

FCC SAR EVALUATION REPORT

In accordance with the requirements of
FCC 47 CFR Part 2(2.1093), ANSI/IEEE C95.1-1992 and
IEEE Std 1528-2013

Product Name : Wireless Digital Terminal

Trademark : **Neusoft**

Model Name : S611

Family Model : N/A

Report No. : S19032504602001

FCC ID : 2ASMA-S611

Prepared for

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TEST RESULT CERTIFICATION

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Manufacturer's Name.....: Neusoft Corporation
Address.....: No.2 XinxiuStreet, Hunnan New District, ShenyangCity, LiaoningProvince, China

Product description

Product name.....: Wireless Digital Terminal
Trademark.....: Neusoft
Model Name.....: S611
Family Model.....: N/A

Standards.....: FCC 47 CFR Part 2(2.1093)
ANSI/IEEE C95.1-1992
IEEE Std 1528-2013
Published RF exposure KDB procedures

This device described above has been tested by Shenzhen NTEK. In accordance with the measurement methods and procedures specified in IEEE Std 1528-2013 and KDB 865664 D01. Testing has shown that this device is capable of compliance with localized specific absorption rate (SAR) specified in FCC 47 CFR Part 2(2.1093) and ANSI/IEEE C95.1-1992. The test results in this report apply only to the tested sample of the stated device/equipment. Other similar device/equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

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Date of Test

Date (s) of performance of tests.....: Dec. 26, 2018 ~ Apr. 12, 2019
Date of Issue.....: Apr. 17, 2019
Test Result.....: Pass

Prepared By (Test Engineer) : Cheng Jiawen (Cheng Jiawen)

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※ ※ Revision History ※ ※

REV.	DESCRIPTION	ISSUED DATE	REMARK
Rev.1.0	Initial Test Report Release	Apr. 17, 2019	Cheng Jiawen

TABLE OF CONTENTS

1.	General Information	6
1.1.	RF exposure limits.....	6
1.2.	Statement of Compliance	7
1.3.	EUT Description	7
1.4.	Test specification(s)	11
1.5.	Ambient Condition.....	11
2.	SAR Measurement System	12
2.1.	SATIMO SAR Measurement Set-up Diagram	12
2.2.	Robot	13
2.3.	E-Field Probe.....	14
2.3.1.	E-Field Probe Calibration	14
2.4.	SAM phantoms	15
2.4.1.	Technical Data	16
2.5.	Device Holder	17
2.6.	Test Equipment List	18
3.	SAR Measurement Procedures	20
3.1.	Power Reference	20
3.2.	Area scan & Zoom scan.....	20
3.3.	Description of interpolation/extrapolation scheme	22
3.4.	Volumetric Scan	22
3.5.	Power Drift	22
4.	System Verification Procedure	23
4.1.	Tissue Verification	23
4.1.1.	Tissue Dielectric Parameter Check Results	24
4.2.	System Verification Procedure	26
4.2.1.	System Verification Results.....	27
5.	SAR Measurement variability and uncertainty	29
5.1.	SAR measurement variability.....	29
5.2.	SAR measurement uncertainty	29
6.	RF Exposure Positions.....	30
6.1.	Ear and handset reference point	30
6.2.	Definition of the cheek position	30
6.3.	Definition of the tilt position	32
6.4.	Body Worn Accessory	32
6.5.	Wireless Router Devices	33
7.	RF Output Power	34
7.1.	Maximum Tune-up Limit.....	34
7.2.	GSM Conducted Power	36
7.3.	WCDMA Conducted Power	36

