

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: 2508CRN2BE
Brand Name: Redmi
FCC ID: 2AFZZRN2BE
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@5mm): 1.09 W/kg
Hotspot (1 g@10mm): 0.94 W/kg
Specific (10 g@0mm): 2.12 W/kg
Sample Arrival Date: Jun. 05, 2025
Test Date: Jun. 06, 2025 - Jul. 30, 2025
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ISSUED BY:

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Revision History		
Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Jul. 2, 2025</u>	<u>Initial Issue</u>
<u>Rev. 02</u>	<u>Aug. 1, 2025</u>	<u>Added 2.6-section LTE Band 48 and N48, update WiFi Power and its associated data.</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

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

1.2 Test Location

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

1.3 Test Environment Condition

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

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	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	2508CRN2BE
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	135100P15
Software Version	Xiaomi HyperOS 2.0
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A
EUT ID	SC-SZ2550278: S21, S22, S23, S24, S25, S26
IMEI Number	SC-SZ2550278-S21: IMEI 1: 868544070046840, IMEI 2: 868544070046857
	SC-SZ2550278-S22: IMEI 1: 868544070046741, IMEI 2: 868544070046758
	SC-SZ2550278-S23: IMEI 1: 868544070047145, IMEI 2: 868544070047152
	SC-SZ2550278-S24: IMEI 1: 868544070047343, IMEI 2: 868544070047350
	SC-SZ2550278-S25: IMEI 1: 868544070063605, IMEI 2: 868544070063613
	SC-SZ2550278-S26: IMEI 1: 868544070063480, IMEI 2: 868544070063498

Note1: EUT ID is used to identify the test sample in the lab internally.

Note2: It is performed to test SAR with the EUT S22, S23, S24, S25, S26.

Note3: It is performed to conducted power with the EUT S21.

2.5 Ancillary Equipment

Please refer the document “BL-SZ2560099-AW.pdf”.

2.6 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 3G Network WCDMA/HSDPA/HSUPA/DC-HSDPA/HSPA+ Band 2/4/5 4G Network FDD LTE Band 2/4/5/7/12/13/17/18/19/26/66/71 TDD LTE Band 38/41/42/48 LTE CA Uplink (UL): CA_7C, CA_38C, CA_2A-4A, CA_2A-7A, CA_4A-5A, CA_4A-7A 5G Network SA: NR n2/n5/n7/n12/n26/n38/n41/n48/n66/n71/n77/n78 NSA(EN-DC): DC_2A_n78A, DC_2A_n77A, DC_2A_n66A, DC_2A_n41A, DC_2A_n38A, DC_2A_n7A, DC_4A_n78A, DC_4A_n66A, DC_4A_n41A, DC_4A_n38A, DC_4A_n7A, DC_4A_n2A, DC_5A_n78A, DC_5A_n66A, DC_5A_n41A, DC_5A_n7A, DC_7A_n78A, DC_7A_n66A, DC_7A_n5A, DC_18A_n77A, DC_19A_n78A, DC_26A_n78A, DC_66A_n78A, DC_66A_n41A, DC_66A_n38A, DC_66A_n7A, DC_66A_n2A, 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) and 802.11ac(VHT20/40/80) GPS, Beidou , Galileo, Glonass , NFC, FM receiver
Note: The EUT is a mobile phone, which supports dual SIM card under the same transceiver. Each SIM supports GSM, WCDMA, LTE and NR, 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 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	LTE Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	LTE Band 12	TX: 699 ~ 716 MHz	RX: 729 ~ 746 MHz
	LTE Band 13	TX: 777 ~ 787 MHz	RX: 746 ~ 756 MHz
	LTE Band 17	TX: 704 ~ 716 MHz	RX: 734 ~ 746 MHz
LTE Band 18	TX: 815 ~ 824 MHz	RX: 860 ~ 869 MHz	

		TX: 824 ~ 830 MHz	RX: 869 ~ 875 MHz
	LTE Band 19	TX: 830 ~ 845 MHz	RX: 875 ~ 890 MHz
	LTE Band 26	TX: 814 ~ 824 MHz	RX: 859 ~ 869 MHz
		TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 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
	LTE Band 66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2180 MHz
	LTE Band 71	TX: 663 ~ 698 MHz	RX: 617 ~ 652 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 n38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	NR n41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	NR n66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2200 MHz
	NR n71	TX: 663 ~ 698 MHz	RX: 617 ~ 652 MHz
	NR n48	TX: 3550 ~ 3700 MHz	RX: 3550 ~ 3700 MHz
		TX: 3450 ~ 3550 MHz	RX: 3450 ~ 3550 MHz
	NR n77	TX: 3700 ~ 3980 MHz	RX: 3700 ~ 3980 MHz
		TX: 3450 ~ 3550 MHz	RX: 3450 ~ 3550 MHz
	NR n78	TX: 3700 ~ 3800 MHz	RX: 3700 ~ 3800 MHz
		TX: 3450 ~ 3550 MHz	RX: 3450 ~ 3550 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		
DTM	N/A		
Hotspot Function	Support		
Power Reduction	Support		
Exposure Category	General Population/Uncontrolled exposure		
Product Type	Portable Device		
EUT Type	<input checked="" type="checkbox"/> Production unit	<input type="checkbox"/> Identical prototype	
Note:			

1. The device utilizes independent power reduction mechanisms for SAR compliance for the 2/3/4/5G transmitter for held-to-ear exposure conditions.
2. The device utilizes independent power reduction mechanisms for SAR compliance for the 2/3/4/5G transmitter for near to body exposure conditions.
3. The reduction power details please refer section 8.1

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/ Controlled Exposure
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	Specific
		(Separation 0mm)	(Separation 5mm)	(Separation 10mm)	(Separation 0mm)
PCE	GSM 850	1.07	0.98	0.34	/
	GSM 1900	0.99	1.02	0.94	/
	WCDMA Band 2	1.03	0.92	0.46	1.44
	WCDMA Band 4	0.81	0.71	0.46	1.12
	WCDMA Band 5	1.02	1.03	0.41	/
	LTE Band 2	0.93	0.80	0.55	1.49
	LTE Band 4	1.00	0.72	0.48	1.15
	LTE Band 5	1.09	1.08	0.35	/
	LTE Band 7	1.07	0.80	0.42	1.07
	LTE Band 12	0.93	0.74	0.26	/
	LTE Band 13	1.05	1.03	0.30	/
	LTE Band 17	0.94	0.74	0.25	/
	LTE Band 18	0.92	0.77	0.22	/
	LTE Band 19	1.06	0.86	0.34	/
	LTE Band 26	1.02	1.09	0.37	/
	LTE Band 66	0.99	0.67	0.49	1.21
	LTE Band 71	0.73	0.60	0.23	/
	LTE Band 38	1.03	0.84	0.42	1.44
	LTE Band 41	1.03	0.87	0.43	1.55
	LTE Band 42	1.08	1.00	0.44	/
	LTE Band 48	0.97	1.03	0.43	/
	NR 2	0.92	0.94	0.64	1.58
	NR 5	0.87	0.93	0.36	/
	NR 7	1.01	0.75	0.38	1.41
	NR 12	0.88	0.61	0.24	/
	NR 26	0.97	0.78	0.32	/
	NR 66	1.03	0.76	0.57	1.63
	NR 71	0.74	0.56	0.25	/
NR 38	1.01	0.96	0.63	2.01	
NR 41	0.94	0.93	0.82	2.12	
NR 48	1.01	1.06	0.56	/	
NR 77	1.06	1.06	0.71	/	
NR 78	0.96	0.99	0.49	/	
DTS	2.4 G WIFI	0.34	0.44	0.19	0.53

NII	5.2G WIFI	/	/	0.05	/
	5.3G WIFI	0.29	0.23	/	0.11
	5.6 G WIFI	0.34	0.25	/	0.13
	5.8 G WIFI	0.27	0.18	0.09	0.09
DSS	Bluetooth	0.23	0.21	0.11	0.26
Maximum Report SAR		1.09	1.09	0.94	2.12
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	Specific
	(Separation 0mm)	(Separation 5mm)	(Separation 10mm)	(Separation 0mm)
PCE	1.59	1.59	1.25	2.64
DTS	1.39	1.57	1.22	2.64
NII	1.59	1.59	1.25	2.50
DSS	1.59	1.59	1.25	2.50
Limit (W/Kg)	1.6	1.6	1.6	4
Verdict	Pass			
Note: The highest simultaneous SAR please refer section 14				

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 2.12 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:

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

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

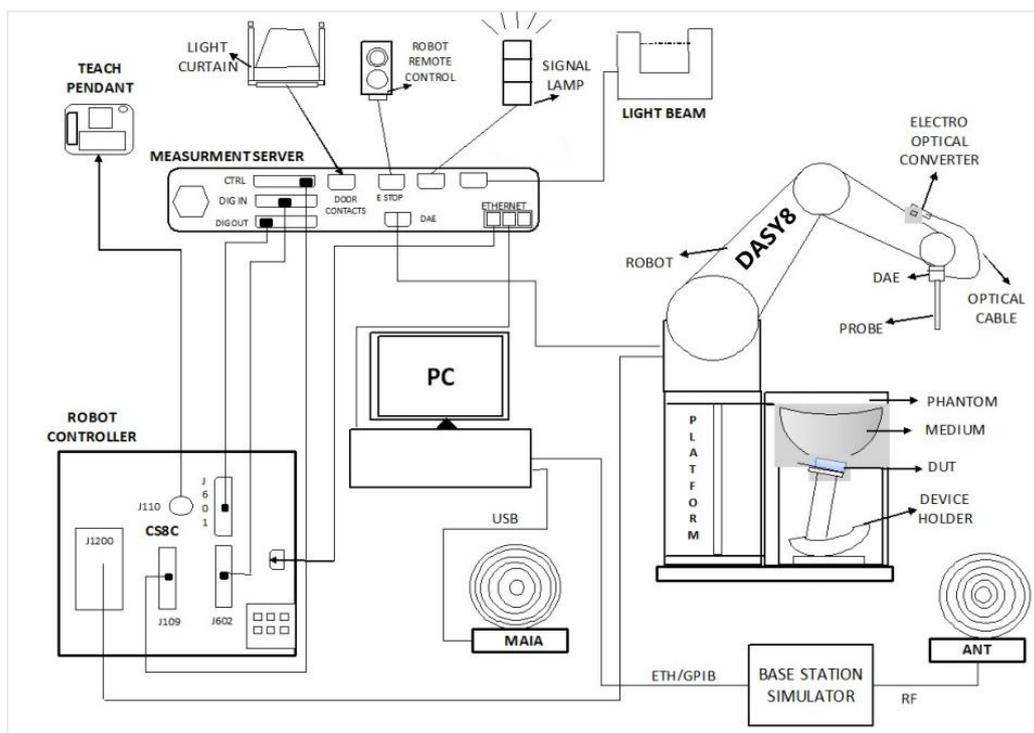
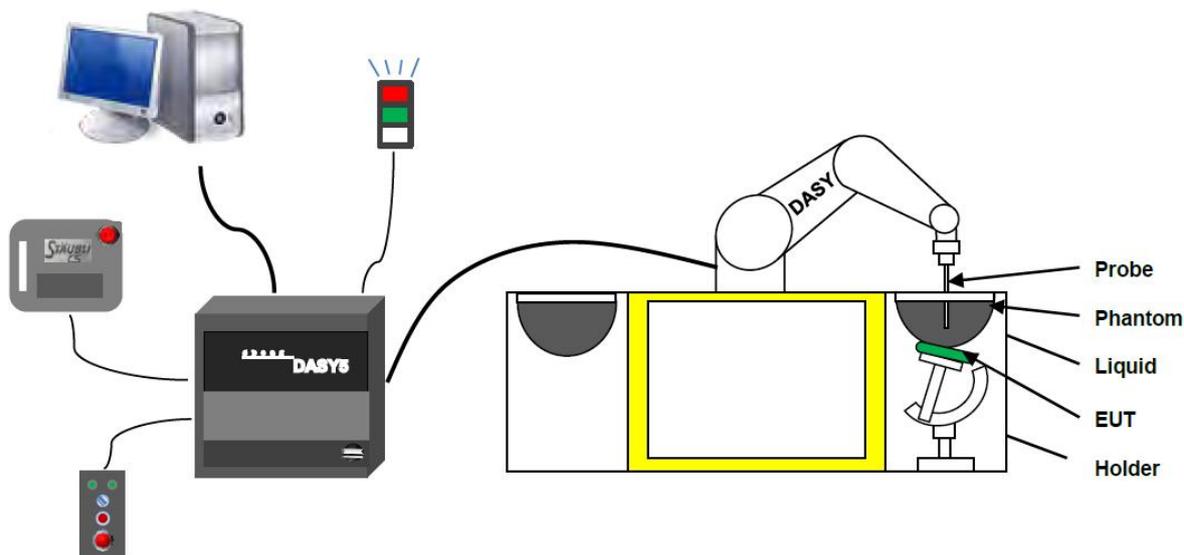
$$\mathbf{SAR} = \frac{\sigma E^2}{\rho}$$

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.

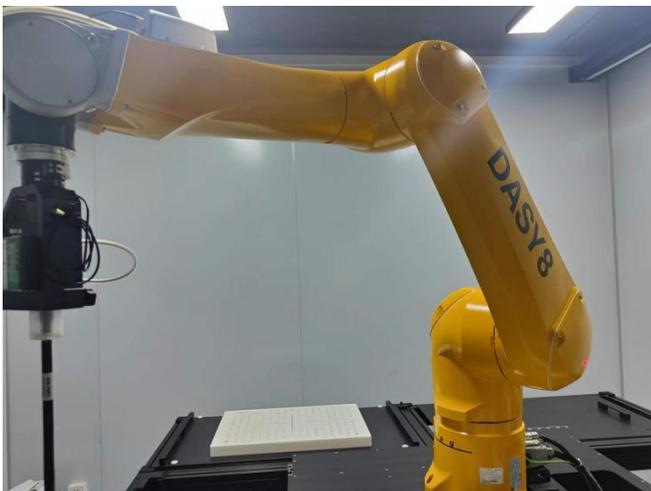
4. A unit to operate the optical surface detector which is connected to the EOC.
5. The Electro-Optical Coupler (EOC) performs the conversion from the optical into a digital electric signal of the DAE. The EOC is connected to the DASY measurement server.
6. The DASY measurement server, which performs 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 system Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	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 μ W/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: 200M Ω
- 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 SN1858



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 1858 SAM3	Vinylester, glass fiber reinforced	1000	500
SN 1859 SAM4	Vinylester, glass fiber reinforced	1000	500

4.2.6 Device Holder

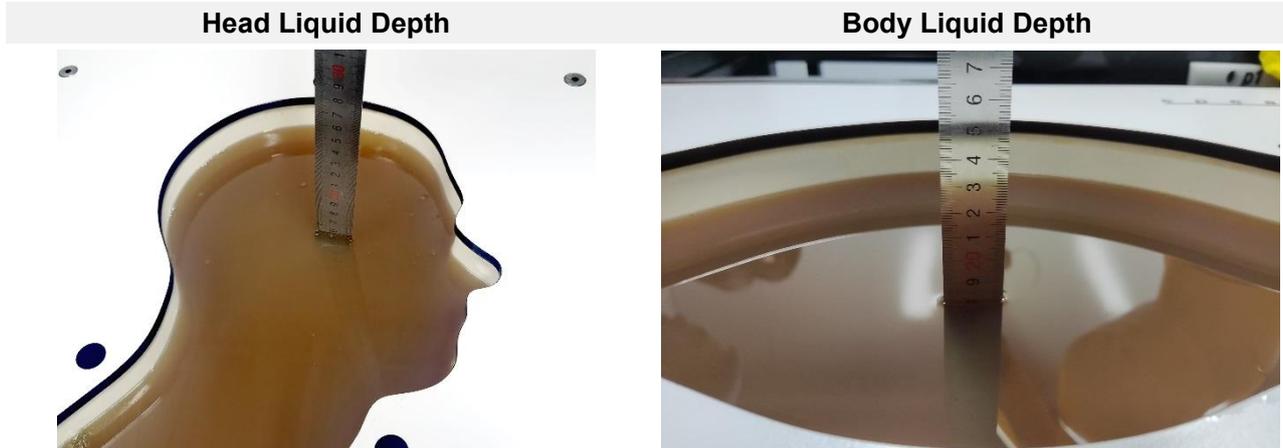
The DASY5 device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of 65° . The bottom plate contains three pair of bolts for 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%.



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	Ethenediol, Sodium petroleum sulfonate, Hexylene Glycol / 2-Methyl-pentane-2.4-diol, Alkoxylated alcohol

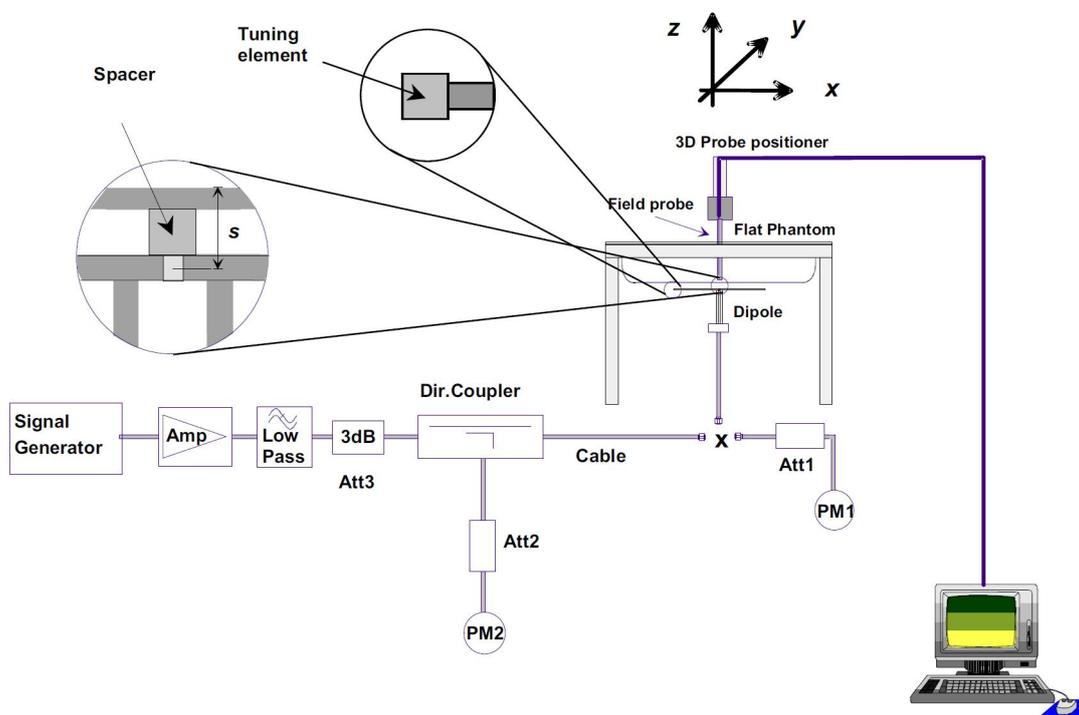
5 SYSTEM VERIFICATION

5.1 Purpose of System Check

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

5.2 System Check Setup

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



6 TEST POSITION CONFIGURATIONS

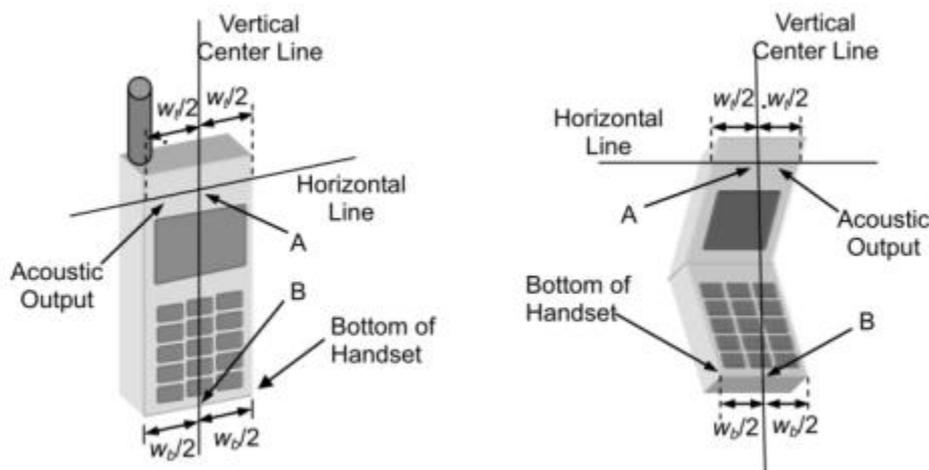
According to KDB 648474 D04 Handset, handsets are tested for SAR compliance in head, body-worn accessory and other use configurations described in the following subsections.

6.1 Head Exposure Conditions

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

6.1.1 Two Imaginary Lines on the Handset

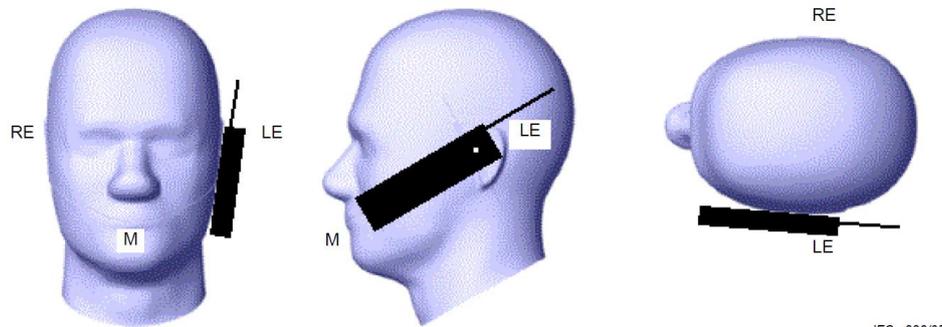
- The vertical center line passes through two points on the front side of the handset - the midpoint of the width w_t of the handset at the level of the acoustic output, and the midpoint of the width w_b of the bottom of the handset.
- The horizontal line is perpendicular to the vertical centerline and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



6.1.2 Cheek Position

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

contact with the ear, move the bottom of the phone until any point on the front side is in contact with the cheek of the phantom or until contact with the ear is lost.



6.1.3 Tilted Position

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

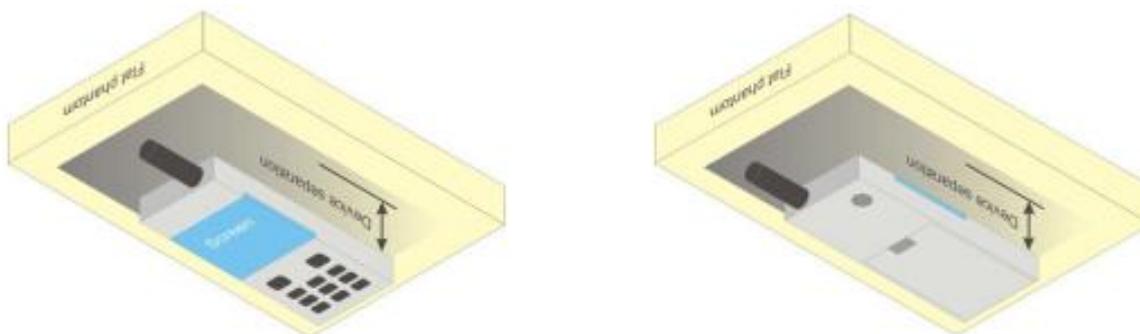


6.2 Body-worn Position Conditions

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

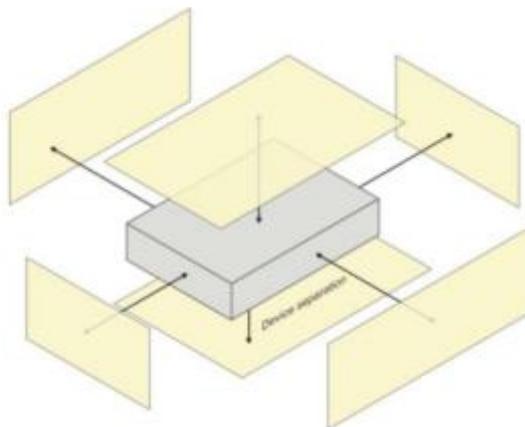
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.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

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



6.3 Hotspot Mode Exposure Position Conditions

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



6.4 Product Specific 10g Exposure Consideration

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

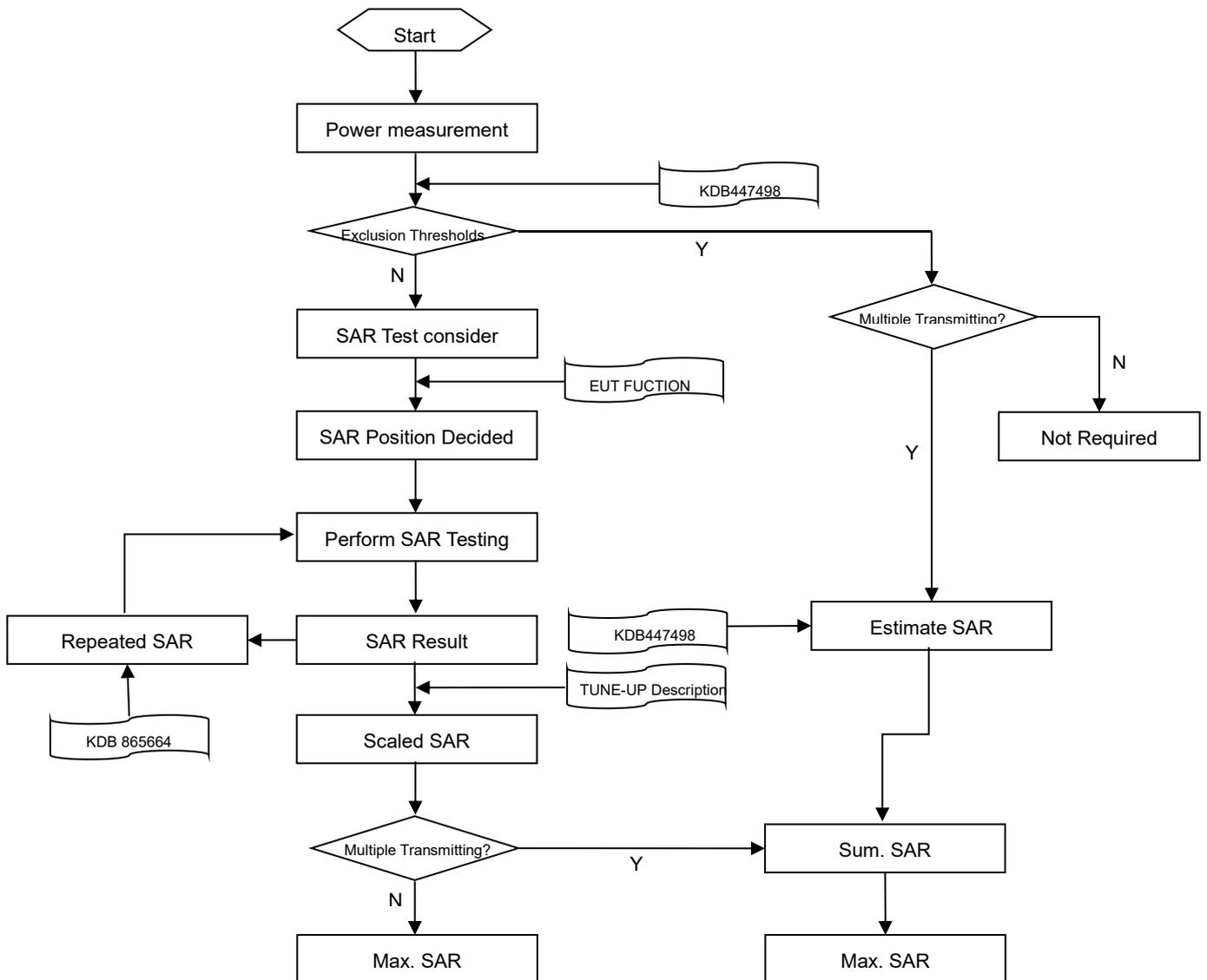
The UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at ≤ 25 mm from that surface or edge, in direct contact with a flat phantom, for 10-g extremity SAR according to the body-equivalent tissue dielectric parameters in KDB 865664 to address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

6

6.

7 MEASUREMENT PROCEDURE

7.1 Measurement Process Diagram



7.2 SAR Scan General Requirement

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

		≤3GHz	>3GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface		5±1 mm	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5$ mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location		30°±1°	20°±1°
Maximum area scan spatial resolution: Δx Area , Δy Area		≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3–4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm
		When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	
Maximum zoom scan spatial resolution: Δx Zoom , Δy Zoom		≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm*	3–4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: Δz Zoom (n)	≤ 5 mm	3–4 GHz: ≤ 4 mm
			4–5 GHz: ≤ 3 mm
	graded grid	≤ 4 mm	3–4 GHz: ≤ 3 mm
			4–5 GHz: ≤ 2.5 mm
	Δz Zoom (1): between 1st two points closest to phantom surface		5–6 GHz: ≤ 2 mm
	Δz Zoom (n>1): between subsequent points		≤ 1.5· Δz Zoom (n-1)
Minimum zoom scan volume	x, y, z	≥30 mm	3–4 GHz: ≥ 28 mm
			4–5 GHz: ≥ 25 mm
			5–6 GHz: ≥ 22 mm
Note: <ol style="list-style-type: none"> δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details. * When zoom scan is required and the reported SAR from the area scan based 1 g SAR estimation procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz. 			

7.3 Measurement Procedure

The following steps are used for each test position

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

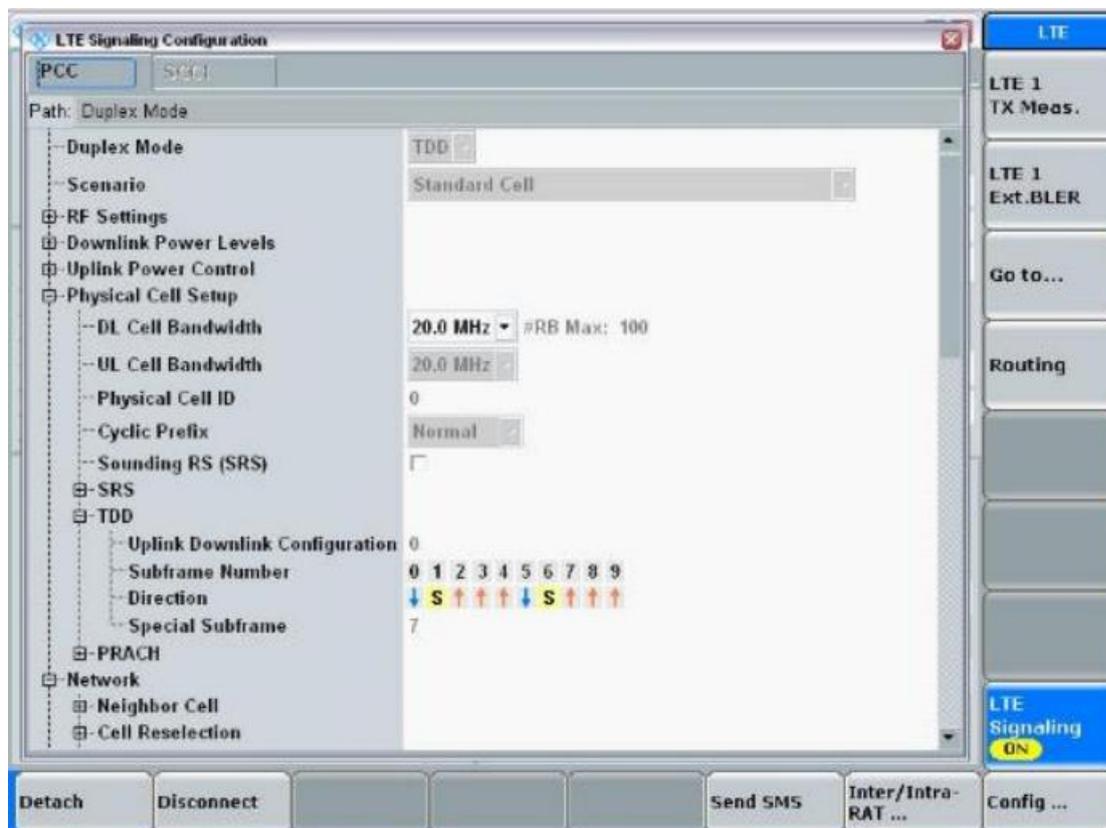
7.4 Area & Zoom Scan Procedure

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

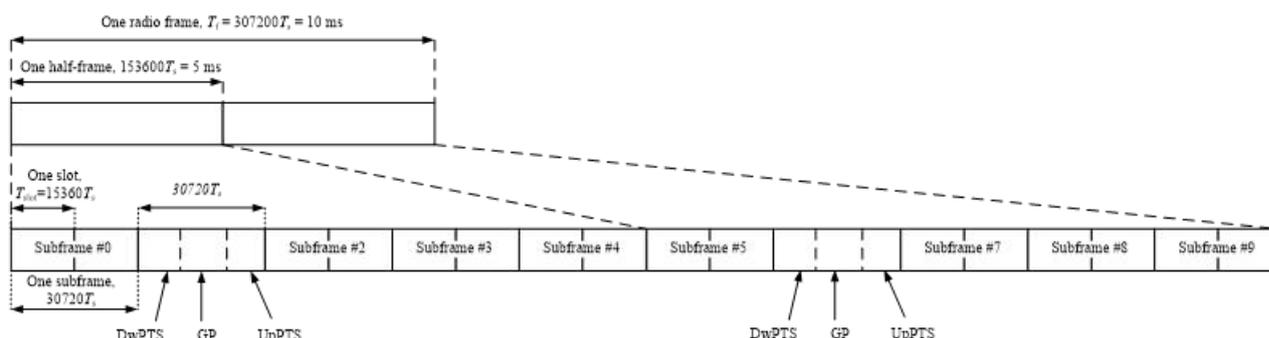
When the 1 g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR.

7.5 Area & Zoom Scan Procedure

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



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



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

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

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

Special sub-frame configuration	Normal cyclic prefix in downlink			Extended cyclic prefix in downlink		
	DwPTS	UpPTS		DwPTS	UpPTS	
		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
0	$6592 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$	$7680 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$
1	$19760 \cdot T_s$			$20480 \cdot T_s$		
2	$21592 \cdot T_s$			$23040 \cdot T_s$		
3	$24144 \cdot T_s$			$25600 \cdot T_s$		
4	$26336 \cdot T_s$			$7680 \cdot T_s$		
5	$6592 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$	$20480 \cdot T_s$	$2560 \cdot T_s$	$5120 \cdot T_s$
6	$19760 \cdot T_s$			$23040 \cdot T_s$		
7	$21592 \cdot T_s$			$12800 \cdot T_s$		
8	$24144 \cdot T_s$			-		
9	$13168 \cdot T_s$			-		

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

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

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

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

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

8 CONDUCTED RF OUPUT POWER

8.1 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

Reduced level	Sensor state	Receiver state	Transmitting	Antenna	Position
			conditions		
DSI1	/	On (head scenario)	WWAN Use Only & WWAN + WLAN	Ant.1	Head
				Ant.2	
				Ant.3	
				Ant.4	
				Ant.5	
				Ant.7	
DSI2	Sensor(1) On	Off (Body scenario)	WWAN Use Only & WWAN + WLAN	Ant.1	Front Side;Back Side;Bottom Edge
				Ant.2	
				Ant.3	
				Ant.4	
				Ant.5	
				Ant.7	
DSI3	Sensor(2/3) On	Off (Body scenario)	WWAN Use Only & WWAN + WLAN	Ant.1	Front Side;Back Side;Left Edge;Top Edge
				Ant.2	
				Ant.3	
				Ant.4	
				Ant.5	
				Ant.7	
DSI4	Sensor Off	Off (Body scenario)	WWAN Use Only & WWAN + WLAN	Ant.1	Front Side;Back Side;Left Edge;Right Edge;Top Edge;Bottom Edge
				Ant.2	
				Ant.3	
				Ant.4	
				Ant.5	

				Ant.7	
DSI5	/	Off (Hotspot scenario)	WWAN + WLAN	Ant.1	Front Side;Back Side;Left Edge;Right Edge;Top Edge;Bottom Edge
				Ant.2	
				Ant.3	
				Ant.4	
				Ant.5	
				Ant.7	

Note:No separate Sensor2/3 triggering scenarios, as long as one of Sensor2/3 triggers, it is considered that all Sensors are triggered.

WWAN Antenna Power table

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		
Ant.4	34.00	32.00	34.00	32.00	34.00	32.50	34.00	32.00	34.00	
Ant.4	34.00	32.00	34.00	32.00	34.00	32.50	34.00	32.00	34.00	
Ant.4	31.50	29.50	31.50	29.50	31.50	30.00	31.50	29.50	31.50	
Ant.4	29.50	27.50	29.50	27.50	29.50	28.00	29.50	27.50	29.50	
Ant.4	27.50	25.50	27.50	25.50	27.50	26.00	27.50	25.50	27.50	
Ant.4	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	
Ant.4	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	
Ant.4	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	
Ant.4	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	
Ant.1	34.00	34.00	33.50	33.50	34.00	33.50	33.50	33.50	34.00	
Ant.1	34.00	34.00	33.50	33.50	34.00	33.50	33.50	33.50	34.00	
Ant.1	31.50	31.50	31.00	31.00	31.50	31.00	31.00	31.00	31.50	
Ant.1	29.50	29.50	29.00	29.00	29.50	29.00	29.00	29.00	29.50	
Ant.1	27.50	27.50	27.00	27.00	27.50	27.00	27.00	27.00	27.50	
Ant.1	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	
Ant.1	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	
Ant.1	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	
Ant.1	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	
Ant.4	30.50	25.50	30.50	26.00	30.50	27.50	30.50	26.00	30.50	
Ant.4	30.50	25.50	30.50	26.00	30.50	27.50	30.50	26.00	30.50	
Ant.4	28.00	23.00	28.00	23.50	28.00	25.00	28.00	23.50	28.00	
Ant.4	26.50	21.50	26.50	22.00	26.50	23.50	26.50	22.00	26.50	
Ant.4	25.00	20.00	25.00	20.50	25.00	22.00	25.00	20.50	25.00	
Ant.4	26.50	25.50	26.50	26.00	26.50	26.50	26.50	26.00	26.50	

Ant.4	24.50	23.00	24.50	23.50	24.50	24.50	24.50	23.50	24.50
Ant.4	23.00	21.50	23.00	22.00	23.00	23.00	23.00	22.00	23.00
Ant.4	21.50	20.00	21.50	20.50	21.50	21.50	21.50	20.50	21.50
Ant.1	30.50	30.50	30.50	29.50	30.50	30.50	30.50	29.50	30.50
Ant.1	30.50	30.50	30.50	29.50	30.50	30.50	30.50	29.50	30.50
Ant.1	28.00	28.00	28.00	27.00	28.00	28.00	28.00	27.00	28.00
Ant.1	26.50	26.50	26.50	25.50	26.50	26.50	26.50	25.50	26.50
Ant.1	25.00	25.00	25.00	24.00	25.00	25.00	25.00	24.00	25.00
Ant.1	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50
Ant.1	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
Ant.1	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
Ant.1	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
Ant.4	25.00	16.50	23.00	17.00	23.00	17.00	23.00	17.00	23.00
Ant.4	25.00	16.50	23.00	17.00	23.00	17.00	23.00	17.00	23.00
Ant.4	24.00	15.50	22.00	16.00	22.00	16.00	22.00	16.00	22.00
Ant.4	24.00	15.50	22.00	16.00	22.00	16.00	22.00	16.00	22.00
Ant.4	23.50	15.00	21.50	15.50	21.50	15.50	21.50	15.50	21.50
Ant.4	23.50	15.00	21.50	15.50	21.50	15.50	21.50	15.50	21.50
Ant.4	24.00	15.50	22.00	16.00	22.00	16.00	22.00	16.00	22.00
Ant.4	24.00	15.50	22.00	16.00	22.00	16.00	22.00	16.00	22.00
Ant.4	23.50	15.00	21.50	15.50	21.50	15.50	21.50	15.50	21.50
Ant.4	23.50	15.00	21.50	15.50	21.50	15.50	21.50	15.50	21.50
Ant.4	22.00	13.50	20.00	14.00	20.00	14.00	20.00	14.00	20.00
Ant.4	22.00	13.50	20.00	14.00	20.00	14.00	20.00	14.00	20.00
Ant.4	23.00	14.50	21.00	15.00	21.00	15.00	21.00	15.00	21.00
Ant.4	21.50	13.00	19.50	13.50	19.50	13.50	19.50	13.50	19.50
Ant.4	23.00	14.50	21.00	15.00	21.00	15.00	21.00	15.00	21.00
Ant.4	22.00	13.50	20.00	14.00	20.00	14.00	20.00	14.00	20.00
Ant.1	25.00	25.00	19.00	19.00	25.00	19.00	19.00	19.00	25.00
Ant.1	25.00	25.00	19.00	19.00	25.00	19.00	19.00	19.00	25.00
Ant.1	24.00	24.00	18.00	18.00	24.00	18.00	18.00	18.00	24.00
Ant.1	24.00	24.00	18.00	18.00	24.00	18.00	18.00	18.00	24.00
Ant.1	23.50	23.50	17.50	17.50	23.50	17.50	17.50	17.50	23.50
Ant.1	23.50	23.50	17.50	17.50	23.50	17.50	17.50	17.50	23.50
Ant.1	24.00	24.00	18.00	18.00	24.00	18.00	18.00	18.00	24.00
Ant.1	24.00	24.00	18.00	18.00	24.00	18.00	18.00	18.00	24.00
Ant.1	23.50	23.50	17.50	17.50	23.50	17.50	17.50	17.50	23.50
Ant.1	23.50	23.50	17.50	17.50	23.50	17.50	17.50	17.50	23.50
Ant.1	22.00	22.00	16.00	16.00	22.00	16.00	16.00	16.00	22.00
Ant.1	22.00	22.00	16.00	16.00	22.00	16.00	16.00	16.00	22.00
Ant.1	23.00	23.00	17.00	17.00	23.00	17.00	17.00	17.00	23.00

Ant.1	21.50	21.50	15.50	15.50	21.50	15.50	15.50	15.50	21.50
Ant.1	23.00	23.00	17.00	17.00	23.00	17.00	17.00	17.00	23.00
Ant.1	22.00	22.00	16.00	16.00	22.00	16.00	16.00	16.00	22.00
Ant.4	25.00	16.00	22.50	15.00	22.50	15.00	22.50	15.00	22.50
Ant.4	25.00	16.00	22.50	15.00	22.50	15.00	22.50	15.00	22.50
Ant.4	24.00	15.00	21.50	14.00	21.50	14.00	21.50	14.00	21.50
Ant.4	24.00	15.00	21.50	14.00	21.50	14.00	21.50	14.00	21.50
Ant.4	23.50	14.50	21.00	13.50	21.00	13.50	21.00	13.50	21.00
Ant.4	23.50	14.50	21.00	13.50	21.00	13.50	21.00	13.50	21.00
Ant.4	24.00	15.00	21.50	14.00	21.50	14.00	21.50	14.00	21.50
Ant.4	24.00	15.00	21.50	14.00	21.50	14.00	21.50	14.00	21.50
Ant.4	23.50	14.50	21.00	13.50	21.00	13.50	21.00	13.50	21.00
Ant.4	23.50	14.50	21.00	13.50	21.00	13.50	21.00	13.50	21.00
Ant.4	22.00	13.00	19.50	12.00	19.50	12.00	19.50	12.00	19.50
Ant.4	22.00	13.00	19.50	12.00	19.50	12.00	19.50	12.00	19.50
Ant.4	23.00	14.00	20.50	13.00	20.50	13.00	20.50	13.00	20.50
Ant.4	21.50	12.50	19.00	11.50	19.00	11.50	19.00	11.50	19.00
Ant.4	23.00	14.00	20.50	13.00	20.50	13.00	20.50	13.00	20.50
Ant.4	22.00	13.00	19.50	12.00	19.50	12.00	19.50	12.00	19.50
Ant.1	25.00	25.00	19.00	19.00	25.00	19.00	19.00	19.00	25.00
Ant.1	25.00	25.00	19.00	19.00	25.00	19.00	19.00	19.00	25.00
Ant.1	24.00	24.00	18.00	18.00	24.00	18.00	18.00	18.00	24.00
Ant.1	24.00	24.00	18.00	18.00	24.00	18.00	18.00	18.00	24.00
Ant.1	23.50	23.50	17.50	17.50	23.50	17.50	17.50	17.50	23.50
Ant.1	23.50	23.50	17.50	17.50	23.50	17.50	17.50	17.50	23.50
Ant.1	24.00	24.00	18.00	18.00	24.00	18.00	18.00	18.00	24.00
Ant.1	24.00	24.00	18.00	18.00	24.00	18.00	18.00	18.00	24.00
Ant.1	23.50	23.50	17.50	17.50	23.50	17.50	17.50	17.50	23.50
Ant.1	23.50	23.50	17.50	17.50	23.50	17.50	17.50	17.50	23.50
Ant.1	22.00	22.00	16.00	16.00	22.00	16.00	16.00	16.00	22.00
Ant.1	22.00	22.00	16.00	16.00	22.00	16.00	16.00	16.00	22.00
Ant.1	23.00	23.00	17.00	17.00	23.00	17.00	17.00	17.00	23.00
Ant.1	21.50	21.50	15.50	15.50	21.50	15.50	15.50	15.50	21.50
Ant.1	23.00	23.00	17.00	17.00	23.00	17.00	17.00	17.00	23.00
Ant.1	22.00	22.00	16.00	16.00	22.00	16.00	16.00	16.00	22.00
Ant.4	25.00	23.00	25.00	22.00	25.00	22.00	25.00	22.00	25.00
Ant.4	25.00	23.00	25.00	22.00	25.00	22.00	25.00	22.00	25.00
Ant.4	24.00	22.00	24.00	21.00	24.00	21.00	24.00	21.00	24.00
Ant.4	24.00	22.00	24.00	21.00	24.00	21.00	24.00	21.00	24.00
Ant.4	23.50	21.50	23.50	20.50	23.50	20.50	23.50	20.50	23.50
Ant.4	23.50	21.50	23.50	20.50	23.50	20.50	23.50	20.50	23.50

Ant.4	24.00	22.00	24.00	21.00	24.00	21.00	24.00	21.00	24.00
Ant.4	24.00	22.00	24.00	21.00	24.00	21.00	24.00	21.00	24.00
Ant.4	23.50	21.50	23.50	20.50	23.50	20.50	23.50	20.50	23.50
Ant.4	23.50	21.50	23.50	20.50	23.50	20.50	23.50	20.50	23.50
Ant.4	22.00	20.00	22.00	19.00	22.00	19.00	22.00	19.00	22.00
Ant.4	22.00	20.00	22.00	19.00	22.00	19.00	22.00	19.00	22.00
Ant.4	23.00	21.00	23.00	20.00	23.00	20.00	23.00	20.00	23.00
Ant.4	21.50	19.50	21.50	18.50	21.50	18.50	21.50	18.50	21.50
Ant.4	23.00	21.00	23.00	20.00	23.00	20.00	23.00	20.00	23.00
Ant.4	22.00	20.00	22.00	19.00	22.00	19.00	22.00	19.00	22.00
Ant.1	25.00	25.00	24.50	24.50	25.00	24.50	24.50	24.50	25.00
Ant.1	25.00	25.00	24.50	24.50	25.00	24.50	24.50	24.50	25.00
Ant.1	24.00	24.00	23.50	23.50	24.00	23.50	23.50	23.50	24.00
Ant.1	24.00	24.00	23.50	23.50	24.00	23.50	23.50	23.50	24.00
Ant.1	23.50	23.50	23.00	23.00	23.50	23.00	23.00	23.00	23.50
Ant.1	23.50	23.50	23.00	23.00	23.50	23.00	23.00	23.00	23.50
Ant.1	24.00	24.00	23.50	23.50	24.00	23.50	23.50	23.50	24.00
Ant.1	24.00	24.00	23.50	23.50	24.00	23.50	23.50	23.50	24.00
Ant.1	23.50	23.50	23.00	23.00	23.50	23.00	23.00	23.00	23.50
Ant.1	23.50	23.50	23.00	23.00	23.50	23.00	23.00	23.00	23.50
Ant.1	22.00	22.00	21.50	21.50	22.00	21.50	21.50	21.50	22.00
Ant.1	22.00	22.00	21.50	21.50	22.00	21.50	21.50	21.50	22.00
Ant.1	23.00	23.00	22.50	22.50	23.00	22.50	22.50	22.50	23.00
Ant.1	21.50	21.50	21.00	21.00	21.50	21.00	21.00	21.00	21.50
Ant.1	23.00	23.00	22.50	22.50	23.00	22.50	22.50	22.50	23.00
Ant.1	22.00	22.00	21.50	21.50	22.00	21.50	21.50	21.50	22.00
Ant.4	25.50	17.00	23.00	17.50	23.00	17.50	23.00	17.50	23.00
Ant.1	25.50	25.50	19.50	19.50	24.50	19.50	19.50	19.50	24.50
Ant.4	25.50	17.00	22.00	15.50	22.00	15.50	22.00	15.50	22.00
Ant.1	25.50	25.50	19.50	19.50	25.00	19.50	19.50	19.50	25.00
Ant.4	25.50	22.50	25.50	23.50	25.50	23.50	25.50	23.50	25.50
Ant.1	25.50	25.50	24.00	24.00	25.50	24.00	24.00	24.00	25.50
Ant.4	25.50	18.00	25.00	16.00	25.00	17.50	25.00	16.00	25.00
Ant.1	25.50	25.50	20.00	20.00	25.50	20.00	20.00	20.00	25.50
Ant.4	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
Ant.1	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
Ant.4	25.50	25.00	25.50	25.50	25.50	25.00	25.50	25.50	25.50
Ant.1	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
Ant.4	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
Ant.1	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
Ant.4	25.50	23.00	25.50	23.00	25.50	23.00	25.50	23.00	25.50

Ant.1	25.50	25.50	24.00	24.00	25.50	24.00	24.00	24.00	25.50
Ant.4	25.50	23.00	25.50	23.50	25.50	23.50	25.50	23.50	25.50
Ant.1	25.50	25.50	24.00	24.00	25.50	24.00	24.00	24.00	25.50
Ant.4	25.50	23.00	25.50	23.50	25.50	23.50	25.50	23.50	25.50
Ant.1	25.50	25.50	24.00	24.00	25.50	24.00	24.00	24.00	25.50
Ant.4	25.50	17.00	22.00	15.50	22.00	15.50	22.00	15.50	22.00
Ant.1	25.50	25.50	19.50	19.50	25.00	19.50	19.50	19.50	25.00
Ant.4	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
Ant.1	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
Ant.4	25.50	21.00	25.50	20.50	25.50	20.50	25.50	20.50	25.50
Ant.1	25.50	25.50	22.00	22.00	25.50	22.00	22.00	22.00	25.50
Ant.4	25.50	21.00	25.50	20.50	25.50	20.50	25.50	20.50	25.50
Ant.1	25.50	25.50	22.00	22.00	25.50	22.00	22.00	22.00	25.50
Ant.2	23.00	21.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
Ant.3	22.50	22.50	21.00	21.00	21.00	21.00	21.00	21.00	21.00
Ant.5	25.50	21.00	19.50	19.50	19.50	19.50	19.50	19.50	19.50
Ant.7	24.50	20.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00
Ant.2	23.00	23.00	20.50	20.50	20.50	20.50	20.50	20.50	20.50
Ant.3	22.50	22.50	21.00	21.00	21.00	21.00	21.00	21.00	21.00
Ant.5	25.50	20.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50
Ant.7	24.50	21.00	18.00	18.00	18.00	19.00	18.00	18.00	18.00
Ant.4	25.50	16.50	23.00	17.50	23.00	17.50	23.00	17.50	23.00
Ant.1	25.50	25.50	19.50	19.50	24.50	19.50	19.50	19.50	24.50
Ant.4	25.50	23.00	25.50	23.50	25.50	23.50	25.50	23.50	25.50
Ant.1	25.50	25.50	24.00	24.00	25.50	24.00	24.00	24.00	25.50
Ant.4	25.50	18.00	25.00	17.00	25.00	18.00	25.00	17.00	25.00
Ant.1	25.50	25.50	20.00	20.00	25.50	20.00	20.00	20.00	25.50
Ant.4	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
Ant.1	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
Ant.4	25.50	23.00	25.50	23.50	25.50	23.50	25.50	23.50	25.50
Ant.1	25.50	25.50	24.00	24.00	25.50	24.00	24.00	24.00	25.50
Ant.4	25.50	16.50	22.50	15.50	22.50	15.50	22.50	15.50	22.50
Ant.1	25.50	25.50	19.50	19.50	24.50	19.50	19.50	19.50	24.50
Ant.4	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
Ant.1	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
Ant.4	25.50	19.00	24.50	19.50	24.50	20.50	24.50	19.50	24.50
Ant.1	25.50	25.50	22.00	22.00	25.50	22.00	22.00	22.00	25.50
Ant.3	25.50	21.00	17.50	17.50	17.50	17.50	17.50	17.50	17.50
Ant.4	25.50	19.00	24.50	19.50	24.50	20.50	24.50	19.50	24.50
Ant.1	25.50	25.50	22.00	22.00	25.50	22.00	22.00	22.00	25.50
Ant.3	25.50	21.00	17.50	17.50	17.50	17.50	17.50	17.50	17.50

Ant.2	23.50	22.50	20.00	20.00	20.00	21.00	20.00	20.00	20.00
Ant.3	22.50	22.50	20.00	20.00	20.00	21.00	20.00	20.00	20.00
Ant.5	25.50	19.00	18.50	18.50	18.50	19.50	18.50	18.50	18.50
Ant.7	24.50	20.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00
Ant.2	25.00	24.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
Ant.3	24.00	24.00	20.00	20.00	20.00	21.00	20.00	20.00	20.00
Ant.5	27.50	19.50	19.00	19.00	19.00	20.00	19.00	19.00	19.00
Ant.7	27.00	21.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Ant.2	25.00	24.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
Ant.3	24.00	24.00	20.00	20.00	20.00	21.00	20.00	20.00	20.00
Ant.5	27.50	19.50	19.00	19.00	19.00	20.00	19.00	19.00	19.00
Ant.7	27.00	21.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00

LTE-CA Antenna Configuration

LTE-UL CA Configurations	UL CA	UL CA	Antenna Configurations	
	Band1	Band2	1	2
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.3	LTE Ant.3
CA_2A_7A	LTE Band2	LTE Band7	LTE Ant.1	LTE Ant.4
			LTE Ant.3	LTE Ant.3
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.3	LTE Ant.3

LTE-CA

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.1	25.50	25.50	19.00	19.00	25.50	19.00	19.00	19.00	25.50
	LTE Band2	Ant.4	25.50	15.50	23.00	15.50	23.00	17.50	23.00	15.50	23.00
	LTE Band4	Ant.3	25.50	23.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00
CA_2A+7A	LTE Band2	Ant.1	25.50	25.50	19.00	19.00	25.50	19.00	19.00	19.00	25.50
	LTE Band2	Ant.4	25.50	15.50	23.00	15.50	23.00	17.50	23.00	15.50	23.00
	LTE Band7	Ant.3	25.50	22.50	16.00	16.00	16.00	16.00	16.00	16.00	16.00

CA_4A+5A	LTE Band4	Ant.4	25.50	15.00	22.00	14.50	22.00	15.50	22.00	14.50	22.00
	LTE Band4	Ant.1	25.50	25.50	18.00	18.00	25.00	19.50	18.00	18.00	25.00
	LTE Band5	Ant.1	25.50	25.50	22.50	22.50	25.50	24.00	22.50	22.50	25.50
	LTE Band5	Ant.4	25.50	20.00	25.50	20.50	25.50	23.50	25.50	20.50	25.50
CA_4A+7A	LTE Band4	Ant.1	25.50	25.50	18.00	18.00	25.00	19.50	18.00	18.00	25.00
	LTE Band4	Ant.4	25.50	15.00	22.00	14.50	22.00	15.50	22.00	14.50	22.00
	LTE Band7	Ant.3	25.50	22.50	16.00	16.00	16.00	16.00	16.00	16.00	16.00

