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:	25118PC98G
Brand Name:	POCO
FCC ID:	2AFZZPC98G
Test Standard:	FCC 47 CFR Part 2.1093 (refer section 3.1)
Maximum SAR:	Head (1 g@0mm): 1.07 W/kg Body-worn (1 g@15mm): 0.53 W/kg Hotspot (1 g@10mm): 0.99 W/kg Specific (10 g@0mm): 2.56 W/kg
Sample Arrival Date:	Jul. 17, 2025
Test Date：	Aug. 10, 2025 – Aug. 18, 2025
Date of Issue:	Sep. 04, 2025

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

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

(Testing Director)

Zhang Jiwei Xu Rui Tolan Tu

Revision History

Version	Issue Date	Revisions Content
Rev. 01	Sep. 04, 2025	Initial Issue

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1 GENERAL INFORMATION

1.1 Test Laboratory

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

1.2 Test Location

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

1.3 Test Environment Condition

Ambient Temperature	18℃ to 25℃
Ambient Relative Humidity	30% to 70%

2 PRODUCT INFORMATION

2.1 Applicant Information

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

2.2 Manufacturer Information

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

2.3 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	25118PC98G
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	135300P17
Software Version	Xiaomi HyperOS 2.0
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A
EUT ID	SC-SZ2561150: S07, S08, S80, S81
IMEI Number	SC-SZ2561150-S07: IEMI1:863979070026167; IEMI2:863979070026175
	SC-SZ2561150-S08: IEMI1:863979070023149; IEMI2:863979070023156
	SC-SZ2561150-S80: IEMI1:863979070025409; IEMI2:863979070025417
	SC-SZ2561150-S81: IEMI1:863979070025383; IEMI2:863979070025391
Note 1: EUT ID is used to identify the test sample in the lab internally. Note 2: It is performed to test SAR with the EUT SC-SZ2561150: S08, S80, S81. Note 3: It is performed to conducted power with the EUT SC-SZ2561150: S07.	

2.4 Ancillary Equipment

Please refer the document “BL-SZ2571545-AW.PDF”.

2.5 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network FDD LTE Band 2/4/5/7/18/19/26/66/71 TDD LTE Band38/41/42/48 LTE CA Uplink (UL): CA_38C, CA_7C 5G Network SA: NR n2/5/7/38/41/48/66/71/77/78 NSA(EN-DC): DC_7A_n5A, DC_5A_n7A, DC_5A_n66A, DC_18A_n77A, DC_2A_n78A, DC_5A_n78A, DC_7A_n78A, DC_19A_78A, DC_26A_n78A, DC_38A_n78A, DC_41A_n78A Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20) 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80) GPS, GLONASS, Galileo, BDS, NFC
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, NR 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: 2110~2115 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 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 – 2200MHz
	LTE Band 71	TX: 663 ~ 698 MHz	RX: 617 ~ 652 MHz

	n2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	n5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	n7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	n38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	n41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	n48	TX: 3550 ~ 3700 MHz	RX: 3550 ~ 3700 MHz
	n66	TX: 1710 ~ 1780 MHz	RX: 1710 ~ 1780 MHz
	n71	TX: 663 ~ 698 MHz	RX: 617 ~ 652 MHz
	n77	TX: 3450 ~ 3550 MHz	RX: 3450 ~ 3550 MHz
		TX: 3700 ~ 3980 MHz	RX: 3700 ~ 3980 MHz
	n78	TX: 3450 ~ 3550 MHz	RX: 3450 ~ 3550 MHz
		TX: 3700 ~ 3800 MHz	RX: 3700 ~ 3800 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	☒ Production unit	☐ Identical prototype	

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

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

Note:
Compared with the EUT of test report BL-SZ2570858-701, the changes of the EUT of this report as below:
1. Changed model name from 25098RA98G to 25118PC98G.
2. Changed brand name form Redmi to POCO.
3. Added LTE B71, NR n71 by software and hardware.
4. Removed LTE band 12/13/17 and NR n12/ 26 by software and hardware.
5. Removed LTE ULCA combination CA_2A-4A, CA_4A-5A, CA_4A-7A, CA_2A-7A by software.
6. Removed ENDC combination DC_4A_n2A, DC_7A_n2A, DC_66A_n2A, DC_2A_n7A, DC_4A_n7A,DC_66A_n7A, DC_4A_n38A, DC_5A_n38A, DC_2A_n38A, DC_66A_n38A, DC_2A_n41A, DC_4A_n41A, DC_5A_n41A, DC_66A_n41A, DC_2A_n66A,DC_7A_n66A, DC_2A_n77A, DC_4A_n78A, DC_66A_n78A by software.
7. LTE B4/66, NR n66 band RF components has adjustments (delete switch SP2T).
8. Changed camera specification form 108M pixel + 8M pixel to 50M pixel + 2M pixel.

9. Changed FCC ID from FCC ID: 2AFZZ98GWQ to FCC ID: 2AFZZPC98G.
Other hardware circuit and software are the same as EUT referred in test report BL-SZ2570858-701.
Therefore, only the test data for LTE B71 and NR n71 and added the worst case sport check test data in section 11.8/11.10/11.13/11.19/11.29/11.31 and ANNEX A/B/C, others test data please refer to report BL-SZ2570858-701, by Shenzhen BALUN Technology Co., Ltd. on Aug, 22, 2025.

3.2 Device Category and SAR Limit

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

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

Table of Exposure Limits:

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

NOTE:

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

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

3.3 Test Result Summary

3.3.1 Highest SAR Values

Frequency Band		Maximum Report SAR			
		1g (W/kg)			10g (W/kg)
		Head	Body-worn	Hotspot	Specifc
		(Separation 0mm)	(Separation 15mm)	(Separation 10mm)	(Separation 0mm)
GSM	GSM 850	0.92	0.16	0.22	/
	GSM 1900	1.00	0.27	0.79	/
WCDMA	Band 2	1.05	0.38	0.86	2.37
	Band 4	1.07	0.25	0.57	2.55
	Band 5	0.98	0.21	0.27	/
LTE	Band 2	1.00	0.53	0.77	2.56
	Band 4	0.98	0.33	0.58	2.06
	Band 5	1.07	0.19	0.23	/
	Band 7	1.00	0.38	0.88	2.16
	Band 18	0.69	0.19	0.17	/
	Band 19	0.86	0.22	0.25	/
	Band 26	0.80	0.23	0.27	/
	Band 66	1.07	0.32	0.59	2.12
	Band 71	0.94	0.12	0.15	/
	Band 38	1.05	0.20	0.58	2.55
	Band 41	0.94	0.21	0.56	2.43
	Band 42	1.03	0.51	0.66	2.22
	Band 48	1.06	0.29	0.71	2.12
NR	n2	0.99	0.48	0.78	2.56
	n5	0.98	0.16	0.31	/
	n7	0.81	0.21	0.99	2.23
	n66	0.87	0.33	0.56	2.42
	n71	0.96	0.10	0.14	/
	n38	0.94	0.43	0.61	2.13
	n41	1.02	0.48	0.60	2.35
	n48	0.94	0.22	0.71	2.17
	n77	1.06	0.24	0.72	2.44
	n78	1.04	0.31	0.62	2.37
WIFI	2.4 G	0.33	0.10	0.52	0.86
	5.2G	/	/	0.52	/
	5.3G	0.42	0.19	/	1.08
	5.6 G	0.19	0.14	/	0.70
	5.8 G	0.19	0.12	0.36	1.09
Bluetooth	DH5	0.17	0.02	0.04	0.15
Maximum Report SAR		1.07	0.53	0.99	2.56

Limits (W/kg)	1.6	1.6	1.6	4.0
Test Verdict	Pass			

3.3.2 Highest Simultaneous Transmission SAR Values

Equipment Class	Maximum Report SAR			
	1g (W/kg)			10g (W/kg)
	Head	Body-worn	Hotspot	Specifc
	(Separation 0mm)	(Separation 15mm)	(Separation 10mm)	(Separation 0mm)
PCE	1.59	0.97	1.55	3.79
DTS	1.39	0.92	1.52	3.42
NII	1.59	0.97	1.55	3.79
DSS	1.59	0.97	1.55	3.79
Limit (W/Kg)	1.6	1.6	1.6	4
Verdict	Pass			
Note: The highest simultaneous SAR please refer section 13.2				

3.4 Test Uncertainty

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

The maximum 1 g SAR for the EUT in this report is 1.07 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 2.56 W/kg, which is lower than 3.75 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

4 MEASUREMENT SYSTEM

4.1 Specific Absorption Rate (SAR) Definition

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

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

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

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

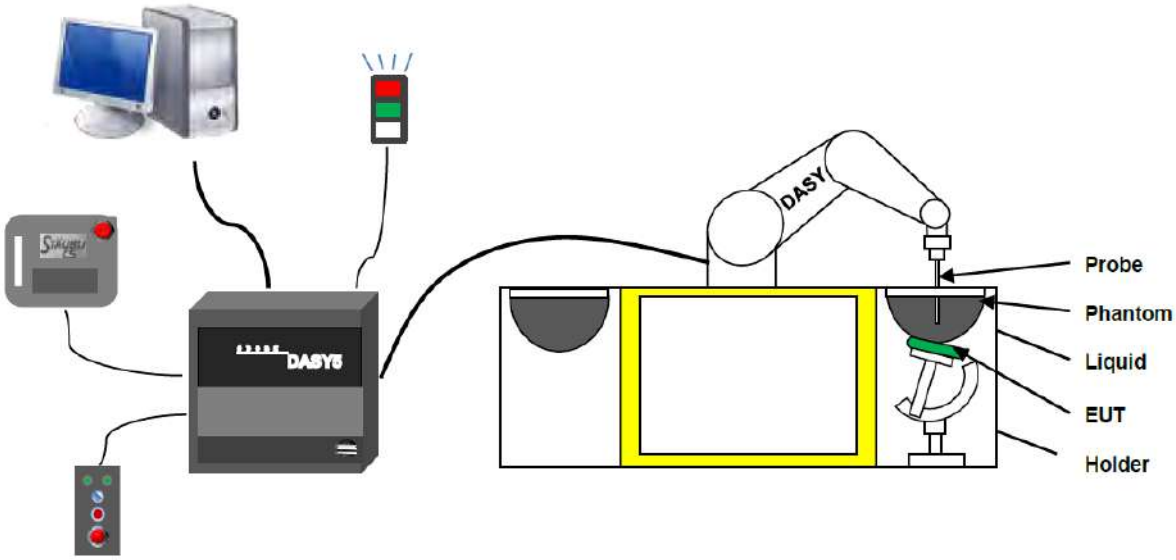
$$\mathbf{SAR} = \frac{\sigma \mathrm{E}^2}{\rho}$$

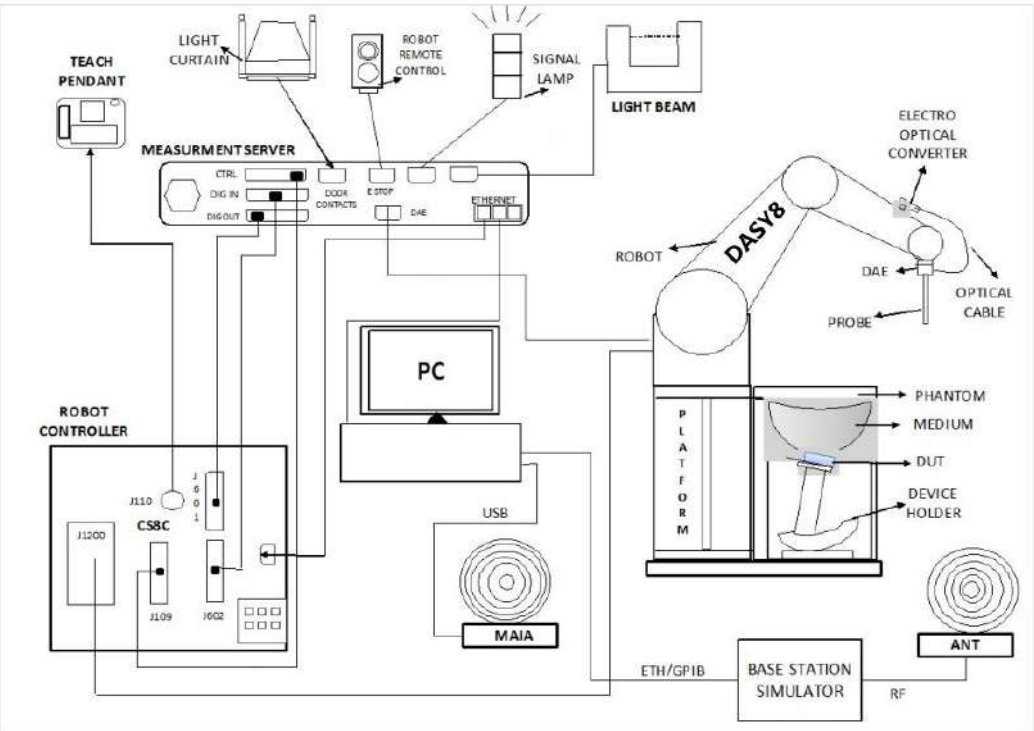
Where: σ is the conductivity of the tissue,

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

4.2 DASY SAR System

4.2.1 DASY SAR System Diagram





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

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

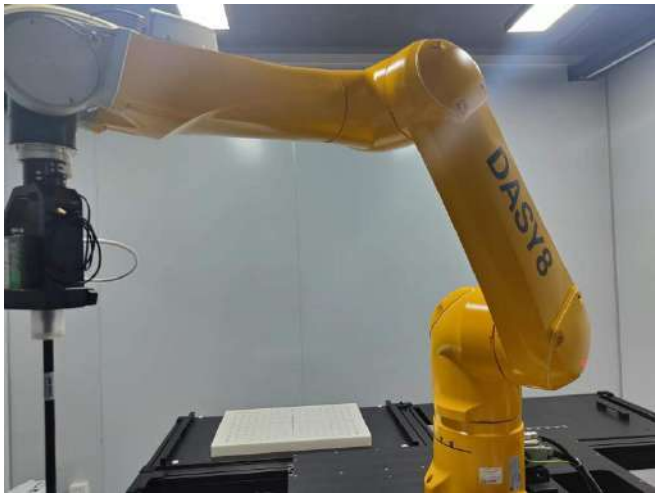
battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.

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

4.2.2 Robot

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

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



4.2.3 E-Field Probe

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

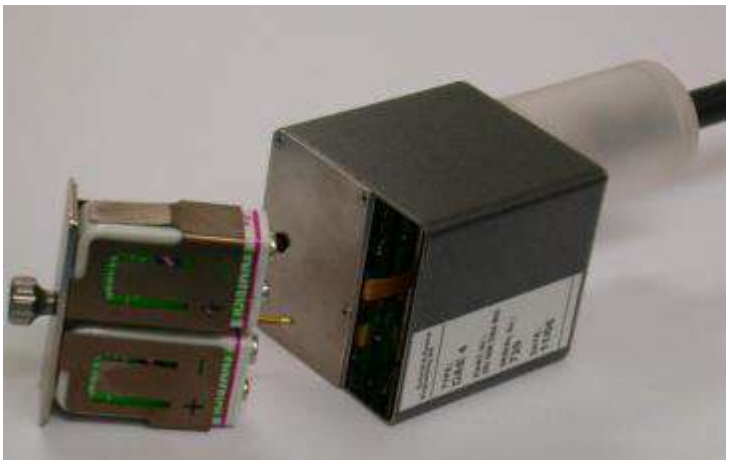
Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection systemBuilt-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	10 MHz to 6 GHz;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

E-Field Probe Calibration Process

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

4.2.4 Data Acquisition Electronics

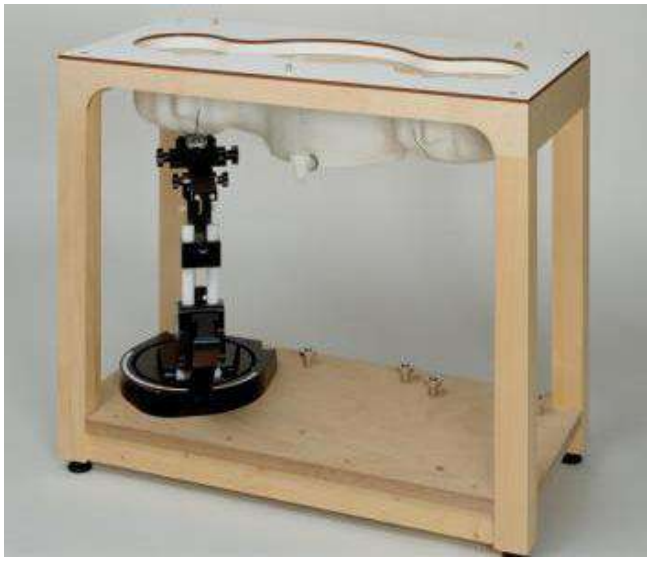
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an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



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

4.2.5 Phantoms

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



- Left head
- Right head
- Flat phantom

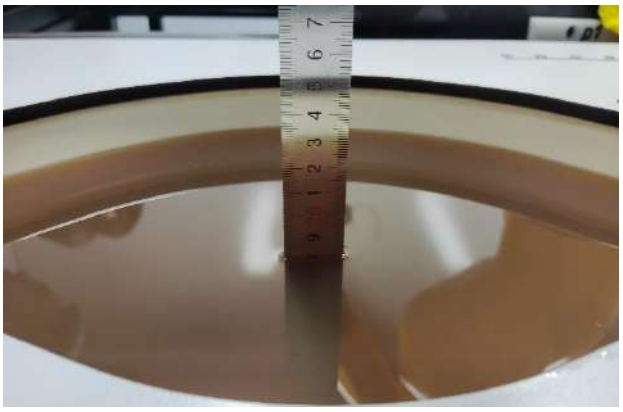
4.2.6 Device Holder

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

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

4.2.7 Simulating Liquid

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

Head Liquid Depth	Body Liquid Depth
	

The following table gives the recipes for tissue simulating liquid.

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

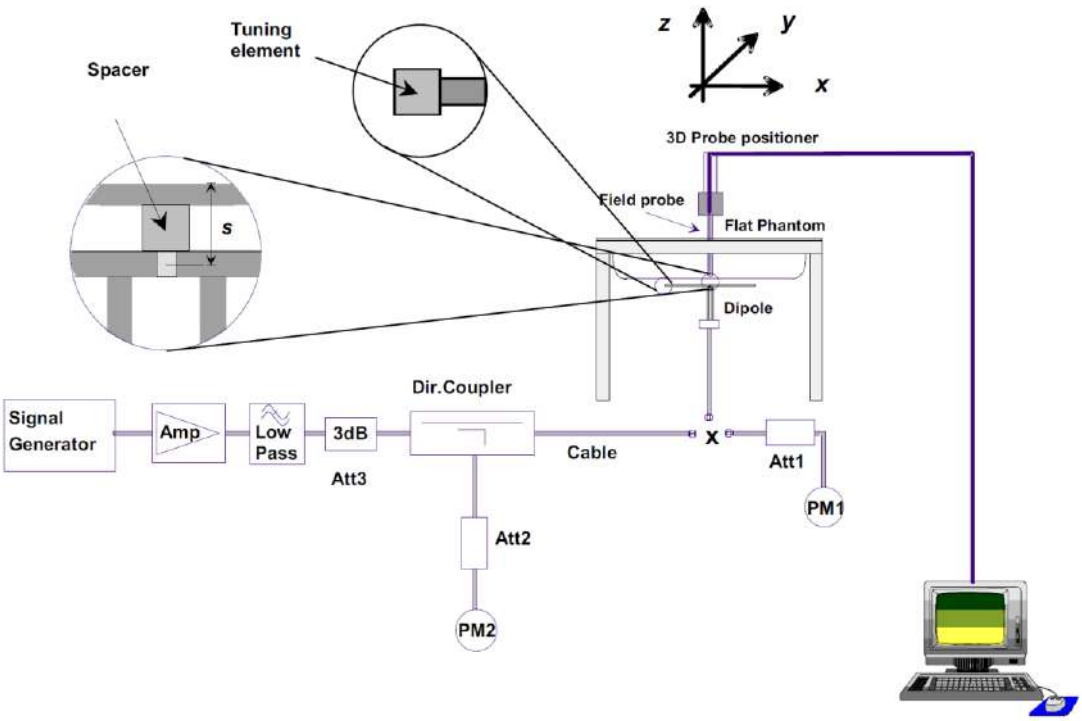
5 SYSTEM VERIFICATION

5.1 Purpose of System Check

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

5.2 System Check Setup

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



6 TEST POSITION CONFIGURATIONS

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

6.1 Head Exposure Conditions

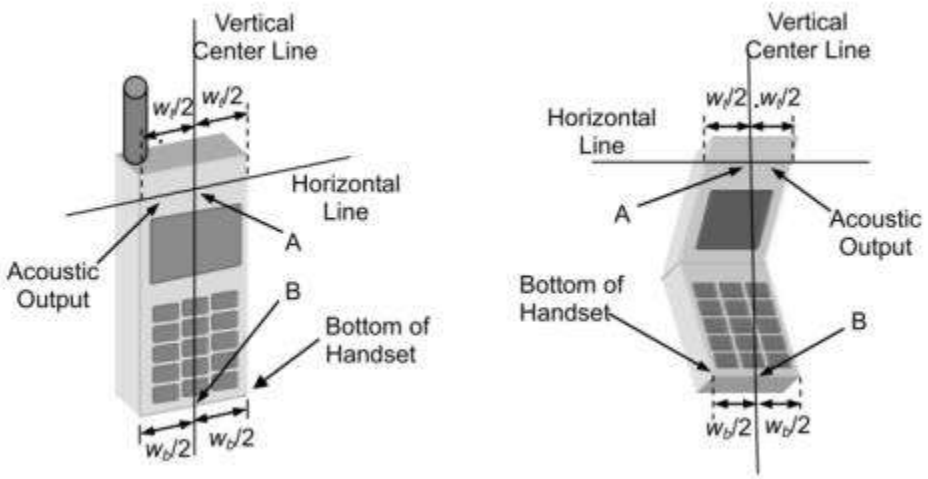
Head exposure is limited to next to the ear voice mode operations. Head SAR compliance is tested according to the test positions defined in IEEE Std 1528-2013 using the SAM phantom illustrated as below.

6.1.1 Two Imaginary Lines on the Handset

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

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

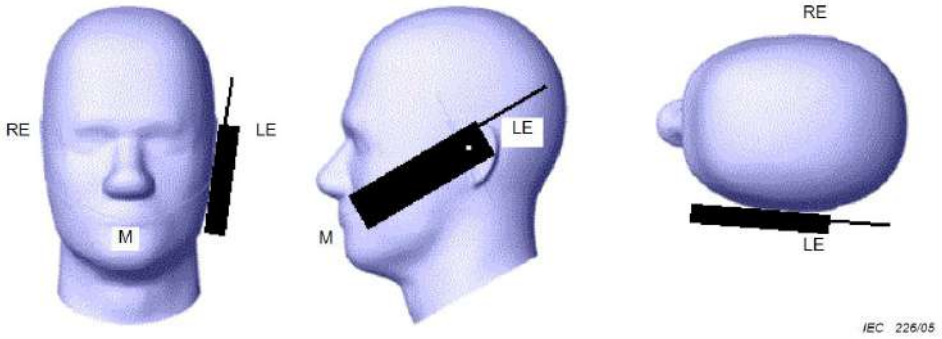
(c) The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical center line is not necessarily parallel to the front face of the handset,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



6.1.2 Cheek Position

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

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



6.1.3 Tilted Position

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

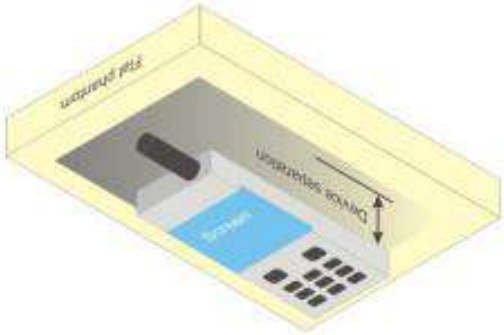
(b) While maintaining the device the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until contact with the ear is lost.

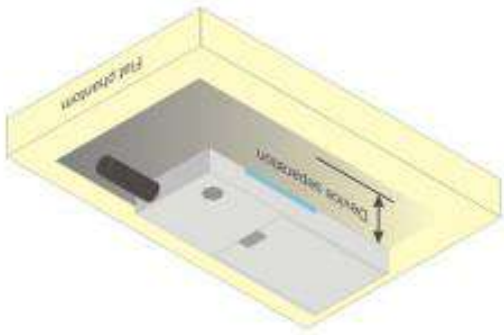
6.2 Body-worn Position Conditions

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

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

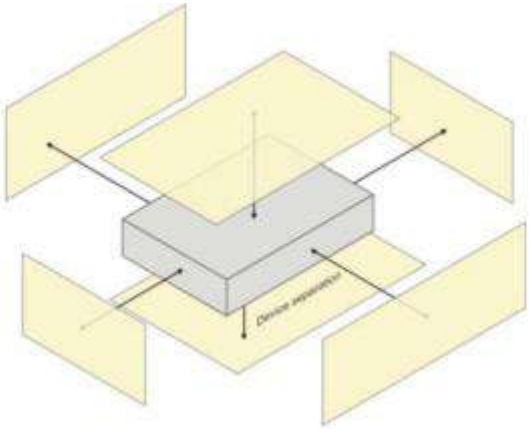
Body-worn accessory SAR compliance is based on a single minimum test separation distance for all wireless and operating modes applicable to each body-worn accessory used by the host, and according to the relevant voice and/or data mode transmissions and operations. If a body-worn accessory supports voice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





6.3 Hotspot Mode Exposure Position Conditions

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



6.4 Product Specific 10g Exposure Consideration

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

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

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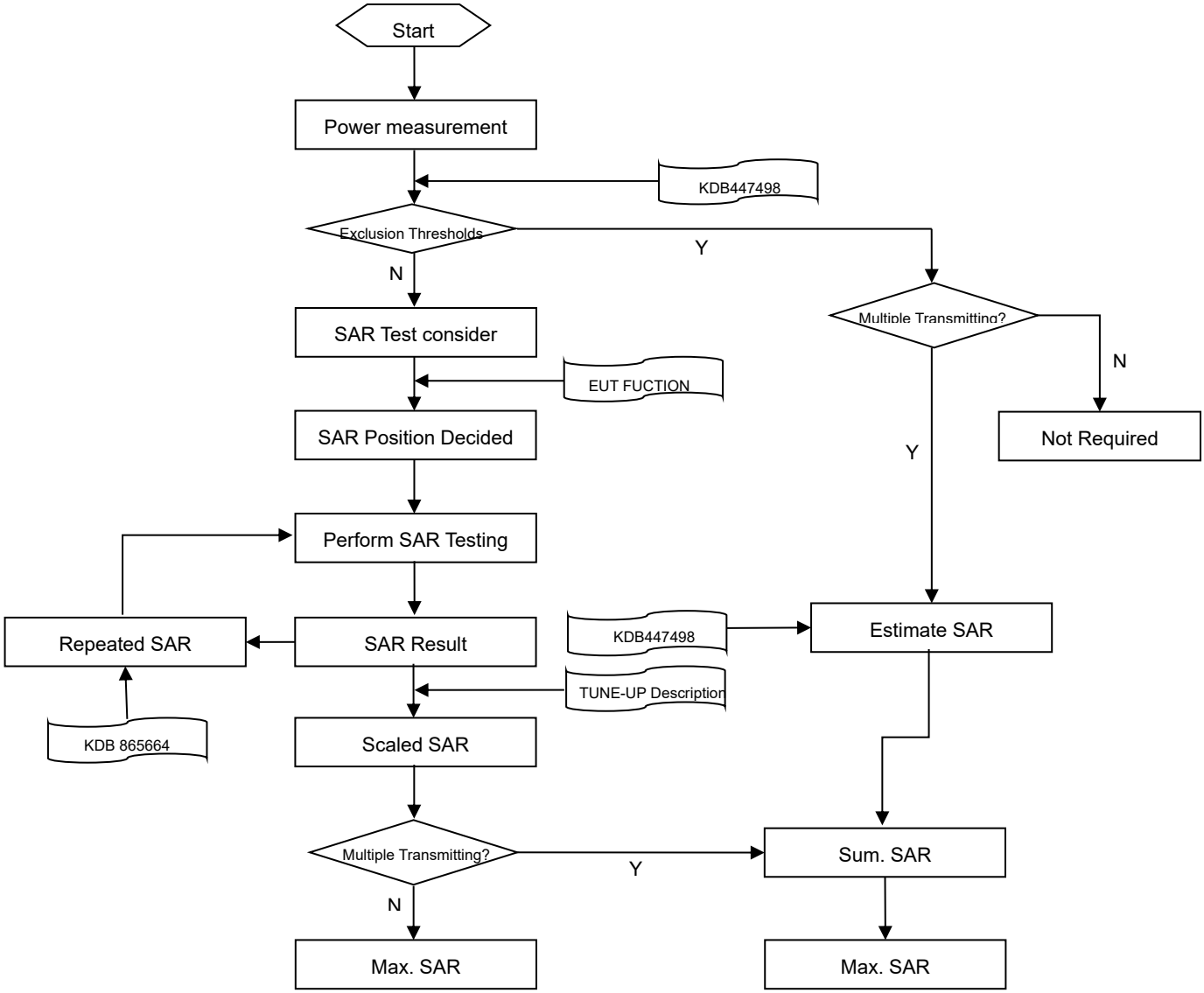
7 MEASUREMENT PROCEDURE

7.1 Measurement Process Diagram



7.2 SAR Scan General Requirement

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

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

7.3 Measurement Procedure

The following steps are used for each test position

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

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

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

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

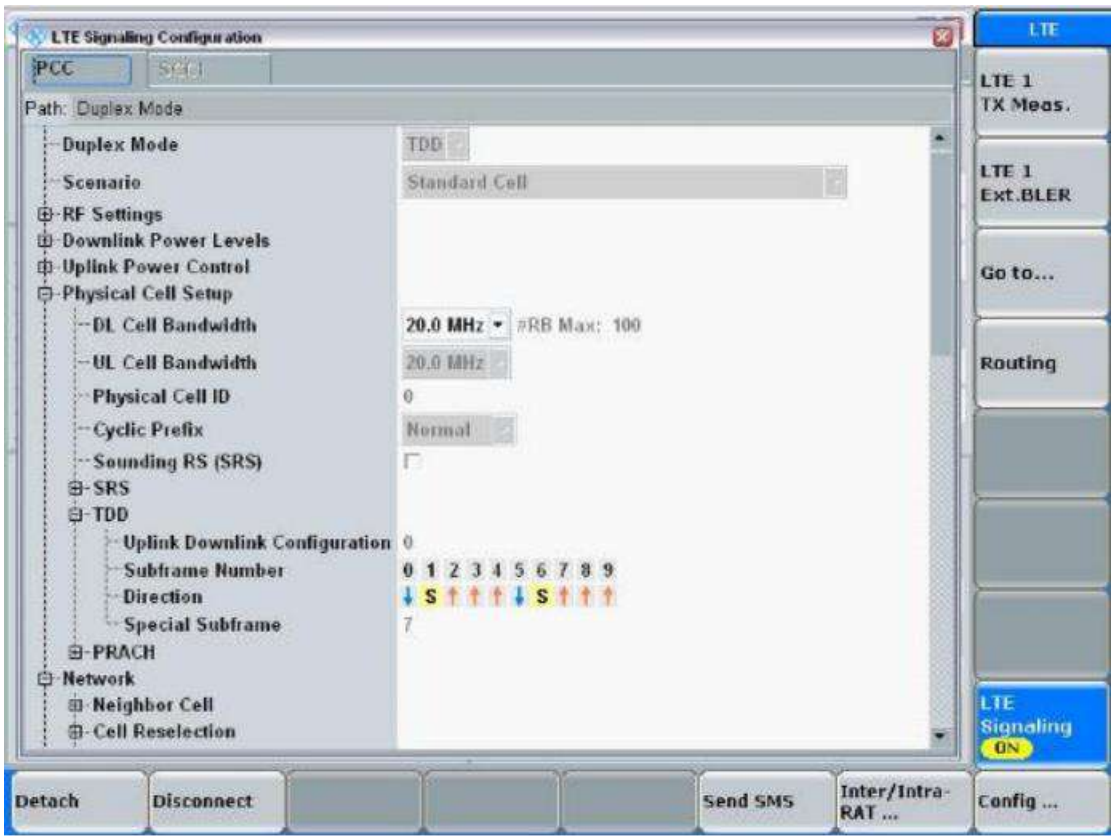
7.4 Area & Zoom Scan Procedure

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

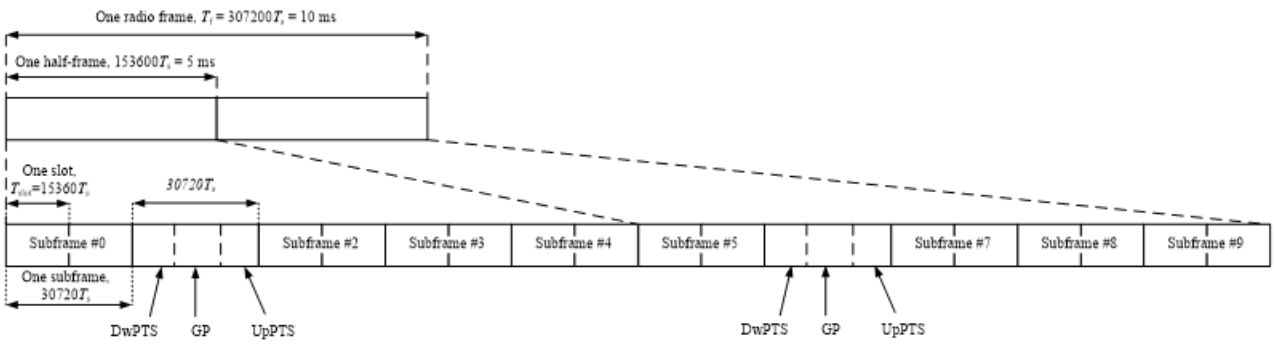
When the 1 g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR.

7.5 LTE (TDD) Considerations

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



According to 3GPP Per 3GPP TS 36.211. Each radio frame of length (Tf=307200*TS =10ms) of two half-frames of length (153600*TS =5ms). Each half-frame consists of five sub-frames of length (30720*TS =1ms)



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

The length of DwPTS and UpPTS is given by below table subject to the total length of DwPTS, GP and UpPTS being equal to 30720*T_S =1ms.

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

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

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

Maximum uplink time of one special sub-frame=(largest cyclic prefix)/(one sub-frame of length)* time of one sub-frame=5120.Ts/30720.Ts*1ms=0.167ms

One radio frame with 6 uplink sub-frames and two special sub-frame,
there for the maximum Uplink time in one radio frame is: **6*1 ms+2*0.167 ms=6.334ms**
So, the duty cycle for TDD-LTE is: **6.334ms/10ms =1: 1.58**

8 CONDUCTED RF OUTPUT 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 exposure conditions will trigger the body exposure reduced the power.
4.When this device used data mode only, and the receiver will not work too, the reduced the power are same as body exposure.
5.The device employs proximity sensors that detect the presence of the user's body of the device. When these conditions are detected, Body 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 conditions	Antenna	Position
DSI1	/	On (head scenario)	WWAN Use Only & WWAN + WLAN	Ant.0	Head
				Ant.1	
				Ant.2	
				Ant.3	
				Ant.4	
				Ant.5	
				Ant.7	
DSI2	Sensor(1) On	Off (Body scenario)	WWAN Use Only & WWAN + WLAN	Ant.0	Front Side;Back Side;Bottom Edge
				Ant.1	
				Ant.2	
				Ant.3	
				Ant.4	
				Ant.5	
				Ant.7	
DSI3	Sensor(2/3) On	Off (Body scenario)	WWAN Use Only & WWAN + WLAN	Ant.0	Front Side;Back Side;Left Edge;Top Edge
				Ant.1	
				Ant.2	
				Ant.3	
				Ant.4	
				Ant.5	
				Ant.7	
DSI4	Sensor Off	Off (Body scenario)	WWAN Use Only & WWAN + WLAN	Ant.0	
				Ant.1	

				Ant.2	Front Side;Back Side;Left Edge;Right Edge;Top Edge;Bottom Edge
				Ant.3	
				Ant.4	
				Ant.5	
				Ant.7	
DSI5	/	Off (Hotspot scenario)	WWAN + WLAN	Ant.0	Front Side;Back Side;Left Edge;Right Edge;Top Edge;Bottom Edge
				Ant.1	
				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

Mode	Antenna	WWAN Antenna								
		Full Power	Receiver on	Receiver off						
			Head	Body-Worn			Hotspot	Specific		
			Standalone & Simultaneous transmission	Standalone & Simultaneous transmission			Simultaneous transmission	Standalone & Simultaneous transmission		
		Off	DSI1	DSI2	DSI3	DSI4	DSI5	DSI2	DSI3	DSI4
GSM 850	Ant.4	33.50	30.00	33.50	32.50	33.50	32.50	33.50	32.50	33.50
GPRS850 1 Tx Slot	Ant.4	33.50	30.00	33.50	32.50	33.50	32.50	33.50	32.50	33.50
GPRS850 2 Tx Slot	Ant.4	31.00	27.50	31.00	30.00	31.00	30.00	31.00	30.00	31.00
GPRS850 3 Tx Slot	Ant.4	29.50	26.00	29.50	28.50	29.50	28.50	29.50	28.50	29.50
GPRS850 4 Tx Slot	Ant.4	27.50	24.00	27.50	26.50	27.50	26.50	27.50	26.50	27.50
EGPRS850 1 Tx Slot	Ant.4	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00
EGPRS850 2 Tx Slot	Ant.4	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
EGPRS850 3 Tx Slot	Ant.4	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
EGPRS850 4 Tx Slot	Ant.4	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
GSM 850	Ant.0	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50
GPRS850 1 Tx Slot	Ant.0	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50
GPRS850 2 Tx Slot	Ant.0	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00
GPRS850 3 Tx Slot	Ant.0	29.50	29.50	29.50	29.50	29.50	29.50	29.50	29.50	29.50
GPRS850 4 Tx Slot	Ant.0	27.50	27.50	27.50	27.50	27.50	27.50	27.50	27.50	27.50
EGPRS850 1 Tx Slot	Ant.0	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00
EGPRS850 2 Tx Slot	Ant.0	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
EGPRS850 3 Tx Slot	Ant.0	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
EGPRS850 4 Tx Slot	Ant.0	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50

GSM1900	Ant.4	30.50	27.00	30.50	27.00	30.50	27.00	30.50	27.00	30.50
GPRS1900 1 Tx Slot	Ant.4	30.50	27.00	30.50	27.00	30.50	27.00	30.50	27.00	30.50
GPRS1900 2 Tx Slot	Ant.4	28.50	24.50	28.50	24.50	28.50	24.50	28.50	24.50	28.50
GPRS1900 3 Tx Slot	Ant.4	27.00	23.00	27.00	23.00	27.00	23.00	27.00	23.00	27.00
GPRS1900 4 Tx Slot	Ant.4	26.00	21.50	26.00	21.50	26.00	21.50	26.00	21.50	26.00
EGPRS1900 1 Tx Slot	Ant.4	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00
EGPRS1900 2 Tx Slot	Ant.4	25.00	24.50	25.00	24.50	25.00	24.50	25.00	24.50	25.00
EGPRS1900 3 Tx Slot	Ant.4	23.50	23.00	23.50	23.00	23.50	23.00	23.50	23.00	23.50
EGPRS1900 4 Tx Slot	Ant.4	22.50	21.50	22.50	21.50	22.50	21.50	22.50	21.50	22.50
GSM1900	Ant.1	30.50	30.50	30.50	30.50	30.50	30.50	30.50	30.50	30.50
GPRS1900 1 Tx Slot	Ant.1	30.50	30.50	30.50	30.50	30.50	30.50	30.50	30.50	30.50
GPRS1900 2 Tx Slot	Ant.1	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50
GPRS1900 3 Tx Slot	Ant.1	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00
GPRS1900 4 Tx Slot	Ant.1	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00
EGPRS1900 1 Tx Slot	Ant.1	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00
EGPRS1900 2 Tx Slot	Ant.1	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
EGPRS1900 3 Tx Slot	Ant.1	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
EGPRS1900 4 Tx Slot	Ant.1	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
WCDMA Band2 RMC	Ant.4	24.50	17.00	24.50	21.00	24.50	21.00	24.50	21.00	24.50
WCDMA Band2 AMR	Ant.4	24.50	17.00	24.50	21.00	24.50	21.00	24.50	21.00	24.50
HSDPA Subtest-1	Ant.4	23.50	16.00	23.50	20.00	23.50	20.00	23.50	20.00	23.50
HSDPA Subtest-2	Ant.4	23.50	16.00	23.50	20.00	23.50	20.00	23.50	20.00	23.50
HSDPA Subtest-3	Ant.4	23.00	15.50	23.00	19.50	23.00	19.50	23.00	19.50	23.00
HSDPA Subtest-4	Ant.4	23.00	15.50	23.00	19.50	23.00	19.50	23.00	19.50	23.00
DC-HSDPA Subtest-1	Ant.4	23.50	16.00	23.50	20.00	23.50	20.00	23.50	20.00	23.50
DC-HSDPA Subtest-2	Ant.4	23.50	16.00	23.50	20.00	23.50	20.00	23.50	20.00	23.50
DC-HSDPA Subtest-3	Ant.4	23.00	15.50	23.00	19.50	23.00	19.50	23.00	19.50	23.00
DC-HSDPA Subtest-4	Ant.4	23.00	15.50	23.00	19.50	23.00	19.50	23.00	19.50	23.00
HSUPA Subtest-1	Ant.4	23.50	16.00	23.50	20.00	23.50	20.00	23.50	20.00	23.50
HSUPA Subtest-2	Ant.4	21.50	14.00	21.50	18.00	21.50	18.00	21.50	18.00	21.50
HSUPA Subtest-3	Ant.4	22.50	15.00	22.50	19.00	22.50	19.00	22.50	19.00	22.50
HSUPA Subtest-4	Ant.4	21.00	13.50	21.00	17.50	21.00	17.50	21.00	17.50	21.00
HSUPA Subtest-5	Ant.4	23.50	16.00	23.50	20.00	23.50	20.00	23.50	20.00	23.50
HSPA+	Ant.4	21.50	14.00	21.50	18.00	21.50	18.00	21.50	18.00	21.50
WCDMA Band2 RMC	Ant.1	25.00	25.00	22.00	22.00	25.00	22.00	22.00	22.00	25.00
WCDMA Band2 AMR	Ant.1	25.00	25.00	22.00	22.00	25.00	22.00	22.00	22.00	25.00
HSDPA Subtest-1	Ant.1	24.00	24.00	21.00	21.00	24.00	21.00	21.00	21.00	24.00
HSDPA Subtest-2	Ant.1	24.00	24.00	21.00	21.00	24.00	21.00	21.00	21.00	24.00
HSDPA Subtest-3	Ant.1	23.50	23.50	20.50	20.50	23.50	20.50	20.50	20.50	23.50
HSDPA Subtest-4	Ant.1	23.50	23.50	20.50	20.50	23.50	20.50	20.50	20.50	23.50
DC-HSDPA Subtest-1	Ant.1	24.00	24.00	21.00	21.00	24.00	21.00	21.00	21.00	24.00

DC-HSDPA Subtest-2	Ant.1	24.00	24.00	21.00	21.00	24.00	21.00	21.00	21.00	24.00
DC-HSDPA Subtest-3	Ant.1	23.50	23.50	20.50	20.50	23.50	20.50	20.50	20.50	23.50
DC-HSDPA Subtest-4	Ant.1	23.50	23.50	20.50	20.50	23.50	20.50	20.50	20.50	23.50
HSUPA Subtest-1	Ant.1	24.50	24.50	21.50	21.50	24.50	21.50	21.50	21.50	24.50
HSUPA Subtest-2	Ant.1	22.00	22.00	19.00	19.00	22.00	19.00	19.00	19.00	22.00
HSUPA Subtest-3	Ant.1	23.00	23.00	20.00	20.00	23.00	20.00	20.00	20.00	23.00
HSUPA Subtest-4	Ant.1	22.50	22.50	19.50	19.50	22.50	19.50	19.50	19.50	22.50
HSUPA Subtest-5	Ant.1	24.50	24.50	21.50	21.50	24.50	21.50	21.50	21.50	24.50
HSPA+	Ant.1	22.00	22.00	19.00	19.00	22.00	19.00	19.00	19.00	22.00
WCDMA Band4 RMC	Ant.4	24.50	19.00	24.50	21.50	24.50	21.50	24.50	21.50	24.50
WCDMA Band4 RMC	Ant.4	24.50	19.00	24.50	21.50	24.50	21.50	24.50	21.50	24.50
HSDPA Subtest-1	Ant.4	23.50	18.00	23.50	20.50	23.50	20.50	23.50	20.50	23.50
HSDPA Subtest-2	Ant.4	23.50	18.00	23.50	20.50	23.50	20.50	23.50	20.50	23.50
HSDPA Subtest-3	Ant.4	23.00	17.50	23.00	20.00	23.00	20.00	23.00	20.00	23.00
HSDPA Subtest-4	Ant.4	23.00	17.50	23.00	20.00	23.00	20.00	23.00	20.00	23.00
DC-HSDPA Subtest-1	Ant.4	23.50	18.00	23.50	20.50	23.50	20.50	23.50	20.50	23.50
DC-HSDPA Subtest-2	Ant.4	23.50	18.00	23.50	20.50	23.50	20.50	23.50	20.50	23.50
DC-HSDPA Subtest-3	Ant.4	23.00	17.50	23.00	20.00	23.00	20.00	23.00	20.00	23.00
DC-HSDPA Subtest-4	Ant.4	23.00	17.50	23.00	20.00	23.00	20.00	23.00	20.00	23.00
HSUPA Subtest-1	Ant.4	23.50	18.00	23.50	20.50	23.50	20.50	23.50	20.50	23.50
HSUPA Subtest-2	Ant.4	21.50	16.00	21.50	18.50	21.50	18.50	21.50	18.50	21.50
HSUPA Subtest-3	Ant.4	22.50	17.00	22.50	19.50	22.50	19.50	22.50	19.50	22.50
HSUPA Subtest-4	Ant.4	21.00	15.50	21.00	18.00	21.00	18.00	21.00	18.00	21.00
HSUPA Subtest-5	Ant.4	23.50	18.00	23.50	20.50	23.50	20.50	23.50	20.50	23.50
HSPA+	Ant.4	21.50	16.00	21.50	18.50	21.50	18.50	21.50	18.50	21.50
WCDMA Band4 RMC	Ant.1	25.00	25.00	22.00	22.00	25.00	22.00	22.00	22.00	25.00
WCDMA Band4 RMC	Ant.1	25.00	25.00	22.00	22.00	25.00	22.00	22.00	22.00	25.00
HSDPA Subtest-1	Ant.1	24.00	24.00	21.00	21.00	24.00	21.00	21.00	21.00	24.00
HSDPA Subtest-2	Ant.1	24.00	24.00	21.00	21.00	24.00	21.00	21.00	21.00	24.00
HSDPA Subtest-3	Ant.1	23.50	23.50	20.50	20.50	23.50	20.50	20.50	20.50	23.50
HSDPA Subtest-4	Ant.1	23.50	23.50	20.50	20.50	23.50	20.50	20.50	20.50	23.50
DC-HSDPA Subtest-1	Ant.1	24.00	24.00	21.00	21.00	24.00	21.00	21.00	21.00	24.00
DC-HSDPA Subtest-2	Ant.1	24.00	24.00	21.00	21.00	24.00	21.00	21.00	21.00	24.00
DC-HSDPA Subtest-3	Ant.1	23.50	23.50	20.50	20.50	23.50	20.50	20.50	20.50	23.50
DC-HSDPA Subtest-4	Ant.1	23.50	23.50	20.50	20.50	23.50	20.50	20.50	20.50	23.50
HSUPA Subtest-1	Ant.1	24.50	24.50	21.50	21.50	24.50	21.50	21.50	21.50	24.50
HSUPA Subtest-2	Ant.1	22.00	22.00	19.00	19.00	22.00	19.00	19.00	19.00	22.00
HSUPA Subtest-3	Ant.1	23.00	23.00	20.00	20.00	23.00	20.00	20.00	20.00	23.00
HSUPA Subtest-4	Ant.1	22.50	22.50	19.50	19.50	22.50	19.50	19.50	19.50	22.50
HSUPA Subtest-5	Ant.1	24.50	24.50	21.50	21.50	24.50	21.50	21.50	21.50	24.50
HSPA+	Ant.1	22.00	22.00	19.00	19.00	22.00	19.00	19.00	19.00	22.00

WCDMA Band5 RMC	Ant.4	25.00	22.50	25.00	25.00	25.00	25.00	25.00	25.00	25.00
WCDMA Band5 AMR	Ant.4	25.00	22.50	25.00	25.00	25.00	25.00	25.00	25.00	25.00
HSDPA Subtest-1	Ant.4	24.00	21.50	24.00	24.00	24.00	24.00	24.00	24.00	24.00
HSDPA Subtest-2	Ant.4	24.00	21.50	24.00	24.00	24.00	24.00	24.00	24.00	24.00
HSDPA Subtest-3	Ant.4	23.50	21.00	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSDPA Subtest-4	Ant.4	23.50	21.00	23.50	23.50	23.50	23.50	23.50	23.50	23.50
DC-HSDPA Subtest-1	Ant.4	24.00	21.50	24.00	24.00	24.00	24.00	24.00	24.00	24.00
DC-HSDPA Subtest-2	Ant.4	24.00	21.50	24.00	24.00	24.00	24.00	24.00	24.00	24.00
DC-HSDPA Subtest-3	Ant.4	23.50	21.00	23.50	23.50	23.50	23.50	23.50	23.50	23.50
DC-HSDPA Subtest-4	Ant.4	23.50	21.00	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSUPA Subtest-1	Ant.4	23.50	21.00	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSUPA Subtest-2	Ant.4	22.00	19.50	22.00	22.00	22.00	22.00	22.00	22.00	22.00
HSUPA Subtest-3	Ant.4	23.00	20.50	23.00	23.00	23.00	23.00	23.00	23.00	23.00
HSUPA Subtest-4	Ant.4	21.50	19.00	21.50	21.50	21.50	21.50	21.50	21.50	21.50
HSUPA Subtest-5	Ant.4	23.50	21.00	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSPA+	Ant.4	22.00	19.50	22.00	22.00	22.00	22.00	22.00	22.00	22.00
WCDMA Band5 RMC	Ant.0	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
WCDMA Band5 AMR	Ant.0	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
HSDPA Subtest-1	Ant.0	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
HSDPA Subtest-2	Ant.0	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
HSDPA Subtest-3	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSDPA Subtest-4	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
DC-HSDPA Subtest-1	Ant.0	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
DC-HSDPA Subtest-2	Ant.0	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
DC-HSDPA Subtest-3	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
DC-HSDPA Subtest-4	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSUPA Subtest-1	Ant.0	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
HSUPA Subtest-2	Ant.0	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
HSUPA Subtest-3	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
HSUPA Subtest-4	Ant.0	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
HSUPA Subtest-5	Ant.0	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
HSPA+	Ant.0	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
LTE Band2	Ant.4	25.50	17.00	25.50	21.50	25.50	21.50	25.50	21.50	25.50
LTE Band2	Ant.3	24.50	22.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band2	Ant.1	25.50	25.50	22.00	22.00	25.50	22.00	22.00	22.00	25.50
LTE Band4	Ant.4	25.50	18.50	25.50	20.50	25.50	20.50	25.50	20.50	25.50
LTE Band4	Ant.3	24.50	19.00	24.50	22.00	24.50	22.00	24.50	22.00	24.50
LTE Band4	Ant.1	25.50	25.50	22.00	22.00	25.50	22.00	22.00	22.00	25.50
LTE Band5	Ant.4	25.50	23.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
LTE Band5	Ant.0	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
LTE Band7	Ant.4	25.50	19.50	25.50	24.50	25.50	24.50	25.50	24.50	25.50

LTE Band7	Ant.1	25.50	25.50	21.50	21.50	25.50	21.50	21.50	21.50	25.50
LTE Band18	Ant.4	25.50	23.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
LTE Band18	Ant.0	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
LTE Band19	Ant.4	25.50	23.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
LTE Band19	Ant.0	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
LTE Band26	Ant.4	25.50	23.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
LTE Band26	Ant.0	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
LTE Band66	Ant.4	25.50	18.50	25.50	20.50	25.50	20.50	25.50	20.50	25.50
LTE Band66	Ant.3	24.50	19.00	24.50	22.00	24.50	22.00	24.50	22.00	24.50
LTE Band66	Ant.1	25.50	25.50	22.00	22.00	25.50	22.00	22.00	22.00	25.50
LTE Band71	Ant.4	25.50	23.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
LTE Band71	Ant.0	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
LTE Band38	Ant.4	25.50	23.00	25.50	25.50	25.50	25.50	25.50	25.50	25.50
LTE Band38	Ant.3	24.50	20.00	24.50	19.00	24.50	19.00	24.50	19.00	24.50
LTE Band38	Ant.1	25.50	25.50	23.50	23.50	25.50	23.50	23.50	23.50	25.50
LTE Band41	Ant.4	25.50	23.00	25.50	25.50	25.50	25.50	25.50	25.50	25.50
LTE Band41	Ant.3	24.50	20.00	24.50	19.00	24.50	19.00	24.50	19.00	24.50
LTE Band41	Ant.1	25.50	25.50	23.50	23.50	25.50	23.50	23.50	23.50	25.50
LTE Band42	Ant.5	25.50	15.50	25.50	18.50	25.50	18.50	25.50	18.50	25.50
LTE Band42	Ant.7	24.00	18.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50
LTE Band48	Ant.5	22.00	15.50	22.00	18.50	22.00	18.50	22.00	18.50	22.00
LTE Band48	Ant.7	22.00	18.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50
n2	Ant.4	25.50	17.00	25.50	22.00	25.50	22.00	25.50	22.00	25.50
n2	Ant.1	25.50	25.50	22.00	22.00	25.50	22.00	22.00	22.00	25.50
n5	Ant.4	25.50	23.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
n5	Ant.0	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
n7	Ant.4	25.50	20.50	25.50	23.50	25.50	23.50	25.50	23.50	25.50
n7	Ant.1	25.50	25.50	22.00	22.00	25.50	22.00	22.00	22.00	25.50
n66	Ant.4	25.50	18.50	25.50	21.50	25.50	21.50	25.50	21.50	25.50
n66	Ant.1	25.50	25.50	22.00	22.00	25.50	22.00	22.00	22.00	25.50
n71	Ant.4	25.50	23.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
n71	Ant.0	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
n38	Ant.4	25.50	21.00	25.50	25.50	25.50	25.50	25.50	25.50	25.50
n38	Ant.1	25.50	25.50	22.50	22.50	25.50	22.50	22.50	22.50	25.50
n41	Ant.4	25.50	21.00	25.50	25.50	25.50	25.50	25.50	25.50	25.50
n41	Ant.1	25.50	25.50	22.50	22.50	25.50	22.50	22.50	22.50	25.50
n41	Ant.3	24.50	22.50	23.50	21.50	23.50	21.50	23.50	21.50	23.50
n41	Ant.0	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
n48	Ant.5	22.00	15.50	22.00	18.50	22.00	18.50	22.00	18.50	22.00
n48	Ant.7	22.00	18.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50
n77	Ant.2	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00

n77	Ant.3	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
n77	Ant.5	27.00	17.50	27.00	19.50	27.00	19.50	27.00	19.50	27.00
n77	Ant.7	26.00	21.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
n78	Ant.2	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
n78	Ant.3	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
n78	Ant.5	27.00	17.50	27.00	19.50	27.00	19.50	27.00	19.50	27.00
n78	Ant.7	26.00	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	3
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_7A	LTE Band2	LTE Band7	LTE Ant.1	/	/
			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+7A	LTE Band2	Ant.1	25.50	25.50	22.00	22.00	25.50	22.00	22.00	22.00	25.50
	LTE Band7	Ant.3	24.50	21.50	24.50	18.00	24.50	18.00	24.50	18.00	24.50

EN-DC Antenna Configuration

EN-DC Configurations	E-UTRA Band	NR Band	Antenna Configurations							
			1	2	3	4	5	6	7	8
7A+n5A	LTE Band7	n5	LTE Ant.1	LTE Ant.1	/	/	/	/	/	/
			nr Ant.0	nr Ant.4	/	/	/	/	/	/
5A+n7A	LTE Band5	n7	LTE Ant.0	LTE Ant.4	/	/	/	/	/	/
			nr Ant.1	nr Ant.1	/	/	/	/	/	/
5A+n66A	LTE Band5	n66	LTE Ant.0	LTE Ant.4	/	/	/	/	/	/
			nr Ant.1	nr Ant.1	/	/	/	/	/	/
18A+n77A	LTE Band18	n77	LTE Ant.0	LTE Ant.0	LTE Ant.0	LTE Ant.0	LTE Ant.4	LTE Ant.4	LTE Ant.4	LTE Ant.4
			nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7	nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7

2A+n78A	LTE Band2	n78	LTE Ant.1	LTE Ant.1	LTE Ant.1	LTE Ant.1	LTE Ant.4	LTE Ant.4	LTE Ant.4	LTE Ant.4
			nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7	nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7
5A+n78A	LTE Band5	n78	LTE Ant.0	LTE Ant.0	LTE Ant.0	LTE Ant.0	LTE Ant.4	LTE Ant.4	LTE Ant.4	LTE Ant.4
			nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7	nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7
7A+n78A	LTE Band7	n78	LTE Ant.1	LTE Ant.1	LTE Ant.1	LTE Ant.1	LTE Ant.4	LTE Ant.4	LTE Ant.4	LTE Ant.4
			nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7	nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7
19A+n78A	LTE Band19	n78	LTE Ant.0	LTE Ant.0	LTE Ant.0	LTE Ant.0	LTE Ant.4	LTE Ant.4	LTE Ant.4	LTE Ant.4
			nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7	nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7
26A+n78A	LTE Band26	n78	LTE Ant.0	LTE Ant.0	LTE Ant.0	LTE Ant.0	LTE Ant.4	LTE Ant.4	LTE Ant.4	LTE Ant.4
			nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7	nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7
38A+n78A	LTE Band38	n78	LTE Ant.1	LTE Ant.1	LTE Ant.1	LTE Ant.1	LTE Ant.4	LTE Ant.4	LTE Ant.4	LTE Ant.4
			nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7	nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7
41A+n78A	LTE Band41	n78	LTE Ant.1	LTE Ant.1	LTE Ant.1	LTE Ant.1	LTE Ant.4	LTE Ant.4	LTE Ant.4	LTE Ant.4
			nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7	nr Ant.2	nr Ant.3	nr Ant.5	nr Ant.7

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_41A+n78A	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	21.00	25.50	25.50	25.50	25.50	25.50	25.50	25.50

WLAN Reduced power level table

Receiver state	Transmitting conditions	Antenna	Position
On (head scenario)	Only WLAN & WWAN+WLAN	Ant.6/Ant.8	Head
Off (Body scenario)	Only WLAN & WWAN+WLAN	Ant.6/Ant.8	Front Side;Back Side;Left Edge;Right Edge;Top Edge;Bottom Edge

WLAN Reduced power level table

Mode	WLAN Antenna 6/8				
	Full Power	Receiver on	Receiver off		
		Head	Body-Worn	Hotspot	Specific
		Standalone & Simultaneous transmission	Standalone & Simultaneous transmission	Simultaneous transmission	Standalone & Simultaneous transmission
	Off	Level1	Level2	Level2	Level2
2.4G WLAN 802.11b	19.50	14.00	19.50	19.50	19.50
2.4G WLAN 802.11g	19.50	14.00	19.50	19.50	19.50
2.4G WLAN 802.11n20	19.50	14.00	19.50	19.50	19.50
5.2G WLAN 802.11a	18.50	12.50	18.50	18.50	18.50
5.2G WLAN 802.11n20	17.50	12.50	17.50	17.50	17.50
5.2G WLAN 802.11n40	16.50	12.50	16.50	16.50	16.50
5.2G WLAN 802.11ac20	17.50	12.50	17.50	17.50	17.50
5.2G WLAN 802.11ac40	16.50	12.50	16.50	16.50	16.50
5.2G WLAN 802.11ac80	15.50	12.50	15.50	15.50	15.50
5.3G WLAN 802.11a	18.50	12.50	18.50	18.50	18.50
5.3G WLAN 802.11n20	17.50	12.50	17.50	/	17.50
5.3G WLAN 802.11n40	16.50	12.50	16.50	/	16.50
5.3G WLAN 802.11ac20	17.50	12.50	17.50	/	17.50
5.3G WLAN 802.11ac40	16.50	12.50	16.50	/	16.50
5.3G WLAN 802.11ac80	15.50	12.50	15.50	/	15.50
5.6G WLAN 802.11a	18.50	12.50	18.50	/	18.50
5.6G WLAN 802.11n20	17.50	12.50	17.50	/	17.50
5.6G WLAN 802.11n40	16.50	12.50	16.50	/	16.50
5.6G WLAN 802.11ac20	17.50	12.50	17.50	/	17.50
5.6G WLAN 802.11ac40	16.50	12.50	16.50	/	16.50
5.6G WLAN 802.11ac80	15.50	12.50	15.50	/	15.50
5.8G WLAN 802.11a	18.50	12.50	18.50	18.50	18.50
5.8G WLAN 802.11n20	17.50	12.50	17.50	17.50	17.50
5.8G WLAN 802.11n40	16.50	12.50	16.50	16.50	16.50
5.8G WLAN 802.11ac20	17.50	12.50	17.50	17.50	17.50
5.8G WLAN 802.11ac40	16.50	12.50	16.50	16.50	16.50
5.8G WLAN 802.11ac80	15.50	12.50	15.50	15.50	15.50
Bluetooth	11.50	11.50	11.50	11.50	11.50

8.2 GSM

Please refer the document “BL-SZ2571545-AP.pdf”.