- 7.4. LTE Conducted Power37
- 7.5. WLAN & Bluetooth Output Power57
 - 7.5.1. Output Power Results Of WLAN57
 - 7.5.2. Output Power Results Of Bluetooth.....59
- 8. Antenna Location.....60
- 9. Stand-alone SAR test exclusion.....61
- 10. SAR Results62
 - 10.1. SAR measurement results62
 - 10.1.1. SAR measurement Result of GSM850.....62
 - 10.1.2. SAR measurement Result of GSM1900.....63
 - 10.1.3. SAR measurement Result of WCDMA Band V.....64
 - 10.1.4. SAR measurement Result of WCDMA Band IV.....65
 - 10.1.5. SAR measurement Result of WCDMA Band II.....65
 - 10.1.6. SAR measurement Result of LTE Band XII66
 - 10.1.7. SAR measurement Result of LTE Band XIII68
 - 10.1.8. SAR measurement Result of LTE Band XIV70
 - 10.1.9. SAR measurement Result of LTE Band V 71
 - 10.1.10. SAR measurement Result of LTE Band IV73
 - 10.1.11. SAR measurement Result of LTE Band II75
 - 10.1.12. SAR measurement Result of LTE Band XXV76
 - 10.1.13. SAR measurement Result of LTE Band XXVI78
 - 10.1.14. SAR measurement Result of LTE Band VII80
 - 10.1.15. SAR measurement Result of LTE Band XLI.....81
 - 10.1.16. SAR measurement Result of WLAN 2.4G83
 - 10.1.17. SAR measurement Result of WLAN 5.2G84
 - 10.1.18. SAR measurement Result of WLAN 5.3G84
 - 10.1.19. SAR measurement Result of WLAN 5.6G85
 - 10.1.20. SAR measurement Result of WLAN 5.8G85
 - 10.2. SAR Summation Scenario.....86
- 11. Appendix A. Photo documentation115
- 12. Appendix B. System Check Plots.....116
- 13. Appendix C. Plots of High SAR Measurement.....161
- 14. Appendix D. Calibration Certificate243

1. General Information

1.1. RF exposure limits

(A).Limits for Occupational/Controlled Exposure (W/kg)

Whole-Body	Partial-Body	Hands, Wrists, Feet and Ankles
0.4	8.0	20.0

(B).Limits for General Population/Uncontrolled Exposure (W/kg)

Whole-Body	Partial-Body	Hands, Wrists, Feet and Ankles
0.08	1.6	4.0

NOTE: **Whole-Body SAR** is averaged over the entire body, **partial-body SAR** is averaged over any 1 gram of tissue defined as a tissue volume in the shape of a cube. **SAR for hands, wrists, feet and ankles** is averaged over any 10 grams of tissue defined as a tissue volume in the shape of a cube.

Occupational/Controlled Environments:

Are defined as locations where there is exposure that may be incurred by people who are aware of the potential for exposure, (i.e. as a result of employment or occupation).

General Population/Uncontrolled Environments:

Are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure.

NOTE
HEAD AND TRUNK LIMIT
1.6 W/kg
APPLIED TO THIS EUT

1.2. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing for S611 are as follows.

Band	Max Reported SAR Value(W/kg)			Max Simultaneous Tx
	1-g Head	1-g Body-Worn (Separation distance of 10mm)	1-g Hotspot (Separation distance of 10mm)	
GSM 850	0.463	1.042	1.042	1.388
GSM 1900	0.400	0.565	1.277	
WCDMA Band V	0.252	0.488	0.488	
WCDMA Band IV	0.368	0.674	0.674	
WCDMA Band II	0.237	0.592	1.092	
LTE Band XII	0.161	0.407	0.407	
LTE Band XIII	0.227	0.382	0.382	
LTE Band XIV	0.240	0.400	0.400	
LTE Band V	0.277	0.303	0.303	
LTE Band IV	0.180	0.608	0.701	
LTE Band II	0.362	0.415	0.791	
LTE Band XXV	0.285	0.325	0.794	
LTE Band XXVI	0.232	0.512	0.512	
LTE Band VII	0.122	0.794	0.794	
LTE Band XLI	0.093	0.793	0.793	
WLAN 2.4G	0.043	0.094	0.094	
WLAN 5.2G	0.111	0.346	N/A	
WLAN 5.3G	0.304	0.195	N/A	
WLAN 5.6G	0.234	0.170	N/A	
WLAN 5.8G	0.087	0.202	N/A	

Note: The Max Simultaneous Tx is calculated based on the same configuration and test position. This device is in compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6 W/kg) specified in FCC 47 CFR Part 2(2.1093) and ANSI/IEEE C95.1-1992, and had been tested in accordance with the measurement methods and procedures specified in IEEE Std 1528-2013 & KDB 865664 D01.

