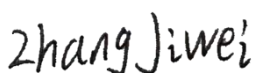


# TEST REPORT

**Applicant:** vivo Mobile Communication Co., Ltd.  
**Address:** No.1, vivo Road, Chang'an, Dongguan, Guangdong, China  
**Equipment Type:** Mobile Phone  
**Model Name:** V2436  
**Brand Name:** vivo  
**FCC ID:** 2AUCY -V2436  
**Test Standard:** FCC 47 CFR Part 2.1093  
(refer section 3.1)  
**Maximum SAR:** Head (1 g@0mm): 0.99 W/kg  
Body-worn (1 g@15mm): 0.79 W/kg  
Hotspot (1 g@10mm): 0.99 W/kg  
Specific (10 g@0mm): 2.84 W/kg  
**Sample Arrival Date:** Dec. 30, 2024  
**Test Date:** Jan. 04, 2025 - Jan. 24, 2025  
**Date of Issue:** May 06, 2025

**ISSUED BY:**

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Zhang Jiwei**Checked by:** Xu Rui**Approved by:** Tolan Tu  
(Testing Director)

Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>May 06, 2025</u>	<u>Initial Issue</u>

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# 1 GENERAL INFORMATION

## 1.1 Test Laboratory

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

## 1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	<input type="checkbox"/> Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	<input checked="" type="checkbox"/> 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.

## 1.3 Test Environment Condition

Ambient Temperature	18°C to 25°C
Ambient Relative Humidity	30% to 70%

## 2 PRODUCT INFORMATION

### 2.1 Applicant Information

Applicant	vivo Mobile Communication Co., Ltd.
Address	No.1, vivo Road, Chang'an, Dongguan, Guangdong, China

### 2.2 Manufacturer Information

Manufacturer	vivo Mobile Communication Co., Ltd.
Address	No.1, vivo Road, Chang'an, Dongguan, Guangdong, China

### 2.3 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	V2436
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	MP_0.1
Software Version	PD2444CF_EX_A_15.0.3.5.W30
Dimensions (Approx.)	165.7*76.3*8.28mm(ink) 165.7*76.3*8.37mm(film)
Weight (Approx.)	207g
EUT ID	/
IMEI Number	/
Note1: EUT ID is used to identify the test sample in the lab internally.	

2.4 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	vivo
	Model No.	BA89
	Serial No.	N/A
	Capacity	Rated capacity: 6360mAh/24.87Wh Typical capacity: 6500mAh/25.42Wh
	Rated Voltage	3.91V
	Limit Charge Voltage	4.50V
	Manufacture	Sunwoda Electronic Co., Ltd.



## 2.5 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network FDD LTE Band 2/4/5/7/12/13/17/18/19/26/66 TDD LTE Band 38/41 LTE CA Uplink (UL): CA_7C, CA_41C, CA_66C, CA_2A-4A, CA_2A-7A, CA_4A-5A, CA_4A-7A, CA_5A-7A, CA_5A-66A, CA_7A-4A 5G Network SA: NR n2/n5/n7/n26/n38/n41/n66/n77/n78 NSA(EN-DC): DC_4A_n2A, DC_66A_n2A, DC_7A_n2A, DC_4A_n38A, DC_66A_n38A, DC_4A_n41A, DC_66A_n41A, DC_7A_n5A, DC_2A_n66A, DC_5A_n66A, DC_7A_n66A, DC_2A_n7A, DC_4A_n7A, DC_5A_n7A, DC_66A_n7A, DC_7A_n77A, DC_2A_n78A, DC_38A_n78A, DC_41A_n78A, DC_4A_n78A, DC_5A_n78A, DC_66A_n78A, DC_7A_n78A Bluetooth (BR+EDR+BLE) WIFI 802.11b, 802.11g, WIFI 802.11a, 802.11n(HT20/40) and 802.11ac(VHT20/40/80) GPS, GLONASS, BDS, Galileo, QZSS, SBAS, NFC
Note: The EUT is a mobile phone, which supports dual SIM card under the same transceiver. Each SIM supports GSM, WCDMA and LTE, and both SIM share the same transmitting electronic circuit, NV parameters, so only SIM1 was tested in this report.	

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

Operating Mode	GSM, WCDMA, LTE, 2.4G WIFI, 5G WIFI, Bluetooth		
Frequency Range	GSM 850	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	GSM 1900	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	WCDMA Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	LTE Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	LTE Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	LTE Band 12	TX: 699 ~ 716 MHz	RX: 729 ~ 746 MHz
	LTE Band 13	TX: 777 ~ 787 MHz	RX: 746 ~ 756 MHz
	LTE Band 17	TX: 704 ~ 716 MHz	RX: 734 ~ 746 MHz
	LTE Band 18	TX: 815 ~ 824 MHz	RX: 860 ~ 869 MHz
		TX: 824 ~ 830 MHz	RX: 869 ~ 875 MHz
	LTE Band 19	TX: 830 ~ 845 MHz	RX: 875 ~ 890 MHz
	LTE Band 26	TX: 814 ~ 824 MHz	RX: 859 ~ 869 MHz
		TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2180 MHz

	LTE Band 38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	LTE Band 41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	NR n2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	NR n5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	NR n7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	NR n26	TX: 814 ~ 824 MHz	RX: 859 ~ 869 MHz
		TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	NR n38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	NR n41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	NR n66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2180 MHz
	NR n77	TX: 3450 ~ 3550MHz	RX: 3450 ~ 3550MHz
		TX: 3700 ~ 3980MHz	RX: 3700~ 3980MHz
	NR n78	TX: 3450 ~ 3550MHz	RX: 3450 ~ 3550MHz
		TX: 3700 ~ 3800MHz	RX: 3700~ 3980MHz
	802.11b/g /n(HT20/HT40)	2412 ~ 2462 MHz	
	VHT20/40	2412 ~ 2462 MHz	
	802.11a/ /n(HT20/HT40) /ac(VHT20/VHT40/ VHT80)	5150 ~ 5250 MHz	
		5250 ~ 5350 MHz	
		5470 ~ 5725 MHz	
		5725 ~ 5850 MHz	
Bluetooth	2402 ~ 2480 MHz		
NFC	13.56 MHz		
Antenna Type	WWAN: PIFA Antenna WIFI: PIFA Antenna Bluetooth: PIFA Antenna NFC: Loop Antenna		
DTM	N/A		
Hotspot Function	Support		
Power Reduction	Support		
Exposure Category	General Population/Uncontrolled exposure		
Product Type	Portable Device		
EUT Type	<input checked="" type="checkbox"/> Production unit	<input type="checkbox"/> Identical prototype	
Note: 1. The device utilizes independent power reduction mechanisms for SAR compliance for the 2/3/4/5G transmitter for held-to-ear exposure conditions. 2. The device utilizes independent power reduction mechanisms for SAR compliance for the 2/3/4/5G transmitter for near to body exposure conditions. 3. The reduction power details please refer section 8.8.			

### 3 SUMMARY OF TEST RESULT

#### 3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 2.1093	Radiofrequency radiation exposure evaluation: portable devices
2	ANSI C95.1-1992	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz
3	IEEE Std. 1528-2013	IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate(SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
4	KDB 447498 D04 v01	447498 D04 Interim General RF Exposure Guidance v01
5	KDB 941225 D01 v03r01	3G SAR MEAUREMENT PROCEDURES
6	KDB 941225 D05 v02r05	SAR Evaluation Considerations for LTE Devices
7	KDB 941225 D05A v01r02	REL. 10 LTE SAR TEST GUIDANCE AND KDB INQUIRIES
8	KDB 941225 D06 v02r01	SAR EVALUATION PROCEDURES FOR PORTABLE DEVICES WITH WIRELESS ROUTER CAPABILITIES
9	KDB 865664 D01 v01r04	SAR Measurement 100 MHz to 6 GHz
10	KDB 865664 D02 v01r02	RF Exposure Reporting
11	KDB 648474 D04 v01r03	SAR EVALUATION CONSIDERATIONS FOR WIRELESS HANDSETS
12	KDB 248227 D01 v02r02	SAR GUIDANCE FOR IEEE 802.11 (Wi-Fi) TRANSMITTERS

Note: Compared with the EUT of test report BL-SZ24C1257-701, the changes of the EUT of this report as below:

1.Add the NTN(Non Terrestrial Network) function of LTE Band 2 by software control.

2.No change in radio parameters has occurred.

Other hardware circuit and software are the same as EUT referred in test report BL-SZ24C1257-701.

Therefore, all test data please refer to report BL-SZ24C1257-701, which was issued by Shenzhen BALUN Technology Co., Ltd. on Jan. 24, 2025.

### 3.2 Device Category and SAR Limit

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

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

Table of Exposure Limits:

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

**NOTE:**

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

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

### 3.3 Test Result Summary

#### 3.3.1 Highest SAR Values

Equipment Class	Band	Maximum Scaled SAR (W/kg)				Maximum Report SAR (W/kg)			
		Head (0mm)	Body-worn (15mm)	Hotspot (10mm)	Specific (0mm)	Head (0mm)	Body-worn (15mm)	Hotspot (10mm)	Specific (0mm)
		1g SAR			10g SAR	1g SAR			10g SAR
PCE	GSM 850	0.61	0.19	0.35	/	0.99	0.79	0.99	2.84
	GSM 1900	0.92	0.27	0.97	/				
	WCDMA Band 2	0.91	0.58	0.99	2.56				
	WCDMA Band 4	0.84	0.19	0.63	1.99				
	WCDMA Band 5	0.90	0.20	0.34	/				
	LTE Band 2	0.99	0.47	0.78	2.84				
	LTE Band 4	0.90	0.38	0.60	2.81				
	LTE Band 5	0.86	0.18	0.30	/				
	LTE Band 7	0.80	0.70	0.63	2.83				
	LTE Band 12	0.67	0.25	0.32	/				
	LTE Band 13	0.85	0.22	0.22	/				
	LTE Band 17	0.66	0.23	0.31	/				
	LTE Band 18	0.66	0.16	0.21	/				
	LTE Band 19	0.73	0.17	0.24	/				
	LTE Band 26	0.87	0.18	0.41	/				
	LTE Band 66	0.96	0.46	0.61	2.78				
	LTE Band 38	0.92	0.79	0.97	2.82				
	LTE Band 41	0.89	0.55	0.57	2.63				
	n2	0.91	0.38	0.78	1.80				
	n5	0.77	0.17	0.23	/				
	n7	0.89	0.79	0.83	2.70				
	n26	0.79	0.19	0.24	/				
	n66	0.95	0.31	0.58	/				
	n38	0.82	0.62	0.82	2.24				
	n41	0.88	0.56	0.99	2.44				
n77	0.91	0.69	0.82	2.23					
n78	0.82	0.60	0.73	2.70					
DTS	2.4G WIFI	0.99	0.19	0.26	2.04				
NII	5.2G WIFI	/	/	0.71	/				
	5.3G WIFI	0.97	0.41	/	1.97				
	5.6G WIFI	0.92	0.57	/	1.78				
	5.8G WIFI	0.99	0.44	0.75	/				
DSS	Bluetooth	0.28	0.03	0.06	0.19				
DXX	NFC	0.01	0.01	0.01	0.01				
Limit (W/kg)		1.6			4.0	1.6			4.0

Verdict	PASS
---------	------

3.3.2 Highest Simultaneous Transmission SAR Values

Equipment Class	Maximum Scaled SAR (W/kg)			
	Head 1g (0mm)	Body-worn 1g (15mm)	Hotspot 1g (10mm)	Specific 10g (0mm)
PCE	1.40	1.39	1.26	3.15
DTS	1.40	0.65	1.30	3.15
NII	1.39	0.65	1.30	3.01
DSS	1.39	0.65	1.30	3.01
Limit (W/Kg)	1.60	1.60	1.60	4.00
Verdict	Pass			
Note: The highest simultaneous SAR please refer section 13.2				

### 3.4 Test Uncertainty

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

The maximum 1 g SAR for the EUT in this report is 0.99 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

The maximum 10 g SAR for the EUT in this report is 2.84 W/kg, which is lower than 3.75 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

## 4 MEASUREMENT SYSTEM

### 4.1 Specific Absorption Rate (SAR) Definition

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

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

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

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

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

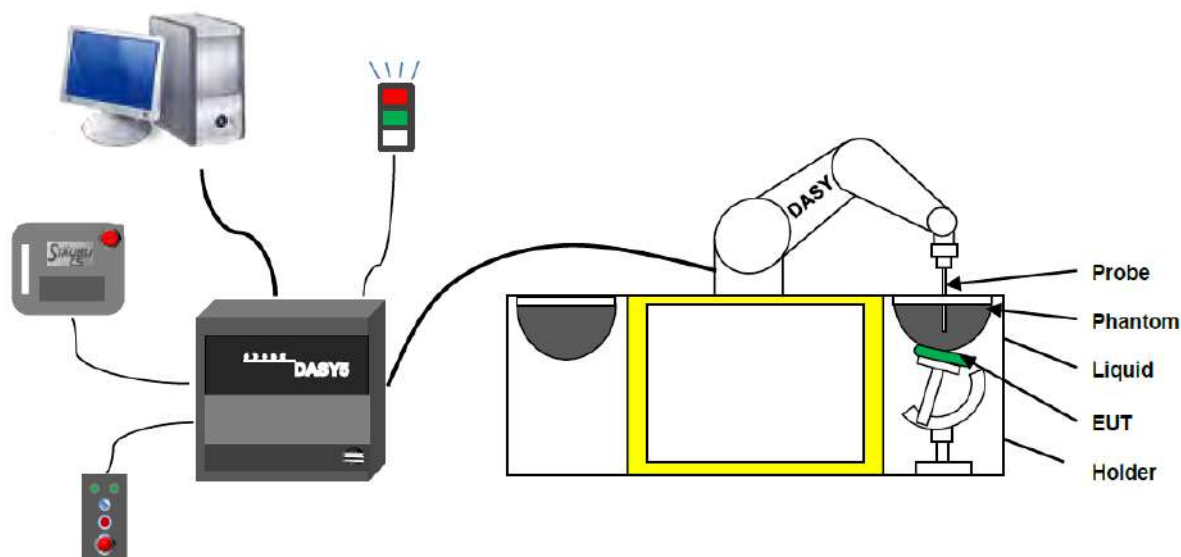
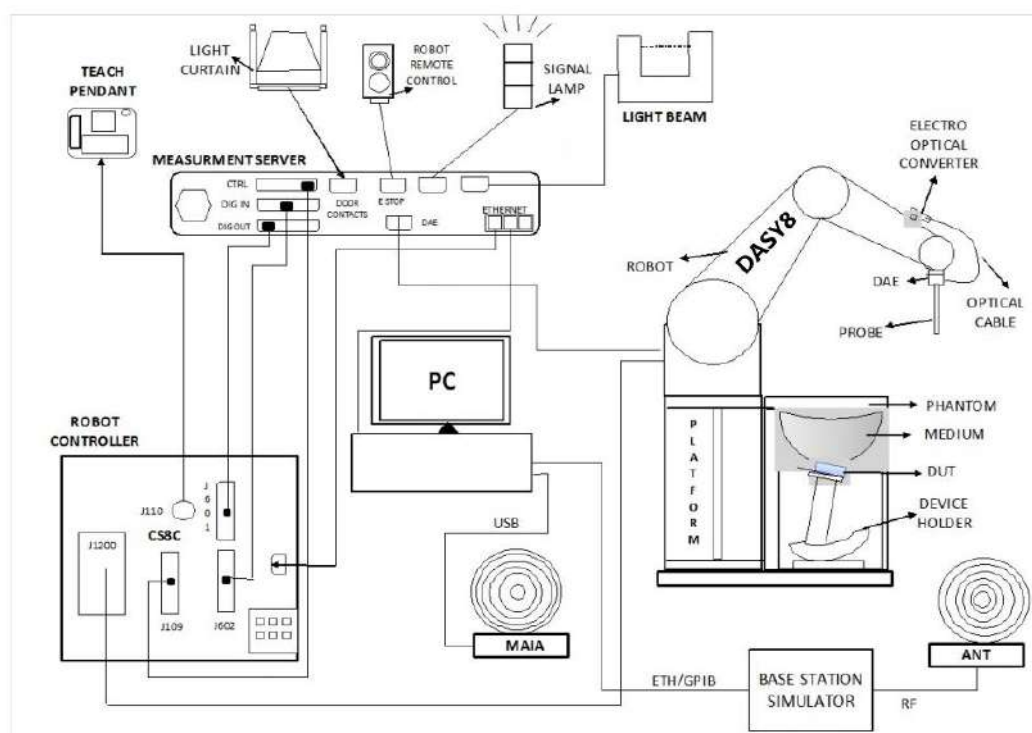
Where:  $\sigma$  is the conductivity of the tissue,

$\rho$  is the mass density of the tissue and  $E$  is the RMS electrical field strength.



## 4.2 DASY SAR System

### 4.2.1 DASY SAR System Diagram



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

1. A standard high precision 6-axis robot (Stäubli RX family) with controller and software. An arm extension for accommodating the data acquisition electronics (DAE).
2. A dosimetric probe, i.e. an isotropic E-field probe optimized and calibrated for usage in tissue simulating liquid. The probe is equipped with an optical surface detector system.
3. A data acquisition electronic (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery

powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.

4. A unit to operate the optical surface detector which is connected to the EOC.
5. The Electro-Optical Coupler (EOC) performs the conversion from the optical into a digital electric signal of the DAE. The EOC is connected to the DASY measurement server.
6. The DASY measurement server, which performs all real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operation.
7. DASY software and SEMCAD data evaluation software.
8. Remote control with teach panel and additional circuitry for robot safety such as warning lamps, etc.
9. The generic twin phantom enabling the testing of left-hand and right-hand usage.
10. The device holder for handheld mobile phones.
11. Tissue simulating liquid mixed according to the given recipes.
12. System validation dipoles allowing to validate the proper functioning of the system.

#### 4.2.2 Robot

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



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

### 4.2.3 E-Field Probe

The probe is specially designed and calibrated for use in liquids with high permittivities for the measurements the Specific Dosimetric E-Field Probe EX3DV4-SN: 3748&7893&7510 with following specifications is used.

Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection system Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	4 MHz to 10 GHz; Linearity: $\pm 0.2$ dB
Directivity	$\pm 0.2$ dB in HSL (rotation around probe axis) ; $\pm 0.4$ dB in HSL (rotation normal to probe axis)
Dynamic range	5 $\mu$ W/g to > 100 mW/g; Linearity: $\pm 0.2$ dB
Dimensions	Overall length: 337 mm (Tip: 9 mm) Tip diameter: 2.5 mm (Body: 10 mm) Distance from probe tip to dipole centers: 1.0 mm
Application	General dosimetry up to 3 GHz Compliance tests of mobile phones Fast automatic scanning in arbitrary phantoms (EX3DV4)

#### E-Field Probe Calibration Process

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

#### 4.2.4 Data Acquisition Electronics

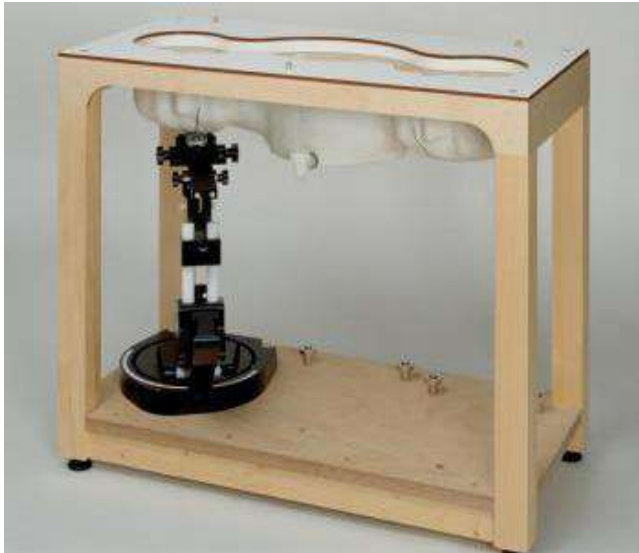
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an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



- Input Impedance: 200M $\Omega$ m
- The Inputs: Symmetrical and Floating
- Commom Mode Rejection: Above 80dB

#### 4.2.5 Phantoms

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



- Left head
- Right head
- Flat phantom

**Photo of Phantom SN1859**



Serial Number	Material	Length	Height
SN 1859 SAM	Vinylester, glass fiber reinforced	1000	500

#### 4.2.6 Device Holder

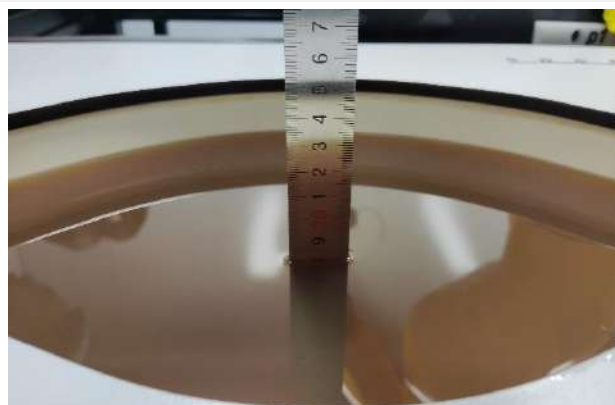
The DASY device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of  $65^\circ$ . The bottom plate contains three pair of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



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

#### 4.2.7 Simulating Liquid

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

**Head Liquid Depth****Body Liquid Depth**

The following table gives the recipes for tissue simulating liquid.

TSL	Manufacturer / Model	Freq Range (MHz)	Main Ingredients
Head WideBand	SPEAG HBBL600-10000V6	600-10000	Ethanediol, Sodium petroleum sulfonate, Hexylene Glycol / 2-Methyl-pentane-2.4-diol, Alkoxylated alcohol



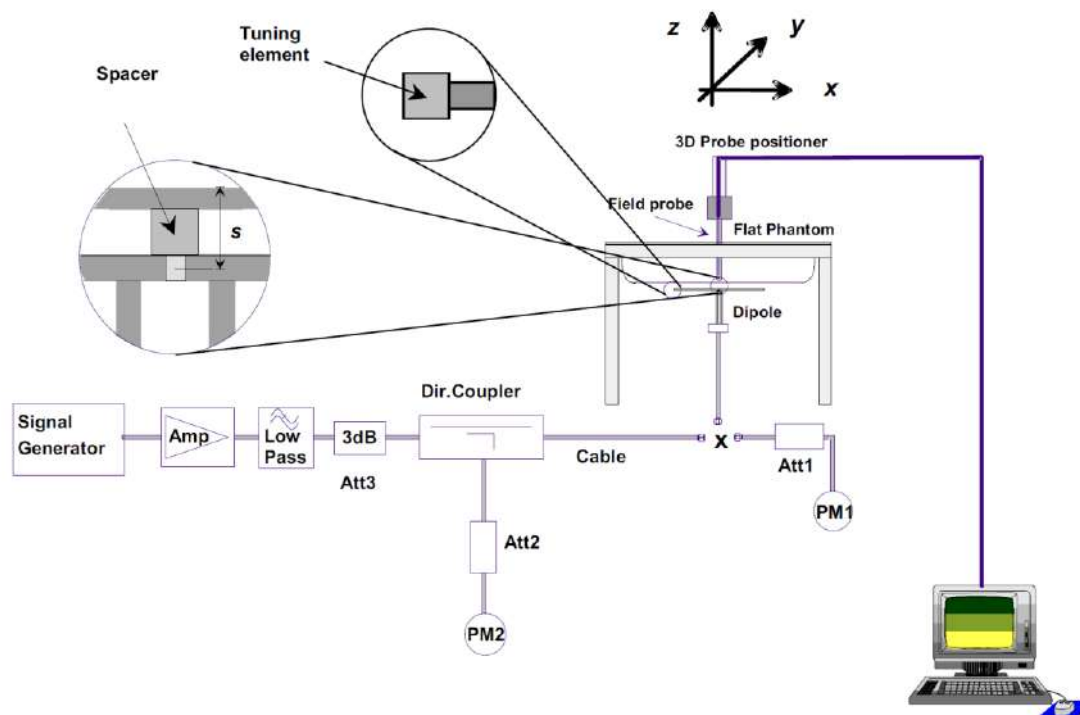
## 5 SYSTEM VERIFICATION

### 5.1 Purpose of System Check

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

### 5.2 System Check Setup

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



## 6 TEST POSITION CONFIGURATIONS

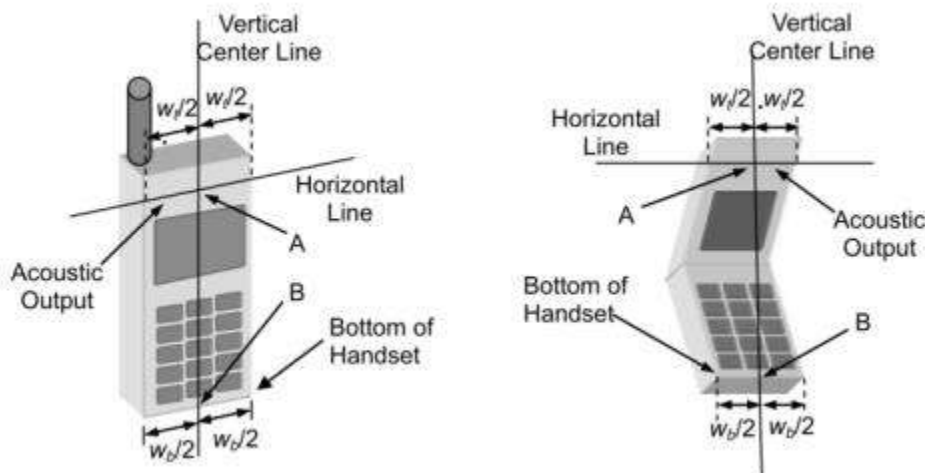
According to KDB 648474 D04 Handset, handsets are tested for SAR compliance in head, body-worn accessory and other use configurations described in the following subsections.

### 6.1 Head Exposure Conditions

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

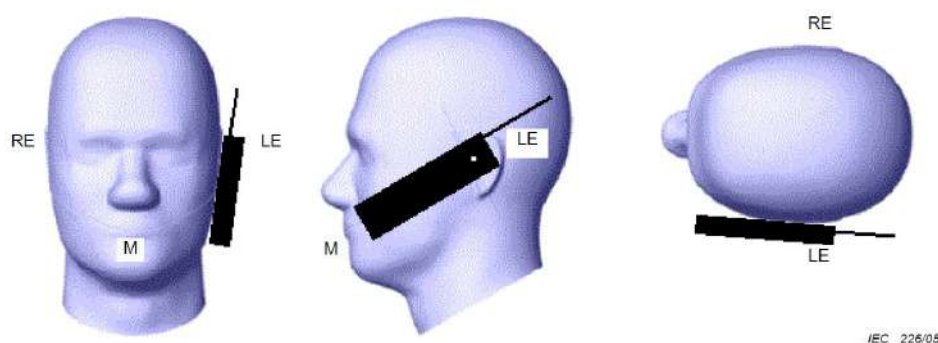
#### 6.1.1 Two Imaginary Lines on the Handset

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



### 6.1.2 Cheek Position

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



### 6.1.3 Tilted Position

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

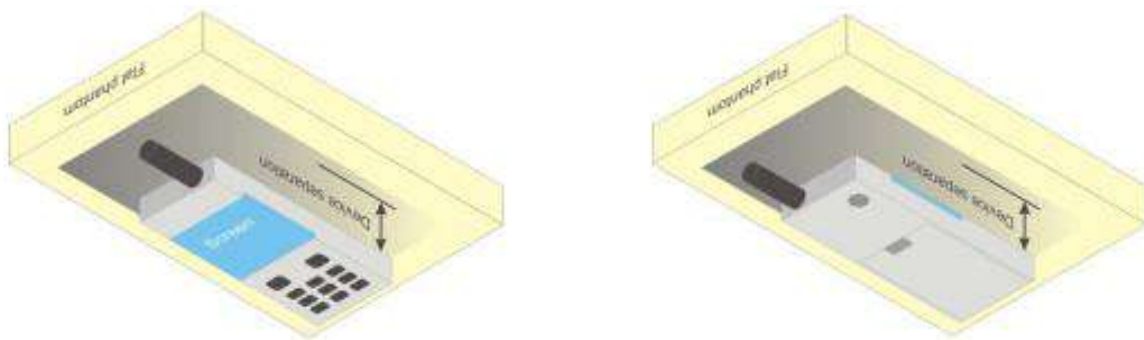


## 6.2 Body-worn Position Conditions

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

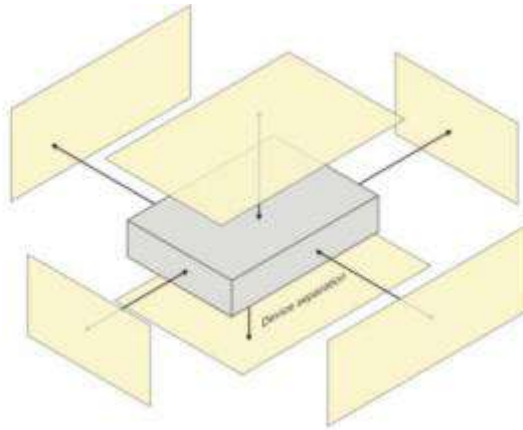
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.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

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



### 6.3 Hotspot Mode Exposure Position Conditions

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



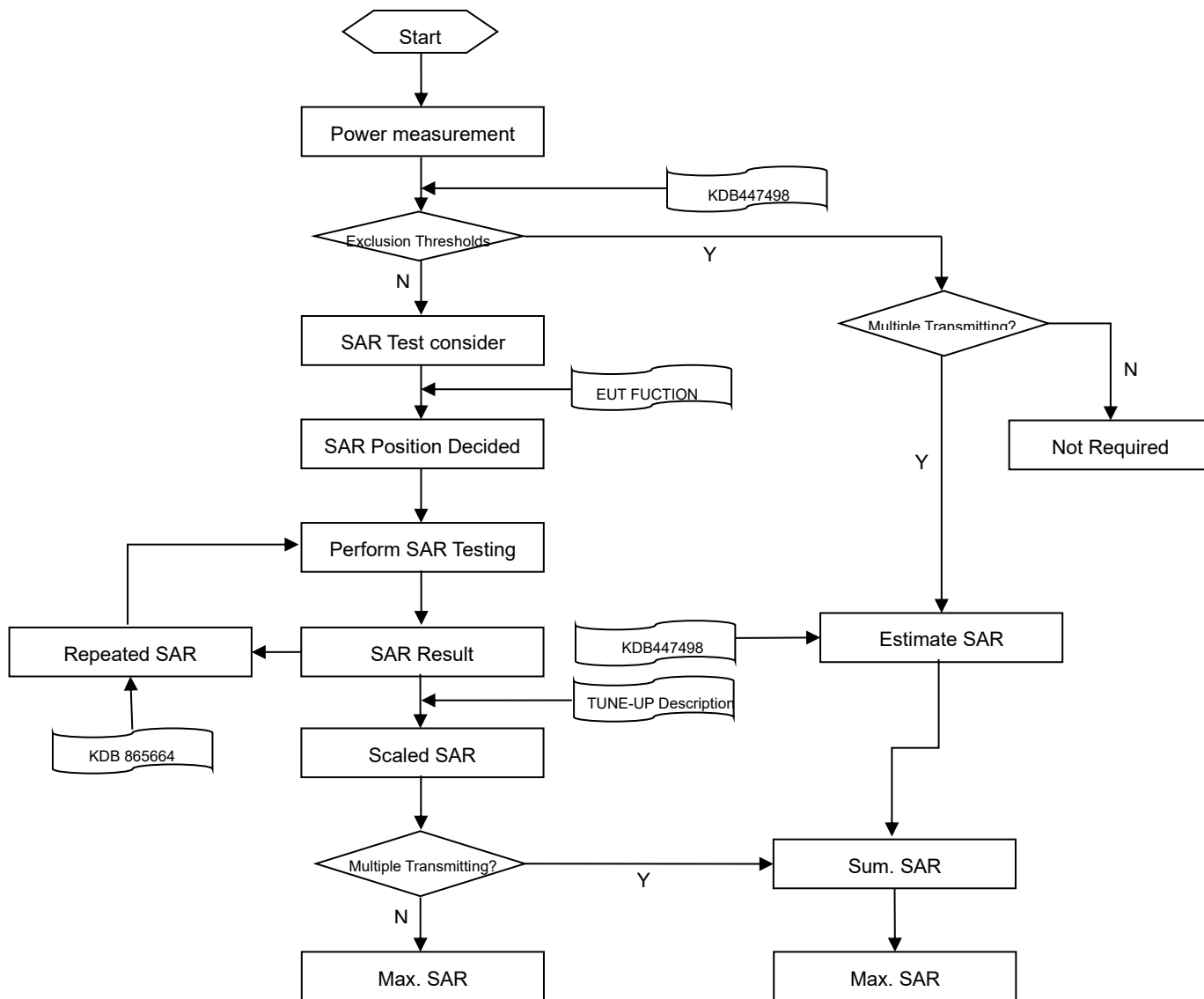
### 6.4 Product Specific 10g Exposure Consideration

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

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

## 7 MEASUREMENT PROCEDURE

### 7.1 Measurement Process Diagram



## 7.2 SAR Scan General Requirement

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

			≤3GHz	>3GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface			5±1 mm	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: Δz Zoom (n)		≤ 5 mm	3–4 GHz: ≤ 4 mm
				4–5 GHz: ≤ 3 mm
				5–6 GHz: ≤ 2 mm
	graded grid	Δz Zoom (1): between 1st two points closest to phantom surface	≤ 4 mm	3–4 GHz: ≤ 3 mm
				4–5 GHz: ≤ 2.5 mm
		Δz Zoom (n>1): between subsequent points	≤ 1.5·Δz Zoom (n-1)	
Minimum zoom scan volume	x, y, z		≥30 mm	3–4 GHz: ≥ 28 mm
				4–5 GHz: ≥ 25 mm
				5–6 GHz: ≥ 22 mm

### Note:

- $\delta$  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  $\leq 1.4$  W/kg,  $\leq 8$  mm,  $\leq 7$  mm and  $\leq 5$  mm zoom scan resolution may be applied, respectively, for 2 GHz to 3GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.

## 7.3 Measurement Procedure

The following steps are used for each test position

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

## 7.4 Area & Zoom Scan Procedure

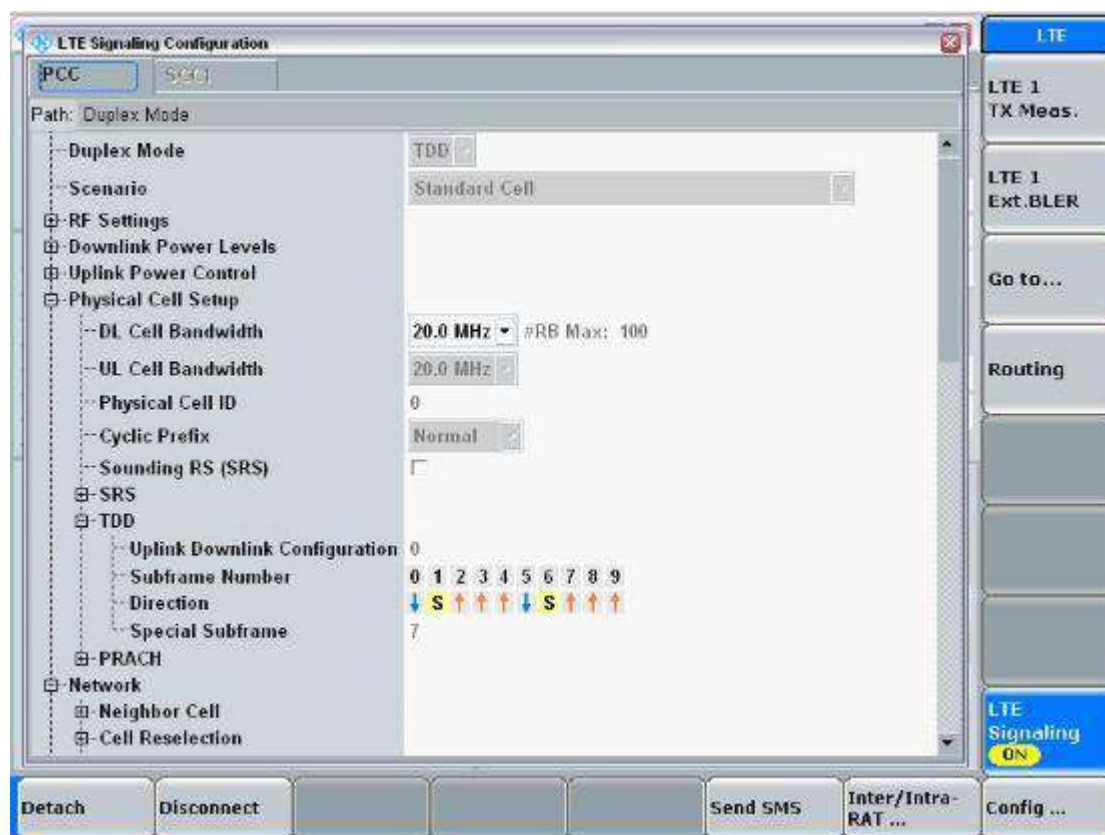
First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan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

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

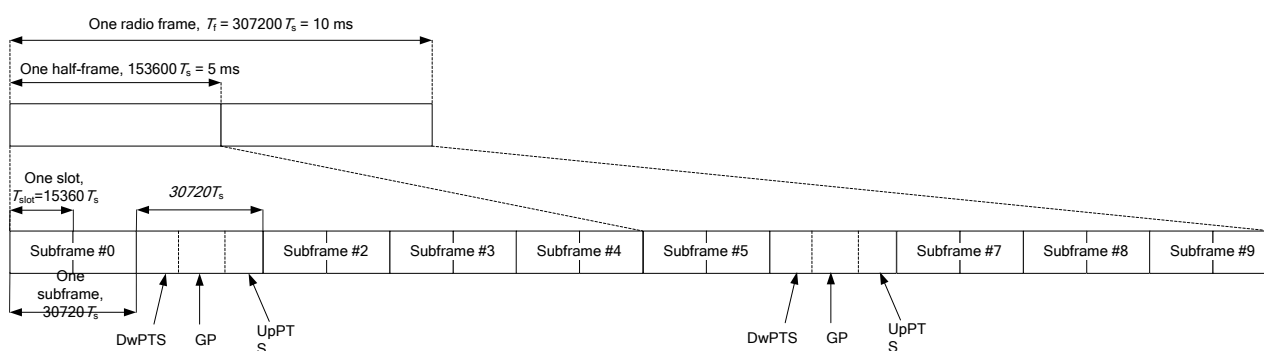


## 7.5 LTE (TDD) Considerations

During TDD-LTE SAR testing, the EUT was commanded to transmit on maximum output power and maximum transmitting bandwidth. The uplink and downlink slot configuration as below in one radio frame.



According to 3GPP Per 3GPP TS 36.211. Each radio frame of length ( $T_f = 307200 \cdot T_s = 10\text{ms}$ ) of two half-frames of length ( $153600 \cdot T_s = 5\text{ms}$ ). Each half-frame consists of five sub-frames of length ( $30720 \cdot T_s = 1\text{ms}$ )



And the special sub-frame with the three fields DwPTS, GP and UpPTS.

The length of DwPTS and UpPTS is given by below table subject to the total length of DwPTS, GP and UpPTS being equal to  $30720 \cdot T_s = 1\text{ms}$ .

### Configuration of special sub-frame (lengths of DwPTS/GP/UpPTS)

Special sub-frame 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	$21592 \cdot T_s$			$23040 \cdot T_s$		
3	$24144 \cdot T_s$			$25600 \cdot T_s$		
4	$26336 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$	$7680 \cdot T_s$	$2560 \cdot T_s$	$5120 \cdot T_s$
5	$6592 \cdot T_s$			$20480 \cdot T_s$		
6	$19760 \cdot T_s$			$23040 \cdot T_s$		
7	$21592 \cdot T_s$			$12800 \cdot T_s$		
8	$24144 \cdot T_s$			-	-	-
9	$13168 \cdot T_s$			-	-	-

For special sub-frame uplink time we used the largest cyclic prefix for duty cycle calculate;

Maximum uplink time of one special sub-frame=(largest cyclic prefix)/(one sub-frame of length)\* time of one sub-frame= $5120 \cdot T_s / 30720 \cdot T_s \cdot 1\text{ms} = 0.167\text{ms}$

One radio frame with 6 uplink sub-frames and two special sub-frame,

there for the maximum Uplink time in one radio frame is:  **$6 \cdot 1\text{ ms} + 2 \cdot 0.167\text{ ms} = 6.334\text{ms}$**

So, the duty cycle for TDD-LTE is:  **$6.334\text{ms} / 10\text{ms} = 1: 1.58$**

## 8 CONDUCTED RF OUPUT POWER

### 8.1 GSM

Please refer the document “BL-SZ2541657-AP Power List.pdf”.

### 8.2 WCDMA

Please refer the document “BL-SZ2541657-AP Power List.pdf”.

### 8.3 LTE

Please refer the document “BL-SZ2541657-AP Power List.pdf”.

### 8.4 Intra-Band Uplink CA Normal Power

Note:

1. This devices supports intra-band uplink CA of 7C/41C/66C.
2. For intra-band uplink carrier aggregation power verification and measurement is selected highest PCC and SCC bandwidth combination to do and was according to 3GPP 36.52101 sectino6.2.2A.1 and section 6.2.2A.2 test procedure.
3. For intra-band uplink CA output power was measured high / middle / low channel combination, and for SAR verification is selected highest output power combination with each exposure condition in each frequency band using the highest SAR configuration test in standalone LTE mode.

Please refer the document “BL-SZ2541657-AP Power List.pdf”.

### 8.5 Downlink CA Normal Power

Note:

1. This devices supports Downlink carrier aggregation (CA).

Please refer the document “BL-SZ2541657-AP Power List.pdf”.

### 8.6 NR 5G

Please refer the document “BL-SZ2541657-AP Power List.pdf”.

## 8.7 WIFI

### 8.7.1 2.4G WIFI-Full power

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4	802.11b	1	2412	18.60	20.00	No
		6	2437	18.54	20.00	No
		11	2462	18.71	20.00	No
	802.11g	1	2412	17.09	19.00	No
		6	2437	17.01	19.00	No
		11	2462	17.13	19.00	No
	802.11n(HT20)	1	2412	16.08	18.00	No
		6	2437	16.05	18.00	No
		11	2462	16.03	18.00	No
	802.11n(HT40)	3	2422	13.30	15.00	No
		6	2437	13.51	15.00	No
		9	2452	14.02	15.00	No
	VHT20	1	2412	16.09	18.00	No
		6	2437	16.04	18.00	No
		11	2462	16.09	18.00	No
	VHT40	3	2422	13.31	15.00	No
		6	2437	13.60	15.00	No
		9	2452	14.03	15.00	No

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11b/g/n/VHT) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n.
- 3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is  $\leq 1.2$  W/kg, OFDM SAR test is not required.

## 8.7.2 2.4G WIFI-Level1

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4	802.11b	1	2412	15.63	17.00	Yes
		6	2437	15.53	17.00	Yes
		11	2462	<b>15.74</b>	17.00	Yes
	802.11g	1	2412	15.19	17.00	No
		6	2437	15.03	17.00	No
		11	2462	15.20	17.00	No
	802.11n(HT20)	1	2412	15.19	17.00	No
		6	2437	15.13	17.00	No
		11	2462	15.08	17.00	No
	802.11n(HT40)	3	2422	13.30	15.00	No
		6	2437	13.51	15.00	No
		9	2452	14.02	15.00	No
	VHT20	1	2412	15.23	17.00	No
		6	2437	15.04	17.00	No
		11	2462	15.25	17.00	No
	VHT40	3	2422	13.31	15.00	No
		6	2437	13.60	15.00	No
		9	2452	14.03	15.00	No

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11b/g/n/VHT) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n.

3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is  $\leq 1.2$  W/kg, OFDM SAR test is not required.

Adjusted SAR =  $0.989 * (50.12\text{mW}/50.12\text{mW}) = 0.989$  W/Kg, so 2.4G OFDM SAR test is not required.

## 8.7.3 2.4G WIFI-Level2

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4	802.11b	1	2412	15.14	16.50	Yes
		6	2437	15.12	16.50	Yes
		11	2462	<b>15.29</b>	16.50	Yes
	802.11g	1	2412	14.71	16.50	No
		6	2437	14.67	16.50	No
		11	2462	14.65	16.50	No
	802.11n(HT20)	1	2412	14.74	16.50	No
		6	2437	14.56	16.50	No
		11	2462	14.60	16.50	No
	802.11n(HT40)	3	2422	13.30	15.00	No
		6	2437	13.51	15.00	No
		9	2452	14.02	15.00	No
	VHT20	1	2412	14.74	16.50	No
		6	2437	14.62	16.50	No
		11	2462	14.75	16.50	No
	VHT40	3	2422	13.31	15.00	No
		6	2437	13.60	15.00	No
		9	2452	14.03	15.00	No

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11b/g/n/VHT) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n.

3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is  $\leq 1.2$  W/kg, OFDM SAR test is not required.

Adjusted SAR =  $0.879 * (44.67\text{mW}/44.67\text{mW}) = 0.879$  W/Kg, so 2.4G OFDM SAR test is not required.

## 8.7.4 2.4G WIFI-Level3

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4	802.11b	1	2412	18.60	20.00	Yes
		6	2437	18.54	20.00	Yes
		11	2462	<b>18.71</b>	20.00	Yes
	802.11g	1	2412	17.09	19.00	No
		6	2437	17.01	19.00	No
		11	2462	17.13	19.00	No
	802.11n(HT20)	1	2412	16.08	18.00	No
		6	2437	16.05	18.00	No
		11	2462	16.03	18.00	No
	802.11n(HT40)	3	2422	13.30	15.00	No
		6	2437	13.51	15.00	No
		9	2452	14.02	15.00	No
	VHT20	1	2412	16.09	18.00	No
		6	2437	16.04	18.00	No
		11	2462	16.09	18.00	No
	VHT40	3	2422	13.31	15.00	No
		6	2437	13.60	15.00	No
		9	2452	14.03	15.00	No

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11b/g/n/VHT) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n.

3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is  $\leq 1.2$  W/kg, OFDM SAR test is not required.

Adjusted SAR =  $0.193 * (79.43\text{mW}/100.00\text{mW}) = 0.153$  W/Kg, so 2.4G OFDM SAR test is not required.

## 8.7.5 2.4G WIFI-Level4

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4	802.11b	1	2412	15.63	17.00	No
		6	2437	15.53	17.00	No
		11	2462	<b>15.74</b>	17.00	Yes
	802.11g	1	2412	15.19	17.00	No
		6	2437	15.03	17.00	No
		11	2462	15.20	17.00	No
	802.11n(HT20)	1	2412	15.19	17.00	No
		6	2437	15.13	17.00	No
		11	2462	15.08	17.00	No
	802.11n(HT40)	3	2422	13.30	15.00	No
		6	2437	13.51	15.00	No
		9	2452	14.02	15.00	No
	VHT20	1	2412	15.23	17.00	No
		6	2437	15.04	17.00	No
		11	2462	15.25	17.00	No
	VHT40	3	2422	13.31	15.00	No
		6	2437	13.60	15.00	No
		9	2452	14.03	15.00	No

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11b/g/n/VHT) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n.
- 3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is  $\leq 1.2$  W/kg, OFDM SAR test is not required.  
Adjusted SAR =  $0.261 * (50.12\text{mW}/50.12\text{mW}) = 0.261$  W/Kg, so 2.4G OFDM SAR test is not required.



## 8.7.6 5G WIFI-Full power

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2	802.11a	36	5180	18.01	20.00	No
		44	5220	18.09	20.00	No
		48	5240	18.09	20.00	No
	802.11n(HT20)	36	5180	17.52	19.50	No
		44	5220	17.57	19.50	No
		48	5240	17.51	19.50	No
	802.11n(HT40)	38	5190	17.20	19.00	No
		46	5230	17.15	19.00	No
	802.11ac(VHT20)	36	5180	17.02	19.00	No
		44	5220	17.06	19.00	No
		48	5240	17.04	19.00	No
	802.11ac(VHT40)	38	5190	16.74	18.50	No
		46	5230	16.69	18.50	No
	802.11ac(VHT80)	42	5210	12.02	14.00	No
5.3	802.11a	52	5260	18.08	20.00	No
		60	5300	18.63	20.00	No
		64	5320	18.45	20.00	No
	802.11n(HT20)	52	5260	17.56	19.50	No
		60	5300	18.15	19.50	No
		64	5320	17.96	19.50	No
	802.11n(HT40)	54	5270	17.15	19.00	No
		62	5310	17.82	19.00	No
	802.11ac(VHT20)	52	5260	17.09	19.00	No
		60	5300	17.62	19.00	No
		64	5320	17.63	19.00	No
	802.11ac(VHT40)	54	5270	16.51	18.50	No
		62	5310	15.07	16.00	No
	802.11ac(VHT80)	58	5290	14.88	16.00	No
5.6	802.11a	100	5500	18.53	20.00	No
		116	5580	18.39	20.00	No
		140	5700	18.45	20.00	No
		144	5720	18.59	20.00	No
	802.11n(HT20)	100	5500	17.03	18.50	No
		116	5580	17.81	19.50	No
		140	5700	17.87	19.50	No
		144	5720	18.06	19.50	No

	802.11n(HT40)	102	5510	16.42	17.50	No
		118	5590	17.62	19.00	No
		134	5670	17.51	19.00	No
		142	5710	17.62	19.00	No
	802.11ac(VHT20)	100	5500	16.57	18.00	No
		116	5580	17.36	19.00	No
		140	5700	17.38	19.00	No
		144	5720	17.61	19.00	No
	802.11ac(VHT40)	102	5510	16.27	17.50	No
		118	5590	17.12	18.50	No
		134	5670	17.03	18.50	No
		142	5710	17.19	18.50	No
	802.11ac(VHT80)	106	5530	13.62	15.00	No
		122	5610	15.59	17.50	No
		138	5690	15.82	17.50	No
5.8	802.11a	149	5745	18.46	20.00	No
		157	5785	18.51	20.00	No
		165	5825	18.02	20.00	No
	802.11n(HT20)	149	5745	17.95	19.50	No
		157	5785	17.98	19.50	No
		165	5825	17.61	19.50	No
	802.11n(HT40)	151	5755	17.61	19.00	No
		159	5795	17.68	19.00	No
	802.11ac(VHT20)	149	5745	17.38	19.00	No
		157	5785	17.52	19.00	No
		165	5825	17.09	19.00	No
	802.11ac(VHT40)	151	5755	17.15	18.50	No
		159	5795	17.25	18.50	No
	802.11ac(VHT80)	155	5775	14.55	16.00	No
<p>Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is <math>\leq 1.2</math> W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.</p>						

## 8.7.7 5G WIFI-Level1

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2	802.11a	36	5180	14.05	16.00	No
		44	5220	14.30	16.00	No
		48	5240	14.17	16.00	No
	802.11n(HT20)	36	5180	14.04	16.00	No
		44	5220	14.11	16.00	No
		48	5240	14.19	16.00	No
	802.11n(HT40)	38	5190	14.35	16.00	No
		46	5230	14.18	16.00	No
	802.11ac(VHT20)	36	5180	14.01	16.00	No
		44	5220	14.30	16.00	No
		48	5240	14.05	16.00	No
	802.11ac(VHT40)	38	5190	14.32	16.00	No
		46	5230	14.30	16.00	No
	802.11ac(VHT80)	42	5210	12.02	14.00	No
5.3	802.11a	52	5260	14.19	16.00	No
		60	5300	14.72	16.00	No
		64	5320	14.64	16.00	No
	802.11n(HT20)	52	5260	14.25	16.00	No
		60	5300	14.85	16.00	No
		64	5320	14.65	16.00	No
	802.11n(HT40)	54	5270	14.30	16.00	No
		62	5310	14.95	16.00	No
	802.11ac(VHT20)	52	5260	14.34	16.00	No
		60	5300	14.71	16.00	No
		64	5320	14.80	16.00	No
	802.11ac(VHT40)	54	5270	14.13	16.00	No
		62	5310	15.07	16.00	No
	802.11ac(VHT80)	58	5290	<b>14.88</b>	16.00	Yes
5.6	802.11a	100	5500	12.61	14.00	No
		116	5580	12.60	14.00	No
		140	5700	12.49	14.00	No
		144	5720	12.10	14.00	No
	802.11n(HT20)	100	5500	12.61	14.00	No
		116	5580	12.37	14.00	No
		140	5700	12.55	14.00	No
		144	5720	12.17	14.00	No

	802.11n(HT40)	102	5510	13.07	14.00	No
		118	5590	12.68	14.00	No
		134	5670	12.61	14.00	No
		142	5710	12.57	14.00	No
	802.11ac(VHT20)	100	5500	12.62	14.00	No
		116	5580	12.36	14.00	No
		140	5700	12.37	14.00	No
		144	5720	12.43	14.00	No
	802.11ac(VHT40)	102	5510	12.75	14.00	No
		118	5590	12.71	14.00	No
		134	5670	12.67	14.00	No
		142	5710	12.52	14.00	No
	802.11ac(VHT80)	106	5530	<b>12.73</b>	14.00	Yes
		122	5610	12.17	14.00	Yes
		138	5690	12.26	14.00	Yes
5.8	802.11a	149	5745	14.03	15.50	No
		157	5785	14.10	15.50	No
		165	5825	13.61	15.50	No
	802.11n(HT20)	149	5745	13.97	15.50	No
		157	5785	14.10	15.50	No
		165	5825	13.82	15.50	No
	802.11n(HT40)	151	5755	14.24	15.50	No
		159	5795	14.43	15.50	No
	802.11ac(VHT20)	149	5745	13.92	15.50	No
		157	5785	14.26	15.50	No
		165	5825	13.73	15.50	No
	802.11ac(VHT40)	151	5755	14.26	15.50	No
		159	5795	14.43	15.50	No
	802.11ac(VHT80)	155	5775	<b>14.21</b>	15.50	Yes
<p>Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is <math>\leq 1.2</math> W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.</p>						

## 8.7.8 5G WIFI-Level2

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2	802.11a	36	5180	11.03	13.00	No
		44	5220	11.25	13.00	No
		48	5240	11.24	13.00	No
	802.11n(HT20)	36	5180	11.19	13.00	No
		44	5220	11.10	13.00	No
		48	5240	11.02	13.00	No
	802.11n(HT40)	38	5190	11.24	13.00	No
		46	5230	11.29	13.00	No
	802.11ac(VHT20)	36	5180	11.00	13.00	No
		44	5220	11.19	13.00	No
		48	5240	11.20	13.00	No
	802.11ac(VHT40)	38	5190	11.37	13.00	No
		46	5230	11.17	13.00	No
	802.11ac(VHT80)	42	5210	11.05	13.00	No
5.3	802.11a	52	5260	11.26	13.00	No
		60	5300	11.79	13.00	No
		64	5320	11.50	13.00	No
	802.11n(HT20)	52	5260	11.05	13.00	No
		60	5300	11.83	13.00	No
		64	5320	11.56	13.00	No
	802.11n(HT40)	54	5270	11.28	13.00	No
		62	5310	11.97	13.00	No
	802.11ac(VHT20)	52	5260	11.12	13.00	No
		60	5300	11.63	13.00	No
		64	5320	11.74	13.00	No
	802.11ac(VHT40)	54	5270	11.19	13.00	No
		62	5310	12.11	13.00	No
	802.11ac(VHT80)	58	5290	<b>11.86</b>	13.00	Yes
5.6	802.11a	100	5500	10.21	11.50	No
		116	5580	9.87	11.50	No
		140	5700	10.05	11.50	No
		144	5720	9.96	11.50	No
	802.11n(HT20)	100	5500	10.01	11.50	No
		116	5580	9.94	11.50	No
		140	5700	9.88	11.50	No
		144	5720	9.84	11.50	No

	802.11n(HT40)	102	5510	10.50	11.50	No
		118	5590	10.10	11.50	No
		134	5670	10.11	11.50	No
		142	5710	10.01	11.50	No
	802.11ac(VHT20)	100	5500	10.25	11.50	No
		116	5580	9.98	11.50	No
		140	5700	10.02	11.50	No
		144	5720	9.95	11.50	No
	802.11ac(VHT40)	102	5510	10.29	11.50	No
		118	5590	10.18	11.50	No
		134	5670	10.03	11.50	No
		142	5710	10.01	11.50	No
	802.11ac(VHT80)	106	5530	<b>10.27</b>	11.50	Yes
		122	5610	9.63	11.50	No
		138	5690	9.71	11.50	No
5.8	802.11a	149	5745	11.04	12.50	No
		157	5785	11.23	12.50	No
		165	5825	10.57	12.50	No
	802.11n(HT20)	149	5745	10.92	12.50	No
		157	5785	10.98	12.50	No
		165	5825	10.82	12.50	No
	802.11n(HT40)	151	5755	11.21	12.50	No
		159	5795	11.21	12.50	No
	802.11ac(VHT20)	149	5745	11.03	12.50	No
		157	5785	11.18	12.50	No
		165	5825	10.60	12.50	No
	802.11ac(VHT40)	151	5755	11.35	12.50	No
		159	5795	11.29	12.50	No
	802.11ac(VHT80)	155	5775	<b>11.67</b>	12.50	Yes
<p>Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is <math>\leq 1.2</math> W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.</p>						

## 8.7.9 5G WIFI-Level3

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2	802.11a	36	5180	17.13	19.00	No
		44	5220	17.07	19.00	No
		48	5240	17.08	19.00	No
	802.11n(HT20)	36	5180	17.06	19.00	No
		44	5220	17.14	19.00	No
		48	5240	17.09	19.00	No
	802.11n(HT40)	38	5190	<b>17.20</b>	19.00	Yes
		46	5230	17.15	19.00	No
	802.11ac(VHT20)	36	5180	17.02	19.00	No
		44	5220	17.06	19.00	No
		48	5240	17.04	19.00	No
	802.11ac(VHT40)	38	5190	16.74	18.50	No
		46	5230	16.69	18.50	No
	802.11ac(VHT80)	42	5210	12.02	14.00	No
5.3	802.11a	52	5260	17.12	19.00	No
		60	5300	17.77	19.00	No
		64	5320	17.46	19.00	No
	802.11n(HT20)	52	5260	17.08	19.00	No
		60	5300	17.77	19.00	No
		64	5320	17.48	19.00	No
	802.11n(HT40)	54	5270	17.15	19.00	No
		62	5310	<b>17.82</b>	19.00	Yes
	802.11ac(VHT20)	52	5260	17.09	19.00	No
		60	5300	17.62	19.00	No
		64	5320	17.63	19.00	No
	802.11ac(VHT40)	54	5270	16.51	18.50	No
		62	5310	15.07	16.00	No
	802.11ac(VHT80)	58	5290	14.88	16.00	No
5.6	802.11a	100	5500	15.59	17.00	No
		116	5580	15.48	17.00	No
		140	5700	15.46	17.00	No
		144	5720	15.41	17.00	No
	802.11n(HT20)	100	5500	15.59	17.00	No
		116	5580	15.41	17.00	No
		140	5700	15.42	17.00	No
		144	5720	15.39	17.00	No

	802.11n(HT40)	102	5510	16.08	17.00	No
		118	5590	15.67	17.00	No
		134	5670	15.49	17.00	No
		142	5710	15.38	17.00	No
	802.11ac(VHT20)	100	5500	15.55	17.00	No
		116	5580	15.44	17.00	No
		140	5700	15.45	17.00	No
		144	5720	15.28	17.00	No
	802.11ac(VHT40)	102	5510	15.76	17.00	No
		118	5590	15.73	17.00	No
		134	5670	15.60	17.00	No
		142	5710	15.51	17.00	No
	802.11ac(VHT80)	106	5530	13.62	15.00	No
		122	5610	<b>15.20</b>	17.00	Yes
		138	5690	15.16	17.00	No
5.8	802.11a	149	5745	16.56	18.00	No
		157	5785	16.60	18.00	No
		165	5825	16.17	18.00	No
	802.11n(HT20)	149	5745	16.56	18.00	No
		157	5785	16.53	18.00	No
		165	5825	16.21	18.00	No
	802.11n(HT40)	151	5755	16.64	18.00	No
		159	5795	<b>16.68</b>	18.00	Yes
	802.11ac(VHT20)	149	5745	16.56	18.00	No
		157	5785	16.66	18.00	No
		165	5825	16.23	18.00	No
	802.11ac(VHT40)	151	5755	16.76	18.00	No
		159	5795	16.75	18.00	No
	802.11ac(VHT80)	155	5775	14.55	16.00	No
<p>Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is <math>\leq 1.2</math> W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.</p>						



## 8.7.10 5G WIFI-Level4

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2	802.11a	36	5180	11.03	13.00	No
		44	5220	11.25	13.00	No
		48	5240	11.24	13.00	No
	802.11n(HT20)	36	5180	11.19	13.00	No
		44	5220	11.10	13.00	No
		48	5240	11.02	13.00	No
	802.11n(HT40)	38	5190	11.24	13.00	No
		46	5230	11.29	13.00	No
	802.11ac(VHT20)	36	5180	11.00	13.00	No
		44	5220	11.19	13.00	No
		48	5240	11.20	13.00	No
	802.11ac(VHT40)	38	5190	11.37	13.00	No
		46	5230	11.17	13.00	No
	802.11ac(VHT80)	42	5210	<b>11.05</b>	13.00	Yes
5.3	802.11a	52	5260	11.26	13.00	No
		60	5300	11.79	13.00	No
		64	5320	11.50	13.00	No
	802.11n(HT20)	52	5260	11.05	13.00	No
		60	5300	11.83	13.00	No
		64	5320	11.56	13.00	No
	802.11n(HT40)	54	5270	11.28	13.00	No
		62	5310	11.97	13.00	No
	802.11ac(VHT20)	52	5260	11.12	13.00	No
		60	5300	11.63	13.00	No
		64	5320	11.74	13.00	No
	802.11ac(VHT40)	54	5270	11.19	13.00	No
		62	5310	12.11	13.00	No
	802.11ac(VHT80)	58	5290	<b>11.86</b>	13.00	Yes
5.6	802.11a	100	5500	11.61	13.00	No
		116	5580	11.48	13.00	No
		140	5700	11.51	13.00	No
		144	5720	11.39	13.00	No
	802.11n(HT20)	100	5500	11.55	13.00	No
		116	5580	11.34	13.00	No
		140	5700	11.39	13.00	No
		144	5720	11.35	13.00	No

	802.11n(HT40)	102	5510	12.09	13.00	No
		118	5590	11.60	13.00	No
		134	5670	11.53	13.00	No
		142	5710	11.51	13.00	No
	802.11ac(VHT20)	100	5500	11.56	13.00	No
		116	5580	11.52	13.00	No
		140	5700	11.48	13.00	No
		144	5720	11.42	13.00	No
	802.11ac(VHT40)	102	5510	11.86	13.00	No
		118	5590	11.80	13.00	No
		134	5670	11.56	13.00	No
		142	5710	11.53	13.00	No
	802.11ac(VHT80)	106	5530	<b>11.76</b>	13.00	Yes
		122	5610	11.14	13.00	No
		138	5690	11.15	13.00	No
5.8	802.11a	149	5745	11.49	13.00	No
		157	5785	11.55	13.00	No
		165	5825	11.00	13.00	No
	802.11n(HT20)	149	5745	11.52	13.00	No
		157	5785	11.64	13.00	No
		165	5825	11.22	13.00	No
	802.11n(HT40)	151	5755	11.61	13.00	No
		159	5795	11.83	13.00	No
	802.11ac(VHT20)	149	5745	11.46	13.00	No
		157	5785	11.54	13.00	No
		165	5825	11.14	13.00	No
	802.11ac(VHT40)	151	5755	11.75	13.00	No
		159	5795	11.78	13.00	No
	802.11ac(VHT80)	155	5775	<b>11.66</b>	13.00	Yes
<p>Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is <math>\leq 1.2</math> W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.</p>						

## 8.8 Bluetooth

Mode	GFSK			$\pi/4$ -DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Conducted Power (dBm)	10.76	<b>11.04</b>	10.59	8.76	9.31	9.14
Tune-Up Limit (dBm)	12.50	12.50	12.50	9.50	9.50	9.50
SAR Test Require	NO	YES	NO	NO	NO	NO
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Conducted Power (dBm)	8.89	9.21	9.13	/	/	/
Tune-Up Limit (dBm)	9.50	9.50	9.50	/	/	/
SAR Test Require	NO	NO	NO	/	/	/
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	1	19	38
Frequency (MHz)	2402	2440	2480	2404	2440	2478
Conducted Power (dBm)	6.51	7.19	7.69	6.55	7.31	7.78
Tune-Up Limit (dBm)	8.50	8.50	8.50	8.50	8.50	8.50
SAR Test Require	NO	NO	NO	NO	NO	NO

Note 1: Since bluetooth BR mode is the maximum output power mode, SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is  $\leq \frac{1}{4}$  dB higher than the primary mode.

Note: The Bluetooth duty cycle is 76.97 % as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation.

### Duty Cycle



## 8.9 Power Reduction List

- 1.This mobile phone device supports the receiver detection mechanism. This device uses the receiver to indicate whether the user is making a call in head.
- 2.When device is making call in head, the power reduction will applied for SAR compliance.
- 3.When there is a voice call (including VOIP), and the audio is actively routed through the headset or speaker, which indicating the body exposure conditions will trigger the body exposure reduced the power.
- 4.When this device used data mode only, and the receiver will not work too, the reduced the power are same as body exposure.
- 5.The device employs proximity sensors that detect the presence of the user's body and Product Specific of the device. When these conditions are detected, Body and Limb reduced power will be active.
- 6.When the proximity sensor invalid, the power is reduced to the corresponding Minimum power scenario.

**WWAN Reduced power level table**

Reduced level	Receiver state	Transmitting conditions	Sensor	Position	Antenna	Power reduced bands
DSI2	On (head scenario)	WWAN Use Only	/	Head	Ant.11	LTE B4/7/66/38/41
						n7/66/38/41/77/78
					Ant.12	n77/78
					Ant.13	GSM850/1900
						WCDMA B2/4/5
						LTE B2/4/5/7/12/13/17/18/19/26/66/38/41
						LTE B2/4/5/7/66/38/41
						n2/5/7/26/66/38/41
					Ant.21	n77/78
					Ant.23	n77/78
					Ant.31	GSM850/1900
						WCDMA B2/4/5
						LTE B2/4/5/7/12/13/17/18/19/26/66/38/41
						LTE B2/4/5/7/66/38/41
						n2/5/7/26/66/38/41
DSI3	On (head scenario)	WWAN + WLAN	/	Head	Ant.11	LTE B4/7/66/38/41
						n7/66/38/41/77/78
					Ant.12	n77/78
					Ant.13	GSM850/1900
						WCDMA B2/4/5
						LTE B2/4/5/7/12/13/17/18/19/26/66/38/41
						LTE B2/4/5/7/66/38/41
						n2/5/7/26/66/38/41
					Ant.21	n77/78
					Ant.23	n77/78
					Ant.31	GSM850/1900
						WCDMA B2/4/5

						LTE B2/4/5/7/12/13/17/18/19/26/66/38/41
						LTE B2/4/5/7/66/38/41
						n2/5/7/26/66/38/41
DSI4	Off (Body scenario)	WWAN Use Only	Off (SensorA) +Off (SensorB)	Front Side;Back Side;Left Edge;Right Edge;Top Edge;Bottom Edge	Ant.11	LTE B4/7/66/38/41
						n7/66/38/41/77/78
					Ant.13	GSM850/1900
						WCDMA B2/4/5
						LTE B2/4/5/7/12/13/17/18/19/26/66/38/41
						LTE B2/4/5/7/66/38/41
			n2/5/7/26/66/38/41			
			Ant.12		n77/78	
					Ant.21	n77/78
					Ant.23	n77/78
					Ant.31	GSM850/1900
						WCDMA B2/4/5
			LTE B2/4/5/7/12/13/17/18/19/26/66/38/41			
			LTE B2/4/5/7/66/38/41			
			n2/5/7/26/66/38/41			
/						
DSI5	Off (Body scenario)	WWAN Use Only	On (SensorA) +On (SensorB)	Front Side;Back Side;Right Edge	Ant.11	LTE B4/7/66/38/41
				n7/66/38/41/77/78		
				Front Side;Back Side;Top Edge	Ant.13	GSM850/1900
						WCDMA B2/4/5
			LTE B2/4/5/7/12/13/17/18/19/26/66/38/41			
			LTE B2/4/5/7/66/38/41			
			n2/5/7/26/66/38/41			
			DSI8	Off (Body scenario)	WWAN + WLAN	On (SensorA) +On (SensorB)
n7/66/38/41/77/78						
Front Side;Back Side;Top Edge	Ant.13	GSM850/1900				
		WCDMA B2/4/5				
		LTE B2/4/5/7/12/13/17/18/19/26/66/38/41				
		LTE B2/4/5/7/66/38/41				
n2/5/7/26/66/38/41						
DSI9	Off (Body scenario)	WWAN + WLAN				On (SensorA) +Off (SensorB)
			n7/66/38/41/77/78			
DSI10	Off (Body scenario)	WWAN + WLAN	Off (SensorA)	Front Side;Back Side;Left Edge;Right Edge;Top Edge;Bottom Edge	Ant.13	GSM850/1900
						WCDMA B2/4/5
						LTE B2/4/5/7/12/13/17/18/19/26/66/38/41
						LTE B2/4/5/7/66/38/41
			/		Ant.12	n2/5/7/26/66/38/41
						n77/78
						n7/66/38/41/77/78

					Ant.21	n77/78
					Ant.23	n77/78
					Ant.31	GSM850/1900
						WCDMA B2/4/5
						LTE B2/4/5/7/12/13/17/18/19/26/66/38/41
						LTE B2/4/5/7/66/38/41
		Hotspot	Front Side;Back Side;Left Edge;Right Edge;Top Edge;Bottom Edge	Ant.11	LTE B4/7/66/38/41	
					n7/66/38/41/77/78	
				Ant.12	n77/78	
					Ant.13	GSM850/1900
				WCDMA B2/4/5		
				LTE B2/4/5/7/12/13/17/18/19/26/66/38/41		
				LTE B2/4/5/7/66/38/41		
				Ant.21	n77/78	
					Ant.23	n77/78
				Ant.31	GSM850/1900	
					WCDMA B2/4/5	
					LTE B2/4/5/7/12/13/17/18/19/26/66/38/41	
					LTE B2/4/5/7/66/38/41	
					n2/5/7/26/66/38/41	

Reduced level	Receiver state	Transmitting	Position	Antenna	Power reduced bands
		conditions			
Level1	On (head scenario)	WLAN Use Only	Head	Ant.22	WIFI 2.4G
					WIFI5.2&5.3G/5.6G/5.8G
Level2	On (head scenario)	WWAN + WLAN	Head	Ant.22	WIFI 2.4G
					WIFI5.2&5.3G/5.6G/5.8G
Level3	Off (Body scenario)	WLAN Use Only	Front Side;Back Side;Left Edge;Right Edge;Top Edge;Bottom Edge	Ant.22	WIFI 2.4G
					WIFI5.2&5.3G/5.6G/5.8G
Level4	Off (Body scenario)	WWAN + WLAN	Front Side;Back Side;Left Edge;Right Edge;Top Edge;Bottom Edge	Ant.22	WIFI 2.4G
					WIFI5.2&5.3G/5.6G/5.8G

Mode	Antenna	WWAN Antenna											
		Full Power	Receiver on		Receiver off								
			Head		Body-Worn			Hotspot	Extremity				
			Standalone	Simultaneous transmission	Standalone	Simultaneous transmission		Simultaneous transmission	Standalone		Simultaneous transmission		
		Off	DSI2	DSI3	DSI4	DSI9	DSI10	DSI10	DSI4	DSI5	DSI8	DSI9	DSI10
GSM 850	Ant.13	33.50	32.50	32.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50
GPRS850 1 Tx Slot	Ant.13	33.50	32.50	32.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50
GPRS850 2 Tx Slots	Ant.13	32.00	29.00	29.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00
GPRS850 3 Tx Slots	Ant.13	29.50	26.50	26.50	29.50	29.50	29.50	29.50	29.50	29.50	29.50	29.50	29.50
GPRS850 4 Tx Slots	Ant.13	28.00	25.00	25.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00
EGPRS850 1 Tx Slot	Ant.13	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00
EGPRS850 2 Tx Slots	Ant.13	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00
EGPRS850 3 Tx Slots	Ant.13	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
EGPRS850 4 Tx Slots	Ant.13	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
GSM 850	Ant.31	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50
GPRS850 1 Tx Slot	Ant.31	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50
GPRS850 2 Tx Slots	Ant.31	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00
GPRS850 3 Tx Slots	Ant.31	29.50	29.50	29.50	29.50	29.50	29.50	29.50	29.50	29.50	29.50	29.50	29.50
GPRS850 4 Tx Slots	Ant.31	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00
EGPRS850 1 Tx Slot	Ant.31	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00
EGPRS850 2 Tx Slots	Ant.31	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00
EGPRS850 3 Tx Slots	Ant.31	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
EGPRS850 4 Tx Slots	Ant.31	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
GSM 1900	Ant.13	30.50	28.00	28.00	30.50	30.00	30.00	30.00	30.50	30.50	30.00	30.00	30.00
GPRS1900 1 Tx Slot	Ant.13	30.50	28.00	28.00	30.50	30.00	30.00	30.00	30.50	30.50	30.00	30.00	30.00
GPRS1900 2 Tx Slots	Ant.13	29.00	25.00	25.00	29.00	27.00	27.00	27.00	29.00	27.50	27.00	27.00	27.00
GPRS1900 3 Tx Slots	Ant.13	26.50	22.50	22.50	26.50	24.50	24.50	24.50	26.50	25.00	24.50	24.50	24.50
GPRS1900 4 Tx Slots	Ant.13	25.00	18.00	18.00	25.00	20.00	20.00	20.00	25.00	20.00	20.00	20.00	20.00
EGPRS1900 1 Tx Slot	Ant.13	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50
EGPRS1900 2 Tx Slots	Ant.13	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
EGPRS1900 3 Tx Slots	Ant.13	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
EGPRS1900 4 Tx Slots	Ant.13	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
GSM 1900	Ant.31	30.50	30.50	30.50	30.50	30.50	30.50	30.50	30.50	30.50	30.50	30.50	30.50
GPRS1900 1 Tx Slot	Ant.31	30.50	30.50	30.50	30.50	30.50	30.50	30.50	30.50	30.50	30.50	30.50	30.50
GPRS1900 2 Tx Slots	Ant.31	29.00	29.00	29.00	29.00	28.50	28.50	28.50	29.00	29.00	28.50	28.50	28.50
GPRS1900 3 Tx Slots	Ant.31	26.50	26.50	26.50	26.50	26.00	26.00	26.00	26.50	26.50	26.00	26.00	26.00
GPRS1900 4 Tx Slots	Ant.31	25.00	25.00	25.00	25.00	21.00	21.00	21.00	25.00	25.00	21.00	21.00	21.00
EGPRS1900 1 Tx Slot	Ant.31	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50
EGPRS1900 2 Tx Slots	Ant.31	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
EGPRS1900 3 Tx Slots	Ant.31	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
EGPRS1900 4 Tx Slots	Ant.31	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00

WCDMA Band2 AMR	Ant.13	25.00	17.00	17.00	25.00	21.00	21.00	21.00	25.00	21.00	21.00	21.00	21.00
WCDMA Band2 RMC	Ant.13	25.00	17.00	17.00	25.00	21.00	21.00	21.00	25.00	21.00	21.00	21.00	21.00
HSDPA Subtest-1	Ant.13	24.00	16.00	16.00	24.00	20.00	20.00	20.00	24.00	20.00	20.00	20.00	20.00
HSDPA Subtest-2	Ant.13	24.00	16.00	16.00	24.00	20.00	20.00	20.00	24.00	20.00	20.00	20.00	20.00
HSDPA Subtest-3	Ant.13	23.50	15.50	15.50	23.50	19.50	19.50	19.50	23.50	19.50	19.50	19.50	19.50
HSDPA Subtest-4	Ant.13	23.50	15.50	15.50	23.50	19.50	19.50	19.50	23.50	19.50	19.50	19.50	19.50
DC-HSDPA Subtest-1	Ant.13	24.00	16.00	16.00	24.00	20.00	20.00	20.00	24.00	20.00	20.00	20.00	20.00
DC-HSDPA Subtest-2	Ant.13	24.00	16.00	16.00	24.00	20.00	20.00	20.00	24.00	20.00	20.00	20.00	20.00
DC-HSDPA Subtest-3	Ant.13	23.50	15.50	15.50	23.50	19.50	19.50	19.50	23.50	19.50	19.50	19.50	19.50
DC-HSDPA Subtest-4	Ant.13	23.50	15.50	15.50	23.50	19.50	19.50	19.50	23.50	19.50	19.50	19.50	19.50
HSUPA Subtest-1	Ant.13	24.00	16.00	16.00	24.00	20.00	20.00	20.00	24.00	20.00	20.00	20.00	20.00
HSUPA Subtest-2	Ant.13	22.00	14.00	14.00	22.00	18.00	18.00	18.00	22.00	18.00	18.00	18.00	18.00
HSUPA Subtest-3	Ant.13	23.00	15.00	15.00	23.00	19.00	19.00	19.00	23.00	19.00	19.00	19.00	19.00
HSUPA Subtest-4	Ant.13	22.00	14.00	14.00	22.00	18.00	18.00	18.00	22.00	18.00	18.00	18.00	18.00
HSUPA Subtest-5	Ant.13	24.00	16.00	16.00	24.00	20.00	20.00	20.00	24.00	20.00	20.00	20.00	20.00
HSPA+(16QAM)	Ant.13	25.00	17.00	17.00	25.00	21.00	21.00	21.00	25.00	21.00	21.00	21.00	21.00
WCDMA Band2 AMR	Ant.31	25.00	25.00	25.00	23.00	21.00	21.00	21.00	23.00	23.00	21.00	21.00	21.00
WCDMA Band2 RMC	Ant.31	25.00	25.00	25.00	23.00	21.00	21.00	21.00	23.00	23.00	21.00	21.00	21.00
HSDPA Subtest-1	Ant.31	24.00	24.00	24.00	22.00	20.00	20.00	20.00	22.00	22.00	20.00	20.00	20.00
HSDPA Subtest-2	Ant.31	24.00	24.00	24.00	22.00	20.00	20.00	20.00	22.00	22.00	20.00	20.00	20.00
HSDPA Subtest-3	Ant.31	23.50	23.50	23.50	21.50	19.50	19.50	19.50	21.50	21.50	19.50	19.50	19.50
HSDPA Subtest-4	Ant.31	23.50	23.50	23.50	21.50	19.50	19.50	19.50	21.50	21.50	19.50	19.50	19.50
DC-HSDPA Subtest-1	Ant.31	24.00	24.00	24.00	22.00	20.00	20.00	20.00	22.00	22.00	20.00	20.00	20.00
DC-HSDPA Subtest-2	Ant.31	24.00	24.00	24.00	22.00	20.00	20.00	20.00	22.00	22.00	20.00	20.00	20.00
DC-HSDPA Subtest-3	Ant.31	23.50	23.50	23.50	21.50	19.50	19.50	19.50	21.50	21.50	19.50	19.50	19.50
DC-HSDPA Subtest-4	Ant.31	23.50	23.50	23.50	21.50	19.50	19.50	19.50	21.50	21.50	19.50	19.50	19.50
HSUPA Subtest-1	Ant.31	24.00	24.00	24.00	22.00	20.00	20.00	20.00	22.00	22.00	20.00	20.00	20.00
HSUPA Subtest-2	Ant.31	22.00	22.00	22.00	20.00	18.00	18.00	18.00	20.00	20.00	18.00	18.00	18.00
HSUPA Subtest-3	Ant.31	23.00	23.00	23.00	21.00	19.00	19.00	19.00	21.00	21.00	19.00	19.00	19.00
HSUPA Subtest-4	Ant.31	22.00	22.00	22.00	20.00	18.00	18.00	18.00	20.00	20.00	18.00	18.00	18.00
HSUPA Subtest-5	Ant.31	24.00	24.00	24.00	22.00	20.00	20.00	20.00	22.00	22.00	20.00	20.00	20.00
HSPA+(16QAM)	Ant.31	25.00	25.00	25.00	23.00	21.00	21.00	21.00	23.00	23.00	21.00	21.00	21.00
WCDMA Band4 AMR	Ant.13	25.00	17.00	17.00	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
WCDMA Band4 RMC	Ant.13	25.00	17.00	17.00	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
HSDPA Subtest-1	Ant.13	24.00	16.00	16.00	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
HSDPA Subtest-2	Ant.13	24.00	16.00	16.00	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
HSDPA Subtest-3	Ant.13	23.50	15.50	15.50	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
HSDPA Subtest-4	Ant.13	23.50	15.50	15.50	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
DC-HSDPA Subtest-1	Ant.13	24.00	16.00	16.00	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
DC-HSDPA Subtest-2	Ant.13	24.00	16.00	16.00	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
DC-HSDPA Subtest-3	Ant.13	23.50	15.50	15.50	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
DC-HSDPA Subtest-4	Ant.13	23.50	15.50	15.50	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
HSUPA Subtest-1	Ant.13	24.00	16.00	16.00	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50



HSUPA Subtest-2	Ant.13	22.00	14.00	14.00	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50
HSUPA Subtest-3	Ant.13	23.00	15.00	15.00	19.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50
HSUPA Subtest-4	Ant.13	22.00	14.00	14.00	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50
HSUPA Subtest-5	Ant.13	24.00	16.00	16.00	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
HSPA+(16QAM)	Ant.13	25.00	17.00	17.00	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
WCDMA Band4 AMR	Ant.31	25.00	25.00	25.00	21.00	20.50	20.50	20.50	21.00	21.00	20.50	20.50	20.50
WCDMA Band4 RMC	Ant.31	25.00	25.00	25.00	21.00	20.50	20.50	20.50	21.00	21.00	20.50	20.50	20.50
HSDPA Subtest-1	Ant.31	24.00	24.00	24.00	20.00	19.50	19.50	19.50	20.00	20.00	19.50	19.50	19.50
HSDPA Subtest-2	Ant.31	24.00	24.00	24.00	20.00	19.50	19.50	19.50	20.00	20.00	19.50	19.50	19.50
HSDPA Subtest-3	Ant.31	23.50	23.50	23.50	19.50	19.00	19.00	19.00	19.50	19.50	19.00	19.00	19.00
HSDPA Subtest-4	Ant.31	23.50	23.50	23.50	19.50	19.00	19.00	19.00	19.50	19.50	19.00	19.00	19.00
DC-HSDPA Subtest-1	Ant.31	24.00	24.00	24.00	20.00	19.50	19.50	19.50	20.00	20.00	19.50	19.50	19.50
DC-HSDPA Subtest-2	Ant.31	24.00	24.00	24.00	20.00	19.50	19.50	19.50	20.00	20.00	19.50	19.50	19.50
DC-HSDPA Subtest-3	Ant.31	23.50	23.50	23.50	19.50	19.00	19.00	19.00	19.50	19.50	19.00	19.00	19.00
DC-HSDPA Subtest-4	Ant.31	23.50	23.50	23.50	19.50	19.00	19.00	19.00	19.50	19.50	19.00	19.00	19.00
HSUPA Subtest-1	Ant.31	24.00	24.00	24.00	20.00	19.50	19.50	19.50	20.00	20.00	19.50	19.50	19.50
HSUPA Subtest-2	Ant.31	22.00	22.00	22.00	18.00	17.50	17.50	17.50	18.00	18.00	17.50	17.50	17.50
HSUPA Subtest-3	Ant.31	23.00	23.00	23.00	19.00	18.50	18.50	18.50	19.00	19.00	18.50	18.50	18.50
HSUPA Subtest-4	Ant.31	22.00	22.00	22.00	18.00	17.50	17.50	17.50	18.00	18.00	17.50	17.50	17.50
HSUPA Subtest-5	Ant.31	24.00	24.00	24.00	20.00	19.50	19.50	19.50	20.00	20.00	19.50	19.50	19.50
HSPA+(16QAM)	Ant.31	25.00	25.00	25.00	21.00	20.50	20.50	20.50	21.00	21.00	20.50	20.50	20.50
WCDMA Band5 AMR	Ant.13	25.00	23.00	23.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
WCDMA Band5 RMC	Ant.13	25.00	23.00	23.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
HSDPA Subtest-1	Ant.13	24.00	22.00	22.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
HSDPA Subtest-2	Ant.13	24.00	22.00	22.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
HSDPA Subtest-3	Ant.13	23.50	21.50	21.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSDPA Subtest-4	Ant.13	23.50	21.50	21.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
DC-HSDPA Subtest-1	Ant.13	24.00	22.00	22.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
DC-HSDPA Subtest-2	Ant.13	24.00	22.00	22.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
DC-HSDPA Subtest-3	Ant.13	23.50	21.50	21.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
DC-HSDPA Subtest-4	Ant.13	23.50	21.50	21.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSUPA Subtest-1	Ant.13	24.00	22.00	22.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
HSUPA Subtest-2	Ant.13	22.00	20.00	20.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
HSUPA Subtest-3	Ant.13	23.00	21.00	21.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
HSUPA Subtest-4	Ant.13	22.00	20.00	20.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
HSUPA Subtest-5	Ant.13	24.00	22.00	22.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
HSPA+(16QAM)	Ant.13	25.00	23.00	23.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
WCDMA Band5 AMR	Ant.31	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
WCDMA Band5 RMC	Ant.31	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
HSDPA Subtest-1	Ant.31	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
HSDPA Subtest-2	Ant.31	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
HSDPA Subtest-3	Ant.31	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSDPA Subtest-4	Ant.31	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50

DC-HSDPA Subtest-1	Ant.31	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
DC-HSDPA Subtest-2	Ant.31	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
DC-HSDPA Subtest-3	Ant.31	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
DC-HSDPA Subtest-4	Ant.31	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSUPA Subtest-1	Ant.31	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
HSUPA Subtest-2	Ant.31	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
HSUPA Subtest-3	Ant.31	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
HSUPA Subtest-4	Ant.31	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
HSUPA Subtest-5	Ant.31	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
HSPA+(16QAM)	Ant.31	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
LTE Band 2	Ant.13	24.50	18.00	18.00	24.50	20.50	20.50	20.50	24.50	21.00	20.50	20.50	20.50
LTE Band 2	Ant.31	24.50	24.50	24.50	23.00	20.50	20.50	20.50	23.00	23.00	20.50	20.50	20.50
LTE Band 4	Ant.13	24.50	17.50	17.50	24.50	21.00	21.00	21.00	24.50	21.50	21.00	21.00	21.00
LTE Band 4	Ant.31	24.50	24.50	24.50	21.50	20.50	20.50	20.50	21.50	21.50	20.50	20.50	20.50
LTE Band 4	Ant.11	24.50	23.50	23.50	24.50	21.50	21.50	21.50	24.50	23.00	21.50	21.50	21.50
LTE Band 5	Ant.13	25.00	23.00	23.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
LTE Band 5	Ant.31	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
LTE Band 7	Ant.13	24.00	13.00	13.00	21.50	14.50	14.50	14.50	21.50	19.00	14.50	14.50	14.50
LTE Band 7	Ant.31	24.00	24.00	24.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
LTE Band 7	Ant.11	24.00	18.00	18.00	24.00	18.00	18.00	18.00	24.00	19.00	18.00	18.00	18.00
LTE Band 12	Ant.13	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
LTE Band 12	Ant.31	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
LTE Band 13	Ant.13	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band 13	Ant.31	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band 17	Ant.13	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
LTE Band 17	Ant.31	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
LTE Band 18	Ant.13	24.50	22.50	22.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band 18	Ant.31	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band 19	Ant.13	24.50	22.50	22.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band 19	Ant.31	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band 26	Ant.13	25.00	23.00	23.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
LTE Band 26	Ant.31	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
LTE Band 66	Ant.13	24.50	17.50	17.50	24.50	21.00	21.00	21.00	24.50	21.50	21.00	21.00	21.00
LTE Band 66	Ant.31	24.50	24.50	24.50	21.50	20.50	20.50	20.50	21.50	21.50	20.50	20.50	20.50
LTE Band 66	Ant.11	24.50	23.50	23.50	24.50	22.50	22.50	22.50	24.50	23.00	22.50	22.50	22.50
LTE Band 38	Ant.13	24.70	16.70	16.70	24.70	18.20	18.20	18.20	24.70	22.20	18.20	18.20	18.20
LTE Band 38	Ant.31	24.70	24.70	24.70	24.70	24.70	24.70	24.70	24.70	24.70	24.70	24.70	24.70
LTE Band 38	Ant.11	24.70	21.20	21.20	24.70	19.70	19.70	19.70	24.70	21.20	19.70	19.70	19.70
LTE Band 41	Ant.13	24.70	16.20	16.20	23.70	17.70	17.70	17.70	23.70	20.20	17.70	17.70	17.70
LTE Band 41	Ant.31	24.70	24.70	24.70	24.70	24.70	24.70	24.70	24.70	24.70	24.70	24.70	24.70
LTE Band 41	Ant.11	24.70	20.70	20.70	24.70	19.70	19.70	19.70	24.70	21.70	19.70	19.70	19.70
n2	Ant.13	24.50	18.00	18.00	24.50	20.50	20.50	20.50	24.50	21.00	20.50	20.50	20.50
n2	Ant.31	24.50	24.50	24.50	23.00	21.50	21.50	21.50	23.00	23.00	21.50	21.50	21.50

n5	Ant.13	25.00	23.00	23.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
n5	Ant.31	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
n7	Ant.13	24.50	13.50	13.50	22.00	14.50	14.50	14.50	22.00	19.00	14.50	14.50	14.50
n7	Ant.31	24.50	24.50	24.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
n7	Ant.11	24.50	18.50	18.50	24.50	18.50	18.50	18.50	24.50	19.50	18.50	18.50	18.50
n26	Ant.13	25.00	23.00	23.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
n26	Ant.31	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
n66	Ant.13	24.50	18.50	18.50	24.50	21.00	21.00	21.00	24.50	21.50	21.00	21.00	21.00
n66	Ant.31	24.50	24.50	24.50	21.50	20.50	20.50	20.50	21.50	21.50	20.50	20.50	20.50
n66	Ant.11	24.50	23.00	23.00	24.50	22.50	22.50	22.50	24.50	23.00	22.50	22.50	22.50
n38	Ant.13	24.50	14.00	14.00	22.00	15.50	15.50	15.50	22.00	19.50	15.50	15.50	15.50
n38	Ant.31	24.50	24.50	24.50	22.50	21.50	21.50	21.50	22.50	22.50	21.50	21.50	21.50
n38	Ant.11	24.50	18.50	18.50	24.50	17.00	17.00	17.00	24.50	19.00	17.00	17.00	17.00
n41	Ant.13	26.00	14.00	14.00	22.00	16.00	16.00	16.00	22.00	19.50	16.00	16.00	16.00
n41	Ant.31	26.00	26.00	26.00	23.00	22.00	22.00	22.00	23.00	23.00	22.00	22.00	22.00
n41	Ant.11	26.00	17.50	17.50	24.00	17.50	17.50	17.50	24.00	19.00	17.50	17.50	17.50
n77	Ant.11	24.50	19.00	19.00	24.50	20.00	20.00	20.00	24.50	20.00	20.00	20.00	20.00
n77	Ant.12	24.50	18.50	18.50	24.50	22.50	22.50	22.50	24.50	22.50	22.50	22.50	22.50
n77	Ant.21	22.50	16.50	16.50	22.50	19.00	19.00	19.00	22.50	22.50	19.00	19.00	19.00
n77	Ant.23	22.50	16.50	16.50	21.50	19.00	19.00	19.00	21.50	21.50	19.00	19.00	19.00
n78	Ant.11	26.50	18.50	18.50	24.00	20.00	20.00	20.00	24.00	20.00	20.00	20.00	20.00
n78	Ant.12	27.00	18.00	18.00	24.50	23.00	23.00	23.00	24.50	23.00	23.00	23.00	23.00
n78	Ant.21	24.00	16.50	16.50	22.50	19.00	19.00	19.00	22.50	22.50	19.00	19.00	19.00
n78	Ant.23	23.50	15.50	15.50	21.00	18.50	18.50	18.50	21.00	21.00	18.50	18.50	18.50

Band/Antenna		N2		N5		N7			N38			N41			N66			N77				N78			
		ANT	ANT	ANT	ANT	ANT	ANT	ANT	ANT	ANT	ANT	ANT	ANT	ANT	ANT	ANT	ANT	ANT	ANT	ANT	ANT	ANT	ANT	ANT	ANT
		13	31	13	31	13	31	11	13	31	11	13	31	11	13	31	11	11	12	21	23	11	12	21	23
LTE B2	ANT13	/	/	/	/	/	/	√	/	/	/	/	/	/	/	/	√	/	/	/	/	√	√	/	/
	ANT31	/	/	/	/	/	/	√	/	/	/	/	/	/	/	/	√	/	/	/	/	√	√	/	/
	ANT11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
LTE B4	ANT13	/	/	/	/	/	/	√	/	/	√	/	/	√	/	/	/	/	/	/	/	√	√	/	/
	ANT31	/	/	/	/	/	/	√	/	/	√	/	/	√	/	/	/	/	/	/	/	√	√	/	/
	ANT11	√	√	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
LTE B5	ANT13	/	/	/	/	/	/	√	/	/	/	/	/	/	/	/	√	/	/	/	/	√	√	/	/
	ANT31	/	/	/	/	/	/	√	/	/	/	/	/	/	/	/	√	/	/	/	/	√	√	/	/
	ANT11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
LTE B7	ANT13	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	√	√	√	/	/	√	√	/	/
	ANT31	/	/	√	/	/	/	/	/	/	/	/	/	/	/	/	√	√	√	/	/	√	√	/	/
	ANT11	√	√	√	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
LTE B38	ANT13	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	√	√	/	/
	ANT31	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	√	√	/	/
	ANT11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

LTE B41	ANT13	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	√	√	/	/
	ANT31	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	√	√	/	/
	ANT11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
LTE B66	ANT13	/	/	/	/	/	/	√	/	/	√	/	/	√	/	/	/	/	/	/	/	/	√	√	/	/
	ANT31	/	/	/	/	/	/	√	/	/	√	/	/	√	/	/	/	/	/	/	/	/	√	√	/	/
	ANT11	√	√	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		

EN-DC Configurations	EN-DC LTE bands	LTE Power								
		Antenna	Full Power (dBm)	Head(Receiver on)		Body(Receiver off)				
				Standalone	Simultaneous transmission	Standalone		Simultaneous transmission		
						DSI4	DSI5	DSI8	DSI9	DSI10
ENDC LTE+N7	LTE Band2	ANT 13#	24.5	15.5	15.5	24.5	18.5	18.0	18.0	18.0
		ANT 31#	24.5	24.5	24.5	23.0	23.0	20.5	20.5	20.5
	LTE Band4	ANT 13#	24.5	15.0	15.0	24.5	19.0	18.5	18.5	18.5
		ANT 31#	24.5	24.5	24.5	21.5	21.5	20.5	20.5	20.5
	LTE Band5	ANT 13#	25.0	20.5	20.5	25.0	25.0	24.0	24.0	24.0
		ANT 31#	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
	LTE Band66	ANT 13#	24.5	15.0	15.0	24.5	19.0	18.5	18.5	18.5
		ANT 31#	24.5	24.5	24.5	21.5	21.5	20.5	20.5	20.5
ENDC LTE+N38	LTE Band4	ANT 13#	24.5	15.0	15.0	24.5	19.0	18.5	18.5	18.5
		ANT 31#	24.5	24.5	24.5	21.5	21.5	20.5	20.5	20.5
	LTE Band66	ANT 13#	24.5	15.0	15.0	24.5	19.0	18.5	18.5	18.5
		ANT 31#	24.5	24.5	24.5	21.5	21.5	20.5	20.5	20.5
ENDC LTE+N41	LTE Band4	ANT 13#	24.5	15.0	15.0	24.5	19.0	18.5	18.5	18.5
		ANT 31#	24.5	24.5	24.5	21.5	21.5	20.5	20.5	20.5
	LTE Band66	ANT 13#	24.5	15.0	15.0	24.5	19.0	18.5	18.5	18.5
		ANT 31#	24.5	24.5	24.5	21.5	21.5	20.5	20.5	20.5
ENDC LTE+N66	LTE Band2	ANT 13#	24.5	15.5	15.5	24.5	18.5	18.0	18.0	18.0
		ANT 31#	24.5	24.5	24.5	23.0	23.0	20.5	20.5	20.5
	LTE Band5	ANT 13#	25.0	20.5	20.5	25.0	25.0	24.0	24.0	24.0
		ANT 31#	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
	LTE Band7	ANT 13#	24.0	10.5	10.5	21.5	16.5	12.0	12.0	12.0
		ANT 31#	24.0	24.0	24.0	22.0	22.0	22.0	22.0	22.0
ENDC LTE+N2	LTE Band4	ANT 11#	24.5	21.0	21.0	24.5	20.5	19.0	19.0	19.0
	LTE Band7	ANT 11#	24.0	16.0	16.0	24.0	16.5	15.5	15.5	15.5
	LTE Band66	ANT 11#	24.5	21.0	21.0	24.5	20.5	20.0	20.0	20.0
	LTE Band4	ANT 11#	24.5	21.0	21.0	24.5	20.5	19.0	19.0	19.0
	LTE Band7	ANT 11#	24.0	16.0	16.0	24.0	16.5	15.5	15.5	15.5
	LTE Band66	ANT 11#	24.5	21.0	21.0	24.5	20.5	20.0	20.0	20.0
ENDC LTE+N5	LTE Band7	ANT 11#	24.0	16.0	16.0	24.0	16.5	15.5	15.5	15.5
		ANT 31#	24.0	24.0	24.0	22.0	22.0	22.0	22.0	22.0
ENDC LTE+N77	LTE Band7	ANT 13#	24.0	10.5	10.5	21.5	16.5	12.0	12.0	12.0

	LTE Band7	ANT 31#	24.0	24.0	24.0	22.0	22.0	22.0	22.0	22.0
		ANT 13#	24.0	10.5	10.5	21.5	16.5	12.0	12.0	12.0
		ANT 31#	24.0	24.0	24.0	22.0	22.0	22.0	22.0	22.0
ENDC LTE+N78	LTE Band2	ANT 13#	24.5	15.5	15.5	24.5	18.5	18.0	18.0	18.0
		ANT 31#	24.5	24.5	24.5	23.0	23.0	20.5	20.5	20.5
	LTE Band4	ANT 13#	24.5	15.0	15.0	24.5	19.0	18.5	18.5	18.5
		ANT 31#	24.5	24.5	24.5	21.5	21.5	20.5	20.5	20.5
	LTE Band5	ANT 13#	25.0	20.5	20.5	25.0	25.0	24.0	24.0	24.0
		ANT 31#	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
	LTE Band7	ANT 13#	24.5	11.0	11.0	21.5	17.0	12.5	12.5	12.5
		ANT 31#	24.5	24.5	24.5	22.5	22.5	22.5	22.5	22.5
	LTE Band66	ANT 13#	24.5	15.0	15.0	24.5	19.0	18.5	18.5	18.5
		ANT 31#	24.5	24.5	24.5	21.5	21.5	20.5	20.5	20.5
	LTE Band38	ANT 13#	24.7	14.2	14.2	24.7	19.7	17.2	17.2	17.2
		ANT 31#	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
	LTE Band41	ANT 13#	24.7	14.7	14.7	23.7	17.7	16.2	16.2	16.2
		ANT 31#	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
	LTE Band2	ANT 13#	24.5	15.5	15.5	24.5	18.5	18.0	18.0	18.0
		ANT 31#	24.5	24.5	24.5	23.0	23.0	20.5	20.5	20.5
	LTE Band4	ANT 13#	24.5	15.0	15.0	24.5	19.0	18.5	18.5	18.5
		ANT 31#	24.5	24.5	24.5	21.5	21.5	20.5	20.5	20.5
	LTE Band5	ANT 13#	25.0	20.5	20.5	25.0	25.0	24.0	24.0	24.0
		ANT 31#	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
	LTE Band7	ANT 13#	24.5	11.0	11.0	21.5	17.0	12.5	12.5	12.5
		ANT 31#	24.5	24.5	24.5	22.5	22.5	22.5	22.5	22.5
	LTE Band66	ANT 13#	24.5	15.0	15.0	24.5	19.0	18.5	18.5	18.5
		ANT 31#	24.5	24.5	24.5	21.5	21.5	20.5	20.5	20.5
	LTE Band38	ANT 13#	24.7	14.2	14.2	24.7	19.7	17.2	17.2	17.2
		ANT 31#	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
	LTE Band41	ANT 13#	24.7	14.7	14.7	23.7	17.7	16.2	16.2	16.2
		ANT 31#	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7

EN-DC NR bands	NR Power								
	Antenna	Full Power (dBm)	Head(Receiver on)		Body(Receiver off)				
			Standalone	Simultaneous transmission	Standalone		Simultaneous transmission		
					DSI4	DSI5	DSI8	DSI9	DSI10
N7	ANT 11#	24.5	16.0	16.0	24.5	17.0	16.0	16.0	16.0
N38	ANT 11#	24.5	16.5	16.5	24.5	16.5	14.5	14.5	14.5
N41	ANT 11#	26.0	15.5	15.5	24.0	16.5	15.0	15.0	15.0
N66	ANT 11#	24.5	20.5	20.5	24.5	20.5	20.0	20.0	20.0
N2	ANT 13#	24.5	15.5	15.5	24.5	18.5	18.0	18.0	18.0
	ANT 31#	24.5	24.5	24.5	23.0	20.5	20.5	20.5	20.5

N5	ANT 13#	25.0	20.5	20.5	25.0	25.0	24.0	24.0	24.0
N77	ANT 11#	24.5	16.5	16.5	24.5	19.5	19.0	19.0	19.0
	ANT 12#	24.5	16.0	16.0	24.5	20.0	20.0	20.0	20.0
N78	ANT 11#	26.5	16.0	16.0	24.0	19.0	18.0	18.0	18.0
	ANT 12#	26.5	16.0	16.0	24.5	20.0	20.0	20.0	20.0

Band/Antenna		LTE B4			LTE B5		LTE B7		
		ANT 13	ANT 31	ANT 11	ANT 13	ANT 31	ANT 13	ANT 31	ANT 11
LTE B2	ANT13	/	/	√	/	/	/	/	√
	ANT31	/	/	√	/	/	/	/	√
	ANT11	/	/	/	/	/	/	/	/
LTE B4	ANT13	/	/	/	/	/	/	/	√
	ANT31	/	/	/	/	/	/	/	√
	ANT11	/	/	/	√	√	√	√	/
LTE B7	ANT13	/	/	/	/	/	/	/	/
	ANT31	/	/	/	/	/	/	/	/
	ANT11	/	/	/	√	√	/	/	/
LTE B66	ANT13	/	/	/	/	/	/	/	/
	ANT31	/	/	/	/	/	/	/	/
	ANT11	/	/	/	√	√	/	/	/

LTE-UL CA Configurations	UL CA bands	UL CA Power								
		Antenna	Full Power (dBm)	Head(Receiver on)		Body(Receiver off)				
				Standalone	Simultaneous transmission	Standalone		Simultaneous transmission		
Intra-Band UL CA	LTE Band7	ANT 13#	24.0	13.0	13.0	21.5	19.0	14.5	14.5	14.5
		ANT 31#	24.0	24.0	24.0	22.0	22.0	22.0	22.0	22.0
		ANT 11#	24.0	18.0	18.0	24.0	19.0	18.0	18.0	18.0
	LTE Band41	ANT 13#	24.7	16.2	16.2	23.7	20.2	17.7	17.7	17.7
		ANT 31#	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
		ANT 11#	24.7	20.7	20.7	24.7	21.7	19.7	19.7	19.7
	LTE Band66	ANT 13#	24.5	17.5	17.5	24.5	21.5	21.0	21.0	21.0
		ANT 31#	24.5	24.5	24.5	21.5	21.5	20.5	20.5	20.5
		ANT 11#	24.5	23.5	23.5	24.5	23.0	22.5	22.5	22.5
Inter-Band UL CA	LTE Band2	ANT 13#	22.5	13.5	13.5	22.5	16.5	16.0	16.0	16.0
		ANT 31#	22.5	22.5	22.5	21.0	21.0	18.5	18.5	18.5
	LTE Band2	ANT 13#	22.5	13.5	13.5	22.5	16.5	16.0	16.0	16.0
		ANT 31#	22.5	22.5	22.5	21.0	21.0	18.5	18.5	18.5
	LTE Band4	ANT 11#	22.5	19.0	19.0	22.5	18.5	17.0	17.0	17.0
	LTE Band4	ANT 13#	22.5	14.0	14.0	22.5	17.0	16.5	16.5	16.5
		ANT 31#	22.5	22.5	22.5	19.5	19.5	18.5	18.5	18.5

	LTE Band5	ANT 13#	23.0	18.5	18.5	23.0	23.0	22.0	22.0	22.0
		ANT 31#	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
	LTE Band5	ANT 13#	23.0	18.5	18.5	23.0	23.0	22.0	22.0	22.0
		ANT 31#	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
	LTE Band7	ANT 13#	22.5	9.0	9.0	21.0	15.0	10.5	10.5	10.5
		ANT 31#	22.5	22.5	22.5	20.5	20.5	20.5	20.5	20.5

UL CA bands	UL CA Power								
	Antenna	Full Power (dBm)	Head(Receiver on)		Body(Receiver off)				
			Standalone	Simultaneous transmission	Standalone		Simultaneous transmission		
			DSI2	DSI3	DSI4	DSI5	DSI8	DSI9	DSI10
LTE B4	ANT 11#	22.5	19.0	19.0	22.5	18.5	17.0	17.0	17.0
LTE B7	ANT 11#	22.5	15.5	15.5	22.5	15.0	14.0	14.0	14.0
LTE B5	ANT 13#	23.0	18.5	18.5	23.0	23.0	22.0	22.0	22.0
	ANT 31#	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
LTE B7	ANT 11#	22.5	15.5	15.5	22.5	15.0	14.0	14.0	14.0
LTE B7	ANT 11#	22.5	15.5	15.5	22.5	15.0	14.0	14.0	14.0
LTE B66	ANT 11#	22.5	18.5	18.5	22.5	18.5	18.0	18.0	18.0
LTE B4	ANT 11#	22.5	19.0	19.0	22.5	18.5	17.0	17.0	17.0

**WLAN Reduced power level table**

Mode	WLAN Antenna								
	Full Power	Receiver on		Receiver off					
		Head		Body-Worn		Hotspot		Extremity	
		Standalone	Simultaneous transmission	Standalone	Simultaneous transmission	Simultaneous transmission		Standalone	Simultaneous transmission
	Off	Level1	Level2	Level3	Level4	Level3	Level4	Level3	Level4
2.4G WLAN 802.11b	20.00	17.00	16.50	20.00	17.00	/	17.00	20.00	17.00
2.4G WLAN 802.11g	19.00	17.00	16.50	19.00	17.00	/	17.00	19.00	17.00
2.4G WLAN 802.11n20	18.00	17.00	16.50	18.00	17.00	/	17.00	18.00	17.00
2.4G WLAN 802.11n40	15.00	15.00	15.00	15.00	15.00	/	15.00	15.00	15.00
2.4G WLAN 802.11VHT20	18.00	17.00	16.50	18.00	17.00	/	17.00	18.00	17.00
2.4G WLAN 802.11VHT40	15.00	15.00	15.00	15.00	15.00	/	15.00	15.00	15.00
5.2G WLAN 802.11a	20.00	16.00	13.00	19.00	13.00	19.00	13.00	19.00	13.00
5.2G WLAN 802.11n20	19.50	16.00	13.00	19.00	13.00	19.00	13.00	19.00	13.00
5.2G WLAN 802.11n40	19.00	16.00	13.00	19.00	13.00	19.00	13.00	19.00	13.00
5.2G WLAN 802.11ac20	19.00	16.00	13.00	19.00	13.00	19.00	13.00	19.00	13.00
5.2G WLAN 802.11ac40	18.50	16.00	13.00	18.50	13.00	18.50	13.00	18.50	13.00
5.2G WLAN 802.11ac80	14.00	14.00	13.00	14.00	13.00	14.00	13.00	14.00	13.00
5.3G WLAN 802.11a	20.00	16.00	13.00	19.00	13.00	/	/	19.00	13.00
5.3G WLAN 802.11n20	19.50	16.00	13.00	19.00	13.00	/	/	19.00	13.00
5.3G WLAN 802.11n40	19.00	16.00	13.00	19.00	13.00	/	/	19.00	13.00
5.3G WLAN 802.11ac20	19.00	16.00	13.00	19.00	13.00	/	/	19.00	13.00
5.3G WLAN 802.11ac40	18.50	16.00	13.00	18.50	13.00	/	/	18.50	13.00
5.3G WLAN 802.11ac80	16.00	16.00	13.00	16.00	13.00	/	/	16.00	13.00
5.6G WLAN 802.11a	20.00	14.00	11.50	17.00	13.00	/	/	17.00	13.00
5.6G WLAN 802.11n20	19.50	14.00	11.50	17.00	13.00	/	/	17.00	13.00
5.6G WLAN 802.11n40	19.00	14.00	11.50	17.00	13.00	/	/	17.00	13.00
5.6G WLAN 802.11ac20	19.00	14.00	11.50	17.00	13.00	/	/	17.00	13.00
5.6G WLAN 802.11ac40	18.50	14.00	11.50	17.00	13.00	/	/	17.00	13.00
5.6G WLAN 802.11ac80	17.50	14.00	11.50	17.00	13.00	/	/	17.00	13.00
5.8G WLAN 802.11a	20.00	15.50	12.50	18.00	13.00	18.00	13.00	18.00	13.00
5.8G WLAN 802.11n20	19.50	15.50	12.50	18.00	13.00	18.00	13.00	18.00	13.00
5.8G WLAN 802.11n40	19.00	15.50	12.50	18.00	13.00	18.00	13.00	18.00	13.00
5.8G WLAN 802.11ac20	19.00	15.50	12.50	18.00	13.00	18.00	13.00	18.00	13.00
5.8G WLAN 802.11ac40	18.50	15.50	12.50	18.00	13.00	18.00	13.00	18.00	13.00
5.8G WLAN 802.11ac80	16.00	15.50	12.50	16.00	13.00	16.00	13.00	16.00	13.00
Bluetooth	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50



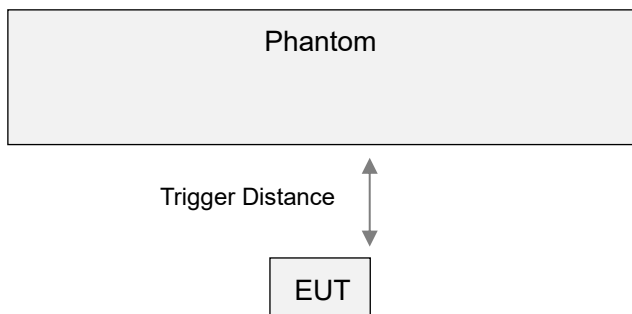
## 9 PROXIMITY SENSOR TRIGGERING TEST

### 9.1 Procedures for determining proximity sensor distance

The device uses one proximity sensors to reduce the maximum output power in selected wireless mode and operating configurations to ensure SAR compliance. The sensor implementation can identify and facilitate triggering different max power levels for different scenarios including the device held by hand(Extremity) and different exposure test positions test positions when the device is closed to a user's body.

