TEST REPORT

Applicant:	Xiaomi Communications Co., Ltd.
Address:	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085
Equipment Type:	Mobile Phone
Model Name:	25057RN09G
Brand Name:	Redmi
FCC ID:	2AFZZRN09G
Test Standard:	FCC 47 CFR Part 2.1093 (refer section 3.1)
Maximum SAR:	Head (1 g@0mm): 1.09 W/kg Body-worn (1 g@15mm): 0.62 W/kg Hotspot (1 g@10mm): 0.96 W/kg Specific (10 g@0mm): 2.59 W/kg
Sample Arrival Date:	May 7, 2025
Test Date：	May 7, 2025 – Jun. 4, 2025
Date of Issue:	Jun. 18, 2025

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Zhang Jiwei **Checked by:** Xu Rui **Approved by:** Tolan Tu

(Testing Director)

Zhang Jiwei Xu Rui Tolan Tu

Revision History

Version	Issue Date	Revisions Content
Rev. 01	Jun. 18, 2025	Initial Issue

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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	☐ Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☑ 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℃ to 25℃
Ambient Relative Humidity	30% to 70%

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Xiaomi Communications Co., Ltd.
Address	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

2.2 Manufacturer Information

Manufacturer	Xiaomi Communications Co., Ltd.
Address	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

2.3 Factory Information

Factory	N/A
Address	N/A

2.4 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	25057RN09G
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	135300O19
Software Version	Xiaomi HyperOS 2.0
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A
EUT ID	S02, S09, S10, S11, S12
IMEI Number	S02: IMEI 1: 868392070028289; IMEI 2: 868392070028297
	S09: IMEI 1: 868392070026903; IMEI 2: 868392070026911
	S10: IMEI 1: 868392070026960; IMEI 2: 868392070026978
	S11: IMEI 1: 868392070026861; IMEI 2: 868392070026879
	S12: IMEI 1: 868392070026523; IMEI 2: 868392070026531
Note1: EUT ID is used to identify the test sample in the lab internally. Note2: It is performed to test SAR with the EUT S09, S10, S11, S12 and conducted power with the EUT S02.	

2.5 Ancillary Equipment

Please refer the document “BL-SZ2550149-AW EUT external photo.pdf”.

2.6 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 3G Network WCDMA/HSDPA/HSUPA/HSPA+ Band 2/4/5 4G: LTE FDD B2/ 4/ 5/ 7/ 12/ 13/ 17/ 18/19/26/ 66/ 71 4G: LTE TDD B38/41/42/48 ULCA: CA_38C/ CA_7C/ CA_2A-4A/ CA_4A-5A/ CA_4A-7A/ CA_2A-7A 5G NR SA: n2/ 5/ 7/ 12/ 26/ 38/ 41/ 48/ 66/71/ 77/ 78 5G NR NSA: DC_2A_n78A/ DC_2A_n66A/ DC_2A_n77A/ DC_2A_n38A/ DC_2A_n41A/ DC_4A_n7A/ DC_4A_n38A/ DC_4A_n41A/ DC_4A_n78A/ DC_5A_n7A/ DC_5A_n78A/ DC_5A_n41A/ DC_5A_n66A/ DC_7A_n78A/ DC_7A_n5A/ DC_18A_n77A DC_19A_n78A/ DC_26A_n78A/ DC_66A_n38A/DC_66A_n41A/DC_66A_n78A/DC_66A_n7A DC_38A_n78A/ DC_41A_n78A Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20) 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80) GNSS, NFC
Note: The EUT is a mobile phone, which supports dual SIM card under the same transceiver. Each SIM supports GSM, WCDMA and LTE, and both SIM share the same transmitting electro circuit, NV parameters, so only SIM1 was tested in this report.	

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

Operating Mode	GSM, WCDMA, LTE, 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 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 71	TX: 663 ~ 698 MHz	RX: 617 ~ 652 MHz
	LTE Band 38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	LTE Band 41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	LTE Band 42	TX: 3450 ~ 3550 MHz	RX: 3450 ~ 3550 MHz
	LTE Band 48	TX: 3550 ~ 3700 MHz	RX: 3550 ~ 3700 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 n12	TX: 699 ~ 716 MHz	RX: 729 ~ 746 MHz
	NR n26	TX: 814 ~ 824 MHz	RX: 859 ~ 869 MHz
		TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	NR n66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2200 MHz
	NR n71	TX: 663 ~ 698 MHz	RX: 617 ~ 652 MHz
	NR n38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	NR n41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	NR n48	TX: 3550 ~ 3700 MHz	RX: 3550 ~ 3700 MHz
	NR n77	TX: 3450 ~ 3550 MHz	RX: 3450 ~ 3550 MHz
		TX: 3700 ~ 3980 MHz	RX: 3700~ 3980 MHz
	NR n78	TX: 3450 ~ 3550 MHz	RX: 3450 ~ 3550 MHz
		TX: 3700 ~ 3800 MHz	RX: 3700~ 3980 MHz
	802.11b/g /n(HT20)	2412 ~ 2462 MHz	
	802.11a/ /n(HT20/HT40) /ac(VHT20/VHT40 /VHT80)	5150 ~ 5250 MHz	
		5250 ~ 5350 MHz	
		5470 ~ 5725 MHz	
		5725 ~ 5850 MHz	
	Bluetooth	2402 ~ 2480 MHz	
Antenna Type	WWAN: PIFA Antenna WIFI: PIFA Antenna Bluetooth: PIFA Antenna NFC: Coil Antenna		
DTM	N/A		
Hotspot Function	Support		
Power Reduction	Support		
Exposure Category	General Population/Uncontrolled exposure		
Product Type	Portable Device		
EUT Type	☒ Production unit	☐ 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.

2.7 Antenna Location

Please refer the document “BL-SZ2550149-AI.pdf”.

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/IEEE 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

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

Frequency Band		Maximum Report SAR			
		1g (W/kg)			10g (W/kg)
		Head	Body-worn	Hotspot	Specifc
		(Separation 0mm)	(Separation 15mm)	(Separation 10mm)	(Separation 0mm)
GSM	GSM 850	0.59	0.23	0.42	/
	GSM 1900	1.02	0.43	0.58	1.78
WCDMA	Band 2	1.03	0.38	0.79	2.58
	Band 4	1.07	0.31	0.96	2.48
	Band 5	0.65	0.29	0.49	/
LTE	Band 2	1.04	0.50	0.59	2.55
	Band 4	1.09	0.49	0.71	2.50
	Band 5	0.95	0.29	0.48	/
	Band 7	0.83	0.62	0.61	1.99
	Band 12	1.07	0.42	0.31	/
	Band 13	0.93	0.34	0.26	/
	Band 17	0.98	0.40	0.38	/
	Band 18	0.95	0.20	0.32	/
	Band 19	1.06	0.23	0.37	/
	Band 26	0.88	0.26	0.33	/
	Band 66	1.07	0.40	0.74	2.51
	Band 71	0.91	0.23	0.18	/
	Band 38	1.04	0.25	0.54	2.56
	Band 41	0.99	0.32	0.79	2.59
	Band 42	0.98	0.15	0.28	/
	Band 48	0.79	0.31	0.46	/
NR	N2	1.04	0.58	0.80	2.28
	N5	0.86	0.21	0.42	/
	N7	1.08	0.42	0.69	2.44
	N12	1.06	0.18	0.32	/
	N26	1.05	0.18	0.40	/
	N66	0.97	0.42	0.53	2.19
	N71	0.91	0.19	0.29	/
	N38	0.97	0.41	0.81	2.55
	N41	0.85	0.32	0.95	2.10
	N48	0.92	0.26	0.76	2.54
	N77	0.69	0.22	0.53	/
	N78	0.70	0.22	0.36	/
WIFI	2.4 G	0.64	0.19	0.37	1.05

	5.2G	/	/	0.78	/
	5.3G	0.67	0.32	/	1.90
	5.6 G	0.48	0.31	/	1.42
	5.8 G	0.15	0.04	0.06	0.16
Bluetooth	DH5	0.23	0.02	0.05	0.13
Maximum Report SAR		1.09	0.62	0.96	2.59
Limits (W/kg)		1.6	1.6	1.6	4.0
Test Verdict		Pass			

3.3.2 Highest Simultaneous Transmission SAR Values

Equipment Class	Maximum Report SAR			
	1g (W/kg)			10g (W/kg)
	Head	Body-worn	Hotspot	Specifc
	(Separation 0mm)	(Separation 15mm)	(Separation 10mm)	(Separation 0mm)
PCE	1.59	1.46	1.37	3.64
DTS	1.51	1.46	1.37	3.64
NII	1.59	1.45	1.27	3.54
DSS	1.59	1.45	1.27	3.54
Limit (W/Kg)	1.6	1.6	1.6	4
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 1.09 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 2.59 W/kg, which is lower than 3.75 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

4 MEASUREMENT SYSTEM

4.1 Specific Absorption Rate (SAR) Definition

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

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

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

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

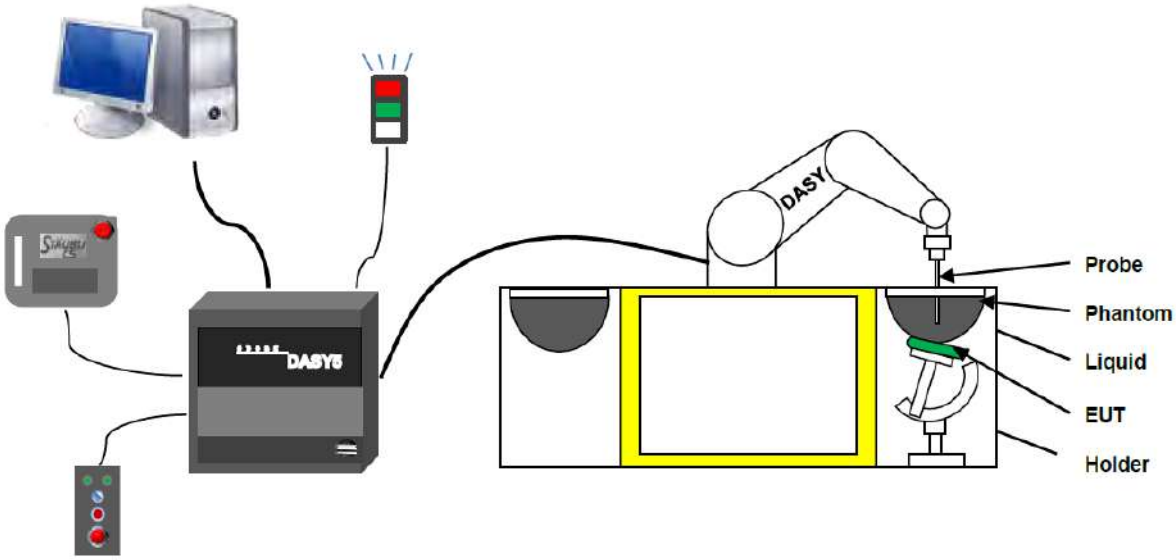
$$\mathbf{SAR} = \frac{\sigma \mathrm{E}^2}{\rho}$$

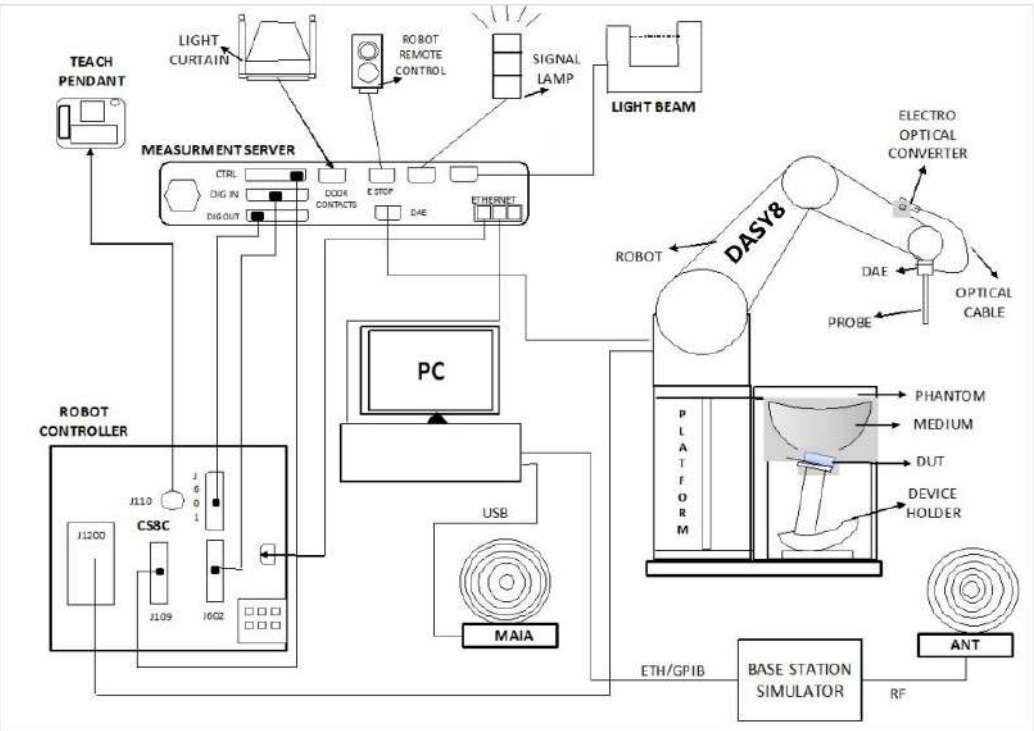
Where: σ is the conductivity of the tissue,

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

4.2 DASY SAR System

4.2.1 DASY SAR System Diagram





The 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

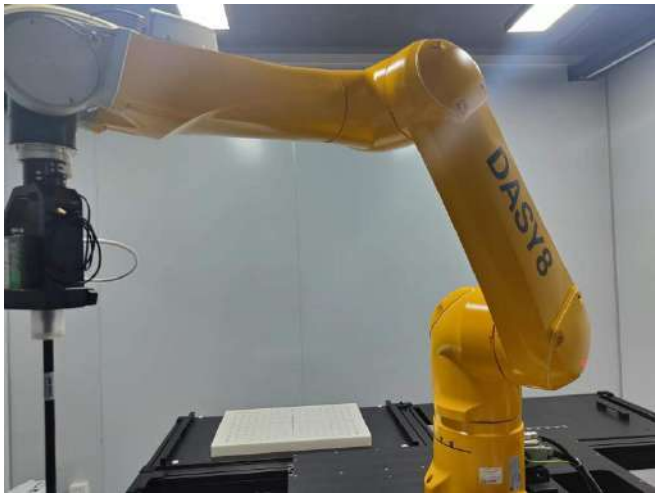
battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.

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



4.2.3 E-Field Probe

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

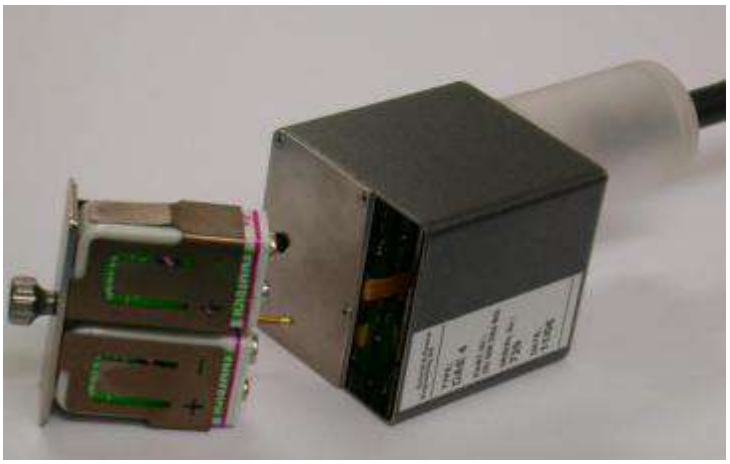
Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection systemBuilt-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	10 MHz to 6 GHz;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

E-Field Probe Calibration Process

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

4.2.4 Data Acquisition Electronics

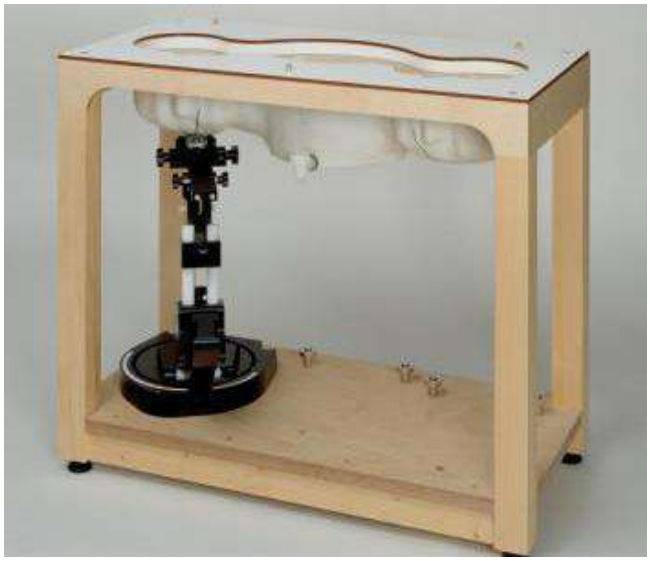
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an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



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

4.2.5 Phantoms

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



- Left head
- Right head
- Flat phantom

Photo of Phantom SN2090

Photo of Phantom SN1576

Photo of Phantom SN1859

Serial Number	Material	Length	Height
SN 2090 SAM1	Vinylester, glass fiber reinforced	1000	500
SN 1576 SAM2	Vinylester, glass fiber reinforced	1000	500
SN 1859 SAM2	Vinylester, glass fiber reinforced	1000	500

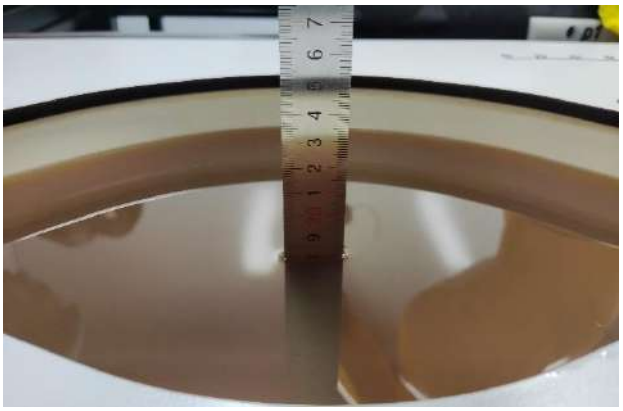
4.2.6 Device Holder

The DASY5 device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of 65°. The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. This device holder is used for standard mobile phones or PDA"s only. If necessary an additional support of polystyrene material is used. Larger DUT"s (e.g. notebooks) cannot be tested using this device holder. Instead a support of bigger polystyrene cubes and thin polystyrene plates is used to position the DUT in all relevant positions to find and measure spots with maximum SAR values. Therefore those devices are normally only tested at the flat part of the SAM.

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

4.2.7 Simulating Liquid

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

Head Liquid Depth	Body Liquid Depth
	

The following table gives the recipes for tissue simulating liquid.

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

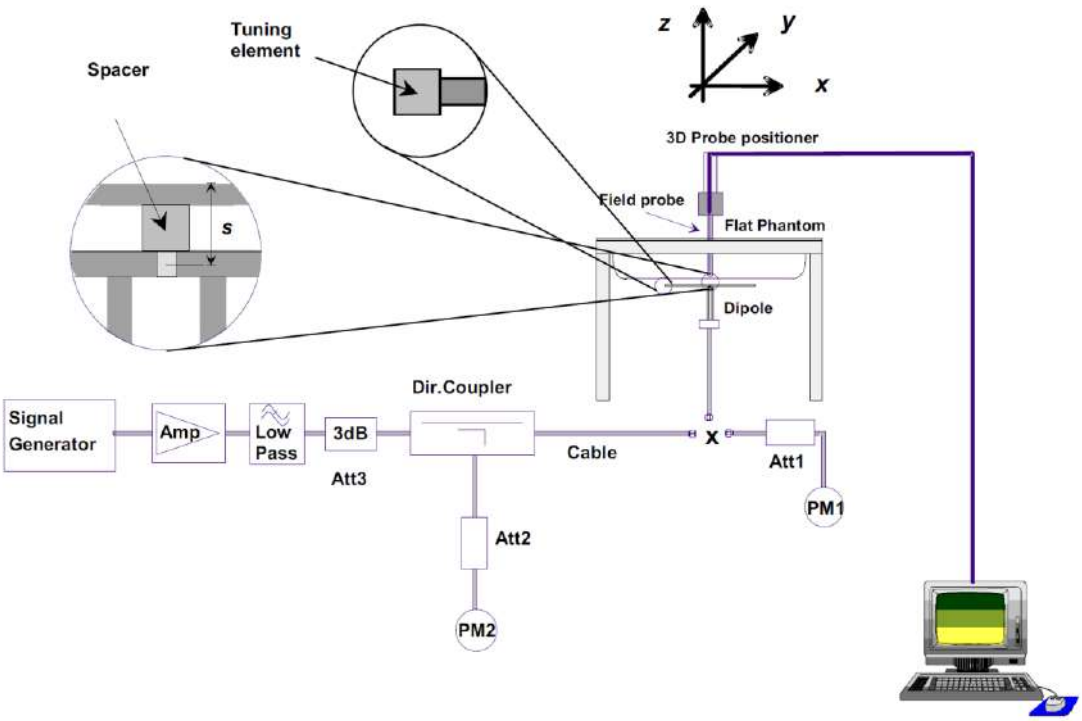
5 SYSTEM VERIFICATION

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

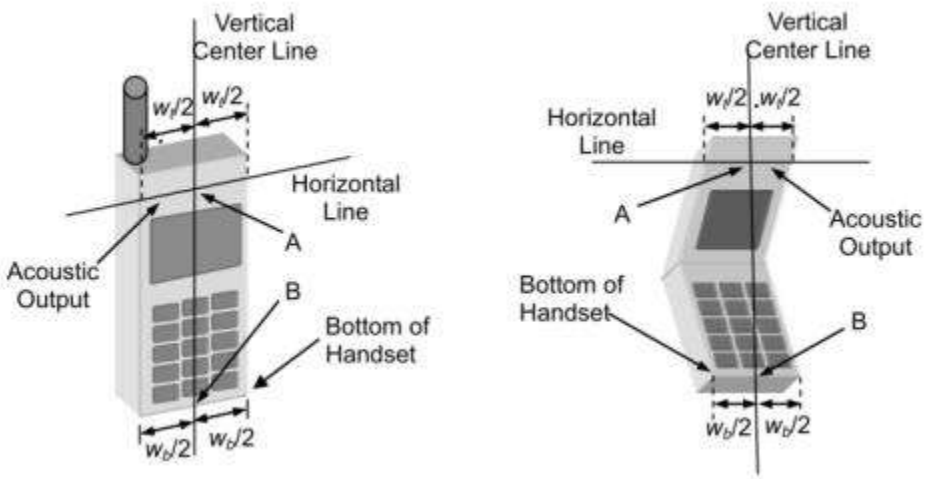
Head exposure is limited to next to the ear voice mode operations. Head SAR compliance is tested according to the test positions defined in IEEE Std 1528-2013 using the SAM phantom illustrated as below.

6.1.1 Two Imaginary Lines on the Handset

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

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

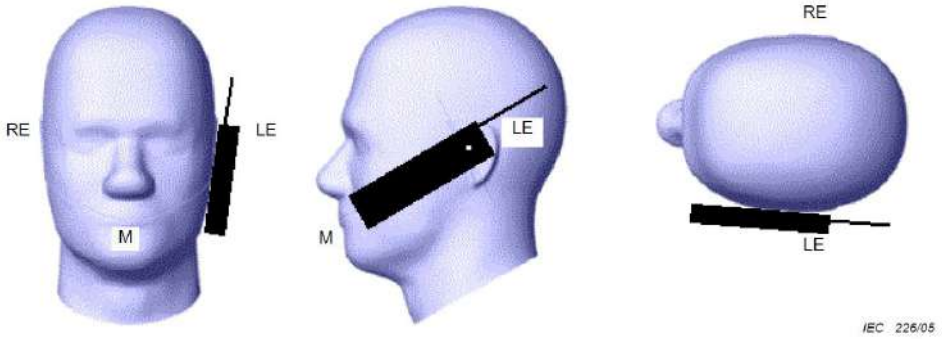
(c) The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical center line is not necessarily parallel to the front face of the handset,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



6.1.2 Cheek Position

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

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



6.1.3 Tilted Position

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

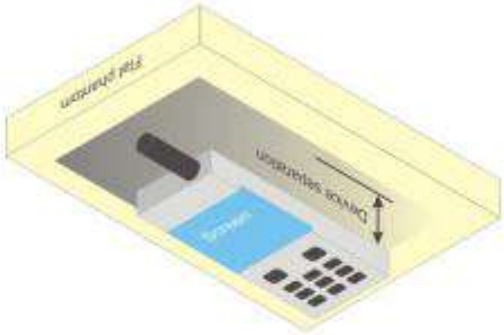
(b) While maintaining the device the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until contact with the ear is lost.

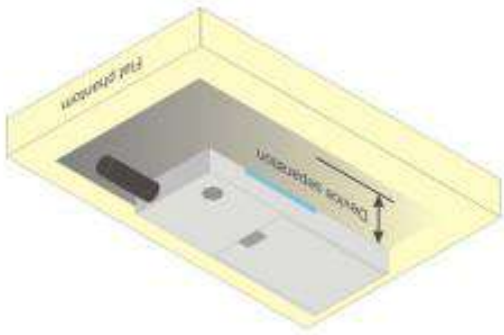
6.2 Body-worn Position Conditions

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

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

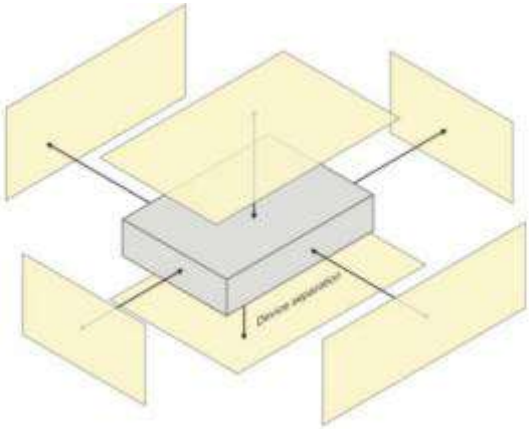
Body-worn accessory SAR compliance is based on a single minimum test separation distance for all wireless and operating modes applicable to each body-worn accessory used by the host, and according to the relevant voice and/or data mode transmissions and operations. If a body-worn accessory supports voice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





6.3 Hotspot Mode Exposure Position Conditions

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



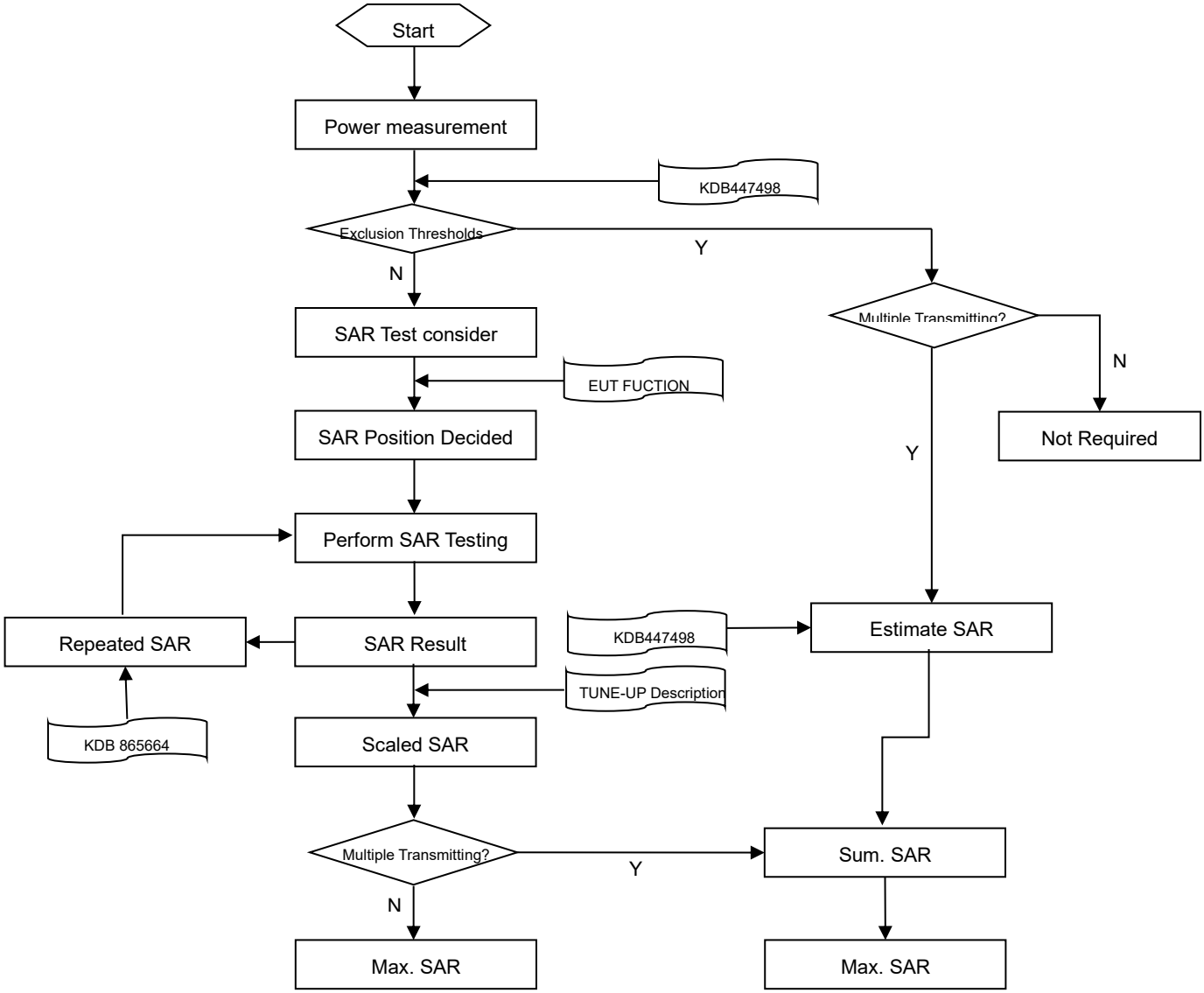
6.4 Product Specific 10g Exposure Consideration

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

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

7 MEASUREMENT PROCEDURE

7.1 Measurement Process Diagram



7.2 SAR Scan General Requirement

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

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

7.3 Measurement Procedure

The following steps are used for each test position

a. Establish a call with the maximum output power with a base station simulator. The connection between the mobile and the base station simulator is established via air interface

b. Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible power drift.

c. Measurement of the SAR distribution with a grid of 8 to 16mm * 8 to16 mm and a constant distance to the inner surface of the phantom. Since the sensors cannot directly measure at the inner phantom surface, the values between the sensors and the inner phantom surface are extrapolated. With these values the area of the maximum SAR is calculated by an interpolation scheme.

d. Around this point, a cube of 30 * 30 * 30 mm or 32 * 32 *32 mm is assessed by measuring 5 or 8 * 5 or 8*4 or 5 mm. With these data, the peak spatial-average SAR value can be calculated.

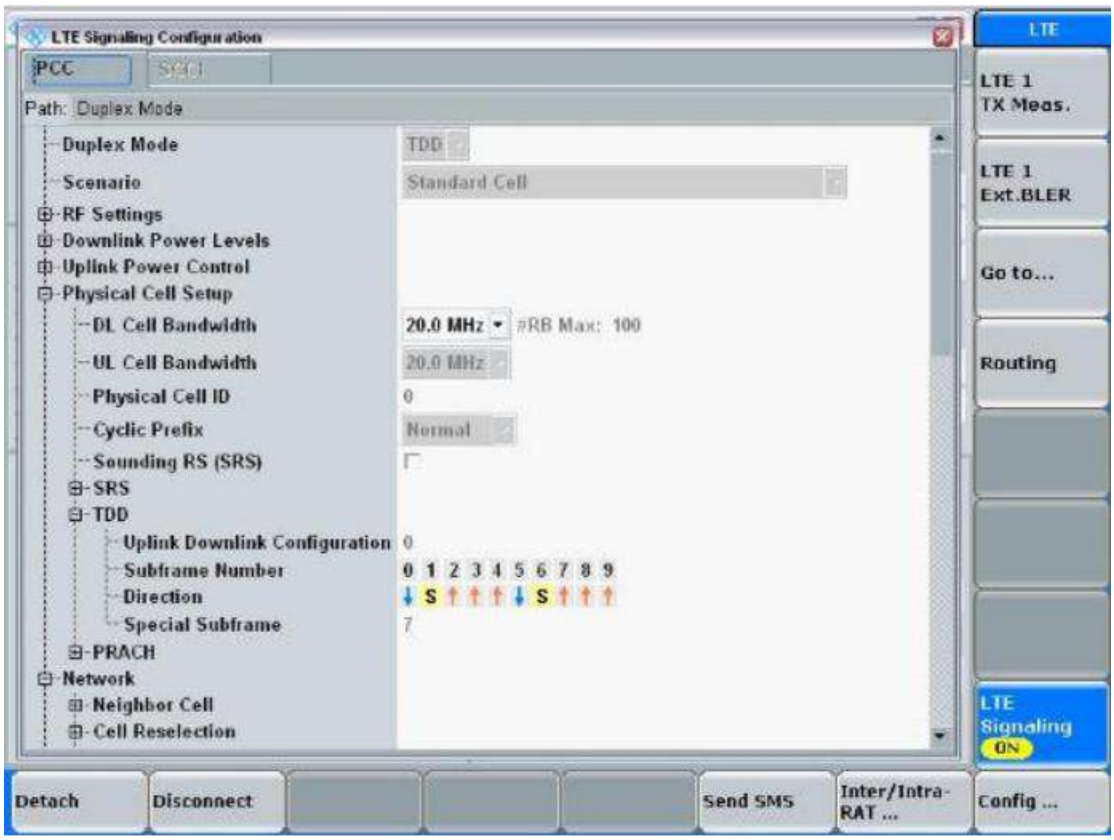
7.4 Area & Zoom Scan Procedure

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

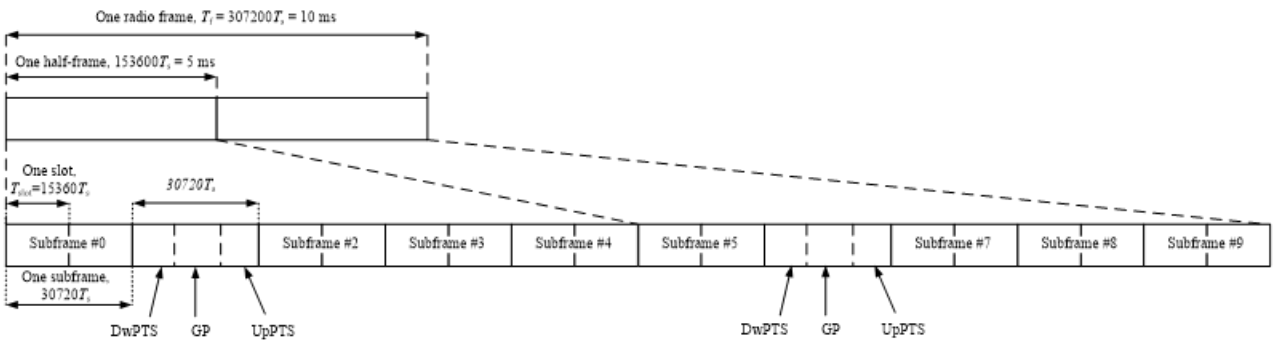
When the 1 g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR.

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 (Tf=307200*TS =10ms) of two half-frames of length (153600*TS =5ms). Each half-frame consists of five sub-frames of length (30720*TS =1ms)



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*T_S =1ms.

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	$26336 \cdot T_s$			$7680 \cdot T_s$	$2560 \cdot T_s$	$5120 \cdot T_s$
5	$6592 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$	$20480 \cdot T_s$		
6	$19760 \cdot T_s$			$23040 \cdot T_s$		
7	$21592 \cdot T_s$			$12800 \cdot T_s$		
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.Ts/30720.Ts*1ms=0.167ms

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*1 ms+2*0.167 ms=6.334ms**
So, the duty cycle for TDD-LTE is: **6.334ms/10ms =1: 1.58**

8 CONDUCTED RF OUPUT POWER

8.1 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/limbs exposure conditions will trigger the body/limbs 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/limbs exposure.
5.The device employs proximity sensors that detect the presence of the user's body/limbs of the device. When
these conditions are detected, Body/Limbs reduced power will be active.
6.When the proximity sensor fails, the power is reduced to DSI3 the corresponding Sensor On scenario.

WWAN Reduced power level table

Mode	Antenna	WWAN Antenna								
		Full Power	Receiver on	Receiver off						
			Head	Body-Worn			Hotspot	Specific		
			Standalone & Simultaneous transmission	Standalone & Simultaneous transmission			Simultaneous transmission	Standalone & Simultaneous transmission		
		Off	DSI1	DSI2	DSI3	DSI4	DSI5	DSI2	DSI3	DSI4
GSM 850	Ant.4	33.50	30.00	33.50	32.50	33.50	30.00	33.50	32.50	33.50
GPRS850 1 Tx Slot	Ant.4	33.50	30.00	33.50	32.50	33.50	30.00	33.50	32.50	33.50
GPRS850 2 Tx Slot	Ant.4	31.00	27.50	31.00	30.00	31.00	27.50	31.00	30.00	31.00
GPRS850 3 Tx Slot	Ant.4	29.50	26.00	29.50	28.50	29.50	26.00	29.50	28.50	29.50
GPRS850 4 Tx Slot	Ant.4	27.50	24.00	27.50	26.50	27.50	24.00	27.50	26.50	27.50
EGPRS850 1 Tx Slot	Ant.4	27.20	24.50	27.20	27.00	27.20	24.50	27.20	27.00	27.20
EGPRS850 2 Tx Slot	Ant.4	25.00	22.00	25.00	24.50	25.00	22.00	25.00	24.50	25.00
EGPRS850 3 Tx Slot	Ant.4	22.50	20.50	22.50	22.50	22.50	20.50	22.50	22.50	22.50
EGPRS850 4 Tx Slot	Ant.4	21.00	19.00	21.00	21.00	21.00	19.00	21.00	21.00	21.00
GSM 850	Ant.1	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50
GPRS850 1 Tx Slot	Ant.1	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50

GPRS850 2 Tx Slot	Ant.1	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00
GPRS850 3 Tx Slot	Ant.1	29.50	29.50	29.50	29.50	29.50	29.50	29.50	29.50	29.50
GPRS850 4 Tx Slot	Ant.1	27.50	27.50	27.50	27.50	27.50	27.50	27.50	27.50	27.50
EGPRS850 1 Tx Slot	Ant.1	27.20	27.20	27.20	27.20	27.20	27.20	27.20	27.20	27.20
EGPRS850 2 Tx Slot	Ant.1	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
EGPRS850 3 Tx Slot	Ant.1	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
EGPRS850 4 Tx Slot	Ant.1	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
GSM1900	Ant.4	29.50	26.50	29.50	26.00	29.50	26.00	29.50	26.00	29.50
GPRS1900 1 Tx Slot	Ant.4	29.50	26.50	29.50	26.00	29.50	26.00	29.50	26.00	29.50
GPRS1900 2 Tx Slot	Ant.4	26.50	23.50	26.50	24.00	26.50	24.00	26.50	24.00	26.50
GPRS1900 3 Tx Slot	Ant.4	24.50	21.50	24.50	22.00	24.50	22.00	24.50	22.00	24.50
GPRS1900 4 Tx Slot	Ant.4	23.00	19.00	23.00	20.00	23.00	20.00	23.00	20.00	23.00
EGPRS1900 1 Tx Slot	Ant.4	25.50	25.00	25.50	24.50	25.50	24.50	25.50	24.50	25.50
EGPRS1900 2 Tx Slot	Ant.4	23.00	22.50	23.00	22.50	23.00	22.50	23.00	22.50	23.00
EGPRS1900 3 Tx Slot	Ant.4	21.00	20.50	21.00	20.50	21.00	20.50	21.00	20.50	21.00
EGPRS1900 4 Tx Slot	Ant.4	19.00	19.00	19.00	18.50	19.00	18.50	19.00	18.50	19.00
GSM1900	Ant.1	29.50	29.50	29.50	29.50	29.50	29.50	29.50	29.50	29.50

GPRS1900 1 Tx Slot	Ant.1	29.50	29.50	29.50	29.50	29.50	29.50	29.50	29.50	29.50
GPRS1900 2 Tx Slot	Ant.1	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50
GPRS1900 3 Tx Slot	Ant.1	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
GPRS1900 4 Tx Slot	Ant.1	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
EGPRS1900 1 Tx Slot	Ant.1	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
EGPRS1900 2 Tx Slot	Ant.1	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
EGPRS1900 3 Tx Slot	Ant.1	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
EGPRS1900 4 Tx Slot	Ant.1	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00
WCDMA Band2 RMC	Ant.4	25.00	17.00	24.00	19.00	24.00	17.00	24.00	19.00	24.00
WCDMA Band2 AMR	Ant.4	25.00	17.00	24.00	19.00	24.00	17.00	24.00	19.00	24.00
HSDPA Subtest-1	Ant.4	24.50	16.50	23.50	18.50	23.50	16.50	23.50	18.50	23.50
HSDPA Subtest-2	Ant.4	24.50	16.50	23.50	18.50	23.50	16.50	23.50	18.50	23.50
HSDPA Subtest-3	Ant.4	24.00	16.00	23.00	18.00	23.00	16.00	23.00	18.00	23.00
HSDPA Subtest-4	Ant.4	24.00	16.00	23.00	18.00	23.00	16.00	23.00	18.00	23.00
DC-HSDPA Subtest-1	Ant.4	22.50	14.50	21.50	16.50	21.50	14.50	21.50	16.50	21.50
DC-HSDPA Subtest-2	Ant.4	22.50	14.50	21.50	16.50	21.50	14.50	21.50	16.50	21.50
DC-HSDPA Subtest-3	Ant.4	22.50	14.50	21.50	16.50	21.50	14.50	21.50	16.50	21.50

DC-HSDPA Subtest-4	Ant.4	22.50	14.50	21.50	16.50	21.50	14.50	21.50	16.50	21.50
HSUPA Subtest-1	Ant.4	24.50	16.50	23.50	18.50	23.50	16.50	23.50	18.50	23.50
HSUPA Subtest-2	Ant.4	22.50	14.50	21.50	16.50	21.50	14.50	21.50	16.50	21.50
HSUPA Subtest-3	Ant.4	23.50	15.50	22.50	17.50	22.50	15.50	22.50	17.50	22.50
HSUPA Subtest-4	Ant.4	22.50	14.50	21.50	16.50	21.50	14.50	21.50	16.50	21.50
HSUPA Subtest-5	Ant.4	24.50	16.50	23.50	18.50	23.50	16.50	23.50	18.50	23.50
HSPA+	Ant.4	22.50	14.50	21.50	16.50	21.50	14.50	21.50	16.50	21.50
WCDMA Band2 RMC	Ant.1	25.00	25.00	22.50	22.50	25.00	22.50	22.50	22.50	25.00
WCDMA Band2 AMR	Ant.1	25.00	25.00	22.50	22.50	25.00	22.50	22.50	22.50	25.00
HSDPA Subtest-1	Ant.1	24.50	24.50	22.00	22.00	24.50	22.00	22.00	22.00	24.50
HSDPA Subtest-2	Ant.1	24.50	24.50	22.00	22.00	24.50	22.00	22.00	22.00	24.50
HSDPA Subtest-3	Ant.1	24.00	24.00	21.50	21.50	24.00	21.50	21.50	21.50	24.00
HSDPA Subtest-4	Ant.1	24.00	24.00	21.50	21.50	24.00	21.50	21.50	21.50	24.00
DC-HSDPA Subtest-1	Ant.1	22.50	22.50	20.00	20.00	22.50	20.00	20.00	20.00	22.50
DC-HSDPA Subtest-2	Ant.1	22.50	22.50	20.00	20.00	22.50	20.00	20.00	20.00	22.50
DC-HSDPA Subtest-3	Ant.1	22.50	22.50	20.00	20.00	22.50	20.00	20.00	20.00	22.50
DC-HSDPA Subtest-4	Ant.1	22.50	22.50	20.00	20.00	22.50	20.00	20.00	20.00	22.50

HSUPA Subtest-1	Ant.1	24.50	24.50	22.00	22.00	24.50	22.00	22.00	22.00	24.50
HSUPA Subtest-2	Ant.1	22.50	22.50	20.00	20.00	22.50	20.00	20.00	20.00	22.50
HSUPA Subtest-3	Ant.1	23.50	23.50	21.00	21.00	23.50	21.00	21.00	21.00	23.50
HSUPA Subtest-4	Ant.1	22.50	22.50	20.00	20.00	22.50	20.00	20.00	20.00	22.50
HSUPA Subtest-5	Ant.1	24.50	24.50	22.00	22.00	24.50	22.00	22.00	22.00	24.50
HSPA+	Ant.1	22.50	22.50	20.00	20.00	22.50	20.00	20.00	20.00	22.50
WCDMA Band4 RMC	Ant.4	25.00	17.50	25.00	18.50	25.00	17.50	25.00	18.50	25.00
WCDMA Band4 RMC	Ant.4	25.00	17.50	25.00	18.50	25.00	17.50	25.00	18.50	25.00
HSDPA Subtest-1	Ant.4	24.50	17.00	24.50	18.00	24.50	17.00	24.50	18.00	24.50
HSDPA Subtest-2	Ant.4	24.50	17.00	24.50	18.00	24.50	17.00	24.50	18.00	24.50
HSDPA Subtest-3	Ant.4	24.00	16.50	24.00	17.50	24.00	16.50	24.00	17.50	24.00
HSDPA Subtest-4	Ant.4	24.00	16.50	24.00	17.50	24.00	16.50	24.00	17.50	24.00
DC-HSDPA Subtest-1	Ant.4	22.50	15.00	22.50	16.00	22.50	15.00	22.50	16.00	22.50
DC-HSDPA Subtest-2	Ant.4	22.50	15.00	22.50	16.00	22.50	15.00	22.50	16.00	22.50
DC-HSDPA Subtest-3	Ant.4	22.50	15.00	22.50	16.00	22.50	15.00	22.50	16.00	22.50
DC-HSDPA Subtest-4	Ant.4	22.50	15.00	22.50	16.00	22.50	15.00	22.50	16.00	22.50
HSUPA Subtest-1	Ant.4	24.50	17.00	24.50	18.00	24.50	17.00	24.50	18.00	24.50

HSUPA Subtest-2	Ant.4	22.50	15.00	22.50	16.00	22.50	15.00	22.50	16.00	22.50
HSUPA Subtest-3	Ant.4	23.50	16.00	23.50	17.00	23.50	16.00	23.50	17.00	23.50
HSUPA Subtest-4	Ant.4	22.50	15.00	22.50	16.00	22.50	15.00	22.50	16.00	22.50
HSUPA Subtest-5	Ant.4	24.50	17.00	24.50	18.00	24.50	17.00	24.50	18.00	24.50
HSPA+	Ant.4	22.50	15.00	22.50	16.00	22.50	15.00	22.50	16.00	22.50
WCDMA Band4 RMC	Ant.1	25.00	25.00	23.50	23.50	25.00	23.50	23.50	23.50	25.00
WCDMA Band4 RMC	Ant.1	25.00	25.00	23.50	23.50	25.00	23.50	23.50	23.50	25.00
HSDPA Subtest-1	Ant.1	24.50	24.50	23.00	23.00	24.50	23.00	23.00	23.00	24.50
HSDPA Subtest-2	Ant.1	24.50	24.50	23.00	23.00	24.50	23.00	23.00	23.00	24.50
HSDPA Subtest-3	Ant.1	24.00	24.00	22.50	22.50	24.00	22.50	22.50	22.50	24.00
HSDPA Subtest-4	Ant.1	24.00	24.00	22.50	22.50	24.00	22.50	22.50	22.50	24.00
DC-HSDPA Subtest-1	Ant.1	22.50	22.50	21.00	21.00	22.50	21.00	21.00	21.00	22.50
DC-HSDPA Subtest-2	Ant.1	22.50	22.50	21.00	21.00	22.50	21.00	21.00	21.00	22.50
DC-HSDPA Subtest-3	Ant.1	22.50	22.50	21.00	21.00	22.50	21.00	21.00	21.00	22.50
DC-HSDPA Subtest-4	Ant.1	22.50	22.50	21.00	21.00	22.50	21.00	21.00	21.00	22.50
HSUPA Subtest-1	Ant.1	24.50	24.50	23.00	23.00	24.50	23.00	23.00	23.00	24.50
HSUPA Subtest-2	Ant.1	22.50	22.50	21.00	21.00	22.50	21.00	21.00	21.00	22.50

HSUPA Subtest-3	Ant.1	23.50	23.50	22.00	22.00	23.50	22.00	22.00	22.00	23.50
HSUPA Subtest-4	Ant.1	22.50	22.50	21.00	21.00	22.50	21.00	21.00	21.00	22.50
HSUPA Subtest-5	Ant.1	24.50	24.50	23.00	23.00	24.50	23.00	23.00	23.00	24.50
HSPA+	Ant.1	22.50	22.50	21.00	21.00	22.50	21.00	21.00	21.00	22.50
WCDMA Band5 RMC	Ant.4	25.00	22.00	25.00	25.00	25.00	24.00	25.00	25.00	25.00
WCDMA Band5 AMR	Ant.4	25.00	22.00	25.00	25.00	25.00	24.00	25.00	25.00	25.00
HSDPA Subtest-1	Ant.4	24.50	21.50	24.50	24.50	24.50	23.50	24.50	24.50	24.50
HSDPA Subtest-2	Ant.4	24.50	21.50	24.50	24.50	24.50	23.50	24.50	24.50	24.50
HSDPA Subtest-3	Ant.4	24.00	21.00	24.00	24.00	24.00	23.00	24.00	24.00	24.00
HSDPA Subtest-4	Ant.4	24.00	21.00	24.00	24.00	24.00	23.00	24.00	24.00	24.00
DC-HSDPA Subtest-1	Ant.4	22.50	19.50	22.50	22.50	22.50	21.50	22.50	22.50	22.50
DC-HSDPA Subtest-2	Ant.4	22.50	19.50	22.50	22.50	22.50	21.50	22.50	22.50	22.50
DC-HSDPA Subtest-3	Ant.4	22.50	19.50	22.50	22.50	22.50	21.50	22.50	22.50	22.50
DC-HSDPA Subtest-4	Ant.4	22.50	19.50	22.50	22.50	22.50	21.50	22.50	22.50	22.50
HSUPA Subtest-1	Ant.4	24.50	21.50	24.50	24.50	24.50	23.50	24.50	24.50	24.50
HSUPA Subtest-2	Ant.4	22.50	19.50	22.50	22.50	22.50	21.50	22.50	22.50	22.50
HSUPA Subtest-3	Ant.4	23.50	20.50	23.50	23.50	23.50	22.50	23.50	23.50	23.50

HSUPA Subtest-4	Ant.4	22.50	19.50	22.50	22.50	22.50	21.50	22.50	22.50	22.50
HSUPA Subtest-5	Ant.4	24.50	21.50	24.50	24.50	24.50	23.50	24.50	24.50	24.50
HSPA+	Ant.4	22.50	19.50	22.50	22.50	22.50	21.50	22.50	22.50	22.50
WCDMA Band5 RMC	Ant.1	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
WCDMA Band5 AMR	Ant.1	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
HSDPA Subtest-1	Ant.1	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
HSDPA Subtest-2	Ant.1	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
HSDPA Subtest-3	Ant.1	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
HSDPA Subtest-4	Ant.1	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
DC-HSDPA Subtest-1	Ant.1	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
DC-HSDPA Subtest-2	Ant.1	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
DC-HSDPA Subtest-3	Ant.1	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
DC-HSDPA Subtest-4	Ant.1	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
HSUPA Subtest-1	Ant.1	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
HSUPA Subtest-2	Ant.1	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
HSUPA Subtest-3	Ant.1	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSUPA Subtest-4	Ant.1	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50

HSUPA Subtest-5	Ant.1	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
HSPA+	Ant.1	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
LTE Band2	Ant.4	25.50	16.00	25.50	19.00	25.50	16.00	25.50	19.00	25.50
LTE Band2	Ant.1	25.50	25.50	22.50	22.50	25.50	21.50	22.50	22.50	25.50
LTE Band4	Ant.4	25.00	17.00	25.00	19.00	23.50	16.00	25.00	19.00	23.50
LTE Band4	Ant.1	25.00	25.00	23.50	23.50	25.00	22.50	23.50	23.50	25.00
LTE Band5	Ant.4	25.50	21.00	25.50	25.50	25.50	24.50	25.50	25.50	25.50
LTE Band5	Ant.1	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
LTE Band7	Ant.4	24.00	21.00	23.50	20.00	23.50	21.00	23.50	20.00	23.50
LTE Band7	Ant.1	25.00	25.00	21.00	21.00	25.00	20.00	21.00	21.00	25.00
LTE Band12	Ant.4	25.50	24.50	25.50	25.50	25.50	24.50	25.50	25.50	25.50
LTE Band12	Ant.1	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
LTE Band13	Ant.4	25.50	24.00	25.50	25.50	25.50	24.00	25.50	25.50	25.50
LTE Band13	Ant.1	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
LTE Band17	Ant.4	25.50	24.50	25.50	25.50	25.50	24.50	25.50	25.50	25.50
LTE Band17	Ant.1	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
LTE Band18	Ant.4	25.50	22.00	25.50	25.50	25.50	22.00	25.50	25.50	25.50