EN-DC Antenna Configuration

EN-DC Configurations	E-UTRA	NR	Antenna Configurations			
	Band	Band	1	2	3	4
4A+n2A	LTE Band4	n2	LTE Ant.3	LTE Ant.3	/	/
			nr Ant.1	nr Ant.4	/	/
66A+n2A	LTE Band66	n2	LTE Ant.3	LTE Ant.3	/	/
			nr Ant.1	nr Ant.4	/	/
7A+n5A	LTE Band7	n5	LTE Ant.1	LTE Ant.4	/	/
			nr Ant.4	nr Ant.1	/	/
2A+n7A	LTE Band2	N7	LTE Ant.1	LTE Ant.4	/	/
			nr Ant.3	nr Ant.3	/	/
4A+n7A	LTE Band4	n7	LTE Ant.3	LTE Ant.3	/	/
			nr Ant.1	nr Ant.4	/	/
5A+n7A	LTE Band5	n7	LTE Ant.1	LTE Ant.4	/	/
			nr Ant.4	nr Ant.1	/	/
66A+n7A	LTE Band66	n7	LTE Ant.3	LTE Ant.3	/	/
			nr Ant.1	nr Ant.4	/	/
2A+n66A	LTE Band2	n66	LTE Ant.1	LTE Ant.4	/	/
			nr Ant.3	nr Ant.3	/	/
4A+n66A	LTE Band4	n66	LTE Ant.3	LTE Ant.3	/	/
			nr Ant.1	nr Ant.4	/	/
5A+n66A	LTE Band5	n66	LTE Ant.1	LTE Ant.4	/	/
			nr Ant.4	nr Ant.1	/	/
7A+n66A	LTE Band7	n66	LTE Ant.3	/	/	
			nr Ant.1	/	/	
2A+n38A	LTE Band2	n38	LTE Ant.3	LTE Ant.3	/	/
			nr Ant.1	nr Ant.4	/	/
4A+n38A	LTE Band4	n38	LTE Ant.3	LTE Ant.3	/	/
			nr Ant.1	nr Ant.4	/	/
66A+n38A	LTE Band66	n38	LTE Ant.3	LTE Ant.3	/	/
			nr Ant.1	nr Ant.4	/	/
2A+n41A	LTE Band2	n41	LTE Ant.3	LTE Ant.3	/	/
			nr Ant.1	nr Ant.4	/	/
4A+n41A	LTE Band4	n41	LTE Ant.3	LTE Ant.3	/	/
			nr Ant.1	nr Ant.4	/	/

5A+n41A	LTE Band5	n41	LTE Ant.1	LTE Ant.4	/	/
			nr Ant.4	nr Ant.1	/	/
66A+n41A	LTE Band66	n41	LTE Ant.3	LTE Ant.3	/	/
			nr Ant.1	nr Ant.4	/	/
2A+n77A	LTE Band2	n77	LTE Ant.1	LTE Ant.1	LTE Ant.4	LTE Ant.4
			nr Ant.5	nr Ant.7	nr Ant.5	nr Ant.7
18A+n77A	LTE Band18	n77	LTE Ant.1	LTE Ant.1	LTE Ant.4	LTE Ant.4
			nr Ant.5	nr Ant.7	nr Ant.5	nr Ant.7
2A+n78A	LTE Band2	n78	LTE Ant.1	LTE Ant.1	LTE Ant.4	LTE Ant.4
			nr Ant.5	nr Ant.7	nr Ant.5	nr Ant.7
4A+n78A	LTE Band4	n78	LTE Ant.1	LTE Ant.1	LTE Ant.4	LTE Ant.4
			nr Ant.5	nr Ant.7	nr Ant.5	nr Ant.7
5A+n78A	LTE Band5	n78	LTE Ant.1	LTE Ant.1	LTE Ant.4	LTE Ant.4
			nr Ant.5	nr Ant.7	nr Ant.5	nr Ant.7
7A+n78A	LTE Band7	n78	LTE Ant.1	LTE Ant.1	LTE Ant.4	LTE Ant.4
			nr Ant.5	nr Ant.7	nr Ant.5	nr Ant.7
19A+n78A	LTE Band19	n78	LTE Ant.1	LTE Ant.1	LTE Ant.4	LTE Ant.4
			nr Ant.5	nr Ant.7	nr Ant.5	nr Ant.7
26A+n78A	LTE Band26	n78	LTE Ant.1	LTE Ant.1	LTE Ant.4	LTE Ant.4
			nr Ant.5	nr Ant.7	nr Ant.5	nr Ant.7
66A+n78A	LTE Band66	n78	LTE Ant.1	LTE Ant.1	LTE Ant.4	LTE Ant.4
			nr Ant.5	nr Ant.7	nr Ant.5	nr Ant.7
38A+n78A	LTE Band38	n78	LTE Ant.1	LTE Ant.1	LTE Ant.4	LTE Ant.4
			nr Ant.5	nr Ant.7	nr Ant.5	nr Ant.7
41A+n78A	LTE Band41	n78	LTE Ant.1	LTE Ant.1	LTE Ant.4	LTE Ant.4
			nr Ant.5	nr Ant.7	nr Ant.5	nr Ant.7

ENDC

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_4A+n2A	n2	Ant.1	25.50	25.50	19.00	19.00	25.50	19.00	19.00	19.00	25.50
	n2	Ant.4	25.50	15.50	23.00	15.50	23.00	17.50	23.00	15.50	23.00
	LTE Band4	Ant.3	25.50	23.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00
DC_66A+n2A	n2	Ant.1	25.50	25.50	19.00	19.00	25.50	19.00	19.00	19.00	25.50
	n2	Ant.4	25.50	15.50	23.00	15.50	23.00	17.50	23.00	15.50	23.00
	LTE Band66	Ant.3	25.50	23.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00
DC_7A+n5A	n5	Ant.1	25.50	25.50	23.00	23.00	25.50	24.00	23.00	23.00	25.50
	n5	Ant.4	25.50	20.50	25.50	21.00	25.50	23.50	25.50	21.00	25.50

	LTE Band7	Ant.1	25.50	25.50	18.00	18.00	25.50	20.00	18.00	18.00	25.50
	LTE Band7	Ant.4	25.50	15.50	25.00	13.00	25.00	17.50	25.00	13.00	25.00
DC_2A+n7A	n7	Ant.3	25.50	22.50	16.00	16.00	16.00	16.00	16.00	16.00	16.00
	LTE Band2	Ant.1	25.50	25.50	19.00	19.00	25.50	19.00	19.00	19.00	25.50
DC_4A+n7A	LTE Band2	Ant.4	25.50	15.50	23.00	15.50	23.00	17.50	23.00	15.50	23.00
	n7	Ant.1	25.50	25.50	20.00	20.00	25.50	20.00	20.00	20.00	25.50
DC_5A+n7A	n7	Ant.4	25.50	15.50	25.00	16.00	25.00	18.00	25.00	16.00	25.00
	LTE Band4	Ant.3	25.50	23.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00
DC_6A+n7A	LTE Band5	Ant.1	25.50	25.50	22.50	22.50	25.50	24.00	22.50	22.50	25.50
	LTE Band5	Ant.4	25.50	20.00	25.50	20.50	25.50	23.50	25.50	20.50	25.50
DC_2A+n66A	n7	Ant.1	25.50	25.50	20.00	20.00	25.50	20.00	20.00	20.00	25.50
	n7	Ant.4	25.50	15.50	25.00	16.00	25.00	18.00	25.00	16.00	25.00
DC_4A+n66A	LTE Band66	Ant.3	25.50	23.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00
	n66	Ant.3	25.50	23.00	16.50	16.50	16.50	16.50	16.50	16.50	16.50
DC_5A+n66A	LTE Band2	Ant.1	25.50	25.50	19.00	19.00	25.50	19.00	19.00	19.00	25.50
	LTE Band2	Ant.4	25.50	15.50	23.00	15.50	23.00	17.50	23.00	15.50	23.00
DC_7A+n66A	n66	Ant.4	25.50	14.50	22.50	15.50	22.50	15.50	22.50	15.50	22.50
	n66	Ant.1	25.50	25.50	18.00	18.00	24.50	19.50	18.00	18.00	24.50
DC_2A+n38A	LTE Band4	Ant.3	25.50	23.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00
	n66	Ant.4	25.50	14.50	22.50	15.50	22.50	15.50	22.50	15.50	22.50
DC_4A+n38A	n66	Ant.1	25.50	25.50	18.00	18.00	24.50	19.50	18.00	18.00	24.50
	LTE Band5	Ant.1	25.50	25.50	22.50	22.50	25.50	24.00	22.50	22.50	25.50
DC_6A+n38A	LTE Band5	Ant.4	25.50	20.00	25.50	20.50	25.50	23.50	25.50	20.50	25.50
	n66	Ant.1	25.50	25.50	18.00	18.00	24.50	19.50	18.00	18.00	24.50
DC_2A+n41A	LTE Band7	Ant.3	25.50	22.50	16.00	16.00	16.00	16.00	16.00	16.00	16.00
	n38	Ant.1	25.50	25.50	22.00	22.00	25.50	22.00	22.00	22.00	25.50
DC_4A+n41A	n38	Ant.4	25.50	16.50	24.50	17.00	24.50	20.50	24.50	17.00	24.50
	LTE Band2	Ant.3	25.50	23.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00
DC_5A+n41A	n38	Ant.1	25.50	25.50	22.00	22.00	25.50	22.00	22.00	22.00	25.50
	n38	Ant.4	25.50	16.50	24.50	17.00	24.50	20.50	24.50	17.00	24.50
DC_2A+n41A	LTE Band66	Ant.3	25.50	23.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00
	n41	Ant.1	25.50	25.50	22.00	22.00	25.50	22.00	22.00	22.00	25.50
DC_4A+n41A	n41	Ant.4	25.50	16.50	24.50	17.00	24.50	20.50	24.50	17.00	24.50
	LTE Band2	Ant.3	25.50	23.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00
DC_5A+n41A	n41	Ant.4	25.50	16.50	24.50	17.00	24.50	20.50	24.50	17.00	24.50

	n41	Ant.1	25.50	25.50	22.00	22.00	25.50	22.00	22.00	22.00	25.50
	LTE Band5	Ant.1	25.50	25.50	22.50	22.50	25.50	24.00	22.50	22.50	25.50
	LTE Band5	Ant.4	25.50	20.00	25.50	20.50	25.50	23.50	25.50	20.50	25.50
DC_66A+n41A	n41	Ant.1	25.50	25.50	22.00	22.00	25.50	22.00	22.00	22.00	25.50
	n41	Ant.4	25.50	16.50	24.50	17.00	24.50	20.50	24.50	17.00	24.50
	LTE Band66	Ant.3	25.50	23.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00
DC_2A+n77A	n77	Ant.5	28.50	17.00	17.00	17.00	17.00	19.00	17.00	17.00	17.00
	n77	Ant.7	28.00	18.00	17.00	17.00	17.00	19.00	17.00	17.00	17.00
	LTE Band2	Ant.1	25.50	25.50	19.00	19.00	25.50	19.00	19.00	19.00	25.50
	LTE Band2	Ant.4	25.50	15.50	23.00	15.50	23.00	17.50	23.00	15.50	23.00
DC_18A+n77A	n77	Ant.5	28.50	17.00	17.00	17.00	17.00	19.00	17.00	17.00	17.00
	n77	Ant.7	28.00	18.00	17.00	17.00	17.00	19.00	17.00	17.00	17.00
	LTE Band18	Ant.1	25.50	25.50	22.50	22.50	25.50	24.00	22.50	22.50	25.50
	LTE Band18	Ant.4	25.50	20.50	25.50	21.00	25.50	23.00	25.50	21.00	25.50
DC_2A+n78A	n78	Ant.5	28.50	17.00	17.00	17.00	17.00	19.00	17.00	17.00	17.00
	n78	Ant.7	28.00	18.00	17.00	17.00	17.00	19.00	17.00	17.00	17.00
	LTE Band2	Ant.1	25.50	25.50	19.00	19.00	25.50	19.00	19.00	19.00	25.50
	LTE Band2	Ant.4	25.50	15.50	23.00	15.50	23.00	17.50	23.00	15.50	23.00
DC_4A+n78A	n78	Ant.5	28.50	17.00	17.00	17.00	17.00	19.00	17.00	17.00	17.00
	n78	Ant.7	28.00	18.00	17.00	17.00	17.00	19.00	17.00	17.00	17.00
	LTE Band4	Ant.1	25.50	25.50	18.00	18.00	25.00	19.50	18.00	18.00	25.00
	LTE Band4	Ant.4	25.50	15.00	22.00	14.50	22.00	15.50	22.00	14.50	22.00
DC_5A+n78A	n78	Ant.5	28.50	17.00	17.00	17.00	17.00	19.00	17.00	17.00	17.00
	n78	Ant.7	28.00	18.00	17.00	17.00	17.00	19.00	17.00	17.00	17.00
	LTE Band5	Ant.1	25.50	25.50	22.50	22.50	25.50	24.00	22.50	22.50	25.50
	LTE Band5	Ant.4	25.50	20.00	25.50	20.50	25.50	23.50	25.50	20.50	25.50
DC_7A+n78A	n78	Ant.5	28.50	17.00	17.00	17.00	17.00	19.00	17.00	17.00	17.00
	n78	Ant.7	28.00	18.00	17.00	17.00	17.00	19.00	17.00	17.00	17.00
	LTE Band7	Ant.1	25.50	25.50	18.00	18.00	25.50	20.00	18.00	18.00	25.50
	LTE Band7	Ant.4	25.50	15.50	25.00	13.00	25.00	17.50	25.00	13.00	25.00
DC_19A+n78A	n78	Ant.5	28.50	17.00	17.00	17.00	17.00	19.00	17.00	17.00	17.00
	n78	Ant.7	28.00	18.00	17.00	17.00	17.00	19.00	17.00	17.00	17.00
	LTE Band19	Ant.1	25.50	25.50	22.50	22.50	25.50	24.00	22.50	22.50	25.50
	LTE Band19	Ant.4	25.50	20.50	25.50	21.00	25.50	23.50	25.50	21.00	25.50
DC_26A+n78A	n78	Ant.5	28.50	17.00	17.00	17.00	17.00	19.00	17.00	17.00	17.00
	n78	Ant.7	28.00	18.00	17.00	17.00	17.00	19.00	17.00	17.00	17.00
	LTE Band26	Ant.1	25.50	25.50	22.50	22.50	25.50	24.00	22.50	22.50	25.50
	LTE Band26	Ant.4	25.50	20.50	25.50	21.00	25.50	23.50	25.50	21.00	25.50
DC_66A+n78A	n78	Ant.5	28.50	17.00	17.00	17.00	17.00	19.00	17.00	17.00	17.00
	n78	Ant.7	28.00	18.00	17.00	17.00	17.00	19.00	17.00	17.00	17.00
	LTE Band66	Ant.1	25.50	25.50	18.00	18.00	25.50	19.50	18.00	18.00	25.50
	LTE Band66	Ant.4	25.50	15.00	22.00	14.50	22.00	15.50	22.00	14.50	22.00
DC_38A+n78A	n78	Ant.5	28.50	17.00	17.00	17.00	17.00	19.00	17.00	17.00	17.00

	n78	Ant.7	28.00	18.00	17.00	17.00	17.00	19.00	17.00	17.00	17.00
	LTE Band38	Ant.1	25.50	25.50	22.00	22.00	25.50	22.00	22.00	22.00	25.50
	LTE Band38	Ant.4	25.50	19.00	25.50	18.50	25.50	20.50	25.50	18.50	25.50
DC_41A+n78A	n78	Ant.5	28.50	17.00	17.00	17.00	17.00	19.00	17.00	17.00	17.00
	n78	Ant.7	28.00	18.00	17.00	17.00	17.00	19.00	17.00	17.00	17.00
	LTE Band41	Ant.1	25.50	25.50	22.00	22.00	25.50	22.00	22.00	22.00	25.50
	LTE Band41	Ant.4	25.50	19.00	25.50	18.50	25.50	20.50	25.50	18.50	25.50

WLAN Reduced power level table

Reduced level	Receiver state	Transmitting	Antenna	Position
		conditions		
Level 1	On (head scenario)	Only WLAN & WWAN+WLAN	Ant.6	Head
Level 2	Off (Body scenario)	Only WLAN & 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	Standalone & Simultaneous transmission
Off	Level1	Level2	Level2	Level2		
2.4G WLAN 802.11b	16.50	14.50	16.50	16.50	16.50	
2.4G WLAN 802.11g	16.50	13.50	16.50	16.50	16.50	
2.4G WLAN 802.11n20	15.50	13.50	15.50	15.50	15.50	
5.2G WLAN 802.11a	11.50	11.50	9.00	9.00	9.00	
5.2G WLAN 802.11n20	11.50	11.50	9.00	9.00	9.00	
5.2G WLAN 802.11n40	11.50	11.50	9.00	9.00	9.00	
5.2G WLAN 802.11ac20	11.50	11.50	9.00	9.00	9.00	
5.2G WLAN 802.11ac40	11.50	11.50	9.00	9.00	9.00	
5.2G WLAN 802.11ac80	10.50	10.50	9.00	9.00	9.00	
5.3G WLAN 802.11a	11.50	11.50	9.00	9.00	9.00	
5.3G WLAN 802.11n20	11.50	11.50	9.00	/	9.00	
5.3G WLAN 802.11n40	11.50	11.50	9.00	/	9.00	
5.3G WLAN 802.11ac20	11.50	11.50	9.00	/	9.00	
5.3G WLAN 802.11ac40	11.50	11.50	9.00	/	9.00	
5.3G WLAN 802.11ac80	10.50	10.50	9.00	/	9.00	
5.6G WLAN 802.11a	11.50	11.50	9.00	/	9.00	
5.6G WLAN 802.11n20	11.50	11.50	9.00	/	9.00	
5.6G WLAN 802.11n40	11.50	11.50	9.00	/	9.00	
5.6G WLAN 802.11ac20	11.50	11.50	9.00	/	9.00	
5.6G WLAN 802.11ac40	11.50	11.50	9.00	/	9.00	
5.6G WLAN 802.11ac80	10.50	10.50	9.00	/	9.00	
5.8G WLAN 802.11a	11.50	11.50	9.00	9.00	9.00	
5.8G WLAN 802.11n20	11.50	11.50	9.00	9.00	9.00	
5.8G WLAN 802.11n40	11.50	11.50	9.00	9.00	9.00	
5.8G WLAN 802.11ac20	11.50	11.50	9.00	9.00	9.00	
5.8G WLAN 802.11ac40	11.50	11.50	9.00	9.00	9.00	
5.8G WLAN 802.11ac80	10.50	10.50	9.00	9.00	9.00	
Bluetooth	11.50	11.50	11.50	11.50	11.50	

8.2 GSM

Please refer the document “BL-SZ2560099-AP.pdf”.

8.3 WCDMA

Please refer the document “BL-SZ2560099-AP.pdf”.

8.4 LTE

Please refer the document “BL-SZ2560099-AP.pdf”.

8.5 NR

Please refer the document “BL-SZ2560099-AP.pdf”.

8.6 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 section 6.2.2A.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-SZ2560099-AP.pdf”.

8.7 WIFI

Please refer the document “BL-SZ2560099-AP.pdf”.

8.8 Bluetooth

Please refer the document “BL-SZ2560099-AP.pdf”.

8.9 DC SAR Power

Please refer the document “BL-SZ2560099-AP.pdf”.

9 WWAN UL duty cycle detection mechanism specification

(WWAN DC SAR)

9.1 UL duty cycle detection mechanism clarifications

UL duty cycle detection mechanism specification: The device supports the UL duty cycle detection mechanism for LTE & 5G NR (including FR1 SA and FR1 ENDC). The mechanism is that the output power (maximum burst power is different at different UL duty cycle levels, but maintaining the maximum average power is matched to the SAR is compliant. When at low duty cycle, the transmit power is compensated but does not exceed the upper range defined by the 3GPP standard, thus improving the OTA performance. Note:

SAR is not required because the average output power is not higher than the Max UL duty cycle configuration. For each band, the SAR evaluation uses the highest Time-average power configuration. For DC SAR power, please refer the document "BL-SZ2560099-AP.pdf".

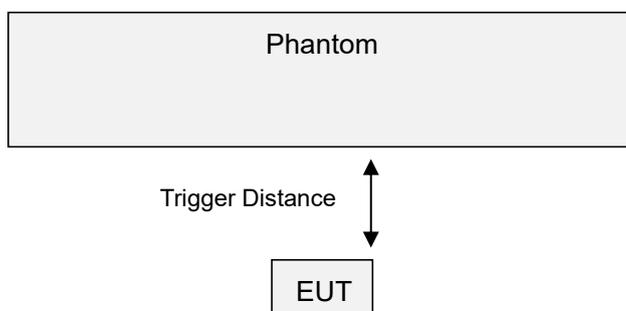
10 PROXIMITY SENSOR TRIGGERING TEST

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)

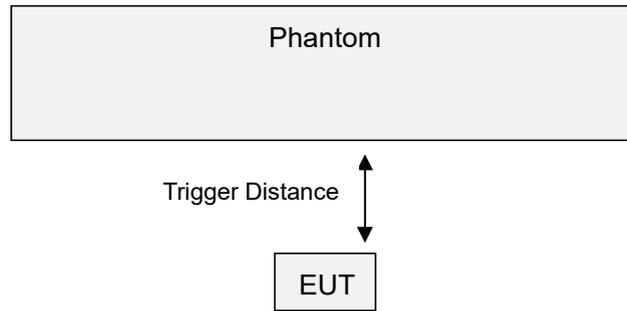


EUT moving toward Phantom and EUT moving away from Phantom

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	Off	Off	Off
Bottom Edge	On	On	On	On	On	On	On	On	Off	Off	Off

Note: Power reduction is only applicable for ANT1.

10.1.2 proximity sensor(2/3)



EUT moving toward Phantom and EUT moving away from 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	Off	Off	Off
Left Edge	On	On	On	On	On	On	Off	Off	Off	Off	Off
Top Edge	On	On	On	On	On	On	On	On	Off	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	15
Bottom Edge	15

ANT3/4 of proximity sensor(2/3)

EUT Sides	Additional SAR test Distance in mm
Front Side	9
Back Side	15
Left Edge	9
Top Edge	15

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 16 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 10 mm separation for the left edge and 16 mm separation for the top edge.

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

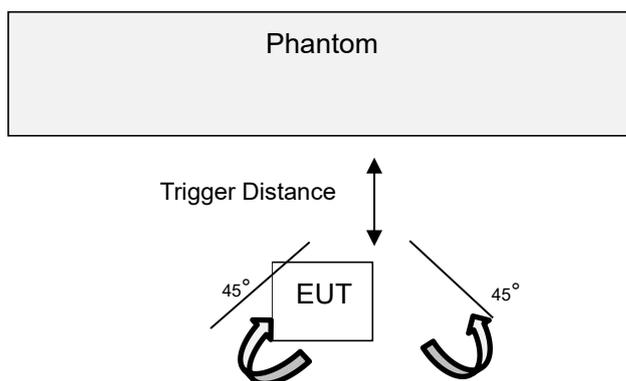


Table: Summary of Phone Tilt Angle Influence to Proximity Sensor Triggering(Left/Top/Bottom edge)

Antenna	Position	Minimum trigger distance at which power reduction was maintained over $\pm 45^\circ$	Power Reduction Status										
			-45°	-35°	-25°	-15°	-5°	0°	5°	15°	25°	35°	45°
ANT3/4	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on
ANT1	Bottom Edge	16mm	on	on	on	on	on	on	on	on	on	on	on
ANT3/4	Top Edge	16mm	on	on	on	on	on	on	on	on	on	on	on

11 TEST EXCLUSION CONSIDERATION

For antenna location and support bands please refer the document “BL-SZ2560099-AI EUT internal photo.pdf”.

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.

12 TEST RESULT

12.1 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	Left Cheek	0	128	824.2	0.19	0.586	28.41	29.50	1.285	0.753	/	
	DSI1		Left Tilt	0	128	824.2	-0.03	0.524	28.41	29.50	1.285	0.673	/	
	DSI1		Right Cheek	0	128	824.2	-0.05	0.831	28.41	29.50	1.285	1.068	1#	
	DSI1		Right Tilt	0	128	824.2	-0.07	0.645	28.41	29.50	1.285	0.829	/	
	DSI1		2slots	Right Cheek	0	190	836.6	0.02	0.701	28.38	29.50	1.294	0.907	/
	DSI1		Right Cheek	0	251	848.8	-0.03	0.653	28.29	29.50	1.321	0.863	/	
	DSI1		Right Tilt	0	190	836.6	0.01	0.564	28.38	29.50	1.294	0.730	/	
	DSI1		Right Tilt	0	251	848.8	0.03	0.528	28.29	29.50	1.321	0.697	/	
Ant.1	DSI1	GPRS	Left Cheek	0	190	836.6	0.18	0.129	30.37	31.50	1.297	0.167	/	
	DSI1		Left Tilt	0	190	836.6	0.10	0.081	30.37	31.50	1.297	0.105	/	
	DSI1		2slots	Right Cheek	0	190	836.6	0.17	0.162	30.37	31.50	1.297	0.210	/
	DSI1		Right Tilt	0	190	836.6	-0.19	0.099	30.37	31.50	1.297	0.128	/	
Body-worn														
Ant.4	DSI3	GPRS	Front Side	5	128	824.2	0.08	0.396	28.41	29.50	1.285	0.509	/	
	DSI3		Back Side	5	128	824.2	0.04	0.761	28.41	29.50	1.285	0.978	2#	
	DSI3		2slots	Back Side	5	190	836.6	-0.03	0.695	28.38	29.50	1.294	0.899	/
	DSI3		Back Side	5	251	848.8	0.16	0.671	28.29	29.50	1.321	0.886	/	
Ant.1	DSI2	GPRS	Front Side	5	190	836.6	0.00	0.421	29.85	31.00	1.303	0.549	/	
	DSI2		Back Side	5	190	836.6	-0.16	0.641	29.85	31.00	1.303	0.835	/	
	DSI2		2slots	Back Side	5	128	824.2	0.12	0.576	29.80	31.00	1.318	0.759	/
	DSI2		Back Side	5	251	848.8	-0.02	0.650	29.82	31.00	1.312	0.853	/	
Hotspot														
Ant.4	DSI5	GPRS	Front Side	10	128	824.2	0.17	0.164	28.78	30.00	1.324	0.217	/	
	DSI5		Back Side	10	128	824.2	-0.01	0.253	28.78	30.00	1.324	0.335	3#	
	DSI5		2slots	Left Edge	10	128	824.2	0.17	0.078	28.78	30.00	1.324	0.103	/
	DSI5		Top Edge	10	128	824.2	-0.13	0.132	28.78	30.00	1.324	0.175	/	
Ant.1	DSI5	GPRS	Front Side	10	190	836.6	0.17	0.163	29.85	31.00	1.303	0.212	/	
	DSI5		Back Side	10	190	836.6	-0.09	0.209	29.85	31.00	1.303	0.272	/	
	DSI5		2slots	Left Edge	10	190	836.6	0.17	0.071	29.85	31.00	1.303	0.093	/
	DSI5		Right Edge	10	190	836.6	-0.09	0.104	29.85	31.00	1.303	0.136	/	
	DSI5		Bottom Edge	10	190	836.6	0.17	0.159	29.85	31.00	1.303	0.207	/	
Body (Sensor-1)														
Ant.4	DSI4	GPRS	Front Side	9	190	836.6	0.06	0.315	30.06	31.50	1.393	0.439	/	
	DSI4	2slots	Back Side	15	190	836.6	-0.01	0.187	30.06	31.50	1.393	0.260	/	

	DSI4		Left Edge	9	190	836.6	0.06	0.136	30.06	31.50	1.393	0.189	/
	DSI4		Top Edge	15	190	836.6	0.12	0.094	30.06	31.50	1.393	0.131	/
Ant.1	DSI4	GPRS 2slots	Front Side	9	190	836.6	-0.15	0.279	30.37	31.50	1.297	0.362	/
	DSI4		Back Side	15	190	836.6	0.13	0.176	30.37	31.50	1.297	0.228	/
	DSI4		Bottom Edge	15	190	836.6	0.15	0.081	30.37	31.50	1.297	0.105	/

12.2 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 3slots	Left Cheek	0	810	1909.8	-0.01	0.363	20.41	21.50	1.285	0.466	/
	DSI1		Left Tilt	0	810	1909.8	-0.06	0.520	20.41	21.50	1.285	0.668	/
	DSI1		Right Cheek	0	810	1909.8	0.14	0.436	20.41	21.50	1.285	0.560	/
	DSI1		Right Tilt	0	810	1909.8	-0.16	0.656	20.41	21.50	1.285	0.843	/
	DSI1		Right Tilt	0	512	1850.2	-0.02	0.701	20.02	21.50	1.406	0.986	4#
	DSI1		Right Tilt	0	661	1880	-0.01	0.663	20.23	21.50	1.340	0.888	/
Ant.1	DSI1	GPRS 3slots	Left Cheek	0	661	1880	-0.04	0.052	25.33	26.50	1.309	0.068	/
	DSI1		Left Tilt	0	661	1880	0.12	0.048	25.33	26.50	1.309	0.063	/
	DSI1		Right Cheek	0	661	1880	0.15	0.065	25.33	26.50	1.309	0.085	/
	DSI1		Right Tilt	0	661	1880	-0.10	0.043	25.33	26.50	1.309	0.056	/
Body-worn													
Ant.4	DSI3	GPRS 3slots	Front Side	5	810	1909.8	0.01	0.546	20.91	22.00	1.285	0.702	/
	DSI3		Back Side	5	810	1909.8	0.12	0.682	20.91	22.00	1.285	0.876	/
	DSI3		Back Side	5	512	1850.2	0.00	0.729	20.55	22.00	1.396	1.018	5#
	DSI3		Back Side	5	661	1880	-0.14	0.703	20.75	22.00	1.334	0.938	/
Ant.1	DSI2	GPRS 3slots	Front Side	5	661	1880	0.11	0.396	24.35	25.50	1.303	0.516	/
	DSI2		Back Side	5	661	1880	0.16	0.708	24.35	25.50	1.303	0.923	/
	DSI2		Back Side	5	512	1850.2	0.01	0.714	24.25	25.50	1.334	0.952	/
	DSI2		Back Side	5	810	1909.8	0.01	0.665	24.33	25.50	1.309	0.870	/
Hotspot													
Ant.4	DSI5	GPRS 3slots	Front Side	10	810	1909.8	-0.02	0.089	22.20	23.50	1.349	0.120	/
	DSI5		Back Side	10	810	1909.8	-0.08	0.168	22.20	23.50	1.349	0.227	/
	DSI5		Left Edge	10	810	1909.8	-0.17	0.027	22.20	23.50	1.349	0.036	/
	DSI5		Top Edge	10	810	1909.8	0.00	0.223	22.20	23.50	1.349	0.301	/
Ant.1	DSI5	GPRS 3slots	Front Side	10	661	1880	-0.12	0.239	25.33	26.50	1.309	0.313	/
	DSI5		Back Side	10	661	1880	-0.06	0.380	25.33	26.50	1.309	0.497	/
	DSI5		Left Edge	10	661	1880	-0.08	0.106	25.33	26.50	1.309	0.139	/
	DSI5		Right Edge	10	661	1880	0.10	0.051	25.33	26.50	1.309	0.067	/
	DSI5		Bottom Edge	10	661	1880	-0.01	0.714	25.33	26.50	1.309	0.935	6#
	DSI5		Bottom Edge	10	512	1850.2	-0.10	0.660	25.28	26.50	1.324	0.874	/
	DSI5		Bottom Edge	10	810	1909.8	-0.17	0.591	25.30	26.50	1.318	0.779	/
Body (Sensor-1)													
Ant.4	DSI4	GPRS 3slots	Front Side	9	661	1880	-0.08	0.419	25.18	26.50	1.355	0.568	/
	DSI4		Back Side	15	661	1880	-0.01	0.311	25.18	26.50	1.355	0.421	/
	DSI4		Left Edge	9	661	1880	0.04	0.059	25.18	26.50	1.355	0.080	/
	DSI4		Top Edge	15	661	1880	0.02	0.415	25.18	26.50	1.355	0.562	/

Ant.1	DSI4	GPRS 3slots	Front Side	9	661	1880	-0.11	0.242	25.33	26.50	1.309	0.317	/
	DSI4		Back Side	15	661	1880	-0.02	0.219	25.33	26.50	1.309	0.287	/
	DSI4		Bottom Edge	15	661	1880	-0.11	0.342	25.33	26.50	1.309	0.448	/

12.3 Worst Case of GSM 1900 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	GPRS 3slots	Bottom Edge	10	661	1880	-0.06	0.714	25.33	26.50	1.309	0.935	138#
Hotspot-Worce Case for Secondary supply													
Ant.1	DSI5	GPRS 3slots	Bottom Edge	10	661	1880	-0.09	0.660	25.33	26.50	1.309	0.864	139#
Hotspot-Worce Case for Three supply													
Ant.1	DSI5	GPRS 3slots	Bottom Edge	10	661	1880	-0.07	0.638	25.33	26.50	1.309	0.835	140#

12.4WCDMA 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	9538	1907.6	0.03	0.436	15.23	16.50	1.340	0.584	/
	DSI1		Left Tilt	0	9538	1907.6	-0.19	0.514	15.23	16.50	1.340	0.689	/
	DSI1		Right Cheek	0	9538	1907.6	0.17	0.518	15.23	16.50	1.340	0.694	/
	DSI1		Right Tilt	0	9538	1907.6	-0.15	0.653	15.23	16.50	1.340	0.875	/
	DSI1		Right Tilt	0	9262	1852.4	-0.02	0.733	15.04	16.50	1.400	1.026	7#
	DSI1		Right Tilt	0	9400	1880	0.00	0.596	15.23	16.50	1.340	0.799	/
Ant.1	DSI1	RMC	Left Cheek	0	9400	1880	0.06	0.110	23.62	25.00	1.374	0.151	/
	DSI1		Left Tilt	0	9400	1880	-0.04	0.107	23.62	25.00	1.374	0.147	/
	DSI1		Right Cheek	0	9400	1880	0.05	0.138	23.62	25.00	1.374	0.190	/
	DSI1		Right Tilt	0	9400	1880	0.02	0.087	23.62	25.00	1.374	0.120	/
Body-worn													
Ant.4	DSI3	RMC	Front Side	5	9400	1880	-0.02	0.277	15.66	17.00	1.361	0.377	/
	DSI3		Back Side	5	9400	1880	-0.17	0.593	15.66	17.00	1.361	0.807	/
	DSI3		Back Side	5	9262	1852.4	-0.04	0.654	15.54	17.00	1.400	0.916	8#
	DSI3		Back Side	5	9538	1907.6	-0.18	0.535	15.64	17.00	1.368	0.732	/
Ant.1	DSI2	RMC	Front Side	5	9538	1907.6	-0.13	0.224	18.09	19.00	1.233	0.276	/
	DSI2		Back Side	5	9538	1907.6	-0.01	0.490	18.09	19.00	1.233	0.604	/
Hotspot													
Ant.4	DSI5	RMC	Front Side	10	9400	1880	-0.13	0.106	15.66	17.00	1.361	0.144	/
	DSI5		Back Side	10	9400	1880	0.05	0.200	15.66	17.00	1.361	0.272	/
	DSI5		Left Edge	10	9400	1880	0.14	0.033	15.66	17.00	1.361	0.045	/
	DSI5		Top Edge	10	9400	1880	0.01	0.290	15.66	17.00	1.361	0.395	/
Ant.1	DSI5	RMC	Front Side	10	9538	1907.6	-0.14	0.110	18.09	19.00	1.233	0.136	/
	DSI5		Back Side	10	9538	1907.6	0.17	0.186	18.09	19.00	1.233	0.229	/
	DSI5		Left Edge	10	9538	1907.6	0.06	0.048	18.09	19.00	1.233	0.059	/
	DSI5		Right Edge	10	9538	1907.6	0.07	0.006	18.09	19.00	1.233	0.007	/
	DSI5		Bottom Edge	10	9538	1907.6	-0.02	0.370	18.09	19.00	1.233	0.456	9#
Body (Sensor-1)													
Ant.4	DSI4	RMC	Front Side	9	9400	1880	0.09	0.705	21.87	23.00	1.297	0.914	/
	DSI4		Back Side	15	9400	1880	0.08	0.543	21.87	23.00	1.297	0.704	/
	DSI4		Left Edge	9	9400	1880	0.08	0.115	21.87	23.00	1.297	0.149	/
	DSI4		Top Edge	15	9400	1880	0.15	0.690	21.87	23.00	1.297	0.895	/
	DSI4		Front Side	9	9262	1852.4	-0.07	0.784	21.75	23.00	1.334	1.046	/
	DSI4		Front Side	9	9538	1907.6	0.13	0.658	21.81	23.00	1.315	0.865	/
	DSI4		Top Edge	15	9262	1852.4	0.04	0.764	21.75	23.00	1.334	1.019	/
	DSI4		Top Edge	15	9538	1907.6	-0.11	0.641	21.81	23.00	1.315	0.843	/

Ant.1	DSI4	RMC	Front Side	9	9400	1880	0.15	0.521	23.62	25.00	1.374	0.716	/
	DSI4		Back Side	15	9400	1880	-0.08	0.443	23.62	25.00	1.374	0.609	/
	DSI4		Bottom Edge	15	9400	1880	-0.08	0.764	23.62	25.00	1.374	1.050	/
	DSI4		Bottom Edge	15	9262	1852.4	0.13	0.780	23.58	25.00	1.387	1.082	/
	DSI4		Bottom Edge	15	9538	1907.6	0.03	0.694	23.57	25.00	1.390	0.965	/

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	10 g Scaled SAR (W/kg)	Meas. No.
Specific													
Ant.4	DSI3	RMC	Back Side	0	9400	1880	0.03	0.450	15.66	17.00	1.361	0.612	/
	DSI3		Top Edge	0	9400	1880	-0.04	0.928	15.66	17.00	1.361	1.263	/
Ant.1	DSI2	RMC	Bottom Edge	0	9538	1907.6	-0.02	1.170	18.09	19.00	1.233	1.443	10#

12.5WCDMA 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	-0.18	0.372	14.57	16.00	1.390	0.517	/
	DSI1		Left Tilt	0	1312	1712.4	0.11	0.462	14.57	16.00	1.390	0.642	/
	DSI1		Right Cheek	0	1312	1712.4	-0.11	0.471	14.57	16.00	1.390	0.655	/
	DSI1		Right Tilt	0	1312	1712.4	0.04	0.580	14.57	16.00	1.390	0.806	11#
	DSI1		Right Tilt	0	1412	1732.4	0.04	0.546	14.47	16.00	1.422	0.776	/
	DSI1		Right Tilt	0	1513	1752.6	-0.06	0.475	14.56	16.00	1.393	0.662	/
Ant.1	DSI1	RMC	Left Cheek	0	1312	1712.4	0.04	0.069	23.92	25.00	1.282	0.088	/
	DSI1		Left Tilt	0	1312	1712.4	-0.05	0.044	23.92	25.00	1.282	0.056	/
	DSI1		Right Cheek	0	1312	1712.4	-0.05	0.088	23.92	25.00	1.282	0.113	/
	DSI1		Right Tilt	0	1312	1712.4	-0.13	0.046	23.92	25.00	1.282	0.059	/
Body-worn													
Ant.4	DSI3	RMC	Front Side	5	1312	1712.4	-0.11	0.281	13.56	15.00	1.393	0.391	/
	DSI3		Back Side	5	1312	1712.4	0.13	0.446	13.56	15.00	1.393	0.621	/
Ant.1	DSI2	RMC	Front Side	5	1312	1712.4	-0.11	0.255	18.16	19.00	1.213	0.309	/
	DSI2		Back Side	5	1312	1712.4	-0.01	0.588	18.16	19.00	1.213	0.713	12#
Hotspot													
Ant.4	DSI5	RMC	Front Side	10	1312	1712.4	-0.18	0.122	13.56	15.00	1.393	0.170	/
	DSI5		Back Side	10	1312	1712.4	-0.07	0.209	13.56	15.00	1.393	0.291	/
	DSI5		Left Edge	10	1312	1712.4	-0.10	0.005	13.56	15.00	1.393	0.007	/
	DSI5		Top Edge	10	1312	1712.4	0.03	0.264	13.56	15.00	1.393	0.368	/
Ant.1	DSI5	RMC	Front Side	10	1312	1712.4	-0.10	0.122	18.16	19.00	1.213	0.148	/
	DSI5		Back Side	10	1312	1712.4	0.17	0.244	18.16	19.00	1.213	0.296	/
	DSI5		Left Edge	10	1312	1712.4	0.12	0.012	18.16	19.00	1.213	0.015	/
	DSI5		Right Edge	10	1312	1712.4	0.15	0.006	18.16	19.00	1.213	0.007	/
	DSI5		Bottom Edge	10	1312	1712.4	0.02	0.382	18.16	19.00	1.213	0.463	13#
Body (Sensor-1)													
Ant.4	DSI4	RMC	Front Side	9	1312	1712.4	0.13	0.770	21.10	22.50	1.380	1.063	/
	DSI4		Back Side	15	1312	1712.4	-0.05	0.488	21.10	22.50	1.380	0.673	/
	DSI4		Left Edge	9	1312	1712.4	0.04	0.108	21.10	22.50	1.380	0.149	/
	DSI4		Top Edge	15	1312	1712.4	-0.07	0.675	21.10	22.50	1.380	0.932	/
	DSI4		Front Side	9	1412	1732.4	0.01	0.680	21.08	22.50	1.387	0.943	/
	DSI4		Front Side	9	1513	1752.6	0.12	0.568	21.09	22.50	1.384	0.786	/
	DSI4		Top Edge	15	1412	1732.4	-0.04	0.645	21.08	22.50	1.387	0.895	/
	DSI4		Top Edge	15	1513	1752.6	0.03	0.550	21.09	22.50	1.384	0.761	/
Ant.1	DSI4	RMC	Front Side	9	1312	1712.4	0.00	0.606	23.92	25.00	1.282	0.777	/
	DSI4		Back Side	15	1312	1712.4	-0.05	0.559	23.92	25.00	1.282	0.717	/

	DSI4		Bottom Edge	15	1312	1712.4	0.10	0.771	23.92	25.00	1.282	0.988	/
	DSI4		Bottom Edge	15	1412	1732.4	0.04	0.826	23.90	25.00	1.288	1.064	/
	DSI4		Bottom Edge	15	1513	1752.6	-0.06	0.783	23.86	25.00	1.300	1.018	/

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	10 g Scaled SAR (W/kg)	Meas. No.
Specific													
Ant.4	DSI3	RMC	Front Side	0	1312	1712.4	0.03	0.321	13.56	15.00	1.393	0.447	/
	DSI3		Back Side	0	1312	1712.4	-0.04	0.286	13.56	15.00	1.393	0.398	/
	DSI3		Top Edge	0	1312	1712.4	-0.01	0.590	13.56	15.00	1.393	0.822	/
Ant.1	DSI2	RMC	Bottom Edge	0	1312	1712.4	-0.01	0.920	18.16	19.00	1.213	1.116	14#

12.6WCDMA 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	-0.18	0.570	21.56	23.00	1.393	0.794	/
	DSI1		Left Tilt	0	4233	846.6	-0.03	0.499	21.56	23.00	1.393	0.695	/
	DSI1		Right Cheek	0	4233	846.6	-0.01	0.730	21.56	23.00	1.393	1.017	15#
	DSI1		Right Tilt	0	4233	846.6	-0.11	0.619	21.56	23.00	1.393	0.862	/
	DSI1		Right Cheek	0	4132	826.4	0.04	0.625	21.45	23.00	1.429	0.893	/
	DSI1		Right Cheek	0	4182	836.4	-0.15	0.689	21.50	23.00	1.413	0.974	/
	DSI1		Right Tilt	0	4132	826.4	0.05	0.526	21.45	23.00	1.429	0.752	/
	DSI1		Right Tilt	0	4182	836.4	0.10	0.571	21.50	23.00	1.413	0.807	/
Ant.1	DSI1	RMC	Left Cheek	0	4132	826.4	0.07	0.103	24.02	25.00	1.253	0.129	/
	DSI1		Left Tilt	0	4132	826.4	0.16	0.064	24.02	25.00	1.253	0.080	/
	DSI1		Right Cheek	0	4132	826.4	0.14	0.126	24.02	25.00	1.253	0.158	/
	DSI1		Right Tilt	0	4132	826.4	-0.04	0.066	24.02	25.00	1.253	0.083	/
Body-worn													
Ant.4	DSI3	RMC	Front Side	5	4182	836.4	0.19	0.355	20.32	22.00	1.472	0.523	/
	DSI3		Back Side	5	4182	836.4	-0.01	0.488	20.32	22.00	1.472	0.718	/
Ant.1	DSI2	RMC	Front Side	5	4233	846.6	-0.15	0.512	23.19	24.50	1.352	0.692	/
	DSI2		Back Side	5	4233	846.6	-0.04	0.763	23.19	24.50	1.352	1.032	16#
	DSI2		Back Side	5	4132	826.4	-0.06	0.736	23.17	24.50	1.358	0.999	/
	DSI2		Back Side	5	4182	836.4	-0.04	0.723	23.13	24.50	1.371	0.991	/
Hotspot													
Ant.4	DSI5	RMC	Front Side	10	4182	836.4	0.18	0.172	20.32	22.00	1.472	0.253	/
	DSI5		Back Side	10	4182	836.4	0.13	0.271	20.32	22.00	1.472	0.399	/
	DSI5		Left Edge	10	4182	836.4	0.02	0.059	20.32	22.00	1.472	0.087	/
	DSI5		Top Edge	10	4182	836.4	0.16	0.139	20.32	22.00	1.472	0.205	/
Ant.1	DSI5	RMC	Front Side	10	4233	846.6	0.17	0.236	23.19	24.50	1.352	0.319	/
	DSI5		Back Side	10	4233	846.6	-0.02	0.303	23.19	24.50	1.352	0.410	17#
	DSI5		Left Edge	10	4233	846.6	-0.12	0.070	23.19	24.50	1.352	0.095	/
	DSI5		Right Edge	10	4233	846.6	-0.15	0.129	23.19	24.50	1.352	0.174	/
	DSI5		Bottom Edge	10	4233	846.6	0.02	0.260	23.19	24.50	1.352	0.352	/
Body (Sensor-1)													
Ant.4	DSI4	RMC	Front Side	9	4132	826.4	0.01	0.279	23.63	25.00	1.371	0.383	/
	DSI4		Back Side	15	4132	826.4	-0.08	0.184	23.63	25.00	1.371	0.252	/
	DSI4		Left Edge	9	4132	826.4	0.00	0.121	23.63	25.00	1.371	0.166	/
	DSI4		Top Edge	15	4132	826.4	0.02	0.088	23.63	25.00	1.371	0.121	/
Ant.1	DSI4	RMC	Front Side	9	4132	826.4	0.11	0.223	24.02	25.00	1.253	0.279	/
	DSI4		Back Side	15	4132	826.4	-0.01	0.140	24.02	25.00	1.253	0.175	/

	DSI4		Bottom Edge	15	4132	826.4	-0.06	0.078	24.02	25.00	1.253	0.098	/
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12.7LTE 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	18900	1880	1	Low	-0.18	0.383	15.87	17.00	1.297	0.497	/
	DSI1		Left Tilt	0	18900	1880	1	Low	0.02	0.458	15.87	17.00	1.297	0.594	/
	DSI1		Right Cheek	0	18900	1880	1	Low	-0.17	0.495	15.87	17.00	1.297	0.642	/
	DSI1		Right Tilt	0	18900	1880	1	Low	0.17	0.689	15.87	17.00	1.297	0.894	/
	DSI1		Left Cheek	0	18900	1880	50	Mid	0.17	0.382	15.84	17.00	1.306	0.499	/
	DSI1		Left Tilt	0	18900	1880	50	Mid	0.17	0.435	15.84	17.00	1.306	0.568	/
	DSI1		Right Cheek	0	18900	1880	50	Mid	-0.19	0.484	15.84	17.00	1.306	0.632	/
	DSI1		Right Tilt	0	18900	1880	50	Mid	0.10	0.654	15.84	17.00	1.306	0.854	/
	DSI1		Right Tilt	0	18700	1860	1	High	-0.03	0.705	15.82	17.00	1.312	0.925	18#
	DSI1		Right Tilt	0	19100	1900	1	High	-0.11	0.636	15.84	17.00	1.306	0.831	/
	DSI1		Right Tilt	0	18700	1860	50	High	-0.15	0.621	15.81	17.00	1.315	0.817	/
	DSI1		Right Tilt	0	19100	1900	50	Low	0.06	0.602	15.84	17.00	1.306	0.786	/
DSI1	Right Tilt	0	18900	1880	100	Low	-0.19	0.613	15.81	17.00	1.315	0.806	/		
Ant.3	DSI1	QPSK	Left Cheek	0	18900	1880	1	Mid	0.09	0.251	21.60	23.00	1.380	0.346	/
	DSI1		Left Tilt	0	18900	1880	1	Mid	0.01	0.096	21.60	23.00	1.380	0.132	/
	DSI1		Right Cheek	0	18900	1880	1	Mid	-0.11	0.421	21.60	23.00	1.380	0.581	/
	DSI1		Right Tilt	0	18900	1880	1	Mid	-0.09	0.118	21.60	23.00	1.380	0.163	/
	DSI1		Left Cheek	0	18700	1860	50	High	-0.11	0.246	21.59	23.00	1.384	0.340	/
	DSI1		Left Tilt	0	18700	1860	50	High	0.05	0.094	21.59	23.00	1.384	0.130	/
	DSI1		Right Cheek	0	18700	1860	50	High	0.11	0.419	21.59	23.00	1.384	0.580	/
	DSI1		Right Tilt	0	18700	1860	50	High	0.09	0.115	21.59	23.00	1.384	0.159	/
Ant.1	DSI1	QPSK	Left Cheek	0	18700	1860	1	Mid	0.12	0.103	24.04	25.50	1.400	0.144	/
	DSI1		Left Tilt	0	18700	1860	1	Mid	0.07	0.062	24.04	25.50	1.400	0.087	/
	DSI1		Right Cheek	0	18700	1860	1	Mid	-0.17	0.092	24.04	25.50	1.400	0.129	/
	DSI1		Right Tilt	0	18700	1860	1	Mid	-0.16	0.065	24.04	25.50	1.400	0.091	/
	DSI1		Left Cheek	0	18700	1860	50	Low	0.18	0.088	23.02	24.50	1.406	0.124	/
	DSI1		Left Tilt	0	18700	1860	50	Low	0.10	0.051	23.02	24.50	1.406	0.072	/
	DSI1		Right Cheek	0	18700	1860	50	Low	0.09	0.081	23.02	24.50	1.406	0.114	/
	DSI1		Right Tilt	0	18700	1860	50	Low	0.07	0.053	23.02	24.50	1.406	0.075	/
Body-worn															
Ant.4	DSI3	QPSK	Front Side	5	18900	1880	1	Mid	0.02	0.365	16.37	17.50	1.297	0.473	/
	DSI3		Back Side	5	18900	1880	1	Mid	-0.03	0.614	16.37	17.50	1.297	0.796	19#
	DSI3		Front Side	5	18900	1880	50	Mid	-0.03	0.274	16.30	17.50	1.318	0.361	/
	DSI3		Back Side	5	18900	1880	50	Mid	0.01	0.526	16.30	17.50	1.318	0.693	/
Ant.3	DSI3	QPSK	Front Side	5	18900	1880	1	Low	0.08	0.108	15.72	17.00	1.343	0.145	/
	DSI3		Back Side	5	18900	1880	1	Low	-0.09	0.416	15.72	17.00	1.343	0.559	/

	DSI3		Front Side	5	19100	1900	50	Low	-0.05	0.105	15.68	17.00	1.355	0.142	/
	DSI3		Back Side	5	19100	1900	50	Low	-0.11	0.410	15.68	17.00	1.355	0.556	/
Ant. 1	DSI2	QPSK	Front Side	5	18900	1880	1	Mid	-0.11	0.244	18.77	19.50	1.183	0.289	/
	DSI2		Back Side	5	18900	1880	1	Mid	-0.15	0.482	18.77	19.50	1.183	0.570	/
	DSI2		Front Side	5	18900	1880	50	Mid	0.12	0.211	18.70	19.50	1.202	0.254	/
	DSI2		Back Side	5	18900	1880	50	Mid	-0.18	0.391	18.70	19.50	1.202	0.470	/
Hotspot															
Ant. 4	DSI5	QPSK	Front Side	10	18900	1880	1	Mid	0.05	0.173	16.37	17.50	1.297	0.224	/
	DSI5		Back Side	10	18900	1880	1	Mid	-0.15	0.276	16.37	17.50	1.297	0.358	/
	DSI5		Left Edge	10	18900	1880	1	Mid	0.03	0.063	16.37	17.50	1.297	0.082	/
	DSI5		Top Edge	10	18900	1880	1	Mid	0.03	0.424	16.37	17.50	1.297	0.550	20#
	DSI5		Front Side	10	18900	1880	50	Mid	0.06	0.162	16.30	17.50	1.318	0.214	/
	DSI5		Back Side	10	18900	1880	50	Mid	-0.03	0.260	16.30	17.50	1.318	0.343	/
	DSI5		Left Edge	10	18900	1880	50	Mid	0.19	0.059	16.30	17.50	1.318	0.078	/
	DSI5		Top Edge	10	18900	1880	50	Mid	-0.05	0.406	16.30	17.50	1.318	0.535	/
Ant. 3	DSI5	QPSK	Front Side	10	18900	1880	1	Low	-0.12	0.053	15.72	17.00	1.343	0.071	/
	DSI5		Back Side	10	18900	1880	1	Low	0.12	0.192	15.72	17.00	1.343	0.258	/
	DSI5		Left Edge	10	18900	1880	1	Low	-0.04	0.132	15.72	17.00	1.343	0.177	/
	DSI5		Front Side	10	19100	1900	50	Low	0.06	0.054	15.68	17.00	1.355	0.073	/
	DSI5		Back Side	10	19100	1900	50	Low	0.09	0.189	15.68	17.00	1.355	0.256	/
	DSI5		Left Edge	10	19100	1900	50	Low	0.00	0.130	15.68	17.00	1.355	0.176	/
Ant. 1	DSI5	QPSK	Front Side	10	18900	1900	1	Mid	0.00	0.140	18.77	19.50	1.183	0.166	/
	DSI5		Back Side	10	18900	1880	1	Mid	0.00	0.230	18.77	19.50	1.183	0.272	/
	DSI5		Left Edge	10	18900	1880	1	Mid	-0.10	0.058	18.77	19.50	1.183	0.069	/
	DSI5		Right Edge	10	18900	1880	1	Mid	-0.19	0.034	18.77	19.50	1.183	0.040	/
	DSI5		Bottom Edge	10	18900	1880	1	Mid	-0.04	0.404	18.77	19.50	1.183	0.478	/
	DSI5		Front Side	10	18900	1880	50	Mid	-0.10	0.128	18.70	19.50	1.202	0.154	/
	DSI5		Back Side	10	18900	1880	50	Mid	0.07	0.223	18.70	19.50	1.202	0.268	/
	DSI5		Left Edge	10	18900	1880	50	Mid	-0.13	0.052	18.70	19.50	1.202	0.063	/
	DSI5		Right Edge	10	18900	1880	50	Mid	0.18	0.033	18.70	19.50	1.202	0.040	/
	DSI5		Bottom Edge	10	18900	1880	50	Mid	0.09	0.386	18.70	19.50	1.202	0.464	/
Body (Sensor-1)															
Ant. 4	DSI4	QPSK	Front Side	9	18900	1880	1	Mid	0.09	0.649	21.74	23.00	1.337	0.868	/
	DSI4		Back Side	15	18900	1880	1	Mid	-0.05	0.521	21.74	23.00	1.337	0.697	/
	DSI4		Left Edge	9	18900	1880	1	Mid	0.03	0.195	21.74	23.00	1.337	0.261	/
	DSI4		Top Edge	15	18900	1880	1	Mid	0.07	0.596	21.74	23.00	1.337	0.797	/
	DSI4		Front Side	9	18700	1860	50	Mid	-0.09	0.641	21.76	23.00	1.330	0.853	/
	DSI4		Back Side	15	18700	1860	50	Mid	-0.08	0.518	21.76	23.00	1.330	0.689	/
	DSI4		Left Edge	9	18700	1860	50	Mid	0.13	0.192	21.76	23.00	1.330	0.255	/
	DSI4		Top Edge	15	18700	1860	50	Mid	-0.04	0.592	21.76	23.00	1.330	0.787	/
	DSI4		Front Side	9	18700	1860	1	High	-0.03	0.776	21.68	23.00	1.355	1.051	/
	DSI4		Front Side	9	19100	1900	1	Mid	0.04	0.703	21.73	23.00	1.340	0.942	/
	DSI4		Front Side	9	18900	1880	50	Low	0.11	0.758	21.67	23.00	1.358	1.029	/