8.3 WCDMA

Please refer the document “BL-SZ2571545-AP.pdf”.

8.4 LTE

Please refer the document “BL-SZ2571545-AP.pdf”.

8.5 Intra-Band Uplink CA Normal Power

Please refer the document “BL-SZ2571545-AP.pdf”.

8.6 5G NR

Please refer the document “BL-SZ2571545-AP.pdf”.

8.7 WIFI

Please refer the document “BL-SZ2571545-AP.pdf”.

8.8 Bluetooth

Please refer the document “BL-SZ2571545-AP.pdf”.

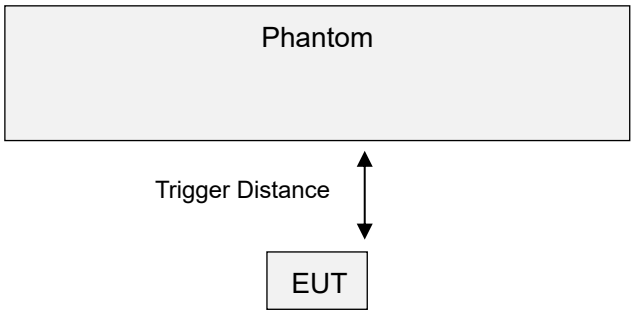
9 PROXIMITY SENSOR TRIGGERING TEST

9.1 Procedures for determining proximity sensor distance

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

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

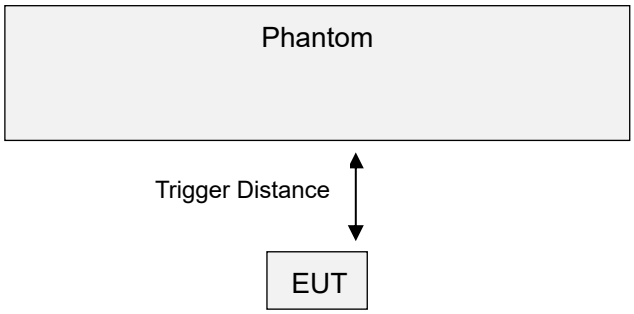
9.1.1 proximity sensor(1)



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	On	Off	Off
Bottom Edge	On	On	On	On	On	On	On	On	Off	Off	Off
Note: Power reduction is only applicable for ANT1.											

9.1.2 proximity sensor(2/3)



EUT moving toward Phantom and EUT moving away from Phantom

Distance in mm	1~5	6	7	8	9~11	12	13~15	16	17	18	19~25
Front Side	On	On	On	On	On	On	On	Off	Off	Off	Off
Back Side	On	On	On	On	On	On	On	On	On	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 ANT3/4/5.											

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

ANT1 of proximity sensor(1)

EUT Sides	Additional SAR test Distance in mm
Front Side	9
Back Side	16
Bottom Edge	15

ANT3/4/5 of proximity sensor(2/3)

EUT Sides	Additional SAR test Distance in mm
Front Side	14
Back Side	16
Left Edge	11
Top Edge	15

9.2 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&4&5, perpendicular to the flat phantom, at 12 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 ≤ 10° increments until the EUT is ± 45° from the vertical position at 0°, and the maximum output power remains in the reduced mode.

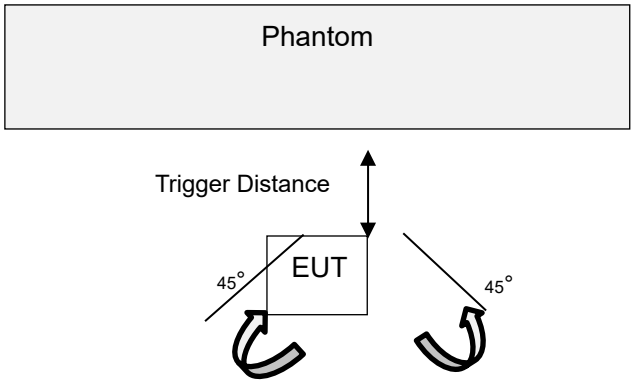


Table: Summary of Phone Tilt Angle Influence to Proximity Sensor Triggering(Left/Top/Bottom edge)

Antenna	Posltion	Minimum trigger distance at which power reduction was maintained over ±45°	Power Reduction Status										
			-45°	-35°	-25°	-15°	-5°	0°	5°	15°	25°	35°	45°
ANT3/4/5	Left Edge	12mm	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
ANT3/4/5	Top Edge	16mm	on	on	on	on	on	on	on	on	on	on	on

10 TEST EXCLUSION CONSIDERATION

For antenna location and support bands please refer the document “BL-SZ2571545-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.0	<25	<25	<25	<25	>25	<25
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
Ant.8	<25	<25	>25	<25	<25	>25

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

11 TEST RESULT

11.1 GSM 850

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.4	DSI1	DATA 3slots	Left Cheek	0	190	836.6	-0.06	0.398	25.17	26.00	1.211	0.482	/
	DSI1		Left Tilt	0	190	836.6	-0.05	0.376	25.17	26.00	1.211	0.455	/
	DSI1		Right Cheek	0	190	836.6	-0.07	0.695	25.17	26.00	1.211	0.842	/
	DSI1		Right Tilt	0	190	836.6	0.03	0.608	25.17	26.00	1.211	0.736	/
	DSI1		Right Cheek	0	128	824.2	-0.02	0.623	25.08	26.00	1.236	0.770	/
	DSI1		Right Cheek	0	251	848.8	0.02	0.744	25.08	26.00	1.236	**0.920**	1#
Ant.0	DSI1	DATA 3slots	Left Cheek	0	251	848.8	0.03	0.148	28.80	29.50	1.175	0.174	/
	DSI1		Left Tilt	0	251	848.8	0.05	0.065	28.80	29.50	1.175	0.076	/
	DSI1		Right Cheek	0	251	848.8	-0.04	0.159	28.80	29.50	1.175	0.187	/
	DSI1		Right Tilt	0	251	848.8	0.03	0.082	28.80	29.50	1.175	0.096	/
Body-worn													
Ant.4	DSI4	DATA 3slots	Front Side	15	251	848.8	0.01	0.083	28.46	29.50	1.271	0.105	/
	DSI3		Back Side	15	251	848.8	-0.01	0.120	27.17	28.50	1.358	**0.163**	2#
Ant.0	DSI4	DATA 3slots	Front Side	15	251	848.8	0.04	0.091	28.80	29.50	1.175	0.107	/
	DSI2		Back Side	15	251	848.8	-0.06	0.125	28.80	29.50	1.175	0.147	/
Hotspot													
Ant.4	DSI5	DATA 3slots	Front Side	10	251	848.8	0.01	0.119	27.17	28.50	1.358	0.162	/
	DSI5		Back Side	10	251	848.8	0.03	0.162	27.17	28.50	1.358	**0.220**	3#
	DSI5		Left Edge	10	251	848.8	-0.09	0.047	27.17	28.50	1.358	0.064	/
	DSI5		Top Edge	10	251	848.8	0.08	0.152	27.17	28.50	1.358	0.206	/
Ant.0	DSI5	DATA 3slots	Front Side	10	251	848.8	0.01	0.117	28.80	29.50	1.175	0.137	/
	DSI5		Back Side	10	251	848.8	-0.02	0.183	28.80	29.50	1.175	0.215	/
	DSI5		Left Edge	10	251	848.8	-0.03	0.047	28.80	29.50	1.175	0.055	/
	DSI5		Right Edge	10	251	848.8	0.04	0.114	28.80	29.50	1.175	0.134	/
	DSI5		Bottom Edge	10	251	848.8	-0.01	0.140	28.80	29.50	1.175	0.165	/
Body (Sensor-1)													
Ant.4	DSI4	DATA 3slots	Front Side	14	251	848.8	0.09	0.076	28.46	29.50	1.271	0.097	/
	DSI4		Back Side	16	251	848.8	-0.07	0.090	28.46	29.50	1.271	0.114	/
	DSI4		Left Edge	11	251	848.8	0.03	0.051	28.46	29.50	1.271	0.065	/
	DSI4		Top Edge	15	251	848.8	0.05	0.075	28.46	29.50	1.271	0.095	/

11.2 GSM 1900

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.4	DSI1	DATA 3slots	Left Cheek	0	512	1850.2	-0.02	0.513	22.50	23.00	1.122	0.576	/
	DSI1		Left Tilt	0	512	1850.2	-0.03	0.612	22.50	23.00	1.122	0.687	/
	DSI1		Right Cheek	0	512	1850.2	0.09	0.750	22.50	23.00	1.122	0.842	/
	DSI1		Right Tilt	0	512	1850.2	-0.07	0.887	22.50	23.00	1.122	**0.995**	4#
	DSI1		Right Cheek	0	661	1880	0.01	0.678	22.45	23.00	1.135	0.770	/
	DSI1		Right Cheek	0	810	1909.8	0.11	0.669	22.49	23.00	1.125	0.753	/
	DSI1		Right Tilt	0	661	1880	-0.11	0.816	22.45	23.00	1.135	0.926	/
	DSI1		Right Tilt	0	810	1909.8	0.01	0.808	22.49	23.00	1.125	0.909	/
Ant.1	DSI1	DATA 4slots	Left Cheek	0	810	1909.8	0.02	0.060	24.98	26.00	1.265	0.076	/
	DSI1		Left Tilt	0	810	1909.8	-0.01	0.048	24.98	26.00	1.265	0.061	/
	DSI1		Right Cheek	0	810	1909.8	0.09	0.070	24.98	26.00	1.265	0.089	/
	DSI1		Right Tilt	0	810	1909.8	0.02	0.055	24.98	26.00	1.265	0.070	/
Body-worn													
Ant.4	DSI4	DATA 3slots	Front Side	15	661	1880	0.06	0.164	26.52	27.00	1.117	0.183	/
	DSI3		Back Side	15	512	1850.2	0.07	0.114	22.50	23.00	1.122	0.128	/
Ant.1	DSI4	DATA 4slots	Front Side	15	810	1909.8	0.08	0.167	24.98	26.00	1.265	0.211	/
	DSI2		Back Side	15	810	1909.8	0.01	0.210	24.98	26.00	1.265	**0.266**	5#
Hotspot													
Ant.4	DSI5	DATA 3slots	Front Side	10	512	1850.2	-0.07	0.202	22.50	23.00	1.122	0.227	/
	DSI5		Back Side	10	512	1850.2	0.13	0.181	22.50	23.00	1.122	0.203	/
	DSI5		Left Edge	10	512	1850.2	0.04	0.024	22.50	23.00	1.122	0.027	/
	DSI5		Top Edge	10	512	1850.2	0.02	0.373	22.50	23.00	1.122	0.419	/
Ant.1	DSI5	DATA 4slots	Front Side	10	810	1909.8	-0.09	0.312	24.98	26.00	1.265	0.395	/
	DSI5		Back Side	10	810	1909.8	-0.12	0.322	24.98	26.00	1.265	0.407	/
	DSI5		Left Edge	10	810	1909.8	-0.06	0.116	24.98	26.00	1.265	0.147	/
	DSI5		Right Edge	10	810	1909.8	0.11	0.065	24.98	26.00	1.265	0.082	/
	DSI5		Bottom Edge	10	810	1909.8	-0.05	0.622	24.98	26.00	1.265	**0.787**	6#
Body (Sensor-1)													
Ant.4	DSI4	DATA 3slots	Front Side	14	661	1880	0.11	0.181	26.52	27.00	1.117	0.202	/
	DSI4		Back Side	16	661	1880	0.00	0.215	26.52	27.00	1.117	0.240	/
	DSI4		Left Edge	11	661	1880	-0.05	0.049	26.52	27.00	1.117	0.055	/
	DSI4		Top Edge	15	661	1880	-0.05	0.392	26.52	27.00	1.117	0.438	/

11.3WCDMA Band 2

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.4	DSI1	RMC	Left Cheek	0	9538	1907.6	0.10	0.528	16.37	17.00	1.156	0.610	/
	DSI1		Left Tilt	0	9538	1907.6	0.14	0.673	16.37	17.00	1.156	0.778	/
	DSI1		Right Cheek	0	9538	1907.6	0.02	0.796	16.37	17.00	1.156	0.920	/
	DSI1		Right Tilt	0	9538	1907.6	0.04	0.907	16.37	17.00	1.156	**1.048**	7#
	DSI1		Right Cheek	0	9262	1852.4	0.12	0.721	16.18	17.00	1.208	0.871	/
	DSI1		Right Cheek	0	9400	1880	-0.04	0.724	16.22	17.00	1.197	0.867	/
	DSI1		Right Tilt	0	9262	1852.4	-0.02	0.825	16.18	17.00	1.208	0.997	/
	DSI1		Right Tilt	0	9400	1880	0.02	0.837	16.22	17.00	1.197	1.002	/
Ant.1	DSI1	RMC	Left Cheek	0	9400	1880	-0.12	0.122	24.60	25.00	1.096	0.134	/
	DSI1		Left Tilt	0	9400	1880	0.11	0.100	24.60	25.00	1.096	0.110	/
	DSI1		Right Cheek	0	9400	1880	0.07	0.137	24.60	25.00	1.096	0.150	/
	DSI1		Right Tilt	0	9400	1880	0.02	0.103	24.60	25.00	1.096	0.113	/
Body-worn													
Ant.4	DSI4	RMC	Front Side	15	9538	1907.6	-0.04	0.316	23.66	24.50	1.213	**0.383**	8#
	DSI3		Back Side	15	9538	1907.6	0.08	0.214	20.26	21.00	1.186	0.254	/
Ant.1	DSI4	RMC	Front Side	15	9400	1880	0.13	0.254	24.60	25.00	1.096	0.278	/
	DSI2		Back Side	15	9262	1852.4	-0.03	0.145	21.84	22.00	1.038	0.151	/
Hotspot													
Ant.4	DSI5	RMC	Front Side	10	9538	1907.6	0.11	0.324	20.26	21.00	1.186	0.384	/
	DSI5		Back Side	10	9538	1907.6	-0.04	0.284	20.26	21.00	1.186	0.337	/
	DSI5		Left Edge	10	9538	1907.6	0.07	0.052	20.26	21.00	1.186	0.062	/
	DSI5		Top Edge	10	9538	1907.6	-0.02	0.724	20.26	21.00	1.186	**0.859**	9#
	DSI5		Top Edge	10	9262	1852.4	0.01	0.630	20.17	21.00	1.211	0.763	/
	DSI5		Top Edge	10	9400	1880	-0.03	0.652	20.23	21.00	1.194	0.778	/
Ant.1	DSI5	RMC	Front Side	10	9262	1852.4	-0.06	0.260	21.84	22.00	1.038	0.270	/
	DSI5		Back Side	10	9262	1852.4	0.07	0.302	21.84	22.00	1.038	0.313	/
	DSI5		Left Edge	10	9262	1852.4	0.14	0.093	21.84	22.00	1.038	0.097	/
	DSI5		Right Edge	10	9262	1852.4	-0.01	0.052	21.84	22.00	1.038	0.054	/
	DSI5		Bottom Edge	10	9262	1852.4	-0.04	0.536	21.84	22.00	1.038	0.556	/
Body (Sensor-1)													
Ant.4	DSI4	RMC	Front Side	14	9538	1907.6	0.05	0.339	23.66	24.50	1.213	0.411	/
	DSI4		Back Side	16	9538	1907.6	-0.07	0.348	23.66	24.50	1.213	0.422	/
	DSI4		Left Edge	11	9538	1907.6	-0.09	0.125	23.66	24.50	1.213	0.152	/
	DSI4		Top Edge	15	9538	1907.6	-0.09	0.649	23.66	24.50	1.213	0.787	/
Ant.1	DSI4	RMC	Front Side	9	9400	1880	0.09	0.563	24.60	25.00	1.096	0.617	/
	DSI4		Back Side	16	9400	1880	0.07	0.258	24.60	25.00	1.096	0.283	/

	DSI4		Bottom Edge	15	9400	1880	-0.09	0.478	24.60	25.00	1.096	0.524	/

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	Top Edge	0	9400	1880	0.04	1.900	20.26	21.00	1.186	2.253	/
	DSI3		Top Edge	0	9262	1852.4	0.07	1.930	20.26	21.00	1.186	2.289	/
	DSI3		Top Edge	0	9538	1907.6	-0.02	2.000	20.26	21.00	1.186	**2.372**	10#

11.4WCDMA Band 4

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.4	DSI1	RMC	Left Cheek	0	1513	1752.6	0.05	0.454	18.49	19.00	1.125	0.511	/
	DSI1		Left Tilt	0	1513	1752.6	0.05	0.589	18.49	19.00	1.125	0.663	/
	DSI1		Right Cheek	0	1513	1752.6	0.11	0.708	18.49	19.00	1.125	0.797	/
	DSI1		Right Tilt	0	1513	1752.6	-0.02	0.949	18.49	19.00	1.125	**1.068**	11#
	DSI1		Right Tilt	0	1312	1712.4	-0.10	0.752	18.39	19.00	1.151	0.866	/
	DSI1		Right Tilt	0	1412	1732.4	-0.11	0.881	18.39	19.00	1.151	1.014	/
Ant.1	DSI1	RMC	Left Cheek	0	1412	1732.4	-0.01	0.120	24.78	25.00	1.052	0.126	/
	DSI1		Left Tilt	0	1412	1732.4	-0.01	0.066	24.78	25.00	1.052	0.069	/
	DSI1		Right Cheek	0	1412	1732.4	0.13	0.130	24.78	25.00	1.052	0.137	/
	DSI1		Right Tilt	0	1412	1732.4	-0.10	0.077	24.78	25.00	1.052	0.081	/
Body-worn													
Ant.4	DSI4	RMC	Front Side	15	1513	1752.6	-0.08	0.211	23.89	24.50	1.151	0.243	/
	DSI3		Back Side	15	1513	1752.6	-0.03	0.174	20.27	21.50	1.327	0.231	/
Ant.1	DSI4	RMC	Front Side	15	1412	1732.4	-0.04	0.234	24.78	25.00	1.052	**0.246**	12#
	DSI2		Back Side	15	1412	1732.4	0.12	0.158	21.80	22.00	1.047	0.165	/
Hotspot													
Ant.4	DSI5	RMC	Front Side	10	1513	1752.6	0.13	0.198	20.27	21.50	1.327	0.263	/
	DSI5		Back Side	10	1513	1752.6	0.11	0.195	20.27	21.50	1.327	0.259	/
	DSI5		Left Edge	10	1513	1752.6	0.04	0.035	20.27	21.50	1.327	0.046	/
	DSI5		Top Edge	10	1513	1752.6	-0.03	0.427	20.27	21.50	1.327	**0.567**	13#
Ant.1	DSI5	RMC	Front Side	10	1412	1732.4	0.14	0.233	21.80	22.00	1.047	0.244	/
	DSI5		Back Side	10	1412	1732.4	-0.12	0.275	21.80	22.00	1.047	0.288	/
	DSI5		Left Edge	10	1412	1732.4	0.14	0.072	21.80	22.00	1.047	0.075	/
	DSI5		Right Edge	10	1412	1732.4	0.00	0.039	21.80	22.00	1.047	0.041	/
	DSI5		Bottom Edge	10	1412	1732.4	-0.07	0.469	21.80	22.00	1.047	0.491	/
Body (Sensor-1)													
Ant.4	DSI4	RMC	Front Side	14	1513	1752.6	0.04	0.234	23.89	24.50	1.151	0.269	/
	DSI4		Back Side	16	1513	1752.6	0.07	0.201	23.89	24.50	1.151	0.231	/
	DSI4		Left Edge	11	1513	1752.6	-0.02	0.069	23.89	24.50	1.151	0.079	/
	DSI4		Top Edge	15	1513	1752.6	0.02	0.417	23.89	24.50	1.151	0.480	/
Ant.1	DSI4	RMC	Front Side	9	1412	1732.4	-0.03	0.568	24.78	25.00	1.052	0.598	/
	DSI4		Back Side	16	1412	1732.4	-0.08	0.243	24.78	25.00	1.052	0.256	/
	DSI4		Bottom Edge	15	1412	1732.4	-0.05	0.453	24.78	25.00	1.052	0.477	/

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	Top Edge	0	1513	1752.6	-0.05	1.920	20.27	21.50	1.327	**2.548**	14#
	DSI3		Top Edge	0	1312	1712.4	0.13	1.820	20.24	21.50	1.337	2.433	/
	DSI3		Top Edge	0	1412	1732.4	0.01	1.830	20.24	21.50	1.337	2.447	/

11.5WCDMA Band 5

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.4	DSI1	RMC	Left Cheek	0	4132	826.4	0.03	0.423	21.75	22.50	1.189	0.503	/
	DSI1		Left Tilt	0	4132	826.4	0.02	0.431	21.75	22.50	1.189	0.512	/
	DSI1		Right Cheek	0	4132	826.4	0.14	0.756	21.75	22.50	1.189	0.899	/
	DSI1		Right Tilt	0	4132	826.4	0.01	0.624	21.75	22.50	1.189	0.742	/
	DSI1		Right Cheek	0	4182	836.4	-0.12	0.715	21.63	22.50	1.222	0.874	/
	DSI1		Right Cheek	0	4233	846.6	-0.01	0.806	21.64	22.50	1.219	**0.983**	15#
Ant.0	DSI1	RMC	Left Cheek	0	4182	836.4	0.07	0.132	24.36	25.00	1.159	0.153	/
	DSI1		Left Tilt	0	4182	836.4	0.06	0.059	24.36	25.00	1.159	0.068	/
	DSI1		Right Cheek	0	4182	836.4	-0.07	0.154	24.36	25.00	1.159	0.178	/
	DSI1		Right Tilt	0	4182	836.4	0.14	0.069	24.36	25.00	1.159	0.080	/
Body-worn													
Ant.4	DSI4	RMC	Front Side	15	4233	846.6	-0.12	0.143	24.18	25.00	1.208	0.173	/
	DSI3		Back Side	15	4233	846.6	0.01	0.176	24.18	25.00	1.208	**0.213**	16#
Ant.0	DSI4	RMC	Front Side	15	4182	836.4	0.03	0.070	24.36	25.00	1.159	0.081	/
	DSI2		Back Side	15	4182	836.4	-0.03	0.090	24.36	25.00	1.159	0.104	/
Hotspot													
Ant.4	DSI5	RMC	Front Side	10	4233	846.6	0.03	0.174	24.18	25.00	1.208	0.210	/
	DSI5		Back Side	10	4233	846.6	0.01	0.220	24.18	25.00	1.208	**0.266**	17#
	DSI5		Left Edge	10	4233	846.6	0.09	0.037	24.18	25.00	1.208	0.045	/
	DSI5		Top Edge	10	4233	846.6	-0.11	0.046	24.18	25.00	1.208	0.056	/
Ant.0	DSI5	RMC	Front Side	10	4182	836.4	0.03	0.131	24.36	25.00	1.159	0.152	/
	DSI5		Back Side	10	4182	836.4	-0.01	0.220	24.36	25.00	1.159	0.255	/
	DSI5		Left Edge	10	4182	836.4	0.09	0.013	24.36	25.00	1.159	0.015	/
	DSI5		Right Edge	10	4182	836.4	0.08	0.051	24.36	25.00	1.159	0.059	/
	DSI5		Bottom Edge	10	4182	836.4	-0.01	0.115	24.36	25.00	1.159	0.133	/

11.6 LTE Band 2 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.4	DSI1	QPSK	Left Cheek	0	19100	1900	1	Mid	-0.13	0.395	15.61	17.00	1.377	0.544	/
	DSI1		Left Tilt	0	19100	1900	1	Mid	-0.08	0.536	15.61	17.00	1.377	0.738	/
	DSI1		Right Cheek	0	19100	1900	1	Mid	-0.06	0.573	15.61	17.00	1.377	0.789	/
	DSI1		Right Tilt	0	19100	1900	1	Mid	-0.05	0.725	15.61	17.00	1.377	**0.998**	18#
	DSI1		Left Cheek	0	19100	1900	50	High	0.07	0.413	15.71	17.00	1.346	0.556	/
	DSI1		Left Tilt	0	19100	1900	50	High	-0.15	0.529	15.71	17.00	1.346	0.712	/
	DSI1		Right Cheek	0	19100	1900	50	High	0.03	0.568	15.71	17.00	1.346	0.765	/
	DSI1		Right Tilt	0	19100	1900	50	High	-0.08	0.720	15.71	17.00	1.346	0.969	/
	DSI1		Right Tilt	0	18700	1860	1	High	0.13	0.700	15.52	17.00	1.406	0.984	/
	DSI1		Right Tilt	0	18900	1880	1	Mid	0.03	0.692	15.56	17.00	1.393	0.964	/
	DSI1		Right Tilt	0	18700	1860	50	High	-0.06	0.701	15.66	17.00	1.361	0.954	/
	DSI1		Right Tilt	0	18900	1880	50	High	0.02	0.712	15.63	17.00	1.371	0.976	/
	DSI1		Right Tilt	0	18700	1860	100	Low	-0.11	0.703	15.67	17.00	1.358	0.955	/
Ant.3	DSI1	QPSK	Left Cheek	0	18900	1880	1	Mid	-0.10	0.182	21.78	22.50	1.180	0.215	/
	DSI1		Left Tilt	0	18900	1880	1	Mid	0.13	0.058	21.78	22.50	1.180	0.068	/
	DSI1		Right Cheek	0	18900	1880	1	Mid	0.12	0.432	21.78	22.50	1.180	0.510	/
	DSI1		Right Tilt	0	18900	1880	1	Mid	0.03	0.084	21.78	22.50	1.180	0.099	/
	DSI1		Left Cheek	0	18900	1880	50	High	0.07	0.163	21.64	22.50	1.219	0.199	/
	DSI1		Left Tilt	0	18900	1880	50	High	0.07	0.045	21.64	22.50	1.219	0.055	/
	DSI1		Right Cheek	0	18900	1880	50	High	0.11	0.416	21.64	22.50	1.219	0.507	/
	DSI1		Right Tilt	0	18900	1880	50	High	0.00	0.079	21.64	22.50	1.219	0.096	/
Ant.1	DSI1	QPSK	Left Cheek	0	18900	1880	1	Mid	-0.02	0.120	24.33	25.50	1.309	0.157	/
	DSI1		Left Tilt	0	18900	1880	1	Mid	-0.05	0.095	24.33	25.50	1.309	0.124	/
	DSI1		Right Cheek	0	18900	1880	1	Mid	0.07	0.122	24.33	25.50	1.309	0.160	/
	DSI1		Right Tilt	0	18900	1880	1	Mid	-0.03	0.095	24.33	25.50	1.309	0.124	/
	DSI1		Left Cheek	0	18700	1860	50	High	0.05	0.097	23.49	24.50	1.262	0.122	/
	DSI1		Left Tilt	0	18700	1860	50	High	-0.14	0.076	23.49	24.50	1.262	0.096	/
	DSI1		Right Cheek	0	18700	1860	50	High	0.10	0.096	23.49	24.50	1.262	0.121	/
	DSI1		Right Tilt	0	18700	1860	50	High	0.01	0.075	23.49	24.50	1.262	0.095	/
Body-worn															
Ant.4	DSI4	QPSK	Front Side	15	19100	1900	1	Mid	-0.01	0.366	23.86	25.50	1.459	**0.534**	19#
	DSI3		Back Side	15	19100	1900	1	Low	-0.01	0.159	20.01	21.50	1.409	0.224	/
	DSI4		Front Side	15	19100	1900	50	High	-0.08	0.280	22.93	24.50	1.435	0.402	/
	DSI3		Back Side	15	19100	1900	50	High	-0.07	0.160	20.11	21.50	1.377	0.220	/
Ant.3	DSI4	QPSK	Front Side	15	18900	1880	1	Mid	-0.12	0.091	23.75	24.50	1.189	0.108	/
	DSI3		Back Side	15	18900	1880	1	Mid	-0.07	0.145	23.75	24.50	1.189	0.172	/

	DSI4		Front Side	15	18900	1880	50	Mid	0.08	0.072	22.61	23.50	1.227	0.088	/
	DSI3		Back Side	15	18900	1880	50	Mid	0.06	0.114	22.61	23.50	1.227	0.140	/
Ant.1	DSI4	QP SK	Front Side	15	18900	1880	1	Mid	0.04	0.241	24.33	25.50	1.309	0.315	/
	DSI2		Back Side	15	18700	1860	1	High	0.00	0.123	21.35	22.00	1.161	0.143	/
	DSI4		Front Side	15	18700	1860	50	High	0.10	0.198	23.49	24.50	1.262	0.250	/
	DSI2		Back Side	15	18700	1860	50	High	-0.03	0.120	21.48	22.00	1.127	0.135	/
Hotspot															
Ant.4	DSI5	QP SK	Front Side	10	19100	1900	1	Low	-0.06	0.251	20.01	21.50	1.409	0.354	/
	DSI5		Back Side	10	19100	1900	1	Low	0.01	0.304	20.01	21.50	1.409	0.428	/
	DSI5		Left Edge	10	19100	1900	1	Low	0.01	0.039	20.01	21.50	1.409	0.055	/
	DSI5		Top Edge	10	19100	1900	1	Low	-0.06	0.548	20.01	21.50	1.409	**0.772**	20#
	DSI5		Front Side	10	19100	1900	50	High	-0.01	0.253	20.11	21.50	1.377	0.348	/
	DSI5		Back Side	10	19100	1900	50	High	0.11	0.245	20.11	21.50	1.377	0.337	/
	DSI5		Left Edge	10	19100	1900	50	High	0.08	0.037	20.11	21.50	1.377	0.051	/
	DSI5		Top Edge	10	19100	1900	50	High	0.01	0.535	20.11	21.50	1.377	0.737	/
Ant.3	DSI5	QP SK	Front Side	10	18900	1880	1	Mid	-0.02	0.236	23.75	24.50	1.189	0.281	/
	DSI5		Back Side	10	18900	1880	1	Mid	0.07	0.405	23.75	24.50	1.189	0.482	/
	DSI5		Left Edge	10	18900	1880	1	Mid	0.04	0.568	23.75	24.50	1.189	0.675	/
	DSI5		Front Side	10	18900	1880	50	Mid	0.12	0.182	22.61	23.50	1.227	0.223	/
	DSI5		Back Side	10	18900	1880	50	Mid	-0.08	0.321	22.61	23.50	1.227	0.394	/
	DSI5		Left Edge	10	18900	1880	50	Mid	0.03	0.440	22.61	23.50	1.227	0.540	/
Ant.1	DSI5	QP SK	Front Side	10	18700	1860	1	High	0.11	0.255	21.35	22.00	1.161	0.296	/
	DSI5		Back Side	10	18700	1860	1	High	-0.07	0.278	21.35	22.00	1.161	0.323	/
	DSI5		Left Edge	10	18700	1860	1	High	0.01	0.088	21.35	22.00	1.161	0.102	/
	DSI5		Right Edge	10	18700	1860	1	High	0.10	0.050	21.35	22.00	1.161	0.058	/
	DSI5		Bottom Edge	10	18700	1860	1	High	-0.10	0.518	21.35	22.00	1.161	0.601	/
	DSI5		Front Side	10	18700	1860	50	High	0.11	0.258	21.48	22.00	1.127	0.291	/
	DSI5		Back Side	10	18700	1860	50	High	-0.04	0.284	21.48	22.00	1.127	0.320	/
	DSI5		Left Edge	10	18700	1860	50	High	-0.12	0.088	21.48	22.00	1.127	0.099	/
	DSI5		Right Edge	10	18700	1860	50	High	0.13	0.047	21.48	22.00	1.127	0.053	/
	DSI5		Bottom Edge	10	18700	1860	50	High	0.13	0.516	21.48	22.00	1.127	0.582	/
Body (Sensor-1)															
Ant.4	DSI4	QP SK	Front Side	14	19100	1900	1	Mid	-0.02	0.378	23.86	25.50	1.459	0.552	/
	DSI4		Back Side	16	19100	1900	1	Mid	0.01	0.289	23.86	25.50	1.459	0.422	/
	DSI4		Left Edge	11	19100	1900	1	Mid	0.06	0.112	23.86	25.50	1.459	0.163	/
	DSI4		Top Edge	15	19100	1900	1	Mid	-0.04	0.675	23.86	25.50	1.459	0.985	/
	DSI4		Front Side	14	19100	1900	50	High	-0.10	0.296	22.93	24.50	1.435	0.425	/
	DSI4		Back Side	16	19100	1900	50	High	0.10	0.228	22.93	24.50	1.435	0.327	/
	DSI4		Left Edge	11	19100	1900	50	High	-0.04	0.087	22.93	24.50	1.435	0.125	/
	DSI4		Top Edge	15	19100	1900	50	High	-0.02	0.535	22.93	24.50	1.435	0.768	/
	DSI4		Top Edge	15	18700	1860	1	Mid	0.06	0.635	23.81	25.50	1.476	0.937	/
	DSI4		Top Edge	15	18900	1880	1	Low	-0.09	0.628	23.85	25.50	1.462	0.918	/
	DSI4		Top Edge	15	18700	1860	100	Low	-0.01	0.510	22.89	24.50	1.449	0.739	/

Ant.1	DSI4	QPSK	Front Side	9	18900	1880	1	Mid	-0.02	0.493	24.33	25.50	1.309	0.645	/
	DSI4		Back Side	16	18900	1880	1	Mid	-0.10	0.211	24.33	25.50	1.309	0.276	/
	DSI4		Bottom Edge	15	18900	1880	1	Mid	-0.06	0.456	24.33	25.50	1.309	0.597	/
	DSI4		Front Side	9	18700	1860	50	High	-0.01	0.390	23.49	24.50	1.262	0.492	/
	DSI4		Back Side	16	18700	1860	50	High	-0.03	0.163	23.49	24.50	1.262	0.206	/
	DSI4		Bottom Edge	15	18700	1860	50	High	-0.07	0.357	23.49	24.50	1.262	0.451	/

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	19100	1900	1	Low	0.02	1.820	20.01	21.50	1.409	**2.564**	21#
	DSI3		Top Edge	0	19100	1900	50	Low	-0.11	1.800	20.11	21.50	1.377	2.479	/
	DSI3		Top Edge	0	18700	1860	1	Mid	0.00	1.770	19.99	21.50	1.416	2.506	/
	DSI3		Top Edge	0	18900	1880	1	High	0.11	1.800	19.97	21.50	1.422	2.560	/
	DSI3		Top Edge	0	18700	1860	50	High	0.04	1.800	20.00	21.50	1.413	2.543	/
	DSI3		Top Edge	0	18900	1880	50	High	0.13	1.780	20.08	21.50	1.387	2.469	/
	DSI3		Top Edge	0	18900	1880	100	Low	0.01	1.780	20.10	21.50	1.380	2.456	/
Ant.1	DSI2	QPSK	Bottom Edge	0	18700	1860	1	High	-0.13	1.750	21.35	22.00	1.161	2.032	/
	DSI2		Bottom Edge	0	18700	1860	50	High	-0.07	1.780	21.48	22.00	1.127	2.006	/
	DSI2		Bottom Edge	0	18900	1880	1	Mid	-0.04	1.640	21.33	22.00	1.167	1.914	/
	DSI2		Bottom Edge	0	19100	1900	1	Low	-0.07	1.650	21.27	22.00	1.183	1.952	/
	DSI2		Bottom Edge	0	18900	1880	50	High	0.13	1.680	21.46	22.00	1.132	1.902	/
	DSI2		Bottom Edge	0	19100	1900	50	High	-0.06	1.650	21.42	22.00	1.143	1.886	/
	DSI2		Bottom Edge	0	18700	1860	100	Low	0.12	1.620	21.52	22.00	1.117	1.810	/

11.7 Worst Case for 25098RA98G of LTE Band 2 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Body-worn-Worst Case for Bracket															
Ant.4	DSI4	QPSK	Front Side	15	19100	1900	1	Mid	0.05	0.322	23.86	25.50	1.459	**0.470**	127#
Body-worn-Worst Case for Secondary supply															
Ant.4	DSI4	QPSK	Front Side	15	19100	1900	1	Mid	0.03	0.343	23.86	25.50	1.459	**0.500**	128#
Body-worn-Worst Case for Three supply															
Ant.4	DSI4	QPSK	Front Side	15	19100	1900	1	Mid	0.02	0.350	23.86	25.50	1.459	**0.511**	129#

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-Worst Case for Bracket															
Ant.4	DSI3	QPSK	Top Edge	0	19100	1900	1	Low	-0.02	1.790	20.01	21.50	1.409	**2.522**	133#
Specific--Worst Case for Secondary supply															
Ant.4	DSI3	QPSK	Top Edge	0	19100	1900	1	Low	-0.08	1.690	20.01	21.50	1.409	**2.381**	134#
Specific-Worst Case for Three supply															
Ant.4	DSI3	QPSK	Top Edge	0	19100	1900	1	Low	-0.13	1.740	20.01	21.50	1.409	**2.452**	135#

11.8 Worst Case for 25118PC98G of LTE Band 2 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Body-worn-Worst Case for 25118PC98G															
Ant.4	DSI4	QPSK	Front Side	15	19100	1900	1	Mid	0.02	0.352	23.86	25.50	1.459	**0.514**	155#

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-Worst Case for 25118PC98G															
Ant.4	DSI3	QPSK	Top Edge	0	19100	1900	1	Low	-0.03	1.660	20.01	21.50	1.409	**2.339**	157#

11.9 LTE Band 4 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.4	DSI1	QPSK	Left Cheek	0	20050	1720	1	High	-0.08	0.453	17.15	18.50	1.365	0.618	/
	DSI1		Left Tilt	0	20050	1720	1	High	0.02	0.512	17.15	18.50	1.365	0.699	/
	DSI1		Right Cheek	0	20050	1720	1	High	-0.09	0.543	17.15	18.50	1.365	0.741	/
	DSI1		Right Tilt	0	20050	1720	1	High	-0.01	0.685	17.15	18.50	1.365	0.935	/
	DSI1		Left Cheek	0	20300	1745	50	High	0.01	0.455	17.22	18.50	1.343	0.611	/
	DSI1		Left Tilt	0	20300	1745	50	High	0.09	0.516	17.22	18.50	1.343	0.693	/
	DSI1		Right Cheek	0	20300	1745	50	High	-0.14	0.548	17.22	18.50	1.343	0.736	/
	DSI1		Right Tilt	0	20300	1745	50	High	-0.07	0.730	17.22	18.50	1.343	**0.980**	22#
	DSI1		Right Tilt	0	20175	1732.5	1	High	0.13	0.680	17.14	18.50	1.368	0.930	/
	DSI1		Right Tilt	0	20300	1745	1	High	-0.13	0.685	17.10	18.50	1.380	0.945	/
	DSI1		Right Tilt	0	20050	1720	50	High	0.13	0.691	17.17	18.50	1.358	0.938	/
	DSI1		Right Tilt	0	20175	1732.5	50	High	0.00	0.671	17.18	18.50	1.355	0.909	/
	DSI1		Right Tilt	0	20050	1720	100	Low	0.01	0.706	17.21	18.50	1.346	0.950	/
Ant.3	DSI1	QPSK	Left Cheek	0	20300	1745	1	Mid	0.00	0.191	18.40	19.00	1.148	0.219	/
	DSI1		Left Tilt	0	20300	1745	1	Mid	-0.11	0.060	18.40	19.00	1.148	0.069	/
	DSI1		Right Cheek	0	20300	1745	1	Mid	-0.01	0.461	18.40	19.00	1.148	0.529	/
	DSI1		Right Tilt	0	20300	1745	1	Mid	0.10	0.092	18.40	19.00	1.148	0.106	/
	DSI1		Left Cheek	0	20300	1745	50	High	-0.09	0.187	18.39	19.00	1.151	0.215	/
	DSI1		Left Tilt	0	20300	1745	50	High	0.08	0.058	18.39	19.00	1.151	0.067	/
	DSI1		Right Cheek	0	20300	1745	50	High	-0.09	0.440	18.39	19.00	1.151	0.506	/
	DSI1		Right Tilt	0	20300	1745	50	High	0.04	0.087	18.39	19.00	1.151	0.100	/
Ant.1	DSI1	QPSK	Left Cheek	0	20300	1745	1	Low	-0.01	0.111	24.39	25.50	1.291	0.143	/
	DSI1		Left Tilt	0	20300	1745	1	Low	0.07	0.061	24.39	25.50	1.291	0.079	/
	DSI1		Right Cheek	0	20300	1745	1	Low	-0.06	0.115	24.39	25.50	1.291	0.148	/
	DSI1		Right Tilt	0	20300	1745	1	Low	-0.11	0.061	24.39	25.50	1.291	0.079	/
	DSI1		Left Cheek	0	20050	1720	50	Mid	0.11	0.090	23.49	24.50	1.262	0.114	/
	DSI1		Left Tilt	0	20050	1720	50	Mid	-0.10	0.048	23.49	24.50	1.262	0.061	/
	DSI1		Right Cheek	0	20050	1720	50	Mid	-0.13	0.089	23.49	24.50	1.262	0.112	/
	DSI1		Right Tilt	0	20050	1720	50	Mid	0.09	0.046	23.49	24.50	1.262	0.058	/
Body-worn															
Ant.4	DSI4	QPSK	Front Side	15	20175	1732.5	1	High	-0.10	0.183	23.83	25.50	1.469	0.269	/
	DSI3		Back Side	15	20300	1745	1	High	0.04	0.068	19.18	20.50	1.355	0.092	/
	DSI4		Front Side	15	20300	1745	50	High	-0.08	0.141	22.84	24.50	1.466	0.207	/
	DSI3		Back Side	15	20300	1745	50	High	-0.05	0.065	19.33	20.50	1.309	0.085	/
Ant.3	DSI4	QPSK	Front Side	15	20300	1745	1	Mid	0.10	0.174	23.90	24.50	1.148	0.200	/
	DSI3		Back Side	15	20300	1745	1	Mid	0.04	0.158	21.38	22.00	1.153	0.182	/

	DSI4		Front Side	15	20050	1720	50	High	-0.01	0.127	22.87	23.50	1.156	0.147	/
	DSI3		Back Side	15	20050	1720	50	High	-0.11	0.155	21.41	22.00	1.146	0.178	/
Ant.1	DSI4	QPSK	Front Side	15	20300	1745	1	Low	0.02	0.216	24.39	25.50	1.291	**0.279**	23#
	DSI2		Back Side	15	20300	1745	1	Low	0.03	0.114	21.45	22.00	1.135	0.129	/
	DSI4		Front Side	15	20050	1720	50	Mid	0.12	0.172	23.49	24.50	1.262	0.217	/
	DSI2		Back Side	15	20050	1720	50	Mid	-0.07	0.120	21.53	22.00	1.114	0.134	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	20300	1745	1	High	-0.10	0.236	19.18	20.50	1.355	0.320	/
	DSI5		Back Side	10	20300	1745	1	High	0.05	0.245	19.18	20.50	1.355	0.332	/
	DSI5		Left Edge	10	20300	1745	1	High	-0.09	0.075	19.18	20.50	1.355	0.102	/
	DSI5		Top Edge	10	20300	1745	1	High	-0.05	0.429	19.18	20.50	1.355	**0.581**	24#
	DSI5		Front Side	10	20300	1745	50	High	-0.09	0.241	19.30	20.50	1.318	0.318	/
	DSI5		Back Side	10	20300	1745	50	High	-0.02	0.250	19.30	20.50	1.318	0.330	/
	DSI5		Left Edge	10	20300	1745	50	High	0.11	0.081	19.30	20.50	1.318	0.107	/
	DSI5		Top Edge	10	20300	1745	50	High	-0.06	0.420	19.30	20.50	1.318	0.554	/
Ant.3	DSI5	QPSK	Front Side	10	20300	1745	1	Mid	0.10	0.173	21.38	22.00	1.153	0.199	/
	DSI5		Back Side	10	20300	1745	1	Mid	-0.12	0.304	21.38	22.00	1.153	0.351	/
	DSI5		Left Edge	10	20300	1745	1	Mid	-0.04	0.391	21.38	22.00	1.153	0.451	/
	DSI5		Front Side	10	20050	1720	50	High	0.07	0.170	21.41	22.00	1.146	0.195	/
	DSI5		Back Side	10	20050	1720	50	High	-0.08	0.289	21.41	22.00	1.146	0.331	/
	DSI5		Left Edge	10	20050	1720	50	High	0.02	0.385	21.41	22.00	1.146	0.441	/
Ant.1	DSI5	QPSK	Front Side	10	20300	1745	1	Low	-0.03	0.230	21.45	22.00	1.135	0.261	/
	DSI5		Back Side	10	20300	1745	1	Low	0.08	0.256	21.45	22.00	1.135	0.291	/
	DSI5		Left Edge	10	20300	1745	1	Low	-0.08	0.078	21.45	22.00	1.135	0.089	/
	DSI5		Right Edge	10	20300	1745	1	Low	-0.10	0.039	21.45	22.00	1.135	0.044	/
	DSI5		Bottom Edge	10	20300	1745	1	Low	0.10	0.478	21.45	22.00	1.135	0.543	/
	DSI5		Front Side	10	20050	1720	50	Mid	0.10	0.237	21.53	22.00	1.114	0.264	/
	DSI5		Back Side	10	20050	1720	50	Mid	0.05	0.270	21.53	22.00	1.114	0.301	/
	DSI5		Left Edge	10	20050	1720	50	Mid	0.13	0.076	21.53	22.00	1.114	0.085	/
	DSI5		Right Edge	10	20050	1720	50	Mid	0.02	0.035	21.53	22.00	1.114	0.039	/
	DSI5		Bottom Edge	10	20050	1720	50	Mid	-0.11	0.460	21.53	22.00	1.114	0.512	/
Body (Sensor-1)															
Ant.4	DSI4	QPSK	Front Side	14	20175	1732.5	1	High	0.09	0.253	23.83	25.50	1.469	0.372	/
	DSI4		Back Side	16	20175	1732.5	1	High	-0.06	0.262	23.83	25.50	1.469	0.385	/
	DSI4		Left Edge	11	20175	1732.5	1	High	0.09	0.156	23.83	25.50	1.469	0.229	/
	DSI4		Top Edge	15	20175	1732.5	1	High	-0.05	0.485	23.83	25.50	1.469	0.712	/
	DSI4		Front Side	14	20300	1745	50	High	-0.11	0.203	22.84	24.50	1.466	0.298	/
	DSI4		Back Side	16	20300	1745	50	High	0.08	0.211	22.84	24.50	1.466	0.309	/
	DSI4		Left Edge	11	20300	1745	50	High	-0.10	0.126	22.84	24.50	1.466	0.185	/
	DSI4		Top Edge	15	20300	1745	50	High	-0.06	0.390	22.84	24.50	1.466	0.572	/
Ant.3	DSI4	QPSK	Front Side	14	20300	1745	1	Mid	0.10	0.171	23.90	24.50	1.148	0.196	/
	DSI4		Back Side	16	20300	1745	1	Mid	0.09	0.169	23.90	24.50	1.148	0.194	/
	DSI4		Left Edge	11	20300	1745	1	Mid	0.01	0.685	23.90	24.50	1.148	0.786	/

	DSI4		Top Edge	15	20300	1745	1	Mid	-0.08	0.039	23.90	24.50	1.148	0.045	/
	DSI4		Front Side	14	20050	1720	50	High	-0.04	0.135	22.87	23.50	1.156	0.156	/
	DSI4		Back Side	16	20050	1720	50	High	0.07	0.132	22.87	23.50	1.156	0.153	/
	DSI4		Left Edge	11	20050	1720	50	High	0.00	0.542	22.87	23.50	1.156	0.627	/
	DSI4		Top Edge	15	20050	1720	50	High	0.10	0.030	22.87	23.50	1.156	0.035	/
Ant.1	DSI4	QPSK	Front Side	9	20300	1745	1	Low	0.10	0.576	24.39	25.50	1.291	0.744	/
	DSI4		Back Side	16	20300	1745	1	Low	-0.08	0.243	24.39	25.50	1.291	0.314	/
	DSI4		Bottom Edge	15	20300	1745	1	Low	0.03	0.461	24.39	25.50	1.291	0.595	/
	DSI4		Front Side	9	20050	1720	50	Mid	-0.05	0.456	23.49	24.50	1.262	0.575	/
	DSI4		Back Side	16	20050	1720	50	Mid	0.10	0.195	23.49	24.50	1.262	0.246	/
	DSI4		Bottom Edge	15	20050	1720	50	Mid	0.01	0.364	23.49	24.50	1.262	0.459	/

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	20300	1745	1	High	-0.03	1.520	19.18	20.50	1.355	**2.060**	25#
	DSI3		Top Edge	0	20300	1745	50	High	0.12	1.520	19.30	20.50	1.318	2.003	/
	DSI3		Top Edge	0	20050	1720	1	Low	-0.08	1.480	19.15	20.50	1.365	2.020	/
	DSI3		Top Edge	0	20175	1732.5	1	High	0.07	1.490	19.16	20.50	1.361	2.028	/
	DSI3		Top Edge	0	20050	1720	50	High	0.07	1.510	19.25	20.50	1.334	2.014	/
	DSI3		Top Edge	0	20175	1732.5	50	High	-0.11	1.430	19.24	20.50	1.337	1.912	/
	DSI3		Top Edge	0	20300	1745	100	Low	-0.11	1.510	19.28	20.50	1.324	1.999	/
Ant.1	DSI2	QPSK	Bottom Edge	0	20300	1745	1	Low	-0.13	1.490	21.45	22.00	1.135	1.691	/
	DSI2		Bottom Edge	0	20050	1720	50	Mid	0.04	1.450	21.53	22.00	1.114	1.615	/

11.10 Worst Case for 25118PC98G of LTE Band 4 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head-Worst Case for 25118PC98G															
Ant.4	DSI1	QPSK	Right Tilt	0	20300	1745	50	High	0.02	0.634	17.22	18.50	1.343	**0.851**	142#
Body-worn-Worst Case for 25118PC98G															
Ant.1	DSI4	QPSK	Front Side	15	20300	1745	1	Low	0.00	0.255	24.39	25.50	1.291	**0.329**	143#
Hotspot-Worst Case for 25118PC98G															
Ant.4	DSI5	QPSK	Top Edge	10	20300	1745	1	High	0.01	0.365	19.18	20.50	1.355	**0.495**	144#

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-Worst Case for 25118PC98G															
Ant.4	DSI3	QPSK	Top Edge	0	20300	1745	1	High	0.01	1.470	19.18	20.50	1.355	**1.992**	145#

11.11 LTE 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	-0.15	0.583	22.74	23.50	1.191	0.694	/
	DSI1		Left Tilt	0	20525	836.5	1	Low	0.13	0.539	22.74	23.50	1.191	0.642	/
	DSI1		Right Cheek	0	20525	836.5	1	Low	-0.11	0.877	22.74	23.50	1.191	1.045	/
	DSI1		Right Tilt	0	20525	836.5	1	Low	-0.02	0.771	22.74	23.50	1.191	0.918	/
	DSI1		Left Cheek	0	20450	829	25	Mid	0.11	0.561	22.72	23.50	1.197	0.672	/
	DSI1		Left Tilt	0	20450	829	25	Mid	0.10	0.538	22.72	23.50	1.197	0.644	/
	DSI1		Right Cheek	0	20450	829	25	Mid	0.13	0.867	22.72	23.50	1.197	1.038	/
	DSI1		Right Tilt	0	20450	829	25	Mid	-0.05	0.779	22.72	23.50	1.197	0.932	/
	DSI1		Right Cheek	0	20450	829	1	Low	-0.12	0.810	22.65	23.50	1.216	0.985	/
	DSI1		Right Cheek	0	20600	844	1	Mid	-0.01	0.882	22.66	23.50	1.213	**1.070**	26#
	DSI1		Right Cheek	0	20525	836.5	25	High	0.04	0.834	22.69	23.50	1.205	1.005	/
	DSI1		Right Cheek	0	20600	844	25	High	0.13	0.815	22.67	23.50	1.211	0.987	/
	DSI1		Right Cheek	0	20450	829	50	Low	0.06	0.786	22.72	23.50	1.197	0.941	/
	DSI1		Right Tilt	0	20450	829	1	Low	-0.10	0.701	22.65	23.50	1.216	0.852	/
	DSI1		Right Tilt	0	20600	844	1	Mid	-0.10	0.735	22.66	23.50	1.213	0.892	/
	DSI1		Right Tilt	0	20525	836.5	25	High	0.11	0.721	22.69	23.50	1.205	0.869	/
	DSI1		Right Tilt	0	20600	844	25	High	-0.15	0.698	22.67	23.50	1.211	0.845	/
	DSI1		Right Tilt	0	20450	829	50	Low	-0.08	0.685	22.72	23.50	1.197	0.820	/
Ant.0	DSI1	QPSK	Left Cheek	0	20600	844	1	Mid	0.04	0.127	24.23	25.50	1.340	0.170	/
	DSI1		Left Tilt	0	20600	844	1	Mid	-0.08	0.058	24.23	25.50	1.340	0.078	/
	DSI1		Right Cheek	0	20600	844	1	Mid	-0.08	0.143	24.23	25.50	1.340	0.192	/
	DSI1		Right Tilt	0	20600	844	1	Mid	-0.09	0.075	24.23	25.50	1.340	0.101	/
	DSI1		Left Cheek	0	20525	836.5	25	High	0.10	0.102	23.18	24.50	1.355	0.138	/
	DSI1		Left Tilt	0	20525	836.5	25	High	0.07	0.045	23.18	24.50	1.355	0.061	/
	DSI1		Right Cheek	0	20525	836.5	25	High	-0.06	0.119	23.18	24.50	1.355	0.161	/
	DSI1		Right Tilt	0	20525	836.5	25	High	-0.10	0.057	23.18	24.50	1.355	0.077	/
Body-worn															
Ant.4	DSI4	QPSK	Front Side	15	20525	836.5	1	Low	-0.15	0.090	24.40	25.50	1.288	0.116	/
	DSI4		Back Side	15	20525	836.5	1	Low	-0.10	0.111	24.40	25.50	1.288	0.143	/
	DSI3		Front Side	15	20450	829	25	Mid	-0.11	0.076	23.40	24.50	1.288	0.098	/
	DSI3		Back Side	15	20450	829	25	Mid	0.02	0.091	23.40	24.50	1.288	0.117	/
Ant.0	DSI4	QPSK	Front Side	15	20600	844	1	Mid	0.07	0.121	24.23	25.50	1.340	0.162	/
	DSI4		Back Side	15	20600	844	1	Mid	-0.03	0.141	24.23	25.50	1.340	**0.189**	27#
	DSI3		Front Side	15	20525	836.5	25	High	-0.12	0.093	23.18	24.50	1.355	0.126	/
	DSI3		Back Side	15	20525	836.5	25	High	-0.08	0.115	23.18	24.50	1.355	0.156	/
Hotspot															

Ant.4	DSI5	QPSK	Front Side	10	20525	836.5	1	Low	0.05	0.134	24.40	25.50	1.288	0.173	/
	DSI5		Back Side	10	20525	836.5	1	Low	0.01	0.178	24.40	25.50	1.288	**0.229**	28#
	DSI5		Left Edge	10	20525	836.5	1	Low	0.11	0.051	24.40	25.50	1.288	0.066	/
	DSI5		Top Edge	10	20525	836.5	1	Low	-0.09	0.123	24.40	25.50	1.288	0.158	/
	DSI5		Front Side	10	20450	829	25	Mid	0.10	0.107	23.40	24.50	1.288	0.138	/
	DSI5		Back Side	10	20450	829	25	Mid	-0.12	0.126	23.40	24.50	1.288	0.162	/
	DSI5		Left Edge	10	20450	829	25	Mid	0.13	0.040	23.40	24.50	1.288	0.052	/
	DSI5		Top Edge	10	20450	829	25	Mid	0.07	0.099	23.40	24.50	1.288	0.128	/
Ant.0	DSI5	QPSK	Front Side	10	20600	844	1	Mid	0.00	0.111	24.23	25.50	1.340	0.149	/
	DSI5		Back Side	10	20600	844	1	Mid	-0.14	0.166	24.23	25.50	1.340	0.222	/
	DSI5		Left Edge	10	20600	844	1	Mid	0.13	0.046	24.23	25.50	1.340	0.062	/
	DSI5		Right Edge	10	20600	844	1	Mid	0.09	0.127	24.23	25.50	1.340	0.170	/
	DSI5		Bottom Edge	10	20600	844	1	Mid	-0.14	0.126	24.23	25.50	1.340	0.169	/
	DSI5		Front Side	10	20525	836.5	25	High	0.09	0.091	23.18	24.50	1.355	0.123	/
	DSI5		Back Side	10	20525	836.5	25	High	0.01	0.136	23.18	24.50	1.355	0.184	/
	DSI5		Left Edge	10	20525	836.5	25	High	-0.09	0.038	23.18	24.50	1.355	0.051	/
	DSI5		Right Edge	10	20525	836.5	25	High	0.10	0.101	23.18	24.50	1.355	0.137	/
	DSI5		Bottom Edge	10	20525	836.5	25	High	-0.13	0.104	23.18	24.50	1.355	0.141	/

11.12 Worst Case for 25098RA98G of LTE 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-Worst Case for Bracket															
Ant.4	DSI1	QPSK	Right Cheek	0	20600	844	1	Mid	-0.08	0.877	22.66	23.50	1.213	**1.064**	124#
Head-Worst Case for Secondary supply															
Ant.4	DSI1	QPSK	Right Cheek	0	20600	844	1	Mid	-0.11	0.825	22.66	23.50	1.213	**1.001**	125#
Head-Worst Case for Three supply															
Ant.4	DSI1	QPSK	Right Cheek	0	20600	844	1	Mid	-0.09	0.843	22.66	23.50	1.213	**1.023**	126#

11.13 Worst Case for 25118PC98G of LTE 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 -Worst Case for 25118PC98G															
Ant.4	DSI1	QPSK	Right Cheek	0	20600	844	1	Mid	0.00	0.800	22.66	23.50	1.213	**0.970**	154#

11.14 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	Mid	0.01	0.242	18.34	19.50	1.306	0.316	/
	DSI1		Left Tilt	0	21100	2535	1	Mid	-0.08	0.325	18.34	19.50	1.306	0.424	/
	DSI1		Right Cheek	0	21100	2535	1	Mid	0.06	0.763	18.34	19.50	1.306	**0.996**	29#
	DSI1		Right Tilt	0	21100	2535	1	Mid	-0.03	0.738	18.34	19.50	1.306	0.964	/
	DSI1		Left Cheek	0	21350	2560	50	Mid	-0.09	0.239	18.46	19.50	1.271	0.304	/
	DSI1		Left Tilt	0	21350	2560	50	Mid	0.03	0.328	18.46	19.50	1.271	0.417	/
	DSI1		Right Cheek	0	21350	2560	50	Mid	-0.10	0.770	18.46	19.50	1.271	0.979	/
	DSI1		Right Tilt	0	21350	2560	50	Mid	-0.10	0.735	18.46	19.50	1.271	0.934	/
	DSI1		Right Cheek	0	20850	2510	1	Mid	0.08	0.749	18.34	19.50	1.306	0.978	/
	DSI1		Right Cheek	0	21350	2560	1	High	0.05	0.759	18.33	19.50	1.309	0.994	/
	DSI1		Right Cheek	0	20850	2510	50	Mid	-0.07	0.764	18.44	19.50	1.276	0.975	/
	DSI1		Right Cheek	0	21100	2535	50	Low	0.05	0.770	18.41	19.50	1.285	0.989	/
	DSI1		Right Cheek	0	21100	2535	100	Low	-0.01	0.761	18.42	19.50	1.282	0.976	/
Ant.3	DSI1	QPSK	Left Cheek	0	21100	2535	1	Mid	-0.04	0.191	20.83	21.50	1.167	0.223	/
	DSI1		Left Tilt	0	21100	2535	1	Mid	-0.05	0.041	20.83	21.50	1.167	0.048	/
	DSI1		Right Cheek	0	21100	2535	1	Mid	0.07	0.453	20.83	21.50	1.167	0.529	/
	DSI1		Right Tilt	0	21100	2535	1	Mid	0.03	0.068	20.83	21.50	1.167	0.079	/
	DSI1		Left Cheek	0	21100	2535	50	Mid	-0.09	0.189	20.90	21.50	1.148	0.217	/
	DSI1		Left Tilt	0	21100	2535	50	Mid	0.08	0.040	20.90	21.50	1.148	0.046	/
	DSI1		Right Cheek	0	21100	2535	50	Mid	-0.12	0.459	20.90	21.50	1.148	0.527	/
	DSI1		Right Tilt	0	21100	2535	50	Mid	0.09	0.068	20.90	21.50	1.148	0.078	/
Ant.1	DSI1	QPSK	Left Cheek	0	20850	2510	1	Mid	0.07	0.188	24.27	25.50	1.327	0.249	/
	DSI1		Left Tilt	0	20850	2510	1	Mid	0.11	0.078	24.27	25.50	1.327	0.104	/
	DSI1		Right Cheek	0	20850	2510	1	Mid	-0.14	0.102	24.27	25.50	1.327	0.135	/
	DSI1		Right Tilt	0	20850	2510	1	Mid	-0.01	0.050	24.27	25.50	1.327	0.066	/
	DSI1		Left Cheek	0	21100	2535	50	Mid	-0.01	0.151	23.26	24.50	1.330	0.201	/
	DSI1		Left Tilt	0	21100	2535	50	Mid	-0.12	0.062	23.26	24.50	1.330	0.082	/
	DSI1		Right Cheek	0	21100	2535	50	Mid	-0.14	0.085	23.26	24.50	1.330	0.113	/
	DSI1		Right Tilt	0	21100	2535	50	Mid	0.10	0.045	23.26	24.50	1.330	0.060	/
Head-CA															
Ant.4	DSI1	QPSK	Right Cheek	0	21100 +21298	2535 +2554.8	1+1	High +Low	0.03	0.702	18.04	19.50	1.400	0.983	/
Body-worn															
Ant.4	DSI4	QPSK	Front Side	15	20850	2510	1	Low	-0.07	0.198	24.07	25.50	1.390	0.275	/
	DSI3		Back Side	15	21350	2560	1	Mid	0.02	0.294	23.36	24.50	1.300	**0.382**	30#
	DSI4		Front Side	15	21350	2560	50	Mid	0.07	0.165	23.20	24.50	1.349	0.223	/

	DSI3		Back Side	15	21350	2560	50	High	0.12	0.245	23.16	24.50	1.361	0.333	/
Ant.3	DSI4	QPSK	Front Side	15	21100	2535	1	Mid	0.08	0.156	23.79	24.50	1.178	0.184	/
	DSI3		Back Side	15	21100	2535	1	Mid	0.09	0.059	17.28	18.00	1.180	0.070	/
	DSI4		Front Side	15	21100	2535	50	Mid	-0.03	0.132	22.84	23.50	1.164	0.154	/
	DSI3		Back Side	15	21100	2535	50	Mid	0.08	0.057	17.39	18.00	1.151	0.066	/
Ant.1	DSI4	QPSK	Front Side	15	20850	2510	1	Mid	-0.05	0.212	24.27	25.50	1.327	0.281	/
	DSI2		Back Side	15	21350	2560	1	Mid	-0.05	0.124	22.10	23.00	1.230	0.153	/
	DSI4		Front Side	15	21100	2535	50	Mid	-0.01	0.164	23.26	24.50	1.330	0.218	/
	DSI2		Back Side	15	21100	2535	50	Mid	-0.08	0.127	22.11	23.00	1.227	0.156	/
Body-worn-CA															
Ant.4	DSI3	QPSK	Back Side	15	21350 +21152	2560 +2540.2	1+1	Low +High	-0.02	0.271	23.05	24.50	1.396	0.378	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	21350	2560	1	Mid	-0.05	0.391	23.36	24.50	1.300	0.508	/
	DSI5		Back Side	10	21350	2560	1	Mid	-0.07	0.602	23.36	24.50	1.300	0.783	/
	DSI5		Left Edge	10	21350	2560	1	Mid	0.03	0.243	23.36	24.50	1.300	0.316	/
	DSI5		Top Edge	10	21350	2560	1	Mid	0.01	0.680	23.36	24.50	1.300	**0.884**	31#
	DSI5		Front Side	10	21350	2560	50	High	0.03	0.345	23.16	24.50	1.361	0.470	/
	DSI5		Back Side	10	21350	2560	50	High	0.06	0.549	23.16	24.50	1.361	0.747	/
	DSI5		Left Edge	10	21350	2560	50	High	0.10	0.246	23.16	24.50	1.361	0.335	/
	DSI5		Top Edge	10	21350	2560	50	High	0.04	0.649	23.16	24.50	1.361	0.883	/
	DSI5		Top Edge	10	20850	2510	1	Mid	0.02	0.651	23.24	24.50	1.337	0.870	/
	DSI5		Top Edge	10	21100	2535	1	Mid	-0.06	0.635	23.31	24.50	1.315	0.835	/
	DSI5		Top Edge	10	20850	2510	50	Mid	-0.10	0.638	23.10	24.50	1.380	0.880	/
	DSI5		Top Edge	10	21100	2535	50	Mid	0.00	0.632	23.15	24.50	1.365	0.863	/
	DSI5		Top Edge	10	21100	2535	100	Low	-0.07	0.642	23.14	24.50	1.368	0.878	/
Ant.3	DSI5	QPSK	Front Side	10	21100	2535	1	Mid	0.13	0.108	17.28	18.00	1.180	0.127	/
	DSI5		Back Side	10	21100	2535	1	Mid	0.09	0.151	17.28	18.00	1.180	0.178	/
	DSI5		Left Edge	10	21100	2535	1	Mid	0.11	0.228	17.28	18.00	1.180	0.269	/
	DSI5		Front Side	10	21100	2535	50	Mid	-0.15	0.106	17.39	18.00	1.151	0.122	/
	DSI5		Back Side	10	21100	2535	50	Mid	0.05	0.148	17.39	18.00	1.151	0.170	/
	DSI5		Left Edge	10	21100	2535	50	Mid	-0.04	0.230	17.39	18.00	1.151	0.265	/
Ant.1	DSI5	QPSK	Front Side	10	21100	2535	1	Mid	-0.15	0.229	20.58	21.50	1.236	0.283	/
	DSI5		Back Side	10	21100	2535	1	Mid	0.09	0.231	20.58	21.50	1.236	0.286	/
	DSI5		Left Edge	10	21100	2535	1	Mid	-0.02	0.081	20.58	21.50	1.236	0.100	/
	DSI5		Right Edge	10	21100	2535	1	Mid	-0.03	0.049	20.58	21.50	1.236	0.061	/
	DSI5		Bottom Edge	10	21100	2535	1	Mid	-0.05	0.345	20.58	21.50	1.236	0.426	/
	DSI5		Front Side	10	21100	2535	50	Mid	0.06	0.228	20.56	21.50	1.242	0.283	/
	DSI5		Back Side	10	21100	2535	50	Mid	0.09	0.235	20.56	21.50	1.242	0.292	/
	DSI5		Left Edge	10	21100	2535	50	Mid	0.02	0.079	20.56	21.50	1.242	0.098	/
	DSI5		Right Edge	10	21100	2535	50	Mid	-0.06	0.048	20.56	21.50	1.242	0.060	/
	DSI5		Bottom Edge	10	21100	2535	50	Mid	0.10	0.342	20.56	21.50	1.242	0.425	/
Hotspot-CA															

Ant.4	DSI5	QPSK	Top Edge	10	21350	2560 +2540.2	1+1	Low +High	0.01	0.624	23.05	24.50	1.396	0.871	/
Body (Sensor-1)															
Ant.4	DSI4	QPSK	Front Side	14	20850	2510	1	Low	-0.08	0.228	24.07	25.50	1.390	0.317	/
	DSI4		Back Side	16	20850	2510	1	Low	-0.04	0.292	24.07	25.50	1.390	0.406	/
	DSI4		Left Edge	11	20850	2510	1	Low	0.04	0.294	24.07	25.50	1.390	0.409	/
	DSI4		Top Edge	15	20850	2510	1	Low	-0.04	0.337	24.07	25.50	1.390	0.468	/
	DSI4		Front Side	14	21350	2560	50	Mid	0.05	0.179	23.20	24.50	1.349	0.241	/
	DSI4		Back Side	16	21350	2560	50	Mid	0.08	0.235	23.20	24.50	1.349	0.317	/
	DSI4		Left Edge	11	21350	2560	50	Mid	-0.01	0.234	23.20	24.50	1.349	0.316	/
	DSI4		Top Edge	15	21350	2560	50	Mid	0.02	0.265	23.20	24.50	1.349	0.357	/
Ant.3	DSI4	QPSK	Front Side	14	21100	2535	1	Mid	0.02	0.209	23.79	24.50	1.178	0.246	/
	DSI4		Back Side	16	21100	2535	1	Mid	0.05	0.194	23.79	24.50	1.178	0.229	/
	DSI4		Left Edge	11	21100	2535	1	Mid	-0.07	0.830	23.79	24.50	1.178	0.978	/
	DSI4		Top Edge	15	21100	2535	1	Mid	0.07	0.042	23.79	24.50	1.178	0.049	/
	DSI4		Front Side	14	21100	2535	50	Mid	-0.04	0.163	22.84	23.50	1.164	0.190	/
	DSI4		Back Side	16	21100	2535	50	Mid	-0.03	0.152	22.84	23.50	1.164	0.177	/
	DSI4		Left Edge	11	21100	2535	50	Mid	0.09	0.664	22.84	23.50	1.164	0.773	/
	DSI4		Top Edge	15	21100	2535	50	Mid	-0.10	0.031	22.84	23.50	1.164	0.036	/
	DSI4		Left Edge	11	20850	2510	1	Mid	-0.06	0.818	23.74	24.50	1.191	0.974	/
	DSI4		Left Edge	11	21350	2560	1	Low	0.07	0.803	23.75	24.50	1.189	0.955	/
	DSI4		Left Edge	11	21350	2560	100	Low	0.06	0.663	22.76	23.50	1.186	0.786	/
Ant.1	DSI4	QPSK	Front Side	9	20850	2510	1	Mid	-0.08	0.489	24.27	25.50	1.327	0.649	/
	DSI4		Back Side	16	20850	2510	1	Mid	-0.11	0.179	24.27	25.50	1.327	0.238	/
	DSI4		Bottom Edge	15	20850	2510	1	Mid	0.00	0.335	24.27	25.50	1.327	0.445	/
	DSI4		Front Side	9	21100	2535	50	Mid	-0.05	0.385	23.26	24.50	1.330	0.512	/
	DSI4		Back Side	16	21100	2535	50	Mid	0.00	0.142	23.26	24.50	1.330	0.189	/
	DSI4		Bottom Edge	15	21100	2535	50	Mid	0.04	0.265	23.26	24.50	1.330	0.352	/

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.3	DSI3	QPSK	Left Edge	0	21100	2535	1	Mid	-0.07	1.440	17.28	18.00	1.180	1.699	/
	DSI3		Left Edge	0	21100	2535	50	Mid	0.09	1.430	17.39	18.00	1.151	1.646	/
Ant.1	DSI2	QPSK	Bottom Edge	0	21100	2535	1	Mid	0.03	1.680	20.58	21.50	1.236	2.076	/
	DSI2		Bottom Edge	0	21100	2535	50	Mid	0.06	1.680	20.56	21.50	1.242	2.087	/
	DSI2		Bottom Edge	0	20850	2510	1	Mid	0.05	1.610	20.53	21.50	1.250	2.013	/
	DSI2		Bottom Edge	0	21350	2560	1	Mid	-0.04	1.740	20.57	21.50	1.239	**2.156**	32#
	DSI2		Bottom Edge	0	20850	2510	50	Mid	0.05	1.650	20.54	21.50	1.247	2.058	/
	DSI2		Bottom Edge	0	21350	2560	50	Mid	-0.15	1.710	20.52	21.50	1.253	2.143	/
	DSI2		Bottom Edge	0	20850	2510	100	Low	-0.09	1.690	20.55	21.50	1.245	2.104	/

Specific-CA															
Ant.1	DSI2	QPSK	Bottom Edge	0	21350	2560 +2540.2	1+1	Low +High	-0.09	1.620	20.33	21.50	1.309	2.121	/

11.15 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	Mid	-0.13	0.410	22.69	23.50	1.205	0.494	/
	DSI1		Left Tilt	0	23925	822.5	1	Mid	-0.14	0.384	22.69	23.50	1.205	0.463	/
	DSI1		Right Cheek	0	23925	822.5	1	Mid	-0.01	0.576	22.69	23.50	1.205	**0.694**	33#
	DSI1		Right Tilt	0	23925	822.5	1	Mid	-0.06	0.495	22.69	23.50	1.205	0.596	/
	DSI1		Left Cheek	0	23925	822.5	36	High	-0.12	0.439	22.75	23.50	1.189	0.522	/
	DSI1		Left Tilt	0	23925	822.5	36	High	-0.14	0.423	22.75	23.50	1.189	0.503	/
	DSI1		Right Cheek	0	23925	822.5	36	High	-0.12	0.582	22.75	23.50	1.189	0.692	/
	DSI1		Right Tilt	0	23925	822.5	36	High	-0.04	0.503	22.75	23.50	1.189	0.598	/
Ant.0	DSI1	QPSK	Left Cheek	0	23925	822.5	1	Mid	-0.04	0.093	24.15	25.50	1.365	0.127	/
	DSI1		Left Tilt	0	23925	822.5	1	Mid	-0.05	0.050	24.15	25.50	1.365	0.068	/
	DSI1		Right Cheek	0	23925	822.5	1	Mid	0.01	0.109	24.15	25.50	1.365	0.149	/
	DSI1		Right Tilt	0	23925	822.5	1	Mid	0.12	0.060	24.15	25.50	1.365	0.082	/
	DSI1		Left Cheek	0	23925	822.5	36	High	0.04	0.082	23.19	24.50	1.352	0.111	/
	DSI1		Left Tilt	0	23925	822.5	36	High	0.05	0.045	23.19	24.50	1.352	0.061	/
	DSI1		Right Cheek	0	23925	822.5	36	High	-0.15	0.095	23.19	24.50	1.352	0.128	/
	DSI1		Right Tilt	0	23925	822.5	36	High	-0.04	0.052	23.19	24.50	1.352	0.070	/
Body-worn															
Ant.4	DSI4	QPSK	Front Side	15	23925	822.5	1	Mid	0.07	0.078	24.39	25.50	1.291	0.101	/
	DSI3		Back Side	15	23925	822.5	1	Mid	0.11	0.088	24.39	25.50	1.291	0.114	/
	DSI4		Front Side	15	23925	822.5	36	High	0.06	0.065	23.44	24.50	1.276	0.083	/
	DSI3		Back Side	15	23925	822.5	36	High	0.07	0.076	23.44	24.50	1.276	0.097	/
Ant.0	DSI4	QPSK	Front Side	15	23925	822.5	1	Mid	-0.06	0.119	24.15	25.50	1.365	0.162	/
	DSI2		Back Side	15	23925	822.5	1	Mid	-0.08	0.141	24.15	25.50	1.365	**0.192**	34#
	DSI4		Front Side	15	23925	822.5	36	High	-0.04	0.098	23.19	24.50	1.352	0.132	/
	DSI2		Back Side	15	23925	822.5	36	High	-0.03	0.114	23.19	24.50	1.352	0.154	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	23925	822.5	1	Mid	0.04	0.103	24.39	25.50	1.291	0.133	/
	DSI5		Back Side	10	23925	822.5	1	Mid	0.03	0.133	24.39	25.50	1.291	**0.172**	35#
	DSI5		Left Edge	10	23925	822.5	1	Mid	-0.09	0.039	24.39	25.50	1.291	0.050	/
	DSI5		Top Edge	10	23925	822.5	1	Mid	0.04	0.107	24.39	25.50	1.291	0.138	/
	DSI5		Front Side	10	23925	822.5	36	High	-0.03	0.087	23.44	24.50	1.276	0.111	/
	DSI5		Back Side	10	23925	822.5	36	High	0.01	0.101	23.44	24.50	1.276	0.129	/
	DSI5		Left Edge	10	23925	822.5	36	High	-0.15	0.030	23.44	24.50	1.276	0.038	/
	DSI5		Top Edge	10	23925	822.5	36	High	0.06	0.092	23.44	24.50	1.276	0.117	/
Ant.0	DSI5	QPSK	Front Side	10	23925	822.5	1	Mid	0.11	0.085	24.15	25.50	1.365	0.116	/
	DSI5		Back Side	10	23925	822.5	1	Mid	-0.11	0.124	24.15	25.50	1.365	0.169	/

	DSI5		Left Edge	10	23925	822.5	1	Mid	-0.15	0.039	24.15	25.50	1.365	0.053	/
	DSI5		Right Edge	10	23925	822.5	1	Mid	-0.10	0.109	24.15	25.50	1.365	0.149	/
	DSI5		Bottom Edge	10	23925	822.5	1	Mid	0.13	0.097	24.15	25.50	1.365	0.132	/
	DSI5		Front Side	10	23925	822.5	36	High	-0.05	0.074	23.19	24.50	1.352	0.100	/
	DSI5		Back Side	10	23925	822.5	36	High	-0.02	0.108	23.19	24.50	1.352	0.146	/
	DSI5		Left Edge	10	23925	822.5	36	High	-0.09	0.090	23.19	24.50	1.352	0.122	/
	DSI5		Right Edge	10	23925	822.5	36	High	-0.15	0.031	23.19	24.50	1.352	0.042	/
	DSI5		Bottom Edge	10	23925	822.5	36	High	0.05	0.081	23.19	24.50	1.352	0.110	/

11.16 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	Low	-0.06	0.500	22.57	23.50	1.239	0.620	/
	DSI1		Left Tilt	0	24075	837.5	1	Low	0.07	0.412	22.57	23.50	1.239	0.510	/
	DSI1		Right Cheek	0	24075	837.5	1	Low	0.05	0.693	22.57	23.50	1.239	**0.859**	36#
	DSI1		Right Tilt	0	24075	837.5	1	Low	-0.01	0.634	22.57	23.50	1.239	0.786	/
	DSI1		Left Cheek	0	24075	837.5	36	High	0.05	0.527	22.72	23.50	1.197	0.631	/
	DSI1		Left Tilt	0	24075	837.5	36	High	0.09	0.508	22.72	23.50	1.197	0.608	/
	DSI1		Right Cheek	0	24075	837.5	36	High	0.08	0.713	22.72	23.50	1.197	0.853	/
	DSI1		Right Tilt	0	24075	837.5	36	High	0.03	0.639	22.72	23.50	1.197	0.765	/
	DSI1		Right Cheek	0	24075	837.5	75	Low	0.03	0.680	22.68	23.50	1.208	0.821	/
Ant.0	DSI1	QPSK	Left Cheek	0	24075	837.5	1	Mid	-0.15	0.126	24.20	25.50	1.349	0.170	/
	DSI1		Left Tilt	0	24075	837.5	1	Mid	-0.12	0.065	24.20	25.50	1.349	0.088	/
	DSI1		Right Cheek	0	24075	837.5	1	Mid	-0.07	0.147	24.20	25.50	1.349	0.198	/
	DSI1		Right Tilt	0	24075	837.5	1	Mid	0.09	0.082	24.20	25.50	1.349	0.111	/
	DSI1		Left Cheek	0	24075	837.5	36	High	-0.01	0.104	23.13	24.50	1.371	0.143	/
	DSI1		Left Tilt	0	24075	837.5	36	High	0.02	0.052	23.13	24.50	1.371	0.071	/
	DSI1		Right Cheek	0	24075	837.5	36	High	0.12	0.124	23.13	24.50	1.371	0.170	/
	DSI1		Right Tilt	0	24075	837.5	36	High	0.00	0.069	23.13	24.50	1.371	0.095	/
Body-worn															
Ant.4	DSI4	QPSK	Front Side	15	24075	837.5	1	Mid	-0.13	0.095	24.29	25.50	1.321	0.125	/
	DSI3		Back Side	15	24075	837.5	1	Mid	-0.12	0.117	24.29	25.50	1.321	0.155	/
	DSI4		Front Side	15	24075	837.5	36	High	-0.03	0.084	23.43	24.50	1.279	0.107	/
	DSI3		Back Side	15	24075	837.5	36	High	-0.12	0.102	23.43	24.50	1.279	0.130	/
Ant.0	DSI4	QPSK	Front Side	15	24075	837.5	1	Mid	0.00	0.140	24.20	25.50	1.349	0.189	/
	DSI2		Back Side	15	24075	837.5	1	Mid	-0.02	0.165	24.20	25.50	1.349	**0.223**	37#
	DSI4		Front Side	15	24075	837.5	36	High	0.00	0.121	23.13	24.50	1.371	0.166	/
	DSI2		Back Side	15	24075	837.5	36	High	-0.09	0.142	23.13	24.50	1.371	0.195	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	24075	837.5	1	Mid	-0.07	0.123	24.29	25.50	1.321	0.162	/
	DSI5		Back Side	10	24075	837.5	1	Mid	-0.06	0.188	24.29	25.50	1.321	**0.248**	38#
	DSI5		Left Edge	10	24075	837.5	1	Mid	-0.12	0.031	24.29	25.50	1.321	0.041	/
	DSI5		Top Edge	10	24075	837.5	1	Mid	-0.04	0.107	24.29	25.50	1.321	0.141	/
	DSI5		Front Side	10	24075	837.5	36	High	-0.14	0.097	23.43	24.50	1.279	0.124	/
	DSI5		Back Side	10	24075	837.5	36	High	-0.07	0.142	23.43	24.50	1.279	0.182	/
	DSI5		Left Edge	10	24075	837.5	36	High	-0.01	0.026	23.43	24.50	1.279	0.033	/
	DSI5		Top Edge	10	24075	837.5	36	High	0.12	0.089	23.43	24.50	1.279	0.114	/
Ant.0	DSI5	QPSK	Front Side	10	24075	837.5	1	Mid	0.04	0.118	24.20	25.50	1.349	0.159	/

	DSI5		Back Side	10	24075	837.5	1	Mid	0.04	0.176	24.20	25.50	1.349	0.237	/
	DSI5		Left Edge	10	24075	837.5	1	Mid	-0.02	0.048	24.20	25.50	1.349	0.065	/
	DSI5		Right Edge	10	24075	837.5	1	Mid	0.03	0.132	24.20	25.50	1.349	0.178	/
	DSI5		Bottom Edge	10	24075	837.5	1	Mid	-0.10	0.135	24.20	25.50	1.349	0.182	/
	DSI5		Front Side	10	24075	837.5	36	High	-0.03	0.102	23.13	24.50	1.371	0.140	/
	DSI5		Back Side	10	24075	837.5	36	High	-0.09	0.153	23.13	24.50	1.371	0.210	/
	DSI5		Left Edge	10	24075	837.5	36	High	-0.12	0.116	23.13	24.50	1.371	0.159	/
	DSI5		Right Edge	10	24075	837.5	36	High	-0.07	0.043	23.13	24.50	1.371	0.059	/
	DSI5		Bottom Edge	10	24075	837.5	36	High	0.04	0.106	23.13	24.50	1.371	0.145	/

11.17 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	DSI1	QPSK	Left Cheek	0	26865	831.5	1	Mid	-0.09	0.377	22.43	23.50	1.279	0.482	/
	DSI1		Left Tilt	0	26865	831.5	1	Mid	0.09	0.381	22.43	23.50	1.279	0.487	/
	DSI1		Right Cheek	0	26865	831.5	1	Mid	0.03	0.622	22.43	23.50	1.279	**0.796**	39#
	DSI1		Right Tilt	0	26865	831.5	1	Mid	-0.13	0.540	22.43	23.50	1.279	0.691	/
	DSI1		Left Cheek	0	26765	821.5	36	High	0.11	0.590	22.54	23.50	1.247	0.736	/
	DSI1		Left Tilt	0	26765	821.5	36	High	-0.15	0.438	22.54	23.50	1.247	0.546	/
	DSI1		Right Cheek	0	26765	821.5	36	High	-0.10	0.531	22.54	23.50	1.247	0.662	/
Ant.0	DSI1	QPSK	Left Cheek	0	26965	841.5	1	Low	0.06	0.112	24.08	25.50	1.387	0.155	/
	DSI1		Left Tilt	0	26965	841.5	1	Low	-0.01	0.061	24.08	25.50	1.387	0.085	/
	DSI1		Right Cheek	0	26965	841.5	1	Low	-0.07	0.133	24.08	25.50	1.387	0.184	/
	DSI1		Right Tilt	0	26965	841.5	1	Low	0.13	0.076	24.08	25.50	1.387	0.105	/
	DSI1		Left Cheek	0	26765	821.5	36	High	-0.01	0.095	23.11	24.50	1.377	0.131	/
	DSI1		Left Tilt	0	26765	821.5	36	High	0.07	0.052	23.11	24.50	1.377	0.072	/
	DSI1		Right Cheek	0	26765	821.5	36	High	-0.14	0.115	23.11	24.50	1.377	0.158	/
	DSI1		Right Tilt	0	26765	821.5	36	High	-0.12	0.062	23.11	24.50	1.377	0.085	/
Body-worn															
Ant.4	DSI4	QPSK	Front Side	15	26965	841.5	1	Low	0.02	0.088	24.13	25.50	1.371	0.121	/
	DSI3		Back Side	15	26965	841.5	1	Low	-0.15	0.107	24.13	25.50	1.371	0.147	/
	DSI4		Front Side	15	26765	821.5	36	High	-0.02	0.075	23.23	24.50	1.340	0.101	/
	DSI3		Back Side	15	26765	821.5	36	High	0.02	0.090	23.23	24.50	1.340	0.121	/
Ant.0	DSI4	QPSK	Front Side	15	26965	841.5	1	Low	0.03	0.109	24.08	25.50	1.387	0.151	/
	DSI2		Back Side	15	26965	841.5	1	Low	-0.02	0.166	24.08	25.50	1.387	**0.230**	40#
	DSI4		Front Side	15	26765	821.5	36	High	0.06	0.089	23.11	24.50	1.377	0.123	/
	DSI2		Back Side	15	26765	821.5	36	High	0.00	0.139	23.11	24.50	1.377	0.191	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	26965	841.5	1	Low	0.09	0.134	24.13	25.50	1.371	0.184	/

	DSI5		Back Side	10	26965	841.5	1	Low	-0.02	0.195	24.13	25.50	1.371	**0.267**	41#
	DSI5		Left Edge	10	26965	841.5	1	Low	0.07	0.053	24.13	25.50	1.371	0.073	/
	DSI5		Top Edge	10	26965	841.5	1	Low	0.05	0.119	24.13	25.50	1.371	0.163	/
	DSI5		Front Side	10	26765	821.5	36	High	-0.07	0.119	23.23	24.50	1.340	0.159	/
	DSI5		Back Side	10	26765	821.5	36	High	-0.13	0.169	23.23	24.50	1.340	0.226	/
	DSI5		Left Edge	10	26765	821.5	36	High	0.07	0.043	23.23	24.50	1.340	0.058	/
	DSI5		Top Edge	10	26765	821.5	36	High	-0.12	0.100	23.23	24.50	1.340	0.134	/
Ant.0	DSI5	QPSK	Front Side	10	26865	831.5	1	Low	0.03	0.119	24.08	25.50	1.387	0.165	/
	DSI5		Back Side	10	26865	831.5	1	Low	-0.12	0.183	24.08	25.50	1.387	0.254	/
	DSI5		Left Edge	10	26865	831.5	1	Low	-0.05	0.050	24.08	25.50	1.387	0.069	/
	DSI5		Right Edge	10	26865	831.5	1	Low	-0.04	0.140	24.08	25.50	1.387	0.194	/
	DSI5		Bottom Edge	10	26865	831.5	1	Low	0.05	0.128	24.08	25.50	1.387	0.178	/
	DSI5		Front Side	10	26865	831.5	36	Low	-0.06	0.099	23.11	24.50	1.377	0.136	/
	DSI5		Back Side	10	26865	831.5	36	Low	-0.12	0.150	23.11	24.50	1.377	0.207	/
	DSI5		Left Edge	10	26865	831.5	36	Low	0.07	0.042	23.11	24.50	1.377	0.058	/
	DSI5		Right Edge	10	26865	831.5	36	Low	0.11	0.111	23.11	24.50	1.377	0.153	/
	DSI5		Bottom Edge	10	26865	831.5	36	Low	0.00	0.108	23.11	24.50	1.377	0.149	/

11.18 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	0.08	0.531	17.52	18.50	1.253	0.665	/
	DSI1		Left Tilt	0	132322	1745	1	High	-0.01	0.594	17.52	18.50	1.253	0.744	/
	DSI1		Right Cheek	0	132322	1745	1	High	0.00	0.709	17.52	18.50	1.253	0.888	/
	DSI1		Right Tilt	0	132322	1745	1	High	0.09	0.818	17.52	18.50	1.253	1.025	/
	DSI1		Left Cheek	0	132572	1770	50	Mid	-0.07	0.539	17.59	18.50	1.233	0.665	/
	DSI1		Left Tilt	0	132572	1770	50	Mid	0.07	0.586	17.59	18.50	1.233	0.723	/
	DSI1		Right Cheek	0	132572	1770	50	Mid	0.01	0.705	17.59	18.50	1.233	0.869	/
	DSI1		Right Tilt	0	132572	1770	50	Mid	0.11	0.835	17.59	18.50	1.233	1.030	/
	DSI1		Right Cheek	0	132072	1720	1	High	-0.05	0.678	17.50	18.50	1.259	0.854	/
	DSI1		Right Cheek	0	132572	1770	1	High	0.02	0.706	17.42	18.50	1.282	0.905	/
	DSI1		Right Cheek	0	132072	1720	50	Mid	0.12	0.672	17.53	18.50	1.250	0.840	/
	DSI1		Right Cheek	0	132322	1745	50	Mid	-0.06	0.689	17.45	18.50	1.274	0.878	/
	DSI1		Right Cheek	0	132322	1745	100	Low	0.05	0.685	17.56	18.50	1.242	0.851	/
	DSI1		Right Tilt	0	132072	1720	1	High	-0.14	0.802	17.50	18.50	1.259	1.010	/
	DSI1		Right Tilt	0	132572	1770	1	High	-0.06	0.832	17.42	18.50	1.282	**1.067**	42#
	DSI1		Right Tilt	0	132072	1720	50	Mid	0.07	0.795	17.53	18.50	1.250	0.994	/
	DSI1		Right Tilt	0	132322	1745	50	Mid	-0.04	0.814	17.45	18.50	1.274	1.037	/
	DSI1		Right Tilt	0	132322	1745	100	Low	0.06	0.811	17.56	18.50	1.242	1.007	/
Ant.3	DSI1	QPSK	Left Cheek	0	132072	1720	1	High	0.12	0.161	17.99	19.00	1.262	0.203	/
	DSI1		Left Tilt	0	132072	1720	1	High	0.13	0.054	17.99	19.00	1.262	0.068	/
	DSI1		Right Cheek	0	132072	1720	1	High	-0.07	0.382	17.99	19.00	1.262	0.482	/
	DSI1		Right Tilt	0	132072	1720	1	High	0.04	0.078	17.99	19.00	1.262	0.098	/
	DSI1		Left Cheek	0	132322	1745	50	High	-0.10	0.158	18.10	19.00	1.230	0.194	/
	DSI1		Left Tilt	0	132322	1745	50	High	0.12	0.051	18.10	19.00	1.230	0.063	/
	DSI1		Right Cheek	0	132322	1745	50	High	0.07	0.374	18.10	19.00	1.230	0.460	/
	DSI1		Right Tilt	0	132322	1745	50	High	0.06	0.076	18.10	19.00	1.230	0.093	/
Ant.1	DSI1	QPSK	Left Cheek	0	132322	1745	1	High	0.02	0.113	24.49	25.50	1.262	0.143	/
	DSI1		Left Tilt	0	132322	1745	1	High	-0.04	0.060	24.49	25.50	1.262	0.076	/
	DSI1		Right Cheek	0	132322	1745	1	High	0.08	0.121	24.49	25.50	1.262	0.153	/
	DSI1		Right Tilt	0	132322	1745	1	High	-0.03	0.059	24.49	25.50	1.262	0.074	/
	DSI1		Left Cheek	0	132322	1745	50	Mid	0.05	0.089	23.51	24.50	1.256	0.112	/
	DSI1		Left Tilt	0	132322	1745	50	Mid	-0.11	0.048	23.51	24.50	1.256	0.060	/
	DSI1		Right Cheek	0	132322	1745	50	Mid	0.13	0.094	23.51	24.50	1.256	0.118	/
	DSI1		Right Tilt	0	132322	1745	50	Mid	0.10	0.046	23.51	24.50	1.256	0.058	/
Body-worn															
Ant.4	DSI4	QPSK	Front Side	15	132572	1770	1	Mid	-0.01	0.191	23.81	25.50	1.476	0.282	/

	DSI3		Back Side	15	132572	1770	1	High	0.00	0.086	19.17	20.50	1.358	0.117	/
	DSI4		Front Side	15	132572	1770	50	High	-0.03	0.167	22.88	24.50	1.452	0.242	/
	DSI3		Back Side	15	132572	1770	50	Mid	-0.04	0.088	19.24	20.50	1.337	0.118	/
Ant.3	DSI4	QPSK	Front Side	15	132572	1770	1	Mid	0.05	0.184	23.48	24.50	1.265	0.233	/
	DSI3		Back Side	15	132572	1770	1	Mid	-0.05	0.152	21.00	22.00	1.259	0.191	/
	DSI4		Front Side	15	132322	1745	50	High	-0.09	0.146	22.55	23.50	1.245	0.182	/
	DSI3		Back Side	15	132072	1720	50	Mid	0.00	0.150	21.06	22.00	1.242	0.186	/
Ant.1	DSI4	QPSK	Front Side	15	132322	1745	1	High	-0.01	0.228	24.49	25.50	1.262	**0.288**	43#
	DSI2		Back Side	15	132572	1770	1	Mid	-0.05	0.123	21.09	22.00	1.233	0.152	/
	DSI4		Front Side	15	132322	1745	50	Mid	-0.09	0.188	23.51	24.50	1.256	0.236	/
	DSI2		Back Side	15	132072	1720	50	High	-0.07	0.126	21.17	22.00	1.211	0.153	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	132572	1770	1	High	-0.03	0.208	19.17	20.50	1.358	0.282	/
	DSI5		Back Side	10	132572	1770	1	High	-0.07	0.245	19.17	20.50	1.358	0.333	/
	DSI5		Left Edge	10	132572	1770	1	High	-0.15	0.064	19.17	20.50	1.358	0.087	/
	DSI5		Top Edge	10	132572	1770	1	High	0.02	0.392	19.17	20.50	1.358	0.532	/
	DSI5		Front Side	10	132572	1770	50	Mid	-0.12	0.210	19.24	20.50	1.337	0.281	/
	DSI5		Back Side	10	132572	1770	50	Mid	-0.09	0.258	19.24	20.50	1.337	0.345	/
	DSI5		Left Edge	10	132572	1770	50	Mid	0.06	0.062	19.24	20.50	1.337	0.083	/
	DSI5		Top Edge	10	132572	1770	50	Mid	0.00	0.398	19.24	20.50	1.337	0.532	/
Ant.3	DSI5	QPSK	Front Side	10	132572	1770	1	Mid	-0.15	0.189	21.00	22.00	1.259	0.238	/
	DSI5		Back Side	10	132572	1770	1	Mid	-0.12	0.298	21.00	22.00	1.259	0.375	/
	DSI5		Left Edge	10	132572	1770	1	Mid	-0.04	0.380	21.00	22.00	1.259	0.478	/
	DSI5		Front Side	10	132072	1720	50	Mid	-0.06	0.183	21.06	22.00	1.242	0.227	/
	DSI5		Back Side	10	132072	1720	50	Mid	-0.10	0.375	21.06	22.00	1.242	0.466	/
	DSI5		Left Edge	10	132072	1720	50	Mid	0.09	0.181	21.06	22.00	1.242	0.225	/
Ant.1	DSI5	QPSK	Front Side	10	132572	1770	1	Mid	-0.06	0.262	21.09	22.00	1.233	0.323	/
	DSI5		Back Side	10	132572	1770	1	Mid	0.13	0.299	21.09	22.00	1.233	0.369	/
	DSI5		Left Edge	10	132572	1770	1	Mid	-0.15	0.080	21.09	22.00	1.233	0.099	/
	DSI5		Right Edge	10	132572	1770	1	Mid	0.12	0.038	21.09	22.00	1.233	0.047	/
	DSI5		Bottom Edge	10	132572	1770	1	Mid	0.02	0.473	21.09	22.00	1.233	**0.583**	44#
	DSI5		Front Side	10	132072	1720	50	High	-0.11	0.254	21.17	22.00	1.211	0.308	/
	DSI5		Back Side	10	132072	1720	50	High	0.12	0.276	21.17	22.00	1.211	0.334	/
	DSI5		Left Edge	10	132072	1720	50	High	0.07	0.073	21.17	22.00	1.211	0.088	/
	DSI5		Right Edge	10	132072	1720	50	High	0.04	0.037	21.17	22.00	1.211	0.045	/
	DSI5		Bottom Edge	10	132072	1720	50	High	-0.12	0.462	21.17	22.00	1.211	0.559	/
Body (Sensor-1)															
Ant.4	DSI4	QPSK	Front Side	14	132572	1770	1	Mid	0.10	0.211	23.81	25.50	1.476	0.311	/
	DSI4		Back Side	16	132572	1770	1	Mid	-0.05	0.260	23.81	25.50	1.476	0.384	/
	DSI4		Left Edge	11	132572	1770	1	Mid	0.10	0.153	23.81	25.50	1.476	0.226	/
	DSI4		Top Edge	15	132572	1770	1	Mid	-0.08	0.424	23.81	25.50	1.476	0.626	/
	DSI4		Front Side	14	132572	1770	50	High	-0.10	0.169	22.88	24.50	1.452	0.245	/
	DSI4		Back Side	16	132572	1770	50	High	0.02	0.203	22.88	24.50	1.452	0.295	/

	DSI4		Left Edge	11	132572	1770	50	High	-0.05	0.125	22.88	24.50	1.452	0.182	/
	DSI4		Top Edge	15	132572	1770	50	High	-0.08	0.341	22.88	24.50	1.452	0.495	/
Ant.3	DSI4	QPSK	Front Side	14	132572	1770	1	Mid	0.01	0.193	23.48	24.50	1.265	0.244	/
	DSI4		Back Side	16	132572	1770	1	Mid	0.03	0.186	23.48	24.50	1.265	0.235	/
	DSI4		Left Edge	11	132572	1770	1	Mid	0.02	0.628	23.48	24.50	1.265	0.794	/
	DSI4		Top Edge	15	132572	1770	1	Mid	-0.02	0.042	23.48	24.50	1.265	0.053	/
	DSI4		Front Side	14	132322	1745	50	High	0.00	0.156	22.55	23.50	1.245	0.194	/
	DSI4		Back Side	16	132322	1745	50	High	0.10	0.149	22.55	23.50	1.245	0.186	/
	DSI4		Left Edge	11	132322	1745	50	High	0.07	0.498	22.55	23.50	1.245	0.620	/
	DSI4		Top Edge	15	132322	1745	50	High	0.09	0.034	22.55	23.50	1.245	0.042	/
Ant.1	DSI4	QPSK	Front Side	9	132322	1745	1	High	0.07	0.578	24.49	25.50	1.262	0.729	/
	DSI4		Back Side	16	132322	1745	1	High	0.04	0.241	24.49	25.50	1.262	0.304	/
	DSI4		Bottom Edge	15	132322	1745	1	High	0.08	0.465	24.49	25.50	1.262	0.587	/
	DSI4		Front Side	9	132322	1745	50	Mid	0.04	0.463	23.51	24.50	1.256	0.582	/
	DSI4		Back Side	16	132322	1745	50	Mid	0.10	0.192	23.51	24.50	1.256	0.241	/
	DSI4		Bottom Edge	15	132322	1745	50	Mid	0.01	0.366	23.51	24.50	1.256	0.460	/

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	132572	1770	1	High	0.04	1.480	19.17	20.50	1.358	2.010	/
	DSI3		Top Edge	0	132572	1770	50	Mid	-0.09	1.500	19.24	20.50	1.337	2.006	/
	DSI3		Top Edge	0	132072	1720	1	High	0.09	1.500	19.05	20.50	1.396	2.094	/
	DSI3		Top Edge	0	132322	1745	1	High	0.07	1.490	19.09	20.50	1.384	2.062	/
	DSI3		Top Edge	0	132072	1720	50	High	-0.09	1.510	19.03	20.50	1.403	**2.119**	45#
	DSI3		Top Edge	0	132322	1745	50	High	0.12	1.480	19.18	20.50	1.355	2.005	/
	DSI3		Top Edge	0	132572	1770	100	Low	-0.10	1.470	19.21	20.50	1.346	1.979	/
Ant.1	DSI2	QPSK	Bottom Edge	0	132572	1770	1	Mid	-0.09	1.510	21.09	22.00	1.233	1.862	/
	DSI2		Bottom Edge	0	132072	1720	50	High	0.01	1.490	21.17	22.00	1.211	1.804	/

11.19 Worst Case for 25118PC98G of 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-Worst Case for 25118PC98G															
Ant.4	DSI1	QPSK	Right Tilt	0	132572	1770	1	High	0.02	0.717	17.42	18.50	1.282	**0.919**	146#
Body-worn-Worst Case for 25118PC98G															
Ant.1	DSI4	QPSK	Front Side	15	132322	1745	1	High	0.01	0.250	24.49	25.50	1.262	**0.316**	147#
Hotspot-Worst Case for 25118PC98G															
Ant.1	DSI5	QPSK	Bottom Edge	10	132572	1770	1	Mid	0.03	0.482	21.09	22.00	1.233	**0.594**	148#

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-Worst Case for 25118PC98G															
Ant.4	DSI3	QPSK	Top Edge	0	132072	1720	50	High	0.08	1.430	19.03	20.50	1.403	**2.006**	149#

11.20 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	DSI1	QPSK	Left Cheek	0	133297	680.5	1	High	-0.02	0.634	24.51	25.50	1.256	0.796	/
	DSI1		Left Tilt	0	133297	680.5	1	High	-0.13	0.501	24.51	25.50	1.256	0.629	/
	DSI1		Right Cheek	0	133297	680.5	1	High	-0.07	0.745	24.51	25.50	1.256	0.936	/
	DSI1		Right Tilt	0	133297	680.5	1	High	0.10	0.702	24.51	25.50	1.256	0.882	/
	DSI1		Left Cheek	0	133297	680.5	50	High	0.10	0.501	23.45	24.50	1.274	0.638	/
	DSI1		Left Tilt	0	133297	680.5	50	High	-0.09	0.395	23.45	24.50	1.274	0.503	/
	DSI1		Right Cheek	0	133297	680.5	50	High	0.14	0.574	23.45	24.50	1.274	0.731	/
	DSI1		Right Tilt	0	133297	680.5	50	High	-0.06	0.553	23.45	24.50	1.274	0.705	/
	DSI1		Right Cheek	0	133222	673	1	High	0.04	0.727	24.39	25.50	1.291	**0.939**	136#
	DSI1		Right Cheek	0	133372	688	1	High	-0.05	0.698	24.42	25.50	1.282	0.895	/
	DSI1		Right Cheek	0	133372	688	100	Low	0.05	0.570	23.36	24.50	1.300	0.741	/
	DSI1		Right Tilt	0	133222	673	1	High	-0.07	0.682	24.39	25.50	1.291	0.880	/
	DSI1		Right Tilt	0	133372	688	1	High	-0.12	0.639	24.42	25.50	1.282	0.819	/
	DSI1		Right Tilt	0	133372	688	100	Low	0.10	0.510	23.36	24.50	1.300	0.663	/
Ant.0	DSI1	QPSK	Left Cheek	0	133222	673	1	Mid	0.10	0.126	24.21	25.50	1.346	0.170	/
	DSI1		Left Tilt	0	133222	673	1	Mid	0.05	0.057	24.21	25.50	1.346	0.077	/
	DSI1		Right Cheek	0	133222	673	1	Mid	-0.10	0.145	24.21	25.50	1.346	0.195	/
	DSI1		Right Tilt	0	133222	673	1	Mid	-0.08	0.073	24.21	25.50	1.346	0.098	/
	DSI1		Left Cheek	0	133222	673	50	Mid	0.14	0.103	23.18	24.50	1.355	0.140	/
	DSI1		Left Tilt	0	133222	673	50	Mid	-0.06	0.042	23.18	24.50	1.355	0.057	/
	DSI1		Right Cheek	0	133222	673	50	Mid	-0.14	0.121	23.18	24.50	1.355	0.164	/
	DSI1		Right Tilt	0	133222	673	50	Mid	0.05	0.053	23.18	24.50	1.355	0.072	/
Body-worn															
Ant.4	DSI4	QPSK	Front Side	15	133297	680.5	1	High	-0.05	0.055	24.51	25.50	1.256	0.069	/
	DSI4		Back Side	15	133297	680.5	1	High	0.13	0.068	24.51	25.50	1.256	0.085	/
	DSI3		Front Side	15	133297	680.5	50	High	-0.05	0.046	23.45	24.50	1.274	0.059	/
	DSI3		Back Side	15	133297	680.5	50	High	0.15	0.056	23.45	24.50	1.274	0.071	/
Ant.0	DSI4	QPSK	Front Side	15	133222	673	1	Mid	-0.03	0.074	24.21	25.50	1.346	0.100	/
	DSI4		Back Side	15	133222	673	1	Mid	0.04	0.086	24.21	25.50	1.346	**0.116**	137#
	DSI3		Front Side	15	133222	673	50	Mid	-0.02	0.057	23.18	24.50	1.355	0.077	/
	DSI3		Back Side	15	133222	673	50	Mid	0.01	0.070	23.18	24.50	1.355	0.095	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	133297	680.5	1	High	0.06	0.084	24.51	25.50	1.256	0.106	/
	DSI5		Back Side	10	133297	680.5	1	High	0.06	0.113	24.51	25.50	1.256	0.142	/
	DSI5		Left Edge	10	133297	680.5	1	High	0.05	0.072	24.51	25.50	1.256	0.090	/
	DSI5		Top Edge	10	133297	680.5	1	High	-0.08	0.068	24.51	25.50	1.256	0.085	/

	DSI5		Front Side	10	133297	680.5	50	High	-0.11	0.065	23.45	24.50	1.274	0.083	/
	DSI5		Back Side	10	133297	680.5	50	High	0.06	0.087	23.45	24.50	1.274	0.111	/
	DSI5		Left Edge	10	133297	680.5	50	High	-0.08	0.056	23.45	24.50	1.274	0.071	/
	DSI5		Top Edge	10	133297	680.5	50	High	-0.03	0.053	23.45	24.50	1.274	0.068	/
Ant.0	DSI5	QPSK	Front Side	10	133222	673	1	Mid	0.01	0.085	24.21	25.50	1.346	0.114	/
	DSI5		Back Side	10	133222	673	1	Mid	-0.01	0.109	24.21	25.50	1.346	0.147	/
	DSI5		Left Edge	10	133222	673	1	Mid	-0.12	0.041	24.21	25.50	1.346	0.055	/
	DSI5		Right Edge	10	133222	673	1	Mid	-0.06	0.114	24.21	25.50	1.346	**0.153**	138#
	DSI5		Bottom Edge	10	133222	673	1	Mid	0.03	0.113	24.21	25.50	1.346	0.152	/
	DSI5		Front Side	10	133222	673	50	Mid	-0.02	0.062	23.18	24.50	1.355	0.084	/
	DSI5		Back Side	10	133222	673	50	Mid	0.14	0.083	23.18	24.50	1.355	0.112	/
	DSI5		Left Edge	10	133222	673	50	Mid	-0.07	0.034	23.18	24.50	1.355	0.046	/
	DSI5		Right Edge	10	133222	673	50	Mid	-0.10	0.091	23.18	24.50	1.355	0.123	/
	DSI5		Bottom Edge	10	133222	673	50	Mid	-0.05	0.094	23.18	24.50	1.355	0.127	/

11.21 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	38150	2610	1	Mid	0.08	0.235	22.44	23.00	1.138	0.267	/
	DSI1		Left Tilt	0	38150	2610	1	Mid	0.04	0.314	22.44	23.00	1.138	0.357	/
	DSI1		Right Cheek	0	38150	2610	1	Mid	0.07	0.798	22.44	23.00	1.138	0.908	/
	DSI1		Right Tilt	0	38150	2610	1	Mid	0.08	0.763	22.44	23.00	1.138	0.868	/
	DSI1		Left Cheek	0	38150	2610	50	Mid	-0.09	0.228	22.39	23.00	1.151	0.262	/
	DSI1		Left Tilt	0	38150	2610	50	Mid	0.11	0.309	22.39	23.00	1.151	0.356	/
	DSI1		Right Cheek	0	38150	2610	50	Mid	-0.08	0.792	22.39	23.00	1.151	0.912	/
	DSI1		Right Tilt	0	38150	2610	50	Mid	-0.07	0.756	22.39	23.00	1.151	0.870	/
	DSI1		Right Cheek	0	37850	2580	1	Mid	0.09	0.808	21.87	23.00	1.297	**1.048**	46#
	DSI1		Right Cheek	0	38000	2595	1	Mid	0.06	0.786	22.28	23.00	1.180	0.927	/
	DSI1		Right Cheek	0	37850	2580	50	Low	0.08	0.793	21.83	23.00	1.309	1.038	/
	DSI1		Right Cheek	0	38000	2595	50	Low	0.00	0.791	22.17	23.00	1.211	0.958	/
	DSI1		Right Cheek	0	38150	2610	100	Low	-0.07	0.776	22.31	23.00	1.172	0.909	/
	DSI1		Right Tilt	0	37850	2580	1	Mid	-0.14	0.764	21.87	23.00	1.297	0.991	/
	DSI1		Right Tilt	0	38000	2595	1	Mid	0.06	0.738	22.28	23.00	1.180	0.871	/
	DSI1		Right Tilt	0	37850	2580	50	Low	-0.13	0.741	21.83	23.00	1.309	0.970	/
	DSI1		Right Tilt	0	38000	2595	50	Low	0.13	0.729	22.17	23.00	1.211	0.883	/
	DSI1		Right Tilt	0	38150	2610	100	Low	0.06	0.730	22.31	23.00	1.172	0.856	/
Ant.3	DSI1	QPSK	Left Cheek	0	38150	2610	1	Mid	-0.12	0.163	19.12	20.00	1.225	0.200	/
	DSI1		Left Tilt	0	38150	2610	1	Mid	-0.08	0.045	19.12	20.00	1.225	0.055	/
	DSI1		Right Cheek	0	38150	2610	1	Mid	0.05	0.474	19.12	20.00	1.225	0.581	/
	DSI1		Right Tilt	0	38150	2610	1	Mid	0.04	0.079	19.12	20.00	1.225	0.097	/
	DSI1		Left Cheek	0	37850	2580	50	Mid	-0.13	0.168	19.18	20.00	1.208	0.203	/
	DSI1		Left Tilt	0	37850	2580	50	Mid	-0.14	0.046	19.18	20.00	1.208	0.056	/
	DSI1		Right Cheek	0	37850	2580	50	Mid	-0.14	0.468	19.18	20.00	1.208	0.565	/
	DSI1		Right Tilt	0	37850	2580	50	Mid	0.02	0.080	19.18	20.00	1.208	0.097	/
Ant.1	DSI1	QPSK	Left Cheek	0	38150	2610	1	Mid	-0.14	0.117	24.81	25.50	1.172	0.137	/
	DSI1		Left Tilt	0	38150	2610	1	Mid	-0.11	0.048	24.81	25.50	1.172	0.056	/
	DSI1		Right Cheek	0	38150	2610	1	Mid	-0.03	0.066	24.81	25.50	1.172	0.077	/
	DSI1		Right Tilt	0	38150	2610	1	Mid	-0.06	0.034	24.81	25.50	1.172	0.040	/
	DSI1		Left Cheek	0	38000	2595	50	Low	0.02	0.085	23.70	24.50	1.202	0.102	/
	DSI1		Left Tilt	0	38000	2595	50	Low	0.11	0.041	23.70	24.50	1.202	0.049	/
	DSI1		Right Cheek	0	38000	2595	50	Low	-0.13	0.053	23.70	24.50	1.202	0.064	/
	DSI1		Right Tilt	0	38000	2595	50	Low	-0.09	0.026	23.70	24.50	1.202	0.031	/
Head-CA															

Ant.4	DSI1	QPSK	Right Cheek	0	37850 +38048	2580 +2599.8	1+1	High +Low	0.05	0.728	21.52	23.00	1.406	1.024	/
Body-worn															
Ant.4	DSI4	QPSK	Front Side	15	38150	2610	1	Mid	-0.01	0.131	24.91	25.50	1.146	0.150	/
	DSI3		Back Side	15	38150	2610	1	Mid	-0.10	0.171	24.91	25.50	1.146	**0.196**	47#
	DSI4		Front Side	15	38150	2610	50	Mid	-0.14	0.103	23.88	24.50	1.153	0.119	/
	DSI3		Back Side	15	38150	2610	50	Mid	-0.10	0.134	23.88	24.50	1.153	0.155	/
Ant.3	DSI4	QPSK	Front Side	15	38150	2610	1	High	-0.05	0.181	24.20	24.50	1.072	0.194	/
	DSI3		Back Side	15	37850	2580	1	Low	0.04	0.103	18.48	19.00	1.127	0.116	/
	DSI4		Front Side	15	38150	2610	50	Mid	-0.05	0.146	23.18	23.50	1.076	0.157	/
	DSI3		Back Side	15	37850	2580	50	Mid	0.04	0.101	18.51	19.00	1.119	0.113	/
Ant.1	DSI4	QPSK	Front Side	15	38150	2610	1	Mid	-0.14	0.138	24.81	25.50	1.172	0.162	/
	DSI2		Back Side	15	38150	2610	1	Mid	0.11	0.108	22.85	23.50	1.161	0.125	/
	DSI4		Front Side	15	38000	2595	50	Low	-0.04	0.112	23.70	24.50	1.202	0.135	/
	DSI2		Back Side	15	38000	2595	50	Low	0.12	0.103	22.71	23.50	1.199	0.123	/
Body-worn-CA															
Ant.4	DSI3	QPSK	Back Side	15	38150 +37952	2610 +2590.2	1+1	Low +High	-0.01	0.156	24.66	25.50	1.213	0.189	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	38150	2610	1	Mid	-0.05	0.291	24.91	25.50	1.146	0.333	/
	DSI5		Back Side	10	38150	2610	1	Mid	0.01	0.454	24.91	25.50	1.146	0.520	/
	DSI5		Left Edge	10	38150	2610	1	Mid	0.07	0.292	24.91	25.50	1.146	0.335	/
	DSI5		Top Edge	10	38150	2610	1	Mid	0.07	0.397	24.91	25.50	1.146	0.455	/
	DSI5		Front Side	10	38150	2610	50	Mid	-0.09	0.219	23.88	24.50	1.153	0.253	/
	DSI5		Back Side	10	38150	2610	50	Mid	-0.02	0.334	23.88	24.50	1.153	0.385	/
	DSI5		Left Edge	10	38150	2610	50	Mid	0.12	0.230	23.88	24.50	1.153	0.265	/
	DSI5		Top Edge	10	38150	2610	50	Mid	0.12	0.325	23.88	24.50	1.153	0.375	/
Ant.3	DSI5	QPSK	Front Side	10	37850	2580	1	Low	0.11	0.105	18.48	19.00	1.127	0.118	/
	DSI5		Back Side	10	37850	2580	1	Low	0.06	0.179	18.48	19.00	1.127	0.202	/
	DSI5		Left Edge	10	37850	2580	1	Low	-0.01	0.291	18.48	19.00	1.127	0.328	/
	DSI5		Front Side	10	37850	2580	50	Mid	-0.02	0.103	18.51	19.00	1.119	0.115	/
	DSI5		Back Side	10	37850	2580	50	Mid	-0.09	0.182	18.51	19.00	1.119	0.204	/
	DSI5		Left Edge	10	37850	2580	50	Mid	0.00	0.304	18.51	19.00	1.119	0.340	/
Ant.1	DSI5	QPSK	Front Side	10	38150	2610	1	Mid	0.07	0.300	22.85	23.50	1.161	0.348	/
	DSI5		Back Side	10	38150	2610	1	Mid	-0.04	0.357	22.85	23.50	1.161	0.414	/
	DSI5		Left Edge	10	38150	2610	1	Mid	-0.13	0.099	22.85	23.50	1.161	0.115	/
	DSI5		Right Edge	10	38150	2610	1	Mid	-0.15	0.063	22.85	23.50	1.161	0.073	/
	DSI5		Bottom Edge	10	38150	2610	1	Mid	-0.03	0.500	22.85	23.50	1.161	**0.581**	48#
	DSI5		Front Side	10	38150	2610	50	Mid	-0.14	0.293	22.71	23.50	1.199	0.351	/
	DSI5		Back Side	10	38150	2610	50	Mid	-0.15	0.346	22.71	23.50	1.199	0.415	/
	DSI5		Left Edge	10	38150	2610	50	Mid	-0.12	0.093	22.71	23.50	1.199	0.112	/
	DSI5		Right Edge	10	38150	2610	50	Mid	0.01	0.062	22.71	23.50	1.199	0.074	/
	DSI5		Bottom Edge	10	38150	2610	50	Mid	0.09	0.478	22.71	23.50	1.199	0.573	/

Hotspot-CA															
Ant.1	DSI5	QPSK	Bottom Edge	10	38150 +37952	2610 +2590.2	1+1	Low +High	0.12	0.448	22.43	23.50	1.279	0.573	/
Body (Sensor-1)															
Ant.3	DSI4	QPSK	Front Side	14	38150	2610	1	High	0.05	0.195	24.20	24.50	1.072	0.209	/
	DSI4		Back Side	16	38150	2610	1	High	0.04	0.183	24.20	24.50	1.072	0.196	/
	DSI4		Left Edge	11	38150	2610	1	High	0.06	0.684	24.20	24.50	1.072	0.733	/
	DSI4		Top Edge	15	38150	2610	1	High	-0.10	0.032	24.20	24.50	1.072	0.034	/
	DSI4		Front Side	14	38150	2610	50	Mid	0.04	0.158	23.18	23.50	1.076	0.170	/
	DSI4		Back Side	16	38150	2610	50	Mid	0.06	0.143	23.18	23.50	1.076	0.154	/
	DSI4		Left Edge	11	38150	2610	50	Mid	-0.04	0.552	23.18	23.50	1.076	0.594	/
	DSI4		Top Edge	15	38150	2610	50	Mid	-0.09	0.026	23.18	23.50	1.076	0.028	/
Ant.1	DSI4	QPSK	Front Side	9	38150	2610	1	Mid	0.06	0.328	24.81	25.50	1.172	0.384	/
	DSI4		Back Side	16	38150	2610	1	Mid	0.08	0.143	24.81	25.50	1.172	0.168	/
	DSI4		Bottom Edge	15	38150	2610	1	Mid	0.05	0.226	24.81	25.50	1.172	0.265	/
	DSI4		Front Side	9	38000	2595	50	Low	-0.10	0.275	23.70	24.50	1.202	0.331	/
	DSI4		Back Side	16	38000	2595	50	Low	0.08	0.118	23.70	24.50	1.202	0.142	/
	DSI4		Bottom Edge	15	38000	2595	50	Low	0.01	0.182	23.70	24.50	1.202	0.219	/

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.3	DSI3	QPSK	Left Edge	0	37850	2580	1	Low	-0.02	2.260	18.48	19.00	1.127	**2.547**	49#
	DSI3		Left Edge	0	37850	2580	50	Mid	-0.02	1.970	18.51	19.00	1.119	2.204	/
	DSI3		Left Edge	0	38000	2595	1	Mid	0.00	2.140	18.40	19.00	1.148	2.457	/
	DSI3		Left Edge	0	38150	2610	1	High	0.11	2.010	18.43	19.00	1.140	2.291	/
	DSI3		Left Edge	0	38000	2595	50	Mid	-0.12	1.980	18.37	19.00	1.156	2.289	/
	DSI3		Left Edge	0	38150	2610	50	High	-0.03	1.950	18.42	19.00	1.143	2.229	/
	DSI3		Left Edge	0	38000	2595	100	Low	0.09	1.930	18.53	19.00	1.114	2.150	/
Ant.1	DSI2	QPSK	Bottom Edge	0	38150	2610	1	Mid	-0.05	2.040	22.85	23.50	1.161	2.368	/
	DSI2		Bottom Edge	0	38150	2610	50	Mid	0.03	1.960	22.71	23.50	1.199	2.350	/
	DSI2		Bottom Edge	0	37850	2580	1	High	0.09	1.890	22.58	23.50	1.236	2.336	/
	DSI2		Bottom Edge	0	38000	2595	1	Mid	0.08	1.920	22.66	23.50	1.213	2.329	/
	DSI2		Bottom Edge	0	37850	2580	50	High	-0.09	1.840	22.64	23.50	1.219	2.243	/
	DSI2		Bottom Edge	0	38000	2595	50	Low	0.11	1.920	22.66	23.50	1.213	2.329	/
	DSI2		Bottom Edge	0	38150	2610	100	Low	-0.03	1.880	22.74	23.50	1.191	2.239	/
Specific-CA															
Ant.1	DSI2	QPSK	Left Edge	0	38150 +37952	2610 +2590.2	1+1	Low +High	0.04	1.810	22.43	23.50	1.279	2.315	/

11.22 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	Mid	0.01	0.251	22.56	23.00	1.107	0.278	/
	DSI1		Left Tilt	0	41490	2680	1	Mid	-0.04	0.292	22.56	23.00	1.107	0.323	/
	DSI1		Right Cheek	0	41490	2680	1	Mid	0.01	0.775	22.56	23.00	1.107	0.858	/
	DSI1		Right Tilt	0	41490	2680	1	Mid	-0.08	0.734	22.56	23.00	1.107	0.813	/
	DSI1		Left Cheek	0	41490	2680	50	Mid	0.04	0.244	22.51	23.00	1.119	0.273	/
	DSI1		Left Tilt	0	41490	2680	50	Mid	-0.05	0.285	22.51	23.00	1.119	0.319	/
	DSI1		Right Cheek	0	41490	2680	50	Mid	0.13	0.780	22.51	23.00	1.119	0.873	/
	DSI1		Right Tilt	0	41490	2680	50	Mid	-0.01	0.743	22.51	23.00	1.119	0.831	/
	DSI1		Right Cheek	0	39750	2506	1	Mid	-0.03	0.704	21.79	23.00	1.321	0.930	/
	DSI1		Right Cheek	0	40185	2549.5	1	Mid	-0.11	0.735	21.95	23.00	1.274	0.936	/
	DSI1		Right Cheek	0	40620	2593	1	High	0.03	0.771	22.14	23.00	1.219	**0.940**	50#
	DSI1		Right Cheek	0	41055	2636.5	1	Mid	0.04	0.718	22.42	23.00	1.143	0.821	/
	DSI1		Right Cheek	0	39750	2506	50	Mid	0.04	0.702	21.81	23.00	1.315	0.923	/
	DSI1		Right Cheek	0	40185	2549.5	50	Mid	0.11	0.709	21.91	23.00	1.285	0.911	/
	DSI1		Right Cheek	0	40620	2593	50	Low	0.13	0.710	22.13	23.00	1.222	0.868	/
	DSI1		Right Cheek	0	41055	2636.5	50	Low	-0.09	0.718	22.34	23.00	1.164	0.836	/
	DSI1		Right Cheek	0	41490	2680	100	Low	-0.09	0.723	22.55	23.00	1.109	0.802	/
	DSI1		Right Tilt	0	39750	2506	1	Mid	-0.10	0.652	21.79	23.00	1.321	0.861	/
	DSI1		Right Tilt	0	40185	2549.5	1	Mid	0.03	0.679	21.95	23.00	1.274	0.865	/
	DSI1		Right Tilt	0	40620	2593	1	High	-0.06	0.715	22.14	23.00	1.219	0.872	/
	DSI1		Right Tilt	0	41055	2636.5	1	Mid	-0.03	0.672	22.42	23.00	1.143	0.768	/
	DSI1		Right Tilt	0	39750	2506	50	Mid	-0.02	0.658	21.81	23.00	1.315	0.865	/
	DSI1		Right Tilt	0	40185	2549.5	50	Mid	0.05	0.673	21.91	23.00	1.285	0.865	/
	DSI1		Right Tilt	0	40620	2593	50	Low	0.12	0.675	22.13	23.00	1.222	0.825	/
	DSI1		Right Tilt	0	41055	2636.5	50	Low	0.10	0.668	22.34	23.00	1.164	0.778	/
	DSI1		Right Tilt	0	41490	2680	100	Low	-0.03	0.674	22.55	23.00	1.109	0.747	/
Ant.3	DSI1	QPSK	Left Cheek	0	40185	2549.5	1	High	0.02	0.319	19.19	20.00	1.205	0.384	/
	DSI1		Left Tilt	0	40185	2549.5	1	High	0.09	0.058	19.19	20.00	1.205	0.070	/
	DSI1		Right Cheek	0	40185	2549.5	1	High	-0.10	0.436	19.19	20.00	1.205	0.525	/
	DSI1		Right Tilt	0	40185	2549.5	1	High	-0.10	0.087	19.19	20.00	1.205	0.105	/
	DSI1		Left Cheek	0	40620	2593	50	Low	0.02	0.312	19.18	20.00	1.208	0.377	/
	DSI1		Left Tilt	0	40620	2593	50	Low	-0.01	0.056	19.18	20.00	1.208	0.068	/
	DSI1		Right Cheek	0	40620	2593	50	Low	-0.01	0.423	19.18	20.00	1.208	0.511	/
	DSI1		Right Tilt	0	40620	2593	50	Low	-0.01	0.085	19.18	20.00	1.208	0.103	/
Ant.1	DSI1	QPSK	Left Cheek	0	40620	2593	1	High	0.04	0.117	24.63	25.50	1.222	0.143	/
	DSI1		Left Tilt	0	40620	2593	1	High	-0.04	0.047	24.63	25.50	1.222	0.057	/

	DSI1		Right Cheek	0	40620	2593	1	High	-0.15	0.052	24.63	25.50	1.222	0.064	/
	DSI1		Right Tilt	0	40620	2593	1	High	0.01	0.047	24.63	25.50	1.222	0.057	/
	DSI1		Left Cheek	0	41490	2680	50	High	0.12	0.098	23.72	24.50	1.197	0.117	/
	DSI1		Left Tilt	0	41490	2680	50	High	-0.10	0.039	23.72	24.50	1.197	0.047	/
	DSI1		Right Cheek	0	41490	2680	50	High	-0.11	0.055	23.72	24.50	1.197	0.066	/
	DSI1		Right Tilt	0	41490	2680	50	High	-0.07	0.038	23.72	24.50	1.197	0.045	/
Body-worn															
Ant.4	DSI4	QPSK	Front Side	15	41490	2680	1	Mid	-0.09	0.134	25.03	25.50	1.114	0.149	/
	DSI3		Back Side	15	41490	2680	1	Mid	-0.02	0.188	25.03	25.50	1.114	**0.209**	51#
	DSI4		Front Side	15	41490	2680	50	Mid	-0.08	0.105	24.01	24.50	1.119	0.117	/
	DSI3		Back Side	15	41490	2680	50	Mid	0.02	0.146	24.01	24.50	1.119	0.163	/
Ant.3	DSI4	QPSK	Front Side	15	40620	2593	1	High	-0.04	0.165	24.11	24.50	1.094	0.181	/
	DSI3		Back Side	15	40620	2593	1	High	-0.14	0.103	22.62	23.50	1.225	0.126	/
	DSI4		Front Side	15	41055	2636.5	50	High	0.05	0.137	23.22	23.50	1.067	0.146	/
	DSI3		Back Side	15	41490	2680	50	High	-0.03	0.100	22.76	23.50	1.186	0.119	/
Ant.1	DSI4	QPSK	Front Side	15	40620	2593	1	High	-0.12	0.126	24.63	25.50	1.222	0.154	/
	DSI2		Back Side	15	40620	2593	1	High	-0.14	0.105	22.62	23.50	1.225	0.129	/
	DSI4		Front Side	15	41490	2680	50	High	-0.13	0.108	23.72	24.50	1.197	0.129	/
	DSI2		Back Side	15	41490	2680	50	High	-0.02	0.099	22.76	23.50	1.186	0.117	/
Hotspot															
Ant.4	DSI5	QPSK	Front Side	10	41490	2680	1	Mid	-0.13	0.292	25.03	25.50	1.114	0.325	/
	DSI5		Back Side	10	41490	2680	1	Mid	0.05	0.434	25.03	25.50	1.114	0.483	/
	DSI5		Left Edge	10	41490	2680	1	Mid	-0.04	0.257	25.03	25.50	1.114	0.286	/
	DSI5		Top Edge	10	41490	2680	1	Mid	0.10	0.421	25.03	25.50	1.114	0.469	/
	DSI5		Front Side	10	41490	2680	50	Mid	0.13	0.224	24.01	24.50	1.119	0.251	/
	DSI5		Back Side	10	41490	2680	50	Mid	-0.01	0.326	24.01	24.50	1.119	0.365	/
	DSI5		Left Edge	10	41490	2680	50	Mid	-0.02	0.218	24.01	24.50	1.119	0.244	/
	DSI5		Top Edge	10	41490	2680	50	Mid	-0.02	0.329	24.01	24.50	1.119	0.368	/
Ant.3	DSI5	QPSK	Front Side	10	41490	2680	1	High	-0.03	0.098	18.23	19.00	1.194	0.117	/
	DSI5		Back Side	10	41490	2680	1	High	0.08	0.182	18.23	19.00	1.194	0.217	/
	DSI5		Left Edge	10	41490	2680	1	High	-0.04	0.291	18.23	19.00	1.194	0.347	/
	DSI5		Front Side	10	40620	2593	50	Low	-0.04	0.095	18.23	19.00	1.194	0.113	/
	DSI5		Back Side	10	40620	2593	50	Low	0.09	0.138	18.23	19.00	1.194	0.165	/
	DSI5		Left Edge	10	40620	2593	50	Low	-0.08	0.286	18.23	19.00	1.194	0.341	/
Ant.1	DSI5	QPSK	Front Side	10	40620	2593	1	High	-0.15	0.253	22.62	23.50	1.225	0.310	/
	DSI5		Back Side	10	40620	2593	1	High	-0.13	0.296	22.62	23.50	1.225	0.363	/
	DSI5		Left Edge	10	40620	2593	1	High	0.00	0.081	22.62	23.50	1.225	0.099	/
	DSI5		Right Edge	10	40620	2593	1	High	-0.03	0.053	22.62	23.50	1.225	0.065	/
	DSI5		Bottom Edge	10	40620	2593	1	High	-0.04	0.460	22.62	23.50	1.225	**0.564**	52#
	DSI5		Front Side	10	41490	2680	50	High	0.07	0.249	22.76	23.50	1.186	0.295	/
	DSI5		Back Side	10	41490	2680	50	High	0.01	0.283	22.76	23.50	1.186	0.336	/
	DSI5		Left Edge	10	41490	2680	50	High	0.10	0.079	22.76	23.50	1.186	0.094	/
	DSI5		Right Edge	10	41490	2680	50	High	0.09	0.051	22.76	23.50	1.186	0.060	/

	DSI5		Bottom Edge	10	41490	2680	50	High	0.08	0.454	22.76	23.50	1.186	0.538	/
Body (Sensor-1)															
Ant.3	DSI4	QPSK	Front Side	14	40620	2593	1	High	0.06	0.191	24.11	24.50	1.094	0.209	/
	DSI4		Back Side	16	40620	2593	1	High	0.06	0.180	24.11	24.50	1.094	0.197	/
	DSI4		Left Edge	11	40620	2593	1	High	0.02	0.692	24.11	24.50	1.094	0.757	/
	DSI4		Top Edge	15	40620	2593	1	High	0.11	0.030	24.11	24.50	1.094	0.033	/
	DSI4		Front Side	14	41055	2636.5	50	High	-0.07	0.161	23.22	23.50	1.067	0.172	/
	DSI4		Back Side	16	41055	2636.5	50	High	0.11	0.138	23.22	23.50	1.067	0.147	/
	DSI4		Left Edge	11	41055	2636.5	50	High	0.02	0.548	23.22	23.50	1.067	0.585	/
	DSI4		Top Edge	15	41055	2636.5	50	High	0.05	0.025	23.22	23.50	1.067	0.027	/
Ant.1	DSI4	QPSK	Front Side	9	40620	2593	1	High	-0.08	0.315	24.63	25.50	1.222	0.385	/
	DSI4		Back Side	16	40620	2593	1	High	0.04	0.146	24.63	25.50	1.222	0.178	/
	DSI4		Bottom Edge	15	40620	2593	1	High	-0.02	0.230	24.63	25.50	1.222	0.281	/
	DSI4		Front Side	9	41490	2680	50	High	-0.05	0.250	23.72	24.50	1.197	0.299	/
	DSI4		Back Side	16	41490	2680	50	High	-0.03	0.118	23.72	24.50	1.197	0.141	/
	DSI4		Bottom Edge	15	41490	2680	50	High	-0.04	0.184	23.72	24.50	1.197	0.220	/

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.3	DSI3	QPSK	Left Edge	0	41490	2680	1	High	0.03	1.950	18.23	19.00	1.194	2.328	/
	DSI3		Left Edge	0	40620	2593	50	Low	-0.10	1.900	18.23	19.00	1.194	2.269	/
	DSI3		Left Edge	0	39750	2506	1	High	-0.02	1.920	18.10	19.00	1.230	2.362	/
	DSI3		Left Edge	0	40185	2549.5	1	High	0.13	2.010	18.19	19.00	1.205	2.422	/
	DSI3		Left Edge	0	40620	2593	1	High	0.00	1.980	18.11	19.00	1.227	**2.429**	53#
	DSI3		Left Edge	0	41055	2636.5	1	High	0.01	1.860	18.12	19.00	1.225	2.279	/
	DSI3		Left Edge	0	39750	2506	50	Low	0.02	1.910	18.16	19.00	1.213	2.317	/
	DSI3		Left Edge	0	40185	2549.5	50	Mid	0.05	1.830	17.96	19.00	1.271	2.326	/
	DSI3		Left Edge	0	41055	2636.5	50	Low	-0.03	1.920	18.02	19.00	1.253	2.406	/
	DSI3		Left Edge	0	41490	2680	50	Mid	0.02	1.880	18.19	19.00	1.205	2.265	/
	DSI3		Left Edge	0	41055	2636.5	100	Low	-0.07	1.840	18.20	19.00	1.202	2.212	/
Ant.1	DSI2	QPSK	Bottom Edge	0	40620	2593	1	High	0.06	1.820	22.62	23.50	1.225	2.230	/
	DSI2		Bottom Edge	0	41490	2680	50	High	0.04	1.790	22.76	23.50	1.186	2.123	/
	DSI2		Bottom Edge	0	39750	2506	1	Low	-0.09	1.750	22.51	23.50	1.256	2.198	/
	DSI2		Bottom Edge	0	40185	2549.5	1	High	-0.13	1.800	22.60	23.50	1.230	2.214	/
	DSI2		Bottom Edge	0	41055	2636.5	1	High	-0.15	1.690	22.62	23.50	1.225	2.070	/
	DSI2		Bottom Edge	0	41490	2680	1	High	-0.13	1.860	22.60	23.50	1.230	2.288	/
	DSI2		Bottom Edge	0	39750	2506	50	Mid	0.11	1.730	22.59	23.50	1.233	2.133	/
	DSI2		Bottom Edge	0	40185	2549.5	50	High	-0.01	1.810	22.68	23.50	1.208	2.186	/
	DSI2		Bottom Edge	0	40620	2593	50	High	0.03	1.650	22.72	23.50	1.197	1.975	/
	DSI2		Bottom Edge	0	41055	2636.5	50	Low	-0.01	1.640	22.71	23.50	1.199	1.966	/

	DSI2		Bottom Edge	0	41055	2636.5	100	Low	-0.09	1.750	22.69	23.50	1.205	2.109	/

11.23 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.5	DSI1	QPSK	Left Cheek	0	43490	3590	1	Mid	0.07	0.505	14.39	15.50	1.291	0.652	/
	DSI1		Left Tilt	0	43490	3590	1	Mid	-0.09	0.779	14.39	15.50	1.291	1.006	/
	DSI1		Right Cheek	0	43490	3590	1	Mid	0.03	0.398	14.39	15.50	1.291	0.514	/
	DSI1		Right Tilt	0	43490	3590	1	Mid	-0.07	0.527	14.39	15.50	1.291	0.680	/
	DSI1		Left Cheek	0	43490	3590	50	Low	0.13	0.535	14.48	15.50	1.265	0.677	/
	DSI1		Left Tilt	0	43490	3590	50	Low	-0.05	0.810	14.48	15.50	1.265	**1.025**	54#
	DSI1		Right Cheek	0	43490	3590	50	Low	0.13	0.408	14.48	15.50	1.265	0.516	/
	DSI1		Right Tilt	0	43490	3590	50	Low	-0.01	0.532	14.48	15.50	1.265	0.673	/
	DSI1		Left Tilt	0	41690	3410	1	Low	-0.09	0.660	14.18	15.50	1.355	0.894	/
	DSI1		Left Tilt	0	42590	3500	1	Mid	0.12	0.691	14.35	15.50	1.303	0.900	/
	DSI1		Left Tilt	0	41690	3410	50	Low	-0.14	0.695	14.14	15.50	1.368	0.951	/
	DSI1		Left Tilt	0	42590	3500	50	High	0.13	0.724	14.33	15.50	1.309	0.948	/
	DSI1		Left Tilt	0	43490	3590	100	Low	-0.11	0.730	14.41	15.50	1.285	0.938	/
Ant.7	DSI1	QPSK	Left Cheek	0	43490	3590	1	Low	0.10	0.542	17.53	18.50	1.250	0.678	/
	DSI1		Left Tilt	0	43490	3590	1	Low	0.01	0.216	17.53	18.50	1.250	0.270	/
	DSI1		Right Cheek	0	43490	3590	1	Low	-0.13	0.118	17.53	18.50	1.250	0.148	/
	DSI1		Right Tilt	0	43490	3590	1	Low	0.00	0.103	17.53	18.50	1.250	0.129	/
	DSI1		Left Cheek	0	43490	3590	50	Low	-0.03	0.564	17.54	18.50	1.247	0.703	/
	DSI1		Left Tilt	0	43490	3590	50	Low	-0.03	0.221	17.54	18.50	1.247	0.276	/
	DSI1		Right Cheek	0	43490	3590	50	Low	-0.10	0.123	17.54	18.50	1.247	0.153	/
	DSI1		Right Tilt	0	43490	3590	50	Low	0.05	0.102	17.54	18.50	1.247	0.127	/
Body-worn															
Ant.5	DSI4	QPSK	Front Side	15	43490	3590	1	Mid	-0.06	0.381	24.22	25.50	1.343	**0.512**	55#
	DSI3		Back Side	15	43490	3590	1	Mid	-0.02	0.186	17.29	18.50	1.321	0.246	/
	DSI4		Front Side	15	43490	3590	50	Mid	-0.03	0.356	23.26	24.50	1.330	0.473	/
	DSI3		Back Side	15	43490	3590	50	Low	-0.08	0.182	17.32	18.50	1.312	0.239	/
Ant.7	DSI4	QPSK	Front Side	15	43490	3590	1	Low	0.00	0.036	18.52	19.50	1.253	0.045	/
	DSI3		Back Side	15	43490	3590	1	Low	0.12	0.068	18.52	19.50	1.253	0.085	/
	DSI4		Front Side	15	43490	3590	50	Low	-0.15	0.036	18.49	19.50	1.262	0.045	/
	DSI3		Back Side	15	43490	3590	50	Low	0.09	0.066	18.49	19.50	1.262	0.083	/
Hotspot															
Ant.5	DSI5	QPSK	Front Side	10	43490	3590	1	Mid	-0.13	0.218	17.29	18.50	1.321	0.288	/
	DSI5		Back Side	10	43490	3590	1	Mid	-0.06	0.279	17.29	18.50	1.321	0.369	/
	DSI5		Right Edge	10	43490	3590	1	Mid	-0.13	0.048	17.29	18.50	1.321	0.063	/
	DSI5		Top Edge	10	43490	3590	1	Mid	-0.06	0.502	17.29	18.50	1.321	**0.663**	56#
	DSI5		Front Side	10	43490	3590	50	Low	0.11	0.221	17.32	18.50	1.312	0.290	/

	DSI5		Back Side	10	43490	3590	50	Low	0.09	0.287	17.32	18.50	1.312	0.377	/
	DSI5		Right Edge	10	43490	3590	50	Low	0.11	0.050	17.32	18.50	1.312	0.066	/
	DSI5		Top Edge	10	43490	3590	50	Low	-0.06	0.502	17.32	18.50	1.312	0.659	/
Ant.7	DSI5	QPSK	Front Side	10	43490	3590	1	Low	-0.13	0.112	18.52	19.50	1.253	0.140	/
	DSI5		Back Side	10	43490	3590	1	Low	-0.13	0.238	18.52	19.50	1.253	0.298	/
	DSI5		Right Edge	10	43490	3590	1	Low	0.04	0.426	18.52	19.50	1.253	0.534	/
	DSI5		Top Edge	10	43490	3590	1	Low	-0.02	0.062	18.52	19.50	1.253	0.078	/
	DSI5		Front Side	10	43490	3590	50	Low	0.00	0.105	18.49	19.50	1.262	0.133	/
	DSI5		Back Side	10	43490	3590	50	Low	-0.01	0.235	18.49	19.50	1.262	0.297	/
	DSI5		Right Edge	10	43490	3590	50	Low	0.01	0.431	18.49	19.50	1.262	0.544	/
	DSI5		Top Edge	10	43490	3590	50	Low	-0.14	0.064	18.49	19.50	1.262	0.081	/
Body (Sensor-1)															
Ant.5	DSI4	QPSK	Front Side	14	43490	3590	1	Mid	0.10	0.389	24.22	25.50	1.343	0.522	/
	DSI4		Back Side	16	43490	3590	1	Mid	-0.09	0.415	24.22	25.50	1.343	0.557	/
	DSI4		Left Edge	11	43490	3590	1	Mid	-0.11	0.092	24.22	25.50	1.343	0.124	/
	DSI4		Top Edge	15	43490	3590	1	Mid	-0.03	0.813	24.22	25.50	1.343	1.092	/
	DSI4		Front Side	14	43490	3590	50	Mid	-0.03	0.305	23.26	24.50	1.330	0.406	/
	DSI4		Back Side	16	43490	3590	50	Mid	0.03	0.326	23.26	24.50	1.330	0.434	/
	DSI4		Left Edge	11	43490	3590	50	Mid	0.00	0.075	23.26	24.50	1.330	0.100	/
	DSI4		Top Edge	15	43490	3590	50	Mid	-0.10	0.642	23.26	24.50	1.330	0.854	/
	DSI4		Top Edge	15	41690	3410	1	Low	-0.08	0.725	24.01	25.50	1.409	1.022	/
	DSI4		Top Edge	15	42590	3500	1	Mid	0.09	0.780	24.13	25.50	1.371	1.069	/
	DSI4		Top Edge	15	41690	3410	50	Mid	0.07	0.625	22.99	24.50	1.416	0.885	/
	DSI4		Top Edge	15	42590	3500	50	Low	0.11	0.618	23.11	24.50	1.377	0.851	/
	DSI4		Top Edge	15	43490	3590	100	Low	0.07	0.623	23.23	24.50	1.340	0.835	/

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.5	DSI3	QPSK	Front Side	0	43490	3590	1	Mid	0.01	0.719	17.29	18.50	1.321	0.950	/
	DSI3		Back Side	0	43490	3590	1	Mid	0.10	0.382	17.29	18.50	1.321	0.505	/
	DSI3		Top Edge	0	43490	3590	1	Mid	-0.09	1.680	17.29	18.50	1.321	**2.219**	57#
	DSI3		Front Side	0	43490	3590	50	Low	0.01	0.710	17.32	18.50	1.312	0.932	/
	DSI3		Back Side	0	43490	3590	50	Low	0.02	0.368	17.32	18.50	1.312	0.483	/
	DSI3		Top Edge	0	43490	3590	50	Low	0.04	1.590	17.32	18.50	1.312	2.086	/
	DSI3		Top Edge	0	41690	3410	1	Low	-0.09	1.530	16.98	18.50	1.419	2.171	/
	DSI3		Top Edge	0	42590	3500	1	Mid	-0.02	1.580	17.17	18.50	1.358	2.146	/
	DSI3		Top Edge	0	41690	3410	50	Mid	-0.04	1.540	17.02	18.50	1.406	2.165	/
	DSI3		Top Edge	0	42590	3500	50	Mid	0.07	1.600	17.12	18.50	1.374	2.198	/
	DSI3		Top Edge	0	43490	3590	100	Low	0.13	1.540	17.27	18.50	1.327	2.044	/

11.24 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.5	DSI1	QPSK	Left Cheek	0	56640	3690	1	Low	0.11	0.676	14.30	15.50	1.318	0.891	/
	DSI1		Left Tilt	0	56640	3690	1	Low	-0.13	0.801	14.30	15.50	1.318	**1.056**	58#
	DSI1		Right Cheek	0	56640	3690	1	Low	-0.11	0.460	14.30	15.50	1.318	0.606	/
	DSI1		Right Tilt	0	56640	3690	1	Low	-0.14	0.553	14.30	15.50	1.318	0.729	/
	DSI1		Left Cheek	0	56640	3690	50	Mid	0.02	0.661	14.43	15.50	1.279	0.845	/
	DSI1		Left Tilt	0	56640	3690	50	Mid	0.07	0.787	14.43	15.50	1.279	1.007	/
	DSI1		Right Cheek	0	56640	3690	50	Mid	-0.08	0.458	14.43	15.50	1.279	0.586	/
	DSI1		Right Tilt	0	56640	3690	50	Mid	0.07	0.530	14.43	15.50	1.279	0.678	/
	DSI1		Left Cheek	0	55340	3560	1	Low	-0.09	0.608	14.05	15.50	1.396	0.849	/
	DSI1		Left Cheek	0	55990	3625	1	Mid	0.05	0.625	14.11	15.50	1.377	0.861	/
	DSI1		Left Cheek	0	55340	3560	50	Mid	-0.12	0.580	14.08	15.50	1.387	0.804	/
	DSI1		Left Cheek	0	55990	3625	50	Low	-0.13	0.609	14.08	15.50	1.387	0.845	/
	DSI1		Left Cheek	0	56640	3690	100	Low	-0.05	0.615	14.36	15.50	1.300	0.800	/
	DSI1		Left Tilt	0	55340	3560	1	Low	-0.13	0.728	14.05	15.50	1.396	1.016	/
	DSI1		Left Tilt	0	55990	3625	1	Mid	-0.10	0.756	14.11	15.50	1.377	1.041	/
	DSI1		Left Tilt	0	55340	3560	50	Mid	0.05	0.683	14.08	15.50	1.387	0.947	/
	DSI1		Left Tilt	0	55990	3625	50	Low	-0.10	0.725	14.08	15.50	1.387	1.006	/
	DSI1		Left Tilt	0	56640	3690	100	Low	-0.05	0.736	14.36	15.50	1.300	0.957	/
Ant.7	DSI1	QPSK	Left Cheek	0	56640	3690	1	Mid	-0.09	0.609	17.30	18.50	1.318	0.803	/
	DSI1		Left Tilt	0	56640	3690	1	Mid	-0.14	0.261	17.30	18.50	1.318	0.344	/
	DSI1		Right Cheek	0	56640	3690	1	Mid	0.06	0.132	17.30	18.50	1.318	0.174	/
	DSI1		Right Tilt	0	56640	3690	1	Mid	-0.09	0.125	17.30	18.50	1.318	0.165	/
	DSI1		Left Cheek	0	55990	3625	50	Low	0.06	0.604	17.27	18.50	1.327	0.802	/
	DSI1		Left Tilt	0	55990	3625	50	Low	0.12	0.258	17.27	18.50	1.327	0.342	/
	DSI1		Right Cheek	0	55990	3625	50	Low	-0.10	0.129	17.27	18.50	1.327	0.171	/
	DSI1		Right Tilt	0	55990	3625	50	Low	-0.08	0.121	17.27	18.50	1.327	0.161	/
	DSI1		Left Cheek	0	55340	3560	1	Low	0.00	0.585	17.18	18.50	1.355	0.793	/
	DSI1		Left Cheek	0	55990	3625	1	Mid	-0.09	0.575	17.20	18.50	1.349	0.776	/
	DSI1		Left Cheek	0	55340	3560	50	Mid	-0.08	0.536	17.10	18.50	1.380	0.740	/
	DSI1		Left Cheek	0	56640	3690	50	High	0.13	0.591	17.21	18.50	1.346	0.795	/
	DSI1		Left Cheek	0	56640	3690	100	Low	-0.13	0.578	17.35	18.50	1.303	0.753	/
Body-worn															
Ant.5	DSI4	QPSK	Front Side	15	56640	3690	1	Mid	-0.12	0.205	20.93	22.00	1.279	0.262	/
	DSI3		Back Side	15	56640	3690	1	Low	-0.06	0.208	17.12	18.50	1.374	**0.286**	59#
	DSI4		Front Side	15	56640	3690	50	Mid	-0.12	0.202	20.05	21.00	1.245	0.251	/
	DSI3		Back Side	15	56640	3690	50	Mid	-0.01	0.205	17.22	18.50	1.343	0.275	/

Ant.7	DSI4	QPSK	Front Side	15	56640	3690	1	High	0.02	0.054	18.26	19.50	1.330	0.072	/
	DSI3		Back Side	15	56640	3690	1	High	-0.10	0.128	18.26	19.50	1.330	0.170	/
	DSI4		Front Side	15	55990	3625	50	Low	0.05	0.052	18.34	19.50	1.306	0.068	/
	DSI3		Back Side	15	55990	3625	50	Low	-0.02	0.126	18.34	19.50	1.306	0.165	/
Hotspot															
Ant.5	DSI5	QPSK	Front Side	10	56640	3690	1	Low	-0.03	0.228	17.12	18.50	1.374	0.313	/
	DSI5		Back Side	10	56640	3690	1	Low	-0.07	0.316	17.12	18.50	1.374	0.434	/
	DSI5		Right Edge	10	56640	3690	1	Low	0.06	0.063	17.12	18.50	1.374	0.087	/
	DSI5		Top Edge	10	56640	3690	1	Low	-0.11	0.513	17.12	18.50	1.374	0.705	/
	DSI5		Front Side	10	56640	3690	50	Mid	-0.06	0.223	17.22	18.50	1.343	0.299	/
	DSI5		Back Side	10	56640	3690	50	Mid	0.03	0.310	17.22	18.50	1.343	0.416	/
	DSI5		Right Edge	10	56640	3690	50	Mid	-0.07	0.058	17.22	18.50	1.343	0.078	/
	DSI5		Top Edge	10	56640	3690	50	Mid	-0.13	0.526	17.22	18.50	1.343	**0.706**	60#
Ant.7	DSI5	QPSK	Front Side	10	56640	3690	1	High	0.09	0.116	18.26	19.50	1.330	0.154	/
	DSI5		Back Side	10	56640	3690	1	High	0.03	0.279	18.26	19.50	1.330	0.371	/
	DSI5		Right Edge	10	56640	3690	1	High	-0.06	0.478	18.26	19.50	1.330	0.636	/
	DSI5		Top Edge	10	56640	3690	1	High	0.04	0.118	18.26	19.50	1.330	0.157	/
	DSI5		Front Side	10	55990	3625	50	Low	-0.10	0.121	18.34	19.50	1.306	0.158	/
	DSI5		Back Side	10	55990	3625	50	Low	-0.03	0.285	18.34	19.50	1.306	0.372	/
	DSI5		Right Edge	10	55990	3625	50	Low	0.07	0.473	18.34	19.50	1.306	0.618	/
	DSI5		Top Edge	10	55990	3625	50	Low	-0.07	0.118	18.34	19.50	1.306	0.154	/
Body (Sensor-1)															
Ant.5	DSI4	QPSK	Front Side	14	56640	3690	1	Mid	-0.03	0.286	20.93	22.00	1.279	0.366	/
	DSI4		Back Side	16	56640	3690	1	Mid	0.01	0.358	20.93	22.00	1.279	0.458	/
	DSI4		Left Edge	11	56640	3690	1	Mid	-0.09	0.078	20.93	22.00	1.279	0.100	/
	DSI4		Top Edge	15	56640	3690	1	Mid	-0.01	0.503	20.93	22.00	1.279	0.643	/
	DSI4		Front Side	14	56640	3690	50	Mid	-0.10	0.226	20.05	21.00	1.245	0.281	/
	DSI4		Back Side	16	56640	3690	50	Mid	0.05	0.283	20.05	21.00	1.245	0.352	/
	DSI4		Left Edge	11	56640	3690	50	Mid	0.10	0.061	20.05	21.00	1.245	0.076	/
	DSI4		Top Edge	15	56640	3690	50	Mid	-0.10	0.395	20.05	21.00	1.245	0.492	/

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.5	DSI3	QPSK	Top Edge	0	56640	3690	1	Low	-0.12	1.540	17.12	18.50	1.374	**2.116**	61#
	DSI3		Top Edge	10	56640	3690	50	Mid	-0.04	1.520	17.22	18.50	1.343	2.041	/
	DSI3		Top Edge	10	55340	3560	1	Mid	0.11	1.450	16.96	18.50	1.426	2.068	/
	DSI3		Top Edge	10	55990	3625	1	Mid	0.08	1.480	16.97	18.50	1.422	2.105	/
	DSI3		Top Edge	10	55340	3560	50	Mid	-0.08	1.430	16.95	18.50	1.429	2.043	/
	DSI3		Top Edge	10	55990	3625	50	Low	-0.15	1.420	16.99	18.50	1.416	2.011	/
	DSI3		Top Edge	10	56640	3690	100	Low	0.13	1.490	17.19	18.50	1.352	2.014	/

11.25 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-OFDM BPSK	SA	Left Cheek	0	376000	1880	1	1	0.04	0.463	16.43	17.00	1.140	0.528	/
	DSI1			Left Tilt	0	376000	1880	1	1	0.05	0.552	16.43	17.00	1.140	0.629	/
	DSI1			Right Cheek	0	376000	1880	1	1	0.10	0.663	16.43	17.00	1.140	0.756	/
	DSI1			Right Tilt	0	376000	1880	1	1	0.10	0.815	16.43	17.00	1.140	0.929	/
	DSI1			Left Cheek	0	376000	1880	108	0	-0.08	0.479	16.35	17.00	1.161	0.556	/
	DSI1			Left Tilt	0	376000	1880	108	0	0.10	0.537	16.35	17.00	1.161	0.623	/
	DSI1			Right Cheek	0	376000	1880	108	0	0.03	0.653	16.35	17.00	1.161	0.758	/
	DSI1			Right Tilt	0	376000	1880	108	0	0.05	0.854	16.35	17.00	1.161	**0.991**	62#
	DSI1			Right Tilt	0	374000	1870	1	1	-0.09	0.825	16.38	17.00	1.153	0.951	/
	DSI1			Right Tilt	0	378000	1890	1	214	0.09	0.820	16.28	17.00	1.180	0.968	/
	DSI1			Right Tilt	0	374000	1870	108	108	0.05	0.817	16.32	17.00	1.169	0.955	/
	DSI1			Right Tilt	0	378000	1890	108	0	-0.07	0.821	16.23	17.00	1.194	0.980	/
	DSI1			Right Tilt	0	374000	1870	216	0	0.10	0.828	16.34	17.00	1.164	0.964	/
Ant.1	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	376000	1880	1	1	0.06	0.128	25.20	25.50	1.072	0.137	/
	DSI1			Left Tilt	0	376000	1880	1	1	-0.09	0.091	25.20	25.50	1.072	0.098	/
	DSI1			Right Cheek	0	376000	1880	1	1	-0.11	0.121	25.20	25.50	1.072	0.130	/
	DSI1			Right Tilt	0	376000	1880	1	1	-0.05	0.089	25.20	25.50	1.072	0.095	/
	DSI1			Left Cheek	0	378000	1890	108	54	0.08	0.124	25.02	25.50	1.117	0.139	/
	DSI1			Left Tilt	0	378000	1890	108	54	0.05	0.086	25.02	25.50	1.117	0.096	/
	DSI1			Right Cheek	0	378000	1890	108	54	0.08	0.122	25.02	25.50	1.117	0.136	/
	DSI1			Right Tilt	0	378000	1890	108	54	0.10	0.084	25.02	25.50	1.117	0.094	/
Body-worn																
Ant.4	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	378000	1890	1	1	-0.07	0.350	24.17	25.50	1.358	**0.475**	63#
	DSI3			Back Side	15	378000	1890	1	1	-0.12	0.160	21.28	22.00	1.180	0.189	/
	DSI4			Front Side	15	374000	1870	108	54	0.08	0.320	23.98	25.50	1.419	0.454	/
	DSI3			Back Side	15	374000	1870	108	108	-0.12	0.162	21.37	22.00	1.156	0.187	/
Ant.1	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	376000	1880	1	1	0.05	0.318	25.20	25.50	1.072	0.341	/
	DSI2			Back Side	15	376000	1880	1	1	-0.05	0.194	21.07	22.00	1.239	0.240	/
	DSI4			Front Side	15	378000	1890	108	54	0.02	0.301	25.02	25.50	1.117	0.336	/
	DSI2			Back Side	15	374000	1870	108	0	-0.04	0.163	20.98	22.00	1.265	0.206	/
Hotspot																
Ant.4	DSI5	DFT-s-OFD	SA	Front Side	10	378000	1890	1	1	-0.04	0.383	21.28	22.00	1.180	0.452	/
	DSI5			Back Side	10	378000	1890	1	1	-0.02	0.426	21.28	22.00	1.180	0.503	/
	DSI5			Left Edge	10	378000	1890	1	1	-0.07	0.053	21.28	22.00	1.180	0.063	/
	DSI5			Top Edge	10	378000	1890	1	1	0.03	0.661	21.28	22.00	1.180	**0.780**	64#

	DSI5	M BPSK		Front Side	10	374000	1870	108	108	0.10	0.327	21.37	22.00	1.156	0.378	/
	DSI5			Back Side	10	374000	1870	108	108	0.10	0.366	21.37	22.00	1.156	0.423	/
	DSI5			Left Edge	10	374000	1870	108	108	0.05	0.042	21.37	22.00	1.156	0.049	/
	DSI5			Top Edge	10	374000	1870	108	108	0.01	0.625	21.37	22.00	1.156	0.723	/
Ant.1	DSI3	DFT-s-OFDM BPSK	SA	Front Side	10	376000	1880	1	1	0.07	0.264	21.07	22.00	1.239	0.327	/
	DSI3			Back Side	10	376000	1880	1	1	0.07	0.286	21.07	22.00	1.239	0.354	/
	DSI3			Left Edge	10	376000	1880	1	1	0.05	0.092	21.07	22.00	1.239	0.114	/
	DSI3			Right Edge	10	376000	1880	1	1	-0.02	0.025	21.07	22.00	1.239	0.031	/
	DSI3			Bottom Edge	10	376000	1880	1	1	0.01	0.503	21.07	22.00	1.239	0.623	/
	DSI3			Front Side	10	374000	1870	108	0	0.03	0.266	20.98	22.00	1.265	0.336	/
	DSI3			Back Side	10	374000	1870	108	0	-0.10	0.280	20.98	22.00	1.265	0.354	/
	DSI3			Left Edge	10	374000	1870	108	0	0.05	0.095	20.98	22.00	1.265	0.120	/
	DSI3			Right Edge	10	374000	1870	108	0	0.10	0.023	20.98	22.00	1.265	0.029	/
	DSI3			Bottom Edge	10	374000	1870	108	0	-0.03	0.504	20.98	22.00	1.265	0.638	/
Body (Sensor-1)																
Ant.4	DSI4	DFT-s-OFDM BPSK	SA	Front Side	14	378000	1890	1	1	-0.11	0.372	24.17	25.50	1.358	0.505	/
	DSI4			Back Side	16	378000	1890	1	1	0.10	0.270	24.17	25.50	1.358	0.367	/
	DSI4			Left Edge	11	378000	1890	1	1	-0.06	0.105	24.17	25.50	1.358	0.143	/
	DSI4			Top Edge	15	378000	1890	1	1	0.06	0.703	24.17	25.50	1.358	0.955	/
	DSI4			Front Side	14	374000	1870	108	54	0.10	0.361	23.98	25.50	1.419	0.512	/
	DSI4			Back Side	16	374000	1870	108	54	0.01	0.254	23.98	25.50	1.419	0.360	/
	DSI4			Left Edge	11	374000	1870	108	54	0.07	0.096	23.98	25.50	1.419	0.136	/
	DSI4			Top Edge	15	374000	1870	108	54	0.01	0.675	23.98	25.50	1.419	0.958	/
	DSI4			Top Edge	15	374000	1870	1	1	-0.07	0.685	24.12	25.50	1.374	0.941	/
	DSI4			Top Edge	15	376000	1880	1	1	0.01	0.691	24.16	25.50	1.361	0.940	/
	DSI4			Top Edge	15	376000	1880	108	54	-0.11	0.685	23.86	25.50	1.459	0.999	/
	DSI4			Top Edge	15	378000	1890	108	54	0.05	0.674	23.92	25.50	1.439	0.970	/
	DSI4			Top Edge	15	376000	1880	216	0	0.07	0.641	23.42	24.50	1.282	0.822	/
Ant.1	DSI4	DFT-s-OFDM BPSK	SA	Front Side	9	376000	1880	1	1	0.10	0.683	25.20	25.50	1.072	0.732	/
	DSI4			Back Side	16	376000	1880	1	1	0.07	0.291	25.20	25.50	1.072	0.312	/
	DSI4			Bottom Edge	15	376000	1880	1	1	-0.08	0.506	25.20	25.50	1.072	0.542	/
	DSI4			Front Side	9	378000	1890	108	54	0.02	0.690	25.02	25.50	1.117	0.771	/
	DSI4			Back Side	16	378000	1890	108	54	-0.11	0.278	25.02	25.50	1.117	0.311	/
	DSI4			Bottom Edge	15	378000	1890	108	54	-0.02	0.512	25.02	25.50	1.117	0.572	/

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																
Ant.4	DSI3	DFT-s-OFDM BPSK	SA	Top Edge	0	378000	1890	1	1	-0.10	2.170	21.28	22.00	1.180	**2.561**	65#
	DSI3			Top Edge	0	374000	1870	108	108	0.02	2.050	21.37	22.00	1.156	2.370	/
	DSI3			Top Edge	0	374000	1870	1	1	0.03	2.080	21.23	22.00	1.194	2.484	/
	DSI3			Top Edge	0	376000	1880	1	1	-0.09	2.150	21.26	22.00	1.186	2.550	/
	DSI3			Top Edge	0	376000	1880	108	0	0.09	2.010	21.31	22.00	1.172	2.356	/
	DSI3			Top Edge	0	378000	1890	108	0	0.12	2.000	21.17	22.00	1.211	2.422	/
	DSI3			Top Edge	0	374000	1870	216	0	-0.04	1.950	21.23	22.00	1.194	2.328	/
Ant.1	DSI2	DFT-s-OFDM BPSK	SA	Bottom Edge	0	376000	1880	1	1	-0.07	1.900	21.07	22.00	1.239	2.354	/
	DSI2			Bottom Edge	0	374000	1870	108	0	-0.12	1.680	20.98	22.00	1.265	2.125	/
	DSI2			Bottom Edge	0	374000	1870	1	1	-0.11	1.960	21.00	22.00	1.259	2.468	/
	DSI2			Bottom Edge	0	378000	1890	1	1	0.01	1.940	20.96	22.00	1.271	2.466	/
	DSI2			Bottom Edge	0	376000	1880	108	0	-0.04	1.680	20.86	22.00	1.300	2.184	/
	DSI2			Bottom Edge	0	378000	1890	108	0	-0.07	1.700	20.79	22.00	1.321	2.246	/
	DSI2			Bottom Edge	0	376000	1880	216	0	0.03	1.640	20.68	22.00	1.355	2.222	/

11.26 5G n5 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.4	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	167300	836.5	1	1	0.08	0.565	22.54	23.50	1.247	0.705	/
	DSI1			Left Tilt	0	167300	836.5	1	1	0.07	0.449	22.54	23.50	1.247	0.560	/
	DSI1			Right Cheek	0	167300	836.5	1	1	-0.06	0.778	22.54	23.50	1.247	0.970	/
	DSI1			Right Tilt	0	167300	836.5	1	1	0.08	0.691	22.54	23.50	1.247	0.862	/
	DSI1			Left Cheek	0	167800	839	50	28	-0.01	0.570	22.53	23.50	1.250	0.713	/
	DSI1			Left Tilt	0	167800	839	50	28	-0.07	0.435	22.53	23.50	1.250	0.544	/
	DSI1			Right Cheek	0	167800	839	50	28	-0.01	0.786	22.53	23.50	1.250	**0.983**	66#
	DSI1			Right Tilt	0	167800	839	50	28	-0.04	0.695	22.53	23.50	1.250	0.869	/
	DSI1			Right Cheek	0	166800	834	1	53	-0.02	0.759	22.46	23.50	1.271	0.965	/
	DSI1			Right Cheek	0	167800	839	1	53	-0.02	0.730	22.45	23.50	1.274	0.930	/
	DSI1			Right Cheek	0	166800	834	50	0	-0.05	0.775	22.52	23.50	1.253	0.971	/
	DSI1			Right Cheek	0	167300	836.5	50	0	-0.08	0.731	22.41	23.50	1.285	0.939	/
	DSI1			Right Cheek	0	167300	836.5	100	0	-0.12	0.758	22.48	23.50	1.265	0.959	/
	DSI1			Right Tilt	0	166800	834	1	53	0.11	0.664	22.46	23.50	1.271	0.844	/
	DSI1			Right Tilt	0	167800	839	1	53	-0.05	0.642	22.45	23.50	1.274	0.818	/
	DSI1			Right Tilt	0	166800	834	50	0	0.07	0.681	22.52	23.50	1.253	0.853	/
	DSI1			Right Tilt	0	167300	836.5	50	0	-0.01	0.643	22.41	23.50	1.285	0.826	/
	DSI1			Right Tilt	0	167300	836.5	100	0	0.00	0.654	22.48	23.50	1.265	0.827	/
Ant.0	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	167300	836.5	1	1	-0.05	0.145	24.62	25.50	1.225	0.178	/
	DSI1			Left Tilt	0	167300	836.5	1	1	0.02	0.063	24.62	25.50	1.225	0.077	/
	DSI1			Right Cheek	0	167300	836.5	1	1	0.07	0.151	24.62	25.50	1.225	0.185	/
	DSI1			Right Tilt	0	167300	836.5	1	1	0.02	0.078	24.62	25.50	1.225	0.096	/
	DSI1			Left Cheek	0	167300	836.5	50	28	0.05	0.139	24.56	25.50	1.242	0.173	/
	DSI1			Left Tilt	0	167300	836.5	50	28	-0.05	0.059	24.56	25.50	1.242	0.073	/
	DSI1			Right Cheek	0	167300	836.5	50	28	-0.12	0.148	24.56	25.50	1.242	0.184	/
	DSI1			Right Tilt	0	167300	836.5	50	28	0.11	0.073	24.56	25.50	1.242	0.091	/
Body-worn																
Ant.4	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	167300	836.5	1	1	-0.06	0.099	24.23	25.50	1.340	0.133	/
	DSI3			Back Side	15	167300	836.5	1	1	-0.04	0.116	24.23	25.50	1.340	**0.155**	67#
	DSI4			Front Side	15	167300	836.5	50	28	-0.09	0.095	24.12	25.50	1.374	0.131	/
	DSI3			Back Side	15	167300	836.5	50	28	-0.09	0.112	24.12	25.50	1.374	0.154	/
Ant.0	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	167300	836.5	1	1	-0.09	0.069	24.62	25.50	1.225	0.085	/
	DSI2			Back Side	15	167300	836.5	1	1	0.02	0.101	24.62	25.50	1.225	0.124	/
	DSI4			Front Side	15	167300	836.5	50	28	-0.10	0.067	24.56	25.50	1.242	0.083	/
	DSI2			Back Side	15	167300	836.5	50	28	-0.11	0.096	24.56	25.50	1.242	0.119	/
Hotspot																

Ant.4	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	167300	836.5	1	1	0.08	0.174	24.23	25.50	1.340	0.233	/
	DSI5			Back Side	10	167300	836.5	1	1	-0.08	0.228	24.23	25.50	1.340	**0.306**	68#
	DSI5			Left Edge	10	167300	836.5	1	1	-0.09	0.048	24.23	25.50	1.340	0.064	/
	DSI5			Top Edge	10	167300	836.5	1	1	-0.12	0.136	24.23	25.50	1.340	0.182	/
	DSI5			Front Side	10	167300	836.5	50	28	0.02	0.164	24.12	25.50	1.374	0.225	/
	DSI5			Back Side	10	167300	836.5	50	28	0.08	0.221	24.12	25.50	1.374	0.304	/
	DSI5			Left Edge	10	167300	836.5	50	28	-0.03	0.040	24.12	25.50	1.374	0.055	/
	DSI5			Top Edge	10	167300	836.5	50	28	0.03	0.124	24.12	25.50	1.374	0.170	/
Ant.0	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	167300	836.5	1	1	0.04	0.131	24.62	25.50	1.225	0.160	/
	DSI5			Back Side	10	167300	836.5	1	1	0.11	0.208	24.62	25.50	1.225	0.255	/
	DSI5			Left Edge	10	167300	836.5	1	1	-0.06	0.056	24.62	25.50	1.225	0.069	/
	DSI5			Right Edge	10	167300	836.5	1	1	0.11	0.154	24.62	25.50	1.225	0.189	/
	DSI5			Bottom Edge	10	167300	836.5	1	1	0.10	0.152	24.62	25.50	1.225	0.186	/
	DSI5			Front Side	10	167300	836.5	50	28	-0.04	0.134	24.56	25.50	1.242	0.166	/
	DSI5			Back Side	10	167300	836.5	50	28	0.01	0.213	24.56	25.50	1.242	0.265	/
	DSI5			Left Edge	10	167300	836.5	50	28	-0.01	0.059	24.56	25.50	1.242	0.073	/
	DSI5			Right Edge	10	167300	836.5	50	28	-0.05	0.154	24.56	25.50	1.242	0.191	/
	DSI5			Bottom Edge	10	167300	836.5	50	28	-0.01	0.156	24.56	25.50	1.242	0.194	/

11.27 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	507000	2535	1	1	0.01	0.263	19.45	20.50	1.274	0.335	/
	DSI1			Left Tilt	0	507000	2535	1	1	0.03	0.351	19.45	20.50	1.274	0.447	/
	DSI1			Right Cheek	0	507000	2535	1	1	0.08	0.635	19.45	20.50	1.274	0.809	/
	DSI1			Right Tilt	0	507000	2535	1	1	-0.02	0.625	19.45	20.50	1.274	0.796	/
	DSI1			Left Cheek	0	509000	2545	135	135	0.06	0.279	19.44	20.50	1.276	0.356	/
	DSI1			Left Tilt	0	509000	2545	135	135	-0.03	0.265	19.44	20.50	1.276	0.338	/
	DSI1			Right Cheek	0	509000	2545	135	135	0.09	0.631	19.44	20.50	1.276	0.805	/
	DSI1			Right Tilt	0	509000	2545	135	135	-0.09	0.618	19.44	20.50	1.276	0.789	/
	DSI1			Right Cheek	0	505000	2525	1	1	0.08	0.629	19.40	20.50	1.288	0.810	/
	DSI1			Right Cheek	0	509000	2545	1	135	-0.05	0.625	19.37	20.50	1.297	**0.811**	69#
	DSI1			Right Cheek	0	505000	2525	135	0	-0.06	0.627	19.39	20.50	1.291	0.809	/
	DSI1			Right Cheek	0	507000	2535	135	68	-0.11	0.617	19.32	20.50	1.312	0.810	/
	DSI1			Right Cheek	0	505000	2525	270	0	0.02	0.621	19.36	20.50	1.300	0.807	/
Ant.1	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	509000	2545	1	268	-0.07	0.176	24.95	25.50	1.135	0.200	/
	DSI1			Left Tilt	0	509000	2545	1	268	0.05	0.074	24.95	25.50	1.135	0.084	/
	DSI1			Right Cheek	0	509000	2545	1	268	-0.09	0.109	24.95	25.50	1.135	0.124	/
	DSI1			Right Tilt	0	509000	2545	1	268	0.05	0.048	24.95	25.50	1.135	0.054	/
	DSI1			Left Cheek	0	509000	2545	135	68	0.09	0.181	25.00	25.50	1.122	0.203	/
	DSI1			Left Tilt	0	509000	2545	135	68	-0.12	0.072	25.00	25.50	1.122	0.081	/
	DSI1			Right Cheek	0	509000	2545	135	68	0.02	0.103	25.00	25.50	1.122	0.116	/
	DSI1			Right Tilt	0	509000	2545	135	68	-0.05	0.046	25.00	25.50	1.122	0.052	/
Body-worn																
Ant.4	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	507000	2535	1	135	0.04	0.133	24.06	25.50	1.393	0.185	/
	DSI3			Back Side	15	507000	2535	1	268	0.06	0.156	22.44	23.50	1.276	0.199	/
	DSI4			Front Side	15	505000	2525	135	68	0.10	0.123	24.05	25.50	1.396	0.172	/
	DSI3			Back Side	15	509000	2545	135	135	-0.01	0.152	22.41	23.50	1.285	0.195	/
Ant.1	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	509000	2545	1	268	-0.08	0.183	24.95	25.50	1.135	**0.208**	70#
	DSI2			Back Side	15	507000	2535	1	1	-0.10	0.125	22.35	23.00	1.161	0.145	/
	DSI4			Front Side	15	509000	2545	135	68	0.01	0.174	25.00	25.50	1.122	0.195	/
	DSI2			Back Side	15	505000	2525	135	68	0.06	0.112	22.44	23.00	1.138	0.127	/
Hotspot																
Ant.4	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	507000	2535	1	268	0.01	0.369	22.44	23.50	1.276	0.471	/
	DSI5			Back Side	10	507000	2535	1	268	-0.04	0.602	22.44	23.50	1.276	0.768	/
	DSI5			Left Edge	10	507000	2535	1	268	0.04	0.232	22.44	23.50	1.276	0.296	/
	DSI5			Top Edge	10	507000	2535	1	268	0.01	0.727	22.44	23.50	1.276	0.928	/
	DSI5			Front Side	10	509000	2545	135	135	0.12	0.348	22.41	23.50	1.285	0.447	/

	DSI5			Back Side	10	509000	2545	135	135	-0.12	0.603	22.41	23.50	1.285	0.775	/
	DSI5			Left Edge	10	509000	2545	135	135	0.05	0.219	22.41	23.50	1.285	0.281	/
	DSI5			Top Edge	10	509000	2545	135	135	0.09	0.748	22.41	23.50	1.285	0.961	/
	DSI5			Top Edge	10	505000	2525	1	268	0.08	0.752	22.42	23.50	1.282	0.964	/
	DSI5			Top Edge	10	509000	2545	1	268	0.00	0.775	22.43	23.50	1.279	**0.991**	71#
	DSI5			Top Edge	10	505000	2525	135	135	-0.11	0.730	22.23	23.50	1.340	0.978	/
	DSI5			Top Edge	10	507000	2535	135	135	-0.05	0.740	22.32	23.50	1.312	0.971	/
	DSI5			Top Edge	10	505000	2525	270	0	-0.03	0.731	22.33	23.50	1.309	0.957	/
Ant.1	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	507000	2535	1	1	0.01	0.286	22.35	23.00	1.161	0.332	/
	DSI5			Back Side	10	507000	2535	1	1	-0.10	0.326	22.35	23.00	1.161	0.378	/
	DSI5			Left Edge	10	507000	2535	1	1	0.05	0.099	22.35	23.00	1.161	0.115	/
	DSI5			Right Edge	10	507000	2535	1	1	-0.07	0.074	22.35	23.00	1.161	0.086	/
	DSI5			Bottom Edge	10	507000	2535	1	1	-0.12	0.448	22.35	23.00	1.161	0.520	/
	DSI5			Front Side	10	505000	2525	135	68	0.01	0.277	22.44	23.00	1.138	0.315	/
	DSI5			Back Side	10	505000	2525	135	68	0.00	0.323	22.44	23.00	1.138	0.368	/
	DSI5			Left Edge	10	505000	2525	135	68	0.00	0.098	22.44	23.00	1.138	0.112	/
	DSI5			Right Edge	10	505000	2525	135	68	0.04	0.071	22.44	23.00	1.138	0.081	/
	DSI5			Bottom Edge	10	505000	2525	135	68	0.03	0.460	22.44	23.00	1.138	0.523	/
Body (Sensor-1)																
Ant.4	DSI4	DFT-s-OFDM BPSK	SA	Front Side	14	507000	2535	1	135	0.04	0.162	24.06	25.50	1.393	0.226	/
	DSI4			Back Side	16	507000	2535	1	135	0.09	0.256	24.06	25.50	1.393	0.357	/
	DSI4			Left Edge	11	507000	2535	1	135	0.04	0.286	24.06	25.50	1.393	0.398	/
	DSI4			Top Edge	15	507000	2535	1	135	-0.07	0.415	24.06	25.50	1.393	0.578	/
	DSI4			Front Side	14	505000	2525	135	68	0.11	0.158	24.05	25.50	1.396	0.221	/
	DSI4			Back Side	16	505000	2525	135	68	0.05	0.241	24.05	25.50	1.396	0.336	/
	DSI4			Left Edge	11	505000	2525	135	68	-0.03	0.264	24.05	25.50	1.396	0.369	/
	DSI4			Top Edge	15	505000	2525	135	68	0.08	0.403	24.05	25.50	1.396	0.563	/
Ant.1	DSI4	DFT-s-OFDM BPSK	SA	Front Side	9	509000	2545	1	268	-0.02	0.472	24.68	25.50	1.208	0.570	/
	DSI4			Back Side	16	509000	2545	1	268	-0.05	0.175	24.68	25.50	1.208	0.211	/
	DSI4			Bottom Edge	15	509000	2545	1	268	-0.02	0.381	24.68	25.50	1.208	0.460	/
	DSI4			Front Side	9	509000	2545	135	68	0.05	0.460	24.78	25.50	1.180	0.543	/
	DSI4			Back Side	16	509000	2545	135	68	0.03	0.171	24.78	25.50	1.180	0.202	/
	DSI4			Bottom Edge	15	509000	2545	135	68	0.07	0.372	24.78	25.50	1.180	0.439	/

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																
Ant.4	DSI3	DFT-s-OFDM BPSK	SA	Top Edge	0	507000	2535	1	268	-0.02	1.700	22.44	23.50	1.276	2.169	/
	DSI3			Top Edge	0	509000	2545	135	135	-0.03	1.620	22.41	23.50	1.285	2.082	/
	DSI3			Top Edge	0	505000	2525	1	268	0.08	1.670	22.42	23.50	1.282	2.141	/
	DSI3			Top Edge	0	509000	2545	1	268	-0.09	1.730	22.43	23.50	1.279	2.213	/
	DSI3			Top Edge	0	505000	2525	135	135	0.03	1.530	22.23	23.50	1.340	2.050	/
	DSI3			Top Edge	0	507000	2535	135	135	-0.06	1.590	22.32	23.50	1.312	2.086	/
	DSI3			Top Edge	0	505000	2525	270	0	0.08	1.560	22.33	23.50	1.309	2.042	/
Ant.1	DSI2	DFT-s-OFDM BPSK	SA	Bottom Edge	0	507000	2535	1	268	0.12	1.900	21.35	22.00	1.161	2.206	/
	DSI2			Bottom Edge	0	505000	2525	135	68	-0.04	1.750	21.44	22.00	1.138	1.992	/
	DSI2			Bottom Edge	0	505000	2525	1	1	0.11	1.900	21.31	22.00	1.172	**2.227**	72#
	DSI2			Bottom Edge	0	509000	2545	1	1	-0.03	1.890	21.34	22.00	1.164	2.200	/
	DSI2			Bottom Edge	0	507000	2535	135	135	-0.04	1.760	21.34	22.00	1.164	2.049	/
	DSI2			Bottom Edge	0	509000	2545	135	135	-0.01	1.660	21.29	22.00	1.178	1.955	/
	DSI2			Bottom Edge	0	507000	2535	270	0	0.04	1.580	21.24	22.00	1.191	1.882	/

11.28 Worst Case for 25098RA98G of 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.
Hotspot-Worst Case for Bracket																
Ant.4	DSI5	DFT-s-OFDM BPSK	SA	Top Edge	10	509000	2545	1	268	-0.07	0.747	22.43	23.50	1.279	**0.955**	130#
Hotspot-Worst Case for Secondary supply																
Ant.4	DSI5	DFT-s-OFDM BPSK	SA	Top Edge	10	509000	2545	1	268	-0.08	0.751	22.43	23.50	1.279	**0.961**	131#
Hotspot-Worst Case for Three supply																
Ant.4	DSI5	DFT-s-OFDM BPSK	SA	Top Edge	10	509000	2545	1	268	0.00	0.766	22.43	23.50	1.279	**0.980**	132#

11.29 Worst Case for 25118PC98G of 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.
Hotspot-Worst Case for 25118PC98G																
Ant.4	DSI5	DFT-s-OFDM BPSK	SA	Top Edge	10	509000	2545	1	268	-0.04	0.745	22.43	23.50	1.279	**0.953**	156#

11.30 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	1	-0.04	0.481	17.67	18.50	1.211	0.582	/
	DSI1			Left Tilt	0	349000	1745	1	1	0.10	0.495	17.67	18.50	1.211	0.599	/
	DSI1			Right Cheek	0	349000	1745	1	1	-0.04	0.610	17.67	18.50	1.211	0.739	/
	DSI1			Right Tilt	0	349000	1745	1	1	0.05	0.706	17.67	18.50	1.211	0.855	/
	DSI1			Left Cheek	0	351500	1757.5	120	0	0.08	0.493	17.82	18.50	1.169	0.576	/
	DSI1			Left Tilt	0	351500	1757.5	120	0	0.06	0.501	17.82	18.50	1.169	0.586	/
	DSI1			Right Cheek	0	351500	1757.5	120	0	-0.11	0.625	17.82	18.50	1.169	0.731	/
	DSI1			Right Tilt	0	351500	1757.5	120	0	-0.02	0.738	17.82	18.50	1.169	**0.863**	73#
	DSI1			Right Tilt	0	346500	1732.5	1	123	0.08	0.668	17.64	18.50	1.219	0.814	/
	DSI1			Right Tilt	0	351500	1757.5	1	1	-0.03	0.682	17.60	18.50	1.230	0.839	/
	DSI1			Right Tilt	0	346500	1732.5	120	0	0.07	0.675	17.75	18.50	1.189	0.803	/
	DSI1			Right Tilt	0	349000	1745	120	125	0.12	0.693	17.68	18.50	1.208	0.837	/
	DSI1			Right Tilt	0	346500	1732.5	243	0	-0.11	0.690	17.64	18.50	1.219	0.841	/
Ant.1	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	349000	1745	1	243	-0.05	0.125	24.68	25.50	1.208	0.151	/
	DSI1			Left Tilt	0	349000	1745	1	243	-0.05	0.063	24.68	25.50	1.208	0.076	/
	DSI1			Right Cheek	0	349000	1745	1	243	-0.03	0.129	24.68	25.50	1.208	0.156	/
	DSI1			Right Tilt	0	349000	1745	1	243	0.10	0.057	24.68	25.50	1.208	0.069	/
	DSI1			Left Cheek	0	346500	1732.5	120	63	0.09	0.118	24.78	25.50	1.180	0.139	/
	DSI1			Left Tilt	0	346500	1732.5	120	63	-0.11	0.056	24.78	25.50	1.180	0.066	/
	DSI1			Right Cheek	0	346500	1732.5	120	63	-0.09	0.124	24.78	25.50	1.180	0.146	/
	DSI1			Right Tilt	0	346500	1732.5	120	63	0.08	0.054	24.78	25.50	1.180	0.064	/
Body-worn																
Ant.4	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	346500	1732.5	1	123	0.10	0.135	23.68	25.50	1.521	0.205	/
	DSI3			Back Side	15	349000	1745	1	123	-0.01	0.082	20.69	21.50	1.205	0.099	/
	DSI4			Front Side	15	349000	1745	120	63	0.12	0.138	23.69	25.50	1.517	0.209	/
	DSI3			Back Side	15	351500	1757.5	120	125	-0.03	0.086	20.88	21.50	1.153	0.099	/
Ant.1	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	349000	1745	1	243	-0.02	0.275	24.68	25.50	1.208	**0.332**	74#
	DSI2			Back Side	15	349000	1745	1	1	0.11	0.172	21.48	22.00	1.127	0.194	/
	DSI4			Front Side	15	346500	1732.5	120	63	0.03	0.251	24.78	25.50	1.180	0.296	/
	DSI2			Back Side	15	351500	1757.5	120	63	-0.07	0.154	21.55	22.00	1.109	0.171	/
Hotspot																
Ant.4	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	349000	1745	1	123	-0.04	0.254	20.69	21.50	1.205	0.306	/
	DSI5			Back Side	10	349000	1745	1	123	-0.05	0.295	20.69	21.50	1.205	0.355	/
	DSI5			Left Edge	10	349000	1745	1	123	-0.10	0.031	20.69	21.50	1.205	0.037	/
	DSI5			Top Edge	10	349000	1745	1	123	0.07	0.443	20.69	21.50	1.205	0.534	/
	DSI5			Front Side	10	351500	1757.5	120	125	0.02	0.264	20.88	21.50	1.153	0.304	/

	DSI5			Back Side	10	351500	1757.5	120	125	0.06	0.310	20.88	21.50	1.153	0.357	/
	DSI5			Left Edge	10	351500	1757.5	120	125	0.03	0.033	20.88	21.50	1.153	0.038	/
	DSI5			Top Edge	10	351500	1757.5	120	125	0.01	0.487	20.88	21.50	1.153	**0.562**	75#
Ant.1	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	349000	1745	1	1	-0.09	0.319	21.48	22.00	1.127	0.360	/
	DSI5			Back Side	10	349000	1745	1	1	0.11	0.357	21.48	22.00	1.127	0.402	/
	DSI5			Left Edge	10	349000	1745	1	1	-0.03	0.091	21.48	22.00	1.127	0.103	/
	DSI5			Right Edge	10	349000	1745	1	1	-0.06	0.048	21.48	22.00	1.127	0.054	/
	DSI5			Bottom Edge	10	349000	1745	1	1	-0.04	0.471	21.48	22.00	1.127	0.531	/
	DSI5			Front Side	10	351500	1757.5	120	63	0.11	0.295	21.55	22.00	1.109	0.327	/
	DSI5			Back Side	10	351500	1757.5	120	63	0.10	0.342	21.55	22.00	1.109	0.379	/
	DSI5			Left Edge	10	351500	1757.5	120	63	-0.01	0.088	21.55	22.00	1.109	0.098	/
	DSI5			Right Edge	10	351500	1757.5	120	63	0.00	0.051	21.55	22.00	1.109	0.057	/
	DSI5			Bottom Edge	10	351500	1757.5	120	63	-0.06	0.487	21.55	22.00	1.109	0.540	/
Body (Sensor-1)																
Ant.4	DSI4	DFT-s-OFDM BPSK	SA	Front Side	14	346500	1732.5	1	123	-0.06	0.216	23.68	25.50	1.521	0.329	/
	DSI4			Back Side	16	346500	1732.5	1	123	-0.06	0.305	23.68	25.50	1.521	0.464	/
	DSI4			Left Edge	11	346500	1732.5	1	123	0.04	0.074	23.68	25.50	1.521	0.113	/
	DSI4			Top Edge	15	346500	1732.5	1	123	-0.04	0.445	23.68	25.50	1.521	0.677	/
	DSI4			Front Side	14	349000	1745	120	63	0.00	0.210	23.69	25.50	1.517	0.319	/
	DSI4			Back Side	16	349000	1745	120	63	0.07	0.298	23.69	25.50	1.517	0.452	/
	DSI4			Left Edge	11	349000	1745	120	63	0.07	0.075	23.69	25.50	1.517	0.114	/
	DSI4			Top Edge	15	349000	1745	120	63	-0.09	0.432	23.69	25.50	1.517	0.655	/
Ant.1	DSI4	DFT-s-OFDM BPSK	SA	Front Side	9	349000	1745	1	243	-0.09	0.579	24.68	25.50	1.208	0.699	/
	DSI4			Back Side	16	349000	1745	1	243	-0.06	0.284	24.68	25.50	1.208	0.343	/
	DSI4			Bottom Edge	15	349000	1745	1	243	-0.06	0.483	24.68	25.50	1.208	0.583	/
	DSI4			Front Side	9	346500	1732.5	120	63	-0.04	0.582	24.78	25.50	1.180	0.687	/
	DSI4			Back Side	16	346500	1732.5	120	63	-0.05	0.279	24.78	25.50	1.180	0.329	/
	DSI4			Bottom Edge	15	346500	1732.5	120	63	-0.03	0.491	24.78	25.50	1.180	0.579	/

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																
Ant.4	DSI3	DFT-s-OFDM BPSK	SA	Top Edge	0	349000	1745	1	123	-0.05	1.970	20.69	21.50	1.205	2.374	/
	DSI3			Top Edge	0	351500	1757.5	120	125	0.01	1.960	20.88	21.50	1.153	2.260	/
	DSI3			Top Edge	0	346500	1732.5	1	123	-0.12	1.980	20.63	21.50	1.222	2.420	/
	DSI3			Top Edge	0	351500	1757.5	1	1	0.00	1.950	20.56	21.50	1.242	**2.422**	76#
	DSI3			Top Edge	0	346500	1732.5	120	125	-0.06	1.870	20.84	21.50	1.164	2.177	/
	DSI3			Top Edge	0	351500	1757.5	120	125	-0.10	1.920	20.72	21.50	1.197	2.298	/
	DSI3			Top Edge	0	346500	1732.5	243	0	0.12	1.860	20.65	21.50	1.216	2.262	/
Ant.1	DSI3		SA	Bottom Edge	0	349000	1745	1	1	-0.07	1.580	21.48	22.00	1.127	1.781	/

	DSI3	DFT-s-OFDM BPSK		Bottom Edge	0	351500	1757.5	120	63	0.04	1.480	21.55	22.00	1.109	1.641	/

11.31 Worst Case for 25118PC98G of 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-Worst Case for 25118PC98G																
Ant.4	DSI1	DFT-s-OFDM BPSK	SA	Right Tilt	0	351500	1757.5	120	0	0.03	0.740	17.82	18.50	1.169	**0.865**	150#
Body-worn-Worst Case for 25118PC98G																
Ant.1	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	349000	1745	1	243	0.01	0.208	24.68	25.50	1.208	**0.251**	151#
Hotspot-Worst Case for 25118PC98G																
Ant.4	DSI5	DFT-s-OFDM BPSK	SA	Top Edge	10	351500	1757.5	120	125	0.06	0.408	20.88	21.50	1.153	**0.470**	152#
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-Worst Case for 25118PC98G																
Ant.4	DSI3	DFT-s-OFDM BPSK	SA	Top Edge	0	351500	1757.5	1	1	0.05	1.530	20.56	21.50	1.242	**1.900**	153#

11.32 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	518000	2590	1	53	0.11	0.222	19.95	21.00	1.274	0.283	/
	DSI1			Left Tilt	0	518000	2590	1	53	-0.01	0.274	19.95	21.00	1.274	0.349	/
	DSI1			Right Cheek	0	518000	2590	1	53	-0.08	0.741	19.95	21.00	1.274	**0.944**	77#
	DSI1			Right Tilt	0	518000	2590	1	53	-0.06	0.641	19.95	21.00	1.274	0.817	/
	DSI1			Left Cheek	0	519000	2595	50	28	-0.07	0.218	19.96	21.00	1.271	0.277	/
	DSI1			Left Tilt	0	519000	2595	50	28	-0.01	0.265	19.96	21.00	1.271	0.337	/
	DSI1			Right Cheek	0	519000	2595	50	28	0.05	0.704	19.96	21.00	1.271	0.895	/
	DSI1			Right Tilt	0	519000	2595	50	28	-0.05	0.638	19.96	21.00	1.271	0.811	/
	DSI1			Right Cheek	0	519000	2595	1	53	-0.04	0.710	19.84	21.00	1.306	0.927	/
	DSI1			Right Cheek	0	520000	2600	1	53	0.10	0.705	19.75	21.00	1.334	0.940	/
	DSI1			Right Cheek	0	518000	2590	50	0	-0.04	0.705	19.96	21.00	1.271	0.896	/
	DSI1			Right Cheek	0	520000	2600	50	0	-0.12	0.692	19.93	21.00	1.279	0.885	/
	DSI1			Right Cheek	0	518000	2590	100	0	0.03	0.710	19.92	21.00	1.282	0.910	/
	DSI1			Right Tilt	0	519000	2595	1	53	0.02	0.641	19.84	21.00	1.306	0.837	/
	DSI1			Right Tilt	0	520000	2600	1	53	-0.08	0.650	19.75	21.00	1.334	0.867	/
	DSI1			Right Tilt	0	518000	2590	50	0	-0.05	0.628	19.96	21.00	1.271	0.798	/
	DSI1			Right Tilt	0	520000	2600	50	0	0.08	0.617	19.93	21.00	1.279	0.789	/
	DSI1			Right Tilt	0	518000	2590	100	0	0.11	0.626	19.92	21.00	1.282	0.803	/
Ant.1	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	519000	2595	1	104	-0.04	0.126	25.12	25.50	1.091	0.137	/
	DSI1			Left Tilt	0	519000	2595	1	104	0.08	0.053	25.12	25.50	1.091	0.058	/
	DSI1			Right Cheek	0	519000	2595	1	104	-0.08	0.081	25.12	25.50	1.091	0.088	/
	DSI1			Right Tilt	0	519000	2595	1	104	0.02	0.039	25.12	25.50	1.091	0.043	/
	DSI1			Left Cheek	0	519000	2595	50	28	0.09	0.119	25.12	25.50	1.091	0.130	/
	DSI1			Left Tilt	0	519000	2595	50	28	0.02	0.046	25.12	25.50	1.091	0.050	/
	DSI1			Right Cheek	0	519000	2595	50	28	-0.05	0.075	25.12	25.50	1.091	0.082	/
	DSI1			Right Tilt	0	519000	2595	50	28	-0.01	0.037	25.12	25.50	1.091	0.040	/
Body-worn																
Ant.4	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	518000	2590	1	1	-0.05	0.187	24.17	25.50	1.358	0.254	/
	DSI3			Back Side	15	518000	2590	1	1	-0.12	0.273	24.17	25.50	1.358	0.371	/
	DSI4			Front Side	15	520000	2600	50	28	0.10	0.168	24.01	25.50	1.409	0.237	/
	DSI3			Back Side	15	520000	2600	50	28	0.08	0.243	24.01	25.50	1.409	0.342	/
Ant.1	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	519000	2595	1	104	-0.01	0.392	25.12	25.50	1.091	**0.428**	78#
	DSI2			Back Side	15	519000	2595	1	104	-0.04	0.342	22.09	22.50	1.099	0.376	/
	DSI4			Front Side	15	519000	2595	50	28	0.06	0.368	25.12	25.50	1.091	0.401	/
	DSI2			Back Side	15	519000	2595	50	28	-0.09	0.330	22.17	22.50	1.079	0.356	/
Hotspot																

Ant.4	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	518000	2590	1	1	-0.03	0.265	24.17	25.50	1.358	0.360	/
	DSI5			Back Side	10	518000	2590	1	1	0.03	0.436	24.17	25.50	1.358	0.592	/
	DSI5			Left Edge	10	518000	2590	1	1	0.08	0.263	24.17	25.50	1.358	0.357	/
	DSI5			Top Edge	10	518000	2590	1	1	0.02	0.428	24.17	25.50	1.358	0.581	/
	DSI5			Front Side	10	520000	2600	50	28	-0.04	0.269	24.01	25.50	1.409	0.379	/
	DSI5			Back Side	10	520000	2600	50	28	-0.06	0.433	24.01	25.50	1.409	**0.610**	79#
	DSI5			Left Edge	10	520000	2600	50	28	0.06	0.264	24.01	25.50	1.409	0.372	/
	DSI5			Top Edge	10	520000	2600	50	28	0.01	0.425	24.01	25.50	1.409	0.599	/
Ant.1	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	519000	2595	1	104	-0.06	0.313	22.09	22.50	1.099	0.344	/
	DSI5			Back Side	10	519000	2595	1	104	0.03	0.358	22.09	22.50	1.099	0.393	/
	DSI5			Left Edge	10	519000	2595	1	104	-0.10	0.094	22.09	22.50	1.099	0.103	/
	DSI5			Right Edge	10	519000	2595	1	104	0.01	0.056	22.09	22.50	1.099	0.062	/
	DSI5			Bottom Edge	10	519000	2595	1	104	0.02	0.473	22.09	22.50	1.099	0.520	/
	DSI5			Front Side	10	519000	2595	50	28	-0.12	0.316	22.17	22.50	1.079	0.341	/
	DSI5			Back Side	10	519000	2595	50	28	-0.06	0.362	22.17	22.50	1.079	0.391	/
	DSI5			Left Edge	10	519000	2595	50	28	0.05	0.098	22.17	22.50	1.079	0.106	/
	DSI5			Right Edge	10	519000	2595	50	28	0.08	0.054	22.17	22.50	1.079	0.058	/
	DSI5			Bottom Edge	10	519000	2595	50	0	0.01	0.482	22.17	22.50	1.079	0.520	/
Body (Sensor-1)																
Ant.1	DSI4	DFT-s-OFDM BPSK	SA	Front Side	9	519000	2595	1	104	-0.06	0.856	25.12	25.50	1.091	0.934	/
	DSI4			Back Side	16	519000	2595	1	104	0.07	0.405	25.12	25.50	1.091	0.442	/
	DSI4			Bottom Edge	15	519000	2595	1	104	-0.10	0.358	25.12	25.50	1.091	0.391	/
	DSI4			Front Side	9	519000	2595	50	28	0.08	0.690	25.12	25.50	1.091	0.753	/
	DSI4			Back Side	16	519000	2595	50	28	0.09	0.278	25.12	25.50	1.091	0.303	/
	DSI4			Bottom Edge	15	519000	2595	50	28	-0.07	0.512	25.12	25.50	1.091	0.559	/
	DSI4			Front Side	9	518000	2590	1	104	0.11	0.860	25.03	25.50	1.114	0.958	/
	DSI4			Front Side	9	520000	2600	1	53	0.00	0.401	25.00	25.50	1.122	0.450	/
	DSI4			Front Side	9	518000	2590	50	28	-0.01	0.339	24.97	25.50	1.130	0.383	/
	DSI4			Front Side	9	520000	2600	50	28	0.03	0.686	24.94	25.50	1.138	0.781	/
	DSI4			Front Side	9	519000	2595	100	0	0.09	0.601	24.50	24.50	1.000	0.601	/

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.1	DSI2	DFT-s-OFDM BPSK	SA	Bottom Edge	0	519000	2595	1	104	-0.02	1.940	22.09	22.50	1.099	**2.132**	80#
	DSI2			Bottom Edge	0	519000	2595	50	28	0.05	1.900	22.17	22.50	1.079	2.050	/
	DSI2			Bottom Edge	0	518000	2590	1	104	-0.12	1.860	21.99	22.50	1.125	2.093	/
	DSI2			Bottom Edge	0	520000	2600	1	53	-0.11	1.910	22.06	22.50	1.107	2.114	/
	DSI2			Bottom Edge	0	518000	2590	50	28	-0.02	1.830	22.03	22.50	1.114	2.039	/

	DSI2			Bottom Edge	0	520000	2600	50	28	-0.03	1.800	21.90	22.50	1.148	2.066	/
	DSI2			Bottom Edge	0	518000	2590	100	0	0.03	1.680	21.50	22.50	1.259	2.115	/

11.33 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	137	0.05	0.280	20.43	21.00	1.140	0.319	/
	DSI1			Left Tilt	0	509202	2546.01	1	137	0.04	0.325	20.43	21.00	1.140	0.371	/
	DSI1			Right Cheek	0	509202	2546.01	1	137	0.09	0.858	20.43	21.00	1.140	0.978	/
	DSI1			Right Tilt	0	509202	2546.01	1	137	0.06	0.816	20.43	21.00	1.140	0.930	/
	DSI1			Left Cheek	0	528000	2640	135	138	0.08	0.276	20.44	21.00	1.138	0.314	/
	DSI1			Left Tilt	0	528000	2640	135	138	0.04	0.322	20.44	21.00	1.138	0.366	/
	DSI1			Right Cheek	0	528000	2640	135	138	-0.02	0.854	20.44	21.00	1.138	0.972	/
	DSI1			Right Tilt	0	528000	2640	135	138	-0.10	0.805	20.44	21.00	1.138	0.916	/
	DSI1			Right Cheek	0	513900	2569.5	1	271	0.11	0.813	20.42	21.00	1.143	0.929	/
	DSI1			Right Cheek	0	518598	2592.99	1	137	-0.04	0.877	20.34	21.00	1.164	**1.021**	81#
	DSI1			Right Cheek	0	523302	2616.51	1	1	0.04	0.854	20.32	21.00	1.169	0.998	/
	DSI1			Right Cheek	0	528000	2640	1	271	0.01	0.825	20.36	21.00	1.159	0.956	/
	DSI1			Right Cheek	0	509202	2546.01	135	138	0.01	0.830	20.35	21.00	1.161	0.964	/
	DSI1			Right Cheek	0	513900	2569.5	135	69	0.11	0.818	20.42	21.00	1.143	0.935	/
	DSI1			Right Cheek	0	518598	2592.99	135	138	0.11	0.835	20.40	21.00	1.148	0.959	/
	DSI1			Right Cheek	0	523302	2616.51	135	0	0.08	0.827	20.35	21.00	1.161	0.960	/
	DSI1			Right Cheek	0	523302	2616.51	270	0	-0.06	0.821	20.44	21.00	1.138	0.934	/
	DSI1			Right Tilt	0	513900	2569.5	1	271	-0.09	0.756	20.42	21.00	1.143	0.864	/
	DSI1			Right Tilt	0	518598	2592.99	1	137	-0.08	0.818	20.34	21.00	1.164	0.952	/
	DSI1			Right Tilt	0	523302	2616.51	1	1	0.03	0.803	20.32	21.00	1.169	0.939	/
	DSI1			Right Tilt	0	528000	2640	1	271	-0.04	0.756	20.36	21.00	1.159	0.876	/
	DSI1			Right Tilt	0	509202	2546.01	135	138	0.00	0.780	20.35	21.00	1.161	0.906	/
	DSI1			Right Tilt	0	513900	2569.5	135	69	-0.04	0.768	20.42	21.00	1.143	0.878	/
	DSI1			Right Tilt	0	518598	2592.99	135	138	-0.07	0.752	20.40	21.00	1.148	0.863	/
	DSI1			Right Tilt	0	523302	2616.51	135	0	0.01	0.749	20.35	21.00	1.161	0.870	/
	DSI1			Right Tilt	0	523302	2616.51	270	0	-0.04	0.753	20.44	21.00	1.138	0.857	/
Ant.3	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	518598	2592.99	1	271	-0.05	0.629	21.85	22.50	1.161	0.730	/
	DSI1			Left Tilt	0	518598	2592.99	1	271	0.07	0.122	21.85	22.50	1.161	0.142	/
	DSI1			Right Cheek	0	518598	2592.99	1	271	-0.03	0.865	21.85	22.50	1.161	1.004	/
	DSI1			Right Tilt	0	518598	2592.99	1	271	0.01	0.166	21.85	22.50	1.161	0.193	/
	DSI1			Left Cheek	0	528000	2640	135	69	-0.06	0.621	21.64	22.50	1.219	0.757	/
	DSI1			Left Tilt	0	528000	2640	135	69	0.10	0.118	21.64	22.50	1.219	0.144	/
	DSI1			Right Cheek	0	528000	2640	135	69	-0.11	0.821	21.64	22.50	1.219	1.001	/
	DSI1			Right Tilt	0	528000	2640	135	69	-0.11	0.160	21.64	22.50	1.219	0.195	/
	DSI1			Right Cheek	0	509202	2546.01	1	271	-0.02	0.833	21.70	22.50	1.202	1.001	/
	DSI1			Right Cheek	0	513900	2569.5	1	271	0.08	0.820	21.65	22.50	1.216	0.997	/

	DSI1			Right Cheek	0	523302	2616.51	1	271	0.09	0.814	21.68	22.50	1.208	0.983	/
	DSI1			Right Cheek	0	528000	2640	1	271	0.02	0.820	21.63	22.50	1.222	1.002	/
	DSI1			Right Cheek	0	509202	2546.01	135	69	-0.07	0.808	21.60	22.50	1.230	0.994	/
	DSI1			Right Cheek	0	513900	2569.5	135	0	-0.08	0.796	21.58	22.50	1.236	0.984	/
	DSI1			Right Cheek	0	518598	2592.99	135	138	-0.12	0.775	21.53	22.50	1.250	0.969	/
	DSI1			Right Cheek	0	523302	2616.51	135	138	-0.07	0.801	21.59	22.50	1.233	0.988	/
	DSI1			Right Cheek	0	513900	2569.5	270	0	-0.05	0.745	21.30	22.50	1.318	0.982	/
Ant.1	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	513900	2569.5	1	271	-0.12	0.238	24.91	25.50	1.146	0.273	/
	DSI1			Left Tilt	0	513900	2569.5	1	271	-0.10	0.095	24.91	25.50	1.146	0.109	/
	DSI1			Right Cheek	0	513900	2569.5	1	271	-0.11	0.109	24.91	25.50	1.146	0.125	/
	DSI1			Right Tilt	0	513900	2569.5	1	271	-0.09	0.098	24.91	25.50	1.146	0.112	/
	DSI1			Left Cheek	0	509202	2546.01	135	69	0.00	0.225	25.00	25.50	1.122	0.252	/
	DSI1			Left Tilt	0	509202	2546.01	135	69	0.07	0.093	25.00	25.50	1.122	0.104	/
	DSI1			Right Cheek	0	509202	2546.01	135	69	0.07	0.105	25.00	25.50	1.122	0.118	/
	DSI1			Right Tilt	0	509202	2546.01	135	69	0.03	0.096	25.00	25.50	1.122	0.108	/
Ant.0	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	518598	2592.99	1	271	-0.06	0.049	21.62	22.50	1.225	0.060	/
	DSI1			Left Tilt	0	518598	2592.99	1	271	0.01	0.019	21.62	22.50	1.225	0.023	/
	DSI1			Right Cheek	0	518598	2592.99	1	271	0.03	0.067	21.62	22.50	1.225	0.082	/
	DSI1			Right Tilt	0	518598	2592.99	1	271	0.11	0.028	21.62	22.50	1.225	0.034	/
	DSI1			Left Cheek	0	528000	2640	135	69	0.00	0.046	21.68	22.50	1.208	0.056	/
	DSI1			Left Tilt	0	528000	2640	135	69	0.06	0.018	21.68	22.50	1.208	0.022	/
	DSI1			Right Cheek	0	528000	2640	135	69	0.04	0.063	21.68	22.50	1.208	0.076	/
	DSI1			Right Tilt	0	528000	2640	135	69	0.00	0.021	21.68	22.50	1.208	0.025	/
Body-worn																
Ant.4	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	523302	2616.51	1	137	0.06	0.179	23.75	25.50	1.496	0.268	/
	DSI3			Back Side	15	523302	2616.51	1	137	-0.10	0.263	23.75	25.50	1.496	0.393	/
	DSI4			Front Side	15	528000	2640	135	69	0.06	0.151	23.76	25.50	1.493	0.225	/
	DSI3			Back Side	15	528000	2640	135	69	0.12	0.221	23.76	25.50	1.493	0.330	/
Ant.3	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	518598	2592.99	1	271	0.00	0.177	22.84	23.50	1.164	0.206	/
	DSI3			Back Side	15	518598	2592.99	1	271	0.02	0.153	20.82	21.50	1.169	0.179	/
	DSI4			Front Side	15	528000	2640	135	69	0.10	0.168	22.63	23.50	1.222	0.205	/
	DSI3			Back Side	15	528000	2640	135	69	0.12	0.146	20.63	21.50	1.222	0.178	/
Ant.1	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	513900	2569.5	1	271	-0.01	0.415	24.91	25.50	1.146	**0.476**	82#
	DSI2			Back Side	15	509202	2546.01	1	271	-0.06	0.321	21.94	22.50	1.138	0.365	/
	DSI4			Front Side	15	509202	2546.01	135	69	0.07	0.386	25.00	25.50	1.122	0.433	/
	DSI2			Back Side	15	509202	2546.01	135	69	-0.06	0.304	22.06	22.50	1.107	0.337	/
Ant.0	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	518598	2592.99	1	271	0.08	0.043	21.62	22.50	1.225	0.053	/
	DSI2			Back Side	15	518598	2592.99	1	271	0.02	0.058	21.62	22.50	1.225	0.071	/
	DSI4			Front Side	15	528000	2640	135	69	0.12	0.039	21.68	22.50	1.208	0.047	/
	DSI2			Back Side	15	528000	2640	135	69	-0.08	0.051	21.68	22.50	1.208	0.062	/
Hotspot																
Ant.4	DSI5		SA	Front Side	10	523302	2616.51	1	137	0.06	0.221	23.75	25.50	1.496	0.331	/
	DSI5			Back Side	10	523302	2616.51	1	137	0.03	0.299	23.75	25.50	1.496	0.447	/

	DSI5	DFT-s-OFDM BPSK		Left Edge	10	523302	2616.51	1	137	0.10	0.182	23.75	25.50	1.496	0.272	/
	DSI5			Top Edge	10	523302	2616.51	1	137	-0.02	0.347	23.75	25.50	1.496	0.519	/
	DSI5			Front Side	10	528000	2640	135	69	-0.01	0.217	23.76	25.50	1.493	0.324	/
	DSI5			Back Side	10	528000	2640	135	69	-0.04	0.291	23.76	25.50	1.493	0.434	/
	DSI5			Left Edge	10	528000	2640	135	69	0.02	0.178	23.76	25.50	1.493	0.266	/
	DSI5			Top Edge	10	528000	2640	135	69	0.12	0.339	23.76	25.50	1.493	0.506	/
Ant.3	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	518598	2592.99	1	271	0.12	0.246	20.82	21.50	1.169	0.288	/
	DSI5			Back Side	10	518598	2592.99	1	271	0.01	0.385	20.82	21.50	1.169	0.450	/
	DSI5			Left Edge	10	518598	2592.99	1	271	-0.02	0.512	20.82	21.50	1.169	**0.599**	83#
	DSI5			Front Side	10	528000	2640	135	69	0.04	0.238	20.63	21.50	1.222	0.291	/
	DSI5			Back Side	10	528000	2640	135	69	-0.09	0.376	20.63	21.50	1.222	0.459	/
	DSI5			Left Edge	10	528000	2640	135	69	-0.04	0.483	20.63	21.50	1.222	0.590	/
Ant.1	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	509202	2546.01	1	271	0.02	0.242	21.94	22.50	1.138	0.275	/
	DSI5			Back Side	10	509202	2546.01	1	271	-0.11	0.285	21.94	22.50	1.138	0.324	/
	DSI5			Left Edge	10	509202	2546.01	1	271	0.00	0.080	21.94	22.50	1.138	0.091	/
	DSI5			Right Edge	10	509202	2546.01	1	271	0.12	0.049	21.94	22.50	1.138	0.056	/
	DSI5			Bottom Edge	10	509202	2546.01	1	271	-0.10	0.439	21.94	22.50	1.138	0.500	/
	DSI5			Front Side	10	509202	2546.01	135	69	0.03	0.246	22.06	22.50	1.107	0.272	/
	DSI5			Back Side	10	509202	2546.01	135	69	0.01	0.293	22.06	22.50	1.107	0.324	/
	DSI5			Left Edge	10	509202	2546.01	135	69	0.05	0.082	22.06	22.50	1.107	0.091	/
	DSI5			Right Edge	10	509202	2546.01	135	69	0.02	0.052	22.06	22.50	1.107	0.058	/
	DSI5			Bottom Edge	10	509202	2546.01	135	69	-0.11	0.459	22.06	22.50	1.107	0.508	/
Ant.0	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	518598	2592.99	1	271	0.09	0.153	24.91	25.50	1.146	0.175	/
	DSI5			Back Side	10	518598	2592.99	1	271	0.12	0.186	24.91	25.50	1.146	0.213	/
	DSI5			Left Edge	10	518598	2592.99	1	271	-0.09	0.003	24.91	25.50	1.146	0.003	/
	DSI5			Right Edge	10	518598	2592.99	1	271	0.04	0.189	24.91	25.50	1.146	0.217	/
	DSI5			Bottom Edge	10	518598	2592.99	1	271	0.06	0.135	24.91	25.50	1.146	0.155	/
	DSI5			Front Side	10	528000	2640	135	69	-0.06	0.148	25.00	25.50	1.122	0.166	/
	DSI5			Back Side	10	528000	2640	135	69	0.02	0.183	25.00	25.50	1.122	0.205	/
	DSI5			Left Edge	10	528000	2640	135	69	0.02	0.003	25.00	25.50	1.122	0.003	/
	DSI5			Right Edge	10	528000	2640	135	69	-0.10	0.186	25.00	25.50	1.122	0.209	/
	DSI5			Bottom Edge	10	528000	2640	135	69	-0.06	0.134	25.00	25.50	1.122	0.150	/
Body (Sensor-1)																
Ant.3	DSI4	DFT-s-OFDM BPSK	SA	Front Side	14	518598	2592.99	1	271	-0.03	0.259	22.84	23.50	1.164	0.301	/
	DSI4			Back Side	16	518598	2592.99	1	271	0.07	0.175	22.84	23.50	1.164	0.204	/
	DSI4			Left Edge	11	518598	2592.99	1	271	-0.01	0.819	22.84	23.50	1.164	0.953	/
	DSI4			Top Edge	15	518598	2592.99	1	271	-0.01	0.052	22.84	23.50	1.164	0.061	/
	DSI4			Front Side	14	528000	2640	135	69	0.04	0.261	22.63	23.50	1.222	0.319	/
	DSI4			Back Side	16	528000	2640	135	69	-0.10	0.173	22.63	23.50	1.222	0.211	/
	DSI4			Left Edge	11	528000	2640	135	69	0.11	0.830	22.63	23.50	1.222	1.014	/
	DSI4			Top Edge	15	528000	2640	135	69	-0.04	0.054	22.63	23.50	1.222	0.066	/
	DSI4			Left Edge	11	509202	2546.01	1	271	0.08	0.802	22.69	23.50	1.205	0.966	/
	DSI4			Left Edge	11	513900	2569.5	1	271	-0.04	0.786	22.70	23.50	1.202	0.945	/

	DSI4			Left Edge	11	523302	2616.51	1	1	0.03	0.810	22.61	23.50	1.227	0.994	/
	DSI4			Left Edge	11	528000	2640	1	271	-0.03	0.756	22.61	23.50	1.227	0.928	/
	DSI4			Left Edge	11	509202	2546.01	135	69	0.07	0.792	22.62	23.50	1.225	0.970	/
	DSI4			Left Edge	11	513900	2569.5	135	69	0.01	0.783	22.36	23.50	1.300	1.018	/
	DSI4			Left Edge	11	518598	2592.99	135	69	0.10	0.785	22.46	23.50	1.271	0.998	/
	DSI4			Left Edge	11	523302	2616.51	135	69	0.08	0.802	22.52	23.50	1.253	1.005	/
	DSI4			Left Edge	11	528000	2640	270	0	0.00	0.740	22.25	23.50	1.334	0.987	/
Ant.1	DSI4	DFT-s-OFDM BPSK	SA	Front Side	9	513900	2569.5	1	271	-0.11	0.838	25.12	25.50	1.091	0.914	/
	DSI4			Back Side	16	513900	2569.5	1	271	-0.01	0.340	25.12	25.50	1.091	0.371	/
	DSI4			Bottom Edge	15	513900	2569.5	1	271	0.11	0.330	25.12	25.50	1.091	0.360	/
	DSI4			Front Side	9	509202	2546.01	135	69	0.01	0.856	25.12	25.50	1.091	0.934	/
	DSI4			Back Side	16	509202	2546.01	135	69	0.07	0.345	25.12	25.50	1.091	0.376	/
	DSI4			Bottom Edge	15	509202	2546.01	135	69	0.05	0.332	25.12	25.50	1.091	0.362	/
	DSI4			Front Side	9	509202	2546.01	1	271	-0.04	0.810	24.89	25.50	1.151	0.932	/
	DSI4			Front Side	9	518598	2592.99	1	271	-0.01	0.795	24.90	25.50	1.148	0.913	/
	DSI4			Front Side	9	523302	2616.51	1	271	-0.05	0.815	24.86	25.50	1.159	0.945	/
	DSI4			Front Side	9	528000	2640	1	271	0.10	0.801	24.88	25.50	1.153	0.924	/
	DSI4			Front Side	9	513900	2569.5	135	69	-0.09	0.782	24.78	25.50	1.180	0.923	/
	DSI4			Front Side	9	518598	2592.99	135	69	-0.09	0.796	24.81	25.50	1.172	0.933	/
	DSI4			Front Side	9	523302	2616.51	135	69	0.06	0.803	24.91	25.50	1.146	0.920	/
	DSI4			Front Side	9	528000	2640	135	69	-0.01	0.780	24.67	25.50	1.211	0.945	/
	DSI4			Front Side	9	513900	2569.5	270	0	-0.02	0.760	24.40	24.50	1.023	0.777	/

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.3	DSI3	DFT-s-OFDM BPSK	SA	Left Edge	0	518598	2592.99	1	271	-0.01	2.010	20.82	21.50	1.169	**2.350**	84#
	DSI3			Left Edge	0	528000	2640	135	69	0.04	1.900	20.63	21.50	1.222	2.322	/
	DSI3			Left Edge	0	509202	2546.01	1	271	-0.09	1.950	20.73	21.50	1.194	2.328	/
	DSI3			Left Edge	0	513900	2569.5	1	271	-0.04	1.890	20.67	21.50	1.211	2.289	/
	DSI3			Left Edge	0	523302	2616.51	1	271	0.00	1.840	20.62	21.50	1.225	2.254	/
	DSI3			Left Edge	0	528000	2640	1	271	0.00	1.850	20.53	21.50	1.250	2.313	/
	DSI3			Left Edge	0	509202	2546.01	135	69	0.09	1.810	20.59	21.50	1.233	2.232	/
	DSI3			Left Edge	0	513900	2569.5	135	0	-0.05	1.860	20.60	21.50	1.230	2.288	/
	DSI3			Left Edge	0	518598	2592.99	135	0	-0.03	1.830	20.52	21.50	1.253	2.293	/
	DSI3			Left Edge	0	523302	2616.51	135	69	-0.06	1.860	20.59	21.50	1.233	2.293	/
	DSI3			Left Edge	0	528000	2640	270	0	0.12	1.750	20.32	21.50	1.312	2.296	/
Ant.1	DSI2	DFT-s-OFDM BPSK	SA	Bottom Edge	0	509202	2546.01	1	271	0.09	1.760	21.94	22.50	1.138	2.003	/
	DSI2			Bottom Edge	0	509202	2546.01	135	69	-0.02	1.810	22.06	22.50	1.107	2.004	/
	DSI2			Bottom Edge	0	513900	2569.5	1	271	0.06	1.760	21.87	22.50	1.156	2.035	/
	DSI2			Bottom Edge	0	518598	2592.99	1	271	0.04	1.780	21.89	22.50	1.151	2.049	/

	DSI2			Bottom Edge	0	523302	2616.51	1	271	-0.10	1.740	21.88	22.50	1.153	2.006	/
	DSI2			Bottom Edge	0	528000	2640	1	271	0.10	1.680	21.93	22.50	1.140	1.915	/
	DSI2			Bottom Edge	0	509202	2546.01	135	69	-0.09	1.700	21.78	22.50	1.180	2.006	/
	DSI2			Bottom Edge	0	513900	2569.5	135	69	-0.09	1.660	21.83	22.50	1.167	1.937	/
	DSI2			Bottom Edge	0	523302	2616.51	135	69	0.11	1.740	21.90	22.50	1.148	1.998	/
	DSI2			Bottom Edge	0	528000	2640	135	69	-0.08	1.650	21.64	22.50	1.219	2.011	/
	DSI2			Bottom Edge	0	513900	2569.5	270	0	0.00	1.540	21.36	22.50	1.300	2.002	/

11.34 5G n48 (40MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.5	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	645332	3679.98	1	104	0.12	0.652	14.64	15.50	1.219	0.795	/
	DSI1			Left Tilt	0	645332	3679.98	1	104	-0.04	0.770	14.64	15.50	1.219	**0.939**	85#
	DSI1			Right Cheek	0	645332	3679.98	1	104	-0.05	0.455	14.64	15.50	1.219	0.555	/
	DSI1			Right Tilt	0	645332	3679.98	1	104	-0.03	0.568	14.64	15.50	1.219	0.692	/
	DSI1			Left Cheek	0	641666	3624.99	50	56	-0.02	0.642	14.70	15.50	1.202	0.772	/
	DSI1			Left Tilt	0	641666	3624.99	50	56	-0.04	0.749	14.70	15.50	1.202	0.900	/
	DSI1			Right Cheek	0	641666	3624.99	50	56	-0.10	0.450	14.70	15.50	1.202	0.541	/
	DSI1			Right Tilt	0	641666	3624.99	50	56	-0.06	0.552	14.70	15.50	1.202	0.664	/
	DSI1			Left Tilt	0	638000	3570	1	53	-0.06	0.739	14.64	15.50	1.219	0.901	/
	DSI1			Left Tilt	0	645332	3679.98	1	1	-0.12	0.759	14.60	15.50	1.230	0.934	/
	DSI1			Left Tilt	0	638000	3570	50	0	-0.01	0.747	14.70	15.50	1.202	0.898	/
	DSI1			Left Tilt	0	645332	3679.98	50	56	-0.10	0.762	14.64	15.50	1.219	0.929	/
	DSI1			Left Tilt	0	638000	3570	100	0	0.00	0.741	14.63	15.50	1.222	0.906	/
Ant.7	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	641666	3624.99	1	104	0.01	0.700	17.66	18.50	1.213	0.849	/
	DSI1			Left Tilt	0	641666	3624.99	1	104	-0.01	0.298	17.66	18.50	1.213	0.361	/
	DSI1			Right Cheek	0	641666	3624.99	1	104	0.04	0.154	17.66	18.50	1.213	0.187	/
	DSI1			Right Tilt	0	641666	3624.99	1	104	0.13	0.142	17.66	18.50	1.213	0.172	/
	DSI1			Left Cheek	0	638000	3570	50	28	0.09	0.663	17.45	18.50	1.274	0.845	/
	DSI1			Left Tilt	0	638000	3570	50	28	0.04	0.267	17.45	18.50	1.274	0.340	/
	DSI1			Right Cheek	0	638000	3570	50	28	-0.04	0.142	17.45	18.50	1.274	0.181	/
	DSI1			Right Tilt	0	638000	3570	50	28	-0.08	0.133	17.45	18.50	1.274	0.169	/
	DSI1			Left Cheek	0	638000	3570	1	1	-0.13	0.685	17.63	18.50	1.222	0.837	/
	DSI1			Left Cheek	0	645332	3679.98	1	1	0.04	0.673	17.56	18.50	1.242	0.836	/
	DSI1			Left Cheek	0	638000	3570	50	28	-0.12	0.641	17.33	18.50	1.309	0.839	/
	DSI1			Left Cheek	0	645332	3679.98	50	28	0.03	0.648	17.35	18.50	1.303	0.844	/
	DSI1			Left Cheek	0	638000	3570	100	0	0.08	0.563	16.81	18.50	1.476	0.831	/
Body-worn																
Ant.5	DSI3	DFT-s-OFDM BPSK	SA	Front Side	15	641666	3624.99	1	104	-0.09	0.212	21.95	22.00	1.012	**0.215**	86#
	DSI3			Back Side	15	641666	3624.99	1	104	0.13	0.185	17.93	18.50	1.140	0.211	/
	DSI3			Front Side	15	638000	3570	50	28	0.12	0.208	21.88	22.00	1.028	0.214	/
	DSI3			Back Side	15	638000	3570	50	28	-0.03	0.183	17.85	18.50	1.161	0.212	/
Ant.7	DSI3	DFT-s-OFDM BPSK	SA	Front Side	15	645332	3679.98	1	1	-0.14	0.098	18.63	19.50	1.222	0.120	/
	DSI3			Back Side	15	645332	3679.98	1	1	0.01	0.141	18.63	19.50	1.222	0.172	/
	DSI3			Front Side	15	638000	3570	50	28	-0.06	0.096	18.42	19.50	1.282	0.123	/
	DSI3			Back Side	15	638000	3570	50	28	-0.15	0.138	18.42	19.50	1.282	0.177	/
Hotspot																

Ant.5	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	641666	3624.99	1	104	0.12	0.258	17.93	18.50	1.140	0.294	/
	DSI5			Back Side	10	641666	3624.99	1	104	-0.13	0.475	17.93	18.50	1.140	0.542	/
	DSI5			Right Edge	10	641666	3624.99	1	104	0.12	0.095	17.93	18.50	1.140	0.108	/
	DSI5			Top Edge	10	641666	3624.99	1	104	-0.06	0.618	17.93	18.50	1.140	**0.705**	87#
	DSI5			Front Side	10	638000	3570	50	28	0.11	0.249	17.85	18.50	1.161	0.289	/
	DSI5			Back Side	10	638000	3570	50	28	0.10	0.463	17.85	18.50	1.161	0.538	/
	DSI5			Right Edge	10	638000	3570	50	28	0.11	0.091	17.85	18.50	1.161	0.106	/
	DSI5			Top Edge	10	638000	3570	50	28	-0.12	0.596	17.85	18.50	1.161	0.692	/
Ant.7	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	641666	3624.99	1	1	0.08	0.167	18.63	19.50	1.222	0.204	/
	DSI5			Back Side	10	641666	3624.99	1	1	0.04	0.368	18.63	19.50	1.222	0.450	/
	DSI5			Right Edge	10	641666	3624.99	1	1	0.13	0.559	18.63	19.50	1.222	0.683	/
	DSI5			Top Edge	10	641666	3624.99	1	1	-0.14	0.156	18.63	19.50	1.222	0.191	/
	DSI5			Front Side	10	641666	3624.99	50	0	0.01	0.153	18.42	19.50	1.282	0.196	/
	DSI5			Back Side	10	641666	3624.99	50	0	0.05	0.324	18.42	19.50	1.282	0.415	/
	DSI5			Right Edge	10	641666	3624.99	50	0	0.12	0.538	18.42	19.50	1.282	0.690	/
	DSI5			Top Edge	10	638000	3570	50	0	0.06	0.135	18.42	19.50	1.282	0.173	/
Body (Sensor-1)																
Ant.5	DSI4	DFT-s-OFDM BPSK	SA	Front Side	14	641666	3624.99	1	104	-0.06	0.356	21.95	22.00	1.012	0.360	/
	DSI4			Back Side	16	641666	3624.99	1	104	0.06	0.448	21.95	22.00	1.012	0.453	/
	DSI4			Left Edge	11	641666	3624.99	1	104	-0.05	0.096	21.95	22.00	1.012	0.097	/
	DSI4			Top Edge	15	641666	3624.99	1	104	-0.03	0.645	21.95	22.00	1.012	0.653	/
	DSI4			Front Side	14	638000	3570	50	28	-0.03	0.362	21.88	22.00	1.028	0.372	/
	DSI4			Back Side	16	638000	3570	50	28	-0.11	0.430	21.88	22.00	1.028	0.442	/
	DSI4			Left Edge	11	638000	3570	50	28	-0.02	0.091	21.88	22.00	1.028	0.094	/
	DSI4			Top Edge	15	638000	3570	50	28	0.08	0.635	21.88	22.00	1.028	0.653	/

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																
Ant.5	DSI3	DFT-s-OFDM BPSK	SA	Back Side	0	641666	3624.99	1	104	0.02	0.475	17.93	18.50	1.140	0.542	/
	DSI3			Top Edge	0	641666	3624.99	1	104	-0.05	1.830	17.93	18.50	1.140	2.086	/
	DSI3			Back Side	0	638000	3570	50	28	-0.06	0.468	17.85	18.50	1.161	0.543	/
	DSI3			Top Edge	0	638000	3570	50	28	-0.04	1.780	17.85	18.50	1.161	2.067	/
	DSI3			Top Edge	0	638000	3570	1	1	0.01	1.820	17.88	18.50	1.153	2.098	/
	DSI3			Top Edge	0	645332	3679.98	1	104	-0.11	1.880	17.88	18.50	1.153	**2.168**	88#
	DSI3			Top Edge	0	641666	3624.99	50	28	0.01	1.770	17.63	18.50	1.222	2.163	/
	DSI3			Top Edge	0	645332	3679.98	50	28	-0.02	1.790	17.80	18.50	1.175	2.103	/
	DSI3			Top Edge	0	641666	3624.99	100	0	-0.02	1.520	17.18	18.50	1.355	2.060	/

11.35 5G n71 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.4	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	134600	673	1	104	0.11	0.627	24.88	25.50	1.153	0.723	/
	DSI1			Left Tilt	0	134600	673	1	104	0.12	0.491	24.88	25.50	1.153	0.566	/
	DSI1			Right Cheek	0	134600	673	1	104	-0.01	0.833	24.88	25.50	1.153	**0.960**	139#
	DSI1			Right Tilt	0	134600	673	1	104	0.05	0.672	24.88	25.50	1.153	0.775	/
	DSI1			Left Cheek	0	136100	680.5	50	28	0.04	0.620	24.75	25.50	1.189	0.737	/
	DSI1			Left Tilt	0	136100	680.5	50	28	-0.15	0.485	24.75	25.50	1.189	0.577	/
	DSI1			Right Cheek	0	136100	680.5	50	28	-0.15	0.780	24.75	25.50	1.189	0.927	/
	DSI1			Right Tilt	0	136100	680.5	50	28	-0.04	0.653	24.75	25.50	1.189	0.776	/
	DSI1			Right Cheek	0	136100	680.5	1	53	-0.05	0.776	24.81	25.50	1.172	0.909	/
	DSI1			Right Cheek	0	137600	688	1	1	-0.01	0.622	24.75	25.50	1.189	0.740	/
	DSI1			Right Cheek	0	134600	673	50	56	0.09	0.725	24.63	25.50	1.222	0.886	/
	DSI1			Right Cheek	0	137600	688	50	0	-0.09	0.739	24.59	25.50	1.233	0.911	/
	DSI1			Right Cheek	0	136100	680.5	100	0	0.10	0.754	24.61	25.50	1.227	0.925	/
Ant.0	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	134600	673	1	104	-0.06	0.129	24.85	25.50	1.161	0.150	/
	DSI1			Left Tilt	0	134600	673	1	104	0.10	0.061	24.85	25.50	1.161	0.071	/
	DSI1			Right Cheek	0	134600	673	1	104	0.15	0.152	24.85	25.50	1.161	0.176	/
	DSI1			Right Tilt	0	134600	673	1	104	-0.15	0.071	24.85	25.50	1.161	0.082	/
	DSI1			Left Cheek	0	137600	688	50	28	0.13	0.106	24.89	25.50	1.151	0.122	/
	DSI1			Left Tilt	0	137600	688	50	28	-0.11	0.045	24.89	25.50	1.151	0.052	/
	DSI1			Right Cheek	0	137600	688	50	28	-0.08	0.128	24.89	25.50	1.151	0.147	/
	DSI1			Right Tilt	0	137600	688	50	28	0.01	0.056	24.89	25.50	1.151	0.064	/
Body-worn																
Ant.4	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	134600	673	1	104	0.08	0.057	24.88	25.50	1.153	0.066	/
	DSI4			Back Side	15	134600	673	1	104	0.08	0.072	24.88	25.50	1.153	0.083	/
	DSI3			Front Side	15	136100	680.5	50	28	0.10	0.056	24.75	25.50	1.189	0.067	/
	DSI3			Back Side	15	136100	680.5	50	28	-0.10	0.070	24.75	25.50	1.189	0.083	/
Ant.0	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	134600	673	1	104	-0.03	0.072	24.85	25.50	1.161	0.084	/
	DSI4			Back Side	15	134600	673	1	104	0.03	0.089	24.85	25.50	1.161	**0.103**	140#
	DSI3			Front Side	15	137600	688	50	28	0.08	0.073	24.89	25.50	1.151	0.084	/
	DSI3			Back Side	15	137600	688	50	28	0.15	0.086	24.89	25.50	1.151	0.099	/
Hotspot																
Ant.4	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	134600	673	1	104	-0.06	0.087	24.88	25.50	1.153	0.100	/
	DSI5			Back Side	10	134600	673	1	104	-0.07	0.116	24.88	25.50	1.153	0.134	/
	DSI5			Left Edge	10	134600	673	1	104	-0.12	0.071	24.88	25.50	1.153	0.082	/
	DSI5			Top Edge	10	134600	673	1	104	-0.14	0.063	24.88	25.50	1.153	0.073	/
	DSI5			Front Side	10	136100	680.5	50	28	0.13	0.085	24.75	25.50	1.189	0.101	/

	DSI5			Back Side	10	136100	680.5	50	28	-0.05	0.110	24.75	25.50	1.189	0.131	/
	DSI5			Left Edge	10	136100	680.5	50	28	0.00	0.070	24.75	25.50	1.189	0.083	/
	DSI5			Top Edge	10	136100	680.5	50	28	0.00	0.059	24.75	25.50	1.189	0.070	/
Ant.0	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	134600	673	1	104	-0.09	0.087	24.85	25.50	1.161	0.101	/
	DSI5			Back Side	10	134600	673	1	104	0.06	0.106	24.85	25.50	1.161	0.123	/
	DSI5			Left Edge	10	134600	673	1	104	0.10	0.038	24.85	25.50	1.161	0.044	/
	DSI5			Right Edge	10	134600	673	1	104	0.00	0.119	24.85	25.50	1.161	**0.138**	141#
	DSI5			Bottom Edge	10	134600	673	1	104	-0.11	0.113	24.85	25.50	1.161	0.131	/
	DSI5			Front Side	10	137600	688	50	28	-0.01	0.087	24.89	25.50	1.151	0.100	/
	DSI5			Back Side	10	137600	688	50	28	0.14	0.110	24.89	25.50	1.151	0.127	/
	DSI5			Left Edge	10	137600	688	50	28	0.07	0.035	24.89	25.50	1.151	0.040	/
	DSI5			Right Edge	10	137600	688	50	28	-0.15	0.116	24.89	25.50	1.151	0.134	/
	DSI5			Bottom Edge	10	137600	688	50	28	-0.12	0.108	24.89	25.50	1.151	0.124	/

11.36 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-PC2	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	1	-0.01	0.194	21.37	22.00	1.156	0.224	/
	DSI1			Left Tilt	0	633334	3500.01	1	1	-0.08	0.188	21.37	22.00	1.156	0.217	/
	DSI1			Right Cheek	0	633334	3500.01	1	1	0.01	0.702	21.37	22.00	1.156	0.812	/
	DSI1			Right Tilt	0	633334	3500.01	1	1	0.11	0.408	21.37	22.00	1.156	0.472	/
	DSI1			Left Cheek	0	633334	3500.01	135	69	0.00	0.192	20.96	22.00	1.271	0.244	/
	DSI1			Left Tilt	0	633334	3500.01	135	69	-0.09	0.132	20.96	22.00	1.271	0.168	/
	DSI1			Right Cheek	0	633334	3500.01	135	69	-0.01	0.586	20.96	22.00	1.271	0.745	/
	DSI1			Right Tilt	0	633334	3500.01	135	69	0.06	0.357	20.96	22.00	1.271	0.454	/
	DSI1			Right Cheek	0	633334	3500.01	270	0	-0.01	0.532	20.46	22.00	1.426	0.759	/
Ant.2-PC3	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	1	-0.07	0.179	18.40	19.00	1.148	0.205	/
	DSI1			Left Tilt	0	633334	3500.01	1	1	0.05	0.172	18.40	19.00	1.148	0.197	/
	DSI1			Right Cheek	0	633334	3500.01	1	1	-0.11	0.648	18.40	19.00	1.148	0.744	/
	DSI1			Right Tilt	0	633334	3500.01	1	1	0.10	0.359	18.40	19.00	1.148	0.412	/
	DSI1			Left Cheek	0	633334	3500.01	135	69	-0.09	0.171	17.94	19.00	1.276	0.218	/
	DSI1			Left Tilt	0	633334	3500.01	135	69	-0.04	0.117	17.94	19.00	1.276	0.149	/
	DSI1			Right Cheek	0	633334	3500.01	135	69	0.03	0.576	17.94	19.00	1.276	0.735	/
	DSI1			Right Tilt	0	633334	3500.01	135	69	-0.09	0.305	17.94	19.00	1.276	0.389	/
Ant.3-PC2	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	1	0.02	0.258	21.30	22.00	1.175	0.303	/
	DSI1			Left Tilt	0	633334	3500.01	1	1	-0.03	0.089	21.30	22.00	1.175	0.105	/
	DSI1			Right Cheek	0	633334	3500.01	1	1	0.10	0.440	21.30	22.00	1.175	0.517	/
	DSI1			Right Tilt	0	633334	3500.01	1	1	0.11	0.096	21.30	22.00	1.175	0.113	/
	DSI1			Left Cheek	0	633334	3500.01	135	69	-0.07	0.248	21.00	22.00	1.259	0.312	/
	DSI1			Left Tilt	0	633334	3500.01	135	69	0.06	0.082	21.00	22.00	1.259	0.103	/
	DSI1			Right Cheek	0	633334	3500.01	135	69	0.07	0.410	21.00	22.00	1.259	0.516	/
	DSI1			Right Tilt	0	633334	3500.01	135	69	-0.02	0.092	21.00	22.00	1.259	0.116	/
Ant.3-PC3	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	1	-0.10	0.230	18.31	19.00	1.172	0.270	/
	DSI1			Left Tilt	0	633334	3500.01	1	1	-0.05	0.078	18.31	19.00	1.172	0.091	/
	DSI1			Right Cheek	0	633334	3500.01	1	1	-0.06	0.394	18.31	19.00	1.172	0.462	/
	DSI1			Right Tilt	0	633334	3500.01	1	1	0.11	0.085	18.31	19.00	1.172	0.100	/
	DSI1			Left Cheek	0	633334	3500.01	135	69	-0.07	0.228	17.97	19.00	1.268	0.289	/
	DSI1			Left Tilt	0	633334	3500.01	135	69	-0.01	0.075	17.97	19.00	1.268	0.095	/
	DSI1			Right Cheek	0	633334	3500.01	135	69	0.00	0.372	17.97	19.00	1.268	0.472	/
	DSI1			Right Tilt	0	633334	3500.01	135	69	0.06	0.082	17.97	19.00	1.268	0.104	/
Ant.5-PC2	DSI1	DFT-s-	SA	Left Cheek	0	633334	3500.01	1	1	0.00	0.625	16.53	17.50	1.250	0.781	/
	DSI1			Left Tilt	0	633334	3500.01	1	1	-0.01	0.752	16.53	17.50	1.250	**0.940**	89#
	DSI1			Right Cheek	0	633334	3500.01	1	1	0.03	0.453	16.53	17.50	1.250	0.566	/

	DSI1	OFDM BPSK		Right Tilt	0	633334	3500.01	1	1	-0.03	0.532	16.53	17.50	1.250	0.665	/
	DSI1			Left Cheek	0	633334	3500.01	135	0	0.10	0.624	16.47	17.50	1.268	0.791	/
	DSI1			Left Tilt	0	633334	3500.01	135	0	0.11	0.706	16.47	17.50	1.268	0.895	/
	DSI1			Right Cheek	0	633334	3500.01	135	0	0.06	0.422	16.47	17.50	1.268	0.535	/
	DSI1			Right Tilt	0	633334	3500.01	135	0	0.01	0.508	16.47	17.50	1.268	0.644	/
	DSI1			Left Tilt	0	633334	3500.01	270	0	0.09	0.710	16.42	17.50	1.282	0.910	/
Ant.5-PC3	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	1	-0.07	0.559	13.53	14.50	1.250	0.699	/
	DSI1			Left Tilt	0	633334	3500.01	1	1	-0.07	0.689	13.53	14.50	1.250	0.861	/
	DSI1			Right Cheek	0	633334	3500.01	1	1	-0.07	0.403	13.53	14.50	1.250	0.504	/
	DSI1			Right Tilt	0	633334	3500.01	1	1	-0.03	0.475	13.53	14.50	1.250	0.594	/
	DSI1			Left Cheek	0	633334	3500.01	135	0	0.06	0.552	13.45	14.50	1.274	0.703	/
	DSI1			Left Tilt	0	633334	3500.01	135	0	0.04	0.648	13.45	14.50	1.274	0.826	/
	DSI1			Right Cheek	0	633334	3500.01	135	0	0.04	0.382	13.45	14.50	1.274	0.487	/
	DSI1			Right Tilt	0	633334	3500.01	135	0	-0.05	0.458	13.45	14.50	1.274	0.583	/
	DSI1			Left Tilt	0	633334	3500.01	270	0	0.03	0.632	13.40	14.50	1.288	0.814	/
Ant.7-PC2	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	1	0.02	0.530	19.82	21.00	1.312	0.695	/
	DSI1			Left Tilt	0	633334	3500.01	1	1	0.06	0.179	19.82	21.00	1.312	0.235	/
	DSI1			Right Cheek	0	633334	3500.01	1	1	-0.08	0.078	19.82	21.00	1.312	0.102	/
	DSI1			Right Tilt	0	633334	3500.01	1	1	0.03	0.101	19.82	21.00	1.312	0.133	/
	DSI1			Left Cheek	0	633334	3500.01	135	138	0.11	0.492	19.81	21.00	1.315	0.647	/
	DSI1			Left Tilt	0	633334	3500.01	135	138	-0.08	0.174	19.81	21.00	1.315	0.229	/
	DSI1			Right Cheek	0	633334	3500.01	135	138	-0.09	0.075	19.81	21.00	1.315	0.099	/
	DSI1			Right Tilt	0	633334	3500.01	135	138	0.07	0.098	19.81	21.00	1.315	0.129	/
Ant.7-PC3	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	271	0.00	0.512	16.83	18.00	1.309	0.670	/
	DSI1			Left Tilt	0	633334	3500.01	1	271	-0.10	0.171	16.83	18.00	1.309	0.224	/
	DSI1			Right Cheek	0	633334	3500.01	1	271	-0.02	0.075	16.83	18.00	1.309	0.098	/
	DSI1			Right Tilt	0	633334	3500.01	1	271	0.10	0.098	16.83	18.00	1.309	0.128	/
	DSI1			Left Cheek	0	633334	3500.01	135	69	-0.08	0.465	16.79	18.00	1.321	0.614	/
	DSI1			Left Tilt	0	633334	3500.01	135	69	0.11	0.168	16.79	18.00	1.321	0.222	/
	DSI1			Right Cheek	0	633334	3500.01	135	69	0.09	0.073	16.79	18.00	1.321	0.096	/
	DSI1			Right Tilt	0	633334	3500.01	135	69	0.10	0.094	16.79	18.00	1.321	0.124	/
Body-worn																
Ant.2-PC2	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	633334	3500.01	1	1	0.05	0.046	21.37	22.00	1.156	0.053	/
	DSI3			Back Side	15	633334	3500.01	1	1	0.06	0.105	21.37	22.00	1.156	0.121	/
	DSI4			Front Side	15	633334	3500.01	135	69	-0.05	0.042	20.96	22.00	1.271	0.053	/
	DSI3			Back Side	15	633334	3500.01	135	69	0.01	0.098	20.96	22.00	1.271	0.125	/
Ant.2-PC3	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	633334	3500.01	1	1	0.09	0.043	18.40	19.00	1.148	0.049	/
	DSI3			Back Side	15	633334	3500.01	1	1	0.04	0.104	18.40	19.00	1.148	0.119	/
	DSI4			Front Side	15	633334	3500.01	135	69	0.09	0.041	17.94	19.00	1.276	0.052	/
	DSI3			Back Side	15	633334	3500.01	135	69	0.06	0.099	17.94	19.00	1.276	0.126	/
Ant.3-PC2	DSI4	DFT-s-	SA	Front Side	15	633334	3500.01	1	1	-0.05	0.048	18.31	19.00	1.172	0.056	/
	DSI3			Back Side	15	633334	3500.01	1	1	-0.02	0.093	18.31	19.00	1.172	0.109	/
	DSI4			Front Side	15	633334	3500.01	135	69	0.05	0.046	17.97	19.00	1.268	0.058	/

	DSI3	OFDM BPSK		Back Side	15	633334	3500.01	135	69	0.08	0.091	17.97	19.00	1.268	0.115	/
Ant.3-PC3	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	633334	3500.01	1	1	0.10	0.047	18.31	19.00	1.172	0.055	/
	DSI3			Back Side	15	633334	3500.01	1	1	-0.04	0.095	18.31	19.00	1.172	0.111	/
	DSI4			Front Side	15	633334	3500.01	135	69	-0.02	0.045	17.97	19.00	1.268	0.057	/
	DSI3			Back Side	15	633334	3500.01	135	69	-0.02	0.092	17.97	19.00	1.268	0.117	/
Ant.5-PC2	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	633334	3500.01	1	1	-0.06	0.175	25.65	27.00	1.365	**0.239**	90#
	DSI3			Back Side	15	633334	3500.01	1	1	0.00	0.091	18.57	19.50	1.239	0.113	/
	DSI4			Front Side	15	633334	3500.01	135	69	0.00	0.163	25.44	27.00	1.432	0.233	/
	DSI3			Back Side	15	633334	3500.01	135	0	-0.05	0.088	18.49	19.50	1.262	0.111	/
Ant.5-PC3	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	633334	3500.01	1	1	-0.07	0.172	22.69	24.00	1.352	0.233	/
	DSI3			Back Side	15	633334	3500.01	1	1	0.00	0.089	15.56	16.50	1.242	0.111	/
	DSI4			Front Side	15	633334	3500.01	135	69	-0.01	0.158	22.49	24.00	1.416	0.224	/
	DSI3			Back Side	15	633334	3500.01	135	0	-0.07	0.086	15.54	16.50	1.247	0.107	/
Ant.7-PC2	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	633334	3500.01	1	137	-0.07	0.044	18.82	20.00	1.312	0.058	/
	DSI3			Back Side	15	633334	3500.01	1	137	-0.11	0.076	18.82	20.00	1.312	0.100	/
	DSI4			Front Side	15	633334	3500.01	135	69	0.10	0.042	18.86	20.00	1.300	0.055	/
	DSI3			Back Side	15	633334	3500.01	135	69	0.00	0.077	18.86	20.00	1.300	0.100	/
Ant.7-PC3	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	633334	3500.01	1	137	0.06	0.042	15.87	17.00	1.297	0.054	/
	DSI3			Back Side	15	633334	3500.01	1	137	0.01	0.075	15.87	17.00	1.297	0.097	/
	DSI4			Front Side	15	633334	3500.01	135	138	0.00	0.041	15.92	17.00	1.282	0.053	/
	DSI3			Back Side	15	633334	3500.01	135	138	-0.05	0.073	15.92	17.00	1.282	0.094	/
Hotspot																
Ant.2-PC2	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	1	-0.05	0.109	21.37	22.00	1.156	0.126	/
	DSI5			Back Side	10	633334	3500.01	1	1	0.02	0.324	21.37	22.00	1.156	0.375	/
	DSI5			Left Edge	10	633334	3500.01	1	1	0.01	0.269	21.37	22.00	1.156	0.311	/
	DSI5			Top Edge	10	633334	3500.01	1	1	-0.09	0.169	21.37	22.00	1.156	0.195	/
	DSI5			Front Side	10	633334	3500.01	135	69	0.09	0.098	20.96	22.00	1.271	0.125	/
	DSI5			Back Side	10	633334	3500.01	135	69	-0.04	0.294	20.96	22.00	1.271	0.374	/
	DSI5			Left Edge	10	633334	3500.01	135	69	-0.09	0.238	20.96	22.00	1.271	0.302	/
	DSI5			Top Edge	10	633334	3500.01	135	69	-0.07	0.165	20.96	22.00	1.271	0.210	/
Ant.2-PC3	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	1	0.04	0.106	18.40	19.00	1.148	0.122	/
	DSI5			Back Side	10	633334	3500.01	1	1	0.01	0.318	18.40	19.00	1.148	0.365	/
	DSI5			Left Edge	10	633334	3500.01	1	1	-0.02	0.262	18.40	19.00	1.148	0.301	/
	DSI5			Top Edge	10	633334	3500.01	1	1	-0.05	0.163	18.40	19.00	1.148	0.187	/
	DSI5			Front Side	10	633334	3500.01	135	69	-0.05	0.096	17.94	19.00	1.276	0.122	/
	DSI5			Back Side	10	633334	3500.01	135	69	0.07	0.287	17.94	19.00	1.276	0.366	/
	DSI5			Left Edge	10	633334	3500.01	135	69	-0.09	0.231	17.94	19.00	1.276	0.295	/
	DSI5			Top Edge	10	633334	3500.01	135	69	0.03	0.154	17.94	19.00	1.276	0.197	/
Ant.3-PC2	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	1	0.04	0.146	18.31	19.00	1.172	0.171	/
	DSI5			Back Side	10	633334	3500.01	1	1	-0.02	0.208	18.31	19.00	1.172	0.244	/
	DSI5			Left Edge	10	633334	3500.01	1	1	0.01	0.456	18.31	19.00	1.172	0.534	/
	DSI5			Front Side	10	633334	3500.01	135	69	-0.10	0.143	17.97	19.00	1.268	0.181	/

	DSI5			Back Side	10	633334	3500.01	135	69	0.05	0.200	17.97	19.00	1.268	0.254	/
	DSI5			Left Edge	10	633334	3500.01	135	69	-0.11	0.448	17.97	19.00	1.268	0.568	/
Ant.3-PC3	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	1	0.02	0.205	18.31	19.00	1.172	0.240	/
	DSI5			Back Side	10	633334	3500.01	1	1	0.02	0.468	18.31	19.00	1.172	0.548	/
	DSI5			Left Edge	10	633334	3500.01	1	1	-0.09	0.139	18.31	19.00	1.172	0.163	/
	DSI5			Front Side	10	633334	3500.01	135	69	0.03	0.203	17.97	19.00	1.268	0.257	/
	DSI5			Back Side	10	633334	3500.01	135	69	0.05	0.446	17.97	19.00	1.268	0.566	/
	DSI5			Left Edge	10	633334	3500.01	135	69	-0.02	0.138	17.97	19.00	1.268	0.175	/
Ant.5-PC2	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	1	-0.01	0.235	18.57	19.50	1.239	0.291	/
	DSI5			Back Side	10	633334	3500.01	1	1	-0.07	0.293	18.57	19.50	1.239	0.363	/
	DSI5			Right Edge	10	633334	3500.01	1	1	0.04	0.051	18.57	19.50	1.239	0.063	/
	DSI5			Top Edge	10	633334	3500.01	1	1	0.02	0.461	18.57	19.50	1.239	**0.571**	91#
	DSI5			Front Side	10	633334	3500.01	135	0	-0.05	0.232	18.49	19.50	1.262	0.293	/
	DSI5			Back Side	10	633334	3500.01	135	0	-0.07	0.286	18.49	19.50	1.262	0.361	/
	DSI5			Right Edge	10	633334	3500.01	135	0	-0.11	0.048	18.49	19.50	1.262	0.061	/
	DSI5			Top Edge	10	633334	3500.01	135	0	-0.02	0.442	18.49	19.50	1.262	0.558	/
Ant.5-PC3	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	1	-0.06	0.232	15.56	16.50	1.242	0.288	/
	DSI5			Back Side	10	633334	3500.01	1	1	0.09	0.286	15.56	16.50	1.242	0.355	/
	DSI5			Right Edge	10	633334	3500.01	1	1	-0.01	0.048	15.56	16.50	1.242	0.060	/
	DSI5			Top Edge	10	633334	3500.01	1	1	-0.01	0.457	15.56	16.50	1.242	0.568	/
	DSI5			Front Side	10	633334	3500.01	135	0	-0.05	0.230	15.54	16.50	1.247	0.287	/
	DSI5			Back Side	10	633334	3500.01	135	0	-0.06	0.281	15.54	16.50	1.247	0.350	/
	DSI5			Right Edge	10	633334	3500.01	135	0	-0.06	0.045	15.54	16.50	1.247	0.056	/
	DSI5			Top Edge	10	633334	3500.01	135	0	-0.03	0.438	15.54	16.50	1.247	0.546	/
Ant.7-PC2	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	137	0.05	0.078	18.82	20.00	1.312	0.102	/
	DSI5			Back Side	10	633334	3500.01	1	137	0.05	0.146	18.82	20.00	1.312	0.192	/
	DSI5			Right Edge	10	633334	3500.01	1	137	0.02	0.228	18.82	20.00	1.312	0.299	/
	DSI5			Top Edge	10	633334	3500.01	1	137	0.10	0.059	18.82	20.00	1.312	0.077	/
	DSI5			Front Side	10	633334	3500.01	135	69	0.02	0.076	18.86	20.00	1.300	0.099	/
	DSI5			Back Side	10	633334	3500.01	135	69	-0.05	0.148	18.86	20.00	1.300	0.192	/
	DSI5			Right Edge	10	633334	3500.01	135	69	-0.02	0.230	18.86	20.00	1.300	0.299	/
	DSI5			Top Edge	10	633334	3500.01	135	69	0.09	0.056	18.86	20.00	1.300	0.073	/
Ant.7-PC3	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	137	0.02	0.079	15.87	17.00	1.297	0.102	/
	DSI5			Back Side	10	633334	3500.01	1	137	0.08	0.145	15.87	17.00	1.297	0.188	/
	DSI5			Right Edge	10	633334	3500.01	1	137	0.06	0.225	15.87	17.00	1.297	0.292	/
	DSI5			Top Edge	10	633334	3500.01	1	137	-0.06	0.058	15.87	17.00	1.297	0.075	/
	DSI5			Front Side	10	633334	3500.01	135	138	0.11	0.077	15.92	17.00	1.282	0.099	/
	DSI5			Back Side	10	633334	3500.01	135	138	-0.11	0.146	15.92	17.00	1.282	0.187	/
	DSI5			Right Edge	10	633334	3500.01	135	138	-0.08	0.225	15.92	17.00	1.282	0.288	/
	DSI5			Top Edge	10	633334	3500.01	135	138	0.10	0.054	15.92	17.00	1.282	0.069	/
Body (Sensor-1)																
Ant.5-PC2	DSI4	DFT-s-	SA	Front Side	14	633334	3500.01	1	1	0.06	0.318	25.65	27.00	1.365	0.434	/
	DSI4			Back Side	16	633334	3500.01	1	1	-0.08	0.354	25.65	27.00	1.365	0.483	/

	DSI4	OFDM BPSK		Left Edge	11	633334	3500.01	1	1	0.08	0.085	25.65	27.00	1.365	0.116	/
	DSI4			Top Edge	15	633334	3500.01	1	1	0.06	0.723	25.65	27.00	1.365	0.987	/
	DSI4			Front Side	14	633334	3500.01	135	69	0.09	0.320	25.44	27.00	1.432	0.458	/
	DSI4			Back Side	16	633334	3500.01	135	69	-0.09	0.348	25.44	27.00	1.432	0.498	/
	DSI4			Left Edge	11	633334	3500.01	135	69	0.02	0.081	25.44	27.00	1.432	0.116	/
	DSI4			Top Edge	15	633334	3500.01	135	69	0.10	0.685	25.44	27.00	1.432	0.981	/
	DSI4			Top Edge	15	633334	3500.01	270	0	0.01	0.543	24.83	26.00	1.309	0.711	/
Ant.5-PC3	DSI4	DFT-s-OFDM BPSK	SA	Front Side	14	633334	3500.01	1	1	0.00	0.310	22.69	24.00	1.352	0.419	/
	DSI4			Back Side	16	633334	3500.01	1	1	0.01	0.348	22.69	24.00	1.352	0.470	/
	DSI4			Left Edge	11	633334	3500.01	1	1	-0.08	0.079	22.69	24.00	1.352	0.107	/
	DSI4			Top Edge	15	633334	3500.01	1	1	0.02	0.689	22.69	24.00	1.352	0.932	/
	DSI4			Front Side	14	633334	3500.01	135	69	0.00	0.303	22.49	24.00	1.416	0.429	/
	DSI4			Back Side	16	633334	3500.01	135	69	0.02	0.330	22.49	24.00	1.416	0.467	/
	DSI4			Left Edge	11	633334	3500.01	135	69	0.11	0.075	22.49	24.00	1.416	0.106	/
	DSI4			Top Edge	15	633334	3500.01	135	69	0.03	0.658	21.86	23.00	1.300	0.855	/
	DSI4			Top Edge	15	633334	3500.01	270	0	-0.08	0.521	21.86	23.00	1.300	0.677	/

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																
Ant.5-PC2	DSI3	DFT-s-OFDM BPSK	SA	Front Side	0	633334	3500.01	1	1	0.03	1.330	18.57	19.50	1.239	1.648	/
	DSI3			Back Side	0	633334	3500.01	1	1	0.05	1.150	18.57	19.50	1.239	1.425	/
	DSI3			Top Edge	0	633334	3500.01	1	1	-0.04	1.970	18.57	19.50	1.239	**2.441**	92#
	DSI3			Front Side	0	633334	3500.01	135	0	-0.09	1.260	18.49	19.50	1.262	1.590	/
	DSI3			Back Side	0	633334	3500.01	135	0	-0.07	1.080	18.49	19.50	1.262	1.363	/
	DSI3			Top Edge	0	633334	3500.01	135	0	0.11	1.830	18.49	19.50	1.262	2.309	/
	DSI3			Top Edge	0	633334	3500.01	270	0	0.07	1.790	18.37	19.50	1.297	2.322	/
Ant.5-PC3	DSI3	DFT-s-OFDM BPSK	SA	Front Side	0	633334	3500.01	1	1	-0.08	1.290	15.56	16.50	1.242	1.602	/
	DSI3			Back Side	0	633334	3500.01	1	1	0.08	1.140	15.56	16.50	1.242	1.416	/
	DSI3			Top Edge	0	633334	3500.01	1	1	-0.01	1.910	15.56	16.50	1.242	2.372	/
	DSI3			Front Side	0	633334	3500.01	135	0	-0.06	1.260	15.54	16.50	1.247	1.571	/
	DSI3			Back Side	0	633334	3500.01	135	0	-0.05	1.100	15.54	16.50	1.247	1.372	/
	DSI3			Top Edge	0	633334	3500.01	135	0	-0.03	1.880	15.54	16.50	1.247	2.344	/
	DSI3			Top Edge	0	633334	3500.01	135	0	-0.03	1.830	15.40	16.50	1.288	2.357	/

11.37 5G n77 (100MHz Bandwidth) (3700MHz-3980MHz)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	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-PC2	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	662000	3930	1	137	0.01	0.266	21.17	22.00	1.211	0.322	/
	DSI1			Left Tilt	0	662000	3930	1	137	0.10	0.078	21.17	22.00	1.211	0.094	/
	DSI1			Right Cheek	0	662000	3930	1	137	0.02	0.689	21.17	22.00	1.211	0.834	/
	DSI1			Right Tilt	0	662000	3930	1	137	-0.04	0.220	21.17	22.00	1.211	0.266	/
	DSI1			Left Cheek	0	662000	3930	135	69	-0.05	0.248	20.97	22.00	1.268	0.314	/
	DSI1			Left Tilt	0	662000	3930	135	69	-0.04	0.075	20.97	22.00	1.268	0.095	/
	DSI1			Right Cheek	0	662000	3930	135	69	0.02	0.645	20.97	22.00	1.268	0.818	/
	DSI1			Right Tilt	0	662000	3930	135	69	0.09	0.204	20.97	22.00	1.268	0.259	/
	DSI1			Right Cheek	0	650000	3750	1	271	0.05	0.658	21.13	22.00	1.222	0.804	/
	DSI1			Right Cheek	0	656000	3840	1	271	0.01	0.664	21.15	22.00	1.216	0.807	/
	DSI1			Right Cheek	0	650000	3750	135	69	-0.01	0.624	20.78	22.00	1.324	0.826	/
	DSI1			Right Cheek	0	662000	3930	135	69	-0.06	0.610	20.94	22.00	1.276	0.778	/
	DSI1			Right Cheek	0	662000	3930	270	0	-0.04	0.574	20.42	22.00	1.439	0.826	/
Ant.2-PC3	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	662000	3930	1	137	-0.07	0.260	18.25	19.00	1.189	0.309	/
	DSI1			Left Tilt	0	662000	3930	1	137	0.05	0.077	18.25	19.00	1.189	0.092	/
	DSI1			Right Cheek	0	662000	3930	1	137	0.00	0.675	18.25	19.00	1.189	0.803	/
	DSI1			Right Tilt	0	662000	3930	1	137	0.03	0.218	18.25	19.00	1.189	0.259	/
	DSI1			Left Cheek	0	656000	3840	135	69	-0.08	0.247	18.01	19.00	1.256	0.310	/
	DSI1			Left Tilt	0	656000	3840	135	69	-0.10	0.075	18.01	19.00	1.256	0.094	/
	DSI1			Right Cheek	0	656000	3840	135	69	-0.06	0.639	18.01	19.00	1.256	0.803	/
	DSI1			Right Tilt	0	656000	3840	135	69	-0.05	0.201	18.01	19.00	1.256	0.252	/
	DSI1			Right Cheek	0	650000	3750	1	137	0.11	0.641	18.08	19.00	1.236	0.792	/
	DSI1			Right Cheek	0	656000	3840	1	137	-0.07	0.638	18.18	19.00	1.208	0.771	/
	DSI1			Right Cheek	0	650000	3750	135	69	-0.08	0.614	17.76	19.00	1.330	0.817	/
	DSI1			Right Cheek	0	662000	3930	135	69	-0.03	0.563	17.96	19.00	1.271	0.716	/
	DSI1			Right Cheek	0	650000	3750	270	0	-0.01	0.554	17.47	19.00	1.422	0.788	/
Ant.3-PC2	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	650000	3750	1	1	-0.03	0.212	20.32	22.00	1.472	0.312	/
	DSI1			Left Tilt	0	650000	3750	1	1	-0.07	0.079	20.32	22.00	1.472	0.116	/
	DSI1			Right Cheek	0	650000	3750	1	1	-0.06	0.544	20.32	22.00	1.472	0.801	/
	DSI1			Right Tilt	0	650000	3750	1	1	0.01	0.119	20.32	22.00	1.472	0.175	/
	DSI1			Left Cheek	0	662000	3930	135	69	-0.05	0.215	20.30	22.00	1.479	0.318	/
	DSI1			Left Tilt	0	662000	3930	135	69	-0.02	0.081	20.30	22.00	1.479	0.120	/
	DSI1			Right Cheek	0	662000	3930	135	69	0.02	0.543	20.30	22.00	1.479	0.803	/
	DSI1			Right Tilt	0	662000	3930	135	69	-0.04	0.115	20.30	22.00	1.479	0.170	/
	DSI1			Right Cheek	0	656000	3840	1	271	0.04	0.508	20.13	22.00	1.538	0.781	/
	DSI1			Right Cheek	0	662000	3930	1	271	0.06	0.507	20.20	22.00	1.514	0.768	/

	DSI1			Right Cheek	0	650000	3750	135	69	-0.08	0.514	20.15	22.00	1.531	0.787	/
	DSI1			Right Cheek	0	656000	3840	135	69	-0.07	0.516	20.22	22.00	1.507	0.778	/
	DSI1			Right Cheek	0	662000	3930	270	0	-0.07	0.523	19.54	21.00	1.400	0.732	/
Ant.3-PC3	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	650000	3750	1	1	-0.04	0.206	17.29	19.00	1.483	0.305	/
	DSI1			Left Tilt	0	650000	3750	1	1	0.10	0.078	17.29	19.00	1.483	0.116	/
	DSI1			Right Cheek	0	650000	3750	1	1	-0.03	0.530	17.29	19.00	1.483	0.786	/
	DSI1			Right Tilt	0	650000	3750	1	1	0.02	0.116	17.29	19.00	1.483	0.172	/
	DSI1			Left Cheek	0	656000	3840	135	69	0.05	0.208	17.27	19.00	1.489	0.310	/
	DSI1			Left Tilt	0	656000	3840	135	69	0.11	0.079	17.27	19.00	1.489	0.118	/
	DSI1			Right Cheek	0	656000	3840	135	69	0.03	0.531	17.27	19.00	1.489	0.791	/
	DSI1			Right Tilt	0	656000	3840	135	69	-0.06	0.110	17.27	19.00	1.489	0.164	/
Ant.5-PC2	Full	DFT-s-OFDM BPSK	SA	Left Cheek	0	656000	3840	1	137	0.03	0.553	16.85	17.50	1.161	0.642	/
	Full			Left Tilt	0	656000	3840	1	137	-0.07	0.759	16.85	17.50	1.161	0.881	/
	Full			Right Cheek	0	656000	3840	1	137	0.10	0.410	16.85	17.50	1.161	0.476	/
	Full			Right Tilt	0	656000	3840	1	137	-0.06	0.618	16.85	17.50	1.161	0.717	/
	Full			Left Cheek	0	662000	3930	135	0	0.11	0.552	16.83	17.50	1.167	0.644	/
	Full			Left Tilt	0	662000	3930	135	0	-0.04	0.692	16.83	17.50	1.167	0.808	/
	Full			Right Cheek	0	662000	3930	135	0	0.09	0.403	16.83	17.50	1.167	0.470	/
	Full			Right Tilt	0	662000	3930	135	0	-0.08	0.576	16.83	17.50	1.167	0.672	/
	Full			Left Tilt	0	650000	3750	1	137	0.07	0.841	16.82	17.50	1.169	0.983	/
	Full			Left Tilt	0	662000	3930	1	271	-0.09	0.684	16.75	17.50	1.189	0.813	/
	Full			Left Tilt	0	650000	3750	135	69	-0.07	0.801	16.74	17.50	1.191	0.954	/
	Full			Left Tilt	0	656000	3840	135	69	0.05	0.681	16.80	17.50	1.175	0.800	/
	Full			Left Tilt	0	656000	3840	270	0	-0.09	0.649	16.73	17.50	1.194	0.775	/
Ant.5-PC3	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	656000	3840	1	137	-0.05	0.532	13.90	14.50	1.148	0.611	/
	DSI1			Left Tilt	0	656000	3840	1	137	-0.05	0.735	13.90	14.50	1.148	0.844	/
	DSI1			Right Cheek	0	656000	3840	1	137	-0.05	0.398	13.90	14.50	1.148	0.457	/
	DSI1			Right Tilt	0	656000	3840	1	137	-0.02	0.586	13.90	14.50	1.148	0.673	/
	DSI1			Left Cheek	0	656000	3840	135	69	-0.01	0.528	13.84	14.50	1.164	0.615	/
	DSI1			Left Tilt	0	656000	3840	135	69	-0.08	0.692	13.84	14.50	1.164	0.805	/
	DSI1			Right Cheek	0	656000	3840	135	69	-0.04	0.389	13.84	14.50	1.164	0.453	/
	DSI1			Right Tilt	0	656000	3840	135	69	-0.01	0.568	13.84	14.50	1.164	0.661	/
	DSI1			Left Tilt	0	650000	3750	1	137	0.02	0.796	13.80	14.50	1.175	0.935	/
	DSI1			Left Tilt	0	662000	3930	1	271	0.10	0.668	13.80	14.50	1.175	0.785	/
	DSI1			Left Tilt	0	650000	3750	135	69	-0.08	0.768	13.77	14.50	1.183	0.909	/
	DSI1			Left Tilt	0	662000	3930	135	0	-0.03	0.685	13.81	14.50	1.172	0.803	/
	DSI1			Left Tilt	0	656000	3840	270	0	-0.11	0.640	13.78	14.50	1.180	0.755	/
Ant.7-PC2	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	662000	3930	1	271	-0.05	0.773	19.86	21.00	1.300	1.005	/
	DSI1			Left Tilt	0	662000	3930	1	271	-0.01	0.351	19.86	21.00	1.300	0.456	/
	DSI1			Right Cheek	0	662000	3930	1	271	0.10	0.190	19.86	21.00	1.300	0.247	/
	DSI1			Right Tilt	0	662000	3930	1	271	-0.02	0.161	19.86	21.00	1.300	0.209	/
	DSI1			Left Cheek	0	650000	3750	135	69	0.11	0.764	19.86	21.00	1.300	0.993	/
	DSI1			Left Tilt	0	650000	3750	135	69	-0.07	0.326	19.86	21.00	1.300	0.424	/

	DSI1			Right Cheek	0	650000	3750	135	69	-0.03	0.184	19.86	21.00	1.300	0.239	/
	DSI1			Right Tilt	0	650000	3750	135	69	0.01	0.152	19.86	21.00	1.300	0.198	/
	DSI1			Left Cheek	0	650000	3750	1	1	-0.08	0.817	19.86	21.00	1.300	**1.062**	93#
	DSI1			Left Cheek	0	656000	3840	1	1	-0.05	0.710	19.85	21.00	1.303	0.925	/
	DSI1			Left Cheek	0	656000	3840	135	0	0.02	0.781	19.82	21.00	1.312	1.025	/
	DSI1			Left Cheek	0	662000	3930	135	138	0.04	0.642	19.83	21.00	1.309	0.840	/
	DSI1			Left Cheek	0	656000	3840	270	0	0.04	0.780	19.83	21.00	1.309	1.021	/
Ant.7-PC3	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	656000	3840	1	271	0.05	0.719	16.90	18.00	1.288	0.926	/
	DSI1			Left Tilt	0	656000	3840	1	271	-0.01	0.326	16.90	18.00	1.288	0.420	/
	DSI1			Right Cheek	0	656000	3840	1	271	0.09	0.178	16.90	18.00	1.288	0.229	/
	DSI1			Right Tilt	0	656000	3840	1	271	0.00	0.143	16.90	18.00	1.288	0.184	/
	DSI1			Left Cheek	0	662000	3930	135	69	-0.10	0.708	16.86	18.00	1.300	0.920	/
	DSI1			Left Tilt	0	662000	3930	135	69	0.03	0.302	16.86	18.00	1.300	0.393	/
	DSI1			Right Cheek	0	662000	3930	135	69	-0.02	0.167	16.86	18.00	1.300	0.217	/
	DSI1			Right Tilt	0	662000	3930	135	69	-0.08	0.145	16.86	18.00	1.300	0.189	/
	DSI1			Left Cheek	0	650000	3750	1	1	-0.08	0.763	16.81	18.00	1.315	1.003	/
	DSI1			Left Cheek	0	662000	3930	1	271	-0.06	0.651	16.82	18.00	1.312	0.854	/
	DSI1			Left Cheek	0	650000	3750	135	69	0.09	0.728	16.86	18.00	1.300	0.946	/
	DSI1			Left Cheek	0	656000	3840	135	0	-0.11	0.625	16.84	18.00	1.306	0.816	/
	DSI1			Left Cheek	0	656000	3840	270	0	-0.10	0.687	16.83	18.00	1.309	0.899	/
Body-worn																
Ant.2-PC2	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	662000	3930	1	137	0.06	0.080	21.17	22.00	1.211	0.097	/
	DSI3			Back Side	15	662000	3930	1	137	-0.04	0.095	21.17	22.00	1.211	0.115	/
	DSI4			Front Side	15	662000	3930	135	69	-0.10	0.076	20.97	22.00	1.268	0.096	/
	DSI3			Back Side	15	662000	3930	135	69	-0.08	0.096	20.97	22.00	1.268	0.122	/
Ant.2-PC3	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	662000	3930	1	137	0.06	0.078	18.25	19.00	1.189	0.093	/
	DSI3			Back Side	15	662000	3930	1	137	-0.02	0.092	18.25	19.00	1.189	0.109	/
	DSI4			Front Side	15	656000	3840	135	69	-0.11	0.071	18.01	19.00	1.256	0.089	/
	DSI3			Back Side	15	656000	3840	135	69	-0.08	0.092	18.01	19.00	1.256	0.116	/
Ant.3-PC2	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	650000	3750	1	1	0.09	0.053	20.32	22.00	1.472	0.078	/
	DSI3			Back Side	15	650000	3750	1	1	-0.02	0.088	20.32	22.00	1.472	0.130	/
	DSI4			Front Side	15	662000	3930	135	69	-0.10	0.046	20.30	22.00	1.479	0.068	/
	DSI3			Back Side	15	662000	3930	135	69	0.03	0.081	20.30	22.00	1.479	0.120	/
Ant.3-PC3	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	650000	3750	1	1	0.07	0.049	17.29	19.00	1.483	0.073	/
	DSI3			Back Side	15	650000	3750	1	1	-0.10	0.085	17.29	19.00	1.483	0.126	/
	DSI4			Front Side	15	656000	3840	135	69	0.01	0.046	17.27	19.00	1.489	0.068	/
	DSI3			Back Side	15	656000	3840	135	69	-0.07	0.083	17.27	19.00	1.489	0.124	/
Ant.5-PC2	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	656000	3840	1	137	-0.11	0.154	25.48	27.00	1.419	**0.219**	94#
	DSI3			Back Side	15	656000	3840	1	271	-0.06	0.080	18.94	19.50	1.138	0.091	/
	DSI4			Front Side	15	650000	3750	135	69	0.01	0.153	25.55	27.00	1.396	0.214	/
	DSI3			Back Side	15	650000	3750	135	69	0.03	0.081	19.05	19.50	1.109	0.090	/
Ant.5-PC3	DSI4	DFT-s-	SA	Front Side	15	656000	3840	1	137	0.06	0.152	22.53	24.00	1.403	0.213	/
	DSI3			Back Side	15	656000	3840	1	271	0.08	0.078	15.94	16.50	1.138	0.089	/

	DSI4	OFDM		Front Side	15	650000	3750	135	69	0.11	0.152	22.51	24.00	1.409	0.214	/
	DSI3	BPSK		Back Side	15	650000	3750	135	69	0.08	0.080	16.04	16.50	1.112	0.089	/
Ant.7-PC2	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	656000	3840	1	1	0.01	0.085	18.86	20.00	1.300	0.111	/
	DSI3			Back Side	15	656000	3840	1	1	0.05	0.165	18.86	20.00	1.300	0.215	/
	DSI4			Front Side	15	656000	3840	135	0	-0.08	0.086	18.86	20.00	1.300	0.112	/
	DSI3			Back Side	15	656000	3840	135	0	-0.01	0.162	18.86	20.00	1.300	0.211	/
Ant.7-PC3	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	656000	3840	1	1	-0.05	0.077	15.89	17.00	1.291	0.099	/
	DSI3			Back Side	15	656000	3840	1	1	-0.04	0.160	15.89	17.00	1.291	0.207	/
	DSI4			Front Side	15	656000	3840	135	69	-0.10	0.072	15.92	17.00	1.282	0.092	/
	DSI3			Back Side	15	656000	3840	135	69	-0.05	0.158	15.92	17.00	1.282	0.203	/
Hotspot																
Ant.2-PC2	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	662000	3930	1	137	-0.07	0.205	21.17	22.00	1.211	0.248	/
	DSI5			Back Side	10	662000	3930	1	137	-0.06	0.206	21.17	22.00	1.211	0.249	/
	DSI5			Left Edge	10	662000	3930	1	137	-0.01	0.249	21.17	22.00	1.211	0.302	/
	DSI5			Top Edge	10	662000	3930	1	137	-0.11	0.067	21.17	22.00	1.211	0.081	/
	DSI5			Front Side	10	662000	3930	135	69	-0.03	0.203	20.97	22.00	1.268	0.257	/
	DSI5			Back Side	10	662000	3930	135	69	-0.06	0.205	20.97	22.00	1.268	0.260	/
	DSI5			Left Edge	10	662000	3930	135	69	0.10	0.236	20.97	22.00	1.268	0.299	/
	DSI5			Top Edge	10	662000	3930	135	69	-0.04	0.061	20.97	22.00	1.268	0.077	/
Ant.2-PC3	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	662000	3930	1	137	0.04	0.203	18.25	19.00	1.189	0.241	/
	DSI5			Back Side	10	662000	3930	1	137	0.05	0.205	18.25	19.00	1.189	0.244	/
	DSI5			Left Edge	10	662000	3930	1	137	-0.05	0.246	18.25	19.00	1.189	0.292	/
	DSI5			Top Edge	10	662000	3930	1	137	0.11	0.063	18.25	19.00	1.189	0.075	/
	DSI5			Front Side	10	656000	3840	135	69	0.06	0.198	18.01	19.00	1.256	0.249	/
	DSI5			Back Side	10	656000	3840	135	69	0.03	0.201	18.01	19.00	1.256	0.252	/
	DSI5			Left Edge	10	656000	3840	135	69	0.07	0.241	18.01	19.00	1.256	0.303	/
	DSI5			Top Edge	10	656000	3840	135	69	0.03	0.065	18.01	19.00	1.256	0.082	/
Ant.3-PC2	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	650000	3750	1	1	0.10	0.128	20.32	22.00	1.472	0.188	/
	DSI5			Back Side	10	650000	3750	1	1	0.06	0.198	20.32	22.00	1.472	0.291	/
	DSI5			Left Edge	10	650000	3750	1	1	0.02	0.433	20.32	22.00	1.472	0.637	/
	DSI5			Front Side	10	662000	3930	135	69	-0.02	0.125	20.30	22.00	1.479	0.185	/
	DSI5			Back Side	10	662000	3930	135	69	-0.09	0.193	20.30	22.00	1.479	0.285	/
	DSI5			Left Edge	10	662000	3930	135	69	0.02	0.430	20.30	22.00	1.479	0.636	/
Ant.3-PC3	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	650000	3750	1	1	0.03	0.125	17.29	19.00	1.483	0.185	/
	DSI5			Back Side	10	650000	3750	1	1	-0.10	0.193	17.29	19.00	1.483	0.286	/
	DSI5			Left Edge	10	650000	3750	1	1	0.03	0.431	17.29	19.00	1.483	0.639	/
	DSI5			Front Side	10	656000	3840	135	69	0.02	0.128	17.27	19.00	1.489	0.191	/
	DSI5			Back Side	10	656000	3840	135	69	0.00	0.196	17.27	19.00	1.489	0.292	/
	DSI5			Left Edge	10	656000	3840	135	69	0.00	0.426	17.27	19.00	1.489	0.634	/
Ant.5-PC2	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	656000	3840	1	271	0.06	0.192	18.94	19.50	1.138	0.218	/
	DSI5			Back Side	10	656000	3840	1	271	-0.04	0.286	18.94	19.50	1.138	0.325	/
	DSI5			Right Edge	10	656000	3840	1	271	-0.03	0.081	18.94	19.50	1.138	0.092	/
	DSI5			Top Edge	10	656000	3840	1	271	0.00	0.461	18.94	19.50	1.138	0.525	/

	DSI5			Front Side	10	650000	3750	135	69	0.04	0.188	19.05	19.50	1.109	0.208	/
	DSI5			Back Side	10	650000	3750	135	69	0.04	0.285	19.05	19.50	1.109	0.316	/
	DSI5			Right Edge	10	650000	3750	135	69	0.08	0.081	19.05	19.50	1.109	0.090	/
	DSI5			Top Edge	10	650000	3750	135	69	-0.02	0.463	19.05	19.50	1.109	0.513	/
Ant.5-PC3	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	656000	3840	1	271	-0.06	0.191	15.94	16.50	1.138	0.217	/
	DSI5			Back Side	10	656000	3840	1	271	-0.02	0.287	15.94	16.50	1.138	0.327	/
	DSI5			Right Edge	10	656000	3840	1	271	0.06	0.079	15.94	16.50	1.138	0.090	/
	DSI5			Top Edge	10	656000	3840	1	271	-0.07	0.456	15.94	16.50	1.138	0.519	/
	DSI5			Front Side	10	650000	3750	135	69	0.06	0.189	16.04	16.50	1.112	0.210	/
	DSI5			Back Side	10	650000	3750	135	69	-0.03	0.288	16.04	16.50	1.112	0.320	/
	DSI5			Right Edge	10	650000	3750	135	69	0.01	0.081	16.04	16.50	1.112	0.090	/
	DSI5			Top Edge	10	650000	3750	135	69	0.01	0.460	16.04	16.50	1.112	0.512	/
Ant.7-PC2	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	656000	3840	1	1	0.05	0.138	18.86	20.00	1.300	0.179	/
	DSI5			Back Side	10	656000	3840	1	1	-0.11	0.356	18.86	20.00	1.300	0.463	/
	DSI5			Right Edge	10	656000	3840	1	1	-0.02	0.557	18.86	20.00	1.300	**0.724**	95#
	DSI5			Top Edge	10	656000	3840	1	1	0.00	0.087	18.86	20.00	1.300	0.113	/
	DSI5			Front Side	10	656000	3840	135	0	0.09	0.141	18.86	20.00	1.300	0.183	/
	DSI5			Back Side	10	656000	3840	135	0	-0.04	0.358	18.86	20.00	1.300	0.465	/
	DSI5			Right Edge	10	656000	3840	135	0	0.04	0.556	18.86	20.00	1.300	0.723	/
	DSI5			Top Edge	10	656000	3840	135	0	0.10	0.085	18.86	20.00	1.300	0.111	/
Ant.7-PC3	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	656000	3840	1	1	-0.04	0.135	15.89	17.00	1.291	0.174	/
	DSI5			Back Side	10	656000	3840	1	1	-0.08	0.354	15.89	17.00	1.291	0.457	/
	DSI5			Right Edge	10	656000	3840	1	1	-0.09	0.552	15.89	17.00	1.291	0.713	/
	DSI5			Top Edge	10	656000	3840	1	1	0.11	0.083	15.89	17.00	1.291	0.107	/
	DSI5			Front Side	10	656000	3840	135	69	0.02	0.136	15.92	17.00	1.282	0.174	/
	DSI5			Back Side	10	656000	3840	135	69	-0.01	0.350	15.92	17.00	1.282	0.449	/
	DSI5			Right Edge	10	656000	3840	135	69	0.07	0.548	15.92	17.00	1.282	0.703	/
	DSI5			Top Edge	10	656000	3840	135	69	0.06	0.084	15.92	17.00	1.282	0.108	/
Body (Sensor-1)																
Ant.5-PC2	DSI4	DFT-s-OFDM BPSK	SA	Front Side	14	656000	3840	1	137	-0.11	0.318	25.48	27.00	1.419	0.451	/
	DSI4			Back Side	16	656000	3840	1	137	0.05	0.354	25.48	27.00	1.419	0.502	/
	DSI4			Left Edge	11	656000	3840	1	137	-0.05	0.085	25.48	27.00	1.419	0.121	/
	DSI4			Top Edge	15	656000	3840	1	137	-0.01	0.723	25.48	27.00	1.419	1.026	/
	DSI4			Front Side	14	650000	3750	135	69	-0.05	0.320	25.55	27.00	1.396	0.447	/
	DSI4			Back Side	16	650000	3750	135	69	-0.10	0.348	25.55	27.00	1.396	0.486	/
	DSI4			Left Edge	11	650000	3750	135	69	0.08	0.081	25.55	27.00	1.396	0.113	/
	DSI4			Top Edge	15	650000	3750	135	69	-0.08	0.685	25.55	27.00	1.396	0.956	/
	DSI4			Top Edge	15	650000	3750	1	271	0.06	0.683	25.35	27.00	1.462	0.999	/
	DSI4			Top Edge	15	662000	3930	1	137	0.11	0.640	25.36	27.00	1.459	0.934	/
	DSI4			Top Edge	15	656000	3840	135	69	-0.04	0.628	25.39	27.00	1.449	0.910	/
	DSI4			Top Edge	15	662000	3930	135	69	-0.08	0.543	25.24	27.00	1.500	0.815	/
	DSI4			Top Edge	15	650000	3750	270	0	0.11	0.614	25.05	26.00	1.245	0.764	/
	DSI4		SA	Front Side	14	656000	3840	1	137	-0.10	0.310	22.53	24.00	1.403	0.435	/

Ant.5-PC3	DSI4	DFT-s-OFDM BPSK		Back Side	16	656000	3840	1	137	0.01	0.348	22.53	24.00	1.403	0.488	/
	DSI4			Left Edge	11	656000	3840	1	137	0.04	0.079	22.53	24.00	1.403	0.111	/
	DSI4			Top Edge	15	656000	3840	1	137	0.06	0.689	22.53	24.00	1.403	0.967	/
	DSI4			Front Side	14	650000	3750	135	69	-0.04	0.303	22.51	24.00	1.409	0.427	/
	DSI4			Back Side	16	650000	3750	135	69	-0.08	0.075	22.51	24.00	1.409	0.106	/
	DSI4			Left Edge	11	650000	3750	135	69	0.05	0.658	22.51	24.00	1.409	0.927	/
	DSI4			Top Edge	15	650000	3750	135	69	0.00	0.521	22.51	24.00	1.409	0.734	/
	DSI4			Top Edge	15	650000	3750	1	271	0.01	0.658	22.38	24.00	1.452	0.955	/
	DSI4			Top Edge	15	662000	3930	1	137	-0.11	0.674	22.39	24.00	1.449	0.977	/
	DSI4			Top Edge	15	656000	3840	135	69	-0.10	0.669	22.43	24.00	1.435	0.960	/
	DSI4			Top Edge	15	662000	3930	135	69	0.02	0.643	22.19	24.00	1.517	0.975	/
	DSI4			Top Edge	15	650000	3750	270	0	-0.08	0.475	22.00	23.00	1.259	0.598	/

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																
Ant.5-PC2	DSI3	DFT-s-OFDM BPSK	SA	Front Side	0	656000	3840	1	271	-0.07	1.280	18.94	19.50	1.138	1.457	/
	DSI3			Back Side	0	656000	3840	1	271	-0.07	1.100	18.94	19.50	1.138	1.252	/
	DSI3			Top Edge	0	656000	3840	1	271	-0.04	1.780	18.94	19.50	1.138	**2.026**	96#
	DSI3			Front Side	0	650000	3750	135	69	0.10	1.310	19.05	19.50	1.109	1.453	/
	DSI3			Back Side	0	650000	3750	135	69	-0.01	1.130	19.05	19.50	1.109	1.253	/
	DSI3			Top Edge	0	650000	3750	135	69	-0.08	1.810	19.05	19.50	1.109	2.007	/
	DSI3			Top Edge	0	650000	3750	1	271	-0.04	1.760	18.90	19.50	1.148	2.020	/
	DSI3			Top Edge	0	662000	3930	1	271	0.05	1.690	18.89	19.50	1.151	1.945	/
	DSI3			Top Edge	0	656000	3840	135	138	-0.05	1.750	18.90	19.50	1.148	2.009	/
	DSI3			Top Edge	0	662000	3930	135	138	-0.01	1.710	18.83	19.50	1.167	1.996	/
	DSI3			Top Edge	0	662000	3930	270	0	-0.05	1.760	18.96	19.50	1.132	1.992	/
Ant.5-PC3	DSI3	DFT-s-OFDM BPSK	SA	Front Side	0	656000	3840	1	271	-0.06	1.260	18.94	19.50	1.138	1.434	/
	DSI3			Back Side	0	656000	3840	1	271	0.02	1.080	18.94	19.50	1.138	1.229	/
	DSI3			Top Edge	0	656000	3840	1	271	-0.09	1.760	18.94	19.50	1.138	2.003	/
	DSI3			Front Side	0	650000	3750	135	69	0.02	1.280	19.05	19.50	1.109	1.420	/
	DSI3			Back Side	0	650000	3750	135	69	-0.11	1.080	19.05	19.50	1.109	1.198	/
	DSI3			Top Edge	0	650000	3750	135	69	-0.09	1.810	19.05	19.50	1.109	2.007	/
	DSI3			Top Edge	0	650000	3750	1	271	0.08	1.750	15.94	16.50	1.138	1.992	/
	DSI3			Top Edge	0	662000	3930	1	271	0.03	1.730	15.86	16.50	1.159	2.005	/
	DSI3			Top Edge	0	656000	3840	135	138	-0.01	1.720	15.96	16.50	1.132	1.947	/
	DSI3			Top Edge	0	662000	3930	135	138	0.00	1.680	15.89	16.50	1.151	1.934	/
	DSI3			Top Edge	0	662000	3930	270	0	0.07	1.770	15.97	16.50	1.130	2.000	/

11.38 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-PC2	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	1	-0.09	0.152	21.27	22.00	1.183	0.180	/
	DSI1			Left Tilt	0	633334	3500.01	1	1	0.05	0.038	21.27	22.00	1.183	0.045	/
	DSI1			Right Cheek	0	633334	3500.01	1	1	0.04	0.333	21.27	22.00	1.183	0.394	/
	DSI1			Right Tilt	0	633334	3500.01	1	1	0.07	0.081	21.27	22.00	1.183	0.096	/
	DSI1			Left Cheek	0	633334	3500.01	135	69	0.07	0.151	21.15	22.00	1.216	0.184	/
	DSI1			Left Tilt	0	633334	3500.01	135	69	0.01	0.035	21.15	22.00	1.216	0.043	/
	DSI1			Right Cheek	0	633334	3500.01	135	69	-0.05	0.321	21.15	22.00	1.216	0.390	/
	DSI1			Right Tilt	0	633334	3500.01	135	69	-0.11	0.083	21.15	22.00	1.216	0.101	/
Ant.2-PC3	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	1	0.08	0.148	18.23	19.00	1.194	0.177	/
	DSI1			Left Tilt	0	633334	3500.01	1	1	0.07	0.037	18.23	19.00	1.194	0.044	/
	DSI1			Right Cheek	0	633334	3500.01	1	1	-0.10	0.318	18.23	19.00	1.194	0.380	/
	DSI1			Right Tilt	0	633334	3500.01	1	1	-0.04	0.076	18.23	19.00	1.194	0.091	/
	DSI1			Left Cheek	0	633334	3500.01	135	69	0.06	0.145	18.14	19.00	1.219	0.177	/
	DSI1			Left Tilt	0	633334	3500.01	135	69	0.11	0.032	18.14	19.00	1.219	0.039	/
	DSI1			Right Cheek	0	633334	3500.01	135	69	-0.08	0.309	18.14	19.00	1.219	0.377	/
	DSI1			Right Tilt	0	633334	3500.01	135	69	0.08	0.079	18.14	19.00	1.219	0.096	/
Ant.3-PC2	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	1	0.11	0.208	21.30	22.00	1.175	0.244	/
	DSI1			Left Tilt	0	633334	3500.01	1	1	0.02	0.067	21.30	22.00	1.175	0.079	/
	DSI1			Right Cheek	0	633334	3500.01	1	1	0.00	0.404	21.30	22.00	1.175	0.475	/
	DSI1			Right Tilt	0	633334	3500.01	1	1	-0.08	0.089	21.30	22.00	1.175	0.105	/
	DSI1			Left Cheek	0	633334	3500.01	135	69	-0.10	0.211	21.06	22.00	1.242	0.262	/
	DSI1			Left Tilt	0	633334	3500.01	135	69	0.11	0.065	21.06	22.00	1.242	0.081	/
	DSI1			Right Cheek	0	633334	3500.01	135	69	0.03	0.395	21.06	22.00	1.242	0.491	/
	DSI1			Right Tilt	0	633334	3500.01	135	69	-0.02	0.068	21.06	22.00	1.242	0.084	/
Ant.3-PC3	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	1	-0.09	0.205	18.30	19.00	1.175	0.241	/
	DSI1			Left Tilt	0	633334	3500.01	1	1	0.01	0.063	18.30	19.00	1.175	0.074	/
	DSI1			Right Cheek	0	633334	3500.01	1	1	0.04	0.389	18.30	19.00	1.175	0.457	/
	DSI1			Right Tilt	0	633334	3500.01	1	1	-0.01	0.085	18.30	19.00	1.175	0.100	/
	DSI1			Left Cheek	0	633334	3500.01	135	69	-0.10	0.203	18.07	19.00	1.239	0.252	/
	DSI1			Left Tilt	0	633334	3500.01	135	69	0.07	0.062	18.07	19.00	1.239	0.077	/
	DSI1			Right Cheek	0	633334	3500.01	135	69	0.06	0.375	18.07	19.00	1.239	0.465	/
	DSI1			Right Tilt	0	633334	3500.01	135	69	0.03	0.064	18.07	19.00	1.239	0.079	/
Ant.5-PC2	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	1	0.03	0.612	16.63	17.50	1.222	0.748	/
	DSI1			Left Tilt	0	633334	3500.01	1	1	0.00	0.725	16.63	17.50	1.222	**0.886**	97#
	DSI1			Right Cheek	0	633334	3500.01	1	1	-0.02	0.468	16.63	17.50	1.222	0.572	/
	DSI1			Right Tilt	0	633334	3500.01	1	1	-0.09	0.586	16.63	17.50	1.222	0.716	/

	DSI1			Left Cheek	0	633334	3500.01	135	0	-0.10	0.594	16.66	17.50	1.213	0.721	/
	DSI1			Left Tilt	0	633334	3500.01	135	0	-0.06	0.708	16.66	17.50	1.213	0.859	/
	DSI1			Right Cheek	0	633334	3500.01	135	0	0.03	0.440	16.66	17.50	1.213	0.534	/
	DSI1			Right Tilt	0	633334	3500.01	135	0	0.05	0.554	16.66	17.50	1.213	0.672	/
	DSI1			Left Tilt	0	633334	3500.01	270	0	-0.03	0.696	16.48	17.50	1.265	0.880	/
Ant.5-PC3	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	1	0.04	0.591	13.66	14.50	1.213	0.717	/
	DSI1			Left Tilt	0	633334	3500.01	1	1	0.07	0.702	13.66	14.50	1.213	0.852	/
	DSI1			Right Cheek	0	633334	3500.01	1	1	-0.02	0.458	13.66	14.50	1.213	0.556	/
	DSI1			Right Tilt	0	633334	3500.01	1	1	0.05	0.573	13.66	14.50	1.213	0.695	/
	DSI1			Left Cheek	0	633334	3500.01	135	0	0.09	0.580	13.71	14.50	1.199	0.695	/
	DSI1			Left Tilt	0	633334	3500.01	135	0	-0.08	0.691	13.71	14.50	1.199	0.829	/
	DSI1			Right Cheek	0	633334	3500.01	135	0	0.04	0.425	13.71	14.50	1.199	0.510	/
	DSI1			Right Tilt	0	633334	3500.01	135	0	-0.05	0.532	13.71	14.50	1.199	0.638	/
	DSI1			Left Tilt	0	633334	3500.01	270	0	-0.05	0.668	13.54	14.50	1.247	0.833	/
Ant.7-PC2	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	1	0.09	0.519	19.86	21.00	1.300	0.675	/
	DSI1			Left Tilt	0	633334	3500.01	1	1	-0.07	0.272	19.86	21.00	1.300	0.354	/
	DSI1			Right Cheek	0	633334	3500.01	1	1	0.06	0.125	19.86	21.00	1.300	0.163	/
	DSI1			Right Tilt	0	633334	3500.01	1	1	0.10	0.113	19.86	21.00	1.300	0.147	/
	DSI1			Left Cheek	0	633334	3500.01	135	0	0.07	0.520	19.84	21.00	1.306	0.679	/
	DSI1			Left Tilt	0	633334	3500.01	135	0	-0.05	0.266	19.84	21.00	1.306	0.347	/
	DSI1			Right Cheek	0	633334	3500.01	135	0	0.01	0.122	19.84	21.00	1.306	0.159	/
	DSI1			Right Tilt	0	633334	3500.01	135	0	-0.04	0.109	19.84	21.00	1.306	0.142	/
Ant.7-PC3	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	633334	3500.01	1	1	-0.05	0.510	16.86	18.00	1.300	0.663	/
	DSI1			Left Tilt	0	633334	3500.01	1	1	-0.08	0.260	16.86	18.00	1.300	0.338	/
	DSI1			Right Cheek	0	633334	3500.01	1	1	0.08	0.115	16.86	18.00	1.300	0.150	/
	DSI1			Right Tilt	0	633334	3500.01	1	1	0.08	0.105	16.86	18.00	1.300	0.137	/
	DSI1			Left Cheek	0	633334	3500.01	135	0	0.03	0.498	16.87	18.00	1.297	0.646	/
	DSI1			Left Tilt	0	633334	3500.01	135	0	-0.11	0.254	16.87	18.00	1.297	0.329	/
	DSI1			Right Cheek	0	633334	3500.01	135	0	0.02	0.116	16.87	18.00	1.297	0.150	/
	DSI1			Right Tilt	0	633334	3500.01	135	0	-0.08	0.103	16.87	18.00	1.297	0.134	/
Body-worn																
Ant.2-PC2	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	633334	3500.01	1	1	0.10	0.053	21.27	22.00	1.183	0.063	/
	DSI3			Back Side	15	633334	3500.01	1	1	-0.03	0.124	21.27	22.00	1.183	0.147	/
	DSI4			Front Side	15	633334	3500.01	135	69	-0.01	0.046	21.15	22.00	1.216	0.056	/
	DSI3			Back Side	15	633334	3500.01	135	69	-0.01	0.097	21.15	22.00	1.216	0.118	/
Ant.2-PC3	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	633334	3500.01	1	1	0.00	0.052	18.23	19.00	1.194	0.062	/
	DSI3			Back Side	15	633334	3500.01	1	1	-0.11	0.123	18.23	19.00	1.194	0.147	/
	DSI4			Front Side	15	633334	3500.01	135	69	-0.04	0.044	18.14	19.00	1.219	0.054	/
	DSI3			Back Side	15	633334	3500.01	135	69	-0.10	0.098	18.14	19.00	1.219	0.119	/
Ant.3-PC2	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	633334	3500.01	1	1	-0.04	0.132	21.30	22.00	1.175	0.155	/
	DSI3			Back Side	15	633334	3500.01	1	1	-0.10	0.191	21.30	22.00	1.175	0.224	/
	DSI4			Front Side	15	633334	3500.01	135	69	0.08	0.128	21.06	22.00	1.242	0.159	/
	DSI3			Back Side	15	633334	3500.01	135	69	0.08	0.189	21.06	22.00	1.242	0.235	/

Ant.3-PC3	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	633334	3500.01	1	1	-0.11	0.124	18.30	19.00	1.175	0.146	/
	DSI3			Back Side	15	633334	3500.01	1	1	-0.02	0.183	18.30	19.00	1.175	0.215	/
	DSI4			Front Side	15	633334	3500.01	135	69	-0.04	0.125	18.07	19.00	1.239	0.155	/
	DSI3			Back Side	15	633334	3500.01	135	69	-0.07	0.186	18.07	19.00	1.239	0.230	/
Ant.5-PC2	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	633334	3500.01	1	1	-0.09	0.169	25.54	27.00	1.400	**0.237**	98#
	DSI3			Back Side	15	633334	3500.01	1	1	-0.05	0.090	18.63	19.50	1.222	0.110	/
	DSI4			Front Side	15	633334	3500.01	135	69	0.05	0.165	25.56	27.00	1.393	0.230	/
	DSI3			Back Side	15	633334	3500.01	135	69	0.09	0.088	18.50	19.50	1.259	0.111	/
Ant.5-PC3	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	633334	3500.01	1	1	0.02	0.163	22.49	24.00	1.416	0.231	/
	DSI3			Back Side	15	633334	3500.01	1	1	-0.06	0.089	15.69	16.50	1.205	0.107	/
	DSI4			Front Side	15	633334	3500.01	135	69	-0.03	0.162	22.54	24.00	1.400	0.227	/
	DSI3			Back Side	15	633334	3500.01	135	138	-0.02	0.086	15.54	16.50	1.247	0.107	/
Ant.7-PC2	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	633334	3500.01	1	271	-0.11	0.065	18.81	20.00	1.315	0.085	/
	DSI3			Back Side	15	633334	3500.01	1	271	0.01	0.113	18.81	20.00	1.315	0.149	/
	DSI4			Front Side	15	633334	3500.01	135	0	0.00	0.063	18.84	20.00	1.306	0.082	/
	DSI3			Back Side	15	633334	3500.01	135	0	-0.02	0.110	18.84	20.00	1.306	0.144	/
Ant.7-PC3	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	633334	3500.01	1	271	-0.08	0.063	15.79	17.00	1.321	0.083	/
	DSI3			Back Side	15	633334	3500.01	1	271	-0.08	0.109	15.79	17.00	1.321	0.144	/
	DSI4			Front Side	15	633334	3500.01	135	69	-0.06	0.059	15.87	17.00	1.297	0.077	/
	DSI3			Back Side	15	633334	3500.01	135	69	0.08	0.108	15.87	17.00	1.297	0.140	/
Hotspot																
Ant.2-PC2	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	1	0.02	0.124	21.27	22.00	1.183	0.147	/
	DSI5			Back Side	10	633334	3500.01	1	1	-0.11	0.314	21.27	22.00	1.183	0.371	/
	DSI5			Left Edge	10	633334	3500.01	1	1	0.11	0.264	21.27	22.00	1.183	0.312	/
	DSI5			Top Edge	10	633334	3500.01	1	1	-0.03	0.125	21.27	22.00	1.183	0.148	/
	DSI5			Front Side	10	633334	3500.01	135	69	-0.02	0.122	21.15	22.00	1.216	0.148	/
	DSI5			Back Side	10	633334	3500.01	135	69	-0.08	0.310	21.15	22.00	1.216	0.377	/
	DSI5			Left Edge	10	633334	3500.01	135	69	-0.01	0.258	21.15	22.00	1.216	0.314	/
	DSI5			Top Edge	10	633334	3500.01	135	69	0.08	0.124	21.15	22.00	1.216	0.151	/
Ant.2-PC3	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	1	0.01	0.125	18.23	19.00	1.194	0.149	/
	DSI5			Back Side	10	633334	3500.01	1	1	-0.02	0.311	18.23	19.00	1.194	0.371	/
	DSI5			Left Edge	10	633334	3500.01	1	1	0.04	0.262	18.23	19.00	1.194	0.313	/
	DSI5			Top Edge	10	633334	3500.01	1	1	-0.01	0.123	18.23	19.00	1.194	0.147	/
	DSI5			Front Side	10	633334	3500.01	135	69	0.07	0.123	18.14	19.00	1.219	0.150	/
	DSI5			Back Side	10	633334	3500.01	135	69	-0.07	0.308	18.14	19.00	1.219	0.375	/
	DSI5			Left Edge	10	633334	3500.01	135	69	-0.09	0.259	18.14	19.00	1.219	0.316	/
	DSI5			Top Edge	10	633334	3500.01	135	69	-0.05	0.120	18.14	19.00	1.219	0.146	/
Ant.3-PC2	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	1	-0.01	0.134	21.30	22.00	1.175	0.157	/
	DSI5			Back Side	10	633334	3500.01	1	1	-0.02	0.186	21.30	22.00	1.175	0.219	/
	DSI5			Left Edge	10	633334	3500.01	1	1	0.03	0.475	21.30	22.00	1.175	**0.558**	99#
	DSI5			Front Side	10	633334	3500.01	135	69	0.08	0.126	21.06	22.00	1.242	0.156	/
	DSI5			Back Side	10	633334	3500.01	135	69	0.00	0.178	21.06	22.00	1.242	0.221	/
	DSI5			Left Edge	10	633334	3500.01	135	69	0.00	0.445	21.06	22.00	1.242	0.553	/

Ant.3-PC3	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	1	0.02	0.125	18.30	19.00	1.175	0.147	/
	DSI5			Back Side	10	633334	3500.01	1	1	-0.09	0.185	18.30	19.00	1.175	0.217	/
	DSI5			Left Edge	10	633334	3500.01	1	1	-0.06	0.448	18.30	19.00	1.175	0.526	/
	DSI5			Front Side	10	633334	3500.01	135	69	-0.07	0.121	18.07	19.00	1.239	0.150	/
	DSI5			Back Side	10	633334	3500.01	135	69	0.10	0.175	18.07	19.00	1.239	0.217	/
	DSI5			Left Edge	10	633334	3500.01	135	69	-0.06	0.443	18.07	19.00	1.239	0.549	/
Ant.5-PC2	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	1	0.02	0.228	18.63	19.50	1.222	0.279	/
	DSI5			Back Side	10	633334	3500.01	1	1	-0.08	0.310	18.63	19.50	1.222	0.379	/
	DSI5			Right Edge	10	633334	3500.01	1	1	0.03	0.050	18.63	19.50	1.222	0.061	/
	DSI5			Top Edge	10	633334	3500.01	1	1	-0.03	0.446	18.63	19.50	1.222	0.545	/
	DSI5			Front Side	10	633334	3500.01	135	69	0.10	0.223	18.50	19.50	1.259	0.281	/
	DSI5			Back Side	10	633334	3500.01	135	69	-0.09	0.305	18.50	19.50	1.259	0.384	/
	DSI5			Right Edge	10	633334	3500.01	135	69	-0.03	0.048	18.50	19.50	1.259	0.060	/
	DSI5			Top Edge	10	633334	3500.01	135	69	0.02	0.432	18.50	19.50	1.259	0.544	/
Ant.5-PC3	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	1	-0.06	0.226	15.69	16.50	1.205	0.272	/
	DSI5			Back Side	10	633334	3500.01	1	1	0.10	0.311	15.69	16.50	1.205	0.375	/
	DSI5			Right Edge	10	633334	3500.01	1	1	0.11	0.048	15.69	16.50	1.205	0.058	/
	DSI5			Top Edge	10	633334	3500.01	1	1	0.07	0.448	15.69	16.50	1.205	0.540	/
	DSI5			Front Side	10	633334	3500.01	135	138	0.03	0.218	15.54	16.50	1.247	0.272	/
	DSI5			Back Side	10	633334	3500.01	135	138	0.02	0.305	15.54	16.50	1.247	0.380	/
	DSI5			Right Edge	10	633334	3500.01	135	138	0.07	0.048	15.54	16.50	1.247	0.060	/
	DSI5			Top Edge	10	633334	3500.01	135	138	-0.01	0.429	15.54	16.50	1.247	0.535	/
Ant.7-PC2	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	271	0.09	0.105	18.81	20.00	1.315	0.138	/
	DSI5			Back Side	10	633334	3500.01	1	271	0.09	0.222	18.81	20.00	1.315	0.292	/
	DSI5			Right Edge	10	633334	3500.01	1	271	-0.06	0.309	18.81	20.00	1.315	0.406	/
	DSI5			Top Edge	10	633334	3500.01	1	271	0.07	0.077	18.81	20.00	1.315	0.101	/
	DSI5			Front Side	10	633334	3500.01	135	0	-0.04	0.102	18.84	20.00	1.306	0.133	/
	DSI5			Back Side	10	633334	3500.01	135	0	-0.02	0.218	18.84	20.00	1.306	0.285	/
	DSI5			Right Edge	10	633334	3500.01	135	0	0.00	0.305	18.84	20.00	1.306	0.398	/
	DSI5			Top Edge	10	633334	3500.01	135	0	0.00	0.074	18.84	20.00	1.306	0.097	/
Ant.7-PC3	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	633334	3500.01	1	271	0.07	0.102	15.79	17.00	1.321	0.135	/
	DSI5			Back Side	10	633334	3500.01	1	271	0.06	0.225	15.79	17.00	1.321	0.297	/
	DSI5			Right Edge	10	633334	3500.01	1	271	0.11	0.305	15.79	17.00	1.321	0.403	/
	DSI5			Top Edge	10	633334	3500.01	1	271	-0.02	0.069	15.79	17.00	1.321	0.091	/
	DSI5			Front Side	10	633334	3500.01	135	69	-0.01	0.104	15.87	17.00	1.297	0.135	/
	DSI5			Back Side	10	633334	3500.01	135	69	-0.02	0.224	15.87	17.00	1.297	0.291	/
	DSI5			Right Edge	10	633334	3500.01	135	69	-0.09	0.273	15.87	17.00	1.297	0.354	/
	DSI5			Top Edge	10	633334	3500.01	135	69	0.11	0.065	15.87	17.00	1.297	0.084	/
Body (Sensor-1)																
Ant.5-PC2	DSI4	DFT-s-OFDM BPSK	SA	Front Side	14	633334	3500.01	1	1	0.02	0.289	25.54	27.00	1.400	0.405	/
	DSI4			Back Side	16	633334	3500.01	1	1	0.02	0.271	25.54	27.00	1.400	0.379	/
	DSI4			Left Edge	11	633334	3500.01	1	1	-0.08	0.078	25.54	27.00	1.400	0.109	/
	DSI4			Top Edge	15	633334	3500.01	1	1	0.09	0.603	25.54	27.00	1.400	0.844	/

	DSI4			Front Side	14	633334	3500.01	135	69	0.01	0.292	25.56	27.00	1.393	0.407	/
	DSI4			Back Side	16	633334	3500.01	135	69	0.01	0.276	25.56	27.00	1.393	0.384	/
	DSI4			Left Edge	11	633334	3500.01	135	69	-0.10	0.080	25.56	27.00	1.393	0.111	/
	DSI4			Top Edge	15	633334	3500.01	135	69	0.05	0.620	25.56	27.00	1.393	0.864	/
	DSI4			Top Edge	15	633334	3500.01	270	0	0.02	0.553	24.99	26.00	1.262	0.698	/
Ant.5-PC3	DSI4	DFT-s-OFDM BPSK	SA	Front Side	14	633334	3500.01	1	1	0.08	0.283	22.49	24.00	1.416	0.401	/
	DSI4			Back Side	16	633334	3500.01	1	1	-0.10	0.265	22.49	24.00	1.416	0.375	/
	DSI4			Left Edge	11	633334	3500.01	1	1	-0.08	0.073	22.49	24.00	1.416	0.103	/
	DSI4			Top Edge	15	633334	3500.01	1	1	0.08	0.601	22.49	24.00	1.416	0.851	/
	DSI4			Front Side	14	633334	3500.01	135	69	-0.04	0.276	22.54	24.00	1.400	0.386	/
	DSI4			Back Side	16	633334	3500.01	135	69	0.03	0.263	22.54	24.00	1.400	0.368	/
	DSI4			Left Edge	11	633334	3500.01	135	69	-0.10	0.075	22.54	24.00	1.400	0.105	/
	DSI4			Top Edge	15	633334	3500.01	135	69	0.01	0.584	22.54	24.00	1.400	0.818	/
	DSI4			Top Edge	15	633334	3500.01	270	0	-0.03	0.492	21.99	23.00	1.262	0.621	/

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																
Ant.5-PC2	DSI3	DFT-s-OFDM BPSK	SA	Front Side	0	633334	3500.01	1	1	0.10	0.905	18.63	19.50	1.222	1.106	/
	DSI3			Back Side	0	633334	3500.01	1	1	-0.07	1.090	18.63	19.50	1.222	1.332	/
	DSI3			Top Edge	0	633334	3500.01	1	1	0.01	1.940	18.63	19.50	1.222	**2.371**	100#
	DSI3			Front Side	0	633334	3500.01	135	69	0.09	0.980	18.50	19.50	1.259	1.234	/
	DSI3			Back Side	0	633334	3500.01	135	69	0.09	1.120	18.50	19.50	1.259	1.410	/
	DSI3			Top Edge	0	633334	3500.01	135	69	0.04	1.830	18.50	19.50	1.259	2.304	/
	DSI3			Top Edge	0	633334	3500.01	270	0	0.04	1.810	18.45	19.50	1.274	2.306	/
Ant.5-PC3	DSI3	DFT-s-OFDM BPSK	SA	Front Side	0	633334	3500.01	1	1	-0.10	0.895	15.69	16.50	1.205	1.078	/
	DSI3			Back Side	0	633334	3500.01	1	1	0.07	1.060	15.69	16.50	1.205	1.277	/
	DSI3			Top Edge	0	633334	3500.01	1	1	0.05	1.920	15.69	16.50	1.205	2.314	/
	DSI3			Front Side	0	633334	3500.01	135	138	0.06	0.912	15.54	16.50	1.247	1.137	/
	DSI3			Back Side	0	633334	3500.01	135	138	0.07	1.060	15.54	16.50	1.247	1.322	/
	DSI3			Top Edge	0	633334	3500.01	135	138	0.05	1.890	15.54	16.50	1.247	2.357	/
	DSI3			Top Edge	0	633334	3500.01	270	0	-0.09	1.790	15.43	16.50	1.279	2.289	/

11.39 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-PC2	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	650000	3750	1	271	0.04	0.109	20.94	22.00	1.276	0.139	/
	DSI1			Left Tilt	0	650000	3750	1	271	0.01	0.085	20.94	22.00	1.276	0.108	/
	DSI1			Right Cheek	0	650000	3750	1	271	-0.07	0.559	20.94	22.00	1.276	0.713	/
	DSI1			Right Tilt	0	650000	3750	1	271	0.08	0.285	20.94	22.00	1.276	0.364	/
	DSI1			Left Cheek	0	650000	3750	135	69	0.01	0.103	20.28	22.00	1.486	0.153	/
	DSI1			Left Tilt	0	650000	3750	135	69	-0.04	0.081	20.28	22.00	1.486	0.120	/
	DSI1			Right Cheek	0	650000	3750	135	69	0.08	0.465	20.28	22.00	1.486	0.691	/
	DSI1			Right Tilt	0	650000	3750	135	69	-0.10	0.206	20.28	22.00	1.486	0.306	/
Ant.2-PC3	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	650000	3750	1	137	0.00	0.103	17.92	19.00	1.282	0.132	/
	DSI1			Left Tilt	0	650000	3750	1	137	-0.09	0.079	17.92	19.00	1.282	0.101	/
	DSI1			Right Cheek	0	650000	3750	1	137	-0.11	0.531	17.92	19.00	1.282	0.681	/
	DSI1			Right Tilt	0	650000	3750	1	137	-0.01	0.268	17.92	19.00	1.282	0.344	/
	DSI1			Left Cheek	0	650000	3750	135	69	0.01	0.096	17.27	19.00	1.489	0.143	/
	DSI1			Left Tilt	0	650000	3750	135	69	0.05	0.073	17.27	19.00	1.489	0.109	/
	DSI1			Right Cheek	0	650000	3750	135	69	-0.11	0.445	17.27	19.00	1.489	0.663	/
	DSI1			Right Tilt	0	650000	3750	135	69	-0.03	0.196	17.27	19.00	1.489	0.292	/
Ant.3-PC2	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	650000	3750	1	1	0.07	0.163	20.38	22.00	1.452	0.237	/
	DSI1			Left Tilt	0	650000	3750	1	1	-0.08	0.054	20.38	22.00	1.452	0.078	/
	DSI1			Right Cheek	0	650000	3750	1	1	0.07	0.331	20.38	22.00	1.452	0.481	/
	DSI1			Right Tilt	0	650000	3750	1	1	-0.10	0.067	20.38	22.00	1.452	0.097	/
	DSI1			Left Cheek	0	650000	3750	135	69	0.00	0.159	20.21	22.00	1.510	0.240	/
	DSI1			Left Tilt	0	650000	3750	135	69	-0.06	0.048	20.21	22.00	1.510	0.072	/
	DSI1			Right Cheek	0	650000	3750	135	69	-0.05	0.296	20.21	22.00	1.510	0.447	/
	DSI1			Right Tilt	0	650000	3750	135	69	-0.07	0.051	20.21	22.00	1.510	0.077	/
Ant.3-PC3	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	650000	3750	1	1	0.08	0.159	17.33	19.00	1.469	0.234	/
	DSI1			Left Tilt	0	650000	3750	1	1	0.00	0.051	17.33	19.00	1.469	0.075	/
	DSI1			Right Cheek	0	650000	3750	1	1	-0.02	0.298	17.33	19.00	1.469	0.438	/
	DSI1			Right Tilt	0	650000	3750	1	1	0.08	0.063	17.33	19.00	1.469	0.093	/
	DSI1			Left Cheek	0	650000	3750	135	69	-0.09	0.149	17.24	19.00	1.500	0.224	/
	DSI1			Left Tilt	0	650000	3750	135	69	0.10	0.043	17.24	19.00	1.500	0.065	/
	DSI1			Right Cheek	0	650000	3750	135	69	0.05	0.286	17.24	19.00	1.500	0.429	/
	DSI1			Right Tilt	0	650000	3750	135	69	0.02	0.046	17.24	19.00	1.500	0.069	/
Ant.5-PC2	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	650000	3750	1	137	0.10	0.709	16.59	17.50	1.233	0.874	/
	DSI1			Left Tilt	0	650000	3750	1	137	-0.05	0.847	16.59	17.50	1.233	**1.044**	101#
	DSI1			Right Cheek	0	650000	3750	1	137	0.05	0.548	16.59	17.50	1.233	0.676	/
	DSI1			Right Tilt	0	650000	3750	1	137	0.04	0.582	16.59	17.50	1.233	0.718	/

	DSI1			Left Cheek	0	650000	3750	135	0	-0.06	0.642	16.61	17.50	1.227	0.788	/
	DSI1			Left Tilt	0	650000	3750	135	0	-0.10	0.832	16.61	17.50	1.227	1.021	/
	DSI1			Right Cheek	0	650000	3750	135	0	0.06	0.558	16.61	17.50	1.227	0.685	/
	DSI1			Right Tilt	0	650000	3750	135	0	0.06	0.649	16.61	17.50	1.227	0.796	/
	DSI1			Left Tilt	0	650000	3750	270	0	0.04	0.773	16.53	17.50	1.250	0.966	/
Ant.5-PC3	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	650000	3750	1	1	-0.07	0.678	13.58	14.50	1.236	0.838	/
	DSI1			Left Tilt	0	650000	3750	1	1	-0.07	0.806	13.58	14.50	1.236	0.996	/
	DSI1			Right Cheek	0	650000	3750	1	1	0.01	0.513	13.58	14.50	1.236	0.634	/
	DSI1			Right Tilt	0	650000	3750	1	1	-0.06	0.554	13.58	14.50	1.236	0.685	/
	DSI1			Left Cheek	0	650000	3750	135	69	-0.02	0.612	13.61	14.50	1.227	0.751	/
	DSI1			Left Tilt	0	650000	3750	135	69	0.02	0.795	13.61	14.50	1.227	0.975	/
	DSI1			Right Cheek	0	650000	3750	135	69	0.10	0.532	13.61	14.50	1.227	0.653	/
	DSI1			Right Tilt	0	650000	3750	135	69	0.05	0.621	13.61	14.50	1.227	0.762	/
	DSI1			Left Tilt	0	650000	3750	270	0	-0.03	0.748	13.54	14.50	1.247	0.933	/
Ant.7-PC2	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	650000	3750	1	1	-0.04	0.651	19.85	21.00	1.303	0.848	/
	DSI1			Left Tilt	0	650000	3750	1	1	-0.11	0.289	19.85	21.00	1.303	0.377	/
	DSI1			Right Cheek	0	650000	3750	1	1	-0.10	0.160	19.85	21.00	1.303	0.208	/
	DSI1			Right Tilt	0	650000	3750	1	1	-0.07	0.133	19.85	21.00	1.303	0.173	/
	DSI1			Left Cheek	0	650000	3750	135	69	-0.01	0.791	19.83	21.00	1.309	1.035	/
	DSI1			Left Tilt	0	650000	3750	135	69	-0.01	0.306	19.83	21.00	1.309	0.401	/
	DSI1			Right Cheek	0	650000	3750	135	69	0.11	0.156	19.83	21.00	1.309	0.204	/
	DSI1			Right Tilt	0	650000	3750	135	69	-0.07	0.135	19.83	21.00	1.309	0.177	/
	DSI1			Left Cheek	0	650000	3750	270	0	0.04	0.705	19.81	21.00	1.315	0.927	/
Ant.7-PC3	DSI1	DFT-s-OFDM BPSK	SA	Left Cheek	0	650000	3750	1	1	0.04	0.635	16.80	18.00	1.318	0.837	/
	DSI1			Left Tilt	0	650000	3750	1	1	-0.10	0.280	16.80	18.00	1.318	0.369	/
	DSI1			Right Cheek	0	650000	3750	1	1	0.02	0.157	16.80	18.00	1.318	0.207	/
	DSI1			Right Tilt	0	650000	3750	1	1	-0.02	0.124	16.80	18.00	1.318	0.163	/
	DSI1			Left Cheek	0	650000	3750	135	69	0.08	0.745	16.86	18.00	1.300	0.969	/
	DSI1			Left Tilt	0	650000	3750	135	69	-0.07	0.293	16.86	18.00	1.300	0.381	/
	DSI1			Right Cheek	0	650000	3750	135	69	0.11	0.152	16.86	18.00	1.300	0.198	/
	DSI1			Right Tilt	0	650000	3750	135	69	0.00	0.130	16.86	18.00	1.300	0.169	/
	DSI1			Right Tilt	0	650000	3750	270	0	0.00	0.678	16.86	18.00	1.300	0.881	/
Body-worn																
Ant.2-PC2	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	650000	3750	1	271	-0.03	0.047	20.94	22.00	1.276	0.060	/
	DSI3			Back Side	15	650000	3750	1	271	-0.07	0.057	20.94	22.00	1.276	0.073	/
	DSI4			Front Side	15	650000	3750	135	69	-0.10	0.043	20.28	22.00	1.486	0.064	/
	DSI3			Back Side	15	650000	3750	135	69	-0.08	0.055	20.28	22.00	1.486	0.082	/
Ant.2-PC3	DSI4	DFT-s-OFDM BPSK	SA	Front Side	15	650000	3750	1	137	0.08	0.046	17.92	19.00	1.282	0.059	/
	DSI3			Back Side	15	650000	3750	1	137	0.09	0.056	17.92	19.00	1.282	0.072	/
	DSI4			Front Side	15	650000	3750	135	69	0.00	0.042	17.27	19.00	1.489	0.063	/
	DSI3			Back Side	15	650000	3750	135	69	-0.06	0.053	17.27	19.00	1.489	0.079	/
Ant.3-PC2	DSI4	DFT-s-	SA	Front Side	15	650000	3750	1	1	-0.10	0.056	20.38	22.00	1.452	0.081	/
	DSI3			Back Side	15	650000	3750	1	1	-0.07	0.112	20.38	22.00	1.452	0.163	/

	DSI4	OFDM		Front Side	15	650000	3750	135	69	0.08	0.054	20.21	22.00	1.510	0.082	/
	DSI3	BPSK		Back Side	15	650000	3750	135	69	0.04	0.094	20.21	22.00	1.510	0.142	/
Ant.3-PC3	DSI4	DFT-s-OFDM	SA	Front Side	15	650000	3750	1	1	-0.01	0.058	17.33	19.00	1.469	0.085	/
	DSI3			Back Side	15	650000	3750	1	1	0.06	0.116	17.33	19.00	1.469	0.170	/
	DSI4			Front Side	15	650000	3750	135	69	-0.01	0.052	17.24	19.00	1.500	0.078	/
	DSI3	BPSK		Back Side	15	650000	3750	135	69	-0.06	0.113	17.24	19.00	1.500	0.170	/
Ant.5-PC2	DSI4	DFT-s-OFDM	SA	Front Side	15	650000	3750	1	1	-0.15	0.226	25.61	27.00	1.377	**0.311**	102#
	DSI3			Back Side	15	650000	3750	1	271	-0.05	0.128	18.65	19.50	1.216	0.156	/
	DSI4			Front Side	15	650000	3750	135	69	0.03	0.210	25.56	27.00	1.393	0.293	/
	DSI3	BPSK		Back Side	15	650000	3750	135	0	-0.04	0.124	18.62	19.50	1.225	0.152	/
Ant.5-PC3	DSI4	DFT-s-OFDM	SA	Front Side	15	650000	3750	1	271	-0.05	0.223	22.61	24.00	1.377	0.307	/
	DSI3			Back Side	15	650000	3750	1	1	-0.03	0.123	15.66	16.50	1.213	0.149	/
	DSI4			Front Side	15	650000	3750	135	69	-0.02	0.219	22.56	24.00	1.393	0.305	/
	DSI3	BPSK		Back Side	15	650000	3750	135	0	-0.03	0.121	15.58	16.50	1.236	0.150	/
Ant.7-PC2	DSI4	DFT-s-OFDM	SA	Front Side	15	650000	3750	1	271	-0.02	0.102	18.83	20.00	1.309	0.134	/
	DSI3			Back Side	15	650000	3750	1	271	0.11	0.192	18.83	20.00	1.309	0.251	/
	DSI4			Front Side	15	650000	3750	135	138	0.09	0.098	18.85	20.00	1.303	0.128	/
	DSI3	BPSK		Back Side	15	650000	3750	135	138	-0.04	0.187	18.85	20.00	1.303	0.244	/
Ant.7-PC3	DSI4	DFT-s-OFDM	SA	Front Side	15	650000	3750	1	1	-0.01	0.096	15.80	17.00	1.318	0.127	/
	DSI3			Back Side	15	650000	3750	1	1	-0.02	0.186	15.80	17.00	1.318	0.245	/
	DSI4			Front Side	15	650000	3750	135	138	-0.06	0.095	15.91	17.00	1.285	0.122	/
	DSI3	BPSK		Back Side	15	650000	3750	135	138	-0.09	0.190	15.91	17.00	1.285	0.244	/
Hotspot																
Ant.2-PC2	DSI5	DFT-s-OFDM	SA	Front Side	10	650000	3750	1	271	0.08	0.110	20.94	22.00	1.276	0.140	/
	DSI5			Back Side	10	650000	3750	1	271	0.04	0.142	20.94	22.00	1.276	0.181	/
	DSI5			Left Edge	10	650000	3750	1	271	-0.03	0.109	20.94	22.00	1.276	0.139	/
	DSI5			Top Edge	10	650000	3750	1	271	-0.08	0.037	20.94	22.00	1.276	0.047	/
	DSI5			Front Side	10	650000	3750	135	69	-0.04	0.108	20.28	22.00	1.486	0.160	/
	DSI5			Back Side	10	650000	3750	135	69	-0.11	0.139	20.28	22.00	1.486	0.207	/
	DSI5			Left Edge	10	650000	3750	135	69	-0.10	0.105	20.28	22.00	1.486	0.156	/
	DSI5			Top Edge	10	650000	3750	135	69	0.04	0.035	20.28	22.00	1.486	0.052	/
Ant.2-PC3	DSI5	DFT-s-OFDM	SA	Front Side	10	650000	3750	1	137	0.03	0.105	17.92	19.00	1.282	0.135	/
	DSI5			Back Side	10	650000	3750	1	137	0.10	0.133	17.92	19.00	1.282	0.171	/
	DSI5			Left Edge	10	650000	3750	1	137	0.07	0.101	17.92	19.00	1.282	0.129	/
	DSI5			Top Edge	10	650000	3750	1	137	0.03	0.035	17.92	19.00	1.282	0.045	/
	DSI5			Front Side	10	650000	3750	135	69	0.10	0.095	17.27	19.00	1.489	0.141	/
	DSI5			Back Side	10	650000	3750	135	69	-0.05	0.124	17.27	19.00	1.489	0.185	/
	DSI5			Left Edge	10	650000	3750	135	69	0.03	0.095	17.27	19.00	1.489	0.141	/
	DSI5			Top Edge	10	650000	3750	135	69	-0.08	0.030	17.27	19.00	1.489	0.045	/
Ant.3-PC2	DSI5	DFT-s-OFDM	SA	Front Side	10	650000	3750	1	1	0.09	0.119	20.38	22.00	1.452	0.173	/
	DSI5			Back Side	10	650000	3750	1	1	0.09	0.178	20.38	22.00	1.452	0.258	/
	DSI5			Left Edge	10	650000	3750	1	1	-0.09	0.411	20.38	22.00	1.452	0.597	/
	DSI5	BPSK		Front Side	10	650000	3750	135	69	0.02	0.115	20.21	22.00	1.510	0.174	/

	DSI5			Back Side	10	650000	3750	135	69	0.00	0.174	20.21	22.00	1.510	0.263	/
	DSI5			Left Edge	10	650000	3750	135	69	-0.09	0.405	20.21	22.00	1.510	0.612	/
Ant.3-PC3	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	650000	3750	1	1	0.00	0.114	17.33	19.00	1.469	0.167	/
	DSI5			Back Side	10	650000	3750	1	1	-0.11	0.172	17.33	19.00	1.469	0.253	/
	DSI5			Left Edge	10	650000	3750	1	1	-0.11	0.413	17.33	19.00	1.469	0.607	/
	DSI5			Front Side	10	650000	3750	135	69	0.11	0.116	17.24	19.00	1.500	0.174	/
	DSI5			Back Side	10	650000	3750	135	69	-0.07	0.170	17.24	19.00	1.500	0.255	/
	DSI5			Left Edge	10	650000	3750	135	69	0.00	0.408	17.24	19.00	1.500	0.612	/
Ant.5-PC2	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	650000	3750	1	271	0.02	0.202	18.65	19.50	1.216	0.246	/
	DSI5			Back Side	10	650000	3750	1	271	-0.10	0.282	18.65	19.50	1.216	0.343	/
	DSI5			Right Edge	10	650000	3750	1	271	-0.05	0.066	18.65	19.50	1.216	0.080	/
	DSI5			Top Edge	10	650000	3750	1	271	-0.04	0.442	18.65	19.50	1.216	0.537	/
	DSI5			Front Side	10	650000	3750	135	0	0.10	0.198	18.62	19.50	1.225	0.243	/
	DSI5			Back Side	10	650000	3750	135	0	-0.04	0.279	18.62	19.50	1.225	0.342	/
	DSI5			Right Edge	10	650000	3750	135	0	0.06	0.063	18.62	19.50	1.225	0.077	/
	DSI5			Top Edge	10	650000	3750	135	0	0.07	0.438	18.62	19.50	1.225	0.537	/
Ant.5-PC3	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	650000	3750	1	1	-0.02	0.196	15.66	16.50	1.213	0.238	/
	DSI5			Back Side	10	650000	3750	1	1	0.08	0.272	15.66	16.50	1.213	0.330	/
	DSI5			Right Edge	10	650000	3750	1	1	0.07	0.062	15.66	16.50	1.213	0.075	/
	DSI5			Top Edge	10	650000	3750	1	1	-0.07	0.435	15.66	16.50	1.213	0.528	/
	DSI5			Front Side	10	650000	3750	135	0	-0.06	0.194	15.58	16.50	1.236	0.240	/
	DSI5			Back Side	10	650000	3750	135	0	-0.09	0.275	15.58	16.50	1.236	0.340	/
	DSI5			Right Edge	10	650000	3750	135	0	0.04	0.065	15.58	16.50	1.236	0.080	/
	DSI5			Top Edge	10	650000	3750	135	0	-0.10	0.431	15.58	16.50	1.236	0.533	/
Ant.7-PC2	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	650000	3750	1	271	-0.09	0.173	18.83	20.00	1.309	0.226	/
	DSI5			Back Side	10	650000	3750	1	271	0.01	0.309	18.83	20.00	1.309	0.404	/
	DSI5			Right Edge	10	650000	3750	1	271	0.03	0.477	18.83	20.00	1.309	**0.624**	103#
	DSI5			Top Edge	10	650000	3750	1	271	0.00	0.069	18.83	20.00	1.309	0.090	/
	DSI5			Front Side	10	650000	3750	135	138	0.09	0.171	18.85	20.00	1.303	0.223	/
	DSI5			Back Side	10	650000	3750	135	138	-0.02	0.305	18.85	20.00	1.303	0.397	/
	DSI5			Right Edge	10	650000	3750	135	138	-0.02	0.471	18.85	20.00	1.303	0.614	/
	DSI5			Top Edge	10	650000	3750	135	138	0.03	0.065	18.85	20.00	1.303	0.085	/
Ant.7-PC3	DSI5	DFT-s-OFDM BPSK	SA	Front Side	10	650000	3750	1	1	-0.08	0.172	15.80	17.00	1.318	0.227	/
	DSI5			Back Side	10	650000	3750	1	1	-0.03	0.301	15.80	17.00	1.318	0.397	/
	DSI5			Right Edge	10	650000	3750	1	1	0.00	0.469	15.80	17.00	1.318	0.618	/
	DSI5			Top Edge	10	650000	3750	1	1	-0.02	0.067	15.80	17.00	1.318	0.088	/
	DSI5			Front Side	10	650000	3750	135	138	-0.05	0.173	15.91	17.00	1.285	0.222	/
	DSI5			Back Side	10	650000	3750	135	138	-0.11	0.298	15.91	17.00	1.285	0.383	/
	DSI5			Right Edge	10	650000	3750	135	138	-0.07	0.462	15.91	17.00	1.285	0.594	/
	DSI5			Top Edge	10	650000	3750	135	138	0.03	0.063	15.91	17.00	1.285	0.081	/
Body (Sensor-1)																
Ant.5-PC2	DSI4	DFT-s-	SA	Front Side	14	650000	3750	1	1	0.00	0.318	25.61	27.00	1.377	0.438	/
	DSI4			Back Side	16	650000	3750	1	1	0.02	0.299	25.61	27.00	1.377	0.412	/

	DSI4	OFDM BPSK		Left Edge	11	650000	3750	1	1	-0.07	0.086	25.61	27.00	1.377	0.118	/
	DSI4			Top Edge	15	650000	3750	1	1	-0.06	0.692	25.61	27.00	1.377	0.953	/
	DSI4			Front Side	14	650000	3750	135	69	0.07	0.325	25.56	27.00	1.393	0.453	/
	DSI4			Back Side	16	650000	3750	135	69	0.07	0.302	25.56	27.00	1.393	0.421	/
	DSI4			Left Edge	11	650000	3750	135	69	0.10	0.085	25.56	27.00	1.393	0.118	/
	DSI4			Top Edge	15	650000	3750	135	69	-0.05	0.710	25.56	27.00	1.393	0.989	/
	DSI4			Top Edge	15	650000	3750	270	0	-0.06	0.582	25.01	26.00	1.256	0.731	/
Ant.5-PC3	DSI4	DFT-s-OFDM BPSK	SA	Front Side	14	650000	3750	1	271	-0.11	0.310	22.61	24.00	1.377	0.427	/
	DSI4			Back Side	16	650000	3750	1	271	-0.07	0.292	22.61	24.00	1.377	0.402	/
	DSI4			Left Edge	11	650000	3750	1	271	0.04	0.083	22.61	24.00	1.377	0.114	/
	DSI4			Top Edge	15	650000	3750	1	271	-0.09	0.684	22.61	24.00	1.377	0.942	/
	DSI4			Front Side	14	650000	3750	135	69	-0.02	0.321	22.56	24.00	1.393	0.447	/
	DSI4			Back Side	16	650000	3750	135	69	-0.04	0.295	22.56	24.00	1.393	0.411	/
	DSI4			Left Edge	11	650000	3750	135	69	-0.11	0.082	22.56	24.00	1.393	0.114	/
	DSI4			Top Edge	15	650000	3750	135	69	0.05	0.685	22.56	24.00	1.393	0.954	/
	DSI4			Top Edge	15	650000	3750	270	0	0.08	0.562	22.02	23.00	1.253	0.704	/

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																
Ant.5-PC2	DSI3	DFT-s-OFDM BPSK	SA	Front Side	0	650000	3750	1	271	-0.06	0.742	18.65	19.50	1.216	0.902	/
	DSI3			Back Side	0	650000	3750	1	271	-0.02	0.910	18.65	19.50	1.216	1.107	/
	DSI3			Top Edge	0	650000	3750	1	271	0.00	1.630	18.65	19.50	1.216	**1.982**	104#
	DSI3			Front Side	0	650000	3750	135	0	-0.07	0.731	18.62	19.50	1.225	0.895	/
	DSI3			Back Side	0	650000	3750	135	0	-0.09	0.902	18.62	19.50	1.225	1.105	/
	DSI3			Top Edge	0	650000	3750	135	0	-0.06	1.610	18.62	19.50	1.225	1.972	/
Ant.5-PC3	DSI3	DFT-s-OFDM BPSK	SA	Front Side	0	650000	3750	1	1	-0.10	0.730	15.66	16.50	1.213	0.885	/
	DSI3			Back Side	0	650000	3750	1	1	0.01	0.892	15.66	16.50	1.213	1.082	/
	DSI3			Top Edge	0	650000	3750	1	1	0.05	1.600	15.66	16.50	1.213	1.941	/
	DSI3			Front Side	0	650000	3750	135	0	0.03	0.725	15.58	16.50	1.236	0.896	/
	DSI3			Back Side	0	650000	3750	135	0	-0.03	0.894	15.58	16.50	1.236	1.105	/
	DSI3			Top Edge	0	650000	3750	135	0	-0.08	1.590	15.58	16.50	1.236	1.965	/

11.40 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	-0.11	0.251	12.94	14.00	1.276	98.55	1.015	**0.325**	105#
	Level1	802.11 b	Left Tilt	0	1	2412	-0.04	0.206	12.94	14.00	1.276	98.55	1.015	0.267	/
	Level1	802.11 b	Right Cheek	0	1	2412	-0.07	0.126	12.94	14.00	1.276	98.55	1.015	0.163	/
	Level1	802.11 b	Right Tilt	0	1	2412	0.12	0.137	12.94	14.00	1.276	98.55	1.015	0.177	/
Body-Wron															
Ant.6	Level2	802.11 b	Front Side	15	11	2462	-0.10	0.054	17.96	19.50	1.426	98.55	1.015	0.078	/
	Level2	802.11 b	Back Side	15	11	2462	0.04	0.072	17.96	19.50	1.426	98.55	1.015	**0.104**	106#
Hotspot															
Ant.6	Level2	802.11 b	Front Side	10	11	2462	-0.09	0.139	17.96	19.50	1.426	98.55	1.015	0.201	/
	Level2	802.11 b	Back Side	10	11	2462	0.05	0.144	17.96	19.50	1.426	98.55	1.015	0.208	/
	Level2	802.11 b	Right Edge	10	11	2462	-0.05	0.055	17.96	19.50	1.426	98.55	1.015	0.080	/
	Level2	802.11 b	Top Edge	10	11	2462	0.02	0.362	17.96	19.50	1.426	98.55	1.015	**0.524**	107#
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	0.07	0.574	17.96	19.50	1.426	98.55	1.015	0.831	/
	Level2	802.11 b	Back Side	0	11	2462	0.01	0.258	17.96	19.50	1.426	98.55	1.015	0.373	/
	Level2	802.11 b	Right Edge	0	11	2462	-0.05	0.168	17.96	19.50	1.426	98.55	1.015	0.243	/
	Level2	802.11 b	Top Edge	0	11	2462	-0.09	0.593	17.96	19.50	1.426	98.55	1.015	**0.858**	108#

11.41 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.8	5.3 G	Level1	802.11 ac (VHT80)	Left Cheek	0	58	5290	-0.05	0.203	11.29	12.50	1.321	92.70	1.079	0.289	/
	5.3 G	Level1	802.11 ac (VHT80)	Left Tilt	0	58	5290	0.02	0.292	11.29	12.50	1.321	92.70	1.079	**0.416**	109#
	5.3 G	Level1	802.11 ac (VHT80)	Right Cheek	0	58	5290	0.09	0.095	11.29	12.50	1.321	92.70	1.079	0.135	/
	5.3 G	Level1	802.11 ac (VHT80)	Right Tilt	0	58	5290	0.06	0.115	11.29	12.50	1.321	92.70	1.079	0.164	/
Ant.8	5.6 G	Level1	802.11 ac (VHT80)	Left Cheek	0	122	5610	0.14	0.143	11.64	12.50	1.219	92.70	1.079	**0.188**	110#
	5.6 G	Level1	802.11 ac (VHT80)	Left Tilt	0	122	5610	-0.04	0.138	11.64	12.50	1.219	92.70	1.079	0.182	/
	5.6 G	Level1	802.11 ac (VHT80)	Right Cheek	0	122	5610	-0.06	0.062	11.64	12.50	1.219	92.70	1.079	0.082	/
	5.6 G	Level1	802.11 ac (VHT80)	Right Tilt	0	122	5610	0.07	0.058	11.64	12.50	1.219	92.70	1.079	0.076	/
Ant.8	5.8 G	Level1	802.11 ac (VHT80)	Left Cheek	0	155	5775	0.07	0.154	11.92	12.50	1.143	92.70	1.079	**0.190**	111#
	5.8 G	Level1	802.11 ac (VHT80)	Left Tilt	0	155	5775	0.09	0.128	11.92	12.50	1.143	92.70	1.079	0.158	/
	5.8 G	Level1	802.11 ac (VHT80)	Right Cheek	0	155	5775	-0.08	0.045	11.92	12.50	1.143	92.70	1.079	0.055	/
	5.8 G	Level1	802.11 ac (VHT80)	Right Tilt	0	155	5775	0.11	0.043	11.92	12.50	1.143	92.70	1.079	0.053	/
Body-worn																
Ant.8	5.3 G	Level2	802.11 a	Front Side	15	52	5260	0.12	0.083	17.18	18.50	1.355	98.04	1.020	0.115	/
	5.3 G	Level2	802.11 a	Back Side	15	52	5260	0.01	0.137	17.18	18.50	1.355	98.04	1.020	**0.189**	112#
Ant.8	5.6 G	Level2	802.11 a	Front Side	15	140	5700	-0.07	0.081	17.71	18.50	1.199	98.04	1.020	0.099	/
	5.6 G	Level2	802.11 a	Back Side	15	140	5700	0.07	0.117	17.71	18.50	1.199	98.04	1.020	**0.143**	113#
Ant.8	5.8 G	Level2	802.11 a	Front Side	15	149	5745	0.12	0.078	17.69	18.50	1.205	98.04	1.020	0.096	/

	5.8 G	Level2	802.11 a	Back Side	15	149	5745	0.04	0.097	17.69	18.50	1.205	98.04	1.020	**0.119**	114#
Hotspot																
Ant.8	5.2 G	Level2	802.11 a	Front Side	10	48	5240	0.02	0.140	17.12	18.50	1.374	98.04	1.020	0.196	/
	5.2 G	Level2	802.11 a	Back Side	10	48	5240	0.03	0.241	17.12	18.50	1.374	98.04	1.020	0.338	/
	5.2 G	Level2	802.11 a	Right Edge	10	48	5240	-0.10	0.228	17.12	18.50	1.374	98.04	1.020	0.320	/
	5.2 G	Level2	802.11 a	Top Edge	10	48	5240	0.09	0.371	17.12	18.50	1.374	98.04	1.020	**0.520**	115#
Ant.8	5.8 G	Level2	802.11 a	Front Side	10	149	5745	0.03	0.118	17.69	18.50	1.205	98.04	1.020	0.145	/
	5.8 G	Level2	802.11 a	Back Side	10	149	5745	0.00	0.159	17.69	18.50	1.205	98.04	1.020	0.195	/
	5.8 G	Level2	802.11 a	Right Edge	10	149	5745	0.02	0.292	17.69	18.50	1.205	98.04	1.020	**0.359**	116#
	5.8 G	Level2	802.11 a	Top Edge	10	149	5745	0.09	0.128	17.69	18.50	1.205	98.04	1.020	0.157	/
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.8	5.3 G	Level2	802.11 a	Front Side	0	52	5260	0.05	0.548	17.18	18.50	1.355	98.04	1.020	0.757	/
	5.3 G	Level2	802.11 a	Back Side	0	52	5260	0.04	0.234	17.18	18.50	1.355	98.04	1.020	0.323	/
	5.3 G	Level2	802.11 a	Right Edge	0	52	5260	-0.08	0.695	17.18	18.50	1.355	98.04	1.020	0.961	/
	5.3 G	Level2	802.11 a	Top Edge	0	52	5260	0.12	0.780	17.18	18.50	1.355	98.04	1.020	**1.078**	117#
Ant.8	5.6 G	Level2	802.11 a	Front Side	0	140	5700	0.05	0.253	17.71	18.50	1.199	98.04	1.020	0.309	/
	5.6 G	Level2	802.11 a	Back Side	0	140	5700	0.11	0.179	17.71	18.50	1.199	98.04	1.020	0.219	/
	5.6 G	Level2	802.11 a	Right Edge	0	140	5700	-0.08	0.475	17.71	18.50	1.199	98.04	1.020	0.581	/
	5.6 G	Level2	802.11 a	Top Edge	0	140	5700	0.04	0.568	17.71	18.50	1.199	98.04	1.020	**0.695**	118#

Ant.8	5.8 G	Level2	802.11 a	Front Side	0	149	5745	0.04	0.392	17.69	18.50	1.205	98.04	1.020	0.482	/
	5.8 G	Level2	802.11 a	Back Side	0	149	5745	0.02	0.161	17.69	18.50	1.205	98.04	1.020	0.198	/
	5.8 G	Level2	802.11 a	Right Edge	0	149	5745	0.05	0.884	17.69	18.50	1.205	98.04	1.020	**1.087**	119#
	5.8 G	Level2	802.11 a	Top Edge	0	149	5745	0.08	0.325	17.69	18.50	1.205	98.04	1.020	0.399	/

11.42 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	0.03	0.105	10.57	11.50	1.239	76.88	1.301	**0.169**	120#
	DH5	Left Tilt	0	39	2441	-0.08	0.071	10.57	11.50	1.239	76.88	1.301	0.114	/
	DH5	Right Cheek	0	39	2441	-0.02	0.048	10.57	11.50	1.239	76.88	1.301	0.077	/
	DH5	Right Tilt	0	39	2441	0.09	0.026	10.57	11.50	1.239	76.88	1.301	0.042	/
Body-Wron														
Ant.6	DH5	Front Side	15	39	2441	-0.10	0.008	10.57	11.50	1.239	76.88	1.301	0.013	/
	DH5	Back Side	15	39	2441	0.05	0.010	10.57	11.50	1.239	76.88	1.301	**0.016**	121#
Hotspot														
Ant.6	DH5	Front Side	10	39	2441	0.07	0.016	10.72	11.50	1.197	76.88	1.301	0.025	/
	DH5	Back Side	10	39	2441	-0.03	0.023	10.72	11.50	1.197	76.88	1.301	0.036	/
	DH5	Right Edge	10	39	2441	0.02	0.001	10.72	11.50	1.197	76.88	1.301	0.002	/
	DH5	Top Edge	10	39	2441	0.03	0.025	10.72	11.50	1.197	76.88	1.301	**0.039**	122#
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	10 g Scaled SAR (W/kg)	Meas. No.
Specific														
Ant.6	DH5	Front Side	0	39	2441	0.12	0.078	10.72	11.50	1.197	76.88	1.301	0.121	/
	DH5	Back Side	0	39	2441	0.12	0.036	10.72	11.50	1.197	76.88	1.301	0.056	/
	DH5	Right Edge	0	39	2441	0.05	0.025	10.72	11.50	1.197	76.88	1.301	0.039	/
	DH5	Top Edge	0	39	2441	-0.06	0.096	10.72	11.50	1.197	76.88	1.301	**0.150**	123#

11.43 NFC SAR

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

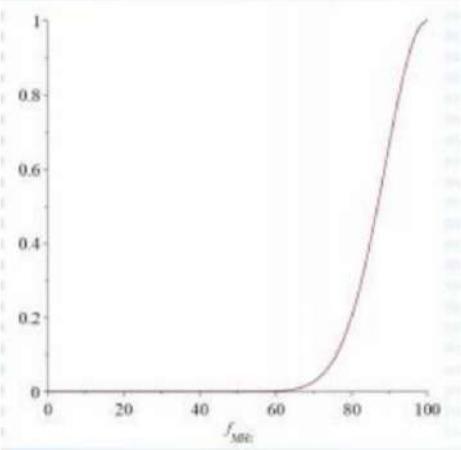
$$P_{7X}(d_{mm}, f_{MHz}) := \begin{cases} P_{6S}(d_{mm}, f_{MHz}) & f_{MHz} \le 100 \\ P_{6to7}(d_{mm}, f_{MHz}) & 100 < f_{MHz} \le 300 \\ P_{7}(d_{mm}, f_{MHz}) & 300 < f_{MHz} \end{cases}$$

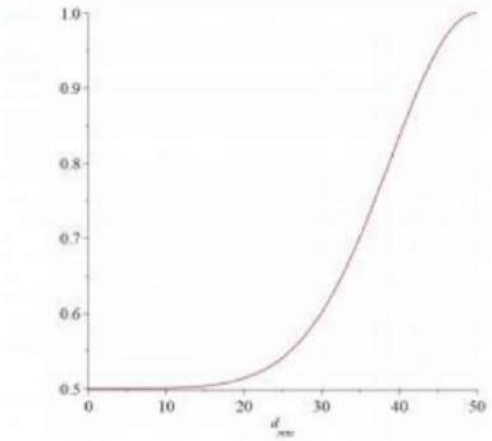
2. For portable products, when using a distance of ≤ 50mm, such as mobile phone NFC, P6s is calculated with the following formula calculate.

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

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

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





d≤50mm				
f Max(MHz)	100		d Max(mm)	50
f MHz	13.56		d(mm)	5
△f(MHz)	100		△d	50
$S_f(f_{MHz})$	0.000568861		S_d（dmm）	0.50015177
P6s(mW)	443.1257378			
Note: SAR testing is required when the distance is 5mm and the power is greater than 443.13mW.				

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

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

a) Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).

b) Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the ERP level (see guidance on determining the applicable antenna gain)

c) Add the appropriate maximum ground reflection factor to the ERP level (6 dB for frequencies ≤ 30 MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies > 1000 MHz).

d) For devices with multiple antenna-ports, measure the power of each individual chain and sum the ERP of all chains in linear terms (e.g., Watts, mW).

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

where:

E = electric field strength in dBμV/m,

ERP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

Mode	f (MHz)	Max. E-Field strength (dBuV/m)	D (m)	Ground reflection factor (dB)	ERP (dBm)
NFC (13.56MHz)	13.56	61.26	10	6	-17.54
Note: 1. Add the appropriate maximum ground reflection factor to the ERP level (6 dB for frequencies ≤ 30 MHz). 2.ERP= 61.26+20*Log(10) - 104.8 + 6 =-17.54 (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)	-17.54	Pmeas.(mW)	0.01762
Pth.(mW)	443.13		
NFC Estimated 1g SAR [W/kg]	＜0.001		

11.43.1 Highest Total Exposure Ratio of Simultaneous Transmission

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

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

The maximum SAR value for Simultaneous Transmission is 1.586 [W/kg]. Therefore, the worst TER =(1.586+0.001)/1.6 = 0.992＜1,the NFC SAR transmit simultaneously Pass.

12 SAR Measurement Variability

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

SAR repeated measurement procedure:

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

Frequency Band (MHz)	Wireless Band	RF Exposure Conditions	Test Position	Highest Measured SAR (W/kg)	Repeated SAR (Yes/No)	Repeated[1th] Measured SAR (W/kg)	Largest to Smallest SAR Radio
1850.2	GSM1900	Head	Right Tilt	0.887	Yes	0.881	1.01
1907.6	WCDMA Band2	Head	Right Tilt	0.907	Yes	0.887	1.02
1907.6	WCDMA Band2	Specific	Top Edge	2.000	Yes	1.930	1.04
1752.6	WCDMA Band4	Head	Right Tilt	0.949	Yes	0.925	1.03
846.6	WCDMA Band5	Head	Right Cheek	0.806	Yes	0.802	1.00
844	LTE Band5	Head	Right Cheek	0.882	Yes	0.863	1.02
1770	LTE Band66	Head	Right Tilt	0.832	Yes	0.815	1.02
2580	LTE Band38	Head	Right Cheek	0.808	Yes	0.786	1.03
2580	LTE Band38	Specific	Left Edge	2.260	Yes	2.130	1.06
3590	LTE Band42	Head	Left Tilt	0.810	Yes	0.795	1.02
3690	LTE Band48	Head	Left Tilt	0.801	Yes	0.796	1.01

1880	NR n2	Head	Right Tilt	0.854	Yes	0.848	1.01
1890	NR n2	Specific	Top Edge	2.170	Yes	2.130	1.02
2592.99	NR n41	Head	Right Cheek	0.877	Yes	0.851	1.03
2592.99	NR n41	Specific	Left Edge	2.010	Yes	1.950	1.03
3750	NR n77	Head	Left Cheek	0.817	Yes	0.817	1.00
3750	NR n78	Head	Left Tilt	0.847	Yes	0.835	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.							

13 SIMULTANEOUS TRANSMISSION

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

13.1 Simultaneous Transmission Mode Consider

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

Note:

1. WiFi 2.4G and Bluetooth share the same antenna, and can't transmit simultaneously.
2. The maximum SAR summation is calculated based on the same configuration and test position.
3. When stand-alone SAR is not required for a side of antenna, its SAR is considered zero in the SAR summing process to assess Multi-band transmission SAR compliance.
4. The simultaneous transmission combinations of the more antennas contain combinations of less antennas, so only the worst simultaneous transmission combinations is shown in this report.

13.2 Sum SAR of Simultaneous Transmission

Please refer the document “BL-SZ2571545-AST.pdf”.

14 TEST EQUIPMENTS LIST

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
PC	Dell	N/A	N/A	N/A	N/A
Test Software	Speag	DASY5	52.8.8.1222	N/A	N/A
Test Software	Speag	DASY8	16.2.2.1588	N/A	N/A
750MHz Validation Dipole	Speag	D750V3	SN: 1208	2024/08/19	2027/08/18
835MHz Validation Dipole	Speag	D835V2	SN: 4d187	2024/05/08	2027/05/07
1750MHz Validation Dipole	Speag	D1750V2	SN: 1130	2024/05/08	2027/05/07
1950MHz Validation Dipole	Speag	D1950V3	SN: 1240	2024/08/22	2027/08/21
2450MHz Validation Dipole	Speag	D2450V2	SN: 952	2024/05/07	2027/05/06
2600MHz Validation Dipole	Speag	D2600V2	SN: 1095	2024/05/08	2027/05/07
3500MHz Validation Dipole	Speag	D3500V2	SN: 1129	2024/07/19	2027/07/18
3700MHz Validation Dipole	Speag	D3700V2	SN: 1101	2024/07/18	2027/07/17
3900MHz Validation Dipole	Speag	D3900V2	SN: 1077	2024/07/19	2027/07/18
5GHz Validation Dipole	Speag	D5GHzV2	SN: 1200	2024/05/09	2027/05/08
Data Acquisition Electronics	Speag	DAE4	SN: 878	2025/03/05	2026/03/04
Data Acquisition Electronics	Speag	DAE4	SN: 1710	2025/01/20	2026/01/19
Data Acquisition Electronics	Speag	DAE4	SN: 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: 7664	2025/06/30	2026/06/29
E-Field Probe	Speag	EX3DV4	SN: 3974	2025/06/05	2026/06/04
Signal Generator	Keysight	N5173B	MY62150163	2025/07/15	2026/07/14
Power Meter	R&S	NRVD-B2	835843/014	2025/07/15	2026/07/14
Power Sensor	R&S	NRV-Z4	100381	2025/07/15	2026/07/14
Power Sensor	R&S	NRV-Z2	100211	2025/07/15	2026/07/14
Wireless Communication Test Set	Anritsu	MT8820C	6201144551	2025/04/30	2026/04/29
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	EF7239002652	2024/09/14	2025/09/13
Thermometer	Elitech	RC-4	EF5238001629	2024/09/11	2025/09/10
Thermometer	Elitech	RC-4HC	EF720B004813	2024/10/24	2025/10/23
Thermometer	Elitech	RC-4HC	EF720B004817	2024/10/24	2025/10/23
Thermometer	Elitech	RC-4HC	EF7239002655	2024/10/31	2025/10/30
Thermometer	Elitech	RC-4HC	EF7216002974	2024/10/31	2025/10/30
Power Amplifier	Mini-Circuits	ZVA-183W-S+	932502132	N/A	N/A
Dielectric Probe Kit	Speag	DAK3.5	SN: 1312	N/A	N/A
Phantom	Speag	SAM	SN: 2090	N/A	N/A

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
Phantom	Speag	SAM	SN: 1576	N/A	N/A
Phantom	Speag	SAM	SN: 1859	N/A	N/A
Attenuator	COM-MW	ZA-S1-31	1305003187	N/A	N/A
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. (℃)	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ε)	Target Conductivity (σ) (S/m)	Target Permittivity (ε)	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2025.07.23	Head	835	21.6	0.91	41.27	0.90	41.50	1.11	-0.55
2025.07.24	Head	835	21.4	0.91	40.70	0.90	41.50	1.11	-1.93
2025.07.27	Head	835	21.5	0.90	41.53	0.90	41.50	0.00	0.07
2025.07.28	Head	835	21.4	0.87	42.68	0.90	41.50	-3.33	2.84
2025.07.29	Head	835	21.7	0.89	41.51	0.90	41.50	-1.11	0.02
2025.07.30	Head	835	21.5	0.91	41.98	0.90	41.50	1.11	1.16
2025.07.31	Head	835	21.3	0.90	41.85	0.90	41.50	0.00	0.84
2025.08.01	Head	1750	21.2	1.40	38.82	1.37	40.08	2.19	-3.14
2025.08.02	Head	1750	21.7	1.41	38.81	1.37	40.08	2.92	-3.17
2025.08.03	Head	1750	21.5	1.36	39.50	1.37	40.08	-0.73	-1.45
2025.07.18	Head	1750	21.5	1.39	40.09	1.37	40.08	1.46	0.03
2025.07.19	Head	1750	21.3	1.35	40.83	1.37	40.08	-1.46	1.87
2025.07.20	Head	1750	21.7	1.36	39.35	1.37	40.08	-0.73	-1.82
2025.07.21	Head	1950	21.5	1.44	38.63	1.40	40.00	2.86	-3.43
2025.07.22	Head	1950	21.5	1.42	40.04	1.40	40.00	1.43	0.10
2025.07.23	Head	1950	21.8	1.44	38.63	1.40	40.00	2.86	-3.43
2025.07.24	Head	1950	21.6	1.44	40.10	1.40	40.00	2.86	0.25
2025.07.18	Head	2450	21.7	1.79	39.17	1.80	39.20	-0.56	-0.08
2025.07.25	Head	2600	21.6	1.98	38.46	1.96	39.01	1.02	-1.41
2025.07.26	Head	2600	21.7	1.95	39.23	1.96	39.01	-0.51	0.56
2025.07.27	Head	2600	21.7	1.96	37.71	1.96	39.01	0.00	-3.33
2025.07.28	Head	2600	21.5	2.01	38.27	1.96	39.01	2.55	-1.90
2025.07.29	Head	2600	21.5	2.00	39.57	1.96	39.01	2.04	1.44
2025.07.30	Head	2600	21.3	1.93	38.32	1.96	39.01	-1.53	-1.77
2025.07.31	Head	2600	21.6	2.01	37.71	1.96	39.01	2.55	-3.33
2025.08.01	Head	2600	21.8	1.99	38.35	1.96	39.01	1.53	-1.69
2025.08.02	Head	2600	21.5	1.96	38.75	1.96	39.01	0.00	-0.67
2025.08.03	Head	2600	21.4	1.93	38.30	1.96	39.01	-1.53	-1.82
2025.08.04	Head	2600	21.6	1.94	38.98	1.96	39.01	-1.02	-0.08
2025.08.05	Head	2600	21.6	1.93	38.65	1.96	39.01	-1.53	-0.92
2025.08.06	Head	3500	21.4	2.94	37.13	2.91	37.93	1.03	-2.11
2025.08.07	Head	3500	21.6	2.96	37.22	2.91	37.93	1.72	-1.87
2025.08.08	Head	3500	21.6	2.85	38.14	2.91	37.93	-2.06	0.55

2025.08.09	Head	3500	21.4	2.86	38.65	2.91	37.93	-1.72	1.90
2025.07.19	Head	3500	21.3	2.89	37.93	2.91	37.93	-0.69	0.00
2025.07.20	Head	3500	21.6	2.87	37.22	2.91	37.93	-1.37	-1.87
2025.07.22	Head	3500	21.5	2.82	37.56	2.91	37.93	-3.09	-0.98
2025.07.23	Head	3700	21.8	3.09	36.43	3.12	37.70	-0.96	-3.37
2025.07.24	Head	3700	21.5	3.08	36.95	3.12	37.70	-1.28	-1.99
2025.08.04	Head	3700	21.6	3.15	36.71	3.12	37.70	0.96	-2.63
2025.08.05	Head	3700	21.5	3.15	36.53	3.12	37.70	0.96	-3.10
2025.08.06	Head	3700	21.6	3.06	37.06	3.12	37.70	-1.92	-1.70
2025.08.07	Head	3700	21.5	3.15	36.64	3.12	37.70	0.96	-2.81
2025.08.08	Head	3700	21.6	3.03	38.81	3.12	37.70	-2.88	2.94
2025.07.25	Head	3700	21.4	3.05	38.62	3.12	37.70	-2.24	2.44
2025.08.09	Head	3900	21.5	3.26	36.48	3.32	37.47	-1.81	-2.64
2025.07.26	Head	3900	21.7	3.39	37.80	3.32	37.47	2.11	0.88
2025.07.27	Head	3900	21.5	3.24	36.75	3.32	37.47	-2.41	-1.92
2025.07.28	Head	5250	21.3	4.71	36.49	4.71	35.93	0.00	1.56
2025.07.29	Head	5600	21.4	4.98	34.80	5.07	35.53	-1.78	-2.05
2025.07.31	Head	5750	21.5	5.03	36.45	5.22	35.36	-3.64	3.08
2025.08.10	Head	750	21.5	0.92	41.22	0.89	41.94	3.37	-1.72
2025.08.11	Head	750	21.4	0.92	41.45	0.89	41.94	3.37	-1.17
2025.08.12	Head	835	21.3	0.91	41.55	0.90	41.50	1.11	0.12
2025.08.13	Head	1750	21.5	1.41	39.46	1.37	40.08	2.92	-1.55
2025.08.16	Head	1950	21.7	1.44	41.02	1.40	40.00	2.86	2.55
2025.08.18	Head	2600	21.6	1.98	38.61	1.96	39.01	1.02	-1.03
Note: The tolerance limit of Conductivity and Permittivity is± 5%.									

ANNEX B SYSTEM CHECK RESULT

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

Head liquid 1g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2025.07.23	Head	835	100	0.991	9.91	9.74	1.75
2025.07.24	Head	835	100	0.974	9.74	9.74	0.00
2025.07.27	Head	835	100	0.976	9.76	9.74	0.21
2025.07.28	Head	835	100	0.964	9.64	9.74	-1.03
2025.07.29	Head	835	100	0.975	9.75	9.74	0.10
2025.07.30	Head	835	100	0.965	9.65	9.74	-0.92
2025.07.31	Head	835	100	0.962	9.62	9.74	-1.23
2025.08.01	Head	1750	100	3.730	37.30	37.00	0.81
2025.08.02	Head	1750	100	3.680	36.80	37.00	-0.54
2025.08.03	Head	1750	100	3.790	37.90	37.00	2.43
2025.07.18	Head	1750	100	3.720	37.20	37.00	0.54
2025.07.19	Head	1750	100	3.650	36.50	37.00	-1.35
2025.07.20	Head	1750	100	3.630	36.30	37.00	-1.89
2025.07.21	Head	1950	100	4.150	41.50	41.70	-0.48
2025.07.22	Head	1950	100	4.140	41.40	41.70	-0.72
2025.07.23	Head	1950	100	4.210	42.10	41.70	0.96
2025.07.24	Head	1950	100	4.140	41.40	41.70	-0.72
2025.07.18	Head	2450	100	5.220	52.20	52.60	-0.76
2025.07.25	Head	2600	100	5.620	56.20	55.90	0.54
2025.07.26	Head	2600	100	5.650	56.50	55.90	1.07
2025.07.27	Head	2600	100	5.520	55.20	55.90	-1.25
2025.07.28	Head	2600	100	5.550	55.50	55.90	-0.72
2025.07.29	Head	2600	100	5.520	55.20	55.90	-1.25
2025.07.30	Head	2600	100	5.520	55.20	55.90	-1.25
2025.07.31	Head	2600	100	5.630	56.30	55.90	0.72
2025.08.01	Head	2600	100	5.580	55.80	55.90	-0.18
2025.08.02	Head	2600	100	5.650	56.50	55.90	1.07
2025.08.03	Head	2600	100	5.550	55.50	55.90	-0.72
2025.08.04	Head	2600	100	5.570	55.70	55.90	-0.36
2025.08.05	Head	2600	100	5.550	55.50	55.90	-0.72
2025.08.06	Head	3500	100	6.780	67.80	68.00	-0.29
2025.08.07	Head	3500	100	6.870	68.70	68.00	1.03
2025.08.08	Head	3500	100	6.860	68.60	68.00	0.88
2025.08.09	Head	3500	100	6.810	68.10	68.00	0.15
2025.07.19	Head	3500	100	6.740	67.40	68.00	-0.88

2025.07.20	Head	3500	100	6.820	68.20	68.00	0.29
2025.07.22	Head	3500	100	6.880	68.80	68.00	1.18
2025.07.23	Head	3700	100	6.780	67.80	66.70	1.65
2025.07.24	Head	3700	100	6.710	67.10	66.70	0.60
2025.08.04	Head	3700	100	6.680	66.80	66.70	0.15
2025.08.05	Head	3700	100	6.640	66.40	66.70	-0.45
2025.08.06	Head	3700	100	6.740	67.40	66.70	1.05
2025.08.07	Head	3700	100	6.750	67.50	66.70	1.20
2025.08.08	Head	3700	100	6.650	66.50	66.70	-0.30
2025.07.25	Head	3700	100	6.820	68.20	66.70	2.25
2025.08.09	Head	3900	100	6.950	69.50	67.60	2.81
2025.07.26	Head	3900	100	6.910	69.10	67.60	2.22
2025.07.27	Head	3900	100	6.860	68.60	67.60	1.48
2025.07.28	Head	5250	100	7.520	75.20	77.70	-3.22
2025.07.29	Head	5600	100	8.230	82.30	81.30	1.23
2025.07.31	Head	5750	100	8.010	80.10	77.60	3.22
2025.08.10	Head	750	100	0.842	8.42	8.46	-0.47
2025.08.11	Head	750	100	0.852	8.52	8.46	0.71
2025.08.12	Head	835	100	0.978	9.78	9.74	0.41
2025.08.13	Head	1750	100	3.650	36.50	37.00	-1.35
2025.08.16	Head	1950	100	4.110	41.10	41.70	-1.44
2025.08.18	Head	2600	100	5.540	55.40	55.90	-0.89
Note: The tolerance limit of System validation ±10%.							

Head liquid 10g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2025.08.01	Head	1750	100	1.970	19.70	19.70	0.00
2025.08.02	Head	1750	100	1.970	19.70	19.70	0.00
2025.08.03	Head	1750	100	1.980	19.80	19.70	0.51
2025.07.18	Head	1750	100	1.950	19.50	19.70	-1.02
2025.07.19	Head	1750	100	1.970	19.70	19.70	0.00
2025.07.20	Head	1750	100	1.950	19.50	19.70	-1.02
2025.07.21	Head	1950	100	2.140	21.40	21.70	-1.38
2025.07.22	Head	1950	100	2.120	21.20	21.70	-2.30
2025.07.23	Head	1950	100	2.140	21.40	21.70	-1.38
2025.07.24	Head	1950	100	2.160	21.60	21.70	-0.46
2025.07.18	Head	2450	100	2.550	25.50	24.70	3.24
2025.07.25	Head	2600	100	2.570	25.70	25.40	1.18
2025.07.27	Head	2600	100	2.510	25.10	25.40	-1.18
2025.07.29	Head	2600	100	2.460	24.60	25.40	-3.15
2025.07.30	Head	2600	100	2.540	25.40	25.40	0.00
2025.07.31	Head	2600	100	2.480	24.80	25.40	-2.36
2025.08.02	Head	2600	100	2.630	26.30	25.40	3.54
2025.08.05	Head	2600	100	2.610	26.10	25.40	2.76
2025.08.06	Head	3500	100	2.630	26.30	26.10	0.77
2025.08.07	Head	3500	100	2.550	25.50	26.10	-2.30
2025.08.08	Head	3500	100	2.580	25.80	26.10	-1.15
2025.08.09	Head	3500	100	2.670	26.70	26.10	2.30
2025.08.04	Head	3700	100	2.460	24.60	24.60	0.00
2025.08.05	Head	3700	100	2.560	25.60	24.60	4.07
2025.08.06	Head	3700	100	2.530	25.30	24.60	2.85
2025.08.07	Head	3700	100	2.510	25.10	24.60	2.03
2025.08.08	Head	3700	100	2.560	25.60	24.60	4.07
2025.08.09	Head	3900	100	2.460	24.60	23.60	4.24
2025.07.27	Head	3900	100	2.370	23.70	23.60	0.42
2025.07.28	Head	5250	100	2.230	22.30	22.00	1.36
2025.07.29	Head	5600	100	2.360	23.60	23.10	2.16
2025.07.31	Head	5750	100	2.250	22.50	21.90	2.74
2025.08.13	Head	1750	100	1.950	19.50	19.70	-1.02
2025.08.16	Head	1950	100	2.140	21.40	21.70	-1.38
Note: The tolerance limit of System validation ±10%.							

Please refer the document “BL-SZ2571545-ASC.pdf”.

ANNEX C TEST DATA

Please refer the document “BL-SZ2571545-ATD.pdf”.

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2571545-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ2571545-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “BL-SZ2571545-AC.pdf”.

ANNEX G TUNE-UP PROCEDURE

Please refer the document “BL-SZ2571545 AT.pdf”.

Statement

1. The laboratory guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.
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--END OF REPORT--