LTE Band18	Ant.1	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
LTE Band19	Ant.4	25.50	22.00	25.50	25.50	25.50	22.00	25.50	25.50	25.50
LTE Band19	Ant.1	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
LTE Band26	Ant.4	25.50	22.00	25.50	25.50	25.50	22.00	25.50	25.50	25.50
LTE Band26	Ant.1	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
LTE Band66	Ant.4	25.00	16.50	25.00	18.50	23.50	19.00	25.00	18.50	23.50
LTE Band66	Ant.1	25.00	25.00	22.50	22.50	25.00	21.50	22.50	22.50	25.00
LTE Band71	Ant.4	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
LTE Band71	Ant.1	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
LTE Band38	Ant.4	24.00	22.50	24.00	22.00	24.00	21.00	24.00	22.00	24.00
LTE Band38	Ant.1	25.00	25.00	23.50	23.50	25.00	22.50	23.50	23.50	25.00
LTE Band41	Ant.4	24.00	22.50	24.00	22.50	24.00	21.50	24.00	22.50	24.00
LTE Band41	Ant.1	25.00	25.00	23.50	23.50	25.00	23.50	23.50	23.50	25.00
LTE Band42	Ant.5	25.50	17.00	22.50	22.50	22.50	17.00	22.50	22.50	22.50
LTE Band42	Ant.7	24.00	19.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50
LTE Band48	Ant.5	25.50	17.00	24.50	24.50	24.50	17.00	24.50	24.50	24.50
LTE Band48	Ant.7	23.00	19.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50

n2	Ant.4	26.00	17.50	25.50	19.00	24.50	17.50	25.50	19.00	24.50
n2	Ant.1	26.00	26.00	22.50	22.50	26.00	21.50	22.50	22.50	26.00
n5	Ant.4	25.50	22.50	25.50	25.50	25.50	22.50	25.50	25.50	25.50
n5	Ant.1	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
n7	Ant.4	25.50	20.00	25.50	19.50	25.50	19.50	25.50	19.50	25.50
n7	Ant.1	25.50	25.50	21.00	21.00	25.50	20.00	21.00	21.00	25.50
n12	Ant.4	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
n12	Ant.1	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
n26	Ant.4	25.50	23.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
n26	Ant.1	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
n66	Ant.4	26.00	16.50	25.50	19.00	23.50	16.50	25.50	19.00	23.50
n66	Ant.1	26.00	25.50	22.50	22.50	25.50	21.50	22.50	22.50	25.50
n71	Ant.4	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
n71	Ant.1	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
n38	Ant.4	25.50	19.50	25.50	19.00	25.50	19.00	25.50	19.00	25.50
n38	Ant.1	25.50	25.50	22.50	22.50	25.50	22.50	22.50	22.50	25.50
n38	Ant.3	25.50	22.00	25.50	21.50	25.50	21.50	25.50	21.50	25.50

n38	Ant.7	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
n41	Ant.4	24.00	19.00	24.00	19.50	24.00	19.00	24.00	19.50	24.00
n41	Ant.1	25.50	25.50	22.00	22.00	25.50	22.00	22.00	22.00	25.50
n41	Ant.3	25.00	23.00	22.50	22.50	22.50	21.50	22.50	22.50	22.50
n41	Ant.7	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
n48	Ant.2	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
n48	Ant.3	20.50	20.00	20.50	20.50	20.50	20.00	20.50	20.50	20.50
n48	Ant.5	25.50	18.00	25.50	25.50	25.50	18.00	25.50	25.50	25.50
n48	Ant.7	23.00	19.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50
n77	Ant.2	24.00	24.00	23.00	23.00	23.00	22.00	23.00	23.00	23.00
n77	Ant.3	23.00	20.00	22.50	22.50	22.50	20.00	22.50	22.50	22.50
n77	Ant.5	27.00	17.00	22.50	22.50	22.50	17.00	22.50	22.50	22.50
n77	Ant.7	26.00	19.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50
n78	Ant.2	26.00	24.00	23.00	23.00	23.00	22.00	23.00	23.00	23.00
n78	Ant.3	23.00	20.00	22.50	22.50	22.50	20.00	22.50	22.50	22.50
n78	Ant.5	27.00	17.00	22.50	22.50	22.50	22.50	22.50	22.50	22.50
n78	Ant.7	26.00	19.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50

LTE-UL CA Configurations	UL CA Band1	UL CA Band2	Antenna Configurations 1	2	3	4
CA_7C	LTE Band7	LTE Band7	LTE Ant.1	LTE Ant.4	/	/
CA_38C	LTE Band38	LTE Band38	LTE Ant.1	LTE Ant.4	/	/
CA_2A_4A	LTE Band2	LTE Band4	LTE Ant.1	LTE Ant.4	/	/
			LTE Ant.4	LTE Ant.1	/	/
CA_2A_7A	LTE Band2	LTE Band7	LTE Ant.1	LTE Ant.4	/	/
			LTE Ant.4	LTE Ant.1	/	/
CA_4A_5A	LTE Band4	LTE Band5	LTE Ant.1	LTE Ant.4	/	/
			LTE Ant.4	LTE Ant.1	/	/
CA_4A_7A	LTE Band4	LTE Band7	LTE Ant.1	LTE Ant.4	/	/
			LTE Ant.4	LTE Ant.1	/	/

Mode	Band	Antenna	LTE-Inter CA Antenna								
			Full Power	Receiver on	Receiver off						
				Head	Body-Worn			Hotspot	Specific		
				Standalone & Simultaneous transmission	Standalone & Simultaneous transmission			Simultaneous transmission	Standalone & Simultaneous transmission		
			Off	DSI1	DSI2	DSI3	DSI4	DSI5	DSI2	DSI3	DSI4
CA_2A+4A	LTE Band2	Ant.4	25.50	14.00	25.50	20.00	23.50	15.00	25.50	20.00	23.50
	LTE Band2	Ant.1	25.50	25.50	21.50	21.50	25.50	20.50	21.50	21.50	25.50
	LTE Band4	Ant.4	25.00	15.00	25.00	19.00	23.50	14.00	25.00	19.00	23.50
	LTE Band4	Ant.1	25.00	25.00	22.50	22.50	25.00	21.50	22.50	22.50	25.00
CA_2A+7A	LTE Band2	Ant.4	25.50	14.00	25.50	20.00	23.50	15.00	25.50	20.00	23.50
	LTE Band2	Ant.1	25.50	25.50	21.50	21.50	25.50	20.50	21.50	21.50	25.50
	LTE Band7	Ant.4	24.00	19.00	23.50	19.00	23.50	20.00	23.50	19.00	23.50
	LTE Band7	Ant.1	25.00	25.00	20.00	20.00	25.00	19.00	20.00	20.00	25.00
CA_4A+5A	LTE Band4	Ant.4	25.00	15.00	25.00	19.00	23.50	14.00	25.00	19.00	23.50
	LTE Band4	Ant.1	25.00	25.00	22.50	22.50	25.00	21.50	22.50	22.50	25.00

	LTE Band5	Ant.4	25.50	19.50	25.50	25.50	25.50	23.50	25.50	25.50	25.50
	LTE Band5	Ant.1	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
CA_4A+7A	LTE Band4	Ant.4	25.00	15.00	25.00	19.00	23.50	14.00	25.00	19.00	23.50
	LTE Band4	Ant.1	25.00	25.00	22.50	22.50	25.00	21.50	22.50	22.50	25.00
	LTE Band7	Ant.4	24.00	19.00	23.50	19.00	23.50	20.00	23.50	19.00	23.50
	LTE Band7	Ant.1	25.00	25.00	20.00	20.00	25.00	19.00	20.00	20.00	25.00

EN-DC Configurations	E-UTRA	NR	Antenna Configurations										
	Band	Band	1	2	3	4	5	6	7	8	9	10	11
7A+n5A	LTE Band7	n5	LTE Ant.1	LTE Ant.3	LTE Ant.4	LTE Ant.3	/	/	/	/	/	/	/
			nr Ant.4	nr Ant.4	nr Ant.1	nr Ant.1	/	/	/	/	/	/	/
4A+n7A	LTE Band4	n7	LTE Ant.1	LTE Ant.3	LTE Ant.4	LTE Ant.3	/	/	/	/	/	/	/
			nr Ant.4	nr Ant.4	nr Ant.1	nr Ant.1	/	/	/	/	/	/	/
5A+n7A	LTE Band5	n7	LTE Ant.1	LTE Ant.4	/	/	/	/	/	/	/	/	/
			nr Ant.4	nr Ant.1	/	/	/	/	/	/	/	/	/
66A+n7A	LTE Band66	n7	LTE Ant.1	LTE Ant.3	LTE Ant.4	LTE Ant.3	/	/	/	/	/	/	/
			nr Ant.4	nr Ant.4	nr Ant.1	nr Ant.1	/	/	/	/	/	/	/
2A+n66A	LTE Band2	n66	LTE Ant.1	LTE Ant.4	LTE Ant.1	LTE Ant.4	/	/	/	/	/	/	/
			nr Ant.4	nr Ant.1	nr Ant.3	nr Ant.3	/	/	/	/	/	/	/
5A+n66A	LTE Band5	n66	LTE Ant.1	LTE Ant.4	LTE Ant.1	LTE Ant.4	/	/	/	/	/	/	/
			nr Ant.4	nr Ant.1	nr Ant.3	nr Ant.3	/	/	/	/	/	/	/
2A+n38A	LTE Band2	n38	LTE Ant.1	LTE Ant.4	LTE Ant.1	LTE Ant.4	LTE Ant.1	LTE Ant.4	/	/	/	/	/

			nr Ant.4	nr Ant.1	nr Ant.3	nr Ant.3	nr Ant.7	nr Ant.7	/	/	/	/	/
4A+n38A	LTE Band4	n38	LTE Ant.1	LTE Ant.3	LTE Ant.4	LTE Ant.3	LTE Ant.1	LTE Ant.4	LTE Ant.1	LTE Ant.4	LTE Ant.3	/	/
			nr Ant.4	nr Ant.4	nr Ant.1	nr Ant.1	nr Ant.3	nr Ant.3	nr Ant.7	nr Ant.7	nr Ant.7	/	/
66A+n38A	LTE Band66	n38	LTE Ant.1	LTE Ant.3	LTE Ant.4	LTE Ant.3	LTE Ant.1	LTE Ant.4	LTE Ant.1	LTE Ant.4	LTE Ant.3	/	/
			nr Ant.4	nr Ant.4	nr Ant.1	nr Ant.1	nr Ant.3	nr Ant.3	nr Ant.7	nr Ant.7	nr Ant.7	/	/
2A+n41A	LTE Band2	n41	LTE Ant.1	LTE Ant.4	LTE Ant.1	LTE Ant.4	LTE Ant.1	LTE Ant.4	/	/	/	/	/
			nr Ant.4	nr Ant.1	nr Ant.3	nr Ant.3	nr Ant.7	nr Ant.7	/	/	/	/	/
4A+n41A	LTE Band4	n41	LTE Ant.1	LTE Ant.3	LTE Ant.4	LTE Ant.3	LTE Ant.1	LTE Ant.4	LTE Ant.1	LTE Ant.4	LTE Ant.3	/	/
			nr Ant.4	nr Ant.4	nr Ant.1	nr Ant.1	nr Ant.3	nr Ant.3	nr Ant.7	nr Ant.7	nr Ant.7	/	/
5A+n41A	LTE Band5	n41	LTE Ant.1	LTE Ant.4	LTE Ant.1	LTE Ant.4	LTE Ant.1	LTE Ant.4	/	/	/	/	/
			nr Ant.4	nr Ant.1	nr Ant.3	nr Ant.3	nr Ant.7	nr Ant.7	/	/	/	/	/
66A+n41A	LTE Band66	n41	LTE Ant.1	LTE Ant.3	LTE Ant.4	LTE Ant.3	LTE Ant.1	LTE Ant.4	LTE Ant.1	LTE Ant.4	LTE Ant.3	/	/
			nr Ant.4	nr Ant.4	nr Ant.1	nr Ant.1	nr Ant.3	nr Ant.3	nr Ant.7	nr Ant.7	nr Ant.7	/	/
2A+n77A	LTE Band2	n77	LTE Ant.1	LTE Ant.1	LTE Ant.1	LTE Ant.1	LTE Ant.4	LTE Ant.4	LTE Ant.4	LTE Ant.4	/	/	/
			nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7	nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7	/	/	/
18A+n77A	LTE Band18	n77	LTE Ant.1	LTE Ant.1	LTE Ant.1	LTE Ant.1	LTE Ant.4	LTE Ant.4	LTE Ant.4	LTE Ant.4	/	/	/
			nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7	nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7	/	/	/
2A+n78A	LTE Band2	n78	LTE Ant.1	LTE Ant.1	LTE Ant.1	LTE Ant.1	LTE Ant.4	LTE Ant.4	LTE Ant.4	LTE Ant.4	/	/	/
			nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7	nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7	/	/	/
4A+n78A	LTE Band4	n78	LTE Ant.1	LTE Ant.1	LTE Ant.1	LTE Ant.1	LTE Ant.4	LTE Ant.4	LTE Ant.4	LTE Ant.4	LTE Ant.3	LTE Ant.3	LTE Ant.3
			nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7	nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7	nr Ant.2	nr Ant.5	nr Ant.7
5A+n78A	LTE Band5	n78	LTE Ant.1	LTE Ant.1	LTE Ant.1	LTE Ant.1	LTE Ant.4	LTE Ant.4	LTE Ant.4	LTE Ant.4	/	/	/

			nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7	nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7	/	/	/
7A+n78A	LTE Band7	n78	LTE Ant.1	LTE Ant.1	LTE Ant.1	LTE Ant.1	LTE Ant.4	LTE Ant.4	LTE Ant.4	LTE Ant.4	/	/	/
			nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7	nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7	/	/	/
19A+n78A	LTE Band19	n78	LTE Ant.1	LTE Ant.1	LTE Ant.1	LTE Ant.1	LTE Ant.4	LTE Ant.4	LTE Ant.4	LTE Ant.4	/	/	/
			nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7	nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7	/	/	/
26A+n78A	LTE Band26	n78	LTE Ant.1	LTE Ant.1	LTE Ant.1	LTE Ant.1	LTE Ant.4	LTE Ant.4	LTE Ant.4	LTE Ant.4	/	/	/
			nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7	nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7	/	/	/
66A+n78A	LTE Band66	n78	LTE Ant.1	LTE Ant.1	LTE Ant.1	LTE Ant.1	LTE Ant.4	LTE Ant.4	LTE Ant.4	LTE Ant.4	LTE Ant.3	LTE Ant.3	LTE Ant.3
			nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7	nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7	nr Ant.2	nr Ant.5	nr Ant.7
38A+n78A	LTE Band38	n78	LTE Ant.1	LTE Ant.1	LTE Ant.1	LTE Ant.1	LTE Ant.4	LTE Ant.4	LTE Ant.4	LTE Ant.4	/	/	/
			nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7	nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7	/	/	/
41A+n78A	LTE Band41	n78	LTE Ant.1	LTE Ant.1	LTE Ant.1	LTE Ant.1	LTE Ant.4	LTE Ant.4	LTE Ant.4	LTE Ant.4	/	/	/
			nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7	nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7	/	/	/

Mode	Band	Antenna	ENDC Antenna								
			Full Power	Receiver on	Receiver off						
				Head	Body-Worn			Hotspot	Specific		
				Standalone & Simultaneous transmission	Standalone & Simultaneous transmission			Simultaneous transmission	Standalone & Simultaneous transmission		
			Off	DSI1	DSI2	DSI3	DSI4	DSI5	DSI2	DSI3	DSI4
DC_7A+n5A	n5	Ant.1	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
	n5	Ant.4	25.50	20.50	25.50	25.50	25.50	23.50	25.50	25.50	25.50
	LTE Band7	Ant.1	25.00	25.00	20.00	20.00	25.00	19.00	20.00	20.00	25.00
	LTE Band7	Ant.4	24.00	19.00	23.50	19.00	23.50	20.00	23.50	19.00	23.50
	LTE Band7	Ant.3	25.50	25.50	25.50	23.50	25.50	23.50	25.50	23.50	25.50
DC_4A+n7A	n7	Ant.1	25.50	25.50	20.00	20.00	25.50	19.00	20.00	20.00	25.50

	n7	Ant.4	25.50	18.00	25.50	19.50	25.50	19.50	25.50	19.50	25.50
	LTE Band4	Ant.1	25.00	25.00	22.50	22.50	25.00	21.50	22.50	22.50	25.00
	LTE Band4	Ant.4	25.00	15.00	25.00	21.50	22.50	14.00	25.00	21.50	22.50
	LTE Band4	Ant.3	25.00	25.00	25.00	22.00	25.00	22.00	25.00	22.00	25.00
DC_5A+n7A	n7	Ant.1	25.50	25.50	20.00	20.00	25.50	19.00	20.00	20.00	25.50
	n7	Ant.4	25.50	18.00	25.50	19.50	25.50	19.50	25.50	19.50	25.50
	LTE Band5	Ant.1	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
	LTE Band5	Ant.4	25.50	19.50	25.50	25.50	25.50	23.50	25.50	25.50	25.50
DC_66A+n7A	n7	Ant.1	25.50	25.50	20.00	20.00	25.50	19.00	20.00	20.00	25.50
	n7	Ant.4	25.50	18.00	25.50	19.50	25.50	19.50	25.50	19.50	25.50
	LTE Band66	Ant.1	25.00	25.00	21.50	21.50	25.00	20.50	21.50	21.50	25.00
	LTE Band66	Ant.4	25.00	14.50	25.00	19.50	22.50	15.50	25.00	19.50	22.50
	LTE Band66	Ant.3	25.00	25.00	25.00	22.00	25.00	22.00	25.00	22.00	25.00
DC_2A+n66A	n66	Ant.1	26.00	25.50	21.50	21.50	25.50	20.50	21.50	21.50	25.50
	n66	Ant.4	26.00	14.50	25.50	19.50	22.50	15.50	25.50	19.50	22.50
	n66	Ant.3	26.00	26.00	26.00	23.50	26.00	23.50	26.00	23.50	26.00
	LTE Band2	Ant.1	25.50	25.50	21.50	21.50	25.50	20.50	21.50	21.50	25.50
	LTE Band2	Ant.4	25.50	14.00	25.50	20.00	23.50	15.00	25.50	20.00	23.50
DC_5A+n66A	n66	Ant.1	26.00	25.50	21.50	21.50	25.50	20.50	21.50	21.50	25.50
	n66	Ant.4	26.00	14.50	25.50	19.50	22.50	15.50	25.50	19.50	22.50
	n66	Ant.3	26.00	26.00	26.00	23.50	26.00	23.50	26.00	23.50	26.00
	LTE Band5	Ant.1	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
	LTE Band5	Ant.4	25.50	19.50	25.50	25.50	25.50	23.50	25.50	25.50	25.50
DC_2A+n38A	n38	Ant.1	25.50	25.50	22.50	22.50	25.50	21.50	22.50	22.50	25.50
	n38	Ant.4	25.50	17.50	25.50	17.00	25.50	17.00	25.50	17.00	25.50
	n38	Ant.3	25.50	22.00	25.50	21.50	25.50	21.50	25.50	21.50	25.50
	n38	Ant.7	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
	LTE Band2	Ant.1	25.50	25.50	21.50	21.50	25.50	20.50	21.50	21.50	25.50

	LTE Band2	Ant.4	25.50	14.00	25.50	20.00	23.50	15.00	25.50	20.00	23.50
DC_4A+n38A	n38	Ant.1	25.50	25.50	22.50	22.50	25.50	21.50	22.50	22.50	25.50
	n38	Ant.4	25.50	17.50	25.50	17.00	25.50	17.00	25.50	17.00	25.50
	n38	Ant.3	25.50	22.00	25.50	21.50	25.50	21.50	25.50	21.50	25.50
	n38	Ant.7	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
	LTE Band4	Ant.1	25.00	25.00	22.50	22.50	25.00	21.50	22.50	22.50	25.00
	LTE Band4	Ant.4	25.00	15.00	25.00	21.50	22.50	14.00	25.00	21.50	22.50
	LTE Band4	Ant.3	25.00	25.00	25.00	22.00	25.00	22.00	25.00	22.00	25.00
DC_66A+n38A	n38	Ant.1	25.50	25.50	22.50	22.50	25.50	21.50	22.50	22.50	25.50
	n38	Ant.4	25.50	17.50	25.50	17.00	25.50	17.00	25.50	17.00	25.50
	n38	Ant.3	25.50	22.00	25.50	21.50	25.50	21.50	25.50	21.50	25.50
	n38	Ant.7	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
	LTE Band66	Ant.1	25.00	25.00	21.50	21.50	25.00	20.50	21.50	21.50	25.00
	LTE Band66	Ant.4	25.00	14.50	25.00	19.50	22.50	15.50	25.00	19.50	22.50
	LTE Band66	Ant.3	25.00	25.00	25.00	22.00	25.00	22.00	25.00	22.00	25.00
DC_2A+n41A	n41	Ant.1	25.00	25.00	21.00	21.00	25.00	20.00	21.00	21.00	25.00
	n41	Ant.3	25.00	22.00	21.50	21.50	21.50	20.50	21.50	21.50	21.50
	n41	Ant.4	24.00	17.00	24.00	17.50	24.00	17.50	24.00	17.50	24.00
	n41	Ant.7	20.50	19.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
	LTE Band2	Ant.1	25.50	25.50	21.50	21.50	25.50	20.50	21.50	21.50	25.50
	LTE Band2	Ant.4	25.50	14.00	25.50	20.00	23.50	15.00	25.50	20.00	23.50
DC_4A+n41A	n41	Ant.1	25.00	25.00	21.00	21.00	25.00	20.00	21.00	21.00	25.00
	n41	Ant.3	25.00	22.00	21.50	21.50	21.50	20.50	21.50	21.50	21.50
	n41	Ant.4	24.00	17.00	24.00	17.50	24.00	17.50	24.00	17.50	24.00
	n41	Ant.7	20.50	19.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
	LTE Band4	Ant.1	25.00	25.00	22.50	22.50	25.00	21.50	22.50	22.50	25.00
	LTE Band4	Ant.4	25.00	15.00	25.00	21.50	22.50	14.00	25.00	21.50	22.50
	LTE Band4	Ant.3	25.00	25.00	25.00	22.00	25.00	22.00	25.00	22.00	25.00
DC_5A+n41A	n41	Ant.1	25.00	25.00	21.00	21.00	25.00	20.00	21.00	21.00	25.00
	n41	Ant.3	25.00	22.00	21.50	21.50	21.50	20.50	21.50	21.50	21.50

	n41	Ant.4	24.00	17.00	24.00	17.50	24.00	17.50	24.00	17.50	24.00
	n41	Ant.7	20.50	19.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
	LTE Band5	Ant.1	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
	LTE Band5	Ant.4	25.50	19.50	25.50	25.50	25.50	23.50	25.50	25.50	25.50
DC_66A+n41A	n41	Ant.1	25.00	25.00	21.00	21.00	25.00	20.00	21.00	21.00	25.00
	n41	Ant.3	25.00	22.00	21.50	21.50	21.50	20.50	21.50	21.50	21.50
	n41	Ant.4	24.00	17.00	24.00	17.50	24.00	17.50	24.00	17.50	24.00
	n41	Ant.7	20.50	19.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
	LTE Band66	Ant.1	25.00	25.00	21.50	21.50	25.00	20.50	21.50	21.50	25.00
	LTE Band66	Ant.4	25.00	14.50	25.00	19.50	22.50	15.50	25.00	19.50	22.50
	LTE Band66	Ant.3	25.00	25.00	25.00	22.00	25.00	22.00	25.00	22.00	25.00
DC_2A+n77A	n77	Ant.2	24.00	23.00	22.00	22.00	22.00	21.00	22.00	22.00	22.00
	n77	Ant.3	23.00	19.00	21.50	21.50	21.50	19.00	21.50	21.50	21.50
	n77	Ant.5	27.00	16.00	20.50	20.50	20.50	16.00	20.50	20.50	20.50
	n77	Ant.7	26.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
	LTE Band2	Ant.1	25.50	25.50	21.50	21.50	25.50	20.50	21.50	21.50	25.50
	LTE Band2	Ant.4	25.50	14.00	25.50	20.00	23.50	15.00	25.50	20.00	23.50
DC_18A+n77A	n77	Ant.2	24.00	23.00	22.00	22.00	22.00	21.00	22.00	22.00	22.00
	n77	Ant.3	23.00	19.00	21.50	21.50	21.50	19.00	21.50	21.50	21.50
	n77	Ant.5	27.00	16.00	20.50	20.50	20.50	16.00	20.50	20.50	20.50
	n77	Ant.7	26.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
	LTE Band18	Ant.1	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
	LTE Band18	Ant.4	25.50	20.00	25.50	25.50	25.50	24.00	25.50	25.50	25.50
DC_2A+n78A	n78	Ant.2	26.00	23.00	22.00	22.00	22.00	21.00	22.00	22.00	22.00
	n78	Ant.3	23.00	19.00	21.50	21.50	21.50	19.00	21.50	21.50	21.50
	n78	Ant.5	27.00	16.00	20.50	20.50	20.50	20.50	20.50	20.50	20.50
	n78	Ant.7	26.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
	LTE Band2	Ant.1	25.50	25.50	21.50	21.50	25.50	20.50	21.50	21.50	25.50
	LTE Band2	Ant.4	25.50	14.00	25.50	20.00	23.50	15.00	25.50	20.00	23.50
DC_4A+n78A	n78	Ant.2	26.00	23.00	22.00	22.00	22.00	21.00	22.00	22.00	22.00
	n78	Ant.3	23.00	19.00	21.50	21.50	21.50	19.00	21.50	21.50	21.50

	n78	Ant.5	27.00	16.00	20.50	20.50	20.50	20.50	20.50	20.50	20.50
	n78	Ant.7	26.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
	LTE Band4	Ant.1	25.00	25.00	22.50	22.50	25.00	21.50	22.50	22.50	25.00
	LTE Band4	Ant.4	25.00	15.00	25.00	21.50	22.50	14.00	25.00	21.50	22.50
	LTE Band4	Ant.3	25.00	25.00	25.00	22.00	25.00	22.00	25.00	22.00	25.00
DC_5A+n78A	n78	Ant.2	26.00	23.00	22.00	22.00	22.00	21.00	22.00	22.00	22.00
	n78	Ant.3	23.00	19.00	21.50	21.50	21.50	19.00	21.50	21.50	21.50
	n78	Ant.5	27.00	16.00	20.50	20.50	20.50	20.50	20.50	20.50	20.50
	n78	Ant.7	26.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
	LTE Band5	Ant.1	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
	LTE Band5	Ant.4	25.50	19.50	25.50	25.50	25.50	23.50	25.50	25.50	25.50
DC_7A+n78A	n78	Ant.2	26.00	23.00	22.00	22.00	22.00	21.00	22.00	22.00	22.00
	n78	Ant.3	23.00	19.00	21.50	21.50	21.50	19.00	21.50	21.50	21.50
	n78	Ant.5	27.00	16.00	20.50	20.50	20.50	20.50	20.50	20.50	20.50
	n78	Ant.7	26.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
	LTE Band7	Ant.1	25.00	25.00	20.00	20.00	25.00	19.00	20.00	20.00	25.00
	LTE Band7	Ant.4	24.00	19.00	23.50	19.00	23.50	20.00	23.50	19.00	23.50
	LTE Band7	Ant.3	25.50	25.50	25.50	23.50	25.50	23.50	25.50	23.50	25.50
DC_19A+n78A	n78	Ant.2	26.00	23.00	22.00	22.00	22.00	21.00	22.00	22.00	22.00
	n78	Ant.3	23.00	19.00	21.50	21.50	21.50	19.00	21.50	21.50	21.50
	n78	Ant.5	27.00	16.00	20.50	20.50	20.50	20.50	20.50	20.50	20.50
	n78	Ant.7	26.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
	LTE Band19	Ant.1	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
	LTE Band19	Ant.4	25.00	20.00	25.50	25.50	25.50	24.00	25.50	25.50	25.50
DC_26A+n78A	n78	Ant.2	26.00	23.00	22.00	22.00	22.00	21.00	22.00	22.00	22.00
	n78	Ant.3	23.00	19.00	21.50	21.50	21.50	19.00	21.50	21.50	21.50
	n78	Ant.5	27.00	16.00	20.50	20.50	20.50	20.50	20.50	20.50	20.50
	n78	Ant.7	26.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
	LTE Band26	Ant.1	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
	LTE Band26	Ant.4	25.50	20.00	25.50	25.50	25.50	23.50	25.50	25.50	25.50

DC_66A+n78A	n78	Ant.2	26.00	23.00	22.00	22.00	22.00	21.00	22.00	22.00	22.00
	n78	Ant.3	23.00	19.00	21.50	21.50	21.50	19.00	21.50	21.50	21.50
	n78	Ant.5	27.00	16.00	20.50	20.50	20.50	20.50	20.50	20.50	20.50
	n78	Ant.7	26.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
	LTE Band66	Ant.1	25.00	25.00	21.50	21.50	25.00	20.50	21.50	21.50	25.00
	LTE Band66	Ant.4	25.00	14.50	25.00	19.50	22.50	15.50	25.00	19.50	22.50
	LTE Band66	Ant.3	25.00	25.00	25.00	22.00	25.00	22.00	25.00	22.00	25.00
DC_38A+n78A	n78	Ant.2	26.00	23.00	22.00	22.00	22.00	21.00	22.00	22.00	22.00
	n78	Ant.3	23.00	19.00	21.50	21.50	21.50	19.00	21.50	21.50	21.50
	n78	Ant.5	27.00	16.00	20.50	20.50	20.50	20.50	20.50	20.50	20.50
	n78	Ant.7	26.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
	LTE Band38	Ant.1	25.00	25.00	22.50	22.50	25.00	21.50	22.50	22.50	25.00
	LTE Band38	Ant.4	24.00	20.50	24.00	21.00	24.00	20.00	24.00	21.00	24.00
DC_41A+n78A	n78	Ant.2	26.00	23.00	22.00	22.00	22.00	21.00	22.00	22.00	22.00
	n78	Ant.3	23.00	19.00	21.50	21.50	21.50	19.00	21.50	21.50	21.50
	n78	Ant.5	27.00	16.00	20.50	20.50	20.50	20.50	20.50	20.50	20.50
	n78	Ant.7	26.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
	LTE Band41	Ant.1	25.00	25.00	23.50	23.50	25.00	22.50	23.50	23.50	25.00
	LTE Band41	Ant.4	24.00	20.50	24.00	21.50	24.00	20.50	24.00	21.50	24.00

Reduced level	Receiver state	Transmitting conditions	Antenna	Position
Level 1	On (head scenario)	Only WLAN	Ant.6	Head
Level 2	On (head scenario)	WWAN+WLAN	Ant.6	Head
Level 3	Off (Body scenario)	Only WLAN	Ant.6	Front Side;Back Side；Left Edge;Right Edge;Top Edge;Bottom Edge

Level 4	Off (Body scenario)	WWAN+WLAN	Ant.6	Front Side;Back Side；Left Edge;Right Edge;Top Edge;Bottom Edge

WLAN Reduced power level table

Mode	WLAN Antenna 6								
	Full Power	Receiver on		Receiver off					
		Head		Body-Worn		Hotspot		Specific	
		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	17.00	17.00	14.00	17.00	15.50	/	15.50	17.00	15.50
2.4G WLAN 802.11g	16.50	16.50	14.00	16.50	15.50	/	15.50	16.50	15.50
2.4G WLAN 802.11n20	16.50	16.50	14.00	16.50	15.50	/	15.50	16.50	15.50
5.2G WLAN 802.11a	18.50	13.00	8.00	18.50	15.50	18.50	15.50	18.50	15.50
5.2G WLAN 802.11n20	17.50	13.00	8.00	17.50	15.50	17.50	15.50	17.50	15.50
5.2G WLAN 802.11n40	16.50	13.00	8.00	16.50	15.50	16.50	15.50	16.50	15.50
5.2G WLAN 802.11ac20	17.50	13.00	8.00	17.50	15.50	17.50	15.50	17.50	15.50
5.2G WLAN 802.11ac40	16.50	13.00	8.00	16.50	15.50	16.50	15.50	16.50	15.50
5.2G WLAN 802.11ac80	15.50	13.00	8.00	15.50	15.50	15.50	15.50	15.50	15.50
5.3G WLAN 802.11a	18.50	13.00	8.00	18.50	15.50	/	/	18.50	15.50
5.3G WLAN 802.11n20	17.50	13.00	8.00	17.50	15.50	/	/	17.50	15.50
5.3G WLAN 802.11n40	16.50	13.00	8.00	16.50	15.50	/	/	16.50	15.50
5.3G WLAN 802.11ac20	17.50	13.00	8.00	17.50	15.50	/	/	17.50	15.50
5.3G WLAN 802.11ac40	16.50	13.00	8.00	16.50	15.50	/	/	16.50	15.50
5.3G WLAN 802.11ac80	15.50	13.00	8.00	15.50	15.50	/	/	15.50	15.50
5.6G WLAN 802.11a	18.50	13.00	9.00	18.50	15.50	/	/	18.50	15.50
5.6G WLAN 802.11n20	17.50	13.00	9.00	17.50	15.50	/	/	17.50	15.50
5.6G WLAN 802.11n40	16.50	13.00	9.00	16.50	15.50	/	/	16.50	15.50

5.6G WLAN 802.11ac20	17.50	13.00	9.00	17.50	15.50	/	/	17.50	15.50
5.6G WLAN 802.11ac40	16.50	13.00	9.00	16.50	15.50	/	/	16.50	15.50
5.6G WLAN 802.11ac80	15.50	13.00	9.00	15.50	15.50	/	/	15.50	15.50
5.8G WLAN 802.11a	13.00	13.00	11.00	13.00	11.50	13.00	11.50	13.00	11.50
5.8G WLAN 802.11n20	13.00	13.00	11.00	13.00	11.50	13.00	11.50	13.00	11.50
5.8G WLAN 802.11n40	13.00	13.00	11.00	13.00	11.50	13.00	11.50	13.00	11.50
5.8G WLAN 802.11ac20	13.00	13.00	11.00	13.00	11.50	13.00	11.50	13.00	11.50
5.8G WLAN 802.11ac40	13.00	13.00	11.00	13.00	11.50	13.00	11.50	13.00	11.50
5.8G WLAN 802.11ac80	12.50	12.50	11.00	12.50	11.50	12.50	11.50	12.50	11.50
Bluetooth	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50

8.2 GSM

Please refer the document “BL-SZ2550149-AP.pdf”.

8.3 WCDMA

Please refer the document “BL-SZ2550149-AP.pdf”.

8.4 LTE

Please refer the document “BL-SZ2550149-AP.pdf”.

8.5 Intra-Band Uplink CA Normal Power

Note:
1. This devices supports intra-band uplink CA of 7C/38C.
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-SZ2550149-AP.pdf”.

8.6 NR 5G

Please refer the document “BL-SZ2550149-AP.pdf”.

8.7 WIFI

Please refer the document “BL-SZ2550149-AP.pdf”.

8.8 Bluetooth

Please refer the document “BL-SZ2550149-AP.pdf”.

9 TEST EXCLUSION CONSIDERATION

Please refer the document “BL-SZ2550149-AW.pdf”.

Antenna	Description	Support Bands
Antenna 1	2/3/4/5G TX Antenna	GSM 850/1900 WCDMA Band 2/4/5 LTE Band 2/4/5/7/12/13/17/18/19/26/66/71/38/41 NR n2/5/7/12/26/66/71/38/41
Antenna 2	4/5G TX Antenna	NR n48/77/78
Antenna 3	4/5G TX Antenna	LTE Band 4/7/66 NR n66/38/41/48/77/78
Antenna 4	2/3/4/5G TX Antenna	GSM 850/1900 WCDMA Band 2/4/5 LTE Band 2/4/5/7/12/13/17/18/19/26/66/71/38/41 NR n2/5/7/12/26/66/71/38/41
Antenna 5	4/5G TX Antenna	LTE Band 42/48 NR n48/77/78
Antenna 6	WiFi 2.4G TX Antenna WiFi 5G TX Antenna Bluetooth TX Antenna	WiFi 2.4G WiFi 5G Bluetooth
Antenna 7	4/5G TX Antenna	LTE Band 42/48 NR n38/41/48/77/78

Antenna	Front Side(mm)	Back Side(mm)	Left Edge(mm)	Right Edge(mm)	Top Edge(mm)	Bottom Edge(mm)
Ant.1	<25	<25	<25	<25	>25	<25
Ant.2	<25	<25	<25	>25	<25	>25
Ant.3	<25	<25	<25	>25	>25	>25
Ant.4	<25	<25	<25	>25	>25	>25
Ant.5	<25	<25	>25	>25	<25	>25
Ant.6	<25	<25	>25	<25	<25	>25
Ant.7	<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.						

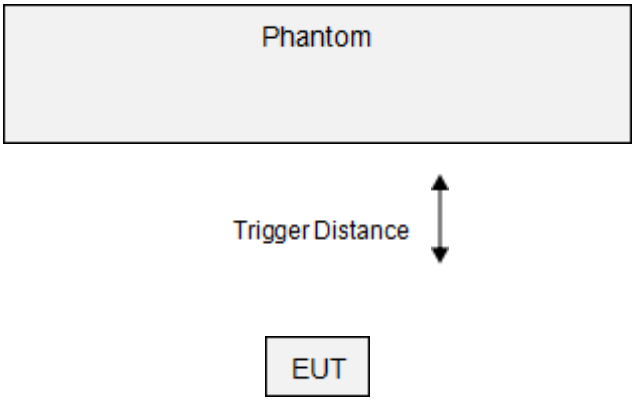
10 PROXIMITY SENSOR TRIGGERING TEST

10.1 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.

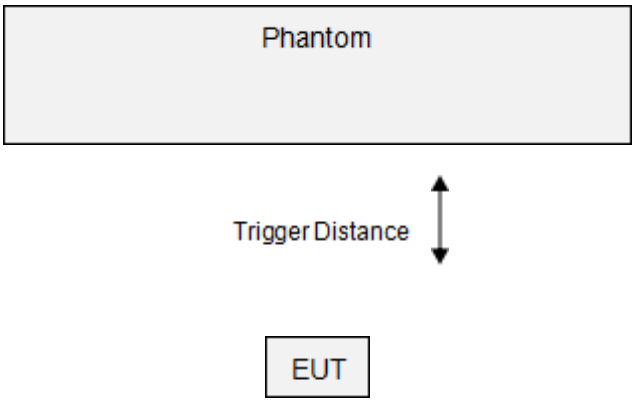
10.1.1 proximity sensor(1)



EUT moving toward Phantom

Distance in mm	1~5	6	7	8	9	10	11~15	16	17	18	19~25
Front Side	On	On	On	On	On	On	Off	Off	Off	Off	Off
Back Side	On	On	On	On	On	On	On	On	On	Off	Off
Bottom Edge	On	On	On	On	On	On	On	On	On	Off	Off
Note: Power reduction is only applicable for ANT1.											

10.1.2 proximity sensor(2/3)



EUT moving toward Phantom

Distance in mm	1~5	6	7	8	9	10	11~15	16	17	18	19~25
Front Side	On	On	On	On	On	On	Off	Off	Off	Off	Off
Back Side	On	On	On	On	On	On	On	On	On	Off	Off
Left Edge	On	On	On	On	Off	Off	Off	Off	Off	Off	Off
Top Edge	On	On	On	On	On	On	On	On	On	Off	Off
Note: Power reduction is only applicable for ANT3/4.											

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.

ANT1 of proximity sensor(1)

EUT Sides	Additional SAR test Distance in mm
Front Side	9
Back Side	16
Bottom Edge	16

ANT3/4 of proximity sensor(2/3)

EUT Sides	Additional SAR test Distance in mm
Front Side	9
Back Side	16
Left Edge	7
Top Edge	16

10.2 Procedures for determining EUT tilt angle influences to proximity sensor triggering

The influence of EUT tilt angles to proximity sensor(1) triggering was determined by positioning each EUT edge that contains a transmitting antenna 1, perpendicular to the flat phantom, at 17 mm separation for the bottom edge.
The influence of EUT tilt angles to proximity sensor(2/3) triggering was determined by positioning each EUT edge that contains transmitting antenna 3 and antenna 4, perpendicular to the flat phantom, at 8 mm separation for the left edge and 17 mm separation for the top edge.
Rotating the EUT around the edge next to the phantom in ≤ 10° increments until the EUT is ± 45° from the vertical position at 0°, and the maximum output power remains in the reduced mode.

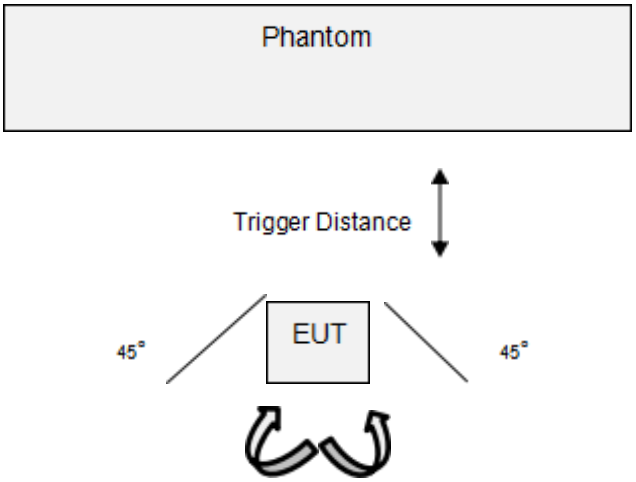


Table: Summary of Phone Tilt Angle Influence to Proximity Sensor Triggering(Left edge)

Antenna	Posltion	Minimum trigger distance at which power reduction was maintained over ±45°	Power Reduction Status										
			-45°	-35°	-25°	-15°	-5°	0°	5°	15°	25°	35°	45°
ANT3/4	Left Edge	8mm	on	on	on	on	on	on	on	on	on	on	on
ANT1	Bottom Edge	17mm	on	on	on	on	on	on	on	on	on	on	on
ANT3/4	Top Edge	17mm	on	on	on	on	on	on	on	on	on	on	on

11 TEST RESULT

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

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.4	DSI1	GPRS 3slots	Left Cheek	0	190	836.6	0.14	0.325	24.28	26.00	1.486	0.483	/
	DSI1		Left Tilt	0	190	836.6	-0.18	0.302	24.28	26.00	1.486	0.449	/
	DSI1		Right Cheek	0	190	836.6	0.10	0.399	24.28	26.00	1.486	**0.593**	1#
	DSI1		Right Tilt	0	190	836.6	-0.04	0.330	24.28	26.00	1.486	0.490	/
Ant.1	DSI1	GPRS 3slots	Left Cheek	0	128	824.2	0.16	0.166	27.85	29.50	1.462	0.243	/
	DSI1		Left Tilt	0	128	824.2	-0.16	0.103	27.85	29.50	1.462	0.151	/
	DSI1		Right Cheek	0	128	824.2	0.12	0.105	27.85	29.50	1.462	0.154	/
	DSI1		Right Tilt	0	128	824.2	-0.03	0.078	27.85	29.50	1.462	0.114	/
Body-worn													
Ant.4	DSI4	GPRS 3slots	Front Side	15	251	848.8	-0.14	0.125	27.57	29.50	1.560	0.195	/
	DSI3		Back Side	15	190	836.6	-0.10	0.164	26.95	28.50	1.429	**0.234**	2#
Ant.1	DSI4	GPRS 3slots	Front Side	15	128	824.2	-0.11	0.110	27.85	29.50	1.462	0.161	/
	DSI2		Back Side	15	128	824.2	0.02	0.136	27.85	29.50	1.462	0.199	/
Hotspot													
Ant.4	DSI5	GPRS 3slots	Front Side	10	190	836.6	0.04	0.197	24.28	26.00	1.486	0.293	/
	DSI5		Back Side	10	190	836.6	0.00	0.280	24.28	26.00	1.486	**0.416**	3#
	DSI5		Left Edge	10	190	836.6	0.02	0.118	24.28	26.00	1.486	0.175	/
	DSI5		Top Edge	10	190	836.6	-0.14	0.152	24.28	26.00	1.486	0.226	/
Ant.1	DSI5	GPRS 3slots	Front Side	10	128	824.2	-0.08	0.137	27.85	29.50	1.462	0.200	/
	DSI5		Back Side	10	128	824.2	-0.16	0.233	27.85	29.50	1.462	0.341	/
	DSI5		Left Edge	10	128	824.2	-0.09	0.072	27.85	29.50	1.462	0.105	/
	DSI5		Right Edge	10	128	824.2	-0.10	0.127	27.85	29.50	1.462	0.186	/
	DSI5		Bottom Edge	10	128	824.2	0.07	0.192	27.85	29.50	1.462	0.281	/
Body(Sensor-1)													
Ant.4	DSI4	GPRS 3slots	Front Side	9	251	848.8	-0.02	0.204	27.57	29.50	1.560	0.318	/
	DSI4		Back Side	16	251	848.8	0.10	0.131	27.57	29.50	1.560	0.204	/
	DSI4		Left Edge	7	251	848.8	-0.09	0.119	27.57	29.50	1.560	0.186	/
	DSI4		Top Edge	16	251	848.8	0.00	0.114	27.57	29.50	1.560	0.178	/

11.2 GSM 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.4	DSI1	GPRS 2slots	Left Cheek	0	661	1880	0.14	0.326	22.38	23.50	1.294	0.422	/
	DSI1		Left Tilt	0	661	1880	-0.12	0.479	22.38	23.50	1.294	0.620	/
	DSI1		Right Cheek	0	661	1880	-0.18	0.716	22.38	23.50	1.294	0.927	/
	DSI1		Right Tilt	0	661	1880	0.05	0.791	22.38	23.50	1.294	**1.024**	4#
	DSI1		Right Cheek	0	512	1850.2	0.03	0.692	22.36	23.50	1.300	0.900	/
	DSI1		Right Cheek	0	810	1909.8	-0.11	0.671	22.25	23.50	1.334	0.895	/
	DSI1		Right Tilt	0	512	1850.2	-0.09	0.777	22.36	23.50	1.300	1.010	/
	DSI1		Right Tilt	0	810	1909.8	-0.17	0.753	22.25	23.50	1.334	1.005	/
Ant.1	DSI1	GPRS 2slots	Left Cheek	0	512	1850.2	-0.11	0.097	26.24	26.50	1.062	0.103	/
	DSI1		Left Tilt	0	512	1850.2	-0.13	0.073	26.24	26.50	1.062	0.078	/
	DSI1		Right Cheek	0	512	1850.2	-0.08	0.082	26.24	26.50	1.062	0.087	/
	DSI1		Right Tilt	0	512	1850.2	0.18	0.061	26.24	26.50	1.062	0.065	/
Body-worn													
Ant.4	DSI4	GPRS 2slots	Front Side	15	661	1880	0.02	0.167	25.29	26.50	1.321	0.221	/
	DSI3		Back Side	15	661	1880	0.02	0.331	22.91	24.00	1.285	**0.425**	5#
Ant.1	DSI4	GPRS 2slots	Front Side	15	512	1850.2	0.12	0.096	26.24	26.50	1.062	0.102	/
	DSI2		Back Side	15	512	1850.2	-0.04	0.146	26.24	26.50	1.062	0.155	/
Hotspot													
Ant.4	DSI5	GPRS 2slots	Front Side	10	661	1880	0.05	0.147	22.91	24.00	1.285	0.189	/
	DSI5		Back Side	10	661	1880	-0.14	0.255	22.91	24.00	1.285	0.328	/
	DSI5		Left Edge	10	661	1880	-0.04	0.071	22.91	24.00	1.285	0.091	/
	DSI5		Top Edge	10	661	1880	-0.03	0.453	22.91	24.00	1.285	**0.582**	6#
Ant.1	DSI5	GPRS 2slots	Front Side	10	512	1850.2	0.00	0.200	26.24	26.50	1.062	0.212	/
	DSI5		Back Side	10	512	1850.2	0.10	0.316	26.24	26.50	1.062	0.336	/
	DSI5		Left Edge	10	512	1850.2	0.01	0.106	26.24	26.50	1.062	0.113	/
	DSI5		Right Edge	10	512	1850.2	0.16	0.013	26.24	26.50	1.062	0.014	/
	DSI5		Bottom Edge	10	512	1850.2	-0.09	0.362	26.24	26.50	1.062	0.384	/
Body(Sensor-1)													
Ant.4	DSI4	GPRS 2slots	Front Side	9	661	1880	-0.10	0.296	25.29	26.50	1.321	0.391	/
	DSI4		Back Side	16	661	1880	-0.10	0.260	25.29	26.50	1.321	0.343	/
	DSI4		Left Edge	7	661	1880	-0.02	0.086	25.29	26.50	1.321	0.114	/
	DSI4		Top Edge	16	661	1880	0.00	0.428	25.29	26.50	1.321	0.565	/

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.4	DSI3	GPRS 2slots	Top Edge	0	512	1850.2	-0.01	1.380	22.89	24.00	1.291	**1.782**	7#

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.4	DSI1	RMC	Left Cheek	0	9400	1880	0.00	0.543	16.07	17.00	1.239	0.673	/
	DSI1		Left Tilt	0	9400	1880	0.14	0.623	16.07	17.00	1.239	0.772	/
	DSI1		Right Cheek	0	9400	1880	0.02	0.756	16.07	17.00	1.239	0.937	/
	DSI1		Right Tilt	0	9400	1880	0.00	0.828	16.07	17.00	1.239	**1.026**	8#
	DSI1		Right Cheek	0	9262	1852.4	0.02	0.742	16.07	17.00	1.239	0.919	/
	DSI1		Right Cheek	0	9538	1907.6	-0.12	0.715	15.91	17.00	1.285	0.919	/
	DSI1		Right Tilt	0	9262	1852.4	0.09	0.818	16.07	17.00	1.239	1.014	/
	DSI1		Right Tilt	0	9538	1907.6	-0.15	0.790	15.91	17.00	1.285	1.015	/
Ant.1	DSI1	RMC	Left Cheek	0	9262	1852.4	-0.08	0.128	24.36	25.00	1.159	0.148	/
	DSI1		Left Tilt	0	9262	1852.4	-0.15	0.090	24.36	25.00	1.159	0.104	/
	DSI1		Right Cheek	0	9262	1852.4	0.05	0.102	24.36	25.00	1.159	0.118	/
	DSI1		Right Tilt	0	9262	1852.4	0.18	0.075	24.36	25.00	1.159	0.087	/
Body-worn													
Ant.4	DSI4	RMC	Front Side	15	9400	1880	-0.13	0.219	22.61	24.00	1.377	0.302	/
	DSI3		Back Side	15	9400	1880	-0.01	0.300	18.00	19.00	1.259	**0.378**	9#
Ant.1	DSI4	RMC	Front Side	15	9262	1852.4	0.18	0.228	24.36	25.00	1.159	0.264	/
	DSI2		Back Side	15	9262	1852.4	0.17	0.237	21.85	22.50	1.161	0.275	/
Hotspot													
Ant.4	DSI5	RMC	Front Side	10	9400	1880	0.02	0.198	16.07	17.00	1.239	0.245	/
	DSI5		Back Side	10	9400	1880	0.04	0.371	16.07	17.00	1.239	0.460	/
	DSI5		Left Edge	10	9400	1880	-0.14	0.023	16.07	17.00	1.239	0.028	/
	DSI5		Top Edge	10	9400	1880	0.02	0.637	16.07	17.00	1.239	**0.789**	10#
Ant.1	DSI5	RMC	Front Side	10	9262	1852.4	-0.06	0.263	21.85	22.50	1.161	0.305	/
	DSI5		Back Side	10	9262	1852.4	-0.10	0.418	21.85	22.50	1.161	0.485	/
	DSI5		Left Edge	10	9262	1852.4	-0.18	0.186	21.85	22.50	1.161	0.216	/
	DSI5		Right Edge	10	9262	1852.4	-0.04	0.055	21.85	22.50	1.161	0.064	/
	DSI5		Bottom Edge	10	9262	1852.4	0.12	0.524	21.85	22.50	1.161	0.608	/
Body(Sensor-1)													
Ant.4	DSI4	RMC	Front Side	9	9400	1880	0.07	0.578	22.61	24.00	1.377	0.796	/
	DSI4		Back Side	16	9400	1880	-0.07	0.416	22.61	24.00	1.377	0.573	/
	DSI4		Left Edge	7	9400	1880	-0.02	0.171	22.61	24.00	1.377	0.235	/
	DSI4		Top Edge	16	9400	1880	-0.08	0.500	22.61	24.00	1.377	0.689	/
Ant.1	DSI4	RMC	Front Side	9	9262	1852.4	0.09	0.508	24.36	25.00	1.159	0.589	/
	DSI4		Back Side	16	9262	1852.4	0.13	0.342	24.36	25.00	1.159	0.396	/
	DSI4		Bottom Edge	16	9262	1852.4	0.09	0.371	24.36	25.00	1.159	0.430	/

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.4	DSI3	RMC	Front Side	0	9400	1880	0.02	0.653	18.00	19.00	1.259	0.822	/
	DSI3		Back Side	0	9400	1880	-0.11	0.789	18.00	19.00	1.259	0.993	/
	DSI3		Top Edge	0	9400	1880	-0.14	1.960	18.00	19.00	1.259	2.468	/
	DSI3		Top Edge	0	9400	1880	-0.14	1.960	18.00	19.00	1.259	2.468	/
	DSI3		Top Edge	0	9262	1852.4	-0.01	1.920	17.72	19.00	1.343	**2.579**	11#
	DSI3		Top Edge	0	9538	1907.6	0.02	1.810	17.88	19.00	1.294	2.342	/
Ant.1	DSI2	RMC	Bottom Edge	0	9262	1852.4	0.08	2.180	21.85	22.50	1.161	2.531	/
	DSI2		Bottom Edge	0	9400	1880	0.03	1.980	21.85	22.50	1.161	2.299	/
	DSI2		Bottom Edge	0	9538	1907.6	0.13	1.920	21.85	22.50	1.161	2.229	/

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.4	DSI1	RMC	Left Cheek	0	1312	1712.4	0.02	0.494	16.32	17.50	1.312	0.648	/
	DSI1		Left Tilt	0	1312	1712.4	0.13	0.608	16.32	17.50	1.312	0.798	/
	DSI1		Right Cheek	0	1312	1712.4	-0.01	0.760	16.32	17.50	1.312	0.997	/
	DSI1		Right Tilt	0	1312	1712.4	0.01	0.813	16.32	17.50	1.312	**1.067**	12#
	DSI1		Right Cheek	0	1412	1732.4	0.02	0.745	16.30	17.50	1.318	0.982	/
	DSI1		Right Cheek	0	1513	1752.6	0.03	0.751	16.27	17.50	1.327	0.997	/
	DSI1		Right Tilt	0	1412	1732.4	0.11	0.801	16.30	17.50	1.318	1.056	/
	DSI1		Right Tilt	0	1513	1752.6	-0.18	0.784	16.27	17.50	1.327	1.040	/
Ant.1	DSI1	RMC	Left Cheek	0	1312	1712.4	0.00	0.074	24.27	25.00	1.183	0.088	/
	DSI1		Left Tilt	0	1312	1712.4	0.18	0.055	24.27	25.00	1.183	0.065	/
	DSI1		Right Cheek	0	1312	1712.4	0.08	0.060	24.27	25.00	1.183	0.071	/
	DSI1		Right Tilt	0	1312	1712.4	-0.15	0.036	24.27	25.00	1.183	0.043	/
Body-worn													
Ant.4	DSI4	RMC	Front Side	15	1312	1712.4	-0.02	0.215	23.53	25.00	1.403	0.302	/
	DSI3		Back Side	15	1312	1712.4	0.01	0.239	17.43	18.50	1.279	**0.306**	13#
Ant.1	DSI4	RMC	Front Side	15	1312	1712.4	0.08	0.168	24.27	25.00	1.183	0.199	/
	DSI2		Back Side	15	1312	1712.4	0.01	0.253	22.81	23.50	1.172	0.297	/
Hotspot													
Ant.4	DSI5	RMC	Front Side	10	1312	1712.4	0.00	0.192	16.32	17.50	1.312	0.252	/
	DSI5		Back Side	10	1312	1712.4	0.03	0.307	16.32	17.50	1.312	0.403	/
	DSI5		Left Edge	10	1312	1712.4	-0.03	0.020	16.32	17.50	1.312	0.026	/
	DSI5		Top Edge	10	1312	1712.4	-0.15	0.468	16.32	17.50	1.312	0.614	/
Ant.1	DSI5	RMC	Front Side	10	1312	1712.4	0.04	0.273	22.81	23.50	1.172	0.320	/
	DSI5		Back Side	10	1312	1712.4	0.13	0.490	22.81	23.50	1.172	0.574	/
	DSI5		Left Edge	10	1312	1712.4	-0.06	0.160	22.81	23.50	1.172	0.188	/
	DSI5		Right Edge	10	1312	1712.4	0.15	0.101	22.81	23.50	1.172	0.118	/
	DSI5		Bottom Edge	10	1312	1712.4	0.08	0.779	22.81	23.50	1.172	0.913	/
	DSI5		Bottom Edge	10	1412	1732.4	-0.16	0.768	22.80	23.50	1.175	0.902	/
	DSI5		Bottom Edge	10	1513	1752.6	0.02	0.810	22.75	23.50	1.189	**0.963**	14#
Body(Sensor-1)													
Ant.4	DSI4	RMC	Front Side	9	1312	1712.4	0.00	0.778	23.53	25.00	1.403	1.092	/
	DSI4		Back Side	16	1312	1712.4	-0.07	0.567	23.53	25.00	1.403	0.796	/
	DSI4		Left Edge	7	1312	1712.4	0.11	0.077	23.53	25.00	1.403	0.108	/
	DSI4		Top Edge	16	1312	1712.4	0.01	0.754	23.53	25.00	1.403	1.058	/
	DSI4		Front Side	9	1412	1732.4	-0.09	0.760	23.42	25.00	1.439	1.094	/
	DSI4		Front Side	9	1513	1752.6	0.04	0.746	23.38	25.00	1.452	1.083	/

	DSI4		Top Edge	16	1412	1732.4	0.06	0.730	23.42	25.00	1.439	1.050	/
	DSI4		Top Edge	16	1513	1752.6	-0.05	0.720	23.38	25.00	1.452	1.045	/
Ant.1	DSI4	RMC	Front Side	9	1312	1712.4	0.05	0.437	24.27	25.00	1.183	0.517	/
	DSI4		Back Side	16	1312	1712.4	0.04	0.354	24.27	25.00	1.183	0.419	/
	DSI4		Bottom Edge	16	1312	1712.4	-0.05	0.445	24.27	25.00	1.183	0.526	/

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.4	DSI3	RMC	Front Side	0	1312	1712.4	-0.03	0.652	17.43	18.50	1.279	0.834	/
	DSI3		Back Side	0	1312	1712.4	0.05	0.924	17.43	18.50	1.279	1.182	/
	DSI3		Top Edge	0	1312	1712.4	0.14	1.800	17.43	18.50	1.279	2.302	/
	DSI3		Top Edge	0	1412	1412	-0.02	1.870	17.28	18.50	1.324	**2.476**	15#
	DSI3		Top Edge	0	1513	1752.6	-0.13	1.730	17.17	18.50	1.358	2.349	/
Ant.1	DSI2	RMC	Bottom Edge	0	1312	1712.4	0.01	2.010	22.81	23.50	1.172	2.356	/
	DSI2		Bottom Edge	0	1412	1732.4	-0.01	1.980	22.80	23.50	1.175	2.327	/
	DSI2		Bottom Edge	0	1513	1752.6	0.03	2.020	22.75	23.50	1.189	2.402	/

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.4	DSI1	RMC	Left Cheek	0	4233	846.6	-0.05	0.536	21.66	22.00	1.081	0.579	/
	DSI1		Left Tilt	0	4233	846.6	0.02	0.455	21.66	22.00	1.081	0.492	/
	DSI1		Right Cheek	0	4233	846.6	0.02	0.603	21.66	22.00	1.081	**0.652**	16#
	DSI1		Right Tilt	0	4233	846.6	0.01	0.394	21.66	22.00	1.081	0.426	/
Ant.1	DSI1	RMC	Left Cheek	0	4233	846.6	-0.06	0.170	24.04	25.00	1.247	0.212	/
	DSI1		Left Tilt	0	4233	846.6	-0.09	0.103	24.04	25.00	1.247	0.128	/
	DSI1		Right Cheek	0	4233	846.6	0.13	0.134	24.04	25.00	1.247	0.167	/
	DSI1		Right Tilt	0	4233	846.6	-0.17	0.078	24.04	25.00	1.247	0.097	/
Body-worn													
Ant.4	DSI4	RMC	Front Side	15	4233	846.6	-0.03	0.158	24.49	25.00	1.125	0.178	/
	DSI3		Back Side	15	4233	846.6	-0.02	0.255	24.49	25.00	1.125	**0.287**	17#
Ant.1	DSI4	RMC	Front Side	15	4233	846.6	-0.13	0.120	24.04	25.00	1.247	0.150	/
	DSI2		Back Side	15	4233	846.6	0.00	0.175	24.04	25.00	1.247	0.218	/
Hotspot													
Ant.4	DSI5	RMC	Front Side	10	4233	846.6	0.11	0.237	23.10	24.00	1.230	0.292	/
	DSI5		Back Side	10	4233	846.6	-0.01	0.390	23.10	24.00	1.230	0.480	/
	DSI5		Left Edge	10	4233	846.6	-0.09	0.087	23.10	24.00	1.230	0.107	/
	DSI5		Top Edge	10	4233	846.6	0.06	0.230	23.10	24.00	1.230	0.283	/
Ant.1	DSI5	RMC	Front Side	10	4233	846.6	-0.08	0.187	24.04	25.00	1.247	0.233	/
	DSI5		Back Side	10	4233	846.6	-0.01	0.389	24.04	25.00	1.247	**0.485**	18#
	DSI5		Left Edge	10	4233	846.6	0.05	0.064	24.04	25.00	1.247	0.080	/
	DSI5		Right Edge	10	4233	846.6	-0.11	0.128	24.04	25.00	1.247	0.160	/
	DSI5		Bottom Edge	10	4233	846.6	0.11	0.278	24.04	25.00	1.247	0.347	/

11.6 LTE 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.4	DSI1	QPSK	Left Cheek	0	19100	1900	1	Low	0.01	0.344	15.23	16.00	1.194	0.411	/
	DSI1		Left Tilt	0	19100	1900	1	Low	0.02	0.382	15.23	16.00	1.194	0.456	/
	DSI1		Right Cheek	0	19100	1900	1	Low	-0.14	0.598	15.23	16.00	1.194	0.714	/
	DSI1		Right Tilt	0	19100	1900	1	Low	0.00	0.874	15.23	16.00	1.194	**1.044**	19#
	DSI1		Left Cheek	0	18700	1860	50	Mid	0.02	0.332	14.98	16.00	1.265	0.420	/
	DSI1		Left Tilt	0	18700	1860	50	Mid	0.06	0.372	14.98	16.00	1.265	0.471	/
	DSI1		Right Cheek	0	18700	1860	50	Mid	-0.07	0.565	14.98	16.00	1.265	0.715	/
	DSI1		Right Tilt	0	18700	1860	50	Mid	-0.14	0.784	14.98	16.00	1.265	0.992	/
	DSI1		Right Tilt	0	18700	1860	1	Low	0.12	0.748	14.77	16.00	1.327	0.993	/
	DSI1		Right Tilt	0	18900	1880	1	High	0.08	0.779	14.89	16.00	1.291	1.006	/
	DSI1		Right Tilt	0	18900	1880	50	Low	0.12	0.723	14.95	16.00	1.274	0.921	/
	DSI1		Right Tilt	0	19100	1900	50	Low	0.15	0.693	14.92	16.00	1.282	0.888	/
	DSI1		Right Tilt	0	19100	1900	100	Low	-0.01	0.726	14.81	16.00	1.315	0.955	/
Ant.1	DSI1	QPSK	Left Cheek	0	19100	1900	1	High	0.07	0.172	24.38	25.50	1.294	0.223	/
	DSI1		Left Tilt	0	19100	1900	1	High	-0.01	0.150	24.38	25.50	1.294	0.194	/
	DSI1		Right Cheek	0	19100	1900	1	High	0.08	0.133	24.38	25.50	1.294	0.172	/
	DSI1		Right Tilt	0	19100	1900	1	High	-0.14	0.087	24.38	25.50	1.294	0.113	/
	DSI1		Left Cheek	0	19100	1900	50	Mid	-0.06	0.141	23.49	24.50	1.262	0.178	/
	DSI1		Left Tilt	0	19100	1900	50	Mid	-0.02	0.123	23.49	24.50	1.262	0.155	/
	DSI1		Right Cheek	0	19100	1900	50	Mid	-0.07	0.123	23.49	24.50	1.262	0.155	/
	DSI1		Right Tilt	0	19100	1900	50	Mid	-0.08	0.064	23.49	24.50	1.262	0.081	/
Body-worn															
Ant.4	DSI4	QPSK	Front Side	15	18900	1880	1	High	-0.04	0.232	23.68	25.50	1.521	0.353	/
	DSI3		Back Side	15	19100	1900	1	Low	-0.18	0.315	17.84	19.00	1.306	0.411	/
	DSI4		Front Side	15	19100	1900	50	Mid	-0.07	0.211	22.81	24.50	1.476	0.311	/
	DSI3		Back Side	15	19100	1900	50	Mid	0.07	0.326	17.79	19.00	1.321	0.431	/
Ant.1	DSI4	QPSK	Front Side	15	19100	1900	1	High	-0.06	0.238	24.38	25.50	1.294	0.308	/
	DSI2		Back Side	15	18700	1860	1	High	-0.16	0.385	21.37	22.50	1.297	**0.499**	20#
	DSI4		Front Side	15	19100	1900	50	Mid	-0.18	0.202	23.49	24.50	1.262	0.255	/
	DSI2		Back Side	15	18700	1860	50	Mid	-0.02	0.305	21.42	22.50	1.282	0.391	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	19100	1900	1	Low	-0.05	0.121	15.23	16.00	1.194	0.144	/
	DSI5		Back Side	10	19100	1900	1	Low	0.03	0.221	15.23	16.00	1.194	0.264	/
	DSI5		Left Edge	10	19100	1900	1	Low	0.15	0.015	15.23	16.00	1.194	0.018	/
	DSI5		Top Edge	10	19100	1900	1	Low	0.07	0.438	15.23	16.00	1.194	0.523	/
	DSI5		Front Side	10	18700	1860	50	Mid	0.01	0.132	14.98	16.00	1.265	0.167	/

	DSI5		Back Side	10	18700	1860	50	Mid	0.09	0.233	14.98	16.00	1.265	0.295	/
	DSI5		Left Edge	10	18700	1860	50	Mid	0.07	0.016	14.98	16.00	1.265	0.020	/
	DSI5		Top Edge	10	18700	1860	50	Mid	0.02	0.464	14.98	16.00	1.265	**0.587**	21#
Ant.1	DSI5	QPSK	Front Side	10	18900	1880	1	Low	0.07	0.190	20.41	21.50	1.285	0.244	/
	DSI5		Back Side	10	18900	1880	1	Low	-0.13	0.286	20.41	21.50	1.285	0.368	/
	DSI5		Left Edge	10	18900	1880	1	Low	-0.14	0.129	20.41	21.50	1.285	0.166	/
	DSI5		Right Edge	10	18900	1880	1	Low	-0.09	0.034	20.41	21.50	1.285	0.044	/
	DSI5		Bottom Edge	10	18900	1880	1	Low	-0.12	0.358	20.41	21.50	1.285	0.460	/
	DSI5		Front Side	10	18700	1860	50	Mid	0.01	0.200	20.53	21.50	1.250	0.250	/
	DSI5		Back Side	10	18700	1860	50	Mid	0.04	0.299	20.53	21.50	1.250	0.374	/
	DSI5		Left Edge	10	18700	1860	50	Mid	0.06	0.133	20.53	21.50	1.250	0.166	/
	DSI5		Right Edge	10	18700	1860	50	Mid	-0.17	0.036	20.53	21.50	1.250	0.045	/
	DSI5		Bottom Edge	10	18700	1860	50	Mid	-0.06	0.371	20.53	21.50	1.250	0.464	/
Body(Sensor-1)															
Ant.4	DSI4	QPSK	Front Side	9	18900	1880	1	High	0.08	0.522	23.68	25.50	1.521	0.794	/
	DSI4		Back Side	16	18900	1880	1	High	-0.08	0.518	23.68	25.50	1.521	0.788	/
	DSI4		Left Edge	7	18900	1880	1	High	-0.09	0.068	23.68	25.50	1.521	0.103	/
	DSI4		Top Edge	16	18900	1880	1	High	-0.09	0.692	23.68	25.50	1.521	1.053	/
	DSI4		Front Side	9	19100	1900	50	Mid	-0.05	0.412	22.81	24.50	1.476	0.608	/
	DSI4		Back Side	16	19100	1900	50	Mid	-0.04	0.408	22.81	24.50	1.476	0.602	/
	DSI4		Left Edge	7	19100	1900	50	Mid	0.11	0.053	22.81	24.50	1.476	0.078	/
	DSI4		Top Edge	16	19100	1900	50	Mid	0.09	0.535	22.81	24.50	1.476	0.790	/
	DSI4		Top Edge	16	18700	1860	1	High	0.08	0.675	23.64	25.50	1.535	1.036	/
	DSI4		Top Edge	16	18900	1880	1	High	-0.01	0.680	23.68	25.50	1.521	1.034	/
	DSI4		Top Edge	16	18700	1860	100	Low	-0.11	0.538	22.79	24.50	1.483	0.798	/
Ant.1	DSI4	QPSK	Front Side	9	19100	1900	1	High	-0.05	0.403	24.38	25.50	1.294	0.521	/
	DSI4		Back Side	16	19100	1900	1	High	0.04	0.302	24.38	25.50	1.294	0.391	/
	DSI4		Bottom Edge	16	19100	1900	1	High	0.13	0.386	24.38	25.50	1.294	0.499	/
	DSI4		Front Side	9	19100	1900	50	Mid	0.07	0.396	23.49	24.50	1.262	0.500	/
	DSI4		Back Side	16	19100	1900	50	Mid	0.09	0.295	23.49	24.50	1.262	0.372	/
	DSI4		Bottom Edge	16	19100	1900	50	Mid	-0.09	0.392	23.49	24.50	1.262	0.495	/

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.4	DSI3	QPSK	Front Side	0	19100	1900	1	Low	-0.13	0.691	17.84	19.00	1.306	0.902	/
	DSI3		Back Side	0	19100	1900	1	Low	-0.06	0.812	17.84	19.00	1.306	1.060	/
	DSI3		Top Edge	0	19100	1900	1	Low	0.05	1.950	17.84	19.00	1.306	**2.547**	22#
	DSI3		Front Side	0	18700	1860	50	Mid	0.07	0.667	17.79	19.00	1.321	0.881	/
	DSI3		Back Side	0	18700	1860	50	Mid	-0.13	0.758	17.79	19.00	1.321	1.001	/
	DSI3		Top Edge	0	18700	1860	50	Mid	-0.14	1.810	17.79	19.00	1.321	2.391	/
	DSI3		Top Edge	0	18700	1860	1	High	-0.03	1.830	17.69	19.00	1.352	2.474	/
	DSI3		Top Edge	0	18900	1880	1	Low	0.06	1.740	17.66	19.00	1.361	2.368	/
	DSI3		Top Edge	0	18900	1880	50	Low	-0.17	1.790	17.67	19.00	1.358	2.431	/
	DSI3		Top Edge	0	19100	1900	50	Low	0.18	1.810	17.71	19.00	1.346	2.436	/
	DSI3		Top Edge	0	19100	1900	100	Low	0.02	1.720	17.64	19.00	1.368	2.353	/

11.7 LTE 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.4	DSI1	QPSK	Left Cheek	0	20175	1732.5	1	Low	0.13	0.568	15.92	17.00	1.282	0.728	/
	DSI1		Left Tilt	0	20175	1732.5	1	Low	0.06	0.687	15.92	17.00	1.282	0.881	/
	DSI1		Right Cheek	0	20175	1732.5	1	Low	-0.14	0.796	15.92	17.00	1.282	1.020	/
	DSI1		Right Tilt	0	20175	1732.5	1	Low	-0.03	0.848	15.92	17.00	1.282	**1.087**	23#
	DSI1		Left Cheek	0	20175	1732.5	50	Low	0.11	0.555	16.07	17.00	1.239	0.688	/
	DSI1		Left Tilt	0	20175	1732.5	50	Low	0.10	0.701	16.07	17.00	1.239	0.869	/
	DSI1		Right Cheek	0	20175	1732.5	50	Low	-0.07	0.769	16.07	17.00	1.239	0.953	/
	DSI1		Right Tilt	0	20175	1732.5	50	Low	-0.08	0.821	16.07	17.00	1.239	1.017	/
	DSI1		Right Cheek	0	20050	1720	1	Low	-0.02	0.712	15.91	17.00	1.285	0.915	/
	DSI1		Right Cheek	0	20300	1745	1	High	0.04	0.718	15.91	17.00	1.285	0.923	/
	DSI1		Right Cheek	0	20050	1720	50	Mid	0.12	0.725	16.04	17.00	1.247	0.904	/
	DSI1		Right Cheek	0	20300	1745	50	High	0.01	0.710	15.99	17.00	1.262	0.896	/
	DSI1		Right Cheek	0	20175	1732.5	100	Low	-0.08	0.688	16.04	17.00	1.247	0.858	/
	DSI1		Right Tilt	0	20050	1720	1	Low	0.18	0.789	15.91	17.00	1.285	1.014	/
	DSI1		Right Tilt	0	20300	1745	1	High	-0.02	0.802	15.91	17.00	1.285	1.031	/
	DSI1		Right Tilt	0	20050	1720	50	Mid	-0.06	0.822	16.04	17.00	1.247	1.025	/
	DSI1		Right Tilt	0	20300	1745	50	High	0.06	0.796	15.99	17.00	1.262	1.005	/
	DSI1		Right Tilt	0	20175	1732.5	100	Low	0.03	0.758	16.04	17.00	1.247	0.945	/
Ant.3	DSI1	QPSK	Left Cheek	0	20175	1732.5	1	High	-0.08	0.382	24.49	25.00	1.125	0.430	/
	DSI1		Left Tilt	0	20175	1732.5	1	High	0.11	0.215	24.49	25.00	1.125	0.242	/
	DSI1		Right Cheek	0	20175	1732.5	1	High	-0.01	0.443	24.49	25.00	1.125	0.498	/
	DSI1		Right Tilt	0	20175	1732.5	1	High	-0.07	0.375	24.49	25.00	1.125	0.422	/
	DSI1		Left Cheek	0	20175	1732.5	50	Mid	0.11	0.318	23.53	24.50	1.250	0.398	/
	DSI1		Left Tilt	0	20175	1732.5	50	Mid	-0.06	0.179	23.53	24.50	1.250	0.224	/
	DSI1		Right Cheek	0	20175	1732.5	50	Mid	-0.07	0.371	23.53	24.50	1.250	0.464	/
	DSI1		Right Tilt	0	20175	1732.5	50	Mid	-0.07	0.309	23.53	24.50	1.250	0.386	/
Ant.1	DSI1	QPSK	Left Cheek	0	20300	1745	1	High	0.02	0.147	24.40	25.00	1.148	0.169	/
	DSI1		Left Tilt	0	20300	1745	1	High	-0.12	0.101	24.40	25.00	1.148	0.116	/
	DSI1		Right Cheek	0	20300	1745	1	High	0.02	0.120	24.40	25.00	1.148	0.138	/
	DSI1		Right Tilt	0	20300	1745	1	High	0.11	0.089	24.40	25.00	1.148	0.102	/
	DSI1		Left Cheek	0	20300	1745	50	High	-0.11	0.120	23.51	24.50	1.256	0.151	/
	DSI1		Left Tilt	0	20300	1745	50	High	0.07	0.085	23.51	24.50	1.256	0.107	/
	DSI1		Right Cheek	0	20300	1745	50	High	0.15	0.095	23.51	24.50	1.256	0.119	/
	DSI1		Right Tilt	0	20300	1745	50	High	-0.05	0.069	23.51	24.50	1.256	0.087	/
Body-worn															
Ant.4	DSI4	QPSK	Front Side	15	20050	1720	1	Mid	0.03	0.303	22.28	23.50	1.324	0.401	/

	DSI3		Back Side	15	20175	1732.5	1	Low	0.00	0.387	17.99	19.00	1.262	**0.488**	24#
	DSI4		Front Side	15	20175	1732.5	50	High	0.16	0.289	22.27	23.50	1.327	0.384	/
	DSI3		Back Side	15	20175	1732.5	50	High	0.01	0.368	18.03	19.00	1.250	0.460	/
Ant.3	DSI4	QPSK	Front Side	15	20175	1732.5	1	High	0.05	0.128	24.49	25.00	1.125	0.144	/
	DSI3		Back Side	15	20175	1732.5	1	Mid	-0.02	0.236	21.51	22.00	1.119	0.264	/
	DSI4		Front Side	15	20175	1732.5	50	Mid	0.07	0.125	23.53	24.50	1.250	0.156	/
	DSI3		Back Side	15	20175	1732.5	50	High	0.11	0.240	21.56	22.00	1.107	0.266	/
Ant.1	DSI4	QPSK	Front Side	15	20300	1745	1	High	-0.02	0.206	24.40	25.00	1.148	0.236	/
	DSI2		Back Side	15	20050	1720	1	Low	-0.03	0.340	22.44	23.50	1.276	0.434	/
	DSI4		Front Side	15	20300	1745	50	High	0.04	0.167	23.51	24.50	1.256	0.210	/
	DSI2		Back Side	15	20050	1720	50	Low	0.03	0.269	22.54	23.50	1.247	0.335	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	20175	1732.5	1	Low	0.14	0.118	14.95	16.00	1.274	0.150	/
	DSI5		Back Side	10	20175	1732.5	1	Low	0.02	0.205	14.95	16.00	1.274	0.261	/
	DSI5		Left Edge	10	20175	1732.5	1	Low	0.17	0.015	14.95	16.00	1.274	0.019	/
	DSI5		Top Edge	10	20175	1732.5	1	Low	-0.04	0.320	14.95	16.00	1.274	0.408	/
	DSI5		Front Side	10	20175	1732.5	50	Low	-0.06	0.124	15.28	16.00	1.180	0.146	/
	DSI5		Back Side	10	20175	1732.5	50	Low	-0.13	0.248	15.28	16.00	1.180	0.293	/
	DSI5		Left Edge	10	20175	1732.5	50	Low	0.12	0.016	15.28	16.00	1.180	0.019	/
	DSI5		Top Edge	10	20175	1732.5	50	Low	0.02	0.395	15.28	16.00	1.180	0.466	/
Ant.3	DSI5	QPSK	Front Side	10	20175	1732.5	1	Mid	-0.11	0.176	21.51	22.00	1.119	0.197	/
	DSI5		Back Side	10	20175	1732.5	1	Mid	-0.13	0.498	21.51	22.00	1.119	0.557	/
	DSI5		Left Edge	10	20175	1732.5	1	Mid	-0.04	0.524	21.51	22.00	1.119	0.586	/
	DSI5		Front Side	10	20175	1732.5	50	High	-0.02	0.180	21.56	22.00	1.107	0.199	/
	DSI5		Back Side	10	20175	1732.5	50	High	-0.02	0.492	21.56	22.00	1.107	0.545	/
	DSI5		Left Edge	10	20175	1732.5	50	High	0.15	0.513	21.56	22.00	1.107	0.568	/
Ant.1	DSI5	QPSK	Front Side	10	20300	1745	1	Low	0.15	0.189	21.51	22.50	1.256	0.237	/
	DSI5		Back Side	10	20300	1745	1	Low	-0.12	0.312	21.51	22.50	1.256	0.392	/
	DSI5		Left Edge	10	20300	1745	1	Low	-0.18	0.094	21.51	22.50	1.256	0.118	/
	DSI5		Right Edge	10	20300	1745	1	Low	0.16	0.054	21.51	22.50	1.256	0.068	/
	DSI5		Bottom Edge	10	20300	1745	1	Low	-0.08	0.551	21.51	22.50	1.256	0.692	/
	DSI5		Front Side	10	20175	1732.5	50	High	0.12	0.194	21.55	22.50	1.245	0.242	/
	DSI5		Back Side	10	20175	1732.5	50	High	-0.14	0.320	21.55	22.50	1.245	0.398	/
	DSI5		Left Edge	10	20175	1732.5	50	High	-0.18	0.100	21.55	22.50	1.245	0.125	/
	DSI5		Right Edge	10	20175	1732.5	50	High	0.00	0.055	21.55	22.50	1.245	0.068	/
	DSI5		Bottom Edge	10	20175	1732.5	50	High	-0.01	0.569	21.55	22.50	1.245	**0.708**	25#
Body(Sensor-1)															
Ant.4	DSI4	QPSK	Front Side	9	20050	1720	1	Mid	-0.06	0.580	22.28	23.50	1.324	0.768	/
	DSI4		Back Side	16	20050	1720	1	Mid	-0.05	0.453	22.28	23.50	1.324	0.600	/
	DSI4		Left Edge	7	20050	1720	1	Mid	-0.06	0.063	22.28	23.50	1.324	0.083	/
	DSI4		Top Edge	16	20050	1720	1	Mid	-0.05	0.602	22.28	23.50	1.324	0.797	/
	DSI4		Front Side	9	20175	1732.5	50	High	-0.08	0.576	22.27	23.50	1.327	0.764	/
	DSI4		Back Side	16	20175	1732.5	50	High	-0.06	0.451	22.27	23.50	1.327	0.598	/

	DSI4		Left Edge	7	20175	1732.5	50	High	-0.05	0.061	22.27	23.50	1.327	0.081	/
	DSI4		Top Edge	16	20175	1732.5	50	High	0.07	0.589	22.27	23.50	1.327	0.782	/
Ant.3	DSI4	QPSK	Front Side	9	20175	1732.5	1	High	-0.02	0.273	24.49	25.00	1.125	0.307	/
	DSI4		Back Side	16	20175	1732.5	1	High	0.04	0.325	24.49	25.00	1.125	0.366	/
	DSI4		Left Edge	7	20175	1732.5	1	High	0.03	0.658	24.49	25.00	1.125	0.740	/
	DSI4		Top Edge	16	20175	1732.5	1	High	0.05	0.085	24.49	25.00	1.125	0.096	/
	DSI4		Front Side	9	20175	1732.5	50	Mid	-0.05	0.238	23.53	24.50	1.250	0.298	/
	DSI4		Back Side	16	20175	1732.5	50	Mid	0.12	0.286	23.53	24.50	1.250	0.358	/
	DSI4		Left Edge	7	20175	1732.5	50	Mid	0.06	0.576	23.53	24.50	1.250	0.720	/
	DSI4		Top Edge	16	20175	1732.5	50	Mid	-0.01	0.073	23.53	24.50	1.250	0.091	/
Ant.1	DSI4	QPSK	Front Side	9	20300	1745	1	High	0.07	0.449	24.40	25.00	1.148	0.515	/
	DSI4		Back Side	16	20300	1745	1	High	0.02	0.382	24.40	25.00	1.148	0.439	/
	DSI4		Bottom Edge	16	20300	1745	1	High	0.09	0.471	24.40	25.00	1.148	0.541	/
	DSI4		Front Side	9	20300	1745	50	High	-0.07	0.359	23.51	24.50	1.256	0.451	/
	DSI4		Back Side	16	20300	1745	50	High	0.01	0.312	23.51	24.50	1.256	0.392	/
	DSI4		Bottom Edge	16	20300	1745	50	High	0.08	0.371	23.51	24.50	1.256	0.466	/

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.4	DSI3	QPSK	Back Side	0	20175	1732.5	1	Low	0.01	1.350	17.99	19.00	1.262	1.704	/
	DSI3		Top Edge	0	20175	1732.5	1	Low	-0.01	1.980	17.99	19.00	1.262	**2.499**	26#
	DSI3		Back Side	0	20175	1732.5	50	High	0.02	1.260	18.03	19.00	1.250	1.575	/
	DSI3		Top Edge	0	20175	1732.5	50	High	-0.03	1.960	18.03	19.00	1.250	2.450	/
	DSI3		Top Edge	0	20050	1720	1	Low	0.05	1.910	17.99	19.00	1.262	2.410	/
	DSI3		Top Edge	0	20300	1745	1	High	-0.140	1.860	17.92	19.00	1.282	2.385	/
	DSI3		Top Edge	0	20050	1720	50	High	-0.09	1.890	17.96	19.00	1.271	2.402	/
	DSI3		Top Edge	0	20300	1745	50	High	-0.05	1.960	17.99	19.00	1.262	2.474	/
	DSI3		Top Edge	0	20175	1732.5	100	Low	-0.08	1.850	17.96	19.00	1.271	2.351	/
Ant.1	DSI3	QPSK	Bottom Edge	0	20050	1720	1	Low	0.07	1.820	22.44	23.50	1.276	2.322	/
	DSI3		Bottom Edge	0	20050	1720	50	Low	-0.02	1.900	22.54	23.50	1.247	2.369	/
	DSI3		Bottom Edge	0	20175	1732.5	1	Low	0.07	1.790	22.40	23.50	1.288	2.306	/
	DSI3		Bottom Edge	0	20300	1745	1	High	0.06	1.820	22.42	23.50	1.282	2.333	/
	DSI3		Bottom Edge	0	20050	1720	50	High	0.10	1.910	22.46	23.50	1.271	2.428	/
	DSI3		Bottom Edge	0	20300	1745	50	High	0.09	1.930	22.42	23.50	1.282	2.474	/
	DSI3		Bottom Edge	0	20050	1720	100	Low	0.12	1.920	22.52	23.50	1.253	2.406	/

11.8 LTE Band 5 (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.4	DSI1	QPSK	Left Cheek	0	20600	844	1	Low	0.09	0.632	20.25	21.00	1.189	0.751	/
	DSI1		Left Tilt	0	20600	844	1	Low	0.08	0.577	20.25	21.00	1.189	0.686	/
	DSI1		Right Cheek	0	20600	844	1	Low	-0.01	0.802	20.25	21.00	1.189	**0.954**	27#
	DSI1		Right Tilt	0	20600	844	1	Low	0.09	0.671	20.25	21.00	1.189	0.798	/
	DSI1		Left Cheek	0	20600	844	25	High	0.06	0.622	20.46	21.00	1.132	0.704	/
	DSI1		Left Tilt	0	20600	844	25	High	-0.16	0.564	20.46	21.00	1.132	0.638	/
	DSI1		Right Cheek	0	20600	844	25	High	0.15	0.758	20.46	21.00	1.132	0.858	/
	DSI1		Right Tilt	0	20600	844	25	High	0.14	0.638	20.46	21.00	1.132	0.722	/
	DSI1		Right Cheek	0	20450	829	1	Low	0.15	0.725	20.18	21.00	1.208	0.876	/
	DSI1		Right Cheek	0	20525	836.5	1	Mid	0.18	0.687	20.29	21.00	1.178	0.809	/
	DSI1		Right Cheek	0	20450	829	25	Low	-0.10	0.738	20.29	21.00	1.178	0.869	/
	DSI1		Right Cheek	0	20525	836.5	25	Mid	-0.11	0.712	20.41	21.00	1.146	0.816	/
	DSI1		Right Cheek	0	20525	836.5	50	Low	-0.10	0.698	20.41	21.00	1.146	0.800	/
Ant.1	DSI1	QPSK	Left Cheek	0	20600	844	1	Low	0.10	0.162	24.18	25.50	1.355	0.220	/
	DSI1		Left Tilt	0	20600	844	1	Low	-0.14	0.069	24.18	25.50	1.355	0.093	/
	DSI1		Right Cheek	0	20600	844	1	Low	0.15	0.125	24.18	25.50	1.355	0.169	/
	DSI1		Right Tilt	0	20600	844	1	Low	0.01	0.058	24.18	25.50	1.355	0.079	/
	DSI1		Left Cheek	0	20600	844	25	High	0.08	0.135	23.25	24.50	1.334	0.180	/
	DSI1		Left Tilt	0	20600	844	25	High	-0.18	0.057	23.25	24.50	1.334	0.076	/
	DSI1		Right Cheek	0	20600	844	25	High	0.05	0.020	23.25	24.50	1.334	0.027	/
	DSI1		Right Tilt	0	20600	844	25	High	-0.07	0.042	23.25	24.50	1.334	0.056	/
Body-worn															
Ant.4	DSI4	QPSK	Front Side	15	20600	844	1	Low	0.07	0.152	24.57	25.50	1.239	0.188	/
	DSI3		Back Side	15	20600	844	1	Low	-0.07	0.232	24.57	25.50	1.239	**0.287**	28#
	DSI4		Front Side	15	20600	844	25	Mid	0.14	0.128	23.71	24.50	1.199	0.153	/
	DSI3		Back Side	15	20600	844	25	Mid	0.06	0.184	23.71	24.50	1.199	0.221	/
Ant.1	DSI4	QPSK	Front Side	15	20600	844	1	Low	0.07	0.125	24.18	25.50	1.355	0.169	/
	DSI2		Back Side	15	20600	844	1	Low	0.05	0.164	24.18	25.50	1.355	0.222	/
	DSI4		Front Side	15	20600	844	25	High	0.10	0.104	23.25	24.50	1.334	0.139	/
	DSI2		Back Side	15	20600	844	25	High	-0.14	0.139	23.25	24.50	1.334	0.185	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	20600	844	1	Low	0.01	0.221	23.14	24.50	1.368	0.302	/
	DSI5		Back Side	10	20600	844	1	Low	-0.02	0.353	23.14	24.50	1.368	**0.483**	29#
	DSI5		Left Edge	10	20600	844	1	Low	0.09	0.106	23.14	24.50	1.368	0.145	/
	DSI5		Top Edge	10	20600	844	1	Low	0.06	0.259	23.14	24.50	1.368	0.354	/
	DSI5		Front Side	10	20600	844	25	High	-0.17	0.187	23.22	24.50	1.343	0.251	/

	DSI5		Back Side	10	20600	844	25	High	-0.12	0.297	23.22	24.50	1.343	0.399	/
	DSI5		Left Edge	10	20600	844	25	High	0.05	0.085	23.22	24.50	1.343	0.114	/
	DSI5		Top Edge	10	20600	844	25	High	0.01	0.188	23.22	24.50	1.343	0.252	/
Ant.1	DSI5	QPSK	Front Side	10	20600	844	1	Low	0.06	0.203	24.18	25.50	1.355	0.275	/
	DSI5		Back Side	10	20600	844	1	Low	-0.06	0.338	24.18	25.50	1.355	0.458	/
	DSI5		Left Edge	10	20600	844	1	Low	0.05	0.082	24.18	25.50	1.355	0.111	/
	DSI5		Right Edge	10	20600	844	1	Low	0.09	0.126	24.18	25.50	1.355	0.171	/
	DSI5		Bottom Edge	10	20600	844	1	Low	-0.06	0.271	24.18	25.50	1.355	0.367	/
	DSI5		Front Side	10	20600	844	25	High	0.08	0.172	23.25	24.50	1.334	0.229	/
	DSI5		Back Side	10	20600	844	25	High	-0.09	0.281	23.25	24.50	1.334	0.375	/
	DSI5		Left Edge	10	20600	844	25	High	-0.06	0.071	23.25	24.50	1.334	0.095	/
	DSI5		Right Edge	10	20600	844	25	High	0.06	0.106	23.25	24.50	1.334	0.141	/
	DSI5		Bottom Edge	10	20600	844	25	High	0.10	0.230	23.25	24.50	1.334	0.307	/

11.9 LTE 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.4	DSI1	QPSK	Left Cheek	0	21100	2535	1	High	-0.01	0.463	20.65	21.00	1.084	0.502	/
	DSI1		Left Tilt	0	21100	2535	1	High	0.03	0.508	20.65	21.00	1.084	0.551	/
	DSI1		Right Cheek	0	21100	2535	1	High	0.17	0.570	20.65	21.00	1.084	0.618	/
	DSI1		Right Tilt	0	21100	2535	1	High	-0.05	0.764	20.65	21.00	1.084	**0.828**	30#
	DSI1		Left Cheek	0	20850	2510	50	Mid	0.17	0.458	20.82	21.00	1.042	0.477	/
	DSI1		Left Tilt	0	20850	2510	50	Mid	-0.16	0.511	20.82	21.00	1.042	0.532	/
	DSI1		Right Cheek	0	20850	2510	50	Mid	-0.02	0.562	20.82	21.00	1.042	0.586	/
	DSI1		Right Tilt	0	20850	2510	50	Mid	-0.11	0.712	20.82	21.00	1.042	0.742	/
	DSI1		Right Tilt	0	20850	2510	1	Mid	0.09	0.722	20.48	21.00	1.127	0.814	/
	DSI1		Right Tilt	0	21350	2560	1	Low	0.13	0.698	20.48	21.00	1.127	0.787	/
	DSI1		Right Tilt	0	21100	2535	50	Mid	-0.04	0.721	20.74	21.00	1.062	0.766	/
	DSI1		Right Tilt	0	21350	2560	50	Mid	-0.05	0.715	20.65	21.00	1.084	0.775	/
	DSI1		Right Tilt	0	20850	2510	100	Low	-0.05	0.692	20.82	21.00	1.042	0.721	/
Ant.3	DSI1	QPSK	Left Cheek	0	20850	2510	1	Mid	0.08	0.201	24.42	25.50	1.282	0.258	/
	DSI1		Left Tilt	0	20850	2510	1	Mid	0.04	0.081	24.42	25.50	1.282	0.104	/
	DSI1		Right Cheek	0	20850	2510	1	Mid	0.03	0.336	24.42	25.50	1.282	0.431	/
	DSI1		Right Tilt	0	20850	2510	1	Mid	0.13	0.248	24.42	25.50	1.282	0.318	/
	DSI1		Left Cheek	0	21100	2535	50	Low	0.12	0.158	23.46	24.50	1.271	0.201	/
	DSI1		Left Tilt	0	21100	2535	50	Low	0.01	0.063	23.46	24.50	1.271	0.080	/
	DSI1		Right Cheek	0	21100	2535	50	Low	0.07	0.265	23.46	24.50	1.271	0.337	/
	DSI1		Right Tilt	0	21100	2535	50	Low	0.10	0.196	23.46	24.50	1.271	0.249	/
Ant.1	DSI1	QPSK	Left Cheek	0	21100	2535	1	High	0.17	0.148	23.86	25.00	1.300	0.192	/
	DSI1		Left Tilt	0	21100	2535	1	High	0.00	0.074	23.86	25.00	1.300	0.096	/
	DSI1		Right Cheek	0	21100	2535	1	High	0.16	0.125	23.86	25.00	1.300	0.163	/
	DSI1		Right Tilt	0	21100	2535	1	High	0.07	0.062	23.86	25.00	1.300	0.081	/
	DSI1		Left Cheek	0	21100	2535	50	Mid	-0.13	0.124	22.99	24.00	1.262	0.156	/
	DSI1		Left Tilt	0	21100	2535	50	Mid	0.09	0.066	22.99	24.00	1.262	0.083	/
	DSI1		Right Cheek	0	21100	2535	50	Mid	-0.15	0.111	22.99	24.00	1.262	0.140	/
	DSI1		Right Tilt	0	21100	2535	50	Mid	-0.06	0.052	22.99	24.00	1.262	0.066	/
Head-CA															
Ant.4	DSI1	QPSK	Right Tilt	0	21100 +21298	2535 +2554.8	1+1	High +Low	0.03	0.576	19.45	21.00	1.429	0.823	/
Body-worn															
Ant.4	DSI4	QPSK	Front Side	15	21100	2535	1	Mid	-0.04	0.149	22.01	23.50	1.409	0.210	/
	DSI3		Back Side	15	21350	2560	1	High	0.01	0.178	19.77	20.00	1.054	0.188	/

	DSI4		Front Side	15	21100	2535	50	Mid	-0.08	0.128	21.13	22.50	1.371	0.175	/
	DSI3		Back Side	15	21350	2560	50	Low	-0.04	0.186	19.80	20.00	1.047	0.195	/
Ant.3	DSI4	QPSK	Front Side	15	20850	2510	1	Mid	0.13	0.085	24.42	25.50	1.282	0.109	/
	DSI3		Back Side	15	20850	2510	1	Mid	-0.02	0.246	22.42	23.50	1.282	0.315	/
	DSI4		Front Side	15	21100	2535	50	Low	0.00	0.069	23.46	24.50	1.271	0.088	/
	DSI3		Back Side	15	21350	2560	50	Mid	-0.06	0.243	22.50	23.50	1.259	0.306	/
Ant.1	DSI4	QPSK	Front Side	15	21100	2535	1	High	-0.17	0.345	23.86	25.00	1.300	0.449	/
	DSI2		Back Side	15	21100	2535	1	Mid	0.02	0.477	19.88	21.00	1.294	**0.617**	31#
	DSI4		Front Side	15	21100	2535	50	Mid	0.05	0.325	22.99	24.00	1.262	0.410	/
	DSI2		Back Side	15	21100	2535	50	High	-0.09	0.456	20.04	21.00	1.247	0.569	/
Body-worn-CA															
Ant.1	DSI3	QPSK	Back Side	15	21100 +2129 8	2535 +2554.8	1+1	High +Low	-0.03	0.450	19.81	21.00	1.315	0.592	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	21100	2535	1	High	0.18	0.152	20.65	21.00	1.084	0.165	/
	DSI5		Back Side	10	21100	2535	1	High	-0.18	0.245	20.65	21.00	1.084	0.266	/
	DSI5		Left Edge	10	21100	2535	1	High	-0.11	0.122	20.65	21.00	1.084	0.132	/
	DSI5		Top Edge	10	21100	2535	1	High	0.16	0.439	20.65	21.00	1.084	0.476	/
	DSI5		Front Side	10	20850	2510	50	Mid	0.09	0.209	20.82	21.00	1.042	0.218	/
	DSI5		Back Side	10	20850	2510	50	Mid	0.16	0.303	20.82	21.00	1.042	0.316	/
	DSI5		Left Edge	10	20850	2510	50	Mid	0.10	0.145	20.82	21.00	1.042	0.151	/
	DSI5		Top Edge	10	20850	2510	50	Mid	0.02	0.581	20.82	21.00	1.042	**0.605**	32#
Ant.3	DSI5	QPSK	Front Side	10	20850	2510	1	Mid	0.08	0.124	22.42	23.50	1.282	0.159	/
	DSI5		Back Side	10	20850	2510	1	Mid	0.08	0.459	22.42	23.50	1.282	0.588	/
	DSI5		Left Edge	10	20850	2510	1	Mid	0.08	0.286	22.42	23.50	1.282	0.367	/
	DSI5		Front Side	10	21350	2560	50	Mid	0.00	0.119	22.50	23.50	1.259	0.150	/
	DSI5		Back Side	10	21350	2560	50	Mid	-0.02	0.473	22.50	23.50	1.259	0.596	/
	DSI5		Left Edge	10	21350	2560	50	Mid	0.01	0.281	22.50	23.50	1.259	0.354	/
Ant.1	DSI5	QPSK	Front Side	10	21100	2535	1	High	0.13	0.158	19.38	20.00	1.153	0.182	/
	DSI5		Back Side	10	21100	2535	1	High	0.05	0.218	19.38	20.00	1.153	0.251	/
	DSI5		Left Edge	10	21100	2535	1	High	-0.05	0.021	19.38	20.00	1.153	0.024	/
	DSI5		Right Edge	10	21100	2535	1	High	-0.14	0.032	19.38	20.00	1.153	0.037	/
	DSI5		Bottom Edge	10	21100	2535	1	High	-0.02	0.419	19.38	20.00	1.153	0.483	/
	DSI5		Front Side	10	21100	2535	50	High	-0.12	0.166	19.50	20.00	1.122	0.186	/
	DSI5		Back Side	10	21100	2535	50	High	0.02	0.226	19.50	20.00	1.122	0.254	/
	DSI5		Left Edge	10	21100	2535	50	High	-0.18	0.022	19.50	20.00	1.122	0.025	/
	DSI5		Right Edge	10	21100	2535	50	High	-0.12	0.034	19.50	20.00	1.122	0.038	/
	DSI5		Bottom Edge	10	21100	2535	50	High	-0.04	0.423	19.50	20.00	1.122	0.475	/
Hotspot-CA															
Ant.4	DSI5	QPSK	Top Edge	10	20850 +2104 8	2510 +2529.8	1+1	High +Low	0.11	0.405	19.39	21.00	1.449	0.587	/

Body(Sensor-1)															
Ant.4	DSI4	QPSK	Front Side	9	21100	2535	1	Mid	-0.12	0.233	22.01	23.50	1.409	0.328	/
	DSI4		Back Side	16	21100	2535	1	Mid	-0.02	0.322	22.01	23.50	1.409	0.454	/
	DSI4		Left Edge	7	21100	2535	1	Mid	0.10	0.511	22.01	23.50	1.409	0.720	/
	DSI4		Top Edge	16	21100	2535	1	Mid	-0.03	0.503	22.01	23.50	1.409	0.709	/
	DSI4		Front Side	9	21100	2535	50	Mid	0.13	0.186	21.13	22.50	1.371	0.255	/
	DSI4		Back Side	16	21100	2535	50	Mid	0.13	0.265	21.13	22.50	1.371	0.363	/
	DSI4		Left Edge	7	21100	2535	50	Mid	0.06	0.403	21.13	22.50	1.371	0.553	/
	DSI4		Top Edge	16	21100	2535	50	Mid	0.07	0.396	21.13	22.50	1.371	0.543	/
Ant.3	DSI4	QPSK	Front Side	9	20850	2510	1	Mid	-0.09	0.173	24.42	25.50	1.282	0.222	/
	DSI4		Back Side	16	20850	2510	1	Mid	-0.07	0.120	24.42	25.50	1.282	0.154	/
	DSI4		Left Edge	7	20850	2510	1	Mid	-0.08	0.270	24.42	25.50	1.282	0.346	/
	DSI4		Top Edge	16	20850	2510	1	Mid	0.06	0.043	24.42	25.50	1.282	0.055	/
	DSI4		Front Side	9	21100	2535	50	Low	-0.01	0.139	23.46	24.50	1.271	0.177	/
	DSI4		Back Side	16	21100	2535	50	Low	-0.02	0.093	23.46	24.50	1.271	0.118	/
	DSI4		Left Edge	7	21100	2535	50	Low	-0.09	0.214	23.46	24.50	1.271	0.272	/
	DSI4		Top Edge	16	21100	2535	50	Low	-0.06	0.032	23.46	24.50	1.271	0.041	/
Ant.1	DSI4	QPSK	Front Side	9	21100	2535	1	High	0.09	0.393	23.86	25.00	1.300	0.511	/
	DSI4		Back Side	16	21100	2535	1	High	0.04	0.336	23.86	25.00	1.300	0.437	/
	DSI4		Bottom Edge	16	21100	2535	1	High	0.06	0.499	23.86	25.00	1.300	0.649	/
	DSI4		Front Side	9	21100	2535	50	Mid	0.10	0.375	22.99	24.00	1.262	0.473	/
	DSI4		Back Side	16	21100	2535	50	Mid	-0.10	0.332	22.99	24.00	1.262	0.419	/
	DSI4		Bottom Edge	16	21100	2535	50	Mid	0.11	0.428	22.99	24.00	1.262	0.540	/

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.4	DSI3	QPSK	Top Edge	0	21350	2560	1	High	-0.03	1.890	19.77	20.00	1.054	**1.992**	33#
	DSI3		Top Edge	0	21350	2560	50	Low	0.02	1.850	19.80	20.00	1.047	1.937	/
Ant.1	DSI2	QPSK	Bottom Edge	0	21100	2535	1	Mid	0.03	1.120	19.88	21.00	1.294	1.449	/
	DSI2		Bottom Edge	0	21100	2535	50	High	0.06	1.090	20.04	21.00	1.247	1.359	/
Specific-CA															
Ant.4	DSI3	QPSK	Top Edge	0	21350 +21152	2560 +2540.2	1+1	Low +High	0.06	1.620	19.19	20.00	1.205	1.952	/

11.10 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.4	DSI1	QPSK	Left Cheek	0	23130	711	1	Low	0.14	0.812	23.82	24.50	1.169	0.949	/
	DSI1		Left Tilt	0	23130	711	1	Low	0.13	0.768	23.82	24.50	1.169	0.898	/
	DSI1		Right Cheek	0	23130	711	1	Low	0.00	0.912	23.82	24.50	1.169	**1.066**	34#
	DSI1		Right Tilt	0	23130	711	1	Low	-0.14	0.868	23.82	24.50	1.169	1.015	/
	DSI1		Left Cheek	0	23130	711	25	Mid	-0.03	0.644	23.22	24.50	1.343	0.865	/
	DSI1		Left Tilt	0	23130	711	25	Mid	0.18	0.610	23.22	24.50	1.343	0.819	/
	DSI1		Right Cheek	0	23130	711	25	Mid	0.08	0.786	23.22	24.50	1.343	1.056	/
	DSI1		Right Tilt	0	23130	711	25	Mid	-0.07	0.696	23.22	24.50	1.343	0.935	/
	DSI1		Left Cheek	0	23060	704	1	Low	0.01	0.630	23.61	24.50	1.227	0.773	/
	DSI1		Left Cheek	0	23095	707.5	1	Low	0.12	0.638	23.55	24.50	1.245	0.794	/
	DSI1		Left Cheek	0	23060	704	25	Mid	-0.07	0.658	23.17	24.50	1.358	0.894	/
	DSI1		Left Cheek	0	23095	707.5	25	Low	-0.06	0.648	23.15	24.50	1.365	0.885	/
	DSI1		Left Cheek	0	23130	711	50	Low	0.04	0.675	23.26	24.50	1.330	0.898	/
	DSI1		Left Tilt	0	23060	704	1	Low	-0.10	0.605	23.61	24.50	1.227	0.742	/
	DSI1		Left Tilt	0	23095	707.5	1	Low	0.07	0.613	23.55	24.50	1.245	0.763	/
	DSI1		Left Tilt	0	23060	704	25	Mid	0.07	0.638	23.17	24.50	1.358	0.866	/
	DSI1		Left Tilt	0	23095	707.5	25	Low	0.09	0.621	23.15	24.50	1.365	0.848	/
	DSI1		Left Tilt	0	23130	711	50	Low	-0.05	0.650	23.26	24.50	1.330	0.865	/
	DSI1		Right Cheek	0	23060	704	1	Low	-0.18	0.743	23.61	24.50	1.227	0.912	/
	DSI1		Right Cheek	0	23095	707.5	1	Low	-0.10	0.753	23.55	24.50	1.245	0.937	/
	DSI1		Right Cheek	0	23060	704	25	Mid	0.16	0.784	23.17	24.50	1.358	1.065	/
	DSI1		Right Cheek	0	23095	707.5	25	Low	-0.01	0.766	23.15	24.50	1.365	1.046	/
	DSI1		Right Cheek	0	23130	711	50	Low	-0.07	0.801	23.26	24.50	1.330	1.065	/
	DSI1		Right Tilt	0	23060	704	1	Low	-0.01	0.682	23.61	24.50	1.227	0.837	/
	DSI1		Right Tilt	0	23095	707.5	1	Low	-0.07	0.686	23.55	24.50	1.245	0.854	/
	DSI1		Right Tilt	0	23060	704	25	Mid	-0.09	0.715	23.17	24.50	1.358	0.971	/
	DSI1		Right Tilt	0	23095	707.5	25	Low	0.12	0.708	23.15	24.50	1.365	0.966	/
	DSI1		Right Tilt	0	23130	711	50	Low	-0.06	0.730	23.26	24.50	1.330	0.971	/
Ant.1	DSI1	QPSK	Left Cheek	0	23130	711	1	Low	-0.13	0.179	24.36	25.50	1.300	0.233	/
	DSI1		Left Tilt	0	23130	711	1	Low	0.17	0.088	24.36	25.50	1.300	0.114	/
	DSI1		Right Cheek	0	23130	711	1	Low	0.00	0.154	24.36	25.50	1.300	0.200	/
	DSI1		Right Tilt	0	23130	711	1	Low	-0.13	0.075	24.36	25.50	1.300	0.098	/
	DSI1		Left Cheek	0	23130	711	25	High	-0.05	0.154	23.41	24.50	1.285	0.198	/
	DSI1		Left Tilt	0	23130	711	25	High	0.09	0.073	23.41	24.50	1.285	0.094	/
	DSI1		Right Cheek	0	23130	711	25	High	-0.13	0.123	23.41	24.50	1.285	0.158	/
	DSI1		Right Tilt	0	23130	711	25	High	0.06	0.058	23.41	24.50	1.285	0.075	/