Proximity sensor triggering distance testing was performed, EUT moving further away from the phantom and EUT moving toward the phantom were both assessed, and the shortest triggering distances were reported and used for SAR assessment. Note that while sensor is failed and it sets the output power to the lowest one in the sensor trigger state ,to make sure the SAR requirements can still be satisfied.

#### 9.1.1 proximity sensor(A)

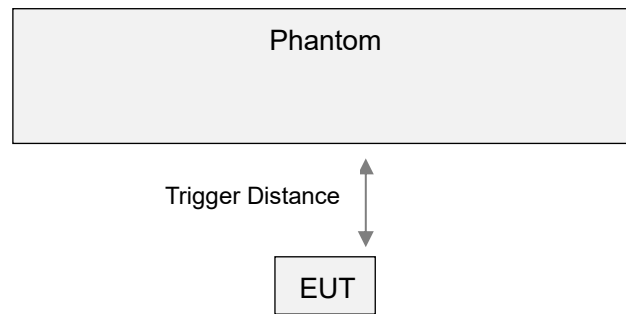


EUT moving toward Phantom

Distance in mm	1~5	6	7	8	9	10	11	12	13	14	15~25
Front Side	On	On	On	On	Off	Off	Off	Off	Off	Off	Off
Back Side	On	On	On	On	On	On	On	On	Off	Off	Off
Top Edge	On	On	On	On	On	On	On	On	On	On	Off

Note: Power reduction is only applicable for ANT13.

## 9.1.2 proximity sensor(B)



EUT moving toward Phantom

Distance in mm	1	2	3	4	5	6~10	11	12	13	14	15~25
Front Side	On	On	On	On	Off	Off	Off	Off	Off	Off	Off
Back Side	On	On	On	On	On	On	On	On	Off	Off	Off
Right Edge	On	On	On	On	On	On	On	On	On	Off	Off

Note: Power reduction is only applicable for ANT11.

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

ANT13 of proximity sensor(A)

EUT Sides	Additional SAR test Distance in mm
Front Side	7
Back Side	11
Top Edge	13

ANT11 of proximity sensor(B)

EUT Sides	Additional SAR test Distance in mm
Front Side	3
Back Side	11
Right Edge	12

## 9.2 Procedures for determining EUT tilt angle influences to proximity sensor triggering

The influence of EUT tilt angles to proximity sensor(A) triggering was determined by positioning each EUT edge that contains a transmitting antenna 13, perpendicular to the flat phantom, at 14 mm separation for the top edge.

The influence of EUT tilt angles to proximity sensor(B) triggering was determined by positioning each EUT edge that contains transmitting antenna 11, perpendicular to the flat phantom, at 13 mm separation for the right edge.

Rotating the EUT around the edge next to the phantom in  $\leq 10^\circ$  increments until the EUT is  $\pm 45^\circ$  from the vertical position at  $0^\circ$ , and the maximum output power remains in the reduced mode.

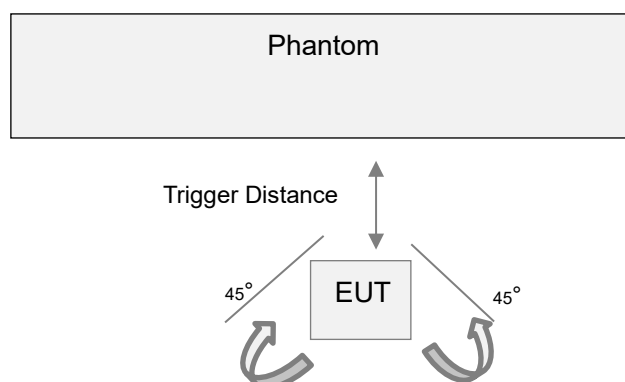
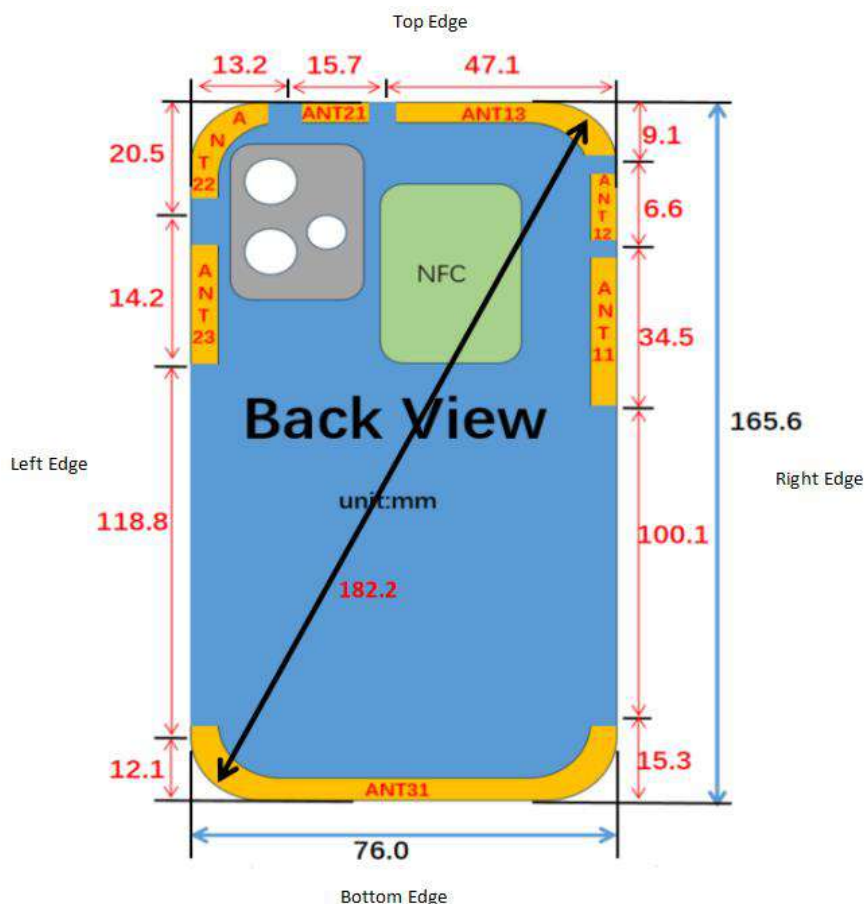


Table: Summary of Phone Tilt Angle Influence to Proximity Sensor Triggering(Top/Right edge)

Antenna	Posltion	Minimum trigger distance at which power reduction was maintained over $\pm 45^\circ$	Power Reduction Status										
			-45°	-35°	-25°	-15°	-5°	0°	5°	15°	25°	35°	45°
ANT13	Top Edge	14mm	on	on	on	on	on	on	on	on	on	on	on
ANT11	Right Edge	13mm	on	on	on	on	on	on	on	on	on	on	on

## 10 TEST EXCLUSION CONSIDERATION



Antenna	Description	Support Bands
Antenna 11	4/5G TX Antenna	LTE Band 4/7/66/38/41 NR n7/66/38/41/77/78
Antenna 12	5G TX Antenna	NR n77/78
Antenna 13	2/3/4/5G TX Antenna	GSM 850/1900 WCDMA Band 2/4/5 LTE Band 2/4/5/7/12/13/17/18/19/26/66/38/41 NR n2/5/7/26/66/38/41
Antenna 21	5G TX Antenna	NR n77/78
Antenna 22	WLAN 2.4G TX Antenna WLAN 5G TX Antenna Bluetooth TX Antenna	2.4G WLAN 5G WLAN Bluetooth
Antenna 23	5G TX Antenna	NR n77/78
Antenna 31	2/3/4/5G TX Antenna	GSM 850/1900 WCDMA Band 2/4/5 LTE Band 2/4/5/7/12/13/17/18/19/26/66/38/41 NR n2/5/7/26/66/38/41

Antenna	Front Side(mm)	Back Side(mm)	Left Edge(mm)	Right Edge(mm)	Top Edge(mm)	Bottom Edge(mm)
Ant.11	<25	<25	>25	<25	<25	>25
Ant.12	<25	<25	>25	<25	<25	>25
Ant.13	<25	<25	>25	<25	<25	>25
Ant.21	<25	<25	<25	>25	<25	>25
Ant.22	<25	<25	<25	>25	<25	>25
Ant.23	<25	<25	<25	>25	<25	>25
Ant.31	<25	<25	<25	<25	>25	<25

Note: 1.Per KDB 941225 D06,When the overall length and width of a device is > 9 cm \*5 cm, a test separation distance of 10 mm is required for hotspot mode SAR measurements and hotspot mode SAR is measured for all edges and surfaces of the device with a transmitting antenna located within 25 mm from that surface or edge.

11 TEST RESULT

11.1 GSM 850

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.13#	DSI2&3	DATA 1slots	Left Cheek	0	251	848.8	-0.14	0.281	31.15	32.50	1.365	0.384	/
	DSI2&3		Left Tilt	0	251	848.8	-0.06	0.268	31.15	32.50	1.365	0.366	/
	DSI2&3		Right Cheek	0	251	848.8	-0.02	0.448	31.15	32.50	1.365	<b>0.612</b>	1#
	DSI2&3		Right Tilt	0	251	848.8	-0.03	0.389	31.15	32.50	1.365	0.531	/
Ant.31#	DSI2&3	DATA 2slots	Left Cheek	0	251	848.8	0.11	0.169	30.35	32.00	1.462	0.247	/
	DSI2&3		Left Tilt	0	251	848.8	-0.02	0.088	30.35	32.00	1.462	0.129	/
	DSI2&3		Right Cheek	0	251	848.8	-0.11	0.133	30.35	32.00	1.462	0.194	/
	DSI2&3		Right Tilt	0	251	848.8	0.10	0.075	30.35	32.00	1.462	0.110	/
Body-worn													
Ant.13#	DSI4&10	DATA	Front Side	15	251	848.8	0.17	0.110	30.25	32.00	1.496	0.165	/
	DSI4&10	2slots	Back Side	15	251	848.8	-0.01	0.117	30.25	32.00	1.496	0.175	/
Ant.31#	DSI4&10	DATA	Front Side	15	251	848.8	0.13	0.089	30.35	32.00	1.462	0.130	/
	DSI4&10	2slots	Back Side	15	251	848.8	-0.12	0.133	30.35	32.00	1.462	<b>0.194</b>	2#
Hotspot													
Ant.13#	DSI10	DATA 2slots	Front Side	10	251	848.8	-0.12	0.138	30.25	32.00	1.496	0.206	/
	DSI10		Back Side	10	251	848.8	-0.14	0.232	30.25	32.00	1.496	<b>0.347</b>	3#
	DSI10		Right Edge	10	251	848.8	-0.07	0.065	30.25	32.00	1.496	0.097	/
	DSI10		Top Edge	10	251	848.8	-0.09	0.223	30.25	32.00	1.496	0.334	/
Ant.31#	DSI10	DATA 2slots	Front Side	10	251	848.8	0.05	0.087	30.35	32.00	1.462	0.127	/
	DSI10		Back Side	10	251	848.8	-0.14	0.213	30.35	32.00	1.462	0.311	/
	DSI10		Left Edge	10	251	848.8	0.07	0.038	30.35	32.00	1.462	0.056	/
	DSI10		Right Edge	10	251	848.8	-0.12	0.078	30.35	32.00	1.462	0.114	/
	DSI10		Bottom Edge	10	251	848.8	-0.10	0.117	30.35	32.00	1.462	0.171	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

## 11.2GSM 1900

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.13#	DSI2&3	DATA 2slots	Left Cheek	0	810	1909.8	-0.01	0.308	23.37	25.00	1.455	0.448	/
	DSI2&3		Left Tilt	0	810	1909.8	0.15	0.383	23.37	25.00	1.455	0.557	/
	DSI2&3		Right Cheek	0	810	1909.8	-0.18	0.537	23.37	25.00	1.455	0.781	/
	DSI2&3		Right Tilt	0	810	1909.8	-0.03	0.629	23.37	25.00	1.455	<b>0.915</b>	4#
	DSI2&3		Right Tilt	0	512	1850.2	0.11	0.462	23.14	25.00	1.535	0.709	/
	DSI2&3		Right Tilt	0	661	1880	0.17	0.553	23.04	25.00	1.570	0.868	/
Ant.31#	DSI2&3	DATA 2slots	Left Cheek	0	512	1850.2	0.02	0.059	27.49	29.00	1.416	0.084	/
	DSI2&3		Left Tilt	0	512	1850.2	0.17	0.032	27.49	29.00	1.416	0.045	/
	DSI2&3		Right Cheek	0	512	1850.2	-0.18	0.048	27.49	29.00	1.416	0.068	/
	DSI2&3		Right Tilt	0	512	1850.2	0.01	0.028	27.49	29.00	1.416	0.040	/
Body-worn													
Ant.13#	DSI4	DATA	Front Side	15	810	1909.8	0.09	0.132	27.30	29.00	1.479	0.195	/
	DSI4	2slots	Back Side	15	810	1909.8	0.17	0.168	27.30	29.00	1.479	0.248	/
Ant.13#	DSI10	DATA	Front Side	15	810	1909.8	-0.17	0.093	25.07	27.00	1.560	0.145	/
	DSI10	2slots	Back Side	15	810	1909.8	0.05	0.106	25.07	27.00	1.560	0.165	/
Ant.31#	DSI4	DATA	Front Side	15	512	1850.2	0.02	0.110	27.49	29.00	1.416	0.156	/
	DSI4	2slots	Back Side	15	512	1850.2	0.08	0.188	27.49	29.00	1.416	<b>0.266</b>	5#
Ant.31#	DSI10	DATA	Front Side	15	512	1850.2	-0.06	0.095	26.96	28.50	1.426	0.135	/
	DSI10	2slots	Back Side	15	512	1850.2	-0.03	0.162	26.96	28.50	1.426	0.231	/
Hotspot													
Ant. 13#	DSI10	DATA 2slots	Front Side	10	810	1909.8	0.09	0.197	25.07	27.00	1.560	0.307	/
	DSI10		Back Side	10	810	1909.8	-0.13	0.133	25.07	27.00	1.560	0.207	/
	DSI10		Right Edge	10	810	1909.8	0.16	0.055	25.07	27.00	1.560	0.086	/
	DSI10		Top Edge	10	810	1909.8	-0.09	0.365	25.07	27.00	1.560	0.569	/
Ant.31#	DSI10	DATA 2slots	Front Side	10	512	1850.2	0.18	0.211	26.96	28.50	1.426	0.301	/
	DSI10		Back Side	10	512	1850.2	0.18	0.373	26.96	28.50	1.426	0.532	/
	DSI10		Left Edge	10	512	1850.2	0.17	0.114	26.96	28.50	1.426	0.163	/
	DSI10		Right Edge	10	512	1850.2	0.02	0.043	26.96	28.50	1.426	0.061	/
	DSI10		Bottom Edge	10	512	1850.2	0.03	0.683	26.96	28.50	1.426	<b>0.974</b>	6#
	DSI10		Bottom Edge	10	661	1880	0.12	0.526	26.59	28.50	1.552	0.816	/
	DSI10		Bottom Edge	10	810	1909.8	-0.03	0.526	26.63	28.50	1.538	0.809	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													



Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	10 g Scaled SAR (W/kg)	Meas. No.
Senor(N-1)													
Ant.13#	DSI4	DATA 2slots	Front Side	7	810	1909.8	0.07	0.194	27.30	29.00	1.479	0.287	/
	DSI4		Back Side	11	810	1909.8	-0.06	0.095	27.30	29.00	1.479	0.141	/
	DSI4		Top Edge	13	810	1909.8	0.15	0.160	27.30	29.00	1.479	0.237	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

## 11.3WCDMA Band 2

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.13#	DSI2&3	RMC	Left Cheek	0	9400	1880	0.17	0.311	15.50	17.00	1.413	0.439	/
	DSI2&3		Left Tilt	0	9400	1880	-0.06	0.394	15.50	17.00	1.413	0.557	/
	DSI2&3		Right Cheek	0	9400	1880	0.15	0.450	15.50	17.00	1.413	0.636	/
	DSI2&3		Right Tilt	0	9400	1880	0.09	0.586	15.50	17.00	1.413	0.828	/
	DSI2&3		Right Tilt	0	9262	1852.4	-0.02	0.513	15.37	17.00	1.455	0.746	/
	DSI2&3		Right Tilt	0	9538	1907.6	-0.02	0.617	15.32	17.00	1.472	0.908	7#
Ant.31#	DSI2&3	RMC	Left Cheek	0	9262	1852.4	0.01	0.131	23.42	25.00	1.439	0.189	/
	DSI2&3		Left Tilt	0	9262	1852.4	0.14	0.063	23.42	25.00	1.439	0.091	/
	DSI2&3		Right Cheek	0	9262	1852.4	0.14	0.094	23.42	25.00	1.439	0.135	/
	DSI2&3		Right Tilt	0	9262	1852.4	0.12	0.074	23.42	25.00	1.439	0.106	/
Body-worn													
Ant.13#	DSI4	RMC	Front Side	15	9538	1907.6	-0.02	0.340	23.31	25.00	1.476	0.502	/
	DSI4		Back Side	15	9538	1907.6	-0.02	0.396	23.31	25.00	1.476	0.584	8#
Ant.13#	DSI10	RMC	Front Side	15	9538	1907.6	0.02	0.110	19.49	21.00	1.416	0.156	/
	DSI10		Back Side	15	9538	1907.6	0.07	0.124	19.49	21.00	1.416	0.176	/
Ant.31#	DSI4	RMC	Front Side	15	9400	1880	0.07	0.131	21.26	23.00	1.493	0.196	/
	DSI4		Back Side	15	9400	1880	0.02	0.282	21.26	23.00	1.493	0.421	/
Ant.31#	DSI10	RMC	Front Side	15	9262	1852.4	-0.15	0.104	20.14	22.00	1.535	0.160	/
	DSI10		Back Side	15	9262	1852.4	0.01	0.224	20.14	22.00	1.535	0.344	/
Hotspot													
Ant.13#	DSI10	RMC	Front Side	10	9538	1907.6	-0.05	0.256	19.49	21.00	1.416	0.362	/
	DSI10		Back Side	10	9538	1907.6	-0.08	0.181	19.49	21.00	1.416	0.256	/
	DSI10		Right Edge	10	9538	1907.6	0.08	0.071	19.49	21.00	1.416	0.101	/
	DSI10		Top Edge	10	9538	1907.6	-0.06	0.614	19.49	21.00	1.416	0.869	/
	DSI10		Top Edge	10	9262	1852.4	-0.17	0.521	19.43	21.00	1.435	0.748	/
	DSI10		Top Edge	10	9400	1880	-0.04	0.504	19.37	21.00	1.455	0.733	/
Ant.31#	DSI10	RMC	Front Side	10	9262	1852.4	-0.10	0.170	19.11	21.00	1.545	0.263	/
	DSI10		Back Side	10	9262	1852.4	-0.09	0.298	19.11	21.00	1.545	0.460	/
	DSI10		Left Edge	10	9262	1852.4	-0.15	0.103	19.11	21.00	1.545	0.159	/
	DSI10		Right Edge	10	9262	1852.4	0.13	0.039	19.11	21.00	1.545	0.060	/
	DSI10		Bottom Edge	10	9262	1852.4	-0.15	0.639	19.11	21.00	1.545	0.987	9#
	DSI10		Bottom Edge	10	9400	1880	0.02	0.562	19.08	21.00	1.556	0.874	/
	DSI10		Bottom Edge	10	9538	1907.6	0.12	0.530	19.01	21.00	1.581	0.838	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific													
Ant.13#	DSI5&8	RMC	Top Edge	0	9538	1907.6	0.05	1.420	19.49	21.00	1.416	2.011	/
	DSI5&8		Top Edge	0	9262	1852.4	0.17	1.520	19.43	21.00	1.435	2.181	/
	DSI5&8		Top Edge	0	9400	1880	-0.11	1.480	19.37	21.00	1.455	2.153	/
Ant.31#	DSI4	RMC	Bottom Edge	0	9400	1880	0.10	1.520	21.26	23.00	1.493	2.269	/
	DSI4		Bottom Edge	0	9262	1852.4	-0.01	1.640	21.07	23.00	1.560	2.558	10#
	DSI4		Bottom Edge	0	9538	1907.6	-0.10	1.580	21.03	23.00	1.574	2.487	/
Ant.31#	DSI10	RMC	Bottom Edge	0	9262	1852.4	0.16	1.030	19.11	21.00	1.545	1.591	/
Senor(N-1)													
Ant.13#	DSI4	RMC	Front Side	7	9538	1907.6	-0.15	0.444	23.31	25.00	1.476	0.655	/
	DSI4		Back Side	11	9538	1907.6	0.01	0.221	23.31	25.00	1.476	0.326	/
	DSI4		Top Edge	13	9538	1907.6	-0.15	0.404	23.31	25.00	1.476	0.596	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

## 11.4WCDMA Band 4

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.13#	DSI2&3	RMC	Left Cheek	0	1312	1712.4	-0.04	0.362	16.03	17.00	1.250	0.453	/
	DSI2&3		Left Tilt	0	1312	1712.4	0.02	0.394	16.03	17.00	1.250	0.493	/
	DSI2&3		Right Cheek	0	1312	1712.4	0.00	0.510	16.03	17.00	1.250	0.638	/
	DSI2&3		Right Tilt	0	1312	1712.4	-0.17	0.643	16.03	17.00	1.250	0.804	/
	DSI2&3		Right Tilt	0	1412	1732.4	-0.08	0.601	15.89	17.00	1.291	0.776	/
	DSI2&3		Right Tilt	0	1513	1752.6	-0.05	0.637	15.80	17.00	1.318	0.840	11#
Ant.31#	DSI2&3	RMC	Left Cheek	0	1312	1712.4	0.08	0.094	24.30	25.00	1.175	0.110	/
	DSI2&3		Left Tilt	0	1312	1712.4	0.18	0.053	24.30	25.00	1.175	0.062	/
	DSI2&3		Right Cheek	0	1312	1712.4	-0.05	0.070	24.30	25.00	1.175	0.082	/
	DSI2&3		Right Tilt	0	1312	1712.4	0.16	0.051	24.30	25.00	1.175	0.060	/
Body-worn													
Ant.13#	DSI4&10	RMC	Front Side	15	1312	1712.4	0.08	0.121	20.58	21.50	1.236	0.150	/
	DSI4&10		Back Side	15	1312	1712.4	0.00	0.131	20.58	21.50	1.236	0.162	/
Ant.31#	DSI4	RMC	Front Side	15	1513	1752.6	0.16	0.098	20.31	21.00	1.172	0.115	/
	DSI4		Back Side	15	1513	1752.6	-0.02	0.162	20.31	21.00	1.172	0.190	12#
Ant.31#	DSI10	RMC	Front Side	15	1513	1752.6	0.08	0.088	19.89	20.50	1.151	0.101	/
	DSI10		Back Side	15	1513	1752.6	-0.17	0.144	19.89	20.50	1.151	0.166	/
Hotspot													
Ant.13#	DSI10	RMC	Front Side	10	1312	1712.4	0.16	0.255	20.58	21.50	1.236	0.315	/
	DSI10		Back Side	10	1312	1712.4	0.01	0.176	20.58	21.50	1.236	0.218	/
	DSI10		Right Edge	10	1312	1712.4	0.07	0.054	20.58	21.50	1.236	0.067	/
	DSI10		Top Edge	10	1312	1712.4	0.00	0.445	20.58	21.50	1.236	0.550	/
Ant.31#	DSI10	RMC	Front Side	10	1513	1752.6	0.07	0.164	19.89	20.50	1.151	0.189	/
	DSI10		Back Side	10	1513	1752.6	0.15	0.283	19.89	20.50	1.151	0.326	/
	DSI10		Left Edge	10	1513	1752.6	-0.11	0.058	19.89	20.50	1.151	0.067	/
	DSI10		Right Edge	10	1513	1752.6	0.00	0.334	19.89	20.50	1.151	0.384	/
	DSI10		Bottom Edge	10	1513	1752.6	-0.01	0.550	19.89	20.50	1.151	0.633	13#
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific													
Ant.13#	DSI5&8	RMC	Top Edge	0	1312	1712.4	-0.17	1.450	20.58	21.50	1.236	1.792	/
Ant.31#	DSI4	RMC	Bottom Edge	0	1513	1752.6	-0.08	1.700	20.31	21.00	1.172	1.992	14#
Ant.31#	DSI10	RMC	Bottom Edge	0	1513	1752.6	0.16	1.480	19.89	20.50	1.151	1.703	/
Senor(N-1)													
Ant.13#	DSI4	RMC	Front Side	7	1312	1712.4	-0.15	0.542	20.58	21.50	1.236	0.670	/
	DSI4		Back Side	11	1312	1712.4	-0.13	0.253	20.58	21.50	1.236	0.313	/
	DSI4		Top Edge	13	1312	1712.4	-0.12	0.362	20.58	21.50	1.236	0.447	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

## 11.5WCDMA Band 5

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.13#	DSI2&3	RMC	Left Cheek	0	4182	836.4	-0.04	0.360	21.93	23.00	1.279	0.460	/
	DSI2&3		Left Tilt	0	4182	836.4	0.14	0.381	21.93	23.00	1.279	0.487	/
	DSI2&3		Right Cheek	0	4182	836.4	0.16	0.631	21.93	23.00	1.279	0.807	/
	DSI2&3		Right Tilt	0	4182	836.4	-0.10	0.550	21.93	23.00	1.279	0.703	/
	DSI2&3		Right Cheek	0	4132	826.4	0.12	0.575	21.87	23.00	1.297	0.746	/
	DSI2&3		Right Cheek	0	4233	846.6	-0.04	0.676	21.78	23.00	1.324	0.895	15#
Ant.31#	DSI2&3	RMC	Left Cheek	0	4233	846.6	0.06	0.172	23.83	25.00	1.309	0.225	/
	DSI2&3		Left Tilt	0	4233	846.6	-0.08	0.094	23.83	25.00	1.309	0.123	/
	DSI2&3		Right Cheek	0	4233	846.6	-0.11	0.134	23.83	25.00	1.309	0.175	/
	DSI2&3		Right Tilt	0	4233	846.6	-0.06	0.076	23.83	25.00	1.309	0.099	/
Body-worn													
Ant.13#	DSI4&10	RMC	Front Side	15	4182	836.4	-0.02	0.117	23.95	25.00	1.274	0.149	/
	DSI4&10		Back Side	15	4182	836.4	-0.01	0.134	23.95	25.00	1.274	0.171	/
Ant.31#	DSI4&10	RMC	Front Side	15	4233	846.6	0.17	0.109	23.83	25.00	1.309	0.143	/
	DSI4&10		Back Side	15	4233	846.6	-0.06	0.154	23.83	25.00	1.309	0.202	16#
Hotspot													
Ant.13#	DSI10	RMC	Front Side	10	4182	836.4	0.08	0.180	23.95	25.00	1.274	0.229	/
	DSI10		Back Side	10	4182	836.4	-0.01	0.143	23.95	25.00	1.274	0.182	/
	DSI10		Right Edge	10	4182	836.4	0.11	0.088	23.95	25.00	1.274	0.112	/
	DSI10		Top Edge	10	4182	836.4	-0.11	0.224	23.95	25.00	1.274	0.285	/
Ant.31#	DSI10	RMC	Front Side	10	4233	846.6	-0.02	0.116	23.83	25.00	1.309	0.152	/
	DSI10		Back Side	10	4233	846.6	-0.02	0.262	23.83	25.00	1.309	0.343	17#
	DSI10		Left Edge	10	4233	846.6	-0.06	0.059	23.83	25.00	1.309	0.077	/
	DSI10		Right Edge	10	4233	846.6	-0.15	0.124	23.83	25.00	1.309	0.162	/
	DSI10		Bottom Edge	10	4233	846.6	-0.06	0.172	23.83	25.00	1.309	0.225	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

## 11.6LTE Band 2 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.13#	DSI2&3	QPSK	Left Cheek	0	19100	1900	1	High	0.14	0.384	16.78	18.00	1.324	0.508	/
	DSI2&3		Left Tilt	0	19100	1900	1	High	-0.09	0.523	16.78	18.00	1.324	0.692	/
	DSI2&3		Right Cheek	0	19100	1900	1	High	0.05	0.598	16.78	18.00	1.324	0.792	/
	DSI2&3		Right Tilt	0	19100	1900	1	High	-0.02	0.751	16.78	18.00	1.324	0.994	18#
	DSI2&3		Left Cheek	0	19100	1900	50	High	0.04	0.369	16.55	18.00	1.396	0.515	/
	DSI2&3		Left Tilt	0	19100	1900	50	High	0.06	0.512	16.55	18.00	1.396	0.715	/
	DSI2&3		Right Cheek	0	19100	1900	50	High	-0.10	0.570	16.55	18.00	1.396	0.796	/
	DSI2&3		Right Tilt	0	19100	1900	50	High	-0.13	0.696	16.55	18.00	1.396	0.972	/
	DSI2&3		Right Tilt	0	18700	1860	1	Mid	-0.12	0.685	16.39	18.00	1.449	0.993	/
	DSI2&3		Right Tilt	0	18900	1880	1	Mid	-0.14	0.711	16.62	18.00	1.374	0.977	/
	DSI2&3		Right Tilt	0	18700	1860	50	High	0.07	0.670	16.43	18.00	1.435	0.961	/
	DSI2&3		Right Tilt	0	18900	1880	50	High	0.17	0.653	16.41	18.00	1.442	0.942	/
	DSI2&3		Right Tilt	0	19100	1900	100	Low	0.07	0.650	16.43	18.00	1.435	0.933	/
	Ant.31#		DSI2&3	QPSK	Left Cheek	0	18700	1860	1	Mid	-0.14	0.123	22.78	24.50	1.486
DSI2&3		Left Tilt	0		18700	1860	1	Mid	-0.17	0.055	22.78	24.50	1.486	0.082	/
DSI2&3		Right Cheek	0		18700	1860	1	Mid	-0.11	0.085	22.78	24.50	1.486	0.126	/
DSI2&3		Right Tilt	0		18700	1860	1	Mid	0.08	0.054	22.78	24.50	1.486	0.080	/
DSI2&3		Left Cheek	0		18700	1860	50	Low	0.09	0.099	21.85	23.50	1.462	0.145	/
DSI2&3		Left Tilt	0		18700	1860	50	Low	0.10	0.045	21.85	23.50	1.462	0.066	/
DSI2&3		Right Cheek	0		18700	1860	50	Low	-0.18	0.068	21.85	23.50	1.462	0.099	/
DSI2&3		Right Tilt	0		18700	1860	50	Low	0.04	0.045	21.85	23.50	1.462	0.066	/
Body-worn															
Ant.13#	DSI4	QPSK	Front Side	15	18900	1880	1	Mid	0.05	0.209	22.91	24.50	1.442	0.301	/
	DSI4		Back Side	15	18900	1880	1	Mid	-0.07	0.155	22.91	24.50	1.442	0.224	/
	DSI4		Front Side	15	18900	1880	50	Mid	-0.16	0.168	21.93	23.50	1.435	0.241	/
	DSI4		Back Side	15	18900	1880	50	Mid	-0.17	0.126	21.93	23.50	1.435	0.181	/
Ant.13#	DSI10	QPSK	Front Side	15	18900	1880	1	Low	-0.15	0.083	18.95	20.50	1.429	0.119	/
	DSI10		Back Side	15	18900	1880	1	Low	-0.13	0.062	18.95	20.50	1.429	0.089	/
	DSI10		Front Side	15	18900	1880	50	High	0.06	0.081	18.89	20.50	1.449	0.117	/
	DSI10		Back Side	15	18900	1880	50	High	-0.04	0.061	18.89	20.50	1.449	0.088	/
Ant.31#	DSI4	QPSK	Front Side	15	18700	1860	1	Low	-0.04	0.171	21.19	23.00	1.517	0.259	/
	DSI4		Back Side	15	18700	1860	1	Low	-0.01	0.309	21.19	23.00	1.517	0.469	19#
	DSI4		Front Side	15	18700	1860	50	Mid	0.17	0.165	21.24	23.00	1.500	0.248	/
	DSI4		Back Side	15	18700	1860	50	Mid	0.04	0.303	21.24	23.00	1.500	0.455	/
Ant.31#	DSI10	QPSK	Front Side	15	18700	1860	1	Mid	0.00	0.077	18.75	20.50	1.496	0.115	/
	DSI10		Back Side	15	18700	1860	1	Mid	-0.03	0.139	18.75	20.50	1.496	0.208	/

	DSI10		Front Side	15	18700	1860	50	Mid	0.12	0.074	18.83	20.50	1.469	0.109	/
	DSI10		Back Side	15	18700	1860	50	Mid	0.16	0.137	18.83	20.50	1.469	0.201	/
Hotspot															
Ant.13#	DSI10	QPSK	Front Side	10	18900	1880	1	Low	0.00	0.182	18.95	20.50	1.429	0.260	/
	DSI10		Back Side	10	18900	1880	1	Low	-0.06	0.136	18.95	20.50	1.429	0.194	/
	DSI10		Right Edge	10	18900	1880	1	Low	-0.05	0.061	18.95	20.50	1.429	0.087	/
	DSI10		Top Edge	10	18900	1880	1	Low	0.13	0.373	18.95	20.50	1.429	0.533	/
	DSI10		Front Side	10	18900	1880	50	High	0.00	0.169	18.89	20.50	1.449	0.245	/
	DSI10		Back Side	10	18900	1880	50	High	-0.17	0.123	18.89	20.50	1.449	0.178	/
	DSI10		Right Edge	10	18900	1880	50	High	-0.04	0.055	18.89	20.50	1.449	0.080	/
	DSI10		Top Edge	10	18900	1880	50	High	0.02	0.344	18.89	20.50	1.449	0.498	/
Ant.31#	DSI10	QPSK	Front Side	10	18700	1860	1	Mid	-0.07	0.150	18.75	20.50	1.496	0.224	/
	DSI10		Back Side	10	18700	1860	1	Mid	0.04	0.273	18.75	20.50	1.496	0.408	/
	DSI10		Left Edge	10	18700	1860	1	Mid	-0.16	0.086	18.75	20.50	1.496	0.129	/
	DSI10		Right Edge	10	18700	1860	1	Mid	0.00	0.025	18.75	20.50	1.496	0.037	/
	DSI10		Bottom Edge	10	18700	1860	1	Mid	-0.04	0.524	18.75	20.50	1.496	0.784	20#
	DSI10		Front Side	10	18700	1860	50	Mid	0.15	0.137	18.83	20.50	1.469	0.201	/
	DSI10		Back Side	10	18700	1860	50	Mid	-0.12	0.243	18.83	20.50	1.469	0.357	/
	DSI10		Left Edge	10	18700	1860	50	Mid	-0.05	0.080	18.83	20.50	1.469	0.118	/
	DSI10		Right Edge	10	18700	1860	50	Mid	0.17	0.022	18.83	20.50	1.469	0.032	/
	DSI10		Bottom Edge	10	18700	1860	50	Mid	0.03	0.362	18.83	20.50	1.469	0.532	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															



Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant.13#	DSI5	QPSK	Top Edge	0	18900	1880	1	Mid	0.02	1.420	19.28	21.00	1.486	2.110	/
	DSI5	QPSK	Top Edge	0	19100	1900	50	High	0.03	1.360	19.37	21.00	1.455	1.979	/
	DSI5	QPSK	Top Edge	0	18700	1860	1	Low	-0.18	1.380	19.24	21.00	1.500	2.070	/
	DSI5	QPSK	Top Edge	0	19100	1900	1	Mid	-0.06	1.310	19.23	21.00	1.503	1.969	/
	DSI5	QPSK	Top Edge	0	18900	1880	100	Low	0.03	1.290	19.32	21.00	1.472	1.899	/
Ant.13#	DSI8	QPSK	Top Edge	0	18900	1880	1	Low	0.03	1.260	18.95	20.50	1.429	1.801	/
	DSI8	QPSK	Top Edge	0	18900	1880	50	High	-0.03	1.230	18.89	20.50	1.449	1.782	/
Ant.31#	DSI4	QPSK	Bottom Edge	0	18700	1860	1	Low	-0.05	1.870	21.19	23.00	1.517	2.837	21#
	DSI4	QPSK	Bottom Edge	0	18700	1860	50	Mid	0.03	1.850	21.24	23.00	1.500	2.775	/
	DSI4	QPSK	Bottom Edge	0	18900	1880	1	Mid	-0.10	1.680	21.09	23.00	1.552	2.607	/
	DSI4	QPSK	Bottom Edge	0	19100	1900	1	Mid	0.10	1.740	21.08	23.00	1.556	2.707	/
	DSI4	QPSK	Bottom Edge	0	18900	1880	50	Mid	-0.04	1.760	21.20	23.00	1.514	2.665	/
	DSI4	QPSK	Bottom Edge	0	19100	1900	50	High	0.03	1.810	21.13	23.00	1.538	2.784	/
	DSI4	QPSK	Bottom Edge	0	18700	1860	100	Low	0.14	1.750	21.22	23.00	1.507	2.637	/
Ant.31#	DSI10	QPSK	Bottom Edge	0	18700	1860	1	Low	0.13	1.120	18.75	20.50	1.496	1.676	/
	DSI10	QPSK	Bottom Edge	0	18700	1860	50	Mid	0.04	1.100	18.83	20.50	1.469	1.616	/
Senor(N-1)															
Ant.13#	DSI4	QPSK	Front Side	7	18900	1880	1	Mid	-0.03	0.350	22.91	24.50	1.442	0.505	/
	DSI4	QPSK	Back Side	11	18900	1880	1	Mid	-0.09	0.173	22.91	24.50	1.442	0.249	/
	DSI4	QPSK	Top Edge	13	18900	1880	1	Mid	0.15	0.292	22.91	24.50	1.442	0.421	/
	DSI4	QPSK	Front Side	7	18900	1880	50	Mid	-0.10	0.276	21.93	23.50	1.435	0.396	/
	DSI4	QPSK	Back Side	11	18900	1880	50	Mid	-0.03	0.135	21.93	23.50	1.435	0.194	/
	DSI4	QPSK	Top Edge	13	18900	1880	50	Mid	-0.12	0.237	21.93	23.50	1.435	0.340	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

## 11.7LTE Band 4 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.13#	DSI2&3	QPSK	Left Cheek	0	20175	1732.5	1	Mid	0.05	0.329	16.02	17.50	1.406	0.463	/
	DSI2&3		Left Tilt	0	20175	1732.5	1	Mid	0.03	0.408	16.02	17.50	1.406	0.574	/
	DSI2&3		Right Cheek	0	20175	1732.5	1	Mid	0.08	0.531	16.02	17.50	1.406	0.747	/
	DSI2&3		Right Tilt	0	20175	1732.5	1	Mid	-0.18	0.593	16.02	17.50	1.406	0.834	/
	DSI2&3		Left Cheek	0	20175	1732.5	50	Mid	-0.15	0.310	16.02	17.50	1.406	0.436	/
	DSI2&3		Left Tilt	0	20175	1732.5	50	Mid	-0.18	0.395	16.02	17.50	1.406	0.555	/
	DSI2&3		Right Cheek	0	20175	1732.5	50	Mid	0.08	0.518	16.02	17.50	1.406	0.728	/
	DSI2&3		Right Tilt	0	20175	1732.5	50	Mid	0.08	0.592	16.02	17.50	1.406	0.832	/
	DSI2&3		Right Tilt	0	20050	1720	1	Low	-0.11	0.574	15.89	17.50	1.449	0.832	/
	DSI2&3		Right Tilt	0	20300	1745	1	Low	-0.07	0.614	15.83	17.50	1.469	0.902	22#
	DSI2&3		Right Tilt	0	20050	1720	50	High	0.12	0.558	15.84	17.50	1.466	0.818	/
	DSI2&3		Right Tilt	0	20300	1745	50	Low	-0.11	0.603	15.88	17.50	1.452	0.876	/
	DSI2&3		Right Tilt	0	20175	1732.5	100	Low	0.02	0.592	16.00	17.50	1.413	0.836	/
Ant.11#	DSI2&3	QPSK	Left Cheek	0	20175	1732.5	1	Low	0.11	0.291	21.89	23.50	1.449	0.422	/
	DSI2&3		Left Tilt	0	20175	1732.5	1	Low	-0.02	0.161	21.89	23.50	1.449	0.233	/
	DSI2&3		Right Cheek	0	20175	1732.5	1	Low	0.03	0.619	21.89	23.50	1.449	0.897	/
	DSI2&3		Right Tilt	0	20175	1732.5	1	Low	0.09	0.143	21.89	23.50	1.449	0.207	/
	DSI2&3		Left Cheek	0	20175	1732.5	50	High	0.03	0.281	21.85	23.50	1.462	0.411	/
	DSI2&3		Left Tilt	0	20175	1732.5	50	High	0.00	0.153	21.85	23.50	1.462	0.224	/
	DSI2&3		Right Cheek	0	20175	1732.5	50	High	0.13	0.602	21.85	23.50	1.462	0.880	/
	DSI2&3		Right Tilt	0	20175	1732.5	50	High	0.16	0.136	21.85	23.50	1.462	0.199	/
	DSI2&3		Right Cheek	0	20050	1720	1	Low	0.01	0.579	21.81	23.50	1.476	0.855	/
	DSI2&3		Right Cheek	0	20300	1745	1	High	0.04	0.575	21.71	23.50	1.510	0.868	/
	DSI2&3		Right Cheek	0	20175	1732.5	100	Low	-0.05	0.568	21.82	23.50	1.472	0.836	/
	Ant.31#		DSI2&3	QPSK	Left Cheek	0	20050	1720	1	Low	-0.10	0.084	23.18	24.50	1.355
DSI2&3		Left Tilt	0		20050	1720	1	Low	0.15	0.045	23.18	24.50	1.355	0.061	/
DSI2&3		Right Cheek	0		20050	1720	1	Low	-0.03	0.052	23.18	24.50	1.355	0.070	/
DSI2&3		Right Tilt	0		20050	1720	1	Low	0.00	0.049	23.18	24.50	1.355	0.066	/
DSI2&3		Left Cheek	0		20050	1720	50	Mid	0.05	0.068	22.21	23.50	1.346	0.092	/
DSI2&3		Left Tilt	0		20050	1720	50	Mid	-0.08	0.038	22.21	23.50	1.346	0.051	/
DSI2&3		Right Cheek	0		20050	1720	50	Mid	-0.09	0.044	22.21	23.50	1.346	0.059	/
DSI2&3		Right Tilt	0		20050	1720	50	Mid	-0.07	0.036	22.21	23.50	1.346	0.048	/
Body-worn															
Ant.13#	DSI4	QPSK	Front Side	15	20300	1745	1	High	-0.06	0.273	23.04	24.50	1.400	0.382	23#
	DSI4		Back Side	15	20300	1745	1	High	0.13	0.180	23.04	24.50	1.400	0.252	/
	DSI4		Front Side	15	20300	1745	50	Mid	-0.18	0.220	22.07	23.50	1.390	0.306	/

	DSI4		Back Side	15	20300	1745	50	Mid	-0.11	0.147	22.07	23.50	1.390	0.204	/
Ant.13#	DSI10	QPSK	Front Side	15	20300	1745	1	High	0.16	0.121	19.45	21.00	1.429	0.173	/
	DSI10		Back Side	15	20300	1745	1	High	0.18	0.080	19.45	21.00	1.429	0.114	/
	DSI10		Front Side	15	20300	1745	50	High	-0.18	0.118	19.54	21.00	1.400	0.165	/
	DSI10		Back Side	15	20300	1745	50	High	0.08	0.079	19.54	21.00	1.400	0.111	/
Ant.11#	DSI4	QPSK	Front Side	15	20175	1732.5	1	Low	-0.16	0.102	22.97	24.50	1.422	0.145	/
	DSI4		Back Side	15	20175	1732.5	1	Low	0.00	0.103	22.97	24.50	1.422	0.146	/
	DSI4		Front Side	15	20175	1732.5	50	Low	0.04	0.082	21.96	23.50	1.426	0.117	/
	DSI4		Back Side	15	20175	1732.5	50	Low	-0.17	0.086	21.96	23.50	1.426	0.123	/
Ant.11#	DSI9	QPSK	Front Side	15	20175	1732.5	1	Low	-0.05	0.051	19.98	21.50	1.419	0.072	/
	DSI9		Back Side	15	20175	1732.5	1	Low	0.07	0.052	19.98	21.50	1.419	0.074	/
	DSI9		Front Side	15	20175	1732.5	50	Low	0.14	0.049	20.01	21.50	1.409	0.069	/
	DSI9		Back Side	15	20175	1732.5	50	Low	0.15	0.050	20.01	21.50	1.409	0.070	/
Ant.31#	DSI4	QPSK	Front Side	15	20175	1732.5	1	Mid	0.10	0.098	20.18	21.50	1.355	0.133	/
	DSI4		Back Side	15	20175	1732.5	1	Mid	-0.14	0.155	20.18	21.50	1.355	0.210	/
	DSI4		Front Side	15	20175	1732.5	50	Mid	-0.11	0.096	20.23	21.50	1.340	0.129	/
	DSI4		Back Side	15	20175	1732.5	50	Mid	-0.12	0.148	20.23	21.50	1.340	0.198	/
Ant.31#	DSI10	QPSK	Front Side	15	20300	1745	1	High	-0.18	0.078	19.28	20.50	1.324	0.103	/
	DSI10		Back Side	15	20300	1745	1	High	0.11	0.123	19.28	20.50	1.324	0.163	/
	DSI10		Front Side	15	20300	1745	50	Mid	-0.08	0.074	19.29	20.50	1.321	0.098	/
	DSI10		Back Side	15	20300	1745	50	Mid	-0.16	0.122	19.29	20.50	1.321	0.161	/
Hotspot															
Ant.13#	DSI10	QPSK	Front Side	10	20300	1745	1	High	-0.08	0.212	19.45	21.00	1.429	0.303	/
	DSI10		Back Side	10	20300	1745	1	High	-0.17	0.158	19.45	21.00	1.429	0.226	/
	DSI10		Right Edge	10	20300	1745	1	High	-0.06	0.045	19.45	21.00	1.429	0.064	/
	DSI10		Top Edge	10	20300	1745	1	High	-0.12	0.368	19.45	21.00	1.429	0.526	/
	DSI10		Front Side	10	20300	1745	50	High	0.06	0.177	19.54	21.00	1.400	0.248	/
	DSI10		Back Side	10	20300	1745	50	High	-0.01	0.125	19.54	21.00	1.400	0.175	/
	DSI10		Right Edge	10	20300	1745	50	High	-0.10	0.036	19.54	21.00	1.400	0.050	/
	DSI10		Top Edge	10	20300	1745	50	High	0.18	0.282	19.54	21.00	1.400	0.395	/
Ant.11#	DSI10	QPSK	Front Side	10	20175	1732.5	1	Low	0.11	0.099	19.98	21.50	1.419	0.140	/
	DSI10		Back Side	10	20175	1732.5	1	Low	0.07	0.131	19.98	21.50	1.419	0.186	/
	DSI10		Right Edge	10	20175	1732.5	1	Low	-0.01	0.238	19.98	21.50	1.419	0.338	/
	DSI10		Top Edge	10	20175	1732.5	1	Low	-0.06	0.041	19.98	21.50	1.419	0.058	/
	DSI10		Front Side	10	20175	1732.5	50	Low	0.18	0.091	20.01	21.50	1.409	0.128	/
	DSI10		Back Side	10	20175	1732.5	50	Low	0.17	0.121	20.01	21.50	1.409	0.170	/
	DSI10		Right Edge	10	20175	1732.5	50	Low	0.06	0.221	20.01	21.50	1.409	0.311	/
	DSI10		Top Edge	10	20175	1732.5	50	Low	-0.18	0.033	20.01	21.50	1.409	0.046	/
Ant.31#	DSI10	QPSK	Front Side	10	20300	1745	1	High	-0.07	0.147	19.28	20.50	1.324	0.195	/
	DSI10		Back Side	10	20300	1745	1	High	-0.14	0.261	19.28	20.50	1.324	0.346	/
	DSI10		Left Edge	10	20300	1745	1	High	0.17	0.055	19.28	20.50	1.324	0.073	/
	DSI10		Right Edge	10	20300	1745	1	High	-0.09	0.032	19.28	20.50	1.324	0.042	/

	DSI10		Bottom Edge	10	20300	1745	1	High	-0.07	0.456	19.28	20.50	1.324	<b>0.604</b>	24#
	DSI10		Front Side	10	20300	1745	50	Mid	-0.07	0.137	19.29	20.50	1.321	0.181	/
	DSI10		Back Side	10	20300	1745	50	Mid	-0.11	0.242	19.29	20.50	1.321	0.320	/
	DSI10		Left Edge	10	20300	1745	50	Mid	0.08	0.055	19.29	20.50	1.321	0.073	/
	DSI10		Right Edge	10	20300	1745	50	Mid	-0.02	0.030	19.29	20.50	1.321	0.040	/
	DSI10		Bottom Edge	10	20300	1745	50	Mid	-0.11	0.387	19.29	20.50	1.321	0.511	/

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

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant.31#	DSI4	QPSK	Bottom Edge	0	20175	1732.5	1	Mid	0.17	1.950	20.18	21.50	1.355	2.642	/
	DSI4		Bottom Edge	0	20175	1732.5	50	Mid	0.16	1.930	20.23	21.50	1.340	2.586	/
	DSI4		Bottom Edge	0	20050	1720	1	Mid	-0.18	1.890	20.16	21.50	1.361	2.572	/
	DSI4		Bottom Edge	0	20300	1745	1	Low	-0.03	2.010	20.05	21.50	1.396	2.806	25#
	DSI4		Bottom Edge	0	20050	1720	50	Mid	0.04	1.940	20.16	21.50	1.361	2.640	/
	DSI4		Bottom Edge	0	20300	1745	50	Low	-0.12	1.900	20.07	21.50	1.390	2.641	/
	DSI4		Bottom Edge	0	20050	1720	100	Low	0.03	1.880	20.21	21.50	1.346	2.530	/
Ant.31#	DSI10	QPSK	Bottom Edge	0	20300	1745	1	High	0.06	1.520	19.28	20.50	1.324	2.012	/
	DSI10		Bottom Edge	0	20300	1745	50	Mid	0.02	1.470	19.29	20.50	1.321	1.942	/
	DSI10		Bottom Edge	0	20050	1720	1	Mid	0.18	1.400	19.17	20.50	1.358	1.901	/
	DSI10		Bottom Edge	0	20175	1732.5	1	Low	0.08	1.360	19.13	20.50	1.371	1.865	/
	DSI10		Bottom Edge	0	20050	1720	100	Low	0.03	1.350	19.29	20.50	1.321	1.783	/
Senor(N-1)															
Ant.13#	DSI4	QPSK	Front Side	7	20300	1745	1	High	0.13	0.379	23.04	24.50	1.400	0.531	/
	DSI4	QPSK	Back Side	11	20300	1745	1	High	0.10	0.171	23.04	24.50	1.400	0.239	/
	DSI4	QPSK	Top Edge	13	20300	1745	1	High	-0.05	0.275	23.04	24.50	1.400	0.385	/
	DSI4	QPSK	Front Side	7	20300	1745	50	Mid	0.02	0.303	22.07	23.50	1.390	0.421	/
	DSI4	QPSK	Back Side	11	20300	1745	50	Mid	-0.05	0.138	22.07	23.50	1.390	0.192	/
	DSI4	QPSK	Top Edge	13	20300	1745	50	Mid	0.14	0.219	22.07	23.50	1.390	0.304	/
Ant.11#	DSI4	QPSK	Front Side	3	20175	1732.5	1	Low	-0.08	0.378	22.97	24.50	1.422	0.538	/
	DSI4	QPSK	Back Side	11	20175	1732.5	1	Low	0.07	0.134	22.97	24.50	1.422	0.191	/
	DSI4	QPSK	Right Edge	12	20175	1732.5	1	Low	-0.13	0.205	22.97	24.50	1.422	0.292	/
	DSI4	QPSK	Front Side	3	20175	1732.5	50	Low	0.13	0.296	21.96	23.50	1.426	0.422	/
	DSI4	QPSK	Back Side	11	20175	1732.5	50	Low	0.11	0.108	21.96	23.50	1.426	0.154	/
	DSI4	QPSK	Right Edge	12	20175	1732.5	50	Low	0.06	0.165	21.96	23.50	1.426	0.235	/

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

## 11.8LTE Band 5 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.13#	DSI2&3	QPSK	Left Cheek	0	20525	836.5	1	Mid	-0.14	0.336	21.53	23.00	1.403	0.471	/
	DSI2&3		Left Tilt	0	20525	836.5	1	Mid	-0.15	0.368	21.53	23.00	1.403	0.516	/
	DSI2&3		Right Cheek	0	20525	836.5	1	Mid	-0.11	0.579	21.53	23.00	1.403	0.812	/
	DSI2&3		Right Tilt	0	20525	836.5	1	Mid	-0.14	0.496	21.53	23.00	1.403	0.696	/
	DSI2&3		Left Cheek	0	20525	836.5	25	High	0.05	0.310	21.52	23.00	1.406	0.436	/
	DSI2&3		Left Tilt	0	20525	836.5	25	High	-0.18	0.339	21.52	23.00	1.406	0.477	/
	DSI2&3		Right Cheek	0	20525	836.5	25	High	0.10	0.567	21.52	23.00	1.406	0.797	/
	DSI2&3		Right Tilt	0	20525	836.5	25	High	0.05	0.463	21.52	23.00	1.406	0.651	/
	DSI2&3		Right Cheek	0	20450	829	1	Mid	-0.17	0.492	21.50	23.00	1.413	0.695	/
	DSI2&3		Right Cheek	0	20600	844	1	Mid	-0.12	0.614	21.53	23.00	1.403	0.861	26#
	DSI2&3		Right Cheek	0	20525	836.5	50	Low	0.03	0.569	21.52	23.00	1.406	0.800	/
Ant.31#	DSI2&3	QPSK	Left Cheek	0	20525	836.5	1	Mid	0.18	0.155	23.40	25.00	1.445	0.224	/
	DSI2&3		Left Tilt	0	20525	836.5	1	Mid	0.10	0.087	23.40	25.00	1.445	0.126	/
	DSI2&3		Right Cheek	0	20525	836.5	1	Mid	0.04	0.123	23.40	25.00	1.445	0.178	/
	DSI2&3		Right Tilt	0	20525	836.5	1	Mid	-0.17	0.065	23.40	25.00	1.445	0.094	/
	DSI2&3		Left Cheek	0	20525	836.5	25	High	0.15	0.132	22.38	24.00	1.452	0.192	/
	DSI2&3		Left Tilt	0	20525	836.5	25	High	0.07	0.073	22.38	24.00	1.452	0.106	/
	DSI2&3		Right Cheek	0	20525	836.5	25	High	0.17	0.105	22.38	24.00	1.452	0.152	/
	DSI2&3		Right Tilt	0	20525	836.5	25	High	0.06	0.059	22.38	24.00	1.452	0.086	/
Body-worn															
Ant.13#	DSI4&10	QPSK	Front Side	15	20525	836.5	1	Mid	-0.13	0.092	23.56	25.00	1.393	0.128	/
	DSI4&10		Back Side	15	20525	836.5	1	Mid	0.14	0.103	23.56	25.00	1.393	0.143	/
	DSI4&10		Front Side	15	20525	836.5	25	High	0.04	0.073	22.51	24.00	1.409	0.103	/
	DSI4&10		Back Side	15	20525	836.5	25	High	-0.15	0.083	22.51	24.00	1.409	0.117	/
Ant.31#	DSI4&10	QPSK	Front Side	15	20525	836.5	1	Mid	-0.02	0.106	23.40	25.00	1.445	0.153	/
	DSI4&10		Back Side	15	20525	836.5	1	Mid	0.01	0.122	23.40	25.00	1.445	0.176	27#
	DSI4&10		Front Side	15	20525	836.5	25	High	0.07	0.090	22.38	24.00	1.452	0.131	/
	DSI4&10		Back Side	15	20525	836.5	25	High	-0.13	0.096	22.38	24.00	1.452	0.139	/
Hotspot															
Ant.13#	DSI10	QPSK	Front Side	10	20525	836.5	1	Mid	0.16	0.137	23.56	25.00	1.393	0.191	/
	DSI10		Back Side	10	20525	836.5	1	Mid	-0.03	0.116	23.56	25.00	1.393	0.162	/
	DSI10		Right Edge	10	20525	836.5	1	Mid	0.01	0.055	23.56	25.00	1.393	0.077	/
	DSI10		Top Edge	10	20525	836.5	1	Mid	-0.15	0.184	23.56	25.00	1.393	0.256	/
	DSI10		Front Side	10	20525	836.5	25	High	-0.16	0.108	22.51	24.00	1.409	0.152	/
	DSI10		Back Side	10	20525	836.5	25	High	0.09	0.094	22.51	24.00	1.409	0.132	/
	DSI10		Right Edge	10	20525	836.5	25	High	-0.14	0.045	22.51	24.00	1.409	0.063	/

	DSI10		Top Edge	10	20525	836.5	25	High	0.06	0.151	22.51	24.00	1.409	0.213	/
Ant.31#	DSI10	QPSK	Front Side	10	20525	836.5	1	Mid	0.02	0.099	23.40	25.00	1.445	0.143	/
	DSI10		Back Side	10	20525	836.5	1	Mid	-0.07	0.205	23.40	25.00	1.445	<b>0.296</b>	28#
	DSI10		Left Edge	10	20525	836.5	1	Mid	-0.01	0.051	23.40	25.00	1.445	0.074	/
	DSI10		Right Edge	10	20525	836.5	1	Mid	0.09	0.087	23.40	25.00	1.445	0.126	/
	DSI10		Bottom Edge	10	20525	836.5	1	Mid	-0.08	0.135	23.40	25.00	1.445	0.195	/
	DSI10		Front Side	10	20525	836.5	25	High	0.01	0.083	22.38	24.00	1.452	0.121	/
	DSI10		Back Side	10	20525	836.5	25	High	0.13	0.152	22.38	24.00	1.452	0.221	/
	DSI10		Left Edge	10	20525	836.5	25	High	0.06	0.042	22.38	24.00	1.452	0.061	/
	DSI10		Right Edge	10	20525	836.5	25	High	0.00	0.072	22.38	24.00	1.452	0.105	/
	DSI10		Bottom Edge	10	20525	836.5	25	High	0.05	0.119	22.38	24.00	1.452	0.173	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

## 11.9LTE Band 7 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.13#	DSI2&3	QPSK	Left Cheek	0	21100	2535	1	Mid	-0.02	0.236	11.93	13.00	1.279	0.302	/
	DSI2&3		Left Tilt	0	21100	2535	1	Mid	-0.11	0.316	11.93	13.00	1.279	0.404	/
	DSI2&3		Right Cheek	0	21100	2535	1	Mid	0.14	0.485	11.93	13.00	1.279	0.620	/
	DSI2&3		Right Tilt	0	21100	2535	1	Mid	0.02	0.607	11.93	13.00	1.279	0.776	/
	DSI2&3		Left Cheek	0	21100	2535	50	High	0.17	0.229	12.05	13.00	1.245	0.285	/
	DSI2&3		Left Tilt	0	21100	2535	50	High	0.15	0.306	12.05	13.00	1.245	0.381	/
	DSI2&3		Right Cheek	0	21100	2535	50	High	0.06	0.484	12.05	13.00	1.245	0.603	/
	DSI2&3		Right Tilt	0	21100	2535	50	High	0.02	0.588	12.05	13.00	1.245	0.732	/
Ant.11#	DSI2&3	QPSK	Left Cheek	0	21100	2535	1	Mid	-0.10	0.221	17.22	18.00	1.197	0.265	/
	DSI2&3		Left Tilt	0	21100	2535	1	Mid	0.14	0.062	17.22	18.00	1.197	0.074	/
	DSI2&3		Right Cheek	0	21100	2535	1	Mid	-0.02	0.670	17.22	18.00	1.197	0.802	/
	DSI2&3		Right Tilt	0	21100	2535	1	Mid	-0.05	0.104	17.22	18.00	1.197	0.124	/
	DSI2&3		Left Cheek	0	21100	2535	50	High	0.02	0.204	17.23	18.00	1.194	0.244	/
	DSI2&3		Left Tilt	0	21100	2535	50	High	0.13	0.055	17.23	18.00	1.194	0.066	/
	DSI2&3		Right Cheek	0	21100	2535	50	High	-0.16	0.672	17.23	18.00	1.194	0.802	/
	DSI2&3		Right Tilt	0	21100	2535	50	High	0.16	0.094	17.23	18.00	1.194	0.112	/
	DSI2&3		Right Cheek	0	20850	2510	1	Mid	0.12	0.589	17.20	18.00	1.202	0.708	/
	DSI2&3		Right Cheek	0	21350	2560	1	Mid	-0.04	0.667	17.19	18.00	1.205	0.804	29#
	DSI2&3		Right Cheek	0	20850	2510	50	Mid	-0.10	0.596	17.22	18.00	1.197	0.713	/
	DSI2&3		Right Cheek	0	21350	2560	50	Mid	0.15	0.671	17.22	18.00	1.197	0.803	/
	DSI2&3		Right Cheek	0	21100	2535	100	Low	0.16	0.660	17.16	18.00	1.213	0.801	/
	Ant.31#		DSI2&3	QPSK	Left Cheek	0	21100	2535	1	Mid	0.16	0.144	22.66	24.00	1.361
DSI2&3		Left Tilt	0		21100	2535	1	Mid	0.08	0.098	22.66	24.00	1.361	0.133	/
DSI2&3		Right Cheek	0		21100	2535	1	Mid	-0.03	0.243	22.66	24.00	1.361	0.331	/
DSI2&3		Right Tilt	0		21100	2535	1	Mid	0.02	0.155	22.66	24.00	1.361	0.211	/
DSI2&3		Left Cheek	0		21350	2560	50	Low	-0.12	0.111	21.65	23.00	1.365	0.152	/
DSI2&3		Left Tilt	0		21350	2560	50	Low	0.13	0.075	21.65	23.00	1.365	0.102	/
DSI2&3		Right Cheek	0		21350	2560	50	Low	0.15	0.215	21.65	23.00	1.365	0.293	/
DSI2&3		Right Tilt	0		21350	2560	50	Low	-0.05	0.119	21.65	23.00	1.365	0.162	/
Body-worn															
Ant.13#	DSI4	QPSK	Front Side	15	21100	2535	1	Mid	-0.16	0.429	20.34	21.50	1.306	0.560	/
	DSI4		Back Side	15	21100	2535	1	Mid	-0.12	0.537	20.34	21.50	1.306	0.701	30#
	DSI4		Front Side	15	21100	2535	50	Mid	-0.05	0.432	20.45	21.50	1.274	0.550	/
	DSI4		Back Side	15	21100	2535	50	Mid	0.09	0.548	20.45	21.50	1.274	0.698	/
Ant.13#	DSI10	QPSK	Front Side	15	21100	2535	1	Mid	0.05	0.068	13.49	14.50	1.262	0.086	/
	DSI10		Back Side	15	21100	2535	1	Mid	-0.11	0.102	13.49	14.50	1.262	0.129	/

	DSI10		Front Side	15	21100	2535	50	High	-0.10	0.064	13.55	14.50	1.245	0.080	/
	DSI10		Back Side	15	21100	2535	50	High	0.00	0.099	13.55	14.50	1.245	0.123	/
Ant.11#	DSI4	QPSK	Front Side	15	21350	2560	1	High	-0.15	0.153	22.84	24.00	1.306	0.200	/
	DSI4		Back Side	15	21350	2560	1	High	-0.09	0.210	22.84	24.00	1.306	0.274	/
	DSI4		Front Side	15	21350	2560	50	Mid	-0.08	0.130	21.81	23.00	1.315	0.171	/
	DSI4		Back Side	15	21350	2560	50	Mid	-0.13	0.181	21.81	23.00	1.315	0.238	/
Ant.11#	DSI9	QPSK	Front Side	15	21350	2560	1	Low	-0.15	0.038	17.35	18.00	1.161	0.044	/
	DSI9		Back Side	15	21350	2560	1	Low	-0.14	0.053	17.35	18.00	1.161	0.062	/
	DSI9		Front Side	15	21350	2560	50	Mid	0.11	0.033	17.41	18.00	1.146	0.038	/
	DSI9		Back Side	15	21350	2560	50	Mid	0.12	0.045	17.41	18.00	1.146	0.052	/
Ant.31#	DSI4&10	QPSK	Front Side	15	21350	2560	1	Low	0.15	0.111	20.67	22.00	1.358	0.151	/
	DSI4&10		Back Side	15	21350	2560	1	Low	0.10	0.156	20.67	22.00	1.358	0.212	/
	DSI4&10		Front Side	15	21350	2560	50	Mid	-0.13	0.091	20.72	22.00	1.343	0.122	/
	DSI4&10		Back Side	15	21350	2560	50	Mid	-0.02	0.126	20.72	22.00	1.343	0.169	/
Hotspot															
Ant.13#	DSI10	QPSK	Front Side	10	21100	2535	1	Mid	-0.11	0.111	13.49	14.50	1.262	0.140	/
	DSI10		Back Side	10	21100	2535	1	Mid	-0.16	0.166	13.49	14.50	1.262	0.209	/
	DSI10		Right Edge	10	21100	2535	1	Mid	-0.04	0.038	13.49	14.50	1.262	0.048	/
	DSI10		Top Edge	10	21100	2535	1	Mid	0.01	0.498	13.49	14.50	1.262	0.628	31#
	DSI10		Front Side	10	21100	2535	50	High	0.18	0.104	13.55	14.50	1.245	0.129	/
	DSI10		Back Side	10	21100	2535	50	High	-0.05	0.155	13.55	14.50	1.245	0.193	/
	DSI10		Right Edge	10	21100	2535	50	High	0.04	0.034	13.55	14.50	1.245	0.042	/
	DSI10		Top Edge	10	21100	2535	50	High	-0.03	0.454	13.55	14.50	1.245	0.565	/
Ant.11#	DSI10	QPSK	Front Side	10	21100	2535	1	Low	0.10	0.077	17.35	18.00	1.161	0.089	/
	DSI10		Back Side	10	21100	2535	1	Low	-0.11	0.105	17.35	18.00	1.161	0.122	/
	DSI10		Right Edge	10	21100	2535	1	Low	-0.17	0.286	17.35	18.00	1.161	0.332	/
	DSI10		Top Edge	10	21100	2535	1	Low	-0.04	0.040	17.35	18.00	1.161	0.046	/
	DSI10		Front Side	10	21100	2535	50	Mid	0.00	0.075	17.41	18.00	1.146	0.086	/
	DSI10		Back Side	10	21100	2535	50	Mid	-0.03	0.114	17.41	18.00	1.146	0.131	/
	DSI10		Right Edge	10	21100	2535	50	Mid	0.06	0.290	17.41	18.00	1.146	0.332	/
	DSI10		Top Edge	10	21100	2535	50	Mid	-0.06	0.041	17.41	18.00	1.146	0.047	/
Ant.31#	DSI10	QPSK	Front Side	10	21100	2535	1	Low	-0.17	0.290	20.67	22.00	1.358	0.394	/
	DSI10		Back Side	10	21100	2535	1	Low	0.13	0.395	20.67	22.00	1.358	0.536	/
	DSI10		Left Edge	10	21100	2535	1	Low	-0.16	0.158	20.67	22.00	1.358	0.215	/
	DSI10		Right Edge	10	21100	2535	1	Low	-0.01	0.038	20.67	22.00	1.358	0.052	/
	DSI10		Bottom Edge	10	21100	2535	1	Low	-0.01	0.179	20.67	22.00	1.358	0.243	/
	DSI10		Front Side	10	21100	2535	50	Mid	-0.02	0.262	20.72	22.00	1.343	0.352	/
	DSI10		Back Side	10	21100	2535	50	Mid	0.08	0.354	20.72	22.00	1.343	0.475	/
	DSI10		Left Edge	10	21100	2535	50	Mid	-0.02	0.140	20.72	22.00	1.343	0.188	/
	DSI10		Right Edge	10	21100	2535	50	Mid	-0.16	0.034	20.72	22.00	1.343	0.046	/
	DSI10		Bottom Edge	10	21100	2535	50	Mid	0.06	0.158	20.72	22.00	1.343	0.212	/

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

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



Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max . tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant.13#	DSI5	QPSK	Front Side	0	21100	2535	1	Mid	-0.12	1.450	17.80	19.00	1.318	1.911	/
	DSI5		Back Side	0	21100	2535	1	Mid	0.01	1.230	17.80	19.00	1.318	1.621	/
	DSI5		Top Edge	0	21100	2535	1	Mid	-0.01	2.150	17.80	19.00	1.318	2.834	32#
	DSI5		Front Side	0	21100	2535	50	High	0.12	1.400	17.84	19.00	1.306	1.828	/
	DSI5		Back Side	0	21100	2535	50	High	-0.08	1.220	17.84	19.00	1.306	1.593	/
	DSI5		Top Edge	0	21100	2535	50	High	0.08	2.060	17.84	19.00	1.306	2.690	/
	DSI5		Top Edge	0	20850	2510	1	High	0.02	2.010	17.75	19.00	1.334	2.681	/
	DSI5		Top Edge	0	21350	2560	1	Mid	-0.02	1.920	17.69	19.00	1.352	2.596	/
	DSI5		Top Edge	0	20850	2510	50	Mid	-0.11	2.140	17.80	19.00	1.318	2.821	/
	DSI5		Top Edge	0	21350	2560	50	Mid	0.12	1.790	17.76	19.00	1.330	2.381	/
	DSI5		Top Edge	0	21100	2535	100	Mid	-0.09	1.920	17.77	19.00	1.327	2.548	/
Ant.13#	DSI8	QPSK	Front Side	0	21100	2535	1	Mid	-0.16	0.514	13.49	14.50	1.262	0.649	/
	DSI8		Back Side	0	21100	2535	1	Mid	-0.08	0.436	13.49	14.50	1.262	0.550	/
	DSI8		Top Edge	0	21100	2535	1	Mid	-0.12	0.762	13.49	14.50	1.262	0.962	/
	DSI8		Front Side	0	21100	2535	50	High	0.08	0.465	13.55	14.50	1.245	0.579	/
	DSI8		Back Side	0	21100	2535	50	High	0.16	0.404	13.55	14.50	1.245	0.503	/
	DSI8		Top Edge	0	21100	2535	50	High	-0.03	0.683	13.55	14.50	1.245	0.850	/
Ant.11#	DSI5	QPSK	Right Edge	0	21100	2535	1	Low	-0.04	1.650	18.16	19.00	1.213	2.001	/
	DSI5		Right Edge	0	21100	2535	50	High	0.00	1.350	18.21	19.00	1.199	1.619	/
	DSI5		Right Edge	0	20850	2510	1	Mid	0.16	1.660	18.15	19.00	1.216	2.019	/
	DSI5		Right Edge	0	21350	2560	1	Mid	-0.07	1.870	18.12	19.00	1.225	2.291	/
	DSI5		Right Edge	0	21100	2535	100	Low	0.18	1.430	18.25	19.00	1.189	1.700	/
Ant.11#	DSI8	QPSK	Right Edge	0	21100	2535	1	Low	-0.02	1.210	17.35	18.00	1.161	1.405	/
	DSI8		Right Edge	0	21100	2535	50	Mid	0.01	1.180	17.41	18.00	1.146	1.352	/
Senor(N-1)															
Ant.13#	DSI4	QPSK	Front Side	7	21100	2535	1	Mid	-0.13	0.574	20.34	21.50	1.306	0.750	/
	DSI4	QPSK	Back Side	11	21100	2535	1	Mid	0.05	0.440	20.34	21.50	1.306	0.575	/
	DSI4	QPSK	Top Edge	13	21100	2535	1	Mid	-0.09	0.944	20.34	21.50	1.306	1.233	/
	DSI4	QPSK	Front Side	7	21100	2535	50	Mid	0.01	0.570	20.45	21.50	1.274	0.726	/
	DSI4	QPSK	Back Side	11	21100	2535	50	Mid	0.11	0.439	20.45	21.50	1.274	0.559	/
	DSI4	QPSK	Top Edge	13	21100	2535	50	Mid	-0.12	0.928	20.45	21.50	1.274	1.182	/
Ant.11#	DSI4	QPSK	Front Side	3	21350	2560	1	High	-0.04	0.527	22.84	24.00	1.306	0.688	/
	DSI4	QPSK	Back Side	11	21350	2560	1	High	0.07	0.201	22.84	24.00	1.306	0.263	/
	DSI4	QPSK	Right Edge	12	21350	2560	1	High	-0.07	0.421	22.84	24.00	1.306	0.550	/
	DSI4	QPSK	Front Side	3	21350	2560	50	Mid	-0.12	0.420	21.81	23.00	1.315	0.552	/
	DSI4	QPSK	Back Side	11	21350	2560	50	Mid	0.00	0.163	21.81	23.00	1.315	0.214	/
	DSI4	QPSK	Right Edge	12	21350	2560	50	Mid	0.08	0.338	21.81	23.00	1.315	0.444	/

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

### 11.10 LTE Band 7 Worse case for CA Test

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head-CA															
Ant.11#	DSI2&3	QPSK	Right Cheek	0	21350 +21152	2560 +2540.2	1+1	Low +High	0.03	0.652	17.18	18.00	1.208	0.788	/
Body-Worn-CA															
Ant.13#	DSI4	QPSK	Back Side	15	21100 +21298	2535 +2554.8	1+1	High +Low	-0.12	0.521	20.24	21.50	1.337	0.697	/
Hotspot-CA															
Ant.13#	DSI10	QPSK	Top Edge	10	21100 +21298	2535 +2554.8	1+1	High +Low	0.06	0.480	13.52	14.50	1.253	0.601	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific-CA															
Ant.13#	DSI5	QPSK	Top Edge	0	21100 +21298	2535 +2554.8	1+1	High +Low	-0.02	1.980	17.78	19.00	1.324	2.622	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

## 11.11 LTE Band 12 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.13#	DSI2&3	QPSK	Left Cheek	0	23130	711	1	Low	-0.09	0.236	23.62	25.00	1.374	0.324	/
	DSI2&3		Left Tilt	0	23130	711	1	Low	0.03	0.265	23.62	25.00	1.374	0.364	/
	DSI2&3		Right Cheek	0	23130	711	1	Low	-0.11	0.484	23.62	25.00	1.374	0.665	33#
	DSI2&3		Right Tilt	0	23130	711	1	Low	-0.06	0.439	23.62	25.00	1.374	0.603	/
	DSI2&3		Left Cheek	0	23095	707.5	25	Low	-0.18	0.196	22.71	24.00	1.346	0.264	/
	DSI2&3		Left Tilt	0	23095	707.5	25	Low	0.01	0.216	22.71	24.00	1.346	0.291	/
	DSI2&3		Right Cheek	0	23095	707.5	25	Low	-0.03	0.369	22.71	24.00	1.346	0.497	/
	DSI2&3		Right Tilt	0	23095	707.5	25	Low	0.07	0.361	22.71	24.00	1.346	0.486	/
Ant.31#	DSI2&3	QPSK	Left Cheek	0	23095	707.5	1	Mid	0.15	0.133	23.36	25.00	1.459	0.194	/
	DSI2&3		Left Tilt	0	23095	707.5	1	Mid	-0.04	0.075	23.36	25.00	1.459	0.109	/
	DSI2&3		Right Cheek	0	23095	707.5	1	Mid	0.04	0.095	23.36	25.00	1.459	0.139	/
	DSI2&3		Right Tilt	0	23095	707.5	1	Mid	-0.17	0.054	23.36	25.00	1.459	0.079	/
	DSI2&3		Left Cheek	0	23095	707.5	25	High	0.01	0.105	22.36	24.00	1.459	0.153	/
	DSI2&3		Left Tilt	0	23095	707.5	25	High	0.04	0.059	22.36	24.00	1.459	0.086	/
	DSI2&3		Right Cheek	0	23095	707.5	25	High	-0.10	0.078	22.36	24.00	1.459	0.114	/
	DSI2&3		Right Tilt	0	23095	707.5	25	High	0.18	0.000	22.36	24.00	1.459	0.000	/
Body-worn															
Ant.13#	DSI4&10	QPSK	Front Side	15	23095	707.5	1	Low	0.18	0.094	23.62	25.00	1.374	0.129	/
	DSI4&10		Back Side	15	23095	707.5	1	Low	0.17	0.119	23.62	25.00	1.374	0.164	/
	DSI4&10		Front Side	15	23095	707.5	25	Low	-0.04	0.080	22.71	24.00	1.346	0.108	/
	DSI4&10		Back Side	15	23095	707.5	25	Low	0.16	0.100	22.71	24.00	1.346	0.135	/
Ant.31#	DSI4&10	QPSK	Front Side	15	23095	707.5	1	Mid	0.13	0.134	23.36	25.00	1.459	0.196	/
	DSI4&10		Back Side	15	23095	707.5	1	Mid	-0.05	0.168	23.36	25.00	1.459	0.245	34#
	DSI4&10		Front Side	15	23095	707.5	25	High	0.09	0.115	22.36	24.00	1.459	0.168	/
	DSI4&10		Back Side	15	23095	707.5	25	High	0.03	0.136	22.36	24.00	1.459	0.198	/
Hotspot															
Ant.13#	DSI10	QPSK	Front Side	10	23095	707.5	1	Low	-0.14	0.081	23.62	25.00	1.374	0.111	/
	DSI10		Back Side	10	23095	707.5	1	Low	-0.16	0.120	23.62	25.00	1.374	0.165	/
	DSI10		Right Edge	10	23095	707.5	1	Low	-0.06	0.133	23.62	25.00	1.374	0.183	/
	DSI10		Top Edge	10	23095	707.5	1	Low	0.13	0.121	23.62	25.00	1.374	0.166	/
	DSI10		Front Side	10	23095	707.5	25	Low	-0.05	0.072	22.71	24.00	1.346	0.097	/
	DSI10		Back Side	10	23095	707.5	25	Low	0.02	0.100	22.71	24.00	1.346	0.135	/
	DSI10		Right Edge	10	23095	707.5	25	Low	-0.09	0.107	22.71	24.00	1.346	0.144	/
	DSI10		Top Edge	10	23095	707.5	25	Low	0.02	0.100	22.71	24.00	1.346	0.135	/
Ant.31#	DSI10	QPSK	Front Side	10	23095	707.5	1	Mid	0.11	0.110	23.36	25.00	1.459	0.160	/
	DSI10		Back Side	10	23095	707.5	1	Mid	0.01	0.161	23.36	25.00	1.459	0.235	/

	DSI10		Left Edge	10	23095	707.5	1	Mid	0.06	0.113	23.36	25.00	1.459	0.165	/
	DSI10		Right Edge	10	23095	707.5	1	Mid	-0.09	0.217	23.36	25.00	1.459	<b>0.317</b>	35#
	DSI10		Bottom Edge	10	23095	707.5	1	Mid	0.09	0.120	23.36	25.00	1.459	0.175	/
	DSI10		Front Side	10	23095	707.5	25	High	0.08	0.087	22.36	24.00	1.459	0.127	/
	DSI10		Back Side	10	23095	707.5	25	High	-0.07	0.130	22.36	24.00	1.459	0.190	/
	DSI10		Left Edge	10	23095	707.5	25	High	0.03	0.090	22.36	24.00	1.459	0.131	/
	DSI10		Right Edge	10	23095	707.5	25	High	0.08	0.166	22.36	24.00	1.459	0.242	/
	DSI10		Bottom Edge	10	23095	707.5	25	High	0.16	0.099	22.36	24.00	1.459	0.144	/
	Note: Refer to ANNEX C for the detailed test data for each test configuration.														

## 11.12 LTE Band 13 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.13#	DSI2&3	QPSK	Left Cheek	0	23230	782	1	Mid	-0.11	0.354	23.14	24.50	1.368	0.484	/
	DSI2&3		Left Tilt	0	23230	782	1	Mid	-0.04	0.325	23.14	24.50	1.368	0.445	/
	DSI2&3		Right Cheek	0	23230	782	1	Mid	-0.09	0.624	23.14	24.50	1.368	<b>0.854</b>	36#
	DSI2&3		Right Tilt	0	23230	782	1	Mid	-0.01	0.540	23.14	24.50	1.368	0.739	/
	DSI2&3		Left Cheek	0	23230	782	25	Mid	0.04	0.291	22.07	23.50	1.390	0.404	/
	DSI2&3		Left Tilt	0	23230	782	25	Mid	0.17	0.285	22.07	23.50	1.390	0.396	/
	DSI2&3		Right Cheek	0	23230	782	25	Mid	-0.12	0.510	22.07	23.50	1.390	0.709	/
	DSI2&3		Right Tilt	0	23230	782	25	Mid	-0.07	0.445	22.07	23.50	1.390	0.619	/
	DSI2&3		Right Cheek	0	23230	782	50	Low	0.04	0.542	22.01	23.50	1.409	0.764	/
Ant.31#	DSI2&3	QPSK	Left Cheek	0	23230	782	1	Mid	0.10	0.147	22.98	24.50	1.419	0.209	/
	DSI2&3		Left Tilt	0	23230	782	1	Mid	-0.12	0.090	22.98	24.50	1.419	0.128	/
	DSI2&3		Right Cheek	0	23230	782	1	Mid	0.04	0.111	22.98	24.50	1.419	0.158	/
	DSI2&3		Right Tilt	0	23230	782	1	Mid	0.08	0.070	22.98	24.50	1.419	0.099	/
	DSI2&3		Left Cheek	0	23230	782	25	High	0.04	0.120	21.97	23.50	1.422	0.171	/
	DSI2&3		Left Tilt	0	23230	782	25	High	0.13	0.068	21.97	23.50	1.422	0.097	/
	DSI2&3		Right Cheek	0	23230	782	25	High	-0.11	0.088	21.97	23.50	1.422	0.125	/
	DSI2&3		Right Tilt	0	23230	782	25	High	-0.08	0.052	21.97	23.50	1.422	0.074	/
Body-worn															
Ant.13#	DSI4&10	QPSK	Front Side	15	23230	782	1	Mid	0.08	0.101	23.14	24.50	1.368	0.138	/
	DSI4&10		Back Side	15	23230	782	1	Mid	-0.17	0.123	23.14	24.50	1.368	0.168	/
	DSI4&10		Front Side	15	23230	782	25	Mid	0.13	0.080	22.07	23.50	1.390	0.111	/
	DSI4&10		Back Side	15	23230	782	25	Mid	0.04	0.096	22.07	23.50	1.390	0.133	/
Ant.31#	DSI4&10	QPSK	Front Side	15	23230	782	1	Mid	-0.01	0.142	22.98	24.50	1.419	0.201	/
	DSI4&10		Back Side	15	23230	782	1	Mid	-0.07	0.153	22.98	24.50	1.419	<b>0.217</b>	37#
	DSI4&10		Front Side	15	23230	782	25	High	-0.03	0.115	21.97	23.50	1.422	0.164	/
	DSI4&10		Back Side	15	23230	782	25	High	-0.18	0.128	21.97	23.50	1.422	0.182	/
Hotspot															
Ant.13#	DSI10	QPSK	Front Side	10	23230	782	1	Mid	-0.10	0.078	23.14	24.50	1.368	0.107	/
	DSI10		Back Side	10	23230	782	1	Mid	-0.04	0.081	23.14	24.50	1.368	0.111	/
	DSI10		Right Edge	10	23230	782	1	Mid	0.12	0.071	23.14	24.50	1.368	0.097	/
	DSI10		Top Edge	10	23230	782	1	Mid	0.07	0.142	23.14	24.50	1.368	0.194	/
	DSI10		Front Side	10	23230	782	25	Mid	-0.14	0.065	22.07	23.50	1.390	0.090	/
	DSI10		Back Side	10	23230	782	25	Mid	-0.08	0.060	22.07	23.50	1.390	0.083	/
	DSI10		Right Edge	10	23230	782	25	Mid	-0.11	0.058	22.07	23.50	1.390	0.081	/
	DSI10		Top Edge	10	23230	782	25	Mid	0.12	0.126	22.07	23.50	1.390	0.175	/
Ant.31#	DSI10	QPSK	Front Side	10	23230	782	1	Mid	0.10	0.091	22.98	24.50	1.419	0.129	/

	DSI10		Back Side	10	23230	782	1	Mid	-0.03	0.157	22.98	24.50	1.419	<b>0.223</b>	38#
	DSI10		Left Edge	10	23230	782	1	Mid	-0.13	0.073	22.98	24.50	1.419	0.104	/
	DSI10		Right Edge	10	23230	782	1	Mid	0.02	0.139	22.98	24.50	1.419	0.197	/
	DSI10		Bottom Edge	10	23230	782	1	Mid	-0.01	0.135	22.98	24.50	1.419	0.192	/
	DSI10		Front Side	10	23230	782	25	High	0.11	0.072	21.97	23.50	1.422	0.102	/
	DSI10		Back Side	10	23230	782	25	High	-0.06	0.124	21.97	23.50	1.422	0.176	/
	DSI10		Left Edge	10	23230	782	25	High	-0.09	0.056	21.97	23.50	1.422	0.080	/
	DSI10		Right Edge	10	23230	782	25	High	0.09	0.115	21.97	23.50	1.422	0.164	/
	DSI10		Bottom Edge	10	23230	782	25	High	-0.03	0.136	21.97	23.50	1.422	0.193	/
	Note: Refer to ANNEX C for the detailed test data for each test configuration.														

## 11.13 LTE Band 17 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.13#	DSI2&3	QPSK	Left Cheek	0	23800	711	1	High	-0.03	0.239	23.61	25.00	1.377	0.329	/
	DSI2&3		Left Tilt	0	23800	711	1	High	-0.11	0.254	23.61	25.00	1.377	0.350	/
	DSI2&3		Right Cheek	0	23800	711	1	High	0.00	0.480	23.61	25.00	1.377	0.661	39#
	DSI2&3		Right Tilt	0	23800	711	1	High	0.17	0.461	23.61	25.00	1.377	0.635	/
	DSI2&3		Left Cheek	0	23800	711	25	High	-0.02	0.196	22.60	24.00	1.380	0.270	/
	DSI2&3		Left Tilt	0	23800	711	25	High	-0.18	0.209	22.60	24.00	1.380	0.288	/
	DSI2&3		Right Cheek	0	23800	711	25	High	-0.10	0.389	22.60	24.00	1.380	0.537	/
	DSI2&3		Right Tilt	0	23800	711	25	High	-0.12	0.371	22.60	24.00	1.380	0.512	/
Ant.31#	DSI2&3	QPSK	Left Cheek	0	23780	709	1	High	0.07	0.126	23.38	25.00	1.452	0.183	/
	DSI2&3		Left Tilt	0	23780	709	1	High	-0.18	0.075	23.38	25.00	1.452	0.109	/
	DSI2&3		Right Cheek	0	23780	709	1	High	0.06	0.095	23.38	25.00	1.452	0.138	/
	DSI2&3		Right Tilt	0	23780	709	1	High	0.06	0.055	23.38	25.00	1.452	0.080	/
	DSI2&3		Left Cheek	0	23780	709	25	Mid	-0.09	0.102	22.38	24.00	1.452	0.148	/
	DSI2&3		Left Tilt	0	23780	709	25	Mid	-0.03	0.060	22.38	24.00	1.452	0.087	/
	DSI2&3		Right Cheek	0	23780	709	25	Mid	0.16	0.074	22.38	24.00	1.452	0.107	/
	DSI2&3		Right Tilt	0	23780	709	25	Mid	-0.14	0.034	22.38	24.00	1.452	0.049	/
Body-worn															
Ant.13#	DSI4&10	QPSK	Front Side	15	23800	711	1	High	0.10	0.098	23.61	25.00	1.377	0.135	/
	DSI4&10		Back Side	15	23800	711	1	High	0.18	0.123	23.61	25.00	1.377	0.169	/
	DSI4&10		Front Side	15	23800	711	25	High	0.06	0.080	22.60	24.00	1.380	0.110	/
	DSI4&10		Back Side	15	23800	711	25	High	-0.12	0.102	22.60	24.00	1.380	0.141	/
Ant.31#	DSI4&10	QPSK	Front Side	15	23780	709	1	High	0.05	0.134	23.38	25.00	1.452	0.195	/
	DSI4&10		Back Side	15	23780	709	1	High	-0.05	0.159	23.38	25.00	1.452	0.231	40#
	DSI4&10		Front Side	15	23780	709	25	Mid	0.11	0.121	22.38	24.00	1.452	0.176	/
	DSI4&10		Back Side	15	23780	709	25	Mid	0.18	0.142	22.38	24.00	1.452	0.206	/
Hotspot															
Ant.13#	DSI10	QPSK	Front Side	10	23800	711	1	High	-0.07	0.086	23.61	25.00	1.377	0.118	/
	DSI10		Back Side	10	23800	711	1	High	0.04	0.120	23.61	25.00	1.377	0.165	/
	DSI10		Right Edge	10	23800	711	1	High	-0.15	0.137	23.61	25.00	1.377	0.189	/
	DSI10		Top Edge	10	23800	711	1	High	0.07	0.106	23.61	25.00	1.377	0.146	/
	DSI10		Front Side	10	23800	711	25	High	0.01	0.071	22.60	24.00	1.380	0.098	/
	DSI10		Back Side	10	23800	711	25	High	-0.06	0.100	22.60	24.00	1.380	0.138	/
	DSI10		Right Edge	10	23800	711	25	High	0.03	0.108	22.60	24.00	1.380	0.149	/
	DSI10		Top Edge	10	23800	711	25	High	-0.13	0.088	22.60	24.00	1.380	0.121	/
Ant.31#	DSI10	QPSK	Front Side	10	23780	709	1	High	0.05	0.109	23.38	25.00	1.452	0.158	/
	DSI10		Back Side	10	23780	709	1	High	0.12	0.157	23.38	25.00	1.452	0.228	/

	DSI10		Left Edge	10	23780	709	1	High	-0.18	0.108	23.38	25.00	1.452	0.157	/
	DSI10		Right Edge	10	23780	709	1	High	-0.02	0.212	23.38	25.00	1.452	<b>0.308</b>	41#
	DSI10		Bottom Edge	10	23780	709	1	High	-0.05	0.120	23.38	25.00	1.452	0.174	/
	DSI10		Front Side	10	23780	709	25	Mid	-0.01	0.085	22.38	24.00	1.452	0.123	/
	DSI10		Back Side	10	23780	709	25	Mid	-0.06	0.123	22.38	24.00	1.452	0.179	/
	DSI10		Left Edge	10	23780	709	25	Mid	-0.17	0.082	22.38	24.00	1.452	0.119	/
	DSI10		Right Edge	10	23780	709	25	Mid	-0.11	0.157	22.38	24.00	1.452	0.228	/
	DSI10		Bottom Edge	10	23780	709	25	Mid	-0.09	0.101	22.38	24.00	1.452	0.147	/
	Note: Refer to ANNEX C for the detailed test data for each test configuration.														