	DSI4		Front Side	9	19100	1900	50	High	-0.05	0.749	21.71	23.00	1.346	1.008	/
	DSI4		Front Side	9	19100	1900	100	Low	-0.10	0.738	21.64	23.00	1.368	1.010	/
Ant.1	DSI4	QPSK	Front Side	9	18700	1860	1	High	0.08	0.463	23.07	24.50	1.390	0.644	/
	DSI4		Back Side	15	18700	1860	1	High	-0.15	0.392	23.07	24.50	1.390	0.545	/
	DSI4		Bottom Edge	15	18700	1860	1	High	0.05	0.675	23.07	24.50	1.390	0.938	/
	DSI4		Front Side	9	18900	1880	50	Mid	0.10	0.456	23.07	24.50	1.390	0.634	/
	DSI4		Back Side	15	18900	1880	50	Mid	-0.06	0.385	23.07	24.50	1.390	0.535	/
	DSI4		Bottom Edge	15	18900	1880	50	Mid	0.00	0.668	23.07	24.50	1.390	0.929	/
	DSI4		Bottom Edge	15	18900	1880	1	Mid	0.15	0.732	23.01	24.50	1.409	1.031	/
	DSI4		Bottom Edge	15	19100	1900	1	Mid	0.02	0.711	22.98	24.50	1.419	1.009	/
	DSI4		Bottom Edge	15	18700	1860	50	Low	0.02	0.724	23.03	24.50	1.403	1.016	/
	DSI4		Bottom Edge	15	19100	1900	50	High	0.05	0.701	23.01	24.50	1.409	0.988	/
	DSI4		Bottom Edge	15	19100	1900	100	Low	0.10	0.695	23.05	24.50	1.396	0.970	/

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.
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Specific

Ant.4	DSI3	QPSK	Front Side	0	18900	1880	1	Mid	-0.15	0.525	16.37	17.50	1.297	0.681	/
	DSI3		Back Side	0	18900	1880	1	Mid	-0.10	0.509	16.37	17.50	1.297	0.660	/
	DSI3		Top Edge	0	18900	1880	1	Mid	0.01	1.050	16.37	17.50	1.297	1.362	/
	DSI3		Front Side	0	18900	1880	50	Mid	0.05	0.515	16.30	17.50	1.318	0.679	/
	DSI3		Back Side	0	18900	1880	50	Mid	0.08	0.502	16.30	17.50	1.318	0.662	/
	DSI3		Top Edge	0	18900	1880	50	Mid	-0.10	1.040	16.30	17.50	1.318	1.371	/
Ant.1	DSI2	QPSK	Bottom Edge	0	18900	1880	1	Mid	-0.04	1.260	18.77	19.50	1.183	1.491	21#
	DSI2		Bottom Edge	0	18900	1880	50	Mid	0.03	1.210	18.70	19.50	1.202	1.454	/

12.8LTE 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	20300	1745	1	High	0.11	0.326	15.68	17.00	1.355	0.442	/
	DSI1		Left Tilt	0	20300	1745	1	High	0.16	0.385	15.68	17.00	1.355	0.522	/
	DSI1		Right Cheek	0	20300	1745	1	High	0.09	0.605	15.68	17.00	1.355	0.820	/
	DSI1		Right Tilt	0	20300	1745	1	High	0.09	0.685	15.68	17.00	1.355	0.928	/
	DSI1		Left Cheek	0	20175	1732.5	50	Low	-0.16	0.273	15.64	17.00	1.368	0.373	/
	DSI1		Left Tilt	0	20175	1732.5	50	Low	0.17	0.348	15.64	17.00	1.368	0.476	/
	DSI1		Right Cheek	0	20175	1732.5	50	Low	0.07	0.597	15.64	17.00	1.368	0.817	/
	DSI1		Right Tilt	0	20175	1732.5	50	Low	-0.03	0.682	15.64	17.00	1.368	0.933	/
	DSI1		Right Cheek	0	20050	1720	1	Mid	0.13	0.596	15.67	17.00	1.358	0.809	/
	DSI1		Right Cheek	0	20175	1732.5	1	Low	-0.08	0.642	15.67	17.00	1.358	0.872	/
	DSI1		Right Cheek	0	20050	1720	50	High	-0.04	0.629	15.62	17.00	1.374	0.864	/
	DSI1		Right Cheek	0	20300	1745	50	High	-0.11	0.597	15.64	17.00	1.368	0.817	/
	DSI1		Right Cheek	0	20050	1720	100	Low	-0.08	0.614	15.57	17.00	1.390	0.853	/
	DSI1		Right Tilt	0	20175	1732.5	50	Low	-0.03	0.682	15.64	17.00	1.368	0.933	/
	DSI1		Right Tilt	0	20050	1720	1	Mid	-0.02	0.734	15.67	17.00	1.358	0.997	22#
	DSI1		Right Tilt	0	20175	1732.5	1	Low	0.12	0.730	15.67	17.00	1.358	0.991	/
	DSI1		Right Tilt	0	20050	1720	50	High	0.11	0.682	15.62	17.00	1.374	0.937	/
	DSI1		Right Tilt	0	20300	1745	50	High	0.05	0.702	15.64	17.00	1.368	0.960	/
DSI1	Right Tilt	0	20050	1720	100	Low	0.17	0.690	15.57	17.00	1.390	0.959	/		
Ant.3	DSI1	QPSK	Left Cheek	0	20175	1732.5	1	High	-0.02	0.226	22.11	23.00	1.227	0.277	/
	DSI1		Left Tilt	0	20175	1732.5	1	High	-0.17	0.083	22.11	23.00	1.227	0.102	/
	DSI1		Right Cheek	0	20175	1732.5	1	High	0.14	0.385	22.11	23.00	1.227	0.472	/
	DSI1		Right Tilt	0	20175	1732.5	1	High	0.10	0.130	22.11	23.00	1.227	0.160	/
	DSI1		Left Cheek	0	20050	1720	50	High	0.03	0.179	22.14	23.00	1.219	0.218	/
	DSI1		Left Tilt	0	20050	1720	50	High	-0.15	0.067	22.14	23.00	1.219	0.082	/
	DSI1		Right Cheek	0	20050	1720	50	High	-0.15	0.308	22.14	23.00	1.219	0.375	/
	DSI1		Right Tilt	0	20050	1720	50	High	0.05	0.112	22.14	23.00	1.219	0.137	/
Ant.1	DSI1	QPSK	Left Cheek	0	20050	1720	1	High	0.04	0.066	24.53	25.50	1.250	0.083	/
	DSI1		Left Tilt	0	20050	1720	1	High	-0.18	0.046	24.53	25.50	1.250	0.058	/
	DSI1		Right Cheek	0	20050	1720	1	High	0.02	0.091	24.53	25.50	1.250	0.114	/
	DSI1		Right Tilt	0	20050	1720	1	High	0.05	0.039	24.53	25.50	1.250	0.049	/
	DSI1		Left Cheek	0	20175	1732.5	50	High	-0.13	0.055	23.46	24.50	1.271	0.070	/
	DSI1		Left Tilt	0	20175	1732.5	50	High	0.02	0.043	23.46	24.50	1.271	0.055	/
	DSI1		Right Cheek	0	20175	1732.5	50	High	-0.01	0.075	23.46	24.50	1.271	0.095	/
	DSI1		Right Tilt	0	20175	1732.5	50	High	0.06	0.030	23.46	24.50	1.271	0.038	/
Body-worn															

Ant.4	DSI3	QPSK	Front Side	5	20175	1732.5	1	High	0.08	0.224	14.23	15.50	1.340	0.300	/
	DSI3		Back Side	5	20175	1732.5	1	High	0.02	0.451	14.23	15.50	1.340	0.604	/
	DSI3		Front Side	5	20050	1720	50	High	0.12	0.218	14.17	15.50	1.358	0.296	/
	DSI3		Back Side	5	20050	1720	50	High	-0.05	0.384	14.17	15.50	1.358	0.521	/
Ant.3	DSI3	QPSK	Front Side	5	20175	1732.5	1	High	0.01	0.118	16.35	17.00	1.161	0.137	/
	DSI3		Back Side	5	20175	1732.5	1	High	0.13	0.411	16.35	17.00	1.161	0.477	/
	DSI3		Front Side	5	20300	1745	50	Low	0.12	0.116	16.28	17.00	1.180	0.137	/
	DSI3		Back Side	5	20300	1745	50	Low	0.17	0.417	16.28	17.00	1.180	0.492	/
Ant.1	DSI2	QPSK	Front Side	5	20175	1732.5	1	High	0.03	0.248	18.76	19.50	1.186	0.294	/
	DSI2		Back Side	5	20175	1732.5	1	High	0.04	0.604	18.76	19.50	1.186	0.716	23#
	DSI2		Front Side	5	20050	1720	50	High	0.17	0.207	18.70	19.50	1.202	0.249	/
	DSI2		Back Side	5	20050	1720	50	High	0.00	0.475	18.70	19.50	1.202	0.571	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	20175	1732.5	1	High	0.13	0.108	14.23	15.50	1.340	0.145	/
	DSI5		Back Side	10	20175	1732.5	1	High	-0.12	0.193	14.23	15.50	1.340	0.259	/
	DSI5		Left Edge	10	20175	1732.5	1	High	-0.08	0.021	14.23	15.50	1.340	0.028	/
	DSI5		Top Edge	10	20175	1732.5	1	High	0.05	0.261	14.23	15.50	1.340	0.350	/
	DSI5		Front Side	10	20050	1720	50	High	0.13	0.102	14.17	15.50	1.358	0.139	/
	DSI5		Back Side	10	20050	1720	50	High	-0.18	0.191	14.17	15.50	1.358	0.259	/
	DSI5		Left Edge	10	20050	1720	50	High	0.18	0.021	14.17	15.50	1.358	0.029	/
	DSI5		Top Edge	10	20050	1720	50	High	0.07	0.254	14.17	15.50	1.358	0.345	/
Ant.3	DSI5	QPSK	Front Side	10	20300	1732.5	1	High	0.10	0.050	16.35	17.00	1.161	0.058	/
	DSI5		Back Side	10	20300	1732.5	1	High	0.03	0.171	16.35	17.00	1.161	0.199	/
	DSI5		Left Edge	10	20300	1732.5	1	High	-0.08	0.110	16.35	17.00	1.161	0.128	/
	DSI5		Front Side	10	20300	1745	50	Low	0.11	0.048	16.28	17.00	1.180	0.057	/
	DSI5		Back Side	10	20300	1745	50	Low	0.15	0.168	16.28	17.00	1.180	0.198	/
	DSI5		Left Edge	10	20300	1745	50	Low	-0.04	0.106	16.28	17.00	1.180	0.125	/
Ant.1	DSI5	QPSK	Front Side	10	20175	1732.5	1	High	0.15	0.130	18.76	19.50	1.186	0.154	/
	DSI5		Back Side	10	20175	1732.5	1	High	-0.13	0.257	18.76	19.50	1.186	0.305	/
	DSI5		Left Edge	10	20175	1732.5	1	High	-0.11	0.034	18.76	19.50	1.186	0.040	/
	DSI5		Right Edge	10	20175	1732.5	1	High	-0.18	0.026	18.76	19.50	1.186	0.031	/
	DSI5		Bottom Edge	10	20175	1732.5	1	High	-0.04	0.404	18.76	19.50	1.186	0.479	24#
	DSI5		Front Side	10	20050	1720	50	High	0.04	0.124	18.70	19.50	1.202	0.149	/
	DSI5		Back Side	10	20050	1720	50	High	0.10	0.251	18.70	19.50	1.202	0.302	/
	DSI5		Left Edge	10	20050	1720	50	High	-0.10	0.032	18.70	19.50	1.202	0.038	/
	DSI5		Right Edge	10	20050	1720	50	High	-0.13	0.025	18.70	19.50	1.202	0.030	/
	DSI5		Bottom Edge	10	20050	1720	50	High	-0.12	0.395	18.70	19.50	1.202	0.475	/
Body (Sensor-1)															
Ant.4	DSI4	QPSK	Front Side	9	20050	1720	1	High	0.06	0.719	20.65	22.00	1.365	0.981	/
	DSI4		Back Side	15	20050	1720	1	High	-0.05	0.246	20.65	22.00	1.365	0.336	/
	DSI4		Left Edge	9	20050	1720	1	High	0.08	0.089	20.65	22.00	1.365	0.121	/
	DSI4		Top Edge	15	20050	1720	1	High	-0.01	0.324	20.65	22.00	1.365	0.442	/

	DSI4		Front Side	9	20300	1745	50	Mid	0.04	0.705	20.56	22.00	1.393	0.982	/
	DSI4		Back Side	15	20300	1745	50	Mid	0.04	0.241	20.56	22.00	1.393	0.336	/
	DSI4		Left Edge	9	20300	1745	50	Mid	-0.01	0.085	20.56	22.00	1.393	0.118	/
	DSI4		Top Edge	15	20300	1745	50	Mid	0.08	0.318	20.56	22.00	1.393	0.443	/
	DSI4		Front Side	9	20175	1732.5	1	High	0.12	0.768	20.62	22.00	1.374	1.055	/
	DSI4		Front Side	9	20300	1745	1	High	-0.07	0.621	20.51	22.00	1.409	0.875	/
	DSI4		Front Side	9	20050	1720	50	High	0.08	0.750	20.54	22.00	1.400	1.050	/
	DSI4		Front Side	9	20175	1732.5	50	High	-0.06	0.652	20.53	22.00	1.403	0.915	/
	DSI4		Front Side	9	20300	1745	100	Low	-0.03	0.674	20.58	22.00	1.387	0.935	/
Ant. 1	DSI4	QPSK	Front Side	9	20050	1720	1	High	0.10	0.642	24.08	25.00	1.236	0.794	/
	DSI4		Back Side	15	20050	1720	1	High	-0.04	0.576	24.08	25.00	1.236	0.712	/
	DSI4		Bottom Edge	15	20050	1720	1	High	0.07	0.813	24.08	25.00	1.236	1.005	/
	DSI4		Front Side	9	20050	1720	50	High	-0.08	0.621	23.42	24.50	1.282	0.796	/
	DSI4		Back Side	15	20050	1720	50	High	0.03	0.563	23.42	24.50	1.282	0.722	/
	DSI4		Bottom Edge	15	20050	1720	50	High	-0.06	0.786	23.42	24.50	1.282	1.008	/
	DSI4		Bottom Edge	15	20175	1732.5	1	High	-0.03	0.764	23.90	25.00	1.288	0.984	/
	DSI4		Bottom Edge	15	20300	1745	1	High	0.03	0.832	23.91	25.00	1.285	1.069	/
	DSI4		Bottom Edge	15	20175	1732.5	50	Low	0.11	0.753	23.41	24.50	1.285	0.968	/
	DSI4		Bottom Edge	15	20300	1745	50	Mid	-0.04	0.820	23.39	24.50	1.291	1.059	/
	DSI4		Bottom Edge	15	20175	1732.5	100	Low	-0.11	0.804	23.49	24.50	1.262	1.015	/

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.
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Specific

Ant. 4	DSI3	QPSK	Front Side	0	20175	1732.5	1	High	-0.09	0.313	14.23	15.50	1.340	0.419	/
	DSI3		Back Side	0	20175	1732.5	1	High	-0.05	0.273	14.23	15.50	1.340	0.366	/
	DSI3		Top Edge	0	20175	1732.5	1	High	0.14	0.589	14.23	15.50	1.340	0.789	/
	DSI3		Front Side	0	20050	1720	50	High	0.06	0.313	14.17	15.50	1.358	0.425	/
	DSI3		Back Side	0	20050	1720	50	High	-0.11	0.264	14.17	15.50	1.358	0.359	/
	DSI3		Top Edge	0	20050	1720	50	High	0.02	0.600	14.17	15.50	1.358	0.815	/
Ant. 1	DSI2	QPSK	Back Side	0	20175	1732.5	1	High	0.10	0.820	18.76	19.50	1.186	0.973	/
	DSI2		Bottom Edge	0	20175	1732.5	1	High	-0.02	0.966	18.76	19.50	1.186	1.146	25#
	DSI2		Back Side	0	20050	1720	50	High	-0.13	0.815	18.70	19.50	1.202	0.980	/
	DSI2		Bottom Edge	0	20050	1720	50	High	-0.14	0.951	18.70	19.50	1.202	1.143	/

12.9LTE Band 5 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.4	DSI1	QPSK	Left Cheek	0	20525	836.5	1	Low	0.19	0.459	21.05	22.50	1.396	0.641	/
	DSI1		Left Tilt	0	20525	836.5	1	Low	0.08	0.394	21.05	22.50	1.396	0.550	/
	DSI1		Right Cheek	0	20525	836.5	1	Low	-0.06	0.780	21.05	22.50	1.396	1.089	26#
	DSI1		Right Tilt	0	20525	836.5	1	Low	0.02	0.536	21.05	22.50	1.396	0.748	/
	DSI1		Left Cheek	0	20450	829	25	High	0.06	0.458	20.81	22.50	1.476	0.676	/
	DSI1		Left Tilt	0	20450	829	25	High	-0.06	0.406	20.81	22.50	1.476	0.599	/
	DSI1		Right Cheek	0	20450	829	25	High	0.09	0.717	20.81	22.50	1.476	1.058	/
	DSI1		Right Tilt	0	20450	829	25	High	-0.01	0.525	20.81	22.50	1.476	0.775	/
	DSI1		Right Cheek	0	20450	829	1	Low	0.16	0.734	21.02	22.50	1.406	1.032	/
	DSI1		Right Cheek	0	20600	844	1	Low	0.19	0.726	21.01	22.50	1.409	1.023	/
	DSI1		Right Cheek	0	20525	836.5	25	High	0.00	0.709	20.74	22.50	1.500	1.064	/
	DSI1		Right Cheek	0	20600	844	25	Low	-0.05	0.684	20.75	22.50	1.496	1.023	/
	DSI1		Right Cheek	0	20450	829	50	Low	0.17	0.685	20.77	22.50	1.489	1.020	/
Ant.1	DSI1	QPSK	Left Cheek	0	20525	836.5	1	Mid	0.11	0.111	24.30	25.50	1.318	0.146	/
	DSI1		Left Tilt	0	20525	836.5	1	Mid	0.02	0.059	24.30	25.50	1.318	0.078	/
	DSI1		Right Cheek	0	20525	836.5	1	Mid	-0.07	0.133	24.30	25.50	1.318	0.175	/
	DSI1		Right Tilt	0	20525	836.5	1	Mid	-0.16	0.066	24.30	25.50	1.318	0.087	/
	DSI1		Left Cheek	0	20450	829	25	Low	0.08	0.093	23.42	24.50	1.282	0.119	/
	DSI1		Left Tilt	0	20450	829	25	Low	-0.19	0.049	23.42	24.50	1.282	0.063	/
	DSI1		Right Cheek	0	20450	829	25	Low	0.08	0.112	23.42	24.50	1.282	0.144	/
	DSI1		Right Tilt	0	20450	829	25	Low	-0.05	0.058	23.42	24.50	1.282	0.074	/
Body-worn															
Ant.4	DSI3	QPSK	Front Side	5	20525	836.5	1	Low	-0.01	0.405	21.98	23.50	1.419	0.575	/
	DSI3		Back Side	5	20525	836.5	1	Low	-0.01	0.763	21.98	23.50	1.419	1.083	27#
	DSI3		Front Side	5	20525	836.5	25	High	-0.13	0.392	21.87	23.50	1.455	0.570	/
	DSI3		Back Side	5	20525	836.5	25	High	0.14	0.732	21.87	23.50	1.455	1.065	/
	DSI3		Back Side	5	20450	829	1	Low	-0.19	0.742	21.87	23.50	1.455	1.080	/
	DSI3		Back Side	5	20600	844	1	High	0.04	0.705	21.86	23.50	1.459	1.029	/
	DSI3		Back Side	5	20450	829	25	Low	-0.08	0.642	21.86	23.50	1.459	0.937	/
	DSI3		Back Side	5	20600	844	25	Low	-0.07	0.686	21.77	23.50	1.489	1.021	/
	DSI3		Back Side	5	20450	829	50	Low	0.09	0.715	21.85	23.50	1.462	1.045	/
Ant.1	DSI2	QPSK	Front Side	5	20525	836.5	1	High	-0.02	0.332	22.78	24.00	1.324	0.440	/
	DSI2		Back Side	5	20525	836.5	1	High	0.01	0.550	22.78	24.00	1.324	0.728	/
	DSI2		Front Side	5	20600	844	25	Low	0.19	0.329	22.78	24.00	1.324	0.436	/
	DSI2		Back Side	5	20600	844	25	Low	0.07	0.536	22.78	24.00	1.324	0.710	/
Hotspot															

Ant.4	DSI5	QPSK	Front Side	10	20525	836.5	1	Low	-0.18	0.103	21.98	23.50	1.419	0.146	/
	DSI5		Back Side	10	20525	836.5	1	Low	-0.03	0.249	21.98	23.50	1.419	0.353	28#
	DSI5		Left Edge	10	20525	836.5	1	Low	0.16	0.052	21.98	23.50	1.419	0.074	/
	DSI5		Top Edge	10	20525	836.5	1	Low	0.09	0.182	21.98	23.50	1.419	0.258	/
	DSI5		Front Side	10	20525	836.5	25	High	-0.19	0.095	21.87	23.50	1.455	0.138	/
	DSI5		Back Side	10	20525	836.5	25	High	0.02	0.214	21.87	23.50	1.455	0.311	/
	DSI5		Left Edge	10	20525	836.5	25	High	-0.01	0.048	21.87	23.50	1.455	0.070	/
	DSI5		Top Edge	10	20525	836.5	25	High	-0.08	0.176	21.87	23.50	1.455	0.256	/
Ant.1	DSI5	QPSK	Front Side	10	20525	836.5	1	High	-0.15	0.099	22.78	24.00	1.324	0.131	/
	DSI5		Back Side	10	20525	836.5	1	High	0.02	0.210	22.78	24.00	1.324	0.278	/
	DSI5		Left Edge	10	20525	836.5	1	High	-0.10	0.049	22.78	24.00	1.324	0.065	/
	DSI5		Right Edge	10	20525	836.5	1	High	-0.11	0.059	22.78	24.00	1.324	0.078	/
	DSI5		Bottom Edge	10	20525	836.5	1	High	-0.07	0.177	22.78	24.00	1.324	0.234	/
	DSI5		Front Side	10	20600	844	25	Low	0.09	0.097	22.78	24.00	1.324	0.128	/
	DSI5		Back Side	10	20600	844	25	Low	-0.10	0.201	22.78	24.00	1.324	0.266	/
	DSI5		Left Edge	10	20600	844	25	Low	-0.17	0.044	22.78	24.00	1.324	0.058	/
	DSI5		Right Edge	10	20600	844	25	Low	0.02	0.051	22.78	24.00	1.324	0.068	/
	DSI5		Bottom Edge	10	20600	844	25	Low	0.19	0.168	22.78	24.00	1.324	0.222	/
Body (Sensor-1)															
Ant.4	DSI4	QPSK	Front Side	9	20525	836.5	1	Mid	-0.03	0.328	23.88	25.50	1.452	0.476	/
	DSI4		Back Side	15	20525	836.5	1	Mid	0.09	0.200	23.88	25.50	1.452	0.290	/
	DSI4		Left Edge	9	20525	836.5	1	Mid	0.03	0.126	23.88	25.50	1.452	0.183	/
	DSI4		Top Edge	15	20525	836.5	1	Mid	0.03	0.103	23.88	25.50	1.452	0.150	/
	DSI4		Front Side	9	20450	829	25	Low	0.09	0.263	23.00	24.50	1.413	0.372	/
	DSI4		Back Side	15	20450	829	25	Low	0.06	0.154	23.00	24.50	1.413	0.218	/
	DSI4		Left Edge	9	20450	829	25	Low	-0.04	0.098	23.00	24.50	1.413	0.138	/
	DSI4		Top Edge	15	20450	829	25	Low	0.00	0.081	23.00	24.50	1.413	0.114	/
Ant.1	DSI4	QPSK	Front Side	9	20525	836.5	1	Mid	-0.01	0.267	24.30	25.50	1.318	0.352	/
	DSI4		Back Side	15	20525	836.5	1	Mid	-0.01	0.165	24.30	25.50	1.318	0.217	/
	DSI4		Bottom Edge	15	20525	836.5	1	Mid	0.15	0.093	24.30	25.50	1.318	0.123	/
	DSI4		Front Side	9	20600	844	25	Low	-0.09	0.210	23.42	24.50	1.282	0.269	/
	DSI4		Back Side	15	20600	844	25	Low	0.02	0.129	23.42	24.50	1.282	0.165	/
	DSI4		Bottom Edge	15	20600	844	25	Low	-0.05	0.075	23.42	24.50	1.282	0.096	/

12.10 Worst Case of Band 5 SAR

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 Cheek	0	20525	836.5	1	Low	-0.06	0.642	21.05	22.50	1.396	0.896	141#
Head-Worce Case for Secondary supply															
Ant.4	DSI1	QPSK	Right Cheek	0	20525	836.5	1	Low	-0.07	0.662	21.05	22.50	1.396	0.924	142#
Head-Worce Case for Three supply															
Ant.4	DSI1	QPSK	Right Cheek	0	20525	836.5	1	Low	-0.01	0.670	21.05	22.50	1.396	0.935	143#

12.11 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	-0.05	0.398	17.07	18.00	1.239	0.493	/
	DSI1		Left Tilt	0	21100	2535	1	High	-0.12	0.578	17.07	18.00	1.239	0.716	/
	DSI1		Right Cheek	0	21100	2535	1	High	-0.11	0.543	17.07	18.00	1.239	0.673	/
	DSI1		Right Tilt	0	21100	2535	1	High	0.14	0.713	17.07	18.00	1.239	0.883	/
	DSI1		Left Cheek	0	21100	2535	50	Mid	0.02	0.468	17.04	18.00	1.247	0.584	/
	DSI1		Left Tilt	0	21100	2535	50	Mid	-0.13	0.572	17.04	18.00	1.247	0.713	/
	DSI1		Right Cheek	0	21100	2535	50	Mid	0.05	0.527	17.04	18.00	1.247	0.657	/
	DSI1		Right Tilt	0	21100	2535	50	Mid	0.14	0.782	17.04	18.00	1.247	0.975	/
	DSI1		Right Tilt	0	20850	2510	1	Mid	-0.04	0.850	16.99	18.00	1.262	1.073	29#
	DSI1		Right Tilt	0	21350	2560	1	Mid	-0.18	0.800	16.93	18.00	1.279	1.023	/
	DSI1		Right Tilt	0	20850	2510	50	Mid	-0.09	0.817	17.01	18.00	1.256	1.026	/
	DSI1		Right Tilt	0	21350	2560	50	Low	0.10	0.782	16.87	18.00	1.297	1.014	/
	DSI1		Right Tilt	0	21100	2535	100	Low	-0.01	0.779	17.04	18.00	1.247	0.971	/
Ant.3	DSI1	QPSK	Left Cheek	0	20850	2510	1	High	0.10	0.185	21.23	22.50	1.340	0.248	/
	DSI1		Left Tilt	0	20850	2510	1	High	-0.19	0.080	21.23	22.50	1.340	0.107	/
	DSI1		Right Cheek	0	20850	2510	1	High	0.14	0.370	21.23	22.50	1.340	0.496	/
	DSI1		Right Tilt	0	20850	2510	1	High	0.05	0.162	21.23	22.50	1.340	0.217	/
	DSI1		Left Cheek	0	21100	2535	50	Mid	-0.16	0.182	21.06	22.50	1.393	0.254	/
	DSI1		Left Tilt	0	21100	2535	50	Mid	0.18	0.075	21.06	22.50	1.393	0.104	/
	DSI1		Right Cheek	0	21100	2535	50	Mid	0.12	0.352	21.06	22.50	1.393	0.490	/
	DSI1		Right Tilt	0	21100	2535	50	Mid	-0.13	0.159	21.06	22.50	1.393	0.221	/
Ant.1	DSI1	QPSK	Left Cheek	0	21100	2535	1	High	-0.19	0.237	24.85	25.50	1.161	0.275	/
	DSI1		Left Tilt	0	21100	2535	1	High	-0.04	0.131	24.85	25.50	1.161	0.152	/
	DSI1		Right Cheek	0	21100	2535	1	High	0.10	0.159	24.85	25.50	1.161	0.185	/
	DSI1		Right Tilt	0	21100	2535	1	High	-0.19	0.062	24.85	25.50	1.161	0.072	/
	DSI1		Left Cheek	0	21100	2535	50	Low	0.06	0.190	23.79	24.50	1.178	0.224	/
	DSI1		Left Tilt	0	21100	2535	50	Low	0.19	0.100	23.79	24.50	1.178	0.118	/
	DSI1		Right Cheek	0	21100	2535	50	Low	-0.18	0.127	23.79	24.50	1.178	0.150	/
	DSI1		Right Tilt	0	21100	2535	50	Low	0.00	0.054	23.79	24.50	1.178	0.064	/
Head-CA															
Ant.4	DSI1	QPSK	Right Tilt	0	20850 +2104 8	2510 +2529.8	1+1	High +Low	-0.02	0.810	16.81	18.00	1.315	1.065	/
Body-worn															

Ant.4	DSI3	QPSK	Front Side	5	21100	2535	1	Mid	-0.14	0.192	15.04	16.00	1.247	0.239	/
	DSI3		Back Side	5	21100	2535	1	Mid	0.03	0.418	15.04	16.00	1.247	0.521	/
	DSI3		Front Side	5	21100	2535	50	Mid	-0.16	0.185	15.03	16.00	1.250	0.231	/
	DSI3		Back Side	5	21100	2535	50	Mid	-0.19	0.410	15.03	16.00	1.250	0.513	/
Ant.3	DSI3	QPSK	Front Side	5	21350	2560	1	Low	0.04	0.065	15.09	16.00	1.233	0.080	/
	DSI3		Back Side	5	21350	2560	1	Low	-0.08	0.408	15.09	16.00	1.233	0.503	/
	DSI3		Front Side	5	20850	2510	50	Low	-0.12	0.063	15.18	16.00	1.208	0.076	/
	DSI3		Back Side	5	20850	2510	50	Low	0.05	0.413	15.18	16.00	1.208	0.499	/
Ant.1	DSI2	QPSK	Front Side	5	21100	2535	1	High	0.01	0.575	18.93	20.00	1.279	0.735	/
	DSI2		Back Side	5	21100	2535	1	High	0.03	0.623	18.93	20.00	1.279	0.797	30#
	DSI2		Front Side	5	21350	2560	50	Mid	-0.14	0.487	18.87	20.00	1.297	0.632	/
	DSI2		Back Side	5	21350	2560	50	Mid	-0.18	0.582	18.87	20.00	1.297	0.755	/
Body-worn-CA															
Ant.1	DSI2	QPSK	Back Side	5	21100 +2129 8	2535 +2554.8	1+1	High +Low	-0.06	0.584	18.72	20.00	1.343	0.784	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	21100	2535	1	Mid	-0.15	0.117	16.33	17.50	1.309	0.153	/
	DSI5		Back Side	10	21100	2535	1	Mid	-0.09	0.212	16.33	17.50	1.309	0.278	/
	DSI5		Left Edge	10	21100	2535	1	Mid	-0.17	0.076	16.33	17.50	1.309	0.099	/
	DSI5		Top Edge	10	21100	2535	1	Mid	-0.03	0.321	16.33	17.50	1.309	0.420	31#
	DSI5		Front Side	10	21100	2535	50	Mid	-0.03	0.107	16.29	17.50	1.321	0.141	/
	DSI5		Back Side	10	21100	2535	50	Mid	0.19	0.218	16.29	17.50	1.321	0.288	/
	DSI5		Left Edge	10	21100	2535	50	Mid	-0.17	0.063	16.29	17.50	1.321	0.083	/
	DSI5		Top Edge	10	21100	2535	50	Mid	0.01	0.284	16.29	17.50	1.321	0.375	/
Ant.3	DSI5	QPSK	Front Side	10	21350	2560	1	Low	-0.07	0.029	15.09	16.00	1.233	0.036	/
	DSI5		Back Side	10	21350	2560	1	Low	0.14	0.151	15.09	16.00	1.233	0.186	/
	DSI5		Left Edge	10	21350	2560	1	Low	-0.16	0.195	15.09	16.00	1.233	0.240	/
	DSI5		Front Side	10	20850	2510	50	Low	0.08	0.027	15.18	16.00	1.208	0.033	/
	DSI5		Back Side	10	20850	2510	50	Low	0.13	0.145	15.18	16.00	1.208	0.175	/
	DSI5		Left Edge	10	20850	2510	50	Low	-0.05	0.191	15.18	16.00	1.208	0.231	/
Ant.1	DSI3	QPSK	Front Side	10	21100	2535	1	High	0.00	0.217	18.93	20.00	1.279	0.278	/
	DSI3		Back Side	10	21100	2535	1	High	-0.05	0.199	18.93	20.00	1.279	0.255	/
	DSI3		Left Edge	10	21100	2535	1	High	-0.03	0.055	18.93	20.00	1.279	0.070	/
	DSI3		Right Edge	10	21100	2535	1	High	0.01	0.038	18.93	20.00	1.279	0.049	/
	DSI3		Bottom Edge	10	21100	2535	1	High	0.04	0.302	18.93	20.00	1.279	0.386	/
	DSI3		Front Side	10	21350	2560	50	Mid	0.08	0.165	18.87	20.00	1.297	0.214	/
	DSI3		Back Side	10	21350	2560	50	Mid	0.00	0.137	18.87	20.00	1.297	0.178	/
	DSI3		Left Edge	10	21350	2560	50	Mid	0.06	0.031	18.87	20.00	1.297	0.040	/
	DSI3		Right Edge	10	21350	2560	50	Mid	0.15	0.049	18.87	20.00	1.297	0.064	/

	DSI3		Bottom Edge	10	21350	2560	50	Mid	-0.12	0.231	18.87	20.00	1.297	0.300	/
Hotspot-CA															
Ant.4	DSI5	QPSK	Top Edge	10	21100 +2129 8	2535 +2554.8	1+1	High +Low	0.03	0.306	16.15	17.50	1.365	0.418	/
Body (Sensor-1)															
Ant.4	DSI4	QPSK	Front Side	9	21100	2535	1	Low	0.15	0.744	23.75	25.00	1.334	0.992	/
	DSI4		Back Side	15	21100	2535	1	Low	0.08	0.591	23.75	25.00	1.334	0.788	/
	DSI4		Left Edge	9	21100	2535	1	Low	0.03	0.378	23.75	25.00	1.334	0.504	/
	DSI4		Top Edge	15	21100	2535	1	Low	0.13	0.794	23.75	25.00	1.334	1.059	/
	DSI4		Front Side	9	20850	2510	50	High	-0.05	0.654	23.28	24.50	1.324	0.866	/
	DSI4		Back Side	15	20850	2510	50	High	-0.10	0.510	23.28	24.50	1.324	0.675	/
	DSI4		Left Edge	9	20850	2510	50	High	0.00	0.308	23.28	24.50	1.324	0.408	/
	DSI4		Top Edge	15	20850	2510	50	High	0.03	0.675	23.28	24.50	1.324	0.894	/
	DSI4		Front Side	9	20850	2510	1	Low	0.02	0.751	23.75	25.00	1.334	1.002	/
	DSI4		Front Side	9	21350	2560	1	High	-0.04	0.748	23.68	25.00	1.355	1.014	/
	DSI4		Front Side	9	21100	2535	50	Low	0.01	0.583	23.25	25.00	1.496	0.872	/
	DSI4		Front Side	9	21350	2560	50	Low	-0.03	0.580	23.13	25.00	1.538	0.892	/
	DSI4		Front Side	9	20850	2510	100	Low	0.12	0.563	23.23	24.50	1.340	0.754	/
	DSI4		Top Edge	15	20850	2510	1	Low	0.11	0.810	23.75	25.00	1.334	1.081	/
	DSI4		Top Edge	15	21350	2560	1	High	0.03	0.804	23.68	25.00	1.355	1.089	/
	DSI4		Top Edge	15	21100	2535	50	Low	0.08	0.632	23.25	25.00	1.496	0.945	/
	DSI4		Top Edge	15	21350	2560	50	Low	0.00	0.621	23.13	25.00	1.538	0.955	/
	DSI4		Top Edge	15	20850	2510	100	Low	0.02	0.606	23.23	24.50	1.340	0.812	/
Ant.1	DSI4	QPSK	Front Side	9	21100	2535	1	High	0.05	0.829	24.85	25.50	1.161	0.962	/
	DSI4		Back Side	15	21100	2535	1	High	-0.11	0.363	24.85	25.50	1.161	0.421	/
	DSI4		Bottom Edge	15	21100	2535	1	High	-0.11	0.503	24.85	25.50	1.161	0.584	/
	DSI4		Front Side	9	21100	2535	50	Low	-0.01	0.652	23.79	24.50	1.178	0.768	/
	DSI4		Back Side	15	21100	2535	50	Low	-0.03	0.285	23.79	24.50	1.178	0.336	/
	DSI4		Bottom Edge	15	21100	2535	50	Low	0.05	0.403	23.79	24.50	1.178	0.475	/
	DSI4		Front Side	9	20850	2510	1	High	0.01	0.937	24.83	25.50	1.167	1.093	/
	DSI4		Front Side	9	21350	2560	1	Low	-0.11	0.767	24.73	25.50	1.194	0.916	/
	DSI4		Front Side	9	21100	2535	100	Low	0.01	0.681	23.82	24.50	1.169	0.796	/

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	Back Side	0	21100	2535	1	Mid	-0.04	0.348	15.04	16.00	1.247	0.434	/
	DSI3		Top Edge	0	21100	2535	1	Mid	0.00	0.858	15.04	16.00	1.247	1.070	32#
	DSI3		Back Side	0	21100	2535	50	Mid	0.11	0.352	15.03	16.00	1.250	0.440	/
	DSI3		Top Edge	0	21100	2535	50	Mid	0.05	0.851	15.03	16.00	1.250	1.064	/
Ant.1	DSI2	QPSK	Bottom Edge	0	21100	2535	1	High	-0.02	0.827	18.93	20.00	1.279	1.058	/
	DSI2		Bottom Edge	0	21350	2560	50	Mid	0.03	0.805	18.87	20.00	1.297	1.044	/
Specific-CA															
Ant.4	DSI3	QPSK	Top Edge	0	21100 +21298	2535 +2554.8	1+1	High +Low	-0.09	0.824	14.93	16.00	1.279	1.054	/

12.12 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	23095	707.5	1	Mid	0.14	0.490	23.95	25.50	1.429	0.700	/
	DSI1		Left Tilt	0	23095	707.5	1	Mid	-0.04	0.438	23.95	25.50	1.429	0.626	/
	DSI1		Right Cheek	0	23095	707.5	1	Mid	-0.06	0.650	23.95	25.50	1.429	0.929	33#
	DSI1		Right Tilt	0	23095	707.5	1	Mid	0.11	0.554	23.95	25.50	1.429	0.792	/
	DSI1		Left Cheek	0	23095	707.5	25	Low	0.16	0.388	22.94	24.50	1.432	0.556	/
	DSI1		Left Tilt	0	23095	707.5	25	Low	0.07	0.345	22.94	24.50	1.432	0.494	/
	DSI1		Right Cheek	0	23095	707.5	25	Low	0.07	0.513	22.94	24.50	1.432	0.735	/
	DSI1		Right Tilt	0	23095	707.5	25	Low	-0.06	0.437	22.94	24.50	1.432	0.626	/
	DSI1		Right Cheek	0	23060	704	1	Mid	-0.01	0.512	23.90	25.50	1.445	0.740	/
	DSI1		Right Cheek	0	23130	711	1	Mid	0.05	0.552	23.90	25.50	1.445	0.798	/
	DSI1		Right Cheek	0	23060	704	25	Low	0.13	0.486	22.89	24.50	1.449	0.704	/
	DSI1		Right Cheek	0	23130	711	25	High	0.15	0.449	22.93	24.50	1.435	0.644	/
	DSI1		Right Cheek	0	23095	707.5	50	Low	0.17	0.578	22.89	24.50	1.449	0.838	/
Ant.1	DSI1	QPSK	Left Cheek	0	23095	707.5	1	Mid	0.04	0.086	24.26	25.50	1.330	0.114	/
	DSI1		Left Tilt	0	23095	707.5	1	Mid	-0.18	0.047	24.26	25.50	1.330	0.063	/
	DSI1		Right Cheek	0	23095	707.5	1	Mid	0.19	0.091	24.26	25.50	1.330	0.121	/
	DSI1		Right Tilt	0	23095	707.5	1	Mid	0.14	0.059	24.26	25.50	1.330	0.078	/
	DSI1		Left Cheek	0	23095	707.5	25	Mid	-0.03	0.072	23.23	24.50	1.340	0.096	/
	DSI1		Left Tilt	0	23095	707.5	25	Mid	0.05	0.001	23.23	24.50	1.340	0.001	/
	DSI1		Right Cheek	0	23095	707.5	25	Mid	-0.19	0.079	23.23	24.50	1.340	0.106	/
	DSI1		Right Tilt	0	23095	707.5	25	Mid	-0.05	0.051	23.23	24.50	1.340	0.068	/
Body-worn															
Ant.4	DSI3	QPSK	Front Side	5	23095	707.5	1	Mid	-0.02	0.185	23.95	25.50	1.429	0.264	/
	DSI3		Back Side	5	23095	707.5	1	Mid	-0.05	0.520	23.95	25.50	1.429	0.743	34#
	DSI3		Front Side	5	23095	707.5	25	Low	0.08	0.103	22.94	24.50	1.432	0.147	/
	DSI3		Back Side	5	23095	707.5	25	Low	-0.05	0.449	22.94	24.50	1.432	0.643	/
Ant.1	DSI2	QPSK	Front Side	5	23095	707.5	1	Mid	-0.06	0.168	24.26	25.50	1.330	0.223	/
	DSI2		Back Side	5	23095	707.5	1	Mid	0.05	0.300	24.26	25.50	1.330	0.399	/
	DSI2		Front Side	5	23095	707.5	25	Mid	0.06	0.147	23.23	24.50	1.340	0.197	/
	DSI2		Back Side	5	23095	707.5	25	Mid	-0.05	0.241	23.23	24.50	1.340	0.323	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	23095	707.5	1	Mid	-0.10	0.100	23.95	25.50	1.429	0.143	/
	DSI5		Back Side	10	23095	707.5	1	Mid	0.01	0.183	23.95	25.50	1.429	0.262	35#
	DSI5		Left Edge	10	23095	707.5	1	Mid	0.07	0.103	23.95	25.50	1.429	0.147	/
	DSI5		Top Edge	10	23095	707.5	1	Mid	0.09	0.103	23.95	25.50	1.429	0.147	/
	DSI5		Front Side	10	23095	707.5	25	Low	0.16	0.078	22.94	24.50	1.432	0.112	/

	DSI5		Back Side	10	23095	707.5	25	Low	0.05	0.148	22.94	24.50	1.432	0.212	/
	DSI5		Left Edge	10	23095	707.5	25	Low	0.11	0.078	22.94	24.50	1.432	0.112	/
	DSI5		Top Edge	10	23095	707.5	25	Low	-0.18	0.082	22.94	24.50	1.432	0.117	/
Ant.1	DSI5	QPSK	Front Side	10	23095	707.5	1	Mid	0.08	0.090	24.26	25.50	1.330	0.120	/
	DSI5		Back Side	10	23095	707.5	1	Mid	0.05	0.130	24.26	25.50	1.330	0.173	/
	DSI5		Left Edge	10	23095	707.5	1	Mid	-0.10	0.090	24.26	25.50	1.330	0.120	/
	DSI5		Right Edge	10	23095	707.5	1	Mid	0.05	0.120	24.26	25.50	1.330	0.160	/
	DSI5		Bottom Edge	10	23095	707.5	1	Mid	0.18	0.115	24.26	25.50	1.330	0.153	/
	DSI5		Front Side	10	23095	707.5	25	Mid	0.12	0.075	23.23	24.50	1.340	0.101	/
	DSI5		Back Side	10	23095	707.5	25	Mid	-0.07	0.107	23.23	24.50	1.340	0.143	/
	DSI5		Left Edge	10	23095	707.5	25	Mid	0.01	0.070	23.23	24.50	1.340	0.094	/
	DSI5		Right Edge	10	23095	707.5	25	Mid	0.12	0.093	23.23	24.50	1.340	0.125	/
	DSI5		Bottom Edge	10	23095	707.5	25	Mid	0.10	0.093	23.23	24.50	1.340	0.125	/

12.13 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	Low	0.13	0.622	23.80	25.00	1.318	0.820	/
	DSI1		Left Tilt	0	23230	782	1	Low	0.08	0.546	23.80	25.00	1.318	0.720	/
	DSI1		Right Cheek	0	23230	782	1	Low	-0.06	0.796	23.80	25.00	1.318	1.049	36#
	DSI1		Right Tilt	0	23230	782	1	Low	-0.03	0.701	23.80	25.00	1.318	0.924	/
	DSI1		Left Cheek	0	23230	782	25	High	0.05	0.500	22.92	24.50	1.439	0.720	/
	DSI1		Left Tilt	0	23230	782	25	High	-0.19	0.438	22.92	24.50	1.439	0.630	/
	DSI1		Right Cheek	0	23230	782	25	High	-0.13	0.640	22.92	24.50	1.439	0.921	/
	DSI1		Right Tilt	0	23230	782	25	High	-0.16	0.570	22.92	24.50	1.439	0.820	/
	DSI1		Left Cheek	0	23230	782	50	Low	0.03	0.526	22.83	24.50	1.469	0.773	/
	DSI1		Right Cheek	0	23230	782	50	Low	0.11	0.565	22.83	24.50	1.469	0.830	/
	DSI1		Right Tilt	0	23230	782	50	Low	0.05	0.532	22.83	24.50	1.469	0.782	/
Ant.1	DSI1	QPSK	Left Cheek	0	23230	782	1	Mid	-0.05	0.107	24.28	25.50	1.324	0.142	/
	DSI1		Left Tilt	0	23230	782	1	Mid	0.13	0.059	24.28	25.50	1.324	0.078	/
	DSI1		Right Cheek	0	23230	782	1	Mid	0.17	0.120	24.28	25.50	1.324	0.159	/
	DSI1		Right Tilt	0	23230	782	1	Mid	-0.03	0.066	24.28	25.50	1.324	0.087	/
	DSI1		Left Cheek	0	23230	782	25	Mid	0.00	0.085	23.29	24.50	1.321	0.112	/
	DSI1		Left Tilt	0	23230	782	25	Mid	0.18	0.047	23.29	24.50	1.321	0.062	/
	DSI1		Right Cheek	0	23230	782	25	Mid	-0.08	0.092	23.29	24.50	1.321	0.122	/
	DSI1		Right Tilt	0	23230	782	25	Mid	-0.02	0.054	23.29	24.50	1.321	0.071	/
Body-worn															
Ant.4	DSI3	QPSK	Front Side	5	23230	782	1	Mid	0.10	0.317	24.13	25.50	1.371	0.435	/
	DSI3		Back Side	5	23230	782	1	Mid	-0.01	0.750	24.13	25.50	1.371	1.028	37#
	DSI3		Front Side	5	23230	782	25	Mid	-0.09	0.238	23.14	24.50	1.368	0.326	/
	DSI3		Back Side	5	23230	782	25	Mid	0.07	0.608	23.14	24.50	1.368	0.832	/
	DSI3		Back Side	5	23230	782	50	Mid	0.03	0.586	23.05	24.50	1.396	0.818	/
Ant.1	DSI2	QPSK	Front Side	5	23230	782	1	Mid	0.00	0.277	24.28	25.50	1.324	0.367	/
	DSI2		Back Side	5	23230	782	1	Mid	-0.09	0.473	24.28	25.50	1.324	0.626	/
	DSI2		Front Side	5	23230	782	25	Mid	-0.04	0.230	23.29	24.50	1.321	0.304	/
	DSI2		Back Side	5	23230	782	25	Mid	0.08	0.391	23.29	24.50	1.321	0.517	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	23230	782	1	Low	-0.05	0.120	23.80	25.00	1.318	0.158	/
	DSI5		Back Side	10	23230	782	1	Low	-0.03	0.231	23.80	25.00	1.318	0.304	38#
	DSI5		Left Edge	10	23230	782	1	Low	0.15	0.081	23.80	25.00	1.318	0.107	/
	DSI5		Top Edge	10	23230	782	1	Low	-0.04	0.133	23.80	25.00	1.318	0.175	/
	DSI5		Front Side	10	23230	782	25	High	-0.11	0.097	22.92	24.50	1.439	0.140	/
	DSI5		Back Side	10	23230	782	25	High	0.03	0.168	22.92	24.50	1.439	0.242	/

	DSI5		Left Edge	10	23230	782	25	High	0.09	0.060	22.92	24.50	1.439	0.086	/
	DSI5		Top Edge	10	23230	782	25	High	0.08	0.103	22.92	24.50	1.439	0.148	/
Ant.1	DSI5	QPSK	Front Side	10	23230	782	1	Mid	-0.04	0.104	24.28	25.50	1.324	0.138	/
	DSI5		Back Side	10	23230	782	1	Mid	0.00	0.147	24.28	25.50	1.324	0.195	/
	DSI5		Left Edge	10	23230	782	1	Mid	-0.12	0.062	24.28	25.50	1.324	0.082	/
	DSI5		Right Edge	10	23230	782	1	Mid	-0.12	0.100	24.28	25.50	1.324	0.132	/
	DSI5		Bottom Edge	10	23230	782	1	Mid	-0.16	0.128	24.28	25.50	1.324	0.169	/
	DSI5		Front Side	10	23230	782	25	Mid	0.05	0.082	23.29	24.50	1.321	0.108	/
	DSI5		Back Side	10	23230	782	25	Mid	0.18	0.120	23.29	24.50	1.321	0.159	/
	DSI5		Left Edge	10	23230	782	25	Mid	-0.04	0.048	23.29	24.50	1.321	0.063	/
	DSI5		Right Edge	10	23230	782	25	Mid	0.09	0.077	23.29	24.50	1.321	0.102	/
	DSI5		Bottom Edge	10	23230	782	25	Mid	0.10	0.102	23.29	24.50	1.321	0.135	/

12.14 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	0.03	0.501	24.02	25.50	1.406	0.704	/
	DSI1		Left Tilt	0	23790	710	1	Mid	0.09	0.456	24.02	25.50	1.406	0.641	/
	DSI1		Right Cheek	0	23790	710	1	Mid	-0.04	0.668	24.02	25.50	1.406	0.939	39#
	DSI1		Right Tilt	0	23790	710	1	Mid	0.19	0.558	24.02	25.50	1.406	0.785	/
	DSI1		Left Cheek	0	23790	710	25	Mid	0.16	0.399	22.93	24.50	1.435	0.573	/
	DSI1		Left Tilt	0	23790	710	25	Mid	-0.13	0.364	22.93	24.50	1.435	0.522	/
	DSI1		Right Cheek	0	23790	710	25	Mid	0.16	0.568	22.93	24.50	1.435	0.815	/
	DSI1		Right Tilt	0	23790	710	25	Mid	-0.15	0.464	22.93	24.50	1.435	0.666	/
	DSI1		Right Cheek	0	23780	709	1	Mid	-0.04	0.601	24.01	25.50	1.409	0.847	/
	DSI1		Right Cheek	0	23800	711	1	High	0.19	0.611	23.96	25.50	1.426	0.871	/
	DSI1		Right Cheek	0	23780	709	25	Mid	-0.10	0.512	22.92	24.50	1.439	0.737	/
	DSI1		Right Cheek	0	23800	711	25	High	-0.01	0.553	22.88	24.50	1.452	0.803	/
	DSI1		Right Cheek	0	23790	710	50	Low	0.01	0.632	22.92	24.50	1.439	0.909	/
	Ant.1		DSI1	QPSK	Left Cheek	0	23780	709	1	High	-0.03	0.083	24.37	25.50	1.297
DSI1		Left Tilt	0		23780	709	1	High	-0.02	0.045	24.37	25.50	1.297	0.058	/
DSI1		Right Cheek	0		23780	709	1	High	-0.15	0.097	24.37	25.50	1.297	0.126	/
DSI1		Right Tilt	0		23780	709	1	High	0.18	0.060	24.37	25.50	1.297	0.078	/
DSI1		Left Cheek	0		23780	709	25	Low	0.01	0.068	23.25	24.50	1.334	0.091	/
DSI1		Left Tilt	0		23780	709	25	Low	0.09	0.028	23.25	24.50	1.334	0.037	/
DSI1		Right Cheek	0		23780	709	25	Low	0.18	0.077	23.25	24.50	1.334	0.103	/
DSI1		Right Tilt	0		23780	709	25	Low	-0.04	0.047	23.25	24.50	1.334	0.063	/
Body-worn															
Ant.4	DSI3	QPSK	Front Side	5	23790	710	1	Mid	-0.06	0.193	24.02	25.50	1.406	0.271	/
	DSI3		Back Side	5	23790	710	1	Mid	-0.02	0.526	24.02	25.50	1.406	0.740	40#
	DSI3		Front Side	5	23790	710	25	Mid	0.15	0.154	22.93	24.50	1.435	0.221	/
	DSI3		Back Side	5	23790	710	25	Mid	-0.15	0.411	22.93	24.50	1.435	0.590	/
Ant.1	DSI2	QPSK	Front Side	5	23780	709	1	High	0.19	0.198	24.37	25.50	1.297	0.257	/
	DSI2		Back Side	5	23780	709	1	High	-0.16	0.351	24.37	25.50	1.297	0.455	/
	DSI2		Front Side	5	23780	709	25	Low	-0.01	0.162	23.25	24.50	1.334	0.216	/
	DSI2		Back Side	5	23780	709	25	Low	0.03	0.283	23.25	24.50	1.334	0.378	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	23790	710	1	Mid	0.14	0.101	24.02	25.50	1.406	0.142	/
	DSI5		Back Side	10	23790	710	1	Mid	0.01	0.181	24.02	25.50	1.406	0.254	41#
	DSI5		Left Edge	10	23790	710	1	Mid	0.10	0.109	24.02	25.50	1.406	0.153	/
	DSI5		Top Edge	10	23790	710	1	Mid	0.16	0.090	24.02	25.50	1.406	0.127	/
	DSI5		Front Side	10	23790	710	25	Mid	0.10	0.080	22.93	24.50	1.435	0.115	/

	DSI5		Back Side	10	23790	710	25	Mid	0.00	0.155	22.93	24.50	1.435	0.222	/
	DSI5		Left Edge	10	23790	710	25	Mid	-0.07	0.085	22.93	24.50	1.435	0.122	/
	DSI5		Top Edge	10	23790	710	25	Mid	0.02	0.071	22.93	24.50	1.435	0.102	/
Ant.1	DSI5	QPSK	Front Side	10	23780	709	1	High	0.09	0.094	24.37	24.37	1.000	0.094	/
	DSI5		Back Side	10	23780	709	1	High	0.15	0.131	24.37	24.37	1.000	0.131	/
	DSI5		Left Edge	10	23780	709	1	High	0.01	0.095	24.37	24.37	1.000	0.095	/
	DSI5		Right Edge	10	23780	709	1	High	0.14	0.125	24.37	24.37	1.000	0.125	/
	DSI5		Bottom Edge	10	23780	709	1	High	-0.02	0.101	24.37	24.37	1.000	0.101	/
	DSI5		Front Side	10	23780	709	25	Low	0.09	0.076	23.25	24.50	1.334	0.101	/
	DSI5		Back Side	10	23780	709	25	Low	0.16	0.106	23.25	24.50	1.334	0.141	/
	DSI5		Left Edge	10	23780	709	25	Low	0.10	0.074	23.25	24.50	1.334	0.099	/
	DSI5		Right Edge	10	23780	709	25	Low	-0.12	0.097	23.25	24.50	1.334	0.129	/
	DSI5		Bottom Edge	10	23780	709	25	Low	0.02	0.083	23.25	24.50	1.334	0.111	/

12.15 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	0.07	0.543	21.86	23.00	1.300	0.706	/
	DSI1		Left Tilt	0	23925	822.5	1	High	0.08	0.472	21.86	23.00	1.300	0.614	/
	DSI1		Right Cheek	0	23925	822.5	1	High	0.01	0.704	21.86	23.00	1.300	0.915	42#
	DSI1		Right Tilt	0	23925	822.5	1	High	-0.02	0.546	21.86	23.00	1.300	0.710	/
	DSI1		Left Cheek	0	23925	822.5	36	High	0.02	0.568	21.79	23.00	1.321	0.750	/
	DSI1		Left Tilt	0	23925	822.5	36	High	-0.12	0.490	21.79	23.00	1.321	0.647	/
	DSI1		Right Cheek	0	23925	822.5	36	High	0.01	0.673	21.79	23.00	1.321	0.889	/
	DSI1		Right Tilt	0	23925	822.5	36	High	0.04	0.658	21.79	23.00	1.321	0.869	/
	DSI1		Right Cheek	0	23925	822.5	75	Low	-0.14	0.680	21.80	23.00	1.318	0.896	/
Ant.1	DSI1	QPSK	Left Cheek	0	23925	822.5	1	Mid	0.02	0.087	24.46	25.50	1.271	0.111	/
	DSI1		Left Tilt	0	23925	822.5	1	Mid	0.09	0.048	24.46	25.50	1.271	0.061	/
	DSI1		Right Cheek	0	23925	822.5	1	Mid	-0.05	0.094	24.46	25.50	1.271	0.119	/
	DSI1		Right Tilt	0	23925	822.5	1	Mid	0.13	0.051	24.46	25.50	1.271	0.065	/
	DSI1		Left Cheek	0	23925	822.5	36	Mid	0.10	0.069	23.41	24.50	1.285	0.089	/
	DSI1		Left Tilt	0	23925	822.5	36	Mid	0.02	0.003	23.41	24.50	1.285	0.004	/
	DSI1		Right Cheek	0	23925	822.5	36	Mid	-0.02	0.075	23.41	24.50	1.285	0.096	/
	DSI1		Right Tilt	0	23925	822.5	36	Mid	0.16	0.039	23.41	24.50	1.285	0.050	/
Body-worn															
Ant.4	DSI3	QPSK	Front Side	5	23925	822.5	1	High	0.10	0.200	21.86	23.00	1.300	0.260	/
	DSI3		Back Side	5	23925	822.5	1	High	-0.02	0.590	21.86	23.00	1.300	0.767	43#
	DSI3		Front Side	5	23925	822.5	36	High	0.10	0.208	21.79	23.00	1.321	0.275	/
	DSI3		Back Side	5	23925	822.5	36	High	-0.02	0.576	21.79	23.00	1.321	0.761	/
Ant.1	DSI2	QPSK	Front Side	5	23925	822.5	1	Mid	0.000	0.246	22.77	24.00	1.327	0.326	/
	DSI2		Back Side	5	23925	822.5	1	Mid	0.03	0.424	22.77	24.00	1.327	0.563	/
	DSI2		Front Side	5	23925	822.5	36	Mid	-0.18	0.251	22.73	24.00	1.340	0.336	/
	DSI2		Back Side	5	23925	822.5	36	Mid	0.07	0.414	22.73	24.00	1.340	0.555	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	23925	822.5	1	High	0.06	0.132	21.86	23.00	1.300	0.172	/
	DSI5		Back Side	10	23925	822.5	1	High	-0.03	0.172	21.86	23.00	1.300	0.224	44#
	DSI5		Left Edge	10	23925	822.5	1	High	-0.19	0.062	21.86	23.00	1.300	0.081	/
	DSI5		Top Edge	10	23925	822.5	1	High	0.04	0.103	21.86	23.00	1.300	0.134	/
	DSI5		Front Side	10	23925	822.5	36	High	0.18	0.129	21.79	23.00	1.321	0.170	/
	DSI5		Back Side	10	23925	822.5	36	High	-0.01	0.167	21.79	23.00	1.321	0.221	/
	DSI5		Left Edge	10	23925	822.5	36	High	-0.09	0.059	21.79	23.00	1.321	0.078	/
	DSI5		Top Edge	10	23925	822.5	36	High	-0.17	0.099	21.79	23.00	1.321	0.131	/
Ant.1	DSI5	QPSK	Front Side	10	23925	822.5	1	Mid	0.12	0.121	22.77	24.00	1.327	0.161	/

	DSI5		Back Side	10	23925	822.5	1	Mid	0.13	0.162	22.77	24.00	1.327	0.215	/
	DSI5		Left Edge	10	23925	822.5	1	Mid	0.03	0.052	22.77	24.00	1.327	0.069	/
	DSI5		Right Edge	10	23925	822.5	1	Mid	-0.01	0.092	22.77	24.00	1.327	0.122	/
	DSI5		Bottom Edge	10	23925	822.5	1	Mid	-0.01	0.116	22.77	24.00	1.327	0.154	/
	DSI5		Front Side	10	23925	822.5	36	Mid	-0.11	0.119	22.73	24.00	1.340	0.159	/
	DSI5		Back Side	10	23925	822.5	36	Mid	-0.18	0.152	22.73	24.00	1.340	0.204	/
	DSI5		Left Edge	10	23925	822.5	36	Mid	-0.16	0.049	22.73	24.00	1.340	0.066	/
	DSI5		Right Edge	10	23925	822.5	36	Mid	-0.10	0.082	22.73	24.00	1.340	0.110	/
	DSI5		Bottom Edge	10	23925	822.5	36	Mid	-0.03	0.103	22.73	24.00	1.340	0.138	/
Body (Sensor-1)															
Ant.4	DSI4	QPSK	Front Side	9	23925	822.5	1	Mid	-0.11	0.220	24.00	25.50	1.413	0.311	/
	DSI4		Back Side	15	23925	822.5	1	Mid	-0.05	0.129	24.00	25.50	1.413	0.182	/
	DSI4		Left Edge	9	23925	822.5	1	Mid	0.05	0.160	24.00	25.50	1.413	0.226	/
	DSI4		Top Edge	15	23925	822.5	1	Mid	-0.05	0.086	24.00	25.50	1.413	0.122	/
	DSI4		Front Side	9	23925	822.5	36	Mid	0.00	0.178	22.93	24.50	1.435	0.255	/
	DSI4		Back Side	15	23925	822.5	36	Mid	0.05	0.103	22.93	24.50	1.435	0.148	/
	DSI4		Left Edge	9	23925	822.5	36	Mid	-0.11	0.128	22.93	24.50	1.435	0.184	/
	DSI4		Top Edge	15	23925	822.5	36	Mid	-0.09	0.065	22.93	24.50	1.435	0.093	/
Ant.1	DSI4	QPSK	Front Side	9	23925	822.5	1	Mid	0.06	0.180	24.46	25.50	1.271	0.229	/
	DSI4		Back Side	15	23925	822.5	1	Mid	0.08	0.104	24.46	25.50	1.271	0.132	/
	DSI4		Bottom Edge	15	23925	822.5	1	Mid	-0.09	0.046	24.46	25.50	1.271	0.058	/
	DSI4		Front Side	9	23925	822.5	36	Mid	-0.11	0.142	23.41	24.50	1.285	0.182	/
	DSI4		Back Side	15	23925	822.5	36	Mid	-0.13	0.081	23.41	24.50	1.285	0.104	/
	DSI4		Bottom Edge	15	23925	822.5	36	Mid	0.02	0.036	23.41	24.50	1.285	0.046	/

12.16 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	Mid	0.11	0.635	21.59	23.00	1.384	0.879	/
	DSI1		Left Tilt	0	24075	837.5	1	Mid	0.13	0.546	21.59	23.00	1.384	0.756	/
	DSI1		Right Cheek	0	24075	837.5	1	Mid	0.13	0.762	21.59	23.00	1.384	1.055	45#
	DSI1		Right Tilt	0	24075	837.5	1	Mid	-0.06	0.677	21.59	23.00	1.384	0.937	/
	DSI1		Left Cheek	0	24075	837.5	36	Mid	0.04	0.625	21.62	23.00	1.374	0.859	/
	DSI1		Left Tilt	0	24075	837.5	36	Mid	0.17	0.548	21.62	23.00	1.374	0.753	/
	DSI1		Right Cheek	0	24075	837.5	36	Mid	-0.16	0.750	21.62	23.00	1.374	1.031	/
	DSI1		Right Tilt	0	24075	837.5	36	Mid	-0.09	0.653	21.62	23.00	1.374	0.897	/
	DSI1		Left Cheek	0	24075	837.5	75	Low	0.04	0.628	21.57	23.00	1.390	0.873	/
	DSI1		Right Cheek	0	24075	837.5	75	Low	-0.15	0.746	21.57	23.00	1.390	1.037	/
	DSI1		Right Tilt	0	24075	837.5	75	Low	-0.04	0.640	21.57	23.00	1.390	0.890	/
	Ant.1		DSI1	QPSK	Left Cheek	0	24075	837.5	1	Mid	0.00	0.111	24.32	25.50	1.312
DSI1		Left Tilt	0		24075	837.5	1	Mid	-0.17	0.053	24.32	25.50	1.312	0.070	/
DSI1		Right Cheek	0		24075	837.5	1	Mid	0.00	0.131	24.32	25.50	1.312	0.172	/
DSI1		Right Tilt	0		24075	837.5	1	Mid	-0.08	0.064	24.32	25.50	1.312	0.084	/
DSI1		Left Cheek	0		24075	837.5	36	Mid	0.09	0.091	23.39	24.50	1.291	0.117	/
DSI1		Left Tilt	0		24075	837.5	36	Mid	-0.10	0.039	23.39	24.50	1.291	0.050	/
DSI1		Right Cheek	0		24075	837.5	36	Mid	-0.10	0.109	23.39	24.50	1.291	0.141	/
DSI1		Right Tilt	0		24075	837.5	36	Mid	-0.18	0.049	23.39	24.50	1.291	0.063	/
Body-worn															
Ant.4	DSI3	QPSK	Front Side	5	24075	837.5	1	Low	0.13	0.279	21.89	23.50	1.449	0.404	/
	DSI3		Back Side	5	24075	837.5	1	Low	-0.04	0.594	21.89	23.50	1.449	0.861	46#
	DSI3		Front Side	5	24075	837.5	36	Mid	-0.19	0.280	21.79	23.50	1.483	0.415	/
	DSI3		Back Side	5	24075	837.5	36	Mid	-0.03	0.580	21.79	23.50	1.483	0.860	/
	DSI3		Back Side	5	24075	837.5	75	Low	-0.08	0.577	21.77	23.50	1.489	0.859	/
Ant.1	DSI2	QPSK	Front Side	5	24075	837.5	1	Low	0.02	0.284	22.71	24.00	1.346	0.382	/
	DSI2		Back Side	5	24075	837.5	1	Low	0.05	0.485	22.71	24.00	1.346	0.653	/
	DSI2		Front Side	5	24075	837.5	36	High	0.13	0.289	22.63	24.00	1.371	0.396	/
	DSI2		Back Side	5	24075	837.5	36	High	-0.09	0.488	22.63	24.00	1.371	0.669	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	24075	837.5	1	Low	0.00	0.123	21.89	23.50	1.449	0.178	/
	DSI5		Back Side	10	24075	837.5	1	Low	-0.01	0.235	21.89	23.50	1.449	0.341	47#
	DSI5		Left Edge	10	24075	837.5	1	Low	-0.09	0.072	21.89	23.50	1.449	0.104	/
	DSI5		Top Edge	10	24075	837.5	1	Low	0.16	0.095	21.89	23.50	1.449	0.138	/
	DSI5		Front Side	10	24075	837.5	36	Mid	0.07	0.113	21.79	23.50	1.483	0.168	/
	DSI5		Back Side	10	24075	837.5	36	Mid	-0.15	0.203	21.79	23.50	1.483	0.301	/

	DSI5		Left Edge	10	24075	837.5	36	Mid	-0.04	0.061	21.79	23.50	1.483	0.090	/
	DSI5		Top Edge	10	24075	837.5	36	Mid	-0.15	0.088	21.79	23.50	1.483	0.131	/
Ant.1	DSI5	QPSK	Front Side	10	24075	837.5	1	Mid	0.01	0.110	22.71	24.00	1.346	0.148	/
	DSI5		Back Side	10	24075	837.5	1	Mid	0.18	0.201	22.71	24.00	1.346	0.271	/
	DSI5		Left Edge	10	24075	837.5	1	Mid	0.15	0.061	22.71	24.00	1.346	0.082	/
	DSI5		Right Edge	10	24075	837.5	1	Mid	0.03	0.054	22.71	24.00	1.346	0.073	/
	DSI5		Bottom Edge	10	24075	837.5	1	Mid	-0.12	0.158	22.71	24.00	1.346	0.213	/
	DSI5		Front Side	10	24075	837.5	36	Mid	-0.15	0.105	22.63	24.00	1.371	0.144	/
	DSI5		Back Side	10	24075	837.5	36	Mid	-0.13	0.194	22.63	24.00	1.371	0.266	/
	DSI5		Left Edge	10	24075	837.5	36	Mid	0.00	0.054	22.63	24.00	1.371	0.074	/
	DSI5		Right Edge	10	24075	837.5	36	Mid	0.02	0.052	22.63	24.00	1.371	0.071	/
	DSI5		Bottom Edge	10	24075	837.5	36	Mid	-0.07	0.153	22.63	24.00	1.371	0.210	/
	Body (Sensor-1)														
Ant.4	DSI4	QPSK	Front Side	9	24075	837.5	1	Mid	0.06	0.312	23.88	25.50	1.452	0.453	/
	DSI4		Back Side	15	24075	837.5	1	Mid	0.04	0.200	23.88	25.50	1.452	0.290	/
	DSI4		Left Edge	9	24075	837.5	1	Mid	0.08	0.176	23.88	25.50	1.452	0.256	/
	DSI4		Top Edge	15	24075	837.5	1	Mid	-0.04	0.096	23.88	25.50	1.452	0.139	/
	DSI4		Front Side	9	24075	837.5	1	Mid	-0.05	0.250	22.96	24.50	1.426	0.357	/
	DSI4		Back Side	15	24075	837.5	1	Mid	0.00	0.158	22.96	24.50	1.426	0.225	/
	DSI4		Left Edge	9	24075	837.5	1	Mid	0.02	0.139	22.96	24.50	1.426	0.198	/
	DSI4		Top Edge	15	24075	837.5	1	Mid	0.10	0.075	22.96	24.50	1.426	0.107	/
Ant.1	DSI4	QPSK	Front Side	9	24075	837.5	1	Mid	-0.04	0.238	24.32	25.50	1.312	0.312	/
	DSI4		Back Side	15	24075	837.5	1	Mid	-0.01	0.145	24.32	25.50	1.312	0.190	/
	DSI4		Bottom Edge	15	24075	837.5	1	Mid	0.09	0.072	24.32	25.50	1.312	0.094	/
	DSI4		Front Side	9	24075	837.5	36	Mid	0.05	0.186	23.39	24.50	1.291	0.240	/
	DSI4		Back Side	15	24075	837.5	36	Mid	0.03	0.113	23.39	24.50	1.291	0.146	/
	DSI4		Bottom Edge	15	24075	837.5	36	Mid	0.03	0.059	23.39	24.50	1.291	0.076	/

12.17 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	DS11	QPSK	Left Cheek	0	26865	831.5	1	Mid	0.10	0.568	21.41	23.00	1.442	0.819	/
	DS11		Left Tilt	0	26865	831.5	1	Mid	0.10	0.493	21.41	23.00	1.442	0.711	/
	DS11		Right Cheek	0	26865	831.5	1	Mid	0.06	0.705	21.41	23.00	1.442	1.017	48#
	DS11		Right Tilt	0	26865	831.5	1	Mid	-0.18	0.613	21.41	23.00	1.442	0.884	/
	DS11		Left Cheek	0	26965	841.5	36	Mid	-0.07	0.548	21.38	23.00	1.452	0.796	/
	DS11		Left Tilt	0	26965	841.5	36	Mid	-0.11	0.496	21.38	23.00	1.452	0.720	/
	DS11		Right Cheek	0	26965	841.5	36	Mid	-0.08	0.685	21.38	23.00	1.452	0.995	/
	DS11		Right Tilt	0	26965	841.5	36	Mid	0.17	0.513	21.38	23.00	1.452	0.745	/
	DS11		Left Cheek	0	26765	821.5	1	High	-0.04	0.554	21.40	23.00	1.445	0.801	/
	DS11		Left Cheek	0	26965	841.5	1	High	0.03	0.529	21.40	23.00	1.445	0.764	/
	DS11		Left Cheek	0	26865	831.5	75	Low	-0.01	0.518	21.40	23.00	1.445	0.749	/
	DS11		Right Cheek	0	26765	821.5	1	High	0.02	0.628	21.40	23.00	1.445	0.907	/
	DS11		Right Cheek	0	26965	841.5	1	High	0.10	0.633	21.40	23.00	1.445	0.915	/
	DS11		Right Cheek	0	26765	821.5	36	Mid	0.13	0.560	21.31	23.00	1.476	0.827	/
	DS11		Right Cheek	0	26865	831.5	36	High	-0.11	0.554	21.32	23.00	1.472	0.815	/
	DS11		Right Cheek	0	26865	831.5	75	Low	0.12	0.642	21.31	23.00	1.476	0.948	/
	DS11		Right Tilt	0	26765	821.5	1	High	0.02	0.582	21.40	23.00	1.445	0.841	/
	DS11		Right Tilt	0	26965	841.5	1	High	0.04	0.576	21.40	23.00	1.445	0.832	/
	DS11		Right Tilt	0	26865	831.5	75	Low	-0.05	0.563	21.40	23.00	1.445	0.814	/
	Ant.1		DS11	QPSK	Left Cheek	0	26865	831.5	1	Mid	-0.05	0.104	24.31	25.50	1.315
DS11		Left Tilt	0		26865	831.5	1	Mid	-0.02	0.056	24.31	25.50	1.315	0.074	/
DS11		Right Cheek	0		26865	831.5	1	Mid	-0.05	0.115	24.31	25.50	1.315	0.151	/
DS11		Right Tilt	0		26865	831.5	1	Mid	0.07	0.063	24.31	25.50	1.315	0.083	/
DS11		Left Cheek	0		26765	821.5	36	Mid	0.06	0.086	23.33	24.50	1.309	0.113	/
DS11		Left Tilt	0		26765	821.5	36	Mid	-0.19	0.045	23.33	24.50	1.309	0.059	/
DS11		Right Cheek	0		26765	821.5	36	Mid	-0.05	0.096	23.33	24.50	1.309	0.126	/
DS11		Right Tilt	0		26765	821.5	36	Mid	0.17	0.049	23.33	24.50	1.309	0.064	/
Body-worn															
Ant.4	DSI3	QPSK	Front Side	5	26965	841.5	1	High	0.00	0.403	21.99	23.50	1.416	0.571	/
	DSI3		Back Side	5	26965	841.5	1	High	-0.03	0.768	21.99	23.50	1.416	1.087	49#
	DSI3		Front Side	5	26965	841.5	36	Mid	0.11	0.413	21.89	23.50	1.449	0.598	/
	DSI3		Back Side	5	26965	841.5	36	Mid	0.03	0.730	21.89	23.50	1.449	1.058	/
	DSI3		Back Side	5	26765	821.5	1	High	0.10	0.712	21.85	23.50	1.462	1.041	/
	DSI3		Back Side	5	26865	831.5	1	Mid	0.08	0.692	21.79	23.50	1.483	1.026	/
	DSI3		Back Side	5	26765	821.5	36	High	-0.15	0.682	21.76	23.50	1.493	1.018	/

	DSI3		Back Side	5	26865	831.5	36	High	-0.17	0.659	21.78	23.50	1.486	0.979	/
	DSI3		Back Side	5	26865	831.5	75	Low	-0.05	0.680	21.79	23.50	1.483	1.008	/
Ant.1	DSI2	QPSK	Front Side	5	26965	841.5	1	Low	-0.08	0.352	22.74	24.00	1.337	0.471	/
	DSI2		Back Side	5	26965	841.5	1	Low	-0.02	0.586	22.74	24.00	1.337	0.783	/
	DSI2		Front Side	5	26865	831.5	36	High	0.11	0.380	22.69	24.00	1.352	0.514	/
	DSI2		Back Side	5	26865	831.5	36	High	-0.03	0.586	22.69	24.00	1.352	0.792	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	26965	841.5	1	High	-0.01	0.130	21.99	23.50	1.416	0.184	/
	DSI5		Back Side	10	26965	841.5	1	High	-0.13	0.237	21.99	23.50	1.416	0.336	/
	DSI5		Left Edge	10	26965	841.5	1	High	0.05	0.071	21.99	23.50	1.416	0.101	/
	DSI5		Top Edge	10	26965	841.5	1	High	0.06	0.116	21.99	23.50	1.416	0.164	/
	DSI5		Front Side	10	26965	841.5	36	Mid	-0.03	0.133	21.89	23.50	1.449	0.193	/
	DSI5		Back Side	10	26965	841.5	36	Mid	-0.01	0.252	21.89	23.50	1.449	0.365	50#
	DSI5		Left Edge	10	26965	841.5	36	Mid	0.00	0.060	21.89	23.50	1.449	0.087	/
Ant.1	DSI3	QPSK	Front Side	10	26965	841.5	1	Low	0.05	0.108	22.74	24.00	1.337	0.144	/
	DSI3		Back Side	10	26965	841.5	1	Low	0.03	0.159	22.74	24.00	1.337	0.213	/
	DSI3		Left Edge	10	26965	841.5	1	Low	0.02	0.038	22.74	24.00	1.337	0.051	/
	DSI3		Right Edge	10	26965	841.5	1	Low	0.14	0.055	22.74	24.00	1.337	0.074	/
	DSI3		Bottom Edge	10	26965	841.5	1	Low	0.07	0.095	22.74	24.00	1.337	0.127	/
	DSI3		Front Side	10	26865	831.5	36	High	0.10	0.114	22.69	24.00	1.352	0.154	/
	DSI3		Back Side	10	26865	831.5	36	High	0.17	0.161	22.69	24.00	1.352	0.218	/
	DSI3		Left Edge	10	26865	831.5	36	High	-0.03	0.038	22.69	24.00	1.352	0.051	/
	DSI3		Right Edge	10	26865	831.5	36	High	0.04	0.063	22.69	24.00	1.352	0.085	/
	DSI3		Bottom Edge	10	26865	831.5	36	High	-0.13	0.102	22.69	24.00	1.352	0.138	/
Body (Sensor-1)															
Ant.4	DSI4	QPSK	Front Side	9	26865	831.5	1	Low	0.00	0.324	23.86	25.50	1.459	0.473	/
	DSI4		Back Side	15	26865	831.5	1	Low	0.03	0.206	23.86	25.50	1.459	0.301	/
	DSI4		Left Edge	9	26865	831.5	1	Low	0.07	0.164	23.86	25.50	1.459	0.239	/
	DSI4		Top Edge	15	26865	831.5	1	Low	-0.07	0.102	23.86	25.50	1.459	0.149	/
	DSI4		Front Side	9	26765	821.5	36	Mid	-0.09	0.256	22.89	24.50	1.449	0.371	/
	DSI4		Back Side	15	26765	821.5	36	Mid	0.07	0.162	22.89	24.50	1.449	0.235	/
	DSI4		Left Edge	9	26765	821.5	36	Mid	0.04	0.129	22.89	24.50	1.449	0.187	/
Ant.1	DSI4	QPSK	Top Edge	15	26765	821.5	36	Mid	-0.01	0.083	22.89	24.50	1.449	0.120	/
	DSI4		Front Side	9	26865	831.5	1	Mid	-0.09	0.228	24.31	25.50	1.315	0.300	/
	DSI4		Back Side	15	26865	831.5	1	Mid	0.10	0.125	24.31	25.50	1.315	0.164	/
	DSI4		Bottom Edge	15	26865	831.5	1	Mid	0.05	0.066	24.31	25.50	1.315	0.087	/
	DSI4		Front Side	9	26765	821.5	36	Mid	0.08	0.179	23.33	24.50	1.309	0.234	/
	DSI4		Back Side	15	26765	821.5	36	Mid	0.01	0.096	23.33	24.50	1.309	0.126	/
	DSI4		Bottom Edge	15	26765	821.5	36	Mid	0.07	0.053	23.33	24.50	1.309	0.069	/

12.18 Worst Case of Band 26 SAR

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.4	DSI3	QPSK	Back Side	5	26965	841.5	1	High	-0.10	0.755	21.99	23.50	1.416	1.069	144#
Body-worn-Worce Case for Secondary supply															
Ant.4	DSI3	QPSK	Back Side	5	26965	841.5	1	High	-0.05	0.743	21.99	23.50	1.416	1.052	145#
Body-worn-Worce Case for Three supply															
Ant.4	DSI3	QPSK	Back Side	5	26965	841.5	1	High	-0.08	0.709	21.99	23.50	1.416	1.004	146#

12.19 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	132322	1745	1	High	-0.19	0.373	15.62	17.00	1.374	0.513	/
	DSI1		Left Tilt	0	132322	1745	1	High	0.03	0.482	15.62	17.00	1.374	0.662	/
	DSI1		Right Cheek	0	132322	1745	1	High	-0.10	0.474	15.62	17.00	1.374	0.651	/
	DSI1		Right Tilt	0	132322	1745	1	High	0.05	0.598	15.62	17.00	1.374	0.822	/
	DSI1		Left Cheek	0	132322	1745	50	High	0.00	0.371	15.59	17.00	1.384	0.513	/
	DSI1		Left Tilt	0	132322	1745	50	High	0.16	0.476	15.59	17.00	1.384	0.659	/
	DSI1		Right Cheek	0	132322	1745	50	High	-0.13	0.465	15.59	17.00	1.384	0.644	/
	DSI1		Right Tilt	0	132322	1745	50	High	0.07	0.591	15.59	17.00	1.384	0.818	/
	DSI1		Right Tilt	0	132072	1720	1	Low	-0.01	0.707	15.52	17.00	1.406	0.994	51#
	DSI1		Right Tilt	0	132572	1770	1	High	0.05	0.584	15.59	17.00	1.384	0.808	/
	DSI1		Right Tilt	0	132072	1720	50	Mid	0.15	0.558	15.54	17.00	1.400	0.781	/
	DSI1		Right Tilt	0	132572	1770	50	High	-0.17	0.585	15.54	17.00	1.400	0.819	/
	DSI1		Right Tilt	0	132572	1770	100	Low	0.18	0.598	15.62	17.00	1.374	0.822	/
Ant.3	DSI1	QPSK	Left Cheek	0	132322	1745	1	Mid	0.15	0.271	22.11	23.00	1.227	0.333	/
	DSI1		Left Tilt	0	132322	1745	1	Mid	0.10	0.122	22.11	23.00	1.227	0.150	/
	DSI1		Right Cheek	0	132322	1745	1	Mid	0.05	0.464	22.11	23.00	1.227	0.569	/
	DSI1		Right Tilt	0	132322	1745	1	Mid	-0.17	0.153	22.11	23.00	1.227	0.188	/
	DSI1		Left Cheek	0	132322	1745	50	High	0.03	0.252	22.10	23.00	1.230	0.310	/
	DSI1		Left Tilt	0	132322	1745	50	High	0.03	0.115	22.10	23.00	1.230	0.141	/
	DSI1		Right Cheek	0	132322	1745	50	High	0.02	0.451	22.10	23.00	1.230	0.555	/
	DSI1		Right Tilt	0	132322	1745	50	High	0.08	0.148	22.10	23.00	1.230	0.182	/
Ant.1	DSI1	QPSK	Left Cheek	0	132322	1745	1	High	0.15	0.103	24.51	25.50	1.256	0.129	/
	DSI1		Left Tilt	0	132322	1745	1	High	0.01	0.062	24.51	25.50	1.256	0.078	/

	DSI1		Right Cheek	0	132322	1745	1	High	0.06	0.110	24.51	25.50	1.256	0.138	/
	DSI1		Right Tilt	0	132322	1745	1	High	0.09	0.059	24.51	25.50	1.256	0.074	/
	DSI1		Left Cheek	0	132072	1720	50	Mid	-0.16	0.086	23.51	24.50	1.256	0.108	/
	DSI1		Left Tilt	0	132072	1720	50	Mid	-0.14	0.042	23.51	24.50	1.256	0.053	/
	DSI1		Right Cheek	0	132072	1720	50	Mid	-0.02	0.081	23.51	24.50	1.256	0.102	/
	DSI1		Right Tilt	0	132072	1720	50	Mid	0.12	0.053	23.51	24.50	1.256	0.067	/
Body-worn															
Ant.4	DSI3	QPSK	Front Side	5	132322	1745	1	High	-0.10	0.295	14.15	15.50	1.365	0.403	/
	DSI3		Back Side	5	132322	1745	1	High	0.01	0.471	14.15	15.50	1.365	0.643	/
	DSI3		Front Side	5	132322	1745	50	High	-0.01	0.283	14.09	15.50	1.384	0.392	/
	DSI3		Back Side	5	132322	1745	50	High	-0.05	0.467	14.09	15.50	1.384	0.646	/
Ant.3	DSI3	QPSK	Front Side	5	132322	1745	1	High	0.09	0.121	16.13	17.00	1.222	0.148	/
	DSI3		Back Side	5	132322	1745	1	High	-0.03	0.427	16.13	17.00	1.222	0.522	/
	DSI3		Front Side	5	132322	1745	50	Mid	0.17	0.118	16.08	17.00	1.236	0.146	/
	DSI3		Back Side	5	132322	1745	50	Mid	-0.10	0.421	16.08	17.00	1.236	0.520	/
Ant.1	DSI2	QPSK	Front Side	5	132322	1745	1	High	0.18	0.146	18.80	19.50	1.175	0.172	/
	DSI2		Back Side	5	132322	1745	1	High	0.03	0.573	18.80	19.50	1.175	0.673	52#
	DSI2		Front Side	5	132322	1745	50	High	-0.06	0.117	18.66	19.50	1.213	0.142	/
	DSI2		Back Side	5	132322	1745	50	High	0.03	0.453	18.66	19.50	1.213	0.549	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	132322	1745	1	High	0.05	0.104	14.15	15.50	1.365	0.142	/
	DSI5		Back Side	10	132322	1745	1	High	-0.07	0.198	14.15	15.50	1.365	0.270	/
	DSI5		Left Edge	10	132322	1745	1	High	0.15	0.082	14.15	15.50	1.365	0.112	/
	DSI5		Top Edge	10	132322	1745	1	High	-0.12	0.261	14.15	15.50	1.365	0.356	/
	DSI5		Front Side	10	132322	1745	50	High	-0.04	0.104	14.09	15.50	1.384	0.144	/
	DSI5		Back Side	10	132322	1745	50	High	-0.05	0.196	14.09	15.50	1.384	0.271	/
	DSI5		Left Edge	10	132322	1745	50	High	0.07	0.073	14.09	15.50	1.384	0.101	/
	DSI5		Top Edge	10	132322	1745	50	High	0.19	0.251	14.09	15.50	1.384	0.347	/
Ant.3	DSI5	QPSK	Front Side	10	132322	1745	1	High	0.16	0.058	16.13	17.00	1.222	0.071	/
	DSI5		Back Side	10	132322	1745	1	High	-0.06	0.207	16.13	17.00	1.222	0.253	/
	DSI5		Left Edge	10	132322	1745	1	High	-0.07	0.129	16.13	17.00	1.222	0.158	/
	DSI5		Front Side	10	132322	1745	50	Mid	0.05	0.056	16.08	17.00	1.236	0.069	/
	DSI5		Back Side	10	132322	1745	50	Mid	0.15	0.199	16.08	17.00	1.236	0.246	/
	DSI5		Left Edge	10	132322	1745	50	Mid	0.02	0.125	16.08	17.00	1.236	0.155	/
Ant.1	DSI5	QPSK	Front Side	10	132322	1745	1	High	-0.01	0.116	18.80	19.50	1.175	0.136	/
	DSI5		Back Side	10	132322	1745	1	High	-0.06	0.232	18.80	19.50	1.175	0.273	/
	DSI5		Left Edge	10	132322	1745	1	High	0.04	0.023	18.80	19.50	1.175	0.027	/
	DSI5		Right Edge	10	132322	1745	1	High	-0.07	0.032	18.80	19.50	1.175	0.038	/
	DSI5		Bottom Edge	10	132322	1745	1	High	0.00	0.420	18.80	19.50	1.175	0.494	53#
	DSI5		Front Side	10	132322	1745	50	High	0.16	0.119	18.66	19.50	1.213	0.144	/
	DSI5		Back Side	10	132322	1745	50	High	0.03	0.222	18.66	19.50	1.213	0.269	/
	DSI5		Left Edge	10	132322	1745	50	High	0.09	0.011	18.66	19.50	1.213	0.013	/
	DSI5		Right Edge	10	132322	1745	50	High	0.16	0.078	18.66	19.50	1.213	0.095	/

	DSI5		Bottom Edge	10	132322	1745	50	High	-0.07	0.401	18.66	19.50	1.213	0.486	/
Body (Sensor-1)															
Ant.4	DSI4	QPSK	Front Side	9	132322	1745	1	High	0.00	0.694	20.69	22.00	1.352	0.938	/
	DSI4		Back Side	15	132322	1745	1	High	-0.12	0.446	20.69	22.00	1.352	0.603	/
	DSI4		Left Edge	9	132322	1745	1	High	0.09	0.090	20.69	22.00	1.352	0.122	/
	DSI4		Top Edge	15	132322	1745	1	High	-0.08	0.563	20.69	22.00	1.352	0.761	/
	DSI4		Front Side	9	132322	1745	50	High	0.12	0.681	20.66	22.00	1.361	0.927	/
	DSI4		Back Side	15	132322	1745	50	High	-0.04	0.436	20.66	22.00	1.361	0.593	/
	DSI4		Left Edge	9	132322	1745	50	High	-0.05	0.082	20.66	22.00	1.361	0.112	/
	DSI4		Top Edge	15	132322	1745	50	High	-0.02	0.551	20.66	22.00	1.361	0.750	/
	DSI4		Front Side	9	132072	1720	1	High	-0.06	0.737	20.56	22.00	1.393	1.027	/
	DSI4		Front Side	9	132572	1770	1	Mid	0.06	0.596	20.66	22.00	1.361	0.811	/
	DSI4		Front Side	9	132072	1720	50	High	0.07	0.685	20.65	22.00	1.365	0.935	/
	DSI4		Front Side	9	132572	1770	50	High	0.07	0.540	20.62	22.00	1.374	0.742	/
	DSI4		Front Side	9	132572	1770	100	Low	0.01	0.562	20.61	22.00	1.377	0.774	/
	Ant.1		DSI4	QPSK	Front Side	9	132322	1745	1	High	-0.01	0.608	24.03	25.00	1.250
DSI4		Back Side	15		132322	1745	1	High	-0.01	0.602	24.03	25.00	1.250	0.753	/
DSI4		Bottom Edge	15		132322	1745	1	High	-0.12	0.815	24.03	25.00	1.250	1.019	/
DSI4		Front Side	9		132072	1720	50	Mid	0.01	0.532	23.53	24.50	1.250	0.665	/
DSI4		Back Side	15		132072	1720	50	Mid	0.06	0.528	23.53	24.50	1.250	0.660	/
DSI4		Bottom Edge	15		132072	1720	50	Mid	0.00	0.739	23.53	24.50	1.250	0.924	/
DSI4		Bottom Edge	15		132072	1720	1	Low	0.05	0.726	24.00	25.50	1.413	1.026	/
DSI4		Bottom Edge	15		132572	1770	1	Low	0.10	0.752	23.96	25.50	1.426	1.072	/
DSI4		Bottom Edge	15		132322	1745	50	Low	-0.11	0.650	23.45	24.50	1.274	0.828	/
DSI4		Bottom Edge	15		132572	1770	50	Low	0.04	0.648	23.39	24.50	1.291	0.837	/
DSI4		Bottom Edge	15		132072	1720	100	Low	-0.05	0.651	23.55	24.50	1.245	0.810	/

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	Back Side	0	132322	1745	1	High	-0.03	0.305	14.15	15.50	1.365	0.416	/
	DSI3		Top Edge	0	132322	1745	1	High	0.00	0.557	14.15	15.50	1.365	0.760	/
	DSI3		Back Side	0	132322	1745	50	High	0.11	0.302	14.09	15.50	1.384	0.418	/
	DSI3		Top Edge	0	132322	1745	50	High	-0.04	0.541	14.09	15.50	1.384	0.749	/
Ant.1	DSI2	QPSK	Bottom Edge	0	132322	1745	1	High	-0.02	1.030	18.80	19.50	1.175	1.210	54#
	DSI2		Bottom Edge	0	132322	1745	50	High	-0.08	0.985	18.66	19.50	1.213	1.195	/

12.20 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	DS11	QPSK	Left Cheek	0	133297	680.5	1	Mid	-0.01	0.381	24.05	25.50	1.396	0.532	/
	DS11		Left Tilt	0	133297	680.5	1	Mid	-0.09	0.362	24.05	25.50	1.396	0.505	/
	DS11		Right Cheek	0	133297	680.5	1	Mid	-0.04	0.525	24.05	25.50	1.396	0.733	55#
	DS11		Right Tilt	0	133297	680.5	1	Mid	-0.16	0.455	24.05	25.50	1.396	0.635	/
	DS11		Left Cheek	0	133222	673	50	High	0.08	0.300	23.12	24.50	1.374	0.412	/
	DS11		Left Tilt	0	133222	673	50	High	0.09	0.289	23.12	24.50	1.374	0.397	/
	DS11		Right Cheek	0	133222	673	50	High	0.15	0.407	23.12	24.50	1.374	0.559	/
	DS11		Right Tilt	0	133222	673	50	High	0.10	0.356	23.12	24.50	1.374	0.489	/
Ant.1	DS11	QPSK	Left Cheek	0	133222	673	1	High	0.08	0.090	24.39	25.50	1.291	0.116	/
	DS11		Left Tilt	0	133222	673	1	High	-0.12	0.048	24.39	25.50	1.291	0.062	/
	DS11		Right Cheek	0	133222	673	1	High	0.05	0.092	24.39	25.50	1.291	0.119	/
	DS11		Right Tilt	0	133222	673	1	High	0.19	0.049	24.39	25.50	1.291	0.063	/
	DS11		Left Cheek	0	133222	673	50	High	-0.17	0.070	23.36	24.50	1.300	0.091	/
	DS11		Left Tilt	0	133222	673	50	High	0.03	0.000	23.36	24.50	1.300	0.000	/
	DS11		Right Cheek	0	133222	673	50	High	-0.02	0.073	23.36	24.50	1.300	0.095	/
	DS11		Right Tilt	0	133222	673	50	High	-0.15	0.040	23.36	24.50	1.300	0.052	/
Body-worn															
Ant.4	DSI3	QPSK	Front Side	5	133297	680.5	1	Mid	-0.07	0.146	24.05	25.50	1.396	0.204	/
	DSI3		Back Side	5	133297	680.5	1	Mid	-0.08	0.429	24.05	25.50	1.396	0.599	56#
	DSI3		Front Side	5	133222	673	50	High	0.18	0.115	23.12	24.50	1.374	0.158	/
	DSI3		Back Side	5	133222	673	50	High	-0.09	0.328	23.12	24.50	1.374	0.451	/
Ant.1	DSI2	QPSK	Front Side	5	133297	680.5	1	High	0.02	0.141	24.39	25.50	1.291	0.182	/
	DSI2		Back Side	5	133297	680.5	1	High	-0.19	0.239	24.39	25.50	1.291	0.309	/
	DSI2		Front Side	5	133297	680.5	50	High	-0.14	0.106	23.36	24.50	1.300	0.138	/
	DSI2		Back Side	5	133297	680.5	50	High	0.01	0.187	23.36	24.50	1.300	0.243	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	133297	680.5	1	Mid	0.15	0.090	24.05	25.50	1.396	0.126	/
	DSI5		Back Side	10	133297	680.5	1	Mid	-0.11	0.165	24.05	25.50	1.396	0.230	57#
	DSI5		Left Edge	10	133297	680.5	1	Mid	-0.02	0.103	24.05	25.50	1.396	0.144	/
	DSI5		Top Edge	10	133297	680.5	1	Mid	0.09	0.081	24.05	25.50	1.396	0.113	/
	DSI5		Front Side	10	133297	680.5	50	High	-0.14	0.068	23.12	24.50	1.374	0.093	/
	DSI5		Back Side	10	133297	680.5	50	High	-0.14	0.127	23.12	24.50	1.374	0.174	/
	DSI5		Left Edge	10	133297	680.5	50	High	0.11	0.085	23.12	24.50	1.374	0.117	/
	DSI5		Top Edge	10	133297	680.5	50	High	0.02	0.052	23.12	24.50	1.374	0.071	/
Ant.1	DSI5	QPSK	Front Side	10	133297	680.5	1	High	0.03	0.094	24.39	25.50	1.291	0.121	/
	DSI5		Back Side	10	133297	680.5	1	High	0.09	0.133	24.39	25.50	1.291	0.172	/

DSI5	Left Edge	10	133297	680.5	1	High	0.11	0.144	24.39	25.50	1.291	0.186	/
DSI5	Right Edge	10	133297	680.5	1	High	-0.12	0.106	24.39	25.50	1.291	0.137	/
DSI5	Bottom Edge	10	133297	680.5	1	High	0.01	0.089	24.39	25.50	1.291	0.115	/
DSI5	Front Side	10	133297	680.5	50	High	-0.02	0.089	23.36	24.50	1.300	0.116	/
DSI5	Back Side	10	133297	680.5	50	High	-0.08	0.074	23.36	24.50	1.300	0.096	/
DSI5	Left Edge	10	133297	680.5	50	High	0.06	0.113	23.36	24.50	1.300	0.147	/
DSI5	Right Edge	10	133297	680.5	50	High	-0.07	0.099	23.36	24.50	1.300	0.129	/
DSI5	Bottom Edge	10	133297	680.5	50	High	-0.03	0.084	23.36	24.50	1.300	0.109	/

12.21 LTE Band 38 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant. 4	DSI1	QPSK	Left Cheek	0	38000	2595	1	High	0.17	0.481	19.58	21.00	1.387	0.667	/
	DSI1		Left Tilt	0	38000	2595	1	High	0.02	0.554	19.58	21.00	1.387	0.768	/
	DSI1		Right Cheek	0	38000	2595	1	High	-0.12	0.574	19.58	21.00	1.387	0.796	/
	DSI1		Right Tilt	0	38000	2595	1	High	-0.08	0.735	19.58	21.00	1.387	1.019	/
	DSI1		Left Cheek	0	38150	2610	50	Low	0.08	0.475	19.53	21.00	1.403	0.666	/
	DSI1		Left Tilt	0	38150	2610	50	Low	-0.11	0.551	19.53	21.00	1.403	0.773	/
	DSI1		Right Cheek	0	38150	2610	50	Low	0.06	0.569	19.53	21.00	1.403	0.798	/
	DSI1		Right Tilt	0	38150	2610	50	Low	-0.16	0.718	19.53	21.00	1.403	1.007	/
	DSI1		Right Tilt	0	37850	2580	1	High	0.06	0.743	19.57	21.00	1.390	1.033	58#
	DSI1		Right Tilt	0	38150	2610	1	High	-0.11	0.707	19.54	21.00	1.400	0.990	/
	DSI1		Right Tilt	0	37850	2580	50	Low	0.18	0.705	19.53	21.00	1.403	0.989	/
	DSI1		Right Tilt	0	38000	2595	50	Low	-0.13	0.701	19.52	21.00	1.406	0.986	/
	DSI1		Right Tilt	0	37850	2580	100	Low	-0.03	0.710	19.53	21.00	1.403	0.996	/
Ant. 3	DSI1	QPSK	Left Cheek	0	38000	2595	1	Mid	-0.10	0.151	21.84	23.50	1.466	0.221	/
	DSI1		Left Tilt	0	38000	2595	1	Mid	-0.17	0.039	21.84	23.50	1.466	0.057	/
	DSI1		Right Cheek	0	38000	2595	1	Mid	0.11	0.322	21.84	23.50	1.466	0.472	/
	DSI1		Right Tilt	0	38000	2595	1	Mid	0.08	0.057	21.84	23.50	1.466	0.084	/
	DSI1		Left Cheek	0	37850	2580	50	Low	0.02	0.151	21.96	23.50	1.426	0.215	/
	DSI1		Left Tilt	0	37850	2580	50	Low	-0.07	0.038	21.96	23.50	1.426	0.054	/
	DSI1		Right Cheek	0	37850	2580	50	Low	0.03	0.318	21.96	23.50	1.426	0.453	/
	DSI1		Right Tilt	0	37850	2580	50	Low	-0.04	0.055	21.96	23.50	1.426	0.078	/
Ant. 1	DSI1	QPSK	Left Cheek	0	37850	2580	1	Mid	-0.13	0.173	24.60	25.50	1.230	0.213	/
	DSI1		Left Tilt	0	37850	2580	1	Mid	-0.18	0.065	24.60	25.50	1.230	0.080	/
	DSI1		Right Cheek	0	37850	2580	1	Mid	-0.10	0.095	24.60	25.50	1.230	0.117	/
	DSI1		Right Tilt	0	37850	2580	1	Mid	-0.10	0.054	24.60	25.50	1.230	0.066	/
	DSI1		Left Cheek	0	37850	2580	50	Low	0.09	0.141	23.58	24.50	1.236	0.174	/
	DSI1		Left Tilt	0	37850	2580	50	Low	-0.16	0.045	23.58	24.50	1.236	0.056	/
	DSI1		Right Cheek	0	37850	2580	50	Low	-0.19	0.076	23.58	24.50	1.236	0.094	/
	DSI1		Right Tilt	0	37850	2580	50	Low	0.06	0.044	23.58	24.50	1.236	0.054	/
Head-CA															
Ant. 4	DSI1	QPSK	Right Tilt	0	37850 +38048	2580 +2599.8	1+1	High +Low	0.02	0.713	19.43	21.00	1.435	1.023	/
Body-worn															
Ant. 4	DSI3	QPSK	Front Side	5	37850	2580	1	High	0.07	0.108	19.12	20.50	1.374	0.148	/
	DSI3		Back Side	5	37850	2580	1	High	-0.05	0.585	19.12	20.50	1.374	0.804	/
	DSI3		Front Side	5	37850	2580	50	Low	-0.03	0.102	19.03	20.50	1.403	0.143	/

	DSI3		Back Side	5	37850	2580	50	Low	0.02	0.541	19.03	20.50	1.403	0.759	/
	DSI3		Back Side	5	38000	2595	1	Mid	-0.12	0.542	19.04	20.50	1.400	0.759	/
	DSI3		Back Side	5	38150	2610	1	High	0.01	0.597	19.03	20.50	1.403	0.838	59#
	DSI3		Back Side	5	38000	2595	100	Low	-0.17	0.536	18.99	20.50	1.416	0.759	/
Ant.3	DSI3	QPSK	Front Side	5	38150	2610	1	High	0.01	0.082	18.11	19.00	1.227	0.101	/
	DSI3		Back Side	5	38150	2610	1	High	0.12	0.392	18.11	19.00	1.227	0.481	/
	DSI3		Front Side	5	38150	2610	50	Mid	-0.19	0.079	18.25	19.00	1.189	0.094	/
	DSI3		Back Side	5	38150	2610	50	Mid	0.17	0.385	18.25	19.00	1.189	0.458	/
Ant.1	DSI2	QPSK	Front Side	5	37850	2580	1	High	0.07	0.352	21.18	22.00	1.208	0.425	/
	DSI2		Back Side	5	37850	2580	1	High	0.11	0.352	21.18	22.00	1.208	0.425	/
	DSI2		Front Side	5	38150	2610	50	Mid	0.09	0.344	21.12	22.00	1.225	0.421	/
	DSI2		Back Side	5	38150	2610	50	Mid	0.00	0.363	21.12	22.00	1.225	0.445	/
Body-worn-CA															
Ant.4	DSI3	QPSK	Back Side	5	38150 +37952	2610 +2590.2	1+1	Low +High	-0.14	0.568	18.84	20.50	1.466	0.833	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	37850	2580	1	High	0.18	0.115	19.12	20.50	1.374	0.158	/
	DSI5		Back Side	10	37850	2580	1	High	-0.01	0.208	19.12	20.50	1.374	0.286	/
	DSI5		Left Edge	10	37850	2580	1	High	-0.01	0.055	19.12	20.50	1.374	0.076	/
	DSI5		Top Edge	10	37850	2580	1	High	-0.04	0.306	19.12	20.50	1.374	0.420	60#
	DSI5		Front Side	10	37850	2580	50	Low	0.19	0.114	19.03	20.50	1.403	0.160	/
	DSI5		Back Side	10	37850	2580	50	Low	0.03	0.248	19.03	20.50	1.403	0.348	/
	DSI5		Left Edge	10	37850	2580	50	Low	-0.19	0.055	19.03	20.50	1.403	0.077	/
	DSI5		Top Edge	10	37850	2580	50	Low	0.03	0.297	19.03	20.50	1.403	0.417	/
Ant.3	DSI5	QPSK	Front Side	10	38150	2610	1	Low	-0.01	0.033	18.11	19.00	1.227	0.040	/
	DSI5		Back Side	10	38150	2610	1	Low	0.15	0.148	18.11	19.00	1.227	0.182	/
	DSI5		Left Edge	10	38150	2610	1	Low	0.10	0.208	18.11	19.00	1.227	0.255	/
	DSI5		Front Side	10	38150	2610	50	MID	0.18	0.032	18.25	19.00	1.189	0.038	/
	DSI5		Back Side	10	38150	2610	50	MID	0.08	0.145	18.25	19.00	1.189	0.172	/
	DSI5		Left Edge	10	38150	2610	50	MID	0.08	0.203	18.25	19.00	1.189	0.241	/
Ant.1	DSI5	QPSK	Front Side	10	37850	2580	1	HIGH	-0.01	0.125	21.18	22.00	1.208	0.151	/
	DSI5		Back Side	10	37850	2580	1	HIGH	-0.03	0.106	21.18	22.00	1.208	0.128	/
	DSI5		Left Edge	10	37850	2580	1	HIGH	0.00	0.038	21.18	22.00	1.208	0.046	/
	DSI5		Right Edge	10	37850	2580	1	HIGH	0.14	0.000	21.18	22.00	1.208	0.000	/
	DSI5		Bottom Edge	10	37850	2580	1	HIGH	-0.01	0.143	21.18	22.00	1.208	0.173	/
	DSI5		Front Side	10	38150	2610	50	MID	0.08	0.124	21.12	22.00	1.225	0.152	/
	DSI5		Back Side	10	38150	2610	50	MID	-0.01	0.105	21.12	22.00	1.225	0.129	/
	DSI5		Left Edge	10	38150	2610	50	MID	-0.06	0.039	21.12	22.00	1.225	0.048	/
	DSI5		Right Edge	10	38150	2610	50	MID	0.12	0.024	21.12	22.00	1.225	0.029	/
	DSI5		Bottom Edge	10	38150	2610	50	MID	0.13	0.144	21.12	22.00	1.225	0.176	/
Hotspot-CA															
Ant.4	DSI5	QPSK	Top Edge	10	37850 +38048	2580 +2599.8	1+1	High +Low	0.02	0.286	18.92	20.50	1.439	0.412	/

Body (Sensor-1)															
Ant.4	DSI4	QPSK	Front Side	9	38000	2595	1	Mid	-0.05	0.456	24.14	25.50	1.368	0.624	/
	DSI4		Back Side	15	38000	2595	1	Mid	0.04	0.339	24.14	25.50	1.368	0.464	/
	DSI4		Left Edge	9	38000	2595	1	Mid	0.02	0.060	24.14	25.50	1.368	0.082	/
	DSI4		Top Edge	15	38000	2595	1	Mid	0.18	0.459	24.14	25.50	1.368	0.628	/
	DSI4		Front Side	9	37850	2580	50	Mid	-0.02	0.361	23.11	24.50	1.377	0.497	/
	DSI4		Back Side	15	37850	2580	50	Mid	0.01	0.270	23.11	24.50	1.377	0.372	/
	DSI4		Left Edge	9	37850	2580	50	Mid	-0.08	0.046	23.11	24.50	1.377	0.063	/
	DSI4		Top Edge	15	37850	2580	50	Mid	0.13	0.358	23.11	24.50	1.377	0.493	/
Ant.1	DSI4	QPSK	Front Side	9	37850	2580	1	Mid	0.19	0.467	24.60	25.50	1.230	0.574	/
	DSI4		Back Side	15	37850	2580	1	Mid	0.14	0.185	24.60	25.50	1.230	0.228	/
	DSI4		Bottom Edge	15	37850	2580	1	Mid	0.14	0.252	24.60	25.50	1.230	0.310	/
	DSI4		Front Side	9	37850	2580	50	Low	0.04	0.367	23.58	24.50	1.236	0.454	/
	DSI4		Back Side	15	37850	2580	50	Low	-0.11	0.143	23.58	24.50	1.236	0.177	/
	DSI4		Bottom Edge	15	37850	2580	50	Low	0.03	0.196	23.58	24.50	1.236	0.242	/

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	37850	2580	1	High	-0.02	1.050	19.12	20.50	1.374	1.443	61#
	DSI3		Top Edge	0	37850	2580	50	Low	0.03	1.020	19.03	20.50	1.403	1.431	/
Specific-CA															
Ant.4	DSI3	QPSK	Top Edge	0	37850 +38048	2580 +2599.8	1+1	High +Low	-0.03	0.987	18.92	20.50	1.439	1.420	/

12.22 LTE Band 41 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.4	DSI1	QPSK	Left Cheek	0	41490	2680	1	High	0.00	0.456	19.79	21.00	1.321	0.602	/
	DSI1		Left Tilt	0	41490	2680	1	High	-0.17	0.531	19.79	21.00	1.321	0.701	/
	DSI1		Right Cheek	0	41490	2680	1	High	0.18	0.534	19.79	21.00	1.321	0.705	/
	DSI1		Right Tilt	0	41490	2680	1	High	-0.19	0.680	19.79	21.00	1.321	0.898	/
	DSI1		Left Cheek	0	41490	2680	50	High	-0.05	0.438	19.62	21.00	1.374	0.602	/
	DSI1		Left Tilt	0	41490	2680	50	High	-0.17	0.521	19.62	21.00	1.374	0.716	/
	DSI1		Right Cheek	0	41490	2680	50	High	-0.19	0.522	19.62	21.00	1.374	0.717	/
	DSI1		Right Tilt	0	41490	2680	50	High	-0.10	0.629	19.62	21.00	1.374	0.864	/
	DSI1		Right Tilt	0	39750	2506	1	High	0.05	0.765	19.70	21.00	1.349	1.032	62#
	DSI1		Right Tilt	0	40185	2549.5	1	Low	-0.01	0.748	19.61	21.00	1.377	1.030	/
	DSI1		Right Tilt	0	40620	2593	1	Mid	0.02	0.648	19.51	21.00	1.409	0.913	/
	DSI1		Right Tilt	0	41055	2636.5	1	High	0.05	0.654	19.66	21.00	1.361	0.890	/
	DSI1		Right Tilt	0	39750	2506	50	Low	-0.13	0.740	19.60	21.00	1.380	1.021	/
	DSI1		Right Tilt	0	40185	2549.5	50	High	-0.04	0.720	19.53	21.00	1.403	1.010	/
	DSI1		Right Tilt	0	40620	2593	50	Mid	0.16	0.658	19.57	21.00	1.390	0.915	/
	DSI1		Right Tilt	0	41055	2636.5	50	Low	0.12	0.649	19.58	21.00	1.387	0.900	/
	DSI1		Right Tilt	0	39750	2506	100	Low	-0.07	0.663	19.62	21.00	1.374	0.911	/
	Ant.3		DSI1	QPSK	Left Cheek	0	39750	2506	1	Mid	0.19	0.186	21.96	23.50	1.426
DSI1		Left Tilt	0		39750	2506	1	Mid	-0.13	0.046	21.96	23.50	1.426	0.066	/
DSI1		Right Cheek	0		39750	2506	1	Mid	0.18	0.361	21.96	23.50	1.426	0.515	/
DSI1		Right Tilt	0		39750	2506	1	Mid	-0.16	0.049	21.96	23.50	1.426	0.070	/
DSI1		Left Cheek	0		39750	2506	50	Mid	-0.02	0.182	21.95	23.50	1.429	0.260	/
DSI1		Left Tilt	0		39750	2506	50	Mid	0.10	0.043	21.95	23.50	1.429	0.061	/
DSI1		Right Cheek	0		39750	2506	50	Mid	0.18	0.342	21.95	23.50	1.429	0.489	/
DSI1		Right Tilt	0		39750	2506	50	Mid	0.19	0.043	21.95	23.50	1.429	0.061	/
Ant.1	DSI1	QPSK	Left Cheek	0	40185	2549.5	1	High	0.16	0.142	24.70	25.50	1.202	0.171	/
	DSI1		Left Tilt	0	40185	2549.5	1	High	0.16	0.047	24.70	25.50	1.202	0.056	/
	DSI1		Right Cheek	0	40185	2549.5	1	High	0.13	0.077	24.70	25.50	1.202	0.093	/
	DSI1		Right Tilt	0	40185	2549.5	1	High	0.07	0.044	24.70	25.50	1.202	0.053	/
	DSI1		Left Cheek	0	40185	2549.5	50	Mid	-0.04	0.113	23.58	24.50	1.236	0.140	/
	DSI1		Left Tilt	0	40185	2549.5	50	Mid	0.04	0.039	23.58	24.50	1.236	0.048	/
	DSI1		Right Cheek	0	40185	2549.5	50	Mid	0.07	0.063	23.58	24.50	1.236	0.078	/
	DSI1		Right Tilt	0	40185	2549.5	50	Mid	0.00	0.037	23.58	24.50	1.236	0.046	/
Body-worn															
Ant.4	DSI3	QPSK	Front Side	5	41490	2680	1	High	0.17	0.321	19.18	20.50	1.355	0.435	/
	DSI3		Back Side	5	41490	2680	1	High	0.19	0.628	19.18	20.50	1.355	0.851	/

	DSI3		Front Side	5	39750	2506	50	Mid	0.16	0.334	19.10	20.50	1.380	0.461	/
	DSI3		Back Side	5	39750	2506	50	Mid	0.04	0.631	19.10	20.50	1.380	0.871	63#
	DSI3		Back Side	5	39750	2506	1	High	0.03	0.586	19.17	20.50	1.358	0.796	/
	DSI3		Back Side	5	40185	2549.5	1	Mid	0.00	0.610	19.10	20.50	1.380	0.842	/
	DSI3		Back Side	5	40620	2593	1	High	0.02	0.603	19.02	20.50	1.406	0.848	/
	DSI3		Back Side	5	41055	2636.5	1	High	-0.05	0.593	19.05	20.50	1.396	0.828	/
	DSI3		Back Side	5	40185	2549.5	50	Low	-0.04	0.608	19.01	20.50	1.409	0.857	/
	DSI3		Back Side	5	40620	2593	50	Mid	-0.08	0.574	19.00	20.50	1.413	0.811	/
	DSI3		Back Side	5	41055	2636.5	50	Low	0.08	0.585	19.04	20.50	1.400	0.819	/
	DSI3		Back Side	5	41490	2680	50	High	-0.02	0.603	19.08	20.50	1.387	0.836	/
	DSI3		Back Side	5	41490	2680	100	Low	-0.05	0.596	19.07	20.50	1.390	0.828	/
Ant. 3	DSI3	QPSK	Front Side	5	39750	2506	1	Mid	0.06	0.068	17.92	19.00	1.282	0.087	/
	DSI3		Back Side	5	39750	2506	1	Mid	-0.14	0.315	17.92	19.00	1.282	0.404	/
	DSI3		Front Side	5	41055	2636.5	50	High	-0.11	0.066	18.01	19.00	1.256	0.083	/
	DSI3		Back Side	5	41055	2636.5	50	High	0.01	0.323	18.01	19.00	1.256	0.406	/
Ant. 1	DSI2	QPSK	Front Side	5	40620	2593	1	High	-0.08	0.391	21.12	22.00	1.225	0.479	/
	DSI2		Back Side	5	40620	2593	1	High	-0.03	0.469	21.12	22.00	1.225	0.575	/
	DSI2		Front Side	5	41055	2636.5	50	Mid	-0.06	0.403	21.11	22.00	1.227	0.494	/
	DSI2		Back Side	5	41055	2636.5	50	Mid	-0.11	0.468	21.11	22.00	1.227	0.574	/
Hotspot															
Ant. 4	DSI5	QPSK	Front Side	10	41490	2680	1	High	0.12	0.108	19.18	20.50	1.355	0.146	/
	DSI5		Back Side	10	41490	2680	1	High	-0.06	0.209	19.18	20.50	1.355	0.283	/
	DSI5		Left Edge	10	41490	2680	1	High	-0.01	0.049	19.18	20.50	1.355	0.066	/
	DSI5		Top Edge	10	41490	2680	1	High	0.15	0.302	19.18	20.50	1.355	0.409	/
	DSI5		Front Side	10	39750	2506	50	Mid	0.15	0.102	19.10	20.50	1.380	0.141	/
	DSI5		Back Side	10	39750	2506	50	Mid	0.02	0.213	19.10	20.50	1.380	0.294	/
	DSI5		Left Edge	10	39750	2506	50	Mid	0.00	0.049	19.10	20.50	1.380	0.068	/
	DSI5		Top Edge	10	39750	2506	50	Mid	-0.02	0.310	19.10	20.50	1.380	0.428	64#
Ant. 3	DSI5	QPSK	Front Side	10	39750	2506	1	Mid	0.09	0.045	17.92	19.00	1.282	0.058	/
	DSI5		Back Side	10	39750	2506	1	Mid	0.04	0.193	17.92	19.00	1.282	0.247	/
	DSI5		Left Edge	10	39750	2506	1	Mid	-0.02	0.262	17.92	19.00	1.282	0.336	/
	DSI5		Front Side	10	41055	2636.5	50	High	-0.18	0.043	18.01	19.00	1.256	0.054	/
	DSI5		Back Side	10	41055	2636.5	50	High	0.09	0.184	18.01	19.00	1.256	0.231	/
	DSI5		Left Edge	10	41055	2636.5	50	High	-0.01	0.251	18.01	19.00	1.256	0.315	/
Ant. 1	DSI5	QPSK	Front Side	10	40620	2593	1	High	0.00	0.214	21.12	22.00	1.225	0.262	/
	DSI5		Back Side	10	40620	2593	1	High	-0.07	0.187	21.12	22.00	1.225	0.229	/
	DSI5		Left Edge	10	40620	2593	1	High	-0.05	0.065	21.12	22.00	1.225	0.080	/
	DSI5		Right Edge	10	40620	2593	1	High	0.02	0.015	21.12	22.00	1.225	0.018	/
	DSI5		Bottom Edge	10	40620	2593	1	High	0.05	0.293	21.12	22.00	1.225	0.359	/
	DSI5		Front Side	10	41055	2636.5	50	Mid	0.15	0.215	21.11	22.00	1.227	0.264	/
	DSI5		Back Side	10	41055	2636.5	50	Mid	0.12	0.188	21.11	22.00	1.227	0.231	/
	DSI5		Left Edge	10	41055	2636.5	50	Mid	-0.10	0.062	21.11	22.00	1.227	0.076	/
	DSI5		Right Edge	10	41055	2636.5	50	Mid	0.06	0.130	21.11	22.00	1.227	0.160	/

	DSI5		Bottom Edge	10	41055	2636.5	50	Mid	-0.06	0.250	21.11	22.00	1.227	0.307	/	
Body (Sensor-1)																
Ant.4	DSI4	QPSK	Front Side	9	40185	2549.5	1	Mid	0.15	0.456	24.21	25.50	1.346	0.614	/	
	DSI4		Back Side	15	40185	2549.5	1	Mid	0.17	0.339	24.21	25.50	1.346	0.456	/	
	DSI4		Left Edge	9	40185	2549.5	1	Mid	0.02	0.184	24.21	25.50	1.346	0.248	/	
	DSI4		Top Edge	15	40185	2549.5	1	Mid	0.10	0.459	24.21	25.50	1.346	0.618	/	
	DSI4		Front Side	9	40185	2549.5	50	High	-0.05	0.359	23.13	24.50	1.371	0.492	/	
	DSI4		Back Side	15	40185	2549.5	50	High	0.11	0.268	23.13	24.50	1.371	0.367	/	
	DSI4		Left Edge	9	40185	2549.5	50	High	0.03	0.145	23.13	24.50	1.371	0.199	/	
	DSI4		Top Edge	15	40185	2549.5	50	High	0.14	0.362	23.13	24.50	1.371	0.496	/	
Ant.1	DSI4	QPSK	Front Side	9	40185	2549.5	1	High	0.11	0.467	24.70	25.50	1.202	0.561	/	
	DSI4		Back Side	15	40185	2549.5	1	High	-0.03	0.185	24.70	25.50	1.202	0.222	/	
	DSI4		Bottom Edge	15	40185	2549.5	1	High	0.00	0.252	24.70	25.50	1.202	0.303	/	
	DSI4		Front Side	9	40185	2549.5	50	Mid	0.06	0.368	23.58	24.50	1.236	0.455	/	
	DSI4		Back Side	15	40185	2549.5	50	Mid	-0.09	0.145	23.58	24.50	1.236	0.179	/	
	DSI4		Bottom Edge	15	40185	2549.5	50	Mid	0.11	0.189	23.58	24.50	1.236	0.234	/	

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	High	0.01	1.140	19.18	20.50	1.355	1.545	65#
	DSI3		Top Edge	0	39750	2506	50	Mid	-0.03	1.090	19.10	20.50	1.380	1.504	/

12.23 LTE Band 42 (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.2	DSI1	QPSK	Left Cheek	0	43490	3590	1	Mid	0.03	0.259	19.85	21.50	1.462	0.379	/
	DSI1		Left Tilt	0	43490	3590	1	Mid	-0.07	0.231	19.85	21.50	1.462	0.338	/
	DSI1		Right Cheek	0	43490	3590	1	Mid	-0.09	0.568	19.85	21.50	1.462	0.830	/
	DSI1		Right Tilt	0	43490	3590	1	Mid	0.14	0.258	19.85	21.50	1.462	0.377	/
	DSI1		Left Cheek	0	42590	3500	50	Low	0.19	0.192	19.81	21.50	1.476	0.283	/
	DSI1		Left Tilt	0	42590	3500	50	Low	-0.13	0.246	19.81	21.50	1.476	0.363	/
	DSI1		Right Cheek	0	42590	3500	50	Low	0.04	0.568	19.81	21.50	1.476	0.838	/
	DSI1		Right Tilt	0	42590	3500	50	Low	-0.16	0.263	19.81	21.50	1.476	0.388	/
	DSI1		Right Cheek	0	41690	3410	1	Mid	-0.09	0.571	19.82	21.50	1.472	0.841	/
	DSI1		Right Cheek	0	42590	3500	1	High	-0.11	0.586	19.70	21.50	1.514	0.887	/
	DSI1		Right Cheek	0	41690	3410	50	Low	0.18	0.542	19.74	21.50	1.500	0.813	/
	DSI1		Right Cheek	0	43490	3590	50	Mid	-0.13	0.558	19.80	21.50	1.479	0.825	/
	DSI1		Right Cheek	0	41690	3410	100	Low	-0.03	0.550	19.75	21.50	1.496	0.823	/
	Ant.3		DSI1	QPSK	Left Cheek	0	42590	3500	1	High	-0.07	0.075	20.82	22.50	1.472
DSI1		Left Tilt	0		42590	3500	1	High	-0.06	0.041	20.82	22.50	1.472	0.060	/
DSI1		Right Cheek	0		42590	3500	1	High	0.08	0.154	20.82	22.50	1.472	0.227	/
DSI1		Right Tilt	0		42590	3500	1	High	0.03	0.064	20.82	22.50	1.472	0.094	/
DSI1		Left Cheek	0		43490	3590	50	Low	-0.14	0.075	19.81	21.50	1.476	0.111	/
DSI1		Left Tilt	0		43490	3590	50	Low	0.05	0.032	19.81	21.50	1.476	0.047	/
DSI1		Right Cheek	0		43490	3590	50	Low	0.06	0.159	19.81	21.50	1.476	0.235	/
DSI1		Right Tilt	0		43490	3590	50	Low	-0.03	0.063	19.81	21.50	1.476	0.093	/
Ant.5	DSI1	QPSK	Left Cheek	0	43490	3590	1	Mid	-0.05	0.520	19.89	21.00	1.291	0.671	/
	DSI1		Left Tilt	0	43490	3590	1	Mid	-0.01	0.839	19.89	21.00	1.291	1.083	66#
	DSI1		Right Cheek	0	43490	3590	1	Mid	0.12	0.488	19.89	21.00	1.291	0.630	/
	DSI1		Right Tilt	0	43490	3590	1	Mid	-0.16	0.571	19.89	21.00	1.291	0.737	/
	DSI1		Left Cheek	0	43490	3590	50	Mid	0.09	0.527	19.77	21.00	1.327	0.699	/
	DSI1		Left Tilt	0	43490	3590	50	Mid	-0.01	0.783	19.77	21.00	1.327	1.039	/
	DSI1		Right Cheek	0	43490	3590	50	Mid	0.10	0.489	19.77	21.00	1.327	0.649	/
	DSI1		Right Tilt	0	43490	3590	50	Mid	-0.08	0.517	19.77	21.00	1.327	0.686	/
	DSI1		Left Tilt	0	41690	3410	1	Low	-0.09	0.751	19.74	21.00	1.337	1.004	/
	DSI1		Left Tilt	0	42590	3500	1	Mid	-0.11	0.737	19.76	21.00	1.330	0.980	/
	DSI1		Left Tilt	0	41690	3410	50	Low	0.18	0.747	19.71	21.00	1.346	1.005	/
	DSI1		Left Tilt	0	42590	3500	50	Mid	-0.13	0.727	19.68	21.00	1.355	0.985	/
	DSI1		Left Tilt	0	43490	3590	100	Low	-0.03	0.702	19.66	21.00	1.361	0.955	/
	Ant.7		DSI1	QPSK	Left Cheek	0	43490	3590	1	High	-0.15	0.645	19.09	20.00	1.233
DSI1		Left Tilt	0		43490	3590	1	High	0.05	0.347	19.09	20.00	1.233	0.428	/

	DSI1		Right Cheek	0	43490	3590	1	High	0.05	0.179	19.09	20.00	1.233	0.221	/
	DSI1		Right Tilt	0	43490	3590	1	High	-0.05	0.176	19.09	20.00	1.233	0.217	/
	DSI1		Left Cheek	0	41690	3410	50	High	0.13	0.618	19.03	20.00	1.250	0.773	/
	DSI1		Left Tilt	0	41690	3410	50	High	-0.06	0.330	19.03	20.00	1.250	0.413	/
	DSI1		Right Cheek	0	41690	3410	50	High	0.09	0.172	19.03	20.00	1.250	0.215	/
	DSI1		Right Tilt	0	41690	3410	50	High	0.09	0.118	19.03	20.00	1.250	0.148	/
Body-worn															
Ant.2	DSI3	QPSK	Front Side	5	42590	3500	1	Mid	-0.03	0.215	19.44	20.50	1.276	0.274	/
	DSI3		Back Side	5	42590	3500	1	Mid	-0.19	0.723	19.44	20.50	1.276	0.923	/
	DSI3		Front Side	5	42590	3500	50	High	-0.03	0.211	19.32	20.50	1.312	0.277	/
	DSI3		Back Side	5	42590	3500	50	High	-0.12	0.736	19.32	20.50	1.312	0.966	/
	DSI3		Back Side	5	41690	3410	1	Mid	0.07	0.710	19.38	20.50	1.294	0.919	/
	DSI3		Back Side	5	43490	3590	1	Mid	-0.02	0.695	19.43	20.50	1.279	0.889	/
	DSI3		Back Side	5	41690	3410	50	Low	-0.11	0.701	19.25	20.50	1.334	0.935	/
	DSI3		Back Side	5	43490	3590	50	Mid	0.06	0.682	19.29	20.50	1.321	0.901	/
	DSI3		Back Side	5	43490	3590	100	Low	0.01	0.653	19.43	20.50	1.279	0.835	/
Ant.3	DSI3	QPSK	Front Side	5	41690	3410	1	Low	-0.02	0.112	19.81	21.00	1.315	0.147	/
	DSI3		Back Side	5	41690	3410	1	Low	-0.10	0.648	19.81	21.00	1.315	0.852	/
	DSI3		Front Side	5	42590	3500	50	High	0.19	0.115	19.84	21.00	1.306	0.150	/
	DSI3		Back Side	5	42590	3500	50	High	0.02	0.658	19.84	21.00	1.306	0.859	/
	DSI3		Back Side	5	42590	3500	1	High	-0.05	0.610	19.77	21.00	1.327	0.809	/
	DSI3		Back Side	5	43490	3590	1	Mid	-0.04	0.596	19.75	21.00	1.334	0.795	/
	DSI3		Back Side	5	41690	3410	50	Low	-0.05	0.603	19.72	21.00	1.343	0.810	/
	DSI3		Back Side	5	43490	3590	50	High	0.01	0.585	19.84	21.00	1.306	0.764	/
	DSI3		Back Side	5	42590	3500	100	Low	-0.06	0.579	19.86	21.00	1.300	0.753	/
Ant.5	DSI3	QPSK	Front Side	5	43490	3590	1	Mid	0.04	0.274	18.07	19.50	1.390	0.381	/
	DSI3		Back Side	5	43490	3590	1	Mid	-0.09	0.702	18.07	19.50	1.390	0.976	/
	DSI3		Front Side	5	43490	3590	50	Mid	-0.16	0.295	18.03	19.50	1.403	0.414	/
	DSI3		Back Side	5	43490	3590	50	Mid	-0.01	0.714	18.03	19.50	1.403	1.002	67#
	DSI3		Back Side	5	41690	3410	1	Low	0.09	0.685	17.94	19.50	1.432	0.981	/
	DSI3		Back Side	5	42590	3500	1	Mid	-0.10	0.674	17.93	19.50	1.435	0.967	/
	DSI3		Back Side	5	41690	3410	50	Low	0.06	0.690	17.90	19.50	1.445	0.997	/
	DSI3		Back Side	5	42590	3500	50	Mid	-0.07	0.635	17.90	19.50	1.445	0.918	/
	DSI3		Back Side	5	43490	3590	100	Low	-0.02	0.658	18.00	19.50	1.413	0.930	/
Ant.7	DSI3	QPSK	Front Side	5	43490	3590	1	High	-0.15	0.160	18.09	19.00	1.233	0.197	/
	DSI3		Back Side	5	43490	3590	1	High	0.09	0.504	18.09	19.00	1.233	0.621	/
	DSI3		Front Side	5	43490	3590	50	Low	-0.10	0.166	18.10	19.00	1.230	0.204	/
	DSI3		Back Side	5	43490	3590	50	Low	0.19	0.513	18.10	19.00	1.230	0.631	/
Hotspot															
Ant.2	DSI5	QPSK	Front Side	10	42590	3500	1	Mid	-0.17	0.071	19.44	20.50	1.276	0.091	/
	DSI5		Back Side	10	42590	3500	1	Mid	-0.13	0.180	19.44	20.50	1.276	0.230	/
	DSI5		Left Edge	10	42590	3500	1	Mid	0.09	0.019	19.44	20.50	1.276	0.024	/

	DSI5		Top Edge	10	42590	3500	1	Mid	-0.03	0.058	19.44	20.50	1.276	0.074	/
	DSI5		Front Side	10	42590	3500	50	High	0.11	0.074	19.32	20.50	1.312	0.097	/
	DSI5		Back Side	10	42590	3500	50	High	-0.17	0.160	19.32	20.50	1.312	0.210	/
	DSI5		Left Edge	10	42590	3500	50	High	-0.16	0.018	19.32	20.50	1.312	0.024	/
	DSI5		Top Edge	10	42590	3500	50	High	0.04	0.051	19.32	20.50	1.312	0.067	/
Ant.3	DSI5	QPSK	Front Side	10	41690	3410	1	Low	-0.19	0.045	19.81	21.00	1.315	0.059	/
	DSI5		Back Side	10	41690	3410	1	Low	-0.15	0.211	19.81	21.00	1.315	0.277	/
	DSI5		Left Edge	10	41690	3410	1	Low	-0.10	0.026	19.81	21.00	1.315	0.034	/
	DSI5		Front Side	10	42590	3500	50	High	0.00	0.044	19.84	21.00	1.306	0.057	/
	DSI5		Back Side	10	42590	3500	50	High	0.18	0.231	19.84	21.00	1.306	0.302	/
	DSI5		Left Edge	10	42590	3500	50	High	0.18	0.027	19.84	21.00	1.306	0.035	/
Ant.5	DSI5	QPSK	Front Side	10	43490	3590	1	Mid	-0.16	0.127	18.07	19.50	1.390	0.177	/
	DSI5		Back Side	10	43490	3590	1	Mid	0.09	0.319	18.07	19.50	1.390	0.443	68#
	DSI5		Top Edge	10	43490	3590	1	Mid	0.00	0.274	18.07	19.50	1.390	0.381	/
	DSI5		Front Side	10	43490	3590	50	Mid	0.11	0.124	18.03	19.50	1.403	0.174	/
	DSI5		Back Side	10	43490	3590	50	Mid	-0.02	0.305	18.03	19.50	1.403	0.428	/
	DSI5		Top Edge	10	43490	3590	50	Mid	-0.04	0.277	18.03	19.50	1.403	0.389	/
Ant.7	DSI5	QPSK	Front Side	10	43490	3590	1	High	-0.09	0.072	18.09	19.00	1.233	0.089	/
	DSI5		Back Side	10	43490	3590	1	High	0.03	0.186	18.09	19.00	1.233	0.229	/
	DSI5		Right Edge	10	43490	3590	1	High	-0.08	0.148	18.09	19.00	1.233	0.182	/
	DSI5		Top Edge	10	43490	3590	1	High	0.00	0.082	18.09	19.00	1.233	0.101	/
	DSI5		Front Side	10	43490	3590	50	Low	-0.10	0.069	18.10	19.00	1.230	0.085	/
	DSI5		Back Side	10	43490	3590	50	Low	-0.08	0.173	18.10	19.00	1.230	0.213	/
	DSI5		Right Edge	10	43490	3590	50	Low	0.07	0.151	18.10	19.00	1.230	0.186	/
	DSI5		Top Edge	10	43490	3590	50	Low	0.03	0.079	18.10	19.00	1.230	0.097	/

12.24 LTE Band 48 (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.2	DSI1	QPSK	Left Cheek	0	55340	3560	1	Mid	-0.07	0.222	21.49	23.00	1.416	0.314	/
	DSI1		Left Tilt	0	55340	3560	1	Mid	-0.03	0.216	21.49	23.00	1.416	0.306	/
	DSI1		Right Cheek	0	55340	3560	1	Mid	-0.08	0.488	21.49	23.00	1.416	0.691	/
	DSI1		Right Tilt	0	55340	3560	1	Mid	0.08	0.416	21.49	23.00	1.416	0.589	/
	DSI1		Left Cheek	0	56640	3690	50	Low	-0.04	0.222	20.48	22.00	1.419	0.315	/
	DSI1		Left Tilt	0	56640	3690	50	Low	-0.13	0.211	20.48	22.00	1.419	0.299	/
	DSI1		Right Cheek	0	56640	3690	50	Low	-0.13	0.481	20.48	22.00	1.419	0.683	/
	DSI1		Right Tilt	0	56640	3690	50	Low	-0.03	0.404	20.48	22.00	1.419	0.573	/
Ant.3	DSI1	QPSK	Left Cheek	0	56640	3690	1	Mid	-0.05	0.105	20.91	22.50	1.442	0.151	/
	DSI1		Left Tilt	0	56640	3690	1	Mid	0.13	0.021	20.91	22.50	1.442	0.030	/
	DSI1		Right Cheek	0	56640	3690	1	Mid	-0.12	0.239	20.91	22.50	1.442	0.345	/
	DSI1		Right Tilt	0	56640	3690	1	Mid	0.14	0.076	20.91	22.50	1.442	0.110	/
	DSI1		Left Cheek	0	55990	3625	50	Mid	0.00	0.083	19.95	21.50	1.429	0.119	/
	DSI1		Left Tilt	0	55990	3625	50	Mid	0.16	0.019	19.95	21.50	1.429	0.027	/
	DSI1		Right Cheek	0	55990	3625	50	Mid	-0.01	0.186	19.95	21.50	1.429	0.266	/
	DSI1		Right Tilt	0	55990	3625	50	Mid	0.08	0.058	19.95	21.50	1.429	0.083	/
Ant.5	DSI1	QPSK	Left Cheek	0	56640	3690	1	High	-0.19	0.571	18.88	20.50	1.452	0.829	/
	DSI1		Left Tilt	0	56640	3690	1	High	0.05	0.671	18.88	20.50	1.452	0.974	69#
	DSI1		Right Cheek	0	56640	3690	1	High	-0.07	0.498	18.88	20.50	1.452	0.723	/
	DSI1		Right Tilt	0	56640	3690	1	High	-0.17	0.568	18.88	20.50	1.452	0.825	/
	DSI1		Left Cheek	0	56640	3690	50	High	0.04	0.567	18.89	20.50	1.449	0.822	/
	DSI1		Left Tilt	0	56640	3690	50	High	-0.01	0.664	18.89	20.50	1.449	0.962	/
	DSI1		Right Cheek	0	56640	3690	50	High	-0.05	0.498	18.89	20.50	1.449	0.722	/
	DSI1		Right Tilt	0	56640	3690	50	High	-0.07	0.569	18.89	20.50	1.449	0.824	/
	DSI1		Left Tilt	0	55340	3560	1	Mid	0.19	0.642	18.81	20.50	1.476	0.948	/
	DSI1		Left Tilt	0	55990	3625	1	Low	0.00	0.608	18.67	20.50	1.524	0.927	/
	DSI1		Left Tilt	0	55340	3560	50	Low	-0.12	0.648	18.84	20.50	1.466	0.950	/
	DSI1		Left Tilt	0	55990	3625	50	Mid	-0.04	0.595	18.70	20.50	1.514	0.901	/
	DSI1		Left Tilt	0	55340	3560	100	Low	-0.18	0.651	18.77	20.50	1.489	0.969	/
Ant.7	DSI1	QPSK	Left Cheek	0	55990	3625	1	Low	0.18	0.596	20.09	21.00	1.233	0.735	/
	DSI1		Left Tilt	0	55990	3625	1	Low	-0.05	0.338	20.09	21.00	1.233	0.417	/
	DSI1		Right Cheek	0	55990	3625	1	Low	-0.07	0.195	20.09	21.00	1.233	0.240	/
	DSI1		Right Tilt	0	55990	3625	1	Low	0.07	0.138	20.09	21.00	1.233	0.170	/
	DSI1		Left Cheek	0	55990	3625	50	Low	0.14	0.587	20.15	21.00	1.216	0.714	/
	DSI1		Left Tilt	0	55990	3625	50	Low	-0.08	0.341	20.15	21.00	1.216	0.415	/
	DSI1		Right Cheek	0	55990	3625	50	Low	-0.04	0.193	20.15	21.00	1.216	0.235	/

	DSI1		Right Tilt	0	55990	3625	50	Low	0.10	0.149	20.15	21.00	1.216	0.181	/
Body-worn															
Ant.2	DSI3	QPSK	Front Side	5	55340	3560	1	Mid	0.12	0.199	19.54	20.50	1.247	0.248	/
	DSI3		Back Side	5	55340	3560	1	Mid	-0.01	0.712	19.54	20.50	1.247	0.888	/
	DSI3		Front Side	5	55340	3560	50	Low	-0.12	0.199	19.54	20.50	1.247	0.248	/
	DSI3		Back Side	5	55340	3560	50	Low	-0.05	0.697	19.54	20.50	1.247	0.869	/
	DSI3		Back Side	5	55990	3625	1	Low	0.10	0.685	19.48	20.50	1.265	0.867	/
	DSI3		Back Side	5	56640	3690	1	High	-0.07	0.653	19.42	20.50	1.282	0.837	/
	DSI3		Back Side	5	55990	3625	50	Low	0.00	0.670	19.51	20.50	1.256	0.842	/
	DSI3		Back Side	5	56640	3690	50	Mid	0.10	0.658	19.42	20.50	1.282	0.844	/
	DSI3		Back Side	5	56640	3690	100	Low	0.05	0.664	19.53	20.50	1.250	0.830	/
Ant.3	DSI3	QPSK	Front Side	5	55340	3560	1	Mid	-0.10	0.081	19.94	21.00	1.276	0.103	/
	DSI3		Back Side	5	55340	3560	1	Mid	0.15	0.636	19.94	21.00	1.276	0.812	/
	DSI3		Front Side	5	55340	3560	50	High	0.15	0.080	19.91	21.00	1.285	0.103	/
	DSI3		Back Side	5	55340	3560	50	High	-0.18	0.627	19.91	21.00	1.285	0.806	/
	DSI3		Back Side	5	55990	3625	1	High	0.05	0.625	19.90	21.00	1.288	0.805	/
	DSI3		Back Side	5	56640	3690	1	Low	-0.04	0.608	19.93	21.00	1.279	0.778	/
	DSI3		Back Side	5	55990	3625	50	Low	-0.06	0.601	19.76	21.00	1.330	0.799	/
	DSI3		Back Side	5	56640	3690	50	Mid	0.06	0.596	19.85	21.00	1.303	0.777	/
	DSI3		Back Side	5	55340	3560	100	Low	0.00	0.603	19.93	21.00	1.279	0.771	/
Ant.5	DSI3	QPSK	Front Side	5	55340	3560	1	Mid	-0.19	0.248	17.73	19.50	1.503	0.373	/
	DSI3		Back Side	5	55340	3560	1	Mid	-0.02	0.688	17.73	19.50	1.503	1.034	70#
	DSI3		Front Side	5	55340	3560	50	Low	-0.08	0.236	17.83	19.50	1.469	0.347	/
	DSI3		Back Side	5	55340	3560	50	Low	0.18	0.681	17.83	19.50	1.469	1.000	/
	DSI3		Back Side	5	55990	3625	1	Mid	-0.10	0.654	17.68	19.50	1.521	0.995	/
	DSI3		Back Side	5	56640	3690	1	Low	0.01	0.638	17.72	19.50	1.507	0.961	/
	DSI3		Back Side	5	55990	3625	50	High	0.10	0.628	17.77	19.50	1.489	0.935	/
	DSI3		Back Side	5	56640	3690	50	Mid	-0.03	0.614	17.76	19.50	1.493	0.917	/
	DSI3		Back Side	5	55340	3560	100	Low	0.07	0.596	17.80	19.50	1.479	0.881	/
Ant.7	DSI3	QPSK	Front Side	5	55340	3560	1	Low	-0.15	0.194	18.15	19.00	1.216	0.236	/
	DSI3		Back Side	5	55340	3560	1	Low	0.01	0.765	18.15	19.00	1.216	0.930	/
	DSI3		Front Side	5	55340	3560	50	Low	-0.18	0.200	18.15	19.00	1.216	0.243	/
	DSI3		Back Side	5	55340	3560	50	Low	0.01	0.757	18.15	19.00	1.216	0.921	/
	DSI3		Back Side	5	55990	3625	1	Low	0.02	0.752	18.05	19.00	1.245	0.936	/
	DSI3		Back Side	5	56640	3690	1	Mid	0.08	0.718	18.11	19.00	1.227	0.881	/
	DSI3		Back Side	5	55990	3625	50	High	-0.06	0.730	17.98	19.00	1.265	0.923	/
	DSI3		Back Side	5	56640	3690	50	Mid	0.03	0.729	18.05	19.00	1.245	0.908	/
	DSI3		Back Side	5	55990	3625	100	Low	-0.08	0.715	18.12	19.00	1.225	0.876	/
Hotspot															
Ant.2	DSI5	QPSK	Front Side	10	55340	3560	1	Mid	0.15	0.106	19.54	20.50	1.247	0.132	/
	DSI5		Back Side	10	55340	3560	1	Mid	0.11	0.341	19.54	20.50	1.247	0.425	/
	DSI5		Left Edge	10	55340	3560	1	Mid	0.07	0.193	19.54	20.50	1.247	0.241	/

	DSI5		Top Edge	10	55340	3560	1	Mid	-0.06	0.114	19.54	20.50	1.247	0.142	/
	DSI5		Front Side	10	55340	3560	50	Low	0.04	0.104	19.54	20.50	1.247	0.130	/
	DSI5		Back Side	10	55340	3560	50	Low	-0.15	0.304	19.54	20.50	1.247	0.379	/
	DSI5		Left Edge	10	55340	3560	50	Low	0.11	0.192	19.54	20.50	1.247	0.239	/
	DSI5		Top Edge	10	55340	3560	50	Low	-0.06	0.115	19.54	20.50	1.247	0.143	/
Ant.3	DSI5	QPSK	Front Side	10	55340	3560	1	Mid	-0.04	0.060	19.94	21.00	1.276	0.077	/
	DSI5		Back Side	10	55340	3560	1	Mid	0.18	0.267	19.94	21.00	1.276	0.341	/
	DSI5		Left Edge	10	55340	3560	1	Mid	-0.16	0.281	19.94	21.00	1.276	0.359	/
	DSI5		Front Side	10	55340	3560	1	High	0.05	0.056	19.91	21.00	1.285	0.072	/
	DSI5		Back Side	10	55340	3560	1	High	0.09	0.268	19.91	21.00	1.285	0.344	/
	DSI5		Left Edge	10	55340	3560	1	High	0.14	0.284	19.91	21.00	1.285	0.365	/
Ant.5	DSI5	QPSK	Front Side	10	55340	3560	1	Mid	0.02	0.103	17.73	19.50	1.503	0.155	/
	DSI5		Back Side	10	55340	3560	1	Mid	-0.04	0.284	17.73	19.50	1.503	0.427	71#
	DSI5		Top Edge	10	55340	3560	1	Mid	-0.15	0.233	17.73	19.50	1.503	0.350	/
	DSI5		Front Side	10	55340	3560	50	Low	-0.05	0.103	17.83	19.50	1.469	0.151	/
	DSI5		Back Side	10	55340	3560	50	Low	-0.17	0.282	17.83	19.50	1.469	0.414	/
	DSI5		Top Edge	10	55340	3560	50	Low	0.16	0.232	17.83	19.50	1.469	0.341	/
Ant.7	DSI5	QPSK	Front Side	10	55340	3560	1	Low	0.12	0.092	18.15	19.00	1.216	0.112	/
	DSI5		Back Side	10	55340	3560	1	Low	0.00	0.261	18.15	19.00	1.216	0.317	/
	DSI5		Right Edge	10	55340	3560	1	Low	-0.14	0.202	18.15	19.00	1.216	0.246	/
	DSI5		Top Edge	10	55340	3560	1	Low	-0.08	0.040	18.15	19.00	1.216	0.049	/
	DSI5		Front Side	10	55340	3560	50	Low	-0.11	0.089	18.15	19.00	1.216	0.108	/
	DSI5		Back Side	10	55340	3560	50	Low	0.14	0.265	18.15	19.00	1.216	0.322	/
	DSI5		Right Edge	10	55340	3560	50	Low	0.18	0.201	18.15	19.00	1.216	0.244	/
	DSI5		Top Edge	10	55340	3560	50	Low	-0.02	0.039	18.15	19.00	1.216	0.047	/

12.25 5G n2 (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 -OFD M BPSK	SA	Left Cheek	0	376000	1880	1	108	-0.12	0.439	15.75	16.50	1.189	0.522	/
	DSI1			Left Tilt	0	376000	1880	1	108	0.14	0.519	15.75	16.50	1.189	0.617	/
	DSI1			Right Cheek	0	376000	1880	1	108	-0.08	0.563	15.75	16.50	1.189	0.669	/
	DSI1			Right Tilt	0	376000	1880	1	108	-0.02	0.696	15.75	16.50	1.189	0.828	/
	DSI1			Left Cheek	0	374000	1870	108	54	-0.03	0.347	15.96	16.50	1.132	0.393	/
	DSI1			Left Tilt	0	374000	1870	108	54	-0.15	0.402	15.96	16.50	1.132	0.455	/
	DSI1			Right Cheek	0	374000	1870	108	54	0.13	0.443	15.96	16.50	1.132	0.501	/
	DSI1			Right Tilt	0	374000	1870	108	54	0.02	0.534	15.96	16.50	1.132	0.604	/
	DSI1			Right Tilt	0	374000	1870	1	108	0.05	0.767	15.71	16.50	1.199	0.920	72#
	DSI1			Right Tilt	0	378000	1890	1	1	0.08	0.643	15.74	16.50	1.191	0.766	/
	DSI1			Right Tilt	0	376000	1880	108	54	-0.08	0.603	15.82	16.50	1.169	0.705	/
	DSI1			Right Tilt	0	378000	1890	108	108	-0.04	0.513	15.84	16.50	1.164	0.597	/
	DSI1			Right Tilt	0	378000	1890	216	0	-0.10	0.541	15.76	16.50	1.186	0.642	/
	Ant.1			DSI1	DFT-s -OFD M BPSK	SA	Left Cheek	0	378000	1890	1	214	0.06	0.201	24.30	25.50
DSI1		Left Tilt	0	378000			1890	1	214	-0.06	0.117	24.30	25.50	1.318	0.154	/
DSI1		Right Cheek	0	378000			1890	1	214	-0.06	0.122	24.30	25.50	1.318	0.161	/
DSI1		Right Tilt	0	378000			1890	1	214	0.05	0.127	24.30	25.50	1.318	0.167	/
DSI1		Left Cheek	0	378000			1890	108	54	-0.15	0.160	24.32	25.50	1.312	0.210	/
DSI1		Left Tilt	0	378000			1890	108	54	-0.01	0.092	24.32	25.50	1.312	0.121	/
DSI1		Right Cheek	0	378000			1890	108	54	-0.11	0.100	24.32	25.50	1.312	0.131	/
DSI1		Right Tilt	0	378000			1890	108	54	-0.06	0.106	24.32	25.50	1.312	0.139	/
Body-worn																
Ant.4	DSI3	DFT-s -OFD M BPSK	SA	Front Side	5	374000	1870	1	1	0.07	0.550	17.28	17.50	1.052	0.579	/
	DSI3			Back Side	5	374000	1870	1	1	-0.06	0.894	17.28	17.50	1.052	0.940	73#
	DSI3			Front Side	5	374000	1870	108	0	-0.14	0.547	17.36	17.50	1.033	0.565	/
	DSI3			Back Side	5	374000	1870	108	0	-0.14	0.871	17.36	17.50	1.033	0.900	/
Ant.1	DSI2	DFT-s -OFD M BPSK	SA	Front Side	5	374000	1870	1	214	-0.05	0.382	19.31	19.50	1.045	0.399	/
	DSI2			Back Side	5	374000	1870	1	214	0.03	0.651	19.31	19.50	1.045	0.680	/
	DSI2			Front Side	5	374000	1870	108	54	0.05	0.332	18.72	19.50	1.197	0.397	/
	DSI2			Back Side	5	374000	1870	108	54	-0.04	0.568	18.72	19.50	1.197	0.680	/
Hotspot																
Ant.4	DSI5	DFT-s -OFD M BPSK	SA	Front Side	10	374000	1870	1	1	0.09	0.174	17.28	17.50	1.052	0.183	/
	DSI5			Back Side	10	374000	1870	1	1	0.12	0.280	17.28	17.50	1.052	0.295	/
	DSI5			Left Edge	10	374000	1870	1	1	-0.06	0.040	17.28	17.50	1.052	0.042	/
	DSI5			Top Edge	10	374000	1870	1	1	-0.01	0.611	17.28	17.50	1.052	0.643	74#
	DSI5			Front Side	10	374000	1870	108	0	0.01	0.170	17.36	17.50	1.033	0.176	/

	DSI5			Back Side	10	374000	1870	108	0	0.14	0.284	17.36	17.50	1.033	0.293	/
	DSI5			Left Edge	10	374000	1870	108	0	0.03	0.044	17.36	17.50	1.033	0.045	/
	DSI5			Top Edge	10	374000	1870	108	0	0.05	0.544	17.36	17.50	1.033	0.562	/
Ant.1	DSI5	DFT-s -OFD M BPSK	SA	Front Side	10	374000	1870	1	214	-0.14	0.172	19.31	19.50	1.045	0.180	/
	DSI5			Back Side	10	374000	1870	1	214	-0.08	0.312	19.31	19.50	1.045	0.326	/
	DSI5			Left Edge	10	374000	1870	1	214	0.12	0.071	19.31	19.50	1.045	0.074	/
	DSI5			Right Edge	10	374000	1870	1	214	-0.05	0.041	19.31	19.50	1.045	0.043	/
	DSI5			Bottom Edge	10	374000	1870	1	214	0.07	0.574	19.31	19.50	1.045	0.600	/
	DSI5			Front Side	10	374000	1870	108	54	-0.10	0.134	18.72	19.50	1.197	0.160	/
	DSI5			Back Side	10	374000	1870	108	54	0.09	0.209	18.72	19.50	1.197	0.250	/
	DSI5			Left Edge	10	374000	1870	108	54	-0.07	0.050	18.72	19.50	1.197	0.060	/
	DSI5			Right Edge	10	374000	1870	108	54	0.11	0.030	18.72	19.50	1.197	0.036	/
	DSI5			Bottom Edge	10	374000	1870	108	54	-0.11	0.525	18.72	19.50	1.197	0.628	/

Body (Sensor-1)

Ant.4	DSI4	DFT-s -OFD M BPSK	SA	Front Side	9	378000	1890	1	214	-0.07	0.656	21.98	23.00	1.265	0.830	/
	DSI4			Back Side	15	378000	1890	1	214	0.01	0.538	21.98	23.00	1.265	0.681	/
	DSI4			Left Edge	9	378000	1890	1	214	0.03	0.187	21.98	23.00	1.265	0.237	/
	DSI4			Top Edge	15	378000	1890	1	214	-0.02	0.612	21.98	23.00	1.265	0.774	/
	DSI4			Front Side	9	374000	1870	108	54	-0.05	0.663	22.13	23.00	1.222	0.810	/
	DSI4			Back Side	15	374000	1870	108	54	-0.05	0.542	22.13	23.00	1.222	0.662	/
	DSI4			Left Edge	9	374000	1870	108	54	0.05	0.193	22.13	23.00	1.222	0.236	/
	DSI4			Top Edge	15	374000	1870	108	54	0.00	0.596	22.13	23.00	1.222	0.728	/
	DSI4			Front Side	9	374000	1870	1	214	0.15	0.795	21.90	23.00	1.288	1.024	/
	DSI4			Front Side	9	376000	1880	1	1	-0.02	0.629	21.75	23.00	1.334	0.839	/
	DSI4			Front Side	9	376000	1880	108	0	-0.11	0.635	21.80	23.00	1.318	0.837	/
	DSI4			Front Side	9	378000	1890	108	54	-0.01	0.662	22.03	23.00	1.250	0.828	/
	DSI4			Front Side	9	374000	1870	216	0	0.03	0.670	21.96	23.00	1.271	0.852	/
	Ant.1			DSI4	DFT-s -OFD M BPSK	SA	Front Side	9	378000	1890	1	214	0.05	0.481	23.24	24.50
DSI4		Back Side	15	378000			1890	1	214	-0.08	0.407	23.24	24.50	1.337	0.544	/
DSI4		Bottom Edge	15	378000			1890	1	214	0.15	0.763	23.24	24.50	1.337	1.020	/
DSI4		Front Side	9	378000			1890	108	54	-0.03	0.476	23.26	24.50	1.330	0.633	/
DSI4		Back Side	15	378000			1890	108	54	-0.02	0.758	23.26	24.50	1.330	1.008	/
DSI4		Bottom Edge	15	378000			1890	108	54	-0.04	0.463	23.26	24.50	1.330	0.616	/
DSI4		Bottom Edge	15	374000			1870	1	214	0.00	0.724	23.12	24.50	1.374	0.995	/
DSI4		Bottom Edge	15	376000			1880	1	108	-0.12	0.729	23.13	24.50	1.371	0.999	/
DSI4		Bottom Edge	15	374000			1870	108	0	-0.11	0.710	23.18	24.50	1.355	0.962	/
DSI4		Bottom Edge	15	376000			1880	108	108	-0.06	0.692	23.05	24.50	1.396	0.966	/
DSI4		Bottom Edge	15	376000			1880	216	0	-0.04	0.684	23.17	24.50	1.358	0.929	/

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	SA	Front Side	0	374000	1870	1	1	-0.06	0.601	17.28	17.50	1.052	0.632	/
	DSI3			Back Side	0	374000	1870	1	1	-0.02	0.660	17.28	17.50	1.052	0.694	/
	DSI3	-OFD		Top Edge	0	374000	1870	1	1	-0.11	1.500	17.28	17.50	1.052	1.578	75#
	DSI3	M		Front Side	0	374000	1870	108	0	0.15	0.593	17.36	17.50	1.033	0.613	/
	DSI3	BPSK		Back Side	0	374000	1870	108	0	-0.04	0.679	17.36	17.50	1.033	0.701	/
	DSI3			Top Edge	0	374000	1870	108	0	-0.04	1.450	17.36	17.50	1.033	1.498	/
Ant.1	DSI2	DFT-s	SA	Back Side	0	374000	1870	1	1	-0.10	0.860	19.31	19.50	1.045	0.899	/
	DSI2	-OFD		Bottom Edge	0	374000	1870	1	1	0.03	1.450	19.31	19.50	1.045	1.515	/
	DSI2	M		Back Side	0	374000	1870	108	0	-0.07	0.666	18.72	19.50	1.197	0.797	/
	DSI2	BPSK		Bottom Edge	0	374000	1870	108	0	0.04	1.120	18.72	19.50	1.197	1.341	/

12.26 5G n5 (25MHz 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 -OFD M BPSK	SA	Left Cheek	0	167300	836.5	1	1	0.15	0.532	21.96	23.00	1.271	0.676	/
	DSI1			Left Tilt	0	167300	836.5	1	1	0.06	0.405	21.96	23.00	1.271	0.515	/
	DSI1			Right Cheek	0	167300	836.5	1	1	0.01	0.685	21.96	23.00	1.271	0.871	76#
	DSI1			Right Tilt	0	167300	836.5	1	1	0.07	0.569	21.96	23.00	1.271	0.723	/
	DSI1			Left Cheek	0	167300	836.5	64	35	0.09	0.525	22.06	23.00	1.242	0.652	/
	DSI1			Left Tilt	0	167300	836.5	64	35	-0.06	0.410	22.06	23.00	1.242	0.509	/
	DSI1			Right Cheek	0	167300	836.5	64	35	0.04	0.700	22.06	23.00	1.242	0.869	/
	DSI1			Right Tilt	0	167300	836.5	64	35	0.06	0.548	22.06	23.00	1.242	0.681	/
	DSI1			Right Cheek	0	167300	836.5	128	0	-0.04	0.718	22.18	23.00	1.208	0.867	/
Ant.1	DSI1	DFT-s -OFD M BPSK	SA	Left Cheek	0	167300	836.5	1	1	0.11	0.082	24.49	25.50	1.262	0.103	/
	DSI1			Left Tilt	0	167300	836.5	1	1	0.09	0.012	24.49	25.50	1.262	0.015	/
	DSI1			Right Cheek	0	167300	836.5	1	1	0.04	0.109	24.49	25.50	1.262	0.138	/
	DSI1			Right Tilt	0	167300	836.5	1	1	0.12	0.016	24.49	25.50	1.262	0.020	/
	DSI1			Left Cheek	0	167300	836.5	64	35	-0.14	0.075	24.29	25.50	1.321	0.099	/
	DSI1			Left Tilt	0	167300	836.5	64	35	-0.04	0.009	24.29	25.50	1.321	0.012	/
	DSI1			Right Cheek	0	167300	836.5	64	35	-0.14	0.092	24.29	25.50	1.321	0.122	/
	DSI1			Right Tilt	0	167300	836.5	64	35	-0.14	0.014	24.29	25.50	1.321	0.018	/
Body-worn																
Ant.4	DSI3	DFT-s -OFD M BPSK	SA	Front Side	5	167300	836.5	1	67	-0.08	0.396	22.64	23.50	1.219	0.483	/
	DSI3			Back Side	5	167300	836.5	1	67	-0.12	0.760	22.64	23.50	1.219	0.926	77#
	DSI3			Front Side	5	167300	836.5	64	0	-0.07	0.336	22.50	23.50	1.259	0.423	/
	DSI3			Back Side	5	167300	836.5	64	0	0.07	0.703	22.50	23.50	1.259	0.885	/
	DSI3			Back Side	5	167300	836.5	128	0	0.03	0.658	22.49	23.50	1.262	0.830	/
Ant.4	DSI2	DFT-s -OFD M BPSK	SA	Front Side	5	167300	836.5	1	1	-0.05	0.345	22.97	24.00	1.268	0.437	/
	DSI2			Back Side	5	167300	836.5	1	1	-0.12	0.542	22.97	24.00	1.268	0.687	/
	DSI2			Front Side	5	167300	836.5	64	0	-0.06	0.326	22.85	24.00	1.303	0.425	/
	DSI2			Back Side	5	167300	836.5	64	0	0.05	0.508	22.85	24.00	1.303	0.662	/
Hotspot																
Ant.4	DSI5	DFT-s -OFD M BPSK	SA	Front Side	10	167300	836.5	1	1	-0.13	0.204	22.64	23.50	1.219	0.249	/
	DSI5			Back Side	10	167300	836.5	1	1	-0.06	0.295	22.64	23.50	1.219	0.360	78#
	DSI5			Left Edge	10	167300	836.5	1	1	-0.09	0.091	22.64	23.50	1.219	0.111	/
	DSI5			Top Edge	10	167300	836.5	1	1	0.04	0.158	22.64	23.50	1.219	0.193	/
	DSI5			Front Side	10	167300	836.5	64	0	-0.15	0.173	22.50	23.50	1.259	0.218	/
	DSI5			Back Side	10	167300	836.5	64	0	-0.12	0.277	22.50	23.50	1.259	0.349	/
	DSI5			Left Edge	10	167300	836.5	64	0	-0.03	0.068	22.50	23.50	1.259	0.086	/
	DSI5			Top Edge	10	167300	836.5	64	0	0.04	0.131	22.50	23.50	1.259	0.165	/

Ant.1	DSI5	DFT-s -OFD M BPSK	SA	Front Side	10	167300	836.5	1	67	-0.03	0.101	22.97	24.00	1.268	0.128	/
	DSI5			Back Side	10	167300	836.5	1	67	-0.03	0.134	22.97	24.00	1.268	0.170	/
	DSI5			Left Edge	10	167300	836.5	1	67	0.15	0.047	22.97	24.00	1.268	0.060	/
	DSI5			Right Edge	10	167300	836.5	1	67	-0.11	0.033	22.97	24.00	1.268	0.042	/
	DSI5			Bottom Edge	10	167300	836.5	1	67	0.10	0.088	22.97	24.00	1.268	0.112	/
	DSI5			Front Side	10	167300	836.5	64	0	0.15	0.083	22.85	24.00	1.303	0.108	/
	DSI5			Back Side	10	167300	836.5	64	0	0.14	0.109	22.85	24.00	1.303	0.142	/
	DSI5			Left Edge	10	167300	836.5	64	0	0.05	0.041	22.85	24.00	1.303	0.053	/
	DSI5			Right Edge	10	167300	836.5	64	0	0.06	0.027	22.85	24.00	1.303	0.035	/
	DSI5			Bottom Edge	10	167300	836.5	64	0	-0.03	0.071	22.85	24.00	1.303	0.093	/

Body (Sensor-1)

Ant.4	DSI4	DFT-s -OFD M BPSK	SA	Front Side	9	167300	836.5	1	1	0.15	0.312	24.16	25.50	1.361	0.425	/
	DSI4			Back Side	15	167300	836.5	1	1	-0.11	0.176	24.16	25.50	1.361	0.240	/
	DSI4			Left Edge	9	167300	836.5	1	1	0.05	0.113	24.16	25.50	1.361	0.154	/
	DSI4			Top Edge	15	167300	836.5	1	1	-0.09	0.106	24.16	25.50	1.361	0.144	/
	DSI4			Front Side	9	167300	836.5	64	35	0.05	0.308	23.96	25.50	1.426	0.439	/
	DSI4			Back Side	15	167300	836.5	64	35	0.03	0.186	23.96	25.50	1.426	0.265	/
	DSI4			Left Edge	9	167300	836.5	64	35	-0.05	0.110	23.96	25.50	1.426	0.157	/
	DSI4			Top Edge	15	167300	836.5	64	35	-0.02	0.108	23.96	25.50	1.426	0.154	/
Ant.1	DSI4	DFT-s -OFD M BPSK	SA	Front Side	9	167300	836.5	1	1	0.06	0.272	24.49	25.50	1.262	0.343	/
	DSI4			Back Side	15	167300	836.5	1	1	0.09	0.157	24.49	25.50	1.262	0.198	/
	DSI4			Bottom Edge	15	167300	836.5	1	1	-0.09	0.103	24.49	25.50	1.262	0.130	/
	DSI4			Front Side	9	167300	836.5	1	1	-0.05	0.264	24.49	25.50	1.262	0.333	/
	DSI4			Back Side	15	167300	836.5	1	1	-0.09	0.154	24.49	25.50	1.262	0.194	/
	DSI4			Bottom Edge	15	167300	836.5	1	1	0.06	0.102	24.49	25.50	1.262	0.129	/

12.27 5G n7 (50MHz 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	509000	2545	1	1	0.14	0.629	17.48	18.00	1.127	0.709	/
	DSI1			Left Tilt	0	509000	2545	1	1	-0.07	0.680	17.48	18.00	1.127	0.766	/
	DSI1			Right Cheek	0	509000	2545	1	1	0.04	0.741	17.48	18.00	1.127	0.835	/
	DSI1			Right Tilt	0	509000	2545	1	1	-0.03	0.898	17.48	18.00	1.127	1.012	79#
	DSI1			Left Cheek	0	507000	2535	135	0	-0.07	0.631	17.51	18.00	1.119	0.706	/
	DSI1			Left Tilt	0	507000	2535	135	0	-0.04	0.682	17.51	18.00	1.119	0.763	/
	DSI1			Right Cheek	0	507000	2535	135	0	-0.02	0.718	17.51	18.00	1.119	0.803	/
	DSI1			Right Tilt	0	507000	2535	135	0	0.11	0.845	17.51	18.00	1.119	0.946	/
	DSI1			Right Cheek	0	505000	2525	1	1	0.10	0.668	17.40	18.00	1.148	0.767	/
	DSI1			Right Cheek	0	507000	2535	1	1	0.07	0.638	17.26	18.00	1.186	0.757	/
	DSI1			Right Cheek	0	505000	2525	135	0	-0.02	0.671	17.40	18.00	1.148	0.770	/
	DSI1			Right Cheek	0	509000	2545	135	135	0.02	0.659	17.36	18.00	1.159	0.764	/
	DSI1			Right Cheek	0	505000	2525	270	0	-0.03	0.635	17.46	18.00	1.132	0.719	/
	DSI1			Right Tilt	0	505000	2525	1	1	0.00	0.836	17.40	18.00	1.148	0.960	/
	DSI1			Right Tilt	0	507000	2535	1	1	-0.08	0.806	17.26	18.00	1.186	0.956	/
	DSI1			Right Tilt	0	505000	2525	135	0	-0.13	0.854	17.40	18.00	1.148	0.980	/
	DSI1			Right Tilt	0	509000	2545	135	135	0.14	0.820	17.36	18.00	1.159	0.950	/
	DSI1			Right Tilt	0	505000	2525	270	0	0.00	0.835	17.46	18.00	1.132	0.945	/
Ant.3	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	509000	2545	1	1	-0.05	0.286	21.41	22.50	1.285	0.368	/
	DSI1			Left Tilt	0	509000	2545	1	1	0.06	0.113	21.41	22.50	1.285	0.145	/
	DSI1			Right Cheek	0	509000	2545	1	1	-0.04	0.542	21.41	22.50	1.285	0.696	/
	DSI1			Right Tilt	0	509000	2545	1	1	0.03	0.224	21.41	22.50	1.285	0.288	/
	DSI1			Left Cheek	0	505000	2525	135	68	0.08	0.210	21.30	22.50	1.318	0.277	/
	DSI1			Left Tilt	0	505000	2525	135	68	-0.05	0.083	21.30	22.50	1.318	0.109	/
	DSI1			Right Cheek	0	505000	2525	135	68	0.12	0.515	21.30	22.50	1.318	0.679	/
	DSI1			Right Tilt	0	505000	2525	135	68	0.03	0.168	21.30	22.50	1.318	0.221	/
Ant.1	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	505000	2525	1	135	-0.15	0.179	25.08	25.50	1.102	0.197	/
	DSI1			Left Tilt	0	505000	2525	1	135	-0.09	0.013	25.08	25.50	1.102	0.014	/
	DSI1			Right Cheek	0	505000	2525	1	135	-0.05	0.089	25.08	25.50	1.102	0.098	/
	DSI1			Right Tilt	0	505000	2525	1	135	-0.07	0.026	25.08	25.50	1.102	0.029	/
	DSI1			Left Cheek	0	505000	2525	135	68	-0.11	0.151	25.03	25.50	1.114	0.168	/
	DSI1			Left Tilt	0	505000	2525	135	68	0.05	0.009	25.03	25.50	1.114	0.010	/
	DSI1			Right Cheek	0	505000	2525	135	68	0.12	0.073	25.03	25.50	1.114	0.081	/
	DSI1			Right Tilt	0	505000	2525	135	68	-0.09	0.018	25.03	25.50	1.114	0.020	/
Body-worn																
Ant.4	DSI3	DFT-	SA	Front Side	5	509000	2545	1	1	0.05	0.327	16.42	17.00	1.143	0.374	/

	DSI3	s-OF		Back Side	5	509000	2545	1	1	0.09	0.657	16.42	17.00	1.143	0.751	80#
	DSI3	DM		Front Side	5	507000	2535	135	135	0.10	0.315	16.46	17.00	1.132	0.357	/
	DSI3	BPSK		Back Side	5	507000	2535	135	135	-0.02	0.626	16.46	17.00	1.132	0.709	/
Ant.3	DSI3	DFT-	SA	Front Side	5	507000	2535	1	135	0.15	0.125	15.26	16.00	1.186	0.148	/
	DSI3	s-OF		Back Side	5	507000	2535	1	135	0.01	0.523	15.26	16.00	1.186	0.620	/
	DSI3	DM		Front Side	5	509000	2545	135	135	0.06	0.121	15.25	16.00	1.189	0.144	/
	DSI3	BPSK		Back Side	5	509000	2545	135	135	-0.13	0.511	15.25	16.00	1.189	0.608	/
Ant.1	DSI2	DFT-	SA	Front Side	5	507000	2535	1	268	-0.08	0.225	19.14	20.00	1.219	0.274	/
	DSI2	s-OF		Back Side	5	507000	2535	1	268	-0.02	0.312	19.14	20.00	1.219	0.380	/
	DSI2	DM		Front Side	5	509000	2545	135	68	-0.14	0.202	19.42	20.00	1.143	0.231	/
	DSI2	BPSK		Back Side	5	509000	2545	135	68	0.11	0.289	19.42	20.00	1.143	0.330	/

Hotspot

Ant.4	DSI5	DFT- s-OF DM BPSK	SA	Front Side	10	509000	2545	1	1	-0.14	0.105	17.48	18.00	1.127	0.118	/
	DSI5			Back Side	10	509000	2545	1	1	-0.08	0.196	17.48	18.00	1.127	0.221	/
	DSI5			Left Edge	10	509000	2545	1	1	-0.06	0.057	17.48	18.00	1.127	0.064	/
	DSI5			Top Edge	10	509000	2545	1	1	-0.04	0.269	17.48	18.00	1.127	0.303	/
	DSI5			Front Side	10	507000	2535	135	0	0.01	0.102	17.51	18.00	1.119	0.114	/
	DSI5			Back Side	10	507000	2535	135	0	0.12	0.196	17.51	18.00	1.119	0.219	/
	DSI5			Left Edge	10	507000	2535	135	0	0.03	0.060	17.51	18.00	1.119	0.067	/
	DSI5			Top Edge	10	507000	2535	135	0	-0.02	0.339	17.51	18.00	1.119	0.379	81#
Ant.3	DSI5	DFT- s-OF DM BPSK	SA	Front Side	10	507000	2535	1	135	-0.09	0.043	15.26	16.00	1.186	0.051	/
	DSI5			Back Side	10	507000	2535	1	135	-0.11	0.258	15.26	16.00	1.186	0.306	/
	DSI5			Left Edge	10	507000	2535	1	135	-0.11	0.317	15.26	16.00	1.186	0.376	/
	DSI5			Front Side	10	509000	2545	135	135	0.13	0.042	15.25	16.00	1.189	0.050	/
	DSI5			Back Side	10	509000	2545	135	135	0.09	0.242	15.25	16.00	1.189	0.288	/
	DSI5			Left Edge	10	509000	2545	135	135	-0.05	0.308	15.25	16.00	1.189	0.366	/
Ant.1	DSI5	DFT- s-OF DM BPSK	SA	Front Side	10	507000	2535	1	1	-0.15	0.215	19.14	20.00	1.219	0.262	/
	DSI5			Back Side	10	507000	2535	1	1	-0.05	0.199	19.14	20.00	1.219	0.243	/
	DSI5			Left Edge	10	507000	2535	1	1	-0.10	0.054	19.14	20.00	1.219	0.066	/
	DSI5			Right Edge	10	507000	2535	1	1	0.10	0.036	19.14	20.00	1.219	0.044	/
	DSI5			Bottom Edge	10	507000	2535	1	1	-0.10	0.302	19.14	20.00	1.219	0.368	/
	DSI5			Front Side	10	509000	2545	135	68	0.07	0.162	19.42	20.00	1.143	0.185	/
	DSI5			Back Side	10	509000	2545	135	68	0.01	0.140	19.42	20.00	1.143	0.160	/
	DSI5			Left Edge	10	509000	2545	135	68	-0.01	0.039	19.42	20.00	1.143	0.045	/
	DSI5			Right Edge	10	509000	2545	135	68	0.14	0.028	19.42	20.00	1.143	0.032	/
	DSI5			Bottom Edge	10	509000	2545	135	68	0.15	0.279	19.42	20.00	1.143	0.319	/

Body (Sensor-1)

Ant.4	DSI4	DFT- s-OF DM BPSK	SA	Front Side	9	505000	2525	1	135	-0.14	0.648	23.39	25.00	1.449	0.939	/
	DSI4			Back Side	15	505000	2525	1	135	0.14	0.546	23.39	25.00	1.449	0.791	/
	DSI4			Left Edge	9	505000	2525	1	135	0.02	0.302	23.39	25.00	1.449	0.438	/
	DSI4			Top Edge	15	505000	2525	1	135	-0.06	0.752	23.39	25.00	1.449	1.090	/
	DSI4			Front Side	9	507000	2535	135	0	0.04	0.685	24.20	25.00	1.202	0.823	/
	DSI4			Back Side	15	507000	2535	135	0	-0.12	0.574	24.20	25.00	1.202	0.690	/

	DSI4			Left Edge	9	507000	2535	135	0	0.01	0.318	24.20	25.00	1.202	0.382	/
	DSI4			Top Edge	15	507000	2535	135	0	0.08	0.782	24.20	25.00	1.202	0.940	/
	DSI4			Front Side	9	507000	2535	1	135	0.01	0.584	23.29	25.00	1.483	0.866	/
	DSI4			Front Side	9	509000	2545	1	135	-0.10	0.571	23.19	25.00	1.517	0.866	/
	DSI4			Front Side	9	507000	2535	135	0	-0.01	0.566	24.07	25.00	1.239	0.701	/
	DSI4			Front Side	9	509000	2545	135	0	0.11	0.570	24.07	25.00	1.239	0.706	/
	DSI4			Front Side	9	509000	2545	270	0	0.07	0.562	23.28	25.00	1.486	0.835	/
	DSI4			Top Edge	15	507000	2535	1	135	0.00	0.730	23.29	25.00	1.483	1.083	/
	DSI4			Top Edge	15	509000	2545	1	135	0.11	0.711	23.19	25.00	1.517	1.079	/
	DSI4			Top Edge	15	507000	2535	135	0	-0.12	0.725	24.07	25.00	1.239	0.898	/
	DSI4			Top Edge	15	509000	2545	135	0	0.02	0.730	24.07	25.00	1.239	0.904	/
	DSI4			Top Edge	15	509000	2545	270	0	0.02	0.706	23.28	25.00	1.486	1.049	/
	Ant.1			DSI4	DFT- s-OF DM BPSK	SA	Front Side	9	505000	2525	1	135	0.11	0.837	25.08	25.50
DSI4		Back Side	15	505000			2525	1	135	-0.02	0.381	25.08	25.50	1.102	0.420	/
DSI4		Bottom Edge	15	505000			2525	1	135	-0.12	0.508	25.08	25.50	1.102	0.560	/
DSI4		Front Side	9	505000			2525	135	68	0.09	0.801	25.03	25.50	1.114	0.892	/
DSI4		Back Side	15	505000			2525	135	68	0.09	0.376	25.03	25.50	1.114	0.419	/
DSI4		Bottom Edge	15	505000			2525	135	68	0.02	0.501	25.03	25.50	1.114	0.558	/
DSI4		Front Side	9	507000			2535	1	268	0.02	0.956	24.92	25.50	1.143	1.093	/
DSI4		Front Side	9	509000			2545	1	135	0.14	0.759	25.07	25.50	1.104	0.838	/
DSI4		Front Side	9	507000			2535	1	268	0.06	0.906	24.82	25.50	1.169	1.059	/
DSI4		Front Side	9	509000			2545	1	135	0.09	0.885	24.99	25.50	1.125	0.996	/
DSI4		Front Side	9	505000			2525	270	0	-0.08	0.883	23.95	24.50	1.135	1.002	/

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	SA	Back Side	0	509000	2545	1	1	-0.07	0.485	16.42	17.00	1.143	0.554	/
	DSI3	-OFD		Top Edge	0	509000	2545	1	1	0.07	1.230	16.42	17.00	1.143	1.406	82#
	DSI3	M		Back Side	0	507000	2535	135	135	0.02	0.474	16.46	17.00	1.132	0.537	/
	DSI3	BPSK		Top Edge	0	507000	2535	135	135	0.03	1.150	16.46	17.00	1.132	1.302	/
Ant.1	DSI2	DFT-s	SA	Bottom Edge	0	507000	2535	1	1	-0.03	0.359	19.14	20.00	1.219	0.438	/
	DSI2	-OFD M BPSK		Bottom Edge	0	509000	2545	135	68	-0.13	0.320	19.42	20.00	1.143	0.366	/

12.28 5G n12 (15MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g 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	141300	706.5	1	40	-0.14	0.433	24.17	25.50	1.358	0.588	/
	DSI1			Left Tilt	0	141300	706.5	1	40	-0.14	0.367	24.17	25.50	1.358	0.498	/
	DSI1			Right Cheek	0	141300	706.5	1	40	-0.01	0.614	24.17	25.50	1.358	0.834	/
	DSI1			Right Tilt	0	141300	706.5	1	40	0.15	0.508	24.17	25.50	1.358	0.690	/
	DSI1			Left Cheek	0	141500	707.5	36	22	0.05	0.425	24.13	25.50	1.371	0.583	/
	DSI1			Left Tilt	0	141500	707.5	36	22	-0.04	0.359	24.13	25.50	1.371	0.492	/
	DSI1			Right Cheek	0	141500	707.5	36	22	-0.10	0.608	24.13	25.50	1.371	0.834	/
	DSI1			Right Tilt	0	141500	707.5	36	22	-0.03	0.510	24.13	25.50	1.371	0.699	/
	DSI1			Right Cheek	0	141500	707.5	1	40	0.01	0.605	23.88	25.50	1.452	0.878	/
	DSI1			Right Cheek	0	141700	708.5	1	1	0.01	0.626	24.02	25.50	1.406	0.880	83#
	DSI1			Right Cheek	0	141300	706.5	36	22	-0.06	0.574	23.68	25.50	1.521	0.873	/
	DSI1			Right Cheek	0	141700	708.5	36	22	0.03	0.602	23.90	25.50	1.445	0.870	/
	DSI1			Right Cheek	0	141300	706.5	75	0	0.05	0.590	22.99	24.50	1.416	0.835	/
	Ant.1			DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	141500	707.5	1	40	0.07	0.026	24.40	25.50
DSI1		Left Tilt	0	141500			707.5	1	40	-0.02	0.011	24.40	25.50	1.288	0.014	/
DSI1		Right Cheek	0	141500			707.5	1	40	-0.12	0.029	24.40	25.50	1.288	0.037	/
DSI1		Right Tilt	0	141500			707.5	1	40	0.06	0.013	24.40	25.50	1.288	0.017	/
DSI1		Left Cheek	0	141300			706.5	36	22	0.13	0.023	24.36	25.50	1.300	0.030	/
DSI1		Left Tilt	0	141300			706.5	36	22	0.04	0.010	24.36	25.50	1.300	0.013	/
DSI1		Right Cheek	0	141300			706.5	36	22	-0.13	0.026	24.36	25.50	1.300	0.034	/
DSI1		Right Tilt	0	141300			706.5	36	22	0.01	0.012	24.36	25.50	1.300	0.016	/
Body-worn																
Ant.4	DSI3	DFT-s-OFDM BPSK	SA	Front Side	5	141300	706.5	1	40	0.13	0.201	24.17	25.50	1.358	0.273	/
	DSI3			Back Side	5	141300	706.5	1	40	-0.02	0.447	24.17	25.50	1.358	0.607	84#
	DSI3			Front Side	5	141500	707.5	36	22	-0.10	0.188	24.13	25.50	1.371	0.258	/
	DSI3			Back Side	5	141500	707.5	36	22	0.09	0.437	24.13	25.50	1.371	0.599	/
Ant.1	DSI2	DFT-s-OFDM BPSK	SA	Front Side	5	141500	707.5	1	40	0.12	0.128	24.40	25.50	1.288	0.165	/
	DSI2			Back Side	5	141500	707.5	1	40	-0.13	0.180	24.40	25.50	1.288	0.232	/
	DSI2			Front Side	5	141300	706.5	36	22	0.07	0.115	24.36	25.50	1.300	0.150	/
	DSI2			Back Side	5	141300	706.5	36	22	0.07	0.174	24.36	25.50	1.300	0.226	/
Hotspot																
Ant.4	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	141300	706.5	1	40	0.13	0.116	24.17	25.50	1.358	0.158	/
	DSI5			Back Side	10	141300	706.5	1	40	-0.09	0.176	24.17	25.50	1.358	0.239	85#
	DSI5			Left Edge	10	141300	706.5	1	40	-0.05	0.077	24.17	25.50	1.358	0.105	/
	DSI5			Top Edge	10	141300	706.5	1	40	-0.10	0.121	24.17	25.50	1.358	0.164	/
	DSI5			Front Side	10	141500	707.5	36	22	0.01	0.096	24.13	25.50	1.371	0.132	/

	DSI5			Back Side	10	141500	707.5	36	22	-0.15	0.155	24.13	25.50	1.371	0.213	/
	DSI5			Left Edge	10	141500	707.5	36	22	-0.01	0.062	24.13	25.50	1.371	0.085	/
	DSI5			Top Edge	10	141500	707.5	36	22	0.04	0.098	24.13	25.50	1.371	0.134	/
Ant.1	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	141500	707.5	1	40	-0.10	0.088	24.40	25.50	1.288	0.113	/
	DSI5			Back Side	10	141500	707.5	1	40	0.08	0.124	24.40	25.50	1.288	0.160	/
	DSI5			Left Edge	10	141500	707.5	1	40	-0.04	0.087	24.40	25.50	1.288	0.112	/
	DSI5			Right Edge	10	141500	707.5	1	40	-0.10	0.118	24.40	25.50	1.288	0.152	/
	DSI5			Bottom Edge	10	141500	707.5	1	40	0.07	0.096	24.40	25.50	1.288	0.124	/
	DSI5			Front Side	10	141300	706.5	36	22	-0.10	0.086	24.36	25.50	1.300	0.112	/
	DSI5			Back Side	10	141300	706.5	36	22	-0.13	0.117	24.36	25.50	1.300	0.152	/
	DSI5			Left Edge	10	141300	706.5	36	22	0.02	0.075	24.36	25.50	1.300	0.098	/
	DSI5			Right Edge	10	141300	706.5	36	22	0.09	0.113	24.36	25.50	1.300	0.147	/
	DSI5			Bottom Edge	10	141300	706.5	36	22	-0.06	0.089	24.36	25.50	1.300	0.116	/

12.29 5G n26 (30MHz 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	SA	Left Cheek	0	166300	831.5	1	1	-0.10	0.542	22.14	23.00	1.219	0.661	/
	DSI1			Left Tilt	0	166300	831.5	1	1	-0.15	0.409	22.14	23.00	1.219	0.499	/
	DSI1			Right Cheek	0	166300	831.5	1	1	-0.08	0.701	22.14	23.00	1.219	0.855	/
	DSI1			Right Tilt	0	166300	831.5	1	1	0.08	0.543	22.14	23.00	1.219	0.662	/
	DSI1			Left Cheek	0	166300	831.5	80	80	0.06	0.528	22.20	23.00	1.202	0.635	/
	DSI1			Left Tilt	0	166300	831.5	80	80	-0.01	0.395	22.20	23.00	1.202	0.475	/
	DSI1			Right Cheek	0	166300	831.5	80	80	0.12	0.694	22.20	23.00	1.202	0.834	/
	DSI1			Right Tilt	0	166300	831.5	80	80	0.03	0.515	22.20	23.00	1.202	0.619	/
	DSI1			Right Cheek	0	165800	829	1	80	0.13	0.686	21.96	23.00	1.271	0.872	/
	DSI1			Right Cheek	0	166800	834	1	1	-0.06	0.771	22.02	23.00	1.253	0.966	86#
	DSI1			Right Cheek	0	165800	829	80	80	0.08	0.631	22.16	23.00	1.213	0.765	/
	DSI1			Right Cheek	0	166800	834	80	80	0.11	0.715	22.18	23.00	1.208	0.864	/
	DSI1			Right Cheek	0	165800	829	160	0	-0.03	0.702	22.05	23.00	1.245	0.874	/
Ant.1	DSI1	DFT-s-OFDM	SA	Left Cheek	0	166300	831.5	1	158	-0.03	0.047	24.58	25.50	1.236	0.058	/
	DSI1			Left Tilt	0	166300	831.5	1	158	-0.02	0.013	24.58	25.50	1.236	0.016	/
	DSI1			Right Cheek	0	166300	831.5	1	158	-0.08	0.060	24.58	25.50	1.236	0.074	/
	DSI1			Right Tilt	0	166300	831.5	1	158	-0.09	0.011	24.58	25.50	1.236	0.014	/
	DSI1			Left Cheek	0	165800	829	80	40	0.11	0.040	24.39	25.50	1.291	0.052	/
	DSI1			Left Tilt	0	165800	829	80	40	-0.10	0.009	24.39	25.50	1.291	0.012	/
	DSI1			Right Cheek	0	165800	829	80	40	0.01	0.052	24.39	25.50	1.291	0.067	/
	DSI1			Right Tilt	0	165800	829	80	40	-0.07	0.007	24.39	25.50	1.291	0.009	/
	DSI1			Right Cheek	0	165800	829	80	40	-0.07	0.007	24.39	25.50	1.291	0.009	/
Body-worn																
Ant.4	DSI3	DFT-s-OFDM	SA	Front Side	5	165800	829	1	1	-0.04	0.335	22.63	23.50	1.222	0.409	/
	DSI3			Back Side	5	165800	829	1	1	-0.01	0.636	22.63	23.50	1.222	0.777	87#
	DSI3			Front Side	5	165800	829	80	80	0.04	0.291	22.88	23.50	1.153	0.336	/
	DSI3			Back Side	5	165800	829	80	80	-0.05	0.586	22.88	23.50	1.153	0.676	/
Ant.1	DSI2	DFT-s-OFDM	SA	Front Side	5	165800	829	1	158	-0.06	0.290	23.45	24.00	1.135	0.329	/
	DSI2			Back Side	5	165800	829	1	158	0.02	0.414	23.45	24.00	1.135	0.470	/
	DSI2			Front Side	5	165800	829	80	0	0.08	0.262	23.57	24.00	1.104	0.289	/
	DSI2			Back Side	5	165800	829	80	0	-0.14	0.358	23.57	24.00	1.104	0.395	/
Hotspot																
Ant.4	DSI5	DFT-s-OFDM	SA	Front Side	10	165800	829	1	1	0.04	0.162	22.63	23.50	1.222	0.198	/
	DSI5			Back Side	10	165800	829	1	1	-0.04	0.257	22.63	23.50	1.222	0.314	/
	DSI5			Left Edge	10	165800	829	1	1	0.13	0.070	22.63	23.50	1.222	0.086	/
	DSI5			Top Edge	10	165800	829	1	1	-0.10	0.144	22.63	23.50	1.222	0.176	/
	DSI5			Front Side	10	165800	829	80	80	0.05	0.150	22.88	23.50	1.153	0.173	/

	DSI5			Back Side	10	165800	829	80	80	-0.13	0.275	22.88	23.50	1.153	0.317	88#
	DSI5			Left Edge	10	165800	829	80	80	-0.08	0.065	22.88	23.50	1.153	0.075	/
	DSI5			Top Edge	10	165800	829	80	80	0.15	0.143	22.88	23.50	1.153	0.165	/
Ant.1	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	165800	829	1	158	0.10	0.056	23.45	24.00	1.135	0.064	/
	DSI5			Back Side	10	165800	829	1	158	-0.11	0.088	23.45	24.00	1.135	0.100	/
	DSI5			Left Edge	10	165800	829	1	158	0.13	0.012	23.45	24.00	1.135	0.014	/
	DSI5			Right Edge	10	165800	829	1	158	0.11	0.035	23.45	24.00	1.135	0.040	/
	DSI5			Bottom Edge	10	165800	829	1	158	-0.03	0.097	23.45	24.00	1.135	0.110	/
	DSI5			Front Side	10	165800	829	80	0	-0.14	0.064	23.57	24.00	1.104	0.071	/
	DSI5			Back Side	10	165800	829	80	0	0.06	0.104	23.57	24.00	1.104	0.115	/
	DSI5			Left Edge	10	165800	829	80	0	0.14	0.009	23.57	24.00	1.104	0.010	/
	DSI5			Right Edge	10	165800	829	80	0	0.01	0.036	23.57	24.00	1.104	0.040	/
	DSI5			Bottom Edge	10	165800	829	80	0	0.15	0.122	23.57	24.00	1.104	0.135	/

Body (Sensor-1)

Ant.4	DSI4	DFT-s-OFDM BPSK	SA	Front Side	9	166300	831.5	1	1	-0.04	0.346	24.12	25.50	1.374	0.475	/
	DSI4			Back Side	15	166300	831.5	1	1	0.01	0.218	24.12	25.50	1.374	0.300	/
	DSI4			Left Edge	9	166300	831.5	1	1	-0.02	0.171	24.12	25.50	1.374	0.235	/
	DSI4			Top Edge	15	166300	831.5	1	1	0.06	0.110	24.12	25.50	1.374	0.151	/
	DSI4			Front Side	9	166300	831.5	80	40	-0.01	0.352	23.99	25.50	1.416	0.498	/
	DSI4			Back Side	15	166300	831.5	80	40	0.02	0.220	23.99	25.50	1.416	0.312	/
	DSI4			Left Edge	9	166300	831.5	80	40	-0.03	0.165	23.99	25.50	1.416	0.234	/
	DSI4			Top Edge	15	165800	829	80	40	-0.03	0.104	23.99	25.50	1.416	0.147	/
Ant.1	DSI4	DFT-s-OFDM BPSK	SA	Front Side	9	166300	831.5	1	158	-0.01	0.243	24.58	25.50	1.236	0.300	/
	DSI4			Back Side	15	166300	831.5	1	158	-0.11	0.124	24.58	25.50	1.236	0.153	/
	DSI4			Bottom Edge	15	166300	831.5	1	158	-0.09	0.071	24.58	25.50	1.236	0.088	/
	DSI4			Front Side	9	165800	829	80	40	0.05	0.246	24.39	25.50	1.291	0.318	/
	DSI4			Back Side	15	165800	829	80	40	0.09	0.128	24.39	25.50	1.291	0.165	/
	DSI4			Bottom Edge	15	165800	829	80	40	-0.02	0.070	24.39	25.50	1.291	0.090	/

12.30 5G n66 (45MHz 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	349000	1745	1	241	0.12	0.490	15.82	16.50	1.169	0.573	/
	DSI1			Left Tilt	0	349000	1745	1	241	-0.02	0.577	15.82	16.50	1.169	0.675	/
	DSI1			Right Cheek	0	349000	1745	1	241	-0.12	0.663	15.82	16.50	1.169	0.775	/
	DSI1			Right Tilt	0	349000	1745	1	241	-0.15	0.808	15.82	16.50	1.169	0.945	/
	DSI1			Left Cheek	0	349000	1745	121	121	0.06	0.465	15.88	16.50	1.153	0.536	/
	DSI1			Left Tilt	0	349000	1745	121	121	-0.15	0.543	15.88	16.50	1.153	0.626	/
	DSI1			Right Cheek	0	349000	1745	121	121	-0.10	0.618	15.88	16.50	1.153	0.713	/
	DSI1			Right Tilt	0	349000	1745	121	121	0.03	0.748	15.88	16.50	1.153	0.862	/
	DSI1			Right Tilt	0	346500	1732.5	1	121	0.01	0.866	15.75	16.50	1.189	1.030	89#
	DSI1			Right Tilt	0	351500	1757.5	1	1	-0.08	0.746	15.52	16.50	1.253	0.935	/
	DSI1			Right Tilt	0	346500	1732.5	121	0	0.03	0.771	15.66	16.50	1.213	0.935	/
	DSI1			Right Tilt	0	351500	1757.5	121	121	0.06	0.708	15.72	16.50	1.197	0.847	/
	DSI1			Right Tilt	0	346500	1732.5	216	0	-0.06	0.729	15.92	16.50	1.143	0.833	/
Ant.3	DSI1	DFT-s-OFDM BPSK	NSA	Left Cheek	0	349000	1745	1	121	-0.08	0.278	21.73	23.00	1.340	0.373	/
	DSI1			Left Tilt	0	349000	1745	1	121	0.15	0.126	21.73	23.00	1.340	0.169	/
	DSI1			Right Cheek	0	349000	1745	1	121	-0.14	0.449	21.73	23.00	1.340	0.602	/
	DSI1			Right Tilt	0	349000	1745	1	121	0.12	0.158	21.73	23.00	1.340	0.212	/
	DSI1			Left Cheek	0	349000	1745	121	0	-0.07	0.223	21.85	23.00	1.303	0.291	/
	DSI1			Left Tilt	0	349000	1745	121	0	0.03	0.106	21.85	23.00	1.303	0.138	/
	DSI1			Right Cheek	0	349000	1745	121	0	0.00	0.425	21.85	23.00	1.303	0.554	/
	DSI1			Right Tilt	0	349000	1745	121	0	0.08	0.130	21.85	23.00	1.303	0.169	/
Ant.1	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	349000	1745	1	1	-0.06	0.132	24.70	25.50	1.202	0.159	/
	DSI1			Left Tilt	0	349000	1745	1	1	0.13	0.068	24.70	25.50	1.202	0.082	/
	DSI1			Right Cheek	0	349000	1745	1	1	0.09	0.108	24.70	25.50	1.202	0.130	/
	DSI1			Right Tilt	0	349000	1745	1	1	-0.08	0.051	24.70	25.50	1.202	0.061	/
	DSI1			Left Cheek	0	349000	1745	121	60	0.08	0.113	24.48	25.50	1.265	0.143	/
	DSI1			Left Tilt	0	349000	1745	121	60	-0.03	0.062	24.48	25.50	1.265	0.078	/
	DSI1			Right Cheek	0	349000	1745	121	60	-0.05	0.092	24.48	25.50	1.265	0.116	/
	DSI1			Right Tilt	0	349000	1745	121	60	-0.04	0.043	24.48	25.50	1.265	0.054	/
Body-worn																
Ant.4	DSI3	DFT-s-OFDM BPSK	SA	Front Side	5	346500	1732.5	1	121	0.04	0.271	14.80	15.50	1.175	0.318	/
	DSI3			Back Side	5	346500	1732.5	1	121	-0.01	0.416	14.80	15.50	1.175	0.489	/
	DSI3			Front Side	5	349000	1745	121	60	0.03	0.268	14.80	15.50	1.175	0.315	/
	DSI3			Back Side	5	349000	1745	121	60	0.12	0.410	14.80	15.50	1.175	0.482	/
Ant.3	DSI3	DFT-s-OFDM	NSA	Front Side	5	349000	1745	1	241	0.02	0.128	15.81	16.50	1.172	0.150	/
	DSI3			Back Side	5	349000	1745	1	241	-0.04	0.531	15.81	16.50	1.172	0.622	/

	DSI3	BPSK		Front Side	5	349000	1745	121	0	0.11	0.121	15.86	16.50	1.159	0.140	/	
	DSI3			Back Side	5	349000	1745	121	0	0.03	0.508	15.86	16.50	1.159	0.589	/	
Ant.1	DSI2	DFT-s-	SA	Front Side	5	351500	1757.5	1	121	0.07	0.339	18.69	19.50	1.205	0.408	/	
	DSI2			Back Side	5	351500	1757.5	1	121	-0.01	0.631	18.69	19.50	1.205	0.760	90#	
	DSI2	OFDM		Front Side	5	346500	1732.5	121	121	0.12	0.312	18.89	19.50	1.151	0.359	/	
	DSI2			BPSK	Back Side	5	346500	1732.5	121	121	0.09	0.597	18.89	19.50	1.151	0.687	/
Hotspot																	
Ant.4	DSI5	DFT-s-	SA	Front Side	10	346500	1732.5	1	121	-0.13	0.123	14.80	15.50	1.175	0.145	/	
	DSI5			Back Side	10	346500	1732.5	1	121	-0.08	0.172	14.80	15.50	1.175	0.202	/	
	DSI5			OFDM	Left Edge	10	346500	1732.5	1	121	0.03	0.026	14.80	15.50	1.175	0.031	/
	DSI5				Top Edge	10	346500	1732.5	1	121	-0.06	0.283	14.80	15.50	1.175	0.333	/
	DSI5			BPSK	Front Side	10	349000	1745	121	60	-0.08	0.116	14.80	15.50	1.175	0.136	/
	DSI5				Back Side	10	349000	1745	121	60	-0.08	0.180	14.80	15.50	1.175	0.212	/
	DSI5				Left Edge	10	349000	1745	121	60	0.15	0.026	14.80	15.50	1.175	0.031	/
	DSI5				Top Edge	10	349000	1745	121	60	0.08	0.275	14.80	15.50	1.175	0.323	/
Ant.3	DSI5	DFT-s-	NSA	Front Side	10	349000	1745	1	241	-0.02	0.058	15.81	16.50	1.172	0.068	/	
	DSI5			Back Side	10	349000	1745	1	241	0.03	0.201	15.81	16.50	1.172	0.236	/	
	DSI5			OFDM	Left Edge	10	349000	1745	1	241	0.11	0.129	15.81	16.50	1.172	0.151	/
	DSI5				Front Side	10	349000	1745	121	0	-0.08	0.053	15.86	16.50	1.159	0.061	/
	DSI5			BPSK	Back Side	10	349000	1745	121	0	0.04	0.192	15.86	16.50	1.159	0.223	/
	DSI5				Left Edge	10	349000	1745	121	0	0.10	0.130	15.86	16.50	1.159	0.151	/
Ant.1	DSI5	DFT-s-	SA	Front Side	10	351500	1757.5	1	121	-0.15	0.156	18.69	19.50	1.205	0.188	/	
	DSI5			Back Side	10	351500	1757.5	1	121	0.12	0.333	18.69	19.50	1.205	0.401	/	
	DSI5			OFDM	Left Edge	10	351500	1757.5	1	121	-0.09	0.042	18.69	19.50	1.205	0.051	/
	DSI5				Right Edge	10	351500	1757.5	1	121	0.01	0.021	18.69	19.50	1.205	0.025	/
	DSI5			Bottom Edge	10	351500	1757.5	1	121	0.04	0.474	18.69	19.50	1.205	0.571	91#	
	DSI5			BPSK	Front Side	10	346500	1732.5	121	121	0.10	0.153	18.89	19.50	1.151	0.176	/
	DSI5				Back Side	10	346500	1732.5	121	121	0.15	0.315	18.89	19.50	1.151	0.363	/
	DSI5				Left Edge	10	346500	1732.5	121	121	-0.09	0.039	18.89	19.50	1.151	0.045	/
	DSI5				Right Edge	10	346500	1732.5	121	121	-0.07	0.019	18.89	19.50	1.151	0.022	/
	DSI5				Bottom Edge	10	346500	1732.5	121	121	0.02	0.452	18.89	19.50	1.151	0.520	/
	Body (Sensor-1)																
Ant.4	DSI4	DFT-s-	SA	Front Side	9	349000	1745	1	121	0.04	0.692	21.22	22.50	1.343	0.929	/	
	DSI4			Back Side	15	349000	1745	1	121	-0.11	0.508	21.22	22.50	1.343	0.682	/	
	DSI4			OFDM	Left Edge	9	349000	1745	1	121	0.03	0.093	21.22	22.50	1.343	0.125	/
	DSI4				Top Edge	15	349000	1745	1	121	0.04	0.592	21.22	22.50	1.343	0.795	/
	DSI4			BPSK	Front Side	9	349000	1745	121	0	0.02	0.675	21.31	22.50	1.315	0.888	/
	DSI4				Back Side	15	349000	1745	121	0	0.09	0.496	21.31	22.50	1.315	0.652	/
	DSI4				Left Edge	9	349000	1745	121	0	-0.08	0.092	21.31	22.50	1.315	0.121	/
	DSI4				Top Edge	15	349000	1745	121	0	0.11	0.585	21.31	22.50	1.315	0.769	/
	DSI4				Front Side	9	346500	1732.5	1	121	-0.07	0.746	21.11	22.50	1.377	1.027	/
	DSI4			Front Side	9	351500	1757.5	1	1	-0.10	0.652	21.20	22.50	1.349	0.880	/	
	DSI4			Front Side	9	346500	1732.5	121	121	-0.09	0.701	21.21	22.50	1.346	0.944	/	

	DSI4			Front Side	9	351500	1757.5	121	0	0.11	0.689	21.20	22.50	1.349	0.929	/
	DSI4			Front Side	9	351500	1757.5	241	0	-0.02	0.674	21.08	22.50	1.387	0.935	/
Ant.1	DSI4	DFT-s-OFDM BPSK	SA	Front Side	9	349000	1745	1	1	-0.13	0.586	23.72	24.50	1.197	0.701	/
	DSI4			Back Side	15	349000	1745	1	1	-0.01	0.603	23.72	24.50	1.197	0.722	/
	DSI4			Bottom Edge	15	349000	1745	1	1	0.15	0.864	23.72	24.50	1.197	1.034	/
	DSI4			Front Side	9	346500	1732.5	121	0	0.07	0.574	23.93	24.50	1.140	0.654	/
	DSI4			Back Side	15	346500	1732.5	121	0	0.04	0.596	23.93	24.50	1.140	0.679	/
	DSI4			Bottom Edge	15	346500	1732.5	121	0	-0.04	0.859	23.93	24.50	1.140	0.979	/
	DSI4			Bottom Edge	15	346500	1732.5	1	1	0.13	0.778	23.54	24.50	1.247	0.970	/
	DSI4			Bottom Edge	15	351500	1757.5	1	121	0.09	0.765	23.61	24.50	1.227	0.939	/
	DSI4			Bottom Edge	15	349000	1745	121	0	-0.03	0.752	23.67	24.50	1.211	0.911	/
	DSI4			Bottom Edge	15	351500	1757.5	121	0	0.12	0.736	23.75	24.50	1.189	0.875	/
	DSI4			Bottom Edge	15	351500	1757.5	241	0	0.00	0.728	23.68	24.50	1.208	0.879	/

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	346500	1732.5	1	121	-0.15	0.474	14.80	15.50	1.175	0.557	/
	DSI3			Back Side	0	346500	1732.5	1	121	0.08	0.485	14.80	15.50	1.175	0.570	/
	DSI3			Top Edge	0	346500	1732.5	1	121	0.04	0.854	14.80	15.50	1.175	1.003	/
	DSI3			Front Side	0	349000	1745	121	60	-0.01	0.445	14.80	15.50	1.175	0.523	/
	DSI3			Back Side	0	349000	1745	121	60	-0.15	0.468	14.80	15.50	1.175	0.550	/
	DSI3			Top Edge	0	349000	1745	121	60	0.10	0.819	14.80	15.50	1.175	0.962	/
Ant.1	DSI2	DFT-s-OFDM BPSK	SA	Back Side	0	351500	1757.5	1	121	-0.01	1.130	18.69	19.50	1.205	1.362	/
	DSI2			Bottom Edge	0	351500	1757.5	1	121	-0.01	1.350	18.69	19.50	1.205	1.627	92#
	DSI2			Back Side	0	346500	1732.5	121	121	0.12	0.861	18.89	19.50	1.151	0.991	/
	DSI2			Bottom Edge	0	346500	1732.5	121	121	0.01	1.070	18.89	19.50	1.151	1.232	/

12.31 5G n71 (35MHz 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	95	-0.12	0.361	24.10	25.50	1.380	0.498	/
	DSI1			Left Tilt	0	136100	680.5	1	95	-0.01	0.321	24.10	25.50	1.380	0.443	/
	DSI1			Right Cheek	0	136100	680.5	1	95	-0.01	0.534	24.10	25.50	1.380	0.737	93#
	DSI1			Right Tilt	0	136100	680.5	1	95	0.12	0.496	24.10	25.50	1.380	0.684	/
	DSI1			Left Cheek	0	136100	680.5	90	50	-0.14	0.280	24.02	25.50	1.406	0.394	/
	DSI1			Left Tilt	0	136100	680.5	90	50	-0.04	0.248	24.02	25.50	1.406	0.349	/
	DSI1			Right Cheek	0	136100	680.5	90	50	0.05	0.412	24.02	25.50	1.406	0.579	/
	DSI1			Right Tilt	0	136100	680.5	90	50	0.11	0.383	24.02	25.50	1.406	0.538	/
Ant.1	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	136100	680.5	1	1	0.08	0.025	24.33	25.50	1.309	0.033	/
	DSI1			Left Tilt	0	136100	680.5	1	1	0.05	0.010	24.33	25.50	1.309	0.013	/
	DSI1			Right Cheek	0	136100	680.5	1	1	-0.14	0.028	24.33	25.50	1.309	0.037	/
	DSI1			Right Tilt	0	136100	680.5	1	1	0.06	0.012	24.33	25.50	1.309	0.016	/
	DSI1			Left Cheek	0	136100	680.5	90	50	-0.06	0.022	24.36	25.50	1.300	0.029	/
	DSI1			Left Tilt	0	136100	680.5	90	50	0.13	0.010	24.36	25.50	1.300	0.013	/
	DSI1			Right Cheek	0	136100	680.5	90	50	-0.04	0.025	24.36	25.50	1.300	0.033	/
	DSI1			Right Tilt	0	136100	680.5	90	50	-0.05	0.011	24.36	25.50	1.300	0.014	/
Body-worn																
Ant.4	DSI3	DFT-s-OFDM BPSK	SA	Front Side	5	136100	680.5	1	95	-0.14	0.196	24.10	25.50	1.380	0.270	/
	DSI3			Back Side	5	136100	680.5	1	95	-0.04	0.409	24.10	25.50	1.380	0.564	94#
	DSI3			Front Side	5	136100	680.5	90	50	0.03	0.185	24.02	25.50	1.406	0.260	/
	DSI3			Back Side	5	136100	680.5	90	50	0.01	0.386	24.02	25.50	1.406	0.543	/
Ant.1	DSI2	DFT-s-OFDM BPSK	SA	Front Side	5	136100	680.5	1	1	-0.11	0.125	24.33	25.50	1.309	0.164	/
	DSI2			Back Side	5	136100	680.5	1	1	0.06	0.217	24.33	25.50	1.309	0.284	/
	DSI2			Front Side	5	136100	680.5	90	50	0.05	0.116	24.36	25.50	1.300	0.151	/
	DSI2			Back Side	5	136100	680.5	90	50	-0.04	0.202	24.36	25.50	1.300	0.263	/
Hotspot																
Ant.4	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	136100	680.5	1	95	0.12	0.105	24.10	25.50	1.380	0.145	/
	DSI5			Back Side	10	136100	680.5	1	95	-0.07	0.184	24.10	25.50	1.380	0.254	95#
	DSI5			Left Edge	10	136100	680.5	1	95	0.08	0.068	24.10	25.50	1.380	0.094	/
	DSI5			Top Edge	10	136100	680.5	1	95	-0.15	0.075	24.10	25.50	1.380	0.104	/
	DSI5			Front Side	10	136100	680.5	90	50	-0.09	0.096	24.02	25.50	1.406	0.135	/
	DSI5			Back Side	10	136100	680.5	90	50	-0.07	0.171	24.02	25.50	1.406	0.240	/
	DSI5			Left Edge	10	136100	680.5	90	50	-0.14	0.068	24.02	25.50	1.406	0.096	/
	DSI5			Top Edge	10	136100	680.5	90	50	-0.05	0.072	24.02	25.50	1.406	0.101	/
Ant.1	DSI5	DFT-s-OFDM	SA	Front Side	10	136100	680.5	1	1	0.09	0.042	24.33	25.50	1.309	0.055	/
	DSI5			Back Side	10	136100	680.5	1	1	-0.06	0.074	24.33	25.50	1.309	0.097	/

DSI5	BPSK		Left Edge	10	136100	680.5	1	1	-0.02	0.012	24.33	25.50	1.309	0.016	/
			Right Edge	10	136100	680.5	1	1	0.01	0.052	24.33	25.50	1.309	0.068	/
			Bottom Edge	10	136100	680.5	1	1	0.10	0.082	24.33	25.50	1.309	0.107	/
			Front Side	10	136100	680.5	90	50	0.00	0.034	24.36	25.50	1.300	0.044	/
			Back Side	10	136100	680.5	90	50	0.00	0.058	24.36	25.50	1.300	0.075	/
			Left Edge	10	136100	680.5	90	50	0.12	0.009	24.36	25.50	1.300	0.012	/
			Right Edge	10	136100	680.5	90	50	-0.06	0.050	24.36	25.50	1.300	0.065	/
			Bottom Edge	10	136100	680.5	90	50	-0.13	0.081	24.36	25.50	1.300	0.105	/

12.32 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	519000	2595	1	53	-0.05	0.662	18.27	19.00	1.183	0.783	/
	DSI1			Left Tilt	0	519000	2595	1	53	0.05	0.673	18.27	19.00	1.183	0.796	/
	DSI1			Right Cheek	0	519000	2595	1	53	0.05	0.718	18.27	19.00	1.183	0.849	/
	DSI1			Right Tilt	0	519000	2595	1	53	-0.13	0.813	18.27	19.00	1.183	0.962	/
	DSI1			Left Cheek	0	520000	2600	50	28	-0.13	0.642	18.33	19.00	1.167	0.749	/
	DSI1			Left Tilt	0	520000	2600	50	28	0.15	0.682	18.33	19.00	1.167	0.796	/
	DSI1			Right Cheek	0	520000	2600	50	28	-0.11	0.696	18.33	19.00	1.167	0.812	/
	DSI1			Right Tilt	0	520000	2600	50	28	0.12	0.770	18.33	19.00	1.167	0.899	/
	DSI1			Right Cheek	0	518000	2590	1	53	0.00	0.728	18.15	19.00	1.216	0.885	/
	DSI1			Right Cheek	0	520000	2600	1	1	-0.07	0.703	18.18	19.00	1.208	0.849	/
	DSI1			Right Cheek	0	518000	2590	50	0	0.04	0.685	18.08	19.00	1.236	0.847	/
	DSI1			Right Cheek	0	519000	2595	50	0	0.08	0.669	18.28	19.00	1.180	0.789	/
	DSI1			Right Cheek	0	519000	2595	100	0	0.00	0.672	17.99	19.00	1.262	0.848	/
	DSI1			Right Tilt	0	518000	2590	1	53	-0.07	0.829	18.15	19.00	1.216	1.008	96#
	DSI1			Right Tilt	0	520000	2600	1	1	-0.11	0.797	18.18	19.00	1.208	0.963	/
	DSI1			Right Tilt	0	518000	2590	50	0	-0.13	0.776	18.08	19.00	1.236	0.959	/
	DSI1			Right Tilt	0	519000	2595	50	0	0.13	0.768	18.28	19.00	1.180	0.906	/
DSI1	Right Tilt	0	519000	2595	100	0	0.13	0.759	17.99	19.00	1.262	0.958	/			
Ant.3	DSI1	DFT-s-OFDM BPSK	NSA	Left Cheek	0	518000	2590	1	1	0.14	0.218	19.77	21.00	1.327	0.289	/
	DSI1			Left Tilt	0	518000	2590	1	1	-0.06	0.057	19.77	21.00	1.327	0.076	/
	DSI1			Right Cheek	0	518000	2590	1	1	0.01	0.421	19.77	21.00	1.327	0.559	/
	DSI1			Right Tilt	0	518000	2590	1	1	-0.12	0.085	19.77	21.00	1.327	0.113	/
	DSI1			Left Cheek	0	518000	2590	50	28	-0.05	0.208	19.66	21.00	1.361	0.283	/
	DSI1			Left Tilt	0	518000	2590	50	28	0.13	0.059	19.66	21.00	1.361	0.080	/
	DSI1			Right Cheek	0	518000	2590	50	28	0.05	0.388	19.66	21.00	1.361	0.528	/
	DSI1			Right Tilt	0	518000	2590	50	28	0.12	0.084	19.66	21.00	1.361	0.114	/
Ant.1	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	518000	2590	1	53	-0.05	0.100	24.80	25.50	1.175	0.118	/
	DSI1			Left Tilt	0	518000	2590	1	53	0.13	0.072	24.80	25.50	1.175	0.085	/
	DSI1			Right Cheek	0	518000	2590	1	53	0.14	0.012	24.80	25.50	1.175	0.014	/
	DSI1			Right Tilt	0	518000	2590	1	53	-0.14	0.009	24.80	25.50	1.175	0.011	/
	DSI1			Left Cheek	0	519000	2595	50	28	0.10	0.244	24.60	25.50	1.230	0.300	/
	DSI1			Left Tilt	0	519000	2595	50	28	0.15	0.083	24.60	25.50	1.230	0.102	/
	DSI1			Right Cheek	0	519000	2595	50	28	-0.09	0.127	24.60	25.50	1.230	0.156	/
	DSI1			Right Tilt	0	519000	2595	50	28	-0.14	0.093	24.60	25.50	1.230	0.114	/
Body-worn																
Ant.4	DSI3	DFT-s-	SA	Front Side	5	519000	2595	1	53	0.11	0.429	18.73	19.50	1.194	0.512	/

	DSI3	OFDM		Back Side	5	519000	2595	1	53	0.15	0.805	18.73	19.50	1.194	0.961	97#
	DSI3	BPSK		Front Side	5	518000	2590	50	56	-0.13	0.432	18.96	19.50	1.132	0.489	/
	DSI3			Back Side	5	518000	2590	50	56	-0.06	0.790	18.96	19.50	1.132	0.894	/
	DSI3			Back Side	5	518000	2590	1	1	0.00	0.756	18.69	19.50	1.205	0.911	/
	DSI3			Back Side	5	520000	2600	1	104	0.00	0.789	18.68	19.50	1.208	0.953	/
	DSI3			Back Side	5	519000	2595	50	56	-0.04	0.758	18.58	19.50	1.236	0.937	/
	DSI3			Back Side	5	520000	2600	50	56	0.01	0.769	18.87	19.50	1.156	0.889	/
	DSI3			Back Side	5	519000	2595	100	0	-0.02	0.755	18.52	19.50	1.253	0.946	/
	Ant.3	DSI2		DFT-s-	SA	Front Side	5	520000	2600	1	53	-0.06	0.101	16.62	17.50	1.225
DSI2		OFDM	Back Side	5		520000	2600	1	53	0.03	0.470	16.62	17.50	1.225	0.576	/
DSI2		BPSK	Front Side	5		518000	2590	50	0	0.04	0.099	16.81	17.50	1.172	0.116	/
DSI2			Back Side	5		518000	2590	50	0	0.15	0.453	16.81	17.50	1.172	0.531	/
Ant.1	DSI2	DFT-s-	SA	Front Side	5	519000	2595	1	53	0.09	0.294	21.24	22.00	1.191	0.350	/
	DSI2	OFDM		Back Side	5	519000	2595	1	53	0.03	0.442	21.24	22.00	1.191	0.526	/
	DSI2	BPSK		Front Side	5	518000	2590	50	56	-0.03	0.282	21.23	22.00	1.194	0.337	/
	DSI2			Back Side	5	518000	2590	50	56	-0.14	0.433	21.23	22.00	1.194	0.517	/
Hotspot																
Ant.4	DSI5	DFT-s- OFDM BPSK	SA	Front Side	10	519000	2595	1	53	0.13	0.200	19.72	20.50	1.197	0.239	/
	DSI5			Back Side	10	519000	2595	1	53	-0.05	0.366	19.72	20.50	1.197	0.438	/
	DSI5			Left Edge	10	519000	2595	1	53	0.13	0.109	19.72	20.50	1.197	0.130	/
	DSI5			Top Edge	10	519000	2595	1	53	-0.08	0.525	19.72	20.50	1.197	0.628	98#
	DSI5			Front Side	10	518000	2590	50	28	0.12	0.189	19.89	20.50	1.151	0.218	/
	DSI5			Back Side	10	518000	2590	50	28	-0.02	0.355	19.89	20.50	1.151	0.409	/
	DSI5			Left Edge	10	518000	2590	50	28	0.14	0.105	19.89	20.50	1.151	0.121	/
	DSI5			Top Edge	10	518000	2590	50	28	-0.15	0.468	19.89	20.50	1.151	0.539	/
Ant.3	DSI5	DFT-s-	NSA	Front Side	10	520000	2600	1	53	0.15	0.022	16.62	17.50	1.225	0.027	/
	DSI5	OFDM		Back Side	10	520000	2600	1	53	0.08	0.118	16.62	17.50	1.225	0.145	/
	DSI5	BPSK		Left Edge	10	520000	2600	1	53	-0.02	0.216	16.62	17.50	1.225	0.265	/
	DSI5			Front Side	10	518000	2590	50	0	0.13	0.023	16.81	17.50	1.172	0.027	/
	DSI5			Back Side	10	518000	2590	50	0	-0.12	0.115	16.81	17.50	1.172	0.135	/
	DSI5			Left Edge	10	518000	2590	50	0	-0.13	0.203	16.81	17.50	1.172	0.238	/
Ant.1	DSI5	DFT-s- OFDM BPSK	SA	Front Side	10	519000	2595	1	53	0.06	0.319	21.24	22.00	1.191	0.380	/
	DSI5			Back Side	10	519000	2595	1	53	-0.08	0.290	21.24	22.00	1.191	0.345	/
	DSI5			Left Edge	10	519000	2595	1	53	0.06	0.071	21.24	22.00	1.191	0.085	/
	DSI5			Right Edge	10	519000	2595	1	53	0.05	0.045	21.24	22.00	1.191	0.054	/
	DSI5			Bottom Edge	10	519000	2595	1	53	0.08	0.365	21.24	22.00	1.191	0.435	/
	DSI5			Front Side	10	518000	2590	50	56	0.12	0.302	21.23	22.00	1.194	0.361	/
	DSI5			Back Side	10	518000	2590	50	56	-0.13	0.284	21.23	22.00	1.194	0.339	/
	DSI5			Left Edge	10	518000	2590	50	56	0.07	0.068	21.23	22.00	1.194	0.081	/
	DSI5			Right Edge	10	518000	2590	50	56	0.12	0.041	21.23	22.00	1.194	0.049	/
	DSI5			Bottom Edge	10	518000	2590	50	56	-0.15	0.348	21.23	22.00	1.194	0.416	/
	Body (Sensor-1)															
Ant.4	DSI4	DFT-s-	SA	Front Side	9	520000	2600	1	53	0.06	0.681	23.16	24.50	1.361	0.927	/

	DSI4	OFDM	SA	Back Side	15	520000	2600	1	53	0.02	0.558	23.16	24.50	1.361	0.759	/		
	DSI4	BPSK		Left Edge	9	520000	2600	1	53	0.02	0.146	23.16	24.50	1.361	0.199	/		
	DSI4			Top Edge	15	520000	2600	1	53	0.04	0.721	23.16	24.50	1.361	0.981	/		
	DSI4			Front Side	9	520000	2600	50	0	-0.04	0.679	23.28	24.50	1.324	0.899	/		
	DSI4			Back Side	15	520000	2600	50	0	0.11	0.553	23.28	24.50	1.324	0.732	/		
	DSI4			Left Edge	9	520000	2600	50	0	0.07	0.138	23.28	24.50	1.324	0.183	/		
	DSI4			Top Edge	15	520000	2600	50	0	-0.05	0.724	23.28	24.50	1.324	0.959	/		
	DSI4			Front Side	9	518000	2590	1	104	-0.11	0.678	22.92	24.50	1.439	0.976	/		
	DSI4			Front Side	9	519000	2595	1	104	-0.03	0.663	22.89	24.50	1.449	0.961	/		
	DSI4			Front Side	9	518000	2590	50	0	-0.06	0.642	23.23	24.50	1.340	0.860	/		
	DSI4			Front Side	9	519000	2595	50	56	0.00	0.638	23.09	24.50	1.384	0.883	/		
	DSI4			Front Side	9	520000	2600	100	0	-0.08	0.627	23.17	24.50	1.358	0.851	/		
	DSI4			Top Edge	15	518000	2590	1	104	-0.01	0.730	22.92	24.50	1.439	1.050	/		
	DSI4			Top Edge	15	519000	2595	1	104	0.12	0.718	22.89	24.50	1.449	1.040	/		
	DSI4			Top Edge	15	518000	2590	50	0	0.06	0.685	23.23	24.50	1.340	0.918	/		
	DSI4			Top Edge	15	519000	2595	50	56	0.06	0.692	23.09	24.50	1.384	0.958	/		
	DSI4			Top Edge	15	520000	2600	100	0	-0.05	0.701	23.17	24.50	1.358	0.952	/		
	Ant.1	DSI4		DFT-s-OFDM BPSK	SA	Front Side	9	518000	2590	1	53	-0.09	0.567	24.80	25.50	1.175	0.666	/
		DSI4				Back Side	15	518000	2590	1	53	-0.04	0.323	24.80	25.50	1.175	0.380	/
DSI4		Bottom Edge	15			518000	2590	1	53	0.13	0.417	24.80	25.50	1.175	0.490	/		
DSI4		Front Side	9			519000	2595	50	28	-0.07	0.558	24.60	25.50	1.230	0.686	/		
DSI4		Back Side	15			519000	2595	50	28	0.02	0.316	24.60	25.50	1.230	0.389	/		
DSI4		Bottom Edge	15			519000	2595	50	28	0.01	0.395	24.60	25.50	1.230	0.486	/		