Body-worn															
Ant.4	DSI4	QPSK	Front Side	15	23130	711	1	Low	0.18	0.152	24.21	25.50	1.346	0.205	/
	DSI3		Back Side	15	23130	711	1	Low	-0.10	0.191	24.21	25.50	1.346	0.257	/
	DSI4		Front Side	15	23130	711	25	Mid	0.15	0.125	23.22	24.50	1.343	0.168	/
	DSI3		Back Side	15	23130	711	25	Mid	0.16	0.148	23.22	24.50	1.343	0.199	/
Ant.1	DSI4	QPSK	Front Side	15	23130	711	1	Low	-0.11	0.219	24.36	25.50	1.300	0.285	/
	DSI2		Back Side	15	23130	711	1	Low	-0.05	0.319	24.36	25.50	1.300	**0.415**	35#
	DSI4		Front Side	15	23130	711	25	Low	-0.03	0.156	23.41	24.50	1.285	0.200	/
	DSI2		Back Side	15	23130	711	25	Low	-0.11	0.226	23.41	24.50	1.285	0.290	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	23130	711	1	Low	0.14	0.154	23.82	24.50	1.169	0.180	/
	DSI5		Back Side	10	23130	711	1	Low	0.01	0.264	23.82	24.50	1.169	**0.309**	36#
	DSI5		Left Edge	10	23130	711	1	Low	-0.08	0.144	23.82	24.50	1.169	0.168	/
	DSI5		Top Edge	10	23130	711	1	Low	-0.03	0.209	23.82	24.50	1.169	0.244	/
	DSI5		Front Side	10	23130	711	25	Mid	0.14	0.126	23.22	24.50	1.343	0.169	/
	DSI5		Back Side	10	23130	711	25	Mid	-0.06	0.214	23.22	24.50	1.343	0.287	/
	DSI5		Left Edge	10	23130	711	25	Mid	0.18	0.120	23.22	24.50	1.343	0.161	/
	DSI5		Top Edge	10	23130	711	25	Mid	0.17	0.165	23.22	24.50	1.343	0.222	/
Ant.1	DSI5	QPSK	Front Side	10	23130	711	1	Low	-0.09	0.185	24.36	25.50	1.300	0.241	/
	DSI5		Back Side	10	23130	711	1	Low	0.04	0.232	24.36	25.50	1.300	0.302	/
	DSI5		Left Edge	10	23130	711	1	Low	-0.07	0.181	24.36	25.50	1.300	0.235	/
	DSI5		Right Edge	10	23130	711	1	Low	-0.15	0.209	24.36	25.50	1.300	0.272	/
	DSI5		Bottom Edge	10	23130	711	1	Low	-0.04	0.163	24.36	25.50	1.300	0.212	/
	DSI5		Front Side	10	23130	711	25	High	0.16	0.150	23.41	24.50	1.285	0.193	/
	DSI5		Back Side	10	23130	711	25	High	-0.07	0.219	23.41	24.50	1.285	0.281	/
	DSI5		Left Edge	10	23130	711	25	High	-0.18	0.141	23.41	24.50	1.285	0.181	/
	DSI5		Right Edge	10	23130	711	25	High	-0.18	0.201	23.41	24.50	1.285	0.258	/
	DSI5		Bottom Edge	10	23130	711	25	High	-0.07	0.135	23.41	24.50	1.285	0.173	/

11.11 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.4	DSI1	QPSK	Left Cheek	0	23230	782	1	Mid	-0.18	0.392	22.39	24.00	1.449	0.568	/
	DSI1		Left Tilt	0	23230	782	1	Mid	0.08	0.340	22.39	24.00	1.449	0.493	/
	DSI1		Right Cheek	0	23230	782	1	Mid	-0.02	0.643	22.39	24.00	1.449	**0.932**	37#
	DSI1		Right Tilt	0	23230	782	1	Mid	-0.04	0.551	22.39	24.00	1.449	0.798	/
	DSI1		Left Cheek	0	23230	782	25	Mid	0.03	0.382	22.42	24.00	1.439	0.550	/
	DSI1		Left Tilt	0	23230	782	25	Mid	0.03	0.339	22.42	24.00	1.439	0.488	/
	DSI1		Right Cheek	0	23230	782	25	Mid	0.00	0.634	22.42	24.00	1.439	0.912	/
	DSI1		Right Tilt	0	23230	782	25	Mid	0.10	0.549	22.42	24.00	1.439	0.790	/
	DSI1		Right Cheek	0	23230	782	50	Low	-0.04	0.628	22.45	24.00	1.429	0.897	/
Ant.1	DSI1	QPSK	Left Cheek	0	23230	782	1	Mid	-0.15	0.078	24.03	25.50	1.403	0.109	/
	DSI1		Left Tilt	0	23230	782	1	Mid	0.08	0.023	24.03	25.50	1.403	0.032	/
	DSI1		Right Cheek	0	23230	782	1	Mid	-0.11	0.064	24.03	25.50	1.403	0.090	/
	DSI1		Right Tilt	0	23230	782	1	Mid	-0.17	0.018	24.03	25.50	1.403	0.025	/
	DSI1		Left Cheek	0	23230	782	25	High	-0.14	0.062	23.05	24.50	1.396	0.087	/
	DSI1		Left Tilt	0	23230	782	25	High	-0.08	0.012	23.05	24.50	1.396	0.017	/
	DSI1		Right Cheek	0	23230	782	25	High	-0.15	0.050	23.05	24.50	1.396	0.070	/
	DSI1		Right Tilt	0	23230	782	25	High	0.18	0.010	23.05	24.50	1.396	0.014	/
Body-worn															
Ant.4	DSI4	QPSK	Front Side	15	23230	782	1	Mid	0.08	0.154	23.90	25.50	1.445	0.223	/
	DSI3		Back Side	15	23230	782	1	Mid	-0.05	0.234	23.90	25.50	1.445	**0.338**	38#
	DSI4		Front Side	15	23230	782	25	High	-0.16	0.125	22.92	24.50	1.439	0.180	/
	DSI3		Back Side	15	23230	782	25	High	0.17	0.188	22.92	24.50	1.439	0.271	/
Ant.1	DSI4	QPSK	Front Side	15	23230	782	1	Mid	-0.03	0.104	24.03	25.50	1.403	0.146	/
	DSI2		Back Side	15	23230	782	1	Mid	-0.14	0.129	24.03	25.50	1.403	0.181	/
	DSI4		Front Side	15	23230	782	25	High	0.12	0.083	23.05	24.50	1.396	0.116	/
	DSI2		Back Side	15	23230	782	25	High	-0.05	0.102	23.05	24.50	1.396	0.142	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	23230	782	1	Mid	-0.02	0.114	23.90	25.50	1.445	0.165	/
	DSI5		Back Side	10	23230	782	1	Mid	-0.02	0.181	23.90	25.50	1.445	**0.262**	39#
	DSI5		Left Edge	10	23230	782	1	Mid	-0.13	0.099	23.90	25.50	1.445	0.143	/
	DSI5		Top Edge	10	23230	782	1	Mid	0.15	0.114	23.90	25.50	1.445	0.165	/
	DSI5		Front Side	10	23230	782	25	High	-0.17	0.089	22.92	24.50	1.439	0.128	/
	DSI5		Back Side	10	23230	782	25	High	-0.02	0.144	22.92	24.50	1.439	0.207	/
	DSI5		Left Edge	10	23230	782	25	High	0.11	0.071	22.92	24.50	1.439	0.102	/
	DSI5		Top Edge	10	23230	782	25	High	0.01	0.088	22.92	24.50	1.439	0.127	/
Ant.1	DSI5	QPSK	Front Side	10	23230	782	1	Mid	-0.07	0.104	24.03	25.50	1.403	0.146	/

	DSI5		Back Side	10	23230	782	1	Mid	0.16	0.184	24.03	25.50	1.403	0.258	/
	DSI5		Left Edge	10	23230	782	1	Mid	0.10	0.090	24.03	25.50	1.403	0.126	/
	DSI5		Right Edge	10	23230	782	1	Mid	-0.10	0.155	24.03	25.50	1.403	0.217	/
	DSI5		Bottom Edge	10	23230	782	1	Mid	0.06	0.161	24.03	25.50	1.403	0.226	/
	DSI5		Front Side	10	23230	782	25	High	-0.15	0.081	23.05	24.50	1.396	0.113	/
	DSI5		Back Side	10	23230	782	25	High	-0.04	0.155	23.05	24.50	1.396	0.216	/
	DSI5		Left Edge	10	23230	782	25	High	0.14	0.072	23.05	24.50	1.396	0.101	/
	DSI5		Right Edge	10	23230	782	25	High	-0.06	0.122	23.05	24.50	1.396	0.170	/
	DSI5		Bottom Edge	10	23230	782	25	High	0.11	0.125	23.05	24.50	1.396	0.175	/

11.12 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.4	DSI1	QPSK	Left Cheek	0	23790	710	1	Mid	-0.01	0.635	23.06	24.50	1.393	0.885	/
	DSI1		Left Tilt	0	23790	710	1	Mid	0.03	0.601	23.06	24.50	1.393	0.837	/
	DSI1		Right Cheek	0	23790	710	1	Mid	0.01	0.700	23.06	24.50	1.393	**0.975**	40#
	DSI1		Right Tilt	0	23790	710	1	Mid	0.03	0.646	23.06	24.50	1.393	0.900	/
	DSI1		Left Cheek	0	23790	710	25	Mid	0.14	0.629	23.24	24.50	1.337	0.841	/
	DSI1		Left Tilt	0	23790	710	25	Mid	-0.06	0.603	23.24	24.50	1.337	0.806	/
	DSI1		Right Cheek	0	23790	710	25	Mid	-0.15	0.708	23.24	24.50	1.337	0.947	/
	DSI1		Right Tilt	0	23790	710	25	Mid	-0.09	0.660	23.24	24.50	1.337	0.882	/
	DSI1		Left Cheek	0	23780	709	1	Mid	-0.02	0.595	22.99	24.50	1.416	0.843	/
	DSI1		Left Cheek	0	23800	711	1	Mid	0.07	0.605	23.01	24.50	1.409	0.852	/
	DSI1		Left Cheek	0	23780	709	25	Low	-0.07	0.628	23.17	24.50	1.358	0.853	/
	DSI1		Left Cheek	0	23800	711	25	Low	0.10	0.621	23.20	24.50	1.349	0.838	/
	DSI1		Left Cheek	0	23790	710	50	Low	-0.02	0.610	23.15	24.50	1.365	0.833	/
	DSI1		Left Tilt	0	23780	709	1	Mid	0.11	0.563	22.99	24.50	1.416	0.797	/
	DSI1		Left Tilt	0	23800	711	1	Mid	0.02	0.567	23.01	24.50	1.409	0.799	/
	DSI1		Left Tilt	0	23780	709	25	Low	-0.12	0.592	23.17	24.50	1.358	0.804	/
	DSI1		Left Tilt	0	23800	711	25	Low	-0.06	0.587	23.20	24.50	1.349	0.792	/
	DSI1		Left Tilt	0	23790	710	50	Low	0.01	0.570	23.15	24.50	1.365	0.778	/
	DSI1		Right Cheek	0	23780	709	1	Mid	-0.03	0.667	22.99	24.50	1.416	0.944	/
	DSI1		Right Cheek	0	23800	711	1	Mid	-0.18	0.677	23.01	24.50	1.409	0.954	/
	DSI1		Right Cheek	0	23780	709	25	Low	0.17	0.702	23.17	24.50	1.358	0.953	/
	DSI1		Right Cheek	0	23800	711	25	Low	0.12	0.696	23.20	24.50	1.349	0.939	/
	DSI1		Right Cheek	0	23790	710	50	Low	0.07	0.684	23.15	24.50	1.365	0.934	/
	DSI1		Right Tilt	0	23780	709	1	Mid	0.03	0.603	22.99	24.50	1.416	0.854	/
	DSI1		Right Tilt	0	23800	711	1	Mid	-0.11	0.608	23.01	24.50	1.409	0.857	/
	DSI1		Right Tilt	0	23780	709	25	Low	-0.06	0.624	23.17	24.50	1.358	0.847	/
	DSI1		Right Tilt	0	23800	711	25	Low	0.01	0.621	23.20	24.50	1.349	0.838	/
	DSI1		Right Tilt	0	23790	710	50	Low	-0.05	0.616	23.15	24.50	1.365	0.841	/
Ant.1	DSI1	QPSK	Left Cheek	0	23790	710	1	Mid	0.05	0.183	24.31	25.50	1.315	0.241	/
	DSI1		Left Tilt	0	23790	710	1	Mid	-0.02	0.088	24.31	25.50	1.315	0.116	/
	DSI1		Right Cheek	0	23790	710	1	Mid	-0.09	0.152	24.31	25.50	1.315	0.200	/
	DSI1		Right Tilt	0	23790	710	1	Mid	-0.17	0.072	24.31	25.50	1.315	0.095	/
	DSI1		Left Cheek	0	23790	710	25	Mid	-0.12	0.154	23.45	24.50	1.274	0.196	/
	DSI1		Left Tilt	0	23790	710	25	Mid	-0.18	0.074	23.45	24.50	1.274	0.094	/
	DSI1		Right Cheek	0	23790	710	25	Mid	0.18	0.135	23.45	24.50	1.274	0.172	/
	DSI1		Right Tilt	0	23790	710	25	Mid	-0.15	0.058	23.45	24.50	1.274	0.074	/

Body-worn															
Ant.4	DSI4	QPSK	Front Side	15	23790	710	1	Mid	-0.06	0.148	24.11	25.50	1.377	0.204	/
	DSI3		Back Side	15	23790	710	1	Mid	-0.05	0.190	24.11	25.50	1.377	0.262	/
	DSI4		Front Side	15	23790	710	25	Mid	-0.17	0.132	23.24	24.50	1.337	0.176	/
	DSI3		Back Side	15	23790	710	25	Mid	-0.04	0.168	23.24	24.50	1.337	0.225	/
Ant.1	DSI4	QPSK	Front Side	15	23790	710	1	Mid	0.12	0.221	24.31	25.50	1.315	0.291	/
	DSI2		Back Side	15	23790	710	1	Mid	-0.07	0.303	24.31	25.50	1.315	**0.398**	41#
	DSI4		Front Side	15	23790	710	25	Mid	0.09	0.162	23.45	24.50	1.274	0.206	/
	DSI2		Back Side	15	23790	710	25	Mid	-0.18	0.235	23.45	24.50	1.274	0.299	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	23790	710	1	Mid	0.13	0.172	23.06	24.50	1.393	0.240	/
	DSI5		Back Side	10	23790	710	1	Mid	-0.03	0.269	23.06	24.50	1.393	**0.375**	42#
	DSI5		Left Edge	10	23790	710	1	Mid	-0.09	0.164	23.06	24.50	1.393	0.228	/
	DSI5		Top Edge	10	23790	710	1	Mid	0.01	0.192	23.06	24.50	1.393	0.267	/
	DSI5		Front Side	10	23790	710	25	Mid	0.01	0.178	23.24	24.50	1.337	0.238	/
	DSI5		Back Side	10	23790	710	25	Mid	0.11	0.263	23.24	24.50	1.337	0.352	/
	DSI5		Left Edge	10	23790	710	25	Mid	-0.09	0.165	23.24	24.50	1.337	0.221	/
	DSI5		Top Edge	10	23790	710	25	Mid	-0.03	0.195	23.24	24.50	1.337	0.261	/
Ant.1	DSI5	QPSK	Front Side	10	23790	710	1	Mid	0.15	0.180	24.31	25.50	1.315	0.237	/
	DSI5		Back Side	10	23790	710	1	Mid	-0.16	0.256	24.31	25.50	1.315	0.337	/
	DSI5		Left Edge	10	23790	710	1	Mid	0.17	0.182	24.31	25.50	1.315	0.239	/
	DSI5		Right Edge	10	23790	710	1	Mid	0.15	0.247	24.31	25.50	1.315	0.325	/
	DSI5		Bottom Edge	10	23790	710	1	Mid	0.17	0.157	24.31	25.50	1.315	0.206	/
	DSI5		Front Side	10	23790	710	25	Mid	-0.06	0.151	23.45	24.50	1.274	0.192	/
	DSI5		Back Side	10	23790	710	25	Mid	0.05	0.211	23.45	24.50	1.274	0.269	/
	DSI5		Left Edge	10	23790	710	25	Mid	-0.13	0.147	23.45	24.50	1.274	0.187	/
	DSI5		Right Edge	10	23790	710	25	Mid	0.04	0.202	23.45	24.50	1.274	0.257	/
	DSI5		Bottom Edge	10	23790	710	25	Mid	-0.13	0.135	23.45	24.50	1.274	0.172	/

11.13 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.4	DSI1	QPSK	Left Cheek	0	23925	822.5	1	High	0.14	0.645	21.17	22.00	1.211	0.781	/
	DSI1		Left Tilt	0	23925	822.5	1	High	0.14	0.606	21.17	22.00	1.211	0.734	/
	DSI1		Right Cheek	0	23925	822.5	1	High	0.03	0.781	21.17	22.00	1.211	**0.946**	43#
	DSI1		Right Tilt	0	23925	822.5	1	High	0.17	0.701	21.17	22.00	1.211	0.849	/
	DSI1		Left Cheek	0	23925	822.5	36	High	0.15	0.592	21.02	22.00	1.253	0.742	/
	DSI1		Left Tilt	0	23925	822.5	36	High	0.11	0.547	21.02	22.00	1.253	0.685	/
	DSI1		Right Cheek	0	23925	822.5	36	High	0.12	0.678	21.02	22.00	1.253	0.850	/
	DSI1		Right Tilt	0	23925	822.5	36	High	0.12	0.619	21.02	22.00	1.253	0.776	/
	DSI1		Right Cheek	0	23925	822.5	75	Low	0.10	0.614	21.01	22.00	1.256	0.771	/
	DSI1		Right Tilt	0	23925	822.5	75	Low	0.03	0.586	21.01	22.00	1.256	0.736	/
Ant.1	DSI1	QPSK	Left Cheek	0	23925	822.5	1	High	-0.17	0.137	23.98	25.50	1.419	0.194	/
	DSI1		Left Tilt	0	23925	822.5	1	High	-0.16	0.067	23.98	25.50	1.419	0.095	/
	DSI1		Right Cheek	0	23925	822.5	1	High	-0.18	0.111	23.98	25.50	1.419	0.158	/
	DSI1		Right Tilt	0	23925	822.5	1	High	-0.06	0.052	23.98	25.50	1.419	0.074	/
	DSI1		Left Cheek	0	23925	822.5	36	High	0.14	0.110	23.08	24.50	1.387	0.153	/
	DSI1		Left Tilt	0	23925	822.5	36	High	-0.02	0.060	23.08	24.50	1.387	0.083	/
	DSI1		Right Cheek	0	23925	822.5	36	High	0.02	0.092	23.08	24.50	1.387	0.128	/
	DSI1		Right Tilt	0	23925	822.5	36	High	-0.11	0.035	23.08	24.50	1.387	0.049	/
Body-worn															
Ant.4	DSI4	QPSK	Front Side	15	23925	822.5	1	High	-0.09	0.092	24.38	25.50	1.294	0.119	/
	DSI3		Back Side	15	23925	822.5	1	High	0.01	0.120	24.38	25.50	1.294	0.155	/
	DSI4		Front Side	15	23925	822.5	36	High	0.08	0.098	23.40	24.50	1.288	0.126	/
	DSI3		Back Side	15	23925	822.5	36	High	-0.11	0.112	23.40	24.50	1.288	0.144	/
Ant.1	DSI4	QPSK	Front Side	15	23925	822.5	1	High	-0.07	0.102	23.98	25.50	1.419	0.145	/
	DSI2		Back Side	15	23925	822.5	1	High	-0.04	0.144	23.98	25.50	1.419	**0.204**	44#
	DSI4		Front Side	15	23925	822.5	36	High	-0.04	0.090	23.08	24.50	1.387	0.125	/
	DSI2		Back Side	15	23925	822.5	36	High	0.05	0.101	23.08	24.50	1.387	0.140	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	23925	822.5	1	High	0.00	0.164	21.17	22.00	1.211	0.199	/
	DSI5		Back Side	10	23925	822.5	1	High	-0.01	0.266	21.17	22.00	1.211	**0.322**	45#
	DSI5		Left Edge	10	23925	822.5	1	High	-0.14	0.084	21.17	22.00	1.211	0.102	/
	DSI5		Top Edge	10	23925	822.5	1	High	-0.01	0.236	21.17	22.00	1.211	0.286	/
	DSI5		Front Side	10	23925	822.5	36	High	-0.16	0.163	21.02	22.00	1.253	0.204	/
	DSI5		Back Side	10	23925	822.5	36	High	0.17	0.256	21.02	22.00	1.253	0.321	/
	DSI5		Left Edge	10	23925	822.5	36	High	-0.18	0.081	21.02	22.00	1.253	0.101	/
	DSI5		Top Edge	10	23925	822.5	36	High	-0.18	0.235	21.02	22.00	1.253	0.294	/

Ant.1	DSI5	QPSK	Front Side	10	23925	822.5	1	High	-0.12	0.148	23.98	25.50	1.419	0.210	/
	DSI5		Back Side	10	23925	822.5	1	High	-0.16	0.224	23.98	25.50	1.419	0.318	/
	DSI5		Left Edge	10	23925	822.5	1	High	-0.17	0.091	23.98	25.50	1.419	0.129	/
	DSI5		Right Edge	10	23925	822.5	1	High	-0.12	0.123	23.98	25.50	1.419	0.175	/
	DSI5		Bottom Edge	10	23925	822.5	1	High	-0.03	0.168	23.98	25.50	1.419	0.238	/
	DSI5		Front Side	10	23925	822.5	36	High	-0.06	0.128	23.08	24.50	1.387	0.178	/
	DSI5		Back Side	10	23925	822.5	36	High	-0.11	0.202	23.08	24.50	1.387	0.280	/
	DSI5		Left Edge	10	23925	822.5	36	High	0.04	0.073	23.08	24.50	1.387	0.101	/
	DSI5		Right Edge	10	23925	822.5	36	High	-0.12	0.098	23.08	24.50	1.387	0.136	/
	DSI5		Bottom Edge	10	23925	822.5	36	High	0.00	0.146	23.08	24.50	1.387	0.203	/

11.14 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.4	DSI1	QPSK	Left Cheek	0	24075	837.5	1	High	-0.01	0.706	21.50	22.00	1.122	0.792	/
	DSI1		Left Tilt	0	24075	837.5	1	High	0.04	0.643	21.50	22.00	1.122	0.721	/
	DSI1		Right Cheek	0	24075	837.5	1	High	0.01	0.948	21.50	22.00	1.122	**1.064**	46#
	DSI1		Right Tilt	0	24075	837.5	1	High	-0.16	0.814	21.50	22.00	1.122	0.913	/
	DSI1		Left Cheek	0	24075	837.5	36	High	0.12	0.687	21.41	22.00	1.146	0.787	/
	DSI1		Left Tilt	0	24075	837.5	36	High	0.01	0.634	21.41	22.00	1.146	0.727	/
	DSI1		Right Cheek	0	24075	837.5	36	High	-0.07	0.923	21.41	22.00	1.146	1.058	/
	DSI1		Right Tilt	0	24075	837.5	36	High	0.17	0.782	21.41	22.00	1.146	0.896	/
	DSI1		Right Cheek	0	24075	837.5	75	Low	0.10	0.819	21.17	22.00	1.211	0.992	/
	DSI1		Right Tilt	0	24075	837.5	75	Low	0.03	0.763	21.17	22.00	1.211	0.924	/
Ant.1	DSI1	QPSK	Left Cheek	0	24075	837.5	1	High	0.14	0.138	23.95	25.50	1.429	0.197	/
	DSI1		Left Tilt	0	24075	837.5	1	High	-0.16	0.061	23.95	25.50	1.429	0.087	/
	DSI1		Right Cheek	0	24075	837.5	1	High	-0.05	0.102	23.95	25.50	1.429	0.146	/
	DSI1		Right Tilt	0	24075	837.5	1	High	-0.09	0.045	23.95	25.50	1.429	0.064	/
	DSI1		Left Cheek	0	24075	837.5	36	High	-0.10	0.114	23.07	24.50	1.390	0.158	/
	DSI1		Left Tilt	0	24075	837.5	36	High	-0.18	0.049	23.07	24.50	1.390	0.068	/
	DSI1		Right Cheek	0	24075	837.5	36	High	-0.18	0.089	23.07	24.50	1.390	0.124	/
	DSI1		Right Tilt	0	24075	837.5	36	High	0.14	0.031	23.07	24.50	1.390	0.043	/
Body-worn															
Ant.4	DSI4	QPSK	Front Side	15	24075	837.5	1	High	-0.10	0.135	24.41	25.50	1.285	0.173	/
	DSI3		Back Side	15	24075	837.5	1	High	0.00	0.181	24.41	25.50	1.285	**0.233**	47#
	DSI4		Front Side	15	24075	837.5	36	High	-0.16	0.123	23.51	24.50	1.256	0.154	/
	DSI3		Back Side	15	24075	837.5	36	High	-0.15	0.172	23.51	24.50	1.256	0.216	/
Ant.1	DSI4	QPSK	Front Side	15	24075	837.5	1	High	0.01	0.112	23.95	25.50	1.429	0.160	/
	DSI2		Back Side	15	24075	837.5	1	High	-0.14	0.161	23.95	25.50	1.429	0.230	/
	DSI4		Front Side	15	24075	837.5	36	High	0.16	0.102	23.07	24.50	1.390	0.142	/
	DSI2		Back Side	15	24075	837.5	36	High	-0.15	0.135	23.07	24.50	1.390	0.188	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	24075	837.5	1	High	0.07	0.230	21.50	22.00	1.122	0.258	/
	DSI5		Back Side	10	24075	837.5	1	High	-0.01	0.331	21.50	22.00	1.122	**0.371**	48#
	DSI5		Left Edge	10	24075	837.5	1	High	0.14	0.105	21.50	22.00	1.122	0.118	/
	DSI5		Top Edge	10	24075	837.5	1	High	-0.13	0.228	21.50	22.00	1.122	0.256	/
	DSI5		Front Side	10	24075	837.5	36	High	0.00	0.214	21.41	22.00	1.146	0.245	/
	DSI5		Back Side	10	24075	837.5	36	High	0.11	0.315	21.41	22.00	1.146	0.361	/
	DSI5		Left Edge	10	24075	837.5	36	High	-0.16	0.090	21.41	22.00	1.146	0.103	/
	DSI5		Top Edge	10	24075	837.5	36	High	-0.03	0.209	21.41	22.00	1.146	0.240	/

Ant.1	DSI5	QPSK	Front Side	10	24075	837.5	1	High	-0.12	0.175	23.95	25.50	1.429	0.250	/
	DSI5		Back Side	10	24075	837.5	1	High	-0.12	0.256	23.95	25.50	1.429	0.366	/
	DSI5		Left Edge	10	24075	837.5	1	High	-0.01	0.082	23.95	25.50	1.429	0.117	/
	DSI5		Right Edge	10	24075	837.5	1	High	0.05	0.124	23.95	25.50	1.429	0.177	/
	DSI5		Bottom Edge	10	24075	837.5	1	High	0.11	0.218	23.95	25.50	1.429	0.312	/
	DSI5		Front Side	10	24075	837.5	36	High	-0.12	0.147	23.07	24.50	1.390	0.204	/
	DSI5		Back Side	10	24075	837.5	36	High	0.01	0.214	23.07	24.50	1.390	0.297	/
	DSI5		Left Edge	10	24075	837.5	36	High	0.00	0.070	23.07	24.50	1.390	0.097	/
	DSI5		Right Edge	10	24075	837.5	36	High	0.11	0.104	23.07	24.50	1.390	0.145	/
	DSI5		Bottom Edge	10	24075	837.5	36	High	0.15	0.185	23.07	24.50	1.390	0.257	/

11.15 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.4	DSI1	QPSK	Left Cheek	0	26965	841.5	1	Mid	0.18	0.514	21.00	22.00	1.259	0.647	/
	DSI1		Left Tilt	0	26965	841.5	1	Mid	-0.13	0.469	21.00	22.00	1.259	0.590	/
	DSI1		Right Cheek	0	26965	841.5	1	Mid	-0.02	0.696	21.00	22.00	1.259	**0.876**	49#
	DSI1		Right Tilt	0	26965	841.5	1	Mid	0.15	0.580	21.00	22.00	1.259	0.730	/
	DSI1		Left Cheek	0	26865	831.5	36	High	0.03	0.506	21.20	22.00	1.202	0.608	/
	DSI1		Left Tilt	0	26865	831.5	36	High	0.07	0.458	21.20	22.00	1.202	0.551	/
	DSI1		Right Cheek	0	26865	831.5	36	High	-0.14	0.682	21.20	22.00	1.202	0.820	/
	DSI1		Right Tilt	0	26865	831.5	36	High	-0.05	0.573	21.20	22.00	1.202	0.689	/
	DSI1		Right Cheek	0	26765	821.5	1	Low	0.05	0.675	20.94	22.00	1.276	0.861	/
	DSI1		Right Cheek	0	26865	831.5	1	High	-0.02	0.671	20.99	22.00	1.262	0.847	/
	DSI1		Right Cheek	0	26765	821.5	36	High	0.13	0.668	21.10	22.00	1.230	0.822	/
	DSI1		Right Cheek	0	26965	841.5	36	Low	0.08	0.652	21.17	22.00	1.211	0.790	/
	DSI1		Right Cheek	0	26965	841.5	75	Low	0.01	0.670	21.24	22.00	1.191	0.798	/
Ant.1	DSI1	QPSK	Left Cheek	0	26865	831.5	1	Mid	-0.18	0.054	23.96	25.50	1.426	0.077	/
	DSI1		Left Tilt	0	26865	831.5	1	Mid	-0.08	0.026	23.96	25.50	1.426	0.037	/
	DSI1		Right Cheek	0	26865	831.5	1	Mid	-0.06	0.055	23.96	25.50	1.426	0.078	/
	DSI1		Right Tilt	0	26865	831.5	1	Mid	0.07	0.022	23.96	25.50	1.426	0.031	/
	DSI1		Left Cheek	0	26865	831.5	36	High	-0.12	0.043	23.06	24.50	1.393	0.060	/
	DSI1		Left Tilt	0	26865	831.5	36	High	0.03	0.078	23.06	24.50	1.393	0.109	/
	DSI1		Right Cheek	0	26865	831.5	36	High	0.07	0.056	23.06	24.50	1.393	0.078	/
	DSI1		Right Tilt	0	26865	831.5	36	High	-0.02	0.035	23.06	24.50	1.393	0.049	/
Body-worn															
Ant.4	DSI4	QPSK	Front Side	15	26865	831.5	1	High	-0.14	0.146	24.40	25.50	1.288	0.188	/
	DSI3		Back Side	15	26865	831.5	1	High	-0.04	0.203	24.40	25.50	1.288	**0.261**	50#
	DSI4		Front Side	15	26965	841.5	36	Mid	0.14	0.125	23.52	24.50	1.253	0.157	/
	DSI3		Back Side	15	26965	841.5	36	Mid	-0.11	0.175	23.52	24.50	1.253	0.219	/
Ant.1	DSI4	QPSK	Front Side	15	26865	831.5	1	Mid	0.06	0.138	23.96	25.50	1.426	0.197	/
	DSI2		Back Side	15	26865	831.5	1	Mid	-0.13	0.162	23.96	25.50	1.426	0.231	/
	DSI4		Front Side	15	26865	831.5	36	High	-0.18	0.113	23.06	24.50	1.393	0.157	/
	DSI2		Back Side	15	26865	831.5	36	High	0.16	0.133	23.06	24.50	1.393	0.185	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	26965	841.5	1	Mid	-0.09	0.157	21.00	22.00	1.259	0.198	/
	DSI5		Back Side	10	26965	841.5	1	Mid	0.03	0.261	21.00	22.00	1.259	0.329	/
	DSI5		Left Edge	10	26965	841.5	1	Mid	-0.13	0.069	21.00	22.00	1.259	0.087	/
	DSI5		Top Edge	10	26965	841.5	1	Mid	0.15	0.156	21.00	22.00	1.259	0.196	/
	DSI5		Front Side	10	26865	831.5	36	High	-0.06	0.167	21.20	22.00	1.202	0.201	/

	DSI5		Back Side	10	26865	831.5	36	High	0.02	0.276	21.20	22.00	1.202	**0.332**	51#
	DSI5		Left Edge	10	26865	831.5	36	High	-0.17	0.070	21.20	22.00	1.202	0.084	/
	DSI5		Top Edge	10	26865	831.5	36	High	-0.05	0.156	21.20	22.00	1.202	0.188	/
Ant.1	DSI5	QPSK	Front Side	10	26865	831.5	1	Mid	-0.08	0.137	23.96	25.50	1.426	0.195	/
	DSI5		Back Side	10	26865	831.5	1	Mid	0.06	0.227	23.96	25.50	1.426	0.324	/
	DSI5		Left Edge	10	26865	831.5	1	Mid	-0.05	0.073	23.96	25.50	1.426	0.104	/
	DSI5		Right Edge	10	26865	831.5	1	Mid	-0.18	0.102	23.96	25.50	1.426	0.145	/
	DSI5		Bottom Edge	10	26865	831.5	1	Mid	0.18	0.163	23.96	25.50	1.426	0.232	/
	DSI5		Front Side	10	26865	831.5	36	High	-0.13	0.116	23.06	24.50	1.393	0.162	/
	DSI5		Back Side	10	26865	831.5	36	High	-0.11	0.195	23.06	24.50	1.393	0.272	/
	DSI5		Left Edge	10	26865	831.5	36	High	0.17	0.060	23.06	24.50	1.393	0.084	/
	DSI5		Right Edge	10	26865	831.5	36	High	-0.05	0.085	23.06	24.50	1.393	0.118	/
	DSI5		Bottom Edge	10	26865	831.5	36	High	-0.09	0.137	23.06	24.50	1.393	0.191	/

11.16 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.4	DSI1	QPSK	Left Cheek	0	132072	1720	1	High	-0.14	0.561	15.60	16.50	1.230	0.690	/
	DSI1		Left Tilt	0	132072	1720	1	High	0.15	0.639	15.60	16.50	1.230	0.786	/
	DSI1		Right Cheek	0	132072	1720	1	High	0.12	0.837	15.60	16.50	1.230	1.030	/
	DSI1		Right Tilt	0	132072	1720	1	High	-0.01	0.870	15.60	16.50	1.230	**1.070**	52#
	DSI1		Left Cheek	0	132072	1720	50	Mid	-0.18	0.503	15.04	16.50	1.400	0.704	/
	DSI1		Left Tilt	0	132072	1720	50	Mid	0.18	0.570	15.04	16.50	1.400	0.798	/
	DSI1		Right Cheek	0	132072	1720	50	Mid	-0.09	0.751	15.04	16.50	1.400	1.051	/
	DSI1		Right Tilt	0	132072	1720	50	Mid	0.14	0.763	15.04	16.50	1.400	1.068	/
	DSI1		Right Cheek	0	132322	1745	1	High	-0.01	0.704	15.34	16.50	1.306	0.919	/
	DSI1		Right Cheek	0	132572	1770	1	High	0.03	0.700	15.36	16.50	1.300	0.910	/
	DSI1		Right Cheek	0	132322	1745	50	Mid	0.04	0.695	14.94	16.50	1.432	0.995	/
	DSI1		Right Cheek	0	132572	1770	50	High	0.11	0.702	15.03	16.50	1.403	0.985	/
	DSI1		Right Cheek	0	132072	1720	100	Low	0.06	0.692	15.06	16.50	1.393	0.964	/
	DSI1		Right Tilt	0	132322	1745	1	High	0.04	0.744	15.34	16.50	1.306	0.972	/
	DSI1		Right Tilt	0	132572	1770	1	High	-0.17	0.739	15.36	16.50	1.300	0.961	/
	DSI1		Right Tilt	0	132322	1745	50	Mid	0.15	0.746	14.94	16.50	1.432	1.068	/
	DSI1		Right Tilt	0	132572	1770	50	High	-0.14	0.749	15.03	16.50	1.403	1.051	/
	DSI1		Right Tilt	0	132072	1720	100	Low	0.07	0.726	15.06	16.50	1.393	1.011	/
Ant.3	DSI1	QPSK	Left Cheek	0	132322	1745	1	High	-0.06	0.365	24.42	25.00	1.143	0.417	/
	DSI1		Left Tilt	0	132322	1745	1	High	0.11	0.198	24.42	25.00	1.143	0.226	/
	DSI1		Right Cheek	0	132322	1745	1	High	-0.05	0.428	24.42	25.00	1.143	0.489	/
	DSI1		Right Tilt	0	132322	1745	1	High	0.02	0.362	24.42	25.00	1.143	0.414	/
	DSI1		Left Cheek	0	132072	1720	50	Mid	0.13	0.296	23.60	24.50	1.230	0.364	/
	DSI1		Left Tilt	0	132072	1720	50	Mid	0.13	0.175	23.60	24.50	1.230	0.215	/
	DSI1		Right Cheek	0	132072	1720	50	Mid	-0.08	0.368	23.60	24.50	1.230	0.453	/
	DSI1		Right Tilt	0	132072	1720	50	Mid	0.07	0.290	23.60	24.50	1.230	0.357	/
Ant.1	DSI1	QPSK	Left Cheek	0	132572	1770	1	High	-0.10	0.139	24.34	25.00	1.164	0.162	/
	DSI1		Left Tilt	0	132572	1770	1	High	-0.04	0.111	24.34	25.00	1.164	0.129	/
	DSI1		Right Cheek	0	132572	1770	1	High	0.00	0.188	24.34	25.00	1.164	0.219	/
	DSI1		Right Tilt	0	132572	1770	1	High	-0.08	0.153	24.34	25.00	1.164	0.178	/
	DSI1		Left Cheek	0	132072	1720	50	Low	-0.02	0.118	23.40	24.50	1.288	0.152	/
	DSI1		Left Tilt	0	132072	1720	50	Low	0.02	0.088	23.40	24.50	1.288	0.113	/
	DSI1		Right Cheek	0	132072	1720	50	Low	-0.15	0.176	23.40	24.50	1.288	0.227	/
	DSI1		Right Tilt	0	132072	1720	50	Low	-0.17	0.149	23.40	24.50	1.288	0.192	/
Body-worn															
Ant.4	DSI4	QPSK	Front Side	15	132072	1720	1	High	0.12	0.236	22.58	23.50	1.236	0.292	/

	DSI3		Back Side	15	132572	1770	1	High	-0.01	0.222	18.06	18.50	1.107	0.246	/
	DSI4		Front Side	15	132322	1745	50	High	-0.15	0.221	22.05	23.50	1.396	0.309	/
	DSI3		Back Side	15	132572	1770	50	Mid	-0.01	0.203	17.59	18.50	1.233	0.250	/
Ant.3	DSI4	QPSK	Front Side	15	132322	1745	1	High	0.13	0.128	24.42	25.00	1.143	0.146	/
	DSI3		Back Side	15	132322	1745	1	Mid	0.08	0.243	21.47	22.00	1.130	0.275	/
	DSI4		Front Side	15	132072	1720	50	Mid	-0.06	0.110	23.60	24.50	1.230	0.135	/
	DSI3		Back Side	15	132572	1770	50	High	0.08	0.258	21.56	22.00	1.107	0.286	/
Ant.1	DSI4	QPSK	Front Side	15	132572	1770	1	High	0.05	0.198	24.34	25.00	1.164	0.230	/
	DSI2		Back Side	15	132572	1770	1	High	-0.07	0.316	21.45	22.50	1.274	**0.403**	53#
	DSI4		Front Side	15	132072	1720	50	Low	-0.16	0.191	23.40	24.50	1.288	0.246	/
	DSI2		Back Side	15	132572	1770	50	Mid	0.12	0.308	21.50	22.50	1.259	0.388	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	132072	1720	1	High	-0.03	0.168	18.50	19.00	1.122	0.188	/
	DSI5		Back Side	10	132072	1720	1	High	0.14	0.285	18.50	19.00	1.122	0.320	/
	DSI5		Left Edge	10	132072	1720	1	High	-0.15	0.013	18.50	19.00	1.122	0.015	/
	DSI5		Top Edge	10	132072	1720	1	High	0.01	0.655	18.50	19.00	1.122	**0.735**	54#
	DSI5		Front Side	10	132072	1720	50	Mid	0.15	0.162	18.04	19.00	1.247	0.202	/
	DSI5		Back Side	10	132072	1720	50	Mid	-0.03	0.285	18.04	19.00	1.247	0.355	/
	DSI5		Left Edge	10	132072	1720	50	Mid	-0.06	0.011	18.04	19.00	1.247	0.014	/
	DSI5		Top Edge	10	132072	1720	50	Mid	-0.12	0.574	18.04	19.00	1.247	0.716	/
Ant.3	DSI5	QPSK	Front Side	10	132322	1745	1	Mid	-0.07	0.174	21.47	22.00	1.130	0.197	/
	DSI5		Back Side	10	132322	1745	1	Mid	-0.06	0.486	21.47	22.00	1.130	0.549	/
	DSI5		Left Edge	10	132322	1745	1	Mid	0.00	0.510	21.47	22.00	1.130	0.576	/
	DSI5		Front Side	10	132572	1770	50	High	0.05	0.176	21.56	22.00	1.107	0.195	/
	DSI5		Back Side	10	132572	1770	50	High	-0.08	0.483	21.56	22.00	1.107	0.535	/
	DSI5		Left Edge	10	132572	1770	50	High	0.00	0.502	21.56	22.00	1.107	0.556	/
Ant.1	DSI5	QPSK	Front Side	10	132572	1770	1	High	-0.14	0.135	20.52	21.50	1.253	0.169	/
	DSI5		Back Side	10	132572	1770	1	High	-0.15	0.230	20.52	21.50	1.253	0.288	/
	DSI5		Left Edge	10	132572	1770	1	High	-0.10	0.088	20.52	21.50	1.253	0.110	/
	DSI5		Right Edge	10	132572	1770	1	High	-0.01	0.041	20.52	21.50	1.253	0.051	/
	DSI5		Bottom Edge	10	132572	1770	1	High	-0.11	0.399	20.52	21.50	1.253	0.500	/
	DSI5		Front Side	10	132572	1770	50	High	0.11	0.145	20.55	21.50	1.245	0.181	/
	DSI5		Back Side	10	132572	1770	50	High	-0.15	0.238	20.55	21.50	1.245	0.296	/
	DSI5		Left Edge	10	132572	1770	50	High	0.18	0.086	20.55	21.50	1.245	0.107	/
	DSI5		Right Edge	10	132572	1770	50	High	0.05	0.045	20.55	21.50	1.245	0.056	/
	DSI5		Bottom Edge	10	132572	1770	50	High	0.01	0.417	20.55	21.50	1.245	0.519	/
Body(Sensor-1)															
Ant.4	DSI4	QPSK	Front Side	9	132072	1720	1	High	0.07	0.574	22.58	23.50	1.236	0.709	/
	DSI4		Back Side	16	132072	1720	1	High	-0.01	0.480	22.58	23.50	1.236	0.593	/
	DSI4		Left Edge	7	132072	1720	1	High	0.02	0.056	22.58	23.50	1.236	0.069	/
	DSI4		Top Edge	16	132072	1720	1	High	0.06	0.445	22.58	23.50	1.236	0.550	/
	DSI4		Front Side	9	132322	1745	50	High	-0.10	0.472	22.05	23.50	1.396	0.659	/
	DSI4		Back Side	16	132322	1745	50	High	0.09	0.469	22.05	23.50	1.396	0.655	/

	DSI4		Left Edge	7	132322	1745	50	High	-0.08	0.050	22.05	23.50	1.396	0.070	/
	DSI4		Top Edge	16	132322	1745	50	High	-0.01	0.512	22.05	23.50	1.396	0.715	/
Ant.3	DSI4	QPSK	Front Side	9	132322	1745	1	High	-0.08	0.248	24.42	25.00	1.143	0.283	/
	DSI4		Back Side	16	132322	1745	1	High	-0.06	0.234	24.42	25.00	1.143	0.267	/
	DSI4		Left Edge	7	132322	1745	1	High	-0.04	0.671	24.42	25.00	1.143	0.767	/
	DSI4		Top Edge	16	132322	1745	1	High	-0.04	0.074	24.42	25.00	1.143	0.085	/
	DSI4		Front Side	9	132072	1720	50	Mid	0.09	0.183	23.60	24.50	1.230	0.225	/
	DSI4		Back Side	16	132072	1720	50	Mid	-0.02	0.297	23.60	24.50	1.230	0.365	/
	DSI4		Left Edge	7	132072	1720	50	Mid	-0.02	0.611	23.60	24.50	1.230	0.752	/
	DSI4		Top Edge	16	132072	1720	50	Mid	0.10	0.059	23.60	24.50	1.230	0.073	/
Ant.1	DSI4	QPSK	Front Side	9	132572	1770	1	High	0.09	0.431	24.34	25.00	1.164	0.502	/
	DSI4		Back Side	16	132572	1770	1	High	-0.06	0.401	24.34	25.00	1.164	0.467	/
	DSI4		Bottom Edge	16	132572	1770	1	High	0.06	0.499	24.34	25.00	1.164	0.581	/
	DSI4		Front Side	9	132072	1720	50	Low	-0.01	0.359	23.40	24.50	1.288	0.462	/
	DSI4		Back Side	16	132072	1720	50	Low	0.13	0.296	23.40	24.50	1.288	0.381	/
	DSI4		Bottom Edge	16	132072	1720	50	Low	0.03	0.393	23.40	24.50	1.288	0.506	/

Antenna	Power Reduction	Mode	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	10 g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant.4	DSI3		Top Edge	0	132572	1770	1	High	-0.05	2.050	18.06	18.50	1.107	2.269	/
	DSI3		Top Edge	0	132572	1770	50	Mid	-0.10	2.020	17.59	18.50	1.233	2.491	/
	DSI3		Top Edge	0	132072	1720	1	High	-0.01	2.220	17.96	18.50	1.132	**2.513**	55#
	DSI3		Top Edge	0	132322	1745	1	High	0.08	1.990	17.94	18.50	1.138	2.265	/
	DSI3		Top Edge	0	132072	1720	50	Mid	-0.14	2.000	17.54	18.50	1.247	2.494	/
	DSI3		Top Edge	0	132572	1770	50	Mid	0.17	1.960	17.48	18.50	1.265	2.479	/
	DSI3		Top Edge	0	132572	1770	100	Low	0.10	1.910	17.58	18.50	1.236	2.361	/
Ant.1	DSI2		Bottom Edge	0	132572	1770	1	High	0.02	1.590	21.45	22.50	1.274	2.026	/
	DSI2		Bottom Edge	0	132572	1770	50	Mid	0.15	1.600	21.50	22.50	1.259	2.014	/
	DSI2		Bottom Edge	0	132072	1720	1	High	0.02	1.630	21.41	22.50	1.285	2.095	/
	DSI2		Bottom Edge	0	132322	1745	1	High	-0.10	1.550	21.32	22.50	1.312	2.034	/
	DSI2		Bottom Edge	0	132072	1720	50	Low	-0.17	1.530	21.49	22.50	1.262	1.931	/
	DSI2		Bottom Edge	0	132322	1745	50	Mid	0.17	1.550	21.41	22.50	1.285	1.992	/
	DSI2		Bottom Edge	0	132072	1720	100	Low	-0.10	1.480	21.47	22.50	1.268	1.877	/

11.17 LTE Band 71 (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.4	DSI1	QPSK	Left Cheek	0	133222	673	1	High	-0.01	0.394	24.17	25.50	1.358	0.535	/
	DSI1		Left Tilt	0	133222	673	1	High	-0.16	0.416	24.17	25.50	1.358	0.565	/
	DSI1		Right Cheek	0	133222	673	1	High	-0.02	0.670	24.17	25.50	1.358	**0.910**	56#
	DSI1		Right Tilt	0	133222	673	1	High	-0.14	0.242	24.17	25.50	1.358	0.329	/
	DSI1		Left Cheek	0	133297	680.5	50	Mid	-0.15	0.310	23.26	24.50	1.330	0.412	/
	DSI1		Left Tilt	0	133297	680.5	50	Mid	-0.15	0.329	23.26	24.50	1.330	0.438	/
	DSI1		Right Cheek	0	133297	680.5	50	Mid	0.10	0.562	23.26	24.50	1.330	0.747	/
	DSI1		Right Tilt	0	133297	680.5	50	Mid	0.04	0.178	23.26	24.50	1.330	0.237	/
	DSI1		Right Cheek	0	133297	680.5	1	High	-0.05	0.666	24.15	25.50	1.365	0.909	/
	DSI1		Right Cheek	0	133372	688	1	High	-0.16	0.603	24.13	25.50	1.371	0.827	/
	DSI1		Right Cheek	0	133222	673	50	High	0.17	0.553	23.19	24.50	1.352	0.748	/
	DSI1		Right Cheek	0	133372	688	50	Mid	0.09	0.529	23.20	24.50	1.349	0.714	/
	DSI1		Right Cheek	0	133372	688	100	Low	0.04	0.526	23.20	24.50	1.349	0.710	/
Ant.1	DSI1	QPSK	Left Cheek	0	133222	673	1	High	0.10	0.137	24.30	25.50	1.318	0.181	/
	DSI1		Left Tilt	0	133222	673	1	High	0.03	0.065	24.30	25.50	1.318	0.086	/
	DSI1		Right Cheek	0	133222	673	1	High	0.01	0.121	24.30	25.50	1.318	0.159	/
	DSI1		Right Tilt	0	133222	673	1	High	-0.09	0.056	24.30	25.50	1.318	0.074	/
	DSI1		Left Cheek	0	133372	688	50	Mid	-0.13	0.183	23.30	24.50	1.318	0.241	/
	DSI1		Left Tilt	0	133372	688	50	Mid	-0.15	0.087	23.30	24.50	1.318	0.115	/
	DSI1		Right Cheek	0	133372	688	50	Mid	-0.12	0.113	23.30	24.50	1.318	0.149	/
	DSI1		Right Tilt	0	133372	688	50	Mid	-0.09	0.049	23.30	24.50	1.318	0.065	/
Body-worn															
Ant.4	DSI4	QPSK	Front Side	15	133222	673	1	High	-0.18	0.120	24.17	25.50	1.358	0.163	/
	DSI3		Back Side	15	133222	673	1	High	-0.05	0.166	24.17	25.50	1.358	**0.225**	57#
	DSI4		Front Side	15	133297	680.5	50	Mid	0.02	0.094	23.26	24.50	1.330	0.125	/
	DSI3		Back Side	15	133297	680.5	50	Mid	-0.15	0.129	23.26	24.50	1.330	0.172	/
Ant.1	DSI4	QPSK	Front Side	15	133222	673	1	High	0.15	0.126	24.30	25.50	1.318	0.166	/
	DSI2		Back Side	15	133222	673	1	High	0.08	0.164	24.30	25.50	1.318	0.216	/
	DSI4		Front Side	15	133372	688	50	Mid	-0.18	0.112	23.30	24.50	1.318	0.148	/
	DSI2		Back Side	15	133372	688	50	Mid	-0.14	0.142	23.30	24.50	1.318	0.187	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	133222	673	1	High	-0.01	0.072	24.17	25.50	1.358	0.098	/
	DSI5		Back Side	10	133222	673	1	High	-0.12	0.109	24.17	25.50	1.358	0.148	/
	DSI5		Left Edge	10	133222	673	1	High	-0.03	0.077	24.17	25.50	1.358	0.105	/
	DSI5		Top Edge	10	133222	673	1	High	0.12	0.060	24.17	25.50	1.358	0.081	/
	DSI5		Front Side	10	133297	680.5	50	Mid	-0.10	0.054	23.26	24.50	1.330	0.072	/

	DSI5		Back Side	10	133297	680.5	50	Mid	0.18	0.085	23.26	24.50	1.330	0.113	/
	DSI5		Left Edge	10	133297	680.5	50	Mid	0.00	0.058	23.26	24.50	1.330	0.077	/
	DSI5		Top Edge	10	133297	680.5	50	Mid	-0.03	0.046	23.26	24.50	1.330	0.061	/
Ant.1	DSI5	QPSK	Front Side	10	133222	673	1	High	0.16	0.071	24.30	25.50	1.318	0.094	/
	DSI5		Back Side	10	133222	673	1	High	0.12	0.104	24.30	25.50	1.318	0.137	/
	DSI5		Left Edge	10	133222	673	1	High	0.02	0.074	24.30	25.50	1.318	0.098	/
	DSI5		Right Edge	10	133222	673	1	High	-0.08	0.136	24.30	25.50	1.318	**0.179**	58#
	DSI5		Bottom Edge	10	133222	673	1	High	-0.06	0.059	24.30	25.50	1.318	0.078	/
	DSI5		Front Side	10	133372	688	50	Mid	-0.06	0.053	23.30	24.50	1.318	0.070	/
	DSI5		Back Side	10	133372	688	50	Mid	-0.15	0.078	23.30	24.50	1.318	0.103	/
	DSI5		Left Edge	10	133372	688	50	Mid	0.11	0.054	23.30	24.50	1.318	0.071	/
	DSI5		Right Edge	10	133372	688	50	Mid	0.14	0.093	23.30	24.50	1.318	0.123	/
	DSI5		Bottom Edge	10	133372	688	50	Mid	-0.01	0.068	23.30	24.50	1.318	0.090	/

11.18 LTE Band38 (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.4	DSI1	QPSK	Left Cheek	0	38150	2610	1	High	0.11	0.509	21.10	22.50	1.380	0.702	/
	DSI1		Left Tilt	0	38150	2610	1	High	0.02	0.576	21.10	22.50	1.380	0.795	/
	DSI1		Right Cheek	0	38150	2610	1	High	0.05	0.702	21.10	22.50	1.380	0.969	/
	DSI1		Right Tilt	0	38150	2610	1	High	-0.14	0.755	21.10	22.50	1.380	**1.042**	59#
	DSI1		Left Cheek	0	38150	2610	50	High	-0.13	0.510	21.08	22.50	1.387	0.707	/
	DSI1		Left Tilt	0	38150	2610	50	High	-0.04	0.571	21.08	22.50	1.387	0.792	/
	DSI1		Right Cheek	0	38150	2610	50	High	0.06	0.692	21.08	22.50	1.387	0.960	/
	DSI1		Right Tilt	0	38150	2610	50	High	-0.15	0.744	21.08	22.50	1.387	1.032	/
	DSI1		Right Cheek	0	37850	2580	1	Mid	0.01	0.668	21.00	22.50	1.413	0.944	/
	DSI1		Right Cheek	0	38000	2595	1	Mid	-0.06	0.645	20.89	22.50	1.449	0.935	/
	DSI1		Right Cheek	0	37850	2580	50	Mid	0.03	0.658	21.07	22.50	1.390	0.915	/
	DSI1		Right Cheek	0	38000	2595	50	Mid	0.11	0.632	21.03	22.50	1.403	0.887	/
	DSI1		Right Cheek	0	37850	2580	100	Low	0.05	0.621	21.01	22.50	1.409	0.875	/
	DSI1		Right Tilt	0	37850	2580	1	Mid	0.15	0.736	21.00	22.50	1.413	1.040	/
	DSI1		Right Tilt	0	38000	2595	1	Mid	-0.15	0.711	20.89	22.50	1.449	1.030	/
	DSI1		Right Tilt	0	37850	2580	50	Mid	-0.01	0.725	21.07	22.50	1.390	1.008	/
	DSI1		Right Tilt	0	38000	2595	50	Mid	-0.08	0.701	21.03	22.50	1.403	0.984	/
	DSI1		Right Tilt	0	37850	2580	100	Low	-0.15	0.688	21.01	22.50	1.409	0.969	/
Ant.1	DSI1	QPSK	Left Cheek	0	37850	2580	1	High	0.04	0.062	23.77	25.00	1.327	0.082	/
	DSI1		Left Tilt	0	37850	2580	1	High	0.03	0.053	23.77	25.00	1.327	0.070	/
	DSI1		Right Cheek	0	37850	2580	1	High	-0.14	0.098	23.77	25.00	1.327	0.130	/
	DSI1		Right Tilt	0	37850	2580	1	High	-0.15	0.034	23.77	25.00	1.327	0.045	/
	DSI1		Left Cheek	0	37850	2580	50	Mid	-0.14	0.051	22.77	24.00	1.327	0.068	/
	DSI1		Left Tilt	0	37850	2580	50	Mid	-0.05	0.044	22.77	24.00	1.327	0.058	/
	DSI1		Right Cheek	0	37850	2580	50	Mid	0.06	0.081	22.77	24.00	1.327	0.107	/
	DSI1		Right Tilt	0	37850	2580	50	Mid	0.15	0.028	22.77	24.00	1.327	0.037	/
Head-CA															
Ant.4	DSI1	QPSK	Right Tilt	0	38150 +37952	2610 +2590.2	1+1	Low +High	-0.09	0.695	21.03	22.50	1.403	0.975	/
Body-worn															
Ant.4	DSI4	QPSK	Front Side	15	37850	2580	1	Mid	-0.10	0.128	23.12	24.00	1.225	0.157	/
	DSI3		Back Side	15	38000	2595	1	Low	0.03	0.084	20.68	22.00	1.355	0.114	/
	DSI4		Front Side	15	38000	2595	50	Low	0.08	0.103	22.11	23.00	1.227	0.126	/
	DSI3		Back Side	15	38000	2595	50	Mid	-0.08	0.078	20.69	22.00	1.352	0.105	/
Ant.1	DSI4	QPSK	Front Side	15	37850	2580	1	High	-0.04	0.151	23.77	25.00	1.327	0.200	/
	DSI2		Back Side	15	37850	2580	1	High	0.03	0.211	22.81	23.50	1.172	**0.247**	60#

	DSI4		Front Side	15	37850	2580	50	Mid	0.10	0.129	22.77	24.00	1.327	0.171	/
	DSI2		Back Side	15	37850	2580	50	Mid	0.07	0.171	22.85	23.50	1.161	0.199	/
Body-worn-CA															
Ant.1	DSI3	QPSK	Back Side	15	37850 +38048	2580 +2599.8	1+1	High +Low	0.03	0.185	22.31	23.50	1.315	0.243	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	38150	2610	1	High	0.10	0.144	19.70	21.00	1.349	0.194	/
	DSI5		Back Side	10	38150	2610	1	High	-0.08	0.170	19.70	21.00	1.349	0.229	/
	DSI5		Left Edge	10	38150	2610	1	High	0.09	0.078	19.70	21.00	1.349	0.105	/
	DSI5		Top Edge	10	38150	2610	1	High	0.13	0.357	19.70	21.00	1.349	0.482	/
	DSI5		Front Side	10	38150	2610	50	Mid	0.06	0.143	19.75	21.00	1.334	0.191	/
	DSI5		Back Side	10	38150	2610	50	Mid	-0.10	0.167	19.75	21.00	1.334	0.223	/
	DSI5		Left Edge	10	38150	2610	50	Mid	0.04	0.072	19.75	21.00	1.334	0.096	/
	DSI5		Top Edge	10	38150	2610	50	Mid	-0.05	0.359	19.75	21.00	1.334	0.479	/
Ant.1	DSI5	QPSK	Front Side	10	37850	2580	1	High	0.14	0.191	21.83	22.50	1.167	0.223	/
	DSI5		Back Side	10	37850	2580	1	High	0.13	0.267	21.83	22.50	1.167	0.312	/
	DSI5		Left Edge	10	37850	2580	1	High	0.11	0.039	21.83	22.50	1.167	0.046	/
	DSI5		Right Edge	10	37850	2580	1	High	-0.15	0.042	21.83	22.50	1.167	0.049	/
	DSI5		Bottom Edge	10	37850	2580	1	High	-0.01	0.464	21.83	22.50	1.167	**0.541**	61#
	DSI5		Front Side	10	37850	2580	50	Mid	-0.07	0.182	21.96	22.50	1.132	0.206	/
	DSI5		Back Side	10	37850	2580	50	Mid	0.09	0.257	21.96	22.50	1.132	0.291	/
	DSI5		Left Edge	10	37850	2580	50	Mid	-0.11	0.034	21.96	22.50	1.132	0.038	/
	DSI5		Right Edge	10	37850	2580	50	Mid	-0.08	0.046	21.96	22.50	1.132	0.052	/
	DSI5		Bottom Edge	10	37850	2580	50	Mid	0.10	0.450	21.96	22.50	1.132	0.509	/
Hotspot-CA															
Ant.1	DSI5	QPSK	Bottom Edge	10	37850 +38048	2580 +2599.8	1+1	High +Low	0.08	0.397	21.28	22.50	1.324	0.526	/
Body(Sensor-1)															
Ant.4	DSI4	QPSK	Front Side	9	37850	2580	1	Mid	0.11	0.253	23.12	24.00	1.225	0.310	/
	DSI4		Back Side	16	37850	2580	1	Mid	-0.05	0.164	23.12	24.00	1.225	0.201	/
	DSI4		Left Edge	7	37850	2580	1	Mid	-0.07	0.233	23.12	24.00	1.225	0.285	/
	DSI4		Top Edge	16	37850	2580	1	Mid	-0.04	0.203	23.12	24.00	1.225	0.249	/
	DSI4		Front Side	9	38000	2595	50	Low	-0.02	0.196	22.11	23.00	1.227	0.240	/
	DSI4		Back Side	16	38000	2595	50	Low	-0.11	0.131	22.11	23.00	1.227	0.161	/
	DSI4		Left Edge	7	38000	2595	50	Low	-0.10	0.186	22.11	23.00	1.227	0.228	/
	DSI4		Top Edge	16	38000	2595	50	Low	-0.01	0.162	22.11	23.00	1.227	0.199	/
Ant.1	DSI4	QPSK	Front Side	9	37850	2580	1	High	-0.06	0.306	23.77	25.00	1.327	0.406	/
	DSI4		Back Side	16	37850	2580	1	High	-0.04	0.240	23.77	25.00	1.327	0.318	/
	DSI4		Bottom Edge	16	37850	2580	1	High	0.00	0.235	23.77	25.00	1.327	0.312	/
	DSI4		Front Side	9	37850	2580	50	Mid	-0.08	0.246	22.77	24.00	1.327	0.326	/
	DSI4		Back Side	16	37850	2580	50	Mid	0.08	0.193	22.77	24.00	1.327	0.256	/
	DSI4		Bottom Edge	16	37850	2580	50	Mid	0.07	0.187	22.77	24.00	1.327	0.248	/

Antenna	Power Reduction	Mode	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	10 g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant.4	DSI3	QPSK	Top Edge	0	38000	2595	1	Low	-0.11	1.890	20.68	22.00	1.355	**2.561**	62#
	DSI3		Top Edge	0	38000	2595	50	Mid	0.11	1.720	20.69	22.00	1.352	2.325	/
	DSI3		Top Edge	0	37850	2580	1	High	-0.01	1.810	20.65	22.00	1.365	2.471	/
	DSI3		Top Edge	0	38150	2610	1	Low	-0.10	1.860	20.66	22.00	1.361	2.531	/
	DSI3		Top Edge	0	37850	2580	50	Mid	0.10	1.690	20.69	22.00	1.352	2.285	/
	DSI3		Top Edge	0	38150	2610	50	Mid	-0.01	1.600	20.67	22.00	1.358	2.173	/
	DSI3		Top Edge	0	38000	2595	100	Low	-0.04	1.640	20.59	22.00	1.384	2.270	/
Specific-CA															
Ant.4	DSI3	QPSK	Top Edge	0	38099 +37901	2604.9 +2585.1	1+1	High +Low	-0.10	1.740	20.56	22.00	1.393	2.424	/

11.19 LTE Band41 (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.4	DSI1	QPSK	Left Cheek	0	41490	2680	1	Low	-0.14	0.523	21.33	22.50	1.309	0.685	/
	DSI1		Left Tilt	0	41490	2680	1	Low	-0.13	0.574	21.33	22.50	1.309	0.751	/
	DSI1		Right Cheek	0	41490	2680	1	Low	0.01	0.735	21.33	22.50	1.309	0.962	/
	DSI1		Right Tilt	0	41490	2680	1	Low	-0.06	0.757	21.33	22.50	1.309	**0.991**	63#
	DSI1		Left Cheek	0	41490	2680	50	High	-0.02	0.521	21.32	22.50	1.312	0.684	/
	DSI1		Left Tilt	0	41490	2680	50	High	0.08	0.571	21.32	22.50	1.312	0.749	/
	DSI1		Right Cheek	0	41490	2680	50	High	-0.11	0.732	21.32	22.50	1.312	0.960	/
	DSI1		Right Tilt	0	41490	2680	50	High	0.01	0.754	21.32	22.50	1.312	0.989	/
	DSI1		Right Cheek	0	39750	2506	1	Low	-0.01	0.605	21.13	22.50	1.371	0.829	/
	DSI1		Right Cheek	0	40185	2549.5	1	Low	-0.05	0.658	20.97	22.50	1.422	0.936	/
	DSI1		Right Cheek	0	40620	2593	1	High	0.00	0.539	20.95	22.50	1.429	0.770	/
	DSI1		Right Cheek	0	41055	2636.5	1	Low	0.00	0.582	21.22	22.50	1.343	0.782	/
	DSI1		Right Cheek	0	39750	2506	50	Mid	0.03	0.610	21.26	22.50	1.330	0.811	/
	DSI1		Right Cheek	0	40185	2549.5	50	Low	-0.02	0.653	21.11	22.50	1.377	0.899	/
	DSI1		Right Cheek	0	40620	2593	50	High	-0.11	0.549	21.05	22.50	1.396	0.766	/
	DSI1		Right Cheek	0	41055	2636.5	50	High	-0.03	0.592	21.22	22.50	1.343	0.795	/
	DSI1		Right Cheek	0	41490	2680	100	Low	0.10	0.518	21.27	22.50	1.327	0.687	/
	DSI1		Right Tilt	0	39750	2506	1	Low	-0.09	0.641	21.13	22.50	1.371	0.879	/
	DSI1		Right Tilt	0	40185	2549.5	1	Low	-0.09	0.698	20.97	22.50	1.422	0.993	/
	DSI1		Right Tilt	0	40620	2593	1	High	0.09	0.558	20.95	22.50	1.429	0.797	/
	DSI1		Right Tilt	0	41055	2636.5	1	Low	0.13	0.607	21.22	22.50	1.343	0.815	/
	DSI1		Right Tilt	0	39750	2506	50	Mid	0.15	0.638	21.26	22.50	1.330	0.849	/
	DSI1		Right Tilt	0	40185	2549.5	50	Low	0.11	0.695	21.11	22.50	1.377	0.957	/
	DSI1		Right Tilt	0	40620	2593	50	High	0.04	0.556	21.05	22.50	1.396	0.776	/
	DSI1		Right Tilt	0	41055	2636.5	50	High	0.09	0.604	21.22	22.50	1.343	0.811	/
	DSI1		Right Tilt	0	41490	2680	100	Low	0.15	0.532	21.27	22.50	1.327	0.706	/
Ant.1	DSI1	QPSK	Left Cheek	0	41490	2680	1	High	0.02	0.066	24.08	25.00	1.236	0.082	/
	DSI1		Left Tilt	0	41490	2680	1	High	0.15	0.048	24.08	25.00	1.236	0.059	/
	DSI1		Right Cheek	0	41490	2680	1	High	0.02	0.100	24.08	25.00	1.236	0.124	/
	DSI1		Right Tilt	0	41490	2680	1	High	0.02	0.038	24.08	25.00	1.236	0.047	/
	DSI1		Left Cheek	0	41490	2680	50	High	-0.09	0.054	23.14	24.00	1.219	0.066	/
	DSI1		Left Tilt	0	41490	2680	50	High	-0.08	0.039	23.14	24.00	1.219	0.048	/
	DSI1		Right Cheek	0	41490	2680	50	High	-0.04	0.082	23.14	24.00	1.219	0.100	/
	DSI1		Right Tilt	0	41490	2680	50	High	0.01	0.031	23.14	24.00	1.219	0.038	/
Body-worn															
Ant.4	DSI4	QPSK	Front Side	15	40620	2593	1	Low	0.11	0.186	22.97	24.00	1.268	0.236	/

	DSI3		Back Side	15	41490	2680	1	Low	0.05	0.086	21.33	22.50	1.309	0.113	/
	DSI4		Front Side	15	40620	2593	50	Low	0.03	0.150	22.12	23.00	1.225	0.184	/
	DSI3		Back Side	15	41490	2680	50	High	-0.12	0.081	21.32	22.50	1.312	0.106	/
Ant.1	DSI4	QPSK	Front Side	15	41490	2680	1	High	-0.05	0.191	24.08	25.00	1.236	0.236	/
	DSI2		Back Side	15	39750	2506	1	High	-0.03	0.278	22.90	23.50	1.148	**0.319**	64#
	DSI4		Front Side	15	41490	2680	50	High	-0.05	0.158	23.14	24.00	1.219	0.193	/
	DSI2		Back Side	15	39750	2506	50	High	-0.05	0.217	22.94	23.50	1.138	0.247	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	41490	2680	1	High	0.03	0.267	20.45	21.50	1.274	0.340	/
	DSI5		Back Side	10	41490	2680	1	High	0.07	0.364	20.45	21.50	1.274	0.464	/
	DSI5		Left Edge	10	41490	2680	1	High	0.02	0.131	20.45	21.50	1.274	0.167	/
	DSI5		Top Edge	10	41490	2680	1	High	-0.04	0.618	20.45	21.50	1.274	**0.787**	65#
	DSI5		Front Side	10	41490	2680	50	High	-0.05	0.253	20.50	21.50	1.259	0.319	/
	DSI5		Back Side	10	41490	2680	50	High	-0.05	0.357	20.50	21.50	1.259	0.449	/
	DSI5		Left Edge	10	41490	2680	50	High	-0.12	0.126	20.50	21.50	1.259	0.159	/
	DSI5		Top Edge	10	41490	2680	50	High	0.04	0.583	20.50	21.50	1.259	0.734	/
Ant.1	DSI5	QPSK	Front Side	10	39750	2506	1	High	-0.14	0.247	22.90	23.50	1.148	0.284	/
	DSI5		Back Side	10	39750	2506	1	High	0.11	0.350	22.90	23.50	1.148	0.402	/
	DSI5		Left Edge	10	39750	2506	1	High	0.07	0.039	22.90	23.50	1.148	0.045	/
	DSI5		Right Edge	10	39750	2506	1	High	-0.09	0.056	22.90	23.50	1.148	0.064	/
	DSI5		Bottom Edge	10	39750	2506	1	High	-0.01	0.630	22.90	23.50	1.148	0.723	/
	DSI5		Front Side	10	39750	2506	50	High	0.04	0.238	22.94	23.50	1.138	0.271	/
	DSI5		Back Side	10	39750	2506	50	High	0.12	0.342	22.94	23.50	1.138	0.389	/
	DSI5		Left Edge	10	39750	2506	50	High	-0.14	0.036	22.94	23.50	1.138	0.041	/
	DSI5		Right Edge	10	39750	2506	50	High	-0.04	0.054	22.94	23.50	1.138	0.061	/
	DSI5		Bottom Edge	10	39750	2506	50	High	-0.10	0.590	22.94	23.50	1.138	0.671	/
Body(Sensor-1)															
Ant.4	DSI4	QPSK	Front Side	9	40620	2593	1	Low	-0.12	0.406	22.97	24.00	1.268	0.515	/
	DSI4		Back Side	16	40620	2593	1	Low	-0.04	0.204	22.97	24.00	1.268	0.259	/
	DSI4		Left Edge	7	40620	2593	1	Low	-0.08	0.202	22.97	24.00	1.268	0.256	/
	DSI4		Top Edge	16	40620	2593	1	Low	0.10	0.379	22.97	24.00	1.268	0.481	/
	DSI4		Front Side	9	40620	2593	50	Low	-0.05	0.319	22.12	23.00	1.225	0.391	/
	DSI4		Back Side	16	40620	2593	50	Low	0.10	0.158	22.12	23.00	1.225	0.194	/
	DSI4		Left Edge	7	40620	2593	50	Low	-0.09	0.159	22.12	23.00	1.225	0.195	/
	DSI4		Top Edge	16	40620	2593	50	Low	-0.12	0.296	22.12	23.00	1.225	0.363	/
Ant.1	DSI4	QPSK	Front Side	9	41490	2680	1	High	-0.10	0.257	24.08	25.00	1.236	0.318	/
	DSI4		Back Side	16	41490	2680	1	High	-0.07	0.171	24.08	25.00	1.236	0.211	/
	DSI4		Bottom Edge	16	41490	2680	1	High	0.01	0.289	24.08	25.00	1.236	0.357	/
	DSI4		Front Side	9	41490	2680	50	High	0.12	0.212	23.14	24.00	1.219	0.258	/
	DSI4		Back Side	16	41490	2680	50	High	0.04	0.139	23.14	24.00	1.219	0.169	/
	DSI4		Bottom Edge	16	41490	2680	50	High	-0.03	0.235	23.14	24.00	1.219	0.286	/

Antenna	Power Reduction	Mode	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	10 g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant.4	DSI3	QPSK	Top Edge	0	41490	2680	1	Low	0.01	1.980	21.33	22.50	1.309	**2.592**	66#
	DSI3		Top Edge	0	41490	2680	50	High	0.14	1.950	21.32	22.50	1.312	2.558	/
	DSI3		Top Edge	0	39750	2506	1	Low	-0.01	1.850	21.13	22.50	1.371	2.536	/
	DSI3		Top Edge	0	40185	2549.5	1	Low	0.13	1.820	20.97	22.50	1.422	2.588	/
	DSI3		Top Edge	0	40620	2593	1	High	-0.08	1.780	20.95	22.50	1.429	2.544	/
	DSI3		Top Edge	0	41055	2636.5	1	Low	0.03	1.710	21.22	22.50	1.343	2.297	/
	DSI3		Top Edge	0	39750	2506	50	Mid	-0.10	1.840	21.26	22.50	1.330	2.447	/
	DSI3		Top Edge	0	40185	2549.5	50	Low	0.02	1.770	21.11	22.50	1.377	2.437	/
	DSI3		Top Edge	0	40620	2593	50	High	-0.13	1.790	21.05	22.50	1.396	2.499	/
	DSI3		Top Edge	0	41055	2636.5	50	High	0.02	1.730	21.22	22.50	1.343	2.323	/
	DSI3		Top Edge	0	41490	2680	100	Low	0.13	1.730	21.27	22.50	1.327	2.296	/

11.20 LTE Band42 (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.5	DSI1	QPSK	Left Cheek	0	42190	3460	1	Low	0.03	0.800	16.24	17.00	1.191	0.953	/
	DSI1		Left Tilt	0	42190	3460	1	Low	-0.04	0.630	16.24	17.00	1.191	0.750	/
	DSI1		Right Cheek	0	42190	3460	1	Low	-0.01	0.482	16.24	17.00	1.191	0.574	/
	DSI1		Right Tilt	0	42190	3460	1	Low	0.05	0.579	16.24	17.00	1.191	0.690	/
	DSI1		Left Cheek	0	42590	3500	50	Mid	0.10	0.771	16.25	17.00	1.189	0.917	/
	DSI1		Left Tilt	0	42590	3500	50	Mid	0.07	0.604	16.25	17.00	1.189	0.718	/
	DSI1		Right Cheek	0	42590	3500	50	Mid	-0.09	0.507	16.25	17.00	1.189	0.603	/
	DSI1		Right Tilt	0	42590	3500	50	Mid	-0.11	0.572	16.25	17.00	1.189	0.680	/
	DSI1		Left Cheek	0	42590	3500	1	High	0.01	0.695	16.13	17.00	1.222	0.849	/
	DSI1		Left Cheek	0	42990	3540	1	Low	0.05	0.815	16.20	17.00	1.202	**0.980**	67#
	DSI1		Left Cheek	0	42190	3460	50	Low	-0.07	0.721	16.14	17.00	1.219	0.879	/
	DSI1		Left Cheek	0	42990	3540	50	Mid	-0.01	0.786	16.21	17.00	1.199	0.942	/
	DSI1		Left Cheek	0	42590	3500	100	Low	-0.04	0.687	16.05	17.00	1.245	0.855	/
Ant.7	DSI1	QPSK	Left Cheek	0	42590	3500	1	Low	0.01	0.711	18.65	19.50	1.216	0.865	/
	DSI1		Left Tilt	0	42590	3500	1	Low	0.01	0.400	18.65	19.50	1.216	0.486	/
	DSI1		Right Cheek	0	42590	3500	1	Low	-0.15	0.198	18.65	19.50	1.216	0.241	/
	DSI1		Right Tilt	0	42590	3500	1	Low	-0.09	0.119	18.65	19.50	1.216	0.145	/
	DSI1		Left Cheek	0	42190	3460	50	Mid	0.03	0.710	18.62	19.50	1.225	0.870	/
	DSI1		Left Tilt	0	42190	3460	50	Mid	0.13	0.399	18.62	19.50	1.225	0.489	/
	DSI1		Right Cheek	0	42190	3460	50	Mid	0.09	0.198	18.62	19.50	1.225	0.243	/
	DSI1		Right Tilt	0	42190	3460	50	Mid	-0.05	0.119	18.62	19.50	1.225	0.146	/
	DSI1		Left Cheek	0	42190	3460	1	High	-0.04	0.685	18.63	19.50	1.222	0.837	/
	DSI1		Left Cheek	0	42990	3540	1	Low	0.02	0.674	18.54	19.50	1.247	0.840	/
	DSI1		Left Cheek	0	42590	3500	50	Mid	-0.08	0.658	18.56	19.50	1.242	0.817	/
	DSI1		Left Cheek	0	42990	3540	50	Mid	0.06	0.667	18.61	19.50	1.227	0.818	/
	DSI1		Left Cheek	0	42190	3460	100	Low	0.01	0.639	18.67	19.50	1.211	0.774	/
Body-worn															
Ant.5	DSI4	QPSK	Front Side	15	42190	3460	1	High	-0.04	0.119	21.64	22.50	1.219	**0.145**	68#
	DSI3		Back Side	15	42190	3460	1	High	-0.19	0.078	21.64	22.50	1.219	0.095	/
	DSI4		Front Side	15	42590	3500	50	High	-0.07	0.112	21.62	22.50	1.225	0.137	/
	DSI3		Back Side	15	42590	3500	50	High	-0.02	0.075	21.62	22.50	1.225	0.092	/
Ant.7	DSI4	QPSK	Front Side	15	42590	3500	1	Low	-0.13	0.090	18.65	19.50	1.216	0.109	/
	DSI3		Back Side	15	42590	3500	1	Low	-0.06	0.118	18.65	19.50	1.216	0.143	/
	DSI4		Front Side	15	42190	3460	50	Mid	-0.02	0.073	18.62	19.50	1.225	0.089	/
	DSI3		Back Side	15	42190	3460	50	Mid	-0.03	0.101	18.62	19.50	1.225	0.124	/
Hotspot															

Ant.5	DSI5	QPSK	Front Side	10	42190	3460	1	Low	0.06	0.235	16.24	17.00	1.191	**0.280**	69#
	DSI5		Back Side	10	42190	3460	1	Low	0.05	0.202	16.24	17.00	1.191	0.241	/
	DSI5		Top Edge	10	42190	3460	1	Low	-0.13	0.224	16.24	17.00	1.191	0.267	/
	DSI5		Front Side	10	42590	3500	50	Mid	-0.13	0.201	16.25	17.00	1.189	0.239	/
	DSI5		Back Side	10	42590	3500	50	Mid	0.10	0.161	16.25	17.00	1.189	0.191	/
	DSI5		Top Edge	10	42590	3500	50	Mid	-0.05	0.183	16.25	17.00	1.189	0.218	/
Ant.7	DSI5	QPSK	Front Side	10	42590	3500	1	Low	0.03	0.099	18.65	19.50	1.216	0.120	/
	DSI5		Back Side	10	42590	3500	1	Low	-0.03	0.142	18.65	19.50	1.216	0.173	/
	DSI5		Right Edge	10	42590	3500	1	Low	-0.05	0.221	18.65	19.50	1.216	0.269	/
	DSI5		Top Edge	10	42590	3500	1	Low	0.08	0.027	18.65	19.50	1.216	0.033	/
	DSI5		Front Side	10	42190	3460	50	Mid	0.08	0.091	18.62	19.50	1.225	0.111	/
	DSI5		Back Side	10	42190	3460	50	Mid	-0.02	0.141	18.62	19.50	1.225	0.173	/
	DSI5		Right Edge	10	42190	3460	50	Mid	0.14	0.195	18.62	19.50	1.225	0.239	/
	DSI5		Top Edge	10	42190	3460	50	Mid	-0.11	0.025	18.62	19.50	1.225	0.031	/

11.21 LTE Band48 (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.5	DSI1	QPSK	Left Cheek	0	55340	3560	1	Mid	-0.07	0.454	16.27	17.00	1.183	0.537	/
	DSI1		Left Tilt	0	55340	3560	1	Mid	0.15	0.446	16.27	17.00	1.183	0.528	/
	DSI1		Right Cheek	0	55340	3560	1	Mid	-0.09	0.442	16.27	17.00	1.183	0.523	/
	DSI1		Right Tilt	0	55340	3560	1	Mid	-0.09	0.315	16.27	17.00	1.183	0.373	/
	DSI1		Left Cheek	0	55990	3625	50	High	-0.11	0.446	16.27	17.00	1.183	0.528	/
	DSI1		Left Tilt	0	55990	3625	50	High	-0.10	0.434	16.27	17.00	1.183	0.513	/
	DSI1		Right Cheek	0	55990	3625	50	High	0.02	0.430	16.27	17.00	1.183	0.509	/
	DSI1		Right Tilt	0	55990	3625	50	High	0.15	0.308	16.27	17.00	1.183	0.364	/
Ant.7	DSI1	QPSK	Left Cheek	0	55990	3625	1	Low	0.13	0.652	18.65	19.50	1.216	**0.793**	70#
	DSI1		Left Tilt	0	55990	3625	1	Low	-0.13	0.367	18.65	19.50	1.216	0.446	/
	DSI1		Right Cheek	0	55990	3625	1	Low	-0.15	0.182	18.65	19.50	1.216	0.221	/
	DSI1		Right Tilt	0	55990	3625	1	Low	0.11	0.109	18.65	19.50	1.216	0.133	/
	DSI1		Left Cheek	0	55340	3560	50	Mid	0.07	0.643	18.62	19.50	1.225	0.788	/
	DSI1		Left Tilt	0	55340	3560	50	Mid	0.03	0.362	18.62	19.50	1.225	0.443	/
	DSI1		Right Cheek	0	55340	3560	50	Mid	0.09	0.180	18.62	19.50	1.225	0.221	/
	DSI1		Right Tilt	0	55340	3560	50	Mid	-0.08	0.108	18.62	19.50	1.225	0.132	/
Body-worn															
Ant.5	DSI4	QPSK	Front Side	15	55340	3560	1	High	0.01	0.248	23.57	24.50	1.239	**0.307**	71#
	DSI3		Back Side	15	55340	3560	1	High	0.04	0.245	23.57	24.50	1.239	0.304	/
	DSI4		Front Side	15	56640	3690	50	High	0.05	0.201	23.62	24.50	1.225	0.246	/
	DSI3		Back Side	15	56640	3690	50	High	-0.08	0.191	23.62	24.50	1.225	0.234	/
Ant.7	DSI4	QPSK	Front Side	15	55990	3625	1	Low	-0.07	0.154	18.65	19.50	1.216	0.187	/
	DSI3		Back Side	15	55990	3625	1	Low	-0.12	0.168	18.65	19.50	1.216	0.204	/
	DSI4		Front Side	15	55340	3560	50	Mid	0.14	0.112	18.62	19.50	1.225	0.137	/
	DSI3		Back Side	15	55340	3560	50	Mid	0.01	0.137	18.62	19.50	1.225	0.168	/
Hotspot															
Ant.5	DSI5	QPSK	Front Side	10	55340	3560	1	Mid	-0.03	0.125	16.27	17.00	1.183	0.148	/
	DSI5		Back Side	10	55340	3560	1	Mid	0.13	0.113	16.27	17.00	1.183	0.134	/
	DSI5		Top Edge	10	55340	3560	1	Mid	-0.05	0.173	16.27	17.00	1.183	0.205	/
	DSI5		Front Side	10	55990	3625	50	High	-0.02	0.118	16.27	17.00	1.183	0.140	/
	DSI5		Back Side	10	55990	3625	50	High	0.05	0.107	16.27	17.00	1.183	0.127	/
	DSI5		Top Edge	10	55990	3625	50	High	0.13	0.161	16.27	17.00	1.183	0.190	/
Ant.7	DSI5	QPSK	Front Side	10	55990	3625	1	Low	-0.06	0.176	18.65	19.50	1.216	0.214	/
	DSI5		Back Side	10	55990	3625	1	Low	-0.05	0.199	18.65	19.50	1.216	0.242	/
	DSI5		Right Edge	10	55990	3625	1	Low	0.03	0.381	18.65	19.50	1.216	**0.463**	72#
	DSI5		Top Edge	10	55990	3625	1	Low	-0.09	0.109	18.65	19.50	1.216	0.133	/

	DSI5		Front Side	10	55340	3560	50	Mid	0.10	0.143	18.62	19.50	1.225	0.175	/
	DSI5		Back Side	10	55340	3560	50	Mid	-0.04	0.182	18.62	19.50	1.225	0.223	/
	DSI5		Right Edge	10	55340	3560	50	Mid	-0.05	0.321	18.62	19.50	1.225	0.393	/
	DSI5		Top Edge	10	55340	3560	50	Mid	0.02	0.088	18.62	19.50	1.225	0.108	/

11.22 5G 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.4	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	376000	1880	1	1	-0.06	0.541	16.78	17.50	1.180	0.638	/
	DSI1			Left Tilt	0	376000	1880	1	1	0.05	0.618	16.78	17.50	1.180	0.729	/
	DSI1			Right Cheek	0	376000	1880	1	1	0.08	0.776	16.78	17.50	1.180	0.916	/
	DSI1			Right Tilt	0	376000	1880	1	1	0.05	0.884	16.78	17.50	1.180	**1.043**	73#
	DSI1			Left Cheek	0	372000	1860	50	28	0.09	0.529	16.65	17.50	1.216	0.643	/
	DSI1			Left Tilt	0	372000	1860	50	28	0.04	0.606	16.65	17.50	1.216	0.737	/
	DSI1			Right Cheek	0	372000	1860	50	28	0.05	0.757	16.65	17.50	1.216	0.921	/
	DSI1			Right Tilt	0	372000	1860	50	28	-0.11	0.811	16.65	17.50	1.216	0.986	/
	DSI1			Right Cheek	0	372000	1860	1	53	-0.09	0.662	16.26	17.50	1.330	0.880	/
	DSI1			Right Cheek	0	380000	1900	1	104	-0.08	0.643	16.21	17.50	1.346	0.865	/
	DSI1			Right Cheek	0	376000	1880	50	0	0.11	0.676	16.48	17.50	1.265	0.855	/
	DSI1			Right Cheek	0	380000	1900	50	0	-0.11	0.658	16.52	17.50	1.253	0.824	/
	DSI1			Right Cheek	0	372000	1860	100	0	0.01	0.629	16.55	17.50	1.245	0.783	/
	DSI1			Right Tilt	0	372000	1860	1	53	0.02	0.776	16.26	17.50	1.330	1.032	/
	DSI1			Right Tilt	0	380000	1900	1	104	-0.06	0.762	16.21	17.50	1.346	1.026	/
	DSI1			Right Tilt	0	376000	1880	50	0	-0.02	0.807	16.48	17.50	1.265	1.021	/
	DSI1			Right Tilt	0	380000	1900	50	0	-0.02	0.779	16.52	17.50	1.253	0.976	/
	DSI1			Right Tilt	0	372000	1860	100	0	0.01	0.733	16.55	17.50	1.245	0.913	/
Ant.1	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	380000	1900	1	1	0.13	0.128	24.70	26.00	1.349	0.173	/
	DSI1			Left Tilt	0	380000	1900	1	1	0.14	0.090	24.70	26.00	1.349	0.121	/
	DSI1			Right Cheek	0	380000	1900	1	1	0.08	0.102	24.70	26.00	1.349	0.138	/
	DSI1			Right Tilt	0	380000	1900	1	1	0.06	0.075	24.70	26.00	1.349	0.101	/
	DSI1			Left Cheek	0	380000	1900	50	28	-0.10	0.131	24.68	26.00	1.355	0.178	/
	DSI1			Left Tilt	0	380000	1900	50	28	0.14	0.092	24.68	26.00	1.355	0.125	/
	DSI1			Right Cheek	0	380000	1900	50	28	-0.11	0.105	24.68	26.00	1.355	0.142	/
	DSI1			Right Tilt	0	380000	1900	50	28	-0.03	0.077	24.68	26.00	1.355	0.104	/
Body-worn																
Ant.4	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	372000	1860	1	1	0.02	0.248	24.31	24.50	1.045	0.259	/
	DSI3			Back Side	15	376000	1880	1	104	0.04	0.465	18.07	19.00	1.239	**0.576**	74#
	DSI4			Front Side	15	372000	1860	50	28	-0.13	0.208	24.44	25.50	1.276	0.265	/
	DSI3			Back Side	15	372000	1860	50	56	0.02	0.397	18.20	19.00	1.202	0.477	/
Ant.1	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	380000	1900	1	1	0.14	0.158	24.70	26.00	1.349	0.213	/
	DSI2			Back Side	15	376000	1880	1	53	-0.01	0.169	21.68	22.50	1.208	0.204	/
	DSI4			Front Side	15	380000	1900	50	28	0.08	0.165	24.68	26.00	1.355	0.224	/
	DSI2			Back Side	15	372000	1860	50	0	-0.11	0.154	21.68	22.50	1.208	0.186	/

Hotspot																
Ant.4	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	376000	1880	1	1	-0.04	0.215	16.78	17.50	1.180	0.254	/
	DSI5			Back Side	10	376000	1880	1	1	0.06	0.441	16.78	17.50	1.180	0.520	/
	DSI5			Left Edge	10	376000	1880	1	1	-0.08	0.023	16.78	17.50	1.180	0.027	/
	DSI5			Top Edge	10	376000	1880	1	1	-0.10	0.612	16.78	17.50	1.180	0.722	/
	DSI5			Front Side	10	372000	1860	50	28	0.13	0.188	16.65	17.50	1.216	0.229	/
	DSI5			Back Side	10	372000	1860	50	28	0.04	0.355	16.65	17.50	1.216	0.432	/
	DSI5			Left Edge	10	372000	1860	50	28	-0.09	0.020	16.65	17.50	1.216	0.024	/
	DSI5			Top Edge	10	372000	1860	50	28	-0.02	0.656	16.65	17.50	1.216	**0.798**	75#
Ant.1	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	376000	1880	1	1	-0.05	0.229	20.66	21.50	1.213	0.278	/
	DSI5			Back Side	10	376000	1880	1	1	0.15	0.368	20.66	21.50	1.213	0.446	/
	DSI5			Left Edge	10	376000	1880	1	1	-0.01	0.152	20.66	21.50	1.213	0.184	/
	DSI5			Right Edge	10	376000	1880	1	1	-0.01	0.058	20.66	21.50	1.213	0.070	/
	DSI5			Bottom Edge	10	376000	1880	1	1	0.01	0.529	20.66	21.50	1.213	0.642	/
	DSI5			Front Side	10	376000	1880	50	28	0.08	0.217	20.70	21.50	1.202	0.261	/
	DSI5			Back Side	10	376000	1880	50	28	0.15	0.333	20.70	21.50	1.202	0.400	/
	DSI5			Left Edge	10	376000	1880	50	28	0.03	0.142	20.70	21.50	1.202	0.171	/
	DSI5			Right Edge	10	376000	1880	50	28	0.04	0.052	20.70	21.50	1.202	0.063	/
	DSI5			Bottom Edge	10	376000	1880	50	28	-0.14	0.465	20.70	21.50	1.202	0.559	/
Body(Sensor-1)																
Ant.4	DSI4	DFT-s-OFDM BPSK	SA	Front Side	9	372000	1860	1	1	0.10	0.418	24.31	24.50	1.045	0.437	/
	DSI4			Back Side	16	372000	1860	1	1	-0.09	0.394	24.31	24.50	1.045	0.412	/
	DSI4			Left Edge	7	372000	1860	1	1	0.01	0.051	24.31	24.50	1.045	0.053	/
	DSI4			Top Edge	16	372000	1860	1	1	0.01	0.678	24.31	24.50	1.045	0.709	/
	DSI4			Front Side	9	372000	1860	50	28	-0.08	0.305	24.44	25.50	1.276	0.389	/
	DSI4			Back Side	16	372000	1860	50	28	0.01	0.396	24.44	25.50	1.276	0.505	/
	DSI4			Left Edge	7	372000	1860	50	28	-0.04	0.041	24.44	25.50	1.276	0.052	/
	DSI4			Top Edge	16	372000	1860	50	28	0.03	0.514	24.44	25.50	1.276	0.656	/
Ant.1	DSI4	DFT-s-OFDM BPSK	SA	Front Side	9	380000	1900	1	1	0.03	0.330	24.70	26.00	1.349	0.445	/
	DSI4			Back Side	16	380000	1900	1	1	-0.01	0.329	24.70	26.00	1.349	0.444	/
	DSI4			Bottom Edge	16	380000	1900	1	1	0.02	0.390	24.70	26.00	1.349	0.526	/
	DSI4			Front Side	9	380000	1900	50	28	0.10	0.372	24.68	26.00	1.355	0.504	/
	DSI4			Back Side	16	380000	1900	50	28	-0.01	0.304	24.68	26.00	1.355	0.412	/
	DSI4			Bottom Edge	16	380000	1900	50	28	0.13	0.306	24.68	26.00	1.355	0.415	/

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.4	DSI3	DFT-s-OFDM BPSK	SA	Front Side	0	376000	1880	1	104	-0.10	0.912	18.07	19.00	1.239	1.130	/
	DSI3			Back Side	0	376000	1880	1	104	0.08	1.040	18.07	19.00	1.239	1.289	/
	DSI3			Top Edge	0	376000	1880	1	104	0.14	1.780	18.07	19.00	1.239	2.205	/
	DSI3			Front Side	0	372000	1860	50	56	-0.12	0.770	18.20	19.00	1.202	0.926	/
	DSI3			Back Side	0	372000	1860	50	56	-0.13	0.895	18.20	19.00	1.202	1.076	/
	DSI3			Top Edge	0	372000	1860	50	56	-0.01	1.540	18.20	19.00	1.202	1.851	/
	DSI3			Top Edge	0	372000	1860	1	104	-0.01	1.790	17.94	19.00	1.276	**2.284**	76#
	DSI3			Top Edge	0	380000	1900	1	53	0.03	1.690	17.99	19.00	1.262	2.133	/
	DSI3			Top Edge	0	376000	1880	50	0	0.08	1.530	18.19	19.00	1.205	1.844	/
	DSI3			Top Edge	0	380000	1900	50	56	0.10	1.440	18.11	19.00	1.227	1.767	/
	DSI3			Top Edge	0	376000	1880	100	0	0.14	1.500	18.10	19.00	1.230	1.845	/
Ant.1	DSI2	DFT-s-OFDM BPSK	SA	Back Side	0	376000	1880	1	53	-0.12	1.140	21.68	22.50	1.208	1.377	/
	DSI2			Bottom Edge	0	376000	1880	1	53	-0.05	1.200	21.68	22.50	1.208	1.450	/
	DSI2			Back Side	0	376000	1880	50	0	-0.15	1.040	21.68	22.50	1.208	1.256	/
	DSI2			Bottom Edge	0	376000	1880	50	0	-0.06	1.080	21.68	22.50	1.208	1.305	/

11.23 5G 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.4	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	166800	834	1	104	-0.10	0.519	22.15	22.50	1.084	0.563	/
	DSI1			Left Tilt	0	166800	834	1	104	-0.10	0.490	22.15	22.50	1.084	0.531	/
	DSI1			Right Cheek	0	166800	834	1	104	-0.03	0.745	22.15	22.50	1.084	0.808	/
	DSI1			Right Tilt	0	166800	834	1	104	0.06	0.539	22.15	22.50	1.084	0.584	/
	DSI1			Left Cheek	0	167800	839	50	0	-0.09	0.513	21.95	22.50	1.135	0.582	/
	DSI1			Left Tilt	0	167800	839	50	0	0.09	0.477	21.95	22.50	1.135	0.541	/
	DSI1			Right Cheek	0	167800	839	50	0	-0.05	0.719	21.95	22.50	1.135	0.816	/
	DSI1			Right Tilt	0	167800	839	50	0	0.02	0.520	21.95	22.50	1.135	0.590	/
	DSI1			Right Cheek	0	167300	836.5	1	104	0.14	0.740	22.14	22.50	1.086	0.804	/
	DSI1			Right Cheek	0	167800	839	1	53	-0.03	0.746	21.88	22.50	1.153	**0.860**	77#
	DSI1			Right Cheek	0	166800	834	50	0	-0.10	0.693	21.61	22.50	1.227	0.850	/
	DSI1			Right Cheek	0	167300	836.5	50	0	0.07	0.635	21.71	22.50	1.199	0.761	/
	DSI1			Right Cheek	0	167800	839	100	0	0.09	0.658	22.10	22.50	1.096	0.721	/
Ant.1	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	166800	834	1	1	0.07	0.083	24.76	25.50	1.186	0.098	/
	DSI1			Left Tilt	0	166800	834	1	1	-0.09	0.046	24.76	25.50	1.186	0.055	/
	DSI1			Right Cheek	0	166800	834	1	1	-0.13	0.085	24.76	25.50	1.186	0.101	/
	DSI1			Right Tilt	0	166800	834	1	1	-0.05	0.043	24.76	25.50	1.186	0.051	/
	DSI1			Left Cheek	0	167300	836.5	50	28	0.04	0.073	24.45	25.50	1.274	0.093	/
	DSI1			Left Tilt	0	167300	836.5	50	28	-0.11	0.041	24.45	25.50	1.274	0.052	/
	DSI1			Right Cheek	0	167300	836.5	50	28	0.15	0.086	24.45	25.50	1.274	0.110	/
	DSI1			Right Tilt	0	167300	836.5	50	28	0.06	0.042	24.45	25.50	1.274	0.054	/
Body-worn																
Ant.4	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	167300	836.5	1	1	-0.14	0.134	24.95	25.50	1.135	0.152	/
	DSI3			Back Side	15	167300	836.5	1	1	-0.01	0.183	24.95	25.50	1.135	**0.208**	78#
	DSI4			Front Side	15	167800	839	50	28	-0.08	0.124	24.91	25.50	1.146	0.142	/
	DSI3			Back Side	15	167800	839	50	28	-0.12	0.167	24.91	25.50	1.146	0.191	/
Ant.1	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	166800	834	1	1	0.07	0.055	24.76	25.50	1.186	0.065	/
	DSI2			Back Side	15	166800	834	1	1	0.05	0.089	24.76	25.50	1.186	0.106	/
	DSI4			Front Side	15	167300	836.5	50	28	-0.11	0.049	24.45	25.50	1.274	0.062	/
	DSI2			Back Side	15	167300	836.5	50	28	-0.06	0.081	24.45	25.50	1.274	0.103	/
Hotspot																
Ant.4	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	166800	834	1	104	0.09	0.262	22.15	22.50	1.084	0.284	/
	DSI5			Back Side	10	166800	834	1	104	-0.01	0.384	22.15	22.50	1.084	**0.416**	79#
	DSI5			Left Edge	10	166800	834	1	104	-0.09	0.125	22.15	22.50	1.084	0.136	/
	DSI5			Top Edge	10	166800	834	1	104	-0.12	0.235	22.15	22.50	1.084	0.255	/
	DSI5			Front Side	10	167800	839	50	0	-0.06	0.245	21.95	22.50	1.135	0.278	/

	DSI5			Back Side	10	167800	839	50	0	0.03	0.360	21.95	22.50	1.135	0.409	/
	DSI5			Left Edge	10	167800	839	50	0	0.01	0.104	21.95	22.50	1.135	0.118	/
	DSI5			Top Edge	10	167800	839	50	0	-0.07	0.211	21.95	22.50	1.135	0.239	/
Ant.1	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	166800	834	1	1	-0.10	0.180	24.76	25.50	1.186	0.213	/
	DSI5			Back Side	10	166800	834	1	1	0.06	0.300	24.76	25.50	1.186	0.356	/
	DSI5			Left Edge	10	166800	834	1	1	0.03	0.099	24.76	25.50	1.186	0.117	/
	DSI5			Right Edge	10	166800	834	1	1	0.03	0.136	24.76	25.50	1.186	0.161	/
	DSI5			Bottom Edge	10	166800	834	1	1	-0.04	0.220	24.76	25.50	1.186	0.261	/
	DSI5			Front Side	10	167300	836.5	50	28	-0.03	0.166	24.45	25.50	1.274	0.211	/
	DSI5			Back Side	10	167300	836.5	50	28	0.08	0.286	24.45	25.50	1.274	0.364	/
	DSI5			Left Edge	10	167300	836.5	50	28	0.05	0.088	24.45	25.50	1.274	0.112	/
	DSI5			Right Edge	10	167300	836.5	50	28	-0.11	0.122	24.45	25.50	1.274	0.155	/
	DSI5			Bottom Edge	10	167300	836.5	50	28	-0.05	0.194	24.45	25.50	1.274	0.247	/

11.24 5G 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.4	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	502000	2510	1	53	-0.09	0.499	19.32	20.00	1.169	0.583	/
	DSI1			Left Tilt	0	502000	2510	1	53	-0.09	0.571	19.32	20.00	1.169	0.667	/
	DSI1			Right Cheek	0	502000	2510	1	53	0.05	0.745	19.32	20.00	1.169	0.871	/
	DSI1			Right Tilt	0	502000	2510	1	53	0.03	0.920	19.32	20.00	1.169	**1.075**	80#
	DSI1			Left Cheek	0	507000	2535	50	28	0.08	0.460	19.35	20.00	1.161	0.534	/
	DSI1			Left Tilt	0	507000	2535	50	28	-0.11	0.506	19.35	20.00	1.161	0.587	/
	DSI1			Right Cheek	0	507000	2535	50	28	0.05	0.812	19.35	20.00	1.161	0.943	/
	DSI1			Right Tilt	0	507000	2535	50	28	0.03	0.809	19.35	20.00	1.161	0.939	/
	DSI1			Right Cheek	0	507000	2535	1	104	0.06	0.656	19.34	20.00	1.164	0.764	/
	DSI1			Right Cheek	0	512000	2560	1	1	-0.01	0.639	19.28	20.00	1.180	0.754	/
	DSI1			Right Cheek	0	502000	2510	50	28	0.04	0.642	19.32	20.00	1.169	0.750	/
	DSI1			Right Cheek	0	512000	2560	50	28	0.10	0.641	19.28	20.00	1.180	0.756	/
	DSI1			Right Cheek	0	512000	2560	100	0	-0.07	0.638	19.35	20.00	1.161	0.741	/
	DSI1			Right Tilt	0	507000	2535	1	104	-0.11	0.821	19.34	20.00	1.164	0.956	/
	DSI1			Right Tilt	0	512000	2560	1	1	-0.07	0.802	19.28	20.00	1.180	0.946	/
	DSI1			Right Tilt	0	502000	2510	50	28	-0.12	0.811	19.32	20.00	1.169	0.948	/
	DSI1			Right Tilt	0	512000	2560	50	28	-0.03	0.811	19.28	20.00	1.180	0.957	/
	DSI1			Right Tilt	0	512000	2560	100	0	0.08	0.810	19.35	20.00	1.161	0.940	/
Ant.1	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	502000	2510	1	53	0.14	0.131	24.66	25.50	1.213	0.159	/
	DSI1			Left Tilt	0	502000	2510	1	53	-0.11	0.049	24.66	25.50	1.213	0.059	/
	DSI1			Right Cheek	0	502000	2510	1	53	-0.01	0.136	24.66	25.50	1.213	0.165	/
	DSI1			Right Tilt	0	502000	2510	1	53	0.09	0.045	24.66	25.50	1.213	0.055	/
	DSI1			Left Cheek	0	512000	2560	50	28	0.03	0.130	24.57	25.50	1.239	0.161	/
	DSI1			Left Tilt	0	512000	2560	50	28	0.04	0.048	24.57	25.50	1.239	0.059	/
	DSI1			Right Cheek	0	512000	2560	50	28	0.00	0.133	24.57	25.50	1.239	0.165	/
	DSI1			Right Tilt	0	512000	2560	50	28	-0.12	0.048	24.57	25.50	1.239	0.059	/
Body-worn																
Ant.4	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	512000	2560	1	104	0.12	0.142	24.00	25.50	1.413	0.201	/
	DSI3			Back Side	15	512000	2560	1	104	-0.01	0.179	18.82	19.50	1.169	0.209	/
	DSI4			Front Side	15	512000	2560	50	28	-0.12	0.140	24.06	25.50	1.393	0.195	/
	DSI3			Back Side	15	502000	2510	50	28	-0.04	0.170	18.89	19.50	1.151	0.196	/
Ant.1	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	502000	2510	1	53	0.10	0.215	24.66	25.50	1.213	0.261	/
	DSI2			Back Side	15	507000	2535	1	104	-0.05	0.272	20.13	21.00	1.222	0.332	/
	DSI4			Front Side	15	512000	2560	50	28	0.06	0.208	24.57	25.50	1.239	0.258	/
	DSI2			Back Side	15	502000	2510	50	0	-0.17	0.341	20.13	21.00	1.222	**0.417**	81#
Hotspot																