1.3. EUT Description

Device Information	
Product Name	Wireless Digital Terminal
Trade Name	Neusoft
Model Name	S611
Family Model	N/A

FCC ID	2ASMA-S611		
Device Phase	Identical Prototype		
Exposure Category	General population / Uncontrolled environment		
Antenna	FPCB Antenna		
Battery Information	DC 3.85V, 4200mAh		
Device Operating Configurations			
Supporting Mode(s)	GSM 850/1900, WCDMA Band V/IV/II, LTE Band XII/XIII/XIV/V/IV/III/XXV/XXVI/VII/XLI, WLAN 2.4G/5.2G/5.3G/5.6G/5.8G, Bluetooth, NFC		
Test Modulation	GSM(GMSK/8PSK), WCDMA(QPSK), LTE(QPSK/16QAM), WLAN(DSSS/OFDM), Bluetooth(GFSK, $\pi/4$ -DQPSK, 8DPSK)		
Device Class	B		
Operating Frequency Range(s)	Band	Tx (MHz)	Rx (MHz)
	GSM 850	824-849	869-894
	GSM 1900	1850-1910	1930-1990
	WCDMA Band V	824-849	869-894
	WCDMA Band IV	1710-1755	2110-2155
	WCDMA Band II	1850-1910	1930-1990
	LTE Band XII	699-716	729-746
	LTE Band XIII	777-787	746-756
	LTE Band XIV	788-798	758-768
	LTE Band V	824-849	869-894
	LTE Band IV	1710-1755	2110-2155
	LTE Band II	1850-1910	1930-1990
	LTE Band XXV	1850-1915	1930-1995
	LTE Band XXVI	814-849	859-894
	LTE Band VII	2500-2570	2620-2690
	LTE Band XLI	2535-2655	
	WLAN 2.4G	2412-2462	
	WLAN 5.2G	5180-5240	
	WLAN 5.3G	5260-5320	
	WLAN 5.6G	5500-5700	
WLAN 5.8G	5745-5825		
Bluetooth	2402-2480		
NFC	13.56		
GPRS Multislot Class(12)	Max Number of Timeslots in Uplink		4
	Max Number of Timeslots in Downlink		4
	Max Total Timeslot		5
EDGE Multislot Class(12)	Max Number of Timeslots in Uplink		4
	Max Number of Timeslots in Downlink		4

	Max Total Timeslot	5
Power Class	4, tested with power level 5(GSM 850)	
	1, tested with power level 0(GSM 1900)	
	3, tested with power control "all 1"(WCDMA Band V)	
	3, tested with power control "all 1"(WCDMA Band IV)	
	3, tested with power control "all 1"(WCDMA Band II)	
	3, tested with power control all Max.(LTE Band XII)	
	3, tested with power control all Max.(LTE Band XIII)	
	3, tested with power control all Max.(LTE Band XIV)	
	3, tested with power control all Max.(LTE Band V)	
	3, tested with power control all Max.(LTE Band IV)	
	3, tested with power control all Max.(LTE Band II)	
	3, tested with power control all Max.(LTE Band XXV)	
	3, tested with power control all Max.(LTE Band XXVI)	
	3, tested with power control all Max.(LTE Band VII)	
	3, tested with power control all Max.(LTE Band XLI)	
Test Channels (low-mid-high)	128-189-251(GSM 850)	
	512-661-810(GSM 1900)	
	4132-4182-4233(WCDMA Band V)	
	1313-1413-1512(WCDMA Band IV)	
	9262-9400-9538(WCDMA Band II)	
	23017-23095-23173 (LTE Band XII BW=1.4MHz)	
	23025-23095-23165 (LTE Band XII BW=3MHz)	
	23035-23095-23155 (LTE Band XII BW=5MHz)	
	23060-23095-23130 (LTE Band XII BW=10MHz)	
	23205-23230-23255(LTE Band XIII BW=5MHz)	
	23230(LTE Band XIII BW=10MHz)	
	23305-23330-23355(LTE Band XIV BW=5MHz)	
	23330(LTE Band XIV BW=10MHz)	
	20407-20525-20643(LTE Band V BW=1.4MHz)	
	20415-20525-20635(LTE Band V BW=3MHz)	
	20425-20525-20625(LTE Band V BW=5MHz)	
	20450-20525-20600(LTE Band V BW=10MHz)	
	19957-20175-20393(LTE Band IV BW=1.4MHz)	
	19965-20175-20385(LTE Band IV BW=3MHz)	
	19975-20175-20375(LTE Band IV BW=5MHz)	
	20000-20175-20350(LTE Band IV BW=10MHz)	
20025-20175-20325(LTE Band IV BW=15MHz)		
20050-20175-20300(LTE Band IV BW=20MHz)		
18607-18900-19193(LTE Band II BW=1.4MHz)		

18615-18900-19185(LTE Band II BW=3MHz)
18625-18900-19175(LTE Band II BW=5MHz)
18650-18900-19150(LTE Band II BW=10MHz)
18675-18900-19125(LTE Band II BW=15MHz)
18700-18900-19100(LTE Band II BW=20MHz)
26047-26365-26683(LTE Band XXV BW=1.4MHz)
26055-26365-26675(LTE Band XXV BW=3MHz)
26065-26365-26665(LTE Band XXV BW=5MHz)
26090-26365-26640(LTE Band XXV BW=10MHz)
26115-26365-26615(LTE Band XXV BW=15MHz)
26140-26365-26590(LTE Band XXV BW=20MHz)
26697-26740-26783(LTE Band XXVI BW=1.4MHz)
26705-26740-26775(LTE Band XXVI BW=3MHz)
26715-26740-26765(LTE Band XXVI BW=5MHz)
26740(LTE Band XXVI BW=10MHz)
20775-21100-21425(LTE Band VII BW=5MHz)
20800-21100-21400(LTE Band VII BW=10MHz)
20825-21100-21375(LTE Band VII BW=15MHz)
20850-21100-21350(LTE Band VII BW=20MHz)
40040-40620-41240(LTE Band XLI BW=5MHz)
40065-40620-41215(LTE Band XLI BW=10MHz)
40090-40620-41190(LTE Band XLI BW=15MHz)
40115-40620-41165(LTE Band XLI BW=20MHz)
1-3-6-9-11(WLAN 2.4G)
36-38-40-42-46-48(WLAN 5.2G)
52-54-56-58-62-64(WLAN 5.3G)
100-102-106-118-120-122-134-140(WLAN 5.6G)
149-151-155-157-159-165(WLAN 5.8G)

1.4. Test specification(s)

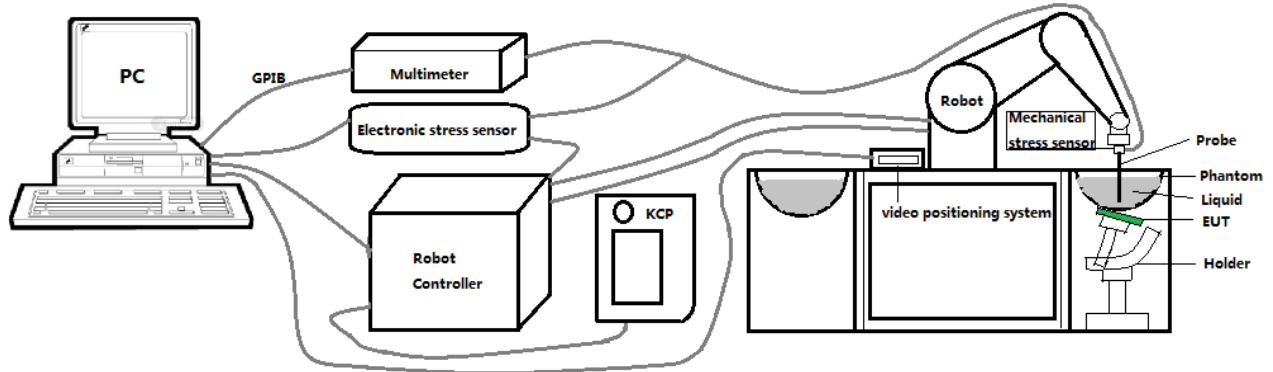
FCC 47 CFR Part 2(2.1093)
ANSI/IEEE C95.1-1992
IEEE Std 1528-2013
KDB 865664 D01 SAR measurement 100 MHz to 6 GHz
KDB 865664 D02 RF Exposure Reporting
KDB 447498 D01 General RF Exposure Guidance
KDB 248227 D01 802.11 Wi-Fi SAR
KDB 941225 D01 3G SAR Procedures
KDB 941225 D05 SAR for LTE Devices
KDB 941225 D06 Hotspot SAR
KDB 648474 D04 Handset SAR

1.5. Ambient Condition

Ambient temperature	20°C – 24°C
Relative Humidity	30% – 70%

2. SAR Measurement System

2.1. SATIMO SAR Measurement Set-up Diagram



These measurements were performed with the automated near-field scanning system OPENSAR from SATIMO. The system is based on a high precision robot (working range: 901 mm), which positions the probes with a positional repeatability of better than ± 0.03 mm. The SAR measurements were conducted with dosimetric probe (manufactured by SATIMO), designed in the classical triangular configuration and optimized for dosimