

TEST REPORT

Applicant: Shenzhen Wellstec Communications Co., Ltd
Address: 1403, Block A, BOTON Science & Technology Park,
No. 1044 Chaguang Road, Nanshan District,
ShenZhen, China
Equipment Type: Feature Flip Phone
Model Name: FP177W
Brand Name: Artia
FCC ID: 2AZP4-FP177W
Test Standard: FCC 47 CFR Part 2.1093
(refer section 3.1)
Maximum SAR: Head (1 g@0mm): 0.59 W/kg
Body-worn (1 g@10mm): 1.11 W/kg
Hotspot (1 g@10mm): 1.11 W/kg
Sample Arrival Date: Jun. 15, 2026
Test Date: Jun. 18, 2026 - Jun. 29, 2026
Date of Issue: Aug. 13, 2026

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Liu Haibo**Checked by:** Xu Rui**Approved by:** Liao Jianming

(Technical Director)

Liu Haibo

Xu Rui

Liao Jianming

Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Aug. 13, 2026</u>	<u>Initial Issue</u>

TABLE OF CONTENTS

1	GENERAL INFORMATION.....	4
1.1	Test Laboratory	4
1.2	Test Location	4
1.3	Test Environment Condition.....	4
2	PRODUCT INFORMATION	5
2.1	Applicant Information	5
2.2	Manufacturer Information.....	5
2.3	General Description for Equipment under Test (EUT).....	5
2.4	Ancillary Equipment.....	5
2.5	Technical Information	6
3	SUMMARY OF TEST RESULT	7
3.1	Test Standards	7
3.2	Device Category and SAR Limit	8
3.3	Test Result Summary	9
3.4	Test Uncertainty	10
4	MEASUREMENT SYSTEM	11
4.1	Specific Absorption Rate (SAR) Definition	11
4.2	DASY SAR System	12
5	SYSTEM VERIFICATION.....	19
5.1	Purpose of System Check	19
5.2	System Check Setup	19
6	TEST POSITION CONFIGURATIONS	20
6.1	Head Exposure Conditions	20
6.2	Body-worn Position Conditions	22

6.3	Hotspot Mode Exposure Position Conditions	23
6.4	Product Specific 10g Exposure Consideration	23
7	MEASUREMENT PROCEDURE	24
7.1	Measurement Process Diagram	24
7.2	SAR Scan General Requirement	25
7.3	Measurement Procedure	26
7.4	Area & Zoom Scan Procedure	26
8	CONDUCTED RF OUTPUT POWER	27
8.1	LTE.....	27
8.2	WIFI.....	27
8.3	Bluetooth	27
9	TEST EXCLUSION CONSIDERATION	28
10	TEST RESULT	29
10.1	LTE.....	29
10.2	WIFI.....	44
10.3	Bluetooth	45
11	SAR Measurement Variability	46
12	SIMULTANEOUS TRANSMISSION.....	47
12.1	Simultaneous Transmission Mode Consider	47
12.2	Sum SAR of Simultaneous Transmission	47
13	TEST EQUIPMENTS LIST	48
ANNEX A	SIMULATING LIQUID VERIFICATION RESULT	49
ANNEX B	SYSTEM CHECK RESULT	50
ANNEX C	TEST DATA.....	51
ANNEX D	EUT EXTERNAL PHOTOS.....	51
ANNEX E	SAR TEST SETUP PHOTOS	51
ANNEX F	CALIBRATION REPORT	51
ANNEX G	TUNE-UP PROCEDURE.....	51

1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Address	601, Building 2, Intelligent Connected Vehicle Industrial Park, No.55, Xiangshan Road, Luotian Community, Yanluo Sub-district, Bao'an District, Shenzhen
Phone Number	+86 755 6685 0100

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☐ Building 2, Intelligent Connected Vehicle Industrial Park, No.55, Xiangshan Road, Luotian Community, Yanluo Sub-district, Bao'an District, Shenzhen, Guangdong ☒ 1/F., Building B, Ganghongji High-Tech Intelligent Industrial Park, No.1008, Songbai Road, Yangguang Community, Xili Subdistrict, Nanshan District, Shenzhen, Guangdong
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.

1.3 Test Environment Condition

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

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Shenzhen Wellstec Communications Co., Ltd
Address	1403, Block A, BOTON Science & Technology Park, No. 1044 Chaguang Road, Nanshan District, ShenZhen, China

2.2 Manufacturer Information

Manufacturer	Shenzhen Wellstec Communications Co., Ltd
Address	1403, Block A, BOTON Science & Technology Park, No. 1044 Chaguang Road, Nanshan District, ShenZhen, China

2.3 General Description for Equipment under Test (EUT)

EUT Name	Feature Flip Phone
Model Name Under Test	FP177W
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	Harbor-MB-1V0
Software Version	Harbor_V1.0.35
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A
EUT ID	CC26050168-001: S03
SN or IMEI Number	CC26050168-001-S03: IMEI: 354659350000134 SN: 117W2026051300013

2.4 Ancillary Equipment

Ancillary Equipment 1	Li-Polymer Battery	
	Brand Name	Artia
	Model No.	BTR177W
	Serial No.	N/A
	Capacitance	1000mAh 3.7V 3.7Wh
	Rated Voltage	3.7 V
	Limited Voltage	4.2 V
	Supplier	Jiangxi Guihang New Energy Technology Co., Ltd.

2.5 Technical Information

Network and Wireless connectivity	4G Network LTE FDD Band 2/4/5/12/13/17/25/26/66/71 Bluetooth (BR+EDR+BLE) WIFI 802.11b, 802.11g, 802.11n(HT20)
-----------------------------------	--

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

Operating Mode	LTE, WIFI, Bluetooth		
Frequency Range	LTE Band 2	TX: 1850~1910 MHz	RX: 1930~1990 MHz
	LTE Band 4	TX: 1710~1755 MHz	RX: 2110~2115 MHz
	LTE Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 12	TX: 699-716 MHz	RX: 729~746 MHz
	LTE Band 13	TX: 777-787 MHz	RX: 746~756 MHz
	LTE Band 17	TX: 704-716 MHz	RX: 734~746 MHz
	LTE Band 25	TX: 1850~1915 MHz	RX: 1930~1995 MHz
	LTE Band 26	TX: 814~849 MHz	RX: 859~894 MHz
	LTE Band 66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2200 MHz
	LTE Band 71	TX: 663 ~ 698 MHz	RX: 617 ~ 652 MHz
	802.11b/g /n(HT20)	2412 ~ 2462 MHz	
	Bluetooth	2402 ~ 2480 MHz	
Antenna Type	WWAN: PIFA Antenna WIFI: PIFA Antenna Bluetooth: PIFA Antenna		
DTM	N/A		
Hotspot Function	Support		
Power Reduction	N/A		
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/IEEE Std. 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 D06 v02r01	SAR EVALUATION PROCEDURES FOR PORTABLE DEVICES WITH WIRELESS ROUTER CAPABILITIES
7	KDB 865664 D01 v01r04	SAR Measurement 100 MHz to 6 GHz
8	KDB 865664 D02 v01r02	RF Exposure Reporting
9	KDB 648474 D04 v01r03	SAR EVALUATION CONSIDERATIONS FOR WIRELESS HANDSETS
10	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

Equipment Class	Frequency Band		Maximum Report SAR		
			1g (W/kg)		
			Head	Body-worn	Hotspot
			(Separation 0mm)	(Separation 10mm)	(Separation 10mm)
PCE	LTE	Band 2	0.59	1.10	1.10
		Band 4	0.42	1.11	1.11
		Band 5	0.28	0.99	0.99
		Band 12	0.24	1.00	1.00
		Band 13	0.33	0.73	0.73
		Band 17	0.22	0.97	0.97
		Band 25	0.59	1.10	1.10
		Band 26	0.13	0.96	0.96
		Band 66	0.45	1.11	1.11
		Band 71	0.29	0.76	0.76
DTS	WIFI	2.4 G	0.28	0.23	0.23
DSS	Bluetooth	DH5	0.09	0.03	0.03
Maximum Report SAR			0.59	1.11	1.11
Limits (W/kg)			1.6	1.6	1.6
Test Verdict			Pass		

3.3.2 Highest Simultaneous Transmission SAR Values

Equipment Class	Maximum Simultaneous Transmission SAR		
	1g (W/kg)		
	Head	Body-worn	Hotspot
	(Separation 0mm)	(Separation 10mm)	(Separation 10mm)
PCE	0.96	1.37	1.37
DTS	0.96	1.37	1.37
DSS	0.96	1.37	1.37
Limit (W/Kg)	1.6	1.6	1.6
Verdict	Pass		

3.4 Test Uncertainty

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

The maximum 1 g SAR for the EUT in this report is 1.11 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

4 MEASUREMENT SYSTEM

4.1 Specific Absorption Rate (SAR) Definition

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

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

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

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

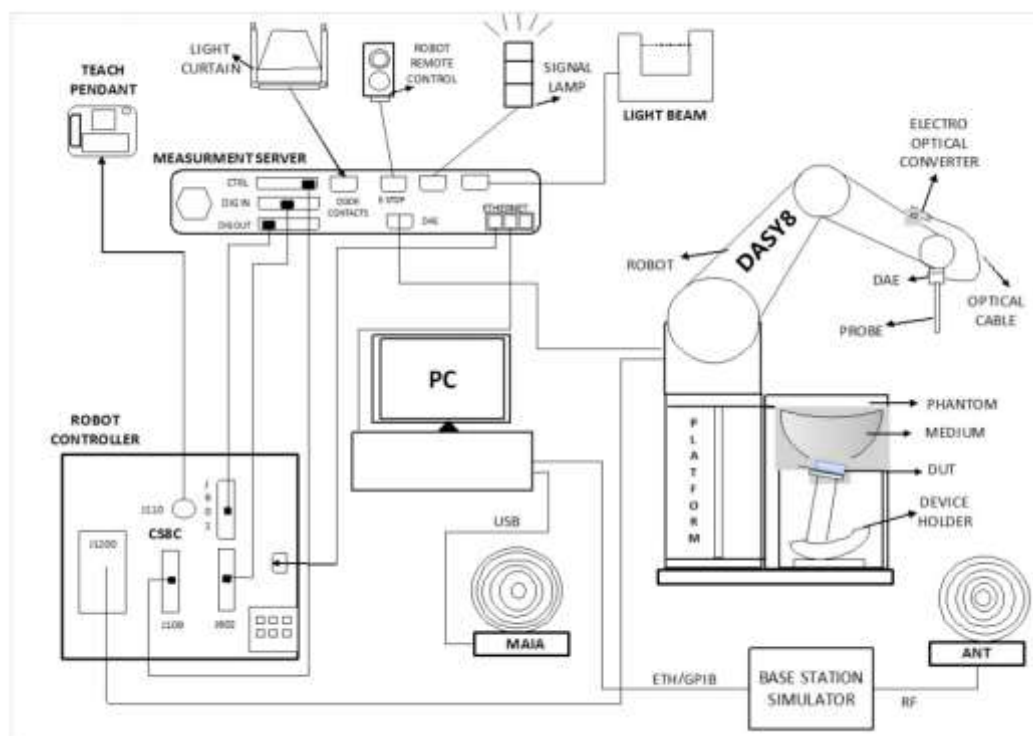
$$\text{SAR} = \frac{\sigma E^2}{\rho}$$

