

TEST REPORT

Applicant: Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address: NO.18 HaiBin Road, Wusha Village, Chang'an Town, DongGuan City, Guangdong Province, P.R. China
Equipment Type: Mobile Phone
Model Name: CPH2847
Brand Name: OPPO
FCC ID: R9C-OP25249
Test Standard: FCC 47 CFR Part 2.1093 (refer section 3.1)
Maximum SAR: Head (1 g@0mm): 1.15 W/kg
Body-worn (1 g@15mm): 0.58 W/kg
Hotspot (1 g@10mm): 1.11 W/kg
Specific (10 g@0mm): 2.19 W/kg
Sample Arrival Date: Aug. 20, 2025
Test Date: Sep. 01, 2025 - Sep. 20, 2025
Date of Issue: Feb. 02, 2026

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

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

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Jan. 27, 2026</u>	<u>Initial Issue</u>
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TABLE OF CONTENTS

1	GENERAL INFORMATION.....	5
1.1	Test Laboratory	5
1.2	Test Location	5
1.3	Test Environment Condition.....	5
2	PRODUCT INFORMATION	6
2.1	Applicant Information	6
2.2	Manufacturer Information.....	6
2.3	General Description for Equipment under Test (EUT).....	6
2.4	Ancillary Equipment.....	6
2.5	Technical Information	7
3	SUMMARY OF TEST RESULT	9
3.1	Test Standards	9
3.2	Device Category and SAR Limit	10
3.3	Test Result Summary	11
3.4	Test Uncertainty	13
4	MEASUREMENT SYSTEM	14
4.1	Specific Absorption Rate (SAR) Definition	14
4.2	DASY SAR System	15
5	SYSTEM VERIFICATION.....	22
5.1	Purpose of System Check	22
5.2	System Check Setup	22
6	TEST POSITION CONFIGURATIONS	23
6.1	Head Exposure Conditions	23
6.2	Body-worn Position Conditions	25

6.3	Hotspot Mode Exposure Position Conditions	26
6.4	Product Specific 10g Exposure Consideration	26
7	MEASUREMENT PROCEDURE	27
7.1	Measurement Process Diagram	27
7.2	SAR Scan General Requirement	28
7.3	Measurement Procedure	29
7.4	Area & Zoom Scan Procedure	29
7.5	Area & Zoom Scan Procedure	30
8	CONDUCTED RF OUTPUT POWER	32
8.1	Power Reduction List.....	32
8.2	GSM	41
8.3	WCDMA	41
8.4	LTE.....	41
8.5	WIFI.....	41
8.6	Bluetooth	41
9	TEST EXCLUSION CONSIDERATION	42
10	TEST RESULT	43
10.1	GSM 850	43
10.2	GSM 900	45
10.3	GSM 1900	47
10.4	WCDMA Band 2	49
10.5	WCDMA Band 4	51
10.6	WCDMA Band 5	52
10.7	WCDMA Band 8	53
10.8	LTE Band 2 (20MHz Bandwidth)	54
10.9	LTE Band 4 (20MHz Bandwidth)	57
10.10	LTE Band 5 (10MHz Bandwidth)	60
10.11	LTE Band 7 (20MHz Bandwidth)	62
10.12	LTE Band 8 (10MHz Bandwidth)	65
10.13	LTE Band 13 (10MHz Bandwidth).....	67

10.14	LTE Band 18 (15MHz Bandwidth).....	69
10.15	LTE Band 19 (15MHz Bandwidth).....	71
10.16	LTE Band 26 (15MHz Bandwidth).....	73
10.17	LTE Band 28 (20MHz Bandwidth).....	75
10.18	LTE Band 66 (20MHz Bandwidth).....	77
10.19	LTE Band 38 (20MHz Bandwidth).....	80
10.20	LTE Band 41 (20MHz Bandwidth).....	82
10.21	WIFI 2.4GHz.....	84
10.22	WIFI 5GHz.....	85
10.23	Bluetooth	88
11	SAR Measurement Variability	89
12	SIMULTANEOUS TRANSMISSION.....	90
12.1	Simultaneous Transmission Mode Consider	90
12.2	Sum SAR of Simultaneous Transmission	90
13	TEST EQUIPMENTS LIST	91
ANNEX A	SIMULATING LIQUID VERIFICATION RESULT	92
ANNEX B	SYSTEM CHECK RESULT	93
ANNEX C	TEST DATA.....	95
ANNEX D	EUT EXTERNAL PHOTOS.....	95
ANNEX E	SAR TEST SETUP PHOTOS	95
ANNEX F	CALIBRATION REPORT	95

1 GENERAL INFORMATION

1.1 Test Laboratory

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

1.2 Test Location

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

1.3 Test Environment Condition

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

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address	NO.18 HaiBin Road, Wusha Village, Chang'an Town, DongGuan City, Guangdong Province, P.R. China

2.2 Manufacturer Information

Manufacturer	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address	NO.18 HaiBin Road, Wusha Village, Chang'an Town, DongGuan City, Guangdong Province, P.R. China

2.3 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	CPH2847
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	11
Software Version	ColorOS 15.0
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A
EUT ID	/
IMEI Number	/

2.4 Ancillary Equipment

Please refer the document “Ti-CC26010219-AW EUT external photo.pdf”.

2.5 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/900/1900 3G Network WCDMA/HSDPA/HSUPA/DC-HSDPA Band 2/4/5/8 4G Network FDD LTE Band 2/4/5/7/8/13/18/19/26/28/66 TDD LTE Band 38/41 Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n(HT20/40), 802.11ac(VHT20/40/80) GNSS, FM Receiver
Note: The EUT is a mobile phone, which supports dual SIM card under the same transceiver. Each SIM supports GSM, WCDMA and LTE, and both SIM share the same transmitting electro circuit, NV parameters, so only SIM1 was tested in this report.	

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

Operating Mode	GSM, WCDMA, LTE, 2.4G WIFI, 5G WIFI, Bluetooth		
Frequency Range	GSM 850	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	GSM 900	TX: 880 ~ 915 MHz	RX: 925 ~ 960 MHz
	GSM 1900	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 2	TX: 1850~1910 MHz	RX: 1930~1990 MHz
	WCDMA Band 4	TX: 1710~1755 MHz	RX: 2110~2155 MHz
	WCDMA Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	WCDMA Band 8	TX: 880 ~ 915 MHz	RX: 925 ~ 960 MHz
	LTE Band 2	TX: 1850~1910 MHz	RX: 1930~1990 MHz
	LTE Band 4	TX: 1710~1755 MHz	RX: 2110~2115 MHz
	LTE Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	LTE Band 8	TX: 880 ~ 915 MHz	RX: 925 ~ 960 MHz
	LTE Band 13	TX: 777~787 MHz	RX: 746~756 MHz
	LTE Band 18	TX: 815~830 MHz	RX: 860~875 MHz
	LTE Band 19	TX: 830~845 MHz	RX: 875~890 MHz
	LTE Band 26	TX: 814~849 MHz	RX: 859~894 MHz
	LTE Band 28	TX: 703 ~ 748 MHz	RX: 758 ~ 803 MHz
	LTE Band 66	TX:1710 ~ 1780 MHz	RX: 2110 ~ 2180 MHz
	LTE Band 38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	LTE Band 41	TX: 2535 ~ 2655 MHz	RX: 2535 ~ 2655 MHz
	802.11b/g /n(HT20/HT40)	2412 ~ 2462 MHz	
	VHT20/40	2412 ~ 2462 MHz	
	802.11a/ /n(HT20/HT40) /ac(VHT20/VHT40)	5150 ~ 5250 MHz	
		5250 ~ 5350 MHz	
		5470 ~ 5725 MHz	

	/VHT80)	5725 ~ 5850 MHz
	Bluetooth	2402 ~ 2480 MHz
Antenna Type	WWAN: IFA Antenna WIFI: IFA Antenna Bluetooth: IFA Antenna	
DTM	N/A	
Hotspot Function	Support	
Power Reduction	Support	
Exposure Category	General Population/Uncontrolled exposure	
Product Type	Portable Device	
EUT Type	☒ Production unit	☐ Identical prototype
Note: 1. The device utilizes independent power reduction mechanisms for SAR compliance for the 2/3/4G transmitter for held-to-ear exposure conditions. 2. The device utilizes independent power reduction mechanisms for SAR compliance for the 2/3/4G transmitter for near to body exposure conditions. 3. The reduction power details please refer section 8.1.		

3 SUMMARY OF TEST RESULT

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 2.1093	Radiofrequency radiation exposure evaluation: portable devices
2	ANSI/IEEE C95.1-1992	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz
3	IEEE Std. 1528-2013	IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate(SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
4	KDB 447498 D04 v01	447498 D04 Interim General RF Exposure Guidance v01
5	KDB 941225 D01 v03r01	3G SAR MEAUREMENT PROCEDURES
6	KDB 941225 D05 v02r05	SAR Evaluation Considerations for LTE Devices
7	KDB 941225 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

Note : Compared with the EUT of test report BL-SZ2580860-701, the changes of the EUT of this report as below:

- 1.Different model names
- 2.Different appearance colors
- 3.Different storage
- 4.Added receiver suppliers
- 5.Removed the mic shielding cover of the sub-board
- 6.Changed the appearance of the motherboard shielding cover

Other hardware circuit and software are the same as EUT referred in test report BL-SZ2580860-701.

Therefore, all test data are original from the report BL-SZ2580860-701, by Shenzhen BALUN Technology Co., Ltd. on Sep. 30, 2025.

3.2 Device Category and SAR Limit

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

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

Table of Exposure Limits:

Body Position	SAR Value (W/Kg)	
	General Population/ Uncontrolled Exposure	Occupational/ 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)			
	Head	Body-worn	Hotspot	Specific	Head	Body-worn	Hotspot	Specific
	(0mm)	(15mm)	(10mm)	(0mm)	(0mm)	(15mm)	(10mm)	(0mm)
	1g SAR			10g SAR	1g SAR			10g SAR
GSM 850	0.50	0.31	0.82	/	1.15	0.58	1.11	2.19
GSM 900	0.71	0.22	0.54	/				
GSM 1900	0.54	0.58	0.91	/				
WCDMA Band 2	0.99	0.50	0.61	1.83				
WCDMA Band 4	0.71	0.20	0.36	/				
WCDMA Band 5	0.57	0.35	0.98	/				
WCDMA Band 8	0.62	0.38	0.96	/				
LTE Band 2	1.03	0.40	0.64	1.58				
LTE Band 4	0.67	0.27	0.38	1.91				
LTE Band 5	0.62	0.37	1.11	2.09				
LTE Band 7	1.06	0.35	0.45	2.19				
LTE Band 8	0.73	0.39	0.69	1.58				
LTE Band 13	0.44	0.22	0.48	/				
LTE Band 18	0.51	0.30	0.73	/				
LTE Band 19	0.32	0.30	0.46	/				
LTE Band 26	0.56	0.32	0.77	2.09				
LTE Band 28	0.28	0.22	0.87	/				
LTE Band 66	0.71	0.25	0.36	2.04				
LTE Band 38	0.69	0.31	0.61	1.25				
LTE Band 41	0.42	0.21	0.50	0.71				
2.4G WIFI	0.32	0.10	0.20	/				
5.2G WIFI	/	/	0.26	/				
5.3G WIFI	1.15	0.16	/	0.33				
5.6G WIFI	0.85	0.11	/	0.33				
5.8G WIFI	0.99	0.20	0.32	/				
Bluetooth	0.20	0.03	0.05	/				
Limit (W/kg)	1.6			4	1.6			4
Verdict	PASS							

3.3.2 Highest Simultaneous Transmission SAR Values

Equipment Class	Maximum Scaled SAR (W/kg)			
	Head 1g (0mm)	Body-worn 1g (0mm)	Hotspot 1g (10mm)	Specific 10g (0mm)
PCE	1.31	0.72	1.34	2.10
DTS	0.89	0.60	1.26	/
NII	1.31	0.72	1.34	2.10
DSS	0.92	0.61	1.17	/
Limit (W/Kg)	1.60	1.60	1.60	4.00
Verdict	Pass			
Note: The highest simultaneous SAR please refer section 12.2				

3.4 Test Uncertainty

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

The maximum 1 g SAR for the EUT in this report is 1.15 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

The maximum 10 g SAR for the EUT in this report is 2.19 W/kg, which is lower than 3.75 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