## 11.14 LTE Band 18 (15MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune -power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.13#	DSI2&3	QPSK	Left Cheek	0	23925	822.5	1	Low	0.14	0.285	21.10	22.50	1.380	0.393	/
	DSI2&3		Left Tilt	0	23925	822.5	1	Low	0.00	0.264	21.10	22.50	1.380	0.364	/
	DSI2&3		Right Cheek	0	23925	822.5	1	Low	-0.03	0.479	21.10	22.50	1.380	0.661	42#
	DSI2&3		Right Tilt	0	23925	822.5	1	Low	-0.04	0.431	21.10	22.50	1.380	0.595	/
	DSI2&3		Left Cheek	0	23925	822.5	36	High	0.05	0.278	21.02	22.50	1.406	0.391	/
	DSI2&3		Left Tilt	0	23925	822.5	36	High	-0.04	0.261	21.02	22.50	1.406	0.367	/
	DSI2&3		Right Cheek	0	23925	822.5	36	High	0.10	0.464	21.02	22.50	1.406	0.652	/
	DSI2&3		Right Tilt	0	23925	822.5	36	High	-0.12	0.415	21.02	22.50	1.406	0.583	/
Ant.31#	DSI2&3	QPSK	Left Cheek	0	23925	822.5	1	High	-0.12	0.101	22.74	24.50	1.500	0.152	/
	DSI2&3		Left Tilt	0	23925	822.5	1	High	-0.01	0.055	22.74	24.50	1.500	0.083	/
	DSI2&3		Right Cheek	0	23925	822.5	1	High	0.04	0.087	22.74	24.50	1.500	0.131	/
	DSI2&3		Right Tilt	0	23925	822.5	1	High	0.00	0.046	22.74	24.50	1.500	0.069	/
	DSI2&3		Left Cheek	0	23925	822.5	36	High	-0.08	0.085	21.74	23.50	1.500	0.128	/
	DSI2&3		Left Tilt	0	23925	822.5	36	High	0.06	0.045	21.74	23.50	1.500	0.068	/
	DSI2&3		Right Cheek	0	23925	822.5	36	High	-0.06	0.074	21.74	23.50	1.500	0.111	/
	DSI2&3		Right Tilt	0	23925	822.5	36	High	-0.04	0.000	21.74	23.50	1.500	0.000	/
Body-worn															
Ant.13#	DSI4&10	QPSK	Front Side	15	23925	822.5	1	Mid	0.13	0.089	23.06	24.50	1.393	0.124	/
	DSI4&10		Back Side	15	23925	822.5	1	Mid	-0.01	0.111	23.06	24.50	1.393	0.155	43#
	DSI4&10		Front Side	15	23925	822.5	36	High	-0.14	0.061	21.99	23.50	1.416	0.086	/
	DSI4&10		Back Side	15	23925	822.5	36	High	0.18	0.070	21.99	23.50	1.416	0.099	/
Ant.31#	DSI4&10	QPSK	Front Side	15	23925	822.5	1	High	-0.05	0.067	22.74	24.50	1.500	0.101	/
	DSI4&10		Back Side	15	23925	822.5	1	High	-0.01	0.072	22.74	24.50	1.500	0.108	/
	DSI4&10		Front Side	15	23925	822.5	36	High	0.07	0.056	21.74	23.50	1.500	0.084	/
	DSI4&10		Back Side	15	23925	822.5	36	High	-0.02	0.059	21.74	23.50	1.500	0.089	/
Hotspot															
Ant.13#	DSI10	QPSK	Front Side	10	23925	822.5	1	Mid	-0.16	0.088	23.06	24.50	1.393	0.123	/
	DSI10		Back Side	10	23925	822.5	1	Mid	0.14	0.072	23.06	24.50	1.393	0.100	/
	DSI10		Right Edge	10	23925	822.5	1	Mid	0.00	0.037	23.06	24.50	1.393	0.052	/
	DSI10		Top Edge	10	23925	822.5	1	Mid	-0.11	0.152	23.06	24.50	1.393	0.212	44#
	DSI10		Front Side	10	23925	822.5	36	High	0.00	0.074	21.99	23.50	1.416	0.105	/
	DSI10		Back Side	10	23925	822.5	36	High	-0.13	0.061	21.99	23.50	1.416	0.086	/
	DSI10		Right Edge	10	23925	822.5	36	High	0.05	0.031	21.99	23.50	1.416	0.044	/
	DSI10		Top Edge	10	23925	822.5	36	High	0.02	0.123	21.99	23.50	1.416	0.174	/
Ant.31#	DSI10	QPSK	Front Side	10	23925	822.5	1	High	0.17	0.054	22.74	24.50	1.500	0.081	/
	DSI10		Back Side	10	23925	822.5	1	High	0.16	0.101	22.74	24.50	1.500	0.152	/

	DSI10		Left Edge	10	23925	822.5	1	High	0.14	0.028	22.74	24.50	1.500	0.042	/
	DSI10		Right Edge	10	23925	822.5	1	High	-0.13	0.056	22.74	24.50	1.500	0.084	/
	DSI10		Bottom Edge	10	23925	822.5	1	High	-0.14	0.072	22.74	24.50	1.500	0.108	/
	DSI10		Front Side	10	23925	822.5	36	High	-0.07	0.048	21.74	23.50	1.500	0.072	/
	DSI10		Back Side	10	23925	822.5	36	High	-0.07	0.084	21.74	23.50	1.500	0.126	/
	DSI10		Left Edge	10	23925	822.5	36	High	0.11	0.000	21.74	23.50	1.500	0.000	/
	DSI10		Right Edge	10	23925	822.5	36	High	0.17	0.040	21.74	23.50	1.500	0.060	/
	DSI10		Bottom Edge	10	23925	822.5	36	High	0.03	0.056	21.74	23.50	1.500	0.084	/

## 11.15 LTE Band 19 (15MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune -power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.13#	DSI2&3	QPSK	Left Cheek	0	24075	837.5	1	Mid	-0.18	0.311	21.12	22.50	1.374	0.427	/
	DSI2&3		Left Tilt	0	24075	837.5	1	Mid	-0.17	0.326	21.12	22.50	1.374	0.448	/
	DSI2&3		Right Cheek	0	24075	837.5	1	Mid	-0.02	0.531	21.12	22.50	1.374	0.730	45#
	DSI2&3		Right Tilt	0	24075	837.5	1	Mid	-0.10	0.453	21.12	22.50	1.374	0.622	/
	DSI2&3		Left Cheek	0	24075	837.5	36	Mid	0.18	0.301	20.97	22.50	1.422	0.428	/
	DSI2&3		Left Tilt	0	24075	837.5	36	Mid	-0.07	0.307	20.97	22.50	1.422	0.437	/
	DSI2&3		Right Cheek	0	24075	837.5	36	Mid	0.16	0.501	20.97	22.50	1.422	0.712	/
	DSI2&3		Right Tilt	0	24075	837.5	36	Mid	-0.07	0.429	20.97	22.50	1.422	0.610	/
Ant.31#	DSI2&3	QPSK	Left Cheek	0	24075	837.5	1	Mid	-0.18	0.143	22.88	24.50	1.452	0.208	/
	DSI2&3		Left Tilt	0	24075	837.5	1	Mid	0.04	0.077	22.88	24.50	1.452	0.112	/
	DSI2&3		Right Cheek	0	24075	837.5	1	Mid	0.02	0.110	22.88	24.50	1.452	0.160	/
	DSI2&3		Right Tilt	0	24075	837.5	1	Mid	-0.11	0.058	22.88	24.50	1.452	0.084	/
	DSI2&3		Left Cheek	0	24075	837.5	36	Mid	0.03	0.120	21.89	23.50	1.449	0.174	/
	DSI2&3		Left Tilt	0	24075	837.5	36	Mid	0.11	0.072	21.89	23.50	1.449	0.104	/
	DSI2&3		Right Cheek	0	24075	837.5	36	Mid	-0.09	0.098	21.89	23.50	1.449	0.142	/
	DSI2&3		Right Tilt	0	24075	837.5	36	Mid	-0.18	0.050	21.89	23.50	1.449	0.072	/
Body-worn															
Ant.13#	DSI4&10	QPSK	Front Side	15	24075	837.5	1	Mid	0.07	0.082	23.04	24.50	1.400	0.115	/
	DSI4&10		Back Side	15	24075	837.5	1	Mid	0.03	0.091	23.04	24.50	1.400	0.127	/
	DSI4&10		Front Side	15	24075	837.5	36	High	0.05	0.065	22.05	23.50	1.396	0.091	/
	DSI4&10		Back Side	15	24075	837.5	36	High	0.10	0.074	22.05	23.50	1.396	0.103	/
Ant.31#	DSI4&10	QPSK	Front Side	15	24075	837.5	1	Mid	0.01	0.097	22.88	24.50	1.452	0.141	/
	DSI4&10		Back Side	15	24075	837.5	1	Mid	-0.07	0.115	22.88	24.50	1.452	0.167	46#
	DSI4&10		Front Side	15	24075	837.5	36	Mid	0.10	0.081	21.89	23.50	1.449	0.117	/
	DSI4&10		Back Side	15	24075	837.5	36	Mid	0.16	0.088	21.89	23.50	1.449	0.128	/
Hotspot															
Ant.13#	DSI10	QPSK	Front Side	10	24075	837.5	1	Mid	0.11	0.117	23.04	24.50	1.400	0.164	/
	DSI10		Back Side	10	24075	837.5	1	Mid	-0.12	0.098	23.04	24.50	1.400	0.137	/
	DSI10		Right Edge	10	24075	837.5	1	Mid	0.02	0.045	23.04	24.50	1.400	0.063	/
	DSI10		Top Edge	10	24075	837.5	1	Mid	-0.04	0.173	23.04	24.50	1.400	0.242	47#
	DSI10		Front Side	10	24075	837.5	36	High	-0.02	0.095	22.05	23.50	1.396	0.133	/
	DSI10		Back Side	10	24075	837.5	36	High	-0.04	0.081	22.05	23.50	1.396	0.113	/
	DSI10		Right Edge	10	24075	837.5	36	High	-0.15	0.037	22.05	23.50	1.396	0.052	/
	DSI10		Top Edge	10	24075	837.5	36	High	0.09	0.139	22.05	23.50	1.396	0.194	/
Ant.31#	DSI10	QPSK	Front Side	10	24075	837.5	1	Mid	-0.11	0.083	22.88	24.50	1.452	0.121	/
	DSI10		Back Side	10	24075	837.5	1	Mid	-0.10	0.150	22.88	24.50	1.452	0.218	/

	DSI10		Left Edge	10	24075	837.5	1	Mid	-0.05	0.044	22.88	24.50	1.452	0.064	/
	DSI10		Right Edge	10	24075	837.5	1	Mid	-0.13	0.077	22.88	24.50	1.452	0.112	/
	DSI10		Bottom Edge	10	24075	837.5	1	Mid	-0.10	0.122	22.88	24.50	1.452	0.177	/
	DSI10		Front Side	10	24075	837.5	36	Mid	0.18	0.068	21.89	23.50	1.449	0.099	/
	DSI10		Back Side	10	24075	837.5	36	Mid	0.11	0.126	21.89	23.50	1.449	0.183	/
	DSI10		Left Edge	10	24075	837.5	36	Mid	-0.05	0.037	21.89	23.50	1.449	0.054	/
	DSI10		Right Edge	10	24075	837.5	36	Mid	-0.12	0.063	21.89	23.50	1.449	0.091	/
	DSI10		Bottom Edge	10	24075	837.5	36	Mid	0.07	0.094	21.89	23.50	1.449	0.136	/

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

## 11.16 LTE Band 26 (15MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.13#	DSI2&3	QPSK	Left Cheek	0	26865	831.5	1	Mid	-0.06	0.313	21.29	23.00	1.483	0.464	/
	DSI2&3		Left Tilt	0	26865	831.5	1	Mid	0.06	0.318	21.29	23.00	1.483	0.472	/
	DSI2&3		Right Cheek	0	26865	831.5	1	Mid	0.16	0.542	21.29	23.00	1.483	0.804	/
	DSI2&3		Right Tilt	0	26865	831.5	1	Mid	-0.16	0.472	21.29	23.00	1.483	0.700	/
	DSI2&3		Left Cheek	0	26865	831.5	36	High	0.06	0.308	21.35	23.00	1.462	0.450	/
	DSI2&3		Left Tilt	0	26865	831.5	36	High	0.02	0.320	21.35	23.00	1.462	0.468	/
	DSI2&3		Right Cheek	0	26865	831.5	36	High	-0.06	0.546	21.35	23.00	1.462	0.798	/
	DSI2&3		Right Tilt	0	26865	831.5	36	High	0.18	0.473	21.35	23.00	1.462	0.692	/
	DSI2&3		Right Cheek	0	26765	821.5	1	Low	0.06	0.483	21.24	23.00	1.500	0.725	/
	DSI2&3		Right Cheek	0	26965	841.5	1	Low	-0.14	0.584	21.28	23.00	1.486	0.868	48#
	DSI2&3		Right Cheek	0	26865	831.5	75	Low	0.01	0.547	21.30	23.00	1.479	0.809	/
Ant.31#	DSI2&3	QPSK	Left Cheek	0	26865	831.5	1	Mid	0.04	0.126	23.12	25.00	1.542	0.194	/
	DSI2&3		Left Tilt	0	26865	831.5	1	Mid	0.06	0.070	23.12	25.00	1.542	0.108	/
	DSI2&3		Right Cheek	0	26865	831.5	1	Mid	-0.03	0.101	23.12	25.00	1.542	0.156	/
	DSI2&3		Right Tilt	0	26865	831.5	1	Mid	-0.14	0.052	23.12	25.00	1.542	0.080	/
	DSI2&3		Left Cheek	0	26865	831.5	36	Mid	-0.16	0.111	22.25	24.00	1.496	0.166	/
	DSI2&3		Left Tilt	0	26865	831.5	36	Mid	0.09	0.058	22.25	24.00	1.496	0.087	/
	DSI2&3		Right Cheek	0	26865	831.5	36	Mid	0.05	0.098	22.25	24.00	1.496	0.147	/
	DSI2&3		Right Tilt	0	26865	831.5	36	Mid	-0.18	0.048	22.25	24.00	1.496	0.072	/
Body-worn															
Ant.13#	DSI4&10	QPSK	Front Side	15	26865	831.5	1	Low	0.03	0.095	23.29	25.00	1.483	0.141	/
	DSI4&10		Back Side	15	26865	831.5	1	Low	-0.09	0.123	23.29	25.00	1.483	0.182	49#
	DSI4&10		Front Side	15	26865	831.5	36	High	-0.13	0.078	22.37	24.00	1.455	0.113	/
	DSI4&10		Back Side	15	26865	831.5	36	High	-0.08	0.086	22.37	24.00	1.455	0.125	/
Ant.31#	DSI4&10	QPSK	Front Side	15	26865	831.5	1	Mid	0.03	0.080	23.12	25.00	1.542	0.123	/
	DSI4&10		Back Side	15	26865	831.5	1	Mid	-0.07	0.086	23.12	25.00	1.542	0.133	/
	DSI4&10		Front Side	15	26865	831.5	36	Mid	-0.12	0.072	22.25	24.00	1.496	0.108	/
	DSI4&10		Back Side	15	26865	831.5	36	Mid	0.02	0.077	22.25	24.00	1.496	0.115	/
Hotspot															
Ant.13#	DSI10	QPSK	Front Side	10	26865	831.5	1	Low	0.10	0.170	23.29	25.00	1.483	0.252	/
	DSI10		Back Side	10	26865	831.5	1	Low	0.01	0.148	23.29	25.00	1.483	0.219	/
	DSI10		Right Edge	10	26865	831.5	1	Low	-0.05	0.071	23.29	25.00	1.483	0.105	/
	DSI10		Top Edge	10	26865	831.5	1	Low	-0.07	0.278	23.29	25.00	1.483	0.412	50#
	DSI10		Front Side	10	26865	831.5	36	High	-0.05	0.145	22.37	24.00	1.455	0.211	/
	DSI10		Back Side	10	26865	831.5	36	High	0.00	0.124	22.37	24.00	1.455	0.180	/
	DSI10		Right Edge	10	26865	831.5	36	High	-0.11	0.061	22.37	24.00	1.455	0.089	/

	DSI10		Top Edge	10	26865	831.5	36	High	-0.16	0.219	22.37	24.00	1.455	0.319	/
Ant.31#	DSI10	QPSK	Front Side	10	26865	831.5	1	Mid	0.06	0.107	23.12	25.00	1.542	0.165	/
	DSI10		Back Side	10	26865	831.5	1	Mid	-0.17	0.218	23.12	25.00	1.542	0.336	/
	DSI10		Left Edge	10	26865	831.5	1	Mid	0.17	0.056	23.12	25.00	1.542	0.086	/
	DSI10		Right Edge	10	26865	831.5	1	Mid	0.13	0.096	23.12	25.00	1.542	0.148	/
	DSI10		Bottom Edge	10	26865	831.5	1	Mid	0.16	0.143	23.12	25.00	1.542	0.221	/
	DSI10		Front Side	10	26865	831.5	36	Mid	-0.16	0.098	22.25	24.00	1.496	0.147	/
	DSI10		Back Side	10	26865	831.5	36	Mid	-0.13	0.192	22.25	24.00	1.496	0.287	/
	DSI10		Left Edge	10	26865	831.5	36	Mid	-0.11	0.049	22.25	24.00	1.496	0.073	/
	DSI10		Right Edge	10	26865	831.5	36	Mid	0.03	0.085	22.25	24.00	1.496	0.127	/
	DSI10		Bottom Edge	10	26865	831.5	36	Mid	-0.08	0.127	22.25	24.00	1.496	0.190	/

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

## 11.17 LTE Band 66 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.13#	DSI2&3	QPSK	Left Cheek	0	132322	1745	1	Low	0.06	0.362	16.03	17.50	1.403	0.508	/
	DSI2&3		Left Tilt	0	132322	1745	1	Low	0.13	0.448	16.03	17.50	1.403	0.629	/
	DSI2&3		Right Cheek	0	132322	1745	1	Low	0.07	0.546	16.03	17.50	1.403	0.766	/
	DSI2&3		Right Tilt	0	132322	1745	1	Low	0.13	0.605	16.03	17.50	1.403	0.849	/
	DSI2&3		Left Cheek	0	132322	1745	50	High	0.05	0.359	16.11	17.50	1.377	0.494	/
	DSI2&3		Left Tilt	0	132322	1745	50	High	0.15	0.436	16.11	17.50	1.377	0.600	/
	DSI2&3		Right Cheek	0	132322	1745	50	High	-0.10	0.540	16.11	17.50	1.377	0.744	/
	DSI2&3		Right Tilt	0	132322	1745	50	High	0.17	0.599	16.11	17.50	1.377	0.825	/
	DSI2&3		Right Tilt	0	132072	1720	1	High	-0.16	0.548	15.88	17.50	1.452	0.796	/
	DSI2&3		Right Tilt	0	132572	1770	1	Mid	-0.05	0.650	15.80	17.50	1.479	0.961	51#
	DSI2&3		Right Tilt	0	132072	1720	50	Mid	0.13	0.586	15.90	17.50	1.445	0.847	/
	DSI2&3		Right Tilt	0	132572	1770	50	High	-0.12	0.615	15.88	17.50	1.452	0.893	/
	DSI2&3		Right Tilt	0	132322	1745	100	Low	-0.13	0.608	15.97	17.50	1.422	0.865	/
Ant.11#	DSI2&3	QPSK	Left Cheek	0	132322	1745	1	High	-0.11	0.237	22.23	23.50	1.340	0.318	/
	DSI2&3		Left Tilt	0	132322	1745	1	High	0.00	0.123	22.23	23.50	1.340	0.165	/
	DSI2&3		Right Cheek	0	132322	1745	1	High	0.05	0.612	22.23	23.50	1.340	0.820	/
	DSI2&3		Right Tilt	0	132322	1745	1	High	-0.09	0.140	22.23	23.50	1.340	0.188	/
	DSI2&3		Left Cheek	0	132322	1745	50	High	0.18	0.228	22.27	23.50	1.327	0.303	/
	DSI2&3		Left Tilt	0	132322	1745	50	High	-0.11	0.119	22.27	23.50	1.327	0.158	/
	DSI2&3		Right Cheek	0	132322	1745	50	High	0.15	0.596	22.27	23.50	1.327	0.791	/
	DSI2&3		Right Tilt	0	132322	1745	50	High	0.14	0.137	22.27	23.50	1.327	0.182	/
	DSI2&3		Right Cheek	0	132072	1720	1	Low	0.11	0.606	22.22	23.50	1.343	0.814	/
	DSI2&3		Right Cheek	0	132572	1770	1	Mid	0.16	0.527	22.20	23.50	1.349	0.711	/
	DSI2&3		Right Cheek	0	132322	1745	100	Low	0.01	0.565	22.26	23.50	1.330	0.751	/
	Ant.31#		DSI2&3	QPSK	Left Cheek	0	132322	1745	1	Low	0.14	0.086	23.29	24.50	1.321
DSI2&3		Left Tilt	0		132322	1745	1	Low	-0.03	0.049	23.29	24.50	1.321	0.065	/
DSI2&3		Right Cheek	0		132322	1745	1	Low	-0.18	0.060	23.29	24.50	1.321	0.079	/
DSI2&3		Right Tilt	0		132322	1745	1	Low	0.14	0.047	23.29	24.50	1.321	0.062	/
DSI2&3		Left Cheek	0		132322	1745	50	Low	0.09	0.069	22.25	23.50	1.334	0.092	/
DSI2&3		Left Tilt	0		132322	1745	50	Low	0.01	0.000	22.25	23.50	1.334	0.000	/
DSI2&3		Right Cheek	0		132322	1745	50	Low	-0.11	0.053	22.25	23.50	1.334	0.071	/
DSI2&3		Right Tilt	0		132322	1745	50	Low	-0.09	0.042	22.25	23.50	1.334	0.056	/
Body-worn															
Ant.13#	DSI4	QPSK	Front Side	15	132572	1770	1	High	-0.09	0.332	23.12	24.50	1.374	0.456	52#
	DSI4		Back Side	15	132572	1770	1	High	0.07	0.210	23.12	24.50	1.374	0.289	/
	DSI4		Front Side	15	132572	1770	50	Low	0.13	0.266	22.13	23.50	1.371	0.365	/

	DSI4		Back Side	15	132572	1770	50	Low	0.03	0.175	22.13	23.50	1.371	0.240	/
Ant.13#	DSI10	QPSK	Front Side	15	132572	1770	1	High	-0.11	0.142	19.43	21.00	1.435	0.204	/
	DSI10		Back Side	15	132572	1770	1	High	-0.12	0.093	19.43	21.00	1.435	0.133	/
	DSI10		Front Side	15	132572	1770	50	Low	0.10	0.139	19.50	21.00	1.413	0.196	/
	DSI10		Back Side	15	132572	1770	50	Low	-0.14	0.092	19.50	21.00	1.413	0.130	/
Ant.11#	DSI4	QPSK	Front Side	15	132322	1745	1	Low	0.07	0.088	22.94	24.50	1.432	0.126	/
	DSI4		Back Side	15	132322	1745	1	Low	0.04	0.112	22.94	24.50	1.432	0.160	/
	DSI4		Front Side	15	132322	1745	50	Low	0.07	0.071	21.92	23.50	1.439	0.102	/
	DSI4		Back Side	15	132322	1745	50	Low	0.18	0.089	21.92	23.50	1.439	0.128	/
Ant.11#	DSI9	QPSK	Front Side	15	132322	1745	1	Low	-0.02	0.056	21.30	22.50	1.318	0.074	/
	DSI9		Back Side	15	132322	1745	1	Low	0.15	0.071	21.30	22.50	1.318	0.094	/
	DSI9		Front Side	15	132322	1745	50	Low	-0.13	0.055	21.30	22.50	1.318	0.072	/
	DSI9		Back Side	15	132322	1745	50	Low	-0.02	0.069	21.30	22.50	1.318	0.091	/
Ant.31#	DSI4	QPSK	Front Side	15	132322	1745	1	Low	0.02	0.104	20.17	21.50	1.358	0.141	/
	DSI4		Back Side	15	132322	1745	1	Low	-0.12	0.168	20.17	21.50	1.358	0.228	/
	DSI4		Front Side	15	132322	1745	50	Low	-0.08	0.098	20.20	21.50	1.349	0.132	/
	DSI4		Back Side	15	132322	1745	50	Low	0.06	0.165	20.20	21.50	1.349	0.223	/
Ant.31#	DSI10	QPSK	Front Side	15	132322	1745	1	High	0.07	0.083	19.17	20.50	1.358	0.113	/
	DSI10		Back Side	15	132322	1745	1	High	-0.07	0.134	19.17	20.50	1.358	0.182	/
	DSI10		Front Side	15	132322	1745	50	Mid	-0.01	0.081	19.27	20.50	1.327	0.107	/
	DSI10		Back Side	15	132322	1745	50	Mid	-0.06	0.132	19.27	20.50	1.327	0.175	/
Hotspot															
Ant.13#	DSI10	QPSK	Front Side	10	132572	1770	1	High	-0.08	0.206	19.43	21.00	1.435	0.296	/
	DSI10		Back Side	10	132572	1770	1	High	-0.12	0.144	19.43	21.00	1.435	0.207	/
	DSI10		Right Edge	10	132572	1770	1	High	-0.07	0.047	19.43	21.00	1.435	0.067	/
	DSI10		Top Edge	10	132572	1770	1	High	-0.09	0.359	19.43	21.00	1.435	0.515	/
	DSI10		Front Side	10	132572	1770	50	Low	0.01	0.208	19.50	21.00	1.413	0.294	/
	DSI10		Back Side	10	132572	1770	50	Low	-0.05	0.148	19.50	21.00	1.413	0.209	/
	DSI10		Right Edge	10	132572	1770	50	Low	-0.06	0.050	19.50	21.00	1.413	0.071	/
	DSI10		Top Edge	10	132572	1770	50	Low	0.04	0.348	19.50	21.00	1.413	0.492	/
Ant.11#	DSI10	QPSK	Front Side	10	132322	1745	1	Low	0.00	0.126	21.30	22.50	1.318	0.166	/
	DSI10		Back Side	10	132322	1745	1	Low	-0.18	0.176	21.30	22.50	1.318	0.232	/
	DSI10		Right Edge	10	132322	1745	1	Low	-0.04	0.310	21.30	22.50	1.318	0.409	/
	DSI10		Top Edge	10	132322	1745	1	Low	0.05	0.033	21.30	22.50	1.318	0.043	/
	DSI10		Front Side	10	132322	1745	50	Low	0.16	0.125	21.30	22.50	1.318	0.165	/
	DSI10		Back Side	10	132322	1745	50	Low	-0.12	0.171	21.30	22.50	1.318	0.225	/
	DSI10		Right Edge	10	132322	1745	50	Low	-0.09	0.306	21.30	22.50	1.318	0.403	/
	DSI10		Top Edge	10	132322	1745	50	Low	-0.04	0.033	21.30	22.50	1.318	0.043	/
Ant.31#	DSI10	QPSK	Front Side	10	132322	1745	1	High	0.15	0.157	19.17	20.50	1.358	0.213	/
	DSI10		Back Side	10	132322	1745	1	High	-0.04	0.268	19.17	20.50	1.358	0.364	/
	DSI10		Left Edge	10	132322	1745	1	High	0.13	0.062	19.17	20.50	1.358	0.084	/
	DSI10		Right Edge	10	132322	1745	1	High	-0.03	0.032	19.17	20.50	1.358	0.043	/



	DSI10		Bottom Edge	10	132322	1745	1	High	-0.07	0.449	19.17	20.50	1.358	<b>0.610</b>	53#
	DSI10		Front Side	10	132322	1745	50	Mid	0.12	0.155	19.27	20.50	1.327	0.206	/
	DSI10		Back Side	10	132322	1745	50	Mid	-0.16	0.264	19.27	20.50	1.327	0.350	/
	DSI10		Left Edge	10	132322	1745	50	Mid	0.10	0.062	19.27	20.50	1.327	0.082	/
	DSI10		Right Edge	10	132322	1745	50	Mid	0.08	0.030	19.27	20.50	1.327	0.040	/
	DSI10		Bottom Edge	10	132322	1745	50	Mid	-0.04	0.440	19.27	20.50	1.327	0.584	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant.31#	DSI4	QPSK	Bottom Edge	0	132322	1745	1	Low	-0.14	1.890	20.17	21.50	1.358	2.567	/
	DSI4		Bottom Edge	0	132322	1745	50	Low	0.18	1.860	20.20	21.50	1.349	2.509	/
	DSI4		Bottom Edge	0	132072	1720	1	High	-0.04	2.000	20.07	21.50	1.390	2.780	54#
	DSI4		Bottom Edge	0	132572	1770	1	Mid	-0.03	1.910	19.97	21.50	1.422	2.716	/
	DSI4		Bottom Edge	0	132072	1720	50	Mid	-0.14	1.930	20.09	21.50	1.384	2.671	/
	DSI4		Bottom Edge	0	132572	1770	50	Mid	-0.03	1.980	20.03	21.50	1.403	2.778	/
	DSI4		Bottom Edge	0	132322	1745	100	Low	-0.03	1.920	20.13	21.50	1.371	2.632	/
Ant.31#	DSI10	QPSK	Bottom Edge	0	132322	1745	1	High	-0.08	1.450	19.17	20.50	1.358	1.969	/
	DSI10		Bottom Edge	0	132322	1745	50	Mid	-0.05	1.460	19.27	20.50	1.327	1.937	/
Senor(N-1)															
Ant.13#	DSI4	QPSK	Front Side	7	132572	1770	1	High	-0.10	0.399	23.12	24.50	1.374	0.548	/
	DSI4	QPSK	Back Side	11	132572	1770	1	High	-0.01	0.175	23.12	24.50	1.374	0.240	/
	DSI4	QPSK	Top Edge	13	132572	1770	1	High	0.01	0.306	23.12	24.50	1.374	0.420	/
	DSI4	QPSK	Front Side	7	132572	1770	50	Low	-0.11	0.319	22.13	23.50	1.371	0.437	/
	DSI4	QPSK	Back Side	11	132572	1770	50	Low	0.00	0.138	22.13	23.50	1.371	0.189	/
	DSI4	QPSK	Top Edge	13	132572	1770	50	Low	-0.06	0.245	22.13	23.50	1.371	0.336	/
Ant.11#	DSI4	QPSK	Front Side	3	132322	1745	1	Low	0.03	0.363	22.94	24.50	1.432	0.520	/
	DSI4	QPSK	Back Side	11	132322	1745	1	Low	0.08	0.140	22.94	24.50	1.432	0.200	/
	DSI4	QPSK	Right Edge	12	132322	1745	1	Low	0.01	0.201	22.94	24.50	1.432	0.288	/
	DSI4	QPSK	Front Side	3	132322	1745	50	Low	-0.01	0.283	21.92	23.50	1.439	0.407	/
	DSI4	QPSK	Back Side	11	132322	1745	50	Low	0.02	0.110	21.92	23.50	1.439	0.158	/
	DSI4	QPSK	Right Edge	12	132322	1745	50	Low	0.00	0.159	21.92	23.50	1.439	0.229	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.18 LTE Band 66 Worse case for CA Test

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head-CA															
Ant.13#	DSI2&3	QPSK	Right Tilt	0	132572 +132374	1770 +1750.2	1+1	Low +High	-0.05	0.632	15.76	17.50	1.493	0.944	/
Body-worn-CA															
Ant.13#	DSI4	QPSK	Front Side	15	132572 +132374	1770 +1750.2	1+1	Low +High	0.04	0.308	22.86	24.50	1.459	0.449	/
Hotspot-CA															
Ant.31#	DSI10	QPSK	Bottom Edge	10	132322 +132520	1745 +1764.8	1+1	High +Low	-0.09	0.425	19.12	20.50	1.374	0.584	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific-CA															
Ant.31#	DSI4	QPSK	Bottom Edge	0	132072 +132270	1720 +1739.8	1+1	High +Low	-0.13	1.870	20.12	21.50	1.374	2.569	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

## 11.19 LTE Band 38 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune -power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.13#	DSI2&3	QPSK	Left Cheek	0	38000	2595	1	Mid	0.03	0.214	15.50	16.70	1.318	0.282	/
	DSI2&3		Left Tilt	0	38000	2595	1	Mid	0.16	0.266	15.50	16.70	1.318	0.351	/
	DSI2&3		Right Cheek	0	38000	2595	1	Mid	-0.18	0.460	15.50	16.70	1.318	0.606	/
	DSI2&3		Right Tilt	0	38000	2595	1	Mid	0.10	0.613	15.50	16.70	1.318	0.808	/
	DSI2&3		Left Cheek	0	38000	2595	50	Low	0.10	0.203	15.52	16.70	1.312	0.266	/
	DSI2&3		Left Tilt	0	38000	2595	50	Low	-0.06	0.257	15.52	16.70	1.312	0.337	/
	DSI2&3		Right Cheek	0	38000	2595	50	Low	-0.04	0.454	15.52	16.70	1.312	0.596	/
	DSI2&3		Right Tilt	0	38000	2595	50	Low	0.01	0.595	15.52	16.70	1.312	0.781	/
	DSI2&3		Right Tilt	0	37850	2580	1	Mid	-0.01	0.674	15.34	16.70	1.368	0.922	/
	DSI2&3		Right Tilt	0	38150	2610	1	Low	0.12	0.571	15.19	16.70	1.416	0.809	/
	DSI2&3		Right Tilt	0	38000	2595	100	Low	0.08	0.579	15.50	16.70	1.318	0.763	/
Ant.11#	DSI2&3	QPSK	Left Cheek	0	38000	2595	1	Mid	0.17	0.258	20.05	21.20	1.303	0.336	/
	DSI2&3		Left Tilt	0	38000	2595	1	Mid	-0.16	0.065	20.05	21.20	1.303	0.085	/
	DSI2&3		Right Cheek	0	38000	2595	1	Mid	0.01	0.708	20.05	21.20	1.303	0.923	55#
	DSI2&3		Right Tilt	0	38000	2595	1	Mid	-0.05	0.124	20.05	21.20	1.303	0.162	/
	DSI2&3		Left Cheek	0	38000	2595	50	High	-0.06	0.258	20.13	21.20	1.279	0.330	/
	DSI2&3		Left Tilt	0	38000	2595	50	High	0.14	0.066	20.13	21.20	1.279	0.084	/
	DSI2&3		Right Cheek	0	38000	2595	50	High	0.09	0.704	20.13	21.20	1.279	0.900	/
	DSI2&3		Right Tilt	0	38000	2595	50	High	-0.10	0.118	20.13	21.20	1.279	0.151	/
	DSI2&3		Right Cheek	0	37850	2580	1	Mid	0.11	0.665	20.03	21.20	1.309	0.870	/
	DSI2&3		Right Cheek	0	38150	2610	1	Mid	0.13	0.649	19.91	21.20	1.346	0.874	/
	DSI2&3		Right Cheek	0	37850	2580	50	Mid	-0.11	0.656	20.13	21.20	1.279	0.839	/
	DSI2&3		Right Cheek	0	38150	2610	50	Mid	-0.05	0.638	20.05	21.20	1.303	0.831	/
	DSI2&3		Right Cheek	0	38000	2595	100	Low	0.15	0.643	20.12	21.20	1.282	0.824	/
Ant.31#	DSI2&3	QPSK	Left Cheek	0	38000	2595	1	Mid	-0.10	0.102	23.38	24.70	1.355	0.138	/
	DSI2&3		Left Tilt	0	38000	2595	1	Mid	-0.14	0.091	23.38	24.70	1.355	0.123	/
	DSI2&3		Right Cheek	0	38000	2595	1	Mid	-0.03	0.196	23.38	24.70	1.355	0.266	/
	DSI2&3		Right Tilt	0	38000	2595	1	Mid	-0.13	0.083	23.38	24.70	1.355	0.112	/
	DSI2&3		Left Cheek	0	38000	2595	50	High	-0.10	0.085	22.31	23.70	1.377	0.117	/
	DSI2&3		Left Tilt	0	38000	2595	50	High	-0.09	0.075	22.31	23.70	1.377	0.103	/
	DSI2&3		Right Cheek	0	38000	2595	50	High	-0.16	0.173	22.31	23.70	1.377	0.238	/
	DSI2&3		Right Tilt	0	38000	2595	50	High	-0.12	0.064	22.31	23.70	1.377	0.088	/
Body-worn															
Ant.13#	DSI4	QPSK	Front Side	15	38000	2595	1	Low	0.18	0.506	23.33	24.70	1.371	0.694	/
	DSI4		Back Side	15	38000	2595	1	Low	-0.02	0.578	23.33	24.70	1.371	0.792	56#
	DSI4		Front Side	15	38000	2595	50	Mid	-0.03	0.388	22.41	23.70	1.346	0.522	/

	DSI4		Back Side	15	38000	2595	50	Mid	0.15	0.569	22.41	23.70	1.346	0.766	/
Ant.13#	DSI10	QPSK	Front Side	15	38000	2595	1	Low	-0.10	0.141	16.92	18.20	1.343	0.189	/
	DSI10		Back Side	15	38000	2595	1	Low	0.05	0.208	16.92	18.20	1.343	0.279	/
	DSI10		Front Side	15	38000	2595	50	Mid	-0.15	0.136	17.02	18.20	1.312	0.178	/
	DSI10		Back Side	15	38000	2595	50	Mid	0.04	0.203	17.02	18.20	1.312	0.266	/
Ant.11#	DSI4	QPSK	Front Side	15	38000	2595	1	Mid	-0.06	0.147	23.54	24.70	1.306	0.192	/
	DSI4		Back Side	15	38000	2595	1	Mid	-0.18	0.216	23.54	24.70	1.306	0.282	/
	DSI4		Front Side	15	38000	2595	50	Mid	-0.03	0.120	22.61	23.70	1.285	0.154	/
	DSI4		Back Side	15	38000	2595	50	Mid	-0.17	0.179	22.61	23.70	1.285	0.230	/
Ant.11#	DSI9	QPSK	Front Side	15	38000	2595	1	Mid	0.12	0.046	18.95	19.70	1.189	0.055	/
	DSI9		Back Side	15	38000	2595	1	Mid	-0.10	0.068	18.95	19.70	1.189	0.081	/
	DSI9		Front Side	15	38000	2595	50	High	-0.17	0.047	19.06	19.70	1.159	0.054	/
	DSI9		Back Side	15	38000	2595	50	High	-0.02	0.070	19.06	19.70	1.159	0.081	/
Ant.31#	DSI4&10	QPSK	Front Side	15	38000	2595	1	Mid	0.18	0.117	23.38	24.70	1.355	0.159	/
	DSI4&10		Back Side	15	38000	2595	1	Mid	-0.13	0.176	23.38	24.70	1.355	0.238	/
	DSI4&10		Front Side	15	38000	2595	50	High	0.09	0.095	22.31	23.70	1.377	0.131	/
	DSI4&10		Back Side	15	38000	2595	50	High	-0.07	0.140	22.31	23.70	1.377	0.193	/
Hotspot															
Ant.13#	DSI10	QPSK	Front Side	10	38000	2595	1	Low	-0.13	0.145	16.92	18.20	1.343	0.195	/
	DSI10		Back Side	10	38000	2595	1	Low	-0.02	0.194	16.92	18.20	1.343	0.261	/
	DSI10		Right Edge	10	38000	2595	1	Low	-0.12	0.053	16.92	18.20	1.343	0.071	/
	DSI10		Top Edge	10	38000	2595	1	Low	-0.11	0.644	16.92	18.20	1.343	0.865	/
	DSI10		Front Side	10	38000	2595	50	Mid	0.11	0.140	17.02	18.20	1.312	0.184	/
	DSI10		Back Side	10	38000	2595	50	Mid	-0.01	0.201	17.02	18.20	1.312	0.264	/
	DSI10		Right Edge	10	38000	2595	50	Mid	0.05	0.054	17.02	18.20	1.312	0.071	/
	DSI10		Top Edge	10	38000	2595	50	Mid	-0.04	0.648	17.02	18.20	1.312	0.850	/
	DSI10		Top Edge	10	37850	2580	1	High	-0.09	0.708	16.85	18.20	1.365	0.966	57#
	DSI10		Top Edge	10	38150	2610	1	Low	0.11	0.582	16.72	18.20	1.406	0.818	/
	DSI10		Top Edge	10	37850	2580	50	Mid	-0.10	0.700	16.87	18.20	1.358	0.951	/
	DSI10		Top Edge	10	38150	2610	50	Low	-0.07	0.650	16.81	18.20	1.377	0.895	/
	DSI10		Top Edge	10	38000	2595	100	Low	0.13	0.654	16.99	18.20	1.321	0.864	/
	Ant.11#		DSI10	QPSK	Front Side	10	38000	2595	1	Mid	0.06	0.106	18.95	19.70	1.189
DSI10		Back Side	10		38000	2595	1	Mid	-0.14	0.168	18.95	19.70	1.189	0.200	/
DSI10		Right Edge	10		38000	2595	1	Mid	-0.08	0.405	18.95	19.70	1.189	0.482	/
DSI10		Top Edge	10		38000	2595	1	Mid	-0.05	0.026	18.95	19.70	1.189	0.031	/
DSI10		Front Side	10		38000	2595	50	High	0.07	0.105	19.06	19.70	1.159	0.122	/
DSI10		Back Side	10		38000	2595	50	High	0.16	0.163	19.06	19.70	1.159	0.189	/
DSI10		Right Edge	10		38000	2595	50	High	-0.05	0.412	19.06	19.70	1.159	0.478	/
DSI10		Top Edge	10		38000	2595	50	High	-0.15	0.027	19.06	19.70	1.159	0.031	/
Ant.31#	DSI10	QPSK	Front Side	10	38000	2595	1	Mid	-0.04	0.227	23.38	24.70	1.355	0.308	/
	DSI10		Back Side	10	38000	2595	1	Mid	0.01	0.365	23.38	24.70	1.355	0.495	/
	DSI10		Left Edge	10	38000	2595	1	Mid	0.18	0.121	23.38	24.70	1.355	0.164	/

	DSI10		Right Edge	10	38000	2595	1	Mid	0.00	0.081	23.38	24.70	1.355	0.110	/
	DSI10		Bottom Edge	10	38000	2595	1	Mid	-0.06	0.261	23.38	24.70	1.355	0.354	/
	DSI10		Front Side	10	38000	2595	50	High	0.04	0.226	22.31	23.70	1.377	0.311	/
	DSI10		Back Side	10	38000	2595	50	High	-0.08	0.348	22.31	23.70	1.377	0.479	/
	DSI10		Left Edge	10	38000	2595	50	High	-0.10	0.116	22.31	23.70	1.377	0.160	/
	DSI10		Right Edge	10	38000	2595	50	High	-0.18	0.078	22.31	23.70	1.377	0.107	/
	DSI10		Bottom Edge	10	38000	2595	50	High	0.18	0.246	22.31	23.70	1.377	0.339	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant.13#	DSI5	QPSK	Top Edge	0	38000	2595	1	Mid	0.09	2.010	20.90	22.20	1.349	2.711	/
	DSI5		Top Edge	0	38000	2595	50	Mid	-0.02	1.940	20.95	22.20	1.334	2.588	/
	DSI5		Top Edge	0	37850	2580	1	Low	0.00	2.040	20.80	22.20	1.380	2.815	58#
	DSI5		Top Edge	0	38150	2610	1	Low	-0.10	1.890	20.62	22.20	1.439	2.720	/
	DSI5		Top Edge	0	37850	2580	50	High	-0.14	2.010	20.84	22.20	1.368	2.750	/
	DSI5		Top Edge	0	38150	2610	50	Low	-0.06	1.930	20.69	22.20	1.416	2.733	/
	DSI5		Top Edge	0	38000	2595	100	Low	0.03	1.900	20.93	22.20	1.340	2.546	/
Ant.13#	DSI8	QPSK	Top Edge	0	38000	2595	1	Low	-0.13	0.801	16.92	18.20	1.343	1.076	/
	DSI8		Top Edge	0	38000	2595	50	Mid	0.14	0.799	17.02	18.20	1.312	1.048	/
Ant.11#	DSI5	QPSK	Right Edge	0	38000	2595	1	Mid	0.04	1.750	20.45	21.20	1.189	2.081	/
	DSI5		Right Edge	0	38000	2595	50	Mid	-0.13	1.700	20.53	21.20	1.167	1.984	/
	DSI5		Right Edge	0	37850	2580	1	Low	0.10	1.780	20.45	21.20	1.189	2.116	/
	DSI5		Right Edge	0	38150	2610	1	Mid	-0.02	1.880	20.34	21.20	1.219	2.292	/
	DSI5		Right Edge	0	37850	2580	100	Low	0.03	1.810	20.49	21.20	1.178	2.132	/
Ant.11#	DSI8	QPSK	Right Edge	0	38000	2595	1	Mid	-0.04	1.240	18.95	19.70	1.189	1.474	/
	DSI8		Right Edge	0	38000	2595	50	High	0.07	1.230	19.06	19.70	1.159	1.426	/
Senor(N-1)															
Ant.13#	DSI4	QPSK	Front Side	7	38000	2595	1	Low	0.05	0.437	23.33	24.70	1.371	0.599	/
	DSI4	QPSK	Back Side	11	38000	2595	1	Low	0.01	0.335	23.33	24.70	1.371	0.459	/
	DSI4	QPSK	Top Edge	13	38000	2595	1	Low	0.15	0.684	23.33	24.70	1.371	0.938	/
	DSI4	QPSK	Front Side	7	38000	2595	50	Mid	0.11	0.352	22.41	23.70	1.346	0.474	/
	DSI4	QPSK	Back Side	11	38000	2595	50	Mid	0.06	0.269	22.41	23.70	1.346	0.362	/
	DSI4	QPSK	Top Edge	13	38000	2595	50	Mid	-0.09	0.548	22.41	23.70	1.346	0.738	/
Ant.11#	DSI4	QPSK	Front Side	3	38000	2595	1	Mid	-0.01	0.554	23.54	24.70	1.306	0.724	/
	DSI4	QPSK	Back Side	11	38000	2595	1	Mid	-0.13	0.245	23.54	24.70	1.306	0.320	/
	DSI4	QPSK	Right Edge	12	38000	2595	1	Mid	-0.15	0.447	23.54	24.70	1.306	0.584	/
	DSI4	QPSK	Front Side	3	38000	2595	50	Mid	0.03	0.438	22.61	23.70	1.285	0.563	/
	DSI4	QPSK	Back Side	11	38000	2595	50	Mid	0.02	0.193	22.61	23.70	1.285	0.248	/
	DSI4	QPSK	Right Edge	12	38000	2595	50	Mid	-0.09	0.356	22.61	23.70	1.285	0.457	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

## 11.20 LTE Band 41 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.13#	DSI2&3	QPSK	Left Cheek	0	40620	2593	1	High	0.07	0.186	15.07	16.20	1.297	0.241	/
	DSI2&3		Left Tilt	0	40620	2593	1	High	-0.01	0.254	15.07	16.20	1.297	0.329	/
	DSI2&3		Right Cheek	0	40620	2593	1	High	0.16	0.390	15.07	16.20	1.297	0.506	/
	DSI2&3		Right Tilt	0	40620	2593	1	High	0.06	0.621	15.07	16.20	1.297	0.805	/
	DSI2&3		Left Cheek	0	40620	2593	50	High	0.11	0.181	15.15	16.20	1.274	0.231	/
	DSI2&3		Left Tilt	0	40620	2593	50	High	0.11	0.241	15.15	16.20	1.274	0.307	/
	DSI2&3		Right Cheek	0	40620	2593	50	High	0.08	0.375	15.15	16.20	1.274	0.478	/
	DSI2&3		Right Tilt	0	40620	2593	50	High	-0.04	0.610	15.15	16.20	1.274	0.777	/
	DSI2&3		Right Tilt	0	39750	2506	1	Low	0.03	0.598	14.85	16.20	1.365	0.816	/
	DSI2&3		Right Tilt	0	40185	2549.5	1	Mid	-0.02	0.667	14.97	16.20	1.327	<b>0.885</b>	59#
	DSI2&3		Right Tilt	0	41055	2636.5	1	Low	0.03	0.346	14.60	16.20	1.445	0.500	/
	DSI2&3		Right Tilt	0	41490	2680	1	High	-0.07	0.384	14.69	16.20	1.416	0.544	/
Ant.11#	DSI2&3	QPSK	Right Tilt	0	40620	2593	100	Low	0.16	0.519	15.12	16.20	1.282	0.665	/
	DSI2&3		Left Cheek	0	40620	2593	1	High	-0.03	0.229	20.02	20.70	1.169	0.268	/
	DSI2&3		Left Tilt	0	40620	2593	1	High	-0.04	0.063	20.02	20.70	1.169	0.074	/
	DSI2&3		Right Cheek	0	40620	2593	1	High	0.02	0.711	20.02	20.70	1.169	0.831	/
	DSI2&3		Right Tilt	0	40620	2593	1	High	-0.08	0.115	20.02	20.70	1.169	0.134	/
	DSI2&3		Left Cheek	0	40620	2593	50	High	0.09	0.225	19.87	20.70	1.211	0.272	/
	DSI2&3		Left Tilt	0	40620	2593	50	High	-0.16	0.062	19.87	20.70	1.211	0.075	/
	DSI2&3		Right Cheek	0	40620	2593	50	High	-0.03	0.680	19.87	20.70	1.211	0.823	/
	DSI2&3		Right Tilt	0	40620	2593	50	High	0.01	0.111	19.87	20.70	1.211	0.134	/
	DSI2&3		Right Cheek	0	39750	2506	1	High	-0.02	0.626	19.87	20.70	1.211	0.758	/
	DSI2&3		Right Cheek	0	40185	2549.5	1	High	-0.12	0.680	19.78	20.70	1.236	0.840	/
	DSI2&3		Right Cheek	0	41055	2636.5	1	High	-0.10	0.608	19.97	20.70	1.183	0.719	/
	DSI2&3		Right Cheek	0	41490	2680	1	High	-0.18	0.630	20.01	20.70	1.172	0.738	/
	DSI2&3		Right Cheek	0	39750	2506	50	Mid	0.18	0.624	19.77	20.70	1.239	0.773	/
	DSI2&3		Right Cheek	0	40185	2549.5	50	High	0.18	0.592	19.61	20.70	1.285	0.761	/
	DSI2&3		Right Cheek	0	41055	2636.5	50	Mid	0.03	0.612	19.86	20.70	1.213	0.742	/
	DSI2&3		Right Cheek	0	41490	2680	50	Mid	0.13	0.473	19.83	20.70	1.222	0.578	/
	DSI2&3		Right Cheek	0	40620	2593	100	Low	0.14	0.564	19.85	20.70	1.216	0.686	/
Ant.31#	DSI2&3	QPSK	Left Cheek	0	41490	2680	1	High	0.00	0.098	23.49	24.70	1.321	0.129	/
	DSI2&3		Left Tilt	0	41490	2680	1	High	0.01	0.079	23.49	24.70	1.321	0.104	/
	DSI2&3		Right Cheek	0	41490	2680	1	High	0.08	0.187	23.49	24.70	1.321	0.247	/
	DSI2&3		Right Tilt	0	41490	2680	1	High	-0.15	0.093	23.49	24.70	1.321	0.123	/
	DSI2&3		Left Cheek	0	41490	2680	50	Mid	-0.02	0.083	22.43	23.70	1.340	0.111	/
	DSI2&3		Left Tilt	0	41490	2680	50	Mid	-0.06	0.064	22.43	23.70	1.340	0.086	/

	DSI2&3		Right Cheek	0	41490	2680	50	Mid	-0.18	0.163	22.43	23.70	1.340	0.218	/
	DSI2&3		Right Tilt	0	41490	2680	50	Mid	-0.05	0.075	22.43	23.70	1.340	0.101	/
Body-worn															
Ant.13#	DSI4	QPSK	Front Side	15	41490	2680	1	Mid	0.13	0.284	22.50	23.70	1.318	0.374	/
	DSI4		Back Side	15	41490	2680	1	Mid	-0.01	0.418	22.50	23.70	1.318	0.551	60#
	DSI4		Front Side	15	41490	2680	50	High	0.17	0.273	22.34	23.70	1.368	0.373	/
	DSI4		Back Side	15	41490	2680	50	High	-0.18	0.401	22.34	23.70	1.368	0.549	/
Ant.13#	DSI10	QPSK	Front Side	15	41055	2636.5	1	High	0.15	0.035	16.65	17.70	1.274	0.045	/
	DSI10		Back Side	15	41055	2636.5	1	High	0.08	0.052	16.65	17.70	1.274	0.066	/
	DSI10		Front Side	15	41055	2636.5	50	Mid	0.18	0.033	16.69	17.70	1.262	0.042	/
	DSI10		Back Side	15	41055	2636.5	50	Mid	-0.18	0.050	16.69	17.70	1.262	0.063	/
Ant.11#	DSI4	QPSK	Front Side	15	40620	2593	1	High	0.07	0.137	23.56	24.70	1.300	0.178	/
	DSI4		Back Side	15	40620	2593	1	High	0.11	0.212	23.56	24.70	1.300	0.276	/
	DSI4		Front Side	15	40620	2593	50	Mid	-0.06	0.107	22.53	23.70	1.309	0.140	/
	DSI4		Back Side	15	40620	2593	50	Mid	-0.12	0.166	22.53	23.70	1.309	0.217	/
Ant.11#	DSI9	QPSK	Front Side	15	40620	2593	1	High	0.06	0.043	18.95	19.70	1.189	0.051	/
	DSI9		Back Side	15	40620	2593	1	High	0.08	0.067	18.95	19.70	1.189	0.080	/
	DSI9		Front Side	15	40620	2593	50	Mid	0.15	0.041	18.97	19.70	1.183	0.049	/
	DSI9		Back Side	15	40620	2593	50	Mid	-0.10	0.065	18.97	19.70	1.183	0.077	/
Ant.31#	DSI4&10	QPSK	Front Side	15	40620	2593	1	High	0.03	0.116	23.49	24.70	1.321	0.153	/
	DSI4&10		Back Side	15	40620	2593	1	High	-0.01	0.161	23.49	24.70	1.321	0.213	/
	DSI4&10		Front Side	15	40620	2593	50	Mid	0.17	0.091	22.43	23.70	1.340	0.122	/
	DSI4&10		Back Side	15	40620	2593	50	Mid	-0.18	0.126	22.43	23.70	1.340	0.169	/
Hotspot															
Ant.13#	DSI10	QPSK	Front Side	10	41055	2636.5	1	High	-0.03	0.118	16.65	17.70	1.274	0.150	/
	DSI10		Back Side	10	41055	2636.5	1	High	-0.06	0.142	16.65	17.70	1.274	0.181	/
	DSI10		Right Edge	10	41055	2636.5	1	High	-0.09	0.057	16.65	17.70	1.274	0.073	/
	DSI10		Top Edge	10	41055	2636.5	1	High	0.01	0.444	16.65	17.70	1.274	0.566	61#
	DSI10		Front Side	10	41055	2636.5	50	Mid	-0.08	0.114	16.69	17.70	1.262	0.144	/
	DSI10		Back Side	10	41055	2636.5	50	Mid	-0.10	0.138	16.69	17.70	1.262	0.174	/
	DSI10		Right Edge	10	41055	2636.5	50	Mid	0.02	0.055	16.69	17.70	1.262	0.069	/
	DSI10		Top Edge	10	41055	2636.5	50	Mid	-0.05	0.435	16.69	17.70	1.262	0.549	/
Ant.11#	DSI10	QPSK	Front Side	10	41055	2636.5	1	High	0.07	0.106	18.95	19.70	1.189	0.126	/
	DSI10		Back Side	10	41055	2636.5	1	High	0.01	0.158	18.95	19.70	1.189	0.188	/
	DSI10		Right Edge	10	41055	2636.5	1	High	0.16	0.395	18.95	19.70	1.189	0.470	/
	DSI10		Top Edge	10	41055	2636.5	1	High	0.17	0.028	18.95	19.70	1.189	0.033	/
	DSI10		Front Side	10	41055	2636.5	50	Mid	0.07	0.105	18.97	19.70	1.183	0.124	/
	DSI10		Back Side	10	41055	2636.5	50	Mid	-0.14	0.152	18.97	19.70	1.183	0.180	/
	DSI10		Right Edge	10	41055	2636.5	50	Mid	0.12	0.394	18.97	19.70	1.183	0.466	/
	DSI10		Top Edge	10	41055	2636.5	50	Mid	0.09	0.027	18.97	19.70	1.183	0.032	/
Ant.31#	DSI10	QPSK	Front Side	10	39750	2506	1	High	-0.06	0.243	23.49	24.70	1.321	0.321	/
	DSI10		Back Side	10	39750	2506	1	High	0.02	0.332	23.49	24.70	1.321	0.439	/



	DSI10		Left Edge	10	39750	2506	1	High	0.08	0.109	23.49	24.70	1.321	0.144	/
	DSI10		Right Edge	10	39750	2506	1	High	0.09	0.072	23.49	24.70	1.321	0.095	/
	DSI10		Bottom Edge	10	39750	2506	1	High	-0.17	0.168	23.49	24.70	1.321	0.222	/
	DSI10		Front Side	10	39750	2506	50	Mid	0.04	0.234	22.43	23.70	1.340	0.314	/
	DSI10		Back Side	10	39750	2506	50	Mid	0.18	0.327	22.43	23.70	1.340	0.438	/
	DSI10		Left Edge	10	39750	2506	50	Mid	-0.01	0.107	22.43	23.70	1.340	0.143	/
	DSI10		Right Edge	10	39750	2506	50	Mid	0.13	0.070	22.43	23.70	1.340	0.094	/
	DSI10		Bottom Edge	10	39750	2506	50	Mid	-0.08	0.162	22.43	23.70	1.340	0.217	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10g Meas SA R(W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant.13#	DSI5	QPSK	Top Edge	0	41055	2636.5	1	Mid	-0.17	1.710	19.00	20.20	1.318	2.254	/
	DSI5		Top Edge	0	41055	2636.5	50	Mid	0.01	1.690	19.07	20.20	1.297	2.192	/
	DSI5		Top Edge	0	39750	2506	1	Mid	0.05	1.800	18.56	20.20	1.459	2.626	62#
	DSI5		Top Edge	0	40185	2549.5	1	Mid	0.15	1.780	18.85	20.20	1.365	2.430	/
	DSI5		Top Edge	0	40620	2593	1	Low	-0.14	1.750	18.79	20.20	1.384	2.422	/
	DSI5		Top Edge	0	41490	2680	1	High	-0.07	1.430	18.68	20.20	1.419	2.029	/
	DSI5		Top Edge	0	39750	2506	50	Mid	-0.07	1.620	18.61	20.20	1.442	2.336	/
	DSI5		Top Edge	0	40185	2549.5	50	Mid	0.11	1.450	18.95	20.20	1.334	1.934	/
	DSI5		Top Edge	0	40620	2593	50	Mid	0.06	1.780	18.84	20.20	1.368	2.435	/
	DSI5		Top Edge	0	41490	2680	50	High	-0.14	1.720	18.64	20.20	1.432	2.463	/
	DSI5		Top Edge	0	41055	2636.5	100	Low	-0.15	1.590	19.06	20.20	1.300	2.067	/
Ant.13#	DSI8	QPSK	Top Edge	0	41055	2636.5	1	High	-0.07	0.803	16.65	17.70	1.274	1.023	/
	DSI8		Top Edge	0	41055	2636.5	50	Mid	-0.05	0.827	16.69	17.70	1.262	1.044	/
Ant.11#	DSI5	QPSK	Right Edge	0	41055	2636.5	1	High	-0.08	2.080	20.93	21.70	1.194	2.484	/
	DSI5		Right Edge	0	41055	2636.5	50	Mid	-0.05	1.980	20.95	21.70	1.189	2.354	/
	DSI5		Right Edge	0	39750	2506	1	Mid	0.14	1.960	20.75	21.70	1.245	2.440	/
	DSI5		Right Edge	0	40185	2549.5	1	Mid	0.13	2.010	20.62	21.70	1.282	2.577	/
	DSI5		Right Edge	0	40620	2593	1	High	-0.04	1.870	20.89	21.70	1.205	2.253	/
	DSI5		Right Edge	0	41490	2680	1	High	0.12	1.760	20.91	21.70	1.199	2.110	/
	DSI5		Right Edge	0	39750	2506	50	Mid	-0.17	1.980	20.80	21.70	1.230	2.435	/
	DSI5		Right Edge	0	40185	2549.5	50	High	-0.03	2.010	20.73	21.70	1.250	2.513	/
	DSI5		Right Edge	0	40620	2593	50	Mid	-0.11	1.960	20.94	21.70	1.191	2.334	/
	DSI5		Right Edge	0	41490	2680	50	Mid	-0.17	1.830	20.89	21.70	1.205	2.205	/
	DSI5		Right Edge	0	41055	2636.5	100	Low	-0.13	1.940	20.90	21.70	1.202	2.332	/
Ant.11#	DSI8	QPSK	Right Edge	0	41055	2636.5	1	High	-0.08	1.310	18.95	19.70	1.189	1.558	/
	DSI8		Right Edge	0	41055	2636.5	50	Mid	0.14	1.260	18.97	19.70	1.183	1.491	/
Senor(N-1)															
Ant.13#	DSI4	QPSK	Front Side	7	41490	2680	1	Mid	-0.05	0.368	22.50	23.70	1.318	0.485	/
	DSI4	QPSK	Back Side	11	41490	2680	1	Mid	-0.07	0.291	22.50	23.70	1.318	0.384	/
	DSI4	QPSK	Top Edge	13	41490	2680	1	Mid	0.11	0.579	22.50	23.70	1.318	0.763	/
	DSI4	QPSK	Front Side	7	41490	2680	50	High	0.10	0.365	22.34	23.70	1.368	0.499	/
	DSI4	QPSK	Back Side	11	41490	2680	50	High	0.13	0.293	22.34	23.70	1.368	0.401	/
	DSI4	QPSK	Top Edge	13	41490	2680	50	High	-0.07	0.581	22.34	23.70	1.368	0.795	/
Ant.11#	DSI4	QPSK	Front Side	3	40620	2593	1	High	-0.12	0.549	23.56	24.70	1.300	0.714	/
	DSI4	QPSK	Back Side	11	40620	2593	1	High	-0.11	0.239	23.56	24.70	1.300	0.311	/
	DSI4	QPSK	Right Edge	12	40620	2593	1	High	-0.05	0.452	23.56	24.70	1.300	0.588	/

	DSI4	QPSK	Front Side	3	40620	2593	50	Mid	-0.10	0.439	22.53	23.70	1.309	0.575	/
	DSI4	QPSK	Back Side	11	40620	2593	50	Mid	-0.08	0.192	22.53	23.70	1.309	0.251	/
	DSI4	QPSK	Right Edge	12	40620	2593	50	Mid	-0.13	0.358	22.53	23.70	1.309	0.469	/

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

### 11.21 LTE Band 41 Worse case for CA Test

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
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Head-CA

Ant.13#	DSI2&3	QPSK	Right Tilt	0	40185 +40383	2549.5 +2569.3	1+1	High +Low	0.06	0.648	14.95	16.20	1.334	0.864	/
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Body-worn-CA

Ant.13#	DSI4	QPSK	Back Side	15	41490 +41292	2680 +2660.2	1+1	Low +High	-0.09	0.403	22.42	23.70	1.343	0.541	/
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Hotspot-CA

Ant.13#	DSI10	QPSK	Top Edge	10	41055 +41253	2636.5 +2656.3	1+1	High +Low	-0.11	0.424	16.49	17.70	1.321	0.560	/
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Note: Refer to ANNEX C for the detailed test data for each test configuration.

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
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Specific-CA

Ant.13#	DSI5	QPSK	Top Edge	0	39750 +39948	2506 +2525.8	1+1	High +Low	-0.03	1.680	18.45	20.20	1.496	2.513	/
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Note: Refer to ANNEX C for the detailed test data for each test configuration.

## 11.22 n2 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.13#	DSI2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	372000	1860	1	1	-0.15	0.429	17.44	18.00	1.138	0.488	/
	DSI2&3			Left Tilt	0	372000	1860	1	1	0.00	0.539	17.44	18.00	1.138	0.613	/
	DSI2&3			Right Cheek	0	372000	1860	1	1	0.14	0.647	17.44	18.00	1.138	0.736	/
	DSI2&3			Right Tilt	0	372000	1860	1	1	-0.06	0.724	17.44	18.00	1.138	0.824	/
	DSI2&3			Left Cheek	0	380000	1900	50	0	-0.10	0.423	17.61	18.00	1.094	0.463	/
	DSI2&3			Left Tilt	0	380000	1900	50	0	-0.14	0.535	17.61	18.00	1.094	0.585	/
	DSI2&3			Right Cheek	0	380000	1900	50	0	0.08	0.641	17.61	18.00	1.094	0.701	/
	DSI2&3			Right Tilt	0	380000	1900	50	0	-0.12	0.734	17.61	18.00	1.094	0.803	/
	DSI2&3			Right Tilt	0	376000	1880	1	104	-0.16	0.689	17.37	18.00	1.156	0.796	/
	DSI2&3			Right Tilt	0	380000	1900	1	1	0.09	0.770	17.29	18.00	1.178	0.907	63#
	DSI2&3			Right Tilt	0	372000	1860	50	56	0.10	0.603	17.45	18.00	1.135	0.684	/
	DSI2&3			Right Tilt	0	376000	1880	50	0	-0.16	0.666	17.44	18.00	1.138	0.758	/
	DSI2&3			Right Tilt	0	372000	1860	100	0	0.07	0.000	17.42	18.00	1.143	0.000	/
	Ant.31#			DSI2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	376000	1880	1	53	0.14	0.072	23.40	24.50
DSI2&3		Left Tilt	0	376000			1880	1	53	-0.08	0.065	23.40	24.50	1.288	0.084	/
DSI2&3		Right Cheek	0	376000			1880	1	53	-0.11	0.119	23.40	24.50	1.288	0.153	/
DSI2&3		Right Tilt	0	376000			1880	1	53	0.08	0.057	23.40	24.50	1.288	0.073	/
DSI2&3		Left Cheek	0	380000			1900	50	28	-0.10	0.062	23.50	24.50	1.259	0.078	/
DSI2&3		Left Tilt	0	380000			1900	50	28	-0.02	0.058	23.50	24.50	1.259	0.073	/
DSI2&3		Right Cheek	0	380000			1900	50	28	0.12	0.112	23.50	24.50	1.259	0.141	/
DSI2&3		Right Tilt	0	380000			1900	50	28	-0.07	0.048	23.50	24.50	1.259	0.060	/
Body-worn																
Ant.13#	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	372000	1860	1	1	0.10	0.210	23.37	24.50	1.297	0.272	/
	DSI4			Back Side	15	372000	1860	1	1	0.01	0.156	23.37	24.50	1.297	0.202	/
	DSI4			Front Side	15	372000	1860	50	0	0.11	0.192	23.42	24.50	1.282	0.246	/
	DSI4			Back Side	15	372000	1860	50	0	0.10	0.139	23.42	24.50	1.282	0.178	/
Ant.13#	DSI10	DFT-s-OFDM BPSK	SA	Front Side	15	380000	1900	1	104	-0.15	0.086	19.63	20.50	1.222	0.105	/
	DSI10			Back Side	15	380000	1900	1	104	-0.15	0.063	19.63	20.50	1.222	0.077	/
	DSI10			Front Side	15	376000	1880	50	28	0.14	0.083	19.51	20.50	1.256	0.104	/
	DSI10			Back Side	15	376000	1880	50	28	0.05	0.062	19.51	20.50	1.256	0.078	/
Ant.31#	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	376000	1880	1	1	-0.09	0.176	22.29	23.00	1.178	0.207	/
	DSI4			Back Side	15	376000	1880	1	1	-0.03	0.321	22.29	23.00	1.178	0.378	64#
	DSI4			Front Side	15	376000	1880	50	28	0.13	0.172	22.37	23.00	1.156	0.199	/
	DSI4			Back Side	15	376000	1880	50	28	0.15	0.318	22.37	23.00	1.156	0.368	/
Ant.31#	DSI10	DFT-s-OFDM BPSK	SA	Front Side	15	372000	1860	1	1	-0.05	0.126	20.79	21.50	1.178	0.148	/
	DSI10			Back Side	15	372000	1860	1	1	-0.01	0.224	20.79	21.50	1.178	0.264	/

	DSI10	OFDM		Front Side	15	372000	1860	50	0	0.01	0.128	21.19	21.50	1.074	0.137	/
	DSI10	BPSK		Back Side	15	372000	1860	50	0	0.01	0.226	21.19	21.50	1.074	0.243	/
Hotspot																
Ant.13#	DSI10	DFT-s-OFDM	SA	Front Side	10	380000	1900	1	104	0.01	0.179	19.63	20.50	1.222	0.219	/
	DSI10			Back Side	10	380000	1900	1	104	-0.01	0.134	19.63	20.50	1.222	0.164	/
	DSI10			Right Edge	10	380000	1900	1	104	0.14	0.041	19.63	20.50	1.222	0.050	/
	DSI10			Top Edge	10	380000	1900	1	104	-0.18	0.345	19.63	20.50	1.222	0.422	/
	DSI10			Front Side	10	376000	1880	50	28	-0.13	0.171	19.51	20.50	1.256	0.215	/
	DSI10			Back Side	10	376000	1880	50	28	0.06	0.121	19.51	20.50	1.256	0.152	/
	DSI10			Right Edge	10	376000	1880	50	28	-0.09	0.043	19.51	20.50	1.256	0.054	/
	DSI10			Top Edge	10	376000	1880	50	28	-0.04	0.327	19.51	20.50	1.256	0.411	/
Ant.31#	DSI10	DFT-s-OFDM	SA	Front Side	10	372000	1860	1	1	-0.16	0.240	20.79	21.50	1.178	0.283	/
	DSI10			Back Side	10	372000	1860	1	1	-0.01	0.479	20.79	21.50	1.178	0.564	/
	DSI10			Left Edge	10	372000	1860	1	1	-0.11	0.158	20.79	21.50	1.178	0.186	/
	DSI10			Right Edge	10	372000	1860	1	1	0.09	0.006	20.79	21.50	1.178	0.007	/
	DSI10			Bottom Edge	10	372000	1860	1	1	0.08	0.654	20.79	21.50	1.178	0.770	/
	DSI10			Front Side	10	372000	1860	50	0	0.02	0.246	21.19	21.50	1.074	0.264	/
	DSI10			Back Side	10	372000	1860	50	0	0.14	0.496	21.19	21.50	1.074	0.533	/
	DSI10			Left Edge	10	372000	1860	50	0	0.09	0.161	21.19	21.50	1.074	0.173	/
	DSI10			Right Edge	10	372000	1860	50	0	-0.02	0.006	21.19	21.50	1.074	0.006	/
	DSI10			Bottom Edge	10	372000	1860	50	0	-0.03	0.723	21.19	21.50	1.074	0.777	65#
	Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																
Ant.31#	DSI4	DFT-s-	SA	Bottom Edge	0	376000	1880	1	1	-0.04	1.530	22.29	23.00	1.178	1.802	66#
	DSI4	OFDM BPSK		Bottom Edge	0	376000	1880	50	28	0.05	1.510	22.37	23.00	1.156	1.746	/
Ant.31#	DSI10	DFT-s-	SA	Bottom Edge	0	372000	1860	1	1	-0.03	1.050	20.79	21.50	1.178	1.237	/
	DSI10	OFDM BPSK		Bottom Edge	0	372000	1860	50	0	-0.01	1.030	21.19	21.50	1.074	1.106	/
Senor(N-1)																
Ant.13#	DSI4	DFT-s-OFDM BPSK	SA	Front Side	7	372000	1860	1	1	-0.09	0.386	23.37	24.50	1.297	0.501	/
	DSI4			Back Side	11	372000	1860	1	1	0.05	0.182	23.37	24.50	1.297	0.236	/
	DSI4			Top Edge	13	372000	1860	1	1	-0.12	0.330	23.37	24.50	1.297	0.428	/
	DSI4			Front Side	7	372000	1860	50	0	0.05	0.382	23.42	24.50	1.282	0.490	/
	DSI4			Back Side	11	372000	1860	50	0	-0.02	0.179	23.42	24.50	1.282	0.229	/
	DSI4			Top Edge	13	372000	1860	50	0	-0.10	0.332	23.42	24.50	1.282	0.426	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

## 11.23 n5 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.13#	DSI2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	167800	839	1	53	0.15	0.383	22.18	23.00	1.208	0.463	/
	DSI2&3			Left Tilt	0	167800	839	1	53	-0.02	0.403	22.18	23.00	1.208	0.487	/
	DSI2&3			Right Cheek	0	167800	839	1	53	-0.06	0.634	22.18	23.00	1.208	<b>0.766</b>	67#
	DSI2&3			Right Tilt	0	167800	839	1	53	-0.04	0.575	22.18	23.00	1.208	0.695	/
	DSI2&3			Left Cheek	0	167800	839	50	0	-0.13	0.380	22.19	23.00	1.205	0.458	/
	DSI2&3			Left Tilt	0	167800	839	50	0	-0.02	0.401	22.19	23.00	1.205	0.483	/
	DSI2&3			Right Cheek	0	167800	839	50	0	-0.04	0.624	22.19	23.00	1.205	0.752	/
	DSI2&3			Right Tilt	0	167800	839	50	0	0.04	0.568	22.19	23.00	1.205	0.684	/
Ant.31#	DSI2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	167800	839	1	53	-0.03	0.100	24.26	25.00	1.186	0.119	/
	DSI2&3			Left Tilt	0	167800	839	1	53	-0.11	0.053	24.26	25.00	1.186	0.063	/
	DSI2&3			Right Cheek	0	167800	839	1	53	-0.15	0.076	24.26	25.00	1.186	0.090	/
	DSI2&3			Right Tilt	0	167800	839	1	53	0.03	0.046	24.26	25.00	1.186	0.055	/
	DSI2&3			Left Cheek	0	166800	834	50	28	-0.06	0.094	24.19	25.00	1.205	0.113	/
	DSI2&3			Left Tilt	0	166800	834	50	28	0.14	0.052	24.19	25.00	1.205	0.063	/
	DSI2&3			Right Cheek	0	166800	834	50	28	0.00	0.066	24.19	25.00	1.205	0.080	/
	DSI2&3			Right Tilt	0	166800	834	50	28	-0.02	0.044	24.19	25.00	1.205	0.053	/
Body-worn																
Ant.13#	DSI4&10	DFT-s-OFDM BPSK	SA	Front Side	15	167800	839	1	1	-0.07	0.125	24.26	25.00	1.186	0.148	/
	DSI4&10			Back Side	15	167800	839	1	1	-0.01	0.140	24.26	25.00	1.186	<b>0.166</b>	68#
	DSI4&10			Front Side	15	167800	839	50	28	-0.01	0.109	24.11	25.00	1.227	0.134	/
	DSI4&10			Back Side	15	167800	839	50	28	-0.11	0.121	24.11	25.00	1.227	0.148	/
Ant.31#	DSI4&10	DFT-s-OFDM	SA	Front Side	15	167800	839	1	53	-0.06	0.055	24.26	25.00	1.186	0.065	/
	DSI4&10	BPSK		Back Side	15	167800	839	1	53	-0.08	0.095	24.26	25.00	1.186	0.113	/

	DSI4&10			Front Side	15	166800	834	50	28	-0.07	0.052	24.19	25.00	1.205	0.063	/
	DSI4&10			Back Side	15	166800	834	50	28	-0.10	0.088	24.19	25.00	1.205	0.106	/
Hotspot																
Ant.13#	DSI10	DFT-s-OFDM BPSK	SA	Front Side	10	167800	839	1	1	0.06	0.155	24.26	25.00	1.186	0.184	/
	DSI10			Back Side	10	167800	839	1	1	-0.05	0.133	24.26	25.00	1.186	0.158	/
	DSI10			Right Edge	10	167800	839	1	1	0.09	0.070	24.26	25.00	1.186	0.083	/
	DSI10			Top Edge	10	167800	839	1	1	-0.09	0.194	24.26	25.00	1.186	0.230	69#
	DSI10			Front Side	10	167800	839	50	28	-0.16	0.137	24.11	25.00	1.227	0.168	/
	DSI10			Back Side	10	167800	839	50	28	0.07	0.119	24.11	25.00	1.227	0.146	/
	DSI10			Right Edge	10	167800	839	50	28	-0.03	0.061	24.11	25.00	1.227	0.075	/
	DSI10			Top Edge	10	167800	839	50	28	-0.08	0.186	24.11	25.00	1.227	0.228	/
Ant.31#	DSI10	DFT-s-OFDM BPSK	SA	Front Side	10	167800	839	1	53	0.12	0.072	24.26	25.00	1.186	0.085	/
	DSI10			Back Side	10	167800	839	1	53	0.07	0.185	24.26	25.00	1.186	0.219	/
	DSI10			Left Edge	10	167800	839	1	53	-0.11	0.012	24.26	25.00	1.186	0.014	/
	DSI10			Right Edge	10	167800	839	1	53	0.02	0.064	24.26	25.00	1.186	0.076	/
	DSI10			Bottom Edge	10	167800	839	1	53	0.12	0.134	24.26	25.00	1.186	0.159	/
	DSI10			Front Side	10	166800	834	50	28	-0.05	0.072	24.19	25.00	1.205	0.087	/
	DSI10			Back Side	10	166800	834	50	28	0.11	0.177	24.19	25.00	1.205	0.213	/
	DSI10			Left Edge	10	166800	834	50	28	0.05	0.013	24.19	25.00	1.205	0.016	/
	DSI10			Right Edge	10	166800	834	50	28	-0.11	0.057	24.19	25.00	1.205	0.069	/
	DSI10			Bottom Edge	10	166800	834	50	28	0.07	0.136	24.19	25.00	1.205	0.164	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																



## 11.24 n7 (40MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.13#	DSI2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	510000	2550	1	108	0.15	0.323	12.91	13.50	1.146	0.370	/
	DSI2&3			Left Tilt	0	510000	2550	1	108	-0.03	0.403	12.91	13.50	1.146	0.462	/
	DSI2&3			Right Cheek	0	510000	2550	1	108	-0.13	0.636	12.91	13.50	1.146	0.729	/
	DSI2&3			Right Tilt	0	510000	2550	1	108	-0.10	0.779	12.91	13.50	1.146	<b>0.893</b>	70#
	DSI2&3			Left Cheek	0	510000	2550	108	54	0.07	0.316	12.97	13.50	1.130	0.357	/
	DSI2&3			Left Tilt	0	510000	2550	108	54	0.10	0.394	12.97	13.50	1.130	0.445	/
	DSI2&3			Right Cheek	0	510000	2550	108	54	0.10	0.606	12.97	13.50	1.130	0.685	/
	DSI2&3			Right Tilt	0	510000	2550	108	54	-0.14	0.759	12.97	13.50	1.130	0.858	/
	DSI2&3			Right Tilt	0	504000	2520	1	108	0.04	0.725	12.65	13.50	1.216	0.882	/
	DSI2&3			Right Tilt	0	507000	2535	1	108	0.07	0.730	12.74	13.50	1.191	0.869	/
	DSI2&3			Right Tilt	0	504000	2520	108	0	0.06	0.726	12.73	13.50	1.194	0.867	/
	DSI2&3			Right Tilt	0	507000	2535	108	0	0.09	0.747	12.85	13.50	1.161	0.867	/
	DSI2&3			Right Tilt	0	507000	2535	216	0	-0.13	0.737	12.85	13.50	1.161	0.856	/
	Ant.11#			DSI2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	507000	2535	1	214	-0.01	0.242	17.27	18.50
DSI2&3		Left Tilt	0	507000			2535	1	214	-0.10	0.062	17.27	18.50	1.327	0.082	/
DSI2&3		Right Cheek	0	507000			2535	1	214	-0.12	0.567	17.27	18.50	1.327	0.752	/
DSI2&3		Right Tilt	0	507000			2535	1	214	-0.16	0.101	17.27	18.50	1.327	0.134	/
DSI2&3		Left Cheek	0	507000			2535	108	108	-0.03	0.227	17.26	18.50	1.330	0.302	/
DSI2&3		Left Tilt	0	507000			2535	108	108	0.06	0.060	17.26	18.50	1.330	0.080	/
DSI2&3		Right Cheek	0	507000			2535	108	108	0.11	0.563	17.26	18.50	1.330	0.749	/
DSI2&3		Right Tilt	0	507000			2535	108	108	-0.05	0.100	17.26	18.50	1.330	0.133	/
Ant.31#	DSI2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	507000	2535	1	214	-0.05	0.149	23.28	24.50	1.324	0.197	/
	DSI2&3			Left Tilt	0	507000	2535	1	214	-0.10	0.139	23.28	24.50	1.324	0.184	/
	DSI2&3			Right Cheek	0	507000	2535	1	214	-0.07	0.240	23.28	24.50	1.324	0.318	/
	DSI2&3			Right Tilt	0	507000	2535	1	214	0.11	0.116	23.28	24.50	1.324	0.154	/
	DSI2&3			Left Cheek	0	504000	2520	108	0	-0.04	0.133	23.32	24.50	1.312	0.174	/
	DSI2&3			Left Tilt	0	504000	2520	108	0	0.11	0.119	23.32	24.50	1.312	0.156	/
	DSI2&3			Right Cheek	0	504000	2520	108	0	-0.06	0.204	23.32	24.50	1.312	0.268	/
	DSI2&3			Right Tilt	0	504000	2520	108	0	0.13	0.101	23.32	24.50	1.312	0.133	/
Body-worn																
Ant.13#	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	507000	2535	1	1	-0.08	0.499	21.32	22.00	1.169	0.583	/
	DSI4			Back Side	15	507000	2535	1	1	-0.05	0.676	21.32	22.00	1.169	<b>0.790</b>	71#
	DSI4			Front Side	15	507000	2535	108	0	0.06	0.491	21.31	22.00	1.172	0.575	/
	DSI4			Back Side	15	507000	2535	108	0	0.10	0.659	21.31	22.00	1.172	0.772	/
Ant.13#	DSI10		SA	Front Side	15	504000	2520	1	1	-0.06	0.086	13.95	14.50	1.135	0.098	/
	DSI10			Back Side	15	504000	2520	1	1	-0.04	0.117	13.95	14.50	1.135	0.133	/

	DSI10	DFT-s-		Front Side	15	510000	2550	108	0	-0.14	0.085	13.91	14.50	1.146	0.097	/
	DSI10	OFDM BPSK		Back Side	15	510000	2550	108	0	0.10	0.114	13.91	14.50	1.146	0.131	/
Ant.11#	DSI4	DFT-s-	SA	Front Side	15	507000	2535	1	1	-0.14	0.181	23.61	24.50	1.227	0.222	/
	DSI4	OFDM		Back Side	15	507000	2535	1	1	-0.14	0.244	23.61	24.50	1.227	0.299	/
	DSI4	BPSK		Front Side	15	507000	2535	108	0	0.02	0.159	23.64	24.50	1.219	0.194	/
	DSI4	BPSK		Back Side	15	507000	2535	108	0	0.00	0.221	23.64	24.50	1.219	0.269	/
Ant.11#	DSI9	DFT-s-	SA	Front Side	15	507000	2535	1	214	0.01	0.045	18.04	18.50	1.112	0.050	/
	DSI9	OFDM		Back Side	15	507000	2535	1	214	-0.06	0.061	18.04	18.50	1.112	0.068	/
	DSI9	BPSK		Front Side	15	507000	2535	108	108	-0.04	0.044	17.99	18.50	1.125	0.050	/
	DSI9	BPSK		Back Side	15	507000	2535	108	108	0.02	0.059	17.99	18.50	1.125	0.066	/
Ant.31#	DSI4&10	DFT-s-	SA	Front Side	15	510000	2550	1	108	-0.04	0.103	21.92	22.50	1.143	0.118	/
	DSI4&10	OFDM		Back Side	15	510000	2550	1	108	-0.02	0.164	21.92	22.50	1.143	0.187	/
	DSI4&10	BPSK		Front Side	15	510000	2550	108	0	0.04	0.096	21.69	22.50	1.205	0.116	/
	DSI4&10	BPSK		Back Side	15	510000	2550	108	0	-0.07	0.154	21.69	22.50	1.205	0.186	/
Hotspot																
Ant.13#	DSI10	DFT-s- OFDM BPSK	SA	Front Side	10	504000	2520	1	1	0.01	0.170	13.95	14.50	1.135	0.193	/
	DSI10			Back Side	10	504000	2520	1	1	-0.01	0.213	13.95	14.50	1.135	0.242	/
	DSI10			Right Edge	10	504000	2520	1	1	0.06	0.034	13.95	14.50	1.135	0.039	/
	DSI10			Top Edge	10	504000	2520	1	1	-0.14	0.708	13.95	14.50	1.135	0.804	/
	DSI10			Front Side	10	510000	2550	108	0	-0.13	0.168	13.91	14.50	1.146	0.193	/
	DSI10			Back Side	10	510000	2550	108	0	-0.06	0.210	13.91	14.50	1.146	0.241	/
	DSI10			Right Edge	10	510000	2550	108	0	-0.08	0.030	13.91	14.50	1.146	0.034	/
	DSI10			Top Edge	10	510000	2550	108	0	0.01	0.701	13.91	14.50	1.146	0.803	/
	DSI10			Top Edge	10	507000	2535	1	108	0.02	0.692	13.84	14.50	1.164	0.805	/
	DSI10			Top Edge	10	510000	2550	1	214	-0.06	0.720	13.87	14.50	1.156	<b>0.832</b>	72#
	DSI10			Top Edge	10	504000	2520	108	54	-0.09	0.641	13.89	14.50	1.151	0.738	/
	DSI10			Top Edge	10	507000	2535	108	0	-0.13	0.685	13.89	14.50	1.151	0.788	/
	DSI10			Top Edge	10	507000	2535	216	0	-0.14	0.693	13.87	14.50	1.156	0.801	/
	Ant.11#			DSI10	DFT-s- OFDM BPSK	SA	Front Side	10	507000	2535	1	108	-0.11	0.114	18.04	18.50
DSI10		Back Side	10	507000			2535	1	108	0.00	0.154	18.04	18.50	1.112	0.171	/
DSI10		Right Edge	10	507000			2535	1	108	0.16	0.426	18.04	18.50	1.112	0.474	/
DSI10		Top Edge	10	507000			2535	1	108	0.05	0.077	18.04	18.50	1.112	0.086	/
DSI10		Front Side	10	507000			2535	108	0	0.06	0.111	17.99	18.50	1.125	0.125	/
DSI10		Back Side	10	507000			2535	108	0	0.00	0.152	17.99	18.50	1.125	0.171	/
DSI10		Right Edge	10	507000			2535	108	0	-0.08	0.418	17.99	18.50	1.125	0.470	/
DSI10		Top Edge	10	507000			2535	108	0	-0.06	0.074	17.99	18.50	1.125	0.083	/
Ant.31#	DSI10	DFT-s- OFDM BPSK	SA	Front Side	10	510000	2550	1	108	0.05	0.224	21.92	22.50	1.143	0.256	/
	DSI10			Back Side	10	510000	2550	1	108	-0.15	0.390	21.92	22.50	1.143	0.446	/
	DSI10			Left Edge	10	510000	2550	1	108	0.08	0.209	21.92	22.50	1.143	0.239	/
	DSI10			Right Edge	10	510000	2550	1	108	-0.01	0.029	21.92	22.50	1.143	0.033	/
	DSI10			Bottom Edge	10	510000	2550	1	108	0.00	0.245	21.92	22.50	1.143	0.280	/
	DSI10			Front Side	10	510000	2550	108	0	-0.02	0.217	21.69	22.50	1.205	0.261	/

	DSI10			Back Side	10	510000	2550	108	0	0.12	0.386	21.69	22.50	1.205	0.465	/
	DSI10			Left Edge	10	510000	2550	108	0	0.13	0.193	21.69	22.50	1.205	0.233	/
	DSI10			Right Edge	10	510000	2550	108	0	0.14	0.026	21.69	22.50	1.205	0.031	/
	DSI10			Bottom Edge	10	510000	2550	108	0	-0.07	0.226	21.69	22.50	1.205	0.272	/

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

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																
Ant.13#	DSI5	DFT-s-OFDM BPSK	SA	Back Side	0	510000	2550	1	214	0.08	1.380	18.45	19.00	1.135	1.566	/
	DSI5			Top Edge	0	510000	2550	1	214	-0.03	2.380	18.45	19.00	1.135	2.701	73#
	DSI5			Back Side	0	504000	2520	108	0	-0.02	1.320	18.39	19.00	1.151	1.519	/
	DSI5			Top Edge	0	504000	2520	108	0	0.06	2.150	18.39	19.00	1.151	2.475	/
	DSI5			Top Edge	0	504000	2520	1	108	-0.02	2.150	18.28	19.00	1.180	2.537	/
	DSI5			Top Edge	0	507000	2535	1	108	0.12	2.060	18.40	19.00	1.148	2.365	/
	DSI5			Top Edge	0	507000	2535	108	0	-0.15	2.020	18.21	19.00	1.199	2.422	/
	DSI5			Top Edge	0	510000	2550	108	0	-0.16	1.960	18.20	19.00	1.202	2.356	/
	DSI5			Top Edge	0	510000	2550	216	0	-0.12	2.040	18.27	19.00	1.183	2.413	/
Ant.13#	DSI8	DFT-s-OFDM BPSK	SA	Back Side	0	504000	2520	1	1	0.02	0.485	13.95	14.50	1.135	0.550	/
	DSI8			Top Edge	0	504000	2520	1	1	0.07	0.842	13.95	14.50	1.135	0.956	/
	DSI8			Back Side	0	510000	2550	108	0	0.15	0.479	13.91	14.50	1.146	0.549	/
	DSI8			Top Edge	0	510000	2550	108	0	-0.16	0.815	13.91	14.50	1.146	0.934	/
Ant.11#	DSI5	DFT-s-OFDM BPSK	SA	Right Edge	0	507000	2535	1	108	0.15	2.060	19.04	19.50	1.112	2.291	/
	DSI5			Right Edge	0	510000	2550	108	0	0.08	1.990	19.11	19.50	1.094	2.177	/
	DSI5			Right Edge	0	504000	2520	1	1	0.04	2.010	18.92	19.50	1.143	2.297	/
	DSI5			Right Edge	0	510000	2550	1	108	-0.10	2.100	19.01	19.50	1.119	2.350	/
	DSI5			Right Edge	0	504000	2520	108	54	-0.03	1.870	18.91	19.50	1.146	2.143	/
	DSI5			Right Edge	0	507000	2535	108	108	0.07	1.980	19.05	19.50	1.109	2.196	/
	DSI5			Right Edge	0	504000	2520	216	0	0.09	1.930	18.84	19.50	1.164	2.247	/
Ant.11#	DSI8	DFT-s-OFDM BPSK	SA	Right Edge	0	507000	2535	1	108	0.07	1.570	18.04	18.50	1.112	1.746	/
	DSI8			Right Edge	0	507000	2535	108	0	-0.02	1.510	17.99	18.50	1.125	1.699	/
Senor(N-1)																
Ant.13#	DSI4	DFT-s-OFDM BPSK	SA	Front Side	7	507000	2535	1	1	0.09	0.568	21.32	22.00	1.169	0.664	/
	DSI4			Back Side	11	507000	2535	1	1	0.12	0.430	21.32	22.00	1.169	0.503	/
	DSI4			Top Edge	13	507000	2535	1	1	0.08	0.902	21.32	22.00	1.169	1.054	/
	DSI4			Front Side	7	507000	2535	108	0	0.08	0.559	21.31	22.00	1.172	0.655	/
	DSI4			Back Side	11	507000	2535	108	0	0.10	0.428	21.31	22.00	1.172	0.502	/
	DSI4			Top Edge	13	507000	2535	108	0	-0.08	0.876	21.31	22.00	1.172	1.027	/
Ant.11#	DSI4		SA	Front Side	3	507000	2535	1	1	0.10	0.727	23.61	24.50	1.227	0.892	/
	DSI4			Back Side	11	507000	2535	1	1	0.15	0.265	23.61	24.50	1.227	0.325	/

	DSI4	DFT-s-OFDM BPSK		Right Edge	12	507000	2535	1	1	0.01	0.575	23.61	24.50	1.227	0.706	/
	DSI4			Front Side	3	507000	2535	108	0	0.05	0.721	23.64	24.50	1.219	0.879	/
	DSI4			Back Side	11	507000	2535	108	0	0.14	0.263	23.64	24.50	1.219	0.321	/
	DSI4			Right Edge	12	507000	2535	108	0	0.00	0.569	23.64	24.50	1.219	0.694	/

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

## 11.25 n26 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.13#	DSI2&3	DFT-s-OFDM	SA	Left Cheek	0	167800	839	1	1	-0.12	0.370	22.06	23.00	1.242	0.460	/
	DSI2&3			Left Tilt	0	167800	839	1	1	0.03	0.398	22.06	23.00	1.242	0.494	/
	DSI2&3			Right Cheek	0	167800	839	1	1	-0.04	0.636	22.06	23.00	1.242	0.790	74#
	DSI2&3			Right Tilt	0	167800	839	1	1	0.04	0.580	22.06	23.00	1.242	0.720	/
	DSI2&3			Left Cheek	0	167800	839	50	0	0.01	0.333	22.15	23.00	1.216	0.405	/
	DSI2&3			Left Tilt	0	167800	839	50	0	0.03	0.374	22.15	23.00	1.216	0.455	/
	DSI2&3			Right Cheek	0	167800	839	50	0	0.04	0.592	22.15	23.00	1.216	0.720	/
	DSI2&3			Right Tilt	0	167800	839	50	0	0.12	0.530	22.15	23.00	1.216	0.644	/
Ant.31#	DSI2&3	DFT-s-OFDM	SA	Left Cheek	0	167800	839	1	104	-0.11	0.086	24.38	25.00	1.153	0.099	/
	DSI2&3			Left Tilt	0	167800	839	1	104	-0.04	0.045	24.38	25.00	1.153	0.052	/
	DSI2&3			Right Cheek	0	167800	839	1	104	-0.11	0.055	24.38	25.00	1.153	0.063	/
	DSI2&3			Right Tilt	0	167800	839	1	104	-0.08	0.035	24.38	25.00	1.153	0.040	/
	DSI2&3			Left Cheek	0	164800	824	50	28	0.08	0.082	23.89	25.00	1.291	0.106	/
	DSI2&3			Left Tilt	0	164800	824	50	28	0.06	0.034	23.89	25.00	1.291	0.044	/
	DSI2&3			Right Cheek	0	164800	824	50	28	0.09	0.059	23.89	25.00	1.291	0.076	/
	DSI2&3			Right Tilt	0	164800	824	50	28	0.10	0.033	23.89	25.00	1.291	0.043	/
Body-worn																
Ant.13#	DSI4&10	DFT-s-OFDM	SA	Front Side	15	167800	839	1	1	-0.01	0.128	24.11	25.00	1.227	0.157	/
	DSI4&10	s-BPSK		Back Side	15	167800	839	1	1	-0.05	0.151	24.11	25.00	1.227	0.185	75#
	DSI4&10	OFDM		Front Side	15	164800	824	50	28	0.04	0.122	24.09	25.00	1.233	0.150	/
	DSI4&10	BPSK		Back Side	15	164800	824	50	28	0.02	0.136	24.09	25.00	1.233	0.168	/
Ant.31#	DSI4&10	DFT-s-OFDM	SA	Front Side	15	166300	831.5	1	104	-0.12	0.061	24.38	25.00	1.153	0.070	/
	DSI4&10	s-BPSK		Back Side	15	166300	831.5	1	104	0.01	0.077	24.38	25.00	1.153	0.089	/
	DSI4&10	OFDM		Front Side	15	164800	824	50	28	-0.01	0.060	23.89	25.00	1.291	0.077	/
	DSI4&10	BPSK		Back Side	15	164800	824	50	28	-0.16	0.077	23.89	25.00	1.291	0.099	/
Hotspot																
Ant.13#	DSI10	DFT-s-OFDM	SA	Front Side	10	167800	839	1	1	-0.06	0.161	24.11	25.00	1.227	0.198	/
	DSI10			Back Side	10	167800	839	1	1	-0.01	0.141	24.11	25.00	1.227	0.173	/
	DSI10			Right Edge	10	167800	839	1	1	0.05	0.084	24.11	25.00	1.227	0.103	/
	DSI10			Top Edge	10	167800	839	1	1	-0.06	0.193	24.11	25.00	1.227	0.237	76#
	DSI10			Front Side	10	164800	824	50	28	0.03	0.152	24.09	25.00	1.233	0.187	/
	DSI10			Back Side	10	164800	824	50	28	-0.11	0.128	24.09	25.00	1.233	0.158	/
	DSI10			Right Edge	10	164800	824	50	28	0.05	0.072	24.09	25.00	1.233	0.089	/
	DSI10			Top Edge	10	164800	824	50	28	-0.04	0.179	24.09	25.00	1.233	0.221	/
Ant.31#	DSI10	DFT-s-OFDM	SA	Front Side	10	166300	831.5	1	104	-0.16	0.090	24.38	25.00	1.153	0.104	/
	DSI10	s-BPSK		Back Side	10	166300	831.5	1	104	0.02	0.191	24.38	25.00	1.153	0.220	/

	DSI10	OFDM BPSK		Left Edge	10	166300	831.5	1	104	-0.14	0.023	24.38	25.00	1.153	0.027	/
	DSI10			Right Edge	10	166300	831.5	1	104	-0.06	0.084	24.38	25.00	1.153	0.097	/
	DSI10			Bottom Edge	10	166300	831.5	1	104	-0.15	0.163	24.38	25.00	1.153	0.188	/
	DSI10			Front Side	10	164800	824	50	28	-0.03	0.088	23.89	25.00	1.291	0.114	/
	DSI10			Back Side	10	164800	824	50	28	-0.07	0.181	23.89	25.00	1.291	0.234	/
	DSI10			Left Edge	10	164800	824	50	28	0.02	0.024	23.89	25.00	1.291	0.031	/
	DSI10			Right Edge	10	164800	824	50	28	-0.11	0.078	23.89	25.00	1.291	0.101	/
	DSI10			Bottom Edge	10	164800	824	50	28	-0.04	0.146	23.89	25.00	1.291	0.188	/
	DSI10															

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

## 11.26 n66 (40MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.13#	DSI2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	352000	1760	1	108	-0.14	0.461	18.02	18.50	1.117	0.515	/
	DSI2&3			Left Tilt	0	352000	1760	1	108	-0.06	0.612	18.02	18.50	1.117	0.684	/
	DSI2&3			Right Cheek	0	352000	1760	1	108	-0.10	0.711	18.02	18.50	1.117	0.794	/
	DSI2&3			Right Tilt	0	352000	1760	1	108	-0.16	0.851	18.02	18.50	1.117	0.951	77#
	DSI2&3			Left Cheek	0	346000	1730	108	108	0.10	0.479	18.25	18.50	1.059	0.507	/
	DSI2&3			Left Tilt	0	346000	1730	108	108	0.10	0.595	18.25	18.50	1.059	0.630	/
	DSI2&3			Right Cheek	0	346000	1730	108	108	0.10	0.693	18.25	18.50	1.059	0.734	/
	DSI2&3			Right Tilt	0	346000	1730	108	108	0.11	0.795	18.25	18.50	1.059	0.842	/
	DSI2&3			Right Tilt	0	346000	1730	1	108	0.04	0.803	17.97	18.50	1.130	0.907	/
	DSI2&3			Right Tilt	0	349000	1745	1	1	-0.09	0.832	17.98	18.50	1.127	0.938	/
	DSI2&3			Right Tilt	0	349000	1745	108	108	0.07	0.793	18.22	18.50	1.067	0.846	/
	DSI2&3			Right Tilt	0	352000	1760	108	0	0.07	0.782	18.02	18.50	1.117	0.873	/
	DSI2&3			Right Tilt	0	346000	1730	216	0	0.04	0.802	18.05	18.50	1.109	0.889	/
	Ant.11#			DSI2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	349000	1745	1	1	0.01	0.316	22.41	23.00
DSI2&3		Left Tilt	0	349000			1745	1	1	-0.03	0.187	22.41	23.00	1.146	0.214	/
DSI2&3		Right Cheek	0	349000			1745	1	1	0.11	0.740	22.41	23.00	1.146	0.848	/
DSI2&3		Right Tilt	0	349000			1745	1	1	-0.06	0.176	22.41	23.00	1.146	0.202	/
DSI2&3		Left Cheek	0	346000			1730	108	0	0.07	0.314	22.45	23.00	1.135	0.356	/
DSI2&3		Left Tilt	0	346000			1730	108	0	-0.03	0.178	22.45	23.00	1.135	0.202	/
DSI2&3		Right Cheek	0	346000			1730	108	0	0.03	0.749	22.45	23.00	1.135	0.850	/
DSI2&3		Right Tilt	0	346000			1730	108	0	-0.01	0.175	22.45	23.00	1.135	0.199	/
DSI2&3		Right Cheek	0	346000			1730	1	214	0.15	0.724	22.25	23.00	1.189	0.861	/
DSI2&3		Right Cheek	0	352000			1760	1	214	0.09	0.754	22.34	23.00	1.164	0.878	/
DSI2&3		Right Cheek	0	349000			1745	108	108	0.09	0.721	22.21	23.00	1.199	0.864	/
DSI2&3		Right Cheek	0	352000			1760	108	54	0.15	0.725	22.21	23.00	1.199	0.869	/
DSI2&3		Right Cheek	0	352000			1760	216	0	0.13	0.734	22.28	23.00	1.180	0.866	/
Ant.31#		DSI2&3	DFT-s-OFDM BPSK	SA			Left Cheek	0	346000	1730	1	214	0.06	0.069	23.22	24.50
	DSI2&3	Left Tilt			0	346000	1730	1	214	-0.15	0.043	23.22	24.50	1.343	0.058	/
	DSI2&3	Right Cheek			0	346000	1730	1	214	0.11	0.075	23.22	24.50	1.343	0.101	/
	DSI2&3	Right Tilt			0	346000	1730	1	214	-0.04	0.047	23.22	24.50	1.343	0.063	/
	DSI2&3	Left Cheek			0	346000	1730	108	108	0.14	0.061	23.28	24.50	1.324	0.081	/
	DSI2&3	Left Tilt			0	346000	1730	108	108	0.13	0.042	23.28	24.50	1.324	0.056	/
	DSI2&3	Right Cheek			0	346000	1730	108	108	-0.02	0.079	23.28	24.50	1.324	0.105	/
	DSI2&3	Right Tilt			0	346000	1730	108	108	0.14	0.043	23.28	24.50	1.324	0.057	/
Body-worn																
Ant.13#	DSI4		SA	Front Side	15	352000	1760	1	1	-0.06	0.251	23.58	24.50	1.236	0.310	78#

	DSI4	DFT-s-		Back Side	15	352000	1760	1	1	0.10	0.181	23.58	24.50	1.236	0.224	/
	DSI4	OFDM		Front Side	15	346000	1730	108	0	0.13	0.227	23.55	24.50	1.245	0.283	/
	DSI4	BPSK		Back Side	15	346000	1730	108	0	0.04	0.171	23.55	24.50	1.245	0.213	/
Ant.13#	DSI10	DFT-s-	SA	Front Side	15	349000	1745	1	1	-0.13	0.110	20.66	21.00	1.081	0.119	/
	DSI10	OFDM		Back Side	15	349000	1745	1	1	-0.13	0.079	20.66	21.00	1.081	0.085	/
	DSI10	BPSK		Front Side	15	349000	1745	108	0	-0.08	0.105	20.58	21.00	1.102	0.116	/
	DSI10	BPSK		Back Side	15	349000	1745	108	0	0.11	0.078	20.58	21.00	1.102	0.086	/
Ant.11#	DSI4	DFT-s-	SA	Front Side	15	349000	1745	1	1	-0.09	0.098	23.41	24.50	1.285	0.126	/
	DSI4	OFDM		Back Side	15	349000	1745	1	1	-0.06	0.128	23.41	24.50	1.285	0.164	/
	DSI4	BPSK		Front Side	15	349000	1745	108	0	0.02	0.087	23.35	24.50	1.303	0.113	/
	DSI4	BPSK		Back Side	15	349000	1745	108	0	-0.11	0.126	23.35	24.50	1.303	0.164	/
Ant.11#	DSI9	DFT-s-	SA	Front Side	15	349000	1745	1	1	0.07	0.064	22.08	22.50	1.102	0.071	/
	DSI9	OFDM		Back Side	15	349000	1745	1	1	0.06	0.080	22.08	22.50	1.102	0.088	/
	DSI9	BPSK		Front Side	15	352000	1760	108	0	-0.10	0.061	21.88	22.50	1.153	0.070	/
	DSI9	BPSK		Back Side	15	352000	1760	108	0	0.15	0.080	21.88	22.50	1.153	0.092	/
Ant.31#	DSI4	DFT-s-	SA	Front Side	15	349000	1745	1	1	-0.09	0.099	20.85	21.50	1.161	0.115	/
	DSI4	OFDM		Back Side	15	349000	1745	1	1	0.04	0.158	20.85	21.50	1.161	0.183	/
	DSI4	BPSK		Front Side	15	352000	1760	108	0	0.09	0.095	21.07	21.50	1.104	0.105	/
	DSI4	BPSK		Back Side	15	352000	1760	108	0	-0.09	0.152	21.07	21.50	1.104	0.168	/
Ant.31#	DSI10	DFT-s-	SA	Front Side	15	349000	1745	1	1	0.04	0.077	20.06	20.50	1.107	0.085	/
	DSI10	OFDM		Back Side	15	349000	1745	1	1	-0.16	0.126	20.06	20.50	1.107	0.139	/
	DSI10	BPSK		Front Side	15	346000	1730	108	54	-0.06	0.075	19.85	20.50	1.161	0.087	/
	DSI10	BPSK		Back Side	15	346000	1730	108	54		0.121	19.85	20.50	1.161	0.140	/
Hotspot																
Ant.13#	DSI10	DFT-s- OFDM BPSK	SA	Front Side	10	349000	1745	1	1	-0.13	0.224	20.66	21.00	1.081	0.242	/
	Back Side			10	349000	1745	1	1	0.00	0.151	20.66	21.00	1.081	0.163	/	
	Right Edge			10	349000	1745	1	1	-0.08	0.072	20.66	21.00	1.081	0.078	/	
	Top Edge			10	349000	1745	1	1	0.04	0.377	20.66	21.00	1.081	0.408	/	
	Front Side			10	349000	1745	108	0	-0.04	0.216	20.58	21.00	1.102	0.238	/	
	Back Side			10	349000	1745	108	0	-0.16	0.148	20.58	21.00	1.102	0.163	/	
	Right Edge			10	349000	1745	108	0	-0.12	0.069	20.58	21.00	1.102	0.076	/	
	Top Edge			10	349000	1745	108	0	0.10	0.364	20.58	21.00	1.102	0.401	/	
Ant.11#	DSI10	DFT-s- OFDM BPSK	SA	Front Side	10	349000	1745	1	1	-0.04	0.136	22.08	22.50	1.102	0.150	/
	Back Side			10	349000	1745	1	1	-0.16	0.188	22.08	22.50	1.102	0.207	/	
	Right Edge			10	349000	1745	1	1	-0.05	0.311	22.08	22.50	1.102	0.343	/	
	Top Edge			10	349000	1745	1	1	-0.06	0.049	22.08	22.50	1.102	0.054	/	
	Front Side			10	352000	1760	108	0	-0.02	0.134	21.88	22.50	1.153	0.155	/	
	Back Side			10	352000	1760	108	0	-0.15	0.185	21.88	22.50	1.153	0.213	/	
	Right Edge			10	352000	1760	108	0	0.08	0.302	21.88	22.50	1.153	0.348	/	
	Top Edge			10	352000	1760	108	0	-0.01	0.044	21.88	22.50	1.153	0.051	/	
Ant.31#	DSI10	DFT-s-	SA	Front Side	10	349000	1745	1	1	0.12	0.197	20.06	20.50	1.107	0.218	/
	DSI10	OFDM		Back Side	10	349000	1745	1	1	-0.09	0.329	20.06	20.50	1.107	0.364	/
	DSI10	BPSK		Left Edge	10	349000	1745	1	1	0.13	0.092	20.06	20.50	1.107	0.102	/



	DSI10			Right Edge	10	349000	1745	1	1	-0.14	0.016	20.06	20.50	1.107	0.018	/
	DSI10			Bottom Edge	10	349000	1745	1	1	0.14	0.503	20.06	20.50	1.107	0.557	/
	DSI10			Front Side	10	352000	1760	108	54	0.13	0.183	19.85	20.50	1.161	0.212	/
	DSI10			Back Side	10	352000	1760	108	54	-0.04	0.308	19.85	20.50	1.161	0.358	/
	DSI10			Left Edge	10	352000	1760	108	54	0.01	0.089	19.85	20.50	1.161	0.103	/
	DSI10			Right Edge	10	352000	1760	108	54	-0.01	0.015	19.85	20.50	1.161	0.017	/
	DSI10			Bottom Edge	10	352000	1760	108	54	-0.15	0.497	19.85	20.50	1.161	0.577	79#

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

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Senor(N-1)																
Ant.13#	DSI4	DFT-s-OFDM BPSK	SA	Front Side	7	352000	1760	1	1	-0.13	0.413	23.58	24.50	1.236	0.510	/
	DSI4			Back Side	11	352000	1760	1	1	0.08	0.194	23.58	24.50	1.236	0.240	/
	DSI4			Top Edge	13	352000	1760	1	1	-0.02	0.307	23.58	24.50	1.236	0.379	/
	DSI4			Front Side	7	346000	1730	108	0	-0.15	0.410	23.55	24.50	1.245	0.510	/
	DSI4			Back Side	11	346000	1730	108	0	0.11	0.192	23.55	24.50	1.245	0.239	/
	DSI4			Top Edge	13	346000	1730	108	0	0.11	0.309	23.55	24.50	1.245	0.385	/
Ant.11#	DSI4	DFT-s-OFDM BPSK	SA	Front Side	3	349000	1745	1	1	-0.03	0.408	23.41	24.50	1.285	0.524	/
	DSI4			Back Side	11	349000	1745	1	1	0.04	0.149	23.41	24.50	1.285	0.191	/
	DSI4			Right Edge	12	349000	1745	1	1	0.06	0.225	23.41	24.50	1.285	0.289	/
	DSI4			Front Side	3	349000	1745	108	0	0.15	0.396	23.35	24.50	1.303	0.516	/
	DSI4			Back Side	11	349000	1745	108	0	0.15	0.148	23.35	24.50	1.303	0.193	/
	DSI4			Right Edge	12	349000	1745	108	0	-0.05	0.221	23.35	24.50	1.303	0.288	/

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

## 11.27 n38 (40MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune- power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.13#	DSI2&3	DFT-s- OFDM BPSK	SA	Left Cheek	0	519000	2595	1	1	0.00	0.169	13.18	14.00	1.208	0.204	/
	DSI2&3			Left Tilt	0	519000	2595	1	1	0.01	0.235	13.18	14.00	1.208	0.284	/
	DSI2&3			Right Cheek	0	519000	2595	1	1	-0.04	0.342	13.18	14.00	1.208	0.413	/
	DSI2&3			Right Tilt	0	519000	2595	1	1	0.01	0.460	13.18	14.00	1.208	0.556	/
	DSI2&3			Left Cheek	0	520000	2600	50	0	0.06	0.164	13.23	14.00	1.194	0.196	/
	DSI2&3			Left Tilt	0	520000	2600	50	0	-0.09	0.228	13.23	14.00	1.194	0.272	/
	DSI2&3			Right Cheek	0	520000	2600	50	0	0.02	0.332	13.23	14.00	1.194	0.396	/
	DSI2&3			Right Tilt	0	520000	2600	50	0	0.10	0.448	13.23	14.00	1.194	0.535	/
Ant.11#	DSI2&3	DFT-s- OFDM BPSK	SA	Left Cheek	0	520000	2600	1	1	-0.09	0.186	17.77	18.50	1.183	0.220	/
	DSI2&3			Left Tilt	0	520000	2600	1	1	-0.13	0.052	17.77	18.50	1.183	0.062	/
	DSI2&3			Right Cheek	0	520000	2600	1	1	-0.14	0.685	17.77	18.50	1.183	0.810	/
	DSI2&3			Right Tilt	0	520000	2600	1	1	-0.06	0.113	17.77	18.50	1.183	0.134	/
	DSI2&3			Left Cheek	0	519000	2595	50	0	0.01	0.183	17.66	18.50	1.213	0.222	/
	DSI2&3			Left Tilt	0	519000	2595	50	0	-0.08	0.052	17.66	18.50	1.213	0.063	/
	DSI2&3			Right Cheek	0	519000	2595	50	0	0.13	0.666	17.66	18.50	1.213	0.808	/
	DSI2&3			Right Tilt	0	519000	2595	50	0	0.01	0.110	17.66	18.50	1.213	0.133	/
	DSI2&3			Right Cheek	0	518000	2590	1	104	0.02	0.683	17.73	18.50	1.194	<b>0.816</b>	80#
	DSI2&3			Right Cheek	0	519000	2595	1	104	-0.10	0.666	17.71	18.50	1.199	0.799	/
	DSI2&3			Right Cheek	0	518000	2590	50	28	-0.02	0.658	17.62	18.50	1.225	0.806	/
	DSI2&3			Right Cheek	0	520000	2600	50	56	0.09	0.640	17.62	18.50	1.225	0.784	/
	DSI2&3			Right Cheek	0	518000	2590	100	0	-0.01	0.642	17.74	18.50	1.191	0.765	/
	Ant.31#			DSI2&3	DFT-s- OFDM BPSK	SA	Left Cheek	0	518000	2590	1	53	0.00	0.165	23.57	24.50
DSI2&3		Left Tilt	0	518000			2590	1	53	0.06	0.156	23.57	24.50	1.239	0.193	/
DSI2&3		Right Cheek	0	518000			2590	1	53	-0.11	0.228	23.57	24.50	1.239	0.282	/
DSI2&3		Right Tilt	0	518000			2590	1	53	-0.08	0.075	23.57	24.50	1.239	0.093	/
DSI2&3		Left Cheek	0	520000			2600	50	28	-0.09	0.152	23.39	24.50	1.291	0.196	/
DSI2&3		Left Tilt	0	520000			2600	50	28	0.01	0.140	23.39	24.50	1.291	0.181	/
DSI2&3		Right Cheek	0	520000			2600	50	28	0.04	0.203	23.39	24.50	1.291	0.262	/
DSI2&3		Right Tilt	0	520000			2600	50	28	-0.09	0.067	23.39	24.50	1.291	0.086	/
Body-worn																
Ant.13#	DSI4	DFT-s- OFDM BPSK	SA	Front Side	15	518000	2590	1	104	-0.07	0.249	21.22	22.00	1.197	0.298	/
	DSI4			Back Side	15	518000	2590	1	104	0.03	0.344	21.22	22.00	1.197	0.412	/
	DSI4			Front Side	15	520000	2600	50	56	0.06	0.239	21.19	22.00	1.205	0.288	/
	DSI4			Back Side	15	520000	2600	50	56	-0.11	0.339	21.19	22.00	1.205	0.408	/
Ant.13#	DSI10		SA	Front Side	15	520000	2600	1	53	-0.04	0.057	14.82	15.50	1.169	0.067	/
	DSI10			Back Side	15	520000	2600	1	53	0.11	0.076	14.82	15.50	1.169	0.089	/

	DSI10	DFT-s-		Front Side	15	518000	2590	50	0	0.03	0.055	14.73	15.50	1.194	0.066	/
	DSI10	OFDM BPSK		Back Side	15	518000	2590	50	0	-0.13	0.074	14.73	15.50	1.194	0.088	/
Ant.11#	DSI4	DFT-s-	SA	Front Side	15	520000	2600	1	1	0.13	0.326	23.65	24.50	1.216	0.396	/
	DSI4	OFDM		Back Side	15	520000	2600	1	1	-0.03	0.507	23.65	24.50	1.216	<b>0.617</b>	81#
	DSI4	BPSK		Front Side	15	519000	2595	50	56	-0.01	0.287	23.55	24.50	1.245	0.357	/
	DSI4	Back Side		15	519000	2595	50	56	-0.11	0.415	23.55	24.50	1.245	0.517	/	
Ant.11#	DSI9	DFT-s-	SA	Front Side	15	518000	2590	1	1	0.02	0.060	16.51	17.00	1.119	0.067	/
	DSI9	OFDM		Back Side	15	518000	2590	1	1	0.07	0.090	16.51	17.00	1.119	0.101	/
	DSI9	BPSK		Front Side	15	520000	2600	50	56	-0.04	0.058	16.45	17.00	1.135	0.066	/
	DSI9	Back Side		15	520000	2600	50	56	0.10	0.087	16.45	17.00	1.135	0.099	/	
Ant.31#	DSI4	DFT-s-	SA	Front Side	15	519000	2595	1	1	-0.06	0.096	21.55	22.50	1.245	0.120	/
	DSI4	OFDM		Back Side	15	519000	2595	1	1	0.09	0.212	21.55	22.50	1.245	0.264	/
	DSI4	BPSK		Front Side	15	518000	2590	50	56	0.05	0.094	21.59	22.50	1.233	0.116	/
	DSI4	Back Side		15	518000	2590	50	56	-0.01	0.206	21.59	22.50	1.233	0.254	/	
Ant.31#	DSI10	DFT-s-	SA	Front Side	15	519000	2595	1	1	-0.02	0.077	20.50	21.50	1.259	0.097	/
	DSI10	OFDM		Back Side	15	519000	2595	1	1	-0.01	0.169	20.50	21.50	1.259	0.213	/
	DSI10	BPSK		Front Side	15	520000	2600	50	56	0.08	0.075	20.52	21.50	1.253	0.094	/
	DSI10	Back Side		15	520000	2600	50	56	-0.01	0.161	20.52	21.50	1.253	0.202	/	
Hotspot																
Ant.13#	DSI10	DFT-s- OFDM BPSK	SA	Front Side	10	520000	2600	1	53	-0.04	0.151	14.82	15.50	1.169	0.177	/
	DSI10			Back Side	10	520000	2600	1	53	-0.13	0.199	14.82	15.50	1.169	0.233	/
	DSI10			Right Edge	10	520000	2600	1	53	0.00	0.048	14.82	15.50	1.169	0.056	/
	DSI10			Top Edge	10	520000	2600	1	53	0.02	0.690	14.82	15.50	1.169	0.807	/
	DSI10			Front Side	10	518000	2590	50	0	0.13	0.148	14.73	15.50	1.194	0.177	/
	DSI10			Back Side	10	518000	2590	50	0	-0.04	0.204	14.73	15.50	1.194	0.244	/
	DSI10			Right Edge	10	518000	2590	50	0	0.11	0.050	14.73	15.50	1.194	0.060	/
	DSI10			Top Edge	10	518000	2590	50	0	0.06	0.682	14.73	15.50	1.194	0.814	/
	DSI10			Top Edge	10	518000	2590	1	104	0.09	0.682	14.69	15.50	1.205	<b>0.822</b>	82#
	DSI10			Top Edge	10	519000	2595	1	1	0.04	0.629	14.78	15.50	1.180	0.742	/
	DSI10			Top Edge	10	519000	2595	50	28	0.12	0.657	14.66	15.50	1.213	0.797	/
	DSI10			Top Edge	10	520000	2600	50	0	0.02	0.638	14.64	15.50	1.219	0.778	/
	DSI10			Top Edge	10	520000	2600	100	0	0.11	0.676	14.82	15.50	1.169	0.790	/
	Ant.11#			DSI10	DFT-s-	SA	Front Side	10	518000	2590	1	1	-0.04	0.091	16.51	17.00
DSI10		OFDM	Back Side	10	518000		2590	1	1	-0.10	0.126	16.51	17.00	1.119	0.141	/
DSI10		BPSK	Right Edge	10	518000		2590	1	1	0.09	0.345	16.51	17.00	1.119	0.386	/
DSI10		Top Edge	10	518000	2590		1	1	-0.01	0.041	16.51	17.00	1.119	0.046	/	
DSI10		Front Side	10	520000	2600		50	56	-0.14	0.089	16.45	17.00	1.135	0.101	/	
DSI10		Back Side	10	520000	2600		50	56	-0.11	0.122	16.45	17.00	1.135	0.138	/	
DSI10		Right Edge	10	520000	2600		50	56	-0.05	0.359	16.45	17.00	1.135	0.407	/	
DSI10		Top Edge	10	520000	2600		50	56	-0.08	0.038	16.45	17.00	1.135	0.043	/	
Ant.31#	DSI10		SA	Front Side	10	519000	2595	1	1	-0.12	0.155	20.50	21.50	1.259	0.195	/
	DSI10			Back Side	10	519000	2595	1	1	0.05	0.351	20.50	21.50	1.259	0.442	/