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	519000	2595	1	53	-0.05	0.622	18.73	19.50	1.194	0.743	/
	DSI3			Back Side	0	519000	2595	1	53	-0.15	0.938	18.73	19.50	1.194	1.120	/
	DSI3			Top Edge	0	519000	2595	1	53	-0.13	1.680	18.73	19.50	1.194	2.006	99#
	DSI3			Front Side	0	518000	2590	50	56	0.06	0.581	18.96	19.50	1.132	0.658	/
	DSI3			Back Side	0	518000	2590	50	56	0.09	0.885	18.96	19.50	1.132	1.002	/
	DSI3			Top Edge	0	518000	2590	50	56	-0.05	1.690	18.96	19.50	1.132	1.913	/
	DSI3			Top Edge	0	518000	2590	1	1	-0.03	1.660	18.69	19.50	1.205	2.000	/
	DSI3			Top Edge	0	520000	2600	1	104	0.11	1.660	18.68	19.50	1.208	2.005	/
	DSI3			Top Edge	0	519000	2595	100	0	0.09	1.530	18.52	19.50	1.253	1.917	/
	Ant.1			DSI2	DFT-s-OFDM BPSK	SA	Bottom Edge	0	519000	2595	1	53	-0.04	1.580	21.24	22.00
DSI2		Bottom Edge	0	518000			2590	50	56	0.12	1.490	21.23	22.00	1.194	1.779	/

12.33 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	509202	2546.01	1	271	0.06	0.583	18.40	19.00	1.148	0.669	/
	DSI1			Left Tilt	0	509202	2546.01	1	271	-0.05	0.662	18.40	19.00	1.148	0.760	/
	DSI1			Right Cheek	0	509202	2546.01	1	271	0.15	0.630	18.40	19.00	1.148	0.723	/
	DSI1			Right Tilt	0	509202	2546.01	1	271	-0.01	0.765	18.40	19.00	1.148	0.878	/
	DSI1			Left Cheek	0	509202	2546.01	135	69	0.05	0.538	18.29	19.00	1.178	0.634	/
	DSI1			Left Tilt	0	509202	2546.01	135	69	-0.05	0.602	18.29	19.00	1.178	0.709	/
	DSI1			Right Cheek	0	509202	2546.01	135	69	-0.09	0.578	18.29	19.00	1.178	0.681	/
	DSI1			Right Tilt	0	509202	2546.01	135	69	-0.09	0.691	18.29	19.00	1.178	0.814	/
	DSI1			Right Tilt	0	513900	2569.5	1	1	0.08	0.734	18.14	19.00	1.219	0.895	/
	DSI1			Right Tilt	0	518598	2592.99	1	1	-0.07	0.788	18.24	19.00	1.191	0.939	100#
	DSI1			Right Tilt	0	523302	2616.51	1	1	0.03	0.754	18.21	19.00	1.199	0.904	/
	DSI1			Right Tilt	0	528000	2640	1	137	-0.04	0.678	18.18	19.00	1.208	0.819	/
	DSI1			Right Tilt	0	513900	2569.5	135	138	-0.07	0.741	18.29	19.00	1.178	0.873	/
	DSI1			Right Tilt	0	518598	2592.99	135	138	-0.03	0.715	18.24	19.00	1.191	0.852	/
	DSI1			Right Tilt	0	523302	2616.51	135	0	-0.14	0.698	18.12	19.00	1.225	0.855	/
	DSI1			Right Tilt	0	528000	2640	135	138	0.03	0.673	18.25	19.00	1.189	0.800	/
DSI1	Right Tilt	0	513900	2569.5	270	0	0.12	0.656	18.28	19.00	1.180	0.774	/			
Ant.3	DSI1	DFT-s-OFDM BPSK	NSA	Left Cheek	0	518598	2592.99	1	1	0.04	0.308	19.97	21.00	1.268	0.391	/
	DSI1			Left Tilt	0	518598	2592.99	1	1	-0.14	0.061	19.97	21.00	1.268	0.077	/
	DSI1			Right Cheek	0	518598	2592.99	1	1	-0.07	0.454	19.97	21.00	1.268	0.576	/
	DSI1			Right Tilt	0	518598	2592.99	1	1	-0.10	0.111	19.97	21.00	1.268	0.141	/
	DSI1			Left Cheek	0	523302	2616.51	135	0	-0.11	0.296	20.38	21.00	1.153	0.341	/
	DSI1			Left Tilt	0	523302	2616.51	135	0	0.09	0.059	20.38	21.00	1.153	0.068	/
	DSI1			Right Cheek	0	523302	2616.51	135	0	-0.13	0.455	20.38	21.00	1.153	0.525	/
	DSI1			Right Tilt	0	523302	2616.51	135	0	0.02	0.112	20.38	21.00	1.153	0.129	/
Ant.1	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	513900	2569.5	1	137	0.07	0.175	24.73	25.50	1.194	0.209	/
	DSI1			Left Tilt	0	513900	2569.5	1	137	0.13	0.021	24.73	25.50	1.194	0.025	/
	DSI1			Right Cheek	0	513900	2569.5	1	137	0.11	0.099	24.73	25.50	1.194	0.118	/
	DSI1			Right Tilt	0	513900	2569.5	1	137	-0.01	0.051	24.73	25.50	1.194	0.061	/
	DSI1			Left Cheek	0	509202	2546.01	135	69	-0.13	0.153	24.74	25.50	1.191	0.182	/
	DSI1			Left Tilt	0	509202	2546.01	135	69	-0.07	0.013	24.74	25.50	1.191	0.015	/
	DSI1			Right Cheek	0	509202	2546.01	135	69	-0.08	0.075	24.74	25.50	1.191	0.089	/
	DSI1			Right Tilt	0	509202	2546.01	135	69	-0.10	0.047	24.74	25.50	1.191	0.056	/
Body-worn																
Ant.4	DSI3	DFT-s-OFDM	SA	Front Side	5	518598	2592.99	1	271	0.13	0.374	19.03	19.50	1.114	0.417	/
	DSI3	OFDM		Back Side	5	518598	2592.99	1	271	0.05	0.831	19.03	19.50	1.114	0.926	101#

	DSI3	BPSK		Front Side	5	509202	2546.01	135	69	-0.01	0.380	18.87	19.50	1.156	0.439	/
	DSI3			Back Side	5	509202	2546.01	135	69	0.14	0.796	18.87	19.50	1.156	0.920	/
	DSI1			Back Side	5	509202	2546.01	1	271	0.10	0.760	18.68	19.50	1.208	0.918	/
	DSI1			Back Side	5	513900	2569.5	1	1	0.11	0.808	19.01	19.50	1.119	0.904	/
	DSI1			Back Side	5	523302	2616.51	1	271	0.04	0.791	18.82	19.50	1.169	0.925	/
	DSI1			Back Side	5	528000	2640	1	271	0.00	0.786	18.81	19.50	1.172	0.921	/
	DSI1			Back Side	5	513900	2569.5	135	69	-0.04	0.780	18.86	19.50	1.159	0.904	/
	DSI1			Back Side	5	518598	2592.99	135	138	-0.10	0.746	18.80	19.50	1.175	0.877	/
	DSI1			Back Side	5	523302	2616.51	135	69	-0.07	0.775	18.76	19.50	1.186	0.919	/
	DSI1			Back Side	5	528000	2640	135	69	-0.11	0.774	18.76	19.50	1.186	0.918	/
	DSI1			Back Side	5	528000	2640	270	0	0.01	0.765	18.86	19.50	1.159	0.887	/
Ant.3	DSI3	DFT-s-OFDM	NSA	Front Side	5	523302	2616.51	1	1	0.03	0.115	16.38	17.50	1.294	0.149	/
	DSI3			Back Side	5	523302	2616.51	1	1	-0.02	0.542	16.38	17.50	1.294	0.701	/
	DSI3	BPSK		Front Side	5	509202	2546.01	135	0	0.09	0.103	16.41	17.50	1.285	0.132	/
	DSI3			Back Side	5	509202	2546.01	135	0	-0.09	0.516	16.41	17.50	1.285	0.663	/
Ant.1	DSI2	DFT-s-OFDM	SA	Front Side	5	509202	2546.01	1	1	-0.08	0.305	21.40	22.00	1.148	0.350	/
	DSI2			Back Side	5	509202	2546.01	1	1	-0.04	0.479	21.40	22.00	1.148	0.550	/
	DSI2	BPSK		Front Side	5	513900	2569.5	135	138	0.01	0.301	21.28	22.00	1.180	0.355	/
	DSI2			Back Side	5	513900	2569.5	135	138	0.13	0.461	21.28	22.00	1.180	0.544	/
Hotspot																
Ant.4	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	518598	2592.99	1	271	-0.12	0.183	19.82	20.50	1.169	0.214	/
	DSI5			Back Side	10	518598	2592.99	1	271	-0.10	0.276	19.82	20.50	1.169	0.323	/
	DSI5			Left Edge	10	518598	2592.99	1	271	-0.13	0.124	19.82	20.50	1.169	0.145	/
	DSI5			Top Edge	10	518598	2592.99	1	271	-0.08	0.519	19.82	20.50	1.169	0.607	/
	DSI5			Front Side	10	509202	2546.01	135	69	-0.06	0.171	19.82	20.50	1.169	0.200	/
	DSI5			Back Side	10	509202	2546.01	135	69	0.04	0.252	19.82	20.50	1.169	0.295	/
	DSI5			Left Edge	10	509202	2546.01	135	69	0.10	0.109	19.82	20.50	1.169	0.127	/
	DSI5			Top Edge	10	509202	2546.01	135	69	-0.06	0.469	19.82	20.50	1.169	0.548	/
Ant.3	DSI5	DFT-s-OFDM	NSA	Front Side	10	523302	2616.51	1	1	-0.14	0.042	16.38	17.50	1.294	0.054	/
	DSI5			Back Side	10	523302	2616.51	1	1	-0.14	0.216	16.38	17.50	1.294	0.280	/
	DSI5			Left Edge	10	523302	2616.51	1	1	0.08	0.282	16.38	17.50	1.294	0.365	/
	DSI5	BPSK		Front Side	10	509202	2546.01	135	0	0.01	0.038	17.41	17.50	1.021	0.039	/
	DSI5			Back Side	10	509202	2546.01	135	0	-0.14	0.215	17.41	17.50	1.021	0.220	/
	DSI5			Left Edge	10	509202	2546.01	135	0	-0.04	0.286	17.41	17.50	1.021	0.292	/
Ant.1	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	509202	2546.01	1	1	0.07	0.198	21.40	22.00	1.148	0.227	/
	DSI5			Back Side	10	509202	2546.01	1	1	0.09	0.352	21.40	22.00	1.148	0.404	/
	DSI5			Left Edge	10	509202	2546.01	1	1	-0.13	0.100	21.40	22.00	1.148	0.115	/
	DSI5			Right Edge	10	509202	2546.01	1	1	-0.08	0.061	21.40	22.00	1.148	0.070	/
	DSI5			Bottom Edge	10	509202	2546.01	1	1	0.03	0.698	21.40	22.00	1.148	0.801	/
	DSI5			Front Side	10	513900	2569.5	135	138	0.10	0.381	21.28	22.00	1.180	0.450	/
	DSI5			Back Side	10	513900	2569.5	135	138	0.08	0.300	21.28	22.00	1.180	0.354	/
	DSI5			Left Edge	10	513900	2569.5	135	138	0.01	0.106	21.28	22.00	1.180	0.125	/
	DSI5			Right Edge	10	513900	2569.5	135	138	0.12	0.055	21.28	22.00	1.180	0.065	/

	DSI5			Bottom Edge	10	513900	2569.5	135	138	-0.14	0.658	21.28	22.00	1.180	0.776	/
	DSI5			Bottom Edge	10	513900	2569.5	1	1	-0.09	0.689	21.26	22.00	1.186	0.817	102#
	DSI5			Bottom Edge	10	518598	2592.99	1	1	-0.08	0.654	21.15	22.00	1.216	0.795	/
	DSI5			Bottom Edge	10	523302	2616.51	1	137	-0.02	0.630	21.26	22.00	1.186	0.747	/
	DSI5			Bottom Edge	10	528000	2640	1	1	-0.01	0.618	21.07	22.00	1.239	0.766	/
	DSI5			Bottom Edge	10	509202	2546.01	270	0	-0.11	0.635	21.16	22.00	1.213	0.770	/

Body (Sensor-1)

Ant.4	DSI4	DFT-s-OFDM BPSK	SA	Front Side	9	523302	2616.51	1	271	0.01	0.658	23.11	24.50	1.377	0.906	/
	DSI4			Back Side	15	523302	2616.51	1	271	0.11	0.442	23.11	24.50	1.377	0.609	/
	DSI4			Left Edge	9	523302	2616.51	1	271	-0.02	0.239	23.11	24.50	1.377	0.329	/
	DSI4			Top Edge	15	523302	2616.51	1	271	0.10	0.782	23.11	24.50	1.377	1.077	/
	DSI4			Front Side	9	523302	2616.51	135	138	0.01	0.642	23.35	24.50	1.303	0.837	/
	DSI4			Back Side	15	523302	2616.51	135	138	0.06	0.428	23.35	24.50	1.303	0.558	/
	DSI4			Left Edge	9	523302	2616.51	135	138	-0.03	0.225	23.35	24.50	1.303	0.293	/
	DSI4			Top Edge	15	523302	2616.51	135	138	-0.03	0.771	23.35	24.50	1.303	1.005	/
	DSI4			Front Side	9	509202	2546.01	1	271	-0.07	0.632	22.99	24.50	1.416	0.895	/
	DSI4			Front Side	9	513900	2569.5	1	1	-0.09	0.621	22.94	24.50	1.432	0.889	/
	DSI4			Front Side	9	518598	2592.99	1	271	0.03	0.608	22.92	24.50	1.439	0.875	/
	DSI4			Front Side	9	528000	2640	1	271	0.00	0.630	22.95	24.50	1.429	0.900	/
	DSI4			Front Side	9	509202	2546.01	135	0	0.11	0.614	23.10	24.50	1.380	0.847	/
	DSI4			Front Side	9	513900	2569.5	135	138	0.08	0.598	23.13	24.50	1.371	0.820	/
	DSI4			Front Side	9	518598	2592.99	135	138	-0.05	0.603	23.20	24.50	1.349	0.813	/
	DSI4			Front Side	9	528000	2640	135	0	-0.09	0.610	23.21	24.50	1.346	0.821	/
	DSI4			Front Side	9	523302	2616.51	270	0	-0.07	0.615	23.03	24.50	1.403	0.863	/
	DSI4			Top Edge	15	509202	2546.01	1	271	0.01	0.768	22.99	24.50	1.416	1.087	/
	DSI4			Top Edge	15	513900	2569.5	1	1	0.09	0.755	22.94	24.50	1.432	1.081	/
	DSI4			Top Edge	15	518598	2592.99	1	271	0.01	0.734	22.92	24.50	1.439	1.056	/
DSI4	Top Edge	15	528000	2640	1	271	0.12	0.760	22.95	24.50	1.429	1.086	/			
DSI4	Top Edge	15	509202	2546.01	135	0	0.10	0.741	23.10	24.50	1.380	1.023	/			
DSI4	Top Edge	15	513900	2569.5	135	138	-0.06	0.729	23.13	24.50	1.371	0.999	/			
DSI4	Top Edge	15	518598	2592.99	135	138	0.00	0.730	23.20	24.50	1.349	0.985	/			
DSI4	Top Edge	15	528000	2640	135	0	-0.08	0.760	23.21	24.50	1.346	1.023	/			
DSI4	Top Edge	15	523302	2616.51	270	0	0.04	0.754	23.03	24.50	1.403	1.058	/			
Ant.1	DSI4	DFT-s-OFDM BPSK	SA	Front Side	9	513900	2569.5	1	137	0.01	0.408	24.73	25.50	1.194	0.487	/
	DSI4			Back Side	15	513900	2569.5	1	137	0.03	0.361	24.73	25.50	1.194	0.431	/
	DSI4			Bottom Edge	15	513900	2569.5	1	137	0.13	0.586	24.73	25.50	1.194	0.700	/
	DSI4			Front Side	9	509202	2546.01	135	69	0.11	0.395	24.74	25.50	1.191	0.470	/
	DSI4			Back Side	15	509202	2546.01	135	69	0.09	0.348	24.74	25.50	1.191	0.414	/
	DSI4			Bottom Edge	15	509202	2546.01	135	69	-0.08	0.580	24.74	25.50	1.191	0.691	/

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	SA	Front Side	0	518598	2592.99	1	271	0.05	0.692	19.03	19.50	1.114	0.771	/
				Back Side	0	518598	2592.99	1	271	-0.10	0.956	19.03	19.50	1.114	1.065	/
				Top Edge	0	518598	2592.99	1	271	-0.10	1.800	19.03	19.50	1.114	2.005	/
				Front Side	0	509202	2546.01	135	69	-0.08	0.673	18.87	19.50	1.156	0.778	/
				Back Side	0	509202	2546.01	135	69	0.02	0.963	18.87	19.50	1.156	1.113	/
				Top Edge	0	509202	2546.01	135	69	0.03	1.730	18.87	19.50	1.156	2.000	/
				Top Edge	0	509202	2546.01	1	271	-0.04	1.750	18.68	19.50	1.208	2.114	/
				Top Edge	0	513900	2569.5	1	1	0.03	1.890	19.01	19.50	1.119	2.115	103#
				Top Edge	0	523302	2616.51	1	271	0.06	1.580	18.82	19.50	1.169	1.847	/
				Top Edge	0	528000	2640	1	271	-0.03	1.600	18.81	19.50	1.172	1.875	/
				Top Edge	0	513900	2569.5	135	69	0.12	1.690	18.86	19.50	1.159	1.959	/
				Top Edge	0	518598	2592.99	135	138	0.07	1.640	18.80	19.50	1.175	1.927	/
				Top Edge	0	523302	2616.51	135	69	-0.14	1.710	18.76	19.50	1.186	2.028	/
				Top Edge	0	528000	2640	135	69	0.01	1.680	18.76	19.50	1.186	1.992	/
				Top Edge	0	528000	2640	270	0	-0.08	1.600	18.86	19.50	1.159	1.854	/
Ant.1	DSI2	DFT-s-OFDM	SA	Bottom Edge	0	509202	2546.01	1	1	-0.10	1.590	21.40	22.00	1.148	1.825	/
				Bottom Edge	0	513900	2569.5	135	138	-0.15	1.470	21.28	22.00	1.180	1.735	/

12.34 Worst Case of 5G n41 SAR

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-Worce Case for Bracket																
Ant.4	DSI3	DFT-s-OFDM	SA	Top Edge	0	513900	2569.5	1	1	-0.12	1.850	19.01	19.50	1.119	2.070	147#
Specific-Worce Case for Secondary supply																
Ant.4	DSI3	DFT-s-OFDM	SA	Top Edge	0	513900	2569.5	1	1	-0.17	1.800	19.01	19.50	1.119	2.014	148#
Specific-Worce Case for Three supply																
Ant.4	DSI3	DFT-s-OFDM	SA	Top Edge	0	513900	2569.5	1	1	-0.08	1.890	19.01	19.50	1.119	2.115	149#

12.35 5G n48 (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.2	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	641666	3624.99	1	137	0.10	0.241	20.96	22.50	1.426	0.344	/
	DSI1			Left Tilt	0	641666	3624.99	1	137	0.08	0.211	20.96	22.50	1.426	0.301	/
	DSI1			Right Cheek	0	641666	3624.99	1	137	-0.04	0.571	20.96	22.50	1.426	0.814	/
	DSI1			Right Tilt	0	641666	3624.99	1	137	-0.10	0.466	20.96	22.50	1.426	0.665	/
	DSI1			Left Cheek	0	641666	3624.99	135	69	-0.10	0.198	20.95	22.50	1.429	0.283	/
	DSI1			Left Tilt	0	641666	3624.99	135	69	-0.14	0.168	20.95	22.50	1.429	0.240	/
	DSI1			Right Cheek	0	641666	3624.99	135	69	0.07	0.448	20.95	22.50	1.429	0.640	/
	DSI1			Right Tilt	0	641666	3624.99	135	69	-0.13	0.367	20.95	22.50	1.429	0.524	/
	DSI1			Right Cheek	0	640000	3600	1	137	-0.08	0.571	20.72	22.50	1.507	0.860	/
	DSI1			Right Cheek	0	643332	3649.98	1	1	0.05	0.446	20.65	22.50	1.531	0.683	/
	DSI1			Right Cheek	0	640000	3600	135	138	-0.02	0.465	20.77	22.50	1.489	0.692	/
	DSI1			Right Cheek	0	643332	3649.98	135	138	-0.04	0.330	20.68	22.50	1.521	0.502	/
	DSI1			Right Cheek	0	643332	3649.98	270	0	0.08	0.417	20.98	22.50	1.419	0.592	/
	Ant.3			DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	641666	3624.99	1	1	0.03	0.183	20.87	22.50
DSI1		Left Tilt	0	641666			3624.99	1	1	0.03	0.083	20.87	22.50	1.455	0.121	/
DSI1		Right Cheek	0	641666			3624.99	1	1	-0.07	0.362	20.87	22.50	1.455	0.527	/
DSI1		Right Tilt	0	641666			3624.99	1	1	-0.11	0.111	20.87	22.50	1.455	0.162	/
DSI1		Left Cheek	0	643332			3649.98	135	69	0.13	0.175	20.87	22.50	1.455	0.255	/
DSI1		Left Tilt	0	643332			3649.98	135	69	-0.06	0.076	20.87	22.50	1.455	0.111	/
DSI1		Right Cheek	0	643332			3649.98	135	69	-0.11	0.356	20.87	22.50	1.455	0.518	/
DSI1		Right Tilt	0	643332			3649.98	135	69	0.09	0.108	20.87	22.50	1.455	0.157	/
Ant.5	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	641666	3624.99	1	137	0.04	0.800	18.10	19.00	1.230	0.984	/
	DSI1			Left Tilt	0	641666	3624.99	1	137	-0.19	0.823	18.10	19.00	1.230	1.012	104#
	DSI1			Right Cheek	0	641666	3624.99	1	137	-0.01	0.666	18.10	19.00	1.230	0.819	/
	DSI1			Right Tilt	0	641666	3624.99	1	137	-0.04	0.810	18.10	19.00	1.230	0.996	/
	DSI1			Left Cheek	0	643332	3649.98	135	0	0.04	0.775	18.41	19.00	1.146	0.888	/
	DSI1			Left Tilt	0	643332	3649.98	135	0	-0.06	0.812	18.41	19.00	1.146	0.931	/
	DSI1			Right Cheek	0	643332	3649.98	135	0	-0.05	0.663	18.41	19.00	1.146	0.760	/
	DSI1			Right Tilt	0	643332	3649.98	135	0	-0.09	0.786	18.41	19.00	1.146	0.901	/
	DSI1			Left Cheek	0	640000	3600	1	1	-0.10	0.748	18.09	19.00	1.233	0.922	/
	DSI1			Left Cheek	0	643332	3649.98	1	271	0.07	0.765	18.04	19.00	1.247	0.954	/
	DSI1			Left Cheek	0	640000	3600	135	69	0.02	0.753	18.33	19.00	1.167	0.879	/
	DSI1			Left Cheek	0	641666	3624.99	135	69	-0.10	0.749	18.10	19.00	1.230	0.921	/
	DSI1			Left Cheek	0	640000	3600	270	0	-0.11	0.742	17.97	19.00	1.268	0.941	/
	DSI1			Left Tilt	0	640000	3600	1	1	-0.08	0.789	18.09	19.00	1.233	0.973	/
	DSI1			Left Tilt	0	643332	3649.98	1	271	0.03	0.810	18.04	19.00	1.247	1.010	/

	DSI1			Left Tilt	0	640000	3600	135	69	-0.11	0.800	18.33	19.00	1.167	0.934	/
	DSI1			Left Tilt	0	641666	3624.99	135	69	-0.01	0.795	18.10	19.00	1.230	0.978	/
	DSI1			Left Tilt	0	640000	3600	270	0	-0.11	0.782	17.97	19.00	1.268	0.992	/
	DSI1			Right Cheek	0	640000	3600	1	1	0.08	0.629	18.09	19.00	1.233	0.776	/
	DSI1			Right Cheek	0	643332	3649.98	1	271	-0.01	0.641	18.04	19.00	1.247	0.799	/
	DSI1			Right Cheek	0	640000	3600	135	69	0.02	0.638	18.33	19.00	1.167	0.745	/
	DSI1			Right Cheek	0	641666	3624.99	135	69	-0.04	0.635	18.10	19.00	1.230	0.781	/
	DSI1			Right Cheek	0	640000	3600	270	0	0.13	0.624	17.97	19.00	1.268	0.791	/
	DSI1			Right Tilt	0	640000	3600	1	1	-0.05	0.743	18.09	19.00	1.233	0.916	/
	DSI1			Right Tilt	0	643332	3649.98	1	271	0.08	0.756	18.04	19.00	1.247	0.943	/
	DSI1			Right Tilt	0	640000	3600	135	69	0.00	0.748	18.33	19.00	1.167	0.873	/
	DSI1			Right Tilt	0	641666	3624.99	135	69	-0.02	0.752	18.10	19.00	1.230	0.925	/
	DSI1			Right Tilt	0	640000	3600	270	0	0.12	0.741	17.97	19.00	1.268	0.940	/
	Ant.7			DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	643332	3649.98	1	137	-0.12	0.750	19.28	20.00
DSI1		Left Tilt	0	643332			3649.98	1	137	-0.12	0.351	19.28	20.00	1.180	0.414	/
DSI1		Right Cheek	0	643332			3649.98	1	137	0.09	0.237	19.28	20.00	1.180	0.280	/
DSI1		Right Tilt	0	643332			3649.98	1	137	-0.01	0.160	19.28	20.00	1.180	0.189	/
DSI1		Left Cheek	0	640000			3600	135	69	0.03	0.778	19.46	20.00	1.132	0.881	/
DSI1		Left Tilt	0	640000			3600	135	69	0.06	0.328	19.46	20.00	1.132	0.371	/
DSI1		Right Cheek	0	640000			3600	135	69	-0.09	0.219	19.46	20.00	1.132	0.248	/
DSI1		Right Tilt	0	640000			3600	135	69	0.09	0.158	19.46	20.00	1.132	0.179	/
DSI1		Left Cheek	0	640000			3600	1	1	-0.10	0.700	19.26	20.00	1.186	0.830	/
DSI1		Left Cheek	0	641666			3624.99	1	137	-0.03	0.793	19.18	20.00	1.208	0.958	/
DSI1		Left Cheek	0	641666			3624.99	135	69	-0.07	0.735	19.31	20.00	1.172	0.861	/
DSI1		Left Cheek	0	643332			3649.98	135	0	0.04	0.786	19.35	20.00	1.161	0.913	/
DSI1		Left Cheek	0	643332			3649.98	270	0	-0.15	0.776	19.48	20.00	1.127	0.875	/
Body-worn																
Ant.2	DSI3	DFT-s-OFDM BPSK	SA	Front Side	5	643332	3649.98	1	137	-0.01	0.225	19.42	20.00	1.143	0.257	/
	DSI3			Back Side	5	643332	3649.98	1	137	0.01	0.755	19.42	20.00	1.143	0.863	/
	DSI3			Front Side	5	640000	3600	135	0	-0.09	0.216	19.54	20.00	1.112	0.240	/
	DSI3			Back Side	5	640000	3600	135	0	-0.06	0.732	19.54	20.00	1.112	0.814	/
	DSI3			Back Side	5	640000	3600	1	1	-0.08	0.695	19.08	20.00	1.236	0.859	/
	DSI3			Back Side	5	641666	3624.99	1	137	0.09	0.715	19.35	20.00	1.161	0.830	/
	DSI3			Back Side	5	640000	3600	135	0	-0.01	0.703	19.45	20.00	1.135	0.798	/
	DSI3			Back Side	5	640000	3600	135	69	0.09	0.693	19.51	20.00	1.119	0.775	/
	DSI3			Back Side	5	640000	3600	270	0	-0.02	0.712	19.47	20.00	1.130	0.805	/
	Ant.3			DSI3	DFT-s-OFDM BPSK	SA	Front Side	5	640000	3600	1	137	-0.05	0.141	18.92	20.00
DSI3		Back Side	5	640000			3600	1	137	-0.01	0.826	18.92	20.00	1.282	1.059	105#
DSI3		Front Side	5	640000			3600	135	69	0.02	0.132	18.96	20.00	1.271	0.168	/
DSI3		Back Side	5	640000			3600	135	69	-0.02	0.780	18.96	20.00	1.271	0.991	/
DSI3		Back Side	5	641666			3624.99	1	137	-0.09	0.765	18.63	20.00	1.371	1.049	/
DSI3		Back Side	5	643332			3649.98	1	137	0.08	0.769	18.74	20.00	1.337	1.028	/
DSI3		Back Side	5	641666			3624.99	135	0	0.07	0.774	18.68	20.00	1.355	1.049	/

	DSI3			Back Side	5	643332	3649.98	135	69	0.09	0.793	18.83	20.00	1.309	1.038	/
	DSI3			Back Side	5	640000	3600	270	0	-0.01	0.762	18.73	20.00	1.340	1.021	/
Ant.5	DSI3	DFT-s-OFDM BPSK	SA	Front Side	5	640000	3600	1	137	0.03	0.292	17.55	18.50	1.245	0.364	/
	DSI3			Back Side	5	640000	3600	1	137	0.05	0.827	17.55	18.50	1.245	1.030	/
	DSI3			Front Side	5	640000	3600	135	0	0.12	0.286	17.92	18.50	1.143	0.327	/
	DSI3			Back Side	5	640000	3600	135	0	0.01	0.812	17.92	18.50	1.143	0.928	/
	DSI3			Back Side	5	641666	3624.99	1	271	0.01	0.805	17.50	18.50	1.259	1.013	/
	DSI3			Back Side	5	643332	3649.98	1	1	0.08	0.792	17.46	18.50	1.271	1.007	/
	DSI3			Back Side	5	641666	3624.99	135	0	-0.05	0.786	17.72	18.50	1.197	0.941	/
	DSI3			Back Side	5	643332	3649.98	135	0	-0.05	0.810	17.70	18.50	1.202	0.974	/
	DSI3			Back Side	5	640000	3600	270	0	-0.04	0.805	17.79	18.50	1.178	0.948	/
	DSI3			Back Side	5	640000	3600	270	0	-0.04	0.805	17.79	18.50	1.178	0.948	/
Ant.7	DSI3	DFT-s-OFDM BPSK	SA	Front Side	5	643332	3649.98	1	1	0.10	0.261	18.27	19.00	1.183	0.309	/
	DSI3			Back Side	5	643332	3649.98	1	1	0.04	0.830	18.27	19.00	1.183	0.982	/
	DSI3			Front Side	5	643332	3649.98	135	0	-0.08	0.265	18.46	19.00	1.132	0.300	/
	DSI3			Back Side	5	643332	3649.98	135	0	0.01	0.834	18.46	19.00	1.132	0.944	/
	DSI3			Back Side	5	640000	3600	1	271	-0.11	0.765	18.06	19.00	1.242	0.950	/
	DSI3			Back Side	5	641666	3624.99	1	137	-0.03	0.808	18.26	19.00	1.186	0.958	/
	DSI3			Back Side	5	640000	3600	135	69	0.10	0.801	18.34	19.00	1.164	0.932	/
	DSI3			Back Side	5	641666	3624.99	135	69	0.02	0.792	18.36	19.00	1.159	0.918	/
	DSI3			Back Side	5	640000	3600	270	0	0.08	0.810	18.32	19.00	1.169	0.947	/
	DSI3			Back Side	5	640000	3600	270	0	0.08	0.810	18.32	19.00	1.169	0.947	/
Hotspot																
Ant.2	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	643332	3649.98	1	137	-0.15	0.176	20.40	21.00	1.148	0.202	/
	DSI5			Back Side	10	643332	3649.98	1	137	0.04	0.473	20.40	21.00	1.148	0.543	/
	DSI5			Left Edge	10	643332	3649.98	1	137	-0.02	0.273	20.40	21.00	1.148	0.313	/
	DSI5			Top Edge	10	643332	3649.98	1	137	-0.06	0.179	20.40	21.00	1.148	0.205	/
	DSI5			Front Side	10	640000	3600	135	0	-0.12	0.170	20.52	21.00	1.117	0.190	/
	DSI5			Back Side	10	640000	3600	135	0	-0.05	0.463	20.52	21.00	1.117	0.517	/
	DSI5			Left Edge	10	640000	3600	135	0	-0.06	0.269	20.52	21.00	1.117	0.300	/
	DSI5			Top Edge	10	640000	3600	135	0	-0.14	0.175	20.52	21.00	1.117	0.195	/
Ant.3	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	640000	3600	1	137	0.13	0.037	19.90	21.00	1.288	0.048	/
	DSI5			Back Side	10	640000	3600	1	137	-0.10	0.183	19.90	21.00	1.288	0.236	/
	DSI5			Left Edge	10	640000	3600	1	137	0.05	0.233	19.90	21.00	1.288	0.300	/
	DSI5			Front Side	10	640000	3600	135	69	0.14	0.034	19.94	21.00	1.276	0.043	/
	DSI5			Back Side	10	640000	3600	135	69	-0.07	0.178	19.94	21.00	1.276	0.227	/
	DSI5			Left Edge	10	640000	3600	135	69	-0.12	0.216	19.94	21.00	1.276	0.276	/
Ant.5	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	640000	3600	1	137	0.14	0.160	18.53	19.50	1.250	0.200	/
	DSI5			Back Side	10	640000	3600	1	137	-0.14	0.449	18.53	19.50	1.250	0.561	106#
	DSI5			Top Edge	10	640000	3600	1	137	-0.13	0.366	18.53	19.50	1.250	0.458	/
	DSI5			Front Side	10	640000	3600	135	0	-0.04	0.151	18.90	19.50	1.148	0.173	/
	DSI5			Back Side	10	640000	3600	135	0	-0.10	0.421	18.90	19.50	1.148	0.483	/
	DSI5			Top Edge	10	640000	3600	135	0	-0.02	0.375	18.90	19.50	1.148	0.431	/
Ant.7	DSI5	DFT-s-OFDM	SA	Front Side	10	643332	3649.98	1	137	0.15	0.104	18.27	19.00	1.183	0.123	/
	DSI5			Back Side	10	643332	3649.98	1	137	0.19	0.309	18.27	19.00	1.183	0.366	/

	DSI5	BPSK		Right Edge	10	643332	3649.98	1	137	-0.07	0.209	18.27	19.00	1.183	0.247	/
	DSI5			Top Edge	10	643332	3649.98	1	137	0.14	0.048	18.27	19.00	1.183	0.057	/
	DSI5			Front Side	10	643332	3649.98	135	0	-0.11	0.091	18.46	19.00	1.132	0.103	/
	DSI5			Back Side	10	643332	3649.98	135	0	0.04	0.304	18.46	19.00	1.132	0.344	/
	DSI5			Right Edge	10	643332	3649.98	135	0	0.09	0.196	18.46	19.00	1.132	0.222	/
	DSI5			Top Edge	10	643332	3649.98	135	0	0.04	0.044	18.46	19.00	1.132	0.050	/

12.36 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	271	-0.01	0.423	23.43	24.00	1.140	0.482	/			
	DSI1			Left Tilt	0	633334	3500.01	1	271	0.14	0.319	23.43	24.00	1.140	0.364	/			
	DSI1			Right Cheek	0	633334	3500.01	1	271	0.01	0.767	23.43	24.00	1.140	0.874	/			
	DSI1			Right Tilt	0	633334	3500.01	1	271	-0.11	0.727	23.43	24.00	1.140	0.829	/			
	DSI1			Left Cheek	0	633334	3500.01	135	69	0.06	0.416	23.43	24.00	1.140	0.474	/			
	DSI1			Left Tilt	0	633334	3500.01	135	69	0.15	0.312	23.43	24.00	1.140	0.356	/			
	DSI1			Right Cheek	0	633334	3500.01	135	69	-0.06	0.794	23.43	24.00	1.140	0.905	/			
	DSI1			Right Tilt	0	633334	3500.01	135	69	0.09	0.736	23.43	24.00	1.140	0.839	/			
	DSI1			Right Cheek	0	633334	3500.01	270	0	0.05	0.826	23.29	24.00	1.178	0.973	/			
	DSI1			Right Cheek	0	633334	3500.01	270	0	0.03	0.786	23.29	24.00	1.178	0.926	/			
Ant.3	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	137	-0.03	0.312	23.40	24.00	1.148	0.358	/			
	DSI1			Left Tilt	0	633334	3500.01	1	137	-0.07	0.117	23.40	24.00	1.148	0.134	/			
	DSI1			Right Cheek	0	633334	3500.01	1	137	-0.05	0.582	23.40	24.00	1.148	0.668	/			
	DSI1			Right Tilt	0	633334	3500.01	1	137	-0.10	0.211	23.40	24.00	1.148	0.242	/			
	DSI1			Left Cheek	0	633334	3500.01	135	69	0.03	0.306	23.67	24.00	1.079	0.330	/			
	DSI1			Left Tilt	0	633334	3500.01	135	69	-0.03	0.112	23.67	24.00	1.079	0.121	/			
	DSI1			Right Cheek	0	633334	3500.01	135	69	-0.05	0.575	23.67	24.00	1.079	0.620	/			
	DSI1			Right Tilt	0	633334	3500.01	135	69	0.07	0.203	23.67	24.00	1.079	0.219	/			
Ant.5	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	271	-0.11	0.851	18.56	19.50	1.242	1.057	107#			
	DSI1			Left Tilt	0	633334	3500.01	1	271	-0.02	0.787	18.56	19.50	1.242	0.977	/			
	DSI1			Right Cheek	0	633334	3500.01	1	271	0.03	0.717	18.56	19.50	1.242	0.891	/			
	DSI1			Right Tilt	0	633334	3500.01	1	271	0.12	0.804	18.56	19.50	1.242	0.999	/			
	DSI1			Left Cheek	0	633334	3500.01	135	138	0.11	0.799	18.54	19.50	1.247	0.996	/			
	DSI1			Left Tilt	0	633334	3500.01	135	138	0.05	0.771	18.54	19.50	1.247	0.961	/			
	DSI1			Right Cheek	0	633334	3500.01	135	138	0.06	0.683	18.54	19.50	1.247	0.852	/			
	DSI1			Right Tilt	0	633334	3500.01	135	138	-0.08	0.782	18.54	19.50	1.247	0.975	/			
	DSI1			Left Cheek	0	633334	3500.01	270	0	-0.06	0.812	18.49	19.50	1.262	1.025	/			
	DSI1			Left Tilt	0	633334	3500.01	270	0	-0.11	0.752	18.49	19.50	1.262	0.949	/			
	DSI1			Right Cheek	0	633334	3500.01	270	0	0.10	0.680	18.49	19.50	1.262	0.858	/			
	DSI1			Right Tilt	0	633334	3500.01	270	0	0.11	0.769	18.49	19.50	1.262	0.970	/			
	Ant.7			DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	137	-0.05	0.754	20.25	21.00	1.189	0.897	/
				DSI1			Left Tilt	0	633334	3500.01	1	137	0.15	0.347	20.25	21.00	1.189	0.413	/
DSI1		Right Cheek	0	633334			3500.01	1	137	-0.12	0.211	20.25	21.00	1.189	0.251	/			
DSI1		Right Tilt	0	633334			3500.01	1	137	-0.06	0.209	20.25	21.00	1.189	0.249	/			
DSI1		Left Cheek	0	633334			3500.01	135	0	0.01	0.743	20.12	21.00	1.225	0.910	/			
DSI1		Left Tilt	0	633334			3500.01	135	0	-0.12	0.310	20.12	21.00	1.225	0.380	/			

	DSI1			Right Cheek	0	633334	3500.01	135	0	-0.08	0.204	20.12	21.00	1.225	0.250	/	
	DSI1			Right Tilt	0	633334	3500.01	135	0	0.01	0.185	20.12	21.00	1.225	0.227	/	
	DSI1			Left Cheek	0	633334	3500.01	270	0	0.07	0.833	20.26	21.00	1.186	0.988	/	
Body-worn																	
Ant.2	DSI3	DFT-s-	SA	Front Side	5	633334	3500.01	1	1	-0.03	0.374	20.20	21.00	1.202	0.450	/	
	DSI3			Back Side	5	633334	3500.01	1	1	-0.11	0.777	20.20	21.00	1.202	0.934	/	
	DSI3	OFDM		Front Side	5	633334	3500.01	135	138	-0.03	0.286	20.27	21.00	1.183	0.338	/	
	DSI3	BPSK		Back Side	5	633334	3500.01	135	138	0.01	0.795	20.27	21.00	1.183	0.940	/	
	DSI3	Back Side		5	633334	3500.01	270	0	-0.03	0.745	20.25	21.00	1.189	0.886	/		
Ant.3	DSI3	DFT-s-	SA	Front Side	5	633334	3500.01	1	271	0.12	0.144	19.52	20.00	1.117	0.161	/	
	DSI3			Back Side	5	633334	3500.01	1	271	0.16	0.797	19.52	20.00	1.117	0.890	/	
	DSI3	OFDM		Front Side	5	633334	3500.01	135	138	0.08	0.125	19.63	20.00	1.089	0.136	/	
	DSI3	BPSK		Back Side	5	633334	3500.01	135	138	-0.04	0.714	19.63	20.00	1.089	0.778	/	
	DSI3	Back Side		5	633334	3500.01	270	0	0.03	0.735	19.55	20.00	1.109	0.815	/		
Ant.5	DSI3	DFT-s-	SA	Front Side	5	633334	3500.01	1	137	0.05	0.235	18.51	19.00	1.119	0.263	/	
	DSI3			Back Side	5	633334	3500.01	1	137	-0.17	0.847	18.51	19.00	1.119	0.948	108#	
	DSI3	OFDM		Front Side	5	633334	3500.01	135	69	0.01	0.220	18.53	19.00	1.114	0.245	/	
	DSI3	BPSK		Back Side	5	633334	3500.01	135	69	0.08	0.796	18.53	19.00	1.114	0.887	/	
	DSI3	Back Side		5	633334	3500.01	270	0	0.04	0.802	18.38	19.00	1.153	0.925	/		
Ant.7	DSI3	DFT-s-	SA	Front Side	5	633334	3500.01	1	1	0.04	0.173	19.29	20.00	1.178	0.204	/	
	DSI3			Back Side	5	633334	3500.01	1	1	0.05	0.646	19.29	20.00	1.178	0.761	/	
	DSI3	OFDM		Front Side	5	633334	3500.01	135	138	0.08	0.168	19.30	20.00	1.175	0.197	/	
	DSI3	BPSK		Back Side	5	633334	3500.01	135	138	-0.07	0.619	19.30	20.00	1.175	0.727	/	
Hotspot																	
Ant.2	DSI5	DFT-s-	SA	Front Side	10	633334	3500.01	1	1	-0.11	0.165	20.20	21.00	1.202	0.198	/	
	DSI5			Back Side	10	633334	3500.01	1	1	0.18	0.389	20.20	21.00	1.202	0.468	/	
	DSI5			Left Edge	10	633334	3500.01	1	1	-0.15	0.185	20.20	21.00	1.202	0.222	/	
	DSI5			Top Edge	10	633334	3500.01	1	1	0.09	0.203	20.20	21.00	1.202	0.244	/	
	DSI5	OFDM		Front Side	10	633334	3500.01	135	138	0.10	0.154	20.27	21.00	1.183	0.182	/	
	DSI5	BPSK		Back Side	10	633334	3500.01	135	138	-0.02	0.360	20.27	21.00	1.183	0.426	/	
	DSI5	Left Edge		10	633334	3500.01	135	138	0.03	0.181	20.27	21.00	1.183	0.214	/		
	DSI5	Top Edge		10	633334	3500.01	135	138	-0.14	0.195	20.27	21.00	1.183	0.231	/		
Ant.3	DSI5	DFT-s-	SA	Front Side	10	633334	3500.01	1	271	0.04	0.101	20.48	21.00	1.127	0.114	/	
	DSI5			Back Side	10	633334	3500.01	1	271	-0.11	0.412	20.48	21.00	1.127	0.464	/	
	DSI5	OFDM		Left Edge	10	633334	3500.01	1	271	-0.06	0.456	20.48	21.00	1.127	0.514	/	
	DSI5	BPSK		Front Side	10	633334	3500.01	135	138	0.04	0.103	20.84	21.00	1.038	0.107	/	
	DSI5	Back Side		10	633334	3500.01	135	138	-0.06	0.424	20.84	21.00	1.038	0.440	/		
	DSI5	Left Edge		10	633334	3500.01	135	138	-0.09	0.473	20.84	21.00	1.038	0.491	/		
Ant.5	DSI5	DFT-s-	SA	Front Side	10	633334	3500.01	1	137	0.14	0.190	19.49	20.00	1.125	0.214	/	
	DSI5			Back Side	10	633334	3500.01	1	137	-0.06	0.632	19.49	20.00	1.125	0.711	109#	
	DSI5	OFDM		Top Edge	10	633334	3500.01	1	137	-0.15	0.620	19.49	20.00	1.125	0.698	/	
	DSI5	BPSK		Front Side	10	633334	3500.01	135	69	-0.10	0.164	19.51	20.00	1.119	0.184	/	
	DSI5	Back Side		10	633334	3500.01	135	69	0.14	0.546	19.51	20.00	1.119	0.611	/		

	DSI5			Top Edge	10	633334	3500.01	135	69	0.02	0.507	19.51	20.00	1.119	0.567	/
Ant.7	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	1	0.13	0.100	19.29	20.00	1.178	0.118	/
	DSI5			Back Side	10	633334	3500.01	1	1	0.15	0.237	19.29	20.00	1.178	0.279	/
	DSI5			Right Edge	10	633334	3500.01	1	1	-0.13	0.220	19.29	20.00	1.178	0.259	/
	DSI5			Top Edge	10	633334	3500.01	1	1	0.13	0.089	19.29	20.00	1.178	0.105	/
	DSI5			Front Side	10	633334	3500.01	135	138	-0.04	0.092	19.30	20.00	1.175	0.108	/
	DSI5			Back Side	10	633334	3500.01	135	138	0.04	0.228	19.30	20.00	1.175	0.268	/
	DSI5			Right Edge	10	633334	3500.01	135	138	0.08	0.180	19.30	20.00	1.175	0.212	/
	DSI5			Top Edge	10	633334	3500.01	135	138	-0.08	0.084	19.30	20.00	1.175	0.099	/
	DSI5			Back Side	10	633334	3500.01	270	0	0.08	0.253	19.08	20.00	1.236	0.313	/

12.37 5G n77 (100MHz Bandwidth) (3700MHz-3980MHz)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g 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	0.04	0.258	23.02	24.00	1.253	0.323	/
	DSI1			Left Tilt	0	650000	3750	1	1	0.14	0.187	23.02	24.00	1.253	0.234	/
	DSI1			Right Cheek	0	650000	3750	1	1	0.02	0.637	23.02	24.00	1.253	0.798	/
	DSI1			Right Tilt	0	650000	3750	1	1	-0.01	0.395	23.02	24.00	1.253	0.495	/
	DSI1			Left Cheek	0	656000	3840	135	0	-0.02	0.243	23.31	24.00	1.172	0.285	/
	DSI1			Left Tilt	0	656000	3840	135	0	0.15	0.239	23.31	24.00	1.172	0.280	/
	DSI1			Right Cheek	0	656000	3840	135	0	-0.05	0.625	23.31	24.00	1.172	0.733	/
	DSI1			Right Tilt	0	656000	3840	135	0	-0.07	0.380	23.31	24.00	1.172	0.445	/
Ant.3	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	650000	3750	1	137	-0.03	0.216	23.11	24.00	1.227	0.265	/
	DSI1			Left Tilt	0	650000	3750	1	137	0.03	0.076	23.11	24.00	1.227	0.093	/
	DSI1			Right Cheek	0	650000	3750	1	137	-0.13	0.434	23.11	24.00	1.227	0.533	/
	DSI1			Right Tilt	0	650000	3750	1	137	0.08	0.167	23.11	24.00	1.227	0.205	/
	DSI1			Left Cheek	0	650000	3750	135	69	-0.02	0.212	23.27	24.00	1.183	0.251	/
	DSI1			Left Tilt	0	650000	3750	135	69	0.04	0.068	23.27	24.00	1.183	0.080	/
	DSI1			Right Cheek	0	650000	3750	135	69	0.11	0.416	23.27	24.00	1.183	0.492	/
	DSI1			Right Tilt	0	650000	3750	135	69	0.10	0.153	23.27	24.00	1.183	0.181	/
Ant.5	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	662000	3930	1	137	0.02	0.763	19.08	19.50	1.102	0.841	/
	DSI1			Left Tilt	0	662000	3930	1	137	-0.06	0.721	19.08	19.50	1.102	0.795	/
	DSI1			Right Cheek	0	662000	3930	1	137	0.01	0.630	19.08	19.50	1.102	0.694	/
	DSI1			Right Tilt	0	662000	3930	1	137	-0.01	0.684	19.08	19.50	1.102	0.754	/
	DSI1			Left Cheek	0	662000	3930	135	138	0.12	0.745	19.12	19.50	1.091	0.813	/
	DSI1			Left Tilt	0	662000	3930	135	138	-0.09	0.731	19.12	19.50	1.091	0.798	/
	DSI1			Right Cheek	0	662000	3930	135	138	-0.02	0.628	19.12	19.50	1.091	0.685	/
	DSI1			Right Tilt	0	662000	3930	135	138	0.06	0.682	19.12	19.50	1.091	0.744	/
	DSI1			Left Cheek	0	650000	3750	1	1	-0.09	0.829	18.70	19.50	1.202	0.996	110#
	DSI1			Left Cheek	0	656000	3840	1	271	0.02	0.732	18.97	19.50	1.130	0.827	/
	DSI1			Left Cheek	0	650000	3750	135	0	0.10	0.809	18.90	19.50	1.148	0.929	/
	DSI1			Left Cheek	0	656000	3840	135	138	0.04	0.758	18.80	19.50	1.175	0.891	/
	DSI1			Left Cheek	0	656000	3840	270	0	0.15	0.749	18.72	19.50	1.197	0.897	/
	Ant.7			DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	656000	3840	1	271	0.07	0.821	20.52	21.00
DSI1		Left Tilt	0	656000			3840	1	271	0.06	0.468	20.52	21.00	1.117	0.523	/
DSI1		Right Cheek	0	656000			3840	1	271	-0.09	0.250	20.52	21.00	1.117	0.279	/
DSI1		Right Tilt	0	656000			3840	1	271	0.02	0.167	20.52	21.00	1.117	0.187	/
DSI1		Left Cheek	0	662000			3930	135	0	-0.04	0.792	20.48	21.00	1.127	0.893	/
DSI1		Left Tilt	0	662000			3930	135	0	0.05	0.437	20.48	21.00	1.127	0.492	/
DSI1		Right Cheek	0	662000			3930	135	0	-0.09	0.240	20.48	21.00	1.127	0.270	/

	DSI1			Right Tilt	0	662000	3930	135	0	-0.07	0.158	20.48	21.00	1.127	0.178	/
	DSI1			Left Cheek	0	650000	3750	1	137	0.10	0.782	20.35	21.00	1.161	0.908	/
	DSI1			Left Cheek	0	662000	3930	1	1	0.01	0.750	20.43	21.00	1.140	0.855	/
	DSI1			Left Cheek	0	650000	3750	135	69	-0.11	0.762	20.32	21.00	1.169	0.891	/
	DSI1			Left Cheek	0	656000	3840	135	138	-0.15	0.751	20.20	21.00	1.202	0.903	/
	DSI1			Left Cheek	0	662000	3930	270	0	-0.09	0.789	20.54	21.00	1.112	0.877	/
Body-worn																
Ant.2	DSI3	DFT-s-OFDM BPSK	SA	Front Side	5	662000	3930	1	137	-0.05	0.208	20.67	21.00	1.079	0.224	/
	DSI3			Back Side	5	662000	3930	1	137	-0.15	0.498	20.67	21.00	1.079	0.537	/
	DSI3			Front Side	5	662000	3930	135	138	0.14	0.210	20.94	21.00	1.014	0.213	/
	DSI3			Back Side	5	662000	3930	135	138	-0.15	0.496	20.94	21.00	1.014	0.503	/
Ant.3	DSI3	DFT-s-OFDM BPSK	SA	Front Side	5	656000	3840	1	137	0.07	0.117	19.49	20.00	1.125	0.132	/
	DSI3			Back Side	5	656000	3840	1	137	-0.09	0.784	19.49	20.00	1.125	0.882	/
	DSI3			Front Side	5	662000	3930	135	0	0.04	0.124	19.76	20.00	1.057	0.131	/
	DSI3			Back Side	5	662000	3930	135	0	-0.11	0.786	19.76	20.00	1.057	0.831	/
	DSI3			Back Side	5	650000	3750	1	137	-0.09	0.723	19.19	20.00	1.205	0.871	/
	DSI3			Back Side	5	656000	3840	1	137	-0.03	0.758	19.46	20.00	1.132	0.858	/
	DSI3			Back Side	5	650000	3750	135	138	0.08	0.764	19.41	20.00	1.146	0.876	/
	DSI3			Back Side	5	656000	3840	135	69	0.11	0.790	19.65	20.00	1.084	0.856	/
	DSI3			Back Side	5	650000	3750	270	0	-0.04	0.750	19.41	20.00	1.146	0.860	/
	Ant.5			DSI3	DFT-s-OFDM BPSK	SA	Front Side	5	662000	3930	1	271	0.01	0.256	18.57	19.00
DSI3		Back Side	5	662000			3930	1	271	-0.01	0.748	18.57	19.00	1.104	0.826	/
DSI3		Front Side	5	662000			3930	135	69	-0.06	0.246	18.67	19.00	1.079	0.265	/
DSI3		Back Side	5	662000			3930	135	69	-0.09	0.750	18.67	19.00	1.079	0.809	/
DSI3		Back Side	5	650000			3750	1	137	0.11	0.726	18.51	19.00	1.119	0.812	/
DSI3		Back Side	5	656000			3840	1	271	-0.05	0.708	18.51	19.00	1.119	0.792	/
DSI3		Back Side	5	650000			3750	135	0	0.04	0.713	18.51	19.00	1.119	0.798	/
DSI3		Back Side	5	656000			3840	135	69	-0.04	0.726	18.60	19.00	1.096	0.796	/
DSI3		Back Side	5	656000			3840	270	0	-0.08	0.685	18.26	19.00	1.186	0.812	/
Ant.7		DSI3	DFT-s-OFDM BPSK	SA			Front Side	5	656000	3840	1	271	-0.12	0.274	19.32	20.00
	DSI3	Back Side			5	656000	3840	1	271	0.01	0.903	19.32	20.00	1.169	1.056	111#
	DSI3	Front Side			5	662000	3930	135	69	0.13	0.261	19.44	20.00	1.138	0.297	/
	DSI3	Back Side			5	662000	3930	135	69	0.12	0.895	19.44	20.00	1.138	1.019	/
	DSI3	Back Side			5	650000	3750	1	271	0.08	0.851	19.28	20.00	1.180	1.004	/
	DSI3	Back Side			5	662000	3930	1	137	-0.06	0.836	19.30	20.00	1.175	0.982	/
	DSI3	Back Side			5	650000	3750	135	0	0.05	0.850	19.23	20.00	1.194	1.015	/
	DSI3	Back Side			5	656000	3840	135	69	0.05	0.827	19.39	20.00	1.151	0.952	/
	DSI3	Back Side			5	650000	3750	270	0	-0.09	0.848	19.44	20.00	1.138	0.965	/
	Hotspot															
Ant.2	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	662000	3930	1	137	0.06	0.116	20.67	21.00	1.079	0.125	/
	DSI5			Back Side	10	662000	3930	1	137	0.09	0.236	20.67	21.00	1.079	0.255	/
	DSI5			Left Edge	10	662000	3930	1	137	0.14	0.221	20.67	21.00	1.079	0.238	/
	DSI5			Top Edge	10	662000	3930	1	137	0.15	0.149	20.67	21.00	1.079	0.161	/

	DSI5			Front Side	10	662000	3930	135	138	-0.04	0.119	20.94	21.00	1.014	0.121	/
	DSI5			Back Side	10	662000	3930	135	138	-0.01	0.220	20.94	21.00	1.014	0.223	/
	DSI5			Left Edge	10	662000	3930	135	138	0.04	0.208	20.94	21.00	1.014	0.211	/
	DSI5			Top Edge	10	662000	3930	135	138	-0.08	0.110	20.94	21.00	1.014	0.112	/
Ant.3	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	656000	3840	1	137	0.09	0.077	20.46	21.00	1.132	0.087	/
	DSI5			Back Side	10	656000	3840	1	137	0.14	0.385	20.46	21.00	1.132	0.436	/
	DSI5			Left Edge	10	656000	3840	1	137	-0.02	0.463	20.46	21.00	1.132	0.524	/
	DSI5			Front Side	10	662000	3930	135	0	-0.07	0.073	20.73	21.00	1.064	0.078	/
	DSI5			Back Side	10	662000	3930	135	0	-0.02	0.367	20.73	21.00	1.064	0.390	/
	DSI5			Left Edge	10	662000	3930	135	0	0.10	0.456	20.73	21.00	1.064	0.485	/
Ant.5	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	662000	3930	1	271	0.11	0.222	19.63	20.00	1.089	0.242	/
	DSI5			Back Side	10	662000	3930	1	271	0.14	0.615	19.63	20.00	1.089	0.670	112#
	DSI5			Top Edge	10	662000	3930	1	271	-0.12	0.417	19.63	20.00	1.089	0.454	/
	DSI5			Front Side	10	662000	3930	135	69	0.01	0.211	19.63	20.00	1.089	0.230	/
	DSI5			Back Side	10	662000	3930	135	69	0.09	0.583	19.63	20.00	1.089	0.635	/
	DSI5			Top Edge	10	662000	3930	135	69	-0.03	0.415	19.63	20.00	1.089	0.452	/
Ant.7	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	656000	3840	1	271	-0.03	0.198	19.32	20.00	1.169	0.231	/
	DSI5			Back Side	10	656000	3840	1	271	-0.04	0.556	19.32	20.00	1.169	0.650	/
	DSI5			Right Edge	10	656000	3840	1	271	-0.11	0.418	19.32	20.00	1.169	0.489	/
	DSI5			Top Edge	10	656000	3840	1	271	-0.12	0.062	19.32	20.00	1.169	0.072	/
	DSI5			Front Side	10	662000	3930	135	69	-0.07	0.199	19.44	20.00	1.138	0.226	/
	DSI5			Back Side	10	662000	3930	135	69	0.12	0.557	19.44	20.00	1.138	0.634	/
	DSI5			Right Edge	10	662000	3930	135	69	0.08	0.420	19.44	20.00	1.138	0.478	/
	DSI5			Top Edge	10	662000	3930	135	69	0.07	0.061	19.44	20.00	1.138	0.069	/

12.38 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	SA	Left Cheek	0	633334	3500.01	1	137	-0.04	0.361	23.40	24.00	1.148	0.414	/
	DSI1			Left Tilt	0	633334	3500.01	1	137	0.08	0.258	23.40	24.00	1.148	0.296	/
	DSI1			Right Cheek	0	633334	3500.01	1	137	-0.09	0.705	23.40	24.00	1.148	0.809	/
	DSI1			Right Tilt	0	633334	3500.01	1	137	0.15	0.486	23.40	24.00	1.148	0.558	/
	DSI1			Left Cheek	0	633334	3500.01	135	138	-0.10	0.349	23.55	24.00	1.109	0.387	/
	DSI1			Left Tilt	0	633334	3500.01	135	138	0.08	0.277	23.55	24.00	1.109	0.307	/
	DSI1			Right Cheek	0	633334	3500.01	135	138	-0.10	0.762	23.55	24.00	1.109	0.845	/
	DSI1			Right Tilt	0	633334	3500.01	135	138	-0.08	0.505	23.55	24.00	1.109	0.560	/
	DSI1			Right Cheek	0	633334	3500.01	270	0	-0.07	0.762	23.57	24.00	1.104	0.841	/
Ant.3	DSI1	DFT-s-OFDM	SA	Left Cheek	0	633334	3500.01	1	271	0.03	0.168	23.29	24.00	1.178	0.198	/
	DSI1			Left Tilt	0	633334	3500.01	1	271	0.12	0.071	23.29	24.00	1.178	0.084	/
	DSI1			Right Cheek	0	633334	3500.01	1	271	0.08	0.339	23.29	24.00	1.178	0.399	/
	DSI1			Right Tilt	0	633334	3500.01	1	271	0.12	0.127	23.29	24.00	1.178	0.150	/
	DSI1			Left Cheek	0	633334	3500.01	135	69	-0.02	0.196	23.50	24.00	1.122	0.220	/
	DSI1			Left Tilt	0	633334	3500.01	135	69	0.08	0.077	23.50	24.00	1.122	0.086	/
	DSI1			Right Cheek	0	633334	3500.01	135	69	-0.09	0.401	23.50	24.00	1.122	0.450	/
	DSI1			Right Tilt	0	633334	3500.01	135	69	-0.05	0.154	23.50	24.00	1.122	0.173	/
Ant.5	DSI1	DFT-s-OFDM	SA	Left Cheek	0	633334	3500.01	1	271	0.09	0.576	18.60	19.50	1.230	0.708	/
	DSI1			Left Tilt	0	633334	3500.01	1	271	-0.06	0.652	18.60	19.50	1.230	0.802	/
	DSI1			Right Cheek	0	633334	3500.01	1	271	0.01	0.528	18.60	19.50	1.230	0.649	/
	DSI1			Right Tilt	0	633334	3500.01	1	271	0.12	0.609	18.60	19.50	1.230	0.749	/
	DSI1			Left Cheek	0	633334	3500.01	135	138	0.06	0.625	18.70	19.50	1.202	0.751	/
	DSI1			Left Tilt	0	633334	3500.01	135	138	-0.09	0.671	18.70	19.50	1.202	0.807	/
	DSI1			Right Cheek	0	633334	3500.01	135	138	-0.03	0.585	18.70	19.50	1.202	0.703	/
	DSI1			Right Tilt	0	633334	3500.01	135	138	-0.09	0.655	18.70	19.50	1.202	0.787	/
	DSI1			Left Tilt	0	633334	3500.01	270	0	-0.12	0.740	18.36	19.50	1.300	0.962	113#
Ant.7	DSI1	DFT-s-OFDM	SA	Left Cheek	0	633334	3500.01	1	137	0.05	0.740	20.36	21.00	1.159	0.858	/
	DSI1			Left Tilt	0	633334	3500.01	1	137	0.08	0.389	20.36	21.00	1.159	0.451	/
	DSI1			Right Cheek	0	633334	3500.01	1	137	-0.09	0.203	20.36	21.00	1.159	0.235	/
	DSI1			Right Tilt	0	633334	3500.01	1	137	0.10	0.215	20.36	21.00	1.159	0.249	/
	DSI1			Left Cheek	0	633334	3500.01	135	69	0.04	0.762	20.39	21.00	1.151	0.877	/
	DSI1			Left Tilt	0	633334	3500.01	135	69	0.05	0.449	20.39	21.00	1.151	0.517	/
	DSI1			Right Cheek	0	633334	3500.01	135	69	0.14	0.218	20.39	21.00	1.151	0.251	/
	DSI1			Right Tilt	0	633334	3500.01	135	69	-0.07	0.230	20.39	21.00	1.151	0.265	/
	DSI1			Left Cheek	0	633334	3500.01	270	0	-0.01	0.822	20.32	21.00	1.169	0.961	/
Body-worn																

Ant.2	DSI3	DFT-s-	SA	Front Side	5	633334	3500.01	1	137	0.10	0.123	20.19	21.00	1.205	0.148	/	
	DSI3			Back Side	5	633334	3500.01	1	137	0.10	0.406	20.19	21.00	1.205	0.489	/	
	DSI3	BPSK		Front Side	5	633334	3500.01	135	69	0.05	0.176	20.32	21.00	1.169	0.206	/	
	DSI3			Back Side	5	633334	3500.01	135	69	0.06	0.660	20.32	21.00	1.169	0.772	/	
Ant.3	DSI3	DFT-s-	SA	Front Side	5	633334	3500.01	1	137	0.06	0.148	19.40	20.00	1.148	0.170	/	
	DSI3			Back Side	5	633334	3500.01	1	137	0.04	0.810	19.40	20.00	1.148	0.930	/	
	DSI3	OFDM		Front Side	5	633334	3500.01	135	69	0.09	0.155	19.33	20.00	1.167	0.181	/	
	DSI3			Back Side	5	633334	3500.01	135	69	0.13	0.845	19.33	20.00	1.167	0.986	114#	
	DSI3	BPSK		Back Side	5	633334	3500.01	270	0	0.02	0.756	18.95	20.00	1.274	0.963	/	
Ant.5	DSI3	DFT-s-	SA	Front Side	5	633334	3500.01	1	1	0.15	0.213	18.37	19.00	1.156	0.246	/	
	DSI3			Back Side	5	633334	3500.01	1	1	-0.13	0.638	18.37	19.00	1.156	0.738	/	
	DSI3	OFDM		Front Side	5	633334	3500.01	135	138	0.10	0.219	18.23	19.00	1.194	0.261	/	
	DSI3			Back Side	5	633334	3500.01	135	138	0.09	0.672	18.23	19.00	1.194	0.802	/	
	DSI3	BPSK		Back Side	5	633334	3500.01	270	0	0.03	0.635	18.27	19.00	1.183	0.751	/	
Ant.7	DSI3	DFT-s-	SA	Front Side	5	633334	3500.01	1	271	0.13	0.172	19.48	20.00	1.127	0.194	/	
	DSI3			Back Side	5	633334	3500.01	1	271	0.00	0.537	19.48	20.00	1.127	0.605	/	
	DSI3	OFDM		Front Side	5	633334	3500.01	135	0	-0.01	0.169	19.34	20.00	1.164	0.197	/	
	DSI3			Back Side	5	633334	3500.01	135	0	0.07	0.532	19.34	20.00	1.164	0.619	/	
Hotspot																	
Ant.2	DSI5	DFT-s-	SA	Front Side	10	633334	3500.01	1	137	0.13	0.138	20.19	21.00	1.205	0.166	/	
	DSI5			Back Side	10	633334	3500.01	1	137	-0.05	0.290	20.19	21.00	1.205	0.349	/	
	DSI5			Left Edge	10	633334	3500.01	1	137	0.09	0.171	20.19	21.00	1.205	0.206	/	
	DSI5			Top Edge	10	633334	3500.01	1	137	0.15	0.154	20.19	21.00	1.205	0.186	/	
	DSI5			BPSK	Front Side	10	633334	3500.01	135	69	-0.15	0.143	20.32	21.00	1.169	0.167	/
	DSI5				Back Side	10	633334	3500.01	135	69	-0.06	0.301	20.32	21.00	1.169	0.352	/
	DSI5			Left Edge	10	633334	3500.01	135	69	0.13	0.178	20.32	21.00	1.169	0.208	/	
	DSI5			Top Edge	10	633334	3500.01	135	69	-0.14	0.159	20.32	21.00	1.169	0.186	/	
Ant.3	DSI5	DFT-s-	SA	Front Side	10	633334	3500.01	1	137	-0.14	0.081	20.38	21.00	1.153	0.093	/	
	DSI5			Back Side	10	633334	3500.01	1	137	-0.04	0.386	20.38	21.00	1.153	0.445	/	
	DSI5	OFDM		Left Edge	10	633334	3500.01	1	137	-0.08	0.394	20.38	21.00	1.153	0.454	/	
	DSI5			Front Side	10	633334	3500.01	135	69	-0.01	0.085	20.31	21.00	1.172	0.100	/	
	DSI5	BPSK		Back Side	10	633334	3500.01	135	69	0.09	0.404	20.31	21.00	1.172	0.473	/	
	DSI5			Left Edge	10	633334	3500.01	135	69	-0.03	0.410	20.31	21.00	1.172	0.481	/	
Ant.5	DSI5	DFT-s-	SA	Front Side	10	633334	3500.01	1	1	-0.12	0.121	19.38	20.00	1.153	0.140	/	
	DSI5			Back Side	10	633334	3500.01	1	1	0.07	0.369	19.38	20.00	1.153	0.425	/	
	DSI5	OFDM		Top Edge	10	633334	3500.01	1	1	-0.13	0.365	19.38	20.00	1.153	0.421	/	
	DSI5			Front Side	10	633334	3500.01	135	69	0.00	0.130	19.32	20.00	1.169	0.152	/	
	DSI5	BPSK		Back Side	10	633334	3500.01	135	69	-0.02	0.423	19.32	20.00	1.169	0.494	115#	
	DSI5			Top Edge	10	633334	3500.01	135	69	0.14	0.388	19.32	20.00	1.169	0.454	/	
Ant.7	DSI5	DFT-s-	SA	Front Side	10	633334	3500.01	1	271	0.05	0.073	19.48	20.00	1.127	0.082	/	
	DSI5			Back Side	10	633334	3500.01	1	271	-0.13	0.179	19.48	20.00	1.127	0.202	/	
	DSI5	OFDM		Right Edge	10	633334	3500.01	1	271	0.07	0.158	19.48	20.00	1.127	0.178	/	
	DSI5			BPSK	Top Edge	10	633334	3500.01	1	271	0.15	0.061	19.48	20.00	1.127	0.069	/

	DSI5			Front Side	10	633334	3500.01	135	0	-0.08	0.077	19.34	20.00	1.164	0.090	/
	DSI5			Back Side	10	633334	3500.01	135	0	0.08	0.222	19.34	20.00	1.164	0.258	/
	DSI5			Right Edge	10	633334	3500.01	135	0	-0.08	0.181	19.34	20.00	1.164	0.211	/
	DSI5			Top Edge	10	633334	3500.01	135	0	-0.04	0.062	19.34	20.00	1.164	0.072	/

12.39 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	137	-0.02	0.271	22.99	24.00	1.262	0.342	/
	DSI1			Left Tilt	0	650000	3750	1	137	-0.01	0.206	22.99	24.00	1.262	0.260	/
	DSI1			Right Cheek	0	650000	3750	1	137	-0.04	0.538	22.99	24.00	1.262	0.679	/
	DSI1			Right Tilt	0	650000	3750	1	137	-0.07	0.421	22.99	24.00	1.262	0.531	/
	DSI1			Left Cheek	0	650000	3750	135	0	0.08	0.283	23.08	24.00	1.236	0.350	/
	DSI1			Left Tilt	0	650000	3750	135	0	0.10	0.215	23.08	24.00	1.236	0.266	/
	DSI1			Right Cheek	0	650000	3750	135	0	-0.01	0.595	23.08	24.00	1.236	0.735	/
	DSI1			Right Tilt	0	650000	3750	135	0	0.07	0.456	23.08	24.00	1.236	0.564	/
Ant.3	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	650000	3750	1	271	-0.06	0.157	22.95	24.00	1.274	0.200	/
	DSI1			Left Tilt	0	650000	3750	1	271	-0.03	0.051	22.95	24.00	1.274	0.065	/
	DSI1			Right Cheek	0	650000	3750	1	271	-0.13	0.314	22.95	24.00	1.274	0.400	/
	DSI1			Right Tilt	0	650000	3750	1	271	-0.04	0.113	22.95	24.00	1.274	0.144	/
	DSI1			Left Cheek	0	650000	3750	135	69	0.09	0.163	22.85	24.00	1.303	0.212	/
	DSI1			Left Tilt	0	650000	3750	135	69	0.11	0.059	22.85	24.00	1.303	0.077	/
	DSI1			Right Cheek	0	650000	3750	135	69	-0.04	0.337	22.85	24.00	1.303	0.439	/
	DSI1			Right Tilt	0	650000	3750	135	69	-0.04	0.124	22.85	24.00	1.303	0.162	/
Ant.5	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	650000	3750	1	137	0.09	0.714	18.70	19.50	1.202	0.858	/
	DSI1			Left Tilt	0	650000	3750	1	137	0.12	0.681	18.70	19.50	1.202	0.819	/
	DSI1			Right Cheek	0	650000	3750	1	137	0.09	0.574	18.70	19.50	1.202	0.690	/
	DSI1			Right Tilt	0	650000	3750	1	137	-0.13	0.641	18.70	19.50	1.202	0.770	/
	DSI1			Left Cheek	0	650000	3750	135	69	-0.05	0.775	18.99	19.50	1.125	0.872	/
	DSI1			Left Tilt	0	650000	3750	135	69	-0.03	0.749	18.99	19.50	1.125	0.843	/
	DSI1			Right Cheek	0	650000	3750	135	69	-0.09	0.634	18.99	19.50	1.125	0.713	/
	DSI1			Right Tilt	0	650000	3750	135	69	-0.15	0.707	18.99	19.50	1.125	0.795	/
	DSI1			Left Cheek	0	650000	3750	270	0	0.03	0.751	18.92	19.50	1.143	0.858	/
	DSI1			Right Cheek	0	650000	3750	270	0	-0.10	0.703	18.92	19.50	1.143	0.804	/
Ant.7	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	650000	3750	1	271	-0.03	0.714	20.35	21.00	1.161	0.829	/
	DSI1			Left Tilt	0	650000	3750	1	271	0.07	0.287	20.35	21.00	1.161	0.333	/
	DSI1			Right Cheek	0	650000	3750	1	271	0.12	0.185	20.35	21.00	1.161	0.215	/
	DSI1			Right Tilt	0	650000	3750	1	271	0.01	0.143	20.35	21.00	1.161	0.166	/
	DSI1			Left Cheek	0	650000	3750	135	0	0.13	0.770	20.32	21.00	1.169	0.900	116#
	DSI1			Left Tilt	0	650000	3750	135	0	0.03	0.304	20.32	21.00	1.169	0.355	/
	DSI1			Right Cheek	0	650000	3750	135	0	-0.11	0.210	20.32	21.00	1.169	0.245	/
	DSI1			Right Tilt	0	650000	3750	135	0	0.11	0.153	20.32	21.00	1.169	0.179	/
	DSI1			Left Cheek	0	650000	3750	270	0	0.03	0.690	20.24	21.00	1.191	0.822	/
Body-worn																

Ant.2	DSI3	DFT-s-OFDM BPSK	SA	Front Side	5	650000	3750	1	137	-0.12	0.155	20.12	21.00	1.225	0.190	/
	DSI3			Back Side	5	650000	3750	1	137	0.06	0.438	20.12	21.00	1.225	0.537	/
	DSI3			Front Side	5	650000	3750	135	69	0.11	0.155	20.03	21.00	1.250	0.194	/
	DSI3			Back Side	5	650000	3750	135	69	-0.02	0.442	20.03	21.00	1.250	0.553	/
Ant.3	DSI3	DFT-s-OFDM BPSK	SA	Front Side	5	650000	3750	1	271	0.05	0.085	19.10	20.00	1.230	0.105	/
	DSI3			Back Side	5	650000	3750	1	271	-0.10	0.591	19.10	20.00	1.230	0.727	/
	DSI3			Front Side	5	650000	3750	135	69	-0.10	0.095	19.06	20.00	1.242	0.118	/
	DSI3			Back Side	5	650000	3750	135	69	-0.04	0.631	19.06	20.00	1.242	0.784	/
Ant.5	DSI3	DFT-s-OFDM BPSK	SA	Front Side	5	650000	3750	1	271	0.03	0.181	18.36	19.00	1.159	0.210	/
	DSI3			Back Side	5	650000	3750	1	271	-0.09	0.590	18.36	19.00	1.159	0.684	/
	DSI3			Front Side	5	650000	3750	135	0	-0.02	0.197	18.30	19.00	1.175	0.231	/
	DSI3			Back Side	5	650000	3750	135	0	0.10	0.662	18.30	19.00	1.175	0.778	/
Ant.7	DSI3	DFT-s-OFDM BPSK	SA	Front Side	5	650000	3750	1	271	0.03	0.274	19.19	20.00	1.205	0.330	/
	DSI3			Back Side	5	650000	3750	1	271	0.04	0.781	19.19	20.00	1.205	0.941	/
	DSI3			Front Side	5	650000	3750	135	138	0.09	0.269	19.44	20.00	1.138	0.306	/
	DSI3			Back Side	5	650000	3750	135	138	-0.08	0.847	19.44	20.00	1.138	0.964	117#
	DSI3			Back Side	5	650000	3750	270	0	0.04	0.775	19.36	20.00	1.159	0.898	/
Hotspot																
Ant.2	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	650000	3750	1	137	0.10	0.136	20.12	21.00	1.225	0.167	/
	DSI5			Back Side	10	650000	3750	1	137	0.02	0.305	20.12	21.00	1.225	0.374	/
	DSI5			Left Edge	10	650000	3750	1	137	0.08	0.258	20.12	21.00	1.225	0.316	/
	DSI5			Top Edge	10	650000	3750	1	137	0.05	0.156	20.12	21.00	1.225	0.191	/
	DSI5			Front Side	10	650000	3750	135	69	0.02	0.132	20.03	21.00	1.250	0.165	/
	DSI5			Back Side	10	650000	3750	135	69	0.12	0.277	20.03	21.00	1.250	0.346	/
	DSI5			Left Edge	10	650000	3750	135	69	-0.12	0.228	20.03	21.00	1.250	0.285	/
	DSI5			Top Edge	10	650000	3750	135	69	0.06	0.140	20.03	21.00	1.250	0.175	/
Ant.3	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	650000	3750	1	271	-0.12	0.056	20.08	21.00	1.236	0.069	/
	DSI5			Back Side	10	650000	3750	1	271	0.11	0.263	20.08	21.00	1.236	0.325	/
	DSI5			Left Edge	10	650000	3750	1	271	-0.08	0.285	20.08	21.00	1.236	0.352	/
	DSI5			Front Side	10	650000	3750	135	69	-0.07	0.060	20.04	21.00	1.247	0.075	/
	DSI5			Back Side	10	650000	3750	135	69	-0.03	0.272	20.04	21.00	1.247	0.339	/
	DSI5			Left Edge	10	650000	3750	135	69	0.08	0.324	20.04	21.00	1.247	0.404	/
Ant.5	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	650000	3750	1	271	-0.05	0.126	19.44	20.00	1.138	0.143	/
	DSI5			Back Side	10	650000	3750	1	271	0.07	0.345	19.44	20.00	1.138	0.393	/
	DSI5			Top Edge	10	650000	3750	1	271	0.01	0.270	19.44	20.00	1.138	0.307	/
	DSI5			Front Side	10	650000	3750	135	0	-0.15	0.134	19.38	20.00	1.153	0.155	/
	DSI5			Back Side	10	650000	3750	135	0	0.05	0.383	19.38	20.00	1.153	0.442	118#
	DSI5			Top Edge	10	650000	3750	135	0	-0.15	0.298	19.38	20.00	1.153	0.344	/
Ant.7	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	650000	3750	1	137	0.08	0.166	19.19	20.00	1.205	0.200	/
	DSI5			Back Side	10	650000	3750	1	137	-0.15	0.361	19.19	20.00	1.205	0.435	/
	DSI5			Right Edge	10	650000	3750	1	137	0.07	0.365	19.19	20.00	1.205	0.440	/
	DSI5			Top Edge	10	650000	3750	1	137	0.11	0.055	19.19	20.00	1.205	0.066	/
	DSI5			Front Side	10	650000	3750	135	138	0.14	0.127	19.44	20.00	1.138	0.145	/

	DSI5			Back Side	10	650000	3750	135	138	0.08	0.348	19.44	20.00	1.138	0.396	/
	DSI5			Right Edge	10	650000	3750	135	138	0.01	0.291	19.44	20.00	1.138	0.331	/
	DSI5			Top Edge	10	650000	3750	135	138	-0.01	0.046	19.44	20.00	1.138	0.052	/

12.40 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	1	2412	-0.07	0.299	14.02	14.50	1.117	99.47	1.005	0.336	119#
	Level1	802.11 b	Left Tilt	0	1	2412	-0.14	0.185	14.02	14.50	1.117	99.47	1.005	0.208	/
	Level1	802.11 b	Right Cheek	0	1	2412	0.13	0.093	14.02	14.50	1.117	99.47	1.005	0.104	/
	Level1	802.11 b	Right Tilt	0	1	2412	-0.02	0.106	14.02	14.50	1.117	99.47	1.005	0.119	/
Body-Wron															
Ant.6	Level2	802.11 b	Front Side	5	11	2462	-0.05	0.189	15.22	16.50	1.343	99.47	1.005	0.255	/
	Level2	802.11 b	Back Side	5	11	2462	0.01	0.329	15.22	16.50	1.343	99.47	1.005	0.444	120#
Hotspot															
Ant.6	Level2	802.11 b	Front Side	10	11	2462	0.02	0.083	15.22	16.50	1.343	99.47	1.005	0.112	/
	Level2	802.11 b	Back Side	10	11	2462	0.10	0.139	15.22	16.50	1.343	99.47	1.005	0.188	121#
	Level2	802.11 b	Right Edge	10	11	2462	0.08	0.055	15.22	16.50	1.343	99.47	1.005	0.074	/
	Level2	802.11 b	Top Edge	10	11	2462	0.09	0.085	15.22	16.50	1.343	99.47	1.005	0.115	/

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	Level2	802.11 b	Front Side	0	11	2462	-0.14	0.371	15.22	16.50	1.343	99.47	1.005	0.501	/
	Level2	802.11 b	Back Side	0	11	2462	0.05	0.328	15.22	16.50	1.343	99.47	1.005	0.443	/
	Level2	802.11 b	Right Edge	0	11	2462	0.07	0.224	15.22	16.50	1.343	99.47	1.005	0.302	/
	Level2	802.11 b	Top Edge	0	11	2462	-0.04	0.389	15.22	16.50	1.343	99.47	1.005	0.525	122#

12.41 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	5.3G	Level1	802.11n (HT40)	Left Cheek	0	54	5270	0.00	0.053	9.71	11.50	1.510	94.79	1.055	0.084	/
	5.3G	Level1	802.11n (HT40)	Left Tilt	0	54	5270	0.02	0.182	9.71	11.50	1.510	94.79	1.055	0.290	123#
	5.3G	Level1	802.11n (HT40)	Right Cheek	0	54	5270	-0.12	0.048	9.71	11.50	1.510	94.79	1.055	0.076	/
	5.3G	Level1	802.11n (HT40)	Right Tilt	0	54	5270	-0.09	0.043	9.71	11.50	1.510	94.79	1.055	0.069	/
Ant.6	5.6G	Level1	802.11n (HT40)	Left Cheek	0	118	5590	0.10	0.186	9.56	11.50	1.563	94.79	1.055	0.307	/
	5.6G	Level1	802.11n (HT40)	Left Tilt	0	118	5590	0.09	0.206	9.56	11.50	1.563	94.79	1.055	0.340	124#
	5.6G	Level1	802.11n (HT40)	Right Cheek	0	118	5590	-0.03	0.131	9.56	11.50	1.563	94.79	1.055	0.216	/
	5.6G	Level1	802.11n (HT40)	Right Tilt	0	118	5590	0.15	0.161	9.56	11.50	1.563	94.79	1.055	0.265	/
Ant.6	5.6G	Level1	802.11n (HT40)	Left Cheek	0	159	5795	0.06	0.171	10.15	11.50	1.365	94.79	1.055	0.246	/
	5.6G	Level1	802.11n (HT40)	Left Tilt	0	159	5795	0.14	0.185	10.15	11.50	1.365	94.79	1.055	0.266	125#
	5.6G	Level1	802.11n (HT40)	Right Cheek	0	159	5795	-0.11	0.129	10.15	11.50	1.365	94.79	1.055	0.186	/
	5.6G	Level1	802.11n (HT40)	Right Tilt	0	159	5795	0.10	0.132	10.15	11.50	1.365	94.79	1.055	0.190	/
Body-worn																

Ant.6	5.3G	Level2	802.11 ac (VHT80)	Front Side	5	58	5290	0.10	0.068	8.01	9.00	1.256	87.58	1.142	0.098	/
	5.3G	Level2	802.11 ac (VHT80)	Back Side	5	58	5290	-0.07	0.160	8.01	9.00	1.256	87.58	1.142	0.229	126#
Ant.6	5.6G	Level2	802.11 ac (VHT80)	Front Side	5	106	5530	-0.15	0.067	8.09	9.00	1.233	87.58	1.142	0.094	/
	5.6G	Level2	802.11 ac (VHT80)	Back Side	5	106	5530	0.02	0.177	8.09	9.00	1.233	87.58	1.142	0.249	127#
Ant.6	5.8G	Level2	802.11 ac (VHT80)	Front Side	5	155	5775	-0.08	0.039	8.05	9.00	1.245	87.58	1.142	0.055	/
	5.8G	Level2	802.11 ac (VHT80)	Back Side	5	155	5775	0.06	0.128	8.05	9.00	1.245	87.58	1.142	0.182	128#
Hotspot																
Ant.6	5.2G	Level2	802.11 ac (VHT80)	Front Side	10	42	5210	0.06	0.017	7.57	9.00	1.390	87.58	1.142	0.027	/
	5.2G	Level2	802.11 ac (VHT80)	Back Side	10	42	5210	0.02	0.031	7.57	9.00	1.390	87.58	1.142	0.049	129#
	5.2G	Level2	802.11 ac (VHT80)	Right Edge	10	42	5210	-0.06	0.012	7.57	9.00	1.390	87.58	1.142	0.019	/
	5.2G	Level2	802.11 ac (VHT80)	Top Edge	10	42	5210	-0.15	0.029	7.57	9.00	1.390	87.58	1.142	0.046	/
Ant.6	5.8G	Level2	802.11 ac (VHT80)	Front Side	10	155	5775	0.01	0.015	8.05	9.00	1.245	87.58	1.142	0.021	/
	5.8G	Level2	802.11 ac (VHT80)	Back Side	10	155	5775	0.09	0.062	8.05	9.00	1.245	87.58	1.142	0.088	130#
	5.8G	Level2	802.11 ac (VHT80)	Right Edge	10	155	5775	-0.05	0.023	8.05	9.00	1.245	87.58	1.142	0.033	/
	5.8G	Level2	802.11 ac (VHT80)	Top Edge	10	155	5775	-0.04	0.054	8.05	9.00	1.245	87.58	1.142	0.077	/

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	5.3G	Level2	802.11 ac (VHT80)	Front Side	0	58	5290	-0.13	0.055	8.01	9.00	1.256	87.58	1.142	0.079	/
	5.3G	Level2	802.11 ac (VHT80)	Back Side	0	58	5290	0.02	0.034	8.01	9.00	1.256	87.58	1.142	0.049	/
	5.3G	Level2	802.11 ac (VHT80)	Right Edge	0	58	5290	-0.01	0.019	8.01	9.00	1.256	87.58	1.142	0.027	/
	5.3G	Level2	802.11 ac (VHT80)	Top Edge	0	58	5290	0.16	0.074	8.01	9.00	1.256	87.58	1.142	0.106	131#
Ant.6	5.6G	Level2	802.11 ac (VHT80)	Front Side	0	106	5530	-0.07	0.051	8.09	9.00	1.233	87.58	1.142	0.072	/
	5.6G	Level2	802.11 ac (VHT80)	Back Side	0	106	5530	-0.11	0.048	8.09	9.00	1.233	87.58	1.142	0.068	/
	5.6G	Level2	802.11 ac (VHT80)	Right Edge	0	106	5530	-0.12	0.031	8.09	9.00	1.233	87.58	1.142	0.044	/
	5.6G	Level2	802.11 ac (VHT80)	Top Edge	0	106	5530	0.03	0.089	8.09	9.00	1.233	87.58	1.142	0.125	132#
Ant.6	5.8G	Level2	802.11 ac (VHT80)	Front Side	0	155	5775	-0.07	0.026	8.05	9.00	1.245	87.58	1.142	0.037	/
	5.8G	Level2	802.11 ac (VHT80)	Back Side	0	155	5775	0.15	0.039	8.05	9.00	1.245	87.58	1.142	0.055	/
	5.8G	Level2	802.11 ac (VHT80)	Right Edge	0	155	5775	0.13	0.023	8.05	9.00	1.245	87.58	1.142	0.033	/
	5.8G	Level2	802.11 ac (VHT80)	Top Edge	0	155	5775	0.18	0.065	8.05	9.00	1.245	87.58	1.142	0.092	133#

12.42 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	-0.11	0.160	11.15	11.50	1.084	76.81	1.302	0.226	134#
	DH5	Left Tilt	0	39	2441	-0.01	0.118	11.15	11.50	1.084	76.81	1.302	0.167	/
	DH5	Right Cheek	0	39	2441	-0.09	0.070	11.15	11.50	1.084	76.81	1.302	0.099	/
	DH5	Right Tilt	0	39	2441	0.01	0.073	11.15	11.50	1.084	76.81	1.302	0.103	/
Body-Wron-FCC														
Ant.6	DH5	Front Side	5	39	2441	-0.09	0.073	11.15	11.50	1.084	76.81	1.302	0.103	/
	DH5	Back Side	5	39	2441	-0.02	0.151	11.15	11.50	1.084	76.81	1.302	0.213	135#
Hotspot														
Ant.6	DH5	Front Side	10	39	2441	-0.03	0.043	11.15	11.50	1.084	76.81	1.302	0.061	/
	DH5	Back Side	10	39	2441	0.02	0.076	11.15	11.50	1.084	76.81	1.302	0.107	136#
	DH5	Right Edge	10	39	2441	0.03	0.029	11.15	11.50	1.084	76.81	1.302	0.041	/
	DH5	Top Edge	10	39	2441	-0.10	0.045	11.15	11.50	1.084	76.81	1.302	0.064	/
Specific														
Ant.6	DH5	Front Side	0	39	2441	-0.14	0.119	11.15	11.50	1.084	76.81	1.302	0.168	/
	DH5	Back Side	0	39	2441	-0.05	0.120	11.15	11.50	1.084	76.81	1.302	0.169	/
	DH5	Right Edge	0	39	2441	0.07	0.071	11.15	11.50	1.084	76.81	1.302	0.100	/
	DH5	Top Edge	0	39	2441	0.08	0.184	11.15	11.50	1.084	76.81	1.302	0.260	137#

12.43 NFC SAR

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

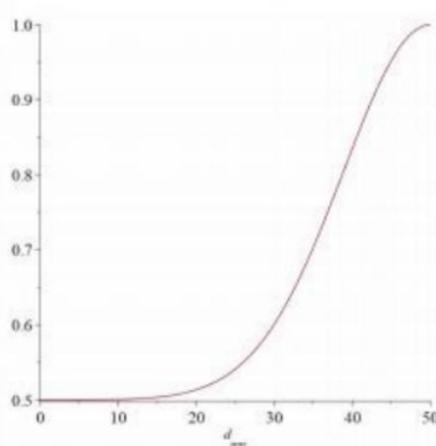
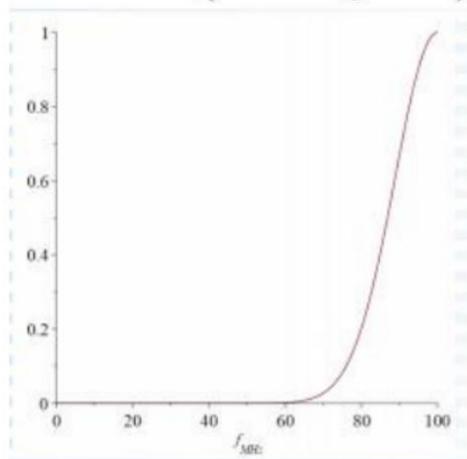
$$P_{7X}(d_{mm}, f_{MHz}) := \begin{cases} P_{6S}(d_{mm}, f_{MHz}) & f_{MHz} \leq 100 \\ P_{6to7}(d_{mm}, f_{MHz}) & 100 < f_{MHz} \leq 300 \\ P_7(d_{mm}, f_{MHz}) & 300 < f_{MHz} \end{cases}$$

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

$$S_f(f_{MHz}) \cdot P_{431a}(d_{mm}, f_{MHz}) + (1 - S_f(f_{MHz})) \cdot S_d(d_{mm}) \cdot P_{431b1}(50., 100.) \cdot \left(1. + \log_{10} \left(\frac{100.}{f_{MHz}} \right) \right) \quad d_{mm} \leq 50 \text{ and } f_{MHz} \leq 100$$

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

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



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

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

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

- a) Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
- b) Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the 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: $E = ERP - 20\log D + 104.8$

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	56.74	10	6	-22.06

Note:

1. Add the appropriate maximum ground reflection factor to the ERP level (6 dB for frequencies ≤ 30 MHz).

2.ERP= 56.74+20*Log(10) - 104.8 + 6 =-22.06 (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)	-22.06	Pmeas.(mW)	0.00622
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 1.591 [W/kg]. Therefore, the worst TER = (1.592+0.001)/1.6 = 0.996 < 1, the NFC SAR transmit simultaneously Pass.

13 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 ^{1st} Measured SAR (W/kg)	Largest to Smallest SAR Ratio
824.2	GSM850	Head	Right Cheek	0.831	Yes	0.826	1.01
2510	LTE Band7	Head	Right Tilt	0.850	Yes	0.841	1.01
3590	LTE Band42	Head	Left Tilt	0.839	Yes	0.816	1.03
1870	NR n2	Body-worn	Back Side	0.894	Yes	0.882	1.01
2545	NR n7	Head	Right Tilt	0.898	Yes	0.874	1.03
1732.5	NR n66	Head	Right Tilt	0.866	Yes	0.853	1.02
2590	NR n38	Head	Right Tilt	0.829	Yes	0.818	1.01
2595	NR n38	Body-worn	Back Side	0.805	Yes	0.775	1.04
2592.99	NR n41	Body-worn	Back Side	0.831	Yes	0.830	1.00
3624.99	NR n48	Head	Left Tilt	0.823	Yes	0.815	1.01
3600	NR n48	Body-worn	Back Side	0.826	Yes	0.810	1.02
3500.01	NR n77	Head	Left Cheek	0.851	Yes	0.828	1.03

3840	NR n77	Body-worn	Back Side	0.903	Yes	0.885	1.02
3500.01	NR n78	Head	Left Cheek	0.822	Yes	0.793	1.04
3500.01	NR n78	Body-worn	Back Side	0.845	Yes	0.837	1.01

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.

14 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).

14.1 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:

- WiFi 2.4G and Bluetooth share the same antenna, and can't transmit simultaneously.
- The maximum SAR summation is calculated based on the same configuration and test position.
- 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.
- 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.

14.2 Sum SAR of Simultaneous Transmission

Please refer the document "BL-SZ2560099-AST.pdf".

15 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
Data Acquisition Electronics	Speag	DAE4	SN: 1423	2025/06/05	2026/06/04
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
E-Field Probe	Speag	EX3DV4	SN: 3974	2025/06/05	2026/06/04
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	2025/05/21	2026/05/20
Wireless Communication Test Set	R&S	CMW500	126646	2024/10/30	2025/10/29
Network Analyzer	Agilent	E5071C	MY46103472	2024/09/11	2025/09/10
Thermometer	Elitech	RC-4HC	EF7216002985	2024/10/31	2025/10/30
Thermometer	Elitech	RC-4HC	EF720B004811	2024/10/31	2025/10/30
Thermometer	Elitech	RC-4HC	EF7239002655	2024/10/31	2025/10/30
Thermometer	Elitech	RC-4HC	EF7216002974	2024/10/31	2025/10/30
Thermometer	Elitech	RC-4HC	EF7239002652	2024/09/14	2025/09/13

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
Thermometer	Elitech	RC-4	EF5238001629	2024/09/11	2025/09/10
Thermometer	Elitech	RC-4HC	EF720B004817	2024/10/24	2025/10/23
Thermometer	Elitech	RC-4HC	EF720B004813	2024/10/24	2025/10/23
Power Amplifier	Mini-Circuits	ZVA-183W-S+	932502132	N/A	N/A
Dielectric Probe Kit	Speag	DAK3.5	SN: 1312	N/A	N/A
Phantom	Speag	SAM	SN: 2090	N/A	N/A
Phantom	Speag	SAM	SN: 1576	N/A	N/A
Phantom	Speag	SAM	SN: 1858	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	Liquid Type	Fre. (MHz)	Temp. (°C)	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ϵ)	Target Conductivity (σ) (S/m)	Target Permittivity (ϵ)	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2025.06.06	Head	750	21.5	0.91	40.75	0.89	41.94	2.25	-2.84
2025.06.07	Head	750	21.5	0.92	41.20	0.89	41.94	3.37	-1.76
2025.06.08	Head	750	21.4	0.90	40.86	0.89	41.94	1.12	-2.58
2025.06.09	Head	750	21.6	0.87	43.24	0.89	41.94	-2.25	3.10
2025.06.10	Head	750	21.3	0.91	41.11	0.89	41.94	2.25	-1.98
2025.06.11	Head	750	21.5	0.89	40.95	0.89	41.94	0.00	-2.36
2025.06.12	Head	835	21.7	0.91	41.34	0.90	41.50	1.11	-0.39
2025.06.13	Head	835	21.2	0.88	42.14	0.90	41.50	-2.22	1.54
2025.06.14	Head	835	21.6	0.91	42.52	0.90	41.50	1.11	2.46
2025.06.15	Head	835	21.5	0.91	42.92	0.90	41.50	1.11	3.42
2025.06.16	Head	835	21.8	0.89	42.20	0.90	41.50	-1.11	1.69
2025.06.17	Head	835	21.4	0.89	42.01	0.90	41.50	-1.11	1.23
2025.06.18	Head	835	21.3	0.90	41.70	0.90	41.50	0.00	0.48
2025.06.19	Head	1750	21.2	1.40	39.06	1.37	40.08	2.19	-2.54
2025.06.20	Head	1750	21.8	1.39	38.95	1.37	40.08	1.46	-2.82
2025.06.21	Head	1750	21.4	1.38	38.98	1.37	40.08	0.73	-2.74
2025.06.22	Head	1750	21.6	1.34	39.62	1.37	40.08	-2.19	-1.15
2025.06.23	Head	1750	21.4	1.41	39.56	1.37	40.08	2.92	-1.30
2025.06.24	Head	1750	21.6	1.36	40.02	1.37	40.08	-0.73	-0.15
2025.06.06	Head	1950	21.4	1.44	39.62	1.40	40.00	2.86	-0.95
2025.06.07	Head	1950	21.6	1.42	38.95	1.40	40.00	1.43	-2.63
2025.06.08	Head	1950	21.7	1.43	39.15	1.40	40.00	2.14	-2.13
2025.06.09	Head	1950	21.8	1.43	39.22	1.40	40.00	2.14	-1.95
2025.06.06	Head	2450	21.5	1.84	39.67	1.80	39.20	2.22	1.20
2025.06.10	Head	2450	21.4	1.75	38.40	1.80	39.20	-2.78	-2.04
2025.07.30	Head	2450	21.2	1.82	39.29	1.80	39.20	1.11	0.23
2025.06.11	Head	2600	21.7	1.98	37.80	1.96	39.01	1.02	-3.10
2025.06.12	Head	2600	21.6	1.97	37.87	1.96	39.01	0.51	-2.92
2025.06.13	Head	2600	21.8	1.97	37.99	1.96	39.01	0.51	-2.61
2025.06.14	Head	2600	21.6	1.99	38.12	1.96	39.01	1.53	-2.28
2025.06.15	Head	2600	21.8	2.01	38.67	1.96	39.01	2.55	-0.87
2025.06.16	Head	2600	21.4	1.93	38.24	1.96	39.01	-1.53	-1.97

2025.06.17	Head	2600	21.4	2.02	38.55	1.96	39.01	3.06	-1.18
2025.06.18	Head	2600	21.7	1.93	37.71	1.96	39.01	-1.53	-3.33
2025.06.19	Head	2600	21.5	1.98	39.32	1.96	39.01	1.02	0.79
2025.06.20	Head	2600	21.3	1.97	38.50	1.96	39.01	0.51	-1.31
2025.06.21	Head	2600	21.5	1.98	39.08	1.96	39.01	1.02	0.18
2025.06.22	Head	2600	21.7	1.97	39.55	1.96	39.01	0.51	1.38
2025.06.23	Head	2600	21.5	1.94	39.46	1.96	39.01	-1.02	1.15
2025.06.24	Head	2600	21.6	1.98	38.63	1.96	39.01	1.02	-0.97
2025.06.25	Head	3500	21.4	2.87	38.49	2.91	37.93	-1.37	1.48
2025.06.26	Head	3500	21.6	2.92	37.04	2.91	37.93	0.34	-2.35
2025.06.27	Head	3500	21.7	2.96	37.21	2.91	37.93	1.72	-1.90
2025.06.07	Head	3500	21.4	2.87	38.68	2.91	37.93	-1.37	1.98
2025.06.08	Head	3500	21.2	2.83	38.40	2.91	37.93	-2.75	1.24
2025.06.09	Head	3500	21.6	2.87	38.28	2.91	37.93	-1.37	0.92
2025.06.10	Head	3500	21.7	2.92	39.11	2.91	37.93	0.34	3.11
2025.06.11	Head	3500	21.5	2.83	38.19	2.91	37.93	-2.75	0.69
2025.06.12	Head	3500	21.5	2.90	38.93	2.91	37.93	-0.34	2.64
2025.06.13	Head	3500	21.4	2.84	38.80	2.91	37.93	-2.41	2.29
2025.06.25	Head	3700	21.8	3.11	36.38	3.12	37.70	-0.32	-3.50
2025.06.26	Head	3700	21.5	3.16	36.77	3.12	37.70	1.28	-2.47
2025.06.27	Head	3700	21.7	3.18	36.97	3.12	37.70	1.92	-1.94
2025.06.14	Head	3700	21.5	3.18	36.72	3.12	37.70	1.92	-2.60
2025.06.15	Head	3700	21.6	3.09	36.95	3.12	37.70	-0.96	-1.99
2025.06.16	Head	3700	21.5	3.16	36.69	3.12	37.70	1.28	-2.68
2025.06.17	Head	3700	21.6	3.20	36.66	3.12	37.70	2.56	-2.76
2025.06.18	Head	3700	21.2	3.06	37.82	3.12	37.70	-1.92	0.32
2025.06.19	Head	3700	21.7	3.09	38.35	3.12	37.70	-0.96	1.72
2025.06.20	Head	3700	21.5	3.12	36.62	3.12	37.70	0.00	-2.86
2025.06.21	Head	3700	21.4	3.10	37.56	3.12	37.70	-0.64	-0.37
2025.06.22	Head	3700	21.6	3.04	38.62	3.12	37.70	-2.56	2.44
2025.06.23	Head	3700	21.4	3.01	38.91	3.12	37.70	-3.53	3.21
2025.06.24	Head	3900	21.3	3.24	37.76	3.32	37.47	-2.41	0.77
2025.06.25	Head	3900	21.7	3.23	38.15	3.32	37.47	-2.71	1.81
2025.06.20	Head	3900	21.5	3.29	37.54	3.32	37.47	-0.90	0.19
2025.06.21	Head	3900	21.7	3.34	37.47	3.32	37.47	0.60	0.00
2025.06.22	Head	3900	21.6	3.42	38.07	3.32	37.47	3.01	1.60
2025.06.23	Head	3900	21.4	3.22	37.34	3.32	37.47	-3.01	-0.35
2025.06.24	Head	3900	21.5	3.27	38.64	3.32	37.47	-1.51	3.12
2025.06.25	Head	5250	21.2	4.77	35.26	4.71	35.93	1.27	-1.86
2025.06.26	Head	5600	21.3	5.11	35.88	5.07	35.53	0.79	0.99
2025.06.27	Head	5750	21.5	5.11	36.21	5.22	35.36	-2.11	2.40

Note: The tolerance limit of Conductivity and Permittivity is $\pm 5\%$.

ANNEX B SYSTEM CHECK RESULT

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

Head liquid 1g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2025.06.06	Head	750	100	0.854	8.54	8.46	0.95
2025.06.07	Head	750	100	0.837	8.37	8.46	-1.06
2025.06.08	Head	750	100	0.852	8.52	8.46	0.71
2025.06.09	Head	750	100	0.847	8.47	8.46	0.12
2025.06.10	Head	750	100	0.861	8.61	8.46	1.77
2025.06.11	Head	750	100	0.848	8.48	8.46	0.24
2025.06.12	Head	835	100	0.992	9.92	9.74	1.85
2025.06.13	Head	835	100	0.972	9.72	9.74	-0.21
2025.06.14	Head	835	100	0.975	9.75	9.74	0.10
2025.06.15	Head	835	100	0.964	9.64	9.74	-1.03
2025.06.16	Head	835	100	0.977	9.77	9.74	0.31
2025.06.17	Head	835	100	0.962	9.62	9.74	-1.23
2025.06.18	Head	835	100	0.963	9.63	9.74	-1.13
2025.06.19	Head	1750	100	3.730	37.30	37.00	0.81
2025.06.20	Head	1750	100	3.670	36.70	37.00	-0.81
2025.06.21	Head	1750	100	3.790	37.90	37.00	2.43
2025.06.22	Head	1750	100	3.730	37.30	37.00	0.81
2025.06.23	Head	1750	100	3.690	36.90	37.00	-0.27
2025.06.24	Head	1750	100	3.620	36.20	37.00	-2.16
2025.06.06	Head	1950	100	4.110	41.10	41.70	-1.44
2025.06.07	Head	1950	100	4.150	41.50	41.70	-0.48
2025.06.08	Head	1950	100	4.210	42.10	41.70	0.96
2025.06.09	Head	1950	100	4.140	41.40	41.70	-0.72
2025.06.06	Head	2450	100	5.220	52.20	52.60	-0.76
2025.06.10	Head	2450	100	5.290	52.90	52.60	0.57
2025.07.30	Head	2450	100	5.360	53.60	52.60	1.90
2025.06.11	Head	2600	100	5.620	56.20	55.90	0.54
2025.06.12	Head	2600	100	5.650	56.50	55.90	1.07
2025.06.13	Head	2600	100	5.570	55.70	55.90	-0.36
2025.06.14	Head	2600	100	5.490	54.90	55.90	-1.79
2025.06.15	Head	2600	100	5.520	55.20	55.90	-1.25
2025.06.16	Head	2600	100	5.500	55.00	55.90	-1.61
2025.06.17	Head	2600	100	5.650	56.50	55.90	1.07
2025.06.18	Head	2600	100	5.570	55.70	55.90	-0.36
2025.06.19	Head	2600	100	5.660	56.60	55.90	1.25

2025.06.20	Head	2600	100	5.530	55.30	55.90	-1.07
2025.06.21	Head	2600	100	5.560	55.60	55.90	-0.54
2025.06.22	Head	2600	100	5.520	55.20	55.90	-1.25
2025.06.23	Head	2600	100	5.580	55.80	55.90	-0.18
2025.06.24	Head	2600	100	5.520	55.20	55.90	-1.25
2025.06.25	Head	3500	100	6.790	67.90	68.00	-0.15
2025.06.26	Head	3500	100	8.190	81.90	81.30	0.74
2025.06.27	Head	3500	100	6.860	68.60	68.00	0.88
2025.06.07	Head	3500	100	6.810	68.10	68.00	0.15
2025.06.08	Head	3500	100	6.760	67.60	68.00	-0.59
2025.06.09	Head	3500	100	6.820	68.20	68.00	0.29
2025.06.10	Head	3500	100	6.870	68.70	68.00	1.03
2025.06.11	Head	3500	100	6.910	69.10	68.00	1.62
2025.06.12	Head	3500	100	6.870	68.70	68.00	1.03
2025.06.13	Head	3500	100	6.790	67.90	68.00	-0.15
2025.06.25	Head	3700	100	6.820	68.20	66.70	2.25
2025.06.26	Head	3700	100	6.770	67.70	66.70	1.50
2025.06.27	Head	3700	100	6.690	66.90	66.70	0.30
2025.06.14	Head	3700	100	6.660	66.60	66.70	-0.15
2025.06.15	Head	3700	100	6.710	67.10	66.70	0.60
2025.06.16	Head	3700	100	6.740	67.40	66.70	1.05
2025.06.17	Head	3700	100	6.690	66.90	66.70	0.30
2025.06.18	Head	3700	100	6.650	66.50	66.70	-0.30
2025.06.19	Head	3700	100	6.630	66.30	66.70	-0.60
2025.06.20	Head	3700	100	6.850	68.50	66.70	2.70
2025.06.21	Head	3700	100	6.810	68.10	66.70	2.10
2025.06.22	Head	3700	100	6.880	68.80	66.70	3.15
2025.06.23	Head	3700	100	6.810	68.10	66.70	2.10
2025.06.24	Head	3900	100	6.990	69.90	67.60	3.40
2025.06.25	Head	3900	100	6.910	69.10	67.60	2.22
2025.06.20	Head	3900	100	6.880	68.80	67.60	1.78
2025.06.21	Head	3900	100	6.930	69.30	67.60	2.51
2025.06.22	Head	3900	100	6.860	68.60	67.60	1.48
2025.06.23	Head	3900	100	6.920	69.20	67.60	2.37
2025.06.24	Head	3900	100	6.950	69.50	67.60	2.81
2025.06.25	Head	5250	100	7.530	75.30	77.70	-3.09
2025.06.26	Head	5600	100	8.220	82.20	81.30	1.11
2025.06.27	Head	5750	100	8.040	80.40	77.60	3.61
Note: The tolerance limit of System validation $\pm 10\%$.							

Head liquid 10g

Date	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2025.06.19	1750	100	1.960	19.60	19.70	-0.51
2025.06.20	1750	100	1.980	19.80	19.70	0.51
2025.06.21	1750	100	1.990	19.90	19.70	1.02
2025.06.22	1750	100	1.980	19.80	19.70	0.51
2025.06.23	1750	100	1.950	19.50	19.70	-1.02
2025.06.24	1750	100	1.920	19.20	19.70	-2.54
2025.06.06	1950	100	2.130	21.30	21.70	-1.84
2025.06.07	1950	100	2.190	21.90	21.70	0.92
2025.06.08	1950	100	2.150	21.50	21.70	-0.92
2025.06.09	1950	100	2.140	21.40	21.70	-1.38
2025.06.06	2450	100	2.520	25.20	24.70	2.02
2025.06.30	2450	100	2.430	24.30	24.70	-1.62
2025.06.11	2600	100	2.590	25.90	25.40	1.97
2025.06.12	2600	100	2.530	25.30	25.40	-0.39
2025.06.13	2600	100	2.550	25.50	25.40	0.39
2025.06.14	2600	100	2.510	25.10	25.40	-1.18
2025.06.15	2600	100	2.450	24.50	25.40	-3.54
2025.06.16	2600	100	2.430	24.30	25.40	-4.33
2025.06.17	2600	100	2.470	24.70	25.40	-2.76
2025.06.18	2600	100	2.520	25.20	25.40	-0.79
2025.06.19	2600	100	2.620	26.20	25.40	3.15
2025.06.20	2600	100	2.590	25.90	25.40	1.97
2025.06.21	2600	100	2.550	25.50	25.40	0.39
2025.06.22	2600	100	2.620	26.20	25.40	3.15
2025.06.23	2600	100	2.530	25.30	25.40	-0.39
2025.06.24	2600	100	2.620	26.20	25.40	3.15
2025.06.25	5250	100	2.220	22.20	22.00	0.91
2025.06.26	5600	100	2.350	23.50	23.10	1.73
2025.06.27	5750	100	2.210	22.10	21.90	0.91

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

Please refer the document "BL-SZ2560099-ASC.pdf".

ANNEX C TEST DATA

Please refer the document "BL-SZ2560099-ATD.pdf".

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document "BL-SZ2560099-AW.pdf".

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document "BL-SZ2560099-AS.pdf".

ANNEX F CALIBRATION REPORT

Please refer the document "BL-SZ2560099-AC.pdf".

ANNEX G TUNE-UP PROCEDURE

Please refer the document "BL-SZ2560099 AT.pdf".

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