4 MEASUREMENT SYSTEM

4.1 Specific Absorption Rate (SAR) Definition

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

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

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

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

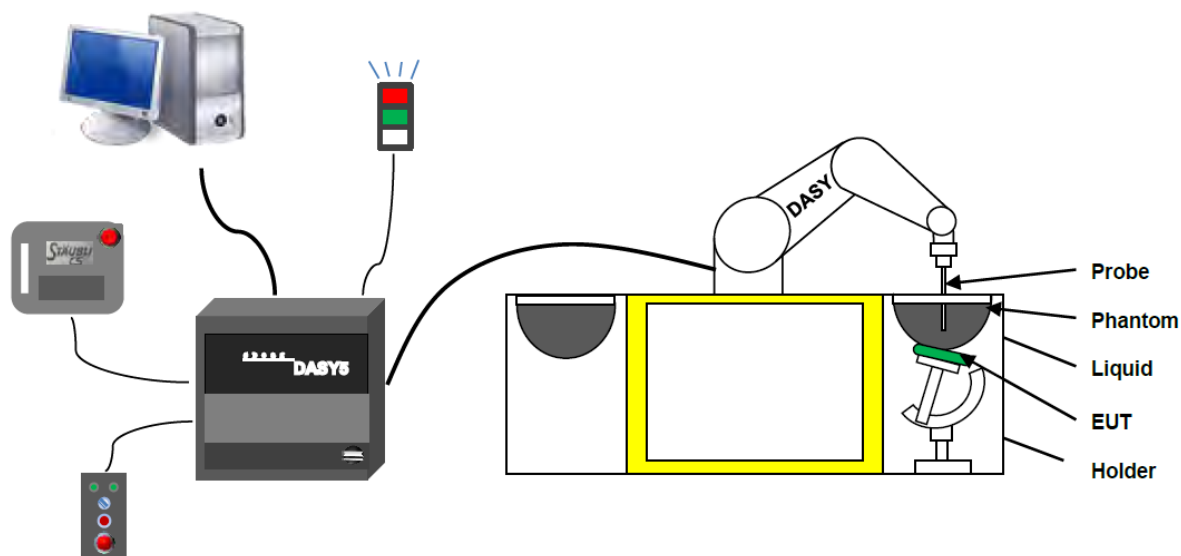
$$\text{SAR} = \frac{\sigma E^2}{\rho}$$

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., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	10 MHz to 6 GHz; Linearity: ± 0.2 dB (30 MHz to 6 GHz)
Directivity	± 0.2 dB in HSL (rotation around probe axis) ; ± 0.4 dB in HSL (rotation normal to probe axis)
Dynamic range	5 μ W/g to > 100 mW/g; Linearity: ± 0.2 dB
Dimensions	Overall length: 337 mm (Tip: 9 mm) Tip diameter: 2.5 mm (Body: 10 mm) Distance from probe tip to dipole centers: 1.0 mm
Application	General dosimetry up to 3 GHz Compliance tests of mobile phones Fast automatic scanning in arbitrary phantoms (EX3DV4)



E-Field Probe Calibration Process

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

4.2.4 Data Acquisition Electronics

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



- Input Impedance: 200MΩ
- The Inputs: Symmetrical and Floating
- Common 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

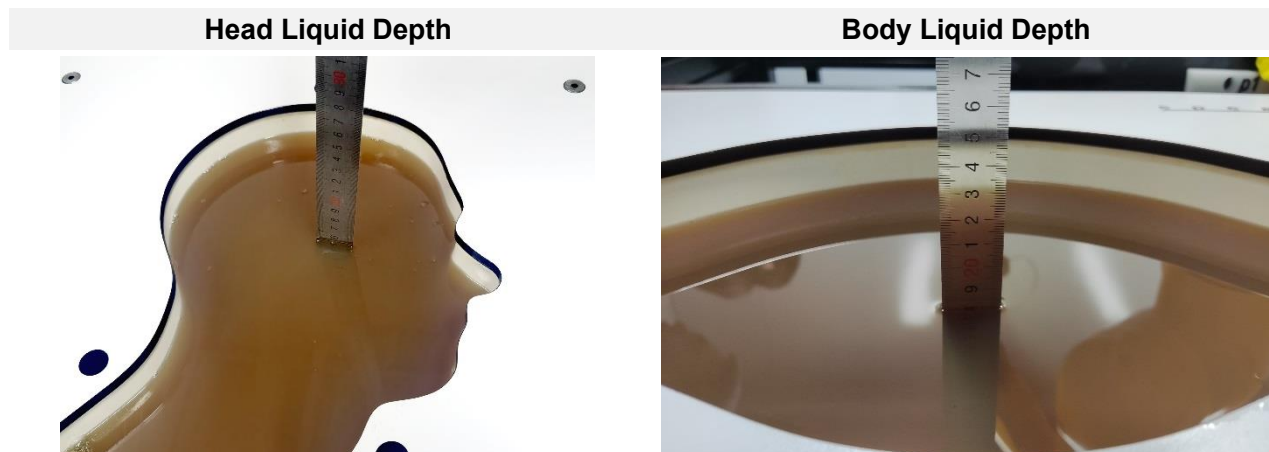
The DASY5 device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of 65° . The bottom plate contains three pair of bolts for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



The following table gives the recipes for tissue simulating liquid.

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

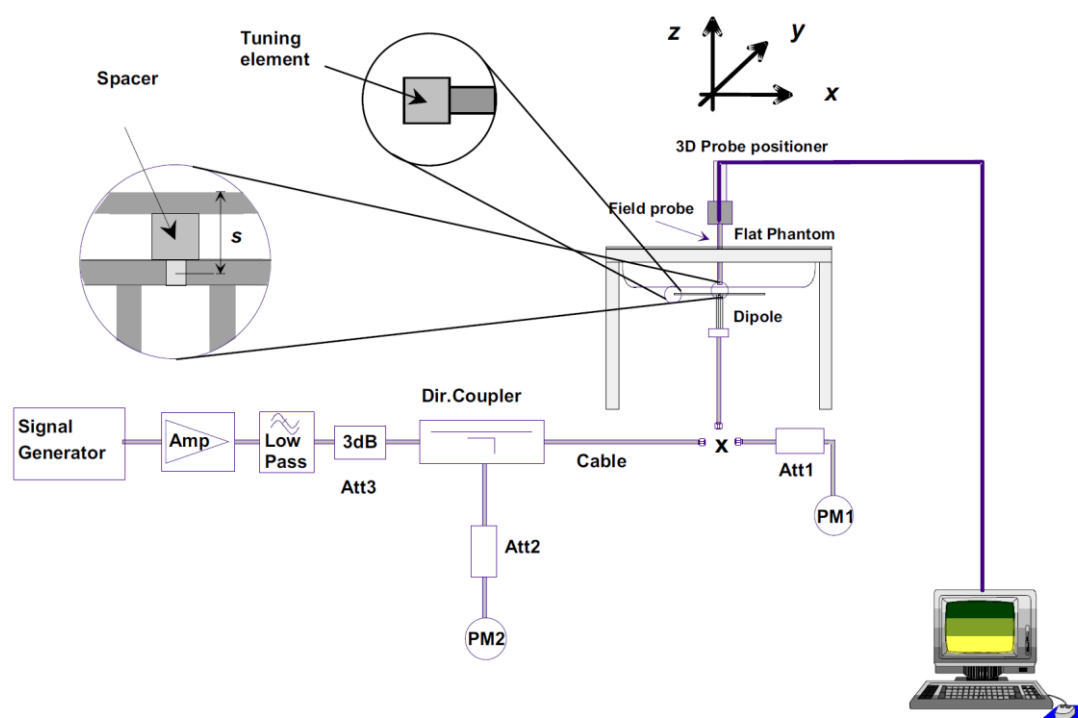
5 SYSTEM VERIFICATION

5.1 Purpose of System Check

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

5.2 System Check Setup

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



6 TEST POSITION CONFIGURATIONS

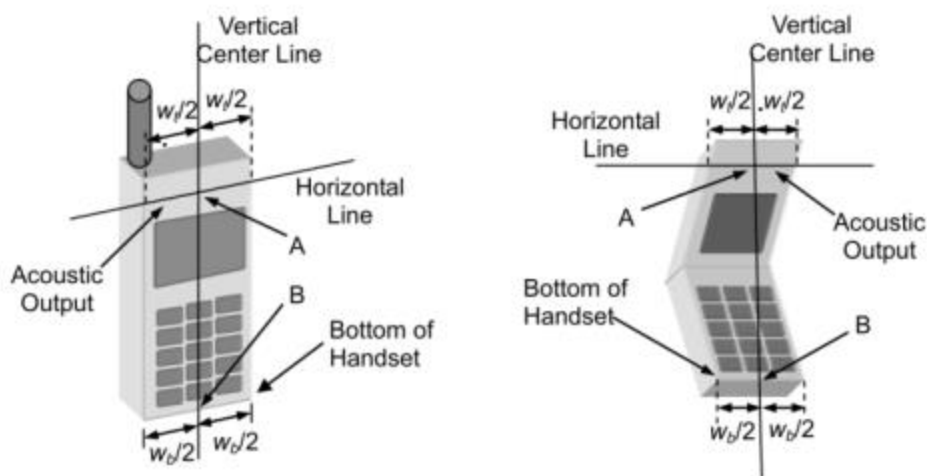
According to KDB 648474 D04 Handset, handsets are tested for SAR compliance in head, body-worn accessory and other use configurations described in the following subsections.

6.1 Head Exposure Conditions

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

6.1.1 Two Imaginary Lines on the Handset

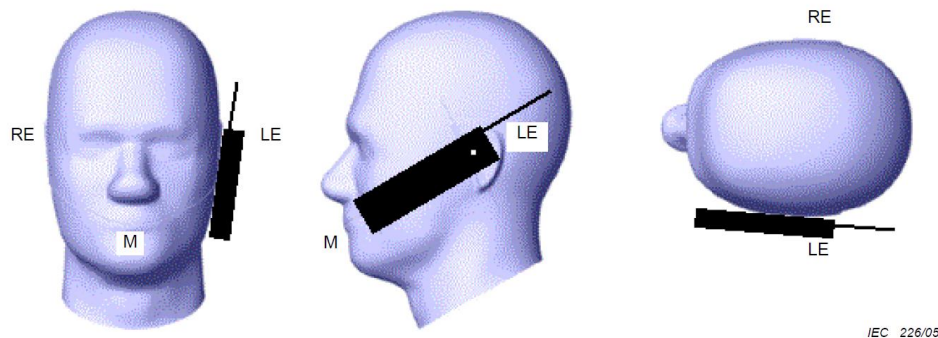
- The vertical center line passes through two points on the front side of the handset - the midpoint of the width w_t of the handset at the level of the acoustic output, and the midpoint of the width w_b of the bottom of the handset.
- The horizontal line is perpendicular to the vertical centerline and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



6.1.2 Cheek Position

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

of the phantom or until contact with the ear is lost.



6.1.3 Tilted Position

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

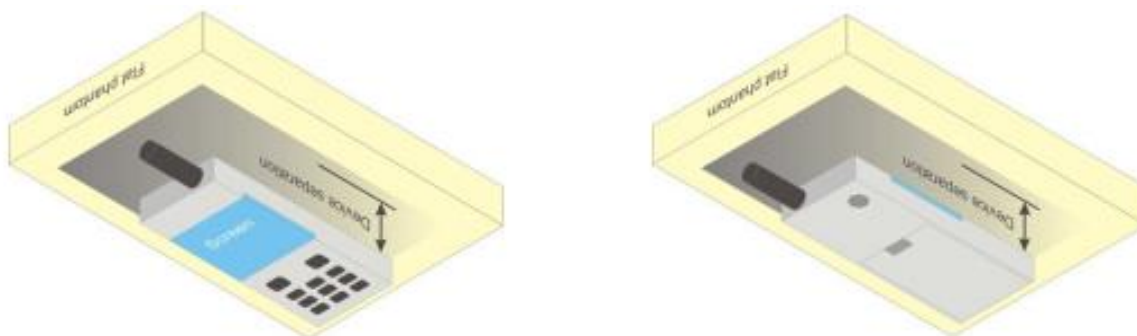


6.2 Body-worn Position Conditions

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

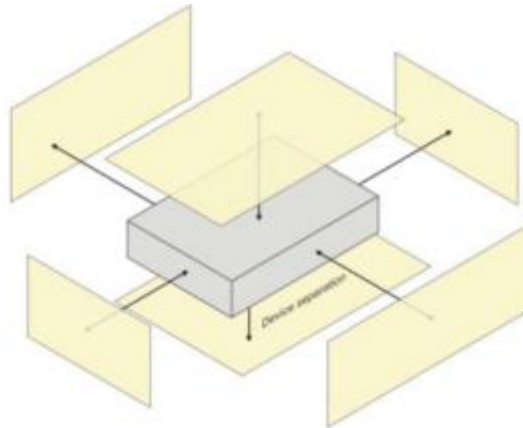
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.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