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

1. A standard high precision 6-axis robot (Stäubli RX family) with controller and software. An arm extension for accommodating the data acquisition electronics (DAE).
2. A dosimetric probe, i.e. an isotropic E-field probe optimized and calibrated for usage in tissue simulating liquid. The probe is equipped with an optical surface detector system.
3. A data acquisition electronic (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
4. A unit to operate the optical surface detector which is connected to the EOC.
5. The Electro-Optical Coupler (EOC) performs the conversion from the optical into a digital electric signal of the DAE. The EOC is connected to the DASY5 measurement server.
6. The DASY measurement server, which performs all real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operation.
7. 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., glycolether)
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
- 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 DASY device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of 65° . The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. This device holder is used for standard mobile phones or PDA"s only. If necessary an additional support of polystyrene material is used. Larger DUT"s (e.g. notebooks) cannot be tested using this device holder. Instead a support of bigger polystyrene cubes and thin polystyrene plates is used to position the DUT in all relevant positions to find and measure spots with maximum SAR values. Therefore those devices are normally only tested at the flat part of the SAM.



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

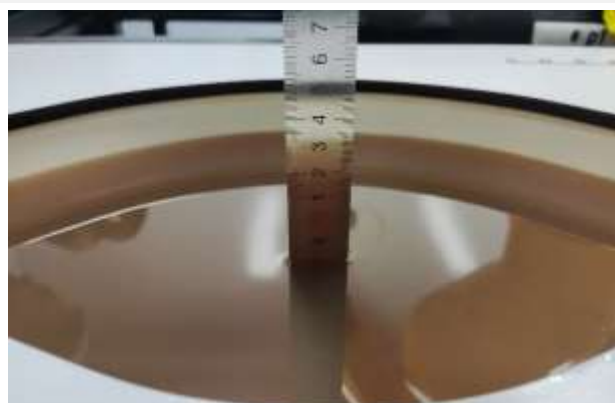
4.2.7 Simulating Liquid

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

Head Liquid Depth



Body Liquid Depth



The following table gives the recipes for tissue simulating liquid.

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

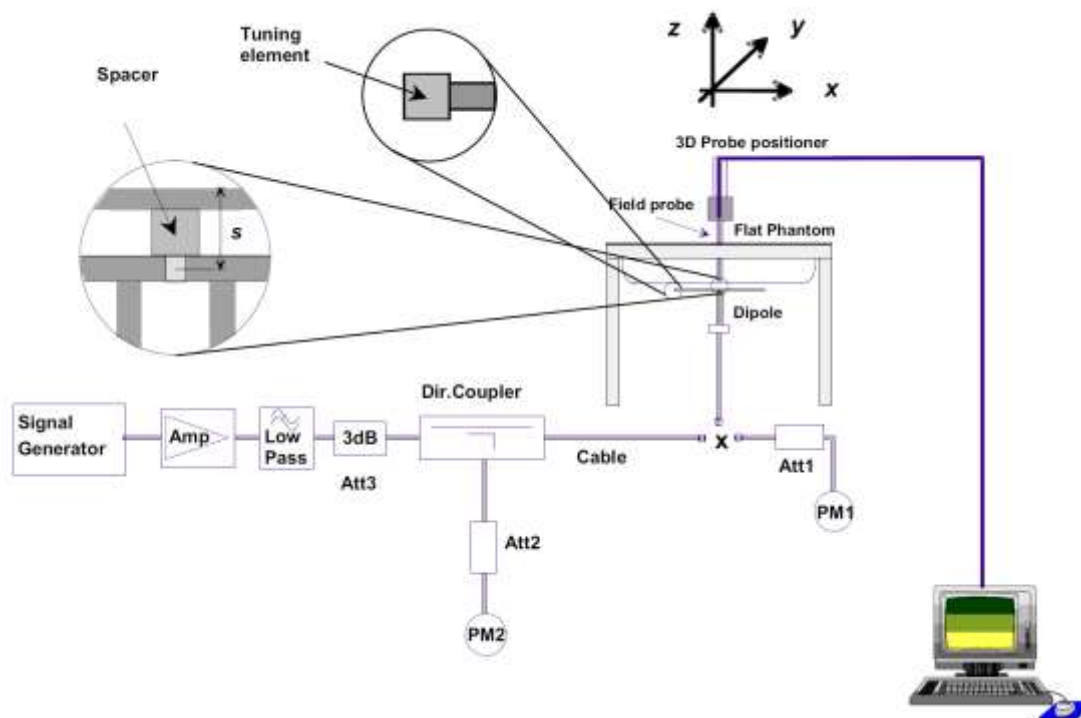
5 SYSTEM VERIFICATION

5.1 Purpose of System Check

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

5.2 System Check Setup

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



6 TEST POSITION CONFIGURATIONS

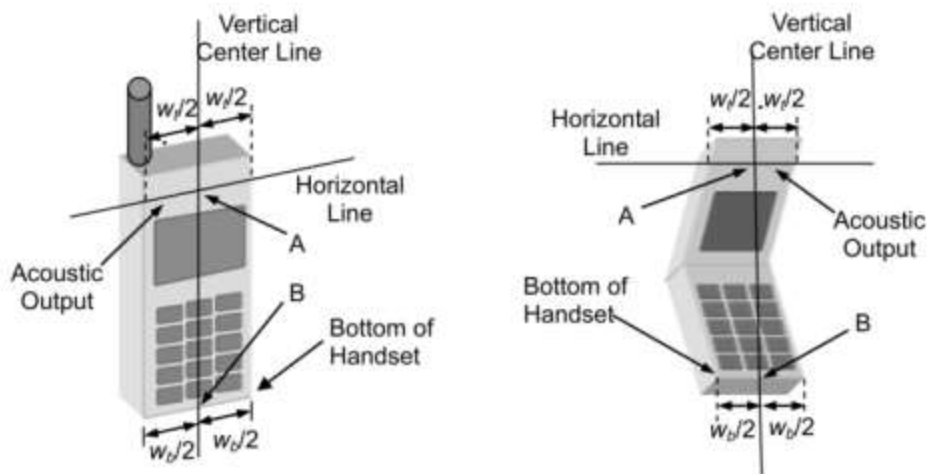
According to KDB 648474 D04 Handset, handsets are tested for SAR compliance in head, body-worn accessory and other use configurations described in the following subsections.

6.1 Head Exposure Conditions

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

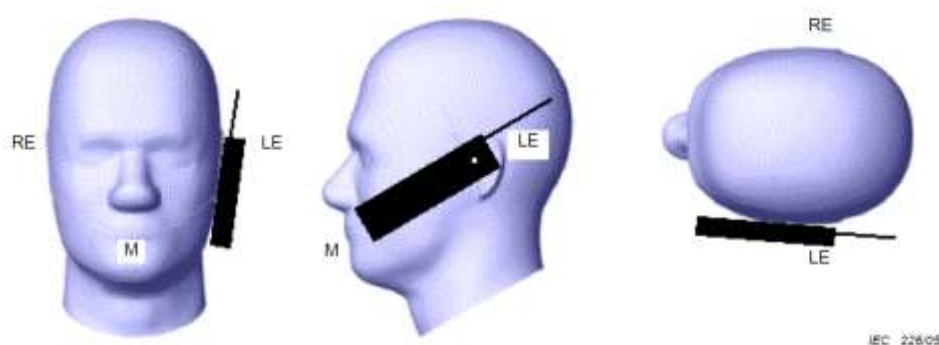
6.1.1 Two Imaginary Lines on the Handset

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



6.1.2 Cheek Position

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



6.1.3 Tilted Position

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

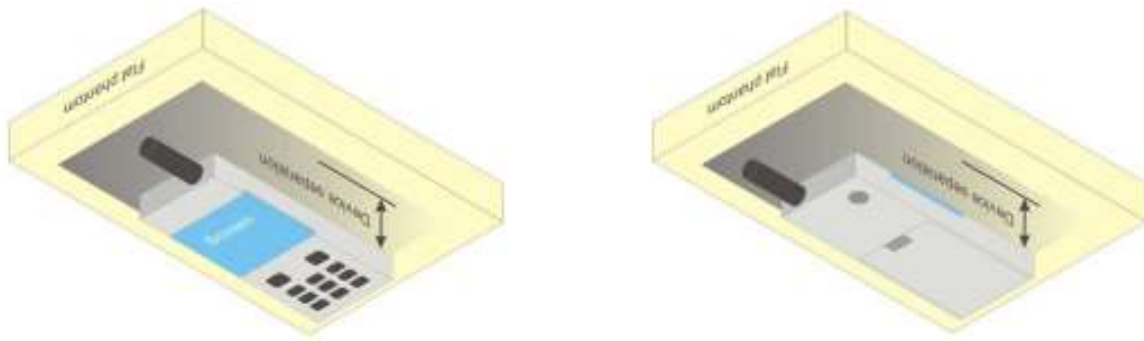


6.2 Body-worn Position Conditions

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

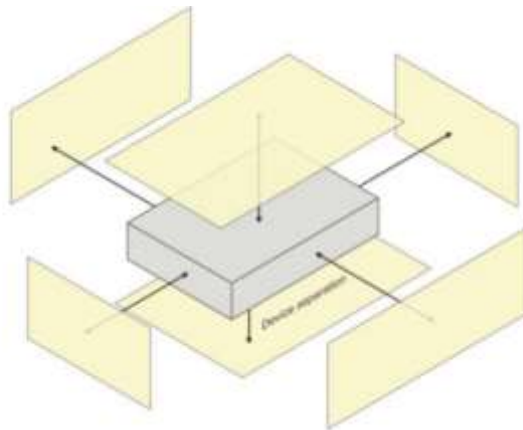
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.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

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



6.3 Hotspot Mode Exposure Position Conditions

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



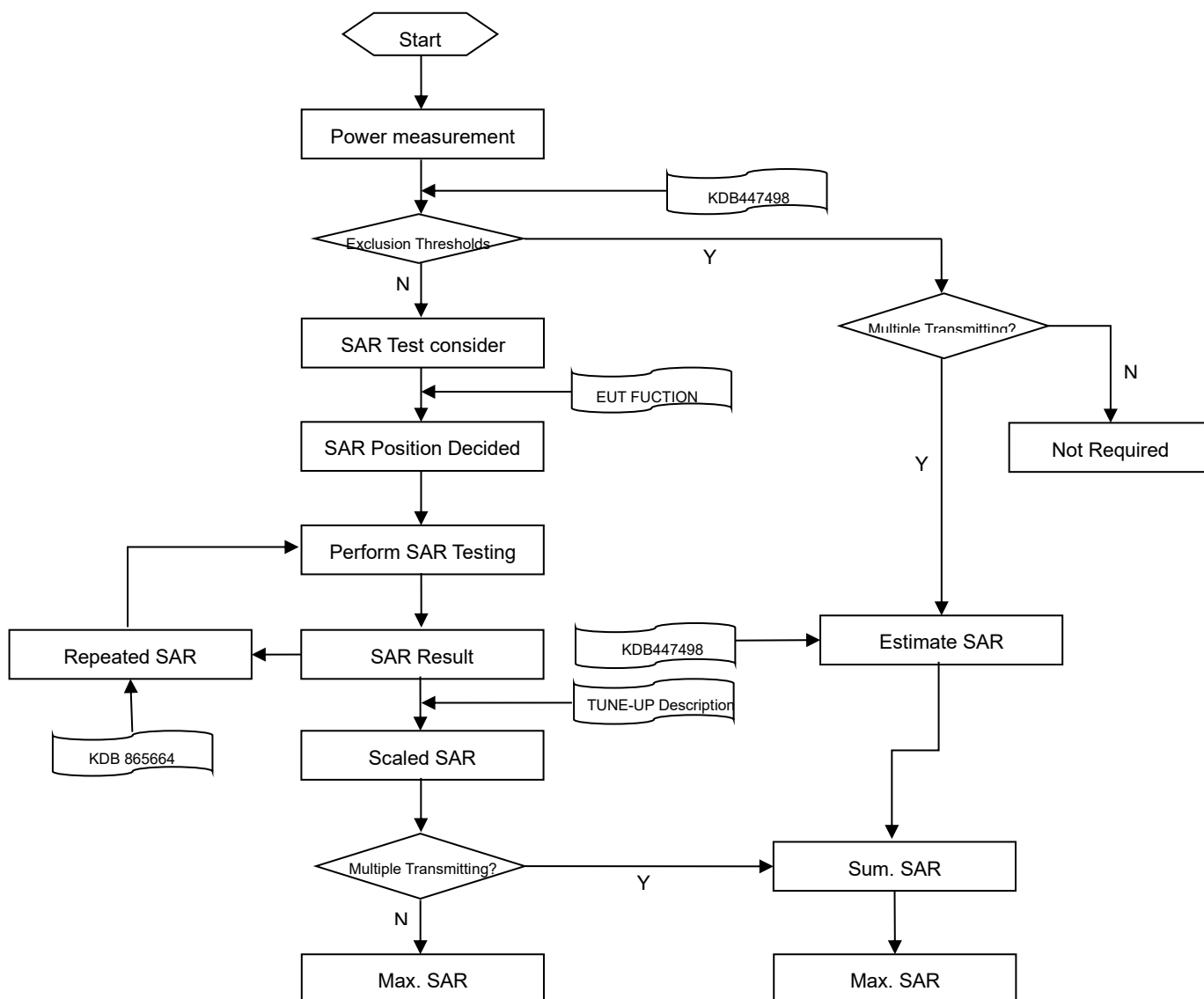
6.4 Product Specific 10g Exposure Consideration

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

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

7 MEASUREMENT PROCEDURE

7.1 Measurement Process Diagram



7.2 SAR Scan General Requirement

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

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

Note:

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.

8 CONDUCTED RF OUTPUT POWER

8.1 LTE

Please refer the document “Ti-CC26050270-AP.pdf”.

8.2 WIFI

Please refer the document “Ti-CC26050270-AP.pdf”.

8.3 Bluetooth

Please refer the document “Ti-CC26050270-AP.pdf”.

9 TEST EXCLUSION CONSIDERATION

For antenna location and support bands please refer the document " Ti-CC26050270-AI EUT internal photo.pdf.

10 TEST RESULT

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

10.1LTE

LTE Band2 (20MHz Bandwidth)															
Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.0	FULL	QPSK	Left Cheek	0	18900	1880	1	0	0.04	0.273	22.65	23.00	1.084	0.296	/
	FULL		Left Tilt	0	18900	1880	1	0	-0.02	0.079	22.65	23.00	1.084	0.086	/
	FULL		Right Cheek	0	18900	1880	1	0	0.08	0.491	22.65	23.00	1.084	0.532	/
	FULL		Right Tilt	0	18900	1880	1	0	0.11	0.107	22.65	23.00	1.084	0.116	/
	FULL		Left Cheek	0	18900	1880	50	0	-0.08	0.219	21.59	22.00	1.099	0.241	/
	FULL		Left Tilt	0	18900	1880	50	0	-0.06	0.065	21.59	22.00	1.099	0.071	/
	FULL		Right Cheek	0	18900	1880	50	0	0.05	0.406	21.59	22.00	1.099	0.446	/
	FULL		Right Tilt	0	18900	1880	50	0	0.10	0.088	21.59	22.00	1.099	0.097	/
	FULL		Right Cheek	0	18700	1860	1	0	0.01	0.425	22.61	23.00	1.094	0.465	/
	FULL		Right Cheek	0	19100	1900	1	0	0.01	0.538	22.57	23.00	1.104	0.594	1#
	FULL		Right Cheek	0	18700	1860	50	0	-0.01	0.351	21.54	22.00	1.112	0.390	/
	FULL		Right Cheek	0	19100	1900	50	0	-0.11	0.448	21.53	22.00	1.114	0.499	/
FULL	Right Cheek	0	18700	1860	100	0	-0.06	0.426	21.54	22.00	1.112	0.474	/		
Body-worn															
Ant.0	FULL	QPSK	Front Side	10	18900	1880	1	0	-0.10	0.350	22.65	23.00	1.084	0.379	/
	FULL		Back Side	10	18900	1880	1	0	0.07	0.891	22.65	23.00	1.084	0.966	/
	FULL		Front Side	10	18900	1880	50	0	0.03	0.293	21.59	22.00	1.099	0.322	/
	FULL		Back Side	10	18900	1880	50	0	-0.04	0.708	21.59	22.00	1.099	0.778	/
	FULL		Back Side	10	18700	1860	1	0	-0.14	0.942	22.61	23.00	1.094	1.031	/
	FULL		Back Side	10	19100	1900	1	0	-0.08	1.000	22.57	23.00	1.104	1.104	2#
	FULL		Back Side	10	18700	1860	50	0	0.10	0.745	21.54	22.00	1.112	0.828	/

	FULL		Back Side	10	19100	1900	50	0	-0.14	0.825	21.53	22.00	1.114	0.919	/
	FULL		Back Side	10	18700	1860	100	0	-0.12	0.736	21.54	22.00	1.112	0.818	/
Hotspot															
Ant.0	FULL	QPSK	Front Side	10	18900	1880	1	0	-0.10	0.350	22.65	23.00	1.084	0.379	/
	FULL		Back Side	10	18900	1880	1	0	0.07	0.891	22.65	23.00	1.084	0.966	/
	FULL		Left Edge	10	18900	1880	1	0	-0.15	0.395	22.65	23.00	1.084	0.428	/
	FULL		Right Edge	10	18900	1880	1	0	0.12	0.134	22.65	23.00	1.084	0.145	/
	FULL		Bottom Edge	10	18900	1880	1	0	-0.11	0.677	22.65	23.00	1.084	0.734	/
	FULL		Front Side	10	18900	1880	50	0	0.03	0.293	21.59	22.00	1.099	0.322	/
	FULL		Back Side	10	18900	1880	50	0	-0.04	0.708	21.59	22.00	1.099	0.778	/
	FULL		Left Edge	10	18900	1880	50	0	0.13	0.336	21.59	22.00	1.099	0.369	/
	FULL		Right Edge	10	18900	1880	50	0	0.04	0.104	21.59	22.00	1.099	0.114	/
	FULL		Bottom Edge	10	18900	1880	50	0	-0.05	0.539	21.59	22.00	1.099	0.592	/
	FULL		Back Side	10	18700	1860	1	0	-0.14	0.942	22.61	23.00	1.094	1.031	/
	FULL		Back Side	10	19100	1900	1	0	-0.08	1.000	22.57	23.00	1.104	1.104	3#
	FULL		Back Side	10	18700	1860	50	0	0.10	0.745	21.54	22.00	1.112	0.828	/
	FULL		Back Side	10	19100	1900	50	0	-0.14	0.825	21.53	22.00	1.114	0.919	/
	FULL		Back Side	10	18700	1860	100	0	-0.12	0.736	21.54	22.00	1.112	0.818	/
LTE Band4 (20MHz Bandwidth)															
Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.0	FULL	QPSK	Left Cheek	0	20175	1732.5	1	0	0.09	0.167	22.71	23.00	1.069	0.179	/
	FULL		Left Tilt	0	20175	1732.5	1	0	0.01	0.080	22.71	23.00	1.069	0.086	/
	FULL		Right Cheek	0	20175	1732.5	1	0	0.07	0.390	22.71	23.00	1.069	0.417	4#
	FULL		Right Tilt	0	20175	1732.5	1	0	-0.14	0.092	22.71	23.00	1.069	0.098	/
	FULL		Left Cheek	0	20175	1732.5	50	0	-0.13	0.132	21.61	22.00	1.094	0.144	/
	FULL		Left Tilt	0	20175	1732.5	50	0	0.13	0.068	21.61	22.00	1.094	0.074	/
	FULL		Right Cheek	0	20175	1732.5	50	0	-0.11	0.320	21.61	22.00	1.094	0.350	/
	FULL		Right Tilt	0	20175	1732.5	50	0	-0.10	0.079	21.61	22.00	1.094	0.086	/

	FULL		Right Cheek	0	20050	1720	1	0	0.02	0.352	22.63	23.00	1.089	0.383	/
	FULL		Right Cheek	0	20300	1745	1	0	-0.02	0.368	22.63	23.00	1.089	0.401	/
	FULL		Right Cheek	0	20050	1720	50	0	-0.03	0.291	21.58	22.00	1.102	0.321	/
	FULL		Right Cheek	0	20300	1745	50	0	0.14	0.288	21.60	22.00	1.096	0.316	/
	FULL		Right Cheek	0	20175	1732.5	100	0	-0.05	0.296	21.60	22.00	1.096	0.324	/

Body-worn

Ant.0	FULL	QPSK	Front Side	10	20175	1732.5	1	0	0.13	0.244	22.71	23.00	1.069	0.261	/
	FULL		Back Side	10	20175	1732.5	1	0	-0.09	1.010	22.71	23.00	1.069	1.080	/
	FULL		Front Side	10	20175	1732.5	50	0	0.02	0.198	21.61	22.00	1.094	0.217	/
	FULL		Back Side	10	20175	1732.5	50	0	-0.14	0.749	21.61	22.00	1.094	0.819	/
	FULL		Back Side	10	20050	1720	1	0	-0.09	1.020	22.63	23.00	1.089	1.111	5#
	FULL		Back Side	10	20300	1745	1	0	0.08	0.937	22.63	23.00	1.089	1.020	/
	FULL		Back Side	10	20050	1720	50	0	0.09	0.790	21.58	22.00	1.102	0.871	/
	FULL		Back Side	10	20300	1745	50	0	-0.04	0.743	21.60	22.00	1.096	0.814	/
	FULL		Back Side	10	20175	1732.5	100	0	-0.10	0.756	21.60	22.00	1.096	0.829	/

Hotspot

Ant.0	FULL	QPSK	Front Side	10	20175	1732.5	1	0	0.13	0.244	22.71	23.00	1.069	0.261	/
	FULL		Back Side	10	20175	1732.5	1	0	-0.09	1.010	22.71	23.00	1.069	1.080	/
	FULL		Left Edge	10	20175	1732.5	1	0	0.05	0.355	22.71	23.00	1.069	0.379	/
	FULL		Right Edge	10	20175	1732.5	1	0	0.04	0.070	22.71	23.00	1.069	0.075	/
	FULL		Bottom Edge	10	20175	1732.5	1	0	-0.01	0.684	22.71	23.00	1.069	0.731	/
	FULL		Front Side	10	20175	1732.5	50	0	0.02	0.198	21.61	22.00	1.094	0.217	/
	FULL		Back Side	10	20175	1732.5	50	0	-0.14	0.749	21.61	22.00	1.094	0.819	/
	FULL		Left Edge	10	20175	1732.5	50	0	-0.14	0.234	21.61	22.00	1.094	0.256	/
	FULL		Right Edge	10	20175	1732.5	50	0	0.14	0.057	21.61	22.00	1.094	0.062	/
	FULL		Bottom Edge	10	20175	1732.5	50	0	-0.13	0.521	21.61	22.00	1.094	0.570	/
	FULL		Back Side	10	20050	1720	1	0	-0.09	1.020	22.63	23.00	1.089	1.111	6#
	FULL		Back Side	10	20300	1745	1	0	0.08	0.937	22.63	23.00	1.089	1.020	/
	FULL		Back Side	10	20050	1720	50	0	0.09	0.790	21.58	22.00	1.102	0.871	/
	FULL		Back Side	10	20300	1745	50	0	-0.04	0.743	21.60	22.00	1.096	0.814	/

	FULL		Back Side	10	20175	1732.5	100	0	-0.10	0.756	21.60	22.00	1.096	0.829	/
LTE Bands5 (10MHz Bandwidth)															
Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune- power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.0	FULL	QPSK	Left Cheek	0	20525	836.5	1	0	0.03	0.166	23.49	23.50	1.002	0.166	/
	FULL		Left Tilt	0	20525	836.5	1	0	0.13	0.067	23.49	23.50	1.002	0.067	/
	FULL		Right Cheek	0	20525	836.5	1	0	0.09	0.192	23.49	23.50	1.002	0.192	/
	FULL		Right Tilt	0	20525	836.5	1	0	0.12	0.061	23.49	23.50	1.002	0.061	/
	FULL		Left Cheek	0	20525	836.5	25	12	0.09	0.152	22.29	22.50	1.050	0.160	/
	FULL		Left Tilt	0	20525	836.5	25	12	0.00	0.059	22.29	22.50	1.050	0.062	/
	FULL		Right Cheek	0	20525	836.5	25	12	0.13	0.159	22.29	22.50	1.050	0.167	/
	FULL		Right Tilt	0	20525	836.5	25	12	-0.02	0.051	22.29	22.50	1.050	0.054	/
	FULL		Right Cheek	0	20450	829	1	0	-0.09	0.184	23.48	23.50	1.005	0.185	/
	FULL		Right Cheek	0	20600	844	1	0	0.14	0.273	23.39	23.50	1.026	0.280	7#
	FULL		Right Cheek	0	20450	829	25	12	-0.12	0.157	22.27	22.50	1.054	0.165	/
	FULL		Right Cheek	0	20600	844	25	12	-0.09	0.232	22.28	22.50	1.052	0.244	/
	FULL		Right Cheek	0	20600	844	50	0	-0.01	0.156	22.39	22.50	1.026	0.160	/
Body-worn															
Ant.0	FULL	QPSK	Front Side	10	20525	836.5	1	0	-0.03	0.386	23.49	23.50	1.002	0.387	/
	FULL		Back Side	10	20525	836.5	1	0	-0.11	0.854	23.49	23.50	1.002	0.856	/
	FULL		Front Side	10	20525	836.5	25	12	-0.08	0.343	22.29	22.50	1.050	0.360	/
	FULL		Back Side	10	20525	836.5	25	12	-0.05	0.729	22.29	22.50	1.050	0.765	/
	FULL		Back Side	10	20450	829	1	0	0.15	0.830	23.48	23.50	1.005	0.834	/
	FULL		Back Side	10	20600	844	1	0	0.06	0.965	23.39	23.50	1.026	0.990	8#
	FULL		Back Side	10	20450	829	25	12	0.06	0.668	22.27	22.50	1.054	0.704	/
	FULL		Back Side	10	20600	844	25	12	0.07	0.784	22.28	22.50	1.052	0.825	/
	FULL		Back Side	10	20600	844	50	0	-0.04	0.673	22.39	22.50	1.026	0.690	/
Hotspot															

Ant.0	FULL	QPSK	Front Side	10	20525	836.5	1	0	-0.03	0.386	23.49	23.50	1.002	0.387	/
	FULL		Back Side	10	20525	836.5	1	0	-0.11	0.854	23.49	23.50	1.002	0.856	/
	FULL		Left Edge	10	20525	836.5	1	0	0.14	0.433	23.49	23.50	1.002	0.434	/
	FULL		Right Edge	10	20525	836.5	1	0	-0.15	0.394	23.49	23.50	1.002	0.395	/
	FULL		Bottom Edge	10	20525	836.5	1	0	-0.09	0.044	23.49	23.50	1.002	0.044	/
	FULL		Front Side	10	20525	836.5	25	12	-0.08	0.343	22.29	22.50	1.050	0.360	/
	FULL		Back Side	10	20525	836.5	25	12	-0.05	0.729	22.29	22.50	1.050	0.765	/
	FULL		Left Edge	10	20525	836.5	25	12	-0.04	0.383	22.29	22.50	1.050	0.402	/
	FULL		Right Edge	10	20525	836.5	25	12	-0.03	0.334	22.29	22.50	1.050	0.351	/
	FULL		Bottom Edge	10	20525	836.5	25	12	0.02	0.025	22.29	22.50	1.050	0.026	/
	FULL		Back Side	10	20450	829	1	0	0.15	0.830	23.48	23.50	1.005	0.834	/
	FULL		Back Side	10	20600	844	1	0	0.06	0.965	23.39	23.50	1.026	0.990	9#
	FULL		Back Side	10	20450	829	25	12	0.06	0.668	22.27	22.50	1.054	0.704	/
	FULL		Back Side	10	20600	844	25	12	0.07	0.784	22.28	22.50	1.052	0.825	/
	FULL		Back Side	10	20600	844	50	0	-0.04	0.673	22.39	22.50	1.026	0.690	/

LTE Band12 (10MHz Bandwidth)

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

Head

Ant.0	FULL	QPSK	Left Cheek	0	23095	707.5	1	49	0.15	0.184	23.46	23.50	1.009	0.186	/
	FULL		Left Tilt	0	23095	707.5	1	49	-0.07	0.069	23.46	23.50	1.009	0.070	/
	FULL		Right Cheek	0	23095	707.5	1	49	-0.12	0.233	23.46	23.50	1.009	0.235	/
	FULL		Right Tilt	0	23095	707.5	1	49	0.05	0.087	23.46	23.50	1.009	0.088	/
	FULL		Left Cheek	0	23095	707.5	25	25	0.03	0.058	22.41	22.50	1.021	0.059	/
	FULL		Left Tilt	0	23095	707.5	25	25	-0.12	0.058	22.41	22.50	1.021	0.059	/
	FULL		Right Cheek	0	23095	707.5	25	25	-0.07	0.198	22.41	22.50	1.021	0.202	/
	FULL		Right Tilt	0	23095	707.5	25	25	0.03	0.077	22.41	22.50	1.021	0.079	/
	FULL		Right Cheek	0	23060	704	1	49	0.08	0.214	23.45	23.50	1.012	0.217	/
	FULL		Right Cheek	0	23130	711	1	49	0.02	0.239	23.41	23.50	1.021	0.244	10#

	FULL		Right Cheek	0	23060	704	25	25	-0.13	0.183	22.40	22.50	1.023	0.187	/
	FULL		Right Cheek	0	23130	711	25	25	0.10	0.198	22.40	22.50	1.023	0.203	/
	FULL		Right Cheek	0	23095	707.5	50	0	-0.11	0.202	22.45	22.50	1.012	0.204	/
Body-worn															
Ant.0	FULL	QPSK	Front Side	10	23095	707.5	1	49	-0.13	0.423	23.46	23.50	1.009	0.427	/
	FULL		Back Side	10	23095	707.5	1	49	0.08	0.944	23.46	23.50	1.009	0.952	/
	FULL		Front Side	10	23095	707.5	25	25	0.14	0.344	22.41	22.50	1.021	0.351	/
	FULL		Back Side	10	23095	707.5	25	25	-0.03	0.795	22.41	22.50	1.021	0.812	/
	FULL		Back Side	10	23060	704	1	49	-0.04	0.987	23.45	23.50	1.012	0.999	11#
	FULL		Back Side	10	23130	711	1	49	-0.15	0.977	23.41	23.50	1.021	0.998	/
	FULL		Back Side	10	23060	704	25	25	0.04	0.809	22.40	22.50	1.023	0.828	/
	FULL		Back Side	10	23130	711	25	25	0.13	0.783	22.40	22.50	1.023	0.801	/
	FULL		Back Side	10	23095	707.5	50	0	0.09	0.769	22.45	22.50	1.012	0.778	/
Hotspot															
Ant.0	FULL	QPSK	Front Side	10	23095	707.5	1	49	-0.13	0.423	23.46	23.50	1.009	0.427	/
	FULL		Back Side	10	23095	707.5	1	49	0.08	0.944	23.46	23.50	1.009	0.952	/
	FULL		Left Edge	10	23095	707.5	1	49	0.01	0.388	23.46	23.50	1.009	0.391	/
	FULL		Right Edge	10	23095	707.5	1	49	0.11	0.414	23.46	23.50	1.009	0.418	/
	FULL		Bottom Edge	10	23095	707.5	1	49	-0.14	0.094	23.46	23.50	1.009	0.095	/
	FULL		Front Side	10	23095	707.5	25	25	0.14	0.344	22.41	22.50	1.021	0.351	/
	FULL		Back Side	10	23095	707.5	25	25	-0.03	0.795	22.41	22.50	1.021	0.812	/
	FULL		Left Edge	10	23095	707.5	25	25	0.15	0.331	22.41	22.50	1.021	0.338	/
	FULL		Right Edge	10	23095	707.5	25	25	-0.11	0.345	22.41	22.50	1.021	0.352	/
	FULL		Bottom Edge	10	23095	707.5	25	25	-0.08	0.085	22.41	22.50	1.021	0.087	/
	FULL		Back Side	10	23060	704	1	49	-0.04	0.987	23.45	23.50	1.012	0.999	12#
	FULL		Back Side	10	23130	711	1	49	-0.15	0.977	23.41	23.50	1.021	0.998	/
	FULL		Back Side	10	23060	704	25	25	0.04	0.809	22.40	22.50	1.023	0.828	/
	FULL		Back Side	10	23130	711	25	25	0.13	0.783	22.40	22.50	1.023	0.801	/
	FULL		Back Side	10	23095	707.5	50	0	0.09	0.769	22.45	22.50	1.012	0.778	/
LTE Band13 (10MHz Bandwidth)															
Antenna		Mode	Position		Ch.		RB Num.	RB Start							

	Power Reduction			Dist. (mm)		Freq. (MHz)			Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune- power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.0	FULL	QPSK	Left Cheek	0	23230	782	1	49	-0.13	0.265	22.95	23.00	1.012	0.268	/
	FULL		Left Tilt	0	23230	782	1	49	0.01	0.114	22.95	23.00	1.012	0.115	/
	FULL		Right Cheek	0	23230	782	1	49	-0.08	0.330	22.95	23.00	1.012	0.334	13#
	FULL		Right Tilt	0	23230	782	1	49	0.06	0.114	22.95	23.00	1.012	0.115	/
	FULL		Left Cheek	0	23230	782	25	25	0.02	0.212	21.92	22.00	1.019	0.216	/
	FULL		Left Tilt	0	23230	782	25	25	0.13	0.095	21.92	22.00	1.019	0.097	/
	FULL		Right Cheek	0	23230	782	25	25	0.01	0.268	21.92	22.00	1.019	0.273	/
	FULL		Right Tilt	0	23230	782	25	25	0.03	0.093	21.92	22.00	1.019	0.095	/
	FULL		Right Cheek	0	23230	782	50	0	0.08	0.271	21.83	22.00	1.040	0.282	/
Body-worn															
Ant.0	FULL	QPSK	Front Side	10	23230	782	1	49	-0.09	0.511	22.95	23.00	1.012	0.517	/
	FULL		Back Side	10	23230	782	1	49	0.07	0.719	22.95	23.00	1.012	0.728	14#
	FULL		Front Side	10	23230	782	25	25	-0.03	0.428	21.92	22.00	1.019	0.436	/
	FULL		Back Side	10	23230	782	25	25	-0.13	0.590	21.92	22.00	1.019	0.601	/
	FULL		Back Side	10	23230	782	50	0	0.15	0.415	21.83	22.00	1.040	0.432	/
Hotspot															
Ant.0	FULL	QPSK	Front Side	10	23230	782	1	49	-0.09	0.511	22.95	23.00	1.012	0.517	/
	FULL		Back Side	10	23230	782	1	49	0.07	0.719	22.95	23.00	1.012	0.728	15#
	FULL		Left Edge	10	23230	782	1	49	0.06	0.461	22.95	23.00	1.012	0.467	/
	FULL		Right Edge	10	23230	782	1	49	-0.11	0.405	22.95	23.00	1.012	0.410	/
	FULL		Bottom Edge	10	23230	782	1	49	-0.11	0.079	22.95	23.00	1.012	0.080	/
	FULL		Front Side	10	23230	782	25	25	-0.03	0.428	21.92	22.00	1.019	0.436	/
	FULL		Back Side	10	23230	782	25	25	-0.13	0.590	21.92	22.00	1.019	0.601	/
	FULL		Left Edge	10	23230	782	25	25	0.02	0.374	21.92	22.00	1.019	0.381	/
	FULL		Right Edge	10	23230	782	25	25	-0.08	0.332	21.92	22.00	1.019	0.338	/

	FULL		Bottom Edge	10	23230	782	25	25	-0.14	0.079	21.92	22.00	1.019	0.081	/
	FULL		Back Side	10	23230	782	50	0	0.15	0.415	21.83	22.00	1.040	0.432	/
LTE Band17 (10MHz Bandwidth)															
Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune- power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.0	FULL	QPSK	Left Cheek	0	23790	710	1	0	0.04	0.159	23.48	23.50	1.005	0.160	/
	FULL		Left Tilt	0	23790	710	1	0	0.14	0.070	23.48	23.50	1.005	0.070	/
	FULL		Right Cheek	0	23790	710	1	0	-0.04	0.213	23.48	23.50	1.005	0.214	/
	FULL		Right Tilt	0	23790	710	1	0	0.12	0.072	23.48	23.50	1.005	0.072	/
	FULL		Left Cheek	0	23790	710	25	0	-0.14	0.132	22.44	22.50	1.014	0.134	/
	FULL		Left Tilt	0	23790	710	25	0	0.14	0.058	22.44	22.50	1.014	0.059	/
	FULL		Right Cheek	0	23790	710	25	0	-0.13	0.177	22.44	22.50	1.014	0.179	/
	FULL		Right Tilt	0	23790	710	25	0	0.09	0.069	22.44	22.50	1.014	0.070	/
	FULL		Right Cheek	0	23780	709	1	0	-0.12	0.211	23.47	23.50	1.007	0.212	/
	FULL		Right Cheek	0	23800	711	1	0	0.00	0.214	23.47	23.50	1.007	0.215	16#
	FULL		Right Cheek	0	23780	709	25	0	0.12	0.179	22.32	22.50	1.042	0.187	/
	FULL		Right Cheek	0	23800	711	25	0	0.10	0.177	22.44	22.50	1.014	0.179	/
	FULL		Right Cheek	0	23800	711	50	0	-0.04	0.184	22.41	22.50	1.021	0.188	/
Body-worn															
Ant.0	FULL	QPSK	Front Side	10	23790	710	1	0	0.01	0.442	23.48	23.50	1.005	0.444	/
	FULL		Back Side	10	23790	710	1	0	-0.06	0.961	23.48	23.50	1.005	0.966	17#
	FULL		Front Side	10	23790	710	25	0	0.11	0.377	22.44	22.50	1.014	0.382	/
	FULL		Back Side	10	23790	710	25	0	-0.06	0.804	22.44	22.50	1.014	0.815	/
	FULL		Back Side	10	23780	709	1	0	-0.06	0.957	23.47	23.50	1.007	0.964	/
	FULL		Back Side	10	23800	711	1	0	0.10	0.952	23.47	23.50	1.007	0.959	/
	FULL		Back Side	10	23780	709	25	0	-0.05	0.775	22.32	22.50	1.042	0.808	/
	FULL		Back Side	10	23800	711	25	0	-0.07	0.790	22.44	22.50	1.014	0.801	/
	FULL		Back Side	10	23800	711	50	0	0.05	0.763	22.41	22.50	1.021	0.779	/

Hotspot															
Ant.0	FULL	QPSK	Front Side	10	23790	710	1	0	0.01	0.442	23.48	23.50	1.005	0.444	/
	FULL		Back Side	10	23790	710	1	0	-0.06	0.961	23.48	23.50	1.005	0.966	18#
	FULL		Left Edge	10	23790	710	1	0	-0.04	0.398	23.48	23.50	1.005	0.400	/
	FULL		Right Edge	10	23790	710	1	0	-0.14	0.421	23.48	23.50	1.005	0.423	/
	FULL		Bottom Edge	10	23790	710	1	0	-0.11	0.100	23.48	23.50	1.005	0.101	/
	FULL		Front Side	10	23790	710	25	0	0.11	0.377	22.44	22.50	1.014	0.382	/
	FULL		Back Side	10	23790	710	25	0	-0.06	0.804	22.44	22.50	1.014	0.815	/
	FULL		Left Edge	10	23790	710	25	0	-0.02	0.330	22.44	22.50	1.014	0.335	/
	FULL		Right Edge	10	23790	710	25	0	0.01	0.351	22.44	22.50	1.014	0.356	/
	FULL		Bottom Edge	10	23790	710	25	0	0.06	0.086	22.44	22.50	1.014	0.087	/
	FULL		Back Side	10	23780	709	1	0	-0.06	0.957	23.47	23.50	1.007	0.964	/
	FULL		Back Side	10	23800	711	1	0	0.10	0.952	23.47	23.50	1.007	0.959	/
	FULL		Back Side	10	23780	709	25	0	-0.05	0.775	22.32	22.50	1.042	0.808	/
	FULL		Back Side	10	23800	711	25	0	-0.07	0.790	22.44	22.50	1.014	0.801	/
	FULL		Back Side	10	23800	711	50	0	0.05	0.763	22.41	22.50	1.021	0.779	/
LTE Band25 (20MHz Bandwidth)															
Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.0	DSI5	QPSK	Left Cheek	0	26365	1882.5	1	0	-0.05	0.336	22.79	23.00	1.050	0.353	/
	DSI5		Left Tilt	0	26365	1882.5	1	0	0.01	0.101	22.79	23.00	1.050	0.106	/
	DSI5		Right Cheek	0	26365	1882.5	1	0	0.03	0.497	22.79	23.00	1.050	0.522	/
	DSI5		Right Tilt	0	26365	1882.5	1	0	-0.01	0.141	22.79	23.00	1.050	0.148	/
	DSI5		Left Cheek	0	26365	1882.5	50	0	-0.12	0.277	21.64	22.00	1.086	0.301	/
	DSI5		Left Tilt	0	26365	1882.5	50	0	-0.12	0.080	21.64	22.00	1.086	0.087	/
	DSI5		Right Cheek	0	26365	1882.5	50	0	-0.03	0.417	21.64	22.00	1.086	0.453	/
	DSI5		Right Tilt	0	26365	1882.5	50	0	0.03	0.110	21.64	22.00	1.086	0.119	/
	DSI5		Right Cheek	0	26140	1860	1	0	-0.12	0.412	22.78	23.00	1.052	0.433	/

	DSI5		Right Cheek	0	26590	1905	1	0	0.17	0.545	22.67	23.00	1.079	0.588	19#
	DSI5		Right Cheek	0	26140	1860	50	0	0.04	0.354	21.63	22.00	1.089	0.386	/
	DSI5		Right Cheek	0	26590	1905	50	0	-0.12	0.455	21.55	22.00	1.109	0.505	/
	DSI5		Right Cheek	0	26365	1882.5	100	0	-0.11	0.433	21.60	22.00	1.096	0.475	/

Body-worn

Ant.0	FULL	QPSK	Front Side	10	26365	1882.5	1	0	-0.04	0.418	22.79	23.00	1.050	0.439	/
	FULL		Back Side	10	26365	1882.5	1	0	-0.08	1.050	22.79	23.00	1.050	1.103	20#
	FULL		Front Side	10	26365	1882.5	50	0	0.02	0.334	21.64	22.00	1.086	0.363	/
	FULL		Back Side	10	26365	1882.5	50	0	0.06	0.820	21.64	22.00	1.086	0.891	/
	FULL		Back Side	10	26365	1882.5	1	0	0.07	0.927	22.78	23.00	1.052	0.975	/
	FULL		Back Side	10	26365	1882.5	1	0	-0.08	1.010	22.67	23.00	1.079	1.090	/
	FULL		Back Side	10	26140	1860	50	0	-0.07	0.748	21.63	22.00	1.089	0.815	/
	FULL		Back Side	10	26590	1905	50	0	-0.04	0.820	21.55	22.00	1.109	0.909	/
	FULL		Back Side	10	26365	1882.5	100	0	-0.11	0.722	21.60	22.00	1.096	0.791	/

Hotspot

Ant.0	FULL	QPSK	Front Side	10	26365	1882.5	1	0	-0.04	0.418	22.79	23.00	1.050	0.439	/
	FULL		Back Side	10	26365	1882.5	1	0	-0.08	1.050	22.79	23.00	1.050	1.103	21#
	FULL		Left Edge	10	26365	1882.5	1	0	0.01	0.448	22.79	23.00	1.050	0.470	/
	FULL		Right Edge	10	26365	1882.5	1	0	0.06	0.145	22.79	23.00	1.050	0.152	/
	FULL		Bottom Edge	10	26365	1882.5	1	0	-0.09	0.708	22.79	23.00	1.050	0.743	/
	FULL		Front Side	10	26365	1882.5	50	0	0.02	0.334	21.64	22.00	1.086	0.363	/
	FULL		Back Side	10	26365	1882.5	50	0	0.06	0.820	21.64	22.00	1.086	0.891	/
	FULL		Left Edge	10	26365	1882.5	50	0	-0.03	0.379	21.64	22.00	1.086	0.412	/
	FULL		Right Edge	10	26365	1882.5	50	0	-0.14	0.117	21.64	22.00	1.086	0.127	/
	FULL		Bottom Edge	10	26365	1882.5	50	0	-0.15	0.584	21.64	22.00	1.086	0.634	/
	FULL		Back Side	10	26140	1860	1	0	0.07	0.927	22.78	23.00	1.052	0.975	/
	FULL		Back Side	10	26590	1905	1	0	-0.08	1.010	22.67	23.00	1.079	1.090	/
	FULL		Back Side	10	26140	1860	50	0	-0.07	0.748	21.63	22.00	1.089	0.815	/
	FULL		Back Side	10	26590	1905	50	0	-0.04	0.820	21.55	22.00	1.109	0.909	/
	FULL		Back Side	10	26365	1882.5	100	0	-0.11	0.722	21.60	22.00	1.096	0.791	/

LTE Band26 (15MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune- power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.0	FULL	QPSK	Left Cheek	0	26865	831.5	1	0	0.15	0.104	23.49	23.50	1.002	0.104	/
	FULL		Left Tilt	0	26865	831.5	1	0	0.07	0.035	23.49	23.50	1.002	0.035	/
	FULL		Right Cheek	0	26865	831.5	1	0	0.02	0.100	23.49	23.50	1.002	0.100	/
	FULL		Right Tilt	0	26865	831.5	1	0	-0.10	0.035	23.49	23.50	1.002	0.035	/
	FULL		Left Cheek	0	26865	831.5	36	0	0.04	0.090	22.44	22.50	1.014	0.091	/
	FULL		Left Tilt	0	26865	831.5	36	0	0.05	0.016	22.44	22.50	1.014	0.016	/
	FULL		Right Cheek	0	26865	831.5	36	0	0.06	0.088	22.44	22.50	1.014	0.089	/
	FULL		Right Tilt	0	26865	831.5	36	0	0.10	0.014	22.44	22.50	1.014	0.014	/
	FULL		Right Cheek	0	26765	821.5	1	0	-0.12	0.097	23.29	23.50	1.050	0.102	/
	FULL		Right Cheek	0	26965	841.5	1	0	-0.18	0.127	23.45	23.50	1.012	0.129	22#
	FULL		Right Cheek	0	26765	821.5	36	0	-0.14	0.077	22.21	22.50	1.069	0.082	/
	FULL		Right Cheek	0	26965	841.5	36	0	0.04	0.110	22.44	22.50	1.014	0.112	/
	FULL		Right Cheek	0	26865	831.5	75	0	-0.15	0.089	22.39	22.50	1.026	0.091	/
Body-worn															
Ant.0	FULL	QPSK	Front Side	10	26865	831.5	1	0	-0.09	0.361	23.49	23.50	1.002	0.362	/
	FULL		Back Side	10	26865	831.5	1	0	-0.03	0.867	23.49	23.50	1.002	0.869	/
	FULL		Front Side	10	26865	831.5	36	0	-0.04	0.316	22.44	22.50	1.014	0.320	/
	FULL		Back Side	10	26865	831.5	36	0	-0.04	0.717	22.44	22.50	1.014	0.727	/
	FULL		Back Side	10	26765	821.5	1	0	-0.06	0.872	23.29	23.50	1.050	0.916	/
	FULL		Back Side	10	26965	841.5	1	0	0.02	0.944	23.45	23.50	1.012	0.955	23#
	FULL		Back Side	10	26765	821.5	36	0	-0.08	0.731	22.21	22.50	1.069	0.781	/
	FULL		Back Side	10	26965	841.5	36	0	-0.08	0.793	22.44	22.50	1.014	0.804	/
	FULL		Back Side	10	26865	831.5	75	0	0.03	0.718	22.39	22.50	1.026	0.737	/
Hotspot															
Ant.0	FULL	QPSK	Front Side	10	26865	831.5	1	0	-0.09	0.361	23.49	23.50	1.002	0.362	/
	FULL		Back Side	10	26865	831.5	1	0	-0.03	0.867	23.49	23.50	1.002	0.869	/

FULL	Left Edge	10	26865	831.5	1	0	0.12	0.355	23.49	23.50	1.002	0.356	/
	Right Edge	10	26865	831.5	1	0	0.03	0.339	23.49	23.50	1.002	0.340	/
	Bottom Edge	10	26865	831.5	1	0	-0.11	0.046	23.49	23.50	1.002	0.046	/
	Front Side	10	26865	831.5	36	0	-0.04	0.316	22.44	22.50	1.014	0.320	/
	Back Side	10	26865	831.5	36	0	-0.04	0.717	22.44	22.50	1.014	0.727	/
	Left Edge	10	26865	831.5	36	0	0.14	0.310	22.44	22.50	1.014	0.314	/
	Right Edge	10	26865	831.5	36	0	-0.08	0.295	22.44	22.50	1.014	0.299	/
	Bottom Edge	10	26865	831.5	36	0	0.11	0.029	22.44	22.50	1.014	0.029	/
	Back Side	10	26765	821.5	1	0	-0.06	0.872	23.29	23.50	1.050	0.916	/
	Back Side	10	26965	841.5	1	0	0.02	0.944	23.45	23.50	1.012	0.955	24#
	Back Side	10	26765	821.5	36	0	-0.08	0.731	22.21	22.50	1.069	0.781	/
	Back Side	10	26965	841.5	36	0	-0.08	0.793	22.44	22.50	1.014	0.804	/
	Back Side	10	26865	831.5	75	0	0.03	0.718	22.39	22.50	1.026	0.737	/

LTE Band66 (20MHz Bandwidth)

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

Head

Ant.0	DSI5	QPSK	Left Cheek	0	132322	1745	1	99	-0.13	0.164	22.85	23.00	1.035	0.170	/
	DSI5		Left Tilt	0	132322	1745	1	99	0.01	0.075	22.85	23.00	1.035	0.078	/
	DSI5		Right Cheek	0	132322	1745	1	99	0.19	0.438	22.85	23.00	1.035	0.453	25#
	DSI5		Right Tilt	0	132322	1745	1	99	0.10	0.112	22.85	23.00	1.035	0.116	/
	DSI5		Left Cheek	0	132322	1745	50	50	0.05	0.131	21.84	22.00	1.038	0.136	/
	DSI5		Left Tilt	0	132322	1745	50	50	0.09	0.030	21.84	22.00	1.038	0.031	/
	DSI5		Right Cheek	0	132322	1745	50	50	-0.05	0.370	21.84	22.00	1.038	0.384	/
	DSI5		Right Tilt	0	132322	1745	50	50	0.12	0.095	21.84	22.00	1.038	0.099	/
	DSI5		Right Cheek	0	132072	1720	1	99	0.03	0.380	22.83	23.00	1.040	0.395	/
	DSI5		Right Cheek	0	132572	1770	1	99	-0.04	0.406	22.58	23.00	1.102	0.447	/
	DSI5		Right Cheek	0	132072	1720	50	50	-0.11	0.314	21.64	22.00	1.086	0.341	/

	DSI5		Right Cheek	0	132572	1770	50	50	-0.02	0.366	21.84	22.00	1.038	0.380	/
	DSI5		Right Cheek	0	132572	1770	100	0	0.05	0.375	21.75	22.00	1.059	0.397	/
Body-worn															
Ant.0	FULL	QPSK	Front Side	10	132322	1745	1	99	0.09	0.239	22.85	23.00	1.035	0.247	/
	FULL		Back Side	10	132322	1745	1	99	-0.08	1.000	22.85	23.00	1.035	1.035	/
	FULL		Front Side	10	132322	1745	50	50	-0.01	0.203	21.84	22.00	1.038	0.211	/
	FULL		Back Side	10	132322	1745	50	50	0.05	0.827	21.84	22.00	1.038	0.858	/
	FULL		Back Side	10	132072	1720	1	99	-0.12	1.070	22.83	23.00	1.040	1.113	26#
	FULL		Back Side	10	132572	1770	1	99	-0.14	0.964	22.58	23.00	1.102	1.062	/
	FULL		Back Side	10	132072	1720	50	50	0.02	0.834	21.64	22.00	1.086	0.906	/
	FULL		Back Side	10	132572	1770	50	50	-0.04	0.790	21.84	22.00	1.038	0.820	/
	FULL		Back Side	10	132572	1770	100	0	-0.02	0.801	21.75	22.00	1.059	0.848	/
Hotspot															
Ant.0	FULL	QPSK	Front Side	10	132322	1745	1	99	0.09	0.239	22.85	23.00	1.035	0.247	/
	FULL		Back Side	10	132322	1745	1	99	-0.08	1.000	22.85	23.00	1.035	1.035	/
	FULL		Left Edge	10	132322	1745	1	99	-0.11	0.312	22.85	23.00	1.035	0.323	/
	FULL		Right Edge	10	132322	1745	1	99	-0.11	0.096	22.85	23.00	1.035	0.099	/
	FULL		Bottom Edge	10	132322	1745	1	99	0.03	0.628	22.85	23.00	1.035	0.650	/
	FULL		Front Side	10	132322	1745	50	50	-0.01	0.203	21.84	22.00	1.038	0.211	/
	FULL		Back Side	10	132322	1745	50	50	0.05	0.827	21.84	22.00	1.038	0.858	/
	FULL		Left Edge	10	132322	1745	50	50	0.06	0.250	21.84	22.00	1.038	0.260	/
	FULL		Right Edge	10	132322	1745	50	50	-0.03	0.080	21.84	22.00	1.038	0.083	/
	FULL		Bottom Edge	10	132322	1745	50	50	0.02	0.519	21.84	22.00	1.038	0.539	/
	FULL		Back Side	10	132072	1720	1	99	-0.12	1.070	22.83	23.00	1.040	1.113	27#
	FULL		Back Side	10	132572	1770	1	99	-0.14	0.964	22.58	23.00	1.102	1.062	/
	FULL		Back Side	10	132072	1720	50	50	0.02	0.834	21.64	22.00	1.086	0.906	/
	FULL		Back Side	10	132572	1770	50	50	-0.04	0.790	21.84	22.00	1.038	0.820	/
	FULL		Back Side	10	132572	1770	100	0	-0.02	0.801	21.75	22.00	1.059	0.848	/
LTE Band71 (20MHz Bandwidth)															
Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune- power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.

Head															
Ant.0	FULL	QPSK	Left Cheek	0	133322	683	1	0	-0.01	0.219	23.49	23.50	1.002	0.219	/
	FULL		Left Tilt	0	133322	683	1	0	-0.02	0.083	23.49	23.50	1.002	0.083	/
	FULL		Right Cheek	0	133322	683	1	0	-0.09	0.277	23.49	23.50	1.002	0.278	/
	FULL		Right Tilt	0	133322	683	1	0	-0.04	0.093	23.49	23.50	1.002	0.093	/
	FULL		Left Cheek	0	133322	683	50	25	0.15	0.173	22.45	22.50	1.012	0.175	/
	FULL		Left Tilt	0	133322	683	50	25	0.02	0.072	22.45	22.50	1.012	0.073	/
	FULL		Right Cheek	0	133322	683	50	25	-0.06	0.223	22.45	22.50	1.012	0.226	/
	FULL		Right Tilt	0	133322	683	50	25	-0.01	0.076	22.45	22.50	1.012	0.077	/
	FULL		Right Cheek	0	133222	673	1	0	-0.08	0.262	23.49	23.50	1.002	0.263	/
	FULL		Right Cheek	0	133372	688	1	0	0.07	0.292	23.47	23.50	1.007	0.294	28#
	FULL		Right Cheek	0	133222	673	50	25	0.13	0.214	22.44	22.50	1.014	0.217	/
	FULL		Right Cheek	0	133372	688	50	25	0.10	0.237	22.45	22.50	1.012	0.240	/
	FULL		Right Cheek	0	133322	683	100	0	-0.12	0.229	22.46	22.50	1.009	0.231	/
	Body-worn														
Ant.0	FULL	QPSK	Front Side	10	133322	683	1	0	0.11	0.319	23.49	23.50	1.002	0.320	/
	FULL		Back Side	10	133322	683	1	0	-0.03	0.757	23.49	23.50	1.002	0.759	29#
	FULL		Front Side	10	133322	683	50	25	-0.04	0.247	22.45	22.50	1.012	0.250	/
	FULL		Back Side	10	133322	683	50	25	0.03	0.603	22.45	22.50	1.012	0.610	/
	FULL		Back Side	10	133222	673	1	0	0.09	0.726	23.49	23.50	1.002	0.727	/
	FULL		Back Side	10	133372	688	1	0	-0.06	0.752	23.47	23.50	1.007	0.757	/
	FULL		Back Side	10	133222	673	50	25	0.09	0.572	22.44	22.50	1.014	0.580	/
	FULL		Back Side	10	133372	688	50	25	0.04	0.617	22.45	22.50	1.012	0.624	/
	FULL		Back Side	10	133322	683	100	0	-0.08	0.612	22.46	22.50	1.009	0.618	/
Hotspot															
Ant.0	FULL	QPSK	Front Side	10	133322	683	1	0	0.11	0.319	23.49	23.50	1.002	0.320	/
	FULL		Back Side	10	133322	683	1	0	-0.03	0.757	23.49	23.50	1.002	0.759	30#
	FULL		Left Edge	10	133322	683	1	0	0.11	0.276	23.49	23.50	1.002	0.277	/
	FULL		Right Edge	10	133322	683	1	0	-0.08	0.286	23.49	23.50	1.002	0.287	/

FULL	Bottom Edge	10	133322	683	1	0	0.01	0.080	23.49	23.50	1.002	0.080	/
FULL	Front Side	10	133322	683	50	25	-0.04	0.247	22.45	22.50	1.012	0.250	/
FULL	Back Side	10	133322	683	50	25	0.03	0.603	22.45	22.50	1.012	0.610	/
FULL	Left Edge	10	133322	683	50	25	0.07	0.237	22.45	22.50	1.012	0.240	/
FULL	Right Edge	10	133322	683	50	25	-0.07	0.255	22.45	22.50	1.012	0.258	/
FULL	Bottom Edge	10	133322	683	50	25	-0.14	0.063	22.45	22.50	1.012	0.064	/
FULL	Back Side	10	133222	673	1	0	0.09	0.726	23.49	23.50	1.002	0.727	/
FULL	Back Side	10	133372	688	1	0	-0.06	0.752	23.47	23.50	1.007	0.757	/
FULL	Back Side	10	133222	673	50	25	0.09	0.572	22.44	22.50	1.014	0.580	/
FULL	Back Side	10	133372	688	50	25	0.04	0.617	22.45	22.50	1.012	0.624	/
FULL	Back Side	10	133322	683	100	0	-0.08	0.612	22.46	22.50	1.009	0.618	/

10.2WIFI

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune-power(dBm)	Scaling Factor	Duty Cycle(%)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	FULL	802.11 b	Left Cheek	0	11	2462	0.06	0.103	14.95	16.00	1.274	99.32	1.007	0.132	/
	FULL	802.11 b	Left Tilt	0	11	2462	-0.10	0.077	14.95	16.00	1.274	99.32	1.007	0.099	/
	FULL	802.11 b	Right Cheek	0	11	2462	0.05	0.160	14.95	16.00	1.274	99.32	1.007	0.205	/
	FULL	802.11 b	Right Tilt	0	11	2462	-0.08	0.056	14.95	16.00	1.274	99.32	1.007	0.072	/
	FULL	802.11 b	Right Cheek	0	1	2412	-0.01	0.218	12.98	14.00	1.265	99.32	1.007	0.278	31#
	FULL	802.11 b	Right Cheek	0	6	2437	0.00	0.179	13.55	14.50	1.245	99.32	1.007	0.224	/
Body-Wron															
Ant.1	FULL	802.11 b	Front Side	10	11	2462	0.08	0.094	14.95	16.00	1.274	99.32	1.007	0.121	/
	FULL	802.11 b	Back Side	10	11	2462	-0.05	0.178	14.95	16.00	1.274	99.32	1.007	0.228	32#
	FULL	802.11 b	Back Side	10	1	2412	-0.12	0.172	12.98	14.00	1.265	99.32	1.007	0.219	/
	FULL	802.11 b	Back Side	10	6	2437	0.09	0.131	13.55	14.50	1.245	99.32	1.007	0.164	/
Hotspot															
Ant.1	FULL	802.11 b	Front Side	10	11	2462	0.08	0.094	14.95	16.00	1.274	99.32	1.007	0.121	/
	FULL	802.11 b	Back Side	10	11	2462	-0.05	0.178	14.95	16.00	1.274	99.32	1.007	0.228	33#
	FULL	802.11 b	Left Edge	10	11	2462	0.12	0.080	14.95	16.00	1.274	99.32	1.007	0.103	/
	FULL	802.11 b	Top Edge	10	11	2462	0.10	0.065	14.95	16.00	1.274	99.32	1.007	0.083	/
	FULL	802.11 b	Back Side	10	1	2412	-0.12	0.172	12.98	14.00	1.265	99.32	1.007	0.219	/
	FULL	802.11 b	Back Side	10	6	2437	0.09	0.131	13.55	14.50	1.245	99.32	1.007	0.164	/

10.3Bluetooth

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune- power(dBm)	Scaling Factor	Duty Cycle(%)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant. 1	FULL	DH5	Left Cheek	0	78	2480	-0.01	0.029	4.05	5.50	1.395	77.14	1.296	0.052	/
	FULL		Left Tilt	0	78	2480	0.06	0.015	4.05	5.50	1.395	77.14	1.296	0.027	/
	FULL		Right Cheek	0	78	2480	-0.13	0.038	4.05	5.50	1.395	77.14	1.296	0.069	/
	FULL		Right Tilt	0	78	2480	0.07	0.011	4.05	5.50	1.395	77.14	1.296	0.020	/
	FULL		Right Cheek	0	0	2402	0.15	0.041	3.67	5.50	1.523	77.14	1.296	0.081	/
	FULL		Right Cheek	0	39	2441	-0.08	0.046	3.77	5.50	1.489	77.14	1.296	0.089	34#
Body-worn															
Ant. 1	FULL	DH5	Front Side	10	78	2480	0.05	0.010	4.05	5.50	1.395	77.14	1.296	0.018	/
	FULL		Back Side	10	78	2480	-0.15	0.016	4.05	5.50	1.395	77.14	1.296	0.029	/
	FULL		Back Side	10	0	2402	0.03	0.013	3.67	5.50	1.523	77.14	1.296	0.026	/
	FULL		Back Side	10	39	2441	0.09	0.017	3.77	5.50	1.489	77.14	1.296	0.033	35#
Hotspot															
Ant. 1	FULL	DH5	Front Side	0	78	2480	0.05	0.010	4.05	5.50	1.395	77.14	1.296	0.018	/
	FULL		Back Side	0	78	2480	-0.15	0.016	4.05	5.50	1.395	77.14	1.296	0.029	/
	FULL		Left Edge	0	78	2480	-0.14	0.011	4.05	5.50	1.395	77.14	1.296	0.020	/
	FULL		Top Edge	0	78	2480	0.06	0.010	4.05	5.50	1.395	77.14	1.296	0.018	/
	FULL		Back Side	0	0	2402	0.03	0.013	3.67	5.50	1.523	77.14	1.296	0.026	/
	FULL		Back Side	0	39	2441	0.09	0.017	3.77	5.50	1.489	77.14	1.296	0.033	36#

11 SAR Measurement Variability

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

SAR repeated measurement procedure:

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

Frequency Band (MHz)	Wireless Band	RF Exposure Conditions	Test Position	Highest Measured SAR (W/kg)	Repeated SAR (Yes/No)	Repeated ^{1st} Measured SAR (W/kg)	Largest to Smallest SAR Ratio
1900	LTE Band2	Body-worn&hotspot	Back Side	1.000	Yes	0.988	1.01
1720	LTE Band4	Body-worn&hotspot	Back Side	1.020	Yes	0.991	1.03
844	LTE Band5	Body-worn&hotspot	Back Side	0.965	Yes	0.941	1.03
704	LTE Band12	Body-worn&hotspot	Back Side	0.987	Yes	0.949	1.04
710	LTE Band17	Body-worn&hotspot	Back Side	0.961	Yes	0.950	1.01
1882.5	LTE Band25	Body-worn&hotspot	Back Side	1.050	Yes	0.963	1.09
841.5	LTE Band26	Body-worn&hotspot	Back Side	0.944	Yes	0.856	1.10
1720	LTE Band66	Body-worn&hotspot	Back Side	1.070	Yes	1.010	1.06

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

12 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).

12.1 Simultaneous Transmission Mode Consider

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

Note:

1. 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.
2. The maximum SAR summation is calculated based on the same configuration and test position.
3. 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.

12.2 Sum SAR of Simultaneous Transmission

Please refer the document "Ti-CC26050270-AST.pdf".

13 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	DASY8	16.2.2.1588	N/A	N/A
750MHz Validation Dipole	Speag	D750V3	SN: 1208	2024/08/19	2027/08/18
835MHz Validation Dipole	Speag	D835V2	SN: 4d187	2024/05/08	2027/05/07
1750MHz Validation Dipole	Speag	D1750V2	SN: 1130	2024/05/08	2027/05/07
1950MHz Validation Dipole	Speag	D1950V3	SN: 1240	2024/08/22	2027/08/21
2450MHz Validation Dipole	Speag	D2450V2	SN: 952	2024/05/07	2027/05/06
Data Acquisition Electronics	Speag	DAE4	SN: 1711	2025/11/11	2026/11/10
E-Field Probe	Speag	EX3DV4	SN: 7510	2025/11/11	2026/11/10
Signal Generator	Keysight	N5173B	MY62150163	2025/07/15	2026/07/14
Power Meter	R&S	NRVD-B2	835843/014	2025/07/15	2026/07/14
Power Sensor	R&S	NRV-Z4	100381	2025/07/15	2026/07/14
Power Sensor	R&S	NRV-Z2	100211	2025/07/15	2026/07/14
Wireless Communication Test Set	Anritsu	MT8820C	6201524635	2025/07/28	2026/07/27
Wireless Communication Test Set	R&S	CMW500	104946	2026/03/24	2027/03/23
Network Analyzer	Agilent	E5071C	MY46103472	2025/08/13	2026/08/12
Thermometer	Elitech	RC-4HC	EF7239002655	2025/10/29	2026/10/28
Thermometer	Elitech	RC-4HC	EF7216002974	2025/10/30	2026/10/29
Power Amplifier	Mini-Circuits	ZVA-183W-S+	932502132	N/A	N/A
Dielectric Probe Kit	Speag	DAK3.5	SN: 1312	N/A	N/A
Phantom	Speag	SAM	SN: 1859	N/A	N/A
Attenuator	COM-MW	ZA-S1-31	1305003187	N/A	N/A
Directional coupler	AA-MCS	AAMCS-UDC	000272	N/A	N/A
Note: For dipole antennas, BALUN has adopted 3 years as calibration intervals, and on annual basis, every measurement dipole has been evaluated and is in compliance with the following criteria: 1. There is no physical damage on the dipole; 2. System validation with specific dipole is within 10% of calibrated value; 3. Return-loss in within 20% of calibrated measurement. 4. Impedance (real or imaginary parts) in within 5 Ohms of calibrated measurement.					

ANNEX A SIMULATING LIQUID VERIFICATION RESULT

The dielectric parameters of the liquids were verified prior to the SAR evaluation using a DAK 3.5 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 (%)
2026.06.18	Head	750	21.3	0.90	41.8	0.89	41.9	1.12	-0.24
2026.06.19	Head	750	21.6	0.92	41.3	0.89	41.9	3.37	-1.43
2026.06.20	Head	750	21.8	0.90	41.2	0.89	41.9	1.12	-1.67
2026.06.21	Head	835	21.5	0.91	41.7	0.90	41.5	1.11	0.48
2026.06.22	Head	835	21.4	0.93	40.4	0.90	41.5	3.33	-2.65
2026.06.23	Head	1750	21.5	1.40	39.6	1.37	40.1	2.19	-1.25
2026.06.26	Head	1750	21.6	1.39	40.1	1.37	40.1	1.46	0.00
2026.06.27	Head	1950	21.7	1.38	40.4	1.40	40.0	-1.43	1.00
2026.06.28	Head	1950	21.2	1.43	38.9	1.40	40.0	2.14	-2.75
2026.06.29	Head	2450	21.4	1.81	38.1	1.80	39.2	0.56	-2.81

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

ANNEX B SYSTEM CHECK RESULT

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

Head liquid 1g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2026.06.18	Head	750	100	0.865	8.65	8.46	2.25
2026.06.19	Head	750	100	0.826	8.26	8.46	-2.36
2026.06.20	Head	750	100	0.841	8.41	8.46	-0.59
2026.06.21	Head	835	100	0.972	9.72	9.74	-0.21
2026.06.22	Head	835	100	0.968	9.68	9.74	-0.62
2026.06.23	Head	1750	100	3.770	37.70	37.00	1.89
2026.06.26	Head	1750	100	3.680	36.80	37.00	-0.54
2026.06.27	Head	1950	100	4.140	41.40	41.70	-0.72
2026.06.28	Head	1950	100	4.190	41.90	41.70	0.48
2026.06.29	Head	2450	100	5.360	53.60	52.60	1.90

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

Please refer the document "Ti-CC26050270-ASC.pdf".

ANNEX C TEST DATA

Please refer the document "Ti-CC26050270-ATD.pdf".

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document "Ti-CC26050270-AW.pdf".

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document "Ti-CC26050270-AS.pdf".

ANNEX F CALIBRATION REPORT

Please refer the document "Ti-CC26050270-AC.pdf".

ANNEX G TUNE-UP PROCEDURE

Please refer the document "Ti-CC26050270-AT.pdf".

Statement

1. The laboratory guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.
2. The report without China inspection body and laboratory Mandatory Approval (CMA) mark has no effect of proving to the society.
3. For the report with CNAS mark or A2LA mark, the items marked with "☆" are not within the accredited scope.
4. This report is invalid if it is altered, without the signature of the testing and approval personnel, or without the "inspection and testing dedicated stamp" or test report stamp.
5. The test data and results are only valid for the tested samples provided by the customer.
6. This report shall not be partially reproduced without the written permission of the laboratory.
7. Any objection shall be raised to the laboratory within 30 days after receiving the report.

--END OF REPORT--