

TEST REPORT

Applicant: Siyata North America Inc.
Address: 1751 Rue Richardson Suite 2207, Montreal, QC
H3K 1G6
Equipment Type: Siyata SD7 Ultra E
Model Name: SD7 Ultra E
Brand Name: Siyata
FCC ID: 2AOCXSD7ULTRA E
Test Standard: FCC 47 CFR Part 2.1093
(refer section 3.1)
Maximum SAR: Body-worn (1 g@0mm): 0.80 W/kg
Hotspot (1 g@10mm): 0.77 W/kg
Front of face (1 g@10mm): 0.76W/kg
Sample Arrival Date: Jun. 10, 2026
Test Date: Jul. 06, 2026 - Jul. 19, 2026
Date of Issue: Aug. 18, 2026

ISSUED BY:

Shanghai Tejet Communications Technology Co., Ltd. Testing Center

**Prepared by:** Huang Xiaoqin**Reviewed by:** Cai Xueguo**Approved by:** Zhang Yanqing
(Laboratory Manager)

Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Aug. 18, 2026</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shanghai Tejet Communications Technology Co., Ltd. Testing Center
Address	1-2/F., Building 1, No.222, Xuanlan Road, Xuanqiao, Pudong New District, Shanghai, China

1.2 Test Location

Name	Shanghai Tejet Communications Technology Co., Ltd. Testing Center
Location	1-2/F., Building 1, No.222, Xuanlan Road, Xuanqiao, Pudong New District, Shanghai, China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1352. The laboratory is a testing organization accredited by ISED as a accredited testing laboratory. The company number is 29671 and CAB identifier number is CN0142.

1.3 Test Environment Condition

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

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Siyata North America Inc.
Address	1751 Rue Richardson Suite 2207, Montreal, QC H3K 1G6

2.2 Manufacturer Information

Manufacturer	Siyata North America Inc.
Address	1751 Rue Richardson Suite 2207, Montreal, QC H3K 1G6

2.3 General Description for Equipment under Test (EUT)

EUT Name	Siyata SD7 Ultra E
Model Name Under Test	SD7 Ultra E
Series Model Name	N/A
Description of Model name differentiation	N/A
Sample Number	CC26050143-001-S13(IMEI:359003870001014)
Hardware Version	P2
Software Version	7GAT0F23JUL6UU
Dimensions (Approx.)	L:56.5mm*W:42.5mm*H:2.95mm
Weight (Approx.)	N/A

2.4 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	N/A
	Model No.	SD7 Ultra
	Serial No.	N/A
	Capacity	5100mAh
	Rated Voltage	3.85V
	Limit Charge Voltage	4.4V

2.5 Technical Information

Network and Wireless connectivity	LTE FDD 2/4/5/7/12/13/14/17/25/26/30/66/71 TDD 38/41/42/43/48 ULCA: CA_5B,CA_7C,CA_38C,CA_41C,CA_42C,CA_48C,CA_66C 5G SA: n2/n5/n7/n12/n13/n14/n25/n26/n30/n38/n41/n48/n66/n71/n77/n78 ENDC:DC_2A_n5A,DC_2A_n12A,DC_2A_n14A,DC_2A_n30A,DC_2A_n66A,DC_2A_n41A,DC_2A_n71A,DC_2A_n78A,DC_2A_n38A,DC_2A_n7A,DC_2A_n77A,DC_4A_n41A,DC_4A_n38A,DC_4A_n78A,DC_4A_n2A,DC_4A_n7A,DC_5A_n2A,DC_5A_n30A,DC_5A_n66A,DC_5A_n78A,DC_5A_n71A,DC_5A_n7A,DC_5A_n41A,DC_5A_n38A,DC_5A_n77A,DC_5A_n25A,DC_5A_n12A,DC_7A_n78A,DC_7A_n5A,DC_7A_n71A,DC_7A_n12A,DC_7A_n66A,DC_7A_n77A,DC_7A_n2A,DC_7A_n25A,DC_12A_n5A,DC_12A_n30A,DC_12A_n66A,DC_12A_n2A,DC_12A_n78A,DC_12A_n7A,DC_12A_n38A,DC_12A_n25A,DC_12A_n41A,DC_12A_n77A,DC_13A_n5A,DC_13A_n66A,DC_13A_n2A,DC_13A_n78A,DC_13A_n7A,DC_13A_n77A,DC_13A_n25A,DC_14A_n2A,DC_14A_n30A,DC_14A_n66A,DC_14A_n77A,DC_25A_n41A,DC_25A_n78A,DC_25A_n77A,DC_26A_n41A,DC_26A_n78A,DC_26A_n25A,DC_30A_n2A,DC_30A_n5A,DC_30A_n12A,DC_30A_n66A,DC_30A_n77A,DC_38A_n78A,DC_41A_n77A,DC_41A_n78A,DC_66A_n5A,DC_66A_n12A,DC_66A_n14A,DC_66A_n30A,DC_66A_n2A,DC_66A_n71A,DC_66A_n25A,DC_66A_n41A,DC_66A_n78A,DC_66A_n7A,DC_66A_n38A,DC_66A_n77A,DC_71A_n2A,DC_71A_n66A,DC_71A_n7A,DC_71A_n78A,DC_71A_n38A,DC_71A_n41A,DC_71A_n25A,DC_71A_n77A,DC_71A_n5A,DC_2A_n48A,DC_5A_n48A,DC_13A_n48A,DC_48A_n2A,DC_48A_n5A,DC_48A_n66A,DC_48A_n25A,DC_48A_n71A,DC_48A_n12A,DC_66A_n48A UL MIMO: n38/n41/n48/n77/n78 Bluetooth(BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40), 802.11ax(HE20/40) 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80/160),802.11ax(HE20/40/80/160) GPS, GLONASS, BDS, Galileo, NFC
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The requirement for the following technical information of the EUT was tested in this report:

Operating Mode	LTE; NR; WLAN; Bluetooth; NFC		
Frequency Range	LTE Band 2	TX: 1850 ~ 1910MHz	RX: 1930 ~ 1990MHz
	LTE Band 4	TX: 1710 ~ 1755MHz	RX: 2110 ~ 2155MHz
	LTE Band 5	TX: 824 ~ 849MHz	RX: 869 ~ 894MHz
	LTE Band 7	TX: 2500 ~ 2570MHz	RX: 2620 ~ 2690MHz
	LTE Band 12	TX: 699-716MHz	RX: 729-746MHz
	LTE Band 13	TX: 777-787MHz	RX: 746-756MHz
	LTE Band 14	TX: 788-798MHz	RX: 758-768MHz

Operating Mode	LTE; NR; WLAN; Bluetooth; NFC		
	LTE Band 17	TX: 704-716MHz	RX: 734-746MHz
	LTE Band 25	TX: 1850-1915MHz	RX:1930-1995MHz
	LTE Band 26	TX: 814-849MHz	RX:859-894MHz
	LTE Band 30	TX: 2305-2315MHz	RX: 2350-2360MHz
	LTE Band 38	TX: 2570 ~ 2620MHz	RX: 2570 ~ 2620MHz
	LTE Band 41	TX: 2496 ~ 2690MHz	RX: 2496 ~ 2690MHz
	LTE Band 42	TX: 3450 ~ 3600MHz	RX: 3450 ~ 3600MHz
	LTE Band 43	TX: 3700 ~ 3800MHz	RX: 3700 ~ 3800MHz
	LTE Band 48	TX: 3550 ~ 3700MHz	TX: 3550 ~ 3700MHz
	LTE Band 66	TX: 1710-1780MHz	RX: 2110-2200MHz
	LTE Band 71	TX: 663-698MHz	RX:617-652MHz
	NR n2	TX: 1850-1910MHz	RX: 1930-1990MHz
	NR n5	TX: 824-849MHz	RX: 869-894MHz
	NR n7	TX: 2500-2570MHz	RX:2620-2690MHz
	NR n12	TX: 699-716MHz	RX: 729-746MHz
	NR n13	TX: 777-787MHz	RX: 746-756MHz
	NR n14	TX: 788-798MHz	RX: 758-768MHz
	NR n25	TX: 1850-1915MHz	RX:1930-1995MHz
	NR n26	TX: 814-849MHz	RX:859-894MHz
	NR n30	TX: 2305-2315MHz	RX: 2350-2360MHz
	NR n38	TX: 2570 ~ 2620MHz	RX: 2570 ~ 2620MHz
	NR n41	TX: 2496 ~ 2690MHz	RX: 2496 ~ 2690MHz
	NR n66	TX: 1710-1780MHz	RX: 2110-2200MHz
	NR n71	TX: 663-698MHz	RX:617-652MHz
	NR n48	TX: 3550-3700MHz	RX:3550-3700MHz
	NR n77	TX: 3450 ~ 3650MHz	TX: 3450 ~ 3650MHz
		TX: 3700 ~ 3980MHz	TX: 3700 ~ 3980MHz
	NR n78	TX: 3450 ~ 3650MHz	TX: 3450 ~ 3650MHz
		TX: 3700 ~ 3800MHz	TX: 3700 ~ 3800MHz
	2.4G WIFI	2412 ~ 2462 MHz	
	5G WIFI	5150 ~ 5250 MHz	
		5250 ~ 5350 MHz	
		5470 ~ 5725 MHz	
		5725 ~ 5850 MHz	
	Bluetooth	2402 ~ 2480MHz	
	NFC	13.56MHz	
Antenna Type	WWAN: PIFA Antenna WIFI: PIFA Antenna Bluetooth: PIFA Antenna NFC: Coil Antenna		
DTM	N/A		
Hotspot Function	Support		

Operating Mode	LTE; NR; WLAN; Bluetooth; NFC	
Power Reduction	Not Support	
Exposure Category	General Population/Uncontrolled exposure	
Product Type	Portable Device	
EUT Type	☒ Production unit	☐ Identical prototype

3 SUMMARY OF TEST RESULT

3.1 Test Standards

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

3.2 Device Category and SAR Limit

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

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

Table of Exposure Limits:

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

NOTE:

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

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

3.3 Test Result Summary

3.3.1 Highest SAR Values

Band	Maximum Scaled SAR (W/kg)			Maximum Report SAR (W/kg)		
	Body-worn	Hotspot	Front of face	Body-worn	Hotspot	Front of face
	(0mm)	(10mm)	(10mm)	(0mm)	(10mm)	(10mm)
	1g SAR			1g SAR		
LTE B2	0.79	0.50	0.34	0.80	0.77	0.76
LTE B4	0.67	0.67	0.45			
LTE B5	0.70	0.70	0.70			
LTE B7	0.55	0.44	0.35			
LTE B12	0.37	0.39	0.38			
LTE B13	0.46	0.56	0.56			
LTE B14	0.51	0.58	0.58			
LTE B17	0.36	0.40	0.40			
LTE B25	0.80	0.50	0.40			
LTE B26	0.65	0.64	0.64			
LTE B30	0.60	0.42	0.38			
LTE B66	0.74	0.57	0.34			
LTE B71	0.44	0.45	0.41			
LTE B38	0.68	0.32	0.22			
LTE B41	0.70	0.33	0.25			
LTE B42	0.34	0.42	0.28			
LTE B43	0.37	0.77	0.38			
LTE B48	0.15	0.35	0.18			
NR n2 SA	0.76	0.54	0.35			
NR n5 SA	0.69	0.64	0.64			
NR n7 SA	0.57	0.58	0.40			
NR n12 SA	0.44	0.38	0.37			
NR n13 SA	0.54	0.58	0.58			
NR n14 SA	0.48	0.52	0.52			
NR n25 SA	0.47	0.65	0.28			
NR n26 SA	0.61	0.76	0.76			
NR n30 SA	0.71	0.50	0.33			
NR n66 SA	0.79	0.55	0.43			
NR n71 SA	0.41	0.48	0.37			
NR n38 SA	0.42	0.38	0.24			

Band	Maximum Scaled SAR (W/kg)			Maximum Report SAR (W/kg)		
	Body-worn	Hotspot	Front of face	Body-worn	Hotspot	Front of face
	(0mm)	(10mm)	(10mm)	(0mm)	(10mm)	(10mm)
	1g SAR			1g SAR		
NR n41 SA	0.24	0.28	0.18			
NR n48 SA	0.12	0.26	0.11			
NR n77 SA	0.16	0.37	0.24			
NR n78 SA	0.16	0.38	0.24			
Wi-Fi2.4G	0.45	0.28	0.08			
Wi-Fi5G	0.36	0.22	0.13			
Bluetooth	0.07	0.06	0.06			
Limit (W/kg)	1.6			1.6		
Verdict	Pass					

3.3.2 Highest Simultaneous Transmission SAR Values

Equipment Class	Maximum Scaled SAR (W/kg)		
	Body-worn 1g (0mm)	Hotspot 1g (10mm)	Front of face 1g (10mm)
PCE	1.45	1.18	0.94
Limit (W/kg)	1.6	1.6	1.6
Verdict	Pass		
Note: The highest simultaneous SAR please refer section 11			

3.4 Test Uncertainty

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

The maximum 1 g SAR for the EUT in this report is 0.80 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

3.5 Decision Rule

- ☐ No Need
- ☒ Use General Conformity Decision Rule
- ☐ Use Special Conformity Decision Rule

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:

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

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

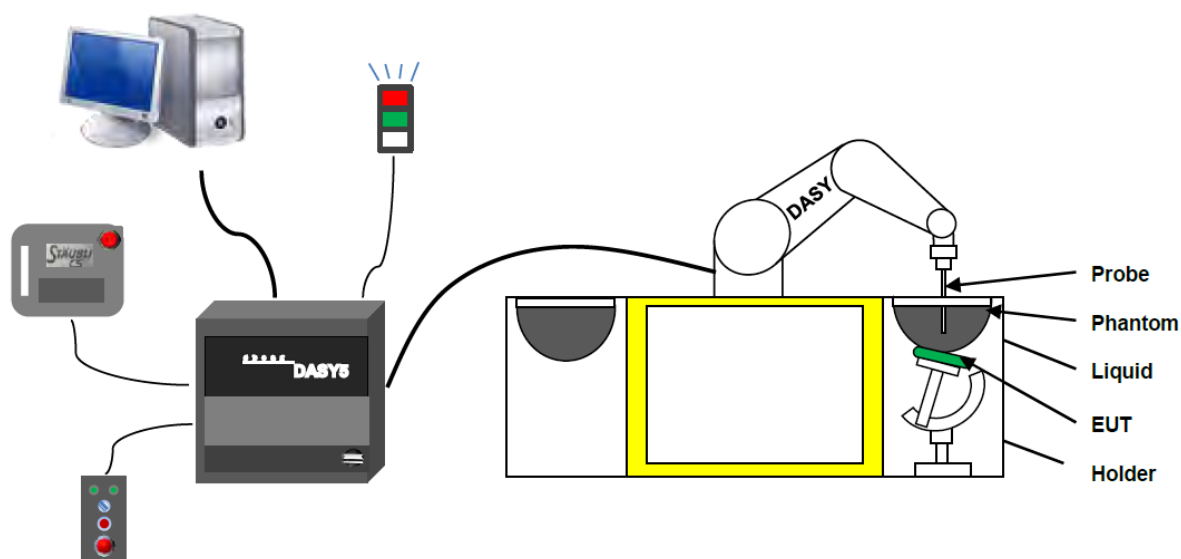
$$\text{SAR} = \frac{\sigma E^2}{\rho}$$

Where: σ is the conductivity of the tissue,

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

4.2 DASY SAR System

4.2.1 DASY SAR System Diagram

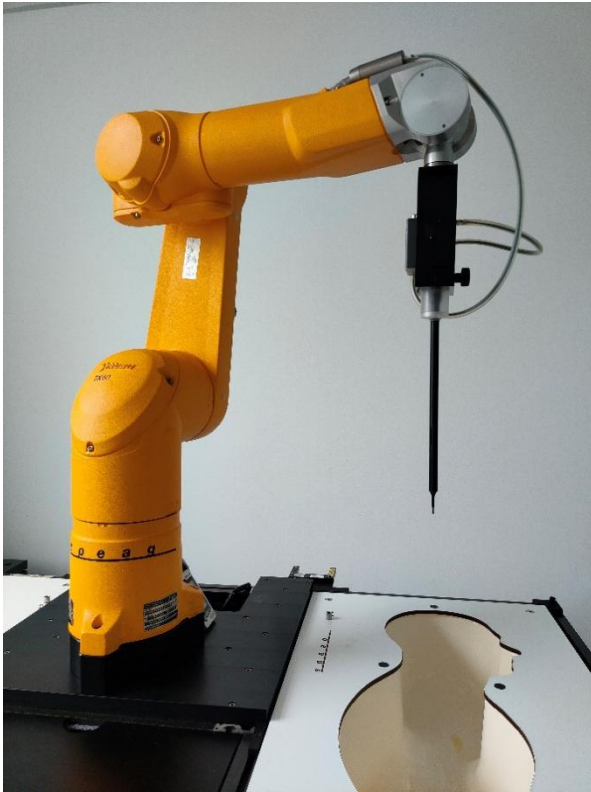


The DASY5 system for performing compliance tests consists of the following items:

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 DASY5 measurement server.
6. The DASY5 measurement server, which performs all real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operation.
7. DASY5 software and SEMCAD data evaluation software.
8. Remote control with teach panel and additional circuitry for robot safety such as warning lamps, etc.
9. The generic twin phantom enabling the testing of left-hand and right-hand usage.
10. The device holder for handheld mobile phones.
11. Tissue simulating liquid mixed according to the given recipes.
12. System validation dipoles allowing to validate the proper functioning of the system.

4.2.2 Robot

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



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

4.2.3 E-Field Probe

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

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



E-Field Probe Calibration Process

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

4.2.4 Data Acquisition Electronics

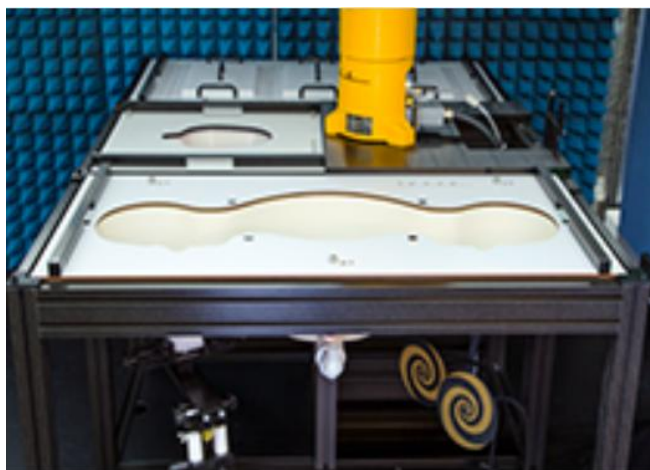
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an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



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

4.2.5 Phantoms

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



- Left head
- Right head
- Flat phantom



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.

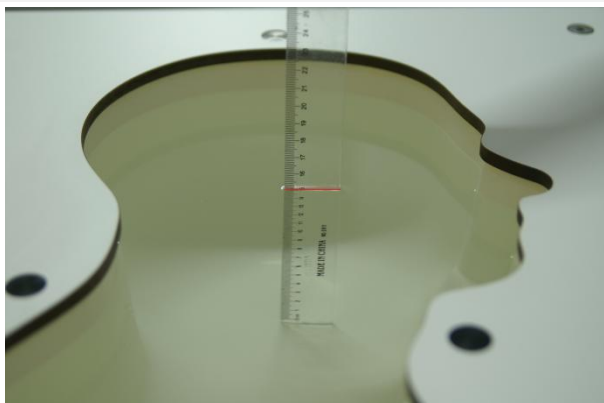


The positioning system allows obtaining cheek and tilting position with a very good accuracy. Incompliance with CENELEC, the tilt angle uncertainty is lower than 1° .

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

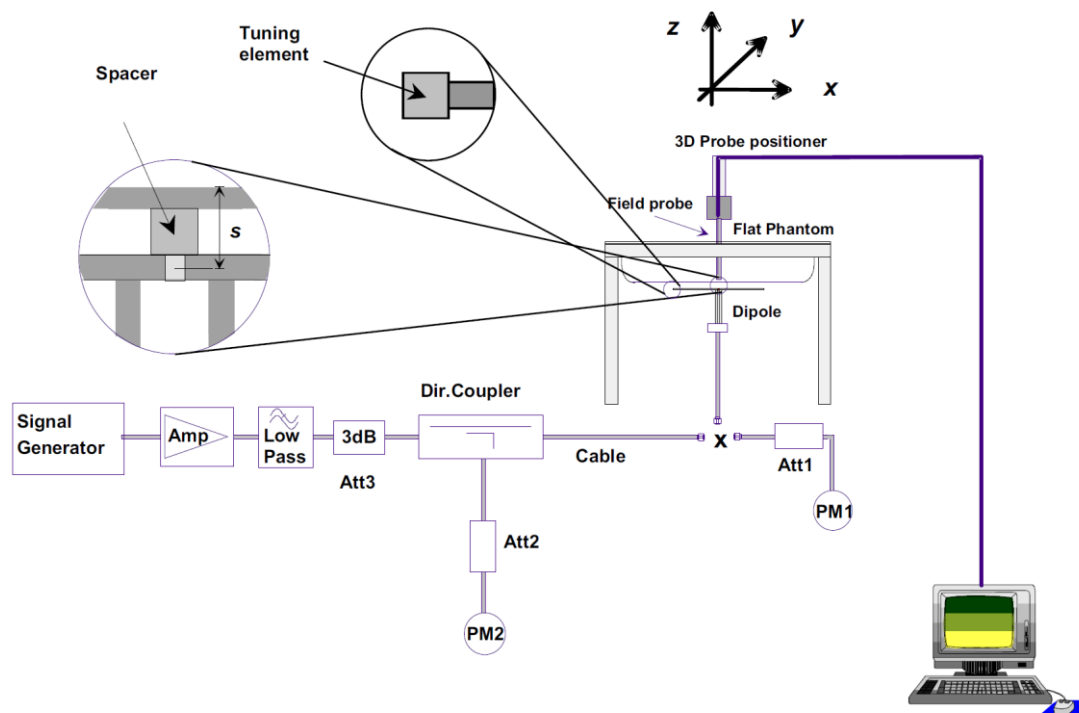
5 SYSTEM VERIFICATION

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

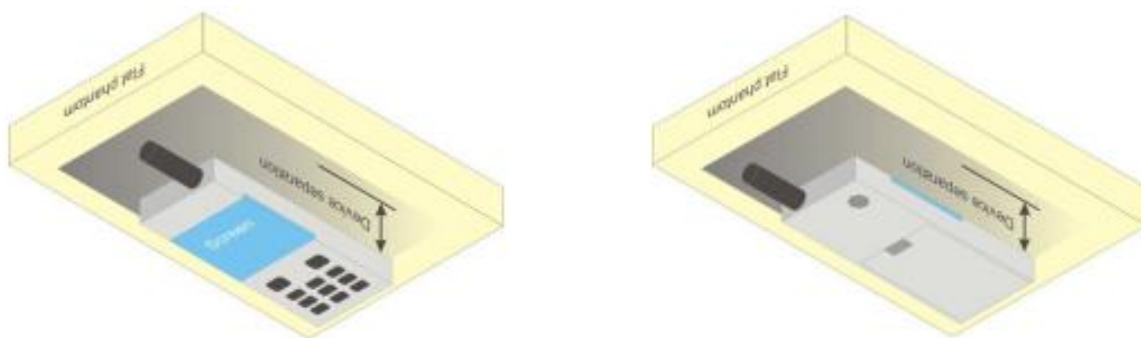
According to KDB 648474 D04 Handset, handsets are tested for SAR compliance in head, body-worn accessory and other use configurations described in the following subsections.

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.

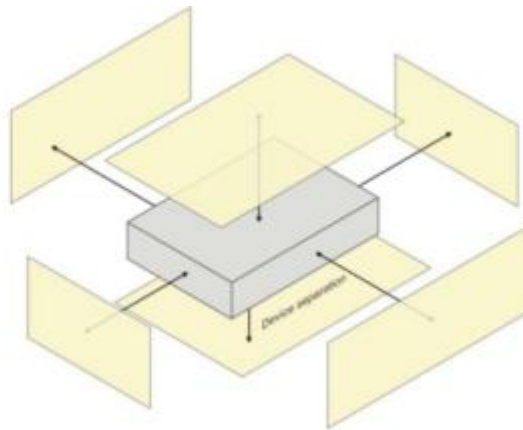
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.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



6.1 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).



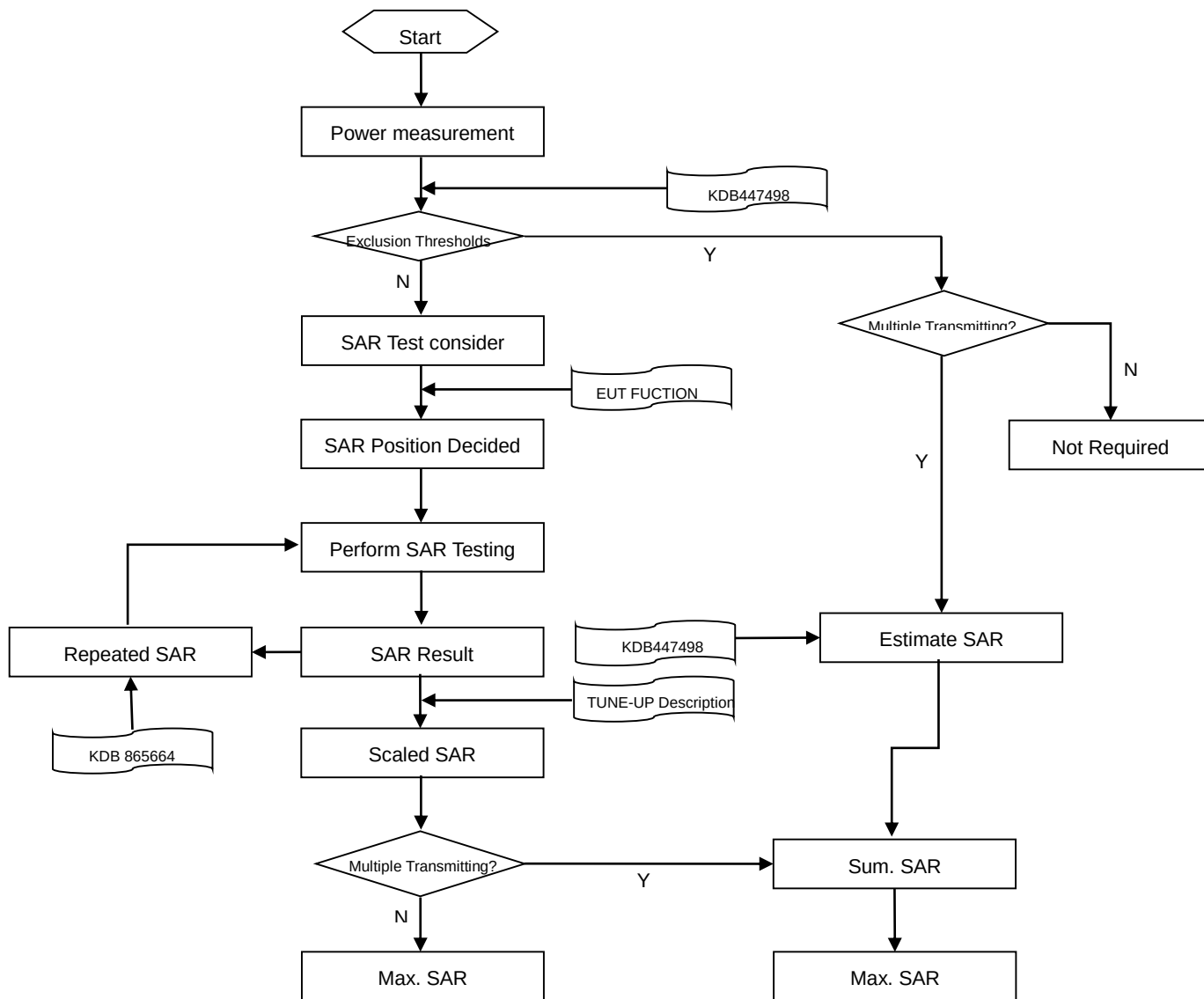
6.2 Product Specific 10g Exposure Consideration

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

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

7 MEASUREMENT PROCEDURE

7.1 Measurement Process Diagram



7.2 SAR Scan General Requirement

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

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

Note:

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.

7.3 Measurement Procedure

The following steps are used for each test position

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

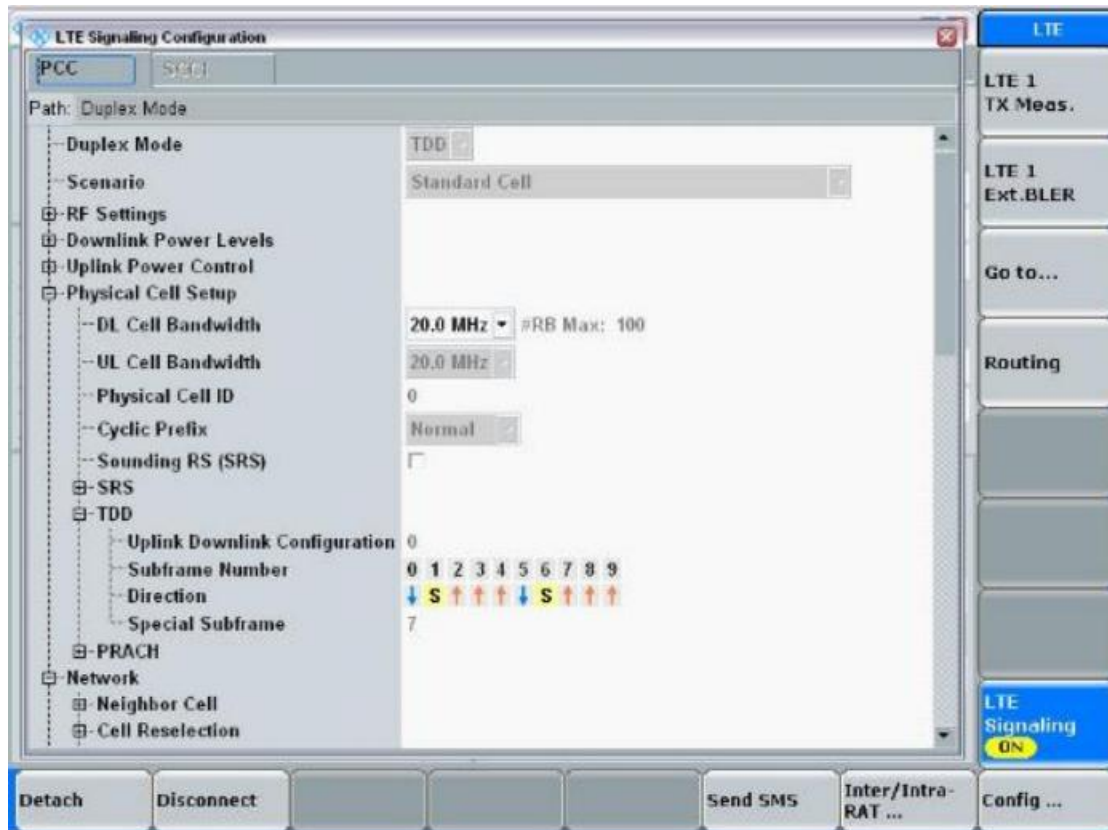
7.4 Area & Zoom Scan Procedure

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

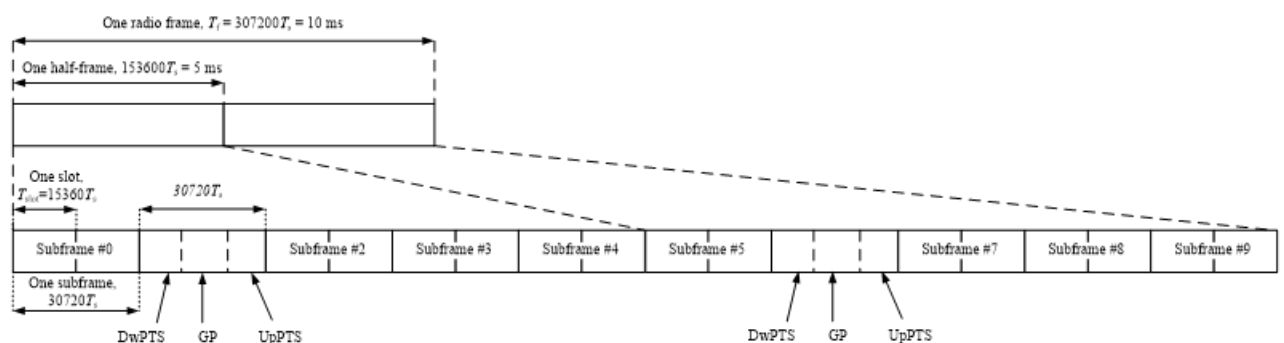
When the 1 g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR.

7.5 LTE (TDD) Considerations

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



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



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

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

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

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

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

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

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

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

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

8 CONDUCTED RF OUPUT POWER

8.1 LTE

Please refer the document "Ti-CC26060005-AP.pdf".

8.2 NR

Please refer the document "Ti-CC26060005-AP.pdf".

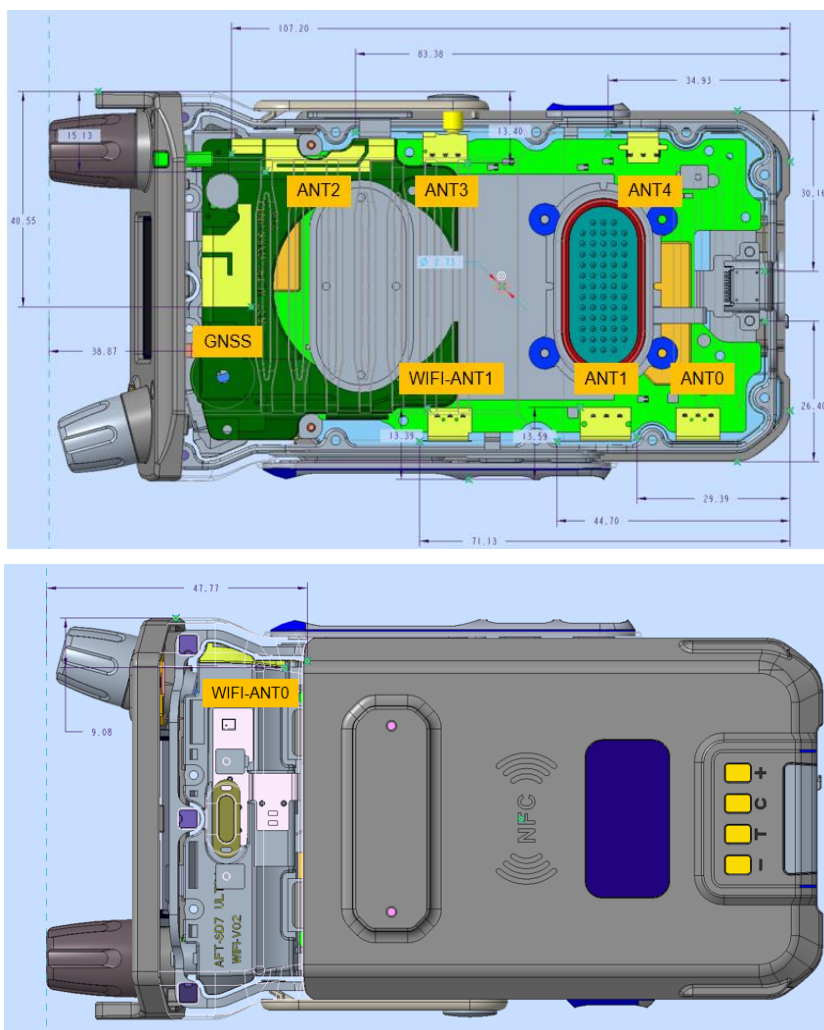
8.3 WIFI

Please refer the document "Ti-CC26060005-AP.pdf".

8.4 Bluetooth

Please refer the document "Ti-CC26060005-AP.pdf".

9 TEST EXCLUSION CONSIDERATION



Antenna	Support Bands
Ant.0	LTE B2/B4/B7/B25/B30/B66/B38/B41 NR n2/n7/n25/n30/n66/n38/n41
Ant.1	LTE B42/B43/B48 NR n48/n77/n78
Ant.2	LTE B5/NR n5
Ant.3	Only RX
Ant.4	LTE B2/B4/B5/B12/B13/B14/B17/B25/B26/B66/B71/B38/B41/B42/B43/B48 NR n2/n5/n12/n13/n14/n25/n26/n30/n66/n71/n38/n41/n48/n77/n78
WIFI-ANT0	WIFI 2.4G/WIFI 5G BT
WIFI-ANT1	WIFI 2.4G/WIFI 5G

9.1 SAR Test Exclusion Consideration Table

According with FCC KDB 447498 D04, Appendix B, The SAR-based exemption formula applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power or effective radiated power (ERP), whichever is greater, of less than or equal to the threshold Pth (mW), this Device SAR test configurations consider as following :

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.4	<25	<25	>25	<25	>25	<25
Note: 1. Per KDB 941225 DO6, When the overall length and width of a device is > 9 cm *5 cm, a test separation distance of 10 mm is required for hotspot mode SAR measurements and hotspot mode SAR is measured for all edges and surfaces of the device with a transmitting antenna located within 25 mm from that surface or edge.						

10 TEST RESULT

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

10.1 WWAN\Bluetooth\WIFI SAR

Band	Antenna	Position	Dist.	Test Mode	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. no.
	Body-worn														
LTE B2	Ant.0	Back side	0mm	QPSK-20MHz	18900	1880	1	0	0.12	0.618	22.44	23.50	1.276	0.789	1
LTE B2	Ant.0	Back side	0mm		18900	1880	50	0	0.02	0.429	21.55	22.50	1.245	0.534	/
LTE B2	Ant.4	Back side	0mm	QPSK-20MHz	18900	1880	1	0	0.03	0.416	22.89	23.50	1.151	0.479	/
LTE B2	Ant.4	Back side	0mm		18900	1880	50	0	0.14	0.332	21.99	22.50	1.125	0.373	/
	Front of face&Hotspot														
LTE B2	Ant.0	Front side	10mm	QPSK-20MHz	18900	1880	1	0	-0.19	0.265	22.44	23.50	1.276	0.338	/
LTE B2	Ant.0	Back side	10mm		18900	1880	1	0	0.17	0.186	22.44	23.50	1.276	0.237	/
LTE B2	Ant.0	Left side	10mm		18900	1880	1	0	0.14	0.382	22.44	23.50	1.276	0.488	/
LTE B2	Ant.0	Bottom side	10mm		18900	1880	1	0	0.12	0.181	22.44	23.50	1.276	0.231	/
LTE B2	Ant.0	Front side	10mm		18900	1880	50	0	0.11	0.209	21.55	22.50	1.245	0.260	/
LTE B2	Ant.0	Back side	10mm		18900	1880	50	0	0.06	0.160	21.55	22.50	1.245	0.199	/
LTE B2	Ant.0	Left side	10mm		18900	1880	50	0	-0.09	0.329	21.55	22.50	1.245	0.409	/
LTE B2	Ant.0	Bottom side	10mm		18900	1880	50	0	-0.08	0.148	21.55	22.50	1.245	0.184	/
LTE B2	Ant.4	Front side	10mm	QPSK-20MHz	18900	1880	1	0	0.01	0.212	22.89	23.50	1.151	0.244	/
LTE B2	Ant.4	Back side	10mm		18900	1880	1	0	0.17	0.111	22.89	23.50	1.151	0.128	/
LTE B2	Ant.4	Right side	10mm		18900	1880	1	0	-0.1	0.438	22.89	23.50	1.151	0.504	2
LTE B2	Ant.4	Bottom side	10mm		18900	1880	1	0	-0.09	0.310	22.89	23.50	1.151	0.357	/
LTE B2	Ant.4	Front side	10mm		18900	1880	50	0	-0.09	0.207	21.99	22.50	1.125	0.233	/
LTE B2	Ant.4	Back side	10mm		18900	1880	50	0	0.1	0.086	21.99	22.50	1.125	0.097	/
LTE B2	Ant.4	Right side	10mm		18900	1880	50	0	-0.04	0.355	21.99	22.50	1.125	0.399	/
LTE B2	Ant.4	Bottom side	10mm		18900	1880	50	0	-0.06	0.263	21.99	22.50	1.125	0.296	/

Band	Antenna	Position	Dist.	Test Mode	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. no.
	Body-worn														
LTE B4	Ant.0	Back side	0mm	QPSK-20MHz	20175	1732.5	1	0	0.08	0.535	22.53	23.50	1.250	0.669	3
LTE B4	Ant.0	Back side	0mm		20175	1732.5	50	0	0.03	0.408	21.66	22.50	1.213	0.495	/
LTE B4	Ant.4	Back side	0mm	QPSK-20MHz	20175	1732.5	1	0	-0.07	0.481	22.86	23.50	1.159	0.557	/
LTE B4	Ant.4	Back side	0mm		20175	1732.5	50	0	-0.09	0.413	21.97	22.50	1.130	0.467	/
	Front of face&Hotspot														
LTE B4	Ant.0	Front side	10mm	QPSK-20MHz	20175	1732.5	1	0	0.14	0.180	22.53	23.50	1.250	0.225	/
LTE B4	Ant.0	Back side	10mm		20175	1732.5	1	0	-0.08	0.182	22.53	23.50	1.250	0.228	/
LTE B4	Ant.0	Left side	10mm		20175	1732.5	1	0	0.02	0.213	22.53	23.50	1.250	0.266	/
LTE B4	Ant.0	Bottom side	10mm		20175	1732.5	1	0	-0.17	0.191	22.53	23.50	1.250	0.239	/
LTE B4	Ant.0	Front side	10mm		20175	1732.5	50	0	-0.16	0.143	21.66	22.50	1.213	0.174	/
LTE B4	Ant.0	Back side	10mm		20175	1732.5	50	0	0.02	0.159	21.66	22.50	1.213	0.193	/
LTE B4	Ant.0	Left side	10mm		20175	1732.5	50	0	0.11	0.197	21.66	22.50	1.213	0.239	/
LTE B4	Ant.0	Bottom side	10mm		20175	1732.5	50	0	-0.09	0.161	21.66	22.50	1.213	0.195	/
LTE B4	Ant.4	Front side	10mm	QPSK-20MHz	20175	1732.5	1	0	-0.13	0.387	22.86	23.50	1.159	0.448	/
LTE B4	Ant.4	Back side	10mm		20175	1732.5	1	0	-0.01	0.216	22.86	23.50	1.159	0.250	/
LTE B4	Ant.4	Right side	10mm		20175	1732.5	1	0	-0.17	0.575	22.86	23.50	1.159	0.666	4
LTE B4	Ant.4	Bottom side	10mm		20175	1732.5	1	0	-0.05	0.212	22.86	23.50	1.159	0.246	/
LTE B4	Ant.4	Front side	10mm		20175	1732.5	50	0	0.05	0.322	21.97	22.50	1.130	0.364	/
LTE B4	Ant.4	Back side	10mm		20175	1732.5	50	0	-0.05	0.183	21.97	22.50	1.130	0.207	/
LTE B4	Ant.4	Right side	10mm		20175	1732.5	50	0	0.16	0.529	21.97	22.50	1.130	0.598	/
LTE B4	Ant.4	Bottom side	10mm		20175	1732.5	50	0	-0.04	0.181	21.97	22.50	1.130	0.204	/

Band	Antenna	Position	Dist.	Test Mode	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. no.
	Body-worn														
LTE B5	Ant.2	Back side	0mm	QPSK-10MHz	20525	836.5	1	0	-0.02	0.029	23.16	24.00	1.213	0.035	/
LTE B5	Ant.2	Back side	0mm		20525	836.5	25	0	0.09	0.024	22.27	23.00	1.183	0.028	/
LTE B5	Ant.4	Back side	0mm	QPSK-10MHz	20525	836.5	1	0	0.05	0.585	23.23	24.00	1.194	0.698	5
LTE B5	Ant.4	Back side	0mm		20525	836.5	25	0	-0.1	0.484	22.27	23.00	1.183	0.573	/
	Front of face&Hotspot														
LTE B5	Ant.2	Front side	10mm	QPSK-10MHz	20525	836.5	1	0	-0.04	0.047	23.16	24.00	1.213	0.057	/
LTE B5	Ant.2	Back side	10mm		20525	836.5	1	0	-0.17	0.021	23.16	24.00	1.213	0.025	/
LTE B5	Ant.2	Right side	10mm		20525	836.5	1	0	-0.03	0.024	23.16	24.00	1.213	0.029	/
LTE B5	Ant.2	Front side	10mm		20525	836.5	25	0	-0.02	0.044	22.27	23.00	1.183	0.052	/
LTE B5	Ant.2	Back side	10mm		20525	836.5	25	0	0.1	0.019	22.27	23.00	1.183	0.022	/
LTE B5	Ant.2	Right side	10mm		20525	836.5	25	0	-0.04	0.022	22.27	23.00	1.183	0.026	/
LTE B5	Ant.4	Front side	10mm	QPSK-10MHz	20525	836.5	1	0	-0.16	0.588	23.23	24.00	1.194	0.702	6
LTE B5	Ant.4	Back side	10mm		20525	836.5	1	0	-0.07	0.263	23.23	24.00	1.194	0.314	/
LTE B5	Ant.4	Right side	10mm		20525	836.5	1	0	-0.09	0.115	23.23	24.00	1.194	0.137	/
LTE B5	Ant.4	Bottom side	10mm		20525	836.5	1	0	0.16	0.333	23.23	24.00	1.194	0.398	/
LTE B5	Ant.4	Front side	10mm		20525	836.5	25	0	0.1	0.420	22.27	23.00	1.183	0.497	/
LTE B5	Ant.4	Back side	10mm		20525	836.5	25	0	0.15	0.217	22.27	23.00	1.183	0.257	/
LTE B5	Ant.4	Right side	10mm		20525	836.5	25	0	-0.02	0.101	22.27	23.00	1.183	0.119	/
LTE B5	Ant.4	Bottom side	10mm		20525	836.5	25	0	-0.12	0.259	22.27	23.00	1.183	0.306	/

Band	Antenna	Position	Dist.	Test Mode	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. no.
	Body-worn														
LTE B7	Ant.0	Back side	0mm	QPSK-20MHz	21100	2535	1	0	-0.06	0.442	20.57	21.50	1.239	0.548	7
LTE B7	Ant.0	Back side	0mm		21100	2535	50	0	-0.02	0.362	19.67	20.50	1.211	0.438	/
	Front of face&Hotspot														
LTE B7	Ant.0	Front side	10mm	QPSK-20MHz	21100	2535	1	0	-0.07	0.281	20.57	21.50	1.239	0.348	/
LTE B7	Ant.0	Back side	10mm		21100	2535	1	0	0.07	0.126	20.57	21.50	1.239	0.156	/
LTE B7	Ant.0	Left side	10mm		21100	2535	1	0	-0.01	0.354	20.57	21.50	1.239	0.439	8
LTE B7	Ant.0	Bottom side	10mm		21100	2535	1	0	0.02	0.308	20.57	21.50	1.239	0.382	/
LTE B7	Ant.0	Front side	10mm		21100	2535	50	0	-0.09	0.202	19.67	20.50	1.211	0.245	/
LTE B7	Ant.0	Back side	10mm		21100	2535	50	0	-0.09	0.102	19.67	20.50	1.211	0.123	/
LTE B7	Ant.0	Left side	10mm		21100	2535	50	0	-0.04	0.268	19.67	20.50	1.211	0.324	/
LTE B7	Ant.0	Bottom side	10mm		21100	2535	50	0	-0.07	0.255	19.67	20.50	1.211	0.309	/

Band	Antenna	Position	Dist.	Test Mode	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. no.
	Body-worn														
LTE B12	Ant.4	Back side	0mm	QPSK-10MHz	23095	707.5	1	0	0.08	0.304	23.15	24.00	1.216	0.370	9
LTE B12	Ant.4	Back side	0mm		23095	707.5	25	0	0.17	0.207	22.19	23.00	1.205	0.249	/
	Front of face&Hotspot														
LTE B12	Ant.4	Front side	10mm	QPSK-10MHz	23095	707.5	1	0	0.13	0.316	23.15	24.00	1.216	0.384	/
LTE B12	Ant.4	Back side	10mm		23095	707.5	1	0	0.18	0.199	23.15	24.00	1.216	0.242	/
LTE B12	Ant.4	Right side	10mm		23095	707.5	1	0	-0.06	0.320	23.15	24.00	1.216	0.389	10
LTE B12	Ant.4	Bottom side	10mm		23095	707.5	1	0	0.12	0.128	23.15	24.00	1.216	0.156	/
LTE B12	Ant.4	Front side	10mm		23095	707.5	25	0	0.17	0.258	22.19	23.00	1.205	0.311	/
LTE B12	Ant.4	Back side	10mm		23095	707.5	25	0	-0.19	0.163	22.19	23.00	1.205	0.196	/
LTE B12	Ant.4	Right side	10mm		23095	707.5	25	0	-0.12	0.255	22.19	23.00	1.205	0.307	/
LTE B12	Ant.4	Bottom side	10mm		23095	707.5	25	0	0.1	0.100	22.19	23.00	1.205	0.121	/

Band	Antenna	Position	Dist.	Test Mode	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. no.
	Body-worn														
LTE B13	Ant.4	Back side	0mm	QPSK-10MHz	23230	782	1	0	0.03	0.399	23.38	24.00	1.153	0.460	11
LTE B13	Ant.4	Back side	0mm		23230	782	25	0	0.07	0.337	22.29	23.00	1.178	0.397	/
	Front of face&Hotspot														
LTE B13	Ant.4	Front side	10mm	QPSK-10MHz	23230	782	1	0	-0.02	0.487	23.38	24.00	1.153	0.562	12
LTE B13	Ant.4	Back side	10mm		23230	782	1	0	0.11	0.357	23.38	24.00	1.153	0.412	/
LTE B13	Ant.4	Right side	10mm		23230	782	1	0	-0.03	0.325	23.38	24.00	1.153	0.375	/
LTE B13	Ant.4	Bottom side	10mm		23230	782	1	0	0.12	0.178	23.38	24.00	1.153	0.205	/
LTE B13	Ant.4	Front side	10mm		23230	782	25	0	-0.03	0.335	22.29	23.00	1.178	0.394	/
LTE B13	Ant.4	Back side	10mm		23230	782	25	0	-0.03	0.278	22.29	23.00	1.178	0.327	/
LTE B13	Ant.4	Right side	10mm		23230	782	25	0	0.05	0.244	22.29	23.00	1.178	0.287	/
LTE B13	Ant.4	Bottom side	10mm		23230	782	25	0	-0.17	0.162	22.29	23.00	1.178	0.191	/

Band	Antenna	Position	Dist.	Test Mode	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. no.
	Body-worn														
LTE B14	Ant.4	Back side	0mm	QPSK-10MHz	23330	793	1	0	-0.15	0.448	23.40	24.00	1.148	0.514	13
LTE B14	Ant.4	Back side	0mm		23330	793	25	0	0.14	0.330	22.34	23.00	1.164	0.384	/
	Front of face&Hotspot														
LTE B14	Ant.4	Front side	10mm	QPSK-10MHz	23330	793	1	0	0.02	0.502	23.40	24.00	1.148	0.576	14
LTE B14	Ant.4	Back side	10mm		23330	793	1	0	0.17	0.267	23.40	24.00	1.148	0.307	/
LTE B14	Ant.4	Right side	10mm		23330	793	1	0	-0.16	0.202	23.40	24.00	1.148	0.232	/
LTE B14	Ant.4	Bottom side	10mm		23330	793	1	0	0.03	0.233	23.40	24.00	1.148	0.268	/
LTE B14	Ant.4	Front side	10mm		23330	793	25	0	0.13	0.289	22.34	23.00	1.164	0.336	/
LTE B14	Ant.4	Back side	10mm		23330	793	25	0	-0.17	0.199	22.34	23.00	1.164	0.232	/
LTE B14	Ant.4	Right side	10mm		23330	793	25	0	0.15	0.154	22.34	23.00	1.164	0.179	/
LTE B14	Ant.4	Bottom side	10mm		23330	793	25	0	-0.02	0.190	22.34	23.00	1.164	0.221	/

Band	Antenna	Position	Dist.	Test Mode	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. no.
	Body-worn														
LTE B17	Ant.4	Back side	0mm	QPSK-10MHz	23790	710	1	0	0.09	0.297	23.22	24.00	1.197	0.355	15
LTE B17	Ant.4	Back side	0mm		23790	710	25	0	-0.13	0.208	22.16	23.00	1.213	0.252	/
	Front of face&Hotspot														
LTE B17	Ant.4	Front side	10mm	QPSK-10MHz	23790	710	1	0	-0.04	0.331	23.22	24.00	1.197	0.396	/
LTE B17	Ant.4	Back side	10mm		23790	710	1	0	0.13	0.205	23.22	24.00	1.197	0.245	/
LTE B17	Ant.4	Right side	10mm		23790	710	1	0	-0.02	0.334	23.22	24.00	1.197	0.400	16
LTE B17	Ant.4	Bottom side	10mm		23790	710	1	0	0.06	0.132	23.22	24.00	1.197	0.158	/
LTE B17	Ant.4	Front side	10mm		23790	710	25	0	-0.08	0.267	22.16	23.00	1.213	0.324	/
LTE B17	Ant.4	Back side	10mm		23790	710	25	0	-0.01	0.168	22.16	23.00	1.213	0.204	/
LTE B17	Ant.4	Right side	10mm		23790	710	25	0	-0.03	0.263	22.16	23.00	1.213	0.319	/
LTE B17	Ant.4	Bottom side	10mm		23790	710	25	0	0.14	0.107	22.16	23.00	1.213	0.130	/

Band	Antenna	Position	Dist.	Test Mode	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. no.
	Body-worn														
LTE B25	Ant.0	Back side	0mm	QPSK-20MHz	26365	1882.5	1	0	-0.03	0.614	22.37	23.50	1.297	0.796	17
LTE B25	Ant.0	Back side	0mm		26365	1882.5	50	0	-0.16	0.459	21.53	22.50	1.250	0.574	/
LTE B25	Ant.4	Back side	0mm	QPSK-20MHz	26365	1882.5	1	0	-0.13	0.369	22.87	23.50	1.156	0.427	/
LTE B25	Ant.4	Back side	0mm		26365	1882.5	50	0	-0.02	0.324	21.92	22.50	1.143	0.370	/
	Front of face&Hotspot														
LTE B25	Ant.0	Front side	10mm	QPSK-20MHz	26365	1882.5	1	0	0.13	0.305	22.37	23.50	1.297	0.396	/
LTE B25	Ant.0	Back side	10mm		26365	1882.5	1	0	0.18	0.200	22.37	23.50	1.297	0.259	/
LTE B25	Ant.0	Left side	10mm		26365	1882.5	1	0	0.17	0.378	22.37	23.50	1.297	0.490	/
LTE B25	Ant.0	Bottom side	10mm		26365	1882.5	1	0	0.05	0.165	22.37	23.50	1.297	0.214	/
LTE B25	Ant.0	Front side	10mm		26365	1882.5	50	0	0.16	0.262	21.53	22.50	1.250	0.328	/
LTE B25	Ant.0	Back side	10mm		26365	1882.5	50	0	0.16	0.171	21.53	22.50	1.250	0.214	/
LTE B25	Ant.0	Left side	10mm		26365	1882.5	50	0	-0.01	0.347	21.53	22.50	1.250	0.434	/
LTE B25	Ant.0	Bottom side	10mm		26365	1882.5	50	0	-0.1	0.139	21.53	22.50	1.250	0.174	/
LTE B25	Ant.4	Front side	10mm	QPSK-20MHz	26365	1882.5	1	0	-0.17	0.194	22.87	23.50	1.156	0.224	/
LTE B25	Ant.4	Back side	10mm		26365	1882.5	1	0	0.06	0.104	22.87	23.50	1.156	0.120	/
LTE B25	Ant.4	Right side	10mm		26365	1882.5	1	0	0.09	0.429	22.87	23.50	1.156	0.496	18
LTE B25	Ant.4	Bottom side	10mm		26365	1882.5	1	0	-0.16	0.303	22.87	23.50	1.156	0.350	/
LTE B25	Ant.4	Front side	10mm		26365	1882.5	50	0	-0.18	0.173	21.92	22.50	1.143	0.198	/
LTE B25	Ant.4	Back side	10mm		26365	1882.5	50	0	0.17	0.086	21.92	22.50	1.143	0.098	/
LTE B25	Ant.4	Right side	10mm		26365	1882.5	50	0	-0.19	0.381	21.92	22.50	1.143	0.435	/
LTE B25	Ant.4	Bottom side	10mm		26365	1882.5	50	0	-0.03	0.267	21.92	22.50	1.143	0.305	/

Band	Antenna	Position	Dist.	Test Mode	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. no.
	Body-worn														
LTE B26	Ant.4	Back side	0mm	QPSK-15MHz	26865	831.5	1	0	-0.01	0.549	23.29	24.00	1.178	0.647	19
LTE B26	Ant.4	Back side	0mm		26865	831.5	36	0	-0.07	0.461	22.27	23.00	1.183	0.545	/
	Front of face&Hotspot														
LTE B26	Ant.4	Front side	10mm	QPSK-15MHz	26865	831.5	1	0	0.17	0.541	23.29	24.00	1.178	0.637	20
LTE B26	Ant.4	Back side	10mm		26865	831.5	1	0	0.12	0.211	23.29	24.00	1.178	0.248	/
LTE B26	Ant.4	Right side	10mm		26865	831.5	1	0	-0.07	0.092	23.29	24.00	1.178	0.108	/
LTE B26	Ant.4	Bottom side	10mm		26865	831.5	1	0	-0.02	0.359	23.29	24.00	1.178	0.423	/
LTE B26	Ant.4	Front side	10mm		26865	831.5	36	0	-0.01	0.371	22.27	23.00	1.183	0.439	/
LTE B26	Ant.4	Back side	10mm		26865	831.5	36	0	0.02	0.189	22.27	23.00	1.183	0.224	/
LTE B26	Ant.4	Right side	10mm		26865	831.5	36	0	-0.03	0.087	22.27	23.00	1.183	0.103	/
LTE B26	Ant.4	Bottom side	10mm		26865	831.5	36	0	-0.19	0.285	22.27	23.00	1.183	0.337	/

Band	Antenna	Position	Dist.	Test Mode	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. no.
	Body-worn														
LTE B30	Ant.0	Back side	0mm	QPSK-10MHz	27710	2310	1	0	0.11	0.487	22.57	23.50	1.239	0.603	21
LTE B30	Ant.0	Back side	0mm		27710	2310	25	0	0.07	0.381	21.50	22.50	1.259	0.480	/
	Front of face&Hotspot														
LTE B30	Ant.0	Front side	10mm	QPSK-10MHz	27710	2310	1	0	0.03	0.307	22.57	23.50	1.239	0.380	/
LTE B30	Ant.0	Back side	10mm		27710	2310	1	0	-0.02	0.143	22.57	23.50	1.239	0.177	/
LTE B30	Ant.0	Left side	10mm		27710	2310	1	0	0.2	0.336	22.57	23.50	1.239	0.416	22
LTE B30	Ant.0	Bottom side	10mm		27710	2310	1	0	0.12	0.326	22.57	23.50	1.239	0.404	/
LTE B30	Ant.0	Front side	10mm		27710	2310	25	0	0.09	0.252	21.50	22.50	1.259	0.317	/
LTE B30	Ant.0	Back side	10mm		27710	2310	25	0	0.15	0.112	21.50	22.50	1.259	0.141	/
LTE B30	Ant.0	Left side	10mm		27710	2310	25	0	0.03	0.275	21.50	22.50	1.259	0.346	/
LTE B30	Ant.0	Bottom side	10mm		27710	2310	25	0	-0.11	0.268	21.50	22.50	1.259	0.337	/

Band	Antenna	Position	Dist.	Test Mode	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. no.
Body-worn															
LTE B66	Ant.0	Back side	0mm	QPSK-20MHz	132322	1745	1	0	0.11	0.507	22.66	23.50	1.213	0.615	/
LTE B66	Ant.0	Back side	0mm		132322	1745	50	0	-0.09	0.413	21.64	22.50	1.219	0.503	/
LTE B66	Ant.4	Back side	0mm	QPSK-20MHz	132322	1745	1	0	0.06	0.641	22.85	23.50	1.161	0.744	23
LTE B66	Ant.4	Back side	0mm		132322	1745	50	0	-0.1	0.551	21.74	22.50	1.191	0.656	/
Front of face&Hotspot															
LTE B66	Ant.0	Front side	10mm	QPSK-20MHz	132322	1745	1	0	-0.04	0.186	22.66	23.50	1.213	0.226	/
LTE B66	Ant.0	Back side	10mm		132322	1745	1	0	0.01	0.197	22.66	23.50	1.213	0.239	/
LTE B66	Ant.0	Left side	10mm		132322	1745	1	0	0.06	0.216	22.66	23.50	1.213	0.262	/
LTE B66	Ant.0	Bottom side	10mm		132322	1745	1	0	0.15	0.197	22.66	23.50	1.213	0.239	/
LTE B66	Ant.0	Front side	10mm		132322	1745	50	0	0.09	0.152	21.64	22.50	1.219	0.185	/
LTE B66	Ant.0	Back side	10mm		132322	1745	50	0	0.19	0.165	21.64	22.50	1.219	0.201	/
LTE B66	Ant.0	Left side	10mm		132322	1745	50	0	-0.01	0.212	21.64	22.50	1.219	0.258	/
LTE B66	Ant.0	Bottom side	10mm		132322	1745	50	0	0.11	0.156	21.64	22.50	1.219	0.190	/
LTE B66	Ant.4	Front side	10mm	QPSK-20MHz	132322	1745	1	0	0.06	0.289	22.85	23.50	1.161	0.336	/
LTE B66	Ant.4	Back side	10mm		132322	1745	1	0	0.03	0.181	22.85	23.50	1.161	0.210	/
LTE B66	Ant.4	Right side	10mm		132322	1745	1	0	-0.09	0.491	22.85	23.50	1.161	0.570	24
LTE B66	Ant.4	Bottom side	10mm		132322	1745	1	0	0.04	0.180	22.85	23.50	1.161	0.209	/
LTE B66	Ant.4	Front side	10mm		132322	1745	50	0	0.1	0.240	21.74	22.50	1.191	0.286	/
LTE B66	Ant.4	Back side	10mm		132322	1745	50	0	-0.04	0.132	21.74	22.50	1.191	0.157	/
LTE B66	Ant.4	Right side	10mm		132322	1745	50	0	0.19	0.392	21.74	22.50	1.191	0.467	/
LTE B66	Ant.4	Bottom side	10mm		132322	1745	50	0	0.17	0.150	21.74	22.50	1.191	0.179	/

Band	Antenna	Position	Dist.	Test Mode	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. no.
	Body-worn														
LTE B71	Ant.4	Back side	0mm	QPSK-20MHz	133322	683	1	0	0.05	0.353	23.08	24.00	1.236	0.436	25
LTE B71	Ant.4	Back side	0mm		133322	683	36	0	0.09	0.277	22.14	23.00	1.219	0.338	/
	Front of face&Hotspot														
LTE B71	Ant.4	Front side	10mm	QPSK-20MHz	133322	683	1	0	0.12	0.330	23.08	24.00	1.236	0.408	/
LTE B71	Ant.4	Back side	10mm		133322	683	1	0	-0.02	0.232	23.08	24.00	1.236	0.287	/
LTE B71	Ant.4	Right side	10mm		133322	683	1	0	0.02	0.361	23.08	24.00	1.236	0.446	26
LTE B71	Ant.4	Bottom side	10mm		133322	683	1	0	0.09	0.074	23.08	24.00	1.236	0.091	/
LTE B71	Ant.4	Front side	10mm		133322	683	36	0	-0.01	0.277	22.14	23.00	1.219	0.338	/
LTE B71	Ant.4	Back side	10mm		133322	683	36	0	-0.14	0.194	22.14	23.00	1.219	0.236	/
LTE B71	Ant.4	Right side	10mm		133322	683	36	0	-0.12	0.296	22.14	23.00	1.219	0.361	/
LTE B71	Ant.4	Bottom side	10mm		133322	683	36	0	0.02	0.054	22.14	23.00	1.219	0.066	/

Band	Antenna	Position	Dist.	Test Mode	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. no.
	Body-worn														
LTE B38	Ant.0	Back side	0mm	QPSK-20MHz	38000	2595	1	0	0.02	0.543	22.52	23.50	1.253	0.680	27
LTE B38	Ant.0	Back side	0mm		38000	2595	50	0	-0.07	0.449	21.51	22.50	1.256	0.564	/
LTE B38	Ant.4	Back side	0mm		38000	2595	1	0	-0.04	0.543	21.13	22.00	1.222	0.663	/
LTE B38	Ant.4	Back side	0mm	QPSK-20MHz	38000	2595	50	0	0.19	0.544	21.10	22.00	1.230	0.669	/
	Front of face&Hotspot														
LTE B38	Ant.0	Front side	10mm	QPSK-20MHz	38000	2595	1	0	-0.16	0.178	22.52	23.50	1.253	0.223	/
LTE B38	Ant.0	Back side	10mm		38000	2595	1	0	-0.11	0.109	22.52	23.50	1.253	0.137	/
LTE B38	Ant.0	Left side	10mm		38000	2595	1	0	-0.02	0.211	22.52	23.50	1.253	0.264	/
LTE B38	Ant.0	Bottom side	10mm		38000	2595	1	0	0.08	0.167	22.52	23.50	1.253	0.209	/
LTE B38	Ant.0	Front side	10mm		38000	2595	50	0	0.08	0.142	21.51	22.50	1.256	0.178	/
LTE B38	Ant.0	Back side	10mm		38000	2595	50	0	0.16	0.088	21.51	22.50	1.256	0.111	/
LTE B38	Ant.0	Left side	10mm		38000	2595	50	0	-0.09	0.186	21.51	22.50	1.256	0.234	/
LTE B38	Ant.0	Bottom side	10mm		38000	2595	50	0	-0.12	0.129	21.51	22.50	1.256	0.162	/
LTE B38	Ant.4	Front side	10mm	QPSK-20MHz	38000	2595	1	0	0.15	0.153	21.13	22.00	1.222	0.187	/
LTE B38	Ant.4	Back side	10mm		38000	2595	1	0	0.09	0.114	21.13	22.00	1.222	0.139	/
LTE B38	Ant.4	Right side	10mm		38000	2595	1	0	-0.19	0.238	21.13	22.00	1.222	0.291	/
LTE B38	Ant.4	Bottom side	10mm		38000	2595	1	0	-0.18	0.078	21.13	22.00	1.222	0.095	/
LTE B38	Ant.4	Front side	10mm		38000	2595	50	0	0.19	0.151	21.10	22.00	1.230	0.186	/
LTE B38	Ant.4	Back side	10mm		38000	2595	50	0	-0.07	0.130	21.10	22.00	1.230	0.160	/
LTE B38	Ant.4	Right side	10mm		38000	2595	50	0	-0.15	0.262	21.10	22.00	1.230	0.322	28
LTE B38	Ant.4	Bottom side	10mm		38000	2595	50	0	-0.17	0.151	21.10	22.00	1.230	0.186	/

Band	Antenna	Position	Dist.	Test Mode	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. no.
	Body-worn														
LTE B41	Ant.0	Back side	0mm	QPSK-20MHz	40620	2593	1	0	0.05	0.556	25.50	26.50	1.259	0.700	29
LTE B41	Ant.0	Back side	0mm		40620	2593	50	0	0.09	0.418	24.61	25.50	1.227	0.513	/
LTE B41	Ant.4	Back side	0mm		40620	2593	1	0	0.15	0.511	21.09	22.00	1.233	0.630	/
LTE B41	Ant.4	Back side	0mm		40620	2593	50	0	-0.08	0.539	21.08	22.00	1.236	0.666	/
	Front of face&Hotspot														
LTE B41	Ant.0	Front side	10mm	QPSK-20MHz	40620	2593	1	0	-0.01	0.169	25.50	26.50	1.259	0.213	/
LTE B41	Ant.0	Back side	10mm		40620	2593	1	0	0.01	0.111	25.50	26.50	1.259	0.140	/
LTE B41	Ant.0	Left side	10mm		40620	2593	1	0	0.09	0.220	25.50	26.50	1.259	0.277	/
LTE B41	Ant.0	Bottom side	10mm		40620	2593	1	0	0.05	0.161	25.50	26.50	1.259	0.203	/
LTE B41	Ant.0	Front side	10mm		40620	2593	50	0	-0.06	0.138	24.61	25.50	1.227	0.169	/
LTE B41	Ant.0	Back side	10mm		40620	2593	50	0	-0.14	0.091	24.61	25.50	1.227	0.112	/
LTE B41	Ant.0	Left side	10mm		40620	2593	50	0	0.18	0.210	24.61	25.50	1.227	0.258	/
LTE B41	Ant.0	Bottom side	10mm		40620	2593	50	0	-0.18	0.158	24.61	25.50	1.227	0.194	/
LTE B41	Ant.4	Front side	10mm	QPSK-20MHz	40620	2593	1	0	-0.04	0.154	21.09	22.00	1.233	0.190	/
LTE B41	Ant.4	Back side	10mm		40620	2593	1	0	0.13	0.120	21.09	22.00	1.233	0.148	/
LTE B41	Ant.4	Right side	10mm		40620	2593	1	0	0.16	0.248	21.09	22.00	1.233	0.306	/
LTE B41	Ant.4	Bottom side	10mm		40620	2593	1	0	0.12	0.092	21.09	22.00	1.233	0.113	/
LTE B41	Ant.4	Front side	10mm		40620	2593	50	0	0.16	0.199	21.08	22.00	1.236	0.246	/
LTE B41	Ant.4	Back side	10mm		40620	2593	50	0	-0.03	0.125	21.08	22.00	1.236	0.154	/
LTE B41	Ant.4	Right side	10mm		40620	2593	50	0	-0.16	0.267	21.08	22.00	1.236	0.330	30
LTE B41	Ant.4	Bottom side	10mm		40620	2593	50	0	-0.05	0.138	21.08	22.00	1.236	0.171	/

Band	Antenna	Position	Dist.	Test Mode	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. no.
	Body-worn														
LTE B42	Ant.1	Back side	0mm	QPSK-20MHz	42840	3525	1	0	0.1	0.284	23.25	24.00	1.189	0.338	31
LTE B42	Ant.1	Back side	0mm		42840	3525	50	0	0.06	0.234	22.21	23.00	1.199	0.281	/
LTE B42	Ant.4	Back side	0mm	QPSK-20MHz	42840	3525	1	0	0.05	0.044	22.35	24.00	1.462	0.064	/
LTE B42	Ant.4	Back side	0mm		42840	3525	50	0	-0.03	0.042	21.31	23.00	1.476	0.062	/
	Front of face&Hotspot														
LTE B42	Ant.1	Front side	10mm	QPSK-20MHz	42840	3525	1	0	0.16	0.237	23.25	24.00	1.189	0.282	/
LTE B42	Ant.1	Back side	10mm		42840	3525	1	0	0.05	0.188	23.25	24.00	1.189	0.223	/
LTE B42	Ant.1	Left side	10mm		42840	3525	1	0	0.12	0.350	23.25	24.00	1.189	0.416	32
LTE B42	Ant.1	Front side	10mm		42840	3525	50	0	0.11	0.188	22.21	23.00	1.199	0.226	/
LTE B42	Ant.1	Back side	10mm		42840	3525	50	0	-0.06	0.154	22.21	23.00	1.199	0.185	/
LTE B42	Ant.1	Left side	10mm		42840	3525	50	0	-0.15	0.342	22.21	23.00	1.199	0.410	/
LTE B42	Ant.4	Front side	10mm	QPSK-20MHz	42840	3525	1	0	0.1	0.034	22.35	24.00	1.462	0.050	/
LTE B42	Ant.4	Back side	10mm		42840	3525	1	0	0.06	0.030	22.35	24.00	1.462	0.044	/
LTE B42	Ant.4	Right cheek	10mm		42840	3525	1	0	0.07	0.052	22.35	24.00	1.462	0.076	/
LTE B42	Ant.4	Bottom side	10mm		42840	3525	1	0	-0.03	0.033	22.35	24.00	1.462	0.048	/
LTE B42	Ant.4	Front side	10mm		42840	3525	50	0	0.01	0.033	21.31	23.00	1.476	0.049	/
LTE B42	Ant.4	Back side	10mm		42840	3525	50	0	0.02	0.029	21.31	23.00	1.476	0.043	/
LTE B42	Ant.4	Right side	10mm		42840	3525	50	0	0.15	0.047	21.31	23.00	1.476	0.069	/
LTE B42	Ant.4	Bottom side	10mm		42840	3525	50	0	-0.13	0.031	21.31	23.00	1.476	0.046	/

Band	Antenna	Position	Dist.	Test Mode	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. no.
	Body-worn														
LTE B43	Ant.1	Back side	0mm	QPSK-20MHz	44590	3700	1	0	0.01	0.327	22.98	23.50	1.127	0.369	33
LTE B43	Ant.1	Back side	0mm		44590	3700	50	0	-0.13	0.270	21.97	22.50	1.130	0.305	/
LTE B43	Ant.4	Back side	0mm	QPSK-20MHz	44590	3700	1	0	0.12	0.039	22.33	23.50	1.309	0.051	/
LTE B43	Ant.4	Back side	0mm		44590	3700	50	0	0.08	0.035	21.17	22.50	1.358	0.048	/
	Front of face&Hotspot														
LTE B43	Ant.1	Front side	10mm	QPSK-20MHz	44590	3700	1	0	0.03	0.335	22.98	23.50	1.127	0.378	/
LTE B43	Ant.1	Back side	10mm		44590	3700	1	0	0.14	0.177	22.98	23.50	1.127	0.200	/
LTE B43	Ant.1	Left side	10mm		44590	3700	1	0	0.05	0.683	22.98	23.50	1.127	0.770	34
LTE B43	Ant.1	Front side	10mm		44590	3700	50	0	-0.15	0.281	21.97	22.50	1.130	0.317	/
LTE B43	Ant.1	Back side	10mm		44590	3700	50	0	-0.14	0.138	21.97	22.50	1.130	0.156	/
LTE B43	Ant.1	Left side	10mm		44590	3700	50	0	-0.01	0.584	21.97	22.50	1.130	0.660	/
LTE B43	Ant.4	Front side	10mm	QPSK-20MHz	44590	3700	1	0	-0.03	0.027	22.33	23.50	1.309	0.035	/
LTE B43	Ant.4	Back side	10mm		44590	3700	1	0	-0.08	0.029	22.33	23.50	1.309	0.038	/
LTE B43	Ant.4	Right side	10mm		44590	3700	1	0	0.18	0.032	22.33	23.50	1.309	0.042	/
LTE B43	Ant.4	Bottom side	10mm		44590	3700	1	0	-0.04	0.028	22.33	23.50	1.309	0.037	/
LTE B43	Ant.4	Front side	10mm		44590	3700	50	0	-0.04	0.024	21.17	22.50	1.358	0.033	/
LTE B43	Ant.4	Back side	10mm		44590	3700	50	0	0.03	0.022	21.17	22.50	1.358	0.030	/
LTE B43	Ant.4	Right cheek	10mm		44590	3700	50	0	-0.13	0.025	21.17	22.50	1.358	0.034	/
LTE B43	Ant.4	Bottom side	10mm		44590	3700	50	0	-0.02	0.021	21.17	22.50	1.358	0.029	/

Band	Antenna	Position	Dist.	Test Mode	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. no.
	Body-worn														
LTE B48	Ant.1	Back side	0mm	QPSK-20MHz	55990	3625	1	0	0.02	0.118	19.49	20.50	1.262	0.149	35
LTE B48	Ant.1	Back side	0mm		55990	3625	50	0	-0.17	0.103	18.57	19.50	1.239	0.128	/
LTE B48	Ant.4	Back side	0mm	QPSK-20MHz	55990	3625	1	0	-0.03	0.039	19.48	20.50	1.265	0.049	/
LTE B48	Ant.4	Back side	0mm		55990	3625	50	0	0.08	0.035	18.49	19.50	1.262	0.044	/
	Front of face&Hotspot														
LTE B48	Ant.1	Front side	10mm	QPSK-20MHz	55990	3625	1	0	0.17	0.145	19.49	20.50	1.262	0.183	/
LTE B48	Ant.1	Back side	10mm		55990	3625	1	0	0.16	0.085	19.49	20.50	1.262	0.107	/
LTE B48	Ant.1	Left side	10mm		55990	3625	1	0	-0.05	0.278	19.49	20.50	1.262	0.351	36
LTE B48	Ant.1	Front side	10mm		55990	3625	50	0	0.14	0.132	18.57	19.50	1.239	0.164	/
LTE B48	Ant.1	Back side	10mm		55990	3625	50	0	0.14	0.073	18.57	19.50	1.239	0.090	/
LTE B48	Ant.1	Left side	10mm		55990	3625	50	0	0.07	0.228	18.57	19.50	1.239	0.282	/
LTE B48	Ant.4	Front side	10mm	QPSK-20MHz	55990	3625	1	0	0.10	0.029	19.48	20.50	1.265	0.037	/
LTE B48	Ant.4	Back side	10mm		55990	3625	1	0	0.04	0.030	19.48	20.50	1.265	0.038	/
LTE B48	Ant.4	Right side	10mm		55990	3625	1	0	-0.05	0.038	19.48	20.50	1.265	0.048	/
LTE B48	Ant.4	Bottom side	10mm		55990	3625	1	0	-0.02	0.027	19.48	20.50	1.265	0.034	/
LTE B48	Ant.4	Front side	10mm		55990	3625	50	0	-0.08	0.031	18.49	19.50	1.262	0.039	/
LTE B48	Ant.4	Back side	10mm		55990	3625	50	0	0.07	0.028	18.49	19.50	1.262	0.035	/
LTE B48	Ant.4	Right cheek	10mm		55990	3625	50	0	0.04	0.032	18.49	19.50	1.262	0.040	/
LTE B48	Ant.4	Bottom side	10mm		55990	3625	50	0	-0.06	0.035	18.49	19.50	1.262	0.044	/

Band	Antenna	Position	Dist.	Test Mode	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. no.
Body-worn															
LTE B5	Ant.4	Back side	0mm	QPSK-10MHz	20476+20575	831.6	1+49	1+0	0.12	0.534	23.20	24.00	1.202	0.642	/
Front of face&Hotspot															
LTE B5	Ant.4	Front side	10mm	QPSK-10MHz	20476+20575	831.6	1+49	1+0	-0.15	0.547	23.20	24.00	1.202	0.658	/

Band	Antenna	Position	Dist.	Test Mode	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. no.
Body-worn															
LTE B7	Ant.0	Back side	0mm	QPSK-20MHz	21001+21199	2525.1	1+99	1+0	-0.09	0.412	20.48	21.50	1.265	0.521	/
Front of face&Hotspot															
LTE B7	Ant.0	Left side	10mm	QPSK-20MHz	21001+21199	2525.1	1+99	1+0	0.14	0.338	20.48	21.50	1.265	0.427	/

Band	Antenna	Position	Dist.	Test Mode	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. no.
Body-worn															
LTE B66	Ant.0	Back side	0mm	QPSK-20MHz	132323+132521	1745.1	1+99	1+0	0.07	0.451	22.59	23.50	1.233	0.556	/
Front of face&Hotspot															
LTE B66	Ant.0	Left side	10mm	QPSK-20MHz	132322+132520	1745.1	1+99	1+0	0.16	0.198	22.59	23.50	1.233	0.244	/

Band	Antenna	Position	Dist.	Test Mode	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1-g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. no.
Body-worn															
LTE B38	Ant.0	Back side	0mm	QPSK-20MHz	37901+38099	2585.1	1+99	1+0	0.05	0.516	22.37	23.50	1.297	0.669	/
Front of face&Hotspot															
LTE B38	Ant.0	Left side	10mm	QPSK-20MHz	37901+38099	2585.1	1+99	1+0	-0.13	0.202	22.37	23.50	1.297	0.262	/

Band	Antenna	Position	Dist.	Test Mode	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. no.
Body-worn															
LTE B41	Ant.0	Back side	0mm	QPSK-20MHz	40521+40719	2583.1	1+99	1+0	0.12	0.531	25.37	26.50	1.297	0.689	/
Front of face&Hotspot															
LTE B41	Ant.0	Left side	10mm	QPSK-20MHz	40521+40719	2583.1	1+99	1+0	0.17	0.209	25.37	26.50	1.297	0.271	/
Body-worn															
LTE B42	Ant.1	Back side	0mm	QPSK-20MHz	42491+42689	3490.1	1+99	1+0	-0.15	0.268	23.18	24.00	1.208	0.324	/
Front of face&Hotspot															
LTE B42	Ant.1	Left side	10mm	QPSK-20MHz	42491+42689	3490.1	1+99	1+0	0.13	0.334	23.18	24.00	1.208	0.403	/
Body-worn															
LTE B48	Ant.1	Back side	0mm	QPSK-20MHz	55891+56089	3615.1	1+99	1+0	-0.09	0.104	22.71	23.50	1.199	0.125	/
Front of face&Hotspot															
LTE B48	Ant.1	Left side	10mm	QPSK-20MHz	40521+40719	3615.1	1+99	1+0	-0.18	0.264	22.71	23.50	1.199	0.317	/

Test Band	Antenna	Test Position	Dist.	Test Mode	SCS	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. No.
	Body-worn															
NR n2 SA	Ant.0	Back side	0mm	(BW 20MHz) DFT-s-OFDM BPSK	DFT-15kHz	376000	1880	1	1	-0.03	0.640	22.75	23.50	1.189	0.761	37
NR n2 SA	Ant.0	Back side	0mm			376000	1880	50	28	-0.18	0.547	22.71	23.50	1.199	0.656	/
NR n2 SA	Ant.4	Back side	0mm	(BW 20MHz) DFT-s-OFDM BPSK	DFT-15kHz	376000	1880	1	1	0.05	0.429	23.12	23.50	1.091	0.468	/
NR n2 SA	Ant.4	Back side	0mm			376000	1880	50	28	0.12	0.420	23.04	23.50	1.112	0.467	/
	Front of face&Hotspot															
NR n2 SA	Ant.0	Front side	10mm	(BW 20MHz) DFT-s-OFDM BPSK	DFT-15kHz	376000	1880	1	1	-0.16	0.257	22.75	23.50	1.189	0.305	/
NR n2 SA	Ant.0	Back side	10mm			376000	1880	1	1	-0.05	0.206	22.75	23.50	1.189	0.245	/
NR n2 SA	Ant.0	Left side	10mm			376000	1880	1	1	-0.02	0.410	22.75	23.50	1.189	0.487	/
NR n2 SA	Ant.0	Bottom side	10mm			376000	1880	1	1	0.09	0.174	22.75	23.50	1.189	0.207	/
NR n2 SA	Ant.0	Front side	10mm			376000	1880	50	28	0.18	0.292	22.71	23.50	1.199	0.350	/
NR n2 SA	Ant.0	Back side	10mm			376000	1880	50	28	-0.19	0.192	22.71	23.50	1.199	0.230	/
NR n2 SA	Ant.0	Left side	10mm			376000	1880	50	28	-0.03	0.400	22.71	23.50	1.199	0.480	/
NR n2 SA	Ant.0	Bottom side	10mm			376000	1880	50	28	-0.07	0.171	22.71	23.50	1.199	0.205	/
NR n2 SA	Ant.4	Front side	10mm	(BW 20MHz) DFT-s-OFDM BPSK	DFT-15kHz	376000	1880	1	1	-0.13	0.217	23.12	23.50	1.091	0.237	/
NR n2 SA	Ant.4	Back side	10mm			376000	1880	1	1	-0.02	0.108	23.12	23.50	1.091	0.118	/
NR n2 SA	Ant.4	Right side	10mm			376000	1880	1	1	-0.06	0.464	23.12	23.50	1.091	0.506	/
NR n2 SA	Ant.4	Bottom side	10mm			376000	1880	1	1	0.02	0.330	23.12	23.50	1.091	0.360	/
NR n2 SA	Ant.4	Front side	10mm			376000	1880	50	28	-0.07	0.217	23.04	23.50	1.112	0.241	/
NR n2 SA	Ant.4	Back side	10mm			376000	1880	50	28	0.14	0.114	23.04	23.50	1.112	0.127	/
NR n2 SA	Ant.4	Right side	10mm			376000	1880	50	28	-0.12	0.488	23.04	23.50	1.112	0.543	38
NR n2 SA	Ant.4	Bottom side	10mm			376000	1880	50	28	0.14	0.306	23.04	23.50	1.112	0.340	/

Test Band	Antenna	Test Position	Dist.	Test Mode	SCS	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. No.
Body-worn																
NR n5 SA	Ant.2	Back side	0mm	(BW 20MHz) DFT-s-OFDM BPSK	DFT-15kHz	167300	836.5	1	1	0.09	0.029	23.48	24.00	1.127	0.033	/
NR n5 SA	Ant.2	Back side	0mm			167300	836.5	50	28	0.17	0.027	23.36	24.00	1.159	0.031	/
NR n5 SA	Ant.4	Back side	0mm	(BW 20MHz) DFT-s-OFDM BPSK	DFT-15kHz	167300	836.5	1	1	0.15	0.538	23.49	24.00	1.125	0.605	/
NR n5 SA	Ant.4	Back side	0mm			167300	836.5	50	28	0.04	0.601	23.38	24.00	1.153	0.693	39
Front of face&Hotspot																
NR n5 SA	Ant.2	Front side	10mm	(BW 20MHz) DFT-s-OFDM BPSK	DFT-15kHz	167300	836.5	1	1	-0.12	0.048	23.48	24.00	1.127	0.054	/
NR n5 SA	Ant.2	Back side	10mm			167300	836.5	1	1	0.17	0.022	23.48	24.00	1.127	0.025	/
NR n5 SA	Ant.2	Right side	10mm			167300	836.5	1	1	0.08	0.021	23.48	24.00	1.127	0.024	/
NR n5 SA	Ant.2	Bottom side	10mm			167300	836.5	1	1	-0.17	0.024	23.48	24.00	1.127	0.027	/
NR n5 SA	Ant.2	Front side	10mm			167300	836.5	50	28	-0.03	0.044	23.36	24.00	1.159	0.051	/
NR n5 SA	Ant.2	Back side	10mm			167300	836.5	50	28	-0.12	0.019	23.36	24.00	1.159	0.022	/
NR n5 SA	Ant.2	Right side	10mm			167300	836.5	50	28	0.17	0.022	23.36	24.00	1.159	0.025	/
NR n5 SA	Ant.2	Bottom side	10mm			167300	836.5	50	28	0.12	0.021	23.36	24.00	1.159	0.024	/
NR n5 SA	Ant.4	Front side	10mm	(BW 20MHz) DFT-s-OFDM BPSK	DFT-15kHz	167300	836.5	1	1	-0.04	0.529	23.49	24.00	1.125	0.595	/
NR n5 SA	Ant.4	Back side	10mm			167300	836.5	1	1	-0.12	0.265	23.49	24.00	1.125	0.298	/
NR n5 SA	Ant.4	Right side	10mm			167300	836.5	1	1	-0.1	0.108	23.49	24.00	1.125	0.121	/
NR n5 SA	Ant.4	Bottom side	10mm			167300	836.5	1	1	0.18	0.389	23.49	24.00	1.125	0.437	/
NR n5 SA	Ant.4	Front side	10mm			167300	836.5	50	28	0.12	0.556	23.38	24.00	1.153	0.641	40
NR n5 SA	Ant.4	Back side	10mm			167300	836.5	50	28	0.09	0.310	23.38	24.00	1.153	0.358	/
NR n5 SA	Ant.4	Right side	10mm			167300	836.5	50	28	0.11	0.150	23.38	24.00	1.153	0.173	/
NR n5 SA	Ant.4	Bottom side	10mm			167300	836.5	50	28	-0.04	0.343	23.38	24.00	1.153	0.396	/

Test Band	Antenna	Test Position	Dist.	Test Mode	SCS	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. No.
Body-worn																
NR n7 SA	Ant.0	Back side	0mm	(BW 20MHz) DFT-s-OFDM BPSK	DFT-15kHz	507000	2535	1	1	0.09	0.437	20.21	21.00	1.199	0.524	/
NR n7 SA	Ant.0	Back side	0mm			507000	2535	50	28	0.03	0.469	20.17	21.00	1.211	0.568	41
Front of face&Hotspot																
NR n7 SA	Ant.0	Front side	10mm	(BW 20MHz) DFT-s-OFDM BPSK	DFT-15kHz	507000	2535	1	1	0.17	0.337	20.21	21.00	1.199	0.404	/
NR n7 SA	Ant.0	Back side	10mm			507000	2535	1	1	-0.04	0.160	20.21	21.00	1.199	0.192	/
NR n7 SA	Ant.0	Left side	10mm			507000	2535	1	1	-0.09	0.484	20.21	21.00	1.199	0.581	42
NR n7 SA	Ant.0	Bottom side	10mm			507000	2535	1	1	0.18	0.476	20.21	21.00	1.199	0.571	/
NR n7 SA	Ant.0	Front side	10mm			507000	2535	50	28	0.07	0.327	20.17	21.00	1.211	0.396	/
NR n7 SA	Ant.0	Back side	10mm			507000	2535	50	28	-0.06	0.164	20.17	21.00	1.211	0.199	/
NR n7 SA	Ant.0	Left side	10mm			507000	2535	50	28	0.04	0.438	20.17	21.00	1.211	0.530	/
NR n7 SA	Ant.0	Bottom side	10mm			507000	2535	50	28	0.11	0.449	20.17	21.00	1.211	0.544	/

Test Band	Antenna	Test Position	Dist.	Test Mode	SCS	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. No.
Body-worn																
NR n12 SA	Ant.4	Back side	0mm	(BW 15MHz) DFT-s-OFDM BPSK	DFT-15kHz	141500	707.5	1	1	0.02	0.256	22.75	24.00	1.334	0.341	/
NR n12 SA	Ant.4	Back side	0mm			141500	707.5	36	22	-0.19	0.329	22.70	24.00	1.349	0.444	43
Front of face&Hotspot																
NR n12 SA	Ant.4	Front side	10mm	(BW 15MHz) DFT-s-OFDM BPSK	DFT-15kHz	141500	707.5	1	1	-0.11	0.279	22.75	24.00	1.334	0.372	/
NR n12 SA	Ant.4	Back side	10mm			141500	707.5	1	1	0.03	0.180	22.75	24.00	1.334	0.240	/
NR n12 SA	Ant.4	Right side	10mm			141500	707.5	1	1	-0.10	0.284	22.75	24.00	1.334	0.379	44
NR n12 SA	Ant.4	Bottom side	10mm			141500	707.5	1	1	-0.14	0.124	22.75	24.00	1.334	0.165	/
NR n12 SA	Ant.4	Front side	10mm			141500	707.5	36	22	0.02	0.273	22.70	24.00	1.349	0.368	/
NR n12 SA	Ant.4	Back side	10mm			141500	707.5	36	22	-0.12	0.176	22.70	24.00	1.349	0.237	/
NR n12 SA	Ant.4	Right side	10mm			141500	707.5	36	22	0.09	0.269	22.70	24.00	1.349	0.363	/
NR n12 SA	Ant.4	Bottom side	10mm			141500	707.5	36	22	-0.02	0.113	22.70	24.00	1.349	0.152	/

Test Band	Antenna	Test Position	Dist.	Test Mode	SCS	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. No.
Body-worn																
NR n13 SA	Ant.4	Back side	0mm	(BW 10MHz) DFT-s-OFDM BPSK	DFT-15kHz	156400	782	1	1	0.17	0.373	23.12	24.00	1.225	0.457	/
NR n13 SA	Ant.4	Back side	0mm			156400	782	25	14	-0.11	0.425	23.00	24.00	1.259	0.535	45
Front of face&Hotspot																
NR n13 SA	Ant.4	Front side	10mm	(BW 10MHz) DFT-s-OFDM BPSK	DFT-15kHz	156400	782	1	1	-0.08	0.472	23.12	24.00	1.225	0.578	46
NR n13 SA	Ant.4	Back side	10mm			156400	782	1	1	0.18	0.377	23.12	24.00	1.225	0.462	/
NR n13 SA	Ant.4	Right side	10mm			156400	782	1	1	0.15	0.337	23.12	24.00	1.225	0.413	/
NR n13 SA	Ant.4	Bottom side	10mm			156400	782	1	1	-0.13	0.161	23.12	24.00	1.225	0.197	/
NR n13 SA	Ant.4	Front side	10mm			156400	782	25	14	-0.18	0.419	23.00	24.00	1.259	0.527	/
NR n13 SA	Ant.4	Back side	10mm			156400	782	25	14	0.06	0.346	23.00	24.00	1.259	0.436	/
NR n13 SA	Ant.4	Right side	10mm			156400	782	25	14	-0.03	0.286	23.00	24.00	1.259	0.360	/
NR n13 SA	Ant.4	Bottom side	10mm			156400	782	25	14	-0.15	0.190	23.00	24.00	1.259	0.239	/

Test Band	Antenna	Test Position	Dist.	Test Mode	SCS	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. No.
Body-worn																
NR n14 SA	Ant.4	Back side	0mm	(BW 10MHz) DFT-s-OFDM BPSK	DFT-15kHz	158600	793	1	1	-0.09	0.425	23.48	24.00	1.127	0.479	47
NR n14 SA	Ant.4	Back side	0mm			158600	793	25	14	0.06	0.402	23.34	24.00	1.164	0.468	/
Front of face&Hotspot																
NR n14 SA	Ant.4	Front side	10mm	(BW 10MHz) DFT-s-OFDM BPSK	DFT-15kHz	158600	793	1	1	0.18	0.461	23.48	24.00	1.127	0.520	48
NR n14 SA	Ant.4	Back side	10mm			158600	793	1	1	-0.07	0.318	23.48	24.00	1.127	0.358	/
NR n14 SA	Ant.4	Right side	10mm			158600	793	1	1	-0.11	0.237	23.48	24.00	1.127	0.267	/
NR n14 SA	Ant.4	Bottom side	10mm			158600	793	1	1	-0.06	0.251	23.48	24.00	1.127	0.283	/
NR n14 SA	Ant.4	Front side	10mm			158600	793	25	14	-0.08	0.419	23.34	24.00	1.164	0.488	/
NR n14 SA	Ant.4	Back side	10mm			158600	793	25	14	0.17	0.282	23.34	24.00	1.164	0.328	/
NR n14 SA	Ant.4	Right side	10mm			158600	793	25	14	-0.19	0.209	23.34	24.00	1.164	0.243	/
NR n14 SA	Ant.4	Bottom side	10mm			158600	793	25	14	0.1	0.256	23.34	24.00	1.164	0.298	/

Test Band	Antenna	Test Position	Dist.	Test Mode	SCS	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. No.
Body-worn																
NR n25 SA	Ant.0	Back side	0mm	(BW 20MHz) DFT-s-OFDM BPSK	DFT-15kHz	376500	1882.5	1	1	0.13	0.393	21.77	22.50	1.183	0.465	/
NR n25 SA	Ant.0	Back side	0mm			376500	1882.5	50	28	-0.14	0.388	21.67	22.50	1.211	0.470	49
NR n25 SA	Ant.4	Back side	0mm	(BW 20MHz) DFT-s-OFDM BPSK	DFT-15kHz	376500	1882.5	1	1	0.02	0.386	23.35	24.00	1.161	0.448	/
NR n25 SA	Ant.4	Back side	0mm			376500	1882.5	50	28	0.09	0.391	23.26	24.00	1.186	0.464	/
Front of face&Hotspot																
NR n25 SA	Ant.0	Front side	10mm	(BW 20MHz) DFT-s-OFDM BPSK	DFT-15kHz	376500	1882.5	1	1	-0.18	0.193	21.77	22.50	1.183	0.228	/
NR n25 SA	Ant.0	Back side	10mm			376500	1882.5	1	1	0.09	0.154	21.77	22.50	1.183	0.182	/
NR n25 SA	Ant.0	Left side	10mm			376500	1882.5	1	1	-0.02	0.285	21.77	22.50	1.183	0.337	/
NR n25 SA	Ant.0	Bottom side	10mm			376500	1882.5	1	1	-0.17	0.153	21.77	22.50	1.183	0.181	/
NR n25 SA	Ant.0	Front side	10mm			376500	1882.5	50	28	-0.13	0.213	21.67	22.50	1.211	0.258	/
NR n25 SA	Ant.0	Back side	10mm			376500	1882.5	50	28	-0.11	0.171	21.67	22.50	1.211	0.207	/
NR n25 SA	Ant.0	Left side	10mm			376500	1882.5	50	28	-0.11	0.295	21.67	22.50	1.211	0.357	/
NR n25 SA	Ant.0	Bottom side	10mm			376500	1882.5	50	28	-0.15	0.172	21.67	22.50	1.211	0.208	/
NR n25 SA	Ant.4	Front side	10mm	(BW 20MHz) DFT-s-OFDM BPSK	DFT-15kHz	376500	1882.5	1	1	0.06	0.230	23.35	24.00	1.161	0.267	/
NR n25 SA	Ant.4	Back side	10mm			376500	1882.5	1	1	0.01	0.121	23.35	24.00	1.161	0.141	/
NR n25 SA	Ant.4	Right side	10mm			376500	1882.5	1	1	0.07	0.520	23.35	24.00	1.161	0.604	/
NR n25 SA	Ant.4	Bottom side	10mm			376500	1882.5	1	1	-0.15	0.338	23.35	24.00	1.161	0.393	/
NR n25 SA	Ant.4	Front side	10mm			376500	1882.5	50	28	-0.08	0.239	23.26	24.00	1.186	0.283	/
NR n25 SA	Ant.4	Back side	10mm			376500	1882.5	50	28	-0.06	0.126	23.26	24.00	1.186	0.149	/
NR n25 SA	Ant.4	Right side	10mm			376500	1882.5	50	28	-0.09	0.546	23.26	24.00	1.186	0.647	50
NR n25 SA	Ant.4	Bottom side	10mm			376500	1882.5	50	28	0.08	0.429	23.26	24.00	1.186	0.509	/

Test Band	Antenna	Test Position	Dist.	Test Mode	SCS	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. No.
Body-worn																
NR n26 SA	Ant.4	Back side	0mm	(BW 20MHz) DFT-s-OFDM BPSK	DFT-15kHz	166300	831.5	1	1	0.05	0.513	23.41	24.00	1.146	0.588	/
NR n26 SA	Ant.4	Back side	0mm			166300	831.5	50	28	-0.08	0.519	23.30	24.00	1.175	0.610	51
Front of face&Hotspot																
NR n26 SA	Ant.4	Front side	10mm	(BW 20MHz) DFT-s-OFDM BPSK	DFT-15kHz	166300	831.5	1	1	-0.16	0.460	23.41	24.00	1.146	0.527	/
NR n26 SA	Ant.4	Back side	10mm			166300	831.5	1	1	-0.07	0.225	23.41	24.00	1.146	0.258	/
NR n26 SA	Ant.4	Right side	10mm			166300	831.5	1	1	-0.1	0.103	23.41	24.00	1.146	0.118	/
NR n26 SA	Ant.4	Bottom side	10mm			166300	831.5	1	1	-0.14	0.422	23.41	24.00	1.146	0.483	/
NR n26 SA	Ant.4	Front side	10mm			166300	831.5	50	28	-0.07	0.645	23.30	24.00	1.175	0.758	52
NR n26 SA	Ant.4	Back side	10mm			166300	831.5	50	28	-0.06	0.284	23.30	24.00	1.175	0.334	/
NR n26 SA	Ant.4	Right side	10mm			166300	831.5	50	28	-0.17	0.140	23.30	24.00	1.175	0.164	/
NR n26 SA	Ant.4	Bottom side	10mm			166300	831.5	50	28	0.04	0.393	23.30	24.00	1.175	0.462	/

Test Band	Antenna	Test Position	Dist.	Test Mode	SCS	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. No.
Body-worn																
NR n30 SA	Ant.0	Back side	0mm	(BW 10MHz) DFT-s-OFDM BPSK	DFT-15kHz	462000	2310	1	1	0.04	0.569	22.03	23.00	1.250	0.711	53
NR n30 SA	Ant.0	Back side	0mm			462000	2310	25	14	-0.12	0.556	21.96	23.00	1.271	0.706	/
Front of face&Hotspot																
NR n30 SA	Ant.0	Front side	10mm	(BW 10MHz) DFT-s-OFDM BPSK	DFT-15kHz	462000	2310	1	1	-0.18	0.266	22.03	23.00	1.250	0.333	/
NR n30 SA	Ant.0	Back side	10mm			462000	2310	1	1	-0.06	0.172	22.03	23.00	1.250	0.215	/
NR n30 SA	Ant.0	Left side	10mm			462000	2310	1	1	0.11	0.331	22.03	23.00	1.250	0.414	/
NR n30 SA	Ant.0	Bottom side	10mm			462000	2310	1	1	-0.04	0.384	22.03	23.00	1.250	0.480	/
NR n30 SA	Ant.0	Front side	10mm			462000	2310	25	14	-0.02	0.256	21.96	23.00	1.271	0.325	/
NR n30 SA	Ant.0	Back side	10mm			462000	2310	25	14	0.17	0.157	21.96	23.00	1.271	0.199	/
NR n30 SA	Ant.0	Left side	10mm			462000	2310	25	14	-0.09	0.316	21.96	23.00	1.271	0.402	/
NR n30 SA	Ant.0	Bottom side	10mm			462000	2310	25	14	-0.06	0.394	21.96	23.00	1.271	0.501	54

Test Band	Antenna	Test Position	Dist.	Test Mode	SCS	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. No.
Body-worn																
NR n66 SA	Ant.0	Back side	0mm	(BW 20MHz) DFT-s-OFDM BPSK	DFT-15kHz	349000	1745	1	1	0.13	0.642	22.58	23.50	1.236	0.793	55
NR n66 SA	Ant.0	Back side	0mm			349000	1745	50	28	-0.02	0.543	22.49	23.50	1.262	0.685	/
NR n66 SA	Ant.4	Back side	0mm	(BW 20MHz) DFT-s-OFDM BPSK	DFT-15kHz	349000	1745	1	1	-0.13	0.572	22.59	23.50	1.233	0.705	/
NR n66 SA	Ant.4	Back side	0mm			349000	1745	50	28	0.09	0.531	22.56	23.50	1.242	0.659	/
Front of face&Hotspot																
NR n66 SA	Ant.0	Front side	10mm	(BW 20MHz) DFT-s-OFDM BPSK	DFT-15kHz	349000	1745	1	1	-0.01	0.220	22.58	23.50	1.236	0.272	/
NR n66 SA	Ant.0	Back side	10mm			349000	1745	1	1	-0.06	0.223	22.58	23.50	1.236	0.276	/
NR n66 SA	Ant.0	Left side	10mm			349000	1745	1	1	0.16	0.236	22.58	23.50	1.236	0.292	/
NR n66 SA	Ant.0	Bottom side	10mm			349000	1745	1	1	-0.15	0.222	22.58	23.50	1.236	0.274	/
NR n66 SA	Ant.0	Front side	10mm			349000	1745	50	28	-0.13	0.222	22.49	23.50	1.262	0.280	/
NR n66 SA	Ant.0	Back side	10mm			349000	1745	50	28	-0.16	0.218	22.49	23.50	1.262	0.275	/
NR n66 SA	Ant.0	Left side	10mm			349000	1745	50	28	-0.03	0.322	22.49	23.50	1.262	0.406	/
NR n66 SA	Ant.0	Bottom side	10mm			349000	1745	50	28	-0.01	0.206	22.49	23.50	1.262	0.260	/
NR n66 SA	Ant.4	Front side	10mm	(BW 20MHz) DFT-s-OFDM BPSK	DFT-15kHz	349000	1745	1	1	0.15	0.349	22.59	23.50	1.233	0.430	/
NR n66 SA	Ant.4	Back side	10mm			349000	1745	1	1	0.17	0.225	22.59	23.50	1.233	0.277	/
NR n66 SA	Ant.4	Right side	10mm			349000	1745	1	1	-0.07	0.442	22.59	23.50	1.233	0.545	56
NR n66 SA	Ant.4	Bottom side	10mm			349000	1745	1	1	-0.13	0.153	22.59	23.50	1.233	0.189	/
NR n66 SA	Ant.4	Front side	10mm			349000	1745	50	28	-0.17	0.237	22.56	23.50	1.242	0.294	/
NR n66 SA	Ant.4	Back side	10mm			349000	1745	50	28	-0.15	0.146	22.56	23.50	1.242	0.181	/
NR n66 SA	Ant.4	Right side	10mm			349000	1745	50	28	0.14	0.394	22.56	23.50	1.242	0.489	/
NR n66 SA	Ant.4	Bottom side	10mm			349000	1745	50	28	-0.01	0.156	22.56	23.50	1.242	0.194	/

Test Band	Antenna	Test Position	Dist.	Test Mode	SCS	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. No.
Body-worn																
NR n71 SA	Ant.4	Back side	0mm	(BW 20MHz) DFT-s-OFDM BPSK	DFT-15kHz	136100	680.5	1	1	0.12	0.366	23.51	24.00	1.119	0.410	57
NR n71 SA	Ant.4	Back side	0mm			136100	680.5	50	28	-0.14	0.311	23.44	24.00	1.138	0.354	/
Front of face&Hotspot																
NR n71 SA	Ant.4	Front side	10mm	(BW 20MHz) DFT-s-OFDM BPSK	DFT-15kHz	136100	680.5	1	1	-0.08	0.334	23.51	24.00	1.119	0.374	/
NR n71 SA	Ant.4	Back side	10mm			136100	680.5	1	1	-0.01	0.208	23.51	24.00	1.119	0.233	/
NR n71 SA	Ant.4	Right side	10mm			136100	680.5	1	1	-0.2	0.430	23.51	24.00	1.119	0.481	58
NR n71 SA	Ant.4	Bottom side	10mm			136100	680.5	1	1	0.08	0.080	23.51	24.00	1.119	0.090	/
NR n71 SA	Ant.4	Front side	10mm			136100	680.5	50	28	-0.08	0.288	23.44	24.00	1.138	0.328	/
NR n71 SA	Ant.4	Back side	10mm			136100	680.5	50	28	-0.07	0.203	23.44	24.00	1.138	0.231	/
NR n71 SA	Ant.4	Right side	10mm			136100	680.5	50	28	0.02	0.313	23.44	24.00	1.138	0.356	/
NR n71 SA	Ant.4	Bottom side	10mm			136100	680.5	50	28	0.02	0.055	23.44	24.00	1.138	0.063	/

Test Band	Antenna	Test Position	Dist.	Test Mode	SCS	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. No.
Body-worn																
NR n38 SA	Ant.0	Back side	0mm	(BW 40MHz) DFT-s-OFDM BPSK	DFT-30kHz	519000	2595	1	1	0.09	0.309	19.21	20.50	1.346	0.416	59
NR n38 SA	Ant.0	Back side	0mm			519000	2595	50	28	-0.01	0.275	19.18	20.50	1.355	0.373	/
NR n38 SA	Ant.4	Back side	0mm	(BW 40MHz) DFT-s-OFDM BPSK	DFT-30kHz	519000	2595	1	1	-0.15	0.181	18.06	19.00	1.242	0.225	/
NR n38 SA	Ant.4	Back side	0mm			519000	2595	50	28	0.1	0.191	18.00	19.00	1.259	0.240	/
Front of face&Hotspot																
NR n38 SA	Ant.0	Front side	10mm	(BW 40MHz) DFT-s-OFDM BPSK	DFT-30kHz	519000	2595	1	1	-0.11	0.174	19.21	20.50	1.346	0.234	/
NR n38 SA	Ant.0	Back side	10mm			519000	2595	1	1	-0.19	0.123	19.21	20.50	1.346	0.166	/
NR n38 SA	Ant.0	Left side	10mm			519000	2595	1	1	-0.2	0.284	19.21	20.50	1.346	0.382	60
NR n38 SA	Ant.0	Bottom side	10mm			519000	2595	1	1	-0.17	0.222	19.21	20.50	1.346	0.299	/
NR n38 SA	Ant.0	Front side	10mm			519000	2595	50	28	-0.04	0.180	19.18	20.50	1.355	0.244	/
NR n38 SA	Ant.0	Back side	10mm			519000	2595	50	28	-0.06	0.128	19.18	20.50	1.355	0.173	/
NR n38 SA	Ant.0	Left side	10mm			519000	2595	50	28	-0.16	0.247	19.18	20.50	1.355	0.335	/
NR n38 SA	Ant.0	Bottom side	10mm			519000	2595	50	28	-0.09	0.191	19.18	20.50	1.355	0.259	/
NR n38 SA	Ant.4	Front side	10mm	(BW 40MHz) DFT-s-OFDM BPSK	DFT-30kHz	519000	2595	1	1	-0.02	0.088	18.06	19.00	1.242	0.109	/
NR n38 SA	Ant.4	Back side	10mm			519000	2595	1	1	-0.03	0.068	18.06	19.00	1.242	0.084	/
NR n38 SA	Ant.4	Right side	10mm			519000	2595	1	1	-0.17	0.161	18.06	19.00	1.242	0.200	/
NR n38 SA	Ant.4	Bottom side	10mm			519000	2595	1	1	-0.18	0.057	18.06	19.00	1.242	0.071	/
NR n38 SA	Ant.4	Front side	10mm			519000	2595	50	28	0.05	0.116	18.00	19.00	1.259	0.146	/
NR n38 SA	Ant.4	Back side	10mm			519000	2595	50	28	0.09	0.081	18.00	19.00	1.259	0.102	/
NR n38 SA	Ant.4	Right side	10mm			519000	2595	50	28	-0.04	0.194	18.00	19.00	1.259	0.244	/
NR n38 SA	Ant.4	Bottom side	10mm			519000	2595	50	28	0.1	0.070	18.00	19.00	1.259	0.088	/

Test Band	Antenna	Test Position	Dist.	Test Mode	SCS	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. No.
	Body-worn															
NR n41 SA	Ant.0	Back side	0mm	(BW 100MHz) DFT-s-OFDM BPSK	DFT-30kHz	518598	2592.99	1	1	0.12	0.186	17.45	18.50	1.274	0.237	61
NR n41 SA	Ant.0	Back side	0mm			518598	2592.99	135	69	0.14	0.163	17.43	18.50	1.279	0.209	/
NR n41 SA	Ant.4	Back side	0mm	(BW 100MHz) DFT-s-OFDM BPSK	DFT-30kHz	518598	2592.99	1	1	-0.02	0.158	18.33	19.50	1.309	0.207	/
NR n41 SA	Ant.4	Back side	0mm			518598	2592.99	135	69	0.04	0.152	18.24	19.50	1.337	0.203	/
	Front of face&Hotspot															
NR n41 SA	Ant.0	Front side	10mm	(BW 100MHz) DFT-s-OFDM BPSK	DFT-30kHz	518598	2592.99	1	1	0.17	0.140	17.45	18.50	1.274	0.178	/
NR n41 SA	Ant.0	Back side	10mm			518598	2592.99	1	1	-0.12	0.076	17.45	18.50	1.274	0.097	/
NR n41 SA	Ant.0	Left side	10mm			518598	2592.99	1	1	-0.03	0.220	17.45	18.50	1.274	0.280	62
NR n41 SA	Ant.0	Bottom side	10mm			518598	2592.99	1	1	-0.19	0.177	17.45	18.50	1.274	0.225	/
NR n41 SA	Ant.0	Front side	10mm			518598	2592.99	135	69	-0.02	0.125	17.43	18.50	1.279	0.160	/
NR n41 SA	Ant.0	Back side	10mm			518598	2592.99	135	69	0.04	0.090	17.43	18.50	1.279	0.115	/
NR n41 SA	Ant.0	Left side	10mm			518598	2592.99	135	69	0.12	0.179	17.43	18.50	1.279	0.229	/
NR n41 SA	Ant.0	Bottom side	10mm			518598	2592.99	135	69	0.14	0.138	17.43	18.50	1.279	0.177	/
NR n41 SA	Ant.4	Front side	10mm	(BW 100MHz) DFT-s-OFDM BPSK	DFT-30kHz	518598	2592.99	1	1	0.04	0.076	18.33	19.50	1.309	0.099	/
NR n41 SA	Ant.4	Back side	10mm			518598	2592.99	1	1	0.17	0.067	18.33	19.50	1.309	0.088	/
NR n41 SA	Ant.4	Right side	10mm			518598	2592.99	1	1	-0.08	0.125	18.33	19.50	1.309	0.164	/
NR n41 SA	Ant.4	Bottom side	10mm			518598	2592.99	1	1	-0.11	0.049	18.33	19.50	1.309	0.064	/
NR n41 SA	Ant.4	Front side	10mm			518598	2592.99	135	69	-0.11	0.113	18.24	19.50	1.337	0.151	/
NR n41 SA	Ant.4	Back side	10mm			518598	2592.99	135	69	-0.06	0.084	18.24	19.50	1.337	0.112	/
NR n41 SA	Ant.4	Right side	10mm			518598	2592.99	135	69	-0.16	0.196	18.24	19.50	1.337	0.262	/
NR n41 SA	Ant.4	Bottom side	10mm			518598	2592.99	135	69	-0.11	0.071	18.24	19.50	1.337	0.095	/

Test Band	Antenna	Test Position	Dist.	Test Mode	SCS	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. No.
Body-worn																
NR n48 SA	Ant.1	Back side	0mm	(BW 40MHz) DFT-s-OFDM BPSK	DFT-30kHz	641666	3624.99	1	1	0.13	0.080	16.26	17.50	1.330	0.106	/
NR n48 SA	Ant.1	Back side	0mm			641666	3624.99	50	28	-0.06	0.085	16.16	17.50	1.361	0.116	63
NR n48 SA	Ant.4	Back side	0mm	(BW 40MHz) DFT-s-OFDM BPSK	DFT-30kHz	641666	3624.99	1	1	0.07	0.030	20.47	21.50	1.268	0.038	/
NR n48 SA	Ant.4	Back side	0mm			641666	3624.99	50	28	-0.05	0.028	20.43	21.50	1.279	0.036	/
Front of face&Hotspot																
NR n48 SA	Ant.1	Front side	10mm	(BW 40MHz) DFT-s-OFDM BPSK	DFT-30kHz	641666	3624.99	1	1	0.04	0.065	16.26	17.50	1.330	0.086	/
NR n48 SA	Ant.1	Back side	10mm			641666	3624.99	1	1	-0.07	0.037	16.26	17.50	1.330	0.049	/
NR n48 SA	Ant.1	Left side	10mm			641666	3624.99	1	1	0.13	0.159	16.26	17.50	1.330	0.212	/
NR n48 SA	Ant.1	Front side	10mm			641666	3624.99	50	28	0.06	0.081	16.16	17.50	1.361	0.110	/
NR n48 SA	Ant.1	Back side	10mm			641666	3624.99	50	28	-0.03	0.039	16.16	17.50	1.361	0.053	/
NR n48 SA	Ant.1	Left side	10mm	(BW 40MHz) DFT-s-OFDM BPSK	DFT-30kHz	641666	3624.99	50	28	0.01	0.188	16.16	17.50	1.361	0.256	64
NR n48 SA	Ant.4	Front side	10mm			641666	3624.99	1	1	0.09	0.036	20.47	21.50	1.268	0.046	/
NR n48 SA	Ant.4	Back side	10mm			641666	3624.99	1	1	-0.13	0.020	20.47	21.50	1.268	0.025	/
NR n48 SA	Ant.4	Right side	10mm			641666	3624.99	1	1	0.11	0.047	20.47	21.50	1.268	0.060	/
NR n48 SA	Ant.4	Bottom side	10mm			641666	3624.99	1	1	0.04	0.030	20.47	21.50	1.268	0.038	/
NR n48 SA	Ant.4	Front side	10mm			641666	3624.99	50	28	0.02	0.032	20.43	21.50	1.279	0.041	/
NR n48 SA	Ant.4	Back side	10mm			641666	3624.99	50	28	-0.08	0.028	20.43	21.50	1.279	0.036	/
NR n48 SA	Ant.4	Right side	10mm			641666	3624.99	50	28	-0.17	0.033	20.43	21.50	1.279	0.042	/
NR n48 SA	Ant.4	Bottom side	10mm			641666	3624.99	50	28	-0.13	0.030	20.43	21.50	1.279	0.038	/

Test Band	Antenna	Test Position	Dist.	Test Mode	SCS	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. No.
	Body-worn															
NR n77 SA	Ant.1	Back side	0mm	(BW 100MHz) DFT-s-OFDM BPSK	DFT-30kHz	636666	3549.99	1	1	0.09	0.105	16.36	17.50	1.300	0.137	65
NR n77 SA	Ant.1	Back side	0mm			636666	3549.99	135	69	-0.03	0.090	16.26	17.50	1.330	0.120	/
NR n77 SA	Ant.4	Back side	0mm	(BW 100MHz) DFT-s-OFDM BPSK	DFT-30kHz	636666	3549.99	1	1	-0.04	0.058	24.96	26.00	1.271	0.074	/
NR n77 SA	Ant.4	Back side	0mm			636666	3549.99	135	69	-0.17	0.069	24.82	26.00	1.312	0.091	/
	Front of face&Hotspot															
NR n77 SA	Ant.1	Front side	10mm	(BW 100MHz) DFT-s-OFDM BPSK	DFT-30kHz	636666	3549.99	1	1	0.12	0.084	16.36	17.50	1.300	0.109	/
NR n77 SA	Ant.1	Back side	10mm			636666	3549.99	1	1	-0.05	0.076	16.36	17.50	1.300	0.099	/
NR n77 SA	Ant.1	Left side	10mm			636666	3549.99	1	1	0.19	0.163	16.36	17.50	1.300	0.212	/
NR n77 SA	Ant.1	Front side	10mm			636666	3549.99	135	69	0.12	0.080	16.26	17.50	1.330	0.106	/
NR n77 SA	Ant.1	Back side	10mm			636666	3549.99	135	69	0.11	0.062	16.26	17.50	1.330	0.082	/
NR n77 SA	Ant.1	Left side	10mm	(BW 100MHz) DFT-s-OFDM BPSK	DFT-30kHz	636666	3549.99	135	69	-0.07	0.168	16.26	17.50	1.330	0.224	66
NR n77 SA	Ant.4	Front side	10mm			636666	3549.99	1	1	0.16	0.035	24.96	26.00	1.271	0.044	/
NR n77 SA	Ant.4	Back side	10mm			636666	3549.99	1	1	0.08	0.030	24.96	26.00	1.271	0.038	/
NR n77 SA	Ant.4	Right side	10mm			636666	3549.99	1	1	0.05	0.036	24.96	26.00	1.271	0.046	/
NR n77 SA	Ant.4	Bottom side	10mm			636666	3549.99	1	1	0.15	0.029	24.96	26.00	1.271	0.037	/
NR n77 SA	Ant.4	Front side	10mm			636666	3549.99	135	69	-0.19	0.032	24.82	26.00	1.312	0.042	/
NR n77 SA	Ant.4	Back side	10mm			636666	3549.99	135	69	-0.19	0.030	24.82	26.00	1.312	0.039	/
NR n77 SA	Ant.4	Right side	10mm			636666	3549.99	135	69	-0.08	0.035	24.82	26.00	1.312	0.046	/
NR n77 SA	Ant.4	Bottom side	10mm			636666	3549.99	135	69	-0.11	0.031	24.82	26.00	1.312	0.041	/

Test Band	Antenna	Test Position	Dist.	Test Mode	SCS	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. No.
Body-worn																
NR n77 SA	Ant.1	Back side	0mm	(BW 100MHz) DFT-s-OFDM BPSK	DFT-30kHz	656000	3840	1	1	0.17	0.116	16.63	17.50	1.222	0.142	/
NR n77 SA	Ant.1	Back side	0mm			656000	3840	135	69	0.07	0.127	16.56	17.50	1.242	0.158	67
NR n77 SA	Ant.4	Back side	0mm	(BW 100MHz) DFT-s-OFDM BPSK	DFT-30kHz	656000	3840	1	1	-0.01	0.038	24.81	26.00	1.315	0.050	/
NR n77 SA	Ant.4	Back side	0mm			656000	3840	135	69	0.02	0.036	24.64	26.00	1.368	0.049	/
Front of face&Hotspot																
NR n77 SA	Ant.1	Front side	10mm	(BW 100MHz) DFT-s-OFDM BPSK	DFT-30kHz	656000	3840	1	1	0.06	0.195	16.63	17.50	1.222	0.238	/
NR n77 SA	Ant.1	Back side	10mm			656000	3840	1	1	-0.19	0.075	16.63	17.50	1.222	0.092	/
NR n77 SA	Ant.1	Left side	10mm			656000	3840	1	1	0.08	0.306	16.63	17.50	1.222	0.374	68
NR n77 SA	Ant.1	Front side	10mm			656000	3840	135	69	0.04	0.177	16.56	17.50	1.242	0.220	/
NR n77 SA	Ant.1	Back side	10mm			656000	3840	135	69	0.15	0.070	16.56	17.50	1.242	0.087	/
NR n77 SA	Ant.1	Left side	10mm	(BW 100MHz) DFT-s-OFDM BPSK	DFT-30kHz	656000	3840	135	69	0.02	0.282	16.56	17.50	1.242	0.350	/
NR n77 SA	Ant.4	Front side	10mm			656000	3840	1	1	-0.14	0.035	24.81	26.00	1.315	0.046	/
NR n77 SA	Ant.4	Back side	10mm			656000	3840	1	1	0.05	0.044	24.81	26.00	1.315	0.058	/
NR n77 SA	Ant.4	Right side	10mm			656000	3840	1	1	-0.14	0.041	24.81	26.00	1.315	0.054	/
NR n77 SA	Ant.4	Bottom side	10mm			656000	3840	1	1	0.07	0.028	24.81	26.00	1.315	0.037	/
NR n77 SA	Ant.4	Front side	10mm			656000	3840	135	69	-0.02	0.030	24.64	26.00	1.368	0.041	/
NR n77 SA	Ant.4	Back side	10mm			656000	3840	135	69	0.15	0.032	24.64	26.00	1.368	0.044	/
NR n77 SA	Ant.4	Right side	10mm			656000	3840	135	69	-0.17	0.042	24.64	26.00	1.368	0.057	/
NR n77 SA	Ant.4	Bottom side	10mm			656000	3840	135	69	-0.13	0.029	24.64	26.00	1.368	0.040	/

Test Band	Antenna	Test Position	Dist.	Test Mode	SCS	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. No.
Body-worn																
NR n78 SA	Ant.1	Back side	0mm	(BW 100MHz) DFT-s-OFDM BPSK	DFT-30kHz	636666	3549.99	1	1	0.11	0.104	16.35	17.50	1.303	0.136	69
NR n78 SA	Ant.1	Back side	0mm			636666	3549.99	135	69	-0.13	0.080	16.28	17.50	1.324	0.106	/
NR n78 SA	Ant.4	Back side	0mm	(BW 100MHz) DFT-s-OFDM BPSK	DFT-30kHz	636666	3549.99	1	1	0.01	0.060	25.04	26.00	1.247	0.075	/
NR n78 SA	Ant.4	Back side	0mm			636666	3549.99	135	69	-0.01	0.042	24.89	26.00	1.291	0.054	/
Front of face&Hotspot																
NR n78 SA	Ant.1	Front side	10mm	(BW 100MHz) DFT-s-OFDM BPSK	DFT-30kHz	636666	3549.99	1	1	-0.02	0.079	16.35	17.50	1.303	0.103	/
NR n78 SA	Ant.1	Back side	10mm			636666	3549.99	1	1	0.07	0.078	16.35	17.50	1.303	0.102	/
NR n78 SA	Ant.1	Left side	10mm			636666	3549.99	1	1	-0.11	0.162	16.35	17.50	1.303	0.211	/
NR n78 SA	Ant.1	Front side	10mm			636666	3549.99	135	69	-0.01	0.070	16.28	17.50	1.324	0.093	/
NR n78 SA	Ant.1	Back side	10mm			636666	3549.99	135	69	0.06	0.060	16.28	17.50	1.324	0.079	/
NR n78 SA	Ant.1	Left side	10mm			636666	3549.99	135	69	-0.19	0.174	16.28	17.50	1.324	0.230	70
NR n78 SA	Ant.4	Front side	10mm	(BW 100MHz) DFT-s-OFDM BPSK	DFT-30kHz	636666	3549.99	1	1	-0.05	0.031	25.04	26.00	1.247	0.039	/
NR n78 SA	Ant.4	Back side	10mm			636666	3549.99	1	1	0.12	0.034	25.04	26.00	1.247	0.042	/
NR n78 SA	Ant.4	Right side	10mm			636666	3549.99	1	1	0.19	0.074	25.04	26.00	1.247	0.092	/
NR n78 SA	Ant.4	Bottom side	10mm			636666	3549.99	1	1	-0.02	0.034	25.04	26.00	1.247	0.042	/
NR n78 SA	Ant.4	Front side	10mm			636666	3549.99	135	69	0.1	0.049	24.89	26.00	1.291	0.063	/
NR n78 SA	Ant.4	Back side	10mm			636666	3549.99	135	69	0.09	0.034	24.89	26.00	1.291	0.044	/
NR n78 SA	Ant.4	Right side	10mm			636666	3549.99	135	69	0.15	0.025	24.89	26.00	1.291	0.032	/
NR n78 SA	Ant.4	Bottom side	10mm			636666	3549.99	135	69	-0.12	0.031	24.89	26.00	1.291	0.040	/

Test Band	Antenna	Test Position	Dist.	Test Mode	SCS	Channel	Freq. (MHz)	RB num.	RB Start	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Reported 1g SAR (W/kg)	Meas. No.
	Body-worn															
NR n78 SA	Ant.1	Back side	0mm	(BW 100MHz) DFT-s-OFDM BPSK	DFT-30kHz	650000	3750	1	1	0.05	0.111	16.12	17.50	1.374	0.153	/
NR n78 SA	Ant.1	Back side	0mm			650000	3750	135	69	-0.06	0.115	16.02	17.50	1.406	0.162	71
NR n78 SA	Ant.4	Back side	0mm	(BW 100MHz) DFT-s-OFDM BPSK	DFT-30kHz	650000	3750	1	1	-0.07	0.044	25.03	26.00	1.250	0.055	/
NR n78 SA	Ant.4	Back side	0mm			650000	3750	135	69	-0.17	0.042	24.79	26.00	1.321	0.055	/
	Front of face&Hotspot															
NR n78 SA	Ant.1	Front side	10mm	(BW 100MHz) DFT-s-OFDM BPSK	DFT-30kHz	650000	3750	1	1	-0.14	0.138	16.12	17.50	1.374	0.190	/
NR n78 SA	Ant.1	Back side	10mm			650000	3750	1	1	-0.16	0.057	16.12	17.50	1.374	0.078	/
NR n78 SA	Ant.1	Left side	10mm			650000	3750	1	1	-0.07	0.272	16.12	17.50	1.374	0.374	/
NR n78 SA	Ant.1	Front side	10mm			650000	3750	135	69	0.02	0.168	16.02	17.50	1.406	0.236	/
NR n78 SA	Ant.1	Back side	10mm			650000	3750	135	69	-0.17	0.066	16.02	17.50	1.406	0.093	/
NR n78 SA	Ant.1	Left side	10mm			650000	3750	135	69	0.05	0.268	16.02	17.50	1.406	0.377	72
NR n78 SA	Ant.4	Front side	10mm	(BW 100MHz) DFT-s-OFDM BPSK	DFT-30kHz	650000	3750	1	1	0.07	0.036	25.03	26.00	1.250	0.045	/
NR n78 SA	Ant.4	Back side	10mm			650000	3750	1	1	0.09	0.035	25.03	26.00	1.250	0.044	/
NR n78 SA	Ant.4	Right side	10mm			650000	3750	1	1	-0.02	0.042	25.03	26.00	1.250	0.053	/
NR n78 SA	Ant.4	Bottom side	10mm			650000	3750	1	1	0.15	0.033	25.03	26.00	1.250	0.041	/
NR n78 SA	Ant.4	Front side	10mm			650000	3750	135	69	0.12	0.032	24.79	26.00	1.321	0.042	/
NR n78 SA	Ant.4	Back side	10mm			650000	3750	135	69	0.08	0.101	24.79	26.00	1.321	0.133	/
NR n78 SA	Ant.4	Right side	10mm			650000	3750	135	69	0.07	0.034	24.79	26.00	1.321	0.045	/
NR n78 SA	Ant.4	Bottom side	10mm			650000	3750	135	69	0.08	0.037	24.79	26.00	1.321	0.049	/

Test Band	Test Band	Antenna	Test Position	Dist.	Test Mode	Test Channel	Freq.(MHz)	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle (%)	Duty Cycle Scaled Factor	Reported 1g SAR (W/kg)	Meas. No.
Wi-Fi2.4G	Body-worn															
	Wi-Fi2.4G	Ant.0	Back side	0mm	802.11b	1	2412	0.13	0.291	14.81	15.50	1.172	97.86	1.022	0.349	
	Wi-Fi2.4G	Ant.1	Back side	0mm		1	2412	-0.01	0.245	13.91	14.50	1.146	97.86	1.022	0.287	
	Wi-Fi2.4G	MIMO	Back side	0mm		11	2462	0.14	0.307	15.94	17.50	1.432	97.86	1.022	0.449	73
	Front of face&Hotspot															
	Wi-Fi2.4G	Ant.0	Front side	10mm	802.11b	1	2412	0.08	0.049	14.81	15.50	1.172	97.86	1.022	0.059	
	Wi-Fi2.4G	Ant.0	Back side	10mm		1	2412	-0.19	0.065	14.81	15.50	1.172	97.86	1.022	0.078	
	Wi-Fi2.4G	Ant.0	Left side	10mm		1	2412	0.01	0.232	14.81	15.50	1.172	97.86	1.022	0.278	74
	Wi-Fi2.4G	Ant.0	Right side	10mm		1	2412	-0.14	0.034	14.81	15.50	1.172	97.86	1.022	0.041	
	Wi-Fi2.4G	Ant.0	Top side	10mm		1	2412	0.09	0.024	14.81	15.50	1.172	97.86	1.022	0.029	
	Wi-Fi2.4G	Ant.0	Bottom side	10mm		1	2412	-0.04	0.024	14.81	15.50	1.172	97.86	1.022	0.029	
	Wi-Fi2.4G	Ant.1	Front side	10mm	802.11b	1	2412	0.16	0.072	13.91	14.50	1.146	97.86	1.022	0.084	
	Wi-Fi2.4G	Ant.1	Back side	10mm		1	2412	-0.05	0.083	13.91	14.50	1.146	97.86	1.022	0.097	
	Wi-Fi2.4G	Ant.1	Left side	10mm		1	2412	0.01	0.123	13.91	14.50	1.146	97.86	1.022	0.144	
	Wi-Fi2.4G	Ant.1	Right side	10mm		1	2412	-0.06	0.034	13.91	14.50	1.146	97.86	1.022	0.040	
	Wi-Fi2.4G	Ant.1	Top side	10mm		1	2412	0.13	0.052	13.91	14.50	1.146	97.86	1.022	0.061	
	Wi-Fi2.4G	Ant.1	Bottom side	10mm		1	2412	-0.17	0.024	13.91	14.50	1.146	97.86	1.022	0.028	
	Wi-Fi2.4G	MIMO	Front side	10mm	802.11b	11	2462	-0.12	0.031	15.94	17.50	1.432	97.86	1.022	0.045	
	Wi-Fi2.4G	MIMO	Back side	10mm		11	2462	0.05	0.058	15.94	17.50	1.432	97.86	1.022	0.085	
	Wi-Fi2.4G	MIMO	Left side	10mm		11	2462	0.03	0.109	15.94	17.50	1.432	97.86	1.022	0.160	
	Wi-Fi2.4G	MIMO	Right side	10mm		11	2462	-0.03	0.032	15.94	17.50	1.432	97.86	1.022	0.047	
	Wi-Fi2.4G	MIMO	Top side	10mm		11	2462	0.12	0.033	15.94	17.50	1.432	97.86	1.022	0.048	
Wi-Fi2.4G	MIMO	Bottom side	10mm	11		2462	0.12	0.032	15.94	17.50	1.432	97.86	1.022	0.047		

Test Band	Test Band	Antenna	Test Position	Dist.	Test Mode	Test Channel	Freq.(MHz)	Power Drift(dB)	Measured 1g SAR (W/kg)	Average Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle (%)	Duty Cycle Scaled Factor	Reported 1g SAR (W/kg)	Duty Cycle (%)
Wi-Fi5G	Body-worn															
	U-NII-1	Ant.0	Back side	0mm	802.11ac(VHT80)	42	5210	0.07	0.312	10.92	11.50	1.143	98.10	1.019	0.363	75
	U-NII-2A	Ant.0	Back side	0mm	802.11ac(VHT160)	50	5250	-0.15	0.232	9.52	10.50	1.253	97.78	1.023	0.297	
	U-NII-2C	Ant.0	Back side	0mm	802.11ac(VHT160)	114	5570	0.16	0.233	9.46	10.50	1.271	97.78	1.023	0.303	
	U-NII-3	Ant.0	Back side	0mm	802.11ac(VHT80)	155	5775	0.11	0.248	10.68	12.00	1.355	98.10	1.019	0.342	78
	U-NII-1	Ant.1	Back side	0mm	802.11ac(VHT80)	42	5210	-0.03	0.066	9.58	10.50	1.236	98.10	1.019	0.083	
	U-NII-2A	Ant.1	Back side	0mm	802.11ac(VHT160)	58	5290	-0.07	0.092	7.62	8.50	1.225	97.78	1.023	0.115	
	U-NII-2C	Ant.1	Back side	0mm	802.11ac(VHT160)	114	5570	-0.08	0.132	8.06	9.00	1.242	97.78	1.023	0.168	
	U-NII-3	Ant.1	Back side	0mm	802.11ac(VHT80)	155	5775	-0.17	0.183	8.92	10.00	1.282	98.10	1.019	0.239	
	U-NII-1	MIMO	Back side	0mm	802.11ac(VHT80)	42	5210	0.15	0.270	12.45	13.50	1.274	98.10	1.019	0.350	
	U-NII-2A	MIMO	Back side	0mm	802.11ac(VHT160)	58	5290	-0.18	0.252	12.00	13.00	1.259	97.78	1.023	0.325	76
	U-NII-2C	MIMO	Back side	0mm	802.11ac(VHT160)	114	5570	0.16	0.269	12.75	13.50	1.189	97.78	1.023	0.327	77
	U-NII-3	MIMO	Back side	0mm	802.11ac(VHT80)	155	5775	0.09	0.243	12.20	13.50	1.349	98.10	1.019	0.334	
	Front of face&Hotspot															
	U-NII-1	Ant.0	Front side	10mm	802.11ac(VHT80)	42	5210	0.07	0.034	10.92	11.50	1.143	98.10	1.019	0.040	
	U-NII-1	Ant.0	Back side	10mm		42	5210	-0.02	0.097	10.92	11.50	1.143	98.10	1.019	0.113	
	U-NII-1	Ant.0	Left side	10mm		42	5210	0.07	0.140	10.92	11.50	1.143	98.10	1.019	0.163	
	U-NII-1	Ant.0	Right side	10mm		42	5210	0.12	0.073	10.92	11.50	1.143	98.10	1.019	0.085	
	U-NII-1	Ant.0	Top side	10mm		42	5210	0.03	0.051	10.92	11.50	1.143	98.10	1.019	0.059	
	U-NII-1	Ant.0	Bottom side	10mm	802.11ac(VHT160)	42	5210	0.02	0.034	10.92	11.50	1.143	98.10	1.019	0.040	
	U-NII-2A	Ant.0	Front side	10mm		50	5250	-0.08	0.032	9.52	10.50	1.253	97.78	1.023	0.041	
	U-NII-2A	Ant.0	Back side	10mm		50	5250	0.06	0.043	9.52	10.50	1.253	97.78	1.023	0.055	
	U-NII-2A	Ant.0	Left side	10mm		50	5250	0.07	0.125	9.52	10.50	1.253	97.78	1.023	0.160	
	U-NII-2A	Ant.0	Right side	10mm		50	5250	-0.06	0.042	9.52	10.50	1.253	97.78	1.023	0.054	
	U-NII-2A	Ant.0	Top side	10mm	802.11ac(VHT160)	50	5250	0.17	0.045	9.52	10.50	1.253	97.78	1.023	0.058	
	U-NII-2A	Ant.0	Bottom side	10mm		50	5250	-0.19	0.064	9.52	10.50	1.253	97.78	1.023	0.082	
	U-NII-2C	Ant.0	Front side	10mm		114	5570	-0.03	0.021	9.46	10.50	1.271	97.78	1.023	0.027	
	U-NII-2C	Ant.0	Back side	10mm		114	5570	0.12	0.091	9.46	10.50	1.271	97.78	1.023	0.118	
	U-NII-2C	Ant.0	Left side	10mm		114	5570	0.19	0.095	9.46	10.50	1.271	97.78	1.023	0.123	
	U-NII-2C	Ant.0	Right side	10mm	802.11ac(VHT160)	114	5570	-0.09	0.115	9.46	10.50	1.271	97.78	1.023	0.149	
	U-NII-2C	Ant.0	Top side	10mm		114	5570	-0.14	0.088	9.46	10.50	1.271	97.78	1.023	0.114	
	U-NII-2C	Ant.0	Bottom side	10mm		114	5570	0.17	0.034	9.46	10.50	1.271	97.78	1.023	0.044	
	U-NII-3	Ant.0	Front side	10mm		155	5775	-0.06	0.034	10.68	12.00	1.355	98.10	1.019	0.047	
	U-NII-3	Ant.0	Back side	10mm		155	5775	0.07	0.115	10.68	12.00	1.355	98.10	1.019	0.159	
	U-NII-3	Ant.0	Left side	10mm	802.11ac(VHT80)	155	5775	-0.04	0.123	10.68	12.00	1.355	98.10	1.019	0.170	82
	U-NII-3	Ant.0	Right side	10mm		155	5775	-0.01	0.095	10.68	12.00	1.355	98.10	1.019	0.131	
	U-NII-3	Ant.0	Top side	10mm		155	5775	0.04	0.072	10.68	12.00	1.355	98.10	1.019	0.099	
	U-NII-3	Ant.0	Bottom side	10mm		155	5775	-0.05	0.103	10.68	12.00	1.355	98.10	1.019	0.142	
	U-NII-1	Ant.1	Front side	10mm		42	5210	-0.16	0.066	9.58	10.50	1.236	98.10	1.019	0.083	
	U-NII-1	Ant.1	Back side	10mm	802.11ac(VHT80)	42	5210	0.16	0.062	9.58	10.50	1.236	98.10	1.019	0.078	
	U-NII-1	Ant.1	Left side	10mm		42	5210	-0.04	0.065	9.58	10.50	1.236	98.10	1.019	0.082	
	U-NII-1	Ant.1	Right side	10mm		42	5210	-0.05	0.030	9.58	10.50	1.236	98.10	1.019	0.038	
	U-NII-1	Ant.1	Top side	10mm		42	5210	-0.18	0.032	9.58	10.50	1.236	98.10	1.019	0.040	
	U-NII-1	Ant.1	Bottom side	10mm		42	5210	-0.17	0.085	9.58	10.50	1.236	98.10	1.019	0.107	
	U-NII-2A	Ant.1	Front side	10mm	802.11ac(VHT160)	50	5250	-0.19	0.069	7.62	8.50	1.225	97.78	1.023	0.086	
	U-NII-2A	Ant.1	Back side	10mm		50	5250	-0.05	0.099	7.62	8.50	1.225	97.78	1.023	0.124	
	U-NII-2A	Ant.1	Left side	10mm		50	5250	0.06	0.060	7.62	8.50	1.225	97.78	1.023	0.075	
	U-NII-2A	Ant.1	Right side	10mm		50	5250	0.04	0.078	7.62	8.50	1.225	97.78	1.023	0.098	
	U-NII-2A	Ant.1	Top side	10mm		50	5250	-0.06	0.032	7.62	8.50	1.225	97.78	1.023	0.040	
	U-NII-2A	Ant.1	Bottom side	10mm	802.11ac(VHT160)	50	5250	-0.08	0.030	7.62	8.50	1.225	97.78	1.023	0.038	
	U-NII-2C	Ant.1	Front side	10mm		114	5570	-0.16	0.098	8.06	9.00	1.242	97.78	1.023	0.124	
	U-NII-2C	Ant.1	Back side	10mm		114	5570	0.01	0.090	8.06	9.00	1.242	97.78	1.023	0.114	
	U-NII-2C	Ant.1	Left side	10mm		114	5570	0.03	0.068	8.06	9.00	1.242	97.78	1.023	0.086	
	U-NII-2C	Ant.1	Right side	10mm		114	5570	0.1	0.097	8.06	9.00	1.242	97.78	1.023	0.123	
	U-NII-2C	Ant.1	Top side	10mm	802.11ac(VHT160)	114	5570	-0.09	0.089	8.06	9.00	1.242	97.78	1.023	0.113	
	U-NII-2C	Ant.1	Bottom side	10mm		114	5570	-0.1	0.061	8.06	9.00	1.242	97.78	1.023	0.077	
	U-NII-3	Ant.1	Front side	10mm		155	5775	-0.16	0.096	8.92	10.00	1.282	98.10	1.019	0.125	
	U-NII-3	Ant.1	Back side	10mm		155	5775	0.09	0.091	8.92	10.00	1.282	98.10	1.019	0.119	
	U-NII-3	Ant.1	Left side	10mm	802.11ac(VHT80)	155	5775	-0.02	0.103	8.92	10.00	1.282	98.10	1.019	0.135	
	U-NII-3	Ant.1	Right side	10mm		155	5775	-0.17	0.036	8.92	10.00	1.282	98.10	1.019	0.047	
	U-NII-3	Ant.1	Top side	10mm		155	5775	0.16	0.033	8.92	10.00	1.282	98.10	1.019	0.043	
	U-NII-3	Ant.1	Bottom side	10mm		155	5775	0.15	0.028	8.92	10.00	1.282	98.10	1.019	0.037	
	U-NII-1	MIMO	Front side	10mm	802.11ac(VHT80)	42	5210	0.19	0.080	12.45	13.50	1.274	98.10	1.019	0.104	
	U-NII-1	MIMO	Back side	10mm		42	5210	0.06	0.130	12.45	13.50	1.274	98.10	1.019	0.169	
	U-NII-1	MIMO	Left side	10mm		42	5210	0.11	0.170	12.45	13.50	1.274	98.10	1.019	0.221	79
	U-NII-1	MIMO	Right side	10mm		42	5210	0.07	0.042	12.45	13.50	1.274	98.10	1.019	0.055	
	U-NII-1	MIMO	Top side	10mm		42	5210	-0.19	0.090	12.45	13.50	1.274	98.10	1.019	0.117	
	U-NII-1	MIMO	Bottom side	10mm	802.11ac(VHT160)	42	5210	-0.08	0.032	12.45	13.50	1.274	98.10	1.019	0.042	
	U-NII-2A	MIMO	Front side	10mm		50	5250	0.13	0.046	12.00	13.00	1.259	97.78	1.023	0.059	
	U-NII-2A	MIMO	Back side	10mm		50	5250	-0.18	0.130	12.00	13.00	1.259	97.78	1.023	0.167	
	U-NII-2A	MIMO	Left side	10mm		50	5250	0.06	0.131	12.00	13.00	1.259	97.78	1.023	0.169	80
	U-NII-2A	MIMO	Right side	10mm		50	5250	-0.12	0.075	12.00	13.00	1.259	97.78	1.023	0.097	
	U-NII-2A	MIMO	Top side	10mm	802.11ac(VHT160)	50	5250	0.07	0.053	12.00	13.00	1.259	97.78	1.023	0.068	
	U-NII-2A	MIMO	Bottom side	10mm		50	5250	-0.04	0.089	12.00	13.00	1.259	97.78	1.023	0.115	
	U-NII-2C	MIMO	Front side	10mm		114	5570	-0.05	0.091	12.75	13.50	1.189	97.78	1.023	0.111	
	U-NII-2C	MIMO	Back side	10mm		114	5570	-0.04	0.132	12.75	13.50	1.189	97.78	1.023	0.160	
	U-NII-2C	MIMO	Left side	10mm	802.11ac(VHT160)	114	5570	0.04	0.143	12.75	13.50	1.189	97.78	1.023	0.174	81
U-NII-2C	MIMO	Right side	10mm	114		5570	-0.07	0.071	12.75	13.50	1.189	97.78	1.023	0.086		
U-NII-2C	MIMO	Top side	10mm	114		5570	-0.11	0.043	12.75	13.50	1.189	97.78	1.023	0.052		
U-NII-2C	MIMO	Bottom side	10mm	114		5570	0.14	0.066	12.75	13.50	1.189	97.78	1.023	0.080		
U-NII-3	MIMO	Front side	10mm	802.11ac(VHT80)	155	5775	-0.18	0.045	12.20	13.50	1.349	98.10	1.019	0.062		
U-NII-3	MIMO	Back side	10mm		155	5775	-0.18	0.091	12.20	13.50	1.349	98.10	1.019	0.125		
U-NII-3	MIMO	Left side	10mm		155	5775	0.19	0.095	12.20	13.50	1.349	98.10	1.019	0.131.		

10.2 NFC SAR

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

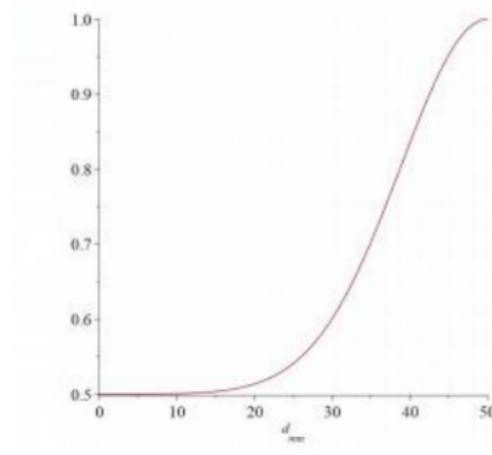
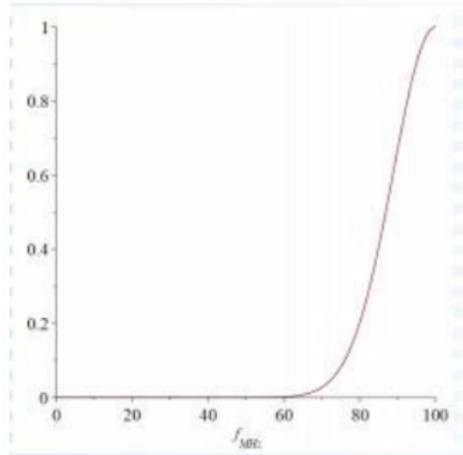
$$P_{7X}(d_{mm}, f_{MHz}) := \begin{cases} P_{6S}(d_{mm}, f_{MHz}) & f_{MHz} \leq 100 \\ P_{6to7}(d_{mm}, f_{MHz}) & 100 < f_{MHz} \leq 300 \\ P_7(d_{mm}, f_{MHz}) & 300 < f_{MHz} \end{cases}$$

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

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

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

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



d≤50mm			
f Max(MHz)	100	d Max(mm)	50

f MHz	13.56	d(mm)	5
△f(MHz)	100	△d	50
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: $E = ERP - 20\log D + 104.8$

where:

E = electric field strength in dB μ V/m,

ERP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

Mode	f (MHz)	Max. E-Field strength (dB μ V/m)	D (m)	Ground reflection factor (dB)	ERP (dBm)
NFC (13.56MHz)	13.56	51.57	3	6	-37.69
Note: 1. Add the appropriate maximum ground reflection factor to the ERP level (6 dB for frequencies ≤ 30 MHz). 2.ERP=51.57+20*Log(3) - 104.8 + 6 =-37.69 (dBm)					

According to the FCC KDB 447498 D04

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

Estimated SAR	1.6·Pant / Pth [W/kg]		
Pmeas.(dBm)	-37.69	Pmeas.(mW)	0.0002
Pth.(mW)	443.13		
NFC Estimated 1g SAR [W/kg]	<0.01		

11 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).

11.1 Simultaneous Transmission Mode Consider

No.	Simultaneous Tx Combination	Body-worn	Hotspot	Front of face
1	WWAN + Wi-Fi2.4G(Ant.0)	Yes	Yes	Yes
2	WWAN + Wi-Fi2.4G(Ant.1)	Yes	Yes	Yes
3	WWAN + Wi-Fi2.4G MIMO	Yes	Yes	Yes
4	WWAN + Wi-Fi5G(Ant.0)	Yes	Yes	Yes
5	WWAN + Wi-Fi5G(Ant.1)	Yes	Yes	Yes
6	WWAN + Wi-Fi5G MIMO	Yes	Yes	Yes
7	WWAN + Wi-Fi2.4G(Ant.0) + Wi-Fi5G(Ant.1)	Yes	Yes	Yes
8	WWAN + Wi-Fi2.4G(Ant.1) + Wi-Fi5G(Ant.0)	Yes	Yes	Yes

Note:

1. Bluetooth can't transmit simultaneously with WWAN, 2.4G WLAN or 5G WLAN.
2. 2.4G WLAN can't transmit simultaneously with 5G WLAN.
3. The maximum SAR summation is calculated based on the same configuration and test position.
4. 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.
5. 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.

11.2 Sum SAR of Simultaneous Transmission

Please refer the document "Ti-CC26060005-AST.pdf".

11.3 Highest Total Exposure Ratio of Simultaneous Transmission

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

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

maximum SAR value for Simultaneous Transmission is 1.45 [W/kg]. Therefore, the worst TER = (1.45+0.01)/1.6 = 0.91, the NFC SAR transmit simultaneously Pass.

12 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	52.10.4.1535	N/A	N/A
750MHz Validation Dipole	Speag	D750V3	1201	2024/09/03	2027/09/03
835MHz Validation Dipole	Speag	D835V2	4d277	2024/08/30	2027/08/30
1750MHz Validation Dipole	Speag	D1750V2	1183	2024/09/03	2027/09/03
1900MHz Validation Dipole	Speag	D1900V2	5d155	2024/09/02	2027/09/02
2300MHz Validation Dipole	Speag	D2300V2	1111	2024/09/03	2027/09/03
2450MHz Validation Dipole	Speag	D2450V2	1065	2024/09/05	2027/09/05
2600MHz Validation Dipole	Speag	D2600V2	1184	2024/08/30	2027/08/30
3500MHz Validation Dipole	Speag	D3500V2	1115	2024/09/03	2027/09/03
3700MHz Validation Dipole	Speag	D3700V2	1086	2024/09/05	2027/09/05
5GHz Validation Dipole	Speag	D5GHzV2	1333	2024/09/04	2027/09/04
Data Acquisition Electronics	Speag	DAE4	1389	2026/05/08	2027/05/08
E-Field Probe	Speag	EX3DV4	7986	2026/04/07	2027/04/07
Signal Generator	R&S	SMB100A	182635	2026/02/03	2027/02/03
Power Meter	Agilent	E4419B	MY45104512	2026/02/03	2027/02/03
Power Sensor	Agilent	E9304A	MY41499059	2026/02/03	2027/02/03
Power Sensor	Agilent	E9304A	MY41499060	2026/02/03	2027/02/03
Wireless Communication Test Set	R&S	CMW500	161880	2026/02/05	2027/02/05
Network Analyzer	Agilent	E5071C	MY56301409	2026/02/03	2027/02/03
Test Software	Agilent	2132/11/28	E04.02.13	N/A	N/A
Dielectric Probe Kit	Keysight	85070E	MY44300524	N/A	N/A
Thermometer	CEM	DT-322	210402350	2026/01/28	2027/01/28
Thermometer	Elitech	RC-4HC	EF7247001275	2026/01/28	2027/01/28
Power Amplifier	SATIMO	6552B	22374	N/A	N/A
Dielectric Probe Kit	Keysight	85070E	MY44300524	N/A	N/A
Phantom	Speag	SAM	SN: 1857	N/A	N/A
Attenuator	COM-MW	ZA-S1-31	1305003187	N/A	N/A

Note: For dipole antennas, Tejet 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 85070E Dielectric Probe Kit.

Head Liquid

Date	Liquid Type	Fre. (MHz)	Temp. (°C)	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ϵ)	Target Conductivity (σ) (S/m)	Target Permittivity (ϵ)	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2026.7.16	Head	750	21.6	0.87	42.34	0.89	41.94	-2.25	0.95
2026.7.17	Head	750	21.4	0.88	42.40	0.89	41.94	-1.12	1.10
2026.7.18	Head	835	21.5	0.91	41.99	0.90	41.50	1.11	1.18
2026.7.13	Head	1750	21.3	1.32	39.98	1.37	40.08	-3.65	-0.25
2026.7.14	Head	1900	21.1	1.41	39.90	1.40	40.00	0.71	-0.25
2026.7.17	Head	2300	21.4	1.67	40.47	1.67	39.47	0.00	2.53
2026.7.15	Head	2450	20.9	1.79	40.27	1.80	39.20	-0.56	2.73
2026.7.19	Head	2600	21.5	1.93	40.15	1.96	39.01	-1.53	2.92
2026.7.6	Head	2600	21.7	1.91	39.97	1.96	39.01	-2.55	2.46
2026.7.7	Head	3500	21.5	2.81	39.08	2.91	37.93	-3.44	3.03
2026.7.8	Head	3700	21.7	2.98	38.79	3.12	37.70	-4.49	2.89
2026.7.9	Head	3700	21.4	2.99	38.83	3.12	37.70	-4.17	3.00
2026.7.10	Head	3700	21.2	2.98	38.84	3.12	37.70	-4.49	3.02
2026.7.10	Head	3900	21.2	3.18	38.49	3.32	37.47	-4.22	2.72
2026.7.11	Head	5200	21.4	4.72	35.58	4.66	35.99	1.29	-1.14
2026.7.11	Head	5300	21.4	4.83	35.38	4.76	35.87	1.47	-1.37
2026.7.12	Head	5600	20.8	5.20	34.70	5.07	35.53	2.56	-2.34
2026.7.12	Head	5800	20.8	5.46	34.26	5.27	35.30	3.61	-2.95

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

ANNEX B SYSTEM CHECK RESULT

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

Head liquid 1g

Date	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2026.7.16	750	100	0.789	7.89	8.46	-6.74
2026.7.17	750	100	0.802	8.02	8.46	-5.20
2026.7.18	835	100	1.010	10.10	9.59	5.32
2026.7.13	1750	100	3.350	33.50	36.50	-8.22
2026.7.14	1900	100	3.990	39.90	39.90	0.00
2026.7.17	2300	100	4.780	47.80	49.10	-2.65
2026.7.15	2450	100	5.320	53.20	52.60	1.14
2026.7.19	2600	100	5.560	55.60	55.30	0.54
2026.7.6	2600	100	5.690	56.90	55.30	2.89
2026.7.7	3500	100	6.640	66.40	67.20	-1.19
2026.7.8	3700	100	6.750	67.50	66.70	1.20
2026.7.9	3700	100	6.680	66.80	66.70	0.15
2026.7.10	3700	100	6.440	64.40	66.70	-3.45
2026.7.10	3900	100	6.740	67.40	67.40	0.00
2026.7.11	5200	100	7.510	75.10	77.80	-3.47
2026.7.11	5300	100	8.550	85.50	79.00	8.23
2026.7.12	5600	100	8.390	83.90	82.80	1.33
2026.7.12	5800	100	7.900	79.00	78.50	0.64
Note: The tolerance limit of System validation $\pm 10\%$.						

Please refer the document "Ti-CC26060005-ASC.pdf".

ANNEX C TEST DATA

Please refer the document “Ti-CC26060005-ATD.pdf”.

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “Ti-CC26060005-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “Ti-CC26060005-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “Ti-CC26060005-AC.pdf”.

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