Ant.4	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	512000	2560	1	104	-0.02	0.103	18.82	19.50	1.169	0.120	/
	DSI5			Back Side	10	512000	2560	1	104	0.06	0.166	18.82	19.50	1.169	0.194	/
	DSI5			Left Edge	10	512000	2560	1	104	-0.03	0.082	18.82	19.50	1.169	0.096	/
	DSI5			Top Edge	10	512000	2560	1	104	0.01	0.322	18.82	19.50	1.169	0.376	/
	DSI5			Front Side	10	502000	2510	50	28	-0.08	0.098	18.89	19.50	1.151	0.113	/
	DSI5			Back Side	10	502000	2510	50	28	-0.01	0.158	18.89	19.50	1.151	0.182	/
	DSI5			Left Edge	10	502000	2510	50	28	0.13	0.076	18.89	19.50	1.151	0.087	/
	DSI5			Top Edge	10	502000	2510	50	28	0.05	0.291	18.89	19.50	1.151	0.335	/
Ant.1	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	512000	2560	1	104	-0.12	0.143	19.14	20.00	1.219	0.174	/
	DSI5			Back Side	10	512000	2560	1	104	-0.15	0.206	19.14	20.00	1.219	0.251	/
	DSI5			Left Edge	10	512000	2560	1	104	-0.15	0.017	19.14	20.00	1.219	0.021	/
	DSI5			Right Edge	10	512000	2560	1	104	0.09	0.028	19.14	20.00	1.219	0.034	/
	DSI5			Bottom Edge	10	512000	2560	1	104	-0.02	0.512	19.14	20.00	1.219	0.624	/
	DSI5			Front Side	10	502000	2510	50	0	0.10	0.147	19.15	20.00	1.216	0.179	/
	DSI5			Back Side	10	502000	2510	50	0	0.11	0.210	19.15	20.00	1.216	0.255	/
	DSI5			Left Edge	10	502000	2510	50	0	0.01	0.019	19.15	20.00	1.216	0.023	/
	DSI5			Right Edge	10	502000	2510	50	0	-0.11	0.026	19.15	20.00	1.216	0.032	/
	DSI5			Bottom Edge	10	502000	2510	50	0	0.04	0.595	19.38	20.00	1.153	**0.686**	82#
Body(Sensor-1)																
Ant.4	DSI4	DFT-s-OFDM BPSK	SA	Front Side	9	512000	2560	1	104	0.09	0.221	24.00	25.50	1.413	0.312	/
	DSI4			Back Side	16	512000	2560	1	104	-0.10	0.270	24.00	25.50	1.413	0.382	/
	DSI4			Left Edge	7	512000	2560	1	104	0.04	0.399	24.00	25.50	1.413	0.564	/
	DSI4			Top Edge	16	512000	2560	1	104	-0.11	0.372	24.00	25.50	1.413	0.526	/
	DSI4			Front Side	9	512000	2560	50	28	-0.10	0.166	24.06	25.50	1.393	0.231	/
	DSI4			Back Side	16	512000	2560	50	28	-0.03	0.246	24.06	25.50	1.393	0.343	/
	DSI4			Left Edge	7	512000	2560	50	28	-0.08	0.339	24.06	25.50	1.393	0.472	/
	DSI4			Top Edge	16	512000	2560	50	28	-0.08	0.432	24.06	25.50	1.393	0.602	/
Ant.1	DSI4	DFT-s-OFDM BPSK	SA	Front Side	9	502000	2510	1	53	0.04	0.342	24.66	25.50	1.213	0.415	/
	DSI4			Back Side	16	502000	2510	1	53	0.05	0.326	24.66	25.50	1.213	0.395	/
	DSI4			Bottom Edge	16	502000	2510	1	53	0.12	0.499	24.66	25.50	1.213	0.605	/
	DSI4			Front Side	9	512000	2560	50	28	-0.06	0.296	24.57	25.50	1.239	0.367	/
	DSI4			Back Side	16	512000	2560	50	28	0.06	0.246	24.57	25.50	1.239	0.305	/
	DSI4			Bottom Edge	16	512000	2560	50	28	0.00	0.342	24.57	25.50	1.239	0.424	/

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.4	DSI3	DFT-s-OFDM BPSK	SA	Top Edge	0	512000	2560	1	104	-0.08	2.090	18.82	19.50	1.169	**2.443**	83#
	DSI3			Top Edge	0	502000	2510	50	28	-0.01	2.100	18.89	19.50	1.151	2.417	/
	DSI3			Top Edge	0	502000	2510	1	104	0.05	1.680	18.69	19.50	1.205	2.024	/
	DSI3			Top Edge	0	507000	2535	1	104	0.13	1.520	18.79	19.50	1.178	1.791	/
	DSI3			Top Edge	0	502000	2510	50	0	-0.07	1.870	18.88	19.50	1.153	2.156	/
	DSI3			Top Edge	0	512000	2560	50	28	0.08	1.820	18.62	19.50	1.225	2.230	/
	DSI3			Top Edge	0	502000	2510	100	0	-0.03	1.950	18.84	19.50	1.164	2.270	/
Ant.1	DSI2	DFT-s-OFDM BPSK	SA	Bottom Edge	0	507000	2535	1	104	0.04	1.590	20.13	21.00	1.222	1.943	/
	DSI2			Bottom Edge	0	502000	2510	50	0	0.15	1.560	20.13	21.00	1.222	1.906	/

11.25 5G n12 (15MHz 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.4	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	141500	707.5	1	40	0.14	0.560	24.39	25.50	1.291	0.723	/
	DSI1			Left Tilt	0	141500	707.5	1	40	0.07	0.531	24.39	25.50	1.291	0.686	/
	DSI1			Right Cheek	0	141500	707.5	1	40	-0.01	0.820	24.39	25.50	1.291	**1.059**	84#
	DSI1			Right Tilt	0	141500	707.5	1	40	-0.08	0.614	24.39	25.50	1.291	0.793	/
	DSI1			Left Cheek	0	141700	708.5	36	22	-0.14	0.585	24.26	25.50	1.330	0.778	/
	DSI1			Left Tilt	0	141700	708.5	36	22	-0.09	0.549	24.26	25.50	1.330	0.730	/
	DSI1			Right Cheek	0	141700	708.5	36	22	-0.14	0.795	24.26	25.50	1.330	1.057	/
	DSI1			Right Tilt	0	141700	708.5	36	22	0.14	0.596	24.26	25.50	1.330	0.793	/
	DSI1			Right Cheek	0	141300	706.5	1	1	0.09	0.732	24.36	25.50	1.300	0.952	/
	DSI1			Right Cheek	0	141700	708.5	1	40	0.12	0.769	24.35	25.50	1.303	1.002	/
	DSI1			Right Cheek	0	141300	706.5	36	22	-0.13	0.763	24.17	25.50	1.358	1.036	/
	DSI1			Right Cheek	0	141500	707.5	36	22	0.05	0.736	24.21	25.50	1.346	0.991	/
	DSI1			Right Cheek	0	141300	706.5	75	0	-0.02	0.643	23.49	24.50	1.262	0.811	/
Ant.1	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	141300	706.5	1	40	-0.07	0.097	24.70	25.50	1.202	0.117	/
	DSI1			Left Tilt	0	141300	706.5	1	40	0.14	0.050	24.70	25.50	1.202	0.060	/
	DSI1			Right Cheek	0	141300	706.5	1	40	0.04	0.089	24.70	25.50	1.202	0.107	/
	DSI1			Right Tilt	0	141300	706.5	1	40	-0.09	0.046	24.70	25.50	1.202	0.055	/
	DSI1			Left Cheek	0	141500	707.5	36	22	-0.03	0.088	24.60	25.50	1.230	0.108	/
	DSI1			Left Tilt	0	141500	707.5	36	22	0.08	0.045	24.60	25.50	1.230	0.055	/
	DSI1			Right Cheek	0	141500	707.5	36	22	-0.02	0.091	24.60	25.50	1.230	0.112	/
	DSI1			Right Tilt	0	141500	707.5	36	22	0.15	0.046	24.60	25.50	1.230	0.057	/
Body-worn																
Ant.4	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	141500	707.5	1	40	-0.05	0.100	24.39	25.50	1.291	0.129	/
	DSI3			Back Side	15	141500	707.5	1	40	0.03	0.136	24.39	25.50	1.291	**0.176**	85#
	DSI4			Front Side	15	141700	708.5	36	22	-0.14	0.093	24.26	25.50	1.330	0.124	/
	DSI3			Back Side	15	141700	708.5	36	22	0.01	0.124	24.26	25.50	1.330	0.165	/
Ant.1	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	141300	706.5	1	40	0.06	0.044	24.70	25.50	1.202	0.053	/
	DSI2			Back Side	15	141300	706.5	1	40	-0.11	0.077	24.70	25.50	1.202	0.093	/
	DSI4			Front Side	15	141500	707.5	36	22	-0.15	0.037	24.60	25.50	1.230	0.046	/
	DSI2			Back Side	15	141500	707.5	36	22	0.04	0.068	24.60	25.50	1.230	0.084	/
Hotspot																
Ant.4	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	141500	707.5	1	40	0.07	0.165	24.39	25.50	1.291	0.213	/
	DSI5			Back Side	10	141500	707.5	1	40	-0.02	0.244	24.39	25.50	1.291	**0.315**	86#
	DSI5			Left Edge	10	141500	707.5	1	40	0.08	0.119	24.39	25.50	1.291	0.154	/
	DSI5			Top Edge	10	141500	707.5	1	40	0.09	0.142	24.39	25.50	1.291	0.183	/
	DSI5			Front Side	10	141700	708.5	36	22	-0.15	0.156	24.26	25.50	1.330	0.207	/

	DSI5			Back Side	10	141700	708.5	36	22	-0.07	0.236	24.26	25.50	1.330	0.314	/
	DSI5			Left Edge	10	141700	708.5	36	22	0.06	0.076	24.26	25.50	1.330	0.101	/
	DSI5			Top Edge	10	141700	708.5	36	22	-0.10	0.127	24.26	25.50	1.330	0.169	/
Ant.1	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	141300	706.5	1	40	-0.08	0.125	24.70	25.50	1.202	0.150	/
	DSI5			Back Side	10	141300	706.5	1	40	0.04	0.187	24.70	25.50	1.202	0.225	/
	DSI5			Left Edge	10	141300	706.5	1	40	-0.13	0.129	24.70	25.50	1.202	0.155	/
	DSI5			Right Edge	10	141300	706.5	1	40	0.03	0.181	24.70	25.50	1.202	0.218	/
	DSI5			Bottom Edge	10	141300	706.5	1	40	-0.05	0.133	24.70	25.50	1.202	0.160	/
	DSI5			Front Side	10	141500	707.5	36	22	0.06	0.064	24.60	25.50	1.230	0.079	/
	DSI5			Back Side	10	141500	707.5	36	22	-0.14	0.141	24.60	25.50	1.230	0.173	/
	DSI5			Left Edge	10	141500	707.5	36	22	-0.10	0.043	24.60	25.50	1.230	0.053	/
	DSI5			Right Edge	10	141500	707.5	36	22	-0.12	0.106	24.60	25.50	1.230	0.130	/
	DSI5			Bottom Edge	10	141500	707.5	36	22	0.11	0.123	24.60	25.50	1.230	0.151	/

11.26 5G 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.4	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	166300	831.5	1	53	0.01	0.641	22.96	23.50	1.132	0.726	/
	DSI1			Left Tilt	0	166300	831.5	1	53	-0.13	0.584	22.96	23.50	1.132	0.661	/
	DSI1			Right Cheek	0	166300	831.5	1	53	-0.04	0.924	22.96	23.50	1.132	**1.046**	87#
	DSI1			Right Tilt	0	166300	831.5	1	53	0.12	0.700	22.96	23.50	1.132	0.792	/
	DSI1			Left Cheek	0	164800	824	50	28	-0.10	0.635	22.82	23.50	1.169	0.742	/
	DSI1			Left Tilt	0	164800	824	50	28	-0.10	0.590	22.82	23.50	1.169	0.690	/
	DSI1			Right Cheek	0	164800	824	50	28	0.01	0.861	22.82	23.50	1.169	1.007	/
	DSI1			Right Tilt	0	164800	824	50	28	0.04	0.680	22.82	23.50	1.169	0.795	/
	DSI1			Right Cheek	0	164800	824	1	104	0.04	0.889	22.95	23.50	1.135	1.009	/
	DSI1			Right Cheek	0	167800	839	1	1	0.06	0.791	22.96	23.50	1.132	0.895	/
	DSI1			Right Cheek	0	166300	831.5	50	28	0.10	0.707	22.66	23.50	1.213	0.858	/
	DSI1			Right Cheek	0	167800	839	50	56	-0.12	0.721	22.75	23.50	1.189	0.857	/
	DSI1			Right Cheek	0	167800	839	100	0	-0.07	0.676	22.97	23.50	1.130	0.764	/
Ant.1	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	166300	831.5	1	53	-0.12	0.079	24.58	25.50	1.236	0.098	/
	DSI1			Left Tilt	0	166300	831.5	1	53	-0.15	0.045	24.58	25.50	1.236	0.056	/
	DSI1			Right Cheek	0	166300	831.5	1	53	0.13	0.079	24.58	25.50	1.236	0.098	/
	DSI1			Right Tilt	0	166300	831.5	1	53	0.10	0.042	24.58	25.50	1.236	0.052	/
	DSI1			Left Cheek	0	167800	839	50	28	-0.12	0.074	24.68	25.50	1.208	0.089	/
	DSI1			Left Tilt	0	167800	839	50	28	0.10	0.042	24.68	25.50	1.208	0.051	/
	DSI1			Right Cheek	0	167800	839	50	28	0.07	0.079	24.68	25.50	1.208	0.095	/
	DSI1			Right Tilt	0	167800	839	50	28	-0.07	0.044	24.68	25.50	1.208	0.053	/
Body-worn																
Ant.4	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	166300	831.5	1	53	-0.14	0.112	24.90	25.50	1.148	0.129	/
	DSI3			Back Side	15	166300	831.5	1	53	-0.04	0.155	24.90	25.50	1.148	**0.178**	88#
	DSI4			Front Side	15	164800	824	50	28	0.06	0.109	24.87	25.50	1.156	0.126	/
	DSI3			Back Side	15	164800	824	50	28	0.05	0.149	24.87	25.50	1.156	0.172	/
Ant.1	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	166300	831.5	1	53	-0.09	0.054	24.58	25.50	1.236	0.067	/
	DSI2			Back Side	15	166300	831.5	1	53	-0.08	0.086	24.58	25.50	1.236	0.106	/
	DSI4			Front Side	15	167800	839	50	28	0.13	0.047	24.68	25.50	1.208	0.057	/
	DSI2			Back Side	15	167800	839	50	28	0.09	0.081	24.68	25.50	1.208	0.098	/
Hotspot																
Ant.4	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	166300	831.5	1	53	-0.02	0.222	24.90	25.50	1.148	0.255	/
	DSI5			Back Side	10	166300	831.5	1	53	0.13	0.347	24.90	25.50	1.148	0.398	/
	DSI5			Left Edge	10	166300	831.5	1	53	0.14	0.123	24.90	25.50	1.148	0.141	/
	DSI5			Top Edge	10	166300	831.5	1	53	0.06	0.220	24.90	25.50	1.148	0.253	/
	DSI5			Front Side	10	164800	824	50	28	-0.12	0.218	24.87	25.50	1.156	0.252	/

	DSI5			Back Side	10	164800	824	50	28	-0.01	0.349	24.87	25.50	1.156	**0.403**	89#
	DSI5			Left Edge	10	164800	824	50	28	-0.03	0.097	24.87	25.50	1.156	0.112	/
	DSI5			Top Edge	10	164800	824	50	28	0.15	0.203	24.87	25.50	1.156	0.235	/
Ant.1	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	166300	831.5	1	53	0.10	0.105	24.58	25.50	1.236	0.130	/
	DSI5			Back Side	10	166300	831.5	1	53	0.01	0.182	24.58	25.50	1.236	0.225	/
	DSI5			Left Edge	10	166300	831.5	1	53	-0.15	0.055	24.58	25.50	1.236	0.068	/
	DSI5			Right Edge	10	166300	831.5	1	53	-0.05	0.079	24.58	25.50	1.236	0.098	/
	DSI5			Bottom Edge	10	166300	831.5	1	53	-0.02	0.146	24.58	25.50	1.236	0.180	/
	DSI5			Front Side	10	167800	839	50	28	0.14	0.050	24.68	25.50	1.208	0.060	/
	DSI5			Back Side	10	167800	839	50	28	0.08	0.108	24.68	25.50	1.208	0.130	/
	DSI5			Left Edge	10	167800	839	50	28	-0.14	0.050	24.68	25.50	1.208	0.060	/
	DSI5			Right Edge	10	167800	839	50	28	-0.01	0.071	24.68	25.50	1.208	0.086	/
	DSI5			Bottom Edge	10	167800	839	50	28	0.03	0.116	24.68	25.50	1.208	0.140	/

11.27 5G 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.4	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	346000	1730	1	108	-0.12	0.423	15.91	16.50	1.146	0.485	/
	DSI1			Left Tilt	0	346000	1730	1	108	-0.05	0.482	15.91	16.50	1.146	0.552	/
	DSI1			Right Cheek	0	346000	1730	1	108	0.03	0.850	15.91	16.50	1.146	**0.974**	90#
	DSI1			Right Tilt	0	346000	1730	1	108	-0.13	0.596	15.91	16.50	1.146	0.683	/
	DSI1			Left Cheek	0	349000	1745	108	54	0.08	0.407	15.82	16.50	1.169	0.476	/
	DSI1			Left Tilt	0	349000	1745	108	54	-0.13	0.464	15.82	16.50	1.169	0.542	/
	DSI1			Right Cheek	0	349000	1745	108	54	-0.06	0.817	15.82	16.50	1.169	0.955	/
	DSI1			Right Tilt	0	349000	1745	108	54	0.06	0.574	15.82	16.50	1.169	0.671	/
	DSI1			Right Cheek	0	349000	1745	1	214	0.15	0.784	15.85	16.50	1.161	0.910	/
	DSI1			Right Cheek	0	352000	1760	1	214	0.11	0.811	15.84	16.50	1.164	0.944	/
	DSI1			Right Cheek	0	346000	1730	108	0	0.09	0.751	15.79	16.50	1.178	0.885	/
	DSI1			Right Cheek	0	352000	1760	108	0	0.05	0.778	15.80	16.50	1.175	0.914	/
	DSI1			Right Cheek	0	352000	1760	216	0	0.02	0.745	15.82	16.50	1.169	0.871	/
Ant.3	DSI1	DFT-s-OFDM BPSK	NSA	Left Cheek	0	346000	1730	1	1	0.12	0.359	24.53	26.00	1.403	0.504	/
	DSI1			Left Tilt	0	346000	1730	1	1	-0.10	0.196	24.53	26.00	1.403	0.275	/
	DSI1			Right Cheek	0	346000	1730	1	1	0.09	0.421	24.53	26.00	1.403	0.591	/
	DSI1			Right Tilt	0	346000	1730	1	1	0.11	0.358	24.53	26.00	1.403	0.502	/
	DSI1			Left Cheek	0	346000	1730	108	54	0.12	0.280	24.57	26.00	1.390	0.389	/
	DSI1			Left Tilt	0	346000	1730	108	54	0.02	0.168	24.57	26.00	1.390	0.234	/
	DSI1			Right Cheek	0	346000	1730	108	54	-0.01	0.362	24.57	26.00	1.390	0.503	/
	DSI1			Right Tilt	0	346000	1730	108	54	0.00	0.273	24.57	26.00	1.390	0.379	/
Ant.1	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	346000	1730	1	214	0.08	0.131	24.78	25.50	1.180	0.155	/
	DSI1			Left Tilt	0	346000	1730	1	214	-0.04	0.049	24.78	25.50	1.180	0.058	/
	DSI1			Right Cheek	0	346000	1730	1	214	-0.12	0.136	24.78	25.50	1.180	0.160	/
	DSI1			Right Tilt	0	346000	1730	1	214	0.12	0.049	24.78	25.50	1.180	0.058	/
	DSI1			Left Cheek	0	352000	1760	108	0	-0.11	0.126	23.74	25.00	1.337	0.168	/
	DSI1			Left Tilt	0	352000	1760	108	0	-0.03	0.047	23.74	25.00	1.337	0.063	/
	DSI1			Right Cheek	0	352000	1760	108	0	0.15	0.133	23.74	25.00	1.337	0.178	/
	DSI1			Right Tilt	0	352000	1760	108	0	0.01	0.048	23.74	25.00	1.337	0.064	/
Body-worn																
Ant.4	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	346000	1730	1	1	-0.12	0.241	22.58	23.50	1.236	0.298	/
	DSI3			Back Side	15	349000	1745	1	214	0.02	0.357	18.30	19.00	1.175	**0.419**	91#
	DSI4			Front Side	15	346000	1730	108	54	0.14	0.237	22.54	23.50	1.247	0.296	/
	DSI3			Back Side	15	349000	1745	108	54	-0.01	0.346	18.34	19.00	1.164	0.403	/
Ant.3	DSI4		NSA	Front Side	15	346000	1730	1	1	0.08	0.102	24.53	26.00	1.403	0.143	/
	DSI3			Back Side	15	349000	1745	1	1	-0.07	0.239	22.70	23.50	1.202	0.287	/

	DSI4	DFT-s-OFDM BPSK		Front Side	15	346000	1730	108	54	0.07	0.110	24.57	26.00	1.390	0.153	/
	DSI3			Back Side	15	346000	1730	108	54	-0.12	0.239	22.59	23.50	1.233	0.295	/
Ant.1	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	346000	1730	1	214	0.07	0.218	24.78	25.50	1.180	0.257	/
	DSI2			Back Side	15	346000	1730	1	1	0.15	0.143	21.64	22.50	1.219	0.174	/
	DSI4			Front Side	15	352000	1760	108	0	0.04	0.214	23.74	25.00	1.337	0.286	/
	DSI2			Back Side	15	346000	1730	108	0	0.09	0.163	21.58	22.50	1.236	0.201	/
Hotspot																
Ant.4	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	346000	1730	1	108	-0.13	0.216	15.91	16.50	1.146	0.248	/
	DSI5			Back Side	10	346000	1730	1	108	0.04	0.325	15.91	16.50	1.146	0.372	/
	DSI5			Left Edge	10	346000	1730	1	108	0.07	0.021	15.91	16.50	1.146	0.024	/
	DSI5			Top Edge	10	346000	1730	1	108	0.02	0.457	15.91	16.50	1.146	0.524	/
	DSI5			Front Side	10	349000	1745	108	54	0.02	0.221	15.82	16.50	1.169	0.258	/
	DSI5			Back Side	10	349000	1745	108	54	-0.10	0.442	15.82	16.50	1.169	0.517	/
	DSI5			Left Edge	10	349000	1745	108	54	-0.13	0.021	15.82	16.50	1.169	0.025	/
	DSI5			Top Edge	10	349000	1745	108	54	-0.11	0.444	15.82	16.50	1.169	0.519	/
Ant.3	DSI5	DFT-s-OFDM BPSK	NSA	Front Side	10	349000	1745	1	1	0.08	0.165	22.70	23.50	1.202	0.198	/
	DSI5			Back Side	10	349000	1745	1	1	0.09	0.423	22.70	23.50	1.202	0.508	/
	DSI5			Left Edge	10	349000	1745	1	1	0.03	0.436	22.70	23.50	1.202	0.524	/
	DSI5			Front Side	10	346000	1730	108	54	0.13	0.162	22.59	23.50	1.233	0.200	/
	DSI5			Back Side	10	346000	1730	108	54	0.09	0.430	22.59	23.50	1.233	0.530	/
	DSI5			Left Edge	10	346000	1730	108	54	-0.10	0.428	22.59	23.50	1.233	0.528	/
Ant.1	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	349000	1745	1	214	-0.05	0.122	20.63	21.50	1.222	0.149	/
	DSI5			Back Side	10	349000	1745	1	214	0.03	0.230	20.63	21.50	1.222	0.281	/
	DSI5			Left Edge	10	349000	1745	1	214	0.08	0.064	20.63	21.50	1.222	0.078	/
	DSI5			Right Edge	10	349000	1745	1	214	0.09	0.038	20.63	21.50	1.222	0.046	/
	DSI5			Bottom Edge	10	349000	1745	1	214	-0.10	0.413	20.63	21.50	1.222	0.505	/
	DSI5			Front Side	10	352000	1760	108	0	0.05	0.136	20.65	21.50	1.216	0.165	/
	DSI5			Back Side	10	352000	1760	108	0	0.11	0.234	20.65	21.50	1.216	0.285	/
	DSI5			Left Edge	10	352000	1760	108	0	-0.02	0.078	20.65	21.50	1.216	0.095	/
	DSI5			Right Edge	10	352000	1760	108	0	0.04	0.047	20.65	21.50	1.216	0.057	/
	DSI5			Bottom Edge	10	352000	1760	108	0	0.03	0.439	20.65	21.50	1.216	**0.534**	92#
Body(Sensor-1)																
Ant.4	DSI4	DFT-s-OFDM BPSK	SA	Front Side	9	346000	1730	1	1	-0.01	0.471	22.58	23.50	1.236	0.582	/
	DSI4			Back Side	16	346000	1730	1	1	-0.12	0.379	22.58	23.50	1.236	0.468	/
	DSI4			Left Edge	7	346000	1730	1	1	-0.04	0.045	22.58	23.50	1.236	0.056	/
	DSI4			Top Edge	16	346000	1730	1	1	-0.08	0.360	22.58	23.50	1.236	0.445	/
	DSI4			Front Side	9	346000	1730	108	54	0.11	0.453	22.54	23.50	1.247	0.565	/
	DSI4			Back Side	16	346000	1730	108	54	-0.12	0.355	22.54	23.50	1.247	0.443	/
	DSI4			Left Edge	7	346000	1730	108	54	0.00	0.049	22.54	23.50	1.247	0.061	/
	DSI4			Top Edge	16	346000	1730	108	54	0.03	0.347	22.54	23.50	1.247	0.433	/
Ant.3	DSI4		NSA	Front Side	9	346000	1730	1	1	0.03	0.191	24.53	26.00	1.403	0.268	/
	DSI4			Back Side	16	346000	1730	1	1	-0.12	0.183	24.53	26.00	1.403	0.257	/

	DSI4	DFT-s-OFDM BPSK		Left Edge	7	346000	1730	1	1	-0.08	0.564	24.53	26.00	1.403	0.791	/
	DSI4			Top Edge	16	346000	1730	1	1	-0.01	0.080	24.53	26.00	1.403	0.112	/
	DSI4			Front Side	9	346000	1730	108	54	0.07	0.233	24.57	26.00	1.390	0.324	/
	DSI4			Back Side	16	346000	1730	108	54	0.10	0.220	24.57	26.00	1.390	0.306	/
	DSI4			Left Edge	7	346000	1730	108	54	-0.03	0.573	24.57	26.00	1.390	0.796	/
	DSI4			Top Edge	16	346000	1730	108	54	0.11	0.065	24.57	26.00	1.390	0.090	/
Ant.1	DSI4	DFT-s-OFDM BPSK	SA	Front Side	9	346000	1730	1	214	-0.06	0.414	24.78	25.50	1.180	0.489	/
	DSI4			Back Side	16	346000	1730	1	214	0.05	0.361	24.78	25.50	1.180	0.426	/
	DSI4			Bottom Edge	16	346000	1730	1	214	0.07	0.429	24.78	25.50	1.180	0.506	/
	DSI4			Front Side	9	352000	1760	108	0	-0.02	0.409	23.74	25.00	1.337	0.547	/
	DSI4			Back Side	16	352000	1760	108	0	0.01	0.289	23.74	25.00	1.337	0.386	/
	DSI4			Bottom Edge	16	352000	1760	108	0	0.03	0.419	23.74	25.00	1.337	0.560	/

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.4	DSI3	DFT-s-OFDM BPSK	SA	Front Side	0	349000	1745	1	214	0.05	0.883	18.30	19.00	1.175	1.038	/
	DSI3			Back Side	0	349000	1745	1	214	-0.07	0.801	18.30	19.00	1.175	0.941	/
	DSI3			Top Edge	0	349000	1745	1	214	0.02	1.860	18.30	19.00	1.175	**2.186**	93#
	DSI3			Front Side	0	349000	1745	108	54	0.15	0.824	18.34	19.00	1.164	0.959	/
	DSI3			Back Side	0	349000	1745	108	54	-0.10	0.783	18.34	19.00	1.164	0.911	/
	DSI3			Top Edge	0	349000	1745	108	54	-0.11	1.710	18.34	19.00	1.164	1.990	/
	DSI3			Top Edge	0	346000	1730	1	214	-0.09	1.640	18.30	19.00	1.175	1.927	/
	DSI3			Top Edge	0	352000	1760	1	214	0.04	1.770	18.17	19.00	1.211	2.143	/
	DSI3			Top Edge	0	346000	1730	108	108	-0.03	1.050	18.24	19.00	1.191	1.251	/
	DSI3			Top Edge	0	352000	1760	108	108	0.15	1.550	18.26	19.00	1.186	1.838	/
	DSI3			Top Edge	0	346000	1730	100	0	0.09	1.710	18.30	19.00	1.175	2.009	/
Ant.1	DSI2	DFT-s-OFDM BPSK	SA	Bottom Edge	0	346000	1730	1	1	-0.01	1.710	21.64	22.50	1.219	2.084	/
	DSI2			Bottom Edge	0	346000	1730	108	0	0.04	1.660	21.58	22.50	1.236	2.052	/
	DSI2			Bottom Edge	0	349000	1745	1	1	0.02	1.580	21.58	22.50	1.236	1.953	/
	DSI2			Bottom Edge	0	352000	1760	1	108	-0.04	1.590	21.53	22.50	1.250	1.988	/
	DSI2			Bottom Edge	0	349000	1745	108	54	0.02	1.550	21.56	22.50	1.242	1.925	/
	DSI2			Bottom Edge	0	352000	1760	108	0	-0.07	1.610	21.53	22.50	1.250	2.013	/
	DSI2			Bottom Edge	0	346000	1730	216	0	0.11	1.670	21.63	22.50	1.222	2.041	/

11.28 5G n71 (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.4	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	136100	680.5	1	1	-0.01	0.397	24.30	25.50	1.318	0.523	/
	DSI1			Left Tilt	0	136100	680.5	1	1	-0.01	0.383	24.30	25.50	1.318	0.505	/
	DSI1			Right Cheek	0	136100	680.5	1	1	-0.11	0.690	24.30	25.50	1.318	**0.909**	94#
	DSI1			Right Tilt	0	136100	680.5	1	1	-0.12	0.269	24.30	25.50	1.318	0.355	/
	DSI1			Left Cheek	0	134600	673	50	28	0.10	0.365	24.29	25.50	1.321	0.482	/
	DSI1			Left Tilt	0	134600	673	50	28	0.02	0.350	24.29	25.50	1.321	0.462	/
	DSI1			Right Cheek	0	134600	673	50	28	-0.15	0.567	24.29	25.50	1.321	0.749	/
	DSI1			Right Tilt	0	134600	673	50	28	0.09	0.221	24.29	25.50	1.321	0.292	/
	DSI1			Right Cheek	0	134600	673	1	104	-0.10	0.660	24.30	25.50	1.318	0.870	/
	DSI1			Right Cheek	0	137600	688	1	53	-0.07	0.668	24.28	25.50	1.324	0.884	/
	DSI1			Right Cheek	0	136100	680.5	50	28	-0.02	0.543	24.20	25.50	1.349	0.733	/
	DSI1			Right Cheek	0	137600	688	50	28	-0.04	0.566	24.06	25.50	1.393	0.788	/
	DSI1			Right Cheek	0	136100	680.5	100	0	0.15	0.521	23.18	24.50	1.355	0.706	/
Ant.1	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	136100	680.5	1	53	-0.15	0.046	24.64	25.50	1.219	0.056	/
	DSI1			Left Tilt	0	136100	680.5	1	53	-0.05	0.011	24.64	25.50	1.219	0.013	/
	DSI1			Right Cheek	0	136100	680.5	1	53	-0.04	0.051	24.64	25.50	1.219	0.062	/
	DSI1			Right Tilt	0	136100	680.5	1	53	0.06	0.013	24.64	25.50	1.219	0.016	/
	DSI1			Left Cheek	0	134600	673	50	28	0.01	0.038	24.74	25.50	1.191	0.045	/
	DSI1			Left Tilt	0	134600	673	50	28	-0.13	0.009	24.74	25.50	1.191	0.011	/
	DSI1			Right Cheek	0	134600	673	50	28	-0.03	0.050	24.74	25.50	1.191	0.060	/
	DSI1			Right Tilt	0	134600	673	50	28	0.14	0.010	24.74	25.50	1.191	0.012	/
Body-worn																
Ant.4	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	136100	680.5	1	1	0.03	0.098	24.30	25.50	1.318	0.129	/
	DSI3			Back Side	15	136100	680.5	1	1	0.02	0.140	24.30	25.50	1.318	**0.185**	95#
	DSI4			Front Side	15	134600	673	50	28	0.15	0.075	24.29	25.50	1.321	0.099	/
	DSI3			Back Side	15	134600	673	50	28	-0.03	0.111	24.29	25.50	1.321	0.147	/
Ant.1	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	136100	680.5	1	53	0.04	0.042	24.64	25.50	1.219	0.051	/
	DSI2			Back Side	15	136100	680.5	1	53	-0.01	0.061	24.64	25.50	1.219	0.074	/
	DSI4			Front Side	15	134600	673	50	28	0.13	0.039	24.74	25.50	1.191	0.046	/
	DSI2			Back Side	15	134600	673	50	28	0.03	0.047	24.74	25.50	1.191	0.056	/
Hotspot																
Ant.4	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	136100	680.5	1	1	0.11	0.129	24.30	25.50	1.318	0.170	/
	DSI5			Back Side	10	136100	680.5	1	1	0.03	0.223	24.30	25.50	1.318	**0.294**	96#
	DSI5			Left Edge	10	136100	680.5	1	1	-0.11	0.104	24.30	25.50	1.318	0.137	/
	DSI5			Top Edge	10	136100	680.5	1	1	-0.05	0.087	24.30	25.50	1.318	0.115	/
	DSI5			Front Side	10	134600	673	50	28	-0.11	0.111	24.29	25.50	1.321	0.147	/

	DSI5			Back Side	10	134600	673	50	28	0.13	0.171	24.29	25.50	1.321	0.226	/
	DSI5			Left Edge	10	134600	673	50	28	0.05	0.078	24.29	25.50	1.321	0.103	/
	DSI5			Top Edge	10	134600	673	50	28	-0.09	0.077	24.29	25.50	1.321	0.102	/
Ant.1	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	136100	680.5	1	53	0.07	0.095	24.64	25.50	1.219	0.116	/
	DSI5			Back Side	10	136100	680.5	1	53	-0.01	0.134	24.64	25.50	1.219	0.163	/
	DSI5			Left Edge	10	136100	680.5	1	53	-0.08	0.097	24.64	25.50	1.219	0.118	/
	DSI5			Right Edge	10	136100	680.5	1	53	0.03	0.165	24.64	25.50	1.219	0.201	/
	DSI5			Bottom Edge	10	136100	680.5	1	53	0.06	0.079	24.64	25.50	1.219	0.096	/
	DSI5			Front Side	10	134600	673	50	28	-0.05	0.092	24.74	25.50	1.191	0.110	/
	DSI5			Back Side	10	134600	673	50	28	-0.13	0.132	24.74	25.50	1.191	0.157	/
	DSI5			Left Edge	10	134600	673	50	28	-0.14	0.072	24.74	25.50	1.191	0.086	/
	DSI5			Right Edge	10	134600	673	50	28	-0.12	0.160	24.74	25.50	1.191	0.191	/
	DSI5			Bottom Edge	10	134600	673	50	28	0.07	0.092	24.74	25.50	1.191	0.110	/

11.29 5G 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.4	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	520000	2600	1	53	0.15	0.462	18.69	19.50	1.205	0.557	/
	DSI1			Left Tilt	0	520000	2600	1	53	0.06	0.551	18.69	19.50	1.205	0.664	/
	DSI1			Right Cheek	0	520000	2600	1	53	-0.04	0.782	18.69	19.50	1.205	0.942	/
	DSI1			Right Tilt	0	520000	2600	1	53	0.04	0.808	18.69	19.50	1.205	**0.974**	97#
	DSI1			Left Cheek	0	519000	2595	50	56	0.10	0.449	18.57	19.50	1.239	0.556	/
	DSI1			Left Tilt	0	519000	2595	50	56	0.14	0.534	18.57	19.50	1.239	0.662	/
	DSI1			Right Cheek	0	519000	2595	50	56	-0.07	0.757	18.57	19.50	1.239	0.938	/
	DSI1			Right Tilt	0	519000	2595	50	56	-0.01	0.773	18.57	19.50	1.239	0.958	/
	DSI1			Right Cheek	0	518000	2590	1	104	0.01	0.705	18.62	19.50	1.225	0.864	/
	DSI1			Right Cheek	0	519000	2595	1	1	-0.07	0.703	18.60	19.50	1.230	0.865	/
	DSI1			Right Cheek	0	518000	2590	50	0	0.11	0.680	18.49	19.50	1.262	0.858	/
	DSI1			Right Cheek	0	520000	2600	50	56	0.03	0.692	18.45	19.50	1.274	0.882	/
	DSI1			Right Cheek	0	519000	2595	100	0	-0.14	0.651	18.44	19.50	1.276	0.831	/
	DSI1			Right Tilt	0	518000	2590	1	104	0.04	0.758	18.62	19.50	1.225	0.929	/
	DSI1			Right Tilt	0	519000	2595	1	1	-0.11	0.761	18.60	19.50	1.230	0.936	/
	DSI1			Right Tilt	0	518000	2590	50	0	-0.14	0.731	18.49	19.50	1.262	0.923	/
	DSI1			Right Tilt	0	520000	2600	50	56	0.04	0.740	18.45	19.50	1.274	0.943	/
	DSI1			Right Tilt	0	519000	2595	100	0	-0.01	0.696	18.44	19.50	1.276	0.888	/
Ant.3	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	518000	2590	1	104	0.00	0.202	21.06	22.00	1.242	0.251	/
	DSI1			Left Tilt	0	518000	2590	1	104	-0.01	0.085	21.06	22.00	1.242	0.106	/
	DSI1			Right Cheek	0	518000	2590	1	104	0.00	0.294	21.06	22.00	1.242	0.365	/
	DSI1			Right Tilt	0	518000	2590	1	104	0.03	0.100	21.06	22.00	1.242	0.124	/
	DSI1			Left Cheek	0	519000	2595	50	56	0.11	0.170	21.15	22.00	1.216	0.207	/
	DSI1			Left Tilt	0	519000	2595	50	56	0.07	0.069	21.15	22.00	1.216	0.084	/
	DSI1			Right Cheek	0	519000	2595	50	56	-0.01	0.247	21.15	22.00	1.216	0.300	/
	DSI1			Right Tilt	0	519000	2595	50	56	-0.09	0.084	21.15	22.00	1.216	0.102	/
Ant.7	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	520000	2600	1	104	0.05	0.500	19.84	20.50	1.164	0.582	/
	DSI1			Left Tilt	0	520000	2600	1	104	0.00	0.212	19.84	20.50	1.164	0.247	/
	DSI1			Right Cheek	0	520000	2600	1	104	0.04	0.430	19.84	20.50	1.164	0.501	/
	DSI1			Right Tilt	0	520000	2600	1	104	0.09	0.235	19.84	20.50	1.164	0.274	/
	DSI1			Left Cheek	0	520000	2600	50	28	-0.11	0.425	18.62	20.50	1.542	0.655	/
	DSI1			Left Tilt	0	520000	2600	50	28	0.10	0.180	18.62	20.50	1.542	0.278	/
	DSI1			Right Cheek	0	520000	2600	50	28	0.02	0.408	18.62	20.50	1.542	0.629	/
	DSI1			Right Tilt	0	520000	2600	50	28	-0.06	0.189	18.62	20.50	1.542	0.291	/
Ant.1	DSI1		SA	Left Cheek	0	520000	2600	1	104	0.06	0.102	24.09	25.50	1.384	0.141	/
	DSI1			Left Tilt	0	520000	2600	1	104	-0.02	0.048	24.09	25.50	1.384	0.066	/

	DSI1	DFT-s-OFDM BPSK		Right Cheek	0	520000	2600	1	104	0.13	0.132	24.09	25.50	1.384	0.183	/
	DSI1			Right Tilt	0	520000	2600	1	104	0.02	0.056	24.09	25.50	1.384	0.078	/
	DSI1			Left Cheek	0	520000	2600	50	28	0.06	0.099	23.95	25.50	1.429	0.141	/
	DSI1			Left Tilt	0	520000	2600	50	28	-0.04	0.047	23.95	25.50	1.429	0.067	/
	DSI1			Right Cheek	0	520000	2600	50	28	-0.12	0.129	23.95	25.50	1.429	0.184	/
	DSI1			Right Tilt	0	520000	2600	50	28	-0.08	0.053	23.95	25.50	1.429	0.076	/
Body-worn																
Ant.4	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	519000	2595	1	1	0.02	0.253	23.72	25.50	1.507	0.381	/
	DSI3			Back Side	15	518000	2590	1	1	-0.01	0.203	18.19	19.00	1.205	0.245	/
	DSI4			Front Side	15	520000	2600	50	28	-0.04	0.251	23.59	25.50	1.552	0.390	/
	DSI3			Back Side	15	520000	2600	50	28	-0.10	0.166	18.11	19.00	1.227	0.204	/
Ant.3	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	519000	2595	1	1	0.03	0.069	23.93	25.50	1.435	0.099	/
	DSI3			Back Side	15	519000	2595	1	1	-0.10	0.121	20.61	21.50	1.227	0.148	/
	DSI4			Front Side	15	519000	2595	50	28	-0.01	0.072	23.80	25.50	1.479	0.106	/
	DSI3			Back Side	15	519000	2595	50	56	0.05	0.149	20.62	21.50	1.225	0.183	/
Ant.7	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	520000	2600	1	1	-0.07	0.056	19.84	20.50	1.164	0.065	/
	DSI3			Back Side	15	520000	2600	1	1	0.08	0.082	19.84	20.50	1.164	0.095	/
	DSI4			Front Side	15	519000	2595	50	28	-0.05	0.068	18.62	20.50	1.542	0.105	/
	DSI3			Back Side	15	519000	2595	50	28	-0.07	0.113	18.62	20.50	1.542	0.174	/
Ant.1	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	520000	2600	1	104	0.09	0.228	24.09	25.50	1.384	0.316	/
	DSI2			Back Side	15	519000	2595	1	1	0.05	0.361	22.00	22.50	1.122	**0.405**	98#
	DSI4			Front Side	15	520000	2600	50	28	0.04	0.204	23.95	25.50	1.429	0.292	/
	DSI2			Back Side	15	518000	2590	50	28	-0.07	0.322	22.03	22.50	1.114	0.359	/
Hotspot																
Ant.4	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	518000	2590	1	1	0.02	0.237	18.19	19.00	1.205	0.286	/
	DSI5			Back Side	10	518000	2590	1	1	0.02	0.364	18.19	19.00	1.205	0.439	/
	DSI5			Left Edge	10	518000	2590	1	1	0.09	0.139	18.19	19.00	1.205	0.167	/
	DSI5			Top Edge	10	518000	2590	1	1	0.03	0.550	18.19	19.00	1.205	0.663	/
	DSI5			Front Side	10	520000	2600	50	28	0.12	0.224	18.11	19.00	1.227	0.275	/
	DSI5			Back Side	10	520000	2600	50	28	0.05	0.308	18.11	19.00	1.227	0.378	/
	DSI5			Left Edge	10	520000	2600	50	28	-0.07	0.115	18.11	19.00	1.227	0.141	/
	DSI5			Top Edge	10	520000	2600	50	28	0.15	0.461	18.11	19.00	1.227	0.566	/
Ant.3	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	519000	2595	1	1	-0.06	0.042	20.61	21.50	1.227	0.052	/
	DSI5			Back Side	10	519000	2595	1	1	-0.05	0.186	20.61	21.50	1.227	0.228	/
	DSI5			Left Edge	10	519000	2595	1	1	0.03	0.129	20.61	21.50	1.227	0.158	/
	DSI5			Front Side	10	519000	2595	50	56	0.02	0.044	20.62	21.50	1.225	0.054	/
	DSI5			Back Side	10	519000	2595	50	56	-0.10	0.192	20.62	21.50	1.225	0.235	/
	DSI5			Left Edge	10	519000	2595	50	56	0.05	0.149	20.62	21.50	1.225	0.183	/
Ant.7	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	520000	2600	1	1	-0.08	0.049	19.84	20.50	1.164	0.057	/
	DSI5			Back Side	10	520000	2600	1	1	0.13	0.110	19.84	20.50	1.164	0.128	/
	DSI5			Right Edge	10	520000	2600	1	1	0.02	0.082	19.84	20.50	1.164	0.095	/
	DSI5			Top Edge	10	520000	2600	1	1	0.01	0.025	19.84	20.50	1.164	0.029	/
	DSI5			Front Side	10	519000	2595	50	28	-0.07	0.060	18.62	20.50	1.542	0.093	/

	DSI5			Back Side	10	519000	2595	50	28	-0.03	0.112	18.62	20.50	1.542	0.173	/
	DSI5			Right Edge	10	519000	2595	50	28	0.12	0.069	18.62	20.50	1.542	0.106	/
	DSI5			Top Edge	10	519000	2595	50	28	-0.03	0.028	18.62	20.50	1.542	0.043	/
Ant.1	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	519000	2595	1	1	-0.12	0.267	22.00	22.50	1.122	0.300	/
	DSI5			Back Side	10	519000	2595	1	1	-0.15	0.393	22.00	22.50	1.122	0.441	/
	DSI5			Left Edge	10	519000	2595	1	1	0.07	0.051	22.00	22.50	1.122	0.057	/
	DSI5			Right Edge	10	519000	2595	1	1	0.15	0.062	22.00	22.50	1.122	0.070	/
	DSI5			Bottom Edge	10	519000	2595	1	1	0.08	0.678	22.00	22.50	1.122	0.761	/
	DSI5			Front Side	10	518000	2590	50	28	0.11	0.239	22.03	22.50	1.114	0.266	/
	DSI5			Back Side	10	518000	2590	50	28	-0.11	0.384	22.03	22.50	1.114	0.428	/
	DSI5			Left Edge	10	518000	2590	50	28	-0.01	0.051	22.03	22.50	1.114	0.057	/
	DSI5			Right Edge	10	518000	2590	50	28	0.07	0.059	22.03	22.50	1.114	0.066	/
	DSI5			Bottom Edge	10	518000	2590	50	28	0.09	0.724	22.03	22.50	1.114	**0.807**	99#
	DSI5			Bottom Edge	10	518000	2590	1	53	0.02	0.701	21.97	22.50	1.130	0.792	/
	DSI5			Bottom Edge	10	520000	2600	1	104	0.02	0.656	21.87	22.50	1.156	0.758	/
	DSI5			Bottom Edge	10	519000	2595	50	28	0.14	0.692	22.00	22.50	1.122	0.776	/
	DSI5			Bottom Edge	10	520000	2600	50	28	-0.14	0.646	21.84	22.50	1.164	0.752	/
	DSI5			Bottom Edge	10	520000	2600	100	0	-0.15	0.637	22.04	22.50	1.112	0.708	/
Body(Sensor-1)																
Ant.4	DSI4	DFT-s-OFDM BPSK	SA	Front Side	9	519000	2595	1	1	-0.05	0.491	23.72	25.50	1.507	0.740	/
	DSI4			Back Side	16	519000	2595	1	1	0.07	0.383	23.72	25.50	1.507	0.577	/
	DSI4			Left Edge	7	519000	2595	1	1	0.04	0.206	23.72	25.50	1.507	0.310	/
	DSI4			Top Edge	16	519000	2595	1	1	0.10	0.513	23.72	25.50	1.507	0.773	/
	DSI4			Front Side	9	520000	2600	50	28	-0.07	0.448	23.59	25.50	1.552	0.695	/
	DSI4			Back Side	16	520000	2600	50	28	-0.06	0.376	23.59	25.50	1.552	0.584	/
	DSI4			Left Edge	7	520000	2600	50	28	-0.08	0.174	23.59	25.50	1.552	0.270	/
	DSI4			Top Edge	16	520000	2600	50	28	0.05	0.509	23.59	25.50	1.552	0.790	/
Ant.3	DSI4	DFT-s-OFDM BPSK	SA	Front Side	9	519000	2595	1	1	0.07	0.167	23.93	25.50	1.435	0.240	/
	DSI4			Back Side	16	519000	2595	1	1	0.13	0.226	23.93	25.50	1.435	0.324	/
	DSI4			Left Edge	7	519000	2595	1	1	0.12	0.375	23.93	25.50	1.435	0.538	/
	DSI4			Top Edge	16	519000	2595	1	1	0.12	0.043	23.93	25.50	1.435	0.062	/
	DSI4			Front Side	9	519000	2595	50	28	-0.07	0.225	23.80	25.50	1.479	0.333	/
	DSI4			Back Side	16	519000	2595	50	28	-0.05	0.293	23.80	25.50	1.479	0.433	/
	DSI4			Left Edge	7	519000	2595	50	28	0.12	0.355	23.80	25.50	1.479	0.525	/
	DSI4			Top Edge	16	519000	2595	50	28	-0.06	0.050	23.80	25.50	1.479	0.074	/
Ant.1	DSI4	DFT-s-OFDM BPSK	SA	Front Side	9	520000	2600	1	104	0.03	0.254	24.09	25.50	1.384	0.352	/
	DSI4			Back Side	16	520000	2600	1	104	0.11	0.369	24.09	25.50	1.384	0.511	/
	DSI4			Bottom Edge	16	520000	2600	1	104	0.00	0.563	24.09	25.50	1.384	0.779	/
	DSI4			Front Side	9	520000	2600	50	28	-0.10	0.256	23.95	25.50	1.429	0.366	/
	DSI4			Back Side	16	520000	2600	50	28	0.04	0.327	23.95	25.50	1.429	0.467	/
	DSI4			Bottom Edge	16	520000	2600	50	28	-0.05	0.545	23.95	25.50	1.429	0.779	/

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.4	DSI3	DFT-s-OFDM BPSK	SA	Front Side	0	518000	2590	1	1	0.09	0.545	18.19	19.00	1.205	0.657	/
	DSI3			Back Side	0	518000	2590	1	1	-0.04	0.479	18.19	19.00	1.205	0.577	/
	DSI3			Top Edge	0	518000	2590	1	1	-0.07	1.770	18.19	19.00	1.205	2.133	/
	DSI3			Front Side	0	520000	2600	50	28	0.08	0.547	18.11	19.00	1.227	0.671	/
	DSI3			Back Side	0	520000	2600	50	28	-0.03	0.469	18.11	19.00	1.227	0.575	/
	DSI3			Top Edge	0	520000	2600	50	28	-0.07	1.710	18.11	19.00	1.227	2.098	/
	DSI3			Top Edge	10	519000	2595	1	104	0.08	1.560	18.18	19.00	1.208	1.884	/
	DSI3			Top Edge	10	520000	2600	1	104	-0.07	1.700	18.08	19.00	1.236	2.101	/
	DSI3			Top Edge	10	518000	2590	50	56	-0.01	1.650	17.97	19.00	1.268	2.092	/
	DSI3			Top Edge	10	519000	2595	50	56	-0.06	1.660	17.98	19.00	1.265	2.100	/
	DSI3			Top Edge	10	520000	2600	100	0	-0.10	1.570	18.00	19.00	1.259	1.977	/
Ant.1	DSI2	DFT-s-OFDM BPSK	SA	Bottom Edge	0	519000	2595	1	1	0.04	2.270	22.00	22.50	1.122	**2.547**	100#
	DSI2			Bottom Edge	0	518000	2590	50	28	0.02	2.030	22.03	22.50	1.114	2.261	/
	DSI2			Bottom Edge	0	518000	2590	1	53	-0.04	2.120	21.97	22.50	1.130	2.396	/
	DSI2			Bottom Edge	0	520000	2600	1	104	-0.13	2.090	21.87	22.50	1.156	2.416	/
	DSI2			Bottom Edge	0	519000	2595	50	28	-0.08	1.830	22.00	22.50	1.122	2.053	/
	DSI2			Bottom Edge	0	520000	2600	50	28	0.02	1.910	21.84	22.50	1.164	2.223	/
	DSI2			Bottom Edge	0	520000	2600	100	0	-0.06	1.830	22.04	22.50	1.112	2.035	/

11.30 5G 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.4	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	518598	2592.99	1	271	-0.04	0.429	18.43	19.00	1.140	0.489	/
	DSI1			Left Tilt	0	518598	2592.99	1	271	-0.07	0.512	18.43	19.00	1.140	0.584	/
	DSI1			Right Cheek	0	518598	2592.99	1	271	-0.15	0.701	18.43	19.00	1.140	0.799	/
	DSI1			Right Tilt	0	518598	2592.99	1	271	-0.02	0.746	18.43	19.00	1.140	**0.850**	101#
	DSI1			Left Cheek	0	518598	2592.99	135	69	0.01	0.398	18.46	19.00	1.132	0.451	/
	DSI1			Left Tilt	0	518598	2592.99	135	69	0.08	0.459	18.46	19.00	1.132	0.520	/
	DSI1			Right Cheek	0	518598	2592.99	135	69	0.06	0.684	18.46	19.00	1.132	0.774	/
	DSI1			Right Tilt	0	518598	2592.99	135	69	-0.03	0.724	18.46	19.00	1.132	0.820	/
	DSI1			Right Tilt	0	509202	2546.01	1	271	-0.02	0.638	18.38	19.00	1.153	0.736	/
	DSI1			Right Tilt	0	513900	2569.5	1	1	-0.05	0.703	18.41	19.00	1.146	0.806	/
	DSI1			Right Tilt	0	523302	2616.51	1	271	-0.10	0.695	18.43	19.00	1.140	0.792	/
	DSI1			Right Tilt	0	528000	2640	1	1	-0.02	0.686	18.34	19.00	1.164	0.799	/
	DSI1			Right Tilt	0	509202	2546.01	135	138	0.04	0.690	18.38	19.00	1.153	0.796	/
	DSI1			Right Tilt	0	513900	2569.5	135	69	-0.08	0.672	18.45	19.00	1.135	0.763	/
	DSI1			Right Tilt	0	523302	2616.51	135	138	-0.09	0.683	18.45	19.00	1.135	0.775	/
	DSI1			Right Tilt	0	528000	2640	135	138	-0.15	0.677	18.40	19.00	1.148	0.777	/
	DSI1			Right Tilt	0	518598	2592.99	270	0	-0.11	0.655	18.47	19.00	1.130	0.740	/
Ant.3	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	509202	2546.01	1	137	0.04	0.202	22.03	23.00	1.250	0.253	/
	DSI1			Left Tilt	0	509202	2546.01	1	137	-0.09	0.085	22.03	23.00	1.250	0.106	/
	DSI1			Right Cheek	0	509202	2546.01	1	137	0.06	0.294	22.03	23.00	1.250	0.368	/
	DSI1			Right Tilt	0	509202	2546.01	1	137	-0.01	0.100	22.03	23.00	1.250	0.125	/
	DSI1			Left Cheek	0	513900	2569.5	135	69	0.07	0.170	21.66	23.00	1.361	0.231	/
	DSI1			Left Tilt	0	513900	2569.5	135	69	-0.11	0.069	21.66	23.00	1.361	0.094	/
	DSI1			Right Cheek	0	513900	2569.5	135	69	-0.11	0.247	21.66	23.00	1.361	0.336	/
	DSI1			Right Tilt	0	513900	2569.5	135	69	0.11	0.084	21.66	23.00	1.361	0.114	/
Ant.7	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	513900	2569.5	1	271	0.06	0.635	19.27	20.50	1.327	0.843	/
	DSI1			Left Tilt	0	513900	2569.5	1	271	0.03	0.296	19.27	20.50	1.327	0.393	/
	DSI1			Right Cheek	0	513900	2569.5	1	271	-0.04	0.552	19.27	20.50	1.327	0.733	/
	DSI1			Right Tilt	0	513900	2569.5	1	271	0.07	0.328	19.27	20.50	1.327	0.435	/
	DSI1			Left Cheek	0	518598	2592.99	135	69	-0.02	0.601	19.05	20.50	1.396	0.839	/
	DSI1			Left Tilt	0	518598	2592.99	135	69	0.05	0.244	19.05	20.50	1.396	0.341	/
	DSI1			Right Cheek	0	518598	2592.99	135	69	-0.04	0.527	19.05	20.50	1.396	0.736	/
	DSI1			Right Tilt	0	518598	2592.99	135	69	0.09	0.271	19.05	20.50	1.396	0.378	/
	DSI1			Left Cheek	0	509202	2546.01	1	1	0.08	0.624	19.20	20.50	1.349	0.842	/
	DSI1			Left Cheek	0	518598	2592.99	1	271	-0.11	0.621	19.20	20.50	1.349	0.838	/
	DSI1			Left Cheek	0	523302	2616.51	1	137	0.13	0.598	19.20	20.50	1.349	0.807	/

	DSI1			Left Cheek	0	528000	2640	1	1	0.01	0.611	19.09	20.50	1.384	0.846	/
	DSI1			Left Cheek	0	509202	2546.01	135	69	0.05	0.580	18.94	20.50	1.432	0.831	/
	DSI1			Left Cheek	0	513900	2569.5	135	69	0.13	0.586	19.00	20.50	1.413	0.828	/
	DSI1			Left Cheek	0	523302	2616.51	135	69	-0.14	0.576	18.99	20.50	1.416	0.816	/
	DSI1			Left Cheek	0	528000	2640	135	69	0.13	0.504	18.85	20.50	1.462	0.737	/
	DSI1			Left Cheek	0	523302	2616.51	270	0	0.07	0.475	18.16	19.50	1.361	0.646	/
Ant.1	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	513900	2569.5	1	1	0.04	0.164	24.00	25.50	1.413	0.232	/
	DSI1			Left Tilt	0	513900	2569.5	1	1	-0.09	0.077	24.00	25.50	1.413	0.109	/
	DSI1			Right Cheek	0	513900	2569.5	1	1	-0.07	0.182	24.00	25.50	1.413	0.257	/
	DSI1			Right Tilt	0	513900	2569.5	1	1	-0.05	0.078	24.00	25.50	1.413	0.110	/
	DSI1			Left Cheek	0	518598	2592.99	135	0	-0.02	0.159	22.76	24.50	1.493	0.237	/
	DSI1			Left Tilt	0	518598	2592.99	135	0	-0.12	0.076	22.76	24.50	1.493	0.113	/
	DSI1			Right Cheek	0	518598	2592.99	135	0	-0.06	0.168	22.76	24.50	1.493	0.251	/
	DSI1			Right Tilt	0	518598	2592.99	135	0	0.07	0.074	22.76	24.50	1.493	0.110	/
Body-worn																
Ant.4	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	509202	2546.01	1	137	-0.13	0.254	23.26	24.00	1.186	0.301	/
	DSI3			Back Side	15	518598	2592.99	1	1	-0.02	0.272	18.97	19.50	1.130	0.307	/
	DSI4			Front Side	15	513900	2569.5	135	69	-0.13	0.262	23.21	24.00	1.199	0.314	/
	DSI3			Back Side	15	518598	2592.99	135	138	-0.01	0.280	18.96	19.50	1.132	**0.317**	102#
Ant.3	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	509202	2546.01	1	137	-0.14	0.011	21.57	22.50	1.239	0.014	/
	DSI3			Back Side	15	509202	2546.01	1	137	0.11	0.139	21.57	22.50	1.239	0.172	/
	DSI4			Front Side	15	513900	2569.5	135	69	0.14	0.008	21.14	22.50	1.368	0.011	/
	DSI3			Back Side	15	513900	2569.5	135	69	-0.02	0.155	21.14	22.50	1.368	0.212	/
Ant.7	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	513900	2569.5	1	271	0.02	0.058	19.27	20.50	1.327	0.077	/
	DSI3			Back Side	15	513900	2569.5	1	271	0.03	0.095	19.27	20.50	1.327	0.126	/
	DSI4			Front Side	15	518598	2592.99	135	69	0.02	0.069	19.05	20.50	1.396	0.096	/
	DSI3			Back Side	15	518598	2592.99	135	69	0.13	0.114	19.05	20.50	1.396	0.159	/
Ant.1	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	513900	2569.5	1	1	0.02	0.146	24.00	25.50	1.413	0.206	/
	DSI2			Back Side	15	509202	2546.01	1	1	0.10	0.230	20.78	22.00	1.324	0.305	/
	DSI4			Front Side	15	518598	2592.99	135	0	0.15	0.159	22.76	24.50	1.493	0.237	/
	DSI2			Back Side	15	513900	2569.5	135	0	-0.01	0.223	20.71	22.00	1.346	0.300	/
Hotspot																
Ant.4	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	518598	2592.99	1	271	0.05	0.169	18.43	19.00	1.140	0.193	/
	DSI5			Back Side	10	518598	2592.99	1	271	0.01	0.305	18.43	19.00	1.140	0.348	/
	DSI5			Left Edge	10	518598	2592.99	1	271	-0.04	0.099	18.43	19.00	1.140	0.113	/
	DSI5			Top Edge	10	518598	2592.99	1	271	-0.01	0.409	18.43	19.00	1.140	0.466	/
	DSI5			Front Side	10	518598	2592.99	135	69	0.14	0.189	18.46	19.00	1.132	0.214	/
	DSI5			Back Side	10	518598	2592.99	135	69	-0.03	0.330	18.46	19.00	1.132	0.374	/
	DSI5			Left Edge	10	518598	2592.99	135	69	0.15	0.114	18.46	19.00	1.132	0.129	/
	DSI5			Top Edge	10	518598	2592.99	135	69	-0.06	0.401	18.46	19.00	1.132	0.454	/
Ant.3	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	509202	2546.01	1	137	-0.06	0.044	20.53	21.50	1.250	0.055	/
	DSI5			Back Side	10	509202	2546.01	1	137	-0.12	0.194	20.53	21.50	1.250	0.243	/
	DSI5			Left Edge	10	509202	2546.01	1	137	0.11	0.129	20.53	21.50	1.250	0.161	/

	DSI5			Front Side	10	513900	2569.5	135	69	-0.12	0.047	20.32	21.50	1.312	0.062	/
	DSI5			Back Side	10	513900	2569.5	135	69	-0.03	0.196	20.32	21.50	1.312	0.257	/
	DSI5			Left Edge	10	513900	2569.5	135	69	0.14	0.151	20.32	21.50	1.312	0.198	/
Ant.7	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	513900	2569.5	1	271	-0.02	0.060	19.27	20.50	1.327	0.080	/
	DSI5			Back Side	10	513900	2569.5	1	271	0.11	0.112	19.27	20.50	1.327	0.149	/
	DSI5			Right Edge	10	513900	2569.5	1	271	-0.15	0.085	19.27	20.50	1.327	0.113	/
	DSI5			Top Edge	10	513900	2569.5	1	271	-0.14	0.026	19.27	20.50	1.327	0.035	/
	DSI5			Front Side	10	518598	2592.99	135	69	-0.01	0.066	19.05	20.50	1.396	0.092	/
	DSI5			Back Side	10	518598	2592.99	135	69	-0.08	0.132	19.05	20.50	1.396	0.184	/
	DSI5			Right Edge	10	518598	2592.99	135	69	0.09	0.079	19.05	20.50	1.396	0.110	/
	DSI5			Top Edge	10	518598	2592.99	135	69	0.12	0.030	19.05	20.50	1.396	0.042	/
Ant.1	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	509202	2546.01	1	1	-0.03	0.210	20.78	22.00	1.324	0.278	/
	DSI5			Back Side	10	509202	2546.01	1	1	0.15	0.328	20.78	22.00	1.324	0.434	/
	DSI5			Left Edge	10	509202	2546.01	1	1	0.11	0.046	20.78	22.00	1.324	0.061	/
	DSI5			Right Edge	10	509202	2546.01	1	1	-0.09	0.057	20.78	22.00	1.324	0.075	/
	DSI5			Bottom Edge	10	509202	2546.01	1	1	0.12	0.640	20.78	22.00	1.324	0.847	/
	DSI5			Front Side	10	513900	2569.5	135	0	0.14	0.208	20.71	22.00	1.346	0.280	/
	DSI5			Back Side	10	513900	2569.5	135	0	-0.01	0.318	20.71	22.00	1.346	0.428	/
	DSI5			Left Edge	10	513900	2569.5	135	0	-0.05	0.052	20.71	22.00	1.346	0.070	/
	DSI5			Right Edge	10	513900	2569.5	135	0	-0.10	0.061	20.71	22.00	1.346	0.082	/
	DSI5			Bottom Edge	10	513900	2569.5	135	0	0.03	0.704	20.71	22.00	1.346	**0.948**	103#
	DSI5			Bottom Edge	10	513900	2569.5	1	137	-0.06	0.685	20.75	22.00	1.334	0.914	/
	DSI5			Bottom Edge	10	518598	2592.99	1	1	0.10	0.576	20.67	22.00	1.358	0.782	/
	DSI5			Bottom Edge	10	523302	2616.51	1	1	0.06	0.655	20.63	22.00	1.371	0.898	/
	DSI5			Bottom Edge	10	528000	2640	1	137	0.12	0.621	20.49	22.00	1.416	0.879	/
	DSI5			Bottom Edge	10	509202	2546.01	135	138	-0.15	0.628	20.48	22.00	1.419	0.891	/
	DSI5			Bottom Edge	10	518598	2592.99	135	138	-0.06	0.581	20.60	22.00	1.380	0.802	/
	DSI5			Bottom Edge	10	523302	2616.51	135	0	-0.08	0.641	20.35	22.00	1.462	0.937	/
	DSI5			Bottom Edge	10	528000	2640	135	138	-0.06	0.610	20.56	22.00	1.393	0.850	/
	DSI5			Bottom Edge	10	518598	2592.99	270	0	-0.14	0.676	20.71	22.00	1.346	0.910	/
Body(Sensor-1)																
Ant.4	DSI4	DFT-s-OFDM BPSK	SA	Front Side	9	509202	2546.01	1	137	-0.08	0.530	23.26	24.00	1.186	0.629	/
	DSI4			Back Side	16	509202	2546.01	1	137	-0.07	0.387	23.26	24.00	1.186	0.459	/
	DSI4			Left Edge	7	509202	2546.01	1	137	0.13	0.190	23.26	24.00	1.186	0.225	/
	DSI4			Top Edge	16	509202	2546.01	1	137	0.02	0.518	23.26	24.00	1.186	0.614	/
	DSI4			Front Side	9	513900	2569.5	135	69	0.00	0.448	23.21	24.00	1.199	0.537	/
	DSI4			Back Side	16	513900	2569.5	135	69	0.13	0.399	23.21	24.00	1.199	0.478	/
	DSI4			Left Edge	7	513900	2569.5	135	69	-0.08	0.160	23.21	24.00	1.199	0.192	/
	DSI4			Top Edge	16	513900	2569.5	135	69	-0.01	0.499	23.21	24.00	1.199	0.598	/
Ant.1	DSI4	DFT-s-OFDM BPSK	SA	Front Side	9	513900	2569.5	1	1	0.11	0.251	24.00	25.50	1.413	0.355	/
	DSI4			Back Side	16	513900	2569.5	1	1	0.04	0.339	24.00	25.50	1.413	0.479	/
	DSI4			Bottom Edge	16	513900	2569.5	1	1	-0.02	0.557	24.00	25.50	1.413	0.787	/
	DSI4			Front Side	9	518598	2592.99	135	0	0.09	0.266	22.76	24.50	1.493	0.397	/

	DSI4			Back Side	16	518598	2592.99	135	0	0.07	0.327	22.76	24.50	1.493	0.488	/
	DSI4			Bottom Edge	16	518598	2592.99	135	0	0.01	0.507	22.76	24.50	1.493	0.757	/
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.4	DSI3	DFT-s-OFDM BPSK	SA	Top Edge	0	518598	2592.99	1	1	0.03	1.860	18.97	19.50	1.130	**2.102**	104#
	DSI3			Top Edge	0	518598	2592.99	135	0	0.02	1.750	18.96	19.50	1.132	1.981	/
	DSI3			Top Edge	0	509202	2546.01	1	137	-0.11	1.850	18.97	19.50	1.130	2.091	/
	DSI3			Top Edge	0	513900	2569.5	1	271	0.05	1.800	18.85	19.50	1.161	2.090	/
	DSI3			Top Edge	0	523302	2616.51	1	271	0.07	1.790	18.94	19.50	1.138	2.037	/
	DSI3			Top Edge	0	528000	2640	1	271	0.10	1.830	18.91	19.50	1.146	2.097	/
	DSI3			Top Edge	0	513900	2569.5	270	0	0.10	1.760	18.86	19.50	1.159	2.040	/
Ant.1	DSI2	DFT-s-OFDM BPSK	SA	Bottom Edge	0	509202	2546.01	1	1	-0.08	1.340	20.78	22.00	1.324	1.774	/
	DSI2			Bottom Edge	0	513900	2569.5	135	0	0.14	1.380	20.71	22.00	1.346	1.857	/

11.31 5G n48 (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.2	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	641666	3624.99	1	104	0.14	0.148	21.18	22.00	1.208	0.179	/
	DSI1			Left Tilt	0	641666	3624.99	1	104	0.05	0.165	21.18	22.00	1.208	0.199	/
	DSI1			Right Cheek	0	641666	3624.99	1	104	-0.02	0.454	21.18	22.00	1.208	0.548	/
	DSI1			Right Tilt	0	641666	3624.99	1	104	0.08	0.342	21.18	22.00	1.208	0.413	/
	DSI1			Left Cheek	0	638000	3570	50	28	0.04	0.134	20.72	22.00	1.343	0.180	/
	DSI1			Left Tilt	0	638000	3570	50	28	-0.09	0.150	20.72	22.00	1.343	0.201	/
	DSI1			Right Cheek	0	638000	3570	50	28	0.11	0.412	20.72	22.00	1.343	0.553	/
	DSI1			Right Tilt	0	638000	3570	50	28	0.08	0.311	20.72	22.00	1.343	0.418	/
Ant.3	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	645332	3679.98	1	53	-0.12	0.163	19.54	20.00	1.112	0.181	/
	DSI1			Left Tilt	0	645332	3679.98	1	53	-0.05	0.055	19.54	20.00	1.112	0.061	/
	DSI1			Right Cheek	0	645332	3679.98	1	53	0.06	0.257	19.54	20.00	1.112	0.286	/
	DSI1			Right Tilt	0	645332	3679.98	1	53	-0.15	0.146	19.54	20.00	1.112	0.162	/
	DSI1			Left Cheek	0	645332	3679.98	50	28	-0.04	0.147	18.83	20.00	1.309	0.192	/
	DSI1			Left Tilt	0	645332	3679.98	50	28	0.03	0.050	18.83	20.00	1.309	0.065	/
	DSI1			Right Cheek	0	645332	3679.98	50	28	0.08	0.232	18.83	20.00	1.309	0.304	/
	DSI1			Right Tilt	0	645332	3679.98	50	28	-0.12	0.132	18.83	20.00	1.309	0.173	/
Ant.5	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	638000	3570	1	1	0.09	0.201	16.96	18.00	1.271	0.255	/
	DSI1			Left Tilt	0	638000	3570	1	1	0.03	0.223	16.96	18.00	1.271	0.283	/
	DSI1			Right Cheek	0	638000	3570	1	1	-0.05	0.430	16.96	18.00	1.271	0.547	/
	DSI1			Right Tilt	0	638000	3570	1	1	0.07	0.282	16.96	18.00	1.271	0.358	/
	DSI1			Left Cheek	0	641666	3624.99	50	56	0.09	0.168	16.81	18.00	1.315	0.221	/
	DSI1			Left Tilt	0	641666	3624.99	50	56	0.14	0.187	16.81	18.00	1.315	0.246	/
	DSI1			Right Cheek	0	641666	3624.99	50	56	-0.14	0.358	16.81	18.00	1.315	0.471	/
	DSI1			Right Tilt	0	641666	3624.99	50	56	0.01	0.233	16.81	18.00	1.315	0.306	/
Ant.7	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	641666	3624.99	1	1	-0.16	0.766	18.69	19.50	1.205	**0.923**	105#
	DSI1			Left Tilt	0	641666	3624.99	1	1	0.11	0.430	18.69	19.50	1.205	0.518	/
	DSI1			Right Cheek	0	641666	3624.99	1	1	-0.08	0.213	18.69	19.50	1.205	0.257	/
	DSI1			Right Tilt	0	641666	3624.99	1	1	0.12	0.128	18.69	19.50	1.205	0.154	/
	DSI1			Left Cheek	0	645332	3679.98	50	0	0.02	0.732	18.63	19.50	1.222	0.895	/
	DSI1			Left Tilt	0	645332	3679.98	50	0	-0.10	0.411	18.63	19.50	1.222	0.502	/
	DSI1			Right Cheek	0	645332	3679.98	50	0	-0.11	0.204	18.63	19.50	1.222	0.249	/
	DSI1			Right Tilt	0	645332	3679.98	50	0	0.07	0.122	18.63	19.50	1.222	0.149	/
	DSI1			Left Cheek	0	638000	3570	1	53	-0.12	0.554	18.65	19.50	1.216	0.674	/
	DSI1			Left Cheek	0	645332	3679.98	1	1	-0.12	0.623	18.65	19.50	1.216	0.758	/
	DSI1			Left Cheek	0	638000	3570	50	0	0.04	0.530	18.58	19.50	1.236	0.655	/
	DSI1			Left Cheek	0	641666	3624.99	50	0	-0.06	0.596	18.55	19.50	1.245	0.742	/

	DSI1			Left Cheek	0	638000	3570	100	0	0.11	0.494	18.61	19.50	1.227	0.606	/
Body-worn																
Ant.2	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	641666	3624.99	1	104	-0.13	0.105	21.18	22.00	1.208	0.127	/
	DSI3			Back Side	15	641666	3624.99	1	104	-0.03	0.159	21.18	22.00	1.208	0.192	/
	DSI4			Front Side	15	638000	3570	50	28	-0.13	0.083	20.72	22.00	1.343	0.111	/
	DSI3			Back Side	15	638000	3570	50	28	-0.05	0.137	20.72	22.00	1.343	0.184	/
Ant.3	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	645332	3679.98	1	104	0.01	0.075	20.08	20.50	1.102	0.083	/
	DSI3			Back Side	15	645332	3679.98	1	104	-0.09	0.206	20.08	20.50	1.102	0.227	/
	DSI4			Front Side	15	645332	3679.98	50	28	-0.05	0.068	19.34	20.50	1.306	0.089	/
	DSI3			Back Side	15	645332	3679.98	50	28	0.08	0.179	19.34	20.50	1.306	0.234	/
Ant.5	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	645332	3679.98	1	53	0.02	0.218	24.72	25.50	1.197	**0.261**	106#
	DSI3			Back Side	15	645332	3679.98	1	53	0.03	0.193	24.72	25.50	1.197	0.231	/
	DSI4			Front Side	15	638000	3570	50	28	-0.08	0.166	24.07	25.50	1.390	0.231	/
	DSI3			Back Side	15	638000	3570	50	28	-0.04	0.162	24.07	25.50	1.390	0.225	/
Ant.7	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	641666	3624.99	1	1	-0.08	0.153	18.69	19.50	1.205	0.184	/
	DSI3			Back Side	15	641666	3624.99	1	1	0.13	0.171	18.69	19.50	1.205	0.206	/
	DSI4			Front Side	15	645332	3679.98	50	0	-0.06	0.146	18.63	19.50	1.222	0.178	/
	DSI3			Back Side	15	645332	3679.98	50	0	-0.07	0.152	18.63	19.50	1.222	0.186	/
Hotspot																
Ant.2	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	641666	3624.99	1	104	-0.14	0.174	21.18	22.00	1.208	0.210	/
	DSI5			Back Side	10	641666	3624.99	1	104	-0.12	0.330	21.18	22.00	1.208	0.399	/
	DSI5			Left Edge	10	641666	3624.99	1	104	0.05	0.222	21.18	22.00	1.208	0.268	/
	DSI5			Top Edge	10	641666	3624.99	1	104	0.12	0.175	21.18	22.00	1.208	0.211	/
	DSI5			Front Side	10	638000	3570	50	28	0.15	0.161	20.72	22.00	1.343	0.216	/
	DSI5			Back Side	10	638000	3570	50	28	-0.11	0.284	20.72	22.00	1.343	0.381	/
	DSI5			Left Edge	10	638000	3570	50	28	-0.10	0.193	20.72	22.00	1.343	0.259	/
	DSI5			Top Edge	10	638000	3570	50	28	-0.12	0.155	20.72	22.00	1.343	0.208	/
Ant.3	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	645332	3679.98	1	53	-0.02	0.117	19.54	20.00	1.112	0.130	/
	DSI5			Back Side	10	645332	3679.98	1	53	-0.08	0.511	19.54	20.00	1.112	0.568	/
	DSI5			Left Edge	10	645332	3679.98	1	53	-0.02	0.521	19.54	20.00	1.112	0.579	/
	DSI5			Front Side	10	645332	3679.98	50	28	0.10	0.103	18.83	20.00	1.309	0.135	/
	DSI5			Back Side	10	645332	3679.98	50	28	-0.14	0.416	18.83	20.00	1.309	0.545	/
	DSI5			Left Edge	10	645332	3679.98	50	28	-0.03	0.457	18.83	20.00	1.309	0.598	/
Ant.5	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	638000	3570	1	1	0.15	0.376	16.96	18.00	1.271	0.478	/
	DSI5			Back Side	10	638000	3570	1	1	-0.10	0.383	16.96	18.00	1.271	0.487	/
	DSI5			Top Edge	10	638000	3570	1	1	-0.16	0.596	16.96	18.00	1.271	**0.758**	107#
	DSI5			Front Side	10	641666	3624.99	50	56	-0.15	0.314	16.81	18.00	1.315	0.413	/
	DSI5			Back Side	10	641666	3624.99	50	56	-0.14	0.299	16.81	18.00	1.315	0.393	/
	DSI5			Top Edge	10	641666	3624.99	50	56	-0.13	0.486	16.81	18.00	1.315	0.639	/
Ant.7	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	641666	3624.99	1	1	-0.13	0.186	18.69	19.50	1.205	0.224	/
	DSI5			Back Side	10	641666	3624.99	1	1	0.06	0.208	18.69	19.50	1.205	0.251	/
	DSI5			Right Edge	10	641666	3624.99	1	1	-0.08	0.365	18.69	19.50	1.205	0.440	/
	DSI5			Top Edge	10	641666	3624.99	1	1	0.05	0.104	18.69	19.50	1.205	0.125	/

	DSI5			Front Side	10	645332	3679.98	50	0	0.13	0.148	18.63	19.50	1.222	0.181	/
	DSI5			Back Side	10	645332	3679.98	50	0	0.12	0.167	18.63	19.50	1.222	0.204	/
	DSI5			Right Edge	10	645332	3679.98	50	0	-0.03	0.329	18.63	19.50	1.222	0.402	/
	DSI5			Top Edge	10	645332	3679.98	50	0	-0.08	0.086	18.63	19.50	1.222	0.105	/
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.5	DSI3	DFT-s-OFDM BPSK	SA	Front Side	0	645332	3679.98	1	53	0.04	1.610	24.72	25.50	1.197	1.927	/
	DSI3			Back Side	0	645332	3679.98	1	53	-0.06	1.580	24.72	25.50	1.197	1.891	/
	DSI3			Top Edge	0	645332	3679.98	1	53	-0.18	2.120	24.72	25.50	1.197	**2.538**	108#
	DSI3			Front Side	0	638000	3570	50	28	0.05	1.380	24.07	25.50	1.390	1.918	/
	DSI3			Back Side	0	638000	3570	50	28	0.03	1.400	24.07	25.50	1.390	1.946	/
	DSI3			Top Edge	0	638000	3570	50	28	0.02	1.810	24.07	25.50	1.390	2.516	/
	DSI3			Top Edge	0	638000	3570	1	1	-0.08	1.890	24.27	25.50	1.327	2.508	/
	DSI3			Top Edge	0	641666	3624.99	1	104	0.13	2.000	24.48	25.50	1.265	2.530	/
	DSI3			Top Edge	0	641666	3624.99	50	28	-0.14	1.560	24.05	25.50	1.396	2.178	/
	DSI3			Top Edge	0	645332	3679.98	50	28	0.12	1.810	24.06	25.50	1.393	2.521	/
	DSI3			Top Edge	0	638000	3570	100	0	-0.09	1.640	22.78	24.50	1.486	2.437	/

11.32 5G n77 (100MHz Bandwidth) (3450MHz~3550MHz)

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.2	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	1	-0.15	0.157	23.74	24.00	1.062	0.167	/
	DSI1			Left Tilt	0	633334	3500.01	1	1	0.13	0.142	23.74	24.00	1.062	0.151	/
	DSI1			Right Cheek	0	633334	3500.01	1	1	0.13	0.510	23.74	24.00	1.062	0.542	/
	DSI1			Right Tilt	0	633334	3500.01	1	1	0.07	0.345	23.74	24.00	1.062	0.366	/
	DSI1			Left Cheek	0	633334	3500.01	135	69	-0.04	0.166	23.29	24.00	1.178	0.196	/
	DSI1			Left Tilt	0	633334	3500.01	135	69	-0.13	0.148	23.29	24.00	1.178	0.174	/
	DSI1			Right Cheek	0	633334	3500.01	135	69	-0.14	0.503	23.29	24.00	1.178	0.593	/
	DSI1			Right Tilt	0	633334	3500.01	135	69	0.06	0.352	23.29	24.00	1.178	0.415	/
Ant.3	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	1	0.11	0.129	18.83	20.00	1.309	0.169	/
	DSI1			Left Tilt	0	633334	3500.01	1	1	-0.11	0.046	18.83	20.00	1.309	0.060	/
	DSI1			Right Cheek	0	633334	3500.01	1	1	0.13	0.340	18.83	20.00	1.309	0.445	/
	DSI1			Right Tilt	0	633334	3500.01	1	1	-0.11	0.147	18.83	20.00	1.309	0.192	/
	DSI1			Left Cheek	0	633334	3500.01	135	0	-0.09	0.143	18.22	20.00	1.507	0.216	/
	DSI1			Left Tilt	0	633334	3500.01	135	0	-0.10	0.051	18.22	20.00	1.507	0.077	/
	DSI1			Right Cheek	0	633334	3500.01	135	0	0.04	0.378	18.22	20.00	1.507	0.570	/
	DSI1			Right Tilt	0	633334	3500.01	135	0	-0.09	0.164	18.22	20.00	1.507	0.247	/
Ant.5	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	1	-0.06	0.458	16.26	17.00	1.186	0.543	/
	DSI1			Left Tilt	0	633334	3500.01	1	1	0.14	0.454	16.26	17.00	1.186	0.538	/
	DSI1			Right Cheek	0	633334	3500.01	1	1	-0.04	0.582	16.26	17.00	1.186	**0.690**	109#
	DSI1			Right Tilt	0	633334	3500.01	1	1	-0.02	0.336	16.26	17.00	1.186	0.398	/
	DSI1			Left Cheek	0	633334	3500.01	135	0	0.03	0.451	16.05	17.00	1.245	0.561	/
	DSI1			Left Tilt	0	633334	3500.01	135	0	-0.09	0.447	16.05	17.00	1.245	0.557	/
	DSI1			Right Cheek	0	633334	3500.01	135	0	0.11	0.551	16.05	17.00	1.245	0.686	/
	DSI1			Right Tilt	0	633334	3500.01	135	0	0.04	0.331	16.05	17.00	1.245	0.412	/
Ant.7	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	1	-0.08	0.345	18.43	19.50	1.279	0.441	/
	DSI1			Left Tilt	0	633334	3500.01	1	1	0.01	0.077	18.43	19.50	1.279	0.098	/
	DSI1			Right Cheek	0	633334	3500.01	1	1	0.10	0.233	18.43	19.50	1.279	0.298	/
	DSI1			Right Tilt	0	633334	3500.01	1	1	-0.05	0.100	18.43	19.50	1.279	0.128	/
	DSI1			Left Cheek	0	633334	3500.01	135	0	0.05	0.355	18.55	19.50	1.245	0.442	/
	DSI1			Left Tilt	0	633334	3500.01	135	0	-0.08	0.079	18.55	19.50	1.245	0.098	/
	DSI1			Right Cheek	0	633334	3500.01	135	0	-0.10	0.240	18.55	19.50	1.245	0.299	/
	DSI1			Right Tilt	0	633334	3500.01	135	0	0.05	0.103	18.55	19.50	1.245	0.128	/
Body-worn																
Ant.2	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	633334	3500.01	1	1	0.03	0.076	22.73	23.00	1.064	0.081	/
	DSI3			Back Side	15	633334	3500.01	1	1	-0.15	0.107	22.73	23.00	1.064	0.114	/
	DSI4			Front Side	15	633334	3500.01	135	69	-0.05	0.080	22.33	23.00	1.167	0.093	/

	DSI3			Back Side	15	633334	3500.01	135	69	0.01	0.114	22.33	23.00	1.167	0.133	/
Ant.3	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	633334	3500.01	1	1	0.09	0.042	21.82	22.50	1.169	0.049	/
	DSI3			Back Side	15	633334	3500.01	1	1	0.05	0.157	21.82	22.50	1.169	0.184	/
	DSI4			Front Side	15	633334	3500.01	135	69	0.03	0.041	21.15	22.50	1.365	0.056	/
	DSI3			Back Side	15	633334	3500.01	135	69	0.06	0.163	21.15	22.50	1.365	**0.222**	110#
Ant.5	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	633334	3500.01	1	271	0.00	0.171	21.40	22.50	1.288	0.220	/
	DSI3			Back Side	15	633334	3500.01	1	271	0.04	0.154	21.40	22.50	1.288	0.198	/
	DSI4			Front Side	15	633334	3500.01	135	138	-0.11	0.168	21.35	22.50	1.303	0.219	/
	DSI3			Back Side	15	633334	3500.01	135	138	0.05	0.153	21.35	22.50	1.303	0.199	/
Ant.7	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	633334	3500.01	1	271	-0.05	0.127	18.43	19.50	1.279	0.162	/
	DSI3			Back Side	15	633334	3500.01	1	271	0.04	0.140	18.43	19.50	1.279	0.179	/
	DSI4			Front Side	15	633334	3500.01	135	69	0.00	0.108	18.55	19.50	1.245	0.134	/
	DSI3			Back Side	15	633334	3500.01	135	69	0.09	0.144	18.55	19.50	1.245	0.179	/
Hotspot																
Ant.2	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	1	-0.06	0.145	21.77	22.00	1.054	0.153	/
	DSI5			Back Side	10	633334	3500.01	1	1	0.11	0.254	21.77	22.00	1.054	0.268	/
	DSI5			Left Edge	10	633334	3500.01	1	1	-0.05	0.145	21.77	22.00	1.054	0.153	/
	DSI5			Top Edge	10	633334	3500.01	1	1	0.04	0.120	21.77	22.00	1.054	0.126	/
	DSI5			Front Side	10	633334	3500.01	135	138	-0.04	0.169	21.33	22.00	1.167	0.197	/
	DSI5			Back Side	10	633334	3500.01	135	138	-0.02	0.270	21.33	22.00	1.167	0.315	/
	DSI5			Left Edge	10	633334	3500.01	135	138	-0.04	0.153	21.33	22.00	1.167	0.179	/
	DSI5			Top Edge	10	633334	3500.01	135	138	-0.06	0.128	21.33	22.00	1.167	0.149	/
Ant.3	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	1	-0.15	0.053	18.83	20.00	1.309	0.069	/
	DSI5			Back Side	10	633334	3500.01	1	1	0.06	0.241	18.83	20.00	1.309	0.315	/
	DSI5			Left Edge	10	633334	3500.01	1	1	-0.16	0.312	18.83	20.00	1.309	**0.408**	111#
	DSI5			Front Side	10	633334	3500.01	135	0	0.11	0.058	18.22	20.00	1.507	0.087	/
	DSI5			Back Side	10	633334	3500.01	135	0	0.15	0.268	18.22	20.00	1.507	0.404	/
	DSI5			Left Edge	10	633334	3500.01	135	0	-0.04	0.266	18.22	20.00	1.507	0.401	/
Ant.5	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	1	-0.11	0.213	16.26	17.00	1.186	0.253	/
	DSI5			Back Side	10	633334	3500.01	1	1	-0.01	0.208	16.26	17.00	1.186	0.247	/
	DSI5			Top Edge	10	633334	3500.01	1	1	0.07	0.188	16.26	17.00	1.186	0.223	/
	DSI5			Front Side	10	633334	3500.01	135	0	0.15	0.237	16.05	17.00	1.245	0.295	/
	DSI5			Back Side	10	633334	3500.01	135	0	0.12	0.211	16.05	17.00	1.245	0.263	/
	DSI5			Top Edge	10	633334	3500.01	135	0	0.13	0.201	16.05	17.00	1.245	0.250	/
Ant.7	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	271	-0.01	0.092	18.43	19.50	1.279	0.118	/
	DSI5			Back Side	10	633334	3500.01	1	271	-0.12	0.142	18.43	19.50	1.279	0.182	/
	DSI5			Right Edge	10	633334	3500.01	1	271	-0.09	0.197	18.43	19.50	1.279	0.252	/
	DSI5			Top Edge	10	633334	3500.01	1	271	0.08	0.076	18.43	19.50	1.279	0.097	/
	DSI5			Front Side	10	633334	3500.01	135	69	0.07	0.100	18.55	19.50	1.245	0.125	/
	DSI5			Back Side	10	633334	3500.01	135	69	-0.02	0.149	18.55	19.50	1.245	0.186	/
	DSI5			Right Edge	10	633334	3500.01	135	69	-0.05	0.199	18.55	19.50	1.245	0.248	/
	DSI5			Top Edge	10	633334	3500.01	135	69	-0.13	0.077	18.55	19.50	1.245	0.096	/

11.33 5G n77 (100MHz Bandwidth) (3700MHz~3980MHz)

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.2	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	656000	3840	1	1	0.05	0.133	23.34	24.00	1.164	0.155	/
	DSI1			Left Tilt	0	656000	3840	1	1	0.09	0.125	23.34	24.00	1.164	0.146	/
	DSI1			Right Cheek	0	656000	3840	1	1	0.12	0.407	23.34	24.00	1.164	0.474	/
	DSI1			Right Tilt	0	656000	3840	1	1	0.07	0.281	23.34	24.00	1.164	0.327	/
	DSI1			Left Cheek	0	650000	3750	135	69	-0.15	0.128	22.91	24.00	1.285	0.164	/
	DSI1			Left Tilt	0	650000	3750	135	69	-0.15	0.120	22.91	24.00	1.285	0.154	/
	DSI1			Right Cheek	0	650000	3750	135	69	0.06	0.368	22.91	24.00	1.285	0.473	/
	DSI1			Right Tilt	0	650000	3750	135	69	-0.15	0.270	22.91	24.00	1.285	0.347	/
Ant.3	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	656000	3840	1	1	-0.13	0.077	19.51	20.00	1.119	0.086	/
	DSI1			Left Tilt	0	656000	3840	1	1	-0.15	0.033	19.51	20.00	1.119	0.037	/
	DSI1			Right Cheek	0	656000	3840	1	1	0.07	0.337	19.51	20.00	1.119	0.377	/
	DSI1			Right Tilt	0	656000	3840	1	1	-0.06	0.105	19.51	20.00	1.119	0.117	/
	DSI1			Left Cheek	0	662000	3930	135	0	-0.02	0.073	18.99	20.00	1.262	0.092	/
	DSI1			Left Tilt	0	662000	3930	135	0	-0.08	0.031	18.99	20.00	1.262	0.039	/
	DSI1			Right Cheek	0	662000	3930	135	0	-0.05	0.298	18.99	20.00	1.262	0.376	/
	DSI1			Right Tilt	0	662000	3930	135	0	-0.02	0.099	18.99	20.00	1.262	0.125	/
Ant.5	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	662000	3930	1	1	-0.03	0.518	16.14	17.00	1.219	**0.631**	112#
	DSI1			Left Tilt	0	662000	3930	1	1	-0.07	0.510	16.14	17.00	1.219	0.622	/
	DSI1			Right Cheek	0	662000	3930	1	1	0.01	0.476	16.14	17.00	1.219	0.580	/
	DSI1			Right Tilt	0	662000	3930	1	1	0.05	0.377	16.14	17.00	1.219	0.460	/
	DSI1			Left Cheek	0	656000	3840	135	138	-0.11	0.509	16.12	17.00	1.225	0.624	/
	DSI1			Left Tilt	0	656000	3840	135	138	0.06	0.500	16.12	17.00	1.225	0.613	/
	DSI1			Right Cheek	0	656000	3840	135	138	-0.10	0.465	16.12	17.00	1.225	0.570	/
	DSI1			Right Tilt	0	656000	3840	135	138	0.03	0.368	16.12	17.00	1.225	0.451	/
Ant.7	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	650000	3750	1	137	0.03	0.403	18.59	19.50	1.233	0.497	/
	DSI1			Left Tilt	0	650000	3750	1	137	-0.05	0.227	18.59	19.50	1.233	0.280	/
	DSI1			Right Cheek	0	650000	3750	1	137	-0.10	0.112	18.59	19.50	1.233	0.138	/
	DSI1			Right Tilt	0	650000	3750	1	137	-0.11	0.067	18.59	19.50	1.233	0.083	/
	DSI1			Left Cheek	0	662000	3930	135	69	0.12	0.392	18.66	19.50	1.213	0.475	/
	DSI1			Left Tilt	0	662000	3930	135	69	-0.07	0.221	18.66	19.50	1.213	0.268	/
	DSI1			Right Cheek	0	662000	3930	135	69	0.09	0.109	18.66	19.50	1.213	0.132	/
	DSI1			Right Tilt	0	662000	3930	135	69	0.08	0.065	18.66	19.50	1.213	0.079	/
Body-worn																
Ant.2	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	650000	3750	1	271	-0.15	0.026	22.52	23.00	1.117	0.029	/
	DSI3			Back Side	15	650000	3750	1	271	-0.09	0.058	22.52	23.00	1.117	0.065	/
	DSI4			Front Side	15	650000	3750	135	0	-0.12	0.024	21.98	23.00	1.265	0.030	/

	DSI3			Back Side	15	650000	3750	135	0	-0.08	0.056	21.98	23.00	1.265	0.071	/
Ant.3	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	656000	3840	1	1	0.13	0.029	22.09	22.50	1.099	0.032	/
	DSI3			Back Side	15	656000	3840	1	1	0.04	0.080	22.09	22.50	1.099	0.088	/
	DSI4			Front Side	15	656000	3840	135	69	-0.13	0.023	21.20	22.50	1.349	0.031	/
	DSI3			Back Side	15	656000	3840	135	69	-0.07	0.063	21.20	22.50	1.349	0.085	/
Ant.5	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	650000	3750	1	1	0.08	0.064	21.35	22.50	1.303	0.083	/
	DSI3			Back Side	15	650000	3750	1	1	-0.03	0.061	21.35	22.50	1.303	0.079	/
	DSI4			Front Side	15	650000	3750	135	138	-0.07	0.073	21.38	22.50	1.294	0.094	/
	DSI3			Back Side	15	650000	3750	135	138	-0.09	0.074	21.38	22.50	1.294	**0.096**	113#
Ant.7	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	650000	3750	1	137	-0.09	0.023	18.59	19.50	1.233	0.028	/
	DSI3			Back Side	15	650000	3750	1	137	0.05	0.035	18.59	19.50	1.233	0.043	/
	DSI4			Front Side	15	662000	3930	135	69	0.08	0.022	18.66	19.50	1.213	0.027	/
	DSI3			Back Side	15	662000	3930	135	69	0.12	0.034	18.66	19.50	1.213	0.041	/
Hotspot																
Ant.2	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	650000	3750	1	271	0.01	0.071	21.48	22.00	1.127	0.080	/
	DSI5			Back Side	10	650000	3750	1	271	0.13	0.238	21.48	22.00	1.127	0.268	/
	DSI5			Left Edge	10	650000	3750	1	271	-0.07	0.104	21.48	22.00	1.127	0.117	/
	DSI5			Top Edge	10	650000	3750	1	271	-0.12	0.109	21.48	22.00	1.127	0.123	/
	DSI5			Front Side	10	650000	3750	135	0	-0.12	0.075	21.01	22.00	1.256	0.094	/
	DSI5			Back Side	10	650000	3750	135	0	0.07	0.210	21.01	22.00	1.256	0.264	/
	DSI5			Left Edge	10	650000	3750	135	0	0.11	0.107	21.01	22.00	1.256	0.134	/
	DSI5			Top Edge	10	650000	3750	135	0	0.09	0.108	21.01	22.00	1.256	0.136	/
Ant.3	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	656000	3840	1	1	0.03	0.040	19.51	20.00	1.119	0.045	/
	DSI5			Back Side	10	656000	3840	1	1	0.12	0.166	19.51	20.00	1.119	0.186	/
	DSI5			Left Edge	10	656000	3840	1	1	-0.11	0.145	19.51	20.00	1.119	0.162	/
	DSI5			Front Side	10	662000	3930	135	0	-0.09	0.040	18.99	20.00	1.262	0.050	/
	DSI5			Back Side	10	662000	3930	135	0	-0.08	0.167	18.99	20.00	1.262	0.211	/
	DSI5			Left Edge	10	662000	3930	135	0	-0.10	0.145	18.99	20.00	1.262	0.183	/
Ant.5	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	650000	3750	1	1	0.13	0.266	21.35	22.50	1.303	0.347	/
	DSI5			Back Side	10	650000	3750	1	1	-0.07	0.267	21.35	22.50	1.303	0.348	/
	DSI5			Top Edge	10	650000	3750	1	1	0.01	0.359	21.35	22.50	1.303	0.468	/
	DSI5			Front Side	10	650000	3750	135	138	-0.13	0.283	21.35	22.50	1.303	0.369	/
	DSI5			Back Side	10	650000	3750	135	138	0.12	0.289	21.35	22.50	1.303	0.377	/
	DSI5			Top Edge	10	650000	3750	135	138	-0.08	0.408	21.35	22.50	1.303	**0.532**	114#
Ant.7	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	650000	3750	1	137	0.07	0.137	18.59	19.50	1.233	0.169	/
	DSI5			Back Side	10	650000	3750	1	137	-0.02	0.246	18.59	19.50	1.233	0.303	/
	DSI5			Right Edge	10	650000	3750	1	137	0.08	0.365	18.59	19.50	1.233	0.450	/
	DSI5			Top Edge	10	650000	3750	1	137	-0.06	0.061	18.59	19.50	1.233	0.075	/
	DSI5			Front Side	10	662000	3930	135	69	-0.08	0.140	18.66	19.50	1.213	0.170	/
	DSI5			Back Side	10	662000	3930	135	69	-0.05	0.239	18.66	19.50	1.213	0.290	/
	DSI5			Right Edge	10	662000	3930	135	69	-0.15	0.394	18.66	19.50	1.213	0.478	/
	DSI5			Top Edge	10	662000	3930	135	69	-0.15	0.064	18.66	19.50	1.213	0.078	/

11.34 5G n78 (100MHz Bandwidth) (3450MHz~3550MHz)

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.2	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	271	0.04	0.338	23.13	24.00	1.222	0.413	/
	DSI1			Left Tilt	0	633334	3500.01	1	271	0.02	0.304	23.13	24.00	1.222	0.371	/
	DSI1			Right Cheek	0	633334	3500.01	1	271	-0.04	0.465	23.13	24.00	1.222	**0.568**	115#
	DSI1			Right Tilt	0	633334	3500.01	1	271	0.06	0.375	23.13	24.00	1.222	0.458	/
	DSI1			Left Cheek	0	633334	3500.01	135	0	0.10	0.336	23.18	24.00	1.208	0.406	/
	DSI1			Left Tilt	0	633334	3500.01	135	0	-0.07	0.302	23.18	24.00	1.208	0.365	/
	DSI1			Right Cheek	0	633334	3500.01	135	0	-0.15	0.448	23.18	24.00	1.208	0.541	/
	DSI1			Right Tilt	0	633334	3500.01	135	0	-0.07	0.362	23.18	24.00	1.208	0.437	/
Ant.3	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	1	-0.07	0.168	18.67	20.00	1.358	0.228	/
	DSI1			Left Tilt	0	633334	3500.01	1	1	-0.01	0.060	18.67	20.00	1.358	0.081	/
	DSI1			Right Cheek	0	633334	3500.01	1	1	-0.10	0.415	18.67	20.00	1.358	0.564	/
	DSI1			Right Tilt	0	633334	3500.01	1	1	-0.12	0.191	18.67	20.00	1.358	0.259	/
	DSI1			Left Cheek	0	633334	3500.01	135	138	0.06	0.181	18.79	20.00	1.321	0.239	/
	DSI1			Left Tilt	0	633334	3500.01	135	138	-0.11	0.065	18.79	20.00	1.321	0.086	/
	DSI1			Right Cheek	0	633334	3500.01	135	138	0.06	0.426	18.79	20.00	1.321	0.563	/
	DSI1			Right Tilt	0	633334	3500.01	135	138	0.15	0.206	18.79	20.00	1.321	0.272	/
Ant.5	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	271	-0.04	0.259	16.18	17.00	1.208	0.313	/
	DSI1			Left Tilt	0	633334	3500.01	1	271	-0.02	0.205	16.18	17.00	1.208	0.248	/
	DSI1			Right Cheek	0	633334	3500.01	1	271	-0.04	0.189	16.18	17.00	1.208	0.228	/
	DSI1			Right Tilt	0	633334	3500.01	1	271	-0.04	0.152	16.18	17.00	1.208	0.184	/
	DSI1			Left Cheek	0	633334	3500.01	135	138	0.15	0.259	16.06	17.00	1.242	0.322	/
	DSI1			Left Tilt	0	633334	3500.01	135	138	-0.11	0.202	16.06	17.00	1.242	0.251	/
	DSI1			Right Cheek	0	633334	3500.01	135	138	-0.13	0.191	16.06	17.00	1.242	0.237	/
	DSI1			Right Tilt	0	633334	3500.01	135	138	-0.05	0.150	16.06	17.00	1.242	0.186	/
Ant.7	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	1	0.03	0.357	18.53	19.50	1.250	0.446	/
	DSI1			Left Tilt	0	633334	3500.01	1	1	-0.13	0.201	18.53	19.50	1.250	0.251	/
	DSI1			Right Cheek	0	633334	3500.01	1	1	0.13	0.099	18.53	19.50	1.250	0.124	/
	DSI1			Right Tilt	0	633334	3500.01	1	1	-0.01	0.059	18.53	19.50	1.250	0.074	/
	DSI1			Left Cheek	0	633334	3500.01	135	69	0.05	0.347	18.58	19.50	1.236	0.429	/
	DSI1			Left Tilt	0	633334	3500.01	135	69	0.13	0.195	18.58	19.50	1.236	0.241	/
	DSI1			Right Cheek	0	633334	3500.01	135	69	-0.13	0.097	18.58	19.50	1.236	0.120	/
	DSI1			Right Tilt	0	633334	3500.01	135	69	0.13	0.058	18.58	19.50	1.236	0.072	/
Body-worn																
Ant.2	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	633334	3500.01	1	1	-0.15	0.050	22.17	23.00	1.211	0.061	/
	DSI3			Back Side	15	633334	3500.01	1	1	-0.06	0.064	22.17	23.00	1.211	0.078	/
	DSI4			Front Side	15	633334	3500.01	135	0	0.09	0.050	22.21	23.00	1.199	0.060	/