	DSI10	DFT-s-OFDM  BPSK		Left Edge	10	519000	2595	1	1	-0.14	0.150	20.50	21.50	1.259	0.189	/
	DSI10			Right Edge	10	519000	2595	1	1	0.01	0.090	20.50	21.50	1.259	0.113	/
	DSI10			Bottom Edge	10	519000	2595	1	1	-0.04	0.312	20.50	21.50	1.259	0.393	/
	DSI10			Front Side	10	520000	2600	50	56	0.08	0.152	20.52	21.50	1.253	0.190	/
	DSI10			Back Side	10	520000	2600	50	56	0.04	0.348	20.52	21.50	1.253	0.436	/
	DSI10			Left Edge	10	520000	2600	50	56	-0.02	0.142	20.52	21.50	1.253	0.178	/
	DSI10			Right Edge	10	520000	2600	50	56	0.00	0.086	20.52	21.50	1.253	0.108	/
	DSI10			Bottom Edge	10	520000	2600	50	56	-0.14	0.294	20.52	21.50	1.253	0.368	/
	Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																
Ant.13#	DSI5	DFT-s-OFDM BPSK	SA	Top Edge	0	519000	2595	1	1	0.02	1.700	18.67	19.50	1.211	2.059	/
	DSI5			Top Edge	0	518000	2590	50	56	0.06	1.640	18.59	19.50	1.233	2.022	/
	DSI5			Top Edge	0	518000	2590	1	1	0.05	1.770	18.54	19.50	1.247	2.207	/
	DSI5			Top Edge	0	520000	2600	1	1	0.03	1.800	18.57	19.50	1.239	2.230	/
	DSI5			Top Edge	0	519000	2595	50	28	-0.09	1.680	18.37	19.50	1.297	2.179	/
	DSI5			Top Edge	0	520000	2600	50	28	-0.04	1.630	18.45	19.50	1.274	2.077	/
	DSI5			Top Edge	0	520000	2600	100	0	-0.09	1.560	18.38	19.50	1.294	2.019	/
Ant.13#	DSI8	DFT-s-OFDM BPSK	SA	Top Edge	0	519000	2595	1	1	-0.11	0.668	14.82	15.50	1.169	0.781	/
	DSI8			Top Edge	0	518000	2590	50	56	-0.03	0.654	14.73	15.50	1.194	0.781	/
Ant.11#	DSI5	DFT-s-OFDM BPSK	SA	Right Edge	0	519000	2595	1	1	0.03	1.830	18.39	19.00	1.151	2.106	/
	DSI5			Right Edge	0	518000	2590	50	28	0.00	1.780	18.44	19.00	1.138	2.026	/
	DSI5			Right Edge	0	518000	2590	1	104	-0.02	1.830	18.13	19.00	1.222	2.236	83#
	DSI5			Right Edge	0	520000	2600	1	53	-0.11	1.780	18.06	19.00	1.242	2.211	/
	DSI5			Right Edge	0	519000	2595	50	0	0.15	1.750	18.21	19.00	1.199	2.098	/
	DSI5			Right Edge	0	520000	2600	50	28	-0.07	1.730	18.17	19.00	1.211	2.095	/
	DSI5			Right Edge	0	519000	2595	100	0	-0.16	1.690	18.16	19.00	1.213	2.050	/
Ant.11#	DSI8	DFT-s-OFDM BPSK	SA	Right Edge	0	518000	2590	1	1	-0.11	1.030	16.51	17.00	1.119	1.153	/
	DSI8			Right Edge	0	520000	2600	50	56	0.07	0.995	16.45	17.00	1.135	1.129	/
Senor(N-1)																
Ant.13#	DSI4	DFT-s-OFDM BPSK	SA	Front Side	7	518000	2590	1	104	-0.07	0.456	21.22	22.00	1.197	0.546	/
	DSI4			Back Side	11	518000	2590	1	104	-0.06	0.353	21.22	22.00	1.197	0.423	/
	DSI4			Top Edge	13	518000	2590	1	104	0.14	0.690	21.22	22.00	1.197	0.826	/
	DSI4			Front Side	7	520000	2600	50	56	-0.10	0.452	21.19	22.00	1.205	0.545	/
	DSI4			Back Side	11	520000	2600	50	56	-0.06	0.351	21.19	22.00	1.205	0.423	/
	DSI4			Top Edge	13	520000	2600	50	56	0.15	0.679	21.19	22.00	1.205	0.818	/
Ant.11#	DSI4	DFT-s-OFDM BPSK	SA	Front Side	3	520000	2600	1	1	-0.02	0.852	23.65	24.50	1.216	1.036	/
	DSI4			Back Side	11	520000	2600	1	1	0.14	0.349	23.65	24.50	1.216	0.424	/
	DSI4			Right Edge	12	520000	2600	1	1	0.05	0.729	23.65	24.50	1.216	0.886	/
	DSI4			Front Side	3	519000	2595	50	56	0.06	0.856	23.55	24.50	1.245	1.066	/
	DSI4			Back Side	11	519000	2595	50	56	0.02	0.650	23.55	24.50	1.245	0.809	/
	DSI4			Right Edge	12	519000	2595	50	56	0.15	0.726	23.55	24.50	1.245	0.904	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

## 11.28 n41 (100MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.13#	DSI2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	518598	2592.99	1	137	0.08	0.282	13.60	14.00	1.096	0.309	/
	DSI2&3			Left Tilt	0	518598	2592.99	1	137	0.05	0.426	13.60	14.00	1.096	0.467	/
	DSI2&3			Right Cheek	0	518598	2592.99	1	137	0.13	0.564	13.60	14.00	1.096	0.618	/
	DSI2&3			Right Tilt	0	518598	2592.99	1	137	-0.02	0.789	13.60	14.00	1.096	0.865	/
	DSI2&3			Left Cheek	0	518598	2592.99	135	69	-0.03	0.241	13.68	14.00	1.076	0.259	/
	DSI2&3			Left Tilt	0	518598	2592.99	135	69	-0.05	0.325	13.68	14.00	1.076	0.350	/
	DSI2&3			Right Cheek	0	518598	2592.99	135	69	0.07	0.442	13.68	14.00	1.076	0.476	/
	DSI2&3			Right Tilt	0	518598	2592.99	135	69	0.11	0.604	13.68	14.00	1.076	0.650	/
	DSI2&3			Right Tilt	0	509202	2546.01	1	271	0.01	0.743	13.59	14.00	1.099	0.817	/
	DSI2&3			Right Tilt	0	513900	2569.5	1	137	-0.02	0.732	13.48	14.00	1.127	0.825	/
	DSI2&3			Right Tilt	0	523302	2616.51	1	271	-0.12	0.444	13.55	14.00	1.109	0.492	/
	DSI2&3			Right Tilt	0	528000	2640	1	137	0.12	0.466	13.44	14.00	1.138	0.530	/
	DSI2&3			Right Tilt	0	509202	2546.01	135	138	-0.03	0.645	13.60	14.00	1.096	0.707	/
	DSI2&3			Right Tilt	0	513900	2569.5	135	138	0.01	0.619	13.56	14.00	1.107	0.685	/
	DSI2&3			Right Tilt	0	523302	2616.51	135	0	-0.02	0.456	13.68	14.00	1.076	0.491	/
	DSI2&3			Right Tilt	0	528000	2640	135	138	0.06	0.425	13.46	14.00	1.132	0.481	/
	DSI2&3			Right Tilt	0	518598	2592.99	270	0	0.03	0.513	13.52	14.00	1.117	0.573	/
Ant.11#	DSI2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	518598	2592.99	1	1	0.15	0.169	16.73	17.50	1.194	0.202	/
	DSI2&3			Left Tilt	0	518598	2592.99	1	1	0.06	0.048	16.73	17.50	1.194	0.057	/
	DSI2&3			Right Cheek	0	518598	2592.99	1	1	-0.05	0.673	16.73	17.50	1.194	0.804	/
	DSI2&3			Right Tilt	0	518598	2592.99	1	1	-0.03	0.098	16.73	17.50	1.194	0.117	/
	DSI2&3			Left Cheek	0	518598	2592.99	135	69	0.03	0.162	16.65	17.50	1.216	0.197	/
	DSI2&3			Left Tilt	0	518598	2592.99	135	69	-0.07	0.045	16.65	17.50	1.216	0.055	/
	DSI2&3			Right Cheek	0	518598	2592.99	135	69	0.09	0.667	16.65	17.50	1.216	0.811	/
	DSI2&3			Right Tilt	0	518598	2592.99	135	69	-0.16	0.094	16.65	17.50	1.216	0.114	/
	DSI2&3			Right Cheek	0	509202	2546.01	1	1	-0.09	0.539	16.58	17.50	1.236	0.666	/
	DSI2&3			Right Cheek	0	513900	2569.5	1	137	0.11	0.677	16.72	17.50	1.197	0.810	/
	DSI2&3			Right Cheek	0	523302	2616.51	1	271	0.04	0.684	16.73	17.50	1.194	0.817	/
	DSI2&3			Right Cheek	0	528000	2640	1	1	0.09	0.701	16.53	17.50	1.250	<b>0.876</b>	84#
	DSI2&3			Right Cheek	0	509202	2546.01	135	138	0.08	0.612	16.59	17.50	1.233	0.755	/
	DSI2&3			Right Cheek	0	513900	2569.5	135	69	-0.02	0.677	16.59	17.50	1.233	0.835	/
	DSI2&3			Right Cheek	0	523302	2616.51	135	0	-0.09	0.681	16.64	17.50	1.219	0.830	/
	DSI2&3			Right Cheek	0	528000	2640	135	138	0.03	0.650	16.64	17.50	1.219	0.792	/
	DSI2&3			Right Cheek	0	518598	2592.99	270	0	-0.11	0.668	16.55	17.50	1.245	0.832	/
Ant.31#	DSI2&3		SA	Left Cheek	0	518598	2592.99	1	137	-0.15	0.220	24.88	26.00	1.294	0.285	/
	DSI2&3			Left Tilt	0	518598	2592.99	1	137	-0.01	0.166	24.88	26.00	1.294	0.215	/

	DSI2&3	DFT-s-OFDM BPSK		Right Cheek	0	518598	2592.99	1	137	0.13	0.323	24.88	26.00	1.294	0.418	/
	DSI2&3			Right Tilt	0	518598	2592.99	1	137	-0.01	0.148	24.88	26.00	1.294	0.192	/
	DSI2&3			Left Cheek	0	518598	2592.99	135	69	-0.15	0.189	24.72	26.00	1.343	0.254	/
	DSI2&3			Left Tilt	0	518598	2592.99	135	69	-0.03	0.151	24.72	26.00	1.343	0.203	/
	DSI2&3			Right Cheek	0	518598	2592.99	135	69	-0.02	0.267	24.72	26.00	1.343	0.359	/
	DSI2&3			Right Tilt	0	518598	2592.99	135	69	-0.01	0.118	24.72	26.00	1.343	0.158	/
	Body-worn															
Ant.13#	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	528000	2640	1	271	0.08	0.173	21.56	22.00	1.107	0.192	/
	DSI4			Back Side	15	528000	2640	1	271	0.14	0.228	21.56	22.00	1.107	0.252	/
	DSI4			Front Side	15	528000	2640	135	69	-0.05	0.168	21.56	22.00	1.107	0.186	/
	DSI4			Back Side	15	528000	2640	135	69	-0.05	0.227	21.56	22.00	1.107	0.251	/
Ant.13#	DSI10	DFT-s-OFDM BPSK	SA	Front Side	15	518598	2592.99	1	1	-0.04	0.046	15.49	16.00	1.125	0.052	/
	DSI10			Back Side	15	518598	2592.99	1	1	-0.02	0.058	15.49	16.00	1.125	0.065	/
	DSI10			Front Side	15	518598	2592.99	135	0	0.05	0.043	15.68	16.00	1.076	0.046	/
	DSI10			Back Side	15	518598	2592.99	135	0	0.05	0.055	15.68	16.00	1.076	0.059	/
Ant.11#	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	528000	2640	1	1	-0.10	0.313	23.17	24.00	1.211	0.379	/
	DSI4			Back Side	15	528000	2640	1	1	-0.05	0.459	23.17	24.00	1.211	0.556	85#
	DSI4			Front Side	15	528000	2640	135	138	-0.02	0.287	23.37	24.00	1.156	0.332	/
	DSI4			Back Side	15	528000	2640	135	138	0.10	0.441	23.37	24.00	1.156	0.510	/
Ant.11#	DSI9	DFT-s-OFDM BPSK	SA	Front Side	15	513900	2569.5	1	1	0.07	0.070	16.60	17.50	1.230	0.086	/
	DSI9			Back Side	15	513900	2569.5	1	1	-0.02	0.101	16.60	17.50	1.230	0.124	/
	DSI9			Front Side	15	528000	2640	135	0	-0.05	0.068	16.61	17.50	1.227	0.083	/
	DSI9			Back Side	15	528000	2640	135	0	0.02	0.097	16.61	17.50	1.227	0.119	/
Ant.31#	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	523302	2616.51	1	137	-0.14	0.135	22.33	23.00	1.167	0.158	/
	DSI4			Back Side	15	523302	2616.51	1	137	-0.16	0.223	22.33	23.00	1.167	0.260	/
	DSI4			Front Side	15	509202	2546.01	135	138	0.08	0.128	22.38	23.00	1.153	0.148	/
	DSI4			Back Side	15	509202	2546.01	135	138	-0.08	0.217	22.38	23.00	1.153	0.250	/
Ant.31#	DSI10	DFT-s-OFDM BPSK	SA	Front Side	15	518598	2592.99	1	271	0.01	0.107	21.35	22.00	1.161	0.124	/
	DSI10			Back Side	15	518598	2592.99	1	271	0.08	0.177	21.35	22.00	1.161	0.205	/
	DSI10			Front Side	15	518598	2592.99	135	0	-0.03	0.106	21.50	22.00	1.122	0.119	/
	DSI10			Back Side	15	518598	2592.99	135	0	-0.04	0.175	21.50	22.00	1.122	0.196	/
Hotspot																
Ant.13#	DSI10	DFT-s-OFDM BPSK	SA	Front Side	10	518598	2592.99	1	1	0.13	0.261	15.59	16.00	1.099	0.287	/
	DSI10			Back Side	10	518598	2592.99	1	1	-0.03	0.315	15.59	16.00	1.099	0.346	/
	DSI10			Right Edge	10	518598	2592.99	1	1	0.02	0.063	15.59	16.00	1.099	0.069	/
	DSI10			Top Edge	10	518598	2592.99	1	1	-0.16	0.798	15.59	16.00	1.099	0.877	/
	DSI10			Front Side	10	518598	2592.99	135	0	0.09	0.246	15.68	16.00	1.076	0.265	/
	DSI10			Back Side	10	518598	2592.99	135	0	0.09	0.302	15.68	16.00	1.076	0.325	/
	DSI10			Right Edge	10	518598	2592.99	135	0	-0.09	0.066	15.68	16.00	1.076	0.071	/
	DSI10			Top Edge	10	518598	2592.99	135	0	0.06	0.838	15.68	16.00	1.076	0.902	/
	DSI10			Top Edge	10	509202	2546.01	1	1	-0.12	0.747	15.40	16.00	1.148	0.858	/
	DSI10			Top Edge	10	513900	2569.5	1	137	-0.02	0.894	15.56	16.00	1.107	0.990	86#
	DSI10			Top Edge	10	523302	2616.51	1	1	-0.15	0.636	15.43	16.00	1.140	0.725	/
	DSI10			Top Edge	10	518598	2592.99	135	0	-0.03	0.106	21.50	22.00	1.122	0.119	/

	DSI10			Top Edge	10	528000	2640	1	137	-0.14	0.598	15.46	16.00	1.132	0.677	/
	DSI10			Top Edge	10	509202	2546.01	135	69	-0.09	0.735	15.46	16.00	1.132	0.832	/
	DSI10			Top Edge	10	513900	2569.5	135	138	-0.12	0.751	15.54	16.00	1.112	0.835	/
	DSI10			Top Edge	10	523302	2616.51	135	69	0.03	0.556	15.45	16.00	1.135	0.631	/
	DSI10			Top Edge	10	528000	2640	135	69	0.01	0.485	15.53	16.00	1.114	0.540	/
	DSI10			Top Edge	10	518598	2592.99	270	0	0.08	0.671	15.69	16.00	1.074	0.721	/
Ant.11#	DSI10	DFT-s-OFDM BPSK	SA	Front Side	10	513900	2569.5	1	1	0.01	0.087	16.60	17.50	1.230	0.107	/
	DSI10			Back Side	10	513900	2569.5	1	1	-0.08	0.111	16.60	17.50	1.230	0.137	/
	DSI10			Right Edge	10	513900	2569.5	1	1	0.14	0.302	16.60	17.50	1.230	0.371	/
	DSI10			Top Edge	10	513900	2569.5	1	1	-0.04	0.042	16.60	17.50	1.230	0.052	/
	DSI10			Front Side	10	528000	2640	135	0	-0.01	0.092	16.61	17.50	1.227	0.113	/
	DSI10			Back Side	10	528000	2640	135	0	0.15	0.123	16.61	17.50	1.227	0.151	/
	DSI10			Right Edge	10	528000	2640	135	0	0.15	0.321	16.61	17.50	1.227	0.394	/
	DSI10			Top Edge	10	528000	2640	135	0	-0.15	0.042	16.61	17.50	1.227	0.052	/
Ant.31#	DSI10	DFT-s-OFDM BPSK	SA	Front Side	10	518598	2592.99	1	271	-0.16	0.193	21.35	22.00	1.161	0.224	/
	DSI10			Back Side	10	518598	2592.99	1	271	0.09	0.331	21.35	22.00	1.161	0.384	/
	DSI10			Left Edge	10	518598	2592.99	1	271	0.04	0.174	21.35	22.00	1.161	0.202	/
	DSI10			Right Edge	10	518598	2592.99	1	271	-0.13	0.023	21.35	22.00	1.161	0.027	/
	DSI10			Bottom Edge	10	518598	2592.99	1	271	0.13	0.203	21.35	22.00	1.161	0.236	/
	DSI10			Front Side	10	518598	2592.99	135	0	0.11	0.180	21.50	22.00	1.122	0.202	/
	DSI10			Back Side	10	518598	2592.99	135	0	0.07	0.296	21.50	22.00	1.122	0.332	/
	DSI10			Left Edge	10	518598	2592.99	135	0	-0.05	0.162	21.50	22.00	1.122	0.182	/
	DSI10			Right Edge	10	518598	2592.99	135	0	-0.09	0.024	21.50	22.00	1.122	0.027	/
	DSI10			Bottom Edge	10	518598	2592.99	135	0	0.02	0.206	21.50	22.00	1.122	0.231	/

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

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																
Ant.13#	DSI5	DFT-s-OFDM BPSK	SA	Front Side	0	518598	2592.99	1	137	0.04	1.390	19.08	19.50	1.102	1.532	/
	DSI5			Back Side	0	518598	2592.99	1	137	-0.05	1.420	19.08	19.50	1.102	1.565	/
	DSI5			Top Edge	0	518598	2592.99	1	137	0.04	1.840	19.08	19.50	1.102	2.028	/
	DSI5			Front Side	0	518598	2592.99	135	0	-0.13	1.300	19.03	19.50	1.114	1.448	/
	DSI5			Back Side	0	518598	2592.99	135	0	0.12	1.400	19.03	19.50	1.114	1.560	/
	DSI5			Top Edge	0	518598	2592.99	135	0	-0.14	1.810	19.03	19.50	1.114	2.016	/
	DSI5			Top Edge	0	509202	2546.01	1	137	-0.13	1.740	19.06	19.50	1.107	1.926	/
	DSI5			Top Edge	0	513900	2569.5	1	1	-0.08	1.710	18.93	19.50	1.140	1.949	/
	DSI5			Top Edge	0	523302	2616.51	1	1	-0.06	2.050	18.82	19.50	1.169	2.396	/
	DSI5			Top Edge	0	528000	2640	1	1	0.09	1.860	19.00	19.50	1.122	2.087	/
	DSI5			Top Edge	0	509202	2546.01	135	0	0.15	1.520	18.94	19.50	1.138	1.730	/
	DSI5			Top Edge	0	513900	2569.5	135	69	0.01	1.530	19.01	19.50	1.119	1.712	/



	DSI5			Top Edge	0	523302	2616.51	135	69	0.03	1.600	18.84	19.50	1.164	1.862	/			
	DSI5			Top Edge	0	528000	2640	135	69	-0.07	1.480	19.02	19.50	1.117	1.653	/			
	DSI5			Top Edge	0	518598	2592.99	270	0	-0.09	1.320	19.04	19.50	1.112	1.468	/			
Ant.13#	DSI8	DFT-s-OFDM BPSK	SA	Front Side	0	518598	2592.99	1	1	-0.15	0.620	15.59	16.00	1.099	0.681	/			
	DSI8			Back Side	0	518598	2592.99	1	1	-0.07	0.642	15.59	16.00	1.099	0.706	/			
	DSI8			Top Edge	0	518598	2592.99	1	1	-0.15	0.777	15.59	16.00	1.099	0.854	/			
	DSI8			Front Side	0	518598	2592.99	135	0	0.05	0.562	15.68	16.00	1.076	0.605	/			
	DSI8			Back Side	0	518598	2592.99	135	0	-0.01	0.602	15.68	16.00	1.076	0.648	/			
	DSI8			Top Edge	0	518598	2592.99	135	0	0.02	0.634	15.68	16.00	1.076	0.682	/			
Ant.11#	DSI5	DFT-s-OFDM BPSK	SA	Right Edge	0	518598	2592.99	1	137	-0.03	1.850	18.17	19.00	1.211	2.240	/			
	DSI5			Right Edge	0	518598	2592.99	135	0	0.05	1.780	18.35	19.00	1.161	2.067	/			
	DSI5			Right Edge	0	509202	2546.01	1	1	-0.04	1.690	18.09	19.00	1.233	2.084	/			
	DSI5			Right Edge	0	513900	2569.5	1	137	0.13	1.750	18.07	19.00	1.239	2.168	/			
	DSI5			Right Edge	0	523302	2616.51	1	137	0.13	1.860	17.97	19.00	1.268	2.358	/			
	DSI5			Right Edge	0	528000	2640	1	137	-0.01	1.950	18.02	19.00	1.253	2.443	87#			
	DSI5			Right Edge	0	509202	2546.01	135	0	-0.02	1.680	18.29	19.00	1.178	1.979	/			
	DSI5			Right Edge	0	513900	2569.5	135	0	0.08	1.720	18.29	19.00	1.178	2.026	/			
	DSI5			Right Edge	0	523302	2616.51	135	138	0.02	1.620	18.34	19.00	1.164	1.886	/			
	DSI5			Right Edge	0	528000	2640	135	138	0.11	1.590	18.33	19.00	1.167	1.856	/			
	DSI5			Right Edge	0	518598	2592.99	270	0	-0.09	1.480	18.08	19.00	1.236	1.829	/			
	Ant.11#			DSI8	DFT-s-OFDM BPSK	SA	Right Edge	0	518598	2592.99	1	1	0.09	1.320	16.60	17.50	1.230	1.624	/
				DSI8			Right Edge	0	518598	2592.99	135	0	-0.16	1.260	16.61	17.50	1.227	1.546	/
Senor(N-1)																			
Ant.13#	DSI4	DFT-s-OFDM BPSK	SA	Front Side	7	528000	2640	1	271	-0.03	0.522	21.56	22.00	1.107	0.578	/			
	DSI4			Back Side	11	528000	2640	1	271	-0.06	0.367	21.56	22.00	1.107	0.406	/			
	DSI4			Top Edge	13	528000	2640	1	271	0.00	0.796	21.56	22.00	1.107	0.881	/			
	DSI4			Front Side	7	528000	2640	135	69	-0.12	0.516	21.56	22.00	1.107	0.571	/			
	DSI4			Back Side	11	528000	2640	135	69	-0.06	0.368	21.56	22.00	1.107	0.407	/			
	DSI4			Top Edge	13	528000	2640	135	56	-0.06	0.803	21.56	22.00	1.107	0.889	/			
Ant.11#	DSI4	DFT-s-OFDM BPSK	SA	Front Side	3	528000	2640	1	1	-0.12	0.710	23.17	24.00	1.211	0.860	/			
	DSI4			Back Side	11	528000	2640	1	1	-0.13	0.264	23.17	24.00	1.211	0.320	/			
	DSI4			Right Edge	12	528000	2640	1	1	-0.14	0.563	23.17	24.00	1.211	0.682	/			
	DSI4			Front Side	3	528000	2640	135	138	0.14	0.706	23.37	24.00	1.156	0.816	/			
	DSI4			Back Side	11	528000	2640	135	138	0.07	0.270	23.37	24.00	1.156	0.312	/			
	DSI4			Right Edge	12	528000	2640	135	138	0.12	0.579	23.37	24.00	1.156	0.669	/			
Note: Refer to ANNEX C for the detailed test data for each test configuration.																			

## 11.29 n77(3450-3550MHz) (100MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune- power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.11#	DSI2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	271	-0.10	0.267	18.47	19.00	1.130	0.302	/
	DSI2&3			Left Tilt	0	633334	3500.01	1	271	-0.16	0.126	18.47	19.00	1.130	0.142	/
	DSI2&3			Right Cheek	0	633334	3500.01	1	271	0.01	0.804	18.47	19.00	1.130	<b>0.909</b>	88#
	DSI2&3			Right Tilt	0	633334	3500.01	1	271	0.09	0.296	18.47	19.00	1.130	0.334	/
	DSI2&3			Left Cheek	0	633334	3500.01	135	0	0.06	0.251	18.45	19.00	1.135	0.285	/
	DSI2&3			Left Tilt	0	633334	3500.01	135	0	0.01	0.112	18.45	19.00	1.135	0.127	/
	DSI2&3			Right Cheek	0	633334	3500.01	135	0	-0.15	0.745	18.45	19.00	1.135	0.846	/
	DSI2&3			Right Tilt	0	633334	3500.01	135	0	-0.13	0.264	18.45	19.00	1.135	0.300	/
	DSI2&3			Right Cheek	0	633334	3500.01	270	0	0.03	0.698	18.10	19.00	1.230	0.859	/
Ant.12#	DSI2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	271	-0.06	0.046	17.98	18.50	1.127	0.052	/
	DSI2&3			Left Tilt	0	633334	3500.01	1	271	0.12	0.196	17.98	18.50	1.127	0.221	/
	DSI2&3			Right Cheek	0	633334	3500.01	1	271	0.14	0.049	17.98	18.50	1.127	0.055	/
	DSI2&3			Right Tilt	0	633334	3500.01	1	271	-0.11	0.163	17.98	18.50	1.127	0.184	/
	DSI2&3			Left Cheek	0	633334	3500.01	135	0	-0.08	0.045	18.05	18.50	1.109	0.050	/
	DSI2&3			Left Tilt	0	633334	3500.01	135	0	-0.08	0.182	18.05	18.50	1.109	0.202	/
	DSI2&3			Right Cheek	0	633334	3500.01	135	0	-0.04	0.043	18.05	18.50	1.109	0.048	/
	DSI2&3			Right Tilt	0	633334	3500.01	135	0	-0.07	0.164	18.05	18.50	1.109	0.182	/
Ant.21#	DSI2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	1	0.03	0.402	16.26	16.50	1.057	0.425	/
	DSI2&3			Left Tilt	0	633334	3500.01	1	1	0.03	0.639	16.26	16.50	1.057	0.675	/
	DSI2&3			Right Cheek	0	633334	3500.01	1	1	0.00	0.441	16.26	16.50	1.057	0.466	/
	DSI2&3			Right Tilt	0	633334	3500.01	1	1	-0.08	0.453	16.26	16.50	1.057	0.479	/
	DSI2&3			Left Cheek	0	633334	3500.01	135	138	-0.07	0.385	16.17	16.50	1.079	0.415	/
	DSI2&3			Left Tilt	0	633334	3500.01	135	138	-0.14	0.628	16.17	16.50	1.079	0.678	/
	DSI2&3			Right Cheek	0	633334	3500.01	135	138	-0.08	0.421	16.17	16.50	1.079	0.454	/
	DSI2&3			Right Tilt	0	633334	3500.01	135	138	0.03	0.436	16.17	16.50	1.079	0.470	/
Ant.23#	DSI2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	137	0.06	0.446	15.92	16.50	1.143	0.510	/
	DSI2&3			Left Tilt	0	633334	3500.01	1	137	0.03	0.201	15.92	16.50	1.143	0.230	/
	DSI2&3			Right Cheek	0	633334	3500.01	1	137	0.15	0.236	15.92	16.50	1.143	0.270	/
	DSI2&3			Right Tilt	0	633334	3500.01	1	137	-0.02	0.093	15.92	16.50	1.143	0.106	/
	DSI2&3			Left Cheek	0	633334	3500.01	135	138	0.07	0.437	15.83	16.50	1.167	0.510	/
	DSI2&3			Left Tilt	0	633334	3500.01	135	138	0.03	0.195	15.83	16.50	1.167	0.228	/
	DSI2&3			Right Cheek	0	633334	3500.01	135	138	0.15	0.223	15.83	16.50	1.167	0.260	/
	DSI2&3			Right Tilt	0	633334	3500.01	135	138	0.13	0.091	15.83	16.50	1.167	0.106	/
Body-worn																
Ant.11#	DSI4		SA	Front Side	15	633334	3500.01	1	137	0.04	0.305	23.44	24.50	1.276	0.389	/
	DSI4			Back Side	15	633334	3500.01	1	137	0.01	0.543	23.44	24.50	1.276	<b>0.693</b>	89#

	DSI4	DFT-s-		Front Side	15	633334	3500.01	135	0	-0.05	0.261	23.50	24.50	1.259	0.329	/
	DSI4	OFDM BPSK		Back Side	15	633334	3500.01	135	0	-0.12	0.497	23.50	24.50	1.259	0.626	/
Ant.11#	DSI9	DFT-s-	SA	Front Side	15	633334	3500.01	1	137	0.08	0.091	19.56	20.00	1.107	0.101	/
	DSI9	OFDM		Back Side	15	633334	3500.01	1	137	0.15	0.158	19.56	20.00	1.107	0.175	/
	DSI9	BPSK		Front Side	15	633334	3500.01	135	0	-0.06	0.086	19.42	20.00	1.143	0.098	/
	DSI9	BPSK		Back Side	15	633334	3500.01	135	0	0.10	0.152	19.42	20.00	1.143	0.174	/
Ant.12#	DSI4	DFT-s-	SA	Front Side	15	633334	3500.01	1	1	0.11	0.301	23.47	24.50	1.268	0.382	/
	DSI4	OFDM		Back Side	15	633334	3500.01	1	1	-0.10	0.331	23.47	24.50	1.268	0.420	/
	DSI4	BPSK		Front Side	15	633334	3500.01	135	138	0.00	0.274	23.48	24.50	1.265	0.347	/
	DSI4	BPSK		Back Side	15	633334	3500.01	135	138	-0.07	0.289	23.48	24.50	1.265	0.366	/
Ant.12#	DSI10	DFT-s-	SA	Front Side	15	633334	3500.01	1	1	-0.07	0.186	22.04	22.50	1.112	0.207	/
	DSI10	OFDM		Back Side	15	633334	3500.01	1	1	0.11	0.205	22.04	22.50	1.112	0.228	/
	DSI10	BPSK		Front Side	15	633334	3500.01	135	69	0.10	0.178	21.86	22.50	1.159	0.206	/
	DSI10	BPSK		Back Side	15	633334	3500.01	135	69	0.11	0.182	21.86	22.50	1.159	0.211	/
Ant.21#	DSI4	DFT-s-	SA	Front Side	15	633334	3500.01	1	137	-0.03	0.289	21.67	22.50	1.211	0.350	/
	DSI4	OFDM		Back Side	15	633334	3500.01	1	137	0.06	0.208	21.67	22.50	1.211	0.252	/
	DSI4	BPSK		Front Side	15	633334	3500.01	135	0	0.11	0.237	21.67	22.50	1.211	0.287	/
	DSI4	BPSK		Back Side	15	633334	3500.01	135	0	0.08	0.184	21.67	22.50	1.211	0.223	/
Ant.21#	DSI10	DFT-s-	SA	Front Side	15	633334	3500.01	1	137	-0.11	0.129	18.32	19.00	1.169	0.151	/
	DSI10	OFDM		Back Side	15	633334	3500.01	1	137	-0.08	0.093	18.32	19.00	1.169	0.109	/
	DSI10	BPSK		Front Side	15	633334	3500.01	135	138	-0.01	0.116	18.83	19.00	1.040	0.121	/
	DSI10	BPSK		Back Side	15	633334	3500.01	135	138	0.02	0.090	18.83	19.00	1.040	0.094	/
Ant.23#	DSI4	DFT-s-	SA	Front Side	15	633334	3500.01	1	271	-0.03	0.123	21.00	21.50	1.122	0.138	/
	DSI4	OFDM		Back Side	15	633334	3500.01	1	271	-0.10	0.227	21.00	21.50	1.122	0.255	/
	DSI4	BPSK		Front Side	15	633334	3500.01	135	0	-0.11	0.118	20.86	21.50	1.159	0.137	/
	DSI4	BPSK		Back Side	15	633334	3500.01	135	0	0.00	0.220	20.86	21.50	1.159	0.255	/
Ant.23#	DSI10	DFT-s-	SA	Front Side	15	633334	3500.01	1	271	-0.16	0.065	18.50	19.00	1.122	0.073	/
	DSI10	OFDM		Back Side	15	633334	3500.01	1	271	-0.10	0.125	18.50	19.00	1.122	0.140	/
	DSI10	BPSK		Front Side	15	633334	3500.01	135	0	-0.13	0.063	18.60	19.00	1.096	0.069	/
	DSI10	BPSK		Back Side	15	633334	3500.01	135	0	-0.11	0.119	18.60	19.00	1.096	0.130	/
Hotspot																
Ant.11#	DSI10	DFT-s- OFDM BPSK	SA	Front Side	10	633334	3500.01	1	137	-0.13	0.165	19.56	20.00	1.107	0.183	/
	DSI10			Back Side	10	633334	3500.01	1	137	-0.02	0.276	19.56	20.00	1.107	0.306	/
	DSI10			Right Edge	10	633334	3500.01	1	137	-0.11	0.737	19.56	20.00	1.107	<b>0.816</b>	90#
	DSI10			Top Edge	10	633334	3500.01	1	137	0.02	0.068	19.56	20.00	1.107	0.075	/
	DSI10			Front Side	10	633334	3500.01	135	0	-0.02	0.154	19.42	20.00	1.143	0.176	/
	DSI10			Back Side	10	633334	3500.01	135	0	-0.03	0.261	19.42	20.00	1.143	0.298	/
	DSI10			Right Edge	10	633334	3500.01	135	0	-0.08	0.683	19.42	20.00	1.143	0.781	/
	DSI10			Top Edge	10	633334	3500.01	135	0	0.06	0.061	19.42	20.00	1.143	0.070	/
	DSI10			Right Edge	10	633334	3500.01	270	0	0.05	0.635	20.54	21.50	1.247	0.792	/
	DSI10			Right Edge	10	633334	3500.01	270	0	0.05	0.635	20.54	21.50	1.247	0.792	/
Ant.12#	DSI10		SA	Front Side	10	633334	3500.01	1	1	0.02	0.364	22.04	22.50	1.112	0.405	/
	DSI10			Back Side	10	633334	3500.01	1	1	0.11	0.368	22.04	22.50	1.112	0.409	/

	DSI10	DFT-s-OFDM BPSK		Right Edge	10	633334	3500.01	1	1	-0.06	0.292	22.04	22.50	1.112	0.325	/
	DSI10			Top Edge	10	633334	3500.01	1	1	0.08	0.317	22.04	22.50	1.112	0.353	/
	DSI10			Front Side	10	633334	3500.01	135	69	0.09	0.336	21.86	22.50	1.159	0.389	/
	DSI10			Back Side	10	633334	3500.01	135	69	-0.15	0.329	21.86	22.50	1.159	0.381	/
	DSI10			Right Edge	10	633334	3500.01	135	69	-0.07	0.274	21.86	22.50	1.159	0.318	/
	DSI10			Top Edge	10	633334	3500.01	135	69	-0.10	0.303	21.86	22.50	1.159	0.351	/
Ant.21#	DSI10	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	137	0.12	0.257	18.32	19.00	1.169	0.300	/
	DSI10			Back Side	10	633334	3500.01	1	137	0.09	0.205	18.32	19.00	1.169	0.240	/
	DSI10			Left Edge	10	633334	3500.01	1	137	0.15	0.096	18.32	19.00	1.169	0.112	/
	DSI10			Top Edge	10	633334	3500.01	1	137	0.15	0.354	18.32	19.00	1.169	0.414	/
	DSI10			Front Side	10	633334	3500.01	135	138	0.10	0.231	18.83	19.00	1.040	0.240	/
	DSI10			Back Side	10	633334	3500.01	135	138	-0.13	0.195	18.83	19.00	1.040	0.203	/
	DSI10			Left Edge	10	633334	3500.01	135	138	-0.04	0.093	18.83	19.00	1.040	0.097	/
	DSI10			Top Edge	10	633334	3500.01	135	138	0.06	0.324	18.83	19.00	1.040	0.337	/
Ant.23#	DSI10	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	271	-0.10	0.133	18.50	19.00	1.122	0.149	/
	DSI10			Back Side	10	633334	3500.01	1	271	0.04	0.202	18.50	19.00	1.122	0.227	/
	DSI10			Left Edge	10	633334	3500.01	1	271	-0.03	0.433	18.50	19.00	1.122	0.486	/
	DSI10			Top Edge	10	633334	3500.01	1	271	0.14	0.113	18.50	19.00	1.122	0.127	/
	DSI10			Front Side	10	633334	3500.01	135	0	-0.06	0.120	18.60	19.00	1.096	0.132	/
	DSI10			Back Side	10	633334	3500.01	135	0	0.11	0.191	18.60	19.00	1.096	0.209	/
	DSI10			Left Edge	10	633334	3500.01	135	0	0.11	0.401	18.60	19.00	1.096	0.439	/
	DSI10			Top Edge	10	633334	3500.01	135	0	0.13	0.106	18.60	19.00	1.096	0.116	/

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

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune- power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																
Ant.11#	DSI5&8	DFT-s-OFDM	SA	Right Edge	0	633334	3500.01	1	137	-0.05	1.710	19.56	20.00	1.107	1.893	91#
	DSI5&8	BPSK		Right Edge	0	633334	3500.01	135	0	0.06	1.620	19.42	20.00	1.143	1.852	/
Senor(N-1)																
Ant.11#	DSI4	DFT-s-OFDM BPSK	SA	Front Side	3	633334	3500.01	1	137	0.05	0.668	23.44	24.50	1.276	0.852	/
	DSI4			Back Side	11	633334	3500.01	1	137	0.04	0.365	23.44	24.50	1.276	0.466	/
	DSI4			Right Edge	12	633334	3500.01	1	137	0.15	0.679	23.44	24.50	1.276	0.866	/
	DSI4			Front Side	3	633334	3500.01	135	0	0.13	0.660	23.50	24.50	1.259	0.831	/
	DSI4			Back Side	11	633334	3500.01	135	0	0.00	0.368	23.50	24.50	1.259	0.463	/
	DSI4			Right Edge	12	633334	3500.01	135	0	-0.13	0.664	23.50	24.50	1.259	0.836	/

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

## 11.30 n77(3700-3980MHz) (100MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune- power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.11#	DSI2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	650000	3750	1	137	0.00	0.254	18.46	19.00	1.132	0.288	/
	DSI2&3			Left Tilt	0	650000	3750	1	137	0.14	0.099	18.46	19.00	1.132	0.112	/
	DSI2&3			Right Cheek	0	650000	3750	1	137	0.02	0.612	18.46	19.00	1.132	<b>0.693</b>	92#
	DSI2&3			Right Tilt	0	650000	3750	1	137	0.00	0.161	18.46	19.00	1.132	0.182	/
	DSI2&3			Left Cheek	0	662000	3930	135	0	0.12	0.205	18.44	19.00	1.138	0.233	/
	DSI2&3			Left Tilt	0	662000	3930	135	0	-0.02	0.084	18.44	19.00	1.138	0.096	/
	DSI2&3			Right Cheek	0	662000	3930	135	0	0.10	0.532	18.44	19.00	1.138	0.605	/
	DSI2&3			Right Tilt	0	662000	3930	135	0	0.08	0.140	18.44	19.00	1.138	0.159	/
Ant.12#	DSI2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	650000	3750	1	137	0.08	0.071	18.08	18.50	1.102	0.078	/
	DSI2&3			Left Tilt	0	650000	3750	1	137	0.14	0.065	18.08	18.50	1.102	0.072	/
	DSI2&3			Right Cheek	0	650000	3750	1	137	0.15	0.251	18.08	18.50	1.102	0.277	/
	DSI2&3			Right Tilt	0	650000	3750	1	137	0.12	0.137	18.08	18.50	1.102	0.151	/
	DSI2&3			Left Cheek	0	650000	3750	135	0	0.05	0.063	18.02	18.50	1.117	0.070	/
	DSI2&3			Left Tilt	0	650000	3750	135	0	0.07	0.058	18.02	18.50	1.117	0.065	/
	DSI2&3			Right Cheek	0	650000	3750	135	0	-0.02	0.232	18.02	18.50	1.117	0.259	/
	DSI2&3			Right Tilt	0	650000	3750	135	0	-0.14	0.121	18.02	18.50	1.117	0.135	/
Ant.21#	DSI2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	650000	3750	1	1	0.09	0.468	16.21	16.50	1.069	0.500	/
	DSI2&3			Left Tilt	0	650000	3750	1	1	-0.04	0.607	16.21	16.50	1.069	0.649	/
	DSI2&3			Right Cheek	0	650000	3750	1	1	-0.02	0.330	16.21	16.50	1.069	0.353	/
	DSI2&3			Right Tilt	0	650000	3750	1	1	-0.16	0.346	16.21	16.50	1.069	0.370	/
	DSI2&3			Left Cheek	0	650000	3750	135	138	0.14	0.456	16.09	16.50	1.099	0.501	/
	DSI2&3			Left Tilt	0	650000	3750	135	138	-0.01	0.585	16.09	16.50	1.099	0.643	/
	DSI2&3			Right Cheek	0	650000	3750	135	138	-0.06	0.321	16.09	16.50	1.099	0.353	/
	DSI2&3			Right Tilt	0	650000	3750	135	138	0.15	0.339	16.09	16.50	1.099	0.373	/
Ant.23#	DSI2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	650000	3750	1	271	0.12	0.361	15.96	16.50	1.132	0.409	/
	DSI2&3			Left Tilt	0	650000	3750	1	271	0.05	0.105	15.96	16.50	1.132	0.119	/
	DSI2&3			Right Cheek	0	650000	3750	1	271	0.07	0.339	15.96	16.50	1.132	0.384	/
	DSI2&3			Right Tilt	0	650000	3750	1	271	0.06	0.057	15.96	16.50	1.132	0.065	/
	DSI2&3			Left Cheek	0	650000	3750	135	138	-0.04	0.358	15.91	16.50	1.146	0.410	/
	DSI2&3			Left Tilt	0	650000	3750	135	138	0.05	0.105	15.91	16.50	1.146	0.120	/
	DSI2&3			Right Cheek	0	650000	3750	135	138	0.15	0.315	15.91	16.50	1.146	0.361	/
	DSI2&3			Right Tilt	0	650000	3750	135	138	0.03	0.056	15.91	16.50	1.146	0.064	/
Body-worn																
Ant.11#	DSI4	DFT-s-	SA	Front Side	15	650000	3750	1	1	-0.06	0.203	23.41	24.50	1.285	0.261	/
	DSI4	OFDM		Back Side	15	650000	3750	1	1	0.08	0.354	23.41	24.50	1.285	<b>0.455</b>	93#
	DSI4	BPSK		Front Side	15	650000	3750	135	138	-0.04	0.172	23.25	24.50	1.334	0.229	/

	DSI4			Back Side	15	650000	3750	135	138	0.05	0.311	23.25	24.50	1.334	0.415	/
Ant.11#	DSI9	DFT-s-OFDM BPSK	SA	Front Side	15	656000	3840	1	1	0.11	0.081	19.49	20.00	1.125	0.091	/
	Back Side			15	656000	3840	1	1	0.01	0.142	19.49	20.00	1.125	0.160	/	
	Front Side			15	650000	3750	135	0	-0.15	0.078	19.51	20.00	1.119	0.087	/	
	Back Side			15	650000	3750	135	0	-0.05	0.140	19.51	20.00	1.119	0.157	/	
Ant.12#	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	662000	3930	1	137	0.00	0.306	23.71	24.50	1.199	0.367	/
	Back Side			15	662000	3930	1	137	-0.03	0.237	23.71	24.50	1.199	0.284	/	
	Front Side			15	650000	3750	135	138	0.13	0.260	23.56	24.50	1.242	0.323	/	
	Back Side			15	650000	3750	135	138	-0.11	0.203	23.56	24.50	1.242	0.252	/	
Ant.12#	DSI10	DFT-s-OFDM BPSK	SA	Front Side	15	650000	3750	1	1	-0.09	0.191	22.13	22.50	1.089	0.208	/
	Back Side			15	650000	3750	1	1	-0.14	0.148	22.13	22.50	1.089	0.161	/	
	Front Side			15	650000	3750	135	69	0.14	0.185	21.87	22.50	1.156	0.214	/	
	Back Side			15	650000	3750	135	69	-0.14	0.137	21.87	22.50	1.156	0.158	/	
Ant.21#	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	662000	3930	1	271	0.07	0.246	21.85	22.50	1.161	0.286	/
	Back Side			15	662000	3930	1	271	-0.07	0.180	21.85	22.50	1.161	0.209	/	
	Front Side			15	650000	3750	135	0	-0.04	0.238	21.67	22.50	1.211	0.288	/	
	Back Side			15	650000	3750	135	0	-0.02	0.170	21.67	22.50	1.211	0.206	/	
Ant.21#	DSI10	DFT-s-OFDM BPSK	SA	Front Side	15	662000	3930	1	1	0.08	0.107	18.65	19.00	1.084	0.116	/
	Back Side			15	662000	3930	1	1	-0.05	0.078	18.65	19.00	1.084	0.085	/	
	Front Side			15	662000	3930	135	0	-0.01	0.105	18.62	19.00	1.091	0.115	/	
	Back Side			15	662000	3930	135	0	-0.08	0.073	18.62	19.00	1.091	0.080	/	
Ant.23#	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	650000	3750	1	271	0.12	0.095	21.15	21.50	1.084	0.103	/
	Back Side			15	650000	3750	1	271	-0.09	0.155	21.15	21.50	1.084	0.168	/	
	Front Side			15	662000	3930	135	0	-0.04	0.092	21.15	21.50	1.084	0.100	/	
	Back Side			15	662000	3930	135	0	0.06	0.149	21.15	21.50	1.084	0.162	/	
Ant.23#	DSI10	DFT-s-OFDM BPSK	SA	Front Side	15	662000	3930	1	271	-0.08	0.052	18.51	19.00	1.119	0.058	/
	Back Side			15	662000	3930	1	271	0.03	0.087	18.51	19.00	1.119	0.097	/	
	Front Side			15	662000	3930	135	0	0.03	0.050	18.55	19.00	1.109	0.055	/	
	Back Side			15	662000	3930	135	0	-0.13	0.082	18.55	19.00	1.109	0.091	/	
Hotspot																
Ant.11#	DSI10	DFT-s-OFDM BPSK	SA	Front Side	10	656000	3840	1	1	-0.03	0.252	19.49	20.00	1.125	0.284	/
	DSI10			Back Side	10	656000	3840	1	1	0.10	0.361	19.49	20.00	1.125	0.406	/
	DSI10			Right Edge	10	656000	3840	1	1	0.03	0.629	19.49	20.00	1.125	<b>0.708</b>	94#
	DSI10			Top Edge	10	656000	3840	1	1	0.13	0.017	19.49	20.00	1.125	0.019	/
	DSI10			Front Side	10	650000	3750	135	0	0.09	0.235	19.51	20.00	1.119	0.263	/
	DSI10			Back Side	10	650000	3750	135	0	-0.02	0.345	19.51	20.00	1.119	0.386	/
	DSI10			Right Edge	10	650000	3750	135	0	0.14	0.610	19.51	20.00	1.119	0.683	/
	DSI10			Top Edge	10	650000	3750	135	0	0.13	0.015	19.51	20.00	1.119	0.017	/
Ant.12#	DSI10	DFT-s-OFDM BPSK	SA	Front Side	10	650000	3750	1	1	-0.12	0.375	22.13	22.50	1.089	0.408	/
	DSI10			Back Side	10	650000	3750	1	1	-0.08	0.436	22.13	22.50	1.089	0.475	/
	DSI10			Right Edge	10	650000	3750	1	1	-0.12	0.315	22.13	22.50	1.089	0.343	/
	DSI10			Top Edge	10	650000	3750	1	1	-0.07	0.303	22.13	22.50	1.089	0.330	/
	DSI10			Front Side	10	650000	3750	135	69	0.15	0.404	21.87	22.50	1.156	0.467	/

	DSI10			Back Side	10	650000	3750	135	69	-0.14	0.286	21.87	22.50	1.156	0.331	/
	DSI10			Right Edge	10	650000	3750	135	69	-0.05	0.343	21.87	22.50	1.156	0.397	/
	DSI10			Top Edge	10	650000	3750	135	69	0.04	0.292	21.87	22.50	1.156	0.338	/
Ant.21#	DSI10	DFT-s-OFDM BPSK	SA	Front Side	10	662000	3930	1	1	0.00	0.231	18.65	19.00	1.084	0.250	/
	DSI10			Back Side	10	662000	3930	1	1	-0.09	0.165	18.65	19.00	1.084	0.179	/
	DSI10			Left Edge	10	662000	3930	1	1	0.04	0.078	18.65	19.00	1.084	0.085	/
	DSI10			Top Edge	10	662000	3930	1	1	0.11	0.301	18.65	19.00	1.084	0.326	/
	DSI10			Front Side	10	662000	3930	135	0	-0.04	0.218	18.62	19.00	1.091	0.238	/
	DSI10			Back Side	10	662000	3930	135	0	-0.07	0.159	18.62	19.00	1.091	0.173	/
	DSI10			Left Edge	10	662000	3930	135	0	-0.10	0.075	18.62	19.00	1.091	0.082	/
	DSI10			Top Edge	10	662000	3930	135	0	-0.01	0.290	18.62	19.00	1.091	0.316	/
	Ant.23#			DSI10	DFT-s-OFDM BPSK	SA	Front Side	10	662000	3930	1	1	-0.09	0.109	18.51	19.00
DSI10		Back Side	10	662000			3930	1	1	0.01	0.160	18.51	19.00	1.119	0.179	/
DSI10		Left Edge	10	662000			3930	1	1	0.11	0.298	18.51	19.00	1.119	0.333	/
DSI10		Top Edge	10	662000			3930	1	1	-0.16	0.085	18.51	19.00	1.119	0.095	/
DSI10		Front Side	10	662000			3930	135	0	0.08	0.100	18.55	19.00	1.109	0.111	/
DSI10		Back Side	10	662000			3930	135	0	-0.07	0.153	18.55	19.00	1.109	0.170	/
DSI10		Left Edge	10	662000			3930	135	0	-0.01	0.285	18.55	19.00	1.109	0.316	/
DSI10		Top Edge	10	662000			3930	135	0	-0.07	0.081	18.55	19.00	1.109	0.090	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																
Ant.11#	DSI5&8	DFT-s-OFDM BPSK	SA	Right Edge	0	656000	3840	1	1	0.00	1.770	19.49	20.00	1.125	1.991	/
	DSI5&8			Right Edge	0	650000	3750	135	0	-0.03	1.990	19.51	20.00	1.119	2.227	95#
	DSI5&8			Right Edge	0	656000	3840	1	137	0.01	1.750	19.47	20.00	1.130	1.978	/
	DSI5&8			Right Edge	0	662000	3930	1	137	-0.01	1.760	19.43	20.00	1.140	2.006	/
	DSI5&8			Right Edge	0	656000	3840	135	138	-0.11	1.830	19.34	20.00	1.164	2.130	/
	DSI5&8			Right Edge	0	662000	3930	135	0	0.00	1.830	19.27	20.00	1.183	2.165	/
	DSI5&8			Right Edge	0	650000	3750	270	0	0.07	1.750	19.19	20.00	1.205	2.109	/
Senor(N-1)																
Ant.11#	DSI4	DFT-s-OFDM BPSK	SA	Front Side	3	650000	3750	1	1	0.08	0.580	23.41	24.50	1.285	0.745	/
	DSI4			Back Side	11	650000	3750	1	1	-0.13	0.388	23.41	24.50	1.285	0.499	/
	DSI4			Right Edge	12	650000	3750	1	1	0.02	0.624	23.41	24.50	1.285	0.802	/
	DSI4			Front Side	3	650000	3750	135	138	-0.15	0.569	23.25	24.50	1.334	0.759	/
	DSI4			Back Side	11	650000	3750	135	138	-0.02	0.382	23.25	24.50	1.334	0.510	/
	DSI4			Right Edge	12	650000	3750	135	138	0.00	0.618	23.25	24.50	1.334	0.824	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

## 11.31 n78 (3450-3550MHz) (100MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune- power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.11#	DSI2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	1	-0.12	0.237	17.96	18.50	1.132	0.268	/
	DSI2&3			Left Tilt	0	633334	3500.01	1	1	0.09	0.108	17.96	18.50	1.132	0.122	/
	DSI2&3			Right Cheek	0	633334	3500.01	1	1	0.02	0.702	17.96	18.50	1.132	<b>0.795</b>	96#
	DSI2&3			Right Tilt	0	633334	3500.01	1	1	-0.06	0.273	17.96	18.50	1.132	0.309	/
	DSI2&3			Left Cheek	0	633334	3500.01	135	138	-0.04	0.211	18.04	18.50	1.112	0.235	/
	DSI2&3			Left Tilt	0	633334	3500.01	135	138	0.00	0.097	18.04	18.50	1.112	0.108	/
	DSI2&3			Right Cheek	0	633334	3500.01	135	138	0.09	0.652	18.04	18.50	1.112	0.725	/
	DSI2&3			Right Tilt	0	633334	3500.01	135	138	0.13	0.243	18.04	18.50	1.112	0.270	/
Ant.12#	DSI2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	1	-0.03	0.050	17.30	18.00	1.175	0.059	/
	DSI2&3			Left Tilt	0	633334	3500.01	1	1	0.05	0.216	17.30	18.00	1.175	0.254	/
	DSI2&3			Right Cheek	0	633334	3500.01	1	1	0.05	0.149	17.30	18.00	1.175	0.175	/
	DSI2&3			Right Tilt	0	633334	3500.01	1	1	0.11	0.052	17.30	18.00	1.175	0.061	/
	DSI2&3			Left Cheek	0	633334	3500.01	135	138	-0.08	0.047	16.99	18.00	1.262	0.059	/
	DSI2&3			Left Tilt	0	633334	3500.01	135	138	-0.09	0.201	16.99	18.00	1.262	0.254	/
	DSI2&3			Right Cheek	0	633334	3500.01	135	138	0.05	0.138	16.99	18.00	1.262	0.174	/
	DSI2&3			Right Tilt	0	633334	3500.01	135	138	0.09	0.051	16.99	18.00	1.262	0.064	/
Ant.21#	DSI2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	137	0.08	0.453	15.97	16.50	1.130	0.512	/
	DSI2&3			Left Tilt	0	633334	3500.01	1	137	-0.02	0.647	15.97	16.50	1.130	0.731	/
	DSI2&3			Right Cheek	0	633334	3500.01	1	137	-0.11	0.528	15.97	16.50	1.130	0.597	/
	DSI2&3			Right Tilt	0	633334	3500.01	1	137	0.03	0.459	15.97	16.50	1.130	0.519	/
	DSI2&3			Left Cheek	0	633334	3500.01	135	138	0.12	0.440	15.86	16.50	1.159	0.510	/
	DSI2&3			Left Tilt	0	633334	3500.01	135	138	0.07	0.628	15.86	16.50	1.159	0.728	/
	DSI2&3			Right Cheek	0	633334	3500.01	135	138	-0.08	0.516	15.86	16.50	1.159	0.598	/
	DSI2&3			Right Tilt	0	633334	3500.01	135	138	0.10	0.425	15.86	16.50	1.159	0.493	/
	DSI2&3			Left Tilt	0	633334	3500.01	270	0	0.04	0.595	15.75	16.50	1.189	0.707	/
Ant.23#	DSI2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	1	0.07	0.423	14.65	15.50	1.216	0.514	/
	DSI2&3			Left Tilt	0	633334	3500.01	1	1	0.06	0.186	14.65	15.50	1.216	0.226	/
	DSI2&3			Right Cheek	0	633334	3500.01	1	1	-0.07	0.229	14.65	15.50	1.216	0.278	/
	DSI2&3			Right Tilt	0	633334	3500.01	1	1	-0.09	0.088	14.65	15.50	1.216	0.107	/
	DSI2&3			Left Cheek	0	633334	3500.01	135	0	0.07	0.410	14.54	15.50	1.247	0.511	/
	DSI2&3			Left Tilt	0	633334	3500.01	135	0	0.09	0.179	14.54	15.50	1.247	0.223	/
	DSI2&3			Right Cheek	0	633334	3500.01	135	0	-0.08	0.223	14.54	15.50	1.247	0.278	/
	DSI2&3			Right Tilt	0	633334	3500.01	135	0	-0.02	0.085	14.54	15.50	1.247	0.106	/
Body-worn																
Ant.11#	DSI4		SA	Front Side	15	633334	3500.01	1	271	0.14	0.296	23.48	24.00	1.127	0.334	/
	DSI4			Back Side	15	633334	3500.01	1	271	-0.06	0.534	23.48	24.00	1.127	<b>0.602</b>	97#



	DSI4	DFT-s-		Front Side	15	633334	3500.01	135	0	0.00	0.282	23.66	24.00	1.081	0.305	/
	DSI4	OFDM BPSK		Back Side	15	633334	3500.01	135	0	0.15	0.514	23.66	24.00	1.081	0.556	/
Ant.11#	DSI9	DFT-s- OFDM BPSK	SA	Front Side	15	633334	3500.01	1	271	0.08	0.119	19.55	20.00	1.109	0.132	/
	Back Side			15	633334	3500.01	1	271	-0.09	0.225	19.55	20.00	1.109	0.250	/	
	Front Side			15	633334	3500.01	135	0	0.08	0.118	19.50	20.00	1.122	0.132	/	
	Back Side			15	633334	3500.01	135	0	0.06	0.221	19.50	20.00	1.122	0.248	/	
Ant.12#	DSI4	DFT-s- OFDM BPSK	SA	Front Side	15	633334	3500.01	1	1	0.10	0.265	23.65	24.50	1.216	0.322	/
	Back Side			15	633334	3500.01	1	1	0.05	0.286	23.65	24.50	1.216	0.348	/	
	Front Side			15	633334	3500.01	135	138	0.09	0.263	23.36	24.50	1.300	0.342	/	
	Back Side			15	633334	3500.01	135	138	-0.13	0.283	23.36	24.50	1.300	0.368	/	
Ant.12#	DSI10	DFT-s- OFDM BPSK	SA	Front Side	15	633334	3500.01	1	271	-0.11	0.185	22.21	23.00	1.199	0.222	/
	Back Side			15	633334	3500.01	1	271	0.10	0.196	22.21	23.00	1.199	0.235	/	
	Front Side			15	633334	3500.01	135	138	0.15	0.181	22.11	23.00	1.227	0.222	/	
	Back Side			15	633334	3500.01	135	138	-0.10	0.190	22.11	23.00	1.227	0.233	/	
Ant.21#	DSI4	DFT-s- OFDM BPSK	SA	Front Side	15	633334	3500.01	1	1	0.08	0.305	22.01	22.50	1.119	0.341	/
	Back Side			15	633334	3500.01	1	1	0.15	0.229	22.01	22.50	1.119	0.256	/	
	Front Side			15	633334	3500.01	135	138	-0.03	0.295	21.55	22.50	1.245	0.367	/	
	Back Side			15	633334	3500.01	135	138	-0.01	0.223	21.55	22.50	1.245	0.278	/	
Ant.21#	DSI10	DFT-s- OFDM BPSK	SA	Front Side	15	633334	3500.01	1	271	-0.09	0.139	18.44	19.00	1.138	0.158	/
	Back Side			15	633334	3500.01	1	271	0.13	0.105	18.44	19.00	1.138	0.119	/	
	Front Side			15	633334	3500.01	135	0	-0.16	0.132	18.10	19.00	1.230	0.162	/	
	Back Side			15	633334	3500.01	135	0	0.04	0.103	18.10	19.00	1.230	0.127	/	
Ant.23#	DSI4	DFT-s- OFDM BPSK	SA	Front Side	15	633334	3500.01	1	271	0.06	0.110	20.21	21.00	1.199	0.132	/
	Back Side			15	633334	3500.01	1	271	0.12	0.209	20.21	21.00	1.199	0.251	/	
	Front Side			15	633334	3500.01	135	0	-0.16	0.106	20.31	21.00	1.172	0.124	/	
	Back Side			15	633334	3500.01	135	0	-0.12	0.204	20.31	21.00	1.172	0.239	/	
Ant.23#	DSI10	DFT-s- OFDM BPSK	SA	Front Side	15	633334	3500.01	1	271	0.00	0.059	17.74	18.50	1.191	0.070	/
	Back Side			15	633334	3500.01	1	271	0.13	0.113	17.74	18.50	1.191	0.135	/	
	Front Side			15	633334	3500.01	135	69	0.01	0.060	17.80	18.50	1.175	0.071	/	
	Back Side			15	633334	3500.01	135	69	-0.15	0.115	17.80	18.50	1.175	0.135	/	
Hotspot																
Ant.11#	DSI10	DFT-s- OFDM BPSK	SA	Front Side	10	633334	3500.01	1	271	0.05	0.142	19.55	20.00	1.109	0.157	/
	Back Side			10	633334	3500.01	1	271	-0.05	0.239	19.55	20.00	1.109	0.265	/	
	Right Edge			10	633334	3500.01	1	271	-0.12	0.658	19.55	20.00	1.109	<b>0.730</b>	98#	
	Top Edge			10	633334	3500.01	1	271	-0.11	0.056	19.55	20.00	1.109	0.062	/	
	Front Side			10	633334	3500.01	135	0	-0.03	0.132	19.50	20.00	1.122	0.148	/	
	Back Side			10	633334	3500.01	135	0	-0.02	0.218	19.50	20.00	1.122	0.245	/	
	Right Edge			10	633334	3500.01	135	0	0.04	0.605	19.50	20.00	1.122	0.679	/	
	Top Edge			10	633334	3500.01	135	0	0.07	0.053	19.50	20.00	1.122	0.059	/	
Ant.12#	DSI10	DFT-s-	SA	Front Side	10	633334	3500.01	1	271	0.07	0.356	22.21	23.00	1.199	0.427	/
	DSI10	OFDM		Back Side	10	633334	3500.01	1	271	-0.08	0.369	22.21	23.00	1.199	0.442	/
	DSI10	BPSK		Right Edge	10	633334	3500.01	1	271	-0.08	0.292	22.21	23.00	1.199	0.350	/

	DSI10			Top Edge	10	633334	3500.01	1	271	-0.10	0.301	22.21	23.00	1.199	0.361	/
	DSI10			Front Side	10	633334	3500.01	135	138	0.15	0.321	22.11	23.00	1.227	0.394	/
	DSI10			Back Side	10	633334	3500.01	135	138	-0.09	0.336	22.11	23.00	1.227	0.412	/
	DSI10			Right Edge	10	633334	3500.01	135	138	-0.07	0.275	22.11	23.00	1.227	0.337	/
	DSI10			Top Edge	10	633334	3500.01	135	138	-0.05	0.276	22.11	23.00	1.227	0.339	/
Ant.21#	DSI10	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	271	-0.13	0.277	18.44	19.00	1.138	0.315	/
	DSI10			Back Side	10	633334	3500.01	1	271	0.15	0.210	18.44	19.00	1.138	0.239	/
	DSI10			Left Edge	10	633334	3500.01	1	271	-0.05	0.096	18.44	19.00	1.138	0.109	/
	DSI10			Top Edge	10	633334	3500.01	1	271	0.03	0.370	18.44	19.00	1.138	0.421	/
	DSI10			Front Side	10	633334	3500.01	135	0	0.14	0.256	18.10	19.00	1.230	0.315	/
	DSI10			Back Side	10	633334	3500.01	135	0	0.09	0.208	18.10	19.00	1.230	0.256	/
	DSI10			Left Edge	10	633334	3500.01	135	0	0.08	0.096	18.10	19.00	1.230	0.118	/
	DSI10			Top Edge	10	633334	3500.01	135	0	0.08	0.329	18.10	19.00	1.230	0.405	/
Ant.23#	DSI10	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	271	0.09	0.146	17.74	18.50	1.191	0.174	/
	DSI10			Back Side	10	633334	3500.01	1	271	0.11	0.208	17.74	18.50	1.191	0.248	/
	DSI10			Left Edge	10	633334	3500.01	1	271	-0.08	0.432	17.74	18.50	1.191	0.515	/
	DSI10			Top Edge	10	633334	3500.01	1	271	-0.04	0.139	17.74	18.50	1.191	0.166	/
	DSI10			Front Side	10	633334	3500.01	135	69	0.04	0.138	17.80	18.50	1.175	0.162	/
	DSI10			Back Side	10	633334	3500.01	135	69	0.04	0.204	17.80	18.50	1.175	0.240	/
	DSI10			Left Edge	10	633334	3500.01	135	69	-0.08	0.446	17.80	18.50	1.175	0.524	/
	DSI10			Top Edge	10	633334	3500.01	135	69	-0.02	0.129	17.80	18.50	1.175	0.152	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																
Ant.11#	DSI5&8	DFT-s-OFDM	SA	Right Edge	0	633334	3500.01	1	271	0.01	1.760	19.55	20.00	1.109	1.952	/
	DSI5&8	BPSK		Right Edge	0	633334	3500.01	135	0	0.08	1.730	19.50	20.00	1.122	1.941	/
Ant.21#	DSI5	DFT-s-OFDM	SA	Top Edge	0	633334	3500.01	1	1	-0.01	1.430	22.01	22.50	1.119	1.600	/
	DSI5	BPSK		Top Edge	0	633334	3500.01	135	138	0.04	1.320	21.55	22.50	1.245	1.643	/
Ant.21#	DSI10	DFT-s-OFDM	SA	Top Edge	0	633334	3500.01	1	271	-0.14	0.802	18.44	19.00	1.138	0.913	/
	DSI10	BPSK		Top Edge	0	633334	3500.01	135	0	-0.12	0.742	18.10	19.00	1.230	0.913	/
Ant.23#	DSI5	DFT-s-OFDM	SA	Left Edge	0	633334	3500.01	1	271	-0.09	2.040	20.21	21.00	1.199	<b>2.446</b>	99#
	DSI5	BPSK		Left Edge	0	633334	3500.01	135	0	-0.16	1.850	20.31	21.00	1.172	2.168	/
Ant.23#	DSI10	DFT-s-OFDM	SA	Left Edge	0	633334	3500.01	1	1	0.08	1.120	17.74	18.50	1.191	1.334	/
	DSI10	BPSK		Left Edge	0	633334	3500.01	135	69	0.03	1.050	17.80	18.50	1.175	1.234	/

Senor(N-1)																
Ant.11#	DSI4	DFT-s-OFDM BPSK	SA	Front Side	3	633334	3500.01	1	271	0.13	0.643	23.48	24.00	1.127	0.725	/
	DSI4			Back Side	11	633334	3500.01	1	271	-0.10	0.393	23.48	24.00	1.127	0.443	/
	DSI4			Right Edge	12	633334	3500.01	1	271	-0.12	0.648	23.48	24.00	1.127	0.730	/
	DSI4			Front Side	3	633334	3500.01	135	0	0.10	0.635	23.66	24.00	1.081	0.686	/
	DSI4			Back Side	11	633334	3500.01	135	0	0.12	0.387	23.66	24.00	1.081	0.418	/
	DSI4			Right Edge	12	633334	3500.01	135	0	0.05	0.642	23.66	24.00	1.081	0.694	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

## 11.32 n78 (3700-3800MHz) (100MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune- power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.11#	DSI2&3	DFT-s- OFDM BPSK	SA	Left Cheek	0	650000	3750	1	137	-0.08	0.168	18.17	18.50	1.079	0.181	/
	DSI2&3			Left Tilt	0	650000	3750	1	137	0.06	0.037	18.17	18.50	1.079	0.040	/
	DSI2&3			Right Cheek	0	650000	3750	1	137	-0.11	0.354	18.17	18.50	1.079	0.382	/
	DSI2&3			Right Tilt	0	650000	3750	1	137	0.05	0.087	18.17	18.50	1.079	0.094	/
	DSI2&3			Left Cheek	0	650000	3750	135	69	0.06	0.162	18.19	18.50	1.074	0.174	/
	DSI2&3			Left Tilt	0	650000	3750	135	69	0.13	0.036	18.19	18.50	1.074	0.039	/
	DSI2&3			Right Cheek	0	650000	3750	135	69	0.10	0.334	18.19	18.50	1.074	0.359	/
	DSI2&3			Right Tilt	0	650000	3750	135	69	-0.07	0.079	18.19	18.50	1.074	0.085	/
Ant.12#	DSI2&3	DFT-s- OFDM BPSK	SA	Left Cheek	0	650000	3750	1	137	-0.10	0.163	17.09	18.00	1.233	0.201	/
	DSI2&3			Left Tilt	0	650000	3750	1	137	0.01	0.152	17.09	18.00	1.233	0.187	/
	DSI2&3			Right Cheek	0	650000	3750	1	137	0.16	0.664	17.09	18.00	1.233	0.819	100#
	DSI2&3			Right Tilt	0	650000	3750	1	137	0.07	0.417	17.09	18.00	1.233	0.514	/
	DSI2&3			Left Cheek	0	650000	3750	135	138	0.03	0.156	17.10	18.00	1.230	0.192	/
	DSI2&3			Left Tilt	0	650000	3750	135	138	-0.06	0.149	17.10	18.00	1.230	0.183	/
	DSI2&3			Right Cheek	0	650000	3750	135	138	0.10	0.636	17.10	18.00	1.230	0.782	/
	DSI2&3			Right Tilt	0	650000	3750	135	138	0.06	0.403	17.10	18.00	1.230	0.496	/
	DSI2&3			Left Cheek	0	650000	3750	270	0	-0.11	0.604	16.92	18.00	1.282	0.774	/
	DSI2&3															
Ant.21#	DSI2&3	DFT-s- OFDM BPSK	SA	Left Cheek	0	650000	3750	1	137	0.12	0.405	15.59	16.50	1.233	0.499	/
	DSI2&3			Left Tilt	0	650000	3750	1	137	0.03	0.552	15.59	16.50	1.233	0.681	/
	DSI2&3			Right Cheek	0	650000	3750	1	137	0.08	0.448	15.59	16.50	1.233	0.552	/
	DSI2&3			Right Tilt	0	650000	3750	1	137	0.13	0.470	15.59	16.50	1.233	0.580	/
	DSI2&3			Left Cheek	0	650000	3750	135	138	0.08	0.401	15.47	16.50	1.268	0.508	/
	DSI2&3			Left Tilt	0	650000	3750	135	138	-0.14	0.548	15.47	16.50	1.268	0.695	/
	DSI2&3			Right Cheek	0	650000	3750	135	138	0.13	0.429	15.47	16.50	1.268	0.544	/
	DSI2&3			Right Tilt	0	650000	3750	135	138	-0.14	0.458	15.47	16.50	1.268	0.581	/
	DSI2&3															
Ant.23#	DSI2&3	DFT-s- OFDM BPSK	SA	Left Cheek	0	650000	3750	1	137	-0.08	0.265	14.79	15.50	1.178	0.312	/
	DSI2&3			Left Tilt	0	650000	3750	1	137	-0.15	0.078	14.79	15.50	1.178	0.092	/
	DSI2&3			Right Cheek	0	650000	3750	1	137	-0.01	0.153	14.79	15.50	1.178	0.180	/
	DSI2&3			Right Tilt	0	650000	3750	1	137	-0.08	0.049	14.79	15.50	1.178	0.058	/
	DSI2&3			Left Cheek	0	650000	3750	135	0	0.10	0.262	14.85	15.50	1.161	0.304	/
	DSI2&3			Left Tilt	0	650000	3750	135	0	-0.10	0.076	14.85	15.50	1.161	0.088	/
	DSI2&3			Right Cheek	0	650000	3750	135	0	0.05	0.149	14.85	15.50	1.161	0.173	/
	DSI2&3			Right Tilt	0	650000	3750	135	0	0.08	0.051	14.85	15.50	1.161	0.059	/
	DSI2&3															
Body-worn																
Ant.11#	DSI4		SA	Front Side	15	650000	3750	1	271	-0.02	0.146	23.39	24.00	1.151	0.168	/
	DSI4			Back Side	15	650000	3750	1	271	0.04	0.293	23.39	24.00	1.151	0.337	/

	DSI4	DFT-s-		Front Side	15	650000	3750	135	69	-0.15	0.141	23.59	24.00	1.099	0.155	/
	DSI4	OFDM BPSK		Back Side	15	650000	3750	135	69	0.15	0.285	23.59	24.00	1.099	0.313	/
Ant.11#	DSI9	DFT-s- OFDM BPSK	SA	Front Side	15	650000	3750	1	137	-0.08	0.062	19.58	20.00	1.102	0.068	/
	Back Side			15	650000	3750	1	137	0.01	0.120	19.58	20.00	1.102	0.132	/	
	Front Side			15	650000	3750	135	0	-0.13	0.060	19.34	20.00	1.164	0.070	/	
	Back Side			15	650000	3750	135	0	-0.14	0.119	19.34	20.00	1.164	0.139	/	
Ant.12#	DSI4	DFT-s- OFDM BPSK	SA	Front Side	15	650000	3750	1	1	-0.05	0.296	23.65	24.50	1.216	0.360	/
	Back Side			15	650000	3750	1	1	-0.13	0.334	23.65	24.50	1.216	<b>0.406</b>	101#	
	Front Side			15	650000	3750	135	138	-0.11	0.275	23.64	24.50	1.219	0.335	/	
	Back Side			15	650000	3750	135	138	-0.02	0.318	23.64	24.50	1.219	0.388	/	
Ant.12#	DSI10	DFT-s- OFDM BPSK	SA	Front Side	15	650000	3750	1	1	0.05	0.167	22.26	23.00	1.186	0.198	/
	Back Side			15	650000	3750	1	1	0.11	0.173	22.26	23.00	1.186	0.205	/	
	Front Side			15	650000	3750	135	69	0.00	0.165	22.12	23.00	1.225	0.202	/	
	Back Side			15	650000	3750	135	69	-0.10	0.161	22.12	23.00	1.225	0.197	/	
Ant.21#	DSI4	DFT-s- OFDM BPSK	SA	Front Side	15	650000	3750	1	271	-0.03	0.241	21.47	22.50	1.268	0.306	/
	Back Side			15	650000	3750	1	271	0.01	0.171	21.47	22.50	1.268	0.217	/	
	Front Side			15	650000	3750	135	0	-0.03	0.234	21.39	22.50	1.291	0.302	/	
	Back Side			15	650000	3750	135	0	0.13	0.167	21.39	22.50	1.291	0.216	/	
Ant.21#	DSI10	DFT-s- OFDM BPSK	SA	Front Side	15	650000	3750	1	137	0.01	0.106	17.91	19.00	1.285	0.136	/
	Back Side			15	650000	3750	1	137	-0.03	0.076	17.91	19.00	1.285	0.098	/	
	Front Side			15	650000	3750	135	138	0.06	0.105	17.99	19.00	1.262	0.133	/	
	Back Side			15	650000	3750	135	138	-0.15	0.075	17.99	19.00	1.262	0.095	/	
Ant.23#	DSI4	DFT-s- OFDM BPSK	SA	Front Side	15	650000	3750	1	137	0.09	0.083	20.30	21.00	1.175	0.098	/
	Back Side			15	650000	3750	1	137	-0.09	0.133	20.30	21.00	1.175	0.156	/	
	Front Side			15	650000	3750	135	138	-0.12	0.076	20.27	21.00	1.183	0.090	/	
	Back Side			15	650000	3750	135	138	-0.08	0.124	20.27	21.00	1.183	0.147	/	
Ant.23#	DSI10	DFT-s- OFDM BPSK	SA	Front Side	15	650000	3750	1	137	-0.07	0.046	17.65	18.50	1.216	0.056	/
	Back Side			15	650000	3750	1	137	0.06	0.073	17.65	18.50	1.216	0.089	/	
	Front Side			15	650000	3750	135	138	0.01	0.045	17.80	18.50	1.175	0.053	/	
	Back Side			15	650000	3750	135	138	0.10	0.071	17.80	18.50	1.175	0.083	/	
Hotspot																
Ant.11#	DSI10	DFT-s- OFDM BPSK	SA	Front Side	10	650000	3750	1	137	-0.07	0.120	19.58	20.00	1.102	0.132	/
	Back Side			10	650000	3750	1	137	0.10	0.224	19.58	20.00	1.102	0.247	/	
	Right Edge			10	650000	3750	1	137	0.01	0.391	19.58	20.00	1.102	0.431	/	
	Top Edge			10	650000	3750	1	137	-0.07	0.031	19.58	20.00	1.102	0.034	/	
	Front Side			10	650000	3750	135	0	-0.16	0.113	19.34	20.00	1.164	0.132	/	
	Back Side			10	650000	3750	135	0	0.02	0.202	19.34	20.00	1.164	0.235	/	
	Right Edge			10	650000	3750	135	0	-0.11	0.365	19.34	20.00	1.164	0.425	/	
	Top Edge			10	650000	3750	135	0	0.06	0.025	19.34	20.00	1.164	0.029	/	
Ant.12#	DSI10	DFT-s-	SA	Front Side	10	650000	3750	1	1	0.03	0.486	22.26	23.00	1.186	0.576	/
	DSI10	OFDM		Back Side	10	650000	3750	1	1	-0.11	0.434	22.26	23.00	1.186	0.515	/
	DSI10	BPSK		Right Edge	10	650000	3750	1	1	-0.10	0.454	22.26	23.00	1.186	0.538	/

	DSI10			Top Edge	10	650000	3750	1	1	0.01	0.526	22.26	23.00	1.186	<b>0.624</b>	102#
	DSI10			Front Side	10	650000	3750	135	69	-0.16	0.422	22.12	23.00	1.225	0.517	/
	DSI10			Back Side	10	650000	3750	135	69	0.08	0.379	22.12	23.00	1.225	0.464	/
	DSI10			Right Edge	10	650000	3750	135	69	0.05	0.398	22.12	23.00	1.225	0.488	/
	DSI10			Top Edge	10	650000	3750	135	69	-0.12	0.393	22.12	23.00	1.225	0.481	/
Ant.21#	DSI10	DFT-s-OFDM BPSK	SA	Front Side	10	650000	3750	1	137	-0.15	0.221	17.91	19.00	1.285	0.284	/
	DSI10			Back Side	10	650000	3750	1	137	0.08	0.167	17.91	19.00	1.285	0.215	/
	DSI10			Left Edge	10	650000	3750	1	137	-0.07	0.071	17.91	19.00	1.285	0.091	/
	DSI10			Top Edge	10	650000	3750	1	137	0.01	0.272	17.91	19.00	1.285	0.350	/
	DSI10			Front Side	10	650000	3750	135	138	0.06	0.202	17.99	19.00	1.262	0.255	/
	DSI10			Back Side	10	650000	3750	135	138	0.12	0.153	17.99	19.00	1.262	0.193	/
	DSI10			Left Edge	10	650000	3750	135	138	-0.06	0.061	17.99	19.00	1.262	0.077	/
	DSI10			Top Edge	10	650000	3750	135	138	-0.09	0.248	17.99	19.00	1.262	0.313	/
Ant.23#	DSI10	DFT-s-OFDM BPSK	SA	Front Side	10	650000	3750	1	137	-0.12	0.095	17.65	18.50	1.216	0.116	/
	DSI10			Back Side	10	650000	3750	1	137	0.07	0.135	17.65	18.50	1.216	0.164	/
	DSI10			Left Edge	10	650000	3750	1	137	0.05	0.250	17.65	18.50	1.216	0.304	/
	DSI10			Top Edge	10	650000	3750	1	137	0.15	0.091	17.65	18.50	1.216	0.111	/
	DSI10			Front Side	10	650000	3750	135	138	-0.16	0.086	17.80	18.50	1.175	0.101	/
	DSI10			Back Side	10	650000	3750	135	138	0.07	0.119	17.80	18.50	1.175	0.140	/
	DSI10			Left Edge	10	650000	3750	135	138	-0.16	0.220	17.80	18.50	1.175	0.259	/
	DSI10			Top Edge	10	650000	3750	135	138	0.05	0.063	17.80	18.50	1.175	0.074	/

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

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
<b>Specific</b>																
Ant.11#	DSI5&8	DFT-s-OFDM BPSK	SA	Right Edge	0	650000	3750	1	137	0.02	0.947	19.58	20.00	1.102	1.044	/
	DSI5&8			Right Edge	0	650000	3750	135	0	0.01	0.898	19.34	20.00	1.164	1.045	/
Ant.12#	DSI4	DFT-s-OFDM BPSK	SA	Front Side	0	650000	3750	1	1	0.05	1.460	23.65	24.50	1.216	1.775	/
	DSI4			Back Side	0	650000	3750	1	1	0.15	1.380	23.65	24.50	1.216	1.678	/
	DSI4			Right Edge	0	650000	3750	1	1	0.00	2.220	23.65	24.50	1.216	<b>2.700</b>	103#
	DSI4			Top Edge	0	650000	3750	1	1	-0.08	1.390	23.65	24.50	1.216	1.690	/
	DSI4			Front Side	0	650000	3750	135	138	-0.06	1.350	23.64	24.50	1.219	1.646	/
	DSI4			Back Side	0	650000	3750	135	138	-0.08	1.210	23.64	24.50	1.219	1.475	/
	DSI4			Right Edge	0	650000	3750	135	138	0.07	2.050	23.64	24.50	1.219	2.499	/
	DSI4			Top Edge	0	650000	3750	135	138	-0.05	1.110	23.64	24.50	1.219	1.353	/
	DSI4			Right Edge	0	650000	3750	270	0	0.03	1.720	23.76	25.50	1.493	2.568	/
	DSI10			Front Side	0	650000	3750	1	1	-0.03	1.070	22.26	23.00	1.186	1.269	/
Ant.12#	DSI10	DFT-s-OFDM BPSK	SA	Back Side	0	650000	3750	1	1	-0.11	1.020	22.26	23.00	1.186	1.210	/
	DSI10			Right Edge	0	650000	3750	1	1	-0.02	1.650	22.26	23.00	1.186	1.957	/

	DSI10			Top Edge	0	650000	3750	1	1	-0.04	1.000	22.26	23.00	1.186	1.186	/
	DSI10			Front Side	0	650000	3750	135	69	0.12	0.972	22.12	23.00	1.225	1.191	/
	DSI10			Back Side	0	650000	3750	135	69	-0.09	0.874	22.12	23.00	1.225	1.071	/
	DSI10			Right Edge	0	650000	3750	135	69	-0.07	1.490	22.12	23.00	1.225	1.825	/
	DSI10			Top Edge	0	650000	3750	135	69	0.09	0.828	22.12	23.00	1.225	1.014	/
Senor(N-1)																
Ant.11#	DSI4	DFT-s-OFDM BPSK	SA	Front Side	3	650000	3750	1	271	0.09	0.419	23.39	24.00	1.151	0.482	/
	DSI4			Back Side	11	650000	3750	1	271	-0.11	0.261	23.39	24.00	1.151	0.300	/
	DSI4			Right Edge	12	650000	3750	1	271	-0.13	0.386	23.39	24.00	1.151	0.444	/
	DSI4			Front Side	3	650000	3750	135	69	0.11	0.415	23.59	24.00	1.099	0.456	/
	DSI4			Back Side	11	650000	3750	135	69	-0.15	0.261	23.59	24.00	1.099	0.287	/
	DSI4			Right Edge	12	650000	3750	135	69	-0.03	0.383	23.59	24.00	1.099	0.421	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

### 11.33 WIFI 2.4GHZ

Antenna	Power Reducti on	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune- power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.22#	Level1	802.11 b	Left Cheek	0	11	2462	0.17	0.727	15.74	17.00	1.337	98.20	1.018	0.989	104#
	Level1	802.11 b	Left Tilt	0	11	2462	-0.11	0.498	15.74	17.00	1.337	98.20	1.018	0.678	/
	Level1	802.11 b	Right Cheek	0	11	2462	0.10	0.306	15.74	17.00	1.337	98.20	1.018	0.416	/
	Level1	802.11 b	Right Tilt	0	11	2462	0.01	0.335	15.74	17.00	1.337	98.20	1.018	0.456	/
	Level1	802.11 b	Left Cheek	0	1	2412	-0.02	0.512	15.63	17.00	1.371	98.20	1.018	0.715	/
	Level1	802.11 b	Left Cheek	0	6	2437	-0.03	0.590	15.53	17.00	1.403	98.20	1.018	0.843	/
Ant.22#	Level2	802.11 b	Left Cheek	0	11	2462	-0.12	0.654	15.29	16.50	1.321	98.20	1.018	0.879	/
	Level2	802.11 b	Left Tilt	0	11	2462	0.14	0.444	15.29	16.50	1.321	98.20	1.018	0.597	/
	Level2	802.11 b	Right Cheek	0	11	2462	-0.15	0.278	15.29	16.50	1.321	98.20	1.018	0.374	/
	Level2	802.11 b	Right Tilt	0	11	2462	0.00	0.300	15.29	16.50	1.321	98.20	1.018	0.403	/
	Level2	802.11 b	Left Cheek	0	1	2412	-0.02	0.453	15.14	16.50	1.368	98.20	1.018	0.631	/
	Level2	802.11 b	Left Cheek	0	6	2437	0.01	0.528	15.12	16.50	1.374	98.20	1.018	0.739	/
Body-Wron															
Ant.22#	Level3	802.11 b	Front Side	15	11	2462	0.08	0.141	18.71	20.00	1.346	98.20	1.018	0.193	105#
	Level3	802.11 b	Back Side	15	11	2462	0.15	0.136	18.71	20.00	1.346	98.20	1.018	0.186	/
Ant.22#	Level4	802.11 b	Front Side	15	11	2462	0.07	0.072	15.74	17.00	1.337	98.20	1.018	0.098	/
	Level4	802.11 b	Back Side	15	11	2462	-0.02	0.069	15.74	17.00	1.337	98.20	1.018	0.094	/
Hotspot															
Ant.22#	Level4	802.11 b	Front Side	10	11	2462	0.06	0.134	15.74	17.00	1.337	98.20	1.018	0.182	/
	Level4	802.11 b	Back Side	10	11	2462	0.07	0.130	15.74	17.00	1.337	98.20	1.018	0.177	/
	Level4	802.11 b	Left Edge	10	11	2462	0.14	0.113	15.74	17.00	1.337	98.20	1.018	0.154	/
	Level4	802.11 b	Top Edge	10	11	2462	-0.04	0.192	15.74	17.00	1.337	98.20	1.018	0.261	106#
Note: Refer to ANNEX C for the detailed test data for each test configuration.															



Antenna	Power Reducti on	Mode	Position	Dist. (mm )	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Powe r(dBm)	Max. tune- power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	10 g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant.22#	Level3	802.11 b	Front Side	0	11	2462	0.03	1.250	18.71	20.00	1.346	98.20	1.018	1.713	/
	Level3	802.11 b	Back Side	0	11	2462	-0.07	1.180	18.71	20.00	1.346	98.20	1.018	1.617	/
	Level3	802.11 b	Left Edge	0	11	2462	-0.06	1.270	18.71	20.00	1.346	98.20	1.018	1.740	/
	Level3	802.11 b	Top Edge	0	11	2462	0.00	1.490	18.71	20.00	1.346	98.20	1.018	2.042	107#
	Level3	802.11 b	Top Edge	0	1	2412	0.03	1.320	18.60	20.00	1.380	98.20	1.018	1.854	/
	Level3	802.11 b	Top Edge	0	6	2437	0.02	1.050	18.54	20.00	1.400	98.20	1.018	1.496	/
Ant.22#	Level4	802.11 b	Front Side	0	11	2462	-0.06	0.603	15.74	17.00	1.337	98.20	1.018	0.821	/
	Level4	802.11 b	Back Side	0	11	2462	-0.13	0.569	15.74	17.00	1.337	98.20	1.018	0.774	/
	Level4	802.11 b	Left Edge	0	11	2462	0.08	0.621	15.74	17.00	1.337	98.20	1.018	0.845	/
	Level4	802.11 b	Top Edge	0	11	2462	0.00	0.708	15.74	17.00	1.337	98.20	1.018	0.964	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

## 11.34 WIFI 5GHz

Antenna	Band	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
<b>Head</b>																
Ant.22#	5.3G	Level1	802.11 ac(VHT80)	Left Cheek	0	58	5290	-0.03	0.688	14.88	16.00	1.294	92.10	1.086	<b>0.967</b>	108#
	5.3G	Level1	802.11 ac(VHT80)	Left Tilt	0	58	5290	0.12	0.472	14.88	16.00	1.294	92.10	1.086	0.663	/
	5.3G	Level1	802.11 ac(VHT80)	Right Cheek	0	58	5290	0.02	0.221	14.88	16.00	1.294	92.10	1.086	0.311	/
	5.3G	Level1	802.11 ac(VHT80)	Right Tilt	0	58	5290	0.15	0.213	14.88	16.00	1.294	92.10	1.086	0.299	/
Ant.22#	5.3G	Level2	802.11 ac(VHT80)	Left Cheek	0	58	5290	-0.15	0.348	11.86	13.00	1.300	92.10	1.086	0.491	/
	5.3G	Level2	802.11 ac(VHT80)	Left Tilt	0	58	5290	0.04	0.254	11.86	13.00	1.300	92.10	1.086	0.359	/
	5.3G	Level2	802.11 ac(VHT80)	Right Cheek	0	58	5290	-0.07	0.123	11.86	13.00	1.300	92.10	1.086	0.174	/
	5.3G	Level2	802.11 ac(VHT80)	Right Tilt	0	58	5290	-0.10	0.118	11.86	13.00	1.300	92.10	1.086	0.167	/
Ant.22#	5.6G	Level1	802.11 ac(VHT80)	Left Cheek	0	106	5530	-0.08	0.633	12.73	14.00	1.340	92.10	1.086	<b>0.921</b>	109#
	5.6G	Level1	802.11 ac(VHT80)	Left Tilt	0	106	5530	-0.06	0.483	12.73	14.00	1.340	92.10	1.086	0.703	/
	5.6G	Level1	802.11 ac(VHT80)	Right Cheek	0	106	5530	0.00	0.210	12.73	14.00	1.340	92.10	1.086	0.306	/
	5.6G	Level1	802.11 ac(VHT80)	Right Tilt	0	106	5530	-0.11	0.256	12.73	14.00	1.340	92.10	1.086	0.373	/
	5.6G	Level1	802.11 ac(VHT80)	Left Cheek	0	122	5610	0.03	0.519	12.17	14.00	1.524	92.10	1.086	0.859	/
	5.6G	Level1	802.11 ac(VHT80)	Left Cheek	0	138	5690	0.05	0.553	12.26	14.00	1.493	92.10	1.086	0.897	/
Ant.22#	5.6G	Level2	802.11 ac(VHT80)	Left Cheek	0	106	5530	0.06	0.335	10.27	11.50	1.327	92.10	1.086	0.483	/
	5.6G	Level2	802.11 ac(VHT80)	Left Tilt	0	106	5530	0.01	0.273	10.27	11.50	1.327	92.10	1.086	0.393	/
	5.6G	Level2	802.11 ac(VHT80)	Right Cheek	0	106	5530	0.12	0.116	10.27	11.50	1.327	92.10	1.086	0.167	/
	5.6G	Level2	802.11 ac(VHT80)	Right Tilt	0	106	5530	-0.05	0.138	10.27	11.50	1.327	92.10	1.086	0.199	/
Ant.22#	5.8G	Level1	802.11 ac(VHT80)	Left Cheek	0	155	5775	-0.05	0.680	14.21	15.50	1.346	92.10	1.086	<b>0.994</b>	110#
	5.8G	Level1	802.11 ac(VHT80)	Left Tilt	0	155	5775	-0.02	0.517	14.21	15.50	1.346	92.10	1.086	0.756	/
	5.8G	Level1	802.11 ac(VHT80)	Right Cheek	0	155	5775	0.11	0.183	14.21	15.50	1.346	92.10	1.086	0.268	/
	5.8G	Level1	802.11 ac(VHT80)	Right Tilt	0	155	5775	-0.14	0.238	14.21	15.50	1.346	92.10	1.086	0.348	/
Ant.22#	5.8G	Level2	802.11 ac(VHT80)	Left Cheek	0	155	5775	0.08	0.405	11.67	12.50	1.211	92.10	1.086	0.533	/
	5.8G	Level2	802.11 ac(VHT80)	Left Tilt	0	155	5775	0.02	0.303	11.67	12.50	1.211	92.10	1.086	0.398	/
	5.8G	Level2	802.11 ac(VHT80)	Right Cheek	0	155	5775	0.04	0.118	11.67	12.50	1.211	92.10	1.086	0.155	/
	5.8G	Level2	802.11 ac(VHT80)	Right Tilt	0	155	5775	0.07	0.146	11.67	12.50	1.211	92.10	1.086	0.192	/
<b>Body-worn</b>																
Ant.22#	5.3G	Level3	802.11 n(HT40)	Front Side	15	62	5310	0.05	0.160	17.82	19.00	1.312	94.50	1.058	0.222	/
	5.3G	Level3	802.11 n(HT40)	Back Side	15	62	5310	-0.18	0.292	17.82	19.00	1.312	94.50	1.058	<b>0.405</b>	111#
Ant.22#	5.3G	Level4	802.11 ac(VHT80)	Front Side	15	58	5290	0.06	0.041	11.86	13.00	1.300	92.10	1.086	0.058	/
	5.3G	Level4	802.11 ac(VHT80)	Back Side	15	58	5290	0.04	0.075	11.86	13.00	1.300	92.10	1.086	0.106	/
Ant.22#	5.6G	Level3	802.11 ac(VHT80)	Front Side	15	122	5610	-0.07	0.206	15.20	17.00	1.514	92.10	1.086	0.339	/
	5.6G	Level3	802.11 ac(VHT80)	Back Side	15	122	5610	-0.19	0.349	15.20	17.00	1.514	92.10	1.086	<b>0.574</b>	112#
Ant.22#	5.6G	Level4	802.11 ac(VHT80)	Front Side	15	106	5530	-0.04	0.085	11.76	13.00	1.330	92.10	1.086	0.123	/
	5.6G	Level4	802.11 ac(VHT80)	Back Side	15	106	5530	-0.03	0.145	11.76	13.00	1.330	92.10	1.086	0.209	/
Ant.22#	5.8G	Level3	802.11 n(HT40)	Front Side	15	159	5795	-0.15	0.154	16.68	18.00	1.355	94.50	1.058	0.221	/

	5.8G	Level3	802.11 n(HT40)	Back Side	15	159	5795	-0.06	0.309	16.68	18.00	1.355	94.50	1.058	<b>0.443</b>	113#
Ant.22#	5.8G	Level4	802.11 ac(VHT80)	Front Side	15	155	5775	-0.11	0.048	11.66	13.00	1.361	92.10	1.086	0.071	/
	5.8G	Level4	802.11 ac(VHT80)	Back Side	15	155	5775	-0.08	0.093	11.66	13.00	1.361	92.10	1.086	0.137	/
Hotspot																
Ant.22#	5.2G	Level3	802.11 n(HT40)	Front Side	10	38	5190	-0.12	0.225	17.20	19.00	1.514	94.50	1.058	0.360	/
	5.2G	Level3	802.11 n(HT40)	Back Side	10	38	5190	-0.14	0.285	17.20	19.00	1.514	94.50	1.058	0.457	/
	5.2G	Level3	802.11 n(HT40)	Left Edge	10	38	5190	-0.10	0.035	17.20	19.00	1.514	94.50	1.058	0.056	/
	5.2G	Level3	802.11 n(HT40)	Top Edge	10	38	5190	-0.05	0.442	17.20	19.00	1.514	94.50	1.058	<b>0.708</b>	114#
Ant.22#	5.2G	Level4	802.11 ac(VHT80)	Front Side	10	42	5210	0.09	0.054	11.05	13.00	1.567	92.10	1.086	0.092	/
	5.2G	Level4	802.11 ac(VHT80)	Back Side	10	42	5210	0.05	0.069	11.05	13.00	1.567	92.10	1.086	0.117	/
	5.2G	Level4	802.11 ac(VHT80)	Left Edge	10	42	5210	0.08	0.021	11.05	13.00	1.567	92.10	1.086	0.036	/
	5.2G	Level4	802.11 ac(VHT80)	Top Edge	10	42	5210	-0.09	0.105	11.05	13.00	1.567	92.10	1.086	0.179	/
Ant.22#	5.8G	Level3	802.11 n(HT40)	Front Side	10	159	5795	-0.03	0.209	16.68	18.00	1.355	94.50	1.058	0.300	/
	5.8G	Level3	802.11 n(HT40)	Back Side	10	159	5795	0.15	0.359	16.68	18.00	1.355	94.50	1.058	0.515	/
	5.8G	Level3	802.11 n(HT40)	Left Edge	10	159	5795	-0.11	0.282	16.68	18.00	1.355	94.50	1.058	0.404	/
	5.8G	Level3	802.11 n(HT40)	Top Edge	10	159	5795	0.03	0.524	16.68	18.00	1.355	94.50	1.058	<b>0.751</b>	115#
Ant.22#	5.8G	Level4	802.11 ac(VHT80)	Front Side	10	155	5775	-0.14	0.062	11.66	13.00	1.361	92.10	1.086	0.092	/
	5.8G	Level4	802.11 ac(VHT80)	Back Side	10	155	5775	-0.08	0.119	11.66	13.00	1.361	92.10	1.086	0.176	/
	5.8G	Level4	802.11 ac(VHT80)	Left Edge	10	155	5775	0.10	0.083	11.66	13.00	1.361	92.10	1.086	0.123	/
	5.8G	Level4	802.11 ac(VHT80)	Top Edge	10	155	5775	-0.02	0.156	11.66	13.00	1.361	92.10	1.086	0.231	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

Antenna	Band	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	10 g Scaled SAR (W/kg)	Meas. No.
Specific																
Ant.22#	5.3G	Level3	802.11 n(HT40)	Front Side	0	62	5310	-0.12	0.828	17.82	19.00	1.312	94.50	1.058	1.149	/
	5.3G	Level3	802.11 n(HT40)	Back Side	0	62	5310	-0.14	0.579	17.82	19.00	1.312	94.50	1.058	0.804	/
	5.3G	Level3	802.11 n(HT40)	Left Edge	0	62	5310	0.14	1.420	17.82	19.00	1.312	94.50	1.058	1.971	116#
	5.3G	Level3	802.11 n(HT40)	Top Edge	0	62	5310	-0.12	1.030	17.82	19.00	1.312	94.50	1.058	1.430	/
Ant.22#	5.3G	Level4	802.11 ac(VHT80)	Front Side	0	58	5290	-0.12	0.196	11.86	13.00	1.300	92.10	1.086	0.277	/
	5.3G	Level4	802.11 ac(VHT80)	Back Side	0	58	5290	0.11	0.137	11.86	13.00	1.300	92.10	1.086	0.193	/
	5.3G	Level4	802.11 ac(VHT80)	Left Edge	0	58	5290	0.09	0.340	11.86	13.00	1.300	92.10	1.086	0.480	/
	5.3G	Level4	802.11 ac(VHT80)	Top Edge	0	58	5290	0.12	0.241	11.86	13.00	1.300	92.10	1.086	0.340	/
Ant.22#	5.6G	Level3	802.11 ac(VHT80)	Front Side	0	122	5610	-0.01	0.651	15.20	17.00	1.514	92.10	1.086	1.070	/
	5.6G	Level3	802.11 ac(VHT80)	Back Side	0	122	5610	0.03	0.371	15.20	17.00	1.514	92.10	1.086	0.610	/
	5.6G	Level3	802.11 ac(VHT80)	Left Edge	0	122	5610	0.14	0.739	15.20	17.00	1.514	92.10	1.086	1.215	/
	5.6G	Level3	802.11 ac(VHT80)	Top Edge	0	122	5610	-0.09	1.080	15.20	17.00	1.514	92.10	1.086	1.776	117#
Ant.22#	5.6G	Level4	802.11 ac(VHT80)	Front Side	0	106	5530	-0.11	0.267	11.76	13.00	1.330	92.10	1.086	0.386	/
	5.6G	Level4	802.11 ac(VHT80)	Back Side	0	106	5530	0.01	0.153	11.76	13.00	1.330	92.10	1.086	0.221	/
	5.6G	Level4	802.11 ac(VHT80)	Left Edge	0	106	5530	-0.04	0.300	11.76	13.00	1.330	92.10	1.086	0.433	/
	5.6G	Level4	802.11 ac(VHT80)	Top Edge	0	106	5530	0.04	0.441	11.76	13.00	1.330	92.10	1.086	0.637	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

## 11.35 Bluetooth

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune- power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.22#	DH5	Left Cheek	0	39	2441	0.02	0.153	11.04	12.50	1.400	76.97	1.299	<b>0.278</b>	118#
	DH5	Left Tilt	0	39	2441	-0.10	0.143	11.04	12.50	1.400	76.97	1.299	0.260	/
	DH5	Right Cheek	0	39	2441	0.11	0.095	11.04	12.50	1.400	76.97	1.299	0.173	/
	DH5	Right Tilt	0	39	2441	0.12	0.093	11.04	12.50	1.400	76.97	1.299	0.169	/
Body-worn														
Ant.22#	DH5	Front Side	15	39	2441	0.11	0.016	11.04	12.50	1.400	76.97	1.299	<b>0.029</b>	119#
	DH5	Back Side	15	39	2441	-0.01	0.014	11.04	12.50	1.400	76.97	1.299	0.025	/
Hotspot														
Ant.22#	DH5	Front Side	10	39	2441	-0.05	0.024	11.04	12.50	1.400	76.97	1.299	0.044	/
	DH5	Back Side	10	39	2441	0.00	0.024	11.04	12.50	1.400	76.97	1.299	0.044	/
	DH5	Left Edge	10	39	2441	0.05	0.021	11.04	12.50	1.400	76.97	1.299	0.038	/
	DH5	Top Edge	10	39	2441	0.14	0.035	11.04	12.50	1.400	76.97	1.299	<b>0.064</b>	120#
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune- power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	10 g Scaled SAR (W/kg)	Meas. No.
Specific														
Ant.22#	DH5	Front Side	0	39	2441	-0.01	0.088	11.04	12.50	1.400	76.97	1.299	0.160	/
	DH5	Back Side	0	39	2441	0.04	0.085	11.04	12.50	1.400	76.97	1.299	0.155	/
	DH5	Left Edge	0	39	2441	0.07	0.089	11.04	12.50	1.400	76.97	1.299	0.162	/
	DH5	Top Edge	0	39	2441	-0.12	0.104	11.04	12.50	1.400	76.97	1.299	<b>0.189</b>	121#
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

### 11.36 NFC SAR

1. According to the 2022.04 TCBC Workshop meeting, the power threshold is  $\leq 100\text{MHz}$ , refer to P6s.

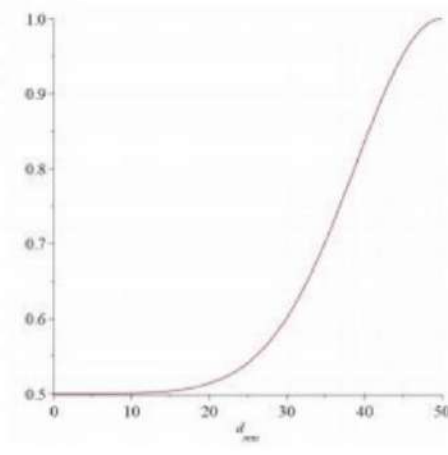
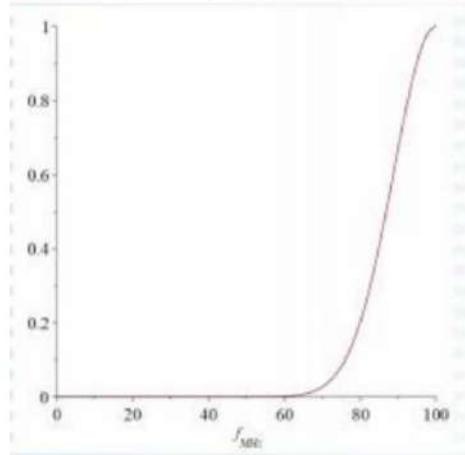
$$P_{7X}(d_{mm}, f_{MHz}) := \begin{cases} P_{6S}(d_{mm}, f_{MHz}) & f_{MHz} \leq 100 \\ P_{6to7}(d_{mm}, f_{MHz}) & 100 < f_{MHz} \leq 300 \\ P_7(d_{mm}, f_{MHz}) & 300 < f_{MHz} \end{cases}$$

2. For portable products, when using a distance of  $\leq 50\text{mm}$ , such as mobile phone NFC, P6s is calculated with the following formula calculate.

$$S_f(f_{MHz}) \cdot P_{431a}(d_{mm}, f_{MHz}) + (1 - S_f(f_{MHz})) \cdot S_d(d_{mm}) P_{431bl}(50., 100.) \cdot \left(1 + \log_{10}\left(\frac{100.}{f_{MHz}}\right)\right) \quad d_{mm} \leq 50 \text{ and } f_{MHz} \leq 100$$

3. The smoothing functions Sf and Sd in P6s calculate the limits based on KDB 447498 V06 and are calculated as follows.

$$S_f(f_{MHz}) := \exp\left(-10 \frac{(f_{MHz} - f_{max})^2}{\Delta f^2}\right) \quad S_d(d_{mm}) := 0.5 + 0.5 \cdot \exp\left(-10 \frac{(d_{mm} - d_{max})^2}{\Delta d^2}\right)$$



d≤50mm				
f Max(MHz)	100		d Max(mm)	50
f MHz	13.56		d(mm)	5
△f(MHz)	100		△d	50
Sf(fMHz)	0.000568861		Sd ( dmm )	0.50015177
P6s(mW)	443.1257378			
Note: SAR testing is required when the distance is 5mm and the power is greater than 443.13mW.				

4. According to the ANSI C63.10 clause 11.12.2.2:

The value of maximum peak output power is according to the method described in ANSI C63.10 clause 11.12.2.2 General procedure for conducted measurements in restricted bands:

- a) Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
- b) Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP level (see guidance on determining the applicable antenna gain)
- c) Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies  $\leq$  30 MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies  $>$  1000 MHz).
- d) For devices with multiple antenna-ports, measure the power of each individual chain and sum the EIRP of all chains in linear terms (e.g., Watts, mW).
- e) Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:  $E = \text{EIRP} - 20\log D + 104.8$

where:

E = electric field strength in dB $\mu$ V/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

Mode	f (MHz)	Max. E-Field strength (dB $\mu$ V/m)	D (m)	Ground reflection factor (dB)	ERP (dBm)
NFC (13.56MHz)	13.56	58.27	10	6	-20.53
Note: 1. Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies $\leq$ 30 MHz). 2.ERP= 58.27+20*Log(10) - 104.8 + 6 =-20.53 (dBm)					

According to the FCC KDB 447498 D04

Estimated SAR: SAR test =  $1.6 \cdot P_{\text{ant}} / P_{\text{th}}$  [W/kg]

Estimated SAR	$1.6 \cdot P_{\text{ant}} / P_{\text{th}}$ [W/kg]		
Pmeas.(dBm)	-20.53	Pmeas.(mW)	0.00885
Pth.(mW)	443.13		
NFC Estimated 1g SAR [W/kg]	<0.001		

### 11.36.1 Highest Total Exposure Ratio of Simultaneous Transmission

NFC multi-transmit requires the use of the TER formula:

$$TER = \sum_{k=1}^{N_s} \left( \frac{SAR_k}{SAR_{lim}} \right) + \sum_{k=1}^{N_f} \left( \frac{MPE_{field, k}}{MPE_{field, lim}} \right)^2 + \sum_{k=1}^{N_{PD}} \left( \frac{MPE_{PD, k}}{MPE_{PD, lim}} \right)$$

The maximum SAR value for Simultaneous Transmission is 1.397 [W/kg]. Therefore, the worst TER  $= (1.397 + 0.001) / 1.6 = 0.874 < 1$ , the NFC SAR transmit simultaneously Pass.



## 12 SAR Measurement Variability

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

SAR repeated measurement procedure:

1. When the highest measured SAR is  $< 0.80$  W/kg, repeated measurement is not required.
2. When the highest measured SAR is  $\geq 0.80$  W/kg, repeat that measurement once.
3. If the ratio of largest to smallest SAR for the original and first repeated measurements is  $> 1.20$ , or when the original or repeated measurement is  $\geq 1.45$  W/kg, perform a second repeated measurement.
4. If the ratio of largest to smallest SAR for the original, first and second repeated measurements is  $> 1.20$ , and the original, first or second repeated measurement is  $\geq 1.5$  W/kg, perform a third repeated measurement.
5. The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.

Frequency Band (MHz)	Wireless Band	RF Exposure Conditions	Test Position	Highest Measured SAR (W/kg)	Repeated SAR (Yes/No)	Repeated <sup>1st</sup> Measured SAR (W/kg)	Largest to Smallest SAR Radio
1745	LTE Band4	Specific	Bottom Edge	2.010	Yes	1.960	1.03
2535	LTE Band7	Specific	Top Edge	2.220	Yes	2.130	1.04
1720	LTE Band66	Specific	Bottom Edge	2.000	Yes	1.930	1.04
2580	LTE Band38	Specific	Top Edge	2.040	Yes	1.900	1.07
2636.5	LTE Band41	Specific	Right Edge	2.080	Yes	2.010	1.03
2550	NR n7	Specific	Top Edge	2.380	Yes	2.250	1.06
1760	NR n66	Head	Right Tilt	0.851	Yes	0.839	1.01
2569.5	NR n41	Hotspot	Top Edge	0.894	Yes	0.874	1.02
2616.51	NR n41	Specific	Top Edge	2.050	Yes	1.910	1.07
3500.01	NR n77	Head	Right Cheek	0.804	Yes	0.796	1.01
3500.01	NR n78	Specific	Left Edge	2.040	Yes	2.010	1.01
3750	NR n78	Specific	Right Edge	2.220	Yes	2.060	1.08

Note: The ratio of largest to smallest SAR for the original and first repeated measurements is < 1.20, the second repeated measurement. is not required.

## 13 SIMULTANEOUS TRANSMISSION

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

### 13.1 Simultaneous Transmission Mode Consider

No.	Simultaneous Tx Combination	Head	Body-worn	Hotspot	Specific
1	WIFI 5GHz + BT	Yes	Yes	Yes	Yes
2	WWAN+WIFI 2.4GHz	Yes	Yes	Yes	Yes
3	WWAN+WIFI 5GHz	Yes	Yes	Yes	Yes
4	WWAN+BT	Yes	Yes	Yes	Yes
5	WWAN+WIFI 5GHz + BT	Yes	Yes	Yes	Yes

Note:

1. WWAN antennas can switch automatically, the standards supported by WWAN are(GSM Voice/GPRS/EDGE/WCDMA/LTE/SA(5G NR)/EN-DC(LTE + 5G NR)).
2. WiFi 2.4G and Bluetooth share the same antenna, and can't transmit simultaneously.
3. When stand-alone SAR is not required for a side of antenna, its SAR is considered zero in the SAR summing process to assess Multi-band transmission SAR compliance.
4. The maximum SAR summation is calculated based on the same configuration and test position.

## 13.2 Sum SAR of Simultaneous Transmission

### 13.2.1 Head Simultaneous Transmission SAR Evaluation for WLAN with BT

Position	Stand alone SAR		SUM SAR
	1	2	
	5GWIFI Max.	Bluetooth	1+2
	Level1		
Left Cheek	0.994	0.278	<b>1.272</b>
Left Tilt	0.756	0.260	1.016
Right Cheek	0.311	0.173	0.484
Right Tilt	0.373	0.169	0.542

Note:

1: The highest Summed 1g SAR is 1.272 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

### 13.2.2 Body-Worn Simultaneous Transmission SAR Evaluation for WLAN with BT

Position	Stand alone SAR		SUM SAR
	1	2	
	5GWIFI Max.	Bluetooth	1+2
	Level3		
Front Side 15mm	0.339	0.029	0.368
Back Side 15mm	0.574	0.025	<b>0.599</b>

Note:

1: The highest Summed 1g SAR is 0.599 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

### 13.2.3 Hotspot Simultaneous Transmission SAR Evaluation for WLAN with BT

Position	Stand alone SAR		SUM SAR
	1	2	
	5GWIFI Max.	Bluetooth	1+2
	Level3		
Front Side 10mm	0.360	0.044	0.404
Back Side 10mm	0.515	0.044	0.559
Left Edge 10mm	0.404	0.038	0.442
Right Edge 10mm	0.000	0.000	0.000
Top Edge 10mm	0.751	0.064	<b>0.815</b>
Bottom Edge 10mm	0.000	0.000	0.000

Note:

1: The highest Summed 1g SAR is 0.815 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.4 Specific Simultaneous Transmission SAR Evaluation for WLAN with BT

Position	Stand alone SAR		SUM SAR
	1	2	
	5GWIFI Max.	Bluetooth	1+2
	Level3		
Front Side 0mm	1.149	0.160	1.309
Back Side 0mm	0.804	0.155	0.959
Left Edge 0mm	1.971	0.162	<b>2.133</b>
Right Edge 0mm	0.000	0.000	0.000
Top Edge 0mm	1.776	0.189	1.965
Bottom Edge 0mm	0.000	0.000	0.000

Note:  
1: The highest Summed 10g SAR is 2.133 W/Kg < 4.0 W/kg, so Simultaneous Transmission SAR test is not required.

## 13.2.5 Head Simultaneous Transmission SAR Evaluation for WWAN and WLAN and BT

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4GWIFI	5GWIFI Max.	Bluetooth	1+2	1+3+4
			DSI3	Level2	Level2			
GSM850	Ant.13	Left Cheek	0.384	0.879	0.533	0.278	1.263	1.195
		Left Tilt	0.366	0.597	0.398	0.260	0.963	1.024
		Right Cheek	0.612	0.374	0.174	0.173	0.986	0.959
		Right Tilt	0.531	0.403	0.199	0.169	0.934	0.899
GSM850	Ant.31	Left Cheek	0.247	0.879	0.533	0.278	1.126	1.058
		Left Tilt	0.129	0.597	0.398	0.260	0.726	0.787
		Right Cheek	0.194	0.374	0.174	0.173	0.568	0.541
		Right Tilt	0.110	0.403	0.199	0.169	0.513	0.478
GSM1900	Ant.13	Left Cheek	0.448	0.879	0.533	0.278	1.327	1.259
		Left Tilt	0.557	0.597	0.398	0.260	1.154	1.215
		Right Cheek	0.781	0.374	0.174	0.173	1.155	1.128
		Right Tilt	0.915	0.403	0.199	0.169	1.318	1.283
GSM1900	Ant.31	Left Cheek	0.084	0.879	0.533	0.278	0.963	0.895
		Left Tilt	0.045	0.597	0.398	0.260	0.642	0.703
		Right Cheek	0.068	0.374	0.174	0.173	0.442	0.415
		Right Tilt	0.040	0.403	0.199	0.169	0.443	0.408
WCDMA B2	Ant.13	Left Cheek	0.439	0.879	0.533	0.278	1.318	1.250
		Left Tilt	0.557	0.597	0.398	0.260	1.154	1.215
		Right Cheek	0.636	0.374	0.174	0.173	1.010	0.983
		Right Tilt	0.908	0.403	0.199	0.169	1.311	1.276
WCDMA B2	Ant.31	Left Cheek	0.189	0.879	0.533	0.278	1.068	1.000
		Left Tilt	0.091	0.597	0.398	0.260	0.688	0.749
		Right Cheek	0.135	0.374	0.174	0.173	0.509	0.482
		Right Tilt	0.106	0.403	0.199	0.169	0.509	0.474
WCDMA B4	Ant.13	Left Cheek	0.453	0.879	0.533	0.278	1.332	1.264
		Left Tilt	0.493	0.597	0.398	0.260	1.090	1.151
		Right Cheek	0.638	0.374	0.174	0.173	1.012	0.985
		Right Tilt	0.840	0.403	0.199	0.169	1.243	1.208
WCDMA B4	Ant.31	Left Cheek	0.110	0.879	0.533	0.278	0.989	0.921
		Left Tilt	0.062	0.597	0.398	0.260	0.659	0.720
		Right Cheek	0.082	0.374	0.174	0.173	0.456	0.429
		Right Tilt	0.060	0.403	0.199	0.169	0.463	0.428
WCDMA B5	Ant.13	Left Cheek	0.460	0.879	0.533	0.278	1.339	1.271
		Left Tilt	0.487	0.597	0.398	0.260	1.084	1.145
		Right Cheek	0.895	0.374	0.174	0.173	1.269	1.242
		Right Tilt	0.703	0.403	0.199	0.169	1.106	1.071
WCDMA B5	Ant.31	Left Cheek	0.225	0.879	0.533	0.278	1.104	1.036

		Left Tilt	0.123	0.597	0.398	0.260	0.720	0.781
		Right Cheek	0.175	0.374	0.174	0.173	0.549	0.522
		Right Tilt	0.099	0.403	0.199	0.169	0.502	0.467
LTE B2	Ant.13	Left Cheek	0.515	0.879	0.533	0.278	1.394	1.326
		Left Tilt	0.715	0.597	0.398	0.260	1.312	1.373
		Right Cheek	0.796	0.374	0.174	0.173	1.170	1.143
		Right Tilt	0.994	0.403	0.199	0.169	<b>1.397</b>	1.362
LTE B2	Ant.31	Left Cheek	0.183	0.879	0.533	0.278	1.062	0.994
		Left Tilt	0.082	0.597	0.398	0.260	0.679	0.740
		Right Cheek	0.126	0.374	0.174	0.173	0.500	0.473
		Right Tilt	0.080	0.403	0.199	0.169	0.483	0.448
LTE B4	Ant.13	Left Cheek	0.463	0.879	0.533	0.278	1.342	1.274
		Left Tilt	0.574	0.597	0.398	0.260	1.171	1.232
		Right Cheek	0.747	0.374	0.174	0.173	1.121	1.094
		Right Tilt	0.902	0.403	0.199	0.169	1.305	1.270
LTE B4	Ant.11	Left Cheek	0.422	0.879	0.533	0.278	1.301	1.233
		Left Tilt	0.233	0.597	0.398	0.260	0.830	0.891
		Right Cheek	0.897	0.374	0.174	0.173	1.271	1.244
		Right Tilt	0.207	0.403	0.199	0.169	0.610	0.575
LTE B4	Ant.31	Left Cheek	0.114	0.879	0.533	0.278	0.993	0.925
		Left Tilt	0.061	0.597	0.398	0.260	0.658	0.719
		Right Cheek	0.070	0.374	0.174	0.173	0.444	0.417
		Right Tilt	0.066	0.403	0.199	0.169	0.469	0.434
LTE B5	Ant.13	Left Cheek	0.471	0.879	0.533	0.278	1.350	1.282
		Left Tilt	0.516	0.597	0.398	0.260	1.113	1.174
		Right Cheek	0.861	0.374	0.174	0.173	1.235	1.208
		Right Tilt	0.696	0.403	0.199	0.169	1.099	1.064
LTE B5	Ant.31	Left Cheek	0.224	0.879	0.533	0.278	1.103	1.035
		Left Tilt	0.126	0.597	0.398	0.260	0.723	0.784
		Right Cheek	0.178	0.374	0.174	0.173	0.552	0.525
		Right Tilt	0.094	0.403	0.199	0.169	0.497	0.462
LTE B7	Ant.13	Left Cheek	0.302	0.879	0.533	0.278	1.181	1.113
		Left Tilt	0.404	0.597	0.398	0.260	1.001	1.062
		Right Cheek	0.620	0.374	0.174	0.173	0.994	0.967
		Right Tilt	0.776	0.403	0.199	0.169	1.179	1.144
LTE B7	Ant.11	Left Cheek	0.265	0.879	0.533	0.278	1.144	1.076
		Left Tilt	0.074	0.597	0.398	0.260	0.671	0.732
		Right Cheek	0.804	0.374	0.174	0.173	1.178	1.151
		Right Tilt	0.124	0.403	0.199	0.169	0.527	0.492
LTE B7	Ant.31	Left Cheek	0.196	0.879	0.533	0.278	1.075	1.007
		Left Tilt	0.133	0.597	0.398	0.260	0.730	0.791
		Right Cheek	0.331	0.374	0.174	0.173	0.705	0.678
		Right Tilt	0.211	0.403	0.199	0.169	0.614	0.579

LTE B12	Ant.13	Left Cheek	0.324	0.879	0.533	0.278	1.203	1.135
		Left Tilt	0.364	0.597	0.398	0.260	0.961	1.022
		Right Cheek	0.665	0.374	0.174	0.173	1.039	1.012
		Right Tilt	0.603	0.403	0.199	0.169	1.006	0.971
LTE B12	Ant.31	Left Cheek	0.194	0.879	0.533	0.278	1.073	1.005
		Left Tilt	0.109	0.597	0.398	0.260	0.706	0.767
		Right Cheek	0.139	0.374	0.174	0.173	0.513	0.486
		Right Tilt	0.079	0.403	0.199	0.169	0.482	0.447
LTE B13	Ant.13	Left Cheek	0.484	0.879	0.533	0.278	1.363	1.295
		Left Tilt	0.445	0.597	0.398	0.260	1.042	1.103
		Right Cheek	0.854	0.374	0.174	0.173	1.228	1.201
		Right Tilt	0.739	0.403	0.199	0.169	1.142	1.107
LTE B13	Ant.31	Left Cheek	0.209	0.879	0.533	0.278	1.088	1.020
		Left Tilt	0.128	0.597	0.398	0.260	0.725	0.786
		Right Cheek	0.158	0.374	0.174	0.173	0.532	0.505
		Right Tilt	0.099	0.403	0.199	0.169	0.502	0.467
LTE B17	Ant.13	Left Cheek	0.329	0.879	0.533	0.278	1.208	1.140
		Left Tilt	0.350	0.597	0.398	0.260	0.947	1.008
		Right Cheek	0.661	0.374	0.174	0.173	1.035	1.008
		Right Tilt	0.635	0.403	0.199	0.169	1.038	1.003
LTE B17	Ant.31	Left Cheek	0.183	0.879	0.533	0.278	1.062	0.994
		Left Tilt	0.109	0.597	0.398	0.260	0.706	0.767
		Right Cheek	0.138	0.374	0.174	0.173	0.512	0.485
		Right Tilt	0.080	0.403	0.199	0.169	0.483	0.448
LTE B18	Ant.13	Left Cheek	0.393	0.879	0.533	0.278	1.272	1.204
		Left Tilt	0.367	0.597	0.398	0.260	0.964	1.025
		Right Cheek	0.661	0.374	0.174	0.173	1.035	1.008
		Right Tilt	0.595	0.403	0.199	0.169	0.998	0.963
LTE B18	Ant.31	Left Cheek	0.152	0.879	0.533	0.278	1.031	0.963
		Left Tilt	0.083	0.597	0.398	0.260	0.680	0.741
		Right Cheek	0.131	0.374	0.174	0.173	0.505	0.478
		Right Tilt	0.069	0.403	0.199	0.169	0.472	0.437
LTE B19	Ant.13	Left Cheek	0.428	0.879	0.533	0.278	1.307	1.239
		Left Tilt	0.448	0.597	0.398	0.260	1.045	1.106
		Right Cheek	0.730	0.374	0.174	0.173	1.104	1.077
		Right Tilt	0.622	0.403	0.199	0.169	1.025	0.990
LTE B19	Ant.31	Left Cheek	0.208	0.879	0.533	0.278	1.087	1.019
		Left Tilt	0.112	0.597	0.398	0.260	0.709	0.770
		Right Cheek	0.160	0.374	0.174	0.173	0.534	0.507
		Right Tilt	0.084	0.403	0.199	0.169	0.487	0.452
LTE B26	Ant.13	Left Cheek	0.464	0.879	0.533	0.278	1.343	1.275
		Left Tilt	0.472	0.597	0.398	0.260	1.069	1.130
		Right Cheek	0.868	0.374	0.174	0.173	1.242	1.215



		Right Tilt	0.700	0.403	0.199	0.169	1.103	1.068
LTE B26	Ant.31	Left Cheek	0.194	0.879	0.533	0.278	1.073	1.005
		Left Tilt	0.108	0.597	0.398	0.260	0.705	0.766
		Right Cheek	0.156	0.374	0.174	0.173	0.530	0.503
		Right Tilt	0.080	0.403	0.199	0.169	0.483	0.448
LTE B66	Ant.13	Left Cheek	0.508	0.879	0.533	0.278	1.387	1.319
		Left Tilt	0.629	0.597	0.398	0.260	1.226	1.287
		Right Cheek	0.766	0.374	0.174	0.173	1.140	1.113
		Right Tilt	0.961	0.403	0.199	0.169	1.364	1.329
LTE B66	Ant.11	Left Cheek	0.318	0.879	0.533	0.278	1.197	1.129
		Left Tilt	0.165	0.597	0.398	0.260	0.762	0.823
		Right Cheek	0.820	0.374	0.174	0.173	1.194	1.167
		Right Tilt	0.188	0.403	0.199	0.169	0.591	0.556
LTE B66	Ant.31	Left Cheek	0.114	0.879	0.533	0.278	0.993	0.925
		Left Tilt	0.065	0.597	0.398	0.260	0.662	0.723
		Right Cheek	0.079	0.374	0.174	0.173	0.453	0.426
		Right Tilt	0.062	0.403	0.199	0.169	0.465	0.430
LTE B38	Ant.13	Left Cheek	0.282	0.879	0.533	0.278	1.161	1.093
		Left Tilt	0.351	0.597	0.398	0.260	0.948	1.009
		Right Cheek	0.606	0.374	0.174	0.173	0.980	0.953
		Right Tilt	0.922	0.403	0.199	0.169	1.325	1.290
LTE B38	Ant.11	Left Cheek	0.336	0.879	0.533	0.278	1.215	1.147
		Left Tilt	0.085	0.597	0.398	0.260	0.682	0.743
		Right Cheek	0.923	0.374	0.174	0.173	1.297	1.270
		Right Tilt	0.162	0.403	0.199	0.169	0.565	0.530
LTE B38	Ant.31	Left Cheek	0.138	0.879	0.533	0.278	1.017	0.949
		Left Tilt	0.123	0.597	0.398	0.260	0.720	0.781
		Right Cheek	0.266	0.374	0.174	0.173	0.640	0.613
		Right Tilt	0.112	0.403	0.199	0.169	0.515	0.480
LTE B41	Ant.13	Left Cheek	0.241	0.879	0.533	0.278	1.120	1.052
		Left Tilt	0.329	0.597	0.398	0.260	0.926	0.987
		Right Cheek	0.506	0.374	0.174	0.173	0.880	0.853
		Right Tilt	0.885	0.403	0.199	0.169	1.288	1.253
LTE B41	Ant.11	Left Cheek	0.272	0.879	0.533	0.278	1.151	1.083
		Left Tilt	0.075	0.597	0.398	0.260	0.672	0.733
		Right Cheek	0.840	0.374	0.174	0.173	1.214	1.187
		Right Tilt	0.134	0.403	0.199	0.169	0.537	0.502
LTE B41	Ant.31	Left Cheek	0.129	0.879	0.533	0.278	1.008	0.940
		Left Tilt	0.104	0.597	0.398	0.260	0.701	0.762
		Right Cheek	0.247	0.374	0.174	0.173	0.621	0.594
		Right Tilt	0.123	0.403	0.199	0.169	0.526	0.491
n2	Ant.13	Left Cheek	0.488	0.879	0.533	0.278	1.367	1.299
		Left Tilt	0.613	0.597	0.398	0.260	1.210	1.271

		Right Cheek	0.736	0.374	0.174	0.173	1.110	1.083
		Right Tilt	0.907	0.403	0.199	0.169	1.310	1.275
n2	Ant.31	Left Cheek	0.093	0.879	0.533	0.278	0.972	0.904
		Left Tilt	0.084	0.597	0.398	0.260	0.681	0.742
		Right Cheek	0.153	0.374	0.174	0.173	0.527	0.500
		Right Tilt	0.073	0.403	0.199	0.169	0.476	0.441
n5	Ant.13	Left Cheek	0.463	0.879	0.533	0.278	1.342	1.274
		Left Tilt	0.487	0.597	0.398	0.260	1.084	1.145
		Right Cheek	0.766	0.374	0.174	0.173	1.140	1.113
		Right Tilt	0.695	0.403	0.199	0.169	1.098	1.063
n5	Ant.31	Left Cheek	0.119	0.879	0.533	0.278	0.998	0.930
		Left Tilt	0.063	0.597	0.398	0.260	0.660	0.721
		Right Cheek	0.090	0.374	0.174	0.173	0.464	0.437
		Right Tilt	0.055	0.403	0.199	0.169	0.458	0.423
n7	Ant.13	Left Cheek	0.370	0.879	0.533	0.278	1.249	1.181
		Left Tilt	0.462	0.597	0.398	0.260	1.059	1.120
		Right Cheek	0.729	0.374	0.174	0.173	1.103	1.076
		Right Tilt	0.893	0.403	0.199	0.169	1.296	1.261
n7	Ant.11	Left Cheek	0.321	0.879	0.533	0.278	1.200	1.132
		Left Tilt	0.082	0.597	0.398	0.260	0.679	0.740
		Right Cheek	0.752	0.374	0.174	0.173	1.126	1.099
		Right Tilt	0.134	0.403	0.199	0.169	0.537	0.502
n7	Ant.31	Left Cheek	0.197	0.879	0.533	0.278	1.076	1.008
		Left Tilt	0.184	0.597	0.398	0.260	0.781	0.842
		Right Cheek	0.318	0.374	0.174	0.173	0.692	0.665
		Right Tilt	0.154	0.403	0.199	0.169	0.557	0.522
n26	Ant.13	Left Cheek	0.460	0.879	0.533	0.278	1.339	1.271
		Left Tilt	0.494	0.597	0.398	0.260	1.091	1.152
		Right Cheek	0.790	0.374	0.174	0.173	1.164	1.137
		Right Tilt	0.720	0.403	0.199	0.169	1.123	1.088
n26	Ant.31	Left Cheek	0.106	0.879	0.533	0.278	0.985	0.917
		Left Tilt	0.052	0.597	0.398	0.260	0.649	0.710
		Right Cheek	0.076	0.374	0.174	0.173	0.450	0.423
		Right Tilt	0.043	0.403	0.199	0.169	0.446	0.411
n66	Ant.13	Left Cheek	0.515	0.879	0.533	0.278	1.394	1.326
		Left Tilt	0.684	0.597	0.398	0.260	1.281	1.342
		Right Cheek	0.794	0.374	0.174	0.173	1.168	1.141
		Right Tilt	0.951	0.403	0.199	0.169	1.354	1.319
n66	Ant.11	Left Cheek	0.362	0.879	0.533	0.278	1.241	1.173
		Left Tilt	0.214	0.597	0.398	0.260	0.811	0.872
		Right Cheek	0.878	0.374	0.174	0.173	1.252	1.225
		Right Tilt	0.202	0.403	0.199	0.169	0.605	0.570
n66	Ant.31	Left Cheek	0.093	0.879	0.533	0.278	0.972	0.904

		Left Tilt	0.058	0.597	0.398	0.260	0.655	0.716
		Right Cheek	0.105	0.374	0.174	0.173	0.479	0.452
		Right Tilt	0.063	0.403	0.199	0.169	0.466	0.431
n38	Ant.13	Left Cheek	0.204	0.879	0.533	0.278	1.083	1.015
		Left Tilt	0.284	0.597	0.398	0.260	0.881	0.942
		Right Cheek	0.413	0.374	0.174	0.173	0.787	0.760
		Right Tilt	0.556	0.403	0.199	0.169	0.959	0.924
n38	Ant.11	Left Cheek	0.222	0.879	0.533	0.278	1.101	1.033
		Left Tilt	0.063	0.597	0.398	0.260	0.660	0.721
		Right Cheek	0.816	0.374	0.174	0.173	1.190	1.163
		Right Tilt	0.134	0.403	0.199	0.169	0.537	0.502
n38	Ant.31	Left Cheek	0.204	0.879	0.533	0.278	1.083	1.015
		Left Tilt	0.193	0.597	0.398	0.260	0.790	0.851
		Right Cheek	0.282	0.374	0.174	0.173	0.656	0.629
		Right Tilt	0.093	0.403	0.199	0.169	0.496	0.461
n41	Ant.13	Left Cheek	0.309	0.879	0.533	0.278	1.188	1.120
		Left Tilt	0.467	0.597	0.398	0.260	1.064	1.125
		Right Cheek	0.618	0.374	0.174	0.173	0.992	0.965
		Right Tilt	0.865	0.403	0.199	0.169	1.268	1.233
n41	Ant.11	Left Cheek	0.202	0.879	0.533	0.278	1.081	1.013
		Left Tilt	0.057	0.597	0.398	0.260	0.654	0.715
		Right Cheek	0.876	0.374	0.174	0.173	1.250	1.223
		Right Tilt	0.117	0.403	0.199	0.169	0.520	0.485
n41	Ant.31	Left Cheek	0.285	0.879	0.533	0.278	1.164	1.096
		Left Tilt	0.215	0.597	0.398	0.260	0.812	0.873
		Right Cheek	0.418	0.374	0.174	0.173	0.792	0.765
		Right Tilt	0.192	0.403	0.199	0.169	0.595	0.560
n77	Ant.11	Left Cheek	0.302	0.879	0.533	0.278	1.181	1.113
		Left Tilt	0.142	0.597	0.398	0.260	0.739	0.800
		Right Cheek	0.909	0.374	0.174	0.173	1.283	1.256
		Right Tilt	0.334	0.403	0.199	0.169	0.737	0.702
n77	Ant.12	Left Cheek	0.078	0.879	0.533	0.278	0.957	0.889
		Left Tilt	0.221	0.597	0.398	0.260	0.818	0.879
		Right Cheek	0.277	0.374	0.174	0.173	0.651	0.624
		Right Tilt	0.184	0.403	0.199	0.169	0.587	0.552
n77	Ant.21	Left Cheek	0.501	0.879	0.533	0.278	1.380	1.312
		Left Tilt	0.678	0.597	0.398	0.260	1.275	1.336
		Right Cheek	0.466	0.374	0.174	0.173	0.840	0.813
		Right Tilt	0.479	0.403	0.199	0.169	0.882	0.847
n77	Ant.23	Left Cheek	0.510	0.879	0.533	0.278	1.389	1.321
		Left Tilt	0.230	0.597	0.398	0.260	0.827	0.888
		Right Cheek	0.384	0.374	0.174	0.173	0.758	0.731
		Right Tilt	0.106	0.403	0.199	0.169	0.509	0.474

n78	Ant.11	Left Cheek	0.268	0.879	0.533	0.278	1.147	1.079
		Left Tilt	0.122	0.597	0.398	0.260	0.719	0.780
		Right Cheek	0.795	0.374	0.174	0.173	1.169	1.142
		Right Tilt	0.309	0.403	0.199	0.169	0.712	0.677
n78	Ant.12	Left Cheek	0.201	0.879	0.533	0.278	1.080	1.012
		Left Tilt	0.254	0.597	0.398	0.260	0.851	0.912
		Right Cheek	0.819	0.374	0.174	0.173	1.193	1.166
		Right Tilt	0.514	0.403	0.199	0.169	0.917	0.882
n78	Ant.21	Left Cheek	0.512	0.879	0.533	0.278	1.391	1.323
		Left Tilt	0.731	0.597	0.398	0.260	1.328	1.389
		Right Cheek	0.598	0.374	0.174	0.173	0.972	0.945
		Right Tilt	0.581	0.403	0.199	0.169	0.984	0.949
n78	Ant.23	Left Cheek	0.514	0.879	0.533	0.278	1.393	1.325
		Left Tilt	0.226	0.597	0.398	0.260	0.823	0.884
		Right Cheek	0.278	0.374	0.174	0.173	0.652	0.625
		Right Tilt	0.107	0.403	0.199	0.169	0.510	0.475

## Note:

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

2: The highest Summed 1g SAR is 1.397 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

### 13.2.6 Body-Worn Simultaneous Transmission SAR Evaluation for WWAN and WLAN and BT

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4GWIFI	5GWIFI Max.	Bluetooth	1+2	1+3+4
			DSI9/10	Level4	Level4			
GSM850	Ant.13	Front Side 15mm	0.165	0.098	0.123	0.029	0.263	0.317
		Back Side 15mm	0.175	0.094	0.209	0.025	0.269	0.409
GSM850	Ant.31	Front Side 15mm	0.130	0.098	0.123	0.029	0.228	0.282
		Back Side 15mm	0.194	0.094	0.209	0.025	0.288	0.428
GSM1900	Ant.13	Front Side 15mm	0.145	0.098	0.123	0.029	0.243	0.297
		Back Side 15mm	0.165	0.094	0.209	0.025	0.259	0.399
GSM1900	Ant.31	Front Side 15mm	0.135	0.098	0.123	0.029	0.233	0.287
		Back Side 15mm	0.231	0.094	0.209	0.025	0.325	0.465
WCDMA B2	Ant.13	Front Side 15mm	0.156	0.098	0.123	0.029	0.254	0.308
		Back Side 15mm	0.176	0.094	0.209	0.025	0.270	0.410
WCDMA B2	Ant.31	Front Side 15mm	0.156	0.098	0.123	0.029	0.254	0.308
		Back Side 15mm	0.176	0.094	0.209	0.025	0.270	0.410
WCDMA B4	Ant.13	Front Side 15mm	0.150	0.098	0.123	0.029	0.248	0.302
		Back Side 15mm	0.162	0.094	0.209	0.025	0.256	0.396
WCDMA B4	Ant.31	Front Side 15mm	0.101	0.098	0.123	0.029	0.199	0.253
		Back Side 15mm	0.166	0.094	0.209	0.025	0.260	0.400
WCDMA B5	Ant.13	Front Side 15mm	0.149	0.098	0.123	0.029	0.247	0.301
		Back Side 15mm	0.171	0.094	0.209	0.025	0.265	0.405
WCDMA B5	Ant.31	Front Side 15mm	0.143	0.098	0.123	0.029	0.241	0.295
		Back Side 15mm	0.202	0.094	0.209	0.025	0.296	0.436
LTE B2	Ant.13	Front Side 15mm	0.119	0.098	0.123	0.029	0.217	0.271
		Back Side 15mm	0.089	0.094	0.209	0.025	0.183	0.323
LTE B2	Ant.31	Front Side 15mm	0.115	0.098	0.123	0.029	0.213	0.267
		Back Side 15mm	0.208	0.094	0.209	0.025	0.302	0.442
LTE B4	Ant.13	Front Side 15mm	0.173	0.098	0.123	0.029	0.271	0.325
		Back Side 15mm	0.114	0.094	0.209	0.025	0.208	0.348
LTE B4	Ant.11	Front Side 15mm	0.072	0.098	0.123	0.029	0.170	0.224
		Back Side 15mm	0.074	0.094	0.209	0.025	0.168	0.308
LTE B4	Ant.31	Front Side 15mm	0.103	0.098	0.123	0.029	0.201	0.255
		Back Side 15mm	0.163	0.094	0.209	0.025	0.257	0.397
LTE B5	Ant.13	Front Side 15mm	0.128	0.098	0.123	0.029	0.226	0.280
		Back Side 15mm	0.143	0.094	0.209	0.025	0.237	0.377
LTE B5	Ant.31	Front Side 15mm	0.153	0.098	0.123	0.029	0.251	0.305
		Back Side 15mm	0.176	0.094	0.209	0.025	0.270	0.410
LTE B7	Ant.13	Front Side 15mm	0.086	0.098	0.123	0.029	0.184	0.238
		Back Side 15mm	0.129	0.094	0.209	0.025	0.223	0.363

LTE B7	Ant.11	Front Side 15mm	0.044	0.098	0.123	0.029	0.142	0.196
		Back Side 15mm	0.062	0.094	0.209	0.025	0.156	0.296
LTE B7	Ant.31	Front Side 15mm	0.151	0.098	0.123	0.029	0.249	0.303
		Back Side 15mm	0.212	0.094	0.209	0.025	0.306	0.446
LTE B12	Ant.13	Front Side 15mm	0.129	0.098	0.123	0.029	0.227	0.281
		Back Side 15mm	0.164	0.094	0.209	0.025	0.258	0.398
LTE B12	Ant.31	Front Side 15mm	0.196	0.098	0.123	0.029	0.294	0.348
		Back Side 15mm	0.245	0.094	0.209	0.025	0.339	0.479
LTE B13	Ant.13	Front Side 15mm	0.138	0.098	0.123	0.029	0.236	0.290
		Back Side 15mm	0.168	0.094	0.209	0.025	0.262	0.402
LTE B13	Ant.31	Front Side 15mm	0.201	0.098	0.123	0.029	0.299	0.353
		Back Side 15mm	0.217	0.094	0.209	0.025	0.311	0.451
LTE B17	Ant.13	Front Side 15mm	0.135	0.098	0.123	0.029	0.233	0.287
		Back Side 15mm	0.169	0.094	0.209	0.025	0.263	0.403
LTE B17	Ant.31	Front Side 15mm	0.195	0.098	0.123	0.029	0.293	0.347
		Back Side 15mm	0.231	0.094	0.209	0.025	0.325	0.465
LTE B18	Ant.13	Front Side 15mm	0.124	0.098	0.123	0.029	0.222	0.276
		Back Side 15mm	0.155	0.094	0.209	0.025	0.249	0.389
LTE B18	Ant.31	Front Side 15mm	0.101	0.098	0.123	0.029	0.199	0.253
		Back Side 15mm	0.108	0.094	0.209	0.025	0.202	0.342
LTE B19	Ant.13	Front Side 15mm	0.115	0.098	0.123	0.029	0.213	0.267
		Back Side 15mm	0.127	0.094	0.209	0.025	0.221	0.361
LTE B19	Ant.31	Front Side 15mm	0.141	0.098	0.123	0.029	0.239	0.293
		Back Side 15mm	0.167	0.094	0.209	0.025	0.261	0.401
LTE B26	Ant.13	Front Side 15mm	0.141	0.098	0.123	0.029	0.239	0.293
		Back Side 15mm	0.182	0.094	0.209	0.025	0.276	0.416
LTE B26	Ant.31	Front Side 15mm	0.123	0.098	0.123	0.029	0.221	0.275
		Back Side 15mm	0.133	0.094	0.209	0.025	0.227	0.367
LTE B66	Ant.13	Front Side 15mm	0.204	0.098	0.123	0.029	0.302	0.356
		Back Side 15mm	0.133	0.094	0.209	0.025	0.227	0.367
LTE B66	Ant.11	Front Side 15mm	0.074	0.098	0.123	0.029	0.172	0.226
		Back Side 15mm	0.094	0.094	0.209	0.025	0.188	0.328
LTE B66	Ant.31	Front Side 15mm	0.113	0.098	0.123	0.029	0.211	0.265
		Back Side 15mm	0.182	0.094	0.209	0.025	0.276	0.416
LTE B38	Ant.13	Front Side 15mm	0.189	0.098	0.123	0.029	0.287	0.341
		Back Side 15mm	0.279	0.094	0.209	0.025	0.373	<b>0.513</b>
LTE B38	Ant.11	Front Side 15mm	0.055	0.098	0.123	0.029	0.153	0.207
		Back Side 15mm	0.081	0.094	0.209	0.025	0.175	0.315
LTE B38	Ant.31	Front Side 15mm	0.159	0.098	0.123	0.029	0.257	0.311
		Back Side 15mm	0.238	0.094	0.209	0.025	0.332	0.472
LTE B41	Ant.13	Front Side 15mm	0.045	0.098	0.123	0.029	0.143	0.197
		Back Side 15mm	0.066	0.094	0.209	0.025	0.160	0.300
LTE B41	Ant.11	Front Side 15mm	0.051	0.098	0.123	0.029	0.149	0.203

		Back Side 15mm	0.080	0.094	0.209	0.025	0.174	0.314
LTE B41	Ant.31	Front Side 15mm	0.153	0.098	0.123	0.029	0.251	0.305
		Back Side 15mm	0.213	0.094	0.209	0.025	0.307	0.447
n2	Ant.13	Front Side 15mm	0.105	0.098	0.123	0.029	0.203	0.257
		Back Side 15mm	0.078	0.094	0.209	0.025	0.172	0.312
n2	Ant.31	Front Side 15mm	0.148	0.098	0.123	0.029	0.246	0.300
		Back Side 15mm	0.264	0.094	0.209	0.025	0.358	0.498
n5	Ant.13	Front Side 15mm	0.148	0.098	0.123	0.029	0.246	0.300
		Back Side 15mm	0.166	0.094	0.209	0.025	0.260	0.400
n5	Ant.31	Front Side 15mm	0.065	0.098	0.123	0.029	0.163	0.217
		Back Side 15mm	0.113	0.094	0.209	0.025	0.207	0.347
n7	Ant.13	Front Side 15mm	0.098	0.098	0.123	0.029	0.196	0.250
		Back Side 15mm	0.133	0.094	0.209	0.025	0.227	0.367
n7	Ant.11	Front Side 15mm	0.050	0.098	0.123	0.029	0.148	0.202
		Back Side 15mm	0.068	0.094	0.209	0.025	0.162	0.302
n7	Ant.31	Front Side 15mm	0.118	0.098	0.123	0.029	0.216	0.270
		Back Side 15mm	0.187	0.094	0.209	0.025	0.281	0.421
n26	Ant.13	Front Side 15mm	0.157	0.098	0.123	0.029	0.255	0.309
		Back Side 15mm	0.185	0.094	0.209	0.025	0.279	0.419
n26	Ant.31	Front Side 15mm	0.077	0.098	0.123	0.029	0.175	0.229
		Back Side 15mm	0.099	0.094	0.209	0.025	0.193	0.333
n66	Ant.13	Front Side 15mm	0.119	0.098	0.123	0.029	0.217	0.271
		Back Side 15mm	0.086	0.094	0.209	0.025	0.180	0.320
n66	Ant.11	Front Side 15mm	0.071	0.098	0.123	0.029	0.169	0.223
		Back Side 15mm	0.092	0.094	0.209	0.025	0.186	0.326
n66	Ant.31	Front Side 15mm	0.087	0.098	0.123	0.029	0.185	0.239
		Back Side 15mm	0.140	0.094	0.209	0.025	0.234	0.374
n38	Ant.13	Front Side 15mm	0.067	0.098	0.123	0.029	0.165	0.219
		Back Side 15mm	0.089	0.094	0.209	0.025	0.183	0.323
n38	Ant.11	Front Side 15mm	0.067	0.098	0.123	0.029	0.165	0.219
		Back Side 15mm	0.101	0.094	0.209	0.025	0.195	0.335
n38	Ant.31	Front Side 15mm	0.097	0.098	0.123	0.029	0.195	0.249
		Back Side 15mm	0.213	0.094	0.209	0.025	0.307	0.447
n41	Ant.13	Front Side 15mm	0.052	0.098	0.123	0.029	0.150	0.204
		Back Side 15mm	0.065	0.094	0.209	0.025	0.159	0.299
n41	Ant.11	Front Side 15mm	0.086	0.098	0.123	0.029	0.184	0.238
		Back Side 15mm	0.124	0.094	0.209	0.025	0.218	0.358
n41	Ant.31	Front Side 15mm	0.124	0.098	0.123	0.029	0.222	0.276
		Back Side 15mm	0.205	0.094	0.209	0.025	0.299	0.439
n77	Ant.11	Front Side 15mm	0.144	0.098	0.123	0.029	0.242	0.296
		Back Side 15mm	0.252	0.094	0.209	0.025	0.346	0.486
n77	Ant.12	Front Side 15mm	0.214	0.098	0.123	0.029	0.312	0.366
		Back Side 15mm	0.228	0.094	0.209	0.025	0.322	0.462

n77	Ant.21	Front Side 15mm	0.151	0.098	0.123	0.029	0.249	0.303
		Back Side 15mm	0.109	0.094	0.209	0.025	0.203	0.343
n77	Ant.23	Front Side 15mm	0.073	0.098	0.123	0.029	0.171	0.225
		Back Side 15mm	0.140	0.094	0.209	0.025	0.234	0.374
n78	Ant.11	Front Side 15mm	0.144	0.098	0.123	0.029	0.242	0.296
		Back Side 15mm	0.274	0.094	0.209	0.025	0.368	0.508
n78	Ant.12	Front Side 15mm	0.222	0.098	0.123	0.029	0.320	0.374
		Back Side 15mm	0.235	0.094	0.209	0.025	0.329	0.469
n78	Ant.21	Front Side 15mm	0.162	0.098	0.123	0.029	0.260	0.314
		Back Side 15mm	0.127	0.094	0.209	0.025	0.221	0.361
n78	Ant.23	Front Side 15mm	0.071	0.098	0.123	0.029	0.169	0.223
		Back Side 15mm	0.135	0.094	0.209	0.025	0.229	0.369

## Note:

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

2: The highest Summed 1g SAR is 0.513 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.



## 13.2.7 Hotspot Simultaneous Transmission SAR Evaluation for WWAN and WLAN and BT

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4GWIFI	5GWIFI Max.	Bluetooth	1+2	1+3+4
			DSI10	Level4	Level4			
GSM850	Ant.13	Front Side 10mm	0.206	0.182	0.092	0.044	0.388	0.342
		Back Side 10mm	0.347	0.177	0.176	0.044	0.524	0.567
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.097	0.000	0.000	0.000	0.097	0.097
		Top Edge 10mm	0.334	0.261	0.231	0.064	0.595	0.629
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
GSM850	Ant.31	Front Side 10mm	0.127	0.182	0.092	0.044	0.309	0.263
		Back Side 10mm	0.311	0.177	0.176	0.044	0.488	0.531
		Left Edge 10mm	0.056	0.154	0.123	0.038	0.210	0.217
		Right Edge 10mm	0.114	0.000	0.000	0.000	0.114	0.114
		Top Edge 10mm	0.000	0.261	0.231	0.064	0.261	0.295
		Bottom Edge 10mm	0.171	0.000	0.000	0.000	0.171	0.171
GSM1900	Ant.13	Front Side 10mm	0.307	0.182	0.092	0.044	0.489	0.443
		Back Side 10mm	0.207	0.177	0.176	0.044	0.384	0.427
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.086	0.000	0.000	0.000	0.086	0.086
		Top Edge 10mm	0.569	0.261	0.231	0.064	0.830	0.864
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
GSM1900	Ant.31	Front Side 10mm	0.301	0.182	0.092	0.044	0.483	0.437
		Back Side 10mm	0.532	0.177	0.176	0.044	0.709	0.752
		Left Edge 10mm	0.163	0.154	0.123	0.038	0.317	0.324
		Right Edge 10mm	0.061	0.000	0.000	0.000	0.061	0.061
		Top Edge 10mm	0.000	0.261	0.231	0.064	0.261	0.295
		Bottom Edge 10mm	0.974	0.000	0.000	0.000	0.974	0.974
WCDMA B2	Ant.13	Front Side 10mm	0.362	0.182	0.092	0.044	0.544	0.498
		Back Side 10mm	0.256	0.177	0.176	0.044	0.433	0.476
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.101	0.000	0.000	0.000	0.101	0.101
		Top Edge 10mm	0.869	0.261	0.231	0.064	1.130	1.164
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
WCDMA B2	Ant.31	Front Side 10mm	0.263	0.182	0.092	0.044	0.445	0.399
		Back Side 10mm	0.460	0.177	0.176	0.044	0.637	0.680
		Left Edge 10mm	0.159	0.154	0.123	0.038	0.313	0.320
		Right Edge 10mm	0.060	0.000	0.000	0.000	0.060	0.060
		Top Edge 10mm	0.000	0.261	0.231	0.064	0.261	0.295
		Bottom Edge 10mm	0.987	0.000	0.000	0.000	0.987	0.987
WCDMA B4	Ant.13	Front Side 10mm	0.315	0.182	0.092	0.044	0.497	0.451

		Back Side 10mm	0.218	0.177	0.176	0.044	0.395	0.438
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.067	0.000	0.000	0.000	0.067	0.067
		Top Edge 10mm	0.550	0.261	0.231	0.064	0.811	0.845
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
WCDMA B4	Ant.31	Front Side 10mm	0.189	0.182	0.092	0.044	0.371	0.325
		Back Side 10mm	0.326	0.177	0.176	0.044	0.503	0.546
		Left Edge 10mm	0.067	0.154	0.123	0.038	0.221	0.228
		Right Edge 10mm	0.384	0.000	0.000	0.000	0.384	0.384
		Top Edge 10mm	0.000	0.261	0.231	0.064	0.261	0.295
		Bottom Edge 10mm	0.633	0.000	0.000	0.000	0.633	0.633
WCDMA B5	Ant.13	Front Side 10mm	0.229	0.182	0.092	0.044	0.411	0.365
		Back Side 10mm	0.182	0.177	0.176	0.044	0.359	0.402
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.112	0.000	0.000	0.000	0.112	0.112
		Top Edge 10mm	0.285	0.261	0.231	0.064	0.546	0.580
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
WCDMA B5	Ant.31	Front Side 10mm	0.152	0.182	0.092	0.044	0.334	0.288
		Back Side 10mm	0.343	0.177	0.176	0.044	0.520	0.563
		Left Edge 10mm	0.077	0.154	0.123	0.038	0.231	0.238
		Right Edge 10mm	0.162	0.000	0.000	0.000	0.162	0.162
		Top Edge 10mm	0.000	0.261	0.231	0.064	0.261	0.295
		Bottom Edge 10mm	0.225	0.000	0.000	0.000	0.225	0.225
LTE B2	Ant.13	Front Side 10mm	0.260	0.182	0.092	0.044	0.442	0.396
		Back Side 10mm	0.194	0.177	0.176	0.044	0.371	0.414
		Left Edge 10mm	0.087	0.154	0.123	0.038	0.241	0.248
		Right Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
		Top Edge 10mm	0.533	0.261	0.231	0.064	0.794	0.828
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B2	Ant.31	Front Side 10mm	0.224	0.182	0.092	0.044	0.406	0.360
		Back Side 10mm	0.408	0.177	0.176	0.044	0.585	0.628
		Left Edge 10mm	0.129	0.154	0.123	0.038	0.283	0.290
		Right Edge 10mm	0.037	0.000	0.000	0.000	0.037	0.037
		Top Edge 10mm	0.000	0.261	0.231	0.064	0.261	0.295
		Bottom Edge 10mm	0.784	0.000	0.000	0.000	0.784	0.784
LTE B4	Ant.13	Front Side 10mm	0.303	0.182	0.092	0.044	0.485	0.439
		Back Side 10mm	0.226	0.177	0.176	0.044	0.403	0.446
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.064	0.000	0.000	0.000	0.064	0.064
		Top Edge 10mm	0.526	0.261	0.231	0.064	0.787	0.821
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B4	Ant.11	Front Side 10mm	0.140	0.182	0.092	0.044	0.322	0.276
		Back Side 10mm	0.186	0.177	0.176	0.044	0.363	0.406

		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.338	0.000	0.000	0.000	0.338	0.338
		Top Edge 10mm	0.058	0.261	0.231	0.064	0.319	0.353
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B4	Ant.31	Front Side 10mm	0.195	0.182	0.092	0.044	0.377	0.331
		Back Side 10mm	0.346	0.177	0.176	0.044	0.523	0.566
		Left Edge 10mm	0.073	0.154	0.123	0.038	0.227	0.234
		Right Edge 10mm	0.042	0.000	0.000	0.000	0.042	0.042
		Top Edge 10mm	0.000	0.261	0.231	0.064	0.261	0.295
		Bottom Edge 10mm	0.604	0.000	0.000	0.000	0.604	0.604
LTE B5	Ant.13	Front Side 10mm	0.191	0.182	0.092	0.044	0.373	0.327
		Back Side 10mm	0.162	0.177	0.176	0.044	0.339	0.382
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.077	0.000	0.000	0.000	0.077	0.077
		Top Edge 10mm	0.256	0.261	0.231	0.064	0.517	0.551
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B5	Ant.31	Front Side 10mm	0.143	0.182	0.092	0.044	0.325	0.279
		Back Side 10mm	0.296	0.177	0.176	0.044	0.473	0.516
		Left Edge 10mm	0.074	0.154	0.123	0.038	0.228	0.235
		Right Edge 10mm	0.126	0.000	0.000	0.000	0.126	0.126
		Top Edge 10mm	0.000	0.261	0.231	0.064	0.261	0.295
		Bottom Edge 10mm	0.195	0.000	0.000	0.000	0.195	0.195
LTE B7	Ant.13	Front Side 10mm	0.140	0.182	0.092	0.044	0.322	0.276
		Back Side 10mm	0.209	0.177	0.176	0.044	0.386	0.429
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.048	0.000	0.000	0.000	0.048	0.048
		Top Edge 10mm	0.628	0.261	0.231	0.064	0.889	0.923
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B7	Ant.11	Front Side 10mm	0.089	0.182	0.092	0.044	0.271	0.225
		Back Side 10mm	0.131	0.177	0.176	0.044	0.308	0.351
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.332	0.000	0.000	0.000	0.332	0.332
		Top Edge 10mm	0.047	0.261	0.231	0.064	0.308	0.342
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B7	Ant.31	Front Side 10mm	0.394	0.182	0.092	0.044	0.576	0.530
		Back Side 10mm	0.536	0.177	0.176	0.044	0.713	0.756
		Left Edge 10mm	0.215	0.154	0.123	0.038	0.369	0.376
		Right Edge 10mm	0.052	0.000	0.000	0.000	0.052	0.052
		Top Edge 10mm	0.000	0.261	0.231	0.064	0.261	0.295
		Bottom Edge 10mm	0.243	0.000	0.000	0.000	0.243	0.243
LTE B12	Ant.13	Front Side 10mm	0.111	0.182	0.092	0.044	0.293	0.247
		Back Side 10mm	0.165	0.177	0.176	0.044	0.342	0.385
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161

		Right Edge 10mm	0.183	0.000	0.000	0.000	0.183	0.183
		Top Edge 10mm	0.166	0.261	0.231	0.064	0.427	0.461
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B12	Ant.31	Front Side 10mm	0.160	0.182	0.092	0.044	0.342	0.296
		Back Side 10mm	0.235	0.177	0.176	0.044	0.412	0.455
		Left Edge 10mm	0.165	0.154	0.123	0.038	0.319	0.326
		Right Edge 10mm	0.317	0.000	0.000	0.000	0.317	0.317
		Top Edge 10mm	0.000	0.261	0.231	0.064	0.261	0.295
		Bottom Edge 10mm	0.175	0.000	0.000	0.000	0.175	0.175
LTE B13	Ant.13	Front Side 10mm	0.107	0.182	0.092	0.044	0.289	0.243
		Back Side 10mm	0.111	0.177	0.176	0.044	0.288	0.331
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.097	0.000	0.000	0.000	0.097	0.097
		Top Edge 10mm	0.194	0.261	0.231	0.064	0.455	0.489
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B13	Ant.31	Front Side 10mm	0.129	0.182	0.092	0.044	0.311	0.265
		Back Side 10mm	0.223	0.177	0.176	0.044	0.400	0.443
		Left Edge 10mm	0.104	0.154	0.123	0.038	0.258	0.265
		Right Edge 10mm	0.197	0.000	0.000	0.000	0.197	0.197
		Top Edge 10mm	0.000	0.261	0.231	0.064	0.261	0.295
		Bottom Edge 10mm	0.193	0.000	0.000	0.000	0.193	0.193
LTE B17	Ant.13	Front Side 10mm	0.118	0.182	0.092	0.044	0.300	0.254
		Back Side 10mm	0.165	0.177	0.176	0.044	0.342	0.385
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.189	0.000	0.000	0.000	0.189	0.189
		Top Edge 10mm	0.146	0.261	0.231	0.064	0.407	0.441
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B17	Ant.31	Front Side 10mm	0.158	0.182	0.092	0.044	0.340	0.294
		Back Side 10mm	0.228	0.177	0.176	0.044	0.405	0.448
		Left Edge 10mm	0.157	0.154	0.123	0.038	0.311	0.318
		Right Edge 10mm	0.308	0.000	0.000	0.000	0.308	0.308
		Top Edge 10mm	0.000	0.261	0.231	0.064	0.261	0.295
		Bottom Edge 10mm	0.174	0.000	0.000	0.000	0.174	0.174
LTE B18	Ant.13	Front Side 10mm	0.123	0.182	0.092	0.044	0.305	0.259
		Back Side 10mm	0.100	0.177	0.176	0.044	0.277	0.320
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.052	0.000	0.000	0.000	0.052	0.052
		Top Edge 10mm	0.212	0.261	0.231	0.064	0.473	0.507
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B18	Ant.31	Front Side 10mm	0.081	0.182	0.092	0.044	0.263	0.217
		Back Side 10mm	0.152	0.177	0.176	0.044	0.329	0.372
		Left Edge 10mm	0.042	0.154	0.123	0.038	0.196	0.203
		Right Edge 10mm	0.084	0.000	0.000	0.000	0.084	0.084

		Top Edge 10mm	0.000	0.261	0.231	0.064	0.261	0.295
		Bottom Edge 10mm	0.108	0.000	0.000	0.000	0.108	0.108
LTE B19	Ant.13	Front Side 10mm	0.164	0.182	0.092	0.044	0.346	0.300
		Back Side 10mm	0.137	0.177	0.176	0.044	0.314	0.357
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.063	0.000	0.000	0.000	0.063	0.063
		Top Edge 10mm	0.242	0.261	0.231	0.064	0.503	0.537
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B19	Ant.31	Front Side 10mm	0.121	0.182	0.092	0.044	0.303	0.257
		Back Side 10mm	0.218	0.177	0.176	0.044	0.395	0.438
		Left Edge 10mm	0.064	0.154	0.123	0.038	0.218	0.225
		Right Edge 10mm	0.112	0.000	0.000	0.000	0.112	0.112
		Top Edge 10mm	0.000	0.261	0.231	0.064	0.261	0.295
		Bottom Edge 10mm	0.177	0.000	0.000	0.000	0.177	0.177
LTE B26	Ant.13	Front Side 10mm	0.252	0.182	0.092	0.044	0.434	0.388
		Back Side 10mm	0.219	0.177	0.176	0.044	0.396	0.439
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.105	0.000	0.000	0.000	0.105	0.105
		Top Edge 10mm	0.412	0.261	0.231	0.064	0.673	0.707
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B26	Ant.31	Front Side 10mm	0.165	0.182	0.092	0.044	0.347	0.301
		Back Side 10mm	0.336	0.177	0.176	0.044	0.513	0.556
		Left Edge 10mm	0.086	0.154	0.123	0.038	0.240	0.247
		Right Edge 10mm	0.148	0.000	0.000	0.000	0.148	0.148
		Top Edge 10mm	0.000	0.261	0.231	0.064	0.261	0.295
		Bottom Edge 10mm	0.221	0.000	0.000	0.000	0.221	0.221
LTE B66	Ant.13	Front Side 10mm	0.296	0.182	0.092	0.044	0.478	0.432
		Back Side 10mm	0.209	0.177	0.176	0.044	0.386	0.429
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.071	0.000	0.000	0.000	0.071	0.071
		Top Edge 10mm	0.515	0.261	0.231	0.064	0.776	0.810
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B66	Ant.11	Front Side 10mm	0.166	0.182	0.092	0.044	0.348	0.302
		Back Side 10mm	0.232	0.177	0.176	0.044	0.409	0.452
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.409	0.000	0.000	0.000	0.409	0.409
		Top Edge 10mm	0.043	0.261	0.231	0.064	0.304	0.338
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B66	Ant.31	Front Side 10mm	0.213	0.182	0.092	0.044	0.395	0.349
		Back Side 10mm	0.364	0.177	0.176	0.044	0.541	0.584
		Left Edge 10mm	0.084	0.154	0.123	0.038	0.238	0.245
		Right Edge 10mm	0.043	0.000	0.000	0.000	0.043	0.043
		Top Edge 10mm	0.000	0.261	0.231	0.064	0.261	0.295

		Bottom Edge 10mm	0.610	0.000	0.000	0.000	0.610	0.610
LTE B38	Ant.13	Front Side 10mm	0.195	0.182	0.092	0.044	0.377	0.331
		Back Side 10mm	0.264	0.177	0.176	0.044	0.441	0.484
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.071	0.000	0.000	0.000	0.071	0.071
		Top Edge 10mm	0.865	0.261	0.231	0.064	1.126	1.160
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B38	Ant.11	Front Side 10mm	0.126	0.182	0.092	0.044	0.308	0.262
		Back Side 10mm	0.200	0.177	0.176	0.044	0.377	0.420
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.482	0.000	0.000	0.000	0.482	0.482
		Top Edge 10mm	0.031	0.261	0.231	0.064	0.292	0.326
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B38	Ant.31	Front Side 10mm	0.311	0.182	0.092	0.044	0.493	0.447
		Back Side 10mm	0.495	0.177	0.176	0.044	0.672	0.715
		Left Edge 10mm	0.164	0.154	0.123	0.038	0.318	0.325
		Right Edge 10mm	0.110	0.000	0.000	0.000	0.110	0.110
		Top Edge 10mm	0.000	0.261	0.231	0.064	0.261	0.295
		Bottom Edge 10mm	0.354	0.000	0.000	0.000	0.354	0.354
LTE B41	Ant.13	Front Side 10mm	0.150	0.182	0.092	0.044	0.332	0.286
		Back Side 10mm	0.181	0.177	0.176	0.044	0.358	0.401
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.073	0.000	0.000	0.000	0.073	0.073
		Top Edge 10mm	0.566	0.261	0.231	0.064	0.827	0.861
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B41	Ant.11	Front Side 10mm	0.126	0.182	0.092	0.044	0.308	0.262
		Back Side 10mm	0.188	0.177	0.176	0.044	0.365	0.408
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.470	0.000	0.000	0.000	0.470	0.470
		Top Edge 10mm	0.033	0.261	0.231	0.064	0.294	0.328
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B41	Ant.31	Front Side 10mm	0.321	0.182	0.092	0.044	0.503	0.457
		Back Side 10mm	0.439	0.177	0.176	0.044	0.616	0.659
		Left Edge 10mm	0.144	0.154	0.123	0.038	0.298	0.305
		Right Edge 10mm	0.095	0.000	0.000	0.000	0.095	0.095
		Top Edge 10mm	0.000	0.261	0.231	0.064	0.261	0.295
		Bottom Edge 10mm	0.222	0.000	0.000	0.000	0.222	0.222
n2	Ant.13	Front Side 10mm	0.219	0.182	0.092	0.044	0.401	0.355
		Back Side 10mm	0.164	0.177	0.176	0.044	0.341	0.384
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.054	0.000	0.000	0.000	0.054	0.054
		Top Edge 10mm	0.422	0.261	0.231	0.064	0.683	0.717
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000

n2	Ant.31	Front Side 10mm	0.283	0.182	0.092	0.044	0.465	0.419
		Back Side 10mm	0.564	0.177	0.176	0.044	0.741	0.784
		Left Edge 10mm	0.186	0.154	0.123	0.038	0.340	0.347
		Right Edge 10mm	0.007	0.000	0.000	0.000	0.007	0.007
		Top Edge 10mm	0.000	0.261	0.231	0.064	0.261	0.295
		Bottom Edge 10mm	0.777	0.000	0.000	0.000	0.777	0.777
n5	Ant.13	Front Side 10mm	0.184	0.182	0.092	0.044	0.366	0.320
		Back Side 10mm	0.158	0.177	0.176	0.044	0.335	0.378
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.083	0.000	0.000	0.000	0.083	0.083
		Top Edge 10mm	0.230	0.261	0.231	0.064	0.491	0.525
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
n5	Ant.31	Front Side 10mm	0.087	0.182	0.092	0.044	0.269	0.223
		Back Side 10mm	0.219	0.177	0.176	0.044	0.396	0.439
		Left Edge 10mm	0.016	0.154	0.123	0.038	0.170	0.177
		Right Edge 10mm	0.076	0.000	0.000	0.000	0.076	0.076
		Top Edge 10mm	0.000	0.261	0.231	0.064	0.261	0.295
		Bottom Edge 10mm	0.164	0.000	0.000	0.000	0.164	0.164
n7	Ant.13	Front Side 10mm	0.193	0.182	0.092	0.044	0.375	0.329
		Back Side 10mm	0.242	0.177	0.176	0.044	0.419	0.462
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.039	0.000	0.000	0.000	0.039	0.039
		Top Edge 10mm	0.832	0.261	0.231	0.064	1.093	1.127
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
n7	Ant.11	Front Side 10mm	0.127	0.182	0.092	0.044	0.309	0.263
		Back Side 10mm	0.171	0.177	0.176	0.044	0.348	0.391
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.474	0.000	0.000	0.000	0.474	0.474
		Top Edge 10mm	0.086	0.261	0.231	0.064	0.347	0.381
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
n7	Ant.31	Front Side 10mm	0.261	0.182	0.092	0.044	0.443	0.397
		Back Side 10mm	0.465	0.177	0.176	0.044	0.642	0.685
		Left Edge 10mm	0.239	0.154	0.123	0.038	0.393	0.400
		Right Edge 10mm	0.033	0.000	0.000	0.000	0.033	0.033
		Top Edge 10mm	0.000	0.261	0.231	0.064	0.261	0.295
		Bottom Edge 10mm	0.280	0.000	0.000	0.000	0.280	0.280
n26	Ant.13	Front Side 10mm	0.198	0.182	0.092	0.044	0.380	0.334
		Back Side 10mm	0.173	0.177	0.176	0.044	0.350	0.393
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.103	0.000	0.000	0.000	0.103	0.103
		Top Edge 10mm	0.237	0.261	0.231	0.064	0.498	0.532
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
n26	Ant.31	Front Side 10mm	0.114	0.182	0.092	0.044	0.296	0.250

		Back Side 10mm	0.234	0.177	0.176	0.044	0.411	0.454
		Left Edge 10mm	0.031	0.154	0.123	0.038	0.185	0.192
		Right Edge 10mm	0.101	0.000	0.000	0.000	0.101	0.101
		Top Edge 10mm	0.000	0.261	0.231	0.064	0.261	0.295
		Bottom Edge 10mm	0.188	0.000	0.000	0.000	0.188	0.188
n66	Ant.13	Front Side 10mm	0.242	0.182	0.092	0.044	0.424	0.378
		Back Side 10mm	0.163	0.177	0.176	0.044	0.340	0.383
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.078	0.000	0.000	0.000	0.078	0.078
		Top Edge 10mm	0.408	0.261	0.231	0.064	0.669	0.703
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
n66	Ant.11	Front Side 10mm	0.155	0.182	0.092	0.044	0.337	0.291
		Back Side 10mm	0.213	0.177	0.176	0.044	0.390	0.433
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.348	0.000	0.000	0.000	0.348	0.348
		Top Edge 10mm	0.054	0.261	0.231	0.064	0.315	0.349
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
n66	Ant.31	Front Side 10mm	0.218	0.182	0.092	0.044	0.400	0.354
		Back Side 10mm	0.364	0.177	0.176	0.044	0.541	0.584
		Left Edge 10mm	0.103	0.154	0.123	0.038	0.257	0.264
		Right Edge 10mm	0.018	0.000	0.000	0.000	0.018	0.018
		Top Edge 10mm	0.000	0.261	0.231	0.064	0.261	0.295
		Bottom Edge 10mm	0.577	0.000	0.000	0.000	0.577	0.577
n38	Ant.13	Front Side 10mm	0.177	0.182	0.092	0.044	0.359	0.313
		Back Side 10mm	0.244	0.177	0.176	0.044	0.421	0.464
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.060	0.000	0.000	0.000	0.060	0.060
		Top Edge 10mm	0.822	0.261	0.231	0.064	1.083	1.117
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
n38	Ant.11	Front Side 10mm	0.102	0.182	0.092	0.044	0.284	0.238
		Back Side 10mm	0.141	0.177	0.176	0.044	0.318	0.361
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.407	0.000	0.000	0.000	0.407	0.407
		Top Edge 10mm	0.046	0.261	0.231	0.064	0.307	0.341
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
n38	Ant.31	Front Side 10mm	0.195	0.182	0.092	0.044	0.377	0.331
		Back Side 10mm	0.442	0.177	0.176	0.044	0.619	0.662
		Left Edge 10mm	0.189	0.154	0.123	0.038	0.343	0.350
		Right Edge 10mm	0.113	0.000	0.000	0.000	0.113	0.113
		Top Edge 10mm	0.000	0.261	0.231	0.064	0.261	0.295
		Bottom Edge 10mm	0.393	0.000	0.000	0.000	0.393	0.393
n41	Ant.13	Front Side 10mm	0.287	0.182	0.092	0.044	0.469	0.423
		Back Side 10mm	0.346	0.177	0.176	0.044	0.523	0.566



		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.071	0.000	0.000	0.000	0.071	0.071
		Top Edge 10mm	0.990	0.261	0.231	0.064	1.251	<b>1.285</b>
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
n41	Ant.11	Front Side 10mm	0.113	0.182	0.092	0.044	0.295	0.249
		Back Side 10mm	0.151	0.177	0.176	0.044	0.328	0.371
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.394	0.000	0.000	0.000	0.394	0.394
		Top Edge 10mm	0.052	0.261	0.231	0.064	0.313	0.347
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
n41	Ant.31	Front Side 10mm	0.224	0.182	0.092	0.044	0.406	0.360
		Back Side 10mm	0.384	0.177	0.176	0.044	0.561	0.604
		Left Edge 10mm	0.202	0.154	0.123	0.038	0.356	0.363
		Right Edge 10mm	0.027	0.000	0.000	0.000	0.027	0.027
		Top Edge 10mm	0.000	0.261	0.231	0.064	0.261	0.295
		Bottom Edge 10mm	0.236	0.000	0.000	0.000	0.236	0.236
n77	Ant.11	Front Side 10mm	0.359	0.182	0.092	0.044	0.541	0.495
		Back Side 10mm	0.582	0.177	0.176	0.044	0.759	0.802
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.990	0.000	0.000	0.000	0.990	0.990
		Top Edge 10mm	0.075	0.261	0.231	0.064	0.336	0.370
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
n77	Ant.12	Front Side 10mm	0.467	0.182	0.092	0.044	0.649	0.603
		Back Side 10mm	0.475	0.177	0.176	0.044	0.652	0.695
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.397	0.000	0.000	0.000	0.397	0.397
		Top Edge 10mm	0.353	0.261	0.231	0.064	0.614	0.648
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
n77	Ant.21	Front Side 10mm	0.300	0.182	0.092	0.044	0.482	0.436
		Back Side 10mm	0.240	0.177	0.176	0.044	0.417	0.460
		Left Edge 10mm	0.112	0.154	0.123	0.038	0.266	0.273
		Right Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
		Top Edge 10mm	0.414	0.261	0.231	0.064	0.675	0.709
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
n77	Ant.23	Front Side 10mm	0.149	0.182	0.092	0.044	0.331	0.285
		Back Side 10mm	0.227	0.177	0.176	0.044	0.404	0.447
		Left Edge 10mm	0.486	0.154	0.123	0.038	0.640	0.647
		Right Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
		Top Edge 10mm	0.127	0.261	0.231	0.064	0.388	0.422
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
n78	Ant.11	Front Side 10mm	0.155	0.182	0.092	0.044	0.337	0.291
		Back Side 10mm	0.261	0.177	0.176	0.044	0.438	0.481
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161

		Right Edge 10mm	0.718	0.000	0.000	0.000	0.718	0.718
		Top Edge 10mm	0.061	0.261	0.231	0.064	0.322	0.356
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
n78	Ant.12	Front Side 10mm	0.576	0.182	0.092	0.044	0.758	0.712
		Back Side 10mm	0.515	0.177	0.176	0.044	0.692	0.735
		Left Edge 10mm	0.000	0.154	0.123	0.038	0.154	0.161
		Right Edge 10mm	0.538	0.000	0.000	0.000	0.538	0.538
		Top Edge 10mm	0.624	0.261	0.231	0.064	0.885	0.919
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
n78	Ant.21	Front Side 10mm	0.315	0.182	0.092	0.044	0.497	0.451
		Back Side 10mm	0.256	0.177	0.176	0.044	0.433	0.476
		Left Edge 10mm	0.118	0.154	0.123	0.038	0.272	0.279
		Right Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
		Top Edge 10mm	0.421	0.261	0.231	0.064	0.682	0.716
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
n78	Ant.23	Front Side 10mm	0.174	0.182	0.092	0.044	0.356	0.310
		Back Side 10mm	0.248	0.177	0.176	0.044	0.425	0.468
		Left Edge 10mm	0.524	0.154	0.123	0.038	0.678	0.685
		Right Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
		Top Edge 10mm	0.166	0.261	0.231	0.064	0.427	0.461
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000

## Note:

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

2: The highest Summed 1g SAR is 1.285 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

## 13.2.8 Specific Simultaneous Transmission SAR Evaluation for WWAN and WLAN and BT

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4GWIFI Max.	5GWIFI Max.	Bluetooth	1+2	1+3+4
			DSI8/9/10	Level4	Level4			
WCDMA B2	Ant.13	Top Edge 0mm	2.181	0.964	0.637	0.189	<b>3.145</b>	3.007
	Ant.31	Bottom Edge 0mm	1.591	0.000	0.000	0.000	1.591	1.591
WCDMA B4	Ant.13	Top Edge 0mm	1.792	0.964	0.637	0.189	2.756	2.618
	Ant.31	Bottom Edge 0mm	1.703	0.000	0.000	0.000	1.703	1.703
LTE B2	Ant.13	Top Edge 0mm	1.801	0.964	0.637	0.189	2.765	2.627
	Ant.31	Bottom Edge 0mm	1.676	0.000	0.000	0.000	1.676	1.676
LTE B4	Ant.31	Bottom Edge 0mm	2.012	0.000	0.000	0.000	2.012	2.012
LTE B7	Ant.13	Front Side 0mm	0.649	0.821	0.386	0.160	1.470	1.195
		Back Side 0mm	0.550	0.774	0.221	0.155	1.324	0.926
		Top Edge 0mm	0.962	0.964	0.637	0.189	1.926	1.788
	Ant.11	Right Edge 0mm	1.405	0.000	0.000	0.000	1.405	1.405
LTE B66	Ant.31	Bottom Edge 0mm	1.969	0.000	0.000	0.000	1.969	1.969
LTE B38	Ant.13	Top Edge 0mm	1.076	0.964	0.637	0.189	2.040	1.902
	Ant.11	Right Edge 0mm	1.474	0.000	0.000	0.000	1.474	1.474
LTE B41	Ant.13	Top Edge 0mm	1.044	0.964	0.637	0.189	2.008	1.870
	Ant.11	Right Edge 0mm	1.558	0.000	0.000	0.000	1.558	1.558
n2	Ant.31	Bottom Edge 0mm	1.237	0.000	0.000	0.000	1.237	1.237
n7	Ant.13	Back Side 0mm	0.550	0.774	0.221	0.155	1.324	0.926
		Top Edge 0mm	0.956	0.964	0.637	0.189	1.920	1.782
	Ant.11	Right Edge 0mm	1.746	0.000	0.000	0.000	1.746	1.746
n38	Ant.13	Top Edge 0mm	0.781	0.964	0.637	0.189	1.745	1.607
	Ant.11	Right Edge 0mm	1.153	0.000	0.000	0.000	1.153	1.153
n41	Ant.13	Front Side 0mm	0.681	0.821	0.386	0.160	1.502	1.227
		Back Side 0mm	0.706	0.774	0.221	0.155	1.480	1.082
		Top Edge 0mm	0.854	0.964	0.637	0.189	1.818	1.680
	Ant.11	Right Edge 0mm	1.624	0.000	0.000	0.000	1.624	1.624
n77	Ant.11	Right Edge 0mm	2.227	0.000	0.000	0.000	2.227	2.227
n78	Ant.11	Right Edge 0mm	1.952	0.000	0.000	0.000	1.952	1.952
	Ant.12	Front Side 0mm	1.269	0.821	0.386	0.160	2.090	1.815
		Back Side 0mm	1.210	0.774	0.221	0.155	1.984	1.586
		Right Edge 0mm	1.957	0.000	0.000	0.000	1.957	1.957
		Top Edge 0mm	1.186	0.964	0.637	0.189	2.150	2.012
	Ant.21	Top Edge 0mm	0.913	0.964	0.637	0.189	1.877	1.739
	Ant.23	Left Edge 0mm	1.334	0.845	0.480	0.162	2.179	1.976

Note:

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

2: The highest Summed 10g SAR is  $3.145 \text{ W/Kg} < 4.0 \text{ W/kg}$ , so Simultaneous Transmission SAR test is not required.

## 13.2.9 Head Simultaneous Transmission SAR Evaluation for ENDC

Band	LTE Antenna	4G		ENDC	NR Antenna	SA		ENDC	Position	Stand alone SAR		
		LTE SAR	LTE Max Power	LTE Max Power		NR SAR	NR Max Power	NR Max Power		LTE SAR	NR SAR	1
				DSI2				DSI2				ENDC (LTE+NR)
										DSI2	DSI2	DSI2
DC_4A+n2A	Ant.11	0.422	23.50	21.00	Ant.13	0.488	18.00	15.50	Left Cheek	0.237	0.274	0.512
		0.233	23.50	21.00		0.613	18.00	15.50	Left Tilt	0.131	0.345	0.476
		0.897	23.50	21.00		0.736	18.00	15.50	Right Cheek	0.504	0.414	0.918
		0.207	23.50	21.00		0.907	18.00	15.50	Right Tilt	0.116	0.510	0.626
DC_4A+n2A	Ant.11	0.422	23.50	21.00	Ant.31	0.093	24.50	24.50	Left Cheek	0.237	0.093	0.330
		0.233	23.50	21.00		0.084	24.50	24.50	Left Tilt	0.131	0.084	0.215
		0.897	23.50	21.00		0.153	24.50	24.50	Right Cheek	0.504	0.153	0.657
		0.207	23.50	21.00		0.073	24.50	24.50	Right Tilt	0.116	0.073	0.189
DC_7A+n2A	Ant.11	0.265	18.00	16.00	Ant.13	0.488	18.00	15.50	Left Cheek	0.167	0.274	0.442
		0.074	18.00	16.00		0.613	18.00	15.50	Left Tilt	0.047	0.345	0.391
		0.804	18.00	16.00		0.736	18.00	15.50	Right Cheek	0.507	0.414	0.921
		0.124	18.00	16.00		0.907	18.00	15.50	Right Tilt	0.078	0.510	0.588
DC_7A+n2A	Ant.11	0.265	18.00	16.00	Ant.31	0.093	24.50	24.50	Left Cheek	0.167	0.093	0.260
		0.074	18.00	16.00		0.084	24.50	24.50	Left Tilt	0.047	0.084	0.131
		0.804	18.00	16.00		0.153	24.50	24.50	Right Cheek	0.507	0.153	0.660
		0.124	18.00	16.00		0.073	24.50	24.50	Right Tilt	0.078	0.073	0.151
DC_66A+n2A	Ant.11	0.318	23.50	21.00	Ant.13	0.488	18.00	15.50	Left Cheek	0.179	0.274	0.453
		0.165	23.50	21.00		0.613	18.00	15.50	Left Tilt	0.093	0.345	0.438
		0.820	23.50	21.00		0.736	18.00	15.50	Right Cheek	0.461	0.414	0.875
		0.188	23.50	21.00		0.907	18.00	15.50	Right Tilt	0.106	0.510	0.616
DC_66A+n2A	Ant.11	0.318	23.50	21.00	Ant.31	0.093	24.50	24.50	Left Cheek	0.179	0.093	0.272
		0.165	23.50	21.00		0.084	24.50	24.50	Left Tilt	0.093	0.084	0.177
		0.820	23.50	21.00		0.153	24.50	24.50	Right Cheek	0.461	0.153	0.614
		0.188	23.50	21.00		0.073	24.50	24.50	Right Tilt	0.106	0.073	0.179
DC_7A+n5A	Ant.11	0.265	18.00	16.00	Ant.13	0.463	23.00	20.50	Left Cheek	0.167	0.260	0.428
		0.074	18.00	16.00		0.487	23.00	20.50	Left Tilt	0.047	0.274	0.321
		0.804	18.00	16.00		0.766	23.00	20.50	Right Cheek	0.507	0.431	0.938
		0.124	18.00	16.00		0.695	23.00	20.50	Right Tilt	0.078	0.391	0.469
DC_7A+n5A	Ant.31	0.196	24.00	24.00	Ant.13	0.463	23.00	20.50	Left Cheek	0.196	0.260	0.456
		0.133	24.00	24.00		0.487	23.00	20.50	Left Tilt	0.133	0.274	0.407
		0.331	24.00	24.00		0.766	23.00	20.50	Right Cheek	0.331	0.431	0.762
		0.211	24.00	24.00		0.695	23.00	20.50	Right Tilt	0.211	0.391	0.602
DC_2A+n7A	Ant.13	0.515	18.00	15.50	Ant.11	0.321	18.50	16.00	Left Cheek	0.290	0.181	0.470
		0.715	18.00	15.50		0.082	18.50	16.00	Left Tilt	0.402	0.046	0.448
		0.796	18.00	15.50		0.752	18.50	16.00	Right Cheek	0.448	0.423	0.871
		0.994	18.00	15.50		0.134	18.50	16.00	Right Tilt	0.559	0.075	0.634

DC_2A+n7A	Ant.31	0.183	24.50	24.50	Ant.11	0.321	18.50	16.00	Left Cheek	0.183	0.181	0.364
		0.082	24.50	24.50		0.082	18.50	16.00	Left Tilt	0.082	0.046	0.128
		0.126	24.50	24.50		0.752	18.50	16.00	Right Cheek	0.126	0.423	0.549
		0.080	24.50	24.50		0.134	18.50	16.00	Right Tilt	0.080	0.075	0.155
DC_4A+n7A	Ant.13	0.463	17.50	15.00	Ant.11	0.321	18.50	16.00	Left Cheek	0.260	0.181	0.441
		0.574	17.50	15.00		0.082	18.50	16.00	Left Tilt	0.323	0.046	0.369
		0.747	17.50	15.00		0.752	18.50	16.00	Right Cheek	0.420	0.423	0.843
		0.902	17.50	15.00		0.134	18.50	16.00	Right Tilt	0.507	0.075	0.583
DC_4A+n7A	Ant.31	0.114	24.50	24.50	Ant.11	0.321	18.50	16.00	Left Cheek	0.114	0.181	0.295
		0.061	24.50	24.50		0.082	18.50	16.00	Left Tilt	0.061	0.046	0.107
		0.070	24.50	24.50		0.752	18.50	16.00	Right Cheek	0.070	0.423	0.493
		0.066	24.50	24.50		0.134	18.50	16.00	Right Tilt	0.066	0.075	0.141
DC_5A+n7A	Ant.13	0.471	23.00	20.50	Ant.11	0.321	18.50	16.00	Left Cheek	0.265	0.181	0.445
		0.516	23.00	20.50		0.082	18.50	16.00	Left Tilt	0.290	0.046	0.336
		0.861	23.00	20.50		0.752	18.50	16.00	Right Cheek	0.484	0.423	0.907
		0.696	23.00	20.50		0.134	18.50	16.00	Right Tilt	0.391	0.075	0.467
DC_5A+n7A	Ant.31	0.224	25.00	25.00	Ant.11	0.321	18.50	16.00	Left Cheek	0.224	0.181	0.405
		0.126	25.00	25.00		0.082	18.50	16.00	Left Tilt	0.126	0.046	0.172
		0.178	25.00	25.00		0.752	18.50	16.00	Right Cheek	0.178	0.423	0.601
		0.094	25.00	25.00		0.134	18.50	16.00	Right Tilt	0.094	0.075	0.169
DC_66A+n7A	Ant.13	0.508	17.50	15.00	Ant.11	0.321	18.50	16.00	Left Cheek	0.286	0.181	0.466
		0.629	17.50	15.00		0.082	18.50	16.00	Left Tilt	0.354	0.046	0.400
		0.766	17.50	15.00		0.752	18.50	16.00	Right Cheek	0.431	0.423	0.854
		0.961	17.50	15.00		0.134	18.50	16.00	Right Tilt	0.540	0.075	0.616
DC_66A+n7A	Ant.31	0.114	24.50	24.50	Ant.11	0.321	18.50	16.00	Left Cheek	0.114	0.181	0.295
		0.065	24.50	24.50		0.082	18.50	16.00	Left Tilt	0.065	0.046	0.111
		0.079	24.50	24.50		0.752	18.50	16.00	Right Cheek	0.079	0.423	0.502
		0.062	24.50	24.50		0.134	18.50	16.00	Right Tilt	0.062	0.075	0.137
DC_2A+n66A	Ant.13	0.515	18.00	15.50	Ant.11	0.362	23.00	20.50	Left Cheek	0.290	0.204	0.493
		0.715	18.00	15.50		0.214	23.00	20.50	Left Tilt	0.402	0.120	0.522
		0.796	18.00	15.50		0.878	23.00	20.50	Right Cheek	0.448	0.494	0.941
		0.994	18.00	15.50		0.202	23.00	20.50	Right Tilt	0.559	0.114	0.673
DC_2A+n66A	Ant.31	0.183	24.50	24.50	Ant.11	0.362	23.00	20.50	Left Cheek	0.183	0.204	0.387
		0.082	24.50	24.50		0.214	23.00	20.50	Left Tilt	0.082	0.120	0.202
		0.126	24.50	24.50		0.878	23.00	20.50	Right Cheek	0.126	0.494	0.620
		0.080	24.50	24.50		0.202	23.00	20.50	Right Tilt	0.080	0.114	0.194
DC_5A+n66A	Ant.13	0.471	23.00	20.50	Ant.11	0.362	23.00	20.50	Left Cheek	0.265	0.204	0.468
		0.516	23.00	20.50		0.214	23.00	20.50	Left Tilt	0.290	0.120	0.411
		0.861	23.00	20.50		0.878	23.00	20.50	Right Cheek	0.484	0.494	0.978
		0.696	23.00	20.50		0.202	23.00	20.50	Right Tilt	0.391	0.114	0.505
DC_5A+n66A	Ant.31	0.224	25.00	25.00	Ant.11	0.362	23.00	20.50	Left Cheek	0.224	0.204	0.428
		0.126	25.00	25.00		0.214	23.00	20.50	Left Tilt	0.126	0.120	0.246
		0.178	25.00	25.00		0.878	23.00	20.50	Right Cheek	0.178	0.494	0.672

		0.094	25.00	25.00		0.202	23.00	20.50	Right Tilt	0.094	0.114	0.208
DC_7A+n66A	Ant.13	0.302	13.00	10.50	Ant.11	0.362	23.00	20.50	Left Cheek	0.170	0.204	0.373
		0.404	13.00	10.50		0.214	23.00	20.50	Left Tilt	0.227	0.120	0.348
		0.620	13.00	10.50		0.878	23.00	20.50	Right Cheek	0.349	0.494	0.842
		0.776	13.00	10.50		0.202	23.00	20.50	Right Tilt	0.436	0.114	0.550
DC_7A+n66A	Ant.31	0.196	24.00	24.00	Ant.11	0.362	23.00	20.50	Left Cheek	0.196	0.204	0.400
		0.133	24.00	24.00		0.214	23.00	20.50	Left Tilt	0.133	0.120	0.253
		0.331	24.00	24.00		0.878	23.00	20.50	Right Cheek	0.331	0.494	0.825
		0.211	24.00	24.00		0.202	23.00	20.50	Right Tilt	0.211	0.114	0.325
DC_4A+n38A	Ant.13	0.463	17.50	15.00	Ant.11	0.222	18.50	16.50	Left Cheek	0.260	0.140	0.400
		0.574	17.50	15.00		0.063	18.50	16.50	Left Tilt	0.323	0.040	0.363
		0.747	17.50	15.00		0.816	18.50	16.50	Right Cheek	0.420	0.515	0.935
		0.902	17.50	15.00		0.134	18.50	16.50	Right Tilt	0.507	0.085	0.592
DC_4A+n38A	Ant.31	0.114	24.50	24.50	Ant.11	0.222	18.50	16.50	Left Cheek	0.114	0.140	0.254
		0.061	24.50	24.50		0.063	18.50	16.50	Left Tilt	0.061	0.040	0.101
		0.070	24.50	24.50		0.816	18.50	16.50	Right Cheek	0.070	0.515	0.585
		0.066	24.50	24.50		0.134	18.50	16.50	Right Tilt	0.066	0.085	0.151
DC_66A+n38A	Ant.13	0.508	17.50	15.00	Ant.11	0.222	18.50	16.50	Left Cheek	0.286	0.140	0.426
		0.629	17.50	15.00		0.063	18.50	16.50	Left Tilt	0.354	0.040	0.393
		0.766	17.50	15.00		0.816	18.50	16.50	Right Cheek	0.431	0.515	0.946
		0.961	17.50	15.00		0.134	18.50	16.50	Right Tilt	0.540	0.085	0.625
DC_66A+n38A	Ant.31	0.114	24.50	24.50	Ant.11	0.222	18.50	16.50	Left Cheek	0.114	0.140	0.254
		0.065	24.50	24.50		0.063	18.50	16.50	Left Tilt	0.065	0.040	0.105
		0.079	24.50	24.50		0.816	18.50	16.50	Right Cheek	0.079	0.515	0.594
		0.062	24.50	24.50		0.134	18.50	16.50	Right Tilt	0.062	0.085	0.147
DC_4A+n41A	Ant.13	0.463	17.50	15.00	Ant.11	0.202	17.50	15.50	Left Cheek	0.260	0.127	0.388
		0.574	17.50	15.00		0.057	17.50	15.50	Left Tilt	0.323	0.036	0.359
		0.747	17.50	15.00		0.876	17.50	15.50	Right Cheek	0.420	0.553	0.973
		0.902	17.50	15.00		0.117	17.50	15.50	Right Tilt	0.507	0.074	0.581
DC_4A+n41A	Ant.31	0.114	24.50	24.50	Ant.11	0.202	17.50	15.50	Left Cheek	0.114	0.127	0.241
		0.061	24.50	24.50		0.057	17.50	15.50	Left Tilt	0.061	0.036	0.097
		0.070	24.50	24.50		0.876	17.50	15.50	Right Cheek	0.070	0.553	0.623
		0.066	24.50	24.50		0.117	17.50	15.50	Right Tilt	0.066	0.074	0.140
DC_66A+n41A	Ant.13	0.508	17.50	15.00	Ant.11	0.202	17.50	15.50	Left Cheek	0.286	0.127	0.413
		0.629	17.50	15.00		0.057	17.50	15.50	Left Tilt	0.354	0.036	0.390
		0.766	17.50	15.00		0.876	17.50	15.50	Right Cheek	0.431	0.553	0.983
		0.961	17.50	15.00		0.117	17.50	15.50	Right Tilt	0.540	0.074	0.614
DC_66A+n41A	Ant.31	0.114	24.50	24.50	Ant.11	0.202	17.50	15.50	Left Cheek	0.114	0.127	0.241
		0.065	24.50	24.50		0.057	17.50	15.50	Left Tilt	0.065	0.036	0.101
		0.079	24.50	24.50		0.876	17.50	15.50	Right Cheek	0.079	0.553	0.632
		0.062	24.50	24.50		0.117	17.50	15.50	Right Tilt	0.062	0.074	0.136
DC_7A+n77A	Ant.13	0.302	13.00	10.50	Ant.11	0.302	19.00	16.50	Left Cheek	0.170	0.170	0.340
		0.404	13.00	10.50		0.142	19.00	16.50	Left Tilt	0.227	0.080	0.307

		0.620	13.00	10.50		0.909	19.00	16.50	Right Cheek	0.349	0.511	0.860
		0.776	13.00	10.50		0.334	19.00	16.50	Right Tilt	0.436	0.188	0.624
DC_7A+n77A	Ant.13	0.302	13.00	10.50	Ant.12	0.078	18.50	16.00	Left Cheek	0.170	0.044	0.214
		0.404	13.00	10.50		0.221	18.50	16.00	Left Tilt	0.227	0.124	0.351
		0.620	13.00	10.50		0.277	18.50	16.00	Right Cheek	0.349	0.156	0.504
		0.776	13.00	10.50		0.184	18.50	16.00	Right Tilt	0.436	0.103	0.540
DC_7A+n77A	Ant.31	0.196	24.00	24.00	Ant.11	0.302	19.00	16.50	Left Cheek	0.196	0.170	0.366
		0.133	24.00	24.00		0.142	19.00	16.50	Left Tilt	0.133	0.080	0.213
		0.331	24.00	24.00		0.909	19.00	16.50	Right Cheek	0.331	0.511	0.842
		0.211	24.00	24.00		0.334	19.00	16.50	Right Tilt	0.211	0.188	0.399
DC_7A+n77A	Ant.31	0.196	24.00	24.00	Ant.12	0.078	18.50	16.00	Left Cheek	0.196	0.044	0.240
		0.133	24.00	24.00		0.221	18.50	16.00	Left Tilt	0.133	0.124	0.257
		0.331	24.00	24.00		0.277	18.50	16.00	Right Cheek	0.331	0.156	0.487
		0.211	24.00	24.00		0.184	18.50	16.00	Right Tilt	0.211	0.103	0.314
DC_2A+n78A	Ant.13	0.515	18.00	15.50	Ant.11	0.268	18.50	16.00	Left Cheek	0.290	0.151	0.440
		0.715	18.00	15.50		0.122	18.50	16.00	Left Tilt	0.402	0.069	0.471
		0.796	18.00	15.50		0.795	18.50	16.00	Right Cheek	0.448	0.447	0.895
		0.994	18.00	15.50		0.309	18.50	16.00	Right Tilt	0.559	0.174	0.733
DC_2A+n78A	Ant.13	0.515	18.00	15.50	Ant.12	0.201	18.00	16.00	Left Cheek	0.290	0.127	0.416
		0.715	18.00	15.50		0.254	18.00	16.00	Left Tilt	0.402	0.160	0.562
		0.796	18.00	15.50		0.819	18.00	16.00	Right Cheek	0.448	0.517	0.964
		0.994	18.00	15.50		0.514	18.00	16.00	Right Tilt	0.559	0.324	0.883
DC_2A+n78A	Ant.31	0.183	24.50	24.50	Ant.11	0.268	18.50	16.00	Left Cheek	0.183	0.151	0.334
		0.082	24.50	24.50		0.122	18.50	16.00	Left Tilt	0.082	0.069	0.151
		0.126	24.50	24.50		0.795	18.50	16.00	Right Cheek	0.126	0.447	0.573
		0.080	24.50	24.50		0.309	18.50	16.00	Right Tilt	0.080	0.174	0.254
DC_2A+n78A	Ant.31	0.183	24.50	24.50	Ant.12	0.201	18.00	16.00	Left Cheek	0.183	0.127	0.310
		0.082	24.50	24.50		0.254	18.00	16.00	Left Tilt	0.082	0.160	0.242
		0.126	24.50	24.50		0.819	18.00	16.00	Right Cheek	0.126	0.517	0.643
		0.080	24.50	24.50		0.514	18.00	16.00	Right Tilt	0.080	0.324	0.404
DC_4A+n78A	Ant.13	0.463	17.50	15.00	Ant.11	0.268	18.50	16.00	Left Cheek	0.260	0.151	0.411
		0.574	17.50	15.00		0.122	18.50	16.00	Left Tilt	0.323	0.069	0.391
		0.747	17.50	15.00		0.795	18.50	16.00	Right Cheek	0.420	0.447	0.867
		0.902	17.50	15.00		0.309	18.50	16.00	Right Tilt	0.507	0.174	0.681
DC_4A+n78A	Ant.13	0.463	17.50	15.00	Ant.12	0.201	18.00	16.00	Left Cheek	0.260	0.127	0.387
		0.574	17.50	15.00		0.254	18.00	16.00	Left Tilt	0.323	0.160	0.483
		0.747	17.50	15.00		0.819	18.00	16.00	Right Cheek	0.420	0.517	0.937
		0.902	17.50	15.00		0.514	18.00	16.00	Right Tilt	0.507	0.324	0.832
DC_4A+n78A	Ant.31	0.114	24.50	24.50	Ant.11	0.268	18.50	16.00	Left Cheek	0.114	0.151	0.265
		0.061	24.50	24.50		0.122	18.50	16.00	Left Tilt	0.061	0.069	0.130
		0.070	24.50	24.50		0.795	18.50	16.00	Right Cheek	0.070	0.447	0.517
		0.066	24.50	24.50		0.309	18.50	16.00	Right Tilt	0.066	0.174	0.240
DC_4A+n78A	Ant.31	0.114	24.50	24.50	Ant.12	0.201	18.00	16.00	Left Cheek	0.114	0.127	0.241



		0.061	24.50	24.50		0.254	18.00	16.00	Left Tilt	0.061	0.160	0.221
		0.070	24.50	24.50		0.819	18.00	16.00	Right Cheek	0.070	0.517	0.587
		0.066	24.50	24.50		0.514	18.00	16.00	Right Tilt	0.066	0.324	0.390
DC_5A+n78A	Ant.13	0.471	23.00	20.50	Ant.11	0.268	18.50	16.00	Left Cheek	0.265	0.151	0.416
		0.516	23.00	20.50		0.122	18.50	16.00	Left Tilt	0.290	0.069	0.359
		0.861	23.00	20.50		0.795	18.50	16.00	Right Cheek	0.484	0.447	0.931
		0.696	23.00	20.50		0.309	18.50	16.00	Right Tilt	0.391	0.174	0.565
DC_5A+n78A	Ant.13	0.471	23.00	20.50	Ant.12	0.201	18.00	16.00	Left Cheek	0.265	0.127	0.392
		0.516	23.00	20.50		0.254	18.00	16.00	Left Tilt	0.290	0.160	0.450
		0.861	23.00	20.50		0.819	18.00	16.00	Right Cheek	0.484	0.517	1.001
		0.696	23.00	20.50		0.514	18.00	16.00	Right Tilt	0.391	0.324	0.716
DC_5A+n78A	Ant.31	0.224	25.00	25.00	Ant.11	0.268	18.50	16.00	Left Cheek	0.224	0.151	0.375
		0.126	25.00	25.00		0.122	18.50	16.00	Left Tilt	0.126	0.069	0.195
		0.178	25.00	25.00		0.795	18.50	16.00	Right Cheek	0.178	0.447	0.625
		0.094	25.00	25.00		0.309	18.50	16.00	Right Tilt	0.094	0.174	0.268
DC_5A+n78A	Ant.31	0.224	25.00	25.00	Ant.12	0.201	18.00	16.00	Left Cheek	0.224	0.127	0.351
		0.126	25.00	25.00		0.254	18.00	16.00	Left Tilt	0.126	0.160	0.286
		0.178	25.00	25.00		0.819	18.00	16.00	Right Cheek	0.178	0.517	0.695
		0.094	25.00	25.00		0.514	18.00	16.00	Right Tilt	0.094	0.324	0.418
DC_7A+n78A	Ant.13	0.302	13.00	11.00	Ant.11	0.268	18.50	16.00	Left Cheek	0.191	0.151	0.341
		0.404	13.00	11.00		0.122	18.50	16.00	Left Tilt	0.255	0.069	0.324
		0.620	13.00	11.00		0.795	18.50	16.00	Right Cheek	0.391	0.447	0.838
		0.776	13.00	11.00		0.309	18.50	16.00	Right Tilt	0.490	0.174	0.663
DC_7A+n78A	Ant.13	0.302	13.00	11.00	Ant.12	0.201	18.00	16.00	Left Cheek	0.191	0.127	0.317
		0.404	13.00	11.00		0.254	18.00	16.00	Left Tilt	0.255	0.160	0.415
		0.620	13.00	11.00		0.819	18.00	16.00	Right Cheek	0.391	0.517	0.908
		0.776	13.00	11.00		0.514	18.00	16.00	Right Tilt	0.490	0.324	0.814
DC_7A+n78A	Ant.31	0.196	24.00	24.50	Ant.11	0.268	18.50	16.00	Left Cheek	0.220	0.151	0.371
		0.133	24.00	24.50		0.122	18.50	16.00	Left Tilt	0.149	0.069	0.218
		0.331	24.00	24.50		0.795	18.50	16.00	Right Cheek	0.371	0.447	0.818
		0.211	24.00	24.50		0.309	18.50	16.00	Right Tilt	0.237	0.174	0.411
DC_7A+n78A	Ant.31	0.196	24.00	24.50	Ant.12	0.201	18.00	16.00	Left Cheek	0.220	0.127	0.347
		0.133	24.00	24.50		0.254	18.00	16.00	Left Tilt	0.149	0.160	0.309
		0.331	24.00	24.50		0.819	18.00	16.00	Right Cheek	0.371	0.517	0.888
		0.211	24.00	24.50		0.514	18.00	16.00	Right Tilt	0.237	0.324	0.561
DC_66A+n78A	Ant.13	0.508	17.50	15.00	Ant.11	0.268	18.50	16.00	Left Cheek	0.286	0.151	0.436
		0.629	17.50	15.00		0.122	18.50	16.00	Left Tilt	0.354	0.069	0.422
		0.766	17.50	15.00		0.795	18.50	16.00	Right Cheek	0.431	0.447	0.878
		0.961	17.50	15.00		0.309	18.50	16.00	Right Tilt	0.540	0.174	0.714
DC_66A+n78A	Ant.13	0.508	17.50	15.00	Ant.12	0.201	18.00	16.00	Left Cheek	0.286	0.127	0.412
		0.629	17.50	15.00		0.254	18.00	16.00	Left Tilt	0.354	0.160	0.514
		0.766	17.50	15.00		0.819	18.00	16.00	Right Cheek	0.431	0.517	0.948
		0.961	17.50	15.00		0.514	18.00	16.00	Right Tilt	0.540	0.324	0.865

DC_66A+n78A	Ant.31	0.114	24.50	24.50	Ant.11	0.268	18.50	16.00	Left Cheek	0.114	0.151	0.265
		0.065	24.50	24.50		0.122	18.50	16.00	Left Tilt	0.065	0.069	0.134
		0.079	24.50	24.50		0.795	18.50	16.00	Right Cheek	0.079	0.447	0.526
		0.062	24.50	24.50		0.309	18.50	16.00	Right Tilt	0.062	0.174	0.236
DC_66A+n78A	Ant.31	0.114	24.50	24.50	Ant.12	0.201	18.00	16.00	Left Cheek	0.114	0.127	0.241
		0.065	24.50	24.50		0.254	18.00	16.00	Left Tilt	0.065	0.160	0.225
		0.079	24.50	24.50		0.819	18.00	16.00	Right Cheek	0.079	0.517	0.596
		0.062	24.50	24.50		0.514	18.00	16.00	Right Tilt	0.062	0.324	0.386
DC_38A+n78A	Ant.13	0.282	16.70	14.20	Ant.11	0.268	18.50	16.00	Left Cheek	0.159	0.151	0.309
		0.351	16.70	14.20		0.122	18.50	16.00	Left Tilt	0.197	0.069	0.266
		0.606	16.70	14.20		0.795	18.50	16.00	Right Cheek	0.341	0.447	0.788
		0.922	16.70	14.20		0.309	18.50	16.00	Right Tilt	0.518	0.174	0.692
DC_38A+n78A	Ant.13	0.282	16.70	14.20	Ant.12	0.201	18.00	16.00	Left Cheek	0.159	0.127	0.285
		0.351	16.70	14.20		0.254	18.00	16.00	Left Tilt	0.197	0.160	0.358
		0.606	16.70	14.20		0.819	18.00	16.00	Right Cheek	0.341	0.517	0.858
		0.922	16.70	14.20		0.514	18.00	16.00	Right Tilt	0.518	0.324	0.843
DC_38A+n78A	Ant.31	0.138	24.70	24.70	Ant.11	0.268	18.50	16.00	Left Cheek	0.138	0.151	0.289
		0.123	24.70	24.70		0.122	18.50	16.00	Left Tilt	0.123	0.069	0.192
		0.266	24.70	24.70		0.795	18.50	16.00	Right Cheek	0.266	0.447	0.713
		0.112	24.70	24.70		0.309	18.50	16.00	Right Tilt	0.112	0.174	0.286
DC_38A+n78A	Ant.31	0.138	24.70	24.70	Ant.12	0.201	18.00	16.00	Left Cheek	0.138	0.127	0.265
		0.123	24.70	24.70		0.254	18.00	16.00	Left Tilt	0.123	0.160	0.283
		0.266	24.70	24.70		0.819	18.00	16.00	Right Cheek	0.266	0.517	0.783
		0.112	24.70	24.70		0.514	18.00	16.00	Right Tilt	0.112	0.324	0.436
DC_41A+n78A	Ant.13	0.241	16.20	14.70	Ant.11	0.268	18.50	16.00	Left Cheek	0.171	0.151	0.321
		0.329	16.20	14.70		0.122	18.50	16.00	Left Tilt	0.233	0.069	0.302
		0.506	16.20	14.70		0.795	18.50	16.00	Right Cheek	0.358	0.447	0.805
		0.885	16.20	14.70		0.309	18.50	16.00	Right Tilt	0.627	0.174	0.800
DC_41A+n78A	Ant.13	0.241	16.20	14.70	Ant.12	0.201	18.00	16.00	Left Cheek	0.171	0.127	0.297
		0.329	16.20	14.70		0.254	18.00	16.00	Left Tilt	0.233	0.160	0.393
		0.506	16.20	14.70		0.819	18.00	16.00	Right Cheek	0.358	0.517	0.875
		0.885	16.20	14.70		0.514	18.00	16.00	Right Tilt	0.627	0.324	0.951
DC_41A+n78A	Ant.31	0.129	24.70	24.70	Ant.11	0.268	18.50	16.00	Left Cheek	0.129	0.151	0.280
		0.104	24.70	24.70		0.122	18.50	16.00	Left Tilt	0.104	0.069	0.173
		0.247	24.70	24.70		0.795	18.50	16.00	Right Cheek	0.247	0.447	0.694
		0.123	24.70	24.70		0.309	18.50	16.00	Right Tilt	0.123	0.174	0.297
DC_41A+n78A	Ant.31	0.129	24.70	24.70	Ant.12	0.201	18.00	16.00	Left Cheek	0.129	0.127	0.256
		0.104	24.70	24.70		0.254	18.00	16.00	Left Tilt	0.104	0.160	0.264
		0.247	24.70	24.70		0.819	18.00	16.00	Right Cheek	0.247	0.517	0.764
		0.123	24.70	24.70		0.514	18.00	16.00	Right Tilt	0.123	0.324	0.447
Note:												
1: The highest Summed 1g SAR is 1.001 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.												

## 13.2.10 Body-Worn Simultaneous Transmission SAR Evaluation for ENDC

Band	LTE Antenna	4G		ENDC	NR Antenna	SA		ENDC	Position	Stand alone SAR		
		LTE SAR	LTE Max Power	LTE Max Power		NR SAR	NR Max Power	NR		LTE SAR	NR SAR	1
				Max Power				Max Power				ENDC (LTE+NR)
				DSI4				DSI4				DSI4
DC_4A+n2A	Ant.11	0.145	24.50	24.50	Ant.13	0.272	24.50	24.50	Front Side 15mm	0.145	0.272	0.417
		0.146	24.50	24.50		0.202	24.50	24.50	Back Side 15mm	0.146	0.202	0.348
DC_4A+n2A	Ant.11	0.145	24.50	24.50	Ant.31	0.207	23.00	23.00	Front Side 15mm	0.145	0.207	0.352
		0.146	24.50	24.50		0.378	23.00	23.00	Back Side 15mm	0.146	0.378	0.524
DC_7A+n2A	Ant.11	0.200	24.00	24.00	Ant.13	0.272	24.50	24.50	Front Side 15mm	0.200	0.272	0.472
		0.274	24.00	24.00		0.202	24.50	24.50	Back Side 15mm	0.274	0.202	0.476
DC_7A+n2A	Ant.11	0.200	24.00	24.00	Ant.31	0.207	23.00	23.00	Front Side 15mm	0.200	0.207	0.407
		0.274	24.00	24.00		0.378	23.00	23.00	Back Side 15mm	0.274	0.378	0.652
DC_66A+n2A	Ant.11	0.126	24.50	24.50	Ant.13	0.272	24.50	24.50	Front Side 15mm	0.126	0.272	0.398
		0.160	24.50	24.50		0.202	24.50	24.50	Back Side 15mm	0.160	0.202	0.362
DC_66A+n2A	Ant.11	0.126	24.50	24.50	Ant.31	0.207	23.00	23.00	Front Side 15mm	0.126	0.207	0.333
		0.160	24.50	24.50		0.378	23.00	23.00	Back Side 15mm	0.160	0.378	0.538
DC_7A+n5A	Ant.11	0.200	24.00	24.00	Ant.13	0.148	25.00	25.00	Front Side 15mm	0.200	0.148	0.348
		0.274	24.00	24.00		0.166	25.00	25.00	Back Side 15mm	0.274	0.166	0.440
DC_7A+n5A	Ant.31	0.151	22.00	22.00	Ant.13	0.148	25.00	25.00	Front Side 15mm	0.151	0.148	0.299
		0.212	22.00	22.00		0.166	25.00	25.00	Back Side 15mm	0.212	0.166	0.378
DC_2A+n7A	Ant.13	0.301	24.50	24.50	Ant.11	0.222	24.50	24.50	Front Side 15mm	0.301	0.222	0.523
		0.224	24.50	24.50		0.299	24.50	24.50	Back Side 15mm	0.224	0.299	0.523
DC_2A+n7A	Ant.31	0.259	23.00	23.00	Ant.11	0.222	24.50	24.50	Front Side 15mm	0.259	0.222	0.481
		0.469	23.00	23.00		0.299	24.50	24.50	Back Side 15mm	0.469	0.299	0.768
DC_4A+n7A	Ant.13	0.382	24.50	24.50	Ant.11	0.222	24.50	24.50	Front Side 15mm	0.382	0.222	0.604
		0.252	24.50	24.50		0.299	24.50	24.50	Back Side 15mm	0.252	0.299	0.551
DC_4A+n7A	Ant.31	0.133	21.50	21.50	Ant.11	0.222	24.50	24.50	Front Side 15mm	0.133	0.222	0.355
		0.210	21.50	21.50		0.299	24.50	24.50	Back Side 15mm	0.210	0.299	0.509
DC_5A+n7A	Ant.13	0.128	25.00	25.00	Ant.11	0.222	24.50	24.50	Front Side 15mm	0.128	0.222	0.350
		0.143	25.00	25.00		0.299	24.50	24.50	Back Side 15mm	0.143	0.299	0.442
DC_5A+n7A	Ant.31	0.153	25.00	25.00	Ant.11	0.222	24.50	24.50	Front Side 15mm	0.153	0.222	0.375
		0.176	25.00	25.00		0.299	24.50	24.50	Back Side 15mm	0.176	0.299	0.475
DC_66A+n7A	Ant.13	0.456	24.50	24.50	Ant.11	0.222	24.50	24.50	Front Side 15mm	0.456	0.222	0.678
		0.289	24.50	24.50		0.299	24.50	24.50	Back Side 15mm	0.289	0.299	0.588
DC_66A+n7A	Ant.31	0.141	21.50	21.50	Ant.11	0.222	24.50	24.50	Front Side 15mm	0.141	0.222	0.363
		0.228	21.50	21.50		0.299	24.50	24.50	Back Side 15mm	0.228	0.299	0.527
DC_2A+n66A	Ant.13	0.301	24.50	24.50	Ant.11	0.126	24.50	24.50	Front Side 15mm	0.301	0.126	0.427
		0.224	24.50	24.50		0.164	24.50	24.50	Back Side 15mm	0.224	0.164	0.388
DC_2A+n66A	Ant.31	0.259	23.00	23.00	Ant.11	0.126	24.50	24.50	Front Side 15mm	0.259	0.126	0.385
		0.469	23.00	23.00		0.164	24.50	24.50	Back Side 15mm	0.469	0.164	0.633

DC_5A+n66A	Ant.13	0.128	25.00	25.00	Ant.11	0.126	24.50	24.50	Front Side 15mm	0.128	0.126	0.254
		0.143	25.00	25.00		0.164	24.50	24.50	Back Side 15mm	0.143	0.164	0.307
DC_5A+n66A	Ant.31	0.153	25.00	25.00	Ant.11	0.126	24.50	24.50	Front Side 15mm	0.153	0.126	0.279
		0.176	25.00	25.00		0.164	24.50	24.50	Back Side 15mm	0.176	0.164	0.340
DC_7A+n66A	Ant.13	0.560	21.50	21.50	Ant.11	0.126	24.50	24.50	Front Side 15mm	0.560	0.126	0.686
		0.701	21.50	21.50		0.164	24.50	24.50	Back Side 15mm	0.701	0.164	0.865
DC_7A+n66A	Ant.31	0.151	22.00	22.00	Ant.11	0.126	24.50	24.50	Front Side 15mm	0.151	0.126	0.277
		0.212	22.00	22.00		0.164	24.50	24.50	Back Side 15mm	0.212	0.164	0.376
DC_4A+n38A	Ant.13	0.382	24.50	24.50	Ant.11	0.396	24.50	24.50	Front Side 15mm	0.382	0.396	0.778
		0.252	24.50	24.50		0.617	24.50	24.50	Back Side 15mm	0.252	0.617	0.869
DC_4A+n38A	Ant.31	0.133	21.50	21.50	Ant.11	0.396	24.50	24.50	Front Side 15mm	0.133	0.396	0.529
		0.210	21.50	21.50		0.617	24.50	24.50	Back Side 15mm	0.210	0.617	0.827
DC_66A+n38A	Ant.13	0.456	24.50	24.50	Ant.11	0.396	24.50	24.50	Front Side 15mm	0.456	0.396	0.852
		0.289	24.50	24.50		0.617	24.50	24.50	Back Side 15mm	0.289	0.617	0.906
DC_66A+n38A	Ant.31	0.141	21.50	21.50	Ant.11	0.396	24.50	24.50	Front Side 15mm	0.141	0.396	0.537
		0.228	21.50	21.50		0.617	24.50	24.50	Back Side 15mm	0.228	0.617	0.845
DC_4A+n41A	Ant.13	0.382	24.50	24.50	Ant.11	0.379	24.00	24.00	Front Side 15mm	0.382	0.379	0.761
		0.252	24.50	24.50		0.556	24.00	24.00	Back Side 15mm	0.252	0.556	0.808
DC_4A+n41A	Ant.31	0.133	21.50	21.50	Ant.11	0.379	24.00	24.00	Front Side 15mm	0.133	0.379	0.512
		0.210	21.50	21.50		0.556	24.00	24.00	Back Side 15mm	0.210	0.556	0.766
DC_66A+n41A	Ant.13	0.456	24.50	24.50	Ant.11	0.379	24.00	24.00	Front Side 15mm	0.456	0.379	0.835
		0.289	24.50	24.50		0.556	24.00	24.00	Back Side 15mm	0.289	0.556	0.845
DC_66A+n41A	Ant.31	0.141	21.50	21.50	Ant.11	0.379	24.00	24.00	Front Side 15mm	0.141	0.379	0.520
		0.228	21.50	21.50		0.556	24.00	24.00	Back Side 15mm	0.228	0.556	0.784
DC_7A+n77A	Ant.13	0.560	21.50	21.50	Ant.11	0.389	24.50	24.50	Front Side 15mm	0.560	0.389	0.949
		0.701	21.50	21.50		0.693	24.50	24.50	Back Side 15mm	0.701	0.693	1.394
DC_7A+n77A	Ant.13	0.560	21.50	21.50	Ant.12	0.382	24.50	24.50	Front Side 15mm	0.560	0.382	0.942
		0.701	21.50	21.50		0.420	24.50	24.50	Back Side 15mm	0.701	0.420	1.121
DC_7A+n77A	Ant.31	0.151	22.00	22.00	Ant.11	0.389	24.50	24.50	Front Side 15mm	0.151	0.389	0.540
		0.212	22.00	22.00		0.693	24.50	24.50	Back Side 15mm	0.212	0.693	0.905
DC_7A+n77A	Ant.31	0.151	22.00	22.00	Ant.12	0.382	24.50	24.50	Front Side 15mm	0.151	0.382	0.533
		0.212	22.00	22.00		0.420	24.50	24.50	Back Side 15mm	0.212	0.420	0.632
DC_2A+n78A	Ant.13	0.301	24.50	24.50	Ant.11	0.334	24.00	24.00	Front Side 15mm	0.301	0.334	0.635
		0.224	24.50	24.50		0.602	24.00	24.00	Back Side 15mm	0.224	0.602	0.826
DC_2A+n78A	Ant.13	0.301	24.50	24.50	Ant.12	0.360	24.50	24.50	Front Side 15mm	0.301	0.360	0.661
		0.224	24.50	24.50		0.406	24.50	24.50	Back Side 15mm	0.224	0.406	0.630
DC_2A+n78A	Ant.31	0.259	23.00	23.00	Ant.11	0.334	24.00	24.00	Front Side 15mm	0.259	0.334	0.593
		0.469	23.00	23.00		0.602	24.00	24.00	Back Side 15mm	0.469	0.602	1.071
DC_2A+n78A	Ant.31	0.259	23.00	23.00	Ant.12	0.360	24.50	24.50	Front Side 15mm	0.259	0.360	0.619
		0.469	23.00	23.00		0.406	24.50	24.50	Back Side 15mm	0.469	0.406	0.875
DC_4A+n78A	Ant.13	0.382	24.50	24.50	Ant.11	0.334	24.00	24.00	Front Side 15mm	0.382	0.334	0.716
		0.252	24.50	24.50		0.602	24.00	24.00	Back Side 15mm	0.252	0.602	0.854
DC_4A+n78A	Ant.13	0.382	24.50	24.50	Ant.12	0.360	24.50	24.50	Front Side 15mm	0.382	0.360	0.742

		0.252	24.50	24.50		0.406	24.50	24.50	Back Side 15mm	0.252	0.406	0.658
DC_4A+n78A	Ant.31	0.133	21.50	21.50	Ant.11	0.334	24.00	24.00	Front Side 15mm	0.133	0.334	0.467
		0.210	21.50	21.50		0.602	24.00	24.00	Back Side 15mm	0.210	0.602	0.812
DC_4A+n78A	Ant.31	0.133	21.50	21.50	Ant.12	0.360	24.50	24.50	Front Side 15mm	0.133	0.360	0.493
		0.210	21.50	21.50		0.406	24.50	24.50	Back Side 15mm	0.210	0.406	0.616
DC_5A+n78A	Ant.13	0.128	25.00	25.00	Ant.11	0.334	24.00	24.00	Front Side 15mm	0.128	0.334	0.462
		0.143	25.00	25.00		0.602	24.00	24.00	Back Side 15mm	0.143	0.602	0.745
DC_5A+n78A	Ant.13	0.128	25.00	25.00	Ant.12	0.360	24.50	24.50	Front Side 15mm	0.128	0.360	0.488
		0.143	25.00	25.00		0.406	24.50	24.50	Back Side 15mm	0.143	0.406	0.549
DC_5A+n78A	Ant.31	0.153	25.00	25.00	Ant.11	0.334	24.00	24.00	Front Side 15mm	0.153	0.334	0.487
		0.176	25.00	25.00		0.602	24.00	24.00	Back Side 15mm	0.176	0.602	0.778
DC_5A+n78A	Ant.31	0.153	25.00	25.00	Ant.12	0.360	24.50	24.50	Front Side 15mm	0.153	0.360	0.513
		0.176	25.00	25.00		0.406	24.50	24.50	Back Side 15mm	0.176	0.406	0.582
DC_7A+n78A	Ant.13	0.560	21.50	21.50	Ant.11	0.334	24.00	24.00	Front Side 15mm	0.560	0.334	0.894
		0.701	21.50	21.50		0.602	24.00	24.00	Back Side 15mm	0.701	0.602	1.303
DC_7A+n78A	Ant.13	0.560	21.50	21.50	Ant.12	0.360	24.50	24.50	Front Side 15mm	0.560	0.360	0.920
		0.701	21.50	21.50		0.406	24.50	24.50	Back Side 15mm	0.701	0.406	1.107
DC_7A+n78A	Ant.31	0.151	22.00	22.00	Ant.11	0.334	24.00	24.00	Front Side 15mm	0.151	0.334	0.485
		0.212	22.00	22.00		0.602	24.00	24.00	Back Side 15mm	0.212	0.602	0.814
DC_7A+n78A	Ant.31	0.151	22.00	22.00	Ant.12	0.360	24.50	24.50	Front Side 15mm	0.151	0.360	0.511
		0.212	22.00	22.00		0.406	24.50	24.50	Back Side 15mm	0.212	0.406	0.618
DC_66A+n78A	Ant.13	0.456	24.50	24.50	Ant.11	0.334	24.00	24.00	Front Side 15mm	0.456	0.334	0.790
		0.289	24.50	24.50		0.602	24.00	24.00	Back Side 15mm	0.289	0.602	0.891
DC_66A+n78A	Ant.13	0.456	24.50	24.50	Ant.12	0.360	24.50	24.50	Front Side 15mm	0.456	0.360	0.816
		0.289	24.50	24.50		0.406	24.50	24.50	Back Side 15mm	0.289	0.406	0.695
DC_66A+n78A	Ant.31	0.141	21.50	21.50	Ant.11	0.334	24.00	24.00	Front Side 15mm	0.141	0.334	0.475
		0.228	21.50	21.50		0.602	24.00	24.00	Back Side 15mm	0.228	0.602	0.830
DC_66A+n78A	Ant.31	0.141	21.50	21.50	Ant.12	0.360	24.50	24.50	Front Side 15mm	0.141	0.360	0.501
		0.228	21.50	21.50		0.406	24.50	24.50	Back Side 15mm	0.228	0.406	0.634
DC_38A+n78A	Ant.13	0.694	24.70	24.70	Ant.11	0.334	24.00	24.00	Front Side 15mm	0.694	0.334	1.028
		0.792	24.70	24.70		0.602	24.00	24.00	Back Side 15mm	0.792	0.602	<b>1.394</b>
DC_38A+n78A	Ant.13	0.694	24.70	24.70	Ant.12	0.360	24.50	24.50	Front Side 15mm	0.694	0.360	1.054
		0.792	24.70	24.70		0.406	24.50	24.50	Back Side 15mm	0.792	0.406	1.198
DC_38A+n78A	Ant.31	0.159	24.70	24.70	Ant.11	0.334	24.00	24.00	Front Side 15mm	0.159	0.334	0.493
		0.238	24.70	24.70		0.602	24.00	24.00	Back Side 15mm	0.238	0.602	0.840
DC_38A+n78A	Ant.31	0.159	24.70	24.70	Ant.12	0.360	24.50	24.50	Front Side 15mm	0.159	0.360	0.519
		0.238	24.70	24.70		0.406	24.50	24.50	Back Side 15mm	0.238	0.406	0.644
DC_41A+n78A	Ant.13	0.374	23.70	23.70	Ant.11	0.334	24.00	24.00	Front Side 15mm	0.374	0.334	0.708
		0.551	23.70	23.70		0.602	24.00	24.00	Back Side 15mm	0.551	0.602	1.153
DC_41A+n78A	Ant.13	0.374	23.70	23.70	Ant.12	0.360	24.50	24.50	Front Side 15mm	0.374	0.360	0.734
		0.551	23.70	23.70		0.406	24.50	24.50	Back Side 15mm	0.551	0.406	0.957
DC_41A+n78A	Ant.31	0.153	24.70	24.70	Ant.11	0.334	24.00	24.00	Front Side 15mm	0.153	0.334	0.487
		0.213	24.70	24.70		0.602	24.00	24.00	Back Side 15mm	0.213	0.602	0.815

DC_41A+n78A	Ant.31	0.153	24.70	24.70	Ant.12	0.360	24.50	24.50	Front Side 15mm	0.153	0.360	0.513
		0.213	24.70	24.70		0.406	24.50	24.50	Back Side 15mm	0.213	0.406	0.619
Note:												
1: The highest Summed 1g SAR is 1.394 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.												

## 13.2.11 Head Simultaneous Transmission SAR Evaluation for ENDC and WLAN and BT

Band	LTE Antenna	4G		ENDC	NR Antenna	SA		ENDC	Position	Stand alone SAR						SUM SAR	
		LTE SAR	LTE Max Power	LTE Max Power		NR SAR	NR Max Power	NR Max Power		LTE SAR	NR SAR	1	2	3	4	1+2	1+3+4
				DSI3				DSI3				ENDC (LTE+NR) DSI3	2.4GWIFI Level2	5GWIFI Max. Level2	Bluetooth		
DC_4A+n2A	Ant.11	0.422	23.50	21.00	Ant.13	0.488	18.00	15.50	Left Cheek	0.237	0.274	0.512	0.879	0.533	0.278	1.391	1.323
		0.233	23.50	21.00		0.613	18.00	15.50	Left Tilt	0.131	0.345	0.476	0.597	0.398	0.260	1.073	1.134
		0.897	23.50	21.00		0.736	18.00	15.50	Right Cheek	0.504	0.414	0.918	0.374	0.174	0.173	1.292	1.265
		0.207	23.50	21.00		0.907	18.00	15.50	Right Tilt	0.116	0.510	0.626	0.403	0.199	0.169	1.029	0.994
DC_4A+n2A	Ant.11	0.422	23.50	21.00	Ant.31	0.093	24.50	24.50	Left Cheek	0.237	0.093	0.330	0.879	0.533	0.278	1.209	1.141
		0.233	23.50	21.00		0.084	24.50	24.50	Left Tilt	0.131	0.084	0.215	0.597	0.398	0.260	0.812	0.873
		0.897	23.50	21.00		0.153	24.50	24.50	Right Cheek	0.504	0.153	0.657	0.374	0.174	0.173	1.031	1.004
		0.207	23.50	21.00		0.073	24.50	24.50	Right Tilt	0.116	0.073	0.189	0.403	0.199	0.169	0.592	0.557
DC_7A+n2A	Ant.11	0.265	18.00	16.00	Ant.13	0.488	18.00	15.50	Left Cheek	0.167	0.274	0.442	0.879	0.533	0.278	1.321	1.253
		0.074	18.00	16.00		0.613	18.00	15.50	Left Tilt	0.047	0.345	0.391	0.597	0.398	0.260	0.988	1.049
		0.804	18.00	16.00		0.736	18.00	15.50	Right Cheek	0.507	0.414	0.921	0.374	0.174	0.173	1.295	1.268
		0.124	18.00	16.00		0.907	18.00	15.50	Right Tilt	0.078	0.510	0.588	0.403	0.199	0.169	0.991	0.956
DC_7A+n2A	Ant.11	0.265	18.00	16.00	Ant.31	0.093	24.50	24.50	Left Cheek	0.167	0.093	0.260	0.879	0.533	0.278	1.139	1.071
		0.074	18.00	16.00		0.084	24.50	24.50	Left Tilt	0.047	0.084	0.131	0.597	0.398	0.260	0.728	0.789
		0.804	18.00	16.00		0.153	24.50	24.50	Right Cheek	0.507	0.153	0.660	0.374	0.174	0.173	1.034	1.007
		0.124	18.00	16.00		0.073	24.50	24.50	Right Tilt	0.078	0.073	0.151	0.403	0.199	0.169	0.554	0.519
DC_66A+n2A	Ant.11	0.318	23.50	21.00	Ant.13	0.488	18.00	15.50	Left Cheek	0.179	0.274	0.453	0.879	0.533	0.278	1.332	1.264
		0.165	23.50	21.00		0.613	18.00	15.50	Left Tilt	0.093	0.345	0.438	0.597	0.398	0.260	1.035	1.096
		0.820	23.50	21.00		0.736	18.00	15.50	Right Cheek	0.461	0.414	0.875	0.374	0.174	0.173	1.249	1.222
		0.188	23.50	21.00		0.907	18.00	15.50	Right Tilt	0.106	0.510	0.616	0.403	0.199	0.169	1.019	0.984
DC_66A+n2A	Ant.11	0.318	23.50	21.00	Ant.31	0.093	24.50	24.50	Left Cheek	0.179	0.093	0.272	0.879	0.533	0.278	1.151	1.083
		0.165	23.50	21.00		0.084	24.50	24.50	Left Tilt	0.093	0.084	0.177	0.597	0.398	0.260	0.774	0.835
		0.820	23.50	21.00		0.153	24.50	24.50	Right Cheek	0.461	0.153	0.614	0.374	0.174	0.173	0.988	0.961
		0.188	23.50	21.00		0.073	24.50	24.50	Right Tilt	0.106	0.073	0.179	0.403	0.199	0.169	0.582	0.547
DC_7A+n5A	Ant.11	0.265	18.00	16.00	Ant.13	0.463	23.00	20.50	Left Cheek	0.167	0.260	0.428	0.879	0.533	0.278	1.307	1.239
		0.074	18.00	16.00		0.487	23.00	20.50	Left Tilt	0.047	0.274	0.321	0.597	0.398	0.260	0.918	0.979
		0.804	18.00	16.00		0.766	23.00	20.50	Right Cheek	0.507	0.431	0.938	0.374	0.174	0.173	1.312	1.285
		0.124	18.00	16.00		0.695	23.00	20.50	Right Tilt	0.078	0.391	0.469	0.403	0.199	0.169	0.872	0.837
DC_7A+n5A	Ant.31	0.196	24.00	24.00	Ant.13	0.463	23.00	20.50	Left Cheek	0.196	0.260	0.456	0.879	0.533	0.278	1.335	1.267
		0.133	24.00	24.00		0.487	23.00	20.50	Left Tilt	0.133	0.274	0.407	0.597	0.398	0.260	1.004	1.065
		0.331	24.00	24.00		0.766	23.00	20.50	Right Cheek	0.331	0.431	0.762	0.374	0.174	0.173	1.136	1.109
		0.211	24.00	24.00		0.695	23.00	20.50	Right Tilt	0.211	0.391	0.602	0.403	0.199	0.169	1.005	0.970
DC_2A+n7A	Ant.13	0.515	18.00	15.50	Ant.11	0.321	18.50	16.00	Left Cheek	0.290	0.181	0.470	0.879	0.533	0.278	1.349	1.281
		0.715	18.00	15.50		0.082	18.50	16.00	Left Tilt	0.402	0.046	0.448	0.597	0.398	0.260	1.045	1.106
		0.796	18.00	15.50		0.752	18.50	16.00	Right Cheek	0.448	0.423	0.871	0.374	0.174	0.173	1.245	1.218
		0.994	18.00	15.50		0.134	18.50	16.00	Right Tilt	0.559	0.075	0.634	0.403	0.199	0.169	1.037	1.002

DC_2A+n7A	Ant.31	0.183	24.50	24.50	Ant.11	0.321	18.50	16.00	Left Cheek	0.183	0.181	0.364	0.879	0.533	0.278	1.243	1.175
		0.082	24.50	24.50		0.082	18.50	16.00	Left Tilt	0.082	0.046	0.128	0.597	0.398	0.260	0.725	0.786
		0.126	24.50	24.50		0.752	18.50	16.00	Right Cheek	0.126	0.423	0.549	0.374	0.174	0.173	0.923	0.896
		0.080	24.50	24.50		0.134	18.50	16.00	Right Tilt	0.080	0.075	0.155	0.403	0.199	0.169	0.558	0.523
DC_4A+n7A	Ant.13	0.463	17.50	15.00	Ant.11	0.321	18.50	16.00	Left Cheek	0.260	0.181	0.441	0.879	0.533	0.278	1.320	1.252
		0.574	17.50	15.00		0.082	18.50	16.00	Left Tilt	0.323	0.046	0.369	0.597	0.398	0.260	0.966	1.027
		0.747	17.50	15.00		0.752	18.50	16.00	Right Cheek	0.420	0.423	0.843	0.374	0.174	0.173	1.217	1.190
		0.902	17.50	15.00		0.134	18.50	16.00	Right Tilt	0.507	0.075	0.583	0.403	0.199	0.169	0.986	0.951
DC_4A+n7A	Ant.31	0.114	24.50	24.50	Ant.11	0.321	18.50	16.00	Left Cheek	0.114	0.181	0.295	0.879	0.533	0.278	1.174	1.106
		0.061	24.50	24.50		0.082	18.50	16.00	Left Tilt	0.061	0.046	0.107	0.597	0.398	0.260	0.704	0.765
		0.070	24.50	24.50		0.752	18.50	16.00	Right Cheek	0.070	0.423	0.493	0.374	0.174	0.173	0.867	0.840
		0.066	24.50	24.50		0.134	18.50	16.00	Right Tilt	0.066	0.075	0.141	0.403	0.199	0.169	0.544	0.509
DC_5A+n7A	Ant.13	0.471	23.00	20.50	Ant.11	0.321	18.50	16.00	Left Cheek	0.265	0.181	0.445	0.879	0.533	0.278	1.324	1.256
		0.516	23.00	20.50		0.082	18.50	16.00	Left Tilt	0.290	0.046	0.336	0.597	0.398	0.260	0.933	0.994
		0.861	23.00	20.50		0.752	18.50	16.00	Right Cheek	0.484	0.423	0.907	0.374	0.174	0.173	1.281	1.254
		0.696	23.00	20.50		0.134	18.50	16.00	Right Tilt	0.391	0.075	0.467	0.403	0.199	0.169	0.870	0.835
DC_5A+n7A	Ant.31	0.224	25.00	25.00	Ant.11	0.321	18.50	16.00	Left Cheek	0.224	0.181	0.405	0.879	0.533	0.278	1.284	1.216
		0.126	25.00	25.00		0.082	18.50	16.00	Left Tilt	0.126	0.046	0.172	0.597	0.398	0.260	0.769	0.830
		0.178	25.00	25.00		0.752	18.50	16.00	Right Cheek	0.178	0.423	0.601	0.374	0.174	0.173	0.975	0.948
		0.094	25.00	25.00		0.134	18.50	16.00	Right Tilt	0.094	0.075	0.169	0.403	0.199	0.169	0.572	0.537
DC_66A+n7A	Ant.13	0.508	17.50	15.00	Ant.11	0.321	18.50	16.00	Left Cheek	0.286	0.181	0.466	0.879	0.533	0.278	1.345	1.277
		0.629	17.50	15.00		0.082	18.50	16.00	Left Tilt	0.354	0.046	0.400	0.597	0.398	0.260	0.997	1.058
		0.766	17.50	15.00		0.752	18.50	16.00	Right Cheek	0.431	0.423	0.854	0.374	0.174	0.173	1.228	1.201
		0.961	17.50	15.00		0.134	18.50	16.00	Right Tilt	0.540	0.075	0.616	0.403	0.199	0.169	1.019	0.984
DC_66A+n7A	Ant.31	0.114	24.50	24.50	Ant.11	0.321	18.50	16.00	Left Cheek	0.114	0.181	0.295	0.879	0.533	0.278	1.174	1.106
		0.065	24.50	24.50		0.082	18.50	16.00	Left Tilt	0.065	0.046	0.111	0.597	0.398	0.260	0.708	0.769
		0.079	24.50	24.50		0.752	18.50	16.00	Right Cheek	0.079	0.423	0.502	0.374	0.174	0.173	0.876	0.849
		0.062	24.50	24.50		0.134	18.50	16.00	Right Tilt	0.062	0.075	0.137	0.403	0.199	0.169	0.540	0.505
DC_2A+n66A	Ant.13	0.515	18.00	15.50	Ant.11	0.362	23.00	20.50	Left Cheek	0.290	0.204	0.493	0.879	0.533	0.278	1.372	1.304
		0.715	18.00	15.50		0.214	23.00	20.50	Left Tilt	0.402	0.120	0.522	0.597	0.398	0.260	1.119	1.180
		0.796	18.00	15.50		0.878	23.00	20.50	Right Cheek	0.448	0.494	0.941	0.374	0.174	0.173	1.315	1.288
		0.994	18.00	15.50		0.202	23.00	20.50	Right Tilt	0.559	0.114	0.673	0.403	0.199	0.169	1.076	1.041
DC_2A+n66A	Ant.31	0.183	24.50	24.50	Ant.11	0.362	23.00	20.50	Left Cheek	0.183	0.204	0.387	0.879	0.533	0.278	1.266	1.198
		0.082	24.50	24.50		0.214	23.00	20.50	Left Tilt	0.082	0.120	0.202	0.597	0.398	0.260	0.799	0.860
		0.126	24.50	24.50		0.878	23.00	20.50	Right Cheek	0.126	0.494	0.620	0.374	0.174	0.173	0.994	0.967
		0.080	24.50	24.50		0.202	23.00	20.50	Right Tilt	0.080	0.114	0.194	0.403	0.199	0.169	0.597	0.562
DC_5A+n66A	Ant.13	0.471	23.00	20.50	Ant.11	0.362	23.00	20.50	Left Cheek	0.265	0.204	0.468	0.879	0.533	0.278	1.347	1.279
		0.516	23.00	20.50		0.214	23.00	20.50	Left Tilt	0.290	0.120	0.411	0.597	0.398	0.260	1.008	1.069
		0.861	23.00	20.50		0.878	23.00	20.50	Right Cheek	0.484	0.494	0.978	0.374	0.174	0.173	1.352	1.325
		0.696	23.00	20.50		0.202	23.00	20.50	Right Tilt	0.391	0.114	0.505	0.403	0.199	0.169	0.908	0.873
DC_5A+n66A	Ant.31	0.224	25.00	25.00	Ant.11	0.362	23.00	20.50	Left Cheek	0.224	0.204	0.428	0.879	0.533	0.278	1.307	1.239
		0.126	25.00	25.00		0.214	23.00	20.50	Left Tilt	0.126	0.120	0.246	0.597	0.398	0.260	0.843	0.904
		0.178	25.00	25.00		0.878	23.00	20.50	Right Cheek	0.178	0.494	0.672	0.374	0.174	0.173	1.046	1.019



		0.094	25.00	25.00		0.202	23.00	20.50	Right Tilt	0.094	0.114	0.208	0.403	0.199	0.169	0.611	0.576
DC_7A+n66A	Ant.13	0.302	13.00	10.50	Ant.11	0.362	23.00	20.50	Left Cheek	0.170	0.204	0.373	0.879	0.533	0.278	1.252	1.184
		0.404	13.00	10.50		0.214	23.00	20.50	Left Tilt	0.227	0.120	0.348	0.597	0.398	0.260	0.945	1.006
		0.620	13.00	10.50		0.878	23.00	20.50	Right Cheek	0.349	0.494	0.842	0.374	0.174	0.173	1.216	1.189
		0.776	13.00	10.50		0.202	23.00	20.50	Right Tilt	0.436	0.114	0.550	0.403	0.199	0.169	0.953	0.918
DC_7A+n66A	Ant.31	0.196	24.00	24.00	Ant.11	0.362	23.00	20.50	Left Cheek	0.196	0.204	0.400	0.879	0.533	0.278	1.279	1.211
		0.133	24.00	24.00		0.214	23.00	20.50	Left Tilt	0.133	0.120	0.253	0.597	0.398	0.260	0.850	0.911
		0.331	24.00	24.00		0.878	23.00	20.50	Right Cheek	0.331	0.494	0.825	0.374	0.174	0.173	1.199	1.172
		0.211	24.00	24.00		0.202	23.00	20.50	Right Tilt	0.211	0.114	0.325	0.403	0.199	0.169	0.728	0.693
DC_4A+n38A	Ant.13	0.463	17.50	15.00	Ant.11	0.222	18.50	16.50	Left Cheek	0.260	0.140	0.400	0.879	0.533	0.278	1.279	1.211
		0.574	17.50	15.00		0.063	18.50	16.50	Left Tilt	0.323	0.040	0.363	0.597	0.398	0.260	0.960	1.021
		0.747	17.50	15.00		0.816	18.50	16.50	Right Cheek	0.420	0.515	0.935	0.374	0.174	0.173	1.309	1.282
		0.902	17.50	15.00		0.134	18.50	16.50	Right Tilt	0.507	0.085	0.592	0.403	0.199	0.169	0.995	0.960
DC_4A+n38A	Ant.31	0.114	24.50	24.50	Ant.11	0.222	18.50	16.50	Left Cheek	0.114	0.140	0.254	0.879	0.533	0.278	1.133	1.065
		0.061	24.50	24.50		0.063	18.50	16.50	Left Tilt	0.061	0.040	0.101	0.597	0.398	0.260	0.698	0.759
		0.070	24.50	24.50		0.816	18.50	16.50	Right Cheek	0.070	0.515	0.585	0.374	0.174	0.173	0.959	0.932
		0.066	24.50	24.50		0.134	18.50	16.50	Right Tilt	0.066	0.085	0.151	0.403	0.199	0.169	0.554	0.519
DC_66A+n38A	Ant.13	0.508	17.50	15.00	Ant.11	0.222	18.50	16.50	Left Cheek	0.286	0.140	0.426	0.879	0.533	0.278	1.305	1.237
		0.629	17.50	15.00		0.063	18.50	16.50	Left Tilt	0.354	0.040	0.393	0.597	0.398	0.260	0.990	1.051
		0.766	17.50	15.00		0.816	18.50	16.50	Right Cheek	0.431	0.515	0.946	0.374	0.174	0.173	1.320	1.293
		0.961	17.50	15.00		0.134	18.50	16.50	Right Tilt	0.540	0.085	0.625	0.403	0.199	0.169	1.028	0.993
DC_66A+n38A	Ant.31	0.114	24.50	24.50	Ant.11	0.222	18.50	16.50	Left Cheek	0.114	0.140	0.254	0.879	0.533	0.278	1.133	1.065
		0.065	24.50	24.50		0.063	18.50	16.50	Left Tilt	0.065	0.040	0.105	0.597	0.398	0.260	0.702	0.763
		0.079	24.50	24.50		0.816	18.50	16.50	Right Cheek	0.079	0.515	0.594	0.374	0.174	0.173	0.968	0.941
		0.062	24.50	24.50		0.134	18.50	16.50	Right Tilt	0.062	0.085	0.147	0.403	0.199	0.169	0.550	0.515
DC_4A+n41A	Ant.13	0.463	17.50	15.00	Ant.11	0.202	17.50	15.50	Left Cheek	0.260	0.127	0.388	0.879	0.533	0.278	1.267	1.199
		0.574	17.50	15.00		0.057	17.50	15.50	Left Tilt	0.323	0.036	0.359	0.597	0.398	0.260	0.956	1.017
		0.747	17.50	15.00		0.876	17.50	15.50	Right Cheek	0.420	0.553	0.973	0.374	0.174	0.173	1.347	1.320
		0.902	17.50	15.00		0.117	17.50	15.50	Right Tilt	0.507	0.074	0.581	0.403	0.199	0.169	0.984	0.949
DC_4A+n41A	Ant.31	0.114	24.50	24.50	Ant.11	0.202	17.50	15.50	Left Cheek	0.114	0.127	0.241	0.879	0.533	0.278	1.120	1.052
		0.061	24.50	24.50		0.057	17.50	15.50	Left Tilt	0.061	0.036	0.097	0.597	0.398	0.260	0.694	0.755
		0.070	24.50	24.50		0.876	17.50	15.50	Right Cheek	0.070	0.553	0.623	0.374	0.174	0.173	0.997	0.970
		0.066	24.50	24.50		0.117	17.50	15.50	Right Tilt	0.066	0.074	0.140	0.403	0.199	0.169	0.543	0.508
DC_66A+n41A	Ant.13	0.508	17.50	15.00	Ant.11	0.202	17.50	15.50	Left Cheek	0.286	0.127	0.413	0.879	0.533	0.278	1.292	1.224
		0.629	17.50	15.00		0.057	17.50	15.50	Left Tilt	0.354	0.036	0.390	0.597	0.398	0.260	0.987	1.048
		0.766	17.50	15.00		0.876	17.50	15.50	Right Cheek	0.431	0.553	0.983	0.374	0.174	0.173	1.357	1.330
		0.961	17.50	15.00		0.117	17.50	15.50	Right Tilt	0.540	0.074	0.614	0.403	0.199	0.169	1.017	0.982
DC_66A+n41A	Ant.31	0.114	24.50	24.50	Ant.11	0.202	17.50	15.50	Left Cheek	0.114	0.127	0.241	0.879	0.533	0.278	1.120	1.052
		0.065	24.50	24.50		0.057	17.50	15.50	Left Tilt	0.065	0.036	0.101	0.597	0.398	0.260	0.698	0.759
		0.079	24.50	24.50		0.876	17.50	15.50	Right Cheek	0.079	0.553	0.632	0.374	0.174	0.173	1.006	0.979
		0.062	24.50	24.50		0.117	17.50	15.50	Right Tilt	0.062	0.074	0.136	0.403	0.199	0.169	0.539	0.504
DC_7A+n77A	Ant.13	0.302	13.00	10.50	Ant.11	0.302	19.00	16.50	Left Cheek	0.170	0.170	0.340	0.879	0.533	0.278	1.219	1.151
		0.404	13.00	10.50		0.142	19.00	16.50	Left Tilt	0.227	0.080	0.307	0.597	0.398	0.260	0.904	0.965

		0.620	13.00	10.50		0.909	19.00	16.50	Right Cheek	0.349	0.511	0.860	0.374	0.174	0.173	1.234	1.207
		0.776	13.00	10.50		0.334	19.00	16.50	Right Tilt	0.436	0.188	0.624	0.403	0.199	0.169	1.027	0.992
DC_7A+n77A	Ant.13	0.302	13.00	10.50	Ant.12	0.078	18.50	16.00	Left Cheek	0.170	0.044	0.214	0.879	0.533	0.278	1.093	1.025
		0.404	13.00	10.50		0.221	18.50	16.00	Left Tilt	0.227	0.124	0.351	0.597	0.398	0.260	0.948	1.009
		0.620	13.00	10.50		0.277	18.50	16.00	Right Cheek	0.349	0.156	0.504	0.374	0.174	0.173	0.878	0.851
		0.776	13.00	10.50		0.184	18.50	16.00	Right Tilt	0.436	0.103	0.540	0.403	0.199	0.169	0.943	0.908
DC_7A+n77A	Ant.31	0.196	24.00	24.00	Ant.11	0.302	19.00	16.50	Left Cheek	0.196	0.170	0.366	0.879	0.533	0.278	1.245	1.177
		0.133	24.00	24.00		0.142	19.00	16.50	Left Tilt	0.133	0.080	0.213	0.597	0.398	0.260	0.810	0.871
		0.331	24.00	24.00		0.909	19.00	16.50	Right Cheek	0.331	0.511	0.842	0.374	0.174	0.173	1.216	1.189
		0.211	24.00	24.00		0.334	19.00	16.50	Right Tilt	0.211	0.188	0.399	0.403	0.199	0.169	0.802	0.767
DC_7A+n77A	Ant.31	0.196	24.00	24.00	Ant.12	0.078	18.50	16.00	Left Cheek	0.196	0.044	0.240	0.879	0.533	0.278	1.119	1.051
		0.133	24.00	24.00		0.221	18.50	16.00	Left Tilt	0.133	0.124	0.257	0.597	0.398	0.260	0.854	0.915
		0.331	24.00	24.00		0.277	18.50	16.00	Right Cheek	0.331	0.156	0.487	0.374	0.174	0.173	0.861	0.834
		0.211	24.00	24.00		0.184	18.50	16.00	Right Tilt	0.211	0.103	0.314	0.403	0.199	0.169	0.717	0.682
DC_2A+n78A	Ant.13	0.515	18.00	15.50	Ant.11	0.268	18.50	16.00	Left Cheek	0.290	0.151	0.440	0.879	0.533	0.278	1.319	1.251
		0.715	18.00	15.50		0.122	18.50	16.00	Left Tilt	0.402	0.069	0.471	0.597	0.398	0.260	1.068	1.129
		0.796	18.00	15.50		0.795	18.50	16.00	Right Cheek	0.448	0.447	0.895	0.374	0.174	0.173	1.269	1.242
		0.994	18.00	15.50		0.309	18.50	16.00	Right Tilt	0.559	0.174	0.733	0.403	0.199	0.169	1.136	1.101
DC_2A+n78A	Ant.13	0.515	18.00	15.50	Ant.12	0.201	18.00	16.00	Left Cheek	0.290	0.127	0.416	0.879	0.533	0.278	1.295	1.227
		0.715	18.00	15.50		0.254	18.00	16.00	Left Tilt	0.402	0.160	0.562	0.597	0.398	0.260	1.159	1.220
		0.796	18.00	15.50		0.819	18.00	16.00	Right Cheek	0.448	0.517	0.964	0.374	0.174	0.173	1.338	1.311
		0.994	18.00	15.50		0.514	18.00	16.00	Right Tilt	0.559	0.324	0.883	0.403	0.199	0.169	1.286	1.251
DC_2A+n78A	Ant.31	0.183	24.50	24.50	Ant.11	0.268	18.50	16.00	Left Cheek	0.183	0.151	0.334	0.879	0.533	0.278	1.213	1.145
		0.082	24.50	24.50		0.122	18.50	16.00	Left Tilt	0.082	0.069	0.151	0.597	0.398	0.260	0.748	0.809
		0.126	24.50	24.50		0.795	18.50	16.00	Right Cheek	0.126	0.447	0.573	0.374	0.174	0.173	0.947	0.920
		0.080	24.50	24.50		0.309	18.50	16.00	Right Tilt	0.080	0.174	0.254	0.403	0.199	0.169	0.657	0.622
DC_2A+n78A	Ant.31	0.183	24.50	24.50	Ant.12	0.201	18.00	16.00	Left Cheek	0.183	0.127	0.310	0.879	0.533	0.278	1.189	1.121
		0.082	24.50	24.50		0.254	18.00	16.00	Left Tilt	0.082	0.160	0.242	0.597	0.398	0.260	0.839	0.900
		0.126	24.50	24.50		0.819	18.00	16.00	Right Cheek	0.126	0.517	0.643	0.374	0.174	0.173	1.017	0.990
		0.080	24.50	24.50		0.514	18.00	16.00	Right Tilt	0.080	0.324	0.404	0.403	0.199	0.169	0.807	0.772
DC_4A+n78A	Ant.13	0.463	17.50	15.00	Ant.11	0.268	18.50	16.00	Left Cheek	0.260	0.151	0.411	0.879	0.533	0.278	1.290	1.222
		0.574	17.50	15.00		0.122	18.50	16.00	Left Tilt	0.323	0.069	0.391	0.597	0.398	0.260	0.988	1.049
		0.747	17.50	15.00		0.795	18.50	16.00	Right Cheek	0.420	0.447	0.867	0.374	0.174	0.173	1.241	1.214
		0.902	17.50	15.00		0.309	18.50	16.00	Right Tilt	0.507	0.174	0.681	0.403	0.199	0.169	1.084	1.049
DC_4A+n78A	Ant.13	0.463	17.50	15.00	Ant.12	0.201	18.00	16.00	Left Cheek	0.260	0.127	0.387	0.879	0.533	0.278	1.266	1.198
		0.574	17.50	15.00		0.254	18.00	16.00	Left Tilt	0.323	0.160	0.483	0.597	0.398	0.260	1.080	1.141
		0.747	17.50	15.00		0.819	18.00	16.00	Right Cheek	0.420	0.517	0.937	0.374	0.174	0.173	1.311	1.284
		0.902	17.50	15.00		0.514	18.00	16.00	Right Tilt	0.507	0.324	0.832	0.403	0.199	0.169	1.235	1.200
DC_4A+n78A	Ant.31	0.114	24.50	24.50	Ant.11	0.268	18.50	16.00	Left Cheek	0.114	0.151	0.265	0.879	0.533	0.278	1.144	1.076
		0.061	24.50	24.50		0.122	18.50	16.00	Left Tilt	0.061	0.069	0.130	0.597	0.398	0.260	0.727	0.788
		0.070	24.50	24.50		0.795	18.50	16.00	Right Cheek	0.070	0.447	0.517	0.374	0.174	0.173	0.891	0.864
		0.066	24.50	24.50		0.309	18.50	16.00	Right Tilt	0.066	0.174	0.240	0.403	0.199	0.169	0.643	0.608
DC_4A+n78A	Ant.31	0.114	24.50	24.50	Ant.12	0.201	18.00	16.00	Left Cheek	0.114	0.127	0.241	0.879	0.533	0.278	1.120	1.052

		0.061	24.50	24.50		0.254	18.00	16.00	Left Tilt	0.061	0.160	0.221	0.597	0.398	0.260	0.818	0.879
		0.070	24.50	24.50		0.819	18.00	16.00	Right Cheek	0.070	0.517	0.587	0.374	0.174	0.173	0.961	0.934
		0.066	24.50	24.50		0.514	18.00	16.00	Right Tilt	0.066	0.324	0.390	0.403	0.199	0.169	0.793	0.758
DC_5A+n78A	Ant.13	0.471	23.00	20.50	Ant.11	0.268	18.50	16.00	Left Cheek	0.265	0.151	0.416	0.879	0.533	0.278	1.295	1.227
		0.516	23.00	20.50		0.122	18.50	16.00	Left Tilt	0.290	0.069	0.359	0.597	0.398	0.260	0.956	1.017
		0.861	23.00	20.50		0.795	18.50	16.00	Right Cheek	0.484	0.447	0.931	0.374	0.174	0.173	1.305	1.278
		0.696	23.00	20.50		0.309	18.50	16.00	Right Tilt	0.391	0.174	0.565	0.403	0.199	0.169	0.968	0.933
DC_5A+n78A	Ant.13	0.471	23.00	20.50	Ant.12	0.201	18.00	16.00	Left Cheek	0.265	0.127	0.392	0.879	0.533	0.278	1.271	1.203
		0.516	23.00	20.50		0.254	18.00	16.00	Left Tilt	0.290	0.160	0.450	0.597	0.398	0.260	1.047	1.108
		0.861	23.00	20.50		0.819	18.00	16.00	Right Cheek	0.484	0.517	1.001	0.374	0.174	0.173	1.375	1.348
		0.696	23.00	20.50		0.514	18.00	16.00	Right Tilt	0.391	0.324	0.716	0.403	0.199	0.169	1.119	1.084
DC_5A+n78A	Ant.31	0.224	25.00	25.00	Ant.11	0.268	18.50	16.00	Left Cheek	0.224	0.151	0.375	0.879	0.533	0.278	1.254	1.186
		0.126	25.00	25.00		0.122	18.50	16.00	Left Tilt	0.126	0.069	0.195	0.597	0.398	0.260	0.792	0.853
		0.178	25.00	25.00		0.795	18.50	16.00	Right Cheek	0.178	0.447	0.625	0.374	0.174	0.173	0.999	0.972
		0.094	25.00	25.00		0.309	18.50	16.00	Right Tilt	0.094	0.174	0.268	0.403	0.199	0.169	0.671	0.636
DC_5A+n78A	Ant.31	0.224	25.00	25.00	Ant.12	0.201	18.00	16.00	Left Cheek	0.224	0.127	0.351	0.879	0.533	0.278	1.230	1.162
		0.126	25.00	25.00		0.254	18.00	16.00	Left Tilt	0.126	0.160	0.286	0.597	0.398	0.260	0.883	0.944
		0.178	25.00	25.00		0.819	18.00	16.00	Right Cheek	0.178	0.517	0.695	0.374	0.174	0.173	1.069	1.042
		0.094	25.00	25.00		0.514	18.00	16.00	Right Tilt	0.094	0.324	0.418	0.403	0.199	0.169	0.821	0.786
DC_7A+n78A	Ant.13	0.302	13.00	11.00	Ant.11	0.268	18.50	16.00	Left Cheek	0.191	0.151	0.341	0.879	0.533	0.278	1.220	1.152
		0.404	13.00	11.00		0.122	18.50	16.00	Left Tilt	0.255	0.069	0.324	0.597	0.398	0.260	0.921	0.982
		0.620	13.00	11.00		0.795	18.50	16.00	Right Cheek	0.391	0.447	0.838	0.374	0.174	0.173	1.212	1.185
		0.776	13.00	11.00		0.309	18.50	16.00	Right Tilt	0.490	0.174	0.663	0.403	0.199	0.169	1.066	1.031
DC_7A+n78A	Ant.13	0.302	13.00	11.00	Ant.12	0.201	18.00	16.00	Left Cheek	0.191	0.127	0.317	0.879	0.533	0.278	1.196	1.128
		0.404	13.00	11.00		0.254	18.00	16.00	Left Tilt	0.255	0.160	0.415	0.597	0.398	0.260	1.012	1.073
		0.620	13.00	11.00		0.819	18.00	16.00	Right Cheek	0.391	0.517	0.908	0.374	0.174	0.173	1.282	1.255
		0.776	13.00	11.00		0.514	18.00	16.00	Right Tilt	0.490	0.324	0.814	0.403	0.199	0.169	1.217	1.182
DC_7A+n78A	Ant.31	0.196	24.00	24.50	Ant.11	0.268	18.50	16.00	Left Cheek	0.220	0.151	0.371	0.879	0.533	0.278	1.250	1.182
		0.133	24.00	24.50		0.122	18.50	16.00	Left Tilt	0.149	0.069	0.218	0.597	0.398	0.260	0.815	0.876
		0.331	24.00	24.50		0.795	18.50	16.00	Right Cheek	0.371	0.447	0.818	0.374	0.174	0.173	1.192	1.165
		0.211	24.00	24.50		0.309	18.50	16.00	Right Tilt	0.237	0.174	0.411	0.403	0.199	0.169	0.814	0.779
DC_7A+n78A	Ant.31	0.196	24.00	24.50	Ant.12	0.201	18.00	16.00	Left Cheek	0.220	0.127	0.347	0.879	0.533	0.278	1.226	1.158
		0.133	24.00	24.50		0.254	18.00	16.00	Left Tilt	0.149	0.160	0.309	0.597	0.398	0.260	0.906	0.967
		0.331	24.00	24.50		0.819	18.00	16.00	Right Cheek	0.371	0.517	0.888	0.374	0.174	0.173	1.262	1.235
		0.211	24.00	24.50		0.514	18.00	16.00	Right Tilt	0.237	0.324	0.561	0.403	0.199	0.169	0.964	0.929
DC_66A+n78A	Ant.13	0.508	17.50	15.00	Ant.11	0.268	18.50	16.00	Left Cheek	0.286	0.151	0.436	0.879	0.533	0.278	1.315	1.247
		0.629	17.50	15.00		0.122	18.50	16.00	Left Tilt	0.354	0.069	0.422	0.597	0.398	0.260	1.019	1.080
		0.766	17.50	15.00		0.795	18.50	16.00	Right Cheek	0.431	0.447	0.878	0.374	0.174	0.173	1.252	1.225
		0.961	17.50	15.00		0.309	18.50	16.00	Right Tilt	0.540	0.174	0.714	0.403	0.199	0.169	1.117	1.082
DC_66A+n78A	Ant.13	0.508	17.50	15.00	Ant.12	0.201	18.00	16.00	Left Cheek	0.286	0.127	0.412	0.879	0.533	0.278	1.291	1.223
		0.629	17.50	15.00		0.254	18.00	16.00	Left Tilt	0.354	0.160	0.514	0.597	0.398	0.260	1.111	1.172
		0.766	17.50	15.00		0.819	18.00	16.00	Right Cheek	0.431	0.517	0.948	0.374	0.174	0.173	1.322	1.295
		0.961	17.50	15.00		0.514	18.00	16.00	Right Tilt	0.540	0.324	0.865	0.403	0.199	0.169	1.268	1.233

DC_66A+n78A	Ant.31	0.114	24.50	24.50	Ant.11	0.268	18.50	16.00	Left Cheek	0.114	0.151	0.265	0.879	0.533	0.278	1.144	1.076
		0.065	24.50	24.50		0.122	18.50	16.00	Left Tilt	0.065	0.069	0.134	0.597	0.398	0.260	0.731	0.792
		0.079	24.50	24.50		0.795	18.50	16.00	Right Cheek	0.079	0.447	0.526	0.374	0.174	0.173	0.900	0.873
		0.062	24.50	24.50		0.309	18.50	16.00	Right Tilt	0.062	0.174	0.236	0.403	0.199	0.169	0.639	0.604
DC_66A+n78A	Ant.31	0.114	24.50	24.50	Ant.12	0.201	18.00	16.00	Left Cheek	0.114	0.127	0.241	0.879	0.533	0.278	1.120	1.052
		0.065	24.50	24.50		0.254	18.00	16.00	Left Tilt	0.065	0.160	0.225	0.597	0.398	0.260	0.822	0.883
		0.079	24.50	24.50		0.819	18.00	16.00	Right Cheek	0.079	0.517	0.596	0.374	0.174	0.173	0.970	0.943
		0.062	24.50	24.50		0.514	18.00	16.00	Right Tilt	0.062	0.324	0.386	0.403	0.199	0.169	0.789	0.754
DC_38A+n78A	Ant.13	0.282	16.70	14.20	Ant.11	0.268	18.50	16.00	Left Cheek	0.159	0.151	0.309	0.879	0.533	0.278	1.188	1.120
		0.351	16.70	14.20		0.122	18.50	16.00	Left Tilt	0.197	0.069	0.266	0.597	0.398	0.260	0.863	0.924
		0.606	16.70	14.20		0.795	18.50	16.00	Right Cheek	0.341	0.447	0.788	0.374	0.174	0.173	1.162	1.135
		0.922	16.70	14.20		0.309	18.50	16.00	Right Tilt	0.518	0.174	0.692	0.403	0.199	0.169	1.095	1.060
DC_38A+n78A	Ant.13	0.282	16.70	14.20	Ant.12	0.201	18.00	16.00	Left Cheek	0.159	0.127	0.285	0.879	0.533	0.278	1.164	1.096
		0.351	16.70	14.20		0.254	18.00	16.00	Left Tilt	0.197	0.160	0.358	0.597	0.398	0.260	0.955	1.016
		0.606	16.70	14.20		0.819	18.00	16.00	Right Cheek	0.341	0.517	0.858	0.374	0.174	0.173	1.232	1.205
		0.922	16.70	14.20		0.514	18.00	16.00	Right Tilt	0.518	0.324	0.843	0.403	0.199	0.169	1.246	1.211
DC_38A+n78A	Ant.31	0.138	24.70	24.70	Ant.11	0.268	18.50	16.00	Left Cheek	0.138	0.151	0.289	0.879	0.533	0.278	1.168	1.100
		0.123	24.70	24.70		0.122	18.50	16.00	Left Tilt	0.123	0.069	0.192	0.597	0.398	0.260	0.789	0.850
		0.266	24.70	24.70		0.795	18.50	16.00	Right Cheek	0.266	0.447	0.713	0.374	0.174	0.173	1.087	1.060
		0.112	24.70	24.70		0.309	18.50	16.00	Right Tilt	0.112	0.174	0.286	0.403	0.199	0.169	0.689	0.654
DC_38A+n78A	Ant.31	0.138	24.70	24.70	Ant.12	0.201	18.00	16.00	Left Cheek	0.138	0.127	0.265	0.879	0.533	0.278	1.144	1.076
		0.123	24.70	24.70		0.254	18.00	16.00	Left Tilt	0.123	0.160	0.283	0.597	0.398	0.260	0.880	0.941
		0.266	24.70	24.70		0.819	18.00	16.00	Right Cheek	0.266	0.517	0.783	0.374	0.174	0.173	1.157	1.130
		0.112	24.70	24.70		0.514	18.00	16.00	Right Tilt	0.112	0.324	0.436	0.403	0.199	0.169	0.839	0.804
DC_41A+n78A	Ant.13	0.241	16.20	14.70	Ant.11	0.268	18.50	16.00	Left Cheek	0.171	0.151	0.321	0.879	0.533	0.278	1.200	1.132
		0.329	16.20	14.70		0.122	18.50	16.00	Left Tilt	0.233	0.069	0.302	0.597	0.398	0.260	0.899	0.960
		0.506	16.20	14.70		0.795	18.50	16.00	Right Cheek	0.358	0.447	0.805	0.374	0.174	0.173	1.179	1.152
		0.885	16.20	14.70		0.309	18.50	16.00	Right Tilt	0.627	0.174	0.800	0.403	0.199	0.169	1.203	1.168
DC_41A+n78A	Ant.13	0.241	16.20	14.70	Ant.12	0.201	18.00	16.00	Left Cheek	0.171	0.127	0.297	0.879	0.533	0.278	1.176	1.108
		0.329	16.20	14.70		0.254	18.00	16.00	Left Tilt	0.233	0.160	0.393	0.597	0.398	0.260	0.990	1.051
		0.506	16.20	14.70		0.819	18.00	16.00	Right Cheek	0.358	0.517	0.875	0.374	0.174	0.173	1.249	1.222
		0.885	16.20	14.70		0.514	18.00	16.00	Right Tilt	0.627	0.324	0.951	0.403	0.199	0.169	1.354	1.319
DC_41A+n78A	Ant.31	0.129	24.70	24.70	Ant.11	0.268	18.50	16.00	Left Cheek	0.129	0.151	0.280	0.879	0.533	0.278	1.159	1.091
		0.104	24.70	24.70		0.122	18.50	16.00	Left Tilt	0.104	0.069	0.173	0.597	0.398	0.260	0.770	0.831
		0.247	24.70	24.70		0.795	18.50	16.00	Right Cheek	0.247	0.447	0.694	0.374	0.174	0.173	1.068	1.041
		0.123	24.70	24.70		0.309	18.50	16.00	Right Tilt	0.123	0.174	0.297	0.403	0.199	0.169	0.700	0.665
DC_41A+n78A	Ant.31	0.129	24.70	24.70	Ant.12	0.201	18.00	16.00	Left Cheek	0.129	0.127	0.256	0.879	0.533	0.278	1.135	1.067
		0.104	24.70	24.70		0.254	18.00	16.00	Left Tilt	0.104	0.160	0.264	0.597	0.398	0.260	0.861	0.922
		0.247	24.70	24.70		0.819	18.00	16.00	Right Cheek	0.247	0.517	0.764	0.374	0.174	0.173	1.138	1.111
		0.123	24.70	24.70		0.514	18.00	16.00	Right Tilt	0.123	0.324	0.447	0.403	0.199	0.169	0.850	0.815

Note:

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

2: The highest Summed 1g SAR is 1.391 W/Kg &lt; 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

## 13.2.12 Body-Worn Simultaneous Transmission SAR Evaluation for ENDC and WLAN and BT

Band	LTE Antenna	4G		ENDC	NR Antenna	SA		ENDC	Position	Stand alone SAR						SUM SAR	
		LTE SAR	LTE Max Power	LTE		NR SAR	NR Max Power	NR Max		LTE SAR	NR SAR	1	2	3	4	1+2	1+3+4
				Max Power				Power				ENDC (LTE+NR)	2.4GWIFI	5GWIFI Max.	Bluetooth		
				DSI9/10				DSI9/10				Level4	Level4				
DC_4A+n2A	Ant.11	0.072	21.50	19.00	Ant.13	0.105	20.50	18.00	Front Side 15mm	0.040	0.059	0.100	0.098	0.123	0.029	0.198	0.252
		0.074	21.50	19.00		0.078	20.50	18.00	Back Side 15mm	0.042	0.044	0.085	0.094	0.209	0.025	0.179	0.319
DC_4A+n2A	Ant.11	0.072	21.50	19.00	Ant.31	0.148	21.50	20.50	Front Side 15mm	0.040	0.118	0.158	0.098	0.123	0.029	0.256	0.310
		0.074	21.50	19.00		0.264	21.50	20.50	Back Side 15mm	0.042	0.210	0.251	0.094	0.209	0.025	0.345	0.485
DC_7A+n2A	Ant.11	0.044	18.00	15.50	Ant.13	0.105	20.50	18.00	Front Side 15mm	0.025	0.059	0.084	0.098	0.123	0.029	0.182	0.236
		0.062	18.00	15.50		0.078	20.50	18.00	Back Side 15mm	0.035	0.044	0.079	0.094	0.209	0.025	0.173	0.313
DC_7A+n2A	Ant.11	0.044	18.00	15.50	Ant.31	0.148	21.50	20.50	Front Side 15mm	0.025	0.118	0.142	0.098	0.123	0.029	0.240	0.294
		0.062	18.00	15.50		0.264	21.50	20.50	Back Side 15mm	0.035	0.210	0.245	0.094	0.209	0.025	0.339	0.479
DC_66A+n2A	Ant.11	0.074	22.50	20.00	Ant.13	0.105	20.50	18.00	Front Side 15mm	0.042	0.059	0.101	0.098	0.123	0.029	0.199	0.253
		0.094	22.50	20.00		0.078	20.50	18.00	Back Side 15mm	0.053	0.044	0.097	0.094	0.209	0.025	0.191	0.331
DC_66A+n2A	Ant.11	0.074	22.50	20.00	Ant.31	0.148	21.50	20.50	Front Side 15mm	0.042	0.118	0.159	0.098	0.123	0.029	0.257	0.311
		0.094	22.50	20.00		0.264	21.50	20.50	Back Side 15mm	0.053	0.210	0.263	0.094	0.209	0.025	0.357	0.497
DC_7A+n5A	Ant.11	0.044	18.00	15.50	Ant.13	0.148	25.00	24.00	Front Side 15mm	0.025	0.118	0.142	0.098	0.123	0.029	0.240	0.294
		0.062	18.00	15.50		0.166	25.00	24.00	Back Side 15mm	0.035	0.132	0.167	0.094	0.209	0.025	0.261	0.401
DC_7A+n5A	Ant.31	0.151	22.00	22.00	Ant.13	0.148	25.00	24.00	Front Side 15mm	0.151	0.118	0.269	0.098	0.123	0.029	0.367	0.421
		0.212	22.00	22.00		0.166	25.00	24.00	Back Side 15mm	0.212	0.132	0.344	0.094	0.209	0.025	0.438	0.578
DC_2A+n7A	Ant.13	0.119	20.50	18.00	Ant.11	0.050	18.50	16.00	Front Side 15mm	0.067	0.028	0.095	0.098	0.123	0.029	0.193	0.247
		0.089	20.50	18.00		0.068	18.50	16.00	Back Side 15mm	0.050	0.038	0.088	0.094	0.209	0.025	0.182	0.322
DC_2A+n7A	Ant.31	0.115	20.50	20.50	Ant.11	0.050	18.50	16.00	Front Side 15mm	0.115	0.028	0.143	0.098	0.123	0.029	0.241	0.295
		0.208	20.50	20.50		0.068	18.50	16.00	Back Side 15mm	0.208	0.038	0.246	0.094	0.209	0.025	0.340	0.480
DC_4A+n7A	Ant.13	0.173	21.00	18.50	Ant.11	0.050	18.50	16.00	Front Side 15mm	0.097	0.028	0.125	0.098	0.123	0.029	0.223	0.277
		0.114	21.00	18.50		0.068	18.50	16.00	Back Side 15mm	0.064	0.038	0.102	0.094	0.209	0.025	0.196	0.336
DC_4A+n7A	Ant.31	0.103	20.50	20.50	Ant.11	0.050	18.50	16.00	Front Side 15mm	0.103	0.028	0.131	0.098	0.123	0.029	0.229	0.283
		0.163	20.50	20.50		0.068	18.50	16.00	Back Side 15mm	0.163	0.038	0.201	0.094	0.209	0.025	0.295	0.435
DC_5A+n7A	Ant.13	0.128	25.00	24.00	Ant.11	0.050	18.50	16.00	Front Side 15mm	0.102	0.028	0.130	0.098	0.123	0.029	0.228	0.282
		0.143	25.00	24.00		0.068	18.50	16.00	Back Side 15mm	0.114	0.038	0.152	0.094	0.209	0.025	0.246	0.386
DC_5A+n7A	Ant.31	0.153	25.00	25.00	Ant.11	0.050	18.50	16.00	Front Side 15mm	0.153	0.028	0.181	0.098	0.123	0.029	0.279	0.333
		0.176	25.00	25.00		0.068	18.50	16.00	Back Side 15mm	0.176	0.038	0.214	0.094	0.209	0.025	0.308	0.448
DC_66A+n7A	Ant.13	0.204	21.00	18.50	Ant.11	0.050	18.50	16.00	Front Side 15mm	0.115	0.028	0.143	0.098	0.123	0.029	0.241	0.295
		0.133	21.00	18.50		0.068	18.50	16.00	Back Side 15mm	0.075	0.038	0.113	0.094	0.209	0.025	0.207	0.347
DC_66A+n7A	Ant.31	0.113	20.50	20.50	Ant.11	0.050	18.50	16.00	Front Side 15mm	0.113	0.028	0.141	0.098	0.123	0.029	0.239	0.293
		0.182	20.50	20.50		0.068	18.50	16.00	Back Side 15mm	0.182	0.038	0.220	0.094	0.209	0.025	0.314	0.454
DC_2A+n66A	Ant.13	0.119	20.50	18.00	Ant.11	0.071	22.50	20.00	Front Side 15mm	0.067	0.040	0.107	0.098	0.123	0.029	0.205	0.259
		0.089	20.50	18.00		0.092	22.50	20.00	Back Side 15mm	0.050	0.052	0.102	0.094	0.209	0.025	0.196	0.336
DC_2A+n66A	Ant.31	0.115	20.50	20.50	Ant.11	0.071	22.50	20.00	Front Side 15mm	0.115	0.040	0.155	0.098	0.123	0.029	0.253	0.307

		0.208	20.50	20.50		0.092	22.50	20.00	Back Side 15mm	0.208	0.052	0.260	0.094	0.209	0.025	0.354	0.494
DC_5A+n66A	Ant.13	0.128	25.00	24.00	Ant.11	0.071	22.50	20.00	Front Side 15mm	0.102	0.040	0.142	0.098	0.123	0.029	0.240	0.294
		0.143	25.00	24.00		0.092	22.50	20.00	Back Side 15mm	0.114	0.052	0.165	0.094	0.209	0.025	0.259	0.399
DC_5A+n66A	Ant.31	0.153	25.00	25.00	Ant.11	0.071	22.50	20.00	Front Side 15mm	0.153	0.040	0.193	0.098	0.123	0.029	0.291	0.345
		0.176	25.00	25.00		0.092	22.50	20.00	Back Side 15mm	0.176	0.052	0.228	0.094	0.209	0.025	0.322	0.462
DC_7A+n66A	Ant.13	0.086	14.50	12.00	Ant.11	0.071	22.50	20.00	Front Side 15mm	0.048	0.040	0.088	0.098	0.123	0.029	0.186	0.240
		0.129	14.50	12.00		0.092	22.50	20.00	Back Side 15mm	0.073	0.052	0.124	0.094	0.209	0.025	0.218	0.358
DC_7A+n66A	Ant.31	0.151	22.00	22.00	Ant.11	0.071	22.50	20.00	Front Side 15mm	0.151	0.040	0.191	0.098	0.123	0.029	0.289	0.343
		0.212	22.00	22.00		0.092	22.50	20.00	Back Side 15mm	0.212	0.052	0.264	0.094	0.209	0.025	0.358	0.498
DC_4A+n38A	Ant.13	0.173	21.00	18.50	Ant.11	0.067	17.00	14.50	Front Side 15mm	0.097	0.038	0.135	0.098	0.123	0.029	0.233	0.287
		0.114	21.00	18.50		0.101	17.00	14.50	Back Side 15mm	0.064	0.057	0.121	0.094	0.209	0.025	0.215	0.355
DC_4A+n38A	Ant.31	0.103	20.50	20.50	Ant.11	0.067	17.00	14.50	Front Side 15mm	0.103	0.038	0.141	0.098	0.123	0.029	0.239	0.293
		0.163	20.50	20.50		0.101	17.00	14.50	Back Side 15mm	0.163	0.057	0.220	0.094	0.209	0.025	0.314	0.454
DC_66A+n38A	Ant.13	0.204	21.00	18.50	Ant.11	0.067	17.00	14.50	Front Side 15mm	0.115	0.038	0.152	0.098	0.123	0.029	0.250	0.304
		0.133	21.00	18.50		0.101	17.00	14.50	Back Side 15mm	0.075	0.057	0.132	0.094	0.209	0.025	0.226	0.366
DC_66A+n38A	Ant.31	0.113	20.50	20.50	Ant.11	0.067	17.00	14.50	Front Side 15mm	0.113	0.038	0.151	0.098	0.123	0.029	0.249	0.303
		0.182	20.50	20.50		0.101	17.00	14.50	Back Side 15mm	0.182	0.057	0.239	0.094	0.209	0.025	0.333	0.473
DC_4A+n41A	Ant.13	0.173	21.00	18.50	Ant.11	0.086	17.50	15.00	Front Side 15mm	0.097	0.048	0.146	0.098	0.123	0.029	0.244	0.298
		0.114	21.00	18.50		0.124	17.50	15.00	Back Side 15mm	0.064	0.070	0.134	0.094	0.209	0.025	0.228	0.368
DC_4A+n41A	Ant.31	0.103	20.50	20.50	Ant.11	0.086	17.50	15.00	Front Side 15mm	0.103	0.048	0.151	0.098	0.123	0.029	0.249	0.303
		0.163	20.50	20.50		0.124	17.50	15.00	Back Side 15mm	0.163	0.070	0.233	0.094	0.209	0.025	0.327	0.467
DC_66A+n41A	Ant.13	0.204	21.00	18.50	Ant.11	0.086	17.50	15.00	Front Side 15mm	0.115	0.048	0.163	0.098	0.123	0.029	0.261	0.315
		0.133	21.00	18.50		0.124	17.50	15.00	Back Side 15mm	0.075	0.070	0.145	0.094	0.209	0.025	0.239	0.379
DC_66A+n41A	Ant.31	0.113	20.50	20.50	Ant.11	0.086	17.50	15.00	Front Side 15mm	0.113	0.048	0.161	0.098	0.123	0.029	0.259	0.313
		0.182	20.50	20.50		0.124	17.50	15.00	Back Side 15mm	0.182	0.070	0.252	0.094	0.209	0.025	0.346	0.486
DC_7A+n77A	Ant.13	0.086	14.50	12.00	Ant.11	0.144	20.00	19.00	Front Side 15mm	0.048	0.114	0.163	0.098	0.123	0.029	0.261	0.315
		0.129	14.50	12.00		0.252	20.00	19.00	Back Side 15mm	0.073	0.200	0.273	0.094	0.209	0.025	0.367	0.507
DC_7A+n77A	Ant.13	0.086	14.50	12.00	Ant.12	0.214	22.50	20.00	Front Side 15mm	0.048	0.120	0.169	0.098	0.123	0.029	0.267	0.321
		0.129	14.50	12.00		0.228	22.50	20.00	Back Side 15mm	0.073	0.128	0.201	0.094	0.209	0.025	0.295	0.435
DC_7A+n77A	Ant.31	0.151	22.00	22.00	Ant.11	0.144	20.00	19.00	Front Side 15mm	0.151	0.114	0.265	0.098	0.123	0.029	0.363	0.417
		0.212	22.00	22.00		0.252	20.00	19.00	Back Side 15mm	0.212	0.200	0.412	0.094	0.209	0.025	0.506	0.646
DC_7A+n77A	Ant.31	0.151	22.00	22.00	Ant.12	0.214	22.50	20.00	Front Side 15mm	0.151	0.120	0.271	0.098	0.123	0.029	0.369	0.423
		0.212	22.00	22.00		0.228	22.50	20.00	Back Side 15mm	0.212	0.128	0.340	0.094	0.209	0.025	0.434	0.574
DC_2A+n78A	Ant.13	0.119	20.50	18.00	Ant.11	0.144	20.00	18.00	Front Side 15mm	0.067	0.091	0.158	0.098	0.123	0.029	0.256	0.310
		0.089	20.50	18.00		0.274	20.00	18.00	Back Side 15mm	0.050	0.173	0.223	0.094	0.209	0.025	0.317	0.457
DC_2A+n78A	Ant.13	0.119	20.50	18.00	Ant.12	0.222	23.00	20.00	Front Side 15mm	0.067	0.111	0.178	0.098	0.123	0.029	0.276	0.330
		0.089	20.50	18.00		0.235	23.00	20.00	Back Side 15mm	0.050	0.118	0.168	0.094	0.209	0.025	0.262	0.402
DC_2A+n78A	Ant.31	0.115	20.50	20.50	Ant.11	0.144	20.00	18.00	Front Side 15mm	0.115	0.091	0.206	0.098	0.123	0.029	0.304	0.358
		0.208	20.50	20.50		0.274	20.00	18.00	Back Side 15mm	0.208	0.173	0.381	0.094	0.209	0.025	0.475	0.615
DC_2A+n78A	Ant.31	0.115	20.50	20.50	Ant.12	0.222	23.00	20.00	Front Side 15mm	0.115	0.111	0.226	0.098	0.123	0.029	0.324	0.378
		0.208	20.50	20.50		0.235	23.00	20.00	Back Side 15mm	0.208	0.118	0.326	0.094	0.209	0.025	0.420	0.560
DC_4A+n78A	Ant.13	0.173	21.00	18.50	Ant.11	0.144	20.00	18.00	Front Side 15mm	0.097	0.091	0.188	0.098	0.123	0.029	0.286	0.340
		0.114	21.00	18.50		0.274	20.00	18.00	Back Side 15mm	0.064	0.173	0.237	0.094	0.209	0.025	0.331	0.471

DC_4A+n78A	Ant.13	0.173	21.00	18.50	Ant.12	0.222	23.00	20.00	Front Side 15mm	0.097	0.111	0.209	0.098	0.123	0.029	0.307	0.361
		0.114	21.00	18.50		0.235	23.00	20.00	Back Side 15mm	0.064	0.118	0.182	0.094	0.209	0.025	0.276	0.416
DC_4A+n78A	Ant.31	0.103	20.50	20.50	Ant.11	0.144	20.00	18.00	Front Side 15mm	0.103	0.091	0.194	0.098	0.123	0.029	0.292	0.346
		0.163	20.50	20.50		0.274	20.00	18.00	Back Side 15mm	0.163	0.173	0.336	0.094	0.209	0.025	0.430	0.570
DC_4A+n78A	Ant.31	0.103	20.50	20.50	Ant.12	0.222	23.00	20.00	Front Side 15mm	0.103	0.111	0.214	0.098	0.123	0.029	0.312	0.366
		0.163	20.50	20.50		0.235	23.00	20.00	Back Side 15mm	0.163	0.118	0.281	0.094	0.209	0.025	0.375	0.515
DC_5A+n78A	Ant.13	0.128	25.00	24.00	Ant.11	0.144	20.00	18.00	Front Side 15mm	0.102	0.091	0.193	0.098	0.123	0.029	0.291	0.345
		0.143	25.00	24.00		0.274	20.00	18.00	Back Side 15mm	0.114	0.173	0.286	0.094	0.209	0.025	0.380	0.520
DC_5A+n78A	Ant.13	0.128	25.00	24.00	Ant.12	0.222	23.00	20.00	Front Side 15mm	0.102	0.111	0.213	0.098	0.123	0.029	0.311	0.365
		0.143	25.00	24.00		0.235	23.00	20.00	Back Side 15mm	0.114	0.118	0.231	0.094	0.209	0.025	0.325	0.465
DC_5A+n78A	Ant.31	0.153	25.00	25.00	Ant.11	0.144	20.00	18.00	Front Side 15mm	0.153	0.091	0.244	0.098	0.123	0.029	0.342	0.396
		0.176	25.00	25.00		0.274	20.00	18.00	Back Side 15mm	0.176	0.173	0.349	0.094	0.209	0.025	0.443	0.583
DC_5A+n78A	Ant.31	0.153	25.00	25.00	Ant.12	0.222	23.00	20.00	Front Side 15mm	0.153	0.111	0.264	0.098	0.123	0.029	0.362	0.416
		0.176	25.00	25.00		0.235	23.00	20.00	Back Side 15mm	0.176	0.118	0.294	0.094	0.209	0.025	0.388	0.528
DC_7A+n78A	Ant.13	0.086	14.50	12.50	Ant.11	0.144	20.00	18.00	Front Side 15mm	0.054	0.091	0.145	0.098	0.123	0.029	0.243	0.297
		0.129	14.50	12.50		0.274	20.00	18.00	Back Side 15mm	0.081	0.173	0.254	0.094	0.209	0.025	0.348	0.488
DC_7A+n78A	Ant.13	0.086	14.50	12.50	Ant.12	0.222	23.00	20.00	Front Side 15mm	0.054	0.111	0.166	0.098	0.123	0.029	0.264	0.318
		0.129	14.50	12.50		0.235	23.00	20.00	Back Side 15mm	0.081	0.118	0.199	0.094	0.209	0.025	0.293	0.433
DC_7A+n78A	Ant.31	0.151	22.00	22.50	Ant.11	0.144	20.00	18.00	Front Side 15mm	0.169	0.091	0.260	0.098	0.123	0.029	0.358	0.412
		0.212	22.00	22.50		0.274	20.00	18.00	Back Side 15mm	0.238	0.173	0.411	0.094	0.209	0.025	0.505	0.645
DC_7A+n78A	Ant.31	0.151	22.00	22.50	Ant.12	0.222	23.00	20.00	Front Side 15mm	0.169	0.111	0.281	0.098	0.123	0.029	0.379	0.433
		0.212	22.00	22.50		0.235	23.00	20.00	Back Side 15mm	0.238	0.118	0.356	0.094	0.209	0.025	0.450	0.590
DC_66A+n78A	Ant.13	0.204	21.00	18.50	Ant.11	0.144	20.00	18.00	Front Side 15mm	0.115	0.091	0.206	0.098	0.123	0.029	0.304	0.358
		0.133	21.00	18.50		0.274	20.00	18.00	Back Side 15mm	0.075	0.173	0.248	0.094	0.209	0.025	0.342	0.482
DC_66A+n78A	Ant.13	0.204	21.00	18.50	Ant.12	0.222	23.00	20.00	Front Side 15mm	0.115	0.111	0.226	0.098	0.123	0.029	0.324	0.378
		0.133	21.00	18.50		0.235	23.00	20.00	Back Side 15mm	0.075	0.118	0.193	0.094	0.209	0.025	0.287	0.427
DC_66A+n78A	Ant.31	0.113	20.50	20.50	Ant.11	0.144	20.00	18.00	Front Side 15mm	0.113	0.091	0.204	0.098	0.123	0.029	0.302	0.356
		0.182	20.50	20.50		0.274	20.00	18.00	Back Side 15mm	0.182	0.173	0.355	0.094	0.209	0.025	0.449	0.589
DC_66A+n78A	Ant.31	0.113	20.50	20.50	Ant.12	0.222	23.00	20.00	Front Side 15mm	0.113	0.111	0.224	0.098	0.123	0.029	0.322	0.376
		0.182	20.50	20.50		0.235	23.00	20.00	Back Side 15mm	0.182	0.118	0.300	0.094	0.209	0.025	0.394	0.534
DC_38A+n78A	Ant.13	0.189	18.20	17.20	Ant.11	0.144	20.00	18.00	Front Side 15mm	0.150	0.091	0.241	0.098	0.123	0.029	0.339	0.393
		0.279	18.20	17.20		0.274	20.00	18.00	Back Side 15mm	0.222	0.173	0.394	0.094	0.209	0.025	0.488	0.628
DC_38A+n78A	Ant.13	0.189	18.20	17.20	Ant.12	0.222	23.00	20.00	Front Side 15mm	0.150	0.111	0.261	0.098	0.123	0.029	0.359	0.413
		0.279	18.20	17.20		0.235	23.00	20.00	Back Side 15mm	0.222	0.118	0.339	0.094	0.209	0.025	0.433	0.573
DC_38A+n78A	Ant.31	0.159	24.70	24.70	Ant.11	0.144	20.00	18.00	Front Side 15mm	0.159	0.091	0.250	0.098	0.123	0.029	0.348	0.402
		0.238	24.70	24.70		0.274	20.00	18.00	Back Side 15mm	0.238	0.173	0.411	0.094	0.209	0.025	0.505	0.645
DC_38A+n78A	Ant.31	0.159	24.70	24.70	Ant.12	0.222	23.00	20.00	Front Side 15mm	0.159	0.111	0.270	0.098	0.123	0.029	0.368	0.422
		0.238	24.70	24.70		0.235	23.00	20.00	Back Side 15mm	0.238	0.118	0.356	0.094	0.209	0.025	0.450	0.590
DC_41A+n78A	Ant.13	0.045	17.70	16.20	Ant.11	0.144	20.00	18.00	Front Side 15mm	0.032	0.091	0.123	0.098	0.123	0.029	0.221	0.275
		0.066	17.70	16.20		0.274	20.00	18.00	Back Side 15mm	0.047	0.173	0.220	0.094	0.209	0.025	0.314	0.454
DC_41A+n78A	Ant.13	0.045	17.70	16.20	Ant.12	0.222	23.00	20.00	Front Side 15mm	0.032	0.111	0.143	0.098	0.123	0.029	0.241	0.295
		0.066	17.70	16.20		0.235	23.00	20.00	Back Side 15mm	0.047	0.118	0.165	0.094	0.209	0.025	0.259	0.399
DC_41A+n78A	Ant.31	0.153	24.70	24.70	Ant.11	0.144	20.00	18.00	Front Side 15mm	0.153	0.091	0.244	0.098	0.123	0.029	0.342	0.396

		0.213	24.70	24.70		0.274	20.00	18.00	Back Side 15mm	0.213	0.173	0.386	0.094	0.209	0.025	0.480	0.620
DC_41A+n78A	Ant.31	0.153	24.70	24.70	Ant.12	0.222	23.00	20.00	Front Side 15mm	0.153	0.111	0.264	0.098	0.123	0.029	0.362	0.416
		0.213	24.70	24.70		0.235	23.00	20.00	Back Side 15mm	0.213	0.118	0.331	0.094	0.209	0.025	0.425	0.565

Note:

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

2: The highest Summed 1g SAR is 0.646 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.



## 13.2.13 Hotspot Simultaneous Transmission SAR Evaluation for ENDC and WLAN and BT

Band	LTE Antenna	4G		ENDC	NR Antenna	SA		ENDC	Position	Stand alone SAR						SUM SAR	
		LTE SAR	LTE Max Power	LTE		NR SAR	NR Max Power	NR		LTE SAR	NR SAR	1	2	3	4	1+2	1+3+4
				Max Power				Max Power				ENDC (LTE+NR)	2.4GWIFI	5GWIFI Max.	Bluetooth		
				DSI10				DSI10				Level4	Level4				
DC_4A+n2A	Ant.11	0.140	21.50	19.00	Ant.13	0.219	20.50	18.00	Front Side 10mm	0.079	0.123	0.202	0.182	0.092	0.044	0.384	0.338
		0.186	21.50	19.00		0.164	20.50	18.00	Back Side 10mm	0.105	0.092	0.197	0.177	0.176	0.044	0.374	0.417
		0.000	21.50	19.00		0.000	20.50	18.00	Left Edge 10mm	0.000	0.000	0.000	0.154	0.123	0.038	0.154	0.161
		0.338	21.50	19.00		0.054	20.50	18.00	Right Edge 10mm	0.190	0.030	0.220	0.000	0.000	0.000	0.220	0.220
		0.058	21.50	19.00		0.422	20.50	18.00	Top Edge 10mm	0.033	0.237	0.270	0.261	0.231	0.064	0.531	0.565
		0.000	21.50	19.00		0.000	20.50	18.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_4A+n2A	Ant.11	0.140	21.50	19.00	Ant.31	0.283	21.50	20.50	Front Side 10mm	0.079	0.225	0.304	0.182	0.092	0.044	0.486	0.440
		0.186	21.50	19.00		0.564	21.50	20.50	Back Side 10mm	0.105	0.448	0.553	0.177	0.176	0.044	0.730	0.773
		0.000	21.50	19.00		0.186	21.50	20.50	Left Edge 10mm	0.000	0.148	0.148	0.154	0.123	0.038	0.302	0.309
		0.338	21.50	19.00		0.007	21.50	20.50	Right Edge 10mm	0.190	0.006	0.196	0.000	0.000	0.000	0.196	0.196
		0.058	21.50	19.00		0.000	21.50	20.50	Top Edge 10mm	0.033	0.000	0.033	0.261	0.231	0.064	0.294	0.328
		0.000	21.50	19.00		0.777	21.50	20.50	Bottom Edge 10mm	0.000	0.617	0.617	0.000	0.000	0.000	0.617	0.617
DC_7A+n2A	Ant.11	0.089	18.00	15.50	Ant.13	0.219	20.50	18.00	Front Side 10mm	0.050	0.123	0.173	0.182	0.092	0.044	0.355	0.309
		0.131	18.00	15.50		0.164	20.50	18.00	Back Side 10mm	0.074	0.092	0.166	0.177	0.176	0.044	0.343	0.386
		0.000	18.00	15.50		0.000	20.50	18.00	Left Edge 10mm	0.000	0.000	0.000	0.154	0.123	0.038	0.154	0.161
		0.332	18.00	15.50		0.054	20.50	18.00	Right Edge 10mm	0.187	0.030	0.217	0.000	0.000	0.000	0.217	0.217
		0.047	18.00	15.50		0.422	20.50	18.00	Top Edge 10mm	0.026	0.237	0.264	0.261	0.231	0.064	0.525	0.559
		0.000	18.00	15.50		0.000	20.50	18.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_7A+n2A	Ant.11	0.089	18.00	15.50	Ant.31	0.283	21.50	20.50	Front Side 10mm	0.050	0.225	0.275	0.182	0.092	0.044	0.457	0.411
		0.131	18.00	15.50		0.564	21.50	20.50	Back Side 10mm	0.074	0.448	0.522	0.177	0.176	0.044	0.699	0.742
		0.000	18.00	15.50		0.186	21.50	20.50	Left Edge 10mm	0.000	0.148	0.148	0.154	0.123	0.038	0.302	0.309
		0.332	18.00	15.50		0.007	21.50	20.50	Right Edge 10mm	0.187	0.006	0.192	0.000	0.000	0.000	0.192	0.192
		0.047	18.00	15.50		0.000	21.50	20.50	Top Edge 10mm	0.026	0.000	0.026	0.261	0.231	0.064	0.287	0.321
		0.000	18.00	15.50		0.777	21.50	20.50	Bottom Edge 10mm	0.000	0.617	0.617	0.000	0.000	0.000	0.617	0.617
DC_66A+n2A	Ant.11	0.166	22.50	20.00	Ant.13	0.219	20.50	18.00	Front Side 10mm	0.093	0.123	0.217	0.182	0.092	0.044	0.399	0.353
		0.232	22.50	20.00		0.164	20.50	18.00	Back Side 10mm	0.130	0.092	0.223	0.177	0.176	0.044	0.400	0.443
		0.000	22.50	20.00		0.000	20.50	18.00	Left Edge 10mm	0.000	0.000	0.000	0.154	0.123	0.038	0.154	0.161
		0.409	22.50	20.00		0.054	20.50	18.00	Right Edge 10mm	0.230	0.030	0.260	0.000	0.000	0.000	0.260	0.260
		0.043	22.50	20.00		0.422	20.50	18.00	Top Edge 10mm	0.024	0.237	0.261	0.261	0.231	0.064	0.522	0.556
		0.000	22.50	20.00		0.000	20.50	18.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_66A+n2A	Ant.11	0.166	22.50	20.00	Ant.31	0.283	21.50	20.50	Front Side 10mm	0.093	0.225	0.318	0.182	0.092	0.044	0.500	0.454
		0.232	22.50	20.00		0.564	21.50	20.50	Back Side 10mm	0.130	0.448	0.578	0.177	0.176	0.044	0.755	0.798
		0.000	22.50	20.00		0.186	21.50	20.50	Left Edge 10mm	0.000	0.148	0.148	0.154	0.123	0.038	0.302	0.309
		0.409	22.50	20.00		0.007	21.50	20.50	Right Edge 10mm	0.230	0.006	0.236	0.000	0.000	0.000	0.236	0.236
		0.043	22.50	20.00		0.000	21.50	20.50	Top Edge 10mm	0.024	0.000	0.024	0.261	0.231	0.064	0.285	0.319
		0.000	22.50	20.00		0.777	21.50	20.50	Bottom Edge 10mm	0.000	0.617	0.617	0.000	0.000	0.000	0.617	0.617

DC_7A+n5A	Ant.11	0.089	18.00	15.50	Ant.13	0.184	25.00	24.00	Front Side 10mm	0.050	0.146	0.196	0.182	0.092	0.044	0.378	0.332
		0.131	18.00	15.50		0.158	25.00	24.00	Back Side 10mm	0.074	0.126	0.199	0.177	0.176	0.044	0.376	0.419
		0.000	18.00	15.50		0.000	25.00	24.00	Left Edge 10mm	0.000	0.000	0.000	0.154	0.123	0.038	0.154	0.161
		0.332	18.00	15.50		0.083	25.00	24.00	Right Edge 10mm	0.187	0.066	0.253	0.000	0.000	0.000	0.253	0.253
		0.047	18.00	15.50		0.230	25.00	24.00	Top Edge 10mm	0.026	0.183	0.209	0.261	0.231	0.064	0.470	0.504
		0.000	18.00	15.50		0.000	25.00	24.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_7A+n5A	Ant.31	0.394	22.00	22.00	Ant.13	0.184	25.00	24.00	Front Side 10mm	0.394	0.146	0.540	0.182	0.092	0.044	0.722	0.676
		0.536	22.00	22.00		0.158	25.00	24.00	Back Side 10mm	0.536	0.126	0.662	0.177	0.176	0.044	0.839	0.882
		0.215	22.00	22.00		0.000	25.00	24.00	Left Edge 10mm	0.215	0.000	0.215	0.154	0.123	0.038	0.369	0.376
		0.052	22.00	22.00		0.083	25.00	24.00	Right Edge 10mm	0.052	0.066	0.118	0.000	0.000	0.000	0.118	0.118
		0.000	22.00	22.00		0.230	25.00	24.00	Top Edge 10mm	0.000	0.183	0.183	0.261	0.231	0.064	0.444	0.478
		0.243	22.00	22.00		0.000	25.00	24.00	Bottom Edge 10mm	0.243	0.000	0.243	0.000	0.000	0.000	0.243	0.243
DC_2A+n7A	Ant.13	0.260	20.50	18.00	Ant.11	0.127	18.50	16.00	Front Side 10mm	0.146	0.071	0.218	0.182	0.092	0.044	0.400	0.354
		0.194	20.50	18.00		0.171	18.50	16.00	Back Side 10mm	0.109	0.096	0.205	0.177	0.176	0.044	0.382	0.425
		0.087	20.50	18.00		0.000	18.50	16.00	Left Edge 10mm	0.049	0.000	0.049	0.154	0.123	0.038	0.203	0.210
		0.000	20.50	18.00		0.474	18.50	16.00	Right Edge 10mm	0.000	0.267	0.267	0.000	0.000	0.000	0.267	0.267
		0.533	20.50	18.00		0.086	18.50	16.00	Top Edge 10mm	0.300	0.048	0.348	0.261	0.231	0.064	0.609	0.643
		0.000	20.50	18.00		0.000	18.50	16.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_2A+n7A	Ant.31	0.224	20.50	20.50	Ant.11	0.127	18.50	16.00	Front Side 10mm	0.224	0.071	0.295	0.182	0.092	0.044	0.477	0.431
		0.408	20.50	20.50		0.171	18.50	16.00	Back Side 10mm	0.408	0.096	0.504	0.177	0.176	0.044	0.681	0.724
		0.129	20.50	20.50		0.000	18.50	16.00	Left Edge 10mm	0.129	0.000	0.129	0.154	0.123	0.038	0.283	0.290
		0.037	20.50	20.50		0.474	18.50	16.00	Right Edge 10mm	0.037	0.267	0.304	0.000	0.000	0.000	0.304	0.304
		0.000	20.50	20.50		0.086	18.50	16.00	Top Edge 10mm	0.000	0.048	0.048	0.261	0.231	0.064	0.309	0.343
		0.784	20.50	20.50		0.000	18.50	16.00	Bottom Edge 10mm	0.784	0.000	0.784	0.000	0.000	0.000	0.784	0.784
DC_4A+n7A	Ant.13	0.303	21.00	18.50	Ant.11	0.127	18.50	16.00	Front Side 10mm	0.170	0.071	0.242	0.182	0.092	0.044	0.424	0.378
		0.226	21.00	18.50		0.171	18.50	16.00	Back Side 10mm	0.127	0.096	0.223	0.177	0.176	0.044	0.400	0.443
		0.000	21.00	18.50		0.000	18.50	16.00	Left Edge 10mm	0.000	0.000	0.000	0.154	0.123	0.038	0.154	0.161
		0.064	21.00	18.50		0.474	18.50	16.00	Right Edge 10mm	0.036	0.267	0.303	0.000	0.000	0.000	0.303	0.303
		0.526	21.00	18.50		0.086	18.50	16.00	Top Edge 10mm	0.296	0.048	0.344	0.261	0.231	0.064	0.605	0.639
		0.000	21.00	18.50		0.000	18.50	16.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_4A+n7A	Ant.31	0.195	20.50	20.50	Ant.11	0.127	18.50	16.00	Front Side 10mm	0.195	0.071	0.266	0.182	0.092	0.044	0.448	0.402
		0.346	20.50	20.50		0.171	18.50	16.00	Back Side 10mm	0.346	0.096	0.442	0.177	0.176	0.044	0.619	0.662
		0.073	20.50	20.50		0.000	18.50	16.00	Left Edge 10mm	0.073	0.000	0.073	0.154	0.123	0.038	0.227	0.234
		0.042	20.50	20.50		0.474	18.50	16.00	Right Edge 10mm	0.042	0.267	0.309	0.000	0.000	0.000	0.309	0.309
		0.000	20.50	20.50		0.086	18.50	16.00	Top Edge 10mm	0.000	0.048	0.048	0.261	0.231	0.064	0.309	0.343
		0.604	20.50	20.50		0.000	18.50	16.00	Bottom Edge 10mm	0.604	0.000	0.604	0.000	0.000	0.000	0.604	0.604
DC_5A+n7A	Ant.13	0.191	25.00	24.00	Ant.11	0.127	18.50	16.00	Front Side 10mm	0.152	0.071	0.223	0.182	0.092	0.044	0.405	0.359
		0.162	25.00	24.00		0.171	18.50	16.00	Back Side 10mm	0.129	0.096	0.225	0.177	0.176	0.044	0.402	0.445
		0.000	25.00	24.00		0.000	18.50	16.00	Left Edge 10mm	0.000	0.000	0.000	0.154	0.123	0.038	0.154	0.161
		0.077	25.00	24.00		0.474	18.50	16.00	Right Edge 10mm	0.061	0.267	0.328	0.000	0.000	0.000	0.328	0.328
		0.256	25.00	24.00		0.086	18.50	16.00	Top Edge 10mm	0.203	0.048	0.252	0.261	0.231	0.064	0.513	0.547
		0.000	25.00	24.00		0.000	18.50	16.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_5A+n7A	Ant.31	0.143	25.00	25.00	Ant.11	0.127	18.50	16.00	Front Side 10mm	0.143	0.071	0.214	0.182	0.092	0.044	0.396	0.350

		0.296	25.00	25.00		0.171	18.50	16.00	Back Side 10mm	0.296	0.096	0.392	0.177	0.176	0.044	0.569	0.612
		0.074	25.00	25.00		0.000	18.50	16.00	Left Edge 10mm	0.074	0.000	0.074	0.154	0.123	0.038	0.228	0.235
		0.126	25.00	25.00		0.474	18.50	16.00	Right Edge 10mm	0.126	0.267	0.393	0.000	0.000	0.000	0.393	0.393
		0.000	25.00	25.00		0.086	18.50	16.00	Top Edge 10mm	0.000	0.048	0.048	0.261	0.231	0.064	0.309	0.343
		0.195	25.00	25.00		0.000	18.50	16.00	Bottom Edge 10mm	0.195	0.000	0.195	0.000	0.000	0.000	0.195	0.195
DC_66A+n7A	Ant.13	0.296	21.00	18.50	Ant.11	0.127	18.50	16.00	Front Side 10mm	0.166	0.071	0.238	0.182	0.092	0.044	0.420	0.374
		0.209	21.00	18.50		0.171	18.50	16.00	Back Side 10mm	0.118	0.096	0.214	0.177	0.176	0.044	0.391	0.434
		0.000	21.00	18.50		0.000	18.50	16.00	Left Edge 10mm	0.000	0.000	0.000	0.154	0.123	0.038	0.154	0.161
		0.071	21.00	18.50		0.474	18.50	16.00	Right Edge 10mm	0.040	0.267	0.306	0.000	0.000	0.000	0.306	0.306
		0.515	21.00	18.50		0.086	18.50	16.00	Top Edge 10mm	0.290	0.048	0.338	0.261	0.231	0.064	0.599	0.633
		0.000	21.00	18.50		0.000	18.50	16.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_66A+n7A	Ant.31	0.213	20.50	20.50	Ant.11	0.127	18.50	16.00	Front Side 10mm	0.213	0.071	0.284	0.182	0.092	0.044	0.466	0.420
		0.364	20.50	20.50		0.171	18.50	16.00	Back Side 10mm	0.364	0.096	0.460	0.177	0.176	0.044	0.637	0.680
		0.084	20.50	20.50		0.000	18.50	16.00	Left Edge 10mm	0.084	0.000	0.084	0.154	0.123	0.038	0.238	0.245
		0.043	20.50	20.50		0.474	18.50	16.00	Right Edge 10mm	0.043	0.267	0.310	0.000	0.000	0.000	0.310	0.310
		0.000	20.50	20.50		0.086	18.50	16.00	Top Edge 10mm	0.000	0.048	0.048	0.261	0.231	0.064	0.309	0.343
		0.610	20.50	20.50		0.000	18.50	16.00	Bottom Edge 10mm	0.610	0.000	0.610	0.000	0.000	0.000	0.610	0.610
DC_2A+n66A	Ant.13	0.260	20.50	18.00	Ant.11	0.155	22.50	20.00	Front Side 10mm	0.146	0.087	0.233	0.182	0.092	0.044	0.415	0.369
		0.194	20.50	18.00		0.213	22.50	20.00	Back Side 10mm	0.109	0.120	0.229	0.177	0.176	0.044	0.406	0.449
		0.087	20.50	18.00		0.000	22.50	20.00	Left Edge 10mm	0.049	0.000	0.049	0.154	0.123	0.038	0.203	0.210
		0.000	20.50	18.00		0.348	22.50	20.00	Right Edge 10mm	0.000	0.196	0.196	0.000	0.000	0.000	0.196	0.196
		0.533	20.50	18.00		0.054	22.50	20.00	Top Edge 10mm	0.300	0.030	0.330	0.261	0.231	0.064	0.591	0.625
		0.000	20.50	18.00		0.000	22.50	20.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_2A+n66A	Ant.31	0.224	20.50	20.50	Ant.11	0.155	22.50	20.00	Front Side 10mm	0.224	0.087	0.311	0.182	0.092	0.044	0.493	0.447
		0.408	20.50	20.50		0.213	22.50	20.00	Back Side 10mm	0.408	0.120	0.528	0.177	0.176	0.044	0.705	0.748
		0.129	20.50	20.50		0.000	22.50	20.00	Left Edge 10mm	0.129	0.000	0.129	0.154	0.123	0.038	0.283	0.290
		0.037	20.50	20.50		0.348	22.50	20.00	Right Edge 10mm	0.037	0.196	0.233	0.000	0.000	0.000	0.233	0.233
		0.000	20.50	20.50		0.054	22.50	20.00	Top Edge 10mm	0.000	0.030	0.030	0.261	0.231	0.064	0.291	0.325
		0.784	20.50	20.50		0.000	22.50	20.00	Bottom Edge 10mm	0.784	0.000	0.784	0.000	0.000	0.000	0.784	0.784
DC_5A+n66A	Ant.13	0.191	25.00	24.00	Ant.11	0.155	22.50	20.00	Front Side 10mm	0.152	0.087	0.239	0.182	0.092	0.044	0.421	0.375
		0.162	25.00	24.00		0.213	22.50	20.00	Back Side 10mm	0.129	0.120	0.248	0.177	0.176	0.044	0.425	0.468
		0.000	25.00	24.00		0.000	22.50	20.00	Left Edge 10mm	0.000	0.000	0.000	0.154	0.123	0.038	0.154	0.161
		0.077	25.00	24.00		0.348	22.50	20.00	Right Edge 10mm	0.061	0.196	0.257	0.000	0.000	0.000	0.257	0.257
		0.256	25.00	24.00		0.054	22.50	20.00	Top Edge 10mm	0.203	0.030	0.234	0.261	0.231	0.064	0.495	0.529
		0.000	25.00	24.00		0.000	22.50	20.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_5A+n66A	Ant.31	0.143	25.00	25.00	Ant.11	0.155	22.50	20.00	Front Side 10mm	0.143	0.087	0.230	0.182	0.092	0.044	0.412	0.366
		0.296	25.00	25.00		0.213	22.50	20.00	Back Side 10mm	0.296	0.120	0.416	0.177	0.176	0.044	0.593	0.636
		0.074	25.00	25.00		0.000	22.50	20.00	Left Edge 10mm	0.074	0.000	0.074	0.154	0.123	0.038	0.228	0.235
		0.126	25.00	25.00		0.348	22.50	20.00	Right Edge 10mm	0.126	0.196	0.322	0.000	0.000	0.000	0.322	0.322
		0.000	25.00	25.00		0.054	22.50	20.00	Top Edge 10mm	0.000	0.030	0.030	0.261	0.231	0.064	0.291	0.325
		0.195	25.00	25.00		0.000	22.50	20.00	Bottom Edge 10mm	0.195	0.000	0.195	0.000	0.000	0.000	0.195	0.195
DC_7A+n66A	Ant.13	0.140	14.50	12.00	Ant.11	0.155	22.50	20.00	Front Side 10mm	0.079	0.087	0.166	0.182	0.092	0.044	0.348	0.302
		0.209	14.50	12.00		0.213	22.50	20.00	Back Side 10mm	0.118	0.120	0.237	0.177	0.176	0.044	0.414	0.457

		0.000	14.50	12.00		0.000	22.50	20.00	Left Edge 10mm	0.000	0.000	0.000	0.154	0.123	0.038	0.154	0.161
		0.048	14.50	12.00		0.348	22.50	20.00	Right Edge 10mm	0.027	0.196	0.223	0.000	0.000	0.000	0.223	0.223
		0.628	14.50	12.00		0.054	22.50	20.00	Top Edge 10mm	0.353	0.030	0.384	0.261	0.231	0.064	0.645	0.679
		0.000	14.50	12.00		0.000	22.50	20.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_7A+n66A	Ant.31	0.394	22.00	22.00	Ant.11	0.155	22.50	20.00	Front Side 10mm	0.394	0.087	0.481	0.182	0.092	0.044	0.663	0.617
		0.536	22.00	22.00		0.213	22.50	20.00	Back Side 10mm	0.536	0.120	0.656	0.177	0.176	0.044	0.833	0.876
		0.215	22.00	22.00		0.000	22.50	20.00	Left Edge 10mm	0.215	0.000	0.215	0.154	0.123	0.038	0.369	0.376
		0.052	22.00	22.00		0.348	22.50	20.00	Right Edge 10mm	0.052	0.196	0.248	0.000	0.000	0.000	0.248	0.248
		0.000	22.00	22.00		0.054	22.50	20.00	Top Edge 10mm	0.000	0.030	0.030	0.261	0.231	0.064	0.291	0.325
		0.243	22.00	22.00		0.000	22.50	20.00	Bottom Edge 10mm	0.243	0.000	0.243	0.000	0.000	0.000	0.243	0.243
DC_4A+n38A	Ant.13	0.303	21.00	18.50	Ant.11	0.102	17.00	14.50	Front Side 10mm	0.170	0.057	0.228	0.182	0.092	0.044	0.410	0.364
		0.226	21.00	18.50		0.141	17.00	14.50	Back Side 10mm	0.127	0.079	0.206	0.177	0.176	0.044	0.383	0.426
		0.000	21.00	18.50		0.000	17.00	14.50	Left Edge 10mm	0.000	0.000	0.000	0.154	0.123	0.038	0.154	0.161
		0.064	21.00	18.50		0.407	17.00	14.50	Right Edge 10mm	0.036	0.229	0.265	0.000	0.000	0.000	0.265	0.265
		0.526	21.00	18.50		0.046	17.00	14.50	Top Edge 10mm	0.296	0.026	0.322	0.261	0.231	0.064	0.583	0.617
		0.000	21.00	18.50		0.000	17.00	14.50	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_4A+n38A	Ant.31	0.195	20.50	20.50	Ant.11	0.102	17.00	14.50	Front Side 10mm	0.195	0.057	0.252	0.182	0.092	0.044	0.434	0.388
		0.346	20.50	20.50		0.141	17.00	14.50	Back Side 10mm	0.346	0.079	0.425	0.177	0.176	0.044	0.602	0.645
		0.073	20.50	20.50		0.000	17.00	14.50	Left Edge 10mm	0.073	0.000	0.073	0.154	0.123	0.038	0.227	0.234
		0.042	20.50	20.50		0.407	17.00	14.50	Right Edge 10mm	0.042	0.229	0.271	0.000	0.000	0.000	0.271	0.271
		0.000	20.50	20.50		0.046	17.00	14.50	Top Edge 10mm	0.000	0.026	0.026	0.261	0.231	0.064	0.287	0.321
		0.604	20.50	20.50		0.000	17.00	14.50	Bottom Edge 10mm	0.604	0.000	0.604	0.000	0.000	0.000	0.604	0.604
DC_66A+n38A	Ant.13	0.296	21.00	18.50	Ant.11	0.102	17.00	14.50	Front Side 10mm	0.166	0.057	0.224	0.182	0.092	0.044	0.406	0.360
		0.209	21.00	18.50		0.141	17.00	14.50	Back Side 10mm	0.118	0.079	0.197	0.177	0.176	0.044	0.374	0.417
		0.000	21.00	18.50		0.000	17.00	14.50	Left Edge 10mm	0.000	0.000	0.000	0.154	0.123	0.038	0.154	0.161
		0.071	21.00	18.50		0.407	17.00	14.50	Right Edge 10mm	0.040	0.229	0.269	0.000	0.000	0.000	0.269	0.269
		0.515	21.00	18.50		0.046	17.00	14.50	Top Edge 10mm	0.290	0.026	0.315	0.261	0.231	0.064	0.576	0.610
		0.000	21.00	18.50		0.000	17.00	14.50	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_66A+n38A	Ant.31	0.213	20.50	20.50	Ant.11	0.102	17.00	14.50	Front Side 10mm	0.213	0.057	0.270	0.182	0.092	0.044	0.452	0.406
		0.364	20.50	20.50		0.141	17.00	14.50	Back Side 10mm	0.364	0.079	0.443	0.177	0.176	0.044	0.620	0.663
		0.084	20.50	20.50		0.000	17.00	14.50	Left Edge 10mm	0.084	0.000	0.084	0.154	0.123	0.038	0.238	0.245
		0.043	20.50	20.50		0.407	17.00	14.50	Right Edge 10mm	0.043	0.229	0.272	0.000	0.000	0.000	0.272	0.272
		0.000	20.50	20.50		0.046	17.00	14.50	Top Edge 10mm	0.000	0.026	0.026	0.261	0.231	0.064	0.287	0.321
		0.610	20.50	20.50		0.000	17.00	14.50	Bottom Edge 10mm	0.610	0.000	0.610	0.000	0.000	0.000	0.610	0.610
DC_4A+n41A	Ant.13	0.303	21.00	18.50	Ant.11	0.113	17.50	15.00	Front Side 10mm	0.170	0.064	0.234	0.182	0.092	0.044	0.416	0.370
		0.226	21.00	18.50		0.151	17.50	15.00	Back Side 10mm	0.127	0.085	0.212	0.177	0.176	0.044	0.389	0.432
		0.000	21.00	18.50		0.000	17.50	15.00	Left Edge 10mm	0.000	0.000	0.000	0.154	0.123	0.038	0.154	0.161
		0.064	21.00	18.50		0.394	17.50	15.00	Right Edge 10mm	0.036	0.222	0.258	0.000	0.000	0.000	0.258	0.258
		0.526	21.00	18.50		0.052	17.50	15.00	Top Edge 10mm	0.296	0.029	0.325	0.261	0.231	0.064	0.586	0.620
		0.000	21.00	18.50		0.000	17.50	15.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_4A+n41A	Ant.31	0.195	20.50	20.50	Ant.11	0.113	17.50	15.00	Front Side 10mm	0.195	0.064	0.259	0.182	0.092	0.044	0.441	0.395
		0.346	20.50	20.50		0.151	17.50	15.00	Back Side 10mm	0.346	0.085	0.431	0.177	0.176	0.044	0.608	0.651
		0.073	20.50	20.50		0.000	17.50	15.00	Left Edge 10mm	0.073	0.000	0.073	0.154	0.123	0.038	0.227	0.234

		0.042	20.50	20.50		0.394	17.50	15.00	Right Edge 10mm	0.042	0.222	0.264	0.000	0.000	0.000	0.264	0.264
		0.000	20.50	20.50		0.052	17.50	15.00	Top Edge 10mm	0.000	0.029	0.029	0.261	0.231	0.064	0.290	0.324
		0.604	20.50	20.50		0.000	17.50	15.00	Bottom Edge 10mm	0.604	0.000	0.604	0.000	0.000	0.000	0.604	0.604
DC_66A+n41A	Ant.13	0.296	21.00	18.50	Ant.11	0.113	17.50	15.00	Front Side 10mm	0.166	0.064	0.230	0.182	0.092	0.044	0.412	0.366
		0.209	21.00	18.50		0.151	17.50	15.00	Back Side 10mm	0.118	0.085	0.202	0.177	0.176	0.044	0.379	0.422
		0.000	21.00	18.50		0.000	17.50	15.00	Left Edge 10mm	0.000	0.000	0.000	0.154	0.123	0.038	0.154	0.161
		0.071	21.00	18.50		0.394	17.50	15.00	Right Edge 10mm	0.040	0.222	0.261	0.000	0.000	0.000	0.261	0.261
		0.515	21.00	18.50		0.052	17.50	15.00	Top Edge 10mm	0.290	0.029	0.319	0.261	0.231	0.064	0.580	0.614
		0.000	21.00	18.50		0.000	17.50	15.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_66A+n41A	Ant.31	0.213	20.50	20.50	Ant.11	0.113	17.50	15.00	Front Side 10mm	0.213	0.064	0.277	0.182	0.092	0.044	0.459	0.413
		0.364	20.50	20.50		0.151	17.50	15.00	Back Side 10mm	0.364	0.085	0.449	0.177	0.176	0.044	0.626	0.669
		0.084	20.50	20.50		0.000	17.50	15.00	Left Edge 10mm	0.084	0.000	0.084	0.154	0.123	0.038	0.238	0.245
		0.043	20.50	20.50		0.394	17.50	15.00	Right Edge 10mm	0.043	0.222	0.265	0.000	0.000	0.000	0.265	0.265
		0.000	20.50	20.50		0.052	17.50	15.00	Top Edge 10mm	0.000	0.029	0.029	0.261	0.231	0.064	0.290	0.324
		0.610	20.50	20.50		0.000	17.50	15.00	Bottom Edge 10mm	0.610	0.000	0.610	0.000	0.000	0.000	0.610	0.610
DC_7A+n77A	Ant.13	0.140	14.50	12.00	Ant.11	0.359	20.00	19.00	Front Side 10mm	0.079	0.285	0.364	0.182	0.092	0.044	0.546	0.500
		0.209	14.50	12.00		0.582	20.00	19.00	Back Side 10mm	0.118	0.462	0.580	0.177	0.176	0.044	0.757	0.800
		0.000	14.50	12.00		0.000	20.00	19.00	Left Edge 10mm	0.000	0.000	0.000	0.154	0.123	0.038	0.154	0.161
		0.048	14.50	12.00		0.990	20.00	19.00	Right Edge 10mm	0.027	0.786	0.813	0.000	0.000	0.000	0.813	0.813
		0.628	14.50	12.00		0.075	20.00	19.00	Top Edge 10mm	0.353	0.060	0.413	0.261	0.231	0.064	0.674	0.708
		0.000	14.50	12.00		0.000	20.00	19.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_7A+n77A	Ant.13	0.140	14.50	12.00	Ant.12	0.467	22.50	20.00	Front Side 10mm	0.079	0.263	0.341	0.182	0.092	0.044	0.523	0.477
		0.209	14.50	12.00		0.475	22.50	20.00	Back Side 10mm	0.118	0.267	0.385	0.177	0.176	0.044	0.562	0.605
		0.000	14.50	12.00		0.000	22.50	20.00	Left Edge 10mm	0.000	0.000	0.000	0.154	0.123	0.038	0.154	0.161
		0.048	14.50	12.00		0.397	22.50	20.00	Right Edge 10mm	0.027	0.223	0.250	0.000	0.000	0.000	0.250	0.250
		0.628	14.50	12.00		0.353	22.50	20.00	Top Edge 10mm	0.353	0.199	0.552	0.261	0.231	0.064	0.813	0.847
		0.000	14.50	12.00		0.000	22.50	20.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_7A+n77A	Ant.31	0.394	22.00	22.00	Ant.11	0.359	20.00	19.00	Front Side 10mm	0.394	0.285	0.679	0.182	0.092	0.044	0.861	0.815
		0.536	22.00	22.00		0.582	20.00	19.00	Back Side 10mm	0.536	0.462	0.998	0.177	0.176	0.044	1.175	1.218
		0.215	22.00	22.00		0.000	20.00	19.00	Left Edge 10mm	0.215	0.000	0.215	0.154	0.123	0.038	0.369	0.376
		0.052	22.00	22.00		0.990	20.00	19.00	Right Edge 10mm	0.052	0.786	0.838	0.000	0.000	0.000	0.838	0.838
		0.000	22.00	22.00		0.075	20.00	19.00	Top Edge 10mm	0.000	0.060	0.060	0.261	0.231	0.064	0.321	0.355
		0.243	22.00	22.00		0.000	20.00	19.00	Bottom Edge 10mm	0.243	0.000	0.243	0.000	0.000	0.000	0.243	0.243
DC_7A+n77A	Ant.31	0.394	22.00	22.00	Ant.12	0.467	22.50	20.00	Front Side 10mm	0.394	0.263	0.657	0.182	0.092	0.044	0.839	0.793
		0.536	22.00	22.00		0.475	22.50	20.00	Back Side 10mm	0.536	0.267	0.803	0.177	0.176	0.044	0.980	1.023
		0.215	22.00	22.00		0.000	22.50	20.00	Left Edge 10mm	0.215	0.000	0.215	0.154	0.123	0.038	0.369	0.376
		0.052	22.00	22.00		0.397	22.50	20.00	Right Edge 10mm	0.052	0.223	0.275	0.000	0.000	0.000	0.275	0.275
		0.000	22.00	22.00		0.353	22.50	20.00	Top Edge 10mm	0.000	0.199	0.199	0.261	0.231	0.064	0.460	0.494
		0.243	22.00	22.00		0.000	22.50	20.00	Bottom Edge 10mm	0.243	0.000	0.243	0.000	0.000	0.000	0.243	0.243
DC_2A+n78A	Ant.13	0.260	20.50	18.00	Ant.11	0.155	20.00	18.00	Front Side 10mm	0.146	0.098	0.244	0.182	0.092	0.044	0.426	0.380
		0.194	20.50	18.00		0.261	20.00	18.00	Back Side 10mm	0.109	0.165	0.274	0.177	0.176	0.044	0.451	0.494
		0.087	20.50	18.00		0.000	20.00	18.00	Left Edge 10mm	0.049	0.000	0.049	0.154	0.123	0.038	0.203	0.210
		0.000	20.50	18.00		0.718	20.00	18.00	Right Edge 10mm	0.000	0.453	0.453	0.000	0.000	0.000	0.453	0.453

		0.533	20.50	18.00		0.061	20.00	18.00	Top Edge 10mm	0.300	0.038	0.338	0.261	0.231	0.064	0.599	0.633
		0.000	20.50	18.00		0.000	20.00	18.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_2A+n78A	Ant.13	0.260	20.50	18.00	Ant.12	0.576	23.00	20.00	Front Side 10mm	0.146	0.289	0.435	0.182	0.092	0.044	0.617	0.571
		0.194	20.50	18.00		0.515	23.00	20.00	Back Side 10mm	0.109	0.258	0.367	0.177	0.176	0.044	0.544	0.587
		0.087	20.50	18.00		0.000	23.00	20.00	Left Edge 10mm	0.049	0.000	0.049	0.154	0.123	0.038	0.203	0.210
		0.000	20.50	18.00		0.538	23.00	20.00	Right Edge 10mm	0.000	0.270	0.270	0.000	0.000	0.000	0.270	0.270
		0.533	20.50	18.00		0.624	23.00	20.00	Top Edge 10mm	0.300	0.313	0.612	0.261	0.231	0.064	0.873	0.907
		0.000	20.50	18.00		0.000	23.00	20.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_2A+n78A	Ant.31	0.224	20.50	20.50	Ant.11	0.155	20.00	18.00	Front Side 10mm	0.224	0.098	0.322	0.182	0.092	0.044	0.504	0.458
		0.408	20.50	20.50		0.261	20.00	18.00	Back Side 10mm	0.408	0.165	0.573	0.177	0.176	0.044	0.750	0.793
		0.129	20.50	20.50		0.000	20.00	18.00	Left Edge 10mm	0.129	0.000	0.129	0.154	0.123	0.038	0.283	0.290
		0.037	20.50	20.50		0.718	20.00	18.00	Right Edge 10mm	0.037	0.453	0.490	0.000	0.000	0.000	0.490	0.490
		0.000	20.50	20.50		0.061	20.00	18.00	Top Edge 10mm	0.000	0.038	0.038	0.261	0.231	0.064	0.299	0.333
		0.784	20.50	20.50		0.000	20.00	18.00	Bottom Edge 10mm	0.784	0.000	0.784	0.000	0.000	0.000	0.784	0.784
DC_2A+n78A	Ant.31	0.224	20.50	20.50	Ant.12	0.576	23.00	20.00	Front Side 10mm	0.224	0.289	0.513	0.182	0.092	0.044	0.695	0.649
		0.408	20.50	20.50		0.515	23.00	20.00	Back Side 10mm	0.408	0.258	0.666	0.177	0.176	0.044	0.843	0.886
		0.129	20.50	20.50		0.000	23.00	20.00	Left Edge 10mm	0.129	0.000	0.129	0.154	0.123	0.038	0.283	0.290
		0.037	20.50	20.50		0.538	23.00	20.00	Right Edge 10mm	0.037	0.270	0.307	0.000	0.000	0.000	0.307	0.307
		0.000	20.50	20.50		0.624	23.00	20.00	Top Edge 10mm	0.000	0.313	0.313	0.261	0.231	0.064	0.574	0.608
		0.784	20.50	20.50		0.000	23.00	20.00	Bottom Edge 10mm	0.784	0.000	0.784	0.000	0.000	0.000	0.784	0.784
DC_4A+n78A	Ant.13	0.303	21.00	18.50	Ant.11	0.155	20.00	18.00	Front Side 10mm	0.170	0.098	0.268	0.182	0.092	0.044	0.450	0.404
		0.226	21.00	18.50		0.261	20.00	18.00	Back Side 10mm	0.127	0.165	0.292	0.177	0.176	0.044	0.469	0.512
		0.000	21.00	18.50		0.000	20.00	18.00	Left Edge 10mm	0.000	0.000	0.000	0.154	0.123	0.038	0.154	0.161
		0.064	21.00	18.50		0.718	20.00	18.00	Right Edge 10mm	0.036	0.453	0.489	0.000	0.000	0.000	0.489	0.489
		0.526	21.00	18.50		0.061	20.00	18.00	Top Edge 10mm	0.296	0.038	0.334	0.261	0.231	0.064	0.595	0.629
		0.000	21.00	18.50		0.000	20.00	18.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_4A+n78A	Ant.13	0.303	21.00	18.50	Ant.12	0.576	23.00	20.00	Front Side 10mm	0.170	0.289	0.459	0.182	0.092	0.044	0.641	0.595
		0.226	21.00	18.50		0.515	23.00	20.00	Back Side 10mm	0.127	0.258	0.385	0.177	0.176	0.044	0.562	0.605
		0.000	21.00	18.50		0.000	23.00	20.00	Left Edge 10mm	0.000	0.000	0.000	0.154	0.123	0.038	0.154	0.161
		0.064	21.00	18.50		0.538	23.00	20.00	Right Edge 10mm	0.036	0.270	0.306	0.000	0.000	0.000	0.306	0.306
		0.526	21.00	18.50		0.624	23.00	20.00	Top Edge 10mm	0.296	0.313	0.609	0.261	0.231	0.064	0.870	0.904
		0.000	21.00	18.50		0.000	23.00	20.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_4A+n78A	Ant.31	0.195	20.50	20.50	Ant.11	0.155	20.00	18.00	Front Side 10mm	0.195	0.098	0.293	0.182	0.092	0.044	0.475	0.429
		0.346	20.50	20.50		0.261	20.00	18.00	Back Side 10mm	0.346	0.165	0.511	0.177	0.176	0.044	0.688	0.731
		0.073	20.50	20.50		0.000	20.00	18.00	Left Edge 10mm	0.073	0.000	0.073	0.154	0.123	0.038	0.227	0.234
		0.042	20.50	20.50		0.718	20.00	18.00	Right Edge 10mm	0.042	0.453	0.495	0.000	0.000	0.000	0.495	0.495
		0.000	20.50	20.50		0.061	20.00	18.00	Top Edge 10mm	0.000	0.038	0.038	0.261	0.231	0.064	0.299	0.333
		0.604	20.50	20.50		0.000	20.00	18.00	Bottom Edge 10mm	0.604	0.000	0.604	0.000	0.000	0.000	0.604	0.604
DC_4A+n78A	Ant.31	0.195	20.50	20.50	Ant.12	0.576	23.00	20.00	Front Side 10mm	0.195	0.289	0.484	0.182	0.092	0.044	0.666	0.620
		0.346	20.50	20.50		0.515	23.00	20.00	Back Side 10mm	0.346	0.258	0.604	0.177	0.176	0.044	0.781	0.824
		0.073	20.50	20.50		0.000	23.00	20.00	Left Edge 10mm	0.073	0.000	0.073	0.154	0.123	0.038	0.227	0.234
		0.042	20.50	20.50		0.538	23.00	20.00	Right Edge 10mm	0.042	0.270	0.312	0.000	0.000	0.000	0.312	0.312
		0.000	20.50	20.50		0.624	23.00	20.00	Top Edge 10mm	0.000	0.313	0.313	0.261	0.231	0.064	0.574	0.608

		0.604	20.50	20.50		0.000	23.00	20.00	Bottom Edge 10mm	0.604	0.000	0.604	0.000	0.000	0.000	0.604	0.604
DC_5A+n78A	Ant.13	0.191	25.00	24.00	Ant.11	0.155	20.00	18.00	Front Side 10mm	0.152	0.098	0.250	0.182	0.092	0.044	0.432	0.386
		0.162	25.00	24.00		0.261	20.00	18.00	Back Side 10mm	0.129	0.165	0.293	0.177	0.176	0.044	0.470	0.513
		0.000	25.00	24.00		0.000	20.00	18.00	Left Edge 10mm	0.000	0.000	0.000	0.154	0.123	0.038	0.154	0.161
		0.077	25.00	24.00		0.718	20.00	18.00	Right Edge 10mm	0.061	0.453	0.514	0.000	0.000	0.000	0.514	0.514
		0.256	25.00	24.00		0.061	20.00	18.00	Top Edge 10mm	0.203	0.038	0.242	0.261	0.231	0.064	0.503	0.537
		0.000	25.00	24.00		0.000	20.00	18.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_5A+n78A	Ant.13	0.191	25.00	24.00	Ant.12	0.576	23.00	20.00	Front Side 10mm	0.152	0.289	0.440	0.182	0.092	0.044	0.622	0.576
		0.162	25.00	24.00		0.515	23.00	20.00	Back Side 10mm	0.129	0.258	0.387	0.177	0.176	0.044	0.564	0.607
		0.000	25.00	24.00		0.000	23.00	20.00	Left Edge 10mm	0.000	0.000	0.000	0.154	0.123	0.038	0.154	0.161
		0.077	25.00	24.00		0.538	23.00	20.00	Right Edge 10mm	0.061	0.270	0.331	0.000	0.000	0.000	0.331	0.331
		0.256	25.00	24.00		0.624	23.00	20.00	Top Edge 10mm	0.203	0.313	0.516	0.261	0.231	0.064	0.777	0.811
		0.000	25.00	24.00		0.000	23.00	20.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_5A+n78A	Ant.31	0.143	25.00	25.00	Ant.11	0.155	20.00	18.00	Front Side 10mm	0.143	0.098	0.241	0.182	0.092	0.044	0.423	0.377
		0.296	25.00	25.00		0.261	20.00	18.00	Back Side 10mm	0.296	0.165	0.461	0.177	0.176	0.044	0.638	0.681
		0.074	25.00	25.00		0.000	20.00	18.00	Left Edge 10mm	0.074	0.000	0.074	0.154	0.123	0.038	0.228	0.235
		0.126	25.00	25.00		0.718	20.00	18.00	Right Edge 10mm	0.126	0.453	0.579	0.000	0.000	0.000	0.579	0.579
		0.000	25.00	25.00		0.061	20.00	18.00	Top Edge 10mm	0.000	0.038	0.038	0.261	0.231	0.064	0.299	0.333
		0.195	25.00	25.00		0.000	20.00	18.00	Bottom Edge 10mm	0.195	0.000	0.195	0.000	0.000	0.000	0.195	0.195
DC_5A+n78A	Ant.31	0.143	25.00	25.00	Ant.12	0.576	23.00	20.00	Front Side 10mm	0.143	0.289	0.432	0.182	0.092	0.044	0.614	0.568
		0.296	25.00	25.00		0.515	23.00	20.00	Back Side 10mm	0.296	0.258	0.554	0.177	0.176	0.044	0.731	0.774
		0.074	25.00	25.00		0.000	23.00	20.00	Left Edge 10mm	0.074	0.000	0.074	0.154	0.123	0.038	0.228	0.235
		0.126	25.00	25.00		0.538	23.00	20.00	Right Edge 10mm	0.126	0.270	0.396	0.000	0.000	0.000	0.396	0.396
		0.000	25.00	25.00		0.624	23.00	20.00	Top Edge 10mm	0.000	0.313	0.313	0.261	0.231	0.064	0.574	0.608
		0.195	25.00	25.00		0.000	23.00	20.00	Bottom Edge 10mm	0.195	0.000	0.195	0.000	0.000	0.000	0.195	0.195
DC_7A+n78A	Ant.13	0.140	14.50	12.50	Ant.11	0.155	20.00	18.00	Front Side 10mm	0.088	0.098	0.186	0.182	0.092	0.044	0.368	0.322
		0.209	14.50	12.50		0.261	20.00	18.00	Back Side 10mm	0.132	0.165	0.297	0.177	0.176	0.044	0.474	0.517
		0.000	14.50	12.50		0.000	20.00	18.00	Left Edge 10mm	0.000	0.000	0.000	0.154	0.123	0.038	0.154	0.161
		0.048	14.50	12.50		0.718	20.00	18.00	Right Edge 10mm	0.030	0.453	0.483	0.000	0.000	0.000	0.483	0.483
		0.628	14.50	12.50		0.061	20.00	18.00	Top Edge 10mm	0.396	0.038	0.435	0.261	0.231	0.064	0.696	0.730
		0.000	14.50	12.50		0.000	20.00	18.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_7A+n78A	Ant.13	0.140	14.50	12.50	Ant.12	0.576	23.00	20.00	Front Side 10mm	0.088	0.289	0.377	0.182	0.092	0.044	0.559	0.513
		0.209	14.50	12.50		0.515	23.00	20.00	Back Side 10mm	0.132	0.258	0.390	0.177	0.176	0.044	0.567	0.610
		0.000	14.50	12.50		0.000	23.00	20.00	Left Edge 10mm	0.000	0.000	0.000	0.154	0.123	0.038	0.154	0.161
		0.048	14.50	12.50		0.538	23.00	20.00	Right Edge 10mm	0.030	0.270	0.300	0.000	0.000	0.000	0.300	0.300
		0.628	14.50	12.50		0.624	23.00	20.00	Top Edge 10mm	0.396	0.313	0.709	0.261	0.231	0.064	0.970	1.004
		0.000	14.50	12.50		0.000	23.00	20.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_7A+n78A	Ant.31	0.394	22.00	22.50	Ant.11	0.155	20.00	18.00	Front Side 10mm	0.442	0.098	0.540	0.182	0.092	0.044	0.722	0.676
		0.536	22.00	22.50		0.261	20.00	18.00	Back Side 10mm	0.601	0.165	0.766	0.177	0.176	0.044	0.943	0.986
		0.215	22.00	22.50		0.000	20.00	18.00	Left Edge 10mm	0.241	0.000	0.241	0.154	0.123	0.038	0.395	0.402
		0.052	22.00	22.50		0.718	20.00	18.00	Right Edge 10mm	0.058	0.453	0.511	0.000	0.000	0.000	0.511	0.511
		0.000	22.00	22.50		0.061	20.00	18.00	Top Edge 10mm	0.000	0.038	0.038	0.261	0.231	0.064	0.299	0.333
		0.243	22.00	22.50		0.000	20.00	18.00	Bottom Edge 10mm	0.273	0.000	0.273	0.000	0.000	0.000	0.273	0.273

DC_7A+n78A	Ant.31	0.394	22.00	22.50	Ant.12	0.576	23.00	20.00	Front Side 10mm	0.442	0.289	0.731	0.182	0.092	0.044	0.913	0.867
		0.536	22.00	22.50		0.515	23.00	20.00	Back Side 10mm	0.601	0.258	0.860	0.177	0.176	0.044	1.037	1.080
		0.215	22.00	22.50		0.000	23.00	20.00	Left Edge 10mm	0.241	0.000	0.241	0.154	0.123	0.038	0.395	0.402
		0.052	22.00	22.50		0.538	23.00	20.00	Right Edge 10mm	0.058	0.270	0.328	0.000	0.000	0.000	0.328	0.328
		0.000	22.00	22.50		0.624	23.00	20.00	Top Edge 10mm	0.000	0.313	0.313	0.261	0.231	0.064	0.574	0.608
		0.243	22.00	22.50		0.000	23.00	20.00	Bottom Edge 10mm	0.273	0.000	0.273	0.000	0.000	0.000	0.273	0.273
DC_66A+n78A	Ant.13	0.296	21.00	18.50	Ant.11	0.155	20.00	18.00	Front Side 10mm	0.166	0.098	0.264	0.182	0.092	0.044	0.446	0.400
		0.209	21.00	18.50		0.261	20.00	18.00	Back Side 10mm	0.118	0.165	0.282	0.177	0.176	0.044	0.459	0.502
		0.000	21.00	18.50		0.000	20.00	18.00	Left Edge 10mm	0.000	0.000	0.000	0.154	0.123	0.038	0.154	0.161
		0.071	21.00	18.50		0.718	20.00	18.00	Right Edge 10mm	0.040	0.453	0.493	0.000	0.000	0.000	0.493	0.493
		0.515	21.00	18.50		0.061	20.00	18.00	Top Edge 10mm	0.290	0.038	0.328	0.261	0.231	0.064	0.589	0.623
		0.000	21.00	18.50		0.000	20.00	18.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_66A+n78A	Ant.13	0.296	21.00	18.50	Ant.12	0.576	23.00	20.00	Front Side 10mm	0.166	0.289	0.455	0.182	0.092	0.044	0.637	0.591
		0.209	21.00	18.50		0.515	23.00	20.00	Back Side 10mm	0.118	0.258	0.376	0.177	0.176	0.044	0.553	0.596
		0.000	21.00	18.50		0.000	23.00	20.00	Left Edge 10mm	0.000	0.000	0.000	0.154	0.123	0.038	0.154	0.161
		0.071	21.00	18.50		0.538	23.00	20.00	Right Edge 10mm	0.040	0.270	0.310	0.000	0.000	0.000	0.310	0.310
		0.515	21.00	18.50		0.624	23.00	20.00	Top Edge 10mm	0.290	0.313	0.602	0.261	0.231	0.064	0.863	0.897
		0.000	21.00	18.50		0.000	23.00	20.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_66A+n78A	Ant.31	0.213	20.50	20.50	Ant.11	0.155	20.00	18.00	Front Side 10mm	0.213	0.098	0.311	0.182	0.092	0.044	0.493	0.447
		0.364	20.50	20.50		0.261	20.00	18.00	Back Side 10mm	0.364	0.165	0.529	0.177	0.176	0.044	0.706	0.749
		0.084	20.50	20.50		0.000	20.00	18.00	Left Edge 10mm	0.084	0.000	0.084	0.154	0.123	0.038	0.238	0.245
		0.043	20.50	20.50		0.718	20.00	18.00	Right Edge 10mm	0.043	0.453	0.496	0.000	0.000	0.000	0.496	0.496
		0.000	20.50	20.50		0.061	20.00	18.00	Top Edge 10mm	0.000	0.038	0.038	0.261	0.231	0.064	0.299	0.333
		0.610	20.50	20.50		0.000	20.00	18.00	Bottom Edge 10mm	0.610	0.000	0.610	0.000	0.000	0.000	0.610	0.610
DC_66A+n78A	Ant.31	0.213	20.50	20.50	Ant.12	0.576	23.00	20.00	Front Side 10mm	0.213	0.289	0.502	0.182	0.092	0.044	0.684	0.638
		0.364	20.50	20.50		0.515	23.00	20.00	Back Side 10mm	0.364	0.258	0.622	0.177	0.176	0.044	0.799	0.842
		0.084	20.50	20.50		0.000	23.00	20.00	Left Edge 10mm	0.084	0.000	0.084	0.154	0.123	0.038	0.238	0.245
		0.043	20.50	20.50		0.538	23.00	20.00	Right Edge 10mm	0.043	0.270	0.313	0.000	0.000	0.000	0.313	0.313
		0.000	20.50	20.50		0.624	23.00	20.00	Top Edge 10mm	0.000	0.313	0.313	0.261	0.231	0.064	0.574	0.608
		0.610	20.50	20.50		0.000	23.00	20.00	Bottom Edge 10mm	0.610	0.000	0.610	0.000	0.000	0.000	0.610	0.610
DC_38A+n78A	Ant.13	0.195	18.20	17.20	Ant.11	0.155	20.00	18.00	Front Side 10mm	0.155	0.098	0.253	0.182	0.092	0.044	0.435	0.389
		0.264	18.20	17.20		0.261	20.00	18.00	Back Side 10mm	0.210	0.165	0.374	0.177	0.176	0.044	0.551	0.594
		0.000	18.20	17.20		0.000	20.00	18.00	Left Edge 10mm	0.000	0.000	0.000	0.154	0.123	0.038	0.154	0.161
		0.071	18.20	17.20		0.718	20.00	18.00	Right Edge 10mm	0.056	0.453	0.509	0.000	0.000	0.000	0.509	0.509
		0.865	18.20	17.20		0.061	20.00	18.00	Top Edge 10mm	0.687	0.038	0.726	0.261	0.231	0.064	0.987	1.021
		0.000	18.20	17.20		0.000	20.00	18.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_38A+n78A	Ant.13	0.195	18.20	17.20	Ant.12	0.576	23.00	20.00	Front Side 10mm	0.155	0.289	0.444	0.182	0.092	0.044	0.626	0.580
		0.264	18.20	17.20		0.515	23.00	20.00	Back Side 10mm	0.210	0.258	0.468	0.177	0.176	0.044	0.645	0.688
		0.000	18.20	17.20		0.000	23.00	20.00	Left Edge 10mm	0.000	0.000	0.000	0.154	0.123	0.038	0.154	0.161
		0.071	18.20	17.20		0.538	23.00	20.00	Right Edge 10mm	0.056	0.270	0.326	0.000	0.000	0.000	0.326	0.326
		0.865	18.20	17.20		0.624	23.00	20.00	Top Edge 10mm	0.687	0.313	1.000	0.261	0.231	0.064	1.261	1.295
		0.000	18.20	17.20		0.000	23.00	20.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_38A+n78A	Ant.31	0.311	24.70	24.70	Ant.11	0.155	20.00	18.00	Front Side 10mm	0.311	0.098	0.409	0.182	0.092	0.044	0.591	0.545



		0.495	24.70	24.70		0.261	20.00	18.00	Back Side 10mm	0.495	0.165	0.660	0.177	0.176	0.044	0.837	0.880
		0.164	24.70	24.70		0.000	20.00	18.00	Left Edge 10mm	0.164	0.000	0.164	0.154	0.123	0.038	0.318	0.325
		0.110	24.70	24.70		0.718	20.00	18.00	Right Edge 10mm	0.110	0.453	0.563	0.000	0.000	0.000	0.563	0.563
		0.000	24.70	24.70		0.061	20.00	18.00	Top Edge 10mm	0.000	0.038	0.038	0.261	0.231	0.064	0.299	0.333
		0.354	24.70	24.70		0.000	20.00	18.00	Bottom Edge 10mm	0.354	0.000	0.354	0.000	0.000	0.000	0.354	0.354
DC_38A+n78A	Ant.31	0.311	24.70	24.70	Ant.12	0.576	23.00	20.00	Front Side 10mm	0.311	0.289	0.600	0.182	0.092	0.044	0.782	0.736
		0.495	24.70	24.70		0.515	23.00	20.00	Back Side 10mm	0.495	0.258	0.753	0.177	0.176	0.044	0.930	0.973
		0.164	24.70	24.70		0.000	23.00	20.00	Left Edge 10mm	0.164	0.000	0.164	0.154	0.123	0.038	0.318	0.325
		0.110	24.70	24.70		0.538	23.00	20.00	Right Edge 10mm	0.110	0.270	0.380	0.000	0.000	0.000	0.380	0.380
		0.000	24.70	24.70		0.624	23.00	20.00	Top Edge 10mm	0.000	0.313	0.313	0.261	0.231	0.064	0.574	0.608
		0.354	24.70	24.70		0.000	23.00	20.00	Bottom Edge 10mm	0.354	0.000	0.354	0.000	0.000	0.000	0.354	0.354
DC_41A+n78A	Ant.13	0.150	17.70	16.20	Ant.11	0.155	20.00	18.00	Front Side 10mm	0.106	0.098	0.204	0.182	0.092	0.044	0.386	0.340
		0.181	17.70	16.20		0.261	20.00	18.00	Back Side 10mm	0.128	0.165	0.293	0.177	0.176	0.044	0.470	0.513
		0.000	17.70	16.20		0.000	20.00	18.00	Left Edge 10mm	0.000	0.000	0.000	0.154	0.123	0.038	0.154	0.161
		0.073	17.70	16.20		0.718	20.00	18.00	Right Edge 10mm	0.052	0.453	0.505	0.000	0.000	0.000	0.505	0.505
		0.566	17.70	16.20		0.061	20.00	18.00	Top Edge 10mm	0.401	0.038	0.439	0.261	0.231	0.064	0.700	0.734
		0.000	17.70	16.20		0.000	20.00	18.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_41A+n78A	Ant.13	0.150	17.70	16.20	Ant.12	0.576	23.00	20.00	Front Side 10mm	0.106	0.289	0.395	0.182	0.092	0.044	0.577	0.531
		0.181	17.70	16.20		0.515	23.00	20.00	Back Side 10mm	0.128	0.258	0.386	0.177	0.176	0.044	0.563	0.606
		0.000	17.70	16.20		0.000	23.00	20.00	Left Edge 10mm	0.000	0.000	0.000	0.154	0.123	0.038	0.154	0.161
		0.073	17.70	16.20		0.538	23.00	20.00	Right Edge 10mm	0.052	0.270	0.321	0.000	0.000	0.000	0.321	0.321
		0.566	17.70	16.20		0.624	23.00	20.00	Top Edge 10mm	0.401	0.313	0.713	0.261	0.231	0.064	0.974	1.008
		0.000	17.70	16.20		0.000	23.00	20.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_41A+n78A	Ant.31	0.321	24.70	24.70	Ant.11	0.155	20.00	18.00	Front Side 10mm	0.321	0.098	0.419	0.182	0.092	0.044	0.601	0.555
		0.439	24.70	24.70		0.261	20.00	18.00	Back Side 10mm	0.439	0.165	0.604	0.177	0.176	0.044	0.781	0.824
		0.144	24.70	24.70		0.000	20.00	18.00	Left Edge 10mm	0.144	0.000	0.144	0.154	0.123	0.038	0.298	0.305
		0.095	24.70	24.70		0.718	20.00	18.00	Right Edge 10mm	0.095	0.453	0.548	0.000	0.000	0.000	0.548	0.548
		0.000	24.70	24.70		0.061	20.00	18.00	Top Edge 10mm	0.000	0.038	0.038	0.261	0.231	0.064	0.299	0.333
		0.222	24.70	24.70		0.000	20.00	18.00	Bottom Edge 10mm	0.222	0.000	0.222	0.000	0.000	0.000	0.222	0.222
DC_41A+n78A	Ant.31	0.321	24.70	24.70	Ant.12	0.576	23.00	20.00	Front Side 10mm	0.321	0.289	0.610	0.182	0.092	0.044	0.792	0.746
		0.439	24.70	24.70		0.515	23.00	20.00	Back Side 10mm	0.439	0.258	0.697	0.177	0.176	0.044	0.874	0.917
		0.144	24.70	24.70		0.000	23.00	20.00	Left Edge 10mm	0.144	0.000	0.144	0.154	0.123	0.038	0.298	0.305
		0.095	24.70	24.70		0.538	23.00	20.00	Right Edge 10mm	0.095	0.270	0.365	0.000	0.000	0.000	0.365	0.365
		0.000	24.70	24.70		0.624	23.00	20.00	Top Edge 10mm	0.000	0.313	0.313	0.261	0.231	0.064	0.574	0.608
		0.222	24.70	24.70		0.000	23.00	20.00	Bottom Edge 10mm	0.222	0.000	0.222	0.000	0.000	0.000	0.222	0.222

Note:

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

2: The highest Summed 1g SAR is 1.295 W/Kg &lt; 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

## 13.2.14 Head Simultaneous Transmission SAR Evaluation for LTE Inter UL CA

Band	LTE Band1 Antenna	4G		UL CA	LTE Band2 Antenna	4G		UL CA	Position	Stand alone SAR		
		LTE Band1 SAR	LTE Band1 Max Power	LTE Band1 Max Power		LTE Band2 SAR	LTE Band2 Max Power	LTE Band2 Max Power		LTE Band1 SAR	LTE Band2 SAR	1
				DSI2				DSI2				UL CA (Band1+Band2)
CA_2A_4A	Ant.13	0.515	18.00	13.50	Ant.11	0.422	23.50	19.00	Left Cheek	0.183	0.150	0.332
		0.715	18.00	13.50		0.233	23.50	19.00	Left Tilt	0.254	0.083	0.336
		0.796	18.00	13.50		0.897	23.50	19.00	Right Cheek	0.282	0.318	0.601
		0.994	18.00	13.50		0.207	23.50	19.00	Right Tilt	0.353	0.073	0.426
CA_2A_4A	Ant.31	0.183	24.50	22.50	Ant.11	0.422	23.50	19.00	Left Cheek	0.115	0.150	0.265
		0.082	24.50	22.50		0.233	23.50	19.00	Left Tilt	0.052	0.083	0.134
		0.126	24.50	22.50		0.897	23.50	19.00	Right Cheek	0.080	0.318	0.398
		0.080	24.50	22.50		0.207	23.50	19.00	Right Tilt	0.050	0.073	0.124
CA_2A_7A	Ant.13	0.515	18.00	13.50	Ant.11	0.265	18.00	15.50	Left Cheek	0.183	0.149	0.332
		0.715	18.00	13.50		0.074	18.00	15.50	Left Tilt	0.254	0.042	0.295
		0.796	18.00	13.50		0.804	18.00	15.50	Right Cheek	0.282	0.452	0.735
		0.994	18.00	13.50		0.124	18.00	15.50	Right Tilt	0.353	0.070	0.422
CA_2A_7A	Ant.31	0.183	24.50	22.50	Ant.11	0.265	18.00	15.50	Left Cheek	0.115	0.149	0.264
		0.082	24.50	22.50		0.074	18.00	15.50	Left Tilt	0.052	0.042	0.093
		0.126	24.50	22.50		0.804	18.00	15.50	Right Cheek	0.080	0.452	0.532
		0.080	24.50	22.50		0.124	18.00	15.50	Right Tilt	0.050	0.070	0.120
CA_4A_5A	Ant.11	0.422	23.50	19.00	Ant.13	0.471	23.00	18.50	Left Cheek	0.150	0.167	0.317
		0.233	23.50	19.00		0.516	23.00	18.50	Left Tilt	0.083	0.183	0.266
		0.897	23.50	19.00		0.861	23.00	18.50	Right Cheek	0.318	0.305	0.624
		0.207	23.50	19.00		0.696	23.00	18.50	Right Tilt	0.073	0.247	0.320
CA_4A_5A	Ant.11	0.422	23.50	19.00	Ant.31	0.224	25.00	23.00	Left Cheek	0.150	0.141	0.291
		0.233	23.50	19.00		0.126	25.00	23.00	Left Tilt	0.083	0.080	0.162
		0.897	23.50	19.00		0.178	25.00	23.00	Right Cheek	0.318	0.112	0.431
		0.207	23.50	19.00		0.094	25.00	23.00	Right Tilt	0.073	0.059	0.133
CA_4A_7A	Ant.13	0.463	17.50	14.00	Ant.11	0.265	18.00	15.50	Left Cheek	0.207	0.149	0.356
		0.574	17.50	14.00		0.074	18.00	15.50	Left Tilt	0.256	0.042	0.298
		0.747	17.50	14.00		0.804	18.00	15.50	Right Cheek	0.334	0.452	<b>0.786</b>
		0.902	17.50	14.00		0.124	18.00	15.50	Right Tilt	0.403	0.070	0.473
CA_4A_7A	Ant.31	0.114	24.50	22.50	Ant.11	0.265	18.00	15.50	Left Cheek	0.072	0.149	0.221
		0.061	24.50	22.50		0.074	18.00	15.50	Left Tilt	0.038	0.042	0.080
		0.070	24.50	22.50		0.804	18.00	15.50	Right Cheek	0.044	0.452	0.496
		0.066	24.50	22.50		0.124	18.00	15.50	Right Tilt	0.042	0.070	0.111
CA_5A_7A	Ant.13	0.471	23.00	18.50	Ant.11	0.265	18.00	15.50	Left Cheek	0.167	0.149	0.316
		0.516	23.00	18.50		0.074	18.00	15.50	Left Tilt	0.183	0.042	0.225
		0.861	23.00	18.50		0.804	18.00	15.50	Right Cheek	0.305	0.452	0.758

		0.696	23.00	18.50		0.124	18.00	15.50	Right Tilt	0.247	0.070	0.317
CA_5A_7A	Ant.31	0.224	25.00	23.00	Ant.11	0.265	18.00	15.50	Left Cheek	0.141	0.149	0.290
		0.126	25.00	23.00		0.074	18.00	15.50	Left Tilt	0.080	0.042	0.121
		0.178	25.00	23.00		0.804	18.00	15.50	Right Cheek	0.112	0.452	0.564
		0.094	25.00	23.00		0.124	18.00	15.50	Right Tilt	0.059	0.070	0.129
CA_5A_66A	Ant.13	0.471	23.00	18.50	Ant.11	0.318	23.50	18.50	Left Cheek	0.167	0.101	0.268
		0.516	23.00	18.50		0.165	23.50	18.50	Left Tilt	0.183	0.052	0.235
		0.861	23.00	18.50		0.820	23.50	18.50	Right Cheek	0.305	0.259	0.565
		0.696	23.00	18.50		0.188	23.50	18.50	Right Tilt	0.247	0.059	0.306
CA_5A_66A	Ant.31	0.224	25.00	23.00	Ant.11	0.318	23.50	18.50	Left Cheek	0.141	0.101	0.242
		0.126	25.00	23.00		0.165	23.50	18.50	Left Tilt	0.080	0.052	0.132
		0.178	25.00	23.00		0.820	23.50	18.50	Right Cheek	0.112	0.259	0.372
		0.094	25.00	23.00		0.188	23.50	18.50	Right Tilt	0.059	0.059	0.119
CA_7A_4A	Ant.13	0.302	13.00	9.00	Ant.11	0.422	23.50	19.00	Left Cheek	0.120	0.150	0.270
		0.404	13.00	9.00		0.233	23.50	19.00	Left Tilt	0.161	0.083	0.244
		0.620	13.00	9.00		0.897	23.50	19.00	Right Cheek	0.247	0.318	0.565
		0.776	13.00	9.00		0.207	23.50	19.00	Right Tilt	0.309	0.073	0.382
CA_7A_4A	Ant.31	0.196	24.00	22.50	Ant.11	0.422	23.50	19.00	Left Cheek	0.139	0.150	0.288
		0.133	24.00	22.50		0.233	23.50	19.00	Left Tilt	0.094	0.083	0.177
		0.331	24.00	22.50		0.897	23.50	19.00	Right Cheek	0.234	0.318	0.553
		0.211	24.00	22.50		0.207	23.50	19.00	Right Tilt	0.149	0.073	0.223

Note:

1: The highest Summed 1g SAR is 0.786 W/Kg &lt; 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

## 13.2.15 Body-Worn Simultaneous Transmission SAR Evaluation for LTE Inter UL CA

Band	LTE Band1 Antenna	4G		UL CA	LTE Band2 Antenna	4G		UL CA	Position	Stand alone SAR		
		LTE Band1 SAR	LTE Band1 Max Power	LTE Band1 Max Power		LTE Band2 SAR	LTE Band2 Max Power	LTE Band2 Max Power		LTE Band1 SAR	LTE Band2 SAR	1
				DSI4				DSI4		DSI4	DSI4	UL CA (Band1+Band2)
CA_2A_4A	Ant.13	0.301	24.50	22.50	Ant.11	0.145	24.50	22.50	Front Side 15mm	0.190	0.091	0.281
		0.224	24.50	22.50		0.146	24.50	22.50	Back Side 15mm	0.141	0.092	0.233
CA_2A_4A	Ant.31	0.259	23.00	21.00	Ant.11	0.145	24.50	22.50	Front Side 15mm	0.163	0.091	0.255
		0.469	23.00	21.00		0.146	24.50	22.50	Back Side 15mm	0.296	0.092	0.388
CA_2A_7A	Ant.13	0.301	24.50	22.50	Ant.11	0.200	24.00	22.50	Front Side 15mm	0.190	0.142	0.332
		0.224	24.50	22.50		0.274	24.00	22.50	Back Side 15mm	0.141	0.194	0.335
CA_2A_7A	Ant.31	0.259	23.00	21.00	Ant.11	0.200	24.00	22.50	Front Side 15mm	0.163	0.142	0.305
		0.469	23.00	21.00		0.274	24.00	22.50	Back Side 15mm	0.296	0.194	0.490
CA_4A_5A	Ant.11	0.145	24.50	22.50	Ant.13	0.128	25.00	23.00	Front Side 15mm	0.091	0.081	0.172
		0.146	24.50	22.50		0.143	25.00	23.00	Back Side 15mm	0.092	0.090	0.182
CA_4A_5A	Ant.11	0.145	24.50	22.50	Ant.31	0.153	25.00	23.00	Front Side 15mm	0.091	0.097	0.188
		0.146	24.50	22.50		0.176	25.00	23.00	Back Side 15mm	0.092	0.111	0.203
CA_4A_7A	Ant.13	0.382	24.50	22.50	Ant.11	0.200	24.00	22.50	Front Side 15mm	0.241	0.142	0.383
		0.252	24.50	22.50		0.274	24.00	22.50	Back Side 15mm	0.159	0.194	0.353
CA_4A_7A	Ant.31	0.133	21.50	19.50	Ant.11	0.200	24.00	22.50	Front Side 15mm	0.084	0.142	0.226
		0.210	21.50	19.50		0.274	24.00	22.50	Back Side 15mm	0.133	0.194	0.326
CA_5A_7A	Ant.13	0.128	25.00	23.00	Ant.11	0.200	24.00	22.50	Front Side 15mm	0.081	0.142	0.222
		0.143	25.00	23.00		0.274	24.00	22.50	Back Side 15mm	0.090	0.194	0.284
CA_5A_7A	Ant.31	0.153	25.00	23.00	Ant.11	0.200	24.00	22.50	Front Side 15mm	0.097	0.142	0.238
		0.176	25.00	23.00		0.274	24.00	22.50	Back Side 15mm	0.111	0.194	0.305
CA_5A_66A	Ant.13	0.128	25.00	23.00	Ant.11	0.126	24.50	22.50	Front Side 15mm	0.081	0.080	0.160
		0.143	25.00	23.00		0.160	24.50	22.50	Back Side 15mm	0.090	0.101	0.191
CA_5A_66A	Ant.31	0.153	25.00	23.00	Ant.11	0.126	24.50	22.50	Front Side 15mm	0.097	0.080	0.176
		0.176	25.00	23.00		0.160	24.50	22.50	Back Side 15mm	0.111	0.101	0.212
CA_7A_4A	Ant.13	0.560	21.50	21.00	Ant.11	0.145	24.50	22.50	Front Side 15mm	0.499	0.091	0.591
		0.701	21.50	21.00		0.146	24.50	22.50	Back Side 15mm	0.625	0.092	<b>0.717</b>
CA_7A_4A	Ant.31	0.151	22.00	20.50	Ant.11	0.145	24.50	22.50	Front Side 15mm	0.107	0.091	0.198
		0.212	22.00	20.50		0.146	24.50	22.50	Back Side 15mm	0.150	0.092	0.242

Note:

1: The highest Summed 1g SAR is 0.717 W/Kg &lt; 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

### 13.2.16 Head Simultaneous Transmission SAR Evaluation for LTE Inter UL CA and WLAN and BT

Band	LTE Band1 Antenna	4G		UL CA	LTE Band2 Antenna	4G		UL CA	Position	Stand alone SAR						SUM SAR	
		LTE Band1 SAR	LTE Band1 Max Power	LTE Band1 Max Power		LTE Band2 SAR	LTE Band2 Max Power	LTE Band2 Max Power		LTE Band1 SAR	LTE Band2 SAR	1	2	3	4	1+2	1+3+4
				DSI3				DSI3				UL CA (Band1+Band2)	2.4GWIFI	5GWIFI Max.	Bluetooth		
CA_2A_4A	Ant.13	0.515	18.00	13.50	Ant.11	0.422	23.50	19.00	Left Cheek	0.183	0.150	0.332	0.879	0.533	0.278	1.211	1.143
		0.715	18.00	13.50		0.233	23.50	19.00	Left Tilt	0.254	0.083	0.336	0.597	0.398	0.260	0.933	0.994
		0.796	18.00	13.50		0.897	23.50	19.00	Right Cheek	0.282	0.318	0.601	0.374	0.174	0.173	0.975	0.948
		0.994	18.00	13.50		0.207	23.50	19.00	Right Tilt	0.353	0.073	0.426	0.403	0.199	0.169	0.829	0.794
CA_2A_4A	Ant.31	0.183	24.50	22.50	Ant.11	0.422	23.50	19.00	Left Cheek	0.115	0.150	0.265	0.879	0.533	0.278	1.144	1.076
		0.082	24.50	22.50		0.233	23.50	19.00	Left Tilt	0.052	0.083	0.134	0.597	0.398	0.260	0.731	0.792
		0.126	24.50	22.50		0.897	23.50	19.00	Right Cheek	0.080	0.318	0.398	0.374	0.174	0.173	0.772	0.745
		0.080	24.50	22.50		0.207	23.50	19.00	Right Tilt	0.050	0.073	0.124	0.403	0.199	0.169	0.527	0.492
CA_2A_7A	Ant.13	0.515	18.00	13.50	Ant.11	0.265	18.00	15.50	Left Cheek	0.183	0.149	0.332	0.879	0.533	0.278	1.211	1.143
		0.715	18.00	13.50		0.074	18.00	15.50	Left Tilt	0.254	0.042	0.295	0.597	0.398	0.260	0.892	0.953
		0.796	18.00	13.50		0.804	18.00	15.50	Right Cheek	0.282	0.452	0.735	0.374	0.174	0.173	1.109	1.082
		0.994	18.00	13.50		0.124	18.00	15.50	Right Tilt	0.353	0.070	0.422	0.403	0.199	0.169	0.825	0.790
CA_2A_7A	Ant.31	0.183	24.50	22.50	Ant.11	0.265	18.00	15.50	Left Cheek	0.115	0.149	0.264	0.879	0.533	0.278	1.143	1.075
		0.082	24.50	22.50		0.074	18.00	15.50	Left Tilt	0.052	0.042	0.093	0.597	0.398	0.260	0.690	0.751
		0.126	24.50	22.50		0.804	18.00	15.50	Right Cheek	0.080	0.452	0.532	0.374	0.174	0.173	0.906	0.879
		0.080	24.50	22.50		0.124	18.00	15.50	Right Tilt	0.050	0.070	0.120	0.403	0.199	0.169	0.523	0.488
CA_4A_5A	Ant.11	0.422	23.50	19.00	Ant.13	0.471	23.00	18.50	Left Cheek	0.150	0.167	0.317	0.879	0.533	0.278	1.196	1.128
		0.233	23.50	19.00		0.516	23.00	18.50	Left Tilt	0.083	0.183	0.266	0.597	0.398	0.260	0.863	0.924
		0.897	23.50	19.00		0.861	23.00	18.50	Right Cheek	0.318	0.305	0.624	0.374	0.174	0.173	0.998	0.971
		0.207	23.50	19.00		0.696	23.00	18.50	Right Tilt	0.073	0.247	0.320	0.403	0.199	0.169	0.723	0.688
CA_4A_5A	Ant.11	0.422	23.50	19.00	Ant.31	0.224	25.00	23.00	Left Cheek	0.150	0.141	0.291	0.879	0.533	0.278	1.170	1.102
		0.233	23.50	19.00		0.126	25.00	23.00	Left Tilt	0.083	0.080	0.162	0.597	0.398	0.260	0.759	0.820
		0.897	23.50	19.00		0.178	25.00	23.00	Right Cheek	0.318	0.112	0.431	0.374	0.174	0.173	0.805	0.778
		0.207	23.50	19.00		0.094	25.00	23.00	Right Tilt	0.073	0.059	0.133	0.403	0.199	0.169	0.536	0.501
CA_4A_7A	Ant.13	0.463	17.50	14.00	Ant.11	0.265	18.00	15.50	Left Cheek	0.207	0.149	0.356	0.879	0.533	0.278	1.235	1.167
		0.574	17.50	14.00		0.074	18.00	15.50	Left Tilt	0.256	0.042	0.298	0.597	0.398	0.260	0.895	0.956
		0.747	17.50	14.00		0.804	18.00	15.50	Right Cheek	0.334	0.452	0.786	0.374	0.174	0.173	1.160	1.133
		0.902	17.50	14.00		0.124	18.00	15.50	Right Tilt	0.403	0.070	0.473	0.403	0.199	0.169	0.876	0.841
CA_4A_7A	Ant.31	0.114	24.50	22.50	Ant.11	0.265	18.00	15.50	Left Cheek	0.072	0.149	0.221	0.879	0.533	0.278	1.100	1.032
		0.061	24.50	22.50		0.074	18.00	15.50	Left Tilt	0.038	0.042	0.080	0.597	0.398	0.260	0.677	0.738
		0.070	24.50	22.50		0.804	18.00	15.50	Right Cheek	0.044	0.452	0.496	0.374	0.174	0.173	0.870	0.843
		0.066	24.50	22.50		0.124	18.00	15.50	Right Tilt	0.042	0.070	0.111	0.403	0.199	0.169	0.514	0.479
CA_5A_7A	Ant.13	0.471	23.00	18.50	Ant.11	0.265	18.00	15.50	Left Cheek	0.167	0.149	0.316	0.879	0.533	0.278	1.195	1.127
		0.516	23.00	18.50		0.074	18.00	15.50	Left Tilt	0.183	0.042	0.225	0.597	0.398	0.260	0.822	0.883

		0.861	23.00	18.50		0.804	18.00	15.50	Right Cheek	0.305	0.452	0.758	0.374	0.174	0.173	1.132	1.105
		0.696	23.00	18.50		0.124	18.00	15.50	Right Tilt	0.247	0.070	0.317	0.403	0.199	0.169	0.720	0.685
CA_5A_7A	Ant.31	0.224	25.00	23.00	Ant.11	0.265	18.00	15.50	Left Cheek	0.141	0.149	0.290	0.879	0.533	0.278	1.169	1.101
		0.126	25.00	23.00		0.074	18.00	15.50	Left Tilt	0.080	0.042	0.121	0.597	0.398	0.260	0.718	0.779
		0.178	25.00	23.00		0.804	18.00	15.50	Right Cheek	0.112	0.452	0.564	0.374	0.174	0.173	0.938	0.911
		0.094	25.00	23.00		0.124	18.00	15.50	Right Tilt	0.059	0.070	0.129	0.403	0.199	0.169	0.532	0.497
CA_5A_66A	Ant.13	0.471	23.00	18.50	Ant.11	0.318	23.50	18.50	Left Cheek	0.167	0.101	0.268	0.879	0.533	0.278	1.147	1.079
		0.516	23.00	18.50		0.165	23.50	18.50	Left Tilt	0.183	0.052	0.235	0.597	0.398	0.260	0.832	0.893
		0.861	23.00	18.50		0.820	23.50	18.50	Right Cheek	0.305	0.259	0.565	0.374	0.174	0.173	0.939	0.912
		0.696	23.00	18.50		0.188	23.50	18.50	Right Tilt	0.247	0.059	0.306	0.403	0.199	0.169	0.709	0.674
CA_5A_66A	Ant.31	0.224	25.00	23.00	Ant.11	0.318	23.50	18.50	Left Cheek	0.141	0.101	0.242	0.879	0.533	0.278	1.121	1.053
		0.126	25.00	23.00		0.165	23.50	18.50	Left Tilt	0.080	0.052	0.132	0.597	0.398	0.260	0.729	0.790
		0.178	25.00	23.00		0.820	23.50	18.50	Right Cheek	0.112	0.259	0.372	0.374	0.174	0.173	0.746	0.719
		0.094	25.00	23.00		0.188	23.50	18.50	Right Tilt	0.059	0.059	0.119	0.403	0.199	0.169	0.522	0.487
CA_7A_4A	Ant.13	0.302	13.00	9.00	Ant.11	0.422	23.50	19.00	Left Cheek	0.120	0.150	0.270	0.879	0.533	0.278	1.149	1.081
		0.404	13.00	9.00		0.233	23.50	19.00	Left Tilt	0.161	0.083	0.244	0.597	0.398	0.260	0.841	0.902
		0.620	13.00	9.00		0.897	23.50	19.00	Right Cheek	0.247	0.318	0.565	0.374	0.174	0.173	0.939	0.912
		0.776	13.00	9.00		0.207	23.50	19.00	Right Tilt	0.309	0.073	0.382	0.403	0.199	0.169	0.785	0.750
CA_7A_4A	Ant.31	0.196	24.00	22.50	Ant.11	0.422	23.50	19.00	Left Cheek	0.139	0.150	0.288	0.879	0.533	0.278	1.167	1.099
		0.133	24.00	22.50		0.233	23.50	19.00	Left Tilt	0.094	0.083	0.177	0.597	0.398	0.260	0.774	0.835
		0.331	24.00	22.50		0.897	23.50	19.00	Right Cheek	0.234	0.318	0.553	0.374	0.174	0.173	0.927	0.900
		0.211	24.00	22.50		0.207	23.50	19.00	Right Tilt	0.149	0.073	0.223	0.403	0.199	0.169	0.626	0.591

Note:

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

2: The highest Summed 1g SAR is 1.235 W/Kg &lt; 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

### 13.2.17 Body-Worn Simultaneous Transmission SAR Evaluation for LTE Inter UL CA and WLAN and BT

Band	LTE Band1 Antenna	4G		UL CA	LTE Band2 Antenna	4G		UL CA	Position	Stand alone SAR						SUM SAR		
		LTE Band1 SAR	LTE Band1 Max Power	LTE Band1 Max Power		LTE Band2 SAR	LTE Band2 Max Power	LTE Band2 Max Power		LTE Band1 SAR	LTE Band2 SAR	1	2	3	4	Bluetooth	1+2	1+3+4
												UL CA (Band1+B and2)	2.4G WIFI	5GWIFI Max.	Bluetooth			
												DSI9/10	DSI9/10	DSI9/10				
CA_2A_4A	Ant.13	0.119	20.50	16.00	Ant.11	0.072	21.50	17.00	Front Side 15mm	0.042	0.026	0.068	0.098	0.123	0.029	0.166	0.220	
		0.089	20.50	16.00		0.074	21.50	17.00	Back Side 15mm	0.032	0.026	0.058	0.094	0.209	0.025	0.152	0.292	
CA_2A_4A	Ant.31	0.115	20.50	18.50	Ant.11	0.072	21.50	17.00	Front Side 15mm	0.073	0.026	0.098	0.098	0.123	0.029	0.196	0.250	
		0.208	20.50	18.50		0.074	21.50	17.00	Back Side 15mm	0.131	0.026	0.157	0.094	0.209	0.025	0.251	0.391	
CA_2A_7A	Ant.13	0.119	20.50	16.00	Ant.11	0.044	18.00	14.00	Front Side 15mm	0.042	0.018	0.060	0.098	0.123	0.029	0.158	0.212	
		0.089	20.50	16.00		0.062	18.00	14.00	Back Side 15mm	0.032	0.025	0.056	0.094	0.209	0.025	0.150	0.290	
CA_2A_7A	Ant.31	0.115	20.50	18.50	Ant.11	0.044	18.00	14.00	Front Side 15mm	0.073	0.018	0.090	0.098	0.123	0.029	0.188	0.242	
		0.208	20.50	18.50		0.062	18.00	14.00	Back Side 15mm	0.131	0.025	0.156	0.094	0.209	0.025	0.250	0.390	
CA_4A_5A	Ant.11	0.072	21.50	17.00	Ant.13	0.128	25.00	22.00	Front Side 15mm	0.026	0.064	0.090	0.098	0.123	0.029	0.188	0.242	
		0.074	21.50	17.00		0.143	25.00	22.00	Back Side 15mm	0.026	0.072	0.098	0.094	0.209	0.025	0.192	0.332	
CA_4A_5A	Ant.11	0.072	21.50	17.00	Ant.31	0.153	25.00	23.00	Front Side 15mm	0.026	0.097	0.122	0.098	0.123	0.029	0.220	0.274	
		0.074	21.50	17.00		0.176	25.00	23.00	Back Side 15mm	0.026	0.111	0.137	0.094	0.209	0.025	0.231	0.371	
CA_4A_7A	Ant.13	0.173	21.00	16.50	Ant.11	0.044	18.00	14.00	Front Side 15mm	0.061	0.018	0.079	0.098	0.123	0.029	0.177	0.231	
		0.114	21.00	16.50		0.062	18.00	14.00	Back Side 15mm	0.040	0.025	0.065	0.094	0.209	0.025	0.159	0.299	
CA_4A_7A	Ant.31	0.103	20.50	18.50	Ant.11	0.044	18.00	14.00	Front Side 15mm	0.065	0.018	0.083	0.098	0.123	0.029	0.181	0.235	
		0.163	20.50	18.50		0.062	18.00	14.00	Back Side 15mm	0.103	0.025	0.128	0.094	0.209	0.025	0.222	0.362	
CA_5A_7A	Ant.13	0.128	25.00	22.00	Ant.11	0.044	18.00	14.00	Front Side 15mm	0.064	0.018	0.082	0.098	0.123	0.029	0.180	0.234	
		0.143	25.00	22.00		0.062	18.00	14.00	Back Side 15mm	0.072	0.025	0.096	0.094	0.209	0.025	0.190	0.330	
CA_5A_7A	Ant.31	0.153	25.00	23.00	Ant.11	0.044	18.00	14.00	Front Side 15mm	0.097	0.018	0.114	0.098	0.123	0.029	0.212	0.266	
		0.176	25.00	23.00		0.062	18.00	14.00	Back Side 15mm	0.111	0.025	0.136	0.094	0.209	0.025	0.230	0.370	
CA_5A_66A	Ant.13	0.128	25.00	22.00	Ant.11	0.074	22.50	18.00	Front Side 15mm	0.064	0.026	0.090	0.098	0.123	0.029	0.188	0.242	
		0.143	25.00	22.00		0.094	22.50	18.00	Back Side 15mm	0.072	0.033	0.105	0.094	0.209	0.025	0.199	0.339	
CA_5A_66A	Ant.31	0.153	25.00	23.00	Ant.11	0.074	22.50	18.00	Front Side 15mm	0.097	0.026	0.123	0.098	0.123	0.029	0.221	0.275	
		0.176	25.00	23.00		0.094	22.50	18.00	Back Side 15mm	0.111	0.033	0.144	0.094	0.209	0.025	0.238	0.378	
CA_7A_4A	Ant.13	0.086	14.50	10.50	Ant.11	0.072	21.50	17.00	Front Side 15mm	0.034	0.026	0.060	0.098	0.123	0.029	0.158	0.212	
		0.129	14.50	10.50		0.074	21.50	17.00	Back Side 15mm	0.051	0.026	0.078	0.094	0.209	0.025	0.172	0.312	
CA_7A_4A	Ant.31	0.151	22.00	20.50	Ant.11	0.072	21.50	17.00	Front Side 15mm	0.107	0.026	0.132	0.098	0.123	0.029	0.230	0.284	
		0.212	22.00	20.50		0.074	21.50	17.00	Back Side 15mm	0.150	0.026	0.176	0.094	0.209	0.025	0.270	0.410	
Note:																		
1: The simultaneous transmission combinations of the multiple antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.																		
2: The highest Summed 1g SAR is 0.410 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.																		

### 13.2.18 Hotspot Simultaneous Transmission SAR Evaluation for LTE Inter UL CA and WLAN and BT

Band	LTE Band1 Antenna	4G		UL CA	LTE Band2 Antenna	4G		UL CA	Position	Stand alone SAR						SUM SAR	
		LTE	LTE	LTE		LTE	LTE	LTE		LTE	LTE	1	2	3	4		
		Band1	Band1	Band1		Band2	Band2	Band2		Band1	Band2	UL CA	2.4GWIFI	5GWIFI	Bluetooth		
		SAR	Max Power	Max Power		SAR	Max Power	Max Power		SAR	SAR	(Band1+Band2)	2.4GWIFI	Max.	Bluetooth	1+2	1+3+4
				DSI10				DSI10		DSI10	DSI10	DSI10	Level4	Level4			
CA_2A_4A	Ant.13	0.260	20.50	16.00	Ant.11	0.140	21.50	17.00	Front Side 10mm	0.092	0.050	0.142	0.182	0.092	0.044	0.324	0.278
		0.194	20.50	16.00		0.186	21.50	17.00	Back Side 10mm	0.069	0.066	0.135	0.177	0.176	0.044	0.312	0.355
		0.087	20.50	16.00		0.000	21.50	17.00	Left Edge 10mm	0.031	0.000	0.031	0.154	0.123	0.038	0.185	0.192
		0.000	20.50	16.00		0.338	21.50	17.00	Right Edge 10mm	0.000	0.120	0.120	0.000	0.000	0.000	0.120	0.120
		0.533	20.50	16.00		0.058	21.50	17.00	Top Edge 10mm	0.189	0.021	0.210	0.261	0.231	0.064	0.471	0.505
		0.000	20.50	16.00		0.000	21.50	17.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CA_2A_4A	Ant.31	0.224	20.50	18.50	Ant.11	0.140	21.50	17.00	Front Side 10mm	0.141	0.050	0.191	0.182	0.092	0.044	0.373	0.327
		0.408	20.50	18.50		0.186	21.50	17.00	Back Side 10mm	0.257	0.066	0.323	0.177	0.176	0.044	0.500	0.543
		0.129	20.50	18.50		0.000	21.50	17.00	Left Edge 10mm	0.081	0.000	0.081	0.154	0.123	0.038	0.235	0.242
		0.037	20.50	18.50		0.338	21.50	17.00	Right Edge 10mm	0.023	0.120	0.143	0.000	0.000	0.000	0.143	0.143
		0.000	20.50	18.50		0.058	21.50	17.00	Top Edge 10mm	0.000	0.021	0.021	0.261	0.231	0.064	0.282	0.316
		0.784	20.50	18.50		0.000	21.50	17.00	Bottom Edge 10mm	0.495	0.000	0.495	0.000	0.000	0.000	0.495	0.495
CA_2A_7A	Ant.13	0.260	20.50	16.00	Ant.11	0.089	18.00	14.00	Front Side 10mm	0.092	0.035	0.128	0.182	0.092	0.044	0.310	0.264
		0.194	20.50	16.00		0.131	18.00	14.00	Back Side 10mm	0.069	0.052	0.121	0.177	0.176	0.044	0.298	0.341
		0.087	20.50	16.00		0.000	18.00	14.00	Left Edge 10mm	0.031	0.000	0.031	0.154	0.123	0.038	0.185	0.192
		0.000	20.50	16.00		0.332	18.00	14.00	Right Edge 10mm	0.000	0.132	0.132	0.000	0.000	0.000	0.132	0.132
		0.533	20.50	16.00		0.047	18.00	14.00	Top Edge 10mm	0.189	0.019	0.208	0.261	0.231	0.064	0.469	0.503
		0.000	20.50	16.00		0.000	18.00	14.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CA_2A_7A	Ant.31	0.224	20.50	18.50	Ant.11	0.089	18.00	14.00	Front Side 10mm	0.141	0.035	0.177	0.182	0.092	0.044	0.359	0.313
		0.408	20.50	18.50		0.131	18.00	14.00	Back Side 10mm	0.257	0.052	0.310	0.177	0.176	0.044	0.487	0.530
		0.129	20.50	18.50		0.000	18.00	14.00	Left Edge 10mm	0.081	0.000	0.081	0.154	0.123	0.038	0.235	0.242
		0.037	20.50	18.50		0.332	18.00	14.00	Right Edge 10mm	0.023	0.132	0.156	0.000	0.000	0.000	0.156	0.156
		0.000	20.50	18.50		0.047	18.00	14.00	Top Edge 10mm	0.000	0.019	0.019	0.261	0.231	0.064	0.280	0.314
		0.784	20.50	18.50		0.000	18.00	14.00	Bottom Edge 10mm	0.495	0.000	0.495	0.000	0.000	0.000	0.495	0.495
CA_4A_5A	Ant.11	0.140	21.50	17.00	Ant.13	0.191	25.00	22.00	Front Side 10mm	0.050	0.096	0.145	0.182	0.092	0.044	0.327	0.281
		0.186	21.50	17.00		0.162	25.00	22.00	Back Side 10mm	0.066	0.081	0.147	0.177	0.176	0.044	0.324	0.367
		0.000	21.50	17.00		0.000	25.00	22.00	Left Edge 10mm	0.000	0.000	0.000	0.154	0.123	0.038	0.154	0.161
		0.338	21.50	17.00		0.077	25.00	22.00	Right Edge 10mm	0.120	0.039	0.159	0.000	0.000	0.000	0.159	0.159
		0.058	21.50	17.00		0.256	25.00	22.00	Top Edge 10mm	0.021	0.128	0.149	0.261	0.231	0.064	0.410	0.444
		0.000	21.50	17.00		0.000	25.00	22.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CA_4A_5A	Ant.11	0.140	21.50	17.00	Ant.31	0.143	25.00	23.00	Front Side 10mm	0.050	0.090	0.140	0.182	0.092	0.044	0.322	0.276
		0.186	21.50	17.00		0.296	25.00	23.00	Back Side 10mm	0.066	0.187	0.253	0.177	0.176	0.044	0.430	0.473
		0.000	21.50	17.00		0.074	25.00	23.00	Left Edge 10mm	0.000	0.047	0.047	0.154	0.123	0.038	0.201	0.208
		0.338	21.50	17.00		0.126	25.00	23.00	Right Edge 10mm	0.120	0.080	0.199	0.000	0.000	0.000	0.199	0.199



		0.058	21.50	17.00		0.000	25.00	23.00	Top Edge 10mm	0.021	0.000	0.021	0.261	0.231	0.064	0.282	0.316
		0.000	21.50	17.00		0.195	25.00	23.00	Bottom Edge 10mm	0.000	0.123	0.123	0.000	0.000	0.000	0.123	0.123
CA_4A_7A	Ant.13	0.303	21.00	16.50	Ant.11	0.089	18.00	14.00	Front Side 10mm	0.108	0.035	0.143	0.182	0.092	0.044	0.325	0.279
		0.226	21.00	16.50		0.131	18.00	14.00	Back Side 10mm	0.080	0.052	0.132	0.177	0.176	0.044	0.309	0.352
		0.000	21.00	16.50		0.000	18.00	14.00	Left Edge 10mm	0.000	0.000	0.000	0.154	0.123	0.038	0.154	0.161
		0.064	21.00	16.50		0.332	18.00	14.00	Right Edge 10mm	0.023	0.132	0.155	0.000	0.000	0.000	0.155	0.155
		0.526	21.00	16.50		0.047	18.00	14.00	Top Edge 10mm	0.187	0.019	0.205	0.261	0.231	0.064	0.466	0.500
		0.000	21.00	16.50		0.000	18.00	14.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CA_4A_7A	Ant.31	0.195	20.50	18.50	Ant.11	0.089	18.00	14.00	Front Side 10mm	0.123	0.035	0.158	0.182	0.092	0.044	0.340	0.294
		0.346	20.50	18.50		0.131	18.00	14.00	Back Side 10mm	0.218	0.052	0.270	0.177	0.176	0.044	0.447	0.490
		0.073	20.50	18.50		0.000	18.00	14.00	Left Edge 10mm	0.046	0.000	0.046	0.154	0.123	0.038	0.200	0.207
		0.042	20.50	18.50		0.332	18.00	14.00	Right Edge 10mm	0.027	0.132	0.159	0.000	0.000	0.000	0.159	0.159
		0.000	20.50	18.50		0.047	18.00	14.00	Top Edge 10mm	0.000	0.019	0.019	0.261	0.231	0.064	0.280	0.314
		0.604	20.50	18.50		0.000	18.00	14.00	Bottom Edge 10mm	0.381	0.000	0.381	0.000	0.000	0.000	0.381	0.381
CA_5A_7A	Ant.13	0.191	25.00	22.00	Ant.11	0.089	18.00	14.00	Front Side 10mm	0.096	0.035	0.131	0.182	0.092	0.044	0.313	0.267
		0.162	25.00	22.00		0.131	18.00	14.00	Back Side 10mm	0.081	0.052	0.133	0.177	0.176	0.044	0.310	0.353
		0.000	25.00	22.00		0.000	18.00	14.00	Left Edge 10mm	0.000	0.000	0.000	0.154	0.123	0.038	0.154	0.161
		0.077	25.00	22.00		0.332	18.00	14.00	Right Edge 10mm	0.039	0.132	0.171	0.000	0.000	0.000	0.171	0.171
		0.256	25.00	22.00		0.047	18.00	14.00	Top Edge 10mm	0.128	0.019	0.147	0.261	0.231	0.064	0.408	0.442
		0.000	25.00	22.00		0.000	18.00	14.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CA_5A_7A	Ant.31	0.143	25.00	23.00	Ant.11	0.089	18.00	14.00	Front Side 10mm	0.090	0.035	0.126	0.182	0.092	0.044	0.308	0.262
		0.296	25.00	23.00		0.131	18.00	14.00	Back Side 10mm	0.187	0.052	0.239	0.177	0.176	0.044	0.416	0.459
		0.074	25.00	23.00		0.000	18.00	14.00	Left Edge 10mm	0.047	0.000	0.047	0.154	0.123	0.038	0.201	0.208
		0.126	25.00	23.00		0.332	18.00	14.00	Right Edge 10mm	0.080	0.132	0.212	0.000	0.000	0.000	0.212	0.212
		0.000	25.00	23.00		0.047	18.00	14.00	Top Edge 10mm	0.000	0.019	0.019	0.261	0.231	0.064	0.280	0.314
		0.195	25.00	23.00		0.000	18.00	14.00	Bottom Edge 10mm	0.123	0.000	0.123	0.000	0.000	0.000	0.123	0.123
CA_5A_66A	Ant.13	0.191	25.00	22.00	Ant.11	0.166	22.50	18.00	Front Side 10mm	0.096	0.059	0.155	0.182	0.092	0.044	0.337	0.291
		0.162	25.00	22.00		0.232	22.50	18.00	Back Side 10mm	0.081	0.082	0.164	0.177	0.176	0.044	0.341	0.384
		0.000	25.00	22.00		0.000	22.50	18.00	Left Edge 10mm	0.000	0.000	0.000	0.154	0.123	0.038	0.154	0.161
		0.077	25.00	22.00		0.409	22.50	18.00	Right Edge 10mm	0.039	0.145	0.184	0.000	0.000	0.000	0.184	0.184
		0.256	25.00	22.00		0.043	22.50	18.00	Top Edge 10mm	0.128	0.015	0.144	0.261	0.231	0.064	0.405	0.439
		0.000	25.00	22.00		0.000	22.50	18.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CA_5A_66A	Ant.31	0.143	25.00	23.00	Ant.11	0.166	22.50	18.00	Front Side 10mm	0.090	0.059	0.149	0.182	0.092	0.044	0.331	0.285
		0.296	25.00	23.00		0.232	22.50	18.00	Back Side 10mm	0.187	0.082	0.269	0.177	0.176	0.044	0.446	0.489
		0.074	25.00	23.00		0.000	22.50	18.00	Left Edge 10mm	0.047	0.000	0.047	0.154	0.123	0.038	0.201	0.208
		0.126	25.00	23.00		0.409	22.50	18.00	Right Edge 10mm	0.080	0.145	0.225	0.000	0.000	0.000	0.225	0.225
		0.000	25.00	23.00		0.043	22.50	18.00	Top Edge 10mm	0.000	0.015	0.015	0.261	0.231	0.064	0.276	0.310
		0.195	25.00	23.00		0.000	22.50	18.00	Bottom Edge 10mm	0.123	0.000	0.123	0.000	0.000	0.000	0.123	0.123
CA_7A_4A	Ant.13	0.140	14.50	10.50	Ant.11	0.140	21.50	17.00	Front Side 10mm	0.056	0.050	0.105	0.182	0.092	0.044	0.287	0.241
		0.209	14.50	10.50		0.186	21.50	17.00	Back Side 10mm	0.083	0.066	0.149	0.177	0.176	0.044	0.326	0.369
		0.000	14.50	10.50		0.000	21.50	17.00	Left Edge 10mm	0.000	0.000	0.000	0.154	0.123	0.038	0.154	0.161
		0.048	14.50	10.50		0.338	21.50	17.00	Right Edge 10mm	0.019	0.120	0.139	0.000	0.000	0.000	0.139	0.139
		0.628	14.50	10.50		0.058	21.50	17.00	Top Edge 10mm	0.250	0.021	0.271	0.261	0.231	0.064	0.532	0.566

		0.000	14.50	10.50		0.000	21.50	17.00	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CA_7A_4A	Ant.31	0.394	22.00	20.50	Ant.11	0.140	21.50	17.00	Front Side 10mm	0.279	0.050	0.329	0.182	0.092	0.044	0.511	0.465
		0.536	22.00	20.50		0.186	21.50	17.00	Back Side 10mm	0.379	0.066	0.445	0.177	0.176	0.044	0.622	0.665
		0.215	22.00	20.50		0.000	21.50	17.00	Left Edge 10mm	0.152	0.000	0.152	0.154	0.123	0.038	0.306	0.313
		0.052	22.00	20.50		0.338	21.50	17.00	Right Edge 10mm	0.037	0.120	0.157	0.000	0.000	0.000	0.157	0.157
		0.000	22.00	20.50		0.058	21.50	17.00	Top Edge 10mm	0.000	0.021	0.021	0.261	0.231	0.064	0.282	0.316
		0.243	22.00	20.50		0.000	21.50	17.00	Bottom Edge 10mm	0.172	0.000	0.172	0.000	0.000	0.000	0.172	0.172
Note:																	
1: The simultaneous transmission combinations of the multiple antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.																	
2: The highest Summed 1g SAR is 0.665 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.																	

## 14 TEST EQUIPMENTS LIST

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
PC	Dell	N/A	N/A	N/A	N/A
Test Software	Speag	DASY5	52.8.8.1222	N/A	N/A
Test Software	Speag	DASY8	16.2.2.1588	N/A	N/A
750MHz Validation Dipole	Speag	D750V3	SN: 1208	2024/08/19	2027/08/18
835MHz Validation Dipole	Speag	D835V2	SN: 4d187	2024/05/08	2027/05/07
1750MHz Validation Dipole	Speag	D1750V2	SN: 1130	2024/05/08	2027/05/07
1950MHz Validation Dipole	Speag	D1950V3	SN: 1240	2024/08/22	2027/08/21
2450MHz Validation Dipole	Speag	D2450V2	SN: 952	2024/05/07	2027/05/06
2600MHz Validation Dipole	Speag	D2600V2	SN: 1095	2024/05/08	2027/05/07
3500MHz Validation Dipole	Speag	D3500V2	SN: 1129	2024/07/19	2027/07/18
3700MHz Validation Dipole	Speag	D3700V2	SN: 1101	2024/07/18	2027/07/17
3900MHz Validation Dipole	Speag	D3900V2	SN: 1077	2024/07/19	2027/07/18
5GHz Validation Dipole	Speag	D5GHzV2	SN: 1200	2024/05/09	2027/05/08
Data Acquisition Electronics	Speag	DAE4	SN: 1711	2024/03/18	2025/03/17
Data Acquisition Electronics	Speag	DAE4	SN: 540	2024/02/22	2025/02/21
Data Acquisition Electronics	Speag	DAE4	SN: 905	2024/06/28	2025/06/27
E-Field Probe	Speag	EX3DV4	SN: 3748	2024/04/12	2025/04/11
E-Field Probe	Speag	EX3DV4	SN: 7893	2024/09/05	2025/09/04
E-Field Probe	Speag	EX3DV4	SN: 7510	2024/06/25	2025/06/24
Signal Generator	R&S	SMB100A	177746	2024/04/24	2025/04/23
Power Meter	R&S	NRVD-B2	835843/014	2024/08/08	2025/08/07
Power Sensor	R&S	NRV-Z4	100381	2024/08/08	2025/08/07
Power Sensor	R&S	NRV-Z2	100211	2024/08/08	2025/08/07
Wireless Communication Test Set	Anritsu	MT8820C	6201144551	2024/05/14	2025/05/13
Wireless Communication Test Set	Anritsu	MT8820C	6201502974	2024/08/01	2025/07/31
Wireless Communication Test Set	R&S	CMW500	104946	2024/06/24	2025/06/23
Network Analyzer	Agilent	E5071C	MY46103472	2024/09/11	2025/09/10
Thermometer	Elitech	RC-4HC	EF7216002985	2024/10/31	2025/10/30
Thermometer	Elitech	RC-4HC	EF720B004811	2024/10/31	2025/10/30
Thermometer	Elitech	RC-4HC	EF7239002655	2024/10/31	2025/10/30
Thermometer	Elitech	RC-4HC	EF7216002974	2024/10/31	2025/10/30
Thermometer	Elitech	RC-4HC	EF720B004813	2024/10/24	2025/10/23
Thermometer	Elitech	RC-4HC	EF720B004817	2024/10/24	2025/10/23
Power Amplifier	Mini-Circuits	ZVA-183W-S+	932502132	N/A	N/A
Dielectric Probe Kit	Speag	DAK3.5	SN: 1312	N/A	N/A
Phantom	Speag	SAM	SN: 2090	N/A	N/A
Phantom	Speag	SAM	SN: 1576	N/A	N/A
Phantom	Speag	SAM	SN: 1859	N/A	N/A
Attenuator	COM-MW	ZA-S1-31	1305003187	N/A	N/A

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
Directional coupler	AA-MCS	AAMCS-UDC	000272	N/A	N/A
<p>Note: For dipole antennas, BALUN has adopted 3 years as calibration intervals, and on annual basis, every measurement dipole has been evaluated and is in compliance with the following criteria:</p> <ol style="list-style-type: none"><li>1. There is no physical damage on the dipole;</li><li>2. System validation with specific dipole is within 10% of calibrated value;</li><li>3. Return-loss in within 20% of calibrated measurement.</li><li>4. Impedance (real or imaginary parts) in within 5 Ohms of calibrated measurement.</li></ol>					

## ANNEX A SIMULATING LIQUID VERIFICATION RESULT

The dielectric parameters of the liquids were verified prior to the SAR evaluation using a DAK3.5 Dielectric Probe Kit.

Head Liquid -DASY5

Date	Liquid Type	Fre. (MHz)	Temp. (°C)	Meas. Conductivity ( $\sigma$ ) (S/m)	Meas. Permittivity ( $\epsilon$ )	Target Conductivity ( $\sigma$ ) (S/m)	Target Permittivity ( $\epsilon$ )	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2025.01.15	Head	750	21.4	0.90	41.82	0.89	41.94	1.12	-0.29
2025.01.16	Head	750	21.3	0.91	41.62	0.89	41.94	2.25	-0.76
2025.01.09	Head	835	21.4	0.90	41.70	0.90	41.50	0.00	0.48
2025.01.10	Head	835	21.2	0.90	41.42	0.90	41.50	0.00	-0.19
2025.01.11	Head	835	21.3	0.89	41.63	0.90	41.50	-1.11	0.31
2025.01.12	Head	835	21.6	0.90	41.54	0.90	41.50	0.00	0.10
2025.01.15	Head	835	21.2	0.91	41.34	0.90	41.50	1.11	-0.39
2025.01.16	Head	1750	21.1	1.38	39.69	1.37	40.08	0.73	-0.97
2025.01.17	Head	1750	21.3	1.41	39.26	1.37	40.08	2.92	-2.05
2025.01.18	Head	1750	21.4	1.39	39.39	1.37	40.08	1.46	-1.72
2025.01.19	Head	1750	21.5	1.38	39.81	1.37	40.08	0.73	-0.67
2025.01.20	Head	1750	21.5	1.38	39.89	1.37	40.08	0.73	-0.47
2025.01.17	Head	1750	21.2	1.38	40.48	1.37	40.08	0.73	1.00
2025.01.21	Head	1950	21.3	1.42	39.14	1.40	40.00	1.43	-2.15
2025.01.22	Head	1950	21.2	1.42	39.41	1.40	40.00	1.43	-1.48
2025.01.23	Head	1950	21.1	1.42	39.54	1.40	40.00	1.43	-1.15
2025.01.24	Head	1950	21.3	1.40	39.53	1.40	40.00	0.00	-1.18
2025.01.18	Head	1950	21.2	1.43	40.52	1.40	40.00	2.14	1.30

Note:

1. The tolerance limit of Conductivity and Permittivity is  $\pm 5\%$ .
2. The system check frequency of 2025.01.17 was 1750MHz on the same day of the two DASY5 systems.

## Head Liquid -DASY8

Date	Liquid Type	Fre. (MHz)	Temp. (°C)	Meas. Conductivity ( $\sigma$ ) (S/m)	Meas. Permittivity ( $\epsilon$ )	Target Conductivity ( $\sigma$ ) (S/m)	Target Permittivity ( $\epsilon$ )	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2025.01.04	Head	2600	21.4	1.93	38.47	1.96	39.01	-1.53	-1.38
2025.01.05	Head	2600	21.5	1.96	38.21	1.96	39.01	0.00	-2.05
2025.01.06	Head	2600	21.7	1.94	38.25	1.96	39.01	-1.02	-1.95
2025.01.09	Head	2600	21.8	1.99	37.86	1.96	39.01	1.53	-2.95
2025.01.10	Head	2600	21.5	1.97	38.09	1.96	39.01	0.51	-2.36
2025.01.11	Head	2600	21.4	1.97	39.80	1.96	39.01	0.51	2.03
2025.01.16	Head	2600	21.3	1.99	39.68	1.96	39.01	1.53	1.72
2025.01.17	Head	2600	21.2	1.94	38.91	1.96	39.01	-1.02	-0.26
2025.01.18	Head	2600	21.6	2.00	37.70	1.96	39.01	2.04	-3.36
2025.01.12	Head	3500	21.5	2.87	37.39	2.91	37.93	-1.37	-1.42
2025.01.13	Head	3500	21.4	2.82	38.32	2.91	37.93	-3.09	1.03
2025.01.14	Head	3500	21.5	2.83	38.32	2.91	37.93	-2.75	1.03
2025.01.15	Head	3500	21.6	2.87	37.90	2.91	37.93	-1.37	-0.08
2025.01.21	Head	3700	21.5	3.12	37.44	3.12	37.70	0.00	-0.69
2025.01.22	Head	3700	21.4	3.09	37.70	3.12	37.70	-0.96	0.00
2025.01.23	Head	3700	21.6	3.07	38.33	3.12	37.70	-1.60	1.67
2025.01.24	Head	3700	21.4	3.01	37.81	3.12	37.70	-3.53	0.29
2025.01.19	Head	3900	21.6	3.25	37.54	3.32	37.47	-2.11	0.19
2025.01.20	Head	3900	21.5	3.30	37.13	3.32	37.47	-0.60	-0.91
2025.01.21	Head	2450	21.7	1.80	38.87	1.80	39.20	0.00	-0.84
2025.01.22	Head	5250	21.2	4.64	35.84	4.71	35.93	-1.49	-0.25
2025.01.23	Head	5600	21.7	5.00	34.83	5.07	35.53	-1.38	-1.97
2025.01.24	Head	5750	21.5	5.19	35.42	5.22	35.36	-0.57	0.17
Note: The tolerance limit of Conductivity and Permittivity is $\pm 5\%$ .									

## ANNEX B SYSTEM CHECK RESULT

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

Head liquid 1g-DASY5

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2025.01.15	Head	750	100	0.84	8.43	8.46	-0.35
2025.01.16	Head	750	100	0.85	8.48	8.46	0.24
2025.01.09	Head	835	100	0.98	9.79	9.74	0.51
2025.01.10	Head	835	100	0.97	9.68	9.74	-0.62
2025.01.11	Head	835	100	0.97	9.71	9.74	-0.31
2025.01.12	Head	835	100	0.96	9.62	9.74	-1.23
2025.01.15	Head	835	100	0.97	9.66	9.74	-0.82
2025.01.16	Head	1750	100	3.78	37.80	37.00	2.16
2025.01.17	Head	1750	100	3.72	37.20	37.00	0.54
2025.01.18	Head	1750	100	3.84	38.40	37.00	3.78
2025.01.19	Head	1750	100	3.79	37.90	37.00	2.43
2025.01.20	Head	1750	100	3.77	37.70	37.00	1.89
2025.01.17	Head	1750	100	3.71	37.10	37.00	0.27
2025.01.21	Head	1950	100	4.23	42.30	41.70	1.44
2025.01.22	Head	1950	100	4.15	41.50	41.70	-0.48
2025.01.23	Head	1950	100	4.19	41.90	41.70	0.48
2025.01.24	Head	1950	100	4.28	42.80	41.70	2.64
2025.01.18	Head	1950	100	4.25	42.50	41.70	1.92

Note:

1. The tolerance limit of System validation  $\pm 10\%$ .
2. The system check frequency of 2025.01.17 was 1750MHz on the same day of the two DASY5 systems.

## Head liquid 1g-DASY8

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2025.01.04	Head	2600	100	5.55	55.50	55.90	-0.72
2025.01.05	Head	2600	100	5.65	56.50	55.90	1.07
2025.01.06	Head	2600	100	5.68	56.80	55.90	1.61
2025.01.09	Head	2600	100	5.58	55.80	55.90	-0.18
2025.01.10	Head	2600	100	5.71	57.10	55.90	2.15
2025.01.11	Head	2600	100	5.73	57.30	55.90	2.50
2025.01.16	Head	2600	100	5.75	57.50	55.90	2.86
2025.01.17	Head	2600	100	5.81	58.10	55.90	3.94
2025.01.18	Head	2600	100	5.85	58.50	55.90	4.65
2025.01.12	Head	3500	100	6.86	68.60	68.00	0.88
2025.01.13	Head	3500	100	6.84	68.40	68.00	0.59
2025.01.14	Head	3500	100	6.88	68.80	68.00	1.18
2025.01.15	Head	3500	100	6.91	69.10	68.00	1.62
2025.01.21	Head	3700	100	6.81	68.10	66.70	2.10
2025.01.22	Head	3700	100	6.74	67.40	66.70	1.05
2025.01.23	Head	3700	100	6.77	67.70	66.70	1.50
2025.01.24	Head	3700	100	6.68	66.80	66.70	0.15
2025.01.19	Head	3900	100	6.84	68.40	67.60	1.18
2025.01.20	Head	3900	100	6.89	68.90	67.60	1.92
2025.01.21	Head	2450	100	5.34	53.40	52.60	1.52
2025.01.22	Head	5250	100	7.95	79.50	77.70	2.32
2025.01.23	Head	5600	100	8.53	85.30	81.30	4.92
2025.01.24	Head	5750	100	8.09	80.90	77.60	4.25

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



## Head liquid 10g-DASY5

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2025.01.16	Head	1750	100	1.99	19.90	19.70	1.02
2025.01.17	Head	1750	100	1.94	19.40	19.70	-1.52
2025.01.18	Head	1750	100	2.01	20.10	19.70	2.03
2025.01.19	Head	1750	100	1.96	19.60	19.70	-0.51
2025.01.20	Head	1750	100	1.98	19.80	19.70	0.51
2025.01.21	Head	1950	100	2.21	22.10	21.70	1.84
2025.01.22	Head	1950	100	2.18	21.80	21.70	0.46
2025.01.23	Head	1950	100	2.19	21.90	21.70	0.92
2025.01.24	Head	1950	100	2.24	22.40	21.70	3.23
2025.01.18	Head	1950	100	2.23	22.30	21.70	2.76
Note: The tolerance limit of System validation $\pm 10\%$ .							

## Head liquid 10g-DASY8

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2025.01.04	Head	2600	100	2.58	25.80	25.40	1.57
2025.01.05	Head	2600	100	2.62	26.20	25.40	3.15
2025.01.06	Head	2600	100	2.55	25.50	25.40	0.39
2025.01.09	Head	2600	100	2.54	25.40	25.40	0.00
2025.01.10	Head	2600	100	2.61	26.10	25.40	2.76
2025.01.11	Head	2600	100	2.57	25.70	25.40	1.18
2025.01.16	Head	2600	100	2.63	26.30	25.40	3.54
2025.01.17	Head	2600	100	2.68	26.80	25.40	5.51
2025.01.18	Head	2600	100	2.66	26.60	25.40	4.72
2025.01.12	Head	3500	100	2.64	26.40	26.10	1.15
2025.01.13	Head	3500	100	2.63	26.30	26.10	0.77
2025.01.14	Head	3500	100	2.69	26.90	26.10	3.07
2025.01.15	Head	3500	100	2.64	26.40	26.10	1.15
2025.01.21	Head	3700	100	2.59	25.90	24.60	5.28
2025.01.22	Head	3700	100	2.51	25.10	24.60	2.03
2025.01.23	Head	3700	100	2.56	25.60	24.60	4.07
2025.01.24	Head	3700	100	2.45	24.50	24.60	-0.41
2025.01.19	Head	3900	100	2.37	23.70	23.60	0.42
2025.01.20	Head	3900	100	2.35	23.50	23.60	-0.42
2025.01.21	Head	2450	100	2.55	25.50	24.70	3.24
2025.01.22	Head	5250	100	2.17	21.70	22.00	-1.36
2025.01.23	Head	5600	100	2.31	23.10	23.10	0.00
Note: The tolerance limit of System validation $\pm 10\%$ .							

## System Performance Check Data (750MHz -DASY5)

Date: 2025.01.15

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

Medium parameters used:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.902 \text{ S/m}$ ;  $\epsilon_r = 41.819$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.29, 10.29, 10.29); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2024.06.28
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**CW750/Area Scan (61x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.939 W/kg

**CW750/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 34.69 V/m; Power Drift = -0.05 dB

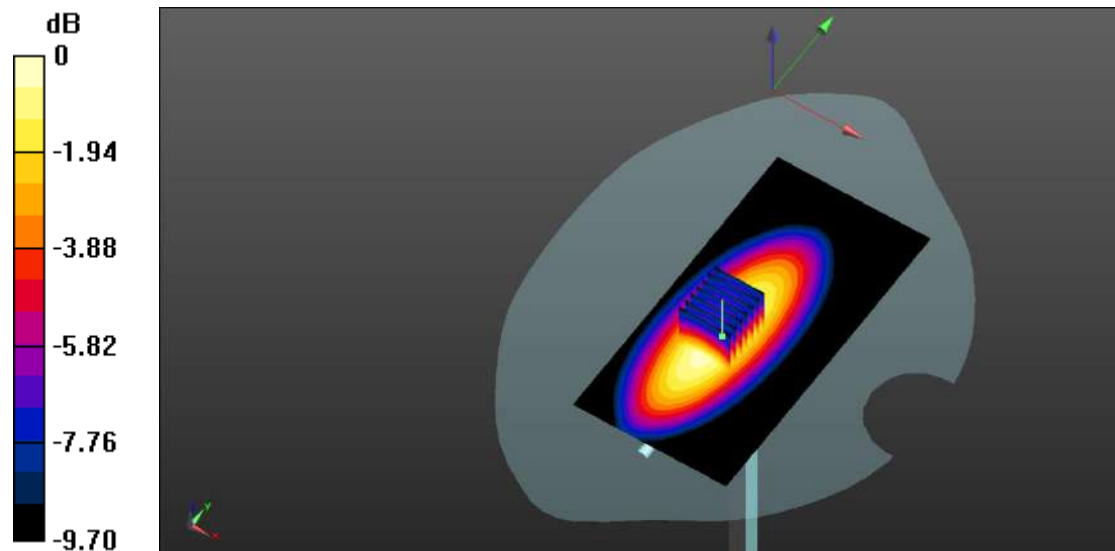
Peak SAR (extrapolated) = 1.21 W/kg

**SAR(1 g) = 0.843 W/kg; SAR(10 g) = 0.569 W/kg**

Smallest distance from peaks to all points 3 dB below = 20.5 mm

Ratio of SAR at M2 to SAR at M1 = 69.5%

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



0 dB = 0.900 W/kg

## System Performance Check Data (750MHz -DASY5)

Date: 2025.01.16

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

Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.907$  S/m;  $\epsilon_r = 41.623$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.29, 10.29, 10.29); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2024.06.28
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**CW750/Area Scan (61x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.982 W/kg

**CW750/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 33.29 V/m; Power Drift = -0.06 dB

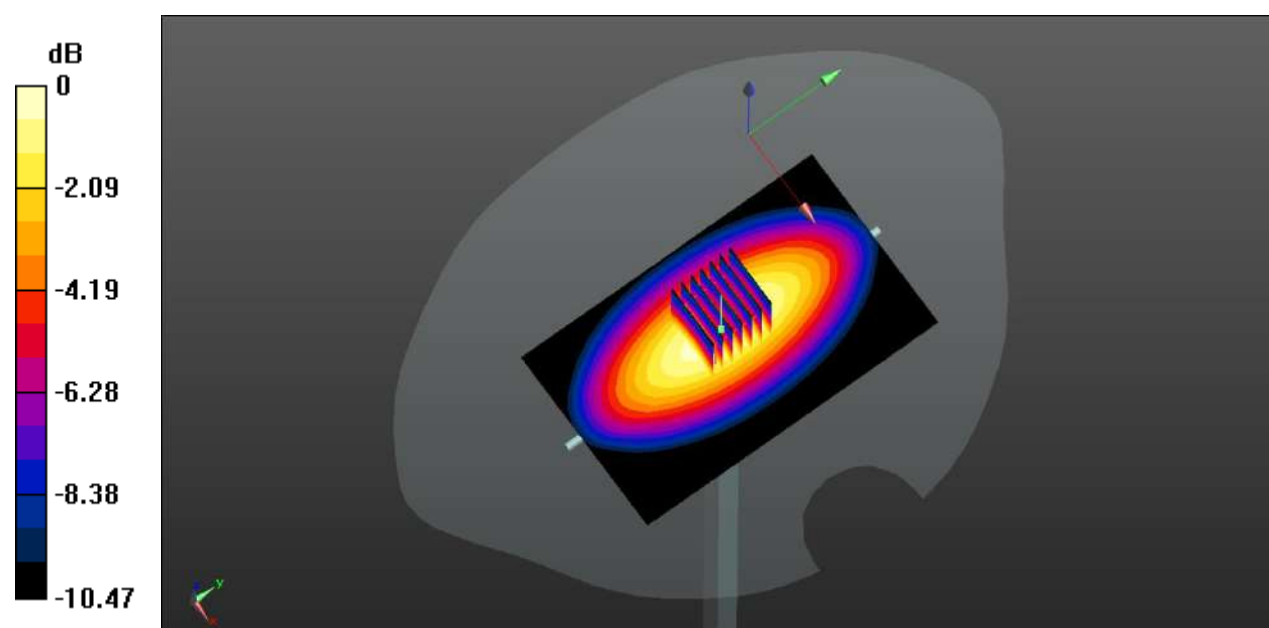
Peak SAR (extrapolated) = 1.45 W/kg

**SAR(1 g) = 0.848 W/kg; SAR(10 g) = 0.572 W/kg**

Smallest distance from peaks to all points 3 dB below = 20.8 mm

Ratio of SAR at M2 to SAR at M1 = 67.3%

Maximum value of SAR (measured) = 0.954 W/kg



0 dB = 0.954 W/kg

## System Performance Check Data (835MHz -DASY5)

Date: 2025.01.09

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

Medium parameters used (interpolated):  $f = 835 \text{ MHz}$ ;  $\sigma = 0.902 \text{ S/m}$ ;  $\epsilon_r = 41.699$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**CW835/Area Scan (61x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

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

**CW835/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 35.20 V/m; Power Drift = -0.08 dB

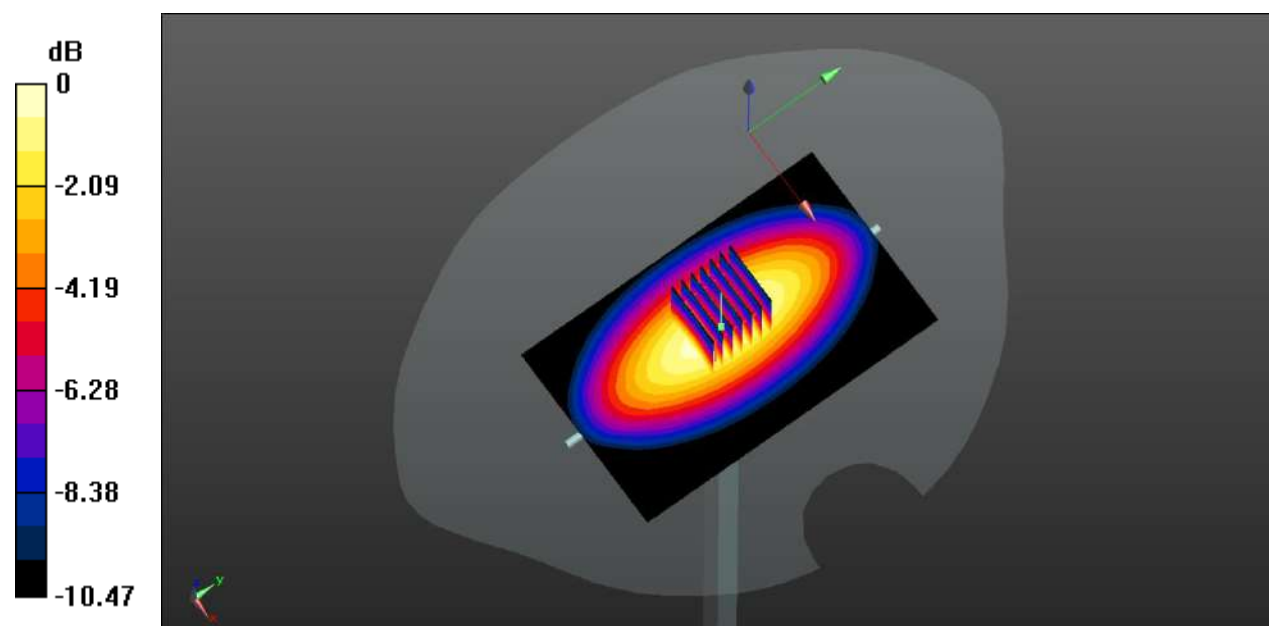
Peak SAR (extrapolated) = 1.35 W/kg

**SAR(1 g) = 0.979 W/kg; SAR(10 g) = 0.648 W/kg**

Smallest distance from peaks to all points 3 dB below = 12.5 mm

Ratio of SAR at M2 to SAR at M1 = 65.1%

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



0 dB = 1.05 W/kg

## System Performance Check Data (835MHz -DASY5)

Date: 2025.01.10

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

Medium parameters used (interpolated):  $f = 835$  MHz;  $\sigma = 0.903$  S/m;  $\epsilon_r = 41.423$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**CW835/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.938 W/kg

**CW835/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.30 V/m; Power Drift = -0.02 dB

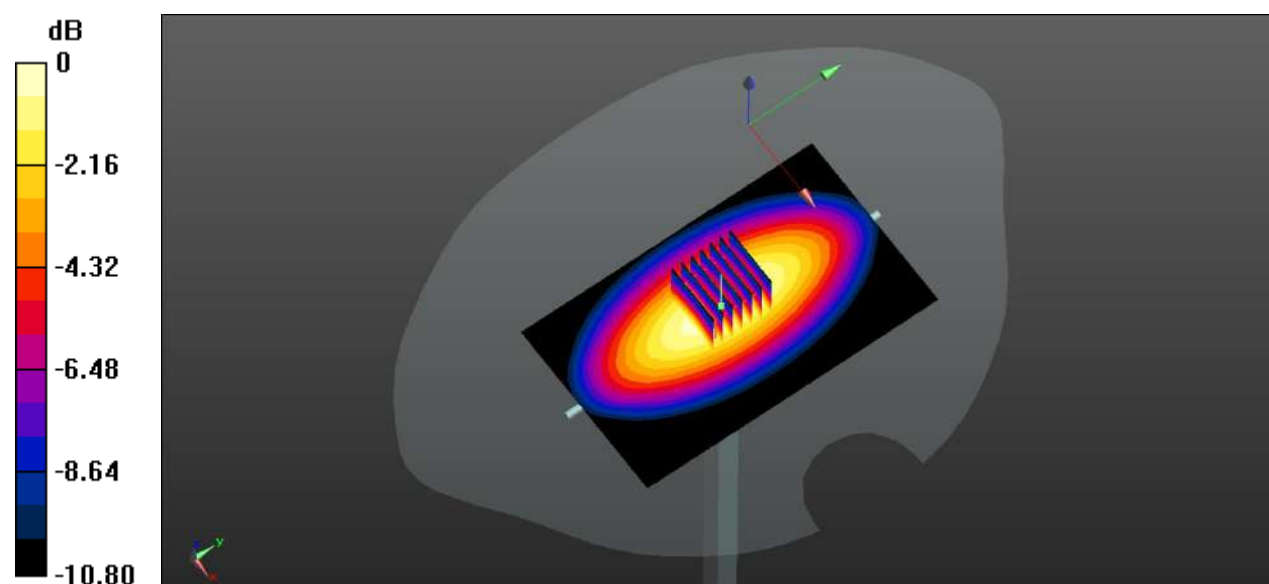
Peak SAR (extrapolated) = 1.21 W/kg

**SAR(1 g) = 0.968 W/kg; SAR(10 g) = 0.641 W/kg**

Smallest distance from peaks to all points 3 dB below = 11.5 mm

Ratio of SAR at M2 to SAR at M1 = 63.5%

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



0 dB = 0.978 W/kg

## System Performance Check Data (835MHz -DASY5)

Date: 2025.01.11

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

Medium parameters used (interpolated):  $f = 835$  MHz;  $\sigma = 0.893$  S/m;  $\epsilon_r = 41.625$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**CW835/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

**CW835/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.30 V/m; Power Drift = -0.12 dB

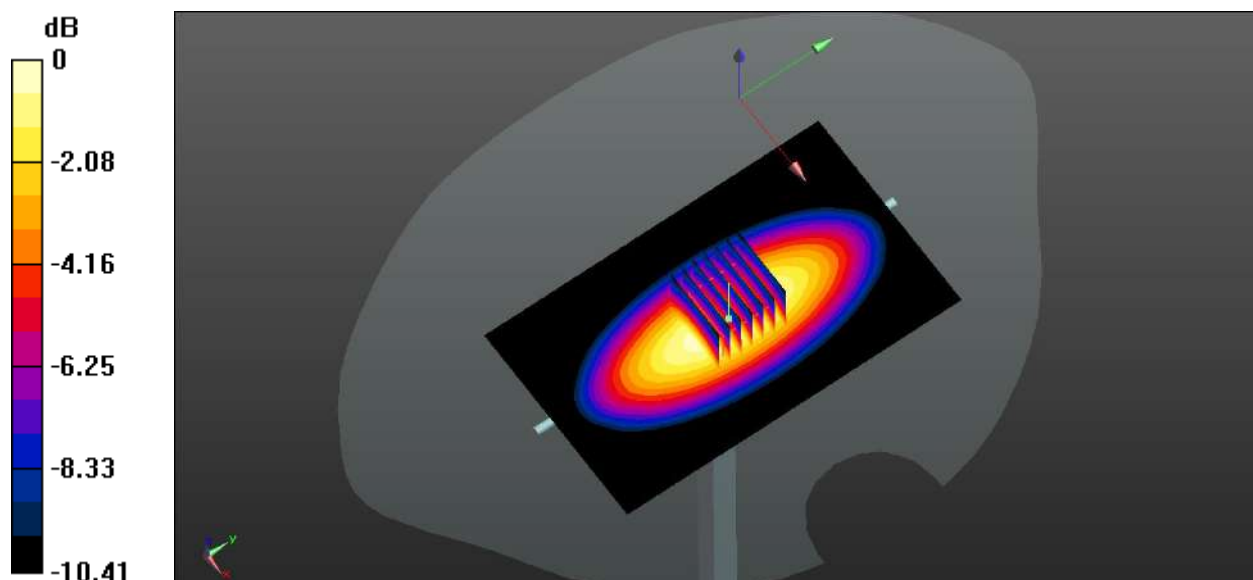
Peak SAR (extrapolated) = 1.31 W/kg

**SAR(1 g) = 0.971 W/kg; SAR(10 g) = 0.642 W/kg**

Smallest distance from peaks to all points 3 dB below = 11.9 mm

Ratio of SAR at M2 to SAR at M1 = 64.5%

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



0 dB = 1.03 W/kg

## System Performance Check Data (835MHz -DASY5)

Date: 2025.01.12

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

Medium parameters used (interpolated):  $f = 835$  MHz;  $\sigma = 0.901$  S/m;  $\epsilon_r = 41.536$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient Temperature: 22.7°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**CW835/Area Scan (61x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.984 W/kg

**CW835/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 31.06 V/m; Power Drift = -0.10 dB

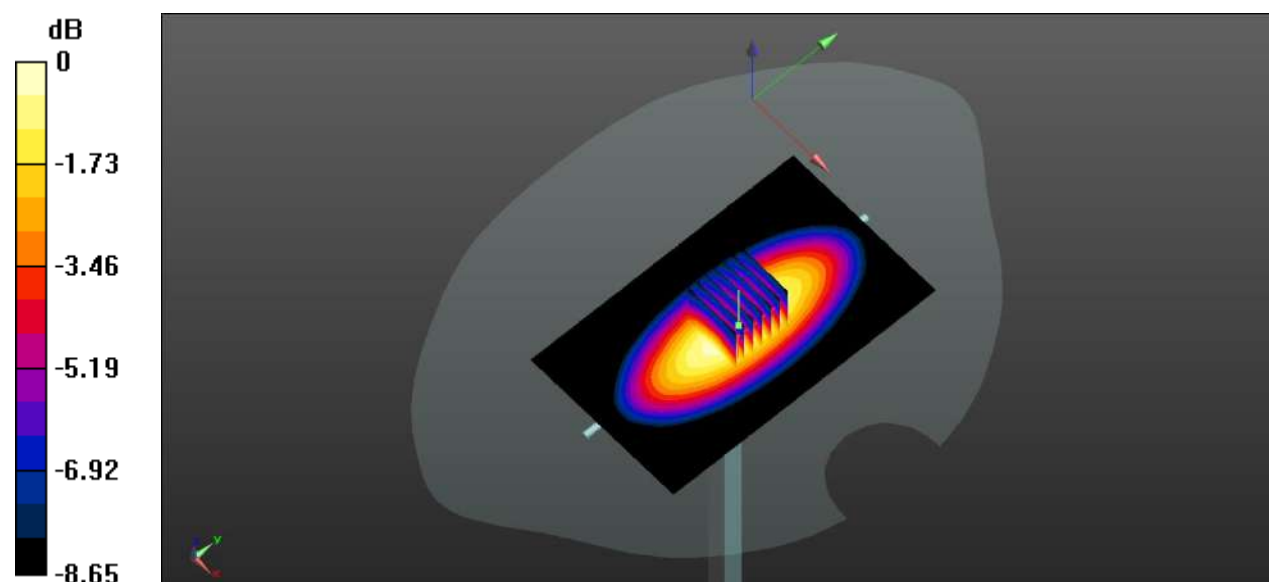
Peak SAR (extrapolated) = 1.29 W/kg

**SAR(1 g) = 0.962 W/kg; SAR(10 g) = 0.635 W/kg**

Smallest distance from peaks to all points 3 dB below = 11.6 mm

Ratio of SAR at M2 to SAR at M1 = 60.9%

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



## System Performance Check Data (835MHz -DASY5)

Date: 2025.01.15

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

Medium parameters used (interpolated):  $f = 835 \text{ MHz}$ ;  $\sigma = 0.912 \text{ S/m}$ ;  $\epsilon_r = 41.344$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**CW835/Area Scan (61x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.993 W/kg

**CW835/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 32.16 V/m; Power Drift = 0.00 dB

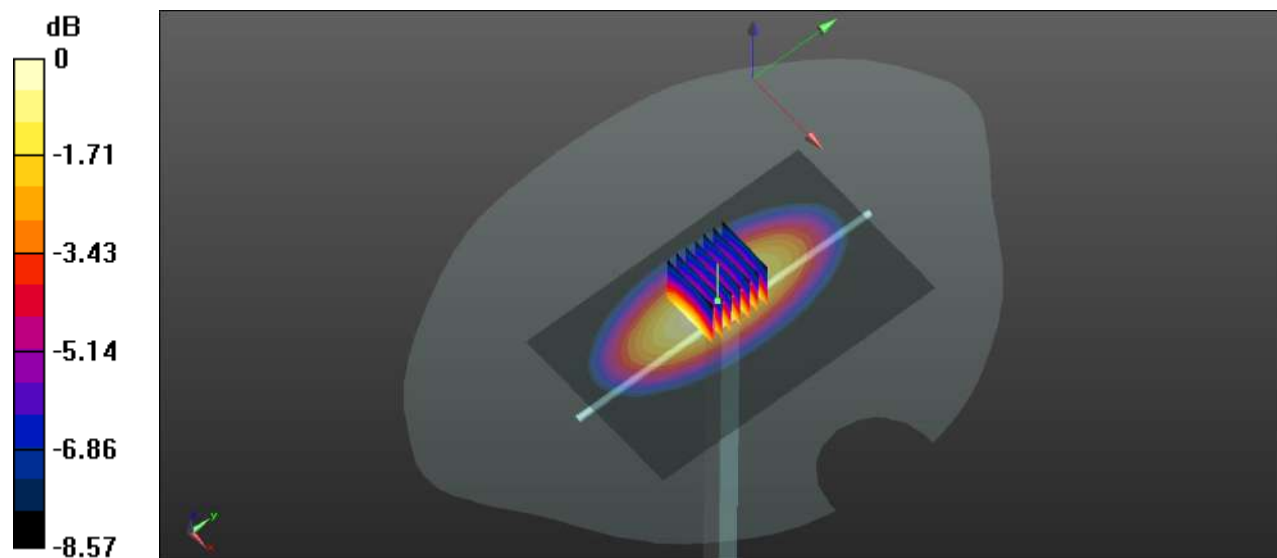
Peak SAR (extrapolated) = 1.19 W/kg

**SAR(1 g) = 0.966 W/kg; SAR(10 g) = 0.640 W/kg**

Smallest distance from peaks to all points 3 dB below = 12.1 mm

Ratio of SAR at M2 to SAR at M1 = 62.3%

Maximum value of SAR (measured) = 0.977 W/kg



0 dB = 0.977 W/kg



## System Performance Check Data (1750MHz -DASY5)

Date: 2025.01.16

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

Medium parameters used (interpolated):  $f = 1750$  MHz;  $\sigma = 1.376$  S/m;  $\epsilon_r = 39.694$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient Temperature: 22.0°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.35, 7.35, 7.35); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**CW1750/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