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



6.3 Hotspot Mode Exposure Position Conditions

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



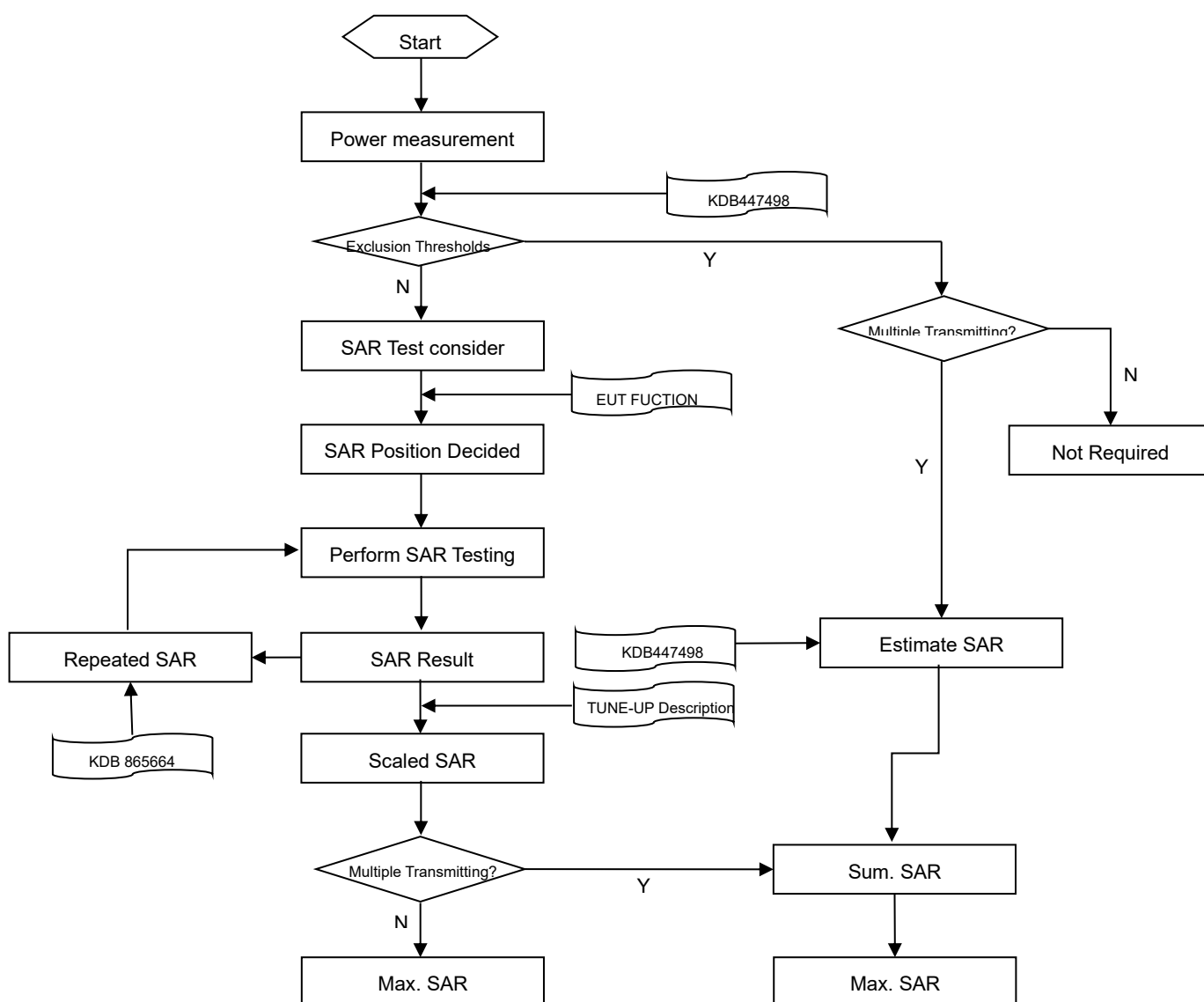
6.4 Product Specific 10g Exposure Consideration

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

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

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
				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

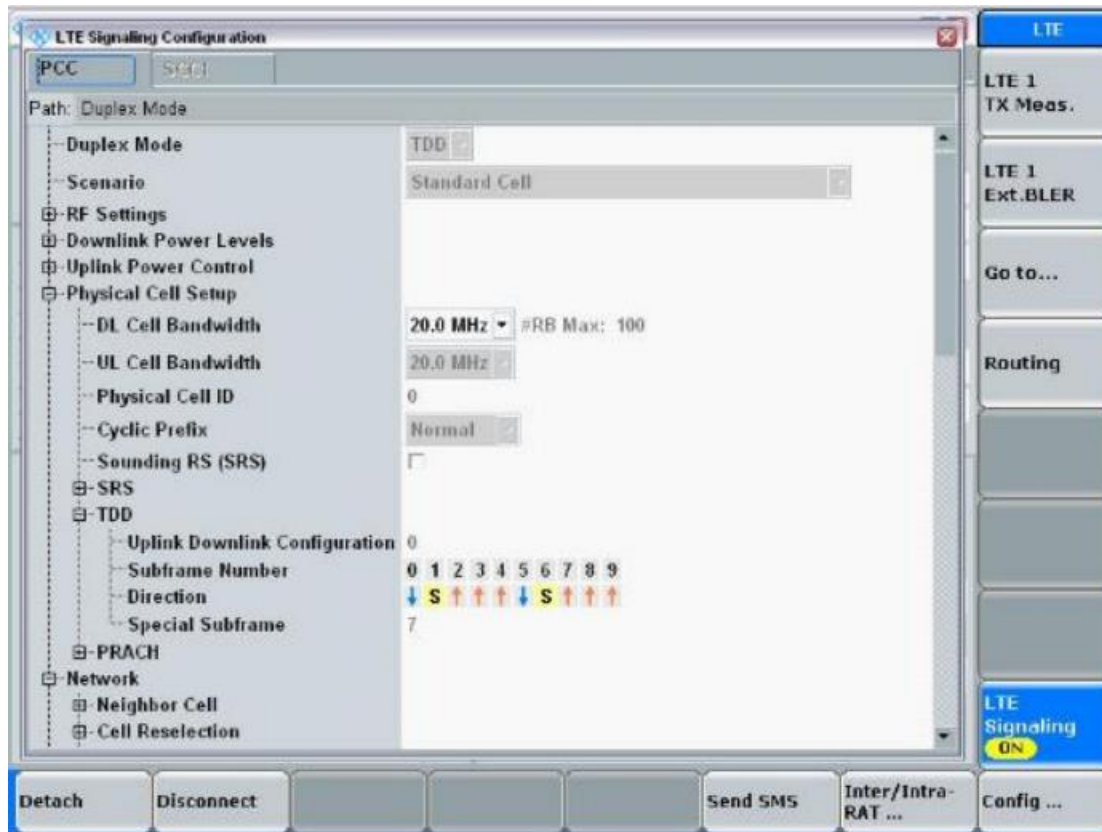
- a. Establish a call with the maximum output power with a base station simulator. The connection between the mobile and the base station simulator is established via air interface
- b. Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating 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

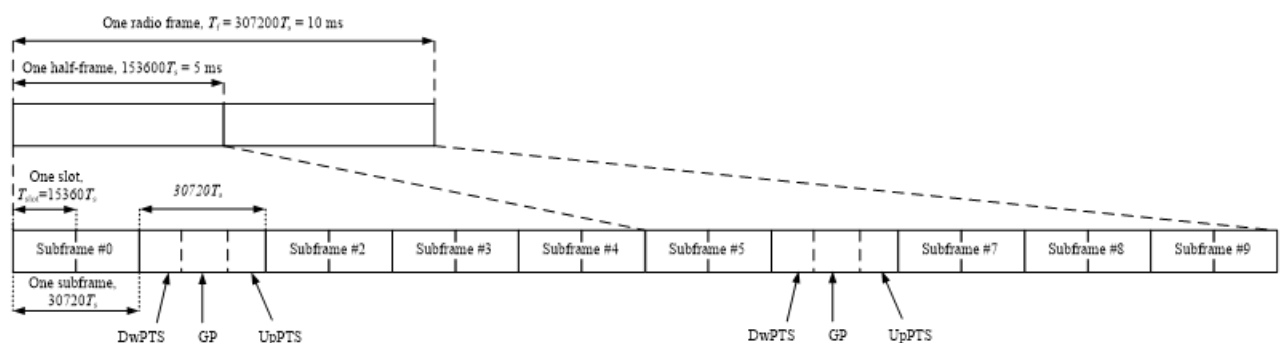
First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan 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.

7.5 Area & Zoom Scan Procedure

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



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



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

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

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

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

8.1 Power Reduction List

1. This mobile phone device supports the receiver detection mechanism. This device uses the receiver to indicate whether the user is making a call in head.
2. When device is making call in head, the power reduction will applied for SAR compliance.
3. When there is a voice call (including VOIP), and the audio is actively routed through the headset or speaker, which indicating the body exposure conditions will trigger the body exposure reduced the power.
4. When this device used data mode only, and the receiver will not work too, the reduced the power are same as body exposure.

WWAN Reduced Power Level Table

Reduced level	Receiver state	Transmitting conditions	Antenna
State2	On (head scenario)	WWAN Use Only	Ant.0
			Ant.1
			Ant.2
State4	On (head scenario)	2.4G WIFI/5G WIFI/BT+WWAN	Ant.0
			Ant.1
			Ant.2
State1	Off (Body scenario)	WWAN Use Only	Ant.0
			Ant.1
			Ant.2
State3	Off (Body scenario)	2.4G WIFI/5G WIFI/BT+WWAN	Ant.0
			Ant.1
			Ant.2

WWAN Antenna Power table

Mode	Antenna	WWAN Antenna0&1&2				
		Full Power	Receiver on		Receiver off	
			Head		Body	
			WWAN Use Only	2.4G WIFI/5G WIFI/BT+WWAN	WWAN Use Only	2.4G WIFI/5G WIFI/BT+WWAN
		Off	State2	State4	State1	State3
GSM 850	Ant.1	33.50	32.00	31.50	33.50	33.50
GPRS850 1 Tx Slot	Ant.1	33.50	32.00	31.50	33.50	33.50
GPRS850 2 Tx Slot	Ant.1	31.00	29.50	29.00	31.00	31.00
GPRS850 3 Tx Slot	Ant.1	29.00	27.50	27.00	29.00	29.00
GPRS850 4 Tx Slot	Ant.1	28.00	26.50	26.00	28.00	28.00
EGPRS850 1 Tx Slot	Ant.1	28.00	26.50	26.00	28.00	28.00
EGPRS850 2 Tx Slot	Ant.1	25.00	23.50	23.00	25.00	25.00
EGPRS850 3 Tx Slot	Ant.1	23.00	21.50	21.00	23.00	23.00
EGPRS850 4 Tx Slot	Ant.1	22.00	20.50	20.00	22.00	22.00
GSM 850	Ant.0	33.00	33.00	33.00	33.00	33.00
GPRS850 1 Tx Slot	Ant.0	33.00	33.00	33.00	33.00	33.00
GPRS850 2 Tx Slot	Ant.0	31.00	31.00	31.00	31.00	31.00
GPRS850 3 Tx Slot	Ant.0	29.50	29.50	29.50	29.50	29.50
GPRS850 4 Tx Slot	Ant.0	28.50	28.50	28.50	28.50	28.50
EGPRS850 1 Tx Slot	Ant.0	28.00	28.00	28.00	28.00	28.00
EGPRS850 2 Tx Slot	Ant.0	25.00	25.00	25.00	25.00	25.00
EGPRS850 3 Tx Slot	Ant.0	23.00	23.00	23.00	23.00	23.00
EGPRS850 4 Tx Slot	Ant.0	22.00	22.00	22.00	22.00	22.00
GSM 900	Ant.1	33.50	33.50	33.50	33.50	33.50
GPRS900 1 Tx Slot	Ant.1	33.50	33.50	33.50	33.50	33.50
GPRS900 2 Tx Slot	Ant.1	31.00	31.00	31.00	31.00	31.00
GPRS900 3 Tx Slot	Ant.1	29.50	29.50	29.50	29.50	29.50
GPRS900 4 Tx Slot	Ant.1	28.50	28.50	28.50	28.50	28.50
EGPRS900 1 Tx Slot	Ant.1	28.00	28.00	28.00	28.00	28.00
EGPRS900 2 Tx Slot	Ant.1	25.00	25.00	25.00	25.00	25.00
EGPRS900 3 Tx Slot	Ant.1	23.00	23.00	23.00	23.00	23.00
EGPRS900 4 Tx Slot	Ant.1	22.00	22.00	22.00	22.00	22.00
GSM 900	Ant.0	33.00	33.00	33.00	33.00	33.00
GPRS900 1 Tx Slot	Ant.0	33.00	33.00	33.00	33.00	33.00
GPRS900 2 Tx Slot	Ant.0	31.00	31.00	31.00	31.00	31.00
GPRS900 3 Tx Slot	Ant.0	29.50	29.50	29.50	29.50	29.50
GPRS900 4 Tx Slot	Ant.0	28.50	28.50	28.50	28.50	28.50
EGPRS900 1 Tx Slot	Ant.0	28.00	28.00	28.00	28.00	28.00
EGPRS900 2 Tx Slot	Ant.0	25.00	25.00	25.00	25.00	25.00
EGPRS900 3 Tx Slot	Ant.0	23.00	23.00	23.00	23.00	23.00
EGPRS900 4 Tx Slot	Ant.0	22.00	22.00	22.00	22.00	22.00

GSM1900	Ant.1	30.50	24.50	23.50	30.50	30.50
GPRS1800 1 Tx Slot	Ant.1	30.50	24.50	23.50	30.50	30.50
GPRS1800 2 Tx Slot	Ant.1	28.50	22.50	21.50	28.50	28.50
GPRS1800 3 Tx Slot	Ant.1	26.00	20.00	19.00	26.00	26.00
GPRS1800 4 Tx Slot	Ant.1	25.00	19.00	18.00	25.00	25.00
EGPRS1800 1 Tx Slot	Ant.1	26.50	20.50	19.50	26.50	26.50
EGPRS1800 2 Tx Slot	Ant.1	24.00	18.00	17.00	24.00	24.00
EGPRS1800 3 Tx Slot	Ant.1	22.00	16.00	15.00	22.00	22.00
EGPRS1800 4 Tx Slot	Ant.1	21.00	15.00	14.00	21.00	21.00
GSM1900	Ant.2	30.00	30.00	30.00	30.50	30.00
GPRS1800 1 Tx Slot	Ant.2	30.00	30.00	30.00	30.50	30.00
GPRS1800 2 Tx Slot	Ant.2	28.00	28.00	28.00	28.50	28.00
GPRS1800 3 Tx Slot	Ant.2	26.50	26.50	26.50	26.00	26.50
GPRS1800 4 Tx Slot	Ant.2	25.50	25.50	25.50	25.00	25.50
EGPRS1800 1 Tx Slot	Ant.2	26.50	26.50	26.50	26.50	26.50
EGPRS1800 2 Tx Slot	Ant.2	24.00	24.00	24.00	24.00	24.00
EGPRS1800 3 Tx Slot	Ant.2	22.00	22.00	22.00	22.00	22.00
EGPRS1800 4 Tx Slot	Ant.2	21.00	21.00	21.00	21.00	21.00
WCDMA Band2 RMC	Ant.1	24.80	16.80	16.30	20.80	19.30
WCDMA Band2 AMR	Ant.1	24.80	16.80	16.30	20.80	19.30
HSDPA Subtest-1	Ant.1	24.30	16.30	15.80	20.30	18.80
HSDPA Subtest-2	Ant.1	24.30	16.30	15.80	20.30	18.80
HSDPA Subtest-3	Ant.1	23.80	15.80	15.30	19.80	18.30
HSDPA Subtest-4	Ant.1	23.80	15.80	15.30	19.80	18.30
DC-HSDPA Subtest-1	Ant.1	24.30	16.30	15.80	20.30	18.80
DC-HSDPA Subtest-2	Ant.1	24.30	16.30	15.80	20.30	18.80
DC-HSDPA Subtest-3	Ant.1	23.80	15.80	15.30	19.80	18.30
DC-HSDPA Subtest-4	Ant.1	23.80	15.80	15.30	19.80	18.30
HSUPA Subtest-1	Ant.1	23.30	15.30	14.80	19.30	17.80
HSUPA Subtest-2	Ant.1	23.30	15.30	14.80	19.30	17.80
HSUPA Subtest-3	Ant.1	23.30	15.30	14.80	19.30	17.80
HSUPA Subtest-4	Ant.1	22.80	14.80	14.30	18.80	17.30
HSUPA Subtest-5	Ant.1	24.30	16.30	15.80	20.30	18.80
WCDMA Band2 RMC	Ant.2	24.30	24.30	24.30	20.30	18.80
WCDMA Band2 AMR	Ant.2	24.30	24.30	24.30	20.30	18.80
HSDPA Subtest-1	Ant.2	23.80	23.80	23.80	19.80	18.30
HSDPA Subtest-2	Ant.2	23.80	23.80	23.80	19.80	18.30
HSDPA Subtest-3	Ant.2	23.30	23.30	23.30	19.30	17.80
HSDPA Subtest-4	Ant.2	23.30	23.30	23.30	19.30	17.80
DC-HSDPA Subtest-1	Ant.2	23.80	23.80	23.80	19.80	18.30
DC-HSDPA Subtest-2	Ant.2	23.80	23.80	23.80	19.80	18.30
DC-HSDPA Subtest-3	Ant.2	23.30	23.30	23.30	19.30	17.80
DC-HSDPA Subtest-4	Ant.2	23.30	23.30	23.30	19.30	17.80

HSUPA Subtest-1	Ant.2	22.80	22.80	22.80	18.80	17.30
HSUPA Subtest-2	Ant.2	22.80	22.80	22.80	18.80	17.30
HSUPA Subtest-3	Ant.2	22.80	22.80	22.80	18.80	17.30
HSUPA Subtest-4	Ant.2	22.30	22.30	22.30	18.30	16.80
HSUPA Subtest-5	Ant.2	23.80	23.80	23.80	19.80	18.30
WCDMA Band4 RMC	Ant.1	24.80	17.80	17.30	21.30	19.80
WCDMA Band4 AMR	Ant.1	24.80	17.80	17.30	21.30	19.80
HSDPA Subtest-1	Ant.1	24.30	17.30	16.80	20.80	19.30
HSDPA Subtest-2	Ant.1	24.30	17.30	16.80	20.80	19.30
HSDPA Subtest-3	Ant.1	23.80	16.80	16.30	20.30	18.80
HSDPA Subtest-4	Ant.1	23.80	16.80	16.30	20.30	18.80
DC-HSDPA Subtest-1	Ant.1	24.30	17.30	16.80	20.80	19.30
DC-HSDPA Subtest-2	Ant.1	24.30	17.30	16.80	20.80	19.30
DC-HSDPA Subtest-3	Ant.1	23.80	16.80	16.30	20.30	18.80
DC-HSDPA Subtest-4	Ant.1	23.80	16.80	16.30	20.30	18.80
HSUPA Subtest-1	Ant.1	23.30	16.30	15.80	19.80	18.30
HSUPA Subtest-2	Ant.1	23.30	16.30	15.80	19.80	18.30
HSUPA Subtest-3	Ant.1	23.30	16.30	15.80	19.80	18.30
HSUPA Subtest-4	Ant.1	22.80	15.80	15.30	19.30	17.80
HSUPA Subtest-5	Ant.1	24.30	17.30	16.80	20.80	19.30
WCDMA Band4 RMC	Ant.2	24.30	24.30	24.30	20.30	18.80
WCDMA Band4 AMR	Ant.2	24.30	24.30	24.30	20.30	18.80
HSDPA Subtest-1	Ant.2	23.80	23.80	23.80	19.80	18.30
HSDPA Subtest-2	Ant.2	23.80	23.80	23.80	19.80	18.30
HSDPA Subtest-3	Ant.2	23.30	23.30	23.30	19.30	17.80
HSDPA Subtest-4	Ant.2	23.30	23.30	23.30	19.30	17.80
DC-HSDPA Subtest-1	Ant.2	23.80	23.80	23.80	19.80	18.30
DC-HSDPA Subtest-2	Ant.2	23.80	23.80	23.80	19.80	18.30
DC-HSDPA Subtest-3	Ant.2	23.30	23.30	23.30	19.30	17.80
DC-HSDPA Subtest-4	Ant.2	23.30	23.30	23.30	19.30	17.80
HSUPA Subtest-1	Ant.2	22.80	22.80	22.80	18.80	17.30
HSUPA Subtest-2	Ant.2	22.80	22.80	22.80	18.80	17.30
HSUPA Subtest-3	Ant.2	22.80	22.80	22.80	18.80	17.30
HSUPA Subtest-4	Ant.2	22.30	22.30	22.30	18.30	16.80
HSUPA Subtest-5	Ant.2	23.80	23.80	23.80	19.80	18.30
WCDMA Band5 RMC	Ant.1	24.80	23.30	22.80	24.30	22.80
WCDMA Band5 AMR	Ant.1	24.80	23.30	22.80	24.30	22.80
HSDPA Subtest-1	Ant.1	24.30	22.80	22.30	23.80	22.30
HSDPA Subtest-2	Ant.1	24.30	22.80	22.30	23.80	22.30
HSDPA Subtest-3	Ant.1	23.80	22.30	21.80	23.30	21.80
HSDPA Subtest-4	Ant.1	23.80	22.30	21.80	23.30	21.80
DC-HSDPA Subtest-1	Ant.1	24.30	22.80	22.30	23.80	22.30
DC-HSDPA Subtest-2	Ant.1	24.30	22.80	22.30	23.80	22.30

DC-HSDPA Subtest-3	Ant.1	23.80	22.30	21.80	23.30	21.80
DC-HSDPA Subtest-4	Ant.1	23.80	22.30	21.80	23.30	21.80
HSUPA Subtest-1	Ant.1	23.30	21.80	21.30	22.80	21.30
HSUPA Subtest-2	Ant.1	21.80	20.30	19.80	21.30	19.80
HSUPA Subtest-3	Ant.1	23.30	21.80	21.30	22.80	21.30
HSUPA Subtest-4	Ant.1	21.80	20.30	19.80	21.30	19.80
HSUPA Subtest-5	Ant.1	23.80	22.30	21.80	23.30	21.80
WCDMA Band5 RMC	Ant.0	24.30	24.30	24.30	24.30	24.30
WCDMA Band5 AMR	Ant.0	24.30	24.30	24.30	24.30	24.30
HSDPA Subtest-1	Ant.0	23.80	23.80	23.80	23.80	23.80
HSDPA Subtest-2	Ant.0	23.80	23.80	23.80	23.80	23.80
HSDPA Subtest-3	Ant.0	23.30	23.30	23.30	23.30	23.30
HSDPA Subtest-4	Ant.0	23.30	23.30	23.30	23.30	23.30
DC-HSDPA Subtest-1	Ant.0	23.80	23.80	23.80	23.80	23.80
DC-HSDPA Subtest-2	Ant.0	23.80	23.80	23.80	23.80	23.80
DC-HSDPA Subtest-3	Ant.0	23.30	23.30	23.30	23.30	23.30
DC-HSDPA Subtest-4	Ant.0	23.30	23.30	23.30	23.30	23.30
HSUPA Subtest-1	Ant.0	22.80	22.80	22.80	22.80	22.80
HSUPA Subtest-2	Ant.0	22.80	22.80	22.80	22.80	22.80
HSUPA Subtest-3	Ant.0	22.80	22.80	22.80	22.80	22.80
HSUPA Subtest-4	Ant.0	22.30	22.30	22.30	22.30	22.30
HSUPA Subtest-5	Ant.0	23.80	23.80	23.80	23.80	23.80
WCDMA Band8 RMC	Ant.1	24.80	20.80	20.30	24.80	24.80
WCDMA Band8 AMR	Ant.1	24.80	20.80	20.30	24.80	24.80
HSDPA Subtest-1	Ant.1	24.30	20.30	19.80	24.30	24.30
HSDPA Subtest-2	Ant.1	24.30	20.30	19.80	24.30	24.30
HSDPA Subtest-3	Ant.1	23.80	19.80	19.30	23.80	23.80
HSDPA Subtest-4	Ant.1	23.80	19.80	19.30	23.80	23.80
DC-HSDPA Subtest-1	Ant.1	24.30	20.30	19.80	24.30	24.30
DC-HSDPA Subtest-2	Ant.1	24.30	20.30	19.80	24.30	24.30
DC-HSDPA Subtest-3	Ant.1	23.80	19.80	19.30	23.80	23.80
DC-HSDPA Subtest-4	Ant.1	23.80	19.80	19.30	23.80	23.80
HSUPA Subtest-1	Ant.1	23.30	19.30	18.80	23.30	23.30
HSUPA Subtest-2	Ant.1	21.80	17.80	17.30	21.80	21.80
HSUPA Subtest-3	Ant.1	23.30	19.30	18.80	23.30	23.30
HSUPA Subtest-4	Ant.1	21.80	17.80	17.30	21.80	21.80
HSUPA Subtest-5	Ant.1	23.80	19.80	19.30	23.80	23.80
WCDMA Band8 RMC	Ant.0	24.30	24.30	24.30	24.30	24.30
WCDMA Band8 AMR	Ant.0	24.30	24.30	24.30	24.30	24.30
HSDPA Subtest-1	Ant.0	23.80	23.80	23.80	23.80	23.80
HSDPA Subtest-2	Ant.0	23.80	23.80	23.80	23.80	23.80
HSDPA Subtest-3	Ant.0	23.30	23.30	23.30	23.30	23.30
HSDPA Subtest-4	Ant.0	23.30	23.30	23.30	23.30	23.30

DC-HSDPA Subtest-1	Ant.0	23.80	23.80	23.80	23.80	23.80
DC-HSDPA Subtest-2	Ant.0	23.80	23.80	23.80	23.80	23.80
DC-HSDPA Subtest-3	Ant.0	23.30	23.30	23.30	23.30	23.30
DC-HSDPA Subtest-4	Ant.0	23.30	23.30	23.30	23.30	23.30
HSUPA Subtest-1	Ant.0	22.80	22.80	22.80	22.80	22.80
HSUPA Subtest-2	Ant.0	22.80	22.80	22.80	22.80	22.80
HSUPA Subtest-3	Ant.0	22.80	22.80	22.80	22.80	22.80
HSUPA Subtest-4	Ant.0	22.30	22.30	22.30	22.30	22.30
HSUPA Subtest-5	Ant.0	23.80	23.80	23.80	23.80	23.80
WCDMA Band19 RMC	Ant.1	24.30	23.30	22.80	24.30	22.80
WCDMA Band19 AMR	Ant.1	24.30	23.30	22.80	24.30	22.80
HSDPA Subtest-1	Ant.1	23.80	22.80	22.30	23.80	22.30
HSDPA Subtest-2	Ant.1	23.80	22.80	22.30	23.80	22.30
HSDPA Subtest-3	Ant.1	23.30	22.30	21.80	23.30	21.80
HSDPA Subtest-4	Ant.1	23.30	22.30	21.80	23.30	21.80
DC-HSDPA Subtest-1	Ant.1	23.80	22.80	22.30	23.80	22.30
DC-HSDPA Subtest-2	Ant.1	23.80	22.80	22.30	23.80	22.30
DC-HSDPA Subtest-3	Ant.1	23.30	22.30	21.80	23.30	21.80
DC-HSDPA Subtest-4	Ant.1	23.30	22.30	21.80	23.30	21.80
HSUPA Subtest-1	Ant.1	22.80	21.80	21.30	22.80	21.30
HSUPA Subtest-2	Ant.1	21.30	20.30	19.80	21.30	19.80
HSUPA Subtest-3	Ant.1	22.80	21.80	21.30	22.80	21.30
HSUPA Subtest-4	Ant.1	21.30	20.30	19.80	21.30	19.80
HSUPA Subtest-5	Ant.1	23.30	22.30	21.80	23.30	21.80
WCDMA Band19 RMC	Ant.0	24.30	24.30	24.30	24.30	24.30
WCDMA Band19 AMR	Ant.0	24.30	24.30	24.30	24.30	24.30
HSDPA Subtest-1	Ant.0	23.80	23.80	23.80	23.80	23.80
HSDPA Subtest-2	Ant.0	23.80	23.80	23.80	23.80	23.80
HSDPA Subtest-3	Ant.0	23.30	23.30	23.30	23.30	23.30
HSDPA Subtest-4	Ant.0	23.30	23.30	23.30	23.30	23.30
DC-HSDPA Subtest-1	Ant.0	23.80	23.80	23.80	23.80	23.80
DC-HSDPA Subtest-2	Ant.0	23.80	23.80	23.80	23.80	23.80
DC-HSDPA Subtest-3	Ant.0	23.30	23.30	23.30	23.30	23.30
DC-HSDPA Subtest-4	Ant.0	23.30	23.30	23.30	23.30	23.30
HSUPA Subtest-1	Ant.0	22.80	22.80	22.80	22.80	22.80
HSUPA Subtest-2	Ant.0	22.80	22.80	22.80	22.80	22.80
HSUPA Subtest-3	Ant.0	22.80	22.80	22.80	22.80	22.80
HSUPA Subtest-4	Ant.0	22.30	22.30	22.30	22.30	22.30
HSUPA Subtest-5	Ant.0	23.80	23.80	23.80	23.80	23.80
LTE Band2	Ant.1	25.00	17.00	16.50	20.50	19.50
LTE Band2	Ant.2	24.50	24.50	24.50	20.50	19.50
LTE Band4	Ant.1	25.00	17.50	17.00	22.00	20.50
LTE Band4	Ant.2	24.50	24.50	24.50	20.00	18.50

LTE Band5	Ant.1	25.00	23.50	23.00	24.00	22.50
LTE Band5	Ant.0	25.00	25.00	25.00	25.00	25.00
LTE Band7	Ant.1	25.00	14.00	13.00	16.50	15.50
LTE Band7	Ant.2	24.50	24.50	24.50	21.50	20.50
LTE Band8	Ant.1	25.00	21.00	20.50	25.00	25.00
LTE Band8	Ant.0	24.50	24.50	24.50	23.50	22.50
LTE Band13	Ant.1	25.00	25.00	25.00	25.00	25.00
LTE Band13	Ant.0	24.50	24.50	24.50	24.00	22.50
LTE Band18	Ant.1	25.00	24.50	24.50	24.50	23.00
LTE Band18	Ant.0	24.50	24.50	24.50	24.50	24.50
LTE Band19	Ant.1	25.00	24.00	23.50	24.50	23.00
LTE Band19	Ant.0	24.50	24.50	24.50	24.50	24.50
LTE Band26	Ant.1	25.00	24.00	23.50	24.00	22.50
LTE Band26	Ant.0	24.50	24.50	24.50	24.50	24.50
LTE Band28	Ant.1	25.00	25.00	25.00	25.00	25.00
LTE Band28	Ant.0	24.50	24.50	24.50	24.50	24.50
LTE Band66	Ant.1	25.00	17.50	16.50	21.50	20.00
LTE Band66	Ant.2	24.50	24.50	24.50	20.00	18.50
LTE Band38	Ant.1	25.00	20.00	19.00	21.00	20.00
LTE Band38	Ant.2	24.50	24.50	24.50	24.50	24.50
LTE Band41	Ant.1	25.00	17.50	16.50	18.50	18.00
LTE Band41	Ant.2	24.50	24.50	24.50	24.00	22.50

WLAN Reduced Power Level Table

Reduced level	Receiver state	Transmitting	Antenna
		conditions	
Level 1	On (head scenario)	Only 2.4G/5G WIFI	Ant.7
Level 3	On (head scenario)	2.4G WIFI/5G WIFI/BT+WWAN	Ant.7
Level 2	Off (Body scenario)	Only 2.4G/5G WIFI	Ant.7
Level 4	Off (Body scenario)	2.4G WIFI/5G WIFI/BT+WWAN	Ant.7

WLAN Reduced Power Table

Mode	WLAN & BT Antenna.7				
	Full Power	Receiver on		Receiver off	
		Head		Body	
		Standalone	Simultaneous transmission	Standalone	Simultaneous transmission
			2.4G WIFI/5G WIFI/BT+WWAN		2.4G WIFI/5G WIFI/BT+WWAN
	Off	Level1	Level3	Level2	Level4
2.4G WLAN 802.11b	20.00	17.00	14.00	20.00	18.50
2.4G WLAN 802.11g	19.00	17.00	14.00	19.00	18.50
2.4G WLAN 802.11n20	19.00	17.00	14.00	19.00	18.50
2.4G WLAN 802.11n40	18.00	17.00	14.00	18.00	18.00
2.4G WLAN VHT20	19.00	17.00	14.00	19.00	18.50
2.4G WLAN VHT40	18.00	17.00	14.00	18.00	18.00
5.2&5.3G WLAN 802.11a	19.00	16.00	13.00	13.50	12.00
5.2&5.3G WLAN 802.11n20	19.00	16.00	13.00	13.50	12.00
5.2&5.3G WLAN 802.11n40	17.00	16.00	13.00	13.50	12.00
5.2&5.3G WLAN 802.11ac20	19.00	16.00	13.00	13.50	12.00
5.2&5.3G WLAN 802.11ac40	17.00	16.00	13.00	13.50	12.00
5.2&5.3G WLAN 802.11ac80	17.00	16.00	13.00	13.50	12.00
5.6G WLAN 802.11a	17.50	16.00	13.00	13.50	12.00
5.6G WLAN 802.11n20	17.50	16.00	13.00	13.50	12.00
5.6G WLAN 802.11n40	18.00	16.00	13.00	13.50	12.00
5.6G WLAN 802.11ac20	17.50	16.00	13.00	13.50	12.00
5.6G WLAN 802.11ac40	18.00	16.00	13.00	13.50	12.00
5.6G WLAN 802.11ac80	18.00	16.00	13.00	13.50	12.00
5.8G WLAN 802.11a	19.00	16.00	13.00	13.50	12.00
5.8G WLAN 802.11n20	19.00	16.00	13.00	13.50	12.00
5.8G WLAN 802.11n40	18.00	16.00	13.00	13.50	12.00
5.8G WLAN 802.11ac20	19.00	16.00	13.00	13.50	12.00
5.8G WLAN 802.11ac40	18.00	16.00	13.00	13.50	12.00
5.8G WLAN 802.11ac80	18.00	16.00	13.00	13.50	12.00
BT	13.50	13.50	13.50	13.50	13.50

8.2 GSM

Please refer the document "Ti-CC26010219-AP.pdf".

8.3 WCDMA

Please refer the document "Ti-CC26010219-AP.pdf".

8.4 LTE

Please refer the document "Ti-CC26010219-AP.pdf".

8.5 WIFI

Please refer the document "Ti-CC26010219-AP.pdf".

8.6 Bluetooth

Please refer the document "Ti-CC26010219-AP.pdf".

9 TEST EXCLUSION CONSIDERATION

For antenna location and support bands please refer the document “Ti-CC26010219-AI EUT internal photo.pdf”.

Antenna	Support Bands
Antenna 0	GSM 850/900; WCDMA Band5/8 LTE Band 5/8/13/18/19/26/28
Antenna 1	GSM 850/900/1900; WCDMA Band 2/4/5/8 LTE Band 2/4/5/7/8/13/18/19/26/28/66/38/41
Antenna 2	GSM 1900; WCDMA Band 2/4 LTE Band 2/4/7/66/38/41
Antenna 7	WiFi 2.4/5G; Bluetooth

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.7	<25	<25	>25	<25	<25	>25
Note: 1.Per KDB 941225 D06,When the overall length and width of a device is > 9 cm *5 cm, a test separation distance of 10 mm is required for hotspot mode SAR measurements and hotspot mode SAR is measured for all edges and surfaces of the device with a transmitting antenna located within 25 mm from that surface or edge.						

10 TEST RESULT

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

10.1 GSM 850

Band	DSI State	Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
GSM850	State 2	ANT1	GPRS 2Slot	Left Cheek	0	190	836.6	-0.10	0.439	29.09	29.50	1.099	0.482	/
GSM850	State 2	ANT1	GPRS 2Slot	Left Tilt	0	190	836.6	0.17	0.447	29.09	29.50	1.099	0.491	/
GSM850	State 2	ANT1	GPRS 2Slot	Right Cheek	0	190	836.6	0.10	0.449	29.09	29.50	1.099	0.493	/
GSM850	State 2	ANT1	GPRS 2Slot	Right Tilt	0	190	836.6	-0.08	0.452	29.09	29.50	1.099	0.497	1
GSM850	State 4	ANT1	GPRS 2Slot	Left Cheek	0	190	836.6	-0.09	0.410	28.53	29.00	1.114	0.457	/
GSM850	State 4	ANT1	GPRS 2Slot	Left Tilt	0	190	836.6	0.19	0.420	28.53	29.00	1.114	0.468	/
GSM850	State 4	ANT1	GPRS 2Slot	Right Cheek	0	190	836.6	-0.07	0.412	28.53	29.00	1.114	0.459	/
GSM850	State 4	ANT1	GPRS 2Slot	Right Tilt	0	190	836.6	-0.05	0.423	28.53	29.00	1.114	0.471	/
GSM850	State 2&4	ANT0	GPRS 4Slot	Left Cheek	0	190	836.6	-0.04	0.282	26.56	28.50	1.563	0.441	/
GSM850	State 2&4	ANT0	GPRS 4Slot	Left Tilt	0	190	836.6	-0.15	0.063	26.56	28.50	1.563	0.098	/
GSM850	State 2&4	ANT0	GPRS 4Slot	Right Cheek	0	190	836.6	-0.16	0.225	26.56	28.50	1.563	0.352	/
GSM850	State 2&4	ANT0	GPRS 4Slot	Right Tilt	0	190	836.6	-0.07	0.064	26.56	28.50	1.563	0.100	/
Body-Worn														
GSM850	State 1&3	ANT1	GPRS 2Slot	Front Side	15	190	836.6	0.10	0.091	29.94	31.00	1.278	0.116	/
GSM850	State 1&3	ANT1	GPRS 2Slot	Back Side	15	190	836.6	-0.05	0.139	29.94	31.00	1.278	0.178	/
GSM850	State 1&3	ANT0	GPRS 4Slot	Front Side	15	190	836.6	0.04	0.106	26.56	28.50	1.563	0.166	/
GSM850	State 1&3	ANT0	GPRS 4Slot	Back Side	15	190	836.6	-0.04	0.201	26.56	28.50	1.563	0.314	2

Hotspot														
GSM850	State 3	ANT1	GPRS 2Slot	Front Side	10	190	836.6	0.06	0.164	29.94	31.00	1.278	0.210	/
GSM850	State 3	ANT1	GPRS 2Slot	Back Side	10	190	836.6	-0.02	0.273	29.94	31.00	1.278	0.349	/
GSM850	State 3	ANT1	GPRS 2Slot	Left Edge	10	190	836.6	0.07	0.088	29.94	31.00	1.278	0.112	/
GSM850	State 3	ANT1	GPRS 2Slot	Right Edge	10	190	836.6	-0.17	0.079	29.94	31.00	1.278	0.101	/
GSM850	State 3	ANT1	GPRS 2Slot	Top Edge	10	190	836.6	0.07	0.211	29.94	31.00	1.278	0.270	/
GSM850	State 3	ANT0	GPRS 4Slot	Front Side	10	190	848.8	0.12	0.183	26.56	28.50	1.563	0.286	/
GSM850	State 3	ANT0	GPRS 4Slot	Back Side	10	190	848.8	-0.19	0.361	26.56	28.50	1.563	0.564	/
GSM850	State 3	ANT0	GPRS 4Slot	Left Edge	10	190	848.8	-0.06	0.523	26.56	28.50	1.563	0.818	3
GSM850	State 3	ANT0	GPRS 4Slot	Top Edge	10	190	848.8	0.16	0.018	25.97	27.50	1.422	0.026	/
GSM850	State 3	ANT0	GPRS 4Slot	Bottom Edge	10	190	836.6	-0.16	0.015	26.56	28.50	1.563	0.023	/
GSM850	State 3	ANT0	GPRS 4Slot	Left Edge	10	128	824.2	0.05	0.486	26.51	28.50	1.581	0.768	/
GSM850	State 3	ANT0	GPRS 4Slot	Left Edge	10	251	848.8	-0.02	0.492	26.54	28.50	1.570	0.773	/

10.2 GSM 900

Band	DSI State	Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift(dB)	1 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
GSM900	State 2&4	ANT1	GPRS 4Slot	Left Cheek	0	38	897.6	0.12	0.303	26.78	28.50	1.486	0.450	/
GSM900	State 2&4	ANT1	GPRS 4Slot	Left Tilt	0	38	897.6	-0.10	0.318	26.78	28.50	1.486	0.473	/
GSM900	State 2&4	ANT1	GPRS 4Slot	Right Cheek	0	38	897.6	0.08	0.416	26.78	28.50	1.486	0.618	/
GSM900	State 2&4	ANT1	GPRS 4Slot	Right Tilt	0	38	897.6	-0.18	0.479	26.78	28.50	1.486	0.712	4
GSM900	State 2&4	ANT0	GPRS 4Slot	Left Cheek	0	38	897.6	-0.16	0.334	26.62	28.50	1.542	0.515	/
GSM900	State 2&4	ANT0	GPRS 4Slot	Left Tilt	0	38	897.6	0.18	0.052	26.62	28.50	1.542	0.080	/
GSM900	State 2&4	ANT0	GPRS 4Slot	Right Cheek	0	38	897.6	0.08	0.166	26.62	28.50	1.542	0.256	/
GSM900	State 2&4	ANT0	GPRS 4Slot	Right Tilt	0	38	897.6	0.04	0.054	26.62	28.50	1.542	0.083	/
Body-Worn														
GSM900	State 1&3	ANT1	GPRS 4Slot	Front Side	15	38	897.6	-0.17	0.054	26.78	28.50	1.486	0.080	/
GSM900	State 1&3	ANT1	GPRS 4Slot	Back Side	15	38	897.6	-0.18	0.081	26.78	28.50	1.486	0.120	/
GSM900	State 1&3	ANT0	GPRS 4Slot	Front Side	15	38	897.6	0.16	0.063	26.62	28.50	1.542	0.097	/
GSM900	State 1&3	ANT0	GPRS 4Slot	Back Side	15	38	897.6	-0.06	0.143	26.62	28.50	1.542	0.220	5
Hotspot														
GSM900	State 3	ANT1	GPRS 4Slot	Front Side	10	38	897.6	0.10	0.095	26.78	28.50	1.486	0.141	/
GSM900	State 3	ANT1	GPRS 4Slot	Back Side	10	38	897.6	0.11	0.151	26.78	28.50	1.486	0.224	/
GSM900	State 3	ANT1	GPRS 4Slot	Left Edge	10	38	897.6	0.04	0.054	26.78	28.50	1.486	0.080	/
GSM900	State 3	ANT1	GPRS 4Slot	Right Edge	10	38	897.6	-0.17	0.037	26.78	28.50	1.486	0.055	/
GSM900	State 3	ANT1	GPRS 4Slot	Top Edge	10	38	897.6	-0.11	0.144	26.78	28.50	1.486	0.214	/

GSM900	State 3	ANT1	GPRS 4Slot	Bottom Edge	10	38	897.6	0.14	0.028	0.00	1.50	1.413	0.040	/
GSM900	State 3	ANT0	GPRS 4Slot	Front Side	10	38	897.6	-0.08	0.105	26.62	28.50	1.542	0.162	/
GSM900	State 3	ANT0	GPRS 4Slot	Back Side	10	38	897.6	0.08	0.225	26.62	28.50	1.542	0.347	/
GSM900	State 3	ANT0	GPRS 4Slot	Left Edge	10	38	897.6	-0.12	0.349	26.62	28.50	1.542	0.538	6
GSM900	State 3	ANT0	GPRS 4Slot	Right Edge	10	38	897.6		0.027	0.00	1.50	1.413	0.038	/
GSM900	State 3	ANT0	GPRS 4Slot	Top Edge	10	38	897.6	0.12	0.027	0.00	1.50	1.413	0.038	/
GSM900	State 3	ANT0	GPRS 4Slot	Bottom Edge	10	38	897.6	-0.05	0.027	26.62	28.50	1.542	0.042	/

10.3 GSM 1900

Band	DSI State	Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift(dB)	1 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
GSM1900	State 2	ANT1	GPRS 2Slot	Left Cheek	0	661	1880	0.05	0.255	22.10	22.50	1.096	0.280	/
GSM1900	State 2	ANT1	GPRS 2Slot	Left Tilt	0	661	1880	-0.07	0.264	22.10	22.50	1.096	0.289	/
GSM1900	State 2	ANT1	GPRS 2Slot	Right Cheek	0	661	1880	-0.03	0.365	22.10	22.50	1.096	0.400	/
GSM1900	State 2	ANT1	GPRS 2Slot	Right Tilt	0	661	1880	-0.06	0.488	22.10	22.50	1.096	0.535	7
GSM1900	State 4	ANT1	GPRS 2Slot	Left Cheek	0	661	1880	-0.03	0.210	21.19	21.50	1.074	0.226	/
GSM1900	State 4	ANT1	GPRS 2Slot	Left Tilt	0	661	1880	-0.03	0.200	21.19	21.50	1.074	0.215	/
GSM1900	State 4	ANT1	GPRS 2Slot	Right Cheek	0	661	1880	-0.07	0.258	21.19	21.50	1.074	0.277	/
GSM1900	State 4	ANT1	GPRS 2Slot	Right Tilt	0	661	1880	-0.09	0.300	21.19	21.50	1.074	0.322	/
GSM1900	State 2&4	ANT2	GPRS 4Slot	Left Cheek	0	810	1909.8	-0.07	0.028	23.93	25.50	1.435	0.040	/
GSM1900	State 2&4	ANT2	GPRS 4Slot	Left Tilt	0	810	1909.8	0.02	0.012	23.93	25.50	1.435	0.017	/
GSM1900	State 2&4	ANT2	GPRS 4Slot	Right Cheek	0	810	1909.8	-0.12	0.060	23.93	25.50	1.435	0.086	/
GSM1900	State 2&4	ANT2	GPRS 4Slot	Right Tilt	0	810	1909.8	0.17	0.021	23.93	25.50	1.435	0.030	/
Body-Worn														
GSM1900	State 1&3	ANT1	GPRS 2Slot	Front Side	15	661	1880	0.12	0.215	26.54	28.50	1.570	0.338	/
GSM1900	State 1&3	ANT1	GPRS 2Slot	Back Side	15	661	1880	-0.12	0.368	26.54	28.50	1.570	0.578	8
GSM1900	State 1&3	ANT1	GPRS 2Slot	Back Side	15	661	1880	0.11	0.345	26.54	28.50	1.570	0.542	Secondary supply
GSM1900	State 1&3	ANT2	GPRS 4Slot	Front Side	15	810	1909.8	-0.12	0.142	23.93	25.50	1.435	0.204	/
GSM1900	State 1&3	ANT2	GPRS 4Slot	Back Side	15	810	1909.8	-0.05	0.265	23.93	25.50	1.435	0.380	/
Hotspot														

GSM1900	State 3	ANT1	GPRS 2Slot	Front Side	10	661	1880	-0.08	0.343	26.54	28.50	1.570	0.539	/
GSM1900	State 3	ANT1	GPRS 2Slot	Back Side	10	661	1880	-0.16	0.462	26.54	28.50	1.570	0.726	/
GSM1900	State 3	ANT1	GPRS 2Slot	Left Edge	10	661	1880	-0.05	0.140	26.54	28.50	1.570	0.220	/
GSM1900	State 3	ANT1	GPRS 2Slot	Right Edge	10	661	1880	0.07	0.031	26.54	28.50	1.570	0.049	/
GSM1900	State 3	ANT1	GPRS 2Slot	Top Edge	10	661	1880	-0.01	0.561	26.54	28.50	1.570	0.881	/
GSM1900	State 3	ANT1	GPRS 2Slot	Bottom Edge	10	661	1880	-0.11	0.018	0.00	1.50	1.413	0.025	/
GSM1900	State 3	ANT2	GPRS 4Slot	Front Side	10	810	1909.8	-0.11	0.186	23.93	25.50	1.435	0.267	/
GSM1900	State 3	ANT2	GPRS 4Slot	Back Side	10	810	1909.8	-0.05	0.465	23.93	25.50	1.435	0.668	/
GSM1900	State 3	ANT2	GPRS 4Slot	Left Edge	10	810	1909.8	-0.09	0.027	23.93	25.50	1.435	0.039	/
GSM1900	State 3	ANT2	GPRS 4Slot	Right Edge	10	810	1909.8	0.02	0.050	23.93	25.50	1.435	0.072	/
GSM1900	State 3	ANT2	GPRS 4Slot	Top Edge	10	810	1909.8	0.05	0.022	0.00	1.50	1.413	0.031	/
GSM1900	State 3	ANT2	GPRS 4Slot	Bottom Edge	10	810	1909.8	-0.03	0.578	23.93	25.50	1.435	0.830	/
GSM1900	State 3	ANT2	GPRS 4Slot	Bottom Edge	10	512	1850.2	0.04	0.524	23.51	25.50	1.581	0.829	/
GSM1900	State 3	ANT2	GPRS 4Slot	Bottom Edge	10	661	1880	0.03	0.582	23.55	25.50	1.567	0.912	9

10.4WCDMA Band 2

Band	DSI State	Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift(dB)	1 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
WCDMAB2	State 2	ANT1	RMC	Left Cheek	0	9400	1880	-0.04	0.282	15.91	16.80	1.227	0.346	/
WCDMAB2	State 2	ANT1	RMC	Left Tilt	0	9400	1880	0.01	0.333	15.91	16.80	1.227	0.409	/
WCDMAB2	State 2	ANT1	RMC	Right Cheek	0	9400	1880	-0.04	0.520	15.91	16.80	1.227	0.638	/
WCDMAB2	State 2	ANT1	RMC	Right Tilt	0	9400	1880	0.07	0.810	15.91	16.80	1.227	0.994	10
WCDMAB2	State 2	ANT1	RMC	Right Tilt	0	9400	1880	0.07	0.802	15.91	16.80	1.227	0.984	Repeat
WCDMAB2	State 2	ANT1	RMC	Right Tilt	0	9262	1852.4	0.01	0.780	15.86	16.80	1.242	0.968	/
WCDMAB2	State 2	ANT1	RMC	Right Tilt	0	9538	1907.6	0.05	0.770	15.75	16.80	1.274	0.981	/
WCDMAB2	State 4	ANT1	RMC	Left Cheek	0	9262	1852.4	-0.15	0.251	15.93	16.30	1.089	0.273	/
WCDMAB2	State 4	ANT1	RMC	Left Tilt	0	9262	1852.4	0.13	0.297	15.93	16.30	1.089	0.323	/
WCDMAB2	State 4	ANT1	RMC	Right Cheek	0	9262	1852.4	-0.19	0.434	15.93	16.30	1.089	0.473	/
WCDMAB2	State 4	ANT1	RMC	Right Tilt	0	9262	1852.4	0.17	0.496	15.93	16.30	1.089	0.540	/
WCDMAB2	State 2&4	ANT2	RMC	Left Cheek	0	9538	1907.6	-0.18	0.095	24.27	24.30	1.007	0.096	/
WCDMAB2	State 2&4	ANT2	RMC	Left Tilt	0	9538	1907.6	0.08	0.091	24.27	24.30	1.007	0.092	/
WCDMAB2	State 2&4	ANT2	RMC	Right Cheek	0	9538	1907.6	-0.01	0.139	24.27	24.30	1.007	0.140	/
WCDMAB2	State 2&4	ANT2	RMC	Right Tilt	0	9538	1907.6	-0.16	0.100	24.27	24.30	1.007	0.101	/
Body-Worn														
WCDMAB2	State 1	ANT1	RMC	Front Side	15	9400	1880	0.12	0.112	19.41	20.80	1.377	0.154	/
WCDMAB2	State 1	ANT1	RMC	Back Side	15	9400	1880	0.06	0.363	19.41	20.80	1.377	0.500	11
WCDMAB2	State 3	ANT1	RMC	Front Side	15	9400	1880	-0.09	0.098	18.09	19.30	1.321	0.129	/
WCDMAB2	State 3	ANT1	RMC	Back Side	15	9400	1880	0.06	0.216	18.09	19.30	1.321	0.285	/
WCDMAB2	State 1	ANT2	RMC	Front Side	15	9262	1852.4	0.10	0.050	19.65	20.30	1.161	0.058	/
WCDMAB2	State 1	ANT2	RMC	Back Side	15	9262	1852.4	0.18	0.107	19.65	20.30	1.161	0.124	/
WCDMAB2	State 3	ANT2	RMC	Front Side	15	9262	1852.4	0.13	0.044	18.09	18.80	1.178	0.052	/
WCDMAB2	State 3	ANT2	RMC	Back Side	15	9262	1852.4	0.11	0.095	18.09	18.80	1.178	0.112	/
Hotspot														
WCDMAB2	State 3	ANT1	RMC	Front Side	10	9400	1880	0.16	0.214	18.09	19.30	1.321	0.283	/
WCDMAB2	State 3	ANT1	RMC	Back Side	10	9400	1880	0.05	0.268	18.09	19.30	1.321	0.354	/
WCDMAB2	State 3	ANT1	RMC	Left Edge	10	9400	1880	-0.07	0.067	18.09	19.30	1.321	0.089	/
WCDMAB2	State 3	ANT1	RMC	Right Edge	10	9400	1880	0.16	0.001	18.09	19.30	1.321	0.001	/
WCDMAB2	State 3	ANT1	RMC	Top Edge	10	9400	1880	-0.01	0.464	18.09	19.30	1.321	0.613	12
WCDMAB2	State 3	ANT2	RMC	Front Side	10	9262	1852.4	0.04	0.094	18.09	18.80	1.178	0.111	/
WCDMAB2	State 3	ANT2	RMC	Back Side	10	9262	1852.4	0.16	0.209	18.09	18.80	1.178	0.246	/
WCDMAB2	State 3	ANT2	RMC	Left Edge	10	9262	1852.4	0.05	0.001	18.09	18.80	1.178	0.001	/
WCDMAB2	State 3	ANT2	RMC	Right Edge	10	9262	1852.4	-0.07	0.001	18.09	18.80	1.178	0.001	/
WCDMAB2	State 3	ANT2	RMC	Bottom Edge	10	9262	1852.4	0.04	0.282	18.09	18.80	1.178	0.332	/

Band	DSI State	Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift(dB)	10 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific														
WCDMAB2	State 1	ANT1	RMC	Back Side	0	9400	1880	0.08	1.330	19.41	20.80	1.377	1.832	13
WCDMAB2	State 1	ANT1	RMC	Top Edge	0	9400	1880	0.02	0.928	19.41	20.80	1.377	1.278	/
WCDMAB2	State 3	ANT1	RMC	Back Side	0	9400	1880	0.19	0.789	18.09	19.30	1.321	1.043	/
WCDMAB2	State 3	ANT1	RMC	Top Edge	0	9400	1880	0.18	0.657	18.09	19.30	1.321	0.868	/
WCDMAB2	State 1	ANT2	RMC	Bottom Edge	0	9262	1852.4	-0.12	0.944	19.65	20.30	1.161	1.096	/
WCDMAB2	State 3	ANT2	RMC	Bottom Edge	0	9262	1852.4	-0.02	0.668	18.09	18.80	1.178	0.787	/

10.5WCDMA Band 4

Band	DSI State	Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift(dB)	1 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
WCDMAB4	State 2	ANT1	RMC	Left Cheek	0	1412	1732.4	0.12	0.256	16.92	17.80	1.225	0.314	/
WCDMAB4	State 2	ANT1	RMC	Left Tilt	0	1412	1732.4	0.05	0.309	16.92	17.80	1.225	0.378	/
WCDMAB4	State 2	ANT1	RMC	Right Cheek	0	1412	1732.4	0.03	0.580	16.92	17.80	1.225	0.710	14
WCDMAB4	State 2	ANT1	RMC	Right Tilt	0	1412	1732.4	0.17	0.391	16.92	17.80	1.225	0.479	/
WCDMAB4	State 4	ANT1	RMC	Left Cheek	0	1513	1752.6	-0.02	0.228	16.40	17.30	1.230	0.281	/
WCDMAB4	State 4	ANT1	RMC	Left Tilt	0	1513	1752.6	-0.12	0.276	16.40	17.30	1.230	0.340	/
WCDMAB4	State 4	ANT1	RMC	Right Cheek	0	1513	1752.6	0.03	0.353	16.40	17.30	1.230	0.434	/
WCDMAB4	State 4	ANT1	RMC	Right Tilt	0	1513	1752.6	0.07	0.349	16.40	17.30	1.230	0.429	/
WCDMAB4	State 2&4	ANT2	RMC	Left Cheek	0	1412	1732.4	0.13	0.069	24.10	24.30	1.047	0.072	/
WCDMAB4	State 2&4	ANT2	RMC	Left Tilt	0	1412	1732.4	0.03	0.057	24.10	24.30	1.047	0.060	/
WCDMAB4	State 2&4	ANT2	RMC	Right Cheek	0	1412	1732.4	0.06	0.097	24.10	24.30	1.047	0.102	/
WCDMAB4	State 2&4	ANT2	RMC	Right Tilt	0	1412	1732.4	0.04	0.044	24.10	24.30	1.047	0.046	/
Body-Worn														
WCDMAB4	State 1	ANT1	RMC	Front Side	15	1312	1712.4	0.07	0.092	20.42	21.30	1.225	0.113	/
WCDMAB4	State 1	ANT1	RMC	Back Side	15	1312	1712.4	0.18	0.106	20.42	21.30	1.225	0.130	/
WCDMAB4	State 3	ANT1	RMC	Front Side	15	1412	1732.4	0.07	0.065	19.09	19.80	1.178	0.077	/
WCDMAB4	State 3	ANT1	RMC	Back Side	15	1412	1732.4	0.18	0.075	19.09	19.80	1.178	0.088	/
WCDMAB4	State 1	ANT2	RMC	Front Side	15	1412	1732.4	-0.15	0.059	19.89	20.30	1.099	0.065	/
WCDMAB4	State 1	ANT2	RMC	Back Side	15	1412	1732.4	-0.05	0.181	19.89	20.30	1.099	0.199	15
WCDMAB4	State 3	ANT2	RMC	Front Side	15	1412	1732.4	-0.15	0.041	18.46	18.80	1.081	0.044	/
WCDMAB4	State 3	ANT2	RMC	Back Side	15	1412	1732.4	-0.05	0.081	18.46	18.80	1.081	0.088	/
Hotspot														
WCDMAB4	State 3	ANT1	RMC	Front Side	10	1412	1732.4	0.12	0.122	19.09	19.80	1.178	0.144	/
WCDMAB4	State 3	ANT1	RMC	Back Side	10	1412	1732.4	0.05	0.147	19.09	19.80	1.178	0.173	/
WCDMAB4	State 3	ANT1	RMC	Left Edge	10	1412	1732.4	-0.03	0.049	19.09	19.80	1.178	0.058	/
WCDMAB4	State 3	ANT1	RMC	Right Edge	10	1412	1732.4	-0.09	0.022	19.09	19.80	1.178	0.026	/
WCDMAB4	State 3	ANT1	RMC	Top Edge	10	1412	1732.4	-0.18	0.191	19.09	19.80	1.178	0.225	/
WCDMAB4	State 3	ANT2	RMC	Front Side	10	1412	1732.4	-0.03	0.078	18.46	18.80	1.081	0.084	/
WCDMAB4	State 3	ANT2	RMC	Back Side	10	1412	1732.4	0.17	0.171	18.46	18.80	1.081	0.185	/
WCDMAB4	State 3	ANT2	RMC	Left Edge	10	1412	1732.4	0.04	0.015	18.46	18.80	1.081	0.016	/
WCDMAB4	State 3	ANT2	RMC	Right Edge	10	1412	1732.4	-0.12	0.022	18.46	18.80	1.081	0.024	/
WCDMAB4	State 3	ANT2	RMC	Bottom Edge	10	1412	1732.4	0.02	0.332	18.46	18.80	1.081	0.359	16

10.6WCDMA Band 5

Band	DSI State	Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
WCDMAB5	State 2	ANT1	RMC	Left Cheek	0	4182	836.4	-0.15	0.350	22.38	23.30	1.236	0.433	/
WCDMAB5	State 2	ANT1	RMC	Left Tilt	0	4182	836.4	0.06	0.379	22.38	23.30	1.236	0.468	/
WCDMAB5	State 2	ANT1	RMC	Right Cheek	0	4182	836.4	-0.11	0.447	22.38	23.30	1.236	0.552	/
WCDMAB5	State 2	ANT1	RMC	Right Tilt	0	4182	836.4	-0.09	0.458	22.38	23.30	1.236	0.566	/
WCDMAB5	State 4	ANT1	RMC	Left Cheek	0	4182	836.4	-0.06	0.312	21.79	22.80	1.262	0.394	/
WCDMAB5	State 4	ANT1	RMC	Left Tilt	0	4182	836.4	0.11	0.338	21.79	22.80	1.262	0.426	/
WCDMAB5	State 4	ANT1	RMC	Right Cheek	0	4182	836.4	0.11	0.440	21.79	22.80	1.262	0.555	/
WCDMAB5	State 4	ANT1	RMC	Right Tilt	0	4182	836.4	0.01	0.441	21.79	22.80	1.262	0.556	/
WCDMAB5	State 2&4	ANT0	RMC	Left Cheek	0	4182	836.4	0.11	0.473	23.51	24.30	1.199	0.567	17
WCDMAB5	State 2&4	ANT0	RMC	Left Tilt	0	4182	836.4	-0.03	0.123	23.51	24.30	1.199	0.148	/
WCDMAB5	State 2&4	ANT0	RMC	Right Cheek	0	4182	836.4	0.19	0.365	23.51	24.30	1.199	0.438	/
WCDMAB5	State 2&4	ANT0	RMC	Right Tilt	0	4182	836.4	0.09	0.112	23.51	24.30	1.199	0.134	/
Body-Worn														
WCDMAB5	State 1	ANT1	RMC	Front Side	15	4182	836.4	0.06	0.029	23.11	24.30	1.315	0.038	/
WCDMAB5	State 1	ANT1	RMC	Back Side	15	4182	836.4	0.05	0.055	23.11	24.30	1.315	0.072	/
WCDMAB5	State 3	ANT1	RMC	Front Side	15	4182	836.4	0.19	0.021	21.79	22.80	1.262	0.026	/
WCDMAB5	State 3	ANT1	RMC	Back Side	15	4182	836.4	0.17	0.039	21.79	22.80	1.262	0.049	/
WCDMAB5	State 1&3	ANT0	RMC	Front Side	15	4182	836.4	-0.03	0.126	23.51	24.30	1.199	0.151	/
WCDMAB5	State 1&3	ANT0	RMC	Back Side	15	4182	836.4	0.01	0.288	23.51	24.30	1.199	0.345	18
Hotspot														
WCDMAB5	State 3	ANT1	RMC	Front Side	10	4182	836.4	-0.19	0.044	21.79	22.80	1.262	0.056	/
WCDMAB5	State 3	ANT1	RMC	Back Side	10	4182	836.4	0.02	0.081	21.79	22.80	1.262	0.102	/
WCDMAB5	State 3	ANT1	RMC	Left Edge	10	4182	836.4	0.03	0.027	21.79	22.80	1.262	0.034	/
WCDMAB5	State 3	ANT1	RMC	Right Edge	10	4182	836.4	-0.1	0.024	21.79	22.80	1.262	0.030	/
WCDMAB5	State 3	ANT1	RMC	Top Edge	10	4182	836.4	-0.03	0.070	21.79	22.80	1.262	0.088	/
WCDMAB5	State 3	ANT0	RMC	Front Side	10	4182	836.4	0.17	0.268	23.51	24.30	1.199	0.321	/
WCDMAB5	State 3	ANT0	RMC	Back Side	10	4182	836.4	-0.05	0.450	23.51	24.30	1.199	0.540	/
WCDMAB5	State 3	ANT0	RMC	Left Edge	10	4182	836.4	-0.12	0.815	23.51	24.30	1.199	0.978	19
WCDMAB5	State 3	ANT0	RMC	Left Edge	10	4182	836.4	-0.12	0.802	23.51	24.30	1.199	0.962	Repeat
WCDMAB5	State 3	ANT0	RMC	Bottom Edge	10	4182	836.4	-0.04	0.050	23.51	24.30	1.199	0.060	/
WCDMAB5	State 3	ANT0	RMC	Bottom Edge	10	4132	826.4	-0.11	0.752	23.51	24.30	1.199	0.902	/
WCDMAB5	State 3	ANT0	RMC	Bottom Edge	10	4233	846.6	0.05	0.701	23.02	24.30	1.343	0.941	/

10.7WCDMA Band 8

Band	DSI State	Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift(dB)	1 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
WCDMAB8	State 2	ANT1	RMC	Left Cheek	0	2787	897.4	0.11	0.334	19.89	20.80	1.233	0.412	/
WCDMAB8	State 2	ANT1	RMC	Left Tilt	0	2787	897.4	-0.06	0.353	19.89	20.80	1.233	0.435	/
WCDMAB8	State 2	ANT1	RMC	Right Cheek	0	2787	897.4	0.03	0.438	19.89	20.80	1.233	0.540	/
WCDMAB8	State 2	ANT1	RMC	Right Tilt	0	2787	897.4	-0.18	0.503	19.89	20.80	1.233	0.620	20
WCDMAB8	State 4	ANT1	RMC	Left Cheek	0	2712	882.4	0.07	0.298	19.42	20.30	1.225	0.365	/
WCDMAB8	State 4	ANT1	RMC	Left Tilt	0	2712	882.4	-0.14	0.314	19.42	20.30	1.225	0.385	/
WCDMAB8	State 4	ANT1	RMC	Right Cheek	0	2712	882.4	0.01	0.390	19.42	20.30	1.225	0.478	/
WCDMAB8	State 4	ANT1	RMC	Right Tilt	0	2712	882.4	0.08	0.480	19.42	20.30	1.225	0.588	/
WCDMAB8	State 2&4	ANT0	RMC	Left Cheek	0	2787	897.4	-0.15	0.473	23.47	24.30	1.211	0.573	/
WCDMAB8	State 2&4	ANT0	RMC	Left Tilt	0	2787	897.4	0.03	0.105	23.47	24.30	1.211	0.127	/
WCDMAB8	State 2&4	ANT0	RMC	Right Cheek	0	2787	897.4	-0.13	0.326	23.47	24.30	1.211	0.395	/
WCDMAB8	State 2&4	ANT0	RMC	Right Tilt	0	2787	897.4	0.04	0.105	23.47	24.30	1.211	0.127	/
Body-Worn														
WCDMAB8	State 1&3	ANT1	RMC	Front Side	15	2712	882.4	0.04	0.088	24.00	24.80	1.202	0.106	/
WCDMAB8	State 1&3	ANT1	RMC	Back Side	15	2712	882.4	-0.19	0.144	24.00	24.80	1.202	0.173	/
WCDMAB8	State 1&3	ANT0	RMC	Front Side	15	2787	897.4	0.17	0.134	23.47	24.30	1.211	0.162	/
WCDMAB8	State 1&3	ANT0	RMC	Back Side	15	2787	897.4	-0.11	0.317	23.47	24.30	1.211	0.384	21
Hotspot														
WCDMAB8	State 3	ANT1	RMC	Front Side	10	2712	882.4	-0.03	0.163	24.00	24.80	1.202	0.196	/
WCDMAB8	State 3	ANT1	RMC	Back Side	10	2712	882.4	-0.12	0.288	24.00	24.80	1.202	0.346	/
WCDMAB8	State 3	ANT1	RMC	Left Edge	10	2712	882.4	-0.18	0.078	24.00	24.80	1.202	0.094	/
WCDMAB8	State 3	ANT1	RMC	Right Edge	10	2712	882.4	0.14	0.066	24.00	24.80	1.202	0.079	/
WCDMAB8	State 3	ANT1	RMC	Top Edge	10	2712	882.4	0.15	0.235	24.00	24.80	1.202	0.283	/
WCDMAB8	State 3	ANT0	RMC	Front Side	10	2787	897.4	-0.17	0.200	23.47	24.30	1.211	0.242	/
WCDMAB8	State 3	ANT0	RMC	Back Side	10	2787	897.4	-0.09	0.358	23.47	24.30	1.211	0.433	/
WCDMAB8	State 3	ANT0	RMC	Left Edge	10	2787	897.4	-0.07	0.791	23.47	24.30	1.211	0.958	22
WCDMAB8	State 3	ANT0	RMC	Bottom Edge	10	2787	897.4	0.03	0.025	23.47	24.30	1.211	0.030	/
WCDMAB8	State 3	ANT0	RMC	Bottom Edge	10	2712	882.4	0.04	0.780	23.46	24.30	1.213	0.946	/
WCDMAB8	State 3	ANT0	RMC	Bottom Edge	10	2863	912.6	-0.01	0.685	22.95	24.30	1.365	0.935	/

10.8LTE Band 2 (20MHz Bandwidth)

Band	DSI State	Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Bandwidth	RB Num.	RB Start	Power Drift(dB)	1 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
LTEB2	State 2	ANT1	QPSK	Left Cheek	0	19100	1890	20	1	MID	-0.10	0.341	16.52	17.00	1.117	0.381	/
LTEB2	State 2	ANT1	QPSK	Left Tilt	0	19100	1890	20	1	MID	-0.03	0.417	16.52	17.00	1.117	0.466	/
LTEB2	State 2	ANT1	QPSK	Right Cheek	0	19100	1890	20	1	MID	0.01	0.546	16.52	17.00	1.117	0.610	/
LTEB2	State 2	ANT1	QPSK	Right Tilt	0	18900	1880	20	1	MID	0.03	0.919	16.52	17.00	1.117	1.026	23
LTEB2	State 2	ANT1	QPSK	Right Tilt	0	18900	1880	20	1	MID	0.03	0.905	16.52	17.00	1.117	1.011	Repeat
LTEB2	State 2	ANT1	QPSK	Right Tilt	0	18700	1870	20	1	LOW	0.12	0.850	16.41	17.00	1.146	0.974	/
LTEB2	State 2	ANT1	QPSK	Right Tilt	0	19100	1890	20	1	LOW	-0.08	0.870	16.37	17.00	1.156	1.006	/
LTEB2	State 2	ANT1	QPSK	Left Cheek	0	19100	1890	20	50	MID	-0.05	0.335	16.49	17.00	1.125	0.377	/
LTEB2	State 2	ANT1	QPSK	Left Tilt	0	19100	1890	20	50	MID	0.03	0.408	16.49	17.00	1.125	0.459	/
LTEB2	State 2	ANT1	QPSK	Right Cheek	0	19100	1890	20	50	MID	-0.04	0.532	16.49	17.00	1.125	0.598	/
LTEB2	State 2	ANT1	QPSK	Right Tilt	0	19100	1890	20	50	MID	0.05	0.875	16.49	17.00	1.125	0.984	/
LTEB2	State 2	ANT1	QPSK	Right Tilt	0	18700	1870	20	50	MID	0.04	0.835	16.49	17.00	1.125	0.939	/
LTEB2	State 2	ANT1	QPSK	Right Tilt	0	18900	1880	20	50	HIGH	-0.01	0.846	16.48	17.00	1.127	0.954	/
LTEB2	State 2	ANT1	QPSK	Right Tilt	0	18900	1880	20	100	MID	0.05	0.834	16.32	17.00	1.169	0.975	/
LTEB2	State 4	ANT1	QPSK	Left Cheek	0	18900	1880	20	1	MID	-0.05	0.304	16.18	16.50	1.076	0.327	/
LTEB2	State 4	ANT1	QPSK	Left Tilt	0	18900	1880	20	1	MID	-0.05	0.371	16.18	16.50	1.076	0.399	/
LTEB2	State 4	ANT1	QPSK	Right Cheek	0	18900	1880	20	1	MID	0.01	0.486	16.18	16.50	1.076	0.523	/
LTEB2	State 4	ANT1	QPSK	Right Tilt	0	18900	1880	20	1	MID	0.12	0.576	16.18	16.50	1.076	0.620	/
LTEB2	State 4	ANT1	QPSK	Left Cheek	0	19100	1890	20	50	MID	0.19	0.296	16.16	16.50	1.081	0.320	/
LTEB2	State 4	ANT1	QPSK	Left Tilt	0	19100	1890	20	50	MID	-0.12	0.363	16.16	16.50	1.081	0.393	/
LTEB2	State 4	ANT1	QPSK	Right Cheek	0	19100	1890	20	50	MID	0.07	0.478	16.16	16.50	1.081	0.517	/
LTEB2	State 4	ANT1	QPSK	Right Tilt	0	19100	1890	20	50	MID	-0.15	0.568	16.16	16.50	1.081	0.614	/
LTEB2	State 2&4	ANT2	QPSK	Left Cheek	0	18900	1880	20	1	MID	0.04	0.108	24.41	24.50	1.021	0.110	/
LTEB2	State 2&4	ANT2	QPSK	Left Tilt	0	18900	1880	20	1	MID	-0.07	0.115	24.41	24.50	1.021	0.117	/
LTEB2	State 2&4	ANT2	QPSK	Right Cheek	0	18900	1880	20	1	MID	0.15	0.168	24.41	24.50	1.021	0.172	/
LTEB2	State 2&4	ANT2	QPSK	Right Tilt	0	18900	1880	20	1	MID	0.11	0.132	24.41	24.50	1.021	0.135	/
LTEB2	State 2&4	ANT2	QPSK	Left Cheek	0	19100	1890	20	50	MID	0.16	0.100	23.22	23.50	1.067	0.107	/
LTEB2	State 2&4	ANT2	QPSK	Left Tilt	0	19100	1890	20	50	MID	0.05	0.107	23.22	23.50	1.067	0.114	/
LTEB2	State 2&4	ANT2	QPSK	Right Cheek	0	19100	1890	20	50	MID	-0.13	0.160	23.22	23.50	1.067	0.171	/
LTEB2	State 2&4	ANT2	QPSK	Right Tilt	0	19100	1890	20	50	MID	-0.12	0.124	23.22	23.50	1.067	0.132	/
Body-Worn																	
LTEB2	State 1	ANT1	QPSK	Front Side	15	18900	1880	20	1	MID	0.19	0.211	20.14	20.50	1.086	0.229	/
LTEB2	State 1	ANT1	QPSK	Back Side	15	18900	1880	20	1	MID	-0.15	0.279	20.14	20.50	1.086	0.303	/
LTEB2	State 1	ANT1	QPSK	Front Side	15	18900	1880	20	50	LOW	0.02	0.353	19.98	20.50	1.127	0.398	24
LTEB2	State 1	ANT1	QPSK	Back Side	15	18900	1880	20	50	LOW	0.16	0.283	19.98	20.50	1.127	0.319	/
LTEB2	State 3	ANT1	QPSK	Front Side	15	18900	1880	20	1	MID	-0.17	0.168	18.97	19.50	1.130	0.190	/