	DSI3			Back Side	15	633334	3500.01	135	0	-0.01	0.069	22.21	23.00	1.199	0.083	/
Ant.3	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	633334	3500.01	1	137	-0.14	0.031	21.68	22.50	1.208	0.037	/
	DSI3			Back Side	15	633334	3500.01	1	137	0.05	0.130	21.68	22.50	1.208	0.157	/
	DSI4			Front Side	15	633334	3500.01	135	69	0.10	0.034	21.53	22.50	1.250	0.043	/
	DSI3			Back Side	15	633334	3500.01	135	69	0.18	0.137	21.53	22.50	1.250	**0.171**	116#
Ant.5	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	633334	3500.01	1	271	-0.09	0.087	21.22	22.50	1.343	0.117	/
	DSI3			Back Side	15	633334	3500.01	1	271	0.09	0.075	21.22	22.50	1.343	0.101	/
	DSI4			Front Side	15	633334	3500.01	135	138	-0.05	0.094	21.29	22.50	1.321	0.124	/
	DSI3			Back Side	15	633334	3500.01	135	138	0.01	0.080	21.29	22.50	1.321	0.106	/
Ant.7	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	633334	3500.01	1	1	-0.12	0.052	18.53	19.50	1.250	0.065	/
	DSI3			Back Side	15	633334	3500.01	1	1	-0.13	0.062	18.53	19.50	1.250	0.078	/
	DSI4			Front Side	15	633334	3500.01	135	69	-0.10	0.052	18.58	19.50	1.236	0.064	/
	DSI3			Back Side	15	633334	3500.01	135	69	-0.01	0.064	18.58	19.50	1.236	0.079	/
Hotspot																
Ant.2	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	1	0.12	0.186	21.15	22.00	1.216	0.226	/
	DSI5			Back Side	10	633334	3500.01	1	1	-0.11	0.231	21.15	22.00	1.216	0.281	/
	DSI5			Left Edge	10	633334	3500.01	1	1	0.01	0.185	21.15	22.00	1.216	0.225	/
	DSI5			Top Edge	10	633334	3500.01	1	1	0.15	0.154	21.15	22.00	1.216	0.187	/
	DSI5			Front Side	10	633334	3500.01	135	0	-0.04	0.213	21.09	22.00	1.233	0.263	/
	DSI5			Back Side	10	633334	3500.01	135	0	-0.13	0.238	21.09	22.00	1.233	0.293	/
	DSI5			Left Edge	10	633334	3500.01	135	0	-0.12	0.203	21.09	22.00	1.233	0.250	/
	DSI5			Top Edge	10	633334	3500.01	135	0	0.09	0.175	21.09	22.00	1.233	0.216	/
Ant.3	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	1	-0.01	0.046	18.67	20.00	1.358	0.062	/
	DSI5			Back Side	10	633334	3500.01	1	1	0.12	0.205	18.67	20.00	1.358	0.278	/
	DSI5			Left Edge	10	633334	3500.01	1	1	0.06	0.268	18.67	20.00	1.358	**0.364**	117#
	DSI5			Front Side	10	633334	3500.01	135	0	0.11	0.048	18.79	20.00	1.321	0.063	/
	DSI5			Back Side	10	633334	3500.01	135	0	-0.13	0.232	18.79	20.00	1.321	0.306	/
	DSI5			Left Edge	10	633334	3500.01	135	0	0.14	0.274	18.79	20.00	1.321	0.362	/
Ant.5	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	271	0.02	0.225	21.22	22.50	1.343	0.302	/
	DSI5			Back Side	10	633334	3500.01	1	271	0.05	0.235	21.22	22.50	1.343	0.316	/
	DSI5			Top Edge	10	633334	3500.01	1	271	-0.12	0.210	21.22	22.50	1.343	0.282	/
	DSI5			Front Side	10	633334	3500.01	135	138	0.09	0.238	21.29	22.50	1.321	0.314	/
	DSI5			Back Side	10	633334	3500.01	135	138	0.07	0.231	21.29	22.50	1.321	0.305	/
	DSI5			Top Edge	10	633334	3500.01	135	138	-0.14	0.254	21.29	22.50	1.321	0.336	/
Ant.7	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	1	-0.07	0.109	18.53	19.50	1.250	0.136	/
	DSI5			Back Side	10	633334	3500.01	1	1	0.03	0.147	18.53	19.50	1.250	0.184	/
	DSI5			Right Edge	10	633334	3500.01	1	1	-0.03	0.246	18.53	19.50	1.250	0.308	/
	DSI5			Top Edge	10	633334	3500.01	1	1	-0.02	0.098	18.53	19.50	1.250	0.123	/
	DSI5			Front Side	10	633334	3500.01	135	69	-0.13	0.110	18.58	19.50	1.236	0.136	/
	DSI5			Back Side	10	633334	3500.01	135	69	-0.10	0.139	18.58	19.50	1.236	0.172	/
	DSI5			Right Edge	10	633334	3500.01	135	69	-0.12	0.235	18.58	19.50	1.236	0.290	/
	DSI5			Top Edge	10	633334	3500.01	135	69	-0.01	0.084	18.58	19.50	1.236	0.104	/

11.35 5G n78 (100MHz Bandwidth) (3700MHz~3800MHz)

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.2	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	650000	3750	1	1	0.12	0.379	22.95	24.00	1.274	0.483	/
	DSI1			Left Tilt	0	650000	3750	1	1	0.03	0.352	22.95	24.00	1.274	0.448	/
	DSI1			Right Cheek	0	650000	3750	1	1	-0.04	0.468	22.95	24.00	1.274	0.596	/
	DSI1			Right Tilt	0	650000	3750	1	1	0.02	0.385	22.95	24.00	1.274	0.490	/
	DSI1			Left Cheek	0	650000	3750	135	0	-0.12	0.375	23.04	24.00	1.247	0.468	/
	DSI1			Left Tilt	0	650000	3750	135	0	-0.07	0.348	23.04	24.00	1.247	0.434	/
	DSI1			Right Cheek	0	650000	3750	135	0	0.06	0.460	23.04	24.00	1.247	0.574	/
	DSI1			Right Tilt	0	650000	3750	135	0	-0.14	0.381	23.04	24.00	1.247	0.475	/
Ant.3	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	650000	3750	1	1	0.11	0.163	19.70	20.00	1.072	0.175	/
	DSI1			Left Tilt	0	650000	3750	1	1	-0.08	0.058	19.70	20.00	1.072	0.062	/
	DSI1			Right Cheek	0	650000	3750	1	1	-0.14	0.428	19.70	20.00	1.072	0.459	/
	DSI1			Right Tilt	0	650000	3750	1	1	0.08	0.185	19.70	20.00	1.072	0.198	/
	DSI1			Left Cheek	0	650000	3750	135	138	-0.12	0.152	19.79	20.00	1.050	0.160	/
	DSI1			Left Tilt	0	650000	3750	135	138	0.11	0.054	19.79	20.00	1.050	0.057	/
	DSI1			Right Cheek	0	650000	3750	135	138	-0.02	0.399	19.79	20.00	1.050	0.419	/
	DSI1			Right Tilt	0	650000	3750	135	138	0.15	0.172	19.79	20.00	1.050	0.181	/
Ant.5	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	650000	3750	1	271	-0.05	0.546	16.29	17.00	1.178	0.643	/
	DSI1			Left Tilt	0	650000	3750	1	271	-0.02	0.541	16.29	17.00	1.178	0.637	/
	DSI1			Right Cheek	0	650000	3750	1	271	0.11	0.503	16.29	17.00	1.178	0.593	/
	DSI1			Right Tilt	0	650000	3750	1	271	-0.02	0.403	16.29	17.00	1.178	0.475	/
	DSI1			Left Cheek	0	650000	3750	135	0	-0.05	0.530	16.17	17.00	1.211	0.642	/
	DSI1			Left Tilt	0	650000	3750	135	0	0.12	0.523	16.17	17.00	1.211	0.633	/
	DSI1			Right Cheek	0	650000	3750	135	0	-0.13	0.487	16.17	17.00	1.211	0.590	/
	DSI1			Right Tilt	0	650000	3750	135	0	-0.12	0.389	16.17	17.00	1.211	0.471	/
Ant.7	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	650000	3750	1	271	0.10	0.621	18.96	19.50	1.132	**0.703**	118#
	DSI1			Left Tilt	0	650000	3750	1	271	0.08	0.350	18.96	19.50	1.132	0.396	/
	DSI1			Right Cheek	0	650000	3750	1	271	0.12	0.173	18.96	19.50	1.132	0.196	/
	DSI1			Right Tilt	0	650000	3750	1	271	-0.01	0.104	18.96	19.50	1.132	0.118	/
	DSI1			Left Cheek	0	650000	3750	135	138	-0.08	0.560	18.59	19.50	1.233	0.690	/
	DSI1			Left Tilt	0	650000	3750	135	138	-0.02	0.330	18.59	19.50	1.233	0.407	/
	DSI1			Right Cheek	0	650000	3750	135	138	0.08	0.163	18.59	19.50	1.233	0.201	/
	DSI1			Right Tilt	0	650000	3750	135	138	-0.05	0.098	18.59	19.50	1.233	0.121	/
Body-worn																
Ant.2	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	650000	3750	1	1	0.01	0.089	22.00	23.00	1.259	0.112	/
	DSI3			Back Side	15	650000	3750	1	1	-0.11	0.157	22.00	23.00	1.259	0.198	/
	DSI4			Front Side	15	650000	3750	135	0	-0.11	0.088	21.85	23.00	1.303	0.115	/

	DSI3			Back Side	15	650000	3750	135	0	-0.05	0.168	21.85	23.00	1.303	0.219	/
Ant.3	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	650000	3750	1	1	0.09	0.058	22.13	22.50	1.089	0.063	/
	DSI3			Back Side	15	650000	3750	1	1	-0.07	0.191	22.13	22.50	1.089	0.208	/
	DSI4			Front Side	15	650000	3750	135	69	0.06	0.056	21.88	22.50	1.153	0.065	/
	DSI3			Back Side	15	650000	3750	135	69	0.06	0.192	21.88	22.50	1.153	**0.221**	119#
Ant.5	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	650000	3750	1	271	0.15	0.124	21.52	22.50	1.253	0.155	/
	DSI3			Back Side	15	650000	3750	1	271	0.15	0.097	21.52	22.50	1.253	0.122	/
	DSI4			Front Side	15	650000	3750	135	0	-0.09	0.115	21.59	22.50	1.233	0.142	/
	DSI3			Back Side	15	650000	3750	135	0	0.08	0.102	21.59	22.50	1.233	0.126	/
Ant.7	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	650000	3750	1	271	0.07	0.072	18.96	19.50	1.132	0.082	/
	DSI3			Back Side	15	650000	3750	1	271	-0.09	0.101	18.96	19.50	1.132	0.114	/
	DSI4			Front Side	15	650000	3750	135	138	-0.08	0.082	18.59	19.50	1.233	0.101	/
	DSI3			Back Side	15	650000	3750	135	138	-0.02	0.105	18.59	19.50	1.233	0.129	/
Hotspot																
Ant.2	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	650000	3750	1	1	-0.15	0.098	21.03	22.00	1.250	0.123	/
	DSI5			Back Side	10	650000	3750	1	1	0.15	0.235	21.03	22.00	1.250	0.294	/
	DSI5			Left Edge	10	650000	3750	1	1	-0.13	0.129	21.03	22.00	1.250	0.161	/
	DSI5			Top Edge	10	650000	3750	1	1	-0.05	0.122	21.03	22.00	1.250	0.153	/
	DSI5			Front Side	10	650000	3750	135	0	-0.04	0.098	21.03	22.00	1.250	0.123	/
	DSI5			Back Side	10	650000	3750	135	0	-0.13	0.285	21.04	22.00	1.247	0.355	/
	DSI5			Left Edge	10	650000	3750	135	0	-0.05	0.143	21.04	22.00	1.247	0.178	/
	DSI5			Top Edge	10	650000	3750	135	0	0.01	0.198	21.04	22.00	1.247	0.247	/
Ant.3	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	650000	3750	1	1	-0.05	0.084	19.70	20.00	1.072	0.090	/
	DSI5			Back Side	10	650000	3750	1	1	-0.11	0.314	19.70	20.00	1.072	0.337	/
	DSI5			Left Edge	10	650000	3750	1	1	0.07	0.340	19.70	20.00	1.072	**0.364**	120#
	DSI5			Front Side	10	650000	3750	135	138	0.09	0.075	19.79	20.00	1.050	0.079	/
	DSI5			Back Side	10	650000	3750	135	138	0.07	0.280	19.79	20.00	1.050	0.294	/
	DSI5			Left Edge	10	650000	3750	135	138	-0.05	0.280	19.79	20.00	1.050	0.294	/
Ant.5	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	650000	3750	1	271	0.06	0.187	21.52	22.50	1.253	0.234	/
	DSI5			Back Side	10	650000	3750	1	271	0.05	0.164	21.52	22.50	1.253	0.205	/
	DSI5			Top Edge	10	650000	3750	1	271	-0.12	0.229	21.52	22.50	1.253	0.287	/
	DSI5			Front Side	10	650000	3750	135	0	0.06	0.185	21.59	22.50	1.233	0.228	/
	DSI5			Back Side	10	650000	3750	135	0	-0.07	0.158	21.59	22.50	1.233	0.195	/
	DSI5			Top Edge	10	650000	3750	135	0	0.02	0.259	21.59	22.50	1.233	0.319	/
Ant.7	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	650000	3750	1	271	-0.09	0.065	18.96	19.50	1.132	0.074	/
	DSI5			Back Side	10	650000	3750	1	271	0.12	0.092	18.96	19.50	1.132	0.104	/
	DSI5			Right Edge	10	650000	3750	1	271	0.01	0.218	18.96	19.50	1.132	0.247	/
	DSI5			Top Edge	10	650000	3750	1	271	-0.14	0.038	18.96	19.50	1.132	0.043	/
	DSI5			Front Side	10	650000	3750	135	138	0.07	0.067	18.59	19.50	1.233	0.083	/
	DSI5			Back Side	10	650000	3750	135	138	0.13	0.100	18.59	19.50	1.233	0.123	/
	DSI5			Right Edge	10	650000	3750	135	138	-0.14	0.191	18.59	19.50	1.233	0.236	/
	DSI5			Top Edge	10	650000	3750	135	138	0.01	0.038	18.59	19.50	1.233	0.047	/

11.36 WIFI 2.4GHz

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	Duty Cycle(%)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.6	Level1	802.11 b	Left Cheek	0	6	2437	-0.15	0.495	15.93	17.00	1.279	98.93	1.011	**0.640**	121#
	Level1	802.11 b	Left Tilt	0	6	2437	0.10	0.391	15.93	17.00	1.279	98.93	1.011	0.506	/
	Level1	802.11 b	Right Cheek	0	6	2437	0.01	0.252	15.93	17.00	1.279	98.93	1.011	0.326	/
	Level1	802.11 b	Right Tilt	0	6	2437	0.02	0.091	15.93	17.00	1.279	98.93	1.011	0.118	/
Ant.6	Level2	802.11 b	Left Cheek	0	6	2437	0.09	0.241	12.98	14.00	1.265	98.93	1.011	0.308	/
	Level2	802.11 b	Left Tilt	0	6	2437	-0.09	0.189	12.98	14.00	1.265	98.93	1.011	0.242	/
	Level2	802.11 b	Right Cheek	0	6	2437	-0.08	0.124	12.98	14.00	1.265	98.93	1.011	0.159	/
	Level2	802.11 b	Right Tilt	0	6	2437	-0.12	0.043	12.98	14.00	1.265	98.93	1.011	0.055	/
Body-Wron															
Ant.6	Level3&4	802.11 b	Front Side	15	6	2437	-0.06	0.096	15.93	17.00	1.279	98.93	1.011	0.124	/
	Level3&4	802.11 b	Back Side	15	6	2437	0.04	0.146	15.93	17.00	1.279	98.93	1.011	**0.189**	122#
Hotspot															
Ant.6	Level4	802.11 b	Front Side	10	6	2437	-0.10	0.164	15.93	17.00	1.279	98.93	1.011	0.212	/
	Level4	802.11 b	Back Side	10	6	2437	-0.02	0.285	15.93	17.00	1.279	98.93	1.011	**0.369**	123#
	Level4	802.11 b	Right Edge	10	6	2437	0.06	0.151	15.93	17.00	1.279	98.93	1.011	0.195	/
	Level4	802.11 b	Top Edge	10	6	2437	-0.05	0.158	15.93	17.00	1.279	98.93	1.011	0.204	/

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	Duty Cycle(%)	Scaling Factor	10 g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant.6	Level3&4	802.11 b	Front Side	0	6	2437	0.06	0.677	15.93	17.00	1.279	98.93	1.011	0.875	/
	Level3&4	802.11 b	Back Side	0	6	2437	0.09	0.593	15.93	17.00	1.279	98.93	1.011	0.767	/
	Level3&4	802.11 b	Right Edge	0	6	2437	0.02	0.382	15.93	17.00	1.279	98.93	1.011	0.494	/
	Level3&4	802.11 b	Top Edge	0	6	2437	-0.05	0.811	15.93	17.00	1.279	98.93	1.011	**1.049**	124#

11.37 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.
Head																
Ant.6	5.2&3G	Level1	802.11 ac (VHT80)	Left Cheek	0	58	5290	-0.05	0.485	12.89	13.00	1.026	93.09	1.074	0.534	/
		Level1	802.11 ac (VHT80)	Left Tilt	0	58	5290	0.07	0.605	12.89	13.00	1.026	93.09	1.074	**0.667**	125#
		Level1	802.11 ac (VHT80)	Right Cheek	0	58	5290	0.06	0.289	12.89	13.00	1.026	93.09	1.074	0.318	/
		Level1	802.11 ac (VHT80)	Right Tilt	0	58	5290	-0.11	0.301	12.89	13.00	1.026	93.09	1.074	0.332	/
Ant.6	5.2&3G	Level2	802.11 ac (VHT80)	Left Cheek	0	58	5290	-0.02	0.120	7.03	8.00	1.250	93.09	1.074	0.161	/
		Level2	802.11 ac (VHT80)	Left Tilt	0	58	5290	-0.05	0.148	7.03	8.00	1.250	93.09	1.074	0.199	/
		Level2	802.11 ac (VHT80)	Right Cheek	0	58	5290	-0.09	0.072	7.03	8.00	1.250	93.09	1.074	0.097	/
		Level2	802.11 ac (VHT80)	Right Tilt	0	58	5290	-0.02	0.075	7.03	8.00	1.250	93.09	1.074	0.101	/
Ant.6	5.6G	Level1	802.11 ac (VHT80)	Left Cheek	0	106	5530	-0.10	0.248	11.28	13.00	1.486	93.09	1.074	0.396	/
		Level1	802.11 ac (VHT80)	Left Tilt	0	106	5530	0.06	0.303	11.28	13.00	1.486	93.09	1.074	**0.484**	126#
		Level1	802.11 ac (VHT80)	Right Cheek	0	106	5530	-0.07	0.148	11.28	13.00	1.486	93.09	1.074	0.236	/
		Level1	802.11 ac (VHT80)	Right Tilt	0	106	5530	0.10	0.125	11.28	13.00	1.486	93.09	1.074	0.199	/
Ant.6	5.6G	Level2	802.11 ac (VHT80)	Left Cheek	0	106	5530	-0.04	0.101	8.04	9.00	1.247	93.09	1.074	0.135	/
		Level2	802.11 ac (VHT80)	Left Tilt	0	106	5530	-0.01	0.122	8.04	9.00	1.247	93.09	1.074	0.163	/
		Level2	802.11 ac (VHT80)	Right Cheek	0	106	5530	0.08	0.059	8.04	9.00	1.247	93.09	1.074	0.079	/
		Level2	802.11 ac (VHT80)	Right Tilt	0	106	5530	-0.11	0.051	8.04	9.00	1.247	93.09	1.074	0.068	/
Ant.6	5.8G	Level1	802.11 n (HT40)	Left Cheek	0	159	5795	0.08	0.114	11.98	13.00	1.265	96.35	1.038	**0.150**	127#
		Level1	802.11 n (HT40)	Left Tilt	0	159	5795	-0.01	0.058	11.98	13.00	1.265	96.35	1.038	0.076	/

		Level1	802.11 n (HT40)	Right Cheek	0	159	5795	0.04	0.055	11.98	13.00	1.265	96.35	1.038	0.072	/
		Level1	802.11 n (HT40)	Right Tilt	0	159	5795	-0.06	0.042	11.98	13.00	1.265	96.35	1.038	0.055	/
Ant.6	5.8G	Level2	802.11 ac (VHT80)	Left Cheek	0	155	5775	0.04	0.063	9.61	11.00	1.377	93.09	1.074	0.093	/
		Level2	802.11 ac (VHT80)	Left Tilt	0	155	5775	-0.06	0.031	9.61	11.00	1.377	93.09	1.074	0.046	/
		Level2	802.11 ac (VHT80)	Right Cheek	0	155	5775	0.06	0.030	9.61	11.00	1.377	93.09	1.074	0.044	/
		Level2	802.11 ac (VHT80)	Right Tilt	0	155	5775	0.10	0.021	9.61	11.00	1.377	93.09	1.074	0.031	/
Body-worn																
Ant.6	5.3G	Level3	802.11 a	Front Side	15	52	5260	0.09	0.136	17.38	18.50	1.294	98.26	1.018	0.179	/
	5.3G	Level3	802.11 a	Back Side	15	52	5260	0.04	0.240	17.38	18.50	1.294	98.26	1.018	**0.316**	128#
Ant.6	5.3G	Level4	802.11 ac (VHT80)	Front Side	15	58	5290	0.06	0.070	14.84	15.50	1.164	93.09	1.074	0.088	/
	5.3G	Level4	802.11 ac (VHT80)	Back Side	15	58	5290	-0.03	0.123	14.84	15.50	1.164	93.09	1.074	0.154	/
Ant.6	5.6G	Level3	802.11 a	Front Side	15	100	5500	0.02	0.094	17.50	18.50	1.259	98.26	1.018	0.120	/
	5.6G	Level3	802.11 a	Back Side	15	100	5500	-0.08	0.240	17.50	18.50	1.259	98.26	1.018	**0.308**	129#
Ant.6	5.6G	Level4	802.11 ac (VHT80)	Front Side	15	106	5530	0.03	0.046	14.98	15.50	1.127	93.09	1.074	0.056	/
	5.6G	Level4	802.11 ac (VHT80)	Back Side	15	106	5530	-0.01	0.118	14.98	15.50	1.127	93.09	1.074	0.143	/
Ant.6	5.8G	Level3	802.11 n (HT40)	Front Side	15	159	5795	0.03	0.022	11.98	13.00	1.265	96.35	1.038	0.029	/
	5.8G	Level3	802.11 n (HT40)	Back Side	15	159	5795	0.06	0.030	11.98	13.00	1.265	96.35	1.038	**0.039**	130#
Ant.6	5.8G	Level4	802.11 ac (VHT80)	Front Side	15	155	5775	0.04	0.015	10.68	11.50	1.208	93.09	1.074	0.019	/
	5.8G	Level4	802.11 ac (VHT80)	Back Side	15	155	5775	-0.11	0.020	10.68	11.50	1.208	93.09	1.074	0.026	/
Hotspot																
Ant.6	5.2G	Level3	802.11 a	Front Side	10	48	5240	-0.11	0.192	17.02	18.50	1.406	98.26	1.018	0.275	/
	5.2G	Level3	802.11 a	Back Side	10	48	5240	-0.03	0.342	17.02	18.50	1.406	98.26	1.018	0.490	/

	5.2G	Level3	802.11 a	Right Edge	10	48	5240	0.02	0.091	17.02	18.50	1.406	98.26	1.018	0.130	/
	5.2G	Level3	802.11 a	Top Edge	10	48	5240	0.06	0.548	17.02	18.50	1.406	98.26	1.018	**0.784**	131#
Ant.6	5.2G	Level4	802.11 ac (VHT80)	Front Side	10	42	5210	-0.11	0.089	14.47	15.50	1.268	93.09	1.074	0.121	/
	5.2G	Level4	802.11 ac (VHT80)	Back Side	10	42	5210	-0.09	0.158	14.47	15.50	1.268	93.09	1.074	0.215	/
	5.2G	Level4	802.11 ac (VHT80)	Right Edge	10	42	5210	0.02	0.043	14.47	15.50	1.268	93.09	1.074	0.059	/
	5.2G	Level4	802.11 ac (VHT80)	Top Edge	10	42	5210	-0.10	0.254	14.47	15.50	1.268	93.09	1.074	0.346	/
Ant.6	5.8G	Level3	802.11 n (HT40)	Front Side	10	159	5795	-0.04	0.017	11.98	13.00	1.265	96.35	1.038	0.022	/
	5.8G	Level3	802.11 n (HT40)	Back Side	10	159	5795	-0.09	0.020	11.98	13.00	1.265	96.35	1.038	0.026	/
	5.8G	Level3	802.11 n (HT40)	Right Edge	10	159	5795	0.12	0.045	11.98	13.00	1.265	96.35	1.038	**0.059**	132#
	5.8G	Level3	802.11 n (HT40)	Top Edge	10	159	5795	0.03	0.020	11.98	13.00	1.265	96.35	1.038	0.026	/
Ant.6	5.8G	Level4	802.11 ac (VHT80)	Front Side	10	155	5775	-0.10	0.012	10.68	11.50	1.208	93.09	1.074	0.016	/
	5.8G	Level4	802.11 ac (VHT80)	Back Side	10	155	5775	0.04	0.014	10.68	11.50	1.208	93.09	1.074	0.018	/
	5.8G	Level4	802.11 ac (VHT80)	Right Edge	10	155	5775	-0.02	0.031	10.68	11.50	1.208	93.09	1.074	0.040	/
	5.8G	Level4	802.11 ac (VHT80)	Top Edge	10	155	5775	-0.05	0.014	10.68	11.50	1.208	93.09	1.074	0.018	/

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.6	5.2&3G	Level3	802.11 a	Front Side	0	52	5260	-0.05	0.558	17.38	18.50	1.294	98.26	1.018	0.735	/
		Level3	802.11 a	Back Side	0	52	5260	-0.03	0.417	17.38	18.50	1.294	98.26	1.018	0.549	/
		Level3	802.11 a	Right Edge	0	52	5260	0.04	0.178	17.38	18.50	1.294	98.26	1.018	0.234	/
		Level3	802.11 a	Top Edge	0	52	5260	-0.07	1.440	17.38	18.50	1.294	98.26	1.018	**1.897**	133#
Ant.6	5.2&3G	Level4	802.11 ac (VHT80)	Front Side	0	58	5290	-0.10	0.251	14.84	15.50	1.164	93.09	1.074	0.314	/
		Level4	802.11 ac (VHT80)	Back Side	0	58	5290	-0.08	0.189	14.84	15.50	1.164	93.09	1.074	0.236	/
		Level4	802.11 ac (VHT80)	Right Edge	0	58	5290	0.10	0.079	14.84	15.50	1.164	93.09	1.074	0.099	/
		Level4	802.11 ac (VHT80)	Top Edge	0	58	5290	-0.06	0.658	14.84	15.50	1.164	93.09	1.074	0.823	/
Ant.6	5.6G	Level3	802.11 a	Front Side	0	100	5500	-0.09	0.342	17.50	18.50	1.259	98.26	1.018	0.438	/
		Level3	802.11 a	Back Side	0	100	5500	-0.01	0.310	17.50	18.50	1.259	98.26	1.018	0.397	/
		Level3	802.11 a	Right Edge	0	100	5500	-0.01	0.121	17.50	18.50	1.259	98.26	1.018	0.155	/
		Level3	802.11 a	Top Edge	0	100	5500	-0.07	1.110	17.50	18.50	1.259	98.26	1.018	**1.423**	134#
Ant.6	5.6G	Level4	802.11 ac (VHT80)	Front Side	0	106	5530	-0.11	0.179	14.98	15.50	1.127	93.09	1.074	0.217	/
		Level4	802.11 ac (VHT80)	Back Side	0	106	5530	-0.11	0.162	14.98	15.50	1.127	93.09	1.074	0.196	/
		Level4	802.11 ac (VHT80)	Right Edge	0	106	5530	0.00	0.063	14.98	15.50	1.127	93.09	1.074	0.076	/
		Level4	802.11 ac (VHT80)	Top Edge	0	106	5530	0.06	0.581	14.98	15.50	1.127	93.09	1.074	0.703	/
Ant.6	5.8G	Level3	802.11 n (HT40)	Front Side	0	159	5795	-0.04	0.043	11.98	13.00	1.265	96.35	1.038	0.056	/
		Level3	802.11 n (HT40)	Back Side	0	159	5795	0.10	0.046	11.98	13.00	1.265	96.35	1.038	0.060	/
		Level3	802.11 n (HT40)	Right Edge	0	159	5795	-0.06	0.017	11.98	13.00	1.265	96.35	1.038	0.022	/
		Level3	802.11 n (HT40)	Top Edge	0	159	5795	0.09	0.124	11.98	13.00	1.265	96.35	1.038	**0.163**	135#
Ant.6	5.8G	Level4	802.11 ac (VHT80)	Front Side	0	155	5775	0.03	0.028	10.68	11.50	1.208	93.09	1.074	0.036	/
		Level4	802.11 ac (VHT80)	Back Side	0	155	5775	-0.06	0.031	10.68	11.50	1.208	93.09	1.074	0.040	/

		Level4	802.11 ac (VHT80)	Right Edge	0	155	5775	-0.03	0.012	10.68	11.50	1.208	93.09	1.074	0.016	/
		Level4	802.11 ac (VHT80)	Top Edge	0	155	5775	0.01	0.085	10.68	11.50	1.208	93.09	1.074	0.110	/

11.38 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.6	DH5	Left Cheek	0	39	2441	0.12	0.137	10.45	11.50	1.274	77.14	1.296	**0.226**	136#
	DH5	Left Tilt	0	39	2441	-0.10	0.132	10.45	11.50	1.274	77.14	1.296	0.218	/
	DH5	Right Cheek	0	39	2441	0.08	0.058	10.45	11.50	1.274	77.14	1.296	0.096	/
	DH5	Right Tilt	0	39	2441	-0.07	0.021	10.45	11.50	1.274	77.14	1.296	0.035	/
Body-Wron														
Ant.6	DH5	Front Side	15	39	2441	-0.11	0.008	10.45	11.50	1.274	77.14	1.296	0.013	/
	DH5	Back Side	15	39	2441	0.09	0.013	10.45	11.50	1.274	77.14	1.296	**0.021**	137#
Hotspot														
Ant.6	DH5	Front Side	10	39	2441	0.03	0.018	10.45	11.50	1.274	77.14	1.296	0.030	/
	DH5	Back Side	10	39	2441	-0.09	0.029	10.45	11.50	1.274	77.14	1.296	**0.048**	138#
	DH5	Right Edge	10	39	2441	0.00	0.010	10.45	11.50	1.274	77.14	1.296	0.017	/
	DH5	Top Edge	10	39	2441	-0.04	0.019	10.45	11.50	1.274	77.14	1.296	0.031	/

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.6	DH5	Front Side	0	39	2441	-0.10	0.065	10.45	11.50	1.274	77.14	1.296	0.107	/
	DH5	Back Side	0	39	2441	-0.09	0.055	10.45	11.50	1.274	77.14	1.296	0.091	/
	DH5	Right Edge	0	39	2441	0.11	0.039	10.45	11.50	1.274	77.14	1.296	0.064	/
	DH5	Top Edge	0	39	2441	-0.02	0.076	10.45	11.50	1.274	77.14	1.296	**0.125**	139#

11.39 NFC SAR

1. According to the 2022.04 TCBC Workshop meeting, the power threshold is ≤ 100MHz, refer to P6s.

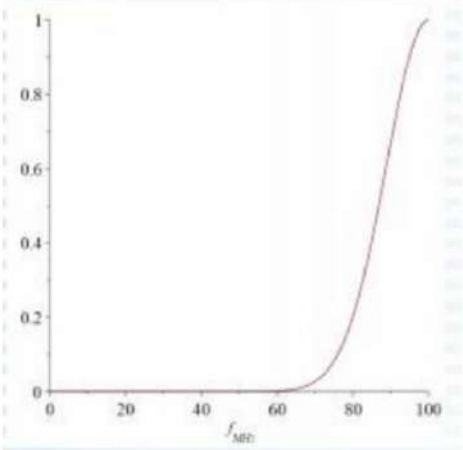
$$P_{7X}(d_{mm}, f_{MHz}) := \begin{cases} P_{6S}(d_{mm}, f_{MHz}) & f_{MHz} \le 100 \\ P_{6to7}(d_{mm}, f_{MHz}) & 100 < f_{MHz} \le 300 \\ P_{7}(d_{mm}, f_{MHz}) & 300 < f_{MHz} \end{cases}$$

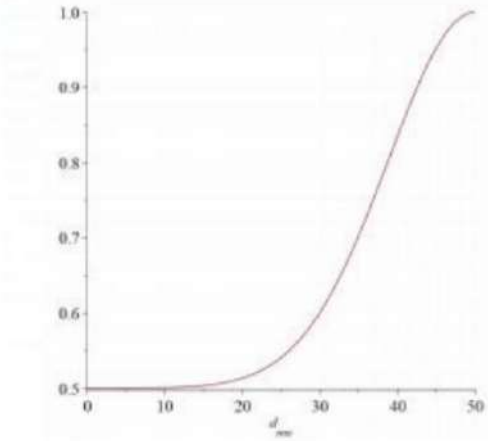
2. For portable products, when using a distance of ≤ 50mm, such as mobile phone NFC, P6s is calculated with the following formula calculate.

$$S_f(f_{MHz}) \cdot P_{431a}(d_{mm}, f_{MHz}) + (1 - S_f(f_{MHz})) \cdot S_d(d_{mm}) P_{431b1}(50., 100.) \cdot \left(1. + \log10\left(\frac{100.}{f_{MHz}}\right)\right) \qquad d_{mm} \le 50 \text{ and } f_{MHz} \le 100$$

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

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





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 ERP level (see guidance on determining the applicable antenna gain)

c) Add the appropriate maximum ground reflection factor to the ERP level (6 dB for frequencies ≤ 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 ERP of all chains in linear terms (e.g., Watts, mW).

e) Convert the resultant ERP level to an equivalent electric field strength using the following relationship: E = ERP - 20log D + 104.8

where:

E = electric field strength in dBμV/m,

ERP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

Mode	f (MHz)	Max. E-Field strength (dBuV/m)	D (m)	Ground reflection factor (dB)	ERP (dBm)
NFC (13.56MHz)	13.56	56.52	10	6	-22.28
Note: 1. Add the appropriate maximum ground reflection factor to the ERP level (6 dB for frequencies ≤ 30 MHz). 2.ERP= 56.52+20*Log(10) - 104.8 + 6 =-22.28 (dBm)					

According to the FCC KDB 447498 D04

Estimated SAR: SAR test =1.6 · Pant / Pth [W/kg]

Estimated SAR	1.6 ·Pant / Pth [W/kg]		
Pmeas.(dBm)	-22.28	Pmeas.(mW)	0.00592
Pth.(mW)	443.13		
NFC Estimated 1g SAR [W/kg]	＜0.001		

5. 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 1.588 [W/kg]. Therefore, the worst TER =(1.588+0.001)/1.6 = 0.993＜1,the NFC SAR transmit simultaneously Pass.

11.40 Worst Case of WCDMA Band 4 SAR

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.
Hotspot-Worce Case for Bracket													
Ant.1	DSI5	RMC	Bottom Edge	10	1513	1752.6	-0.06	0.806	22.75	23.50	1.189	**0.958**	140#
Hotspot-Worce Case for Secondary supply													
Ant.1	DSI5	RMC	Bottom Edge	10	1513	1752.6	-0.08	0.775	22.75	23.50	1.189	**0.921**	141#
Hotspot-Worce Case for Three supply													
Ant.1	DSI5	RMC	Bottom Edge	10	1513	1752.6	-0.08	0.807	22.75	23.50	1.189	**0.960**	142#

11.41 Worst Case of LTE Band4 (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-Worce Case for Bracket															
Ant.4	DSI1	QPSK	Right Tilt	0	20175	1732.5	1	Low	-0.01	0.779	15.92	17.00	1.282	**0.999**	143#
Head-Worce Case for Secondary supply															
Ant.4	DSI1	QPSK	Right Tilt	0	20175	1732.5	1	Low	-0.01	0.776	15.92	17.00	1.282	**0.995**	144#
Head-Worce Case for Three supply															
Ant.4	DSI1	QPSK	Right Tilt	0	20175	1732.5	1	Low	-0.02	0.796	15.92	17.00	1.282	**1.020**	145#

11.42 Worst Case of LTE Band7 (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.
Body-worn-Worce Case for Bracket															
Ant.1	DSI3	QPSK	Back Side	15	21100	2535	1	Mid	-0.02	0.425	19.88	21.00	1.294	**0.550**	146#
Body-worn-Worce Case for Secondary supply															
Ant.1	DSI3	QPSK	Back Side	15	21100	2535	1	Mid	0.05	0.459	19.88	21.00	1.294	**0.594**	147#
Body-worn-Worce Case for Three supply															
Ant.1	DSI3	QPSK	Back Side	15	21100	2535	1	Mid	-0.01	0.475	19.88	21.00	1.294	**0.615**	148#

11.43 Worst Case of LTE Band41 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	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	10 g Scaled SAR (W/kg)	Meas. No.
Specific-Worce Case for Bracket															
Ant.4	DSI3	QPSK	Top Edge	0	41490	2680	1	Low	-0.07	1.790	21.33	22.50	1.309	**2.343**	149#
Specific-Worce Case for Secondary supply															
Ant.4	DSI3	QPSK	Top Edge	0	41490	2680	1	Low	-0.05	1.810	21.33	22.50	1.309	**2.369**	150#
Specific-Worce Case for Three supply															
Ant.4	DSI3	QPSK	Top Edge	0	41490	2680	1	Low	-0.02	1.830	21.33	22.50	1.309	**2.395**	151#

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 ≤ 1.45 W/kg and the ratio of these highest SAR values, i.e., largest divided by smallest value, is ≤ 1.10, the highest SAR configuration for either head or body tissue-equivalent medium may be used to perform the repeated measurement. These additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

SAR repeated measurement procedure:

1. When the highest measured SAR is < 0.80 W/kg, repeated measurement is not required.
2. When the highest measured SAR is >= 0.80 W/kg, repeat that measurement once.
3. If the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20, or when the original or repeated measurement is >= 1.45 W/kg, perform a second repeated measurement.
4. If the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20, and the original, first or second repeated measurement is >= 1.5 W/kg, perform a third repeated measurement.

Frequency Band (MHz)	Wireless Band	RF Exposure Conditions	Test Position	Highest Measured SAR (W/kg)	Repeated SAR (Yes/No)	Repeated[1th] Measured SAR (W/kg)	Largest to Smallest SAR Radio
1880	WCDMA Band2	Head	Right Tilt	0.828	Yes	0.814	1.02
1852.4	WCDMA Band2	Specific	Bottom Edge	2.180	Yes	2.030	1.07
1712.4	WCDMA Band4	Head	Right Tilt	0.813	Yes	0.809	1.00
1752.6	WCDMA Band4	Hotspot	Bottom Edge	0.810	Yes	0.795	1.02
1752.6	WCDMA Band4	Specific	Bottom Edge	2.020	Yes	1.980	1.02
1900	LTE Band2	Head	Right Tilt	0.874	Yes	0.862	1.01
1732.5	LTE Band4	Head	Right Tilt	0.848	Yes	0.839	1.01
844	LTE Band5	Head	Right Cheek	0.802	Yes	0.795	1.01
711	LTE Band12	Head	Right Cheek	0.912	Yes	0.894	1.02
837.5	LTE Band19	Head	Right Cheek	0.948	Yes	0.921	1.03
1720	LTE Band66	Head	Right Tilt	0.870	Yes	0.858	1.01
1720	LTE Band66	Specific	Top Edge	2.220	Yes	2.050	1.08
3540	LTE Band42	Head	Left Cheek	0.815	Yes	0.804	1.01
1880	NR n2	Head	Right Tilt	0.884	Yes	0.852	1.04
2510	NR n7	Head	Right Tilt	0.920	Yes	0.908	1.01
2560	NR n7	Specific	Top Edge	2.090	Yes	1.980	1.06
707.5	NR n12	Head	Right Cheek	0.820	Yes	0.806	1.02
831.5	NR n26	Head	Right Cheek	0.924	Yes	0.901	1.03
1730	NR n66	Head	Right Tilt	0.850	Yes	0.834	1.02
2600	NR n38	Head	Right Tilt	0.808	Yes	0.796	1.02
2595	NR n38	Specific	Bottom Edge	2.270	Yes	2.100	1.08
3679.98	NR n48	Specific	Top Edge	2.120	Yes	2.040	1.04
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
1	5G WIFI + BT	Yes	Yes	Yes
2	WWAN + BT	Yes	Yes	Yes
3	WWAN + 2.4G WIFI	Yes	Yes	Yes
4	WWAN + 5G WIFI	Yes	Yes	Yes
5	WWAN + 5G WIFI + BT	Yes	Yes	Yes

Note:

1. WiFi 2.4G and Bluetooth share the same antenna, and can't transmit simultaneously.
2. The maximum SAR summation is calculated based on the same configuration and test position.
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 simultaneous transmission combinations of the more antennas contain combinations of less antennas, so only the worst simultaneous transmission combinations is shown in this report.

13.2 Sum SAR of Simultaneous Transmission

Please refer the document “BL-SZ2550149-AST.pdf”.

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: 878	2025/03/05	2026/03/04
Data Acquisition Electronics	Speag	DAE4	SN: 1710	2025/01/20	2026/01/19
Data Acquisition Electronics	Speag	DAE4	SN: 540	2025/04/21	2026/04/20
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
E-Field Probe	Speag	EX3DV4	SN: 3748	2025/04/24	2026/04/23
Signal Generator	Keysight	N5173B	MY62150163	2024/08/12	2025/08/11
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	6201524635	2024/08/29	2025/08/28
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	EF7239002652	2024/09/14	2025/09/13
Thermometer	Elitech	RC-4	EF5238001629	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
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: 1576	N/A	N/A

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
Phantom	Speag	SAM	SN: 2090	N/A	N/A
Phantom	Speag	SAM	SN: 1859	N/A	N/A
Attenuator	COM-MW	ZA-S1-31	1305003187	N/A	N/A
Directional coupler	AA-MCS	AAMCS-UDC	000272	N/A	N/A

Note: For dipole antennas, BALUN has adopted 3 years as calibration intervals, and on annual basis, every measurement dipole has been evaluated and is in compliance with the following criteria:

1. There is no physical damage on the dipole;
2. System validation with specific dipole is within 10% of calibrated value;
3. Return-loss in within 20% of calibrated measurement.
4. Impedance (real or imaginary parts) in within 5 Ohms of calibrated measurement.

ANNEX A SIMULATING LIQUID VERIFICATION RESULT

The dielectric parameters of the liquids were verified prior to the SAR evaluation using an SCLMP Dielectric Probe Kit.

Head Liquid

Date	Fre. (MHz)	Temp. (℃)	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ε)	Target Conductivity (σ) (S/m)	Target Permittivsit y (ε)	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2025.05.07	750	21.5	0.91	40.55	0.89	41.94	2.25	-3.31
2025.05.08	750	21.2	0.92	40.83	0.89	41.94	3.37	-2.65
2025.05.09	750	21.2	0.88	41.67	0.89	41.94	-1.12	-0.64
2025.05.10	750	21.6	0.88	43.22	0.89	41.94	-1.12	3.05
2025.05.11	750	21.2	0.90	40.86	0.89	41.94	1.12	-2.58
2025.05.12	750	21.5	0.92	41.00	0.89	41.94	3.37	-2.24
2025.05.13	835	21.6	0.90	41.19	0.90	41.50	0.00	-0.75
2025.05.14	835	21.2	0.88	41.93	0.90	41.50	-2.22	1.04
2025.05.15	835	21.5	0.90	42.75	0.90	41.50	0.00	3.01
2025.05.16	835	21.5	0.90	41.53	0.90	41.50	0.00	0.07
2025.05.17	835	21.7	0.88	42.84	0.90	41.50	-2.22	3.23
2025.05.18	835	21.4	0.88	42.62	0.90	41.50	-2.22	2.70
2025.05.19	835	21.3	0.90	42.05	0.90	41.50	0.00	1.33
2025.05.20	1750	21.1	1.38	39.39	1.37	40.08	0.73	-1.72
2025.05.21	1750	21.7	1.40	40.79	1.37	40.08	2.19	1.77
2025.05.22	1750	21.4	1.42	40.22	1.37	40.08	3.65	0.35
2025.05.23	1750	21.5	1.35	38.72	1.37	40.08	-1.46	-3.39
2025.05.24	1750	21.4	1.42	39.23	1.37	40.08	3.65	-2.12
2025.05.25	1750	21.7	1.40	38.80	1.37	40.08	2.19	-3.19
2025.05.26	1950	21.4	1.44	38.90	1.40	40.00	2.86	-2.75
2025.05.27	1950	21.5	1.41	39.69	1.40	40.00	0.71	-0.78
2025.05.28	1950	21.7	1.42	38.76	1.40	40.00	1.43	-3.10
2025.05.29	1950	21.6	1.40	39.33	1.40	40.00	0.00	-1.68
2025.05.20	2450	21.5	1.83	39.28	1.80	39.20	1.67	0.20
2025.05.30	2450	21.4	1.85	38.53	1.80	39.20	2.78	-1.71
2025.05.30	2600	21.6	1.96	38.88	1.96	39.01	0.00	-0.33
2025.05.31	2600	21.6	2.00	38.91	1.96	39.01	2.04	-0.26
2025.06.01	2600	21.7	1.92	38.86	1.96	39.01	-2.04	-0.38
2025.06.02	2600	21.6	1.95	38.02	1.96	39.01	-0.51	-2.54
2025.06.03	2600	21.5	2.01	38.67	1.96	39.01	2.55	-0.87
2025.06.04	2600	21.4	2.01	38.55	1.96	39.01	2.55	-1.18
2025.05.24	2600	21.6	1.96	38.62	1.96	39.01	0.00	-1.00
2025.05.25	2600	21.7	1.99	38.34	1.96	39.01	1.53	-1.72

2025.05.26	2600	21.5	1.97	38.63	1.96	39.01	0.51	-0.97
2025.05.27	2600	21.3	1.99	39.54	1.96	39.01	1.53	1.36
2025.05.28	2600	21.6	1.94	38.54	1.96	39.01	-1.02	-1.20
2025.05.29	2600	21.7	1.96	38.63	1.96	39.01	0.00	-0.97
2025.05.30	3500	21.4	2.88	37.47	2.91	37.93	-1.03	-1.21
2025.05.31	3500	21.6	2.93	38.04	2.91	37.93	0.69	0.29
2025.06.01	3500	21.6	2.93	38.19	2.91	37.93	0.69	0.69
2025.05.21	3500	21.4	3.00	37.26	2.91	37.93	3.09	-1.77
2025.05.22	3500	21.3	2.83	37.70	2.91	37.93	-2.75	-0.61
2025.05.23	3500	21.6	2.85	39.01	2.91	37.93	-2.06	2.85
2025.05.24	3500	21.5	2.85	39.12	2.91	37.93	-2.06	3.14
2025.06.02	3700	21.8	3.15	36.51	3.12	37.70	0.96	-3.16
2025.06.03	3700	21.5	3.15	37.01	3.12	37.70	0.96	-1.83
2025.06.04	3700	21.6	3.19	36.90	3.12	37.70	2.24	-2.12
2025.05.25	3700	21.5	3.18	38.17	3.12	37.70	1.92	1.25
2025.05.26	3700	21.6	3.07	37.68	3.12	37.70	-1.60	-0.05
2025.05.27	3700	21.5	3.10	37.26	3.12	37.70	-0.64	-1.17
2025.05.28	3700	21.7	3.07	37.46	3.12	37.70	-1.60	-0.64
2025.05.29	3700	21.4	3.22	37.99	3.12	37.70	3.21	0.77
2025.05.30	3900	21.4	3.25	36.90	3.32	37.47	-2.11	-1.52
2025.05.31	3900	21.7	3.37	37.66	3.32	37.47	1.51	0.51
2025.06.01	3900	21.4	3.35	38.22	3.32	37.47	0.90	2.00
2025.06.02	5250	21.2	4.71	36.04	4.71	35.93	0.00	0.31
2025.06.03	5600	21.4	5.11	35.04	5.07	35.53	0.79	-1.38
2025.06.04	5750	21.5	5.21	34.89	5.22	35.36	-0.19	-1.33
Note: The tolerance limit of Conductivity and Permittivity is± 5%.								

ANNEX B SYSTEM CHECK RESULT

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

Head liquid 1g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2025.05.07	Head	750	100	0.856	8.56	8.46	1.18
2025.05.08	Head	750	100	0.836	8.36	8.46	-1.18
2025.05.09	Head	750	100	0.851	8.51	8.46	0.59
2025.05.10	Head	750	100	0.847	8.47	8.46	0.12
2025.05.11	Head	750	100	0.862	8.62	8.46	1.89
2025.05.12	Head	750	100	0.849	8.49	8.46	0.35
2025.05.13	Head	835	100	0.993	9.93	9.74	1.95
2025.05.14	Head	835	100	0.973	9.73	9.74	-0.10
2025.05.15	Head	835	100	0.976	9.76	9.74	0.21
2025.05.16	Head	835	100	0.963	9.63	9.74	-1.13
2025.05.17	Head	835	100	0.976	9.76	9.74	0.21
2025.05.18	Head	835	100	0.963	9.63	9.74	-1.13
2025.05.19	Head	835	100	0.962	9.62	9.74	-1.23
2025.05.20	Head	1750	100	3.720	37.20	37.00	0.54
2025.05.21	Head	1750	100	3.680	36.80	37.00	-0.54
2025.05.22	Head	1750	100	3.780	37.80	37.00	2.16
2025.05.23	Head	1750	100	3.720	37.20	37.00	0.54
2025.05.24	Head	1750	100	3.680	36.80	37.00	-0.54
2025.05.25	Head	1750	100	3.630	36.30	37.00	-1.89
2025.05.26	Head	1950	100	4.100	41.00	41.70	-1.68
2025.05.27	Head	1950	100	4.140	41.40	41.70	-0.72
2025.05.28	Head	1950	100	4.200	42.00	41.70	0.72
2025.05.29	Head	1950	100	4.130	41.30	41.70	-0.96
2025.05.20	Head	2450	100	5.230	52.30	52.60	-0.57
2025.05.30	Head	2450	100	5.270	52.70	52.60	0.19
2025.05.30	Head	2600	100	5.630	56.30	55.90	0.72
2025.05.31	Head	2600	100	5.640	56.40	55.90	0.89
2025.06.01	Head	2600	100	5.560	55.60	55.90	-0.54
2025.06.02	Head	2600	100	5.580	55.80	55.90	-0.18
2025.06.03	Head	2600	100	5.530	55.30	55.90	-1.07
2025.06.04	Head	2600	100	5.520	55.20	55.90	-1.25
2025.05.24	Head	2600	100	5.640	56.40	55.90	0.89
2025.05.25	Head	2600	100	5.580	55.80	55.90	-0.18
2025.05.26	Head	2600	100	5.650	56.50	55.90	1.07
2025.05.27	Head	2600	100	5.540	55.40	55.90	-0.89

2025.05.28	Head	2600	100	5.570	55.70	55.90	-0.36
2025.05.29	Head	2600	100	5.530	55.30	55.90	-1.07
2025.05.30	Head	3500	100	6.780	67.80	68.00	-0.29
2025.05.31	Head	3500	100	6.880	68.80	68.00	1.18
2025.06.01	Head	3500	100	6.870	68.70	68.00	1.03
2025.05.21	Head	3500	100	8.190	81.90	81.30	0.74
2025.05.22	Head	3500	100	6.750	67.50	68.00	-0.74
2025.05.23	Head	3500	100	6.810	68.10	68.00	0.15
2025.05.24	Head	3500	100	6.880	68.80	68.00	1.18
2025.06.02	Head	3700	100	6.790	67.90	66.70	1.80
2025.06.03	Head	3700	100	6.780	67.80	66.70	1.65
2025.06.04	Head	3700	100	6.680	66.80	66.70	0.15
2025.05.25	Head	3700	100	6.650	66.50	66.70	-0.30
2025.05.26	Head	3700	100	6.730	67.30	66.70	0.90
2025.05.27	Head	3700	100	6.730	67.30	66.70	0.90
2025.05.28	Head	3700	100	6.630	66.30	66.70	-0.60
2025.05.29	Head	3700	100	6.820	68.20	66.70	2.25
2025.05.30	Head	3900	100	6.980	69.80	67.60	3.25
2025.05.31	Head	3900	100	6.920	69.20	67.60	2.37
2025.06.01	Head	3900	100	6.870	68.70	67.60	1.63
2025.06.02	Head	5250	100	7.520	75.20	77.70	-3.22
2025.06.03	Head	5600	100	8.210	82.10	81.30	0.98
2025.06.04	Head	5750	100	8.030	80.30	77.60	3.48
Note: The tolerance limit of System validation ±10%.							

Head liquid 10g

Date	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2025.05.20	Head	1750	100	1.970	19.70	19.70
2025.05.21	Head	1750	100	1.990	19.90	19.70
2025.05.22	Head	1750	100	1.980	19.80	19.70
2025.05.23	Head	1750	100	1.980	19.80	19.70
2025.05.24	Head	1750	100	1.970	19.70	19.70
2025.05.25	Head	1750	100	1.930	19.30	19.70
2025.05.26	Head	1950	100	2.140	21.40	21.70
2025.05.27	Head	1950	100	2.160	21.60	21.70
2025.05.28	Head	1950	100	2.140	21.40	21.70
2025.05.29	Head	1950	100	2.150	21.50	21.70
2025.05.20	Head	2450	100	2.530	25.30	24.70
2025.05.30	Head	2600	100	2.580	25.80	25.40
2025.05.31	Head	2600	100	2.520	25.20	25.40
2025.06.01	Head	2600	100	2.540	25.40	25.40
2025.06.02	Head	2600	100	2.530	25.30	25.40
2025.06.03	Head	2600	100	2.460	24.60	25.40
2025.06.04	Head	2600	100	2.550	25.50	25.40
2025.05.24	Head	2600	100	2.480	24.80	25.40
2025.05.25	Head	2600	100	2.510	25.10	25.40
2025.05.26	Head	2600	100	2.610	26.10	25.40
2025.05.27	Head	2600	100	2.580	25.80	25.40
2025.05.28	Head	2600	100	2.540	25.40	25.40
2025.05.29	Head	2600	100	2.610	26.10	25.40
2025.05.25	Head	3700	100	2.550	25.50	24.60
2025.06.02	Head	5250	100	2.210	22.10	22.00
2025.06.03	Head	5600	100	2.340	23.40	23.10
2025.06.04	Head	5750	100	2.220	22.20	21.90
Note: The tolerance limit of System validation ±10%.						

Please refer the document “BL-SZ2550149-ASC.pdf”.

ANNEX C TEST DATA

Please refer the document “BL-SZ2550149-ATD.pdf”.

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2550149-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ2550149-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “BL-SZ2550149-AC.pdf”.

ANNEX G TUNE-UP PROCEDURE

Please refer the document “BL-SZ2550149 Tune-up Procedure.pdf”.

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