**CW1750/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 57.69 V/m; Power Drift = -0.05 dB

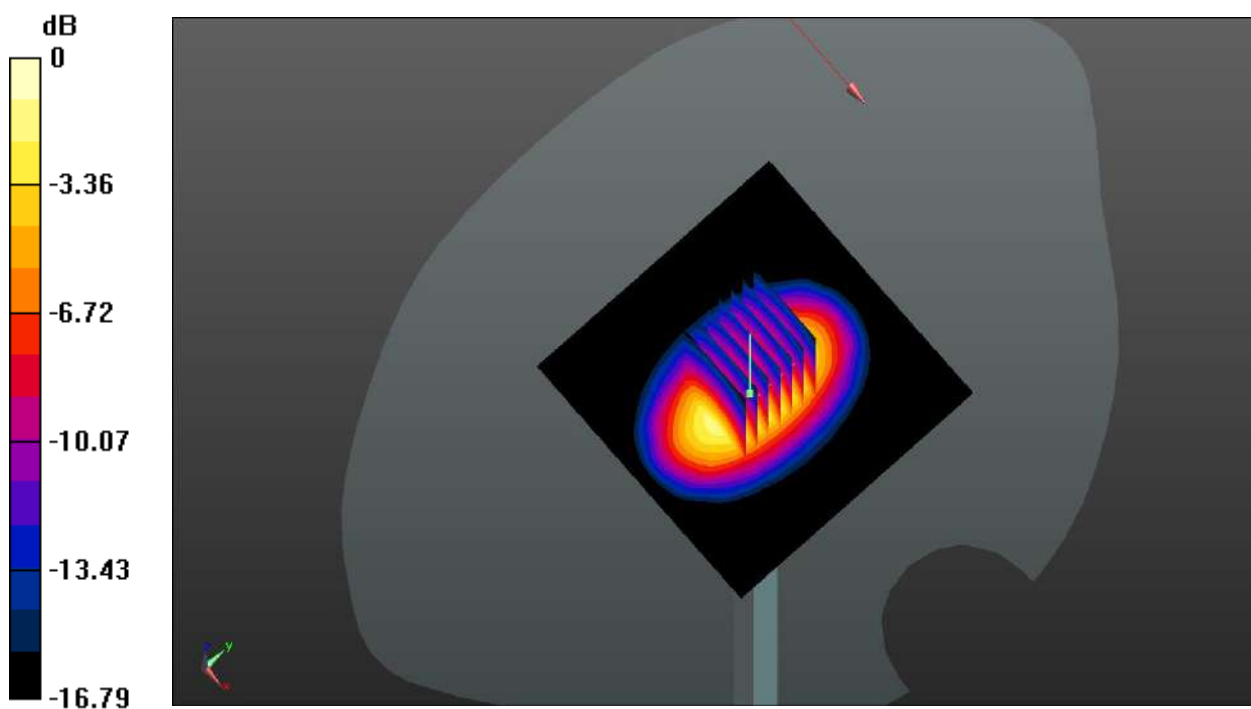
Peak SAR (extrapolated) = 6.15 W/kg

**SAR(1 g) = 3.78 W/kg; SAR(10 g) = 1.99 W/kg**

Smallest distance from peaks to all points 3 dB below = 10.2 mm

Ratio of SAR at M2 to SAR at M1 = 59.3%

Maximum value of SAR (measured) = 3.92 W/kg



0 dB = 3.92 W/kg

## System Performance Check Data (1750MHz -DASY5)

Date: 2025.01.17

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

Medium parameters used (interpolated):  $f = 1750$  MHz;  $\sigma = 1.413$  S/m;  $\epsilon_r = 39.262$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.35, 7.35, 7.35); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**CW1750/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

**CW1750/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 55.36 V/m; Power Drift = -0.09 dB

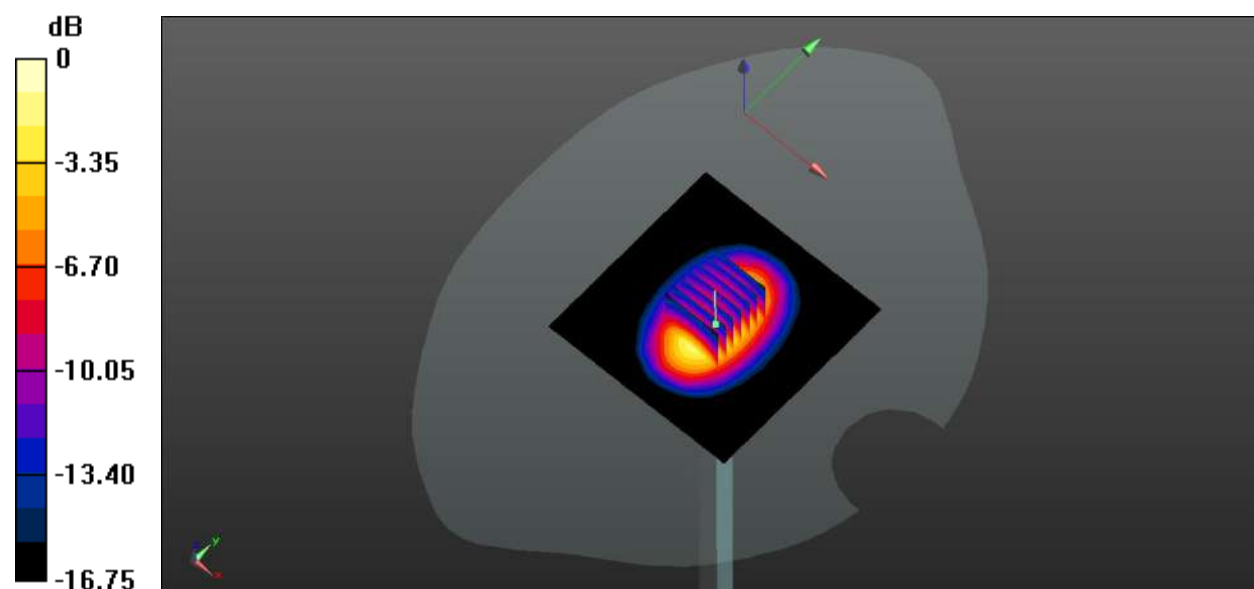
Peak SAR (extrapolated) = 6.01 W/kg

**SAR(1 g) = 3.72 W/kg; SAR(10 g) = 1.94 W/kg**

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

Ratio of SAR at M2 to SAR at M1 = 58.4%

Maximum value of SAR (measured) = 4.11 W/kg



0 dB = 4.11 W/kg

## System Performance Check Data (1750MHz -DASY5)

Date: 2025.01.18

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

Medium parameters used (interpolated):  $f = 1750$  MHz;  $\sigma = 1.39$  S/m;  $\epsilon_r = 39.39$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.35, 7.35, 7.35); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**CW1750/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.71 W/kg

**CW1750/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 52.66 V/m; Power Drift = -0.13 dB

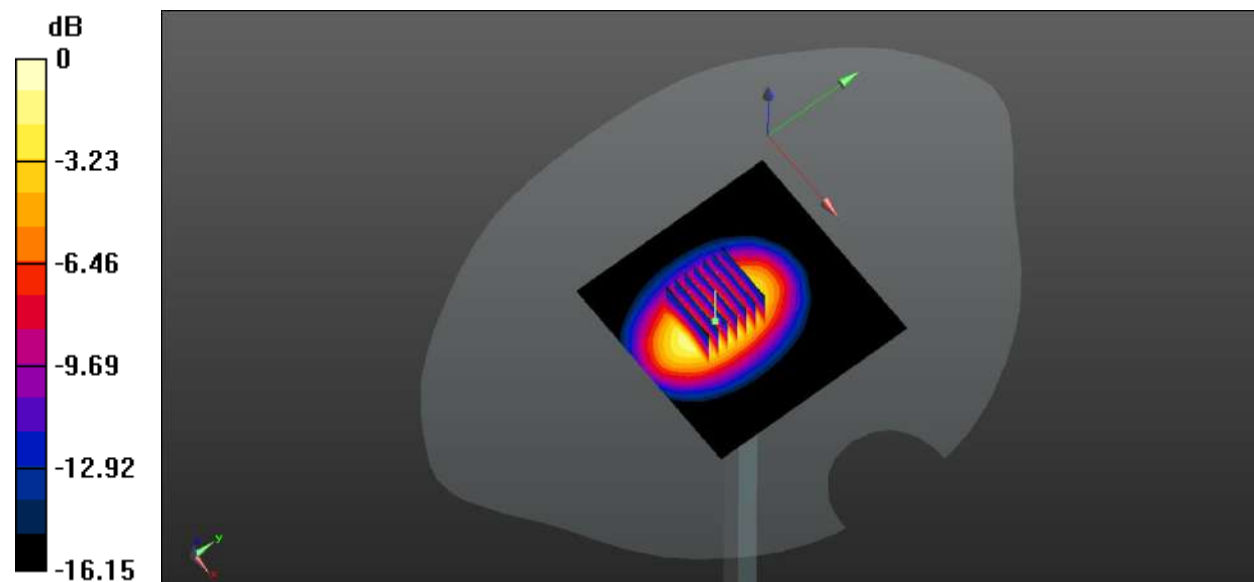
Peak SAR (extrapolated) = 7.11 W/kg

**SAR(1 g) = 3.84 W/kg; SAR(10 g) = 2.01 W/kg**

Smallest distance from peaks to all points 3 dB below = 12.1 mm

Ratio of SAR at M2 to SAR at M1 = 60.8%

Maximum value of SAR (measured) = 3.82 W/kg



0 dB = 3.82 W/kg

## System Performance Check Data (1750MHz -DASY5)

Date: 2025.01.19

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

Medium parameters used (interpolated):  $f = 1750$  MHz;  $\sigma = 1.381$  S/m;  $\epsilon_r = 39.806$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient Temperature: 22.7°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.35, 7.35, 7.35); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**CW1750/Area Scan (61x61x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 4.31 W/kg

**CW1750/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 56.32 V/m; Power Drift = 0.03 dB

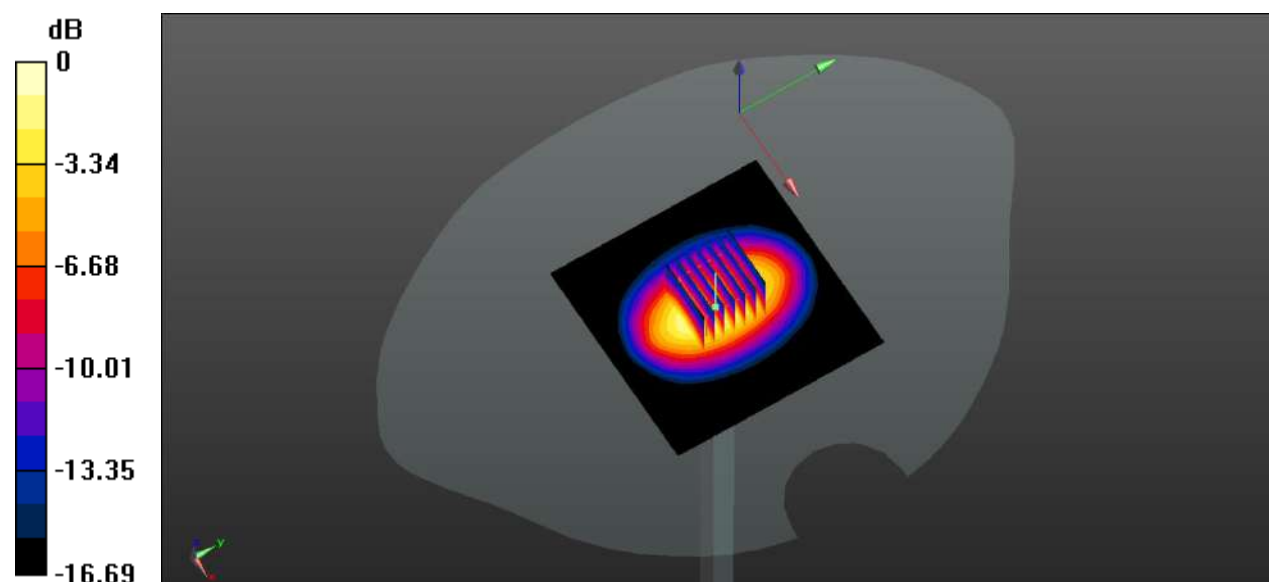
Peak SAR (extrapolated) = 7.08 W/kg

**SAR(1 g) = 3.79 W/kg; SAR(10 g) = 1.96 W/kg**

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

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

Maximum value of SAR (measured) = 4.14 W/kg



0 dB = 4.14 W/kg

## System Performance Check Data (1750MHz -DASY5)

Date: 2025.01.20

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

Medium parameters used (interpolated):  $f = 1750$  MHz;  $\sigma = 1.376$  S/m;  $\epsilon_r = 39.892$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.35, 7.35, 7.35); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**CW1750/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.15 W/kg

**CW1750/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 46.92 V/m; Power Drift = 0.02 dB

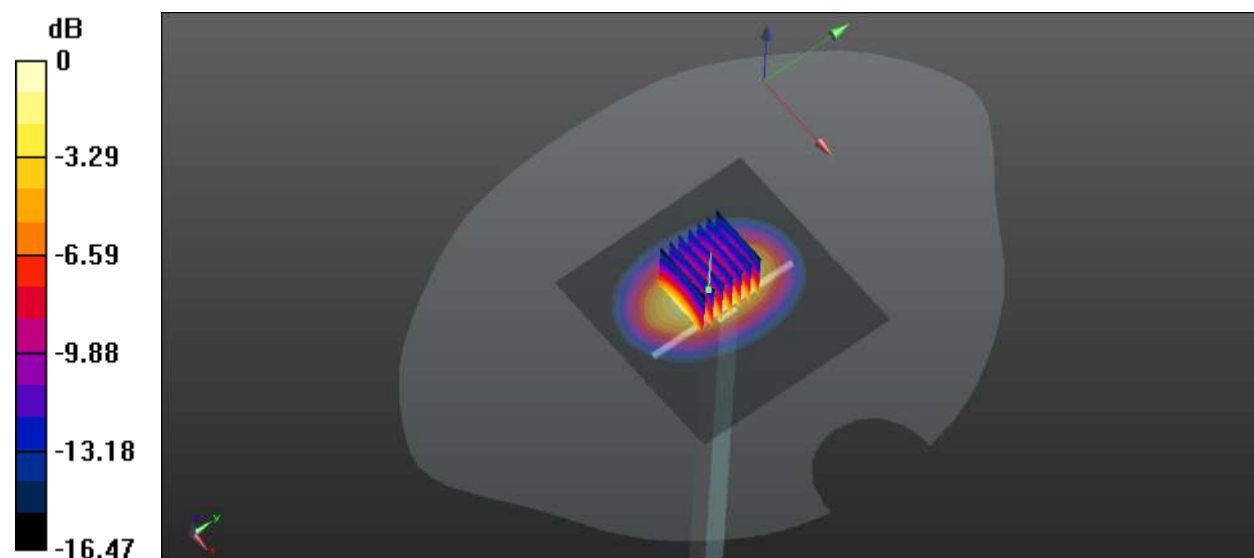
Peak SAR (extrapolated) = 6.78 W/kg

**SAR(1 g) = 3.77 W/kg; SAR(10 g) = 1.98 W/kg**

Smallest distance from peaks to all points 3 dB below = 10.9 mm

Ratio of SAR at M2 to SAR at M1 = 60.1%

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



0 dB = 4.05 W/kg

## System Performance Check Data (1750MHz -DASY5)

Date: 2025.01.17

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

Medium parameters used (interpolated):  $f = 1750$  MHz;  $\sigma = 1.383$  S/m;  $\epsilon_r = 40.477$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.67, 8.67, 8.67); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2024.06.28
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**CW1750/Area Scan (61x61x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 4.11 W/kg

**CW1750/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 46.24 V/m; Power Drift = 0.07 dB

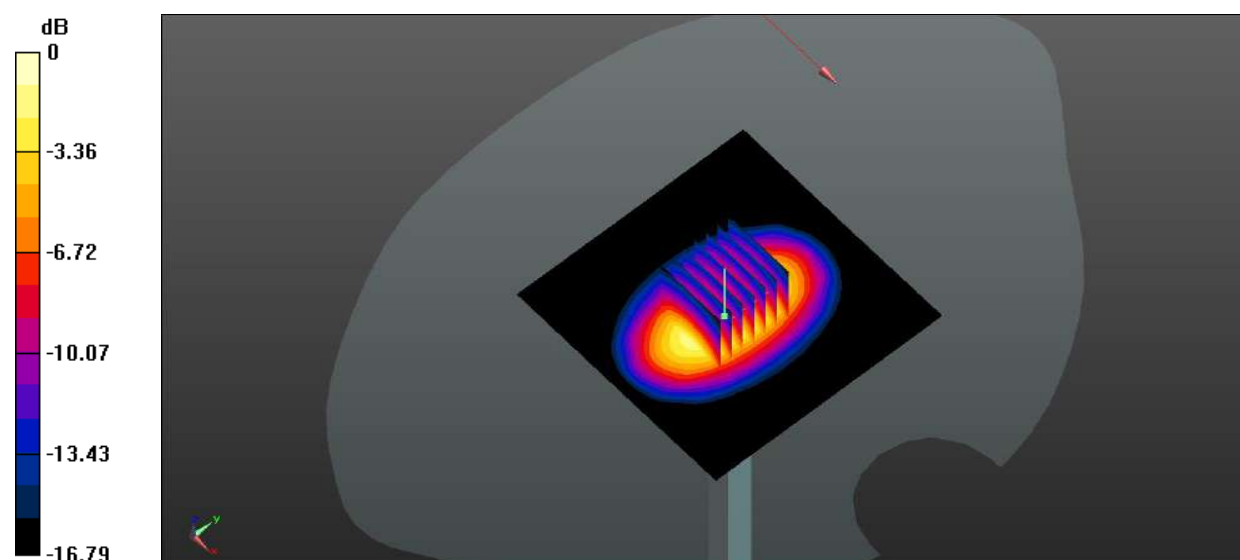
Peak SAR (extrapolated) = 6.65 W/kg

**SAR(1 g) = 3.71 W/kg; SAR(10 g) = 1.92 W/kg**

Smallest distance from peaks to all points 3 dB below = 10.3 mm

Ratio of SAR at M2 to SAR at M1 = 58.6%

Maximum value of SAR (measured) = 3.96 W/kg



0 dB = 3.96 W/kg

## System Performance Check Data (1950MHz -DASY5)

Date: 2025.01.21

Communication System Band: D1950 (1950.0 MHz); Frequency: 1950 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1950$  MHz;  $\sigma = 1.424$  S/m;  $\epsilon_r = 39.143$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.19, 7.19, 7.19); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**CW1950/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.58 W/kg

**CW1950/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 56.74 V/m; Power Drift = -0.05 dB

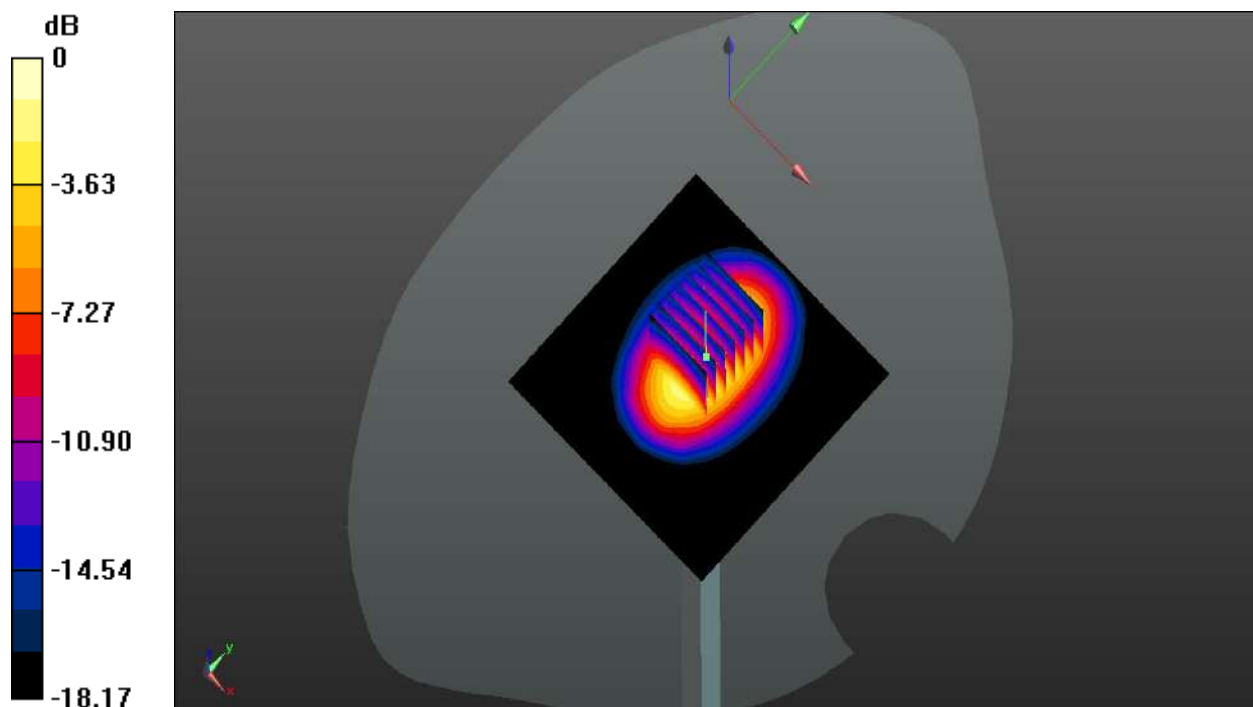
Peak SAR (extrapolated) = 7.62 W/kg

**SAR(1 g) = 4.23 W/kg; SAR(10 g) = 2.21 W/kg**

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

Ratio of SAR at M2 to SAR at M1 = 57.8%

Maximum value of SAR (measured) = 4.45 W/kg



0 dB = 4.45 W/kg

## System Performance Check Data (1950MHz -DASY5)

Date: 2025.01.22

Communication System Band: D1950 (1950.0 MHz); Frequency: 1950 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1950$  MHz;  $\sigma = 1.421$  S/m;  $\epsilon_r = 39.412$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.19, 7.19, 7.19); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**CW1950/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.16 W/kg

**CW1950/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 56.74 V/m; Power Drift = -0.09 dB

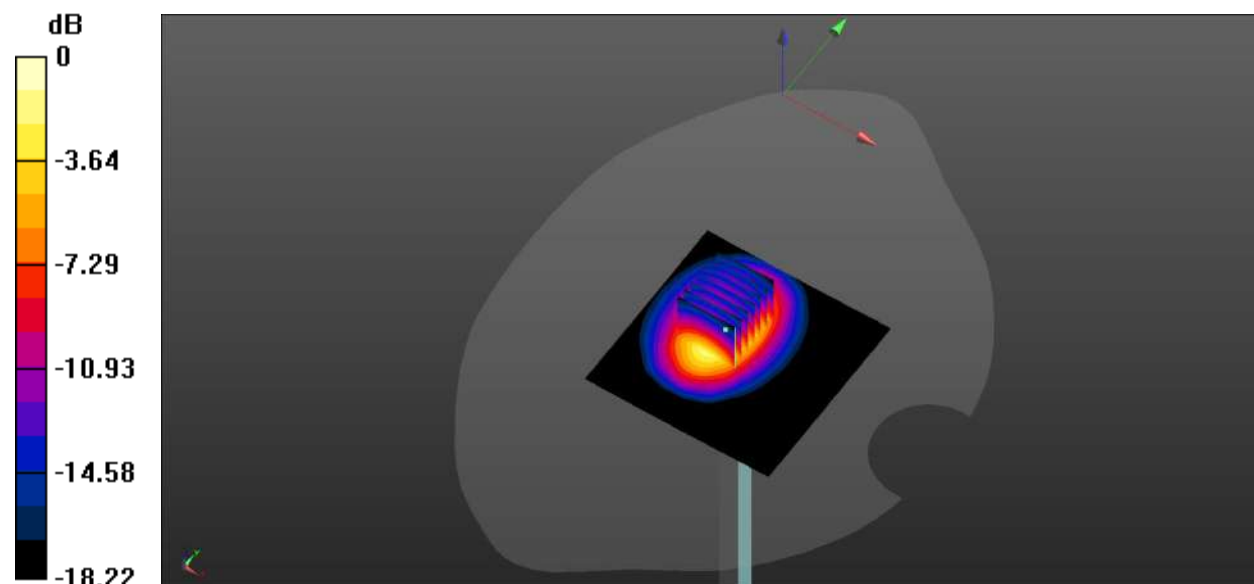
Peak SAR (extrapolated) = 8.61 W/kg

**SAR(1 g) = 4.15 W/kg; SAR(10 g) = 2.18 W/kg**

Smallest distance from peaks to all points 3 dB below = 10.9 mm

Ratio of SAR at M2 to SAR at M1 = 59.6%

Maximum value of SAR (measured) = 4.73 W/kg



0 dB = 4.73 W/kg



## System Performance Check Data (1950MHz -DASY5)

Date: 2025.01.23

Communication System Band: D1950 (1950.0 MHz); Frequency: 1950 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1950$  MHz;  $\sigma = 1.423$  S/m;  $\epsilon_r = 39.544$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.19, 7.19, 7.19); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**CW1950/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.66 W/kg

**CW1950/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 56.74 V/m; Power Drift = 0.05 dB

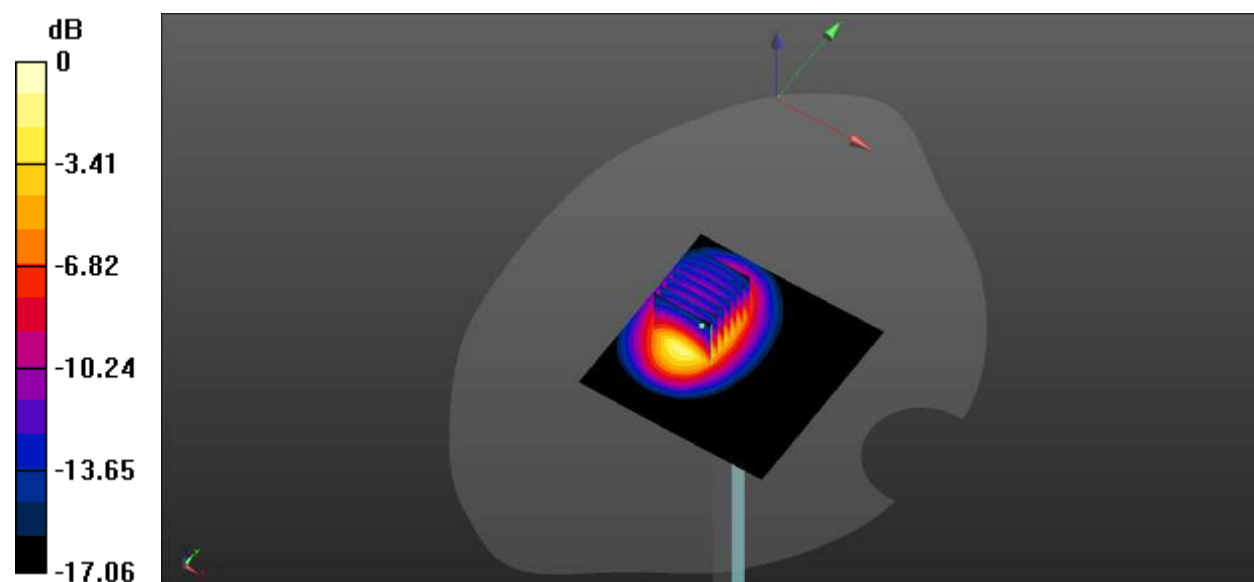
Peak SAR (extrapolated) = 6.69 W/kg

**SAR(1 g) = 4.19 W/kg; SAR(10 g) = 2.19 W/kg**

Smallest distance from peaks to all points 3 dB below = 10.3 mm

Ratio of SAR at M2 to SAR at M1 = 60.5%

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



0 dB = 4.36 W/kg

## System Performance Check Data (1950MHz -DASY5)

Date: 2025.01.24

Communication System Band: D1950 (1950.0 MHz); Frequency: 1950 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1950$  MHz;  $\sigma = 1.402$  S/m;  $\epsilon_r = 39.532$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.19, 7.19, 7.19); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**CW1950/Area Scan (61x61x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 4.96 W/kg

**CW1950/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 56.74 V/m; Power Drift = 0.02 dB

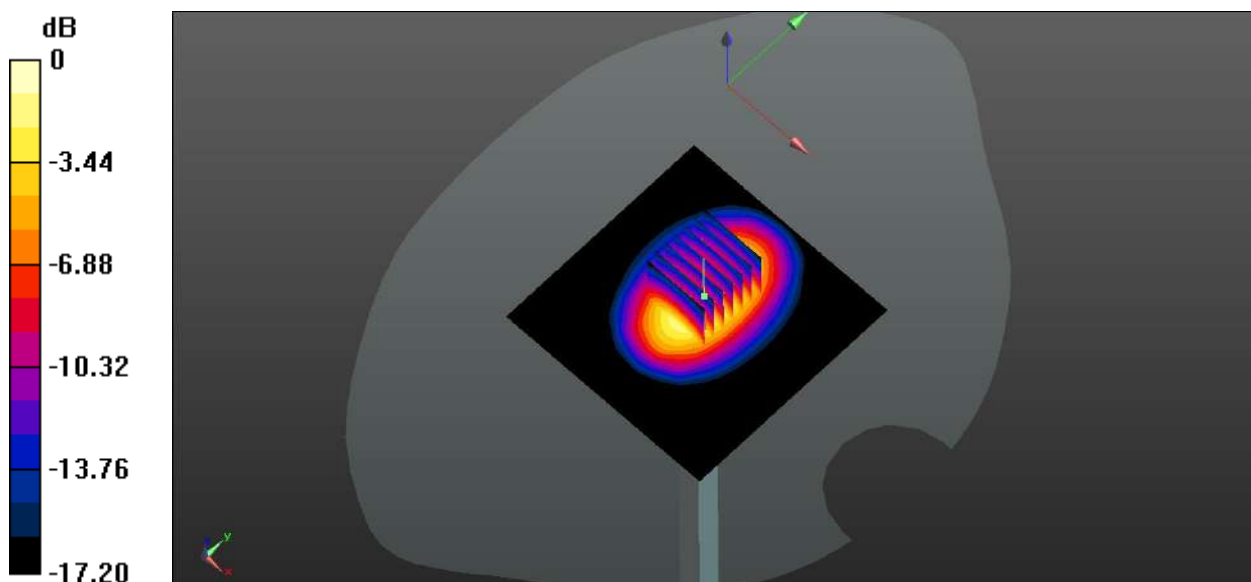
Peak SAR (extrapolated) = 7.28 W/kg

**SAR(1 g) = 4.28 W/kg; SAR(10 g) = 2.24 W/kg**

Smallest distance from peaks to all points 3 dB below = 11.8 mm

Ratio of SAR at M2 to SAR at M1 = 62.3%

Maximum value of SAR (measured) = 4.86 W/kg



0 dB = 4.86 W/kg

## System Performance Check Data (1950MHz -DASY5)

Date: 2025.01.18

Communication System Band: D1950 (1950.0 MHz); Frequency: 1950 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1950$  MHz;  $\sigma = 1.433$  S/m;  $\epsilon_r = 40.52$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.33, 8.33, 8.33); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2024.06.28
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**CW1950/Area Scan (61x61x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 4.92 W/kg

**CW1950/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 55.89 V/m; Power Drift = -0.01 dB

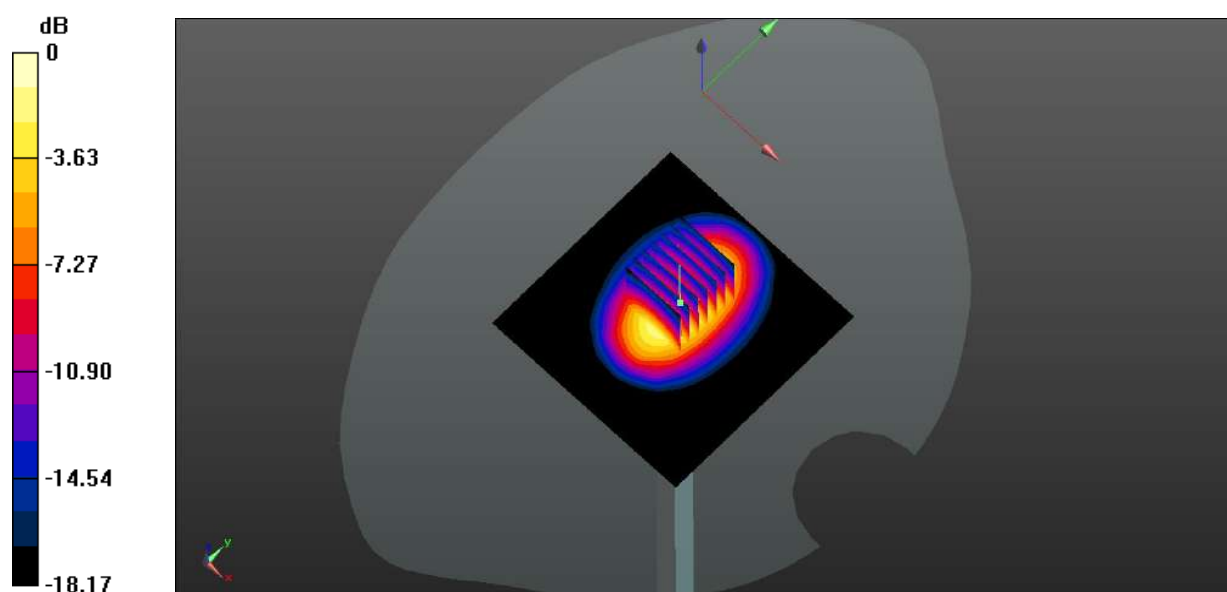
Peak SAR (extrapolated) = 7.22 W/kg

**SAR(1 g) = 4.25 W/kg; SAR(10 g) = 2.23 W/kg**

Smallest distance from peaks to all points 3 dB below = 11.3 mm

Ratio of SAR at M2 to SAR at M1 = 60.8%

Maximum value of SAR (measured) = 4.81 W/kg



0 dB = 4.81 W/kg

System Performance Check Data (2600MHz -DASY8)

Exposure Conditions

Phantom	Position,	Band	Group,	Frequency	Conversion	TSL	TSL	Ambient	Liquid
Section, TSL	Test		UID	[MHz],	Factor	Conductivity	Permittivity	Temperatur	Temperatur
	Distance			Channel		[S/m]		e	e
	[mm]			Number				[°C]	[°C]
Flat,		CD2600	CW,	2600.0,	7.06	1.93	38.5	22.1	21.4
HSL			0--	50					

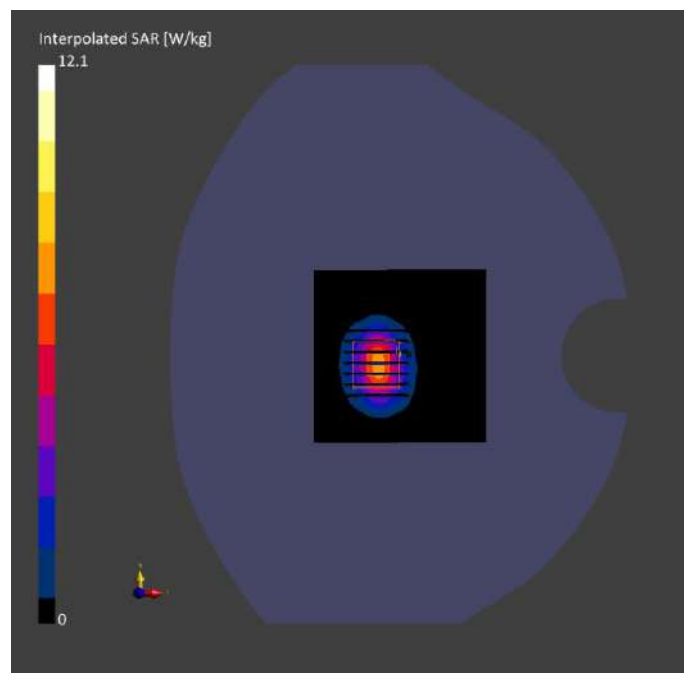
Hardware Setup

Phantom	TSL, Measured Date		Probe, Calibration Date		DAE, Calibration Date	
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000	2025-01-04	EX3DV4 - SN7893,	2024-09-05	DAE4 Sn1711,	2024-03-18

Scan Setup

Measurement Results

	Area Scan	Zoom Scan		Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0	Date	2025-01-04	2025-01-04
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5	psSAR1g [W/kg]	5.39	5.55
Sensor Surface	3.0	1.4	psSAR10g [W/kg]	2.48	2.58
[mm]			Power Drift [dB]	0.04	0.06
Graded Grid	Yes	Yes	Power Scaling	Disabled	Disabled
Grading Ratio	1.5	1.5	Scaling Factor		
MAIA	N/A	N/A	[dB]		
Surface Detection	VMS + 6p	VMS + 6p	TSL Correction	No correction	No correction
Scan Method	Measured	Measured	M2/M1 [%]		79.4
			Dist 3dB Peak		8.9
			[mm]		



System Performance Check Data (2600MHz -DASY8)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL		CD2600	CW, 0--	2600.0, 50	7.06	1.96	38.2	22.2	21.5

Hardware Setup

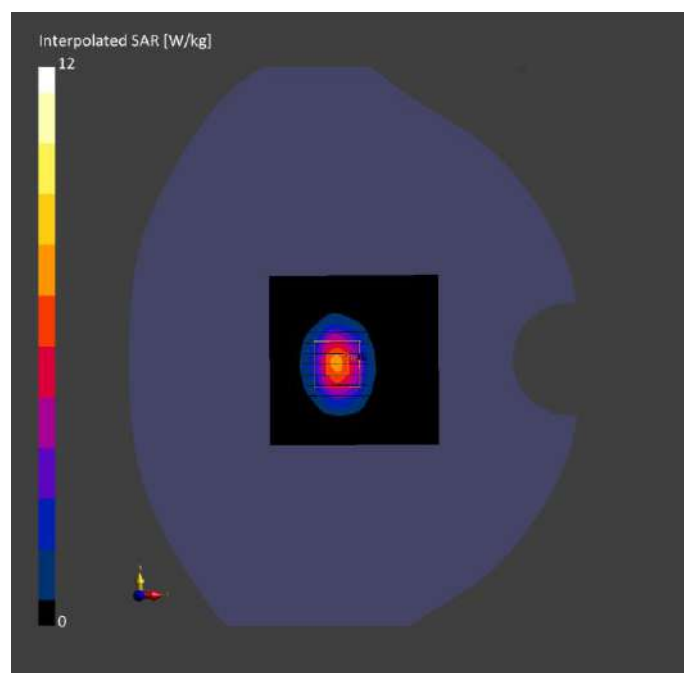
Phantom	TSL, Measured Date		Probe, Calibration Date		DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000	2025-01-05	EX3DV4 - SN7893,	2024-09-05	DAE4 Sn1711, 2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-05	2025-01-05
psSAR1g [W/kg]	5.38	5.65
psSAR10g [W/kg]	2.41	2.62
Power Drift [dB]	0.02	0.04
Power Scaling	Disabled	Disabled
Scaling Factor		
[dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.8
Dist 3dB Peak [mm]		8.8



System Performance Check Data (2600MHz -DASY8)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL		CD2600	CW, 0--	2600.0, 50	7.06	1.94	38.2	22.4	21.7

Hardware Setup

Phantom	TSL, Measured Date		Probe, Calibration Date		DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000	2025-01-06	EX3DV4 - SN7893,	2024-09-05	DAE4 Sn1711, 2024-03-18

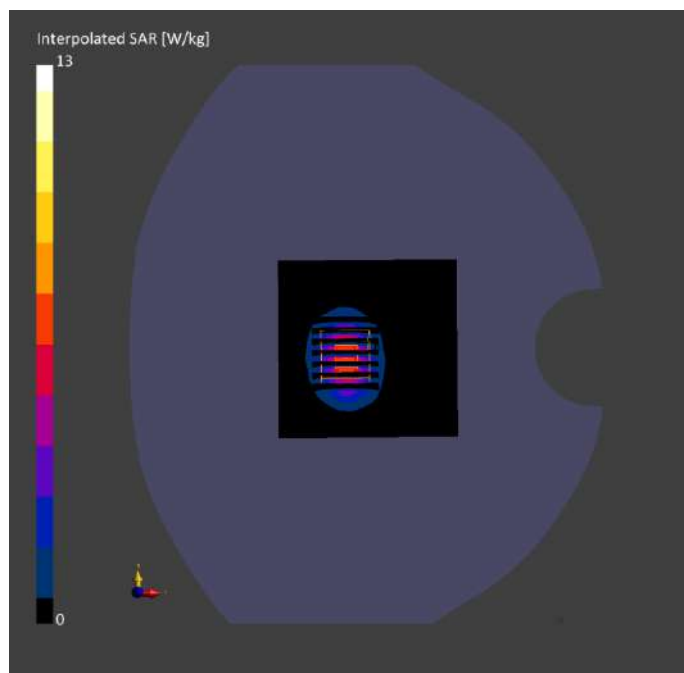
Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-06	2025-01-06
psSAR1g [W/kg]	5.39	5.68
psSAR10g [W/kg]	2.48	2.55
Power Drift [dB]	0.04	0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.3
Dist 3dB Peak [mm]		8.9





System Performance Check Data (2600MHz -DASY8)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL		CD2600	CW, 0--	2600.0, 50	7.06	1.99	37.9	22.5	21.8

Hardware Setup

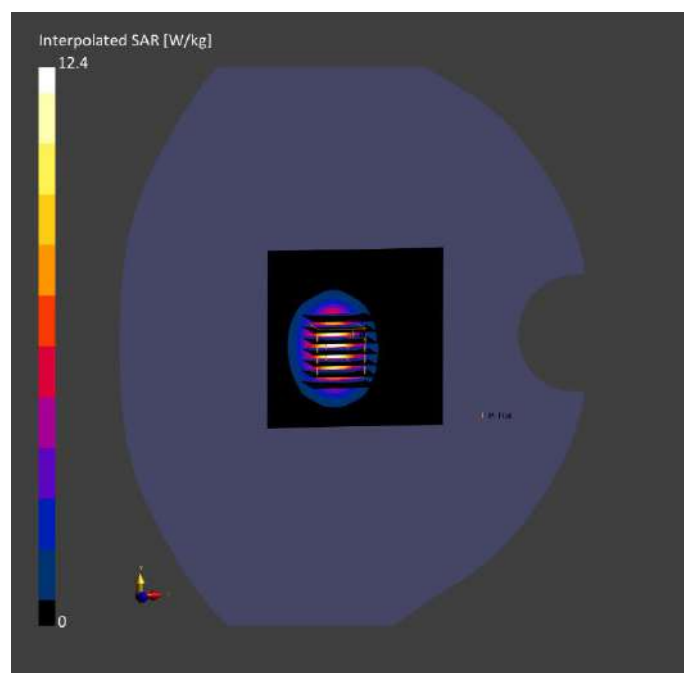
Phantom	TSL, Measured Date		Probe, Calibration Date		DAE, Calibration Date	
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000	2025-01-09	EX3DV4 - SN7893,	2024-09-05	DAE4 Sn1711,	2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-09	2025-01-09
psSAR1g [W/kg]	5.38	5.58
psSAR10g [W/kg]	2.41	2.54
Power Drift [dB]	0.02	0.04
Power Scaling	Disabled	Disabled
Scaling Factor		
[dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.8
Dist 3dB Peak [mm]		8.8



System Performance Check Data (2600MHz -DASY8)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL		CD2600	CW, 0--	2600.0, 50	7.06	1.97	38.1	22.2	21.5

Hardware Setup

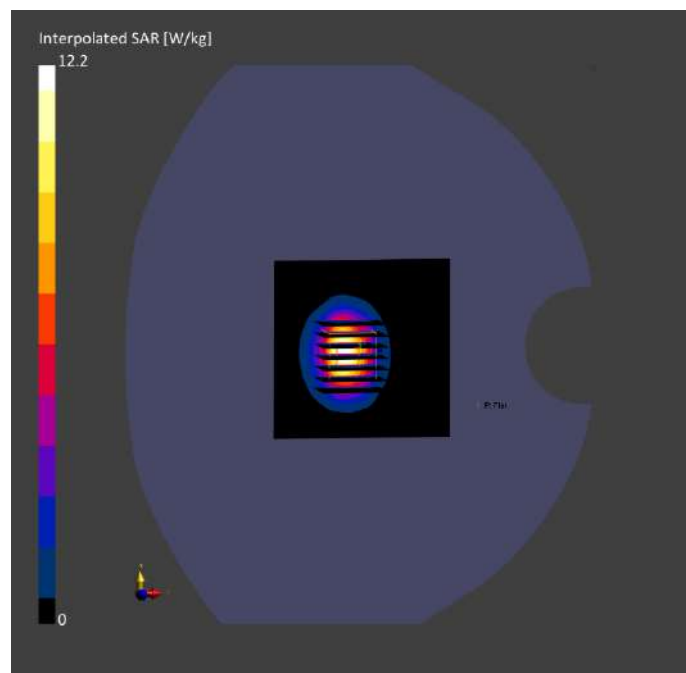
Phantom	TSL, Measured Date		Probe, Calibration Date		DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000	2025-01-10	EX3DV4 - SN7893,	2024-09-05	DAE4 Sn1711, 2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-10	2025-01-10
psSAR1g [W/kg]	5.71	5.71
psSAR10g [W/kg]	2.46	2.61
Power Drift [dB]	0.01	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.5
Dist 3dB Peak [mm]		9.1



System Performance Check Data (2600MHz -DASY8)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL		CD2600	CW, 0--	2600.0, 50	7.06	1.97	39.8	22.3	21.4

Hardware Setup

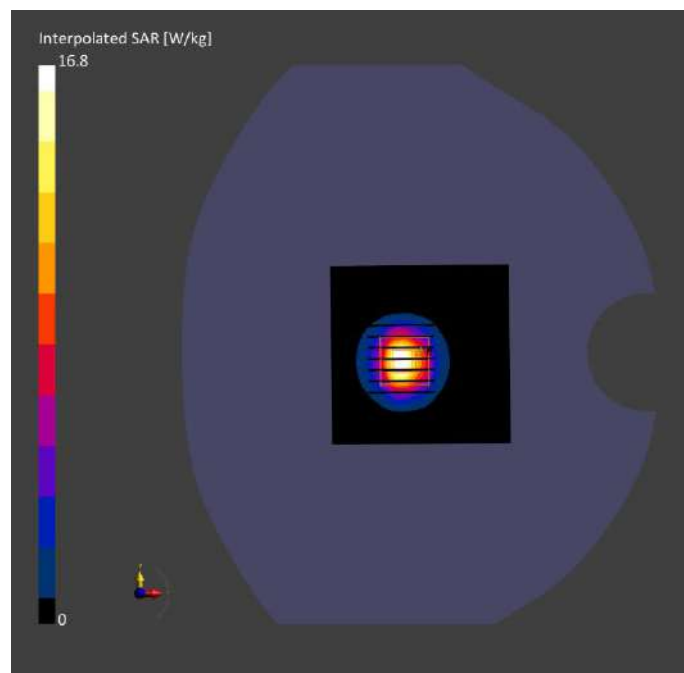
Phantom	TSL, Measured Date		Probe, Calibration Date		DAE, Calibration Date	
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000	2025-01-11	EX3DV4 - SN7893,	2024-09-05	DAE4 Sn1711,	2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-11	2025-01-11
psSAR1g [W/kg]	5.53	5.73
psSAR10g [W/kg]	2.40	2.57
Power Drift [dB]	0.00	0.05
Power Scaling	Disabled	Disabled
Scaling Factor		
[dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.1
Dist 3dB Peak [mm]		8.4



System Performance Check Data (2600MHz -DASY8)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL		CD2600	CW, 0--	2600.0, 50	7.06	1.99	39.7	22.6	21.3

Hardware Setup

Phantom	TSL, Measured Date		Probe, Calibration Date		DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000	2025-01-16	EX3DV4 - SN7893,	2024-09-05	DAE4 Sn1711, 2024-03-18

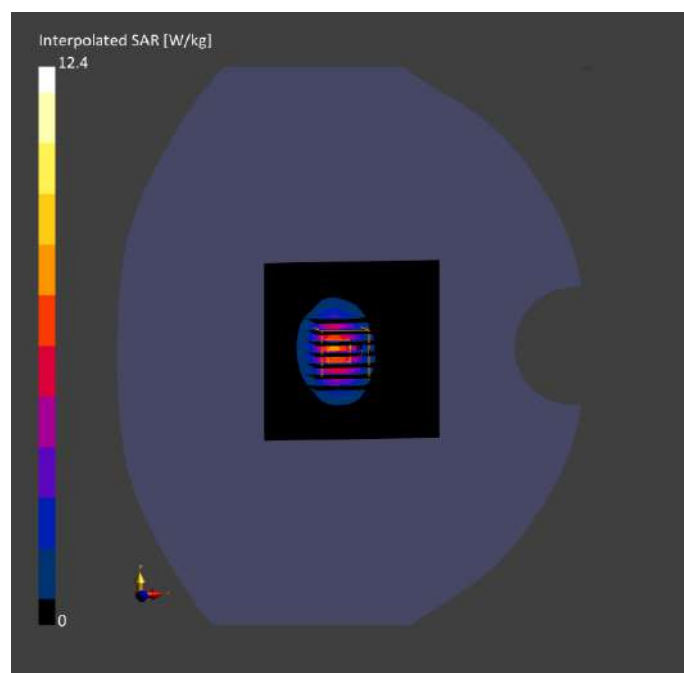
Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-16	2025-01-16
psSAR1g [W/kg]	5.58	5.75
psSAR10g [W/kg]	2.42	2.63
Power Drift [dB]	0.02	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.5
Dist 3dB Peak [mm]		8.8





System Performance Check Data (2600MHz -DASY8)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL		CD2600	CW, 0--	2600.0, 50	7.06	1.94	38.9	22.5	21.2

Hardware Setup

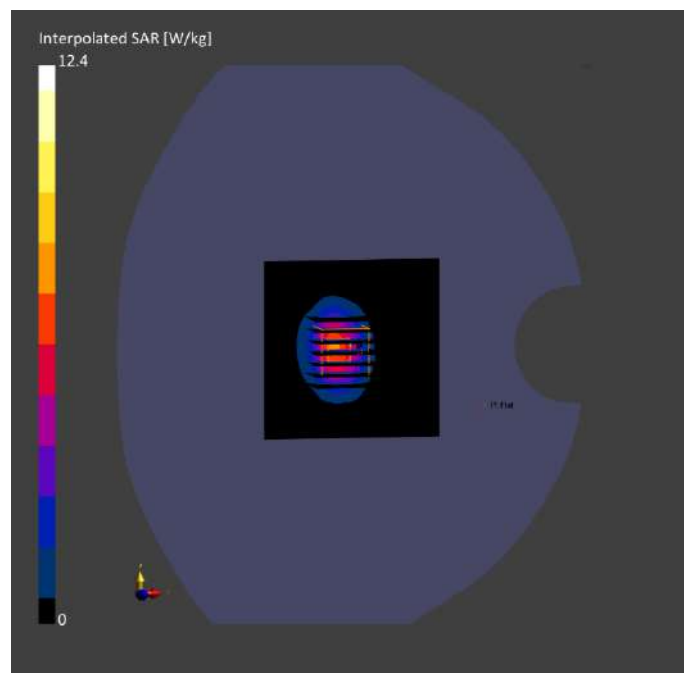
Phantom	TSL, Measured Date		Probe, Calibration Date		DAE, Calibration Date	
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000	2025-01-17	EX3DV4 - SN7893,	2024-09-05	DAE4 Sn1711,	2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-17	2025-01-17
psSAR1g [W/kg]	5.58	5.81
psSAR10g [W/kg]	2.43	2.68
Power Drift [dB]	0.01	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.4
Dist 3dB Peak [mm]		8.5



System Performance Check Data (2600MHz -DASY8)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL		CD2600	CW, 0--	2600.0, 50	7.06	2.00	37.7	22.4	21.6

Hardware Setup

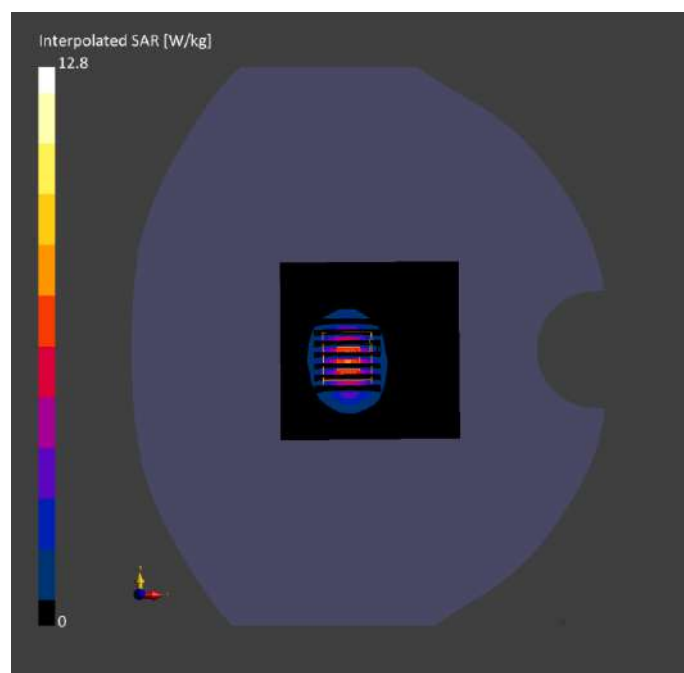
Phantom	TSL, Measured Date		Probe, Calibration Date		DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000	2025-01-18	EX3DV4 - SN7893,	2024-09-05	DAE4 Sn1711, 2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-18	2025-01-18
psSAR1g [W/kg]	5.59	5.85
psSAR10g [W/kg]	2.48	2.66
Power Drift [dB]	-0.02	0.04
Power Scaling	Disabled	Disabled
Scaling Factor		
[dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.5
Dist 3dB Peak [mm]		8.3



System Performance Check Data (3500MHz -DASY8)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivit y [S/m]	TSL Permittivity	Ambient Temperatur e [°C]	Liquid Temperatur e [°C]
Flat, HSL		Custom Band	CW, 0--	3500.0, 3500000	6.33	2.87	37.4	22.1	21.5

Hardware Setup

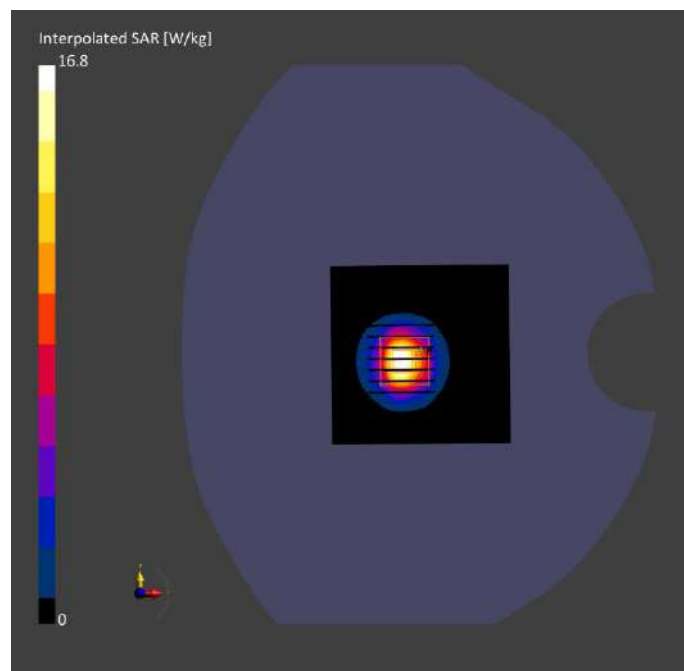
Phantom	TSL, Measured Date		Probe, Calibration Date		DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000	2025-01-12	EX3DV4 - SN7893,	2024-09-05	DAE4 Sn1711, 2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-12	2025-01-12
psSAR1g [W/kg]	6.31	6.86
psSAR10g [W/kg]	2.48	2.64
Power Drift [dB]	-0.07	0.03
Power Scaling	Disabled	Disabled
Scaling Factor		
[dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		75.8
Dist 3dB Peak [mm]		8.5



System Performance Check Data (3500MHz -DASY8)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivit y [S/m]	TSL Permittivity	Ambient Temperatur e [°C]	Liquid Temperatur e [°C]
Flat, HSL		Custom Band	CW, 0--	3500.0, 3500000	6.33	2.82	38.3	22.4	21.4

Hardware Setup

Phantom	TSL, Measured Date		Probe, Calibration Date		DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000	2025-01-13	EX3DV4 - SN7893,	2024-09-05	DAE4 Sn1711, 2024-03-18

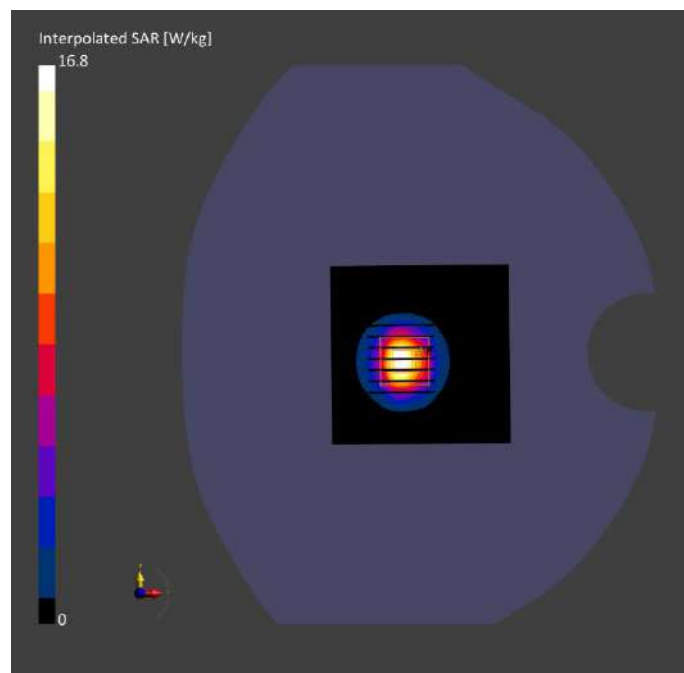
Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-13	2025-01-13
psSAR1g [W/kg]	6.33	6.84
psSAR10g [W/kg]	2.44	2.63
Power Drift [dB]	-0.04	0.02
Power Scaling	Disabled	Disabled
Scaling Factor		
[dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		75.7
Dist 3dB Peak [mm]		8.4





System Performance Check Data (3500MHz -DASY8)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivit y [S/m]	TSL Permittivity	Ambient Temperatur e [°C]	Liquid Temperatur e [°C]
Flat, HSL		Custom Band	CW, 0--	3500.0, 3500000	6.33	2.83	38.3	22.3	21.5

Hardware Setup

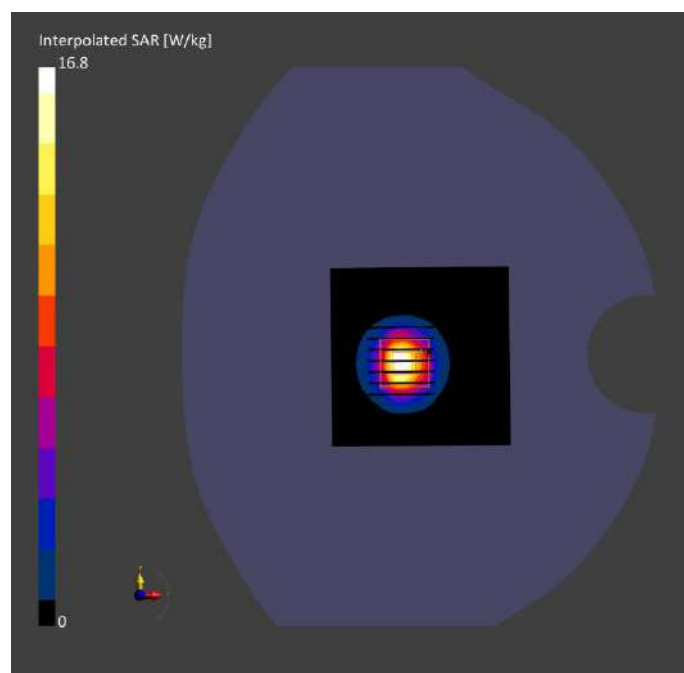
Phantom	TSL, Measured Date		Probe, Calibration Date		DAE, Calibration Date	
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000	2025-01-14	EX3DV4 - SN7893,	2024-09-05	DAE4 Sn1711,	2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-14	2025-01-14
psSAR1g [W/kg]	6.61	6.88
psSAR10g [W/kg]	2.58	2.69
Power Drift [dB]	-0.09	0.02
Power Scaling	Disabled	Disabled
Scaling Factor		
[dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		75.7
Dist 3dB Peak [mm]		8.4



System Performance Check Data (3500MHz -DASY8)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivit y [S/m]	TSL Permittivity	Ambient Temperatur e [°C]	Liquid Temperatur e [°C]
Flat, HSL		Custom Band	CW, 0--	3500.0, 3500000	6.33	2.87	37.9	22.2	21.6

Hardware Setup

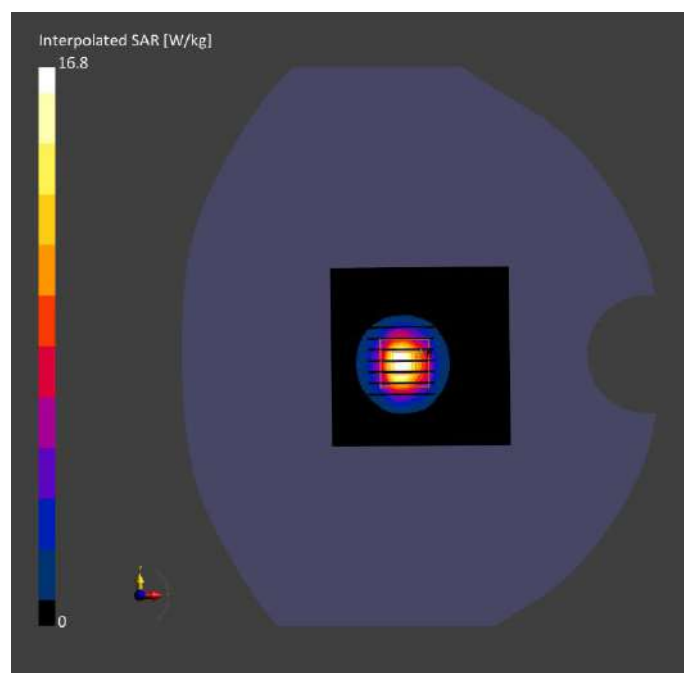
Phantom	TSL, Measured Date		Probe, Calibration Date		DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000	2025-01-15	EX3DV4 - SN7893,	2024-09-05	DAE4 Sn1711, 2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-15	2025-01-15
psSAR1g [W/kg]	6.73	6.91
psSAR10g [W/kg]	2.44	2.64
Power Drift [dB]	-0.14	0.08
Power Scaling	Disabled	Disabled
Scaling Factor		
[dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		75.9
Dist 3dB Peak [mm]		8.1



System Performance Check Data (3700MHz -DASY8)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivit y [S/m]	TSL Permittivity	Ambient Temperatur e [°C]	Liquid Temperatur e [°C]
Flat, HSL		Custom Band	CW, 0--	3700.0, 3700000	6.94	3.12	37.4	22.6	21.5

Hardware Setup

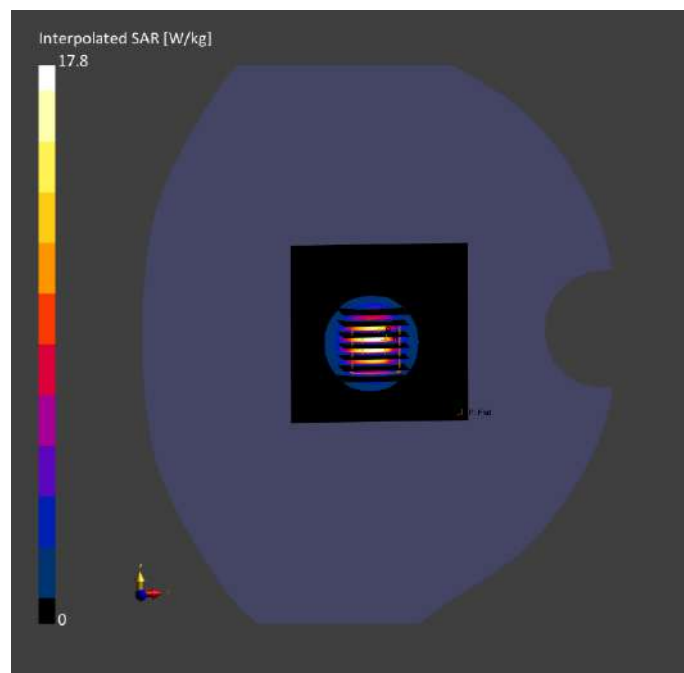
Phantom	TSL, Measured Date		Probe, Calibration Date		DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000	2025-01-21	EX3DV4 - SN7510,	2024-06-25	DAE4 Sn905, 2024-06-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-21	2025-01-21
psSAR1g [W/kg]	6.34	6.81
psSAR10g [W/kg]	2.48	2.59
Power Drift [dB]	-0.05	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor		
[dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		76.2
Dist 3dB Peak [mm]		8.5



# System Performance Check Data (3700MHz -DASY8)

## Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivit y [S/m]	TSL Permittivity	Ambient Temperatur e [°C]	Liquid Temperatur e [°C]
Flat, HSL		Custom Band	CW, 0--	3700.0, 3700000	6.94	3.09	37.7	22.4	21.4

## Hardware Setup

Phantom	TSL, Measured Date		Probe, Calibration Date		DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000	2025-01-22	EX3DV4 - SN7510,	2024-06-25	DAE4 Sn905, 2024-06-28

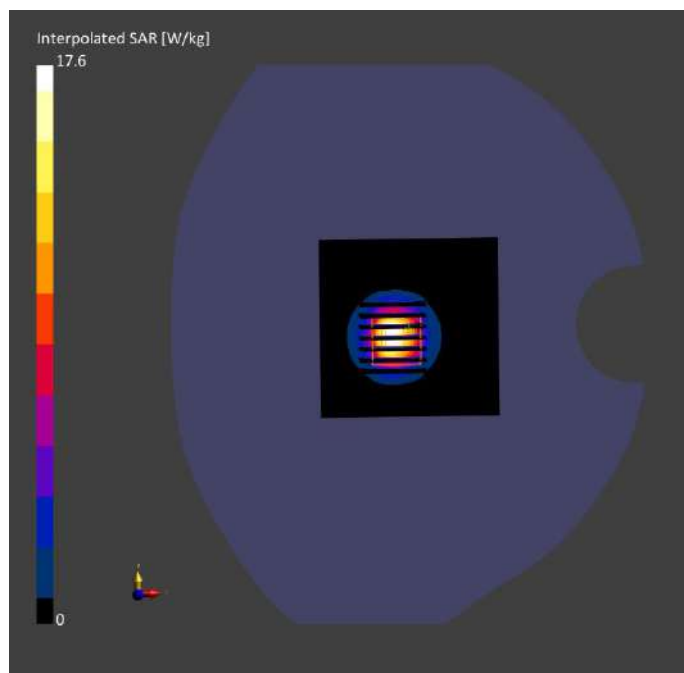
## Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

## Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-22	2025-01-22
psSAR1g [W/kg]	6.26	6.74
psSAR10g [W/kg]	2.44	2.51
Power Drift [dB]	0.11	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor		
[dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		75.3
Dist 3dB Peak [mm]		8.2





System Performance Check Data (3700MHz -DASY8)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivit y [S/m]	TSL Permittivity	Ambient Temperatur e [°C]	Liquid Temperatur e [°C]
Flat, HSL		Custom Band	CW, 0--	3700.0, 3700000	6.94	3.07	38.3	22.2	21.6

Hardware Setup

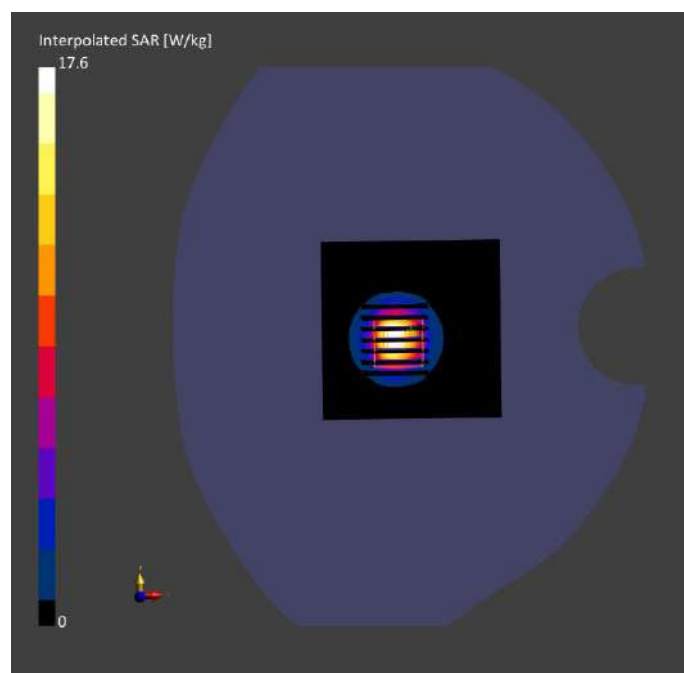
Phantom	TSL, Measured Date		Probe, Calibration Date		DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000	2025-01-23	EX3DV4 - SN7510,	2024-06-25	DAE4 Sn905, 2024-06-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-23	2025-01-23
psSAR1g [W/kg]	6.36	6.77
psSAR10g [W/kg]	2.48	2.56
Power Drift [dB]	0.13	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor		
[dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		75.5
Dist 3dB Peak [mm]		8.4



System Performance Check Data (3700MHz -DASY8)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivit y [S/m]	TSL Permittivity	Ambient Temperatur e [°C]	Liquid Temperatur e [°C]
Flat, HSL		Custom Band	CW, 0--	3700.0, 3700000	6.94	3.01	37.8	22.1	21.4

Hardware Setup

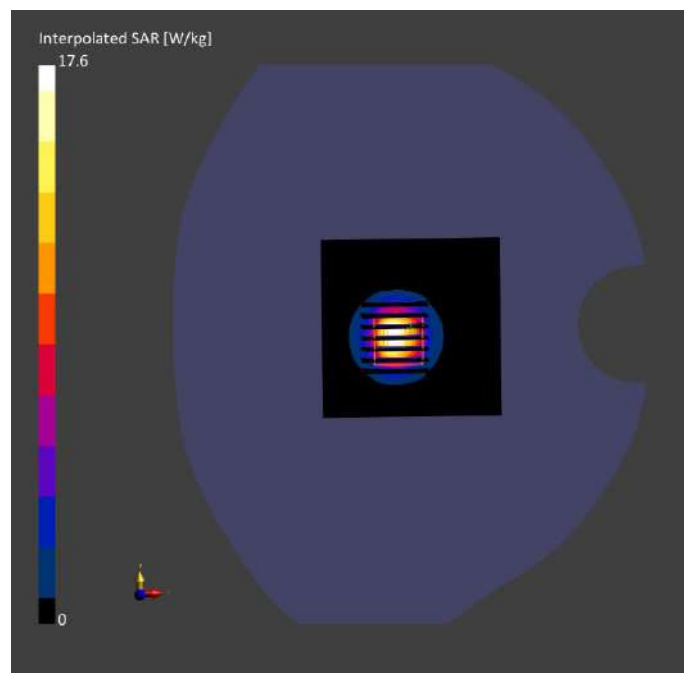
Phantom	TSL, Measured Date		Probe, Calibration Date		DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000	2025-01-24	EX3DV4 - SN7510,	2024-06-25	DAE4 Sn905, 2024-06-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-24	2025-01-24
psSAR1g [W/kg]	6.33	6.68
psSAR10g [W/kg]	2.36	2.45
Power Drift [dB]	0.08	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor		
[dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		75.6
Dist 3dB Peak [mm]		8.6



System Performance Check Data (3900MHz -DASY8)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivit y [S/m]	TSL Permittivity	Ambient Temperatur e [°C]	Liquid Temperatur e [°C]
Flat, HSL		Custom Band	CW, 0--	3900.0, 3900000	6.85	3.25	37.5	22.4	21.6

Hardware Setup

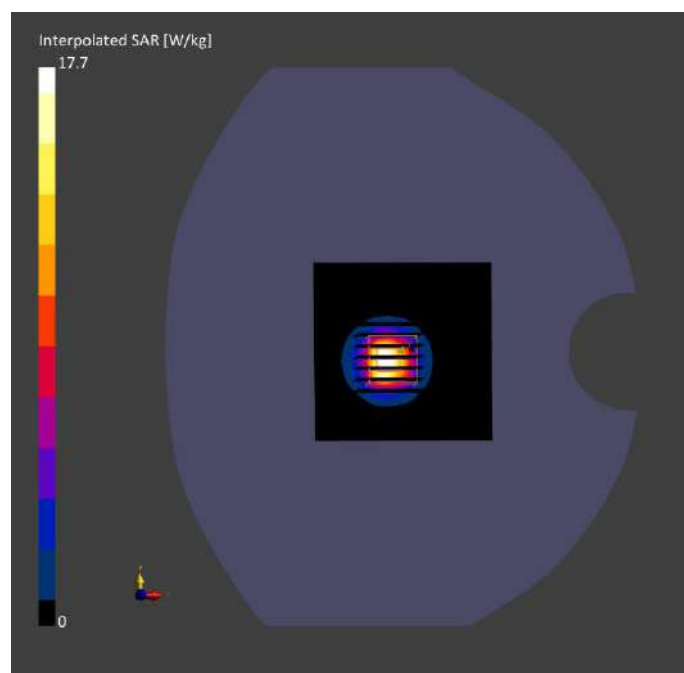
Phantom	TSL, Measured Date		Probe, Calibration Date		DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000	2025-01-19	EX3DV4 - SN7510,	2024-06-25	DAE4 Sn905, 2024-06-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-19	2025-01-19
psSAR1g [W/kg]	6.06	6.84
psSAR10g [W/kg]	2.20	2.37
Power Drift [dB]	0.00	0.02
Power Scaling	Disabled	Disabled
Scaling Factor		
[dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		75.4
Dist 3dB Peak [mm]		8.0



System Performance Check Data (3900MHz -DASY8)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivit y [S/m]	TSL Permittivity	Ambient Temperatur e [°C]	Liquid Temperatur e [°C]
Flat, HSL		Custom Band	CW, 0--	3900.0, 3900000	6.85	3.30	37.1	22.2	21.5

Hardware Setup

Phantom	TSL, Measured Date		Probe, Calibration Date		DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000	2025-01-20	EX3DV4 - SN7510,	2024-06-25	DAE4 Sn905, 2024-06-28

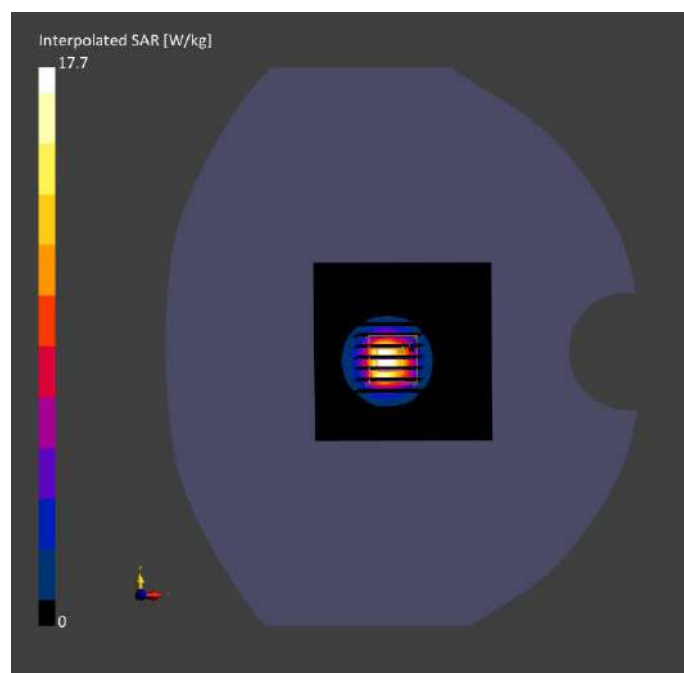
Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-20	2025-01-20
psSAR1g [W/kg]	6.36	6.89
psSAR10g [W/kg]	2.11	2.35
Power Drift [dB]	0.07	0.09
Power Scaling	Disabled	Disabled
Scaling Factor		
[dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		75.5
Dist 3dB Peak [mm]		8.1





System Performance Check Data (2450MHz -DASY8)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivit y [S/m]	TSL Permittivity	Ambient Temperatur e [°C]	Liquid Temperatur e [°C]
Flat, HSL		D2450	CW, 0--	2450.0, 50	6.98	1.80	38.9	22.3	21.7

Hardware Setup

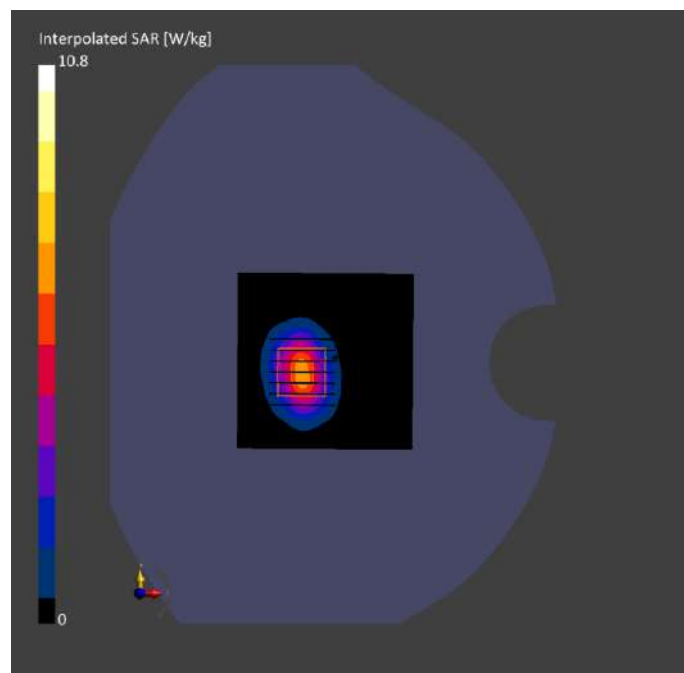
Phantom	TSL, Measured Date		Probe, Calibration Date		DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000	2025-01-21	EX3DV4 - SN7893,	2024-09-05	DAE4 Sn1711, 2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-21	2025-01-21
psSAR1g [W/kg]	5.12	5.34
psSAR10g [W/kg]	2.29	2.55
Power Drift [dB]	0.06	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor		
[dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.6
Dist 3dB Peak [mm]		9.4



System Performance Check Data (5250MHz -DASY8)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivit y [S/m]	TSL Permittivity	Ambient Temperatur e [°C]	Liquid Temperatur e [°C]
Flat, HSL		D5GHz	CW, 0--	5250.0, 25	5.44	4.64	35.8	22.1	21.2

Hardware Setup

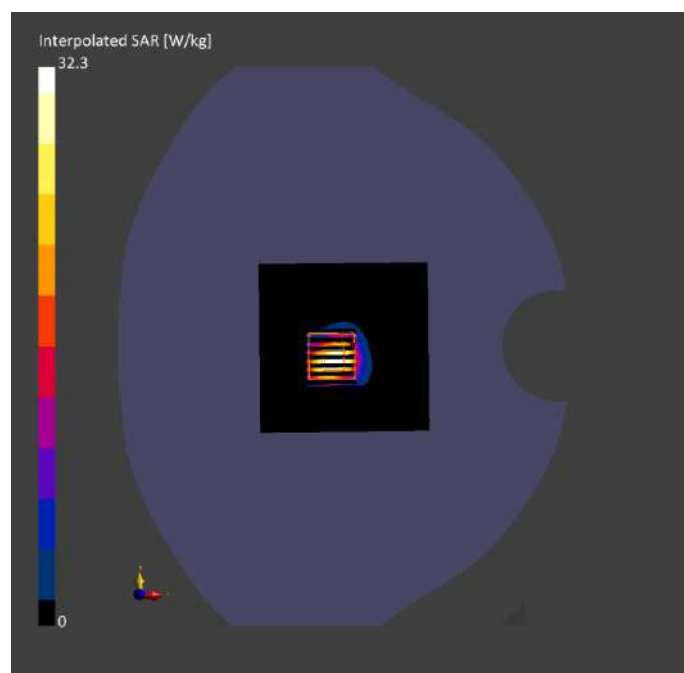
Phantom	TSL, Measured Date		Probe, Calibration Date		DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000	2025-01-22	EX3DV4 - SN7893, 2024-09-05		DAE4 Sn1711, 2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-22	2025-01-22
psSAR1g [W/kg]	7.65	7.95
psSAR10g [W/kg]	2.14	2.17
Power Drift [dB]	-0.01	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor		
[dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		69.5
Dist 3dB Peak [mm]		7.5



System Performance Check Data (5600MHz -DASY8)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivit y [S/m]	TSL Permittivity	Ambient Temperatur e [°C]	Liquid Temperatur e [°C]
Flat, HSL		D5GHz	CW, 0--	5600.0, 60	4.91	5.00	34.8	22.5	21.7

Hardware Setup

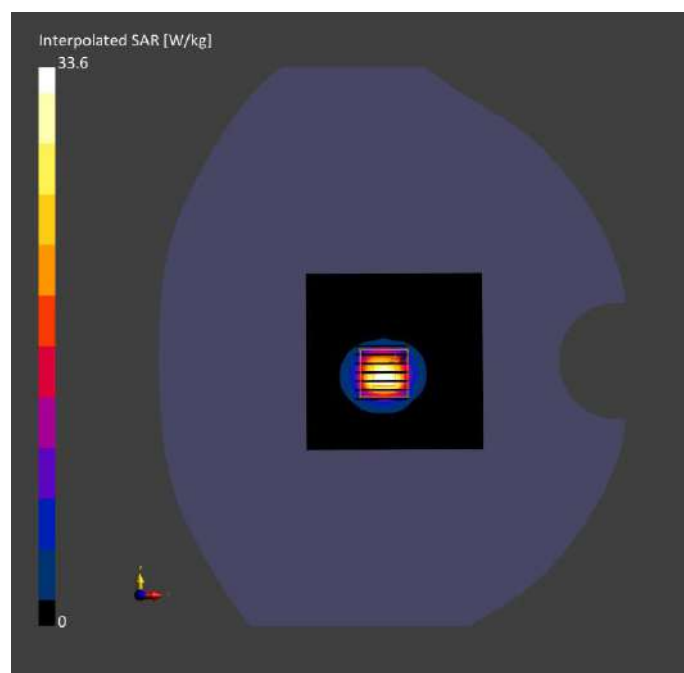
Phantom	TSL, Measured Date		Probe, Calibration Date		DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000	2025-01-23	EX3DV4 - SN7893, 2024-09-05		DAE4 Sn1711, 2024-03-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-23	2025-01-23
psSAR1g [W/kg]	7.95	8.53
psSAR10g [W/kg]	2.15	2.31
Power Drift [dB]	0.02	0.01
Power Scaling	Disabled	Disabled
Scaling Factor		
[dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		64.3
Dist 3dB Peak [mm]		7.7



System Performance Check Data (5750MHz -DASY8)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivit y [S/m]	TSL Permittivity	Ambient Temperatur e [°C]	Liquid Temperatur e [°C]
Flat, HSL		D5GHz	CW, 0--	5750.0, 75	4.98	5.19	35.4	22.3	21.5

Hardware Setup

Phantom	TSL, Measured Date		Probe, Calibration Date		DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2090	HBBL-600-10000	2025-01-24	EX3DV4 - SN7893,	2024-09-05	DAE4 Sn1711, 2024-03-18

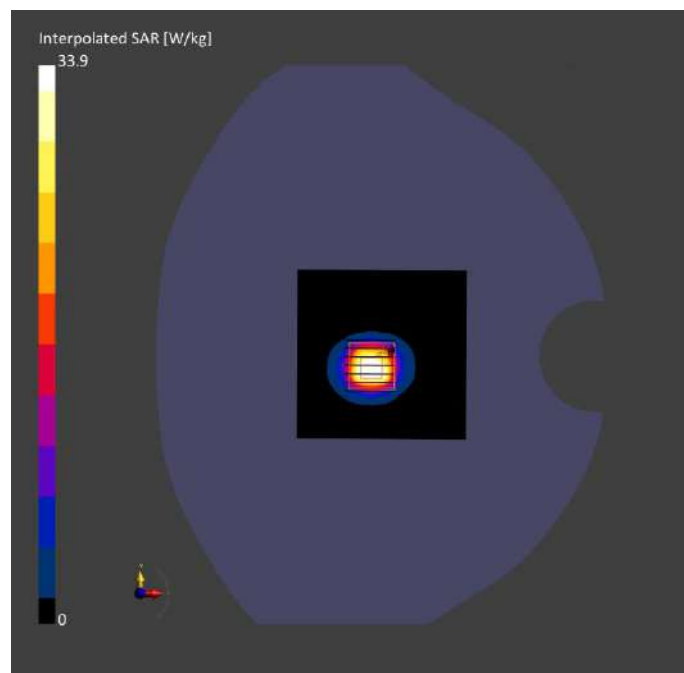
Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-24	2025-01-24
psSAR1g [W/kg]	7.63	8.09
psSAR10g [W/kg]	2.08	2.14
Power Drift [dB]	-0.08	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor		
[dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		61.2
Dist 3dB Peak [mm]		7.7





## ANNEX C TEST DATA

### Meas.1 Right Head with Cheek on High Channel in GPRS850 1 Slots mode with Antenna 13

Date: 2025.01.09

Communication System Band: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.929$  S/m;  $\epsilon_r = 40.926$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch251/Area Scan (71x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.589 W/kg

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

Reference Value = 19.48 V/m; Power Drift = -0.02 dB

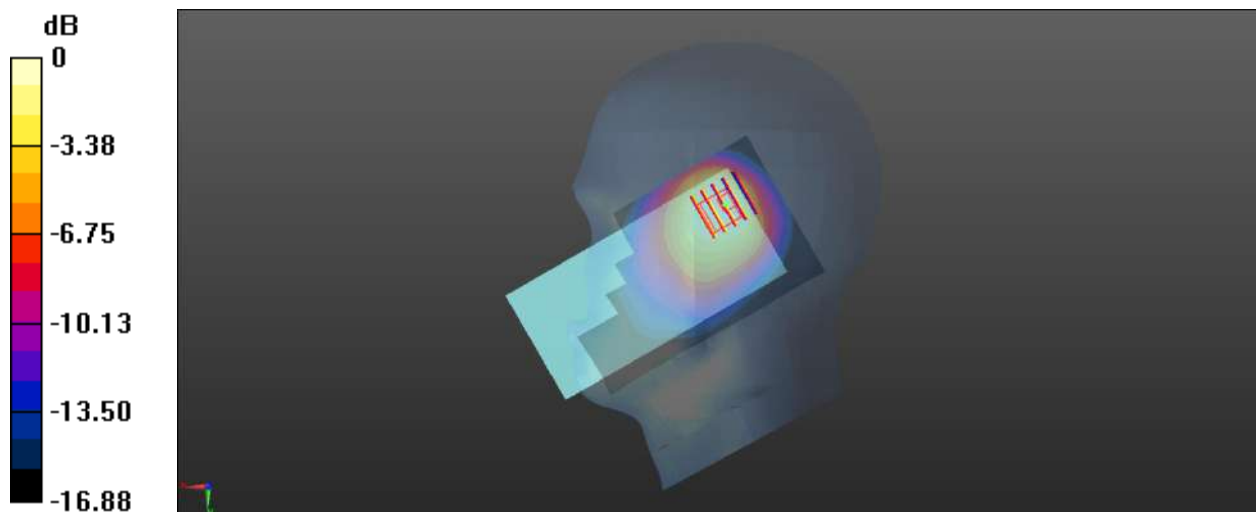
Peak SAR (extrapolated) = 0.868 W/kg

**SAR(1 g) = 0.448 W/kg; SAR(10 g) = 0.276 W/kg**

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

Ratio of SAR at M2 to SAR at M1 = 63.2%

Maximum value of SAR (measured) = 0.470 W/kg



0 dB = 0.470 W/kg

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

### 31

Date: 2025.01.09

Communication System Band: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.929$  S/m;  $\epsilon_r = 40.926$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch251/Area Scan (71x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.138 W/kg

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

Reference Value = 10.80 V/m; Power Drift = -0.12 dB

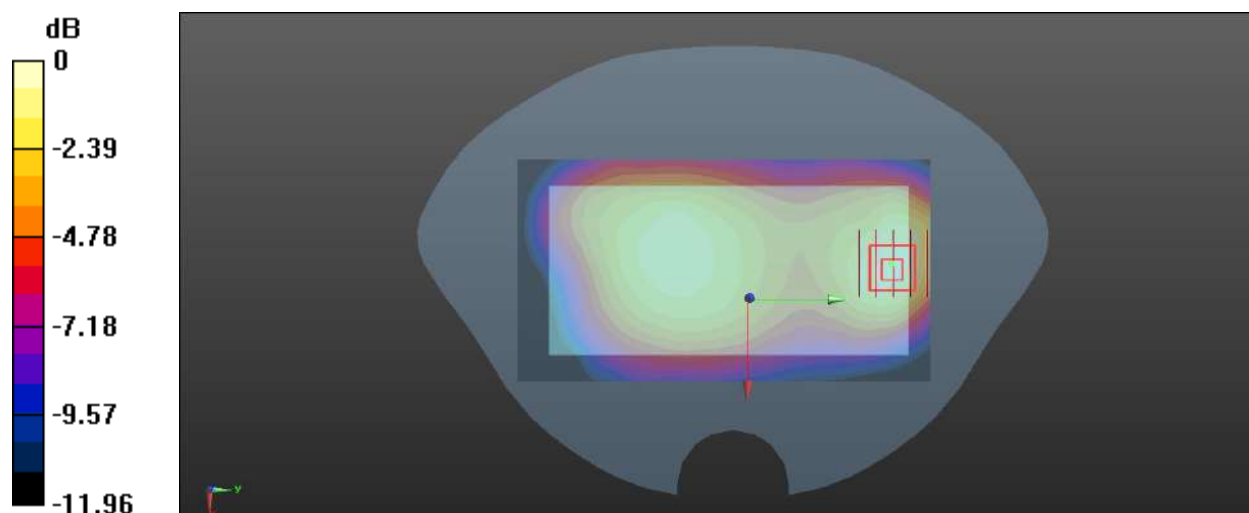
Peak SAR (extrapolated) = 0.205 W/kg

**SAR(1 g) = 0.133 W/kg; SAR(10 g) = 0.082 W/kg**

Smallest distance from peaks to all points 3 dB below = 18.1 mm

Ratio of SAR at M2 to SAR at M1 = 65.7%

Maximum value of SAR (measured) = 0.148 W/kg



0 dB = 0.148 W/kg

### Meas.3 Body Plane with Back Side 10mm on High Channel in GPRS850 2Slots mode with Antenna 13

Date: 2025.01.09

Communication System Band: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.929$  S/m;  $\epsilon_r = 40.926$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch251/Area Scan (71x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.275 W/kg

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

Reference Value = 13.12 V/m; Power Drift = -0.14 dB

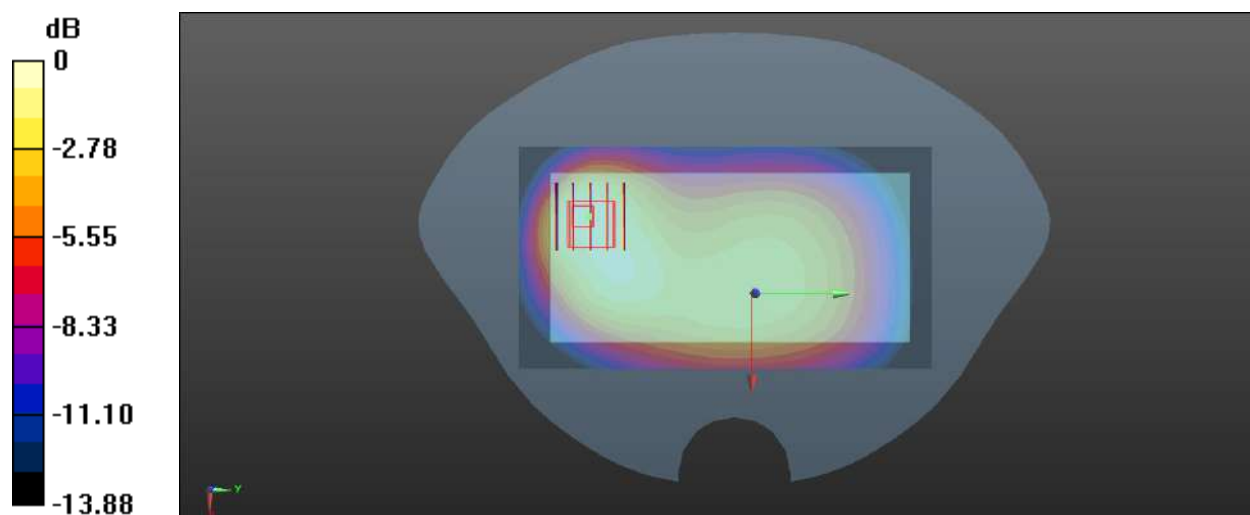
Peak SAR (extrapolated) = 0.382 W/kg

**SAR(1 g) = 0.232 W/kg; SAR(10 g) = 0.145 W/kg**

Smallest distance from peaks to all points 3 dB below = 12.2 mm

Ratio of SAR at M2 to SAR at M1 = 63.2%

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



0 dB = 0.250 W/kg

#### **Meas.4 Right Head with Tilt on High Channel in GPRS1900 2SLots mode with Antenna 13**

Date: 2025.01.21

Communication System Band: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated):  $f = 1909.8$  MHz;  $\sigma = 1.418$  S/m;  $\epsilon_r = 39.521$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.19, 7.19, 7.19); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch810/Area Scan (71x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.97 V/m; Power Drift = -0.03 dB

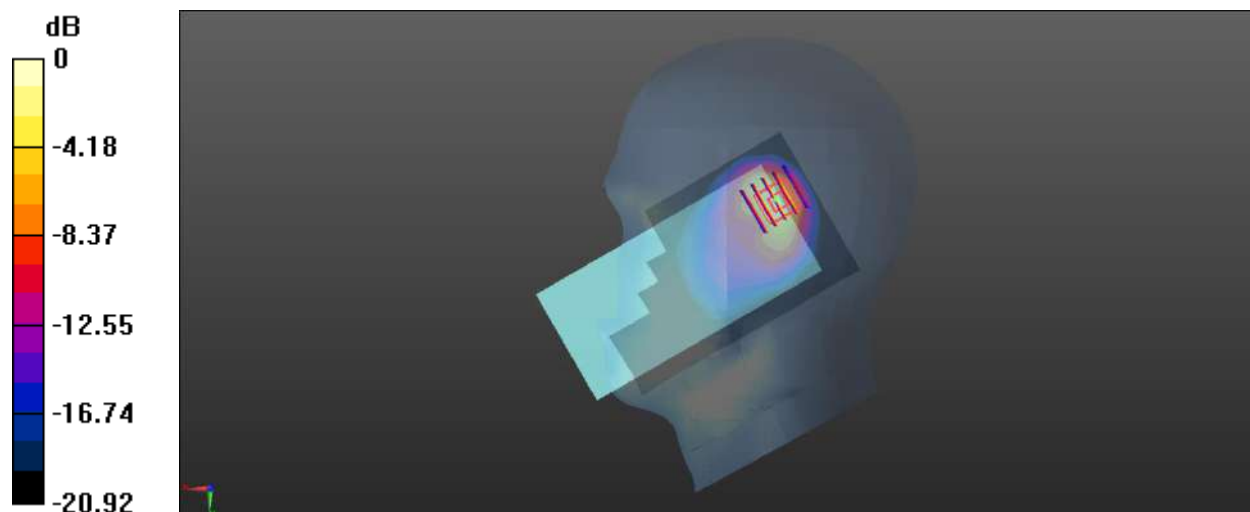
Peak SAR (extrapolated) = 1.33 W/kg

**SAR(1 g) = 0.629 W/kg; SAR(10 g) = 0.276 W/kg**

Smallest distance from peaks to all points 3 dB below = 8.5 mm

Ratio of SAR at M2 to SAR at M1 = 50.5%

Maximum value of SAR (measured) = 0.764 W/kg



0 dB = 0.764 W/kg

### Meas.5 Body Plane with Back Side 15mm on Low Channel in GPRS1900 2Slots mode with Antenna 31

Date: 2025.01.21

Communication System Band: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.392$  S/m;  $\epsilon_r = 40.396$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.19, 7.19, 7.19); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.194 W/kg

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

Reference Value = 6.230 V/m; Power Drift = 0.08 dB

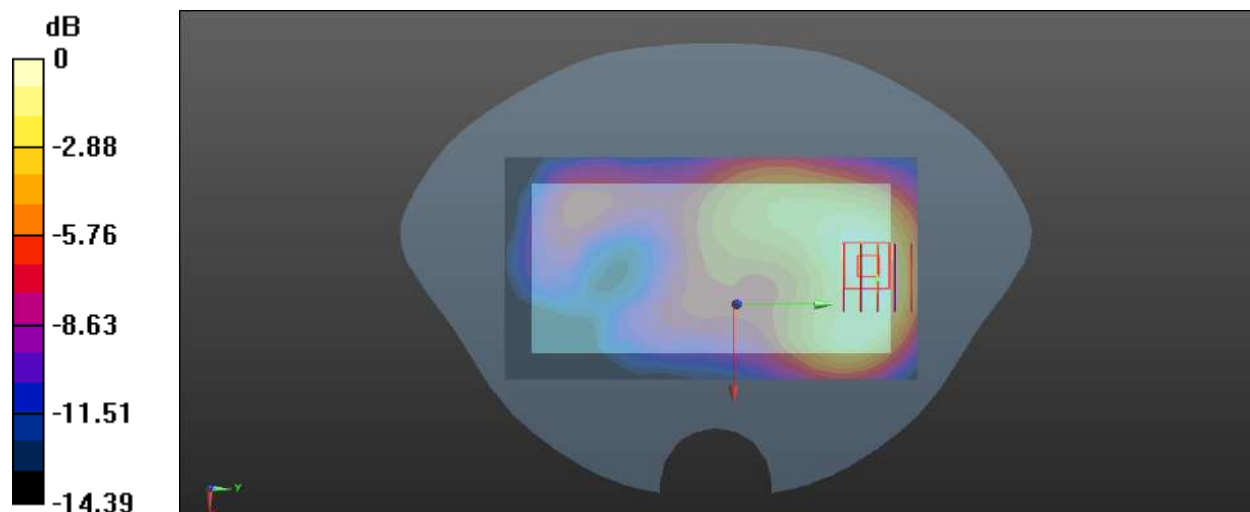
Peak SAR (extrapolated) = 0.289 W/kg

**SAR(1 g) = 0.188 W/kg; SAR(10 g) = 0.118 W/kg**

Smallest distance from peaks to all points 3 dB below = 17.9 mm

Ratio of SAR at M2 to SAR at M1 = 64.8%

Maximum value of SAR (measured) = 0.198 W/kg



0 dB = 0.198 W/kg

### Meas.6 Body Plane with Bottom Edge 10mm on Low Channel in GPRS1900 2slots mode with Antenna 31

Date: 2025.01.21

Communication System Band: PCS 1900 ; Frequency: 1850.2 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.392$  S/m;  $\epsilon_r = 40.396$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient Temperature:22.4℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.19, 7.19, 7.19); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch512/Area Scan (51x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.786 W/kg

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

Reference Value = 20.94 V/m; Power Drift = 0.03 dB

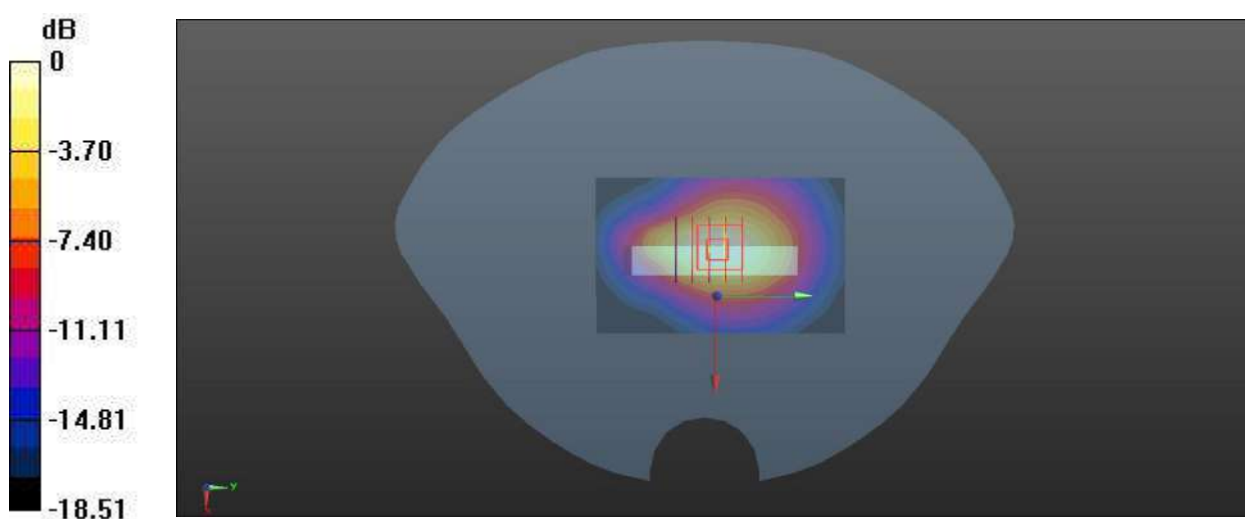
Peak SAR (extrapolated) = 1.13 W/kg

**SAR(1 g) = 0.683 W/kg; SAR(10 g) = 0.392 W/kg**

Smallest distance from peaks to all points 3 dB below = 12.2 mm

Ratio of SAR at M2 to SAR at M1 = 61.1%

Maximum value of SAR (measured) = 0.747 W/kg



0 dB = 0.747 W/kg

**Meas.7 Right Head with Tilt on High Channel in WCDMA Band2 mode with Antenna 13**

Date: 2025.01.21

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

Medium parameters used (interpolated):  $f = 1907.6$  MHz;  $\sigma = 1.412$  S/m;  $\epsilon_r = 39.604$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Ambient Temperature:22.4℃ Liquid Temperature:21.3℃

## DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.19, 7.19, 7.19); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

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

Reference Value = 16.34 V/m; Power Drift = -0.02 dB

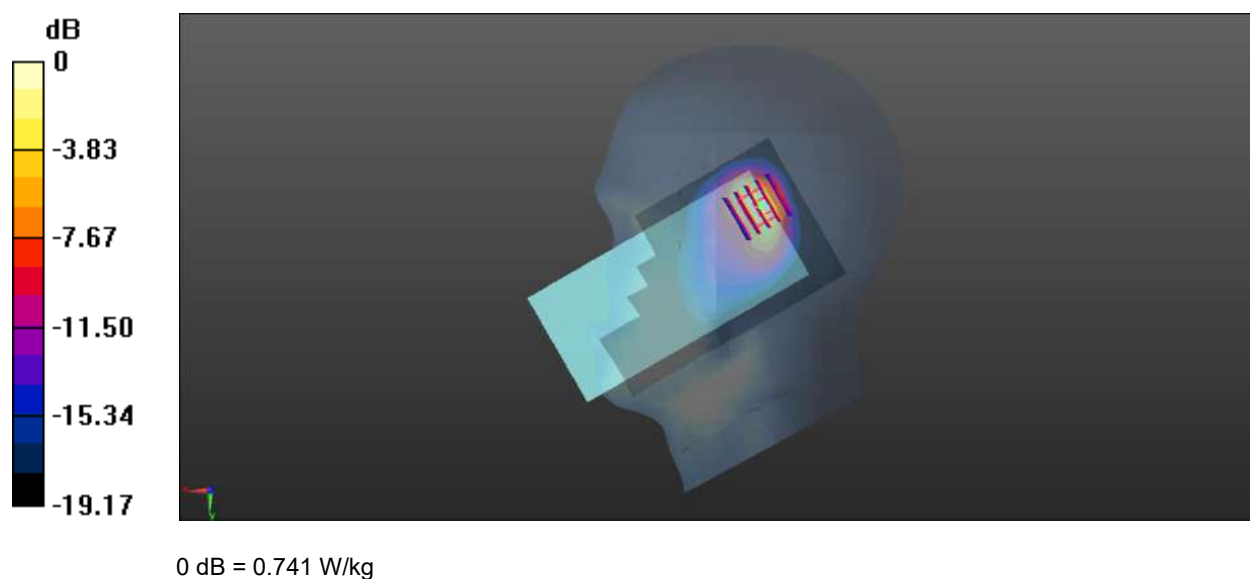
Peak SAR (extrapolated) = 1.26 W/kg

**SAR(1 g) = 0.617 W/kg; SAR(10 g) = 0.273 W/kg**

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

Ratio of SAR at M2 to SAR at M1 = 51.4%

Maximum value of SAR (measured) = 0.741 W/kg



### Meas.8 Body Plane with Back Side 15mm on High Channel in WCDMA Band2 mode with Antenna 13

Date: 2025.01.21

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

Medium parameters used (interpolated):  $f = 1907.6$  MHz;  $\sigma = 1.412$  S/m;  $\epsilon_r = 39.604$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.3°C



## DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.19, 7.19, 7.19); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024.02.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.443 W/kg

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

Reference Value = 8.697 V/m; Power Drift = -0.02 dB

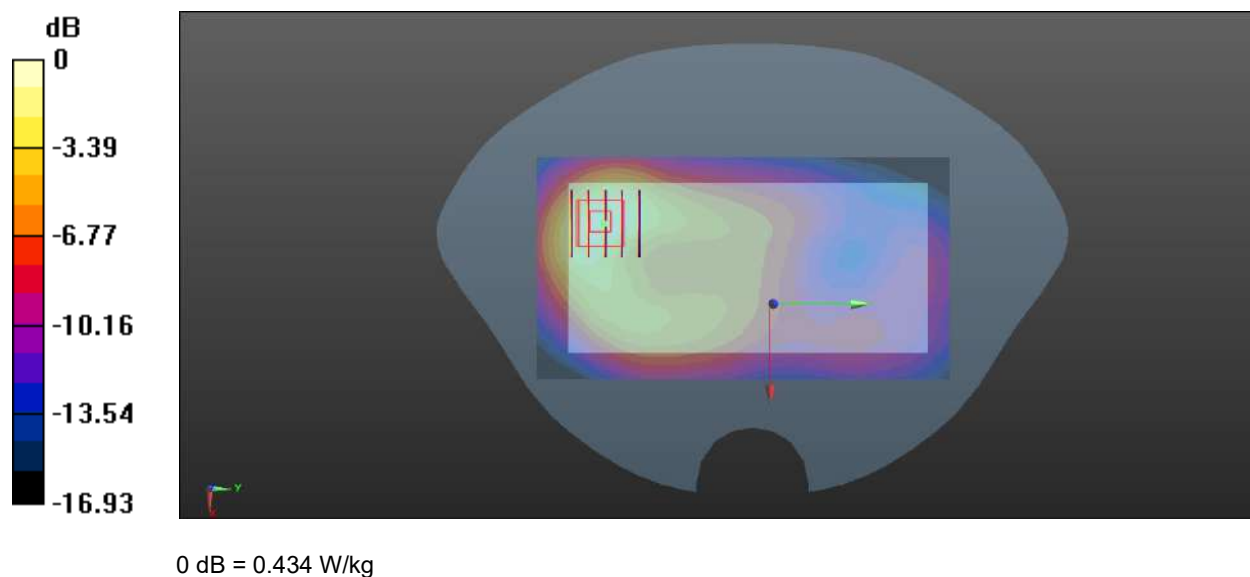
Peak SAR (extrapolated) = 0.659 W/kg

**SAR(1 g) = 0.396 W/kg; SAR(10 g) = 0.227 W/kg**

Smallest distance from peaks to all points 3 dB below = 14.8 mm

Ratio of SAR at M2 to SAR at M1 = 60.4%

Maximum value of SAR (measured) = 0.434 W/kg



### Meas.9 Body Plane with Bottom Edge 10mm on Low Channel in WCDMA Band2 mode with Antenna 31

Date: 2025.01.21

Communication System Band: 2; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.403$  S/m;  $\epsilon_r = 40.208$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient Temperature: 22.4 °C Liquid Temperature: 21.3 °C

## DASY5 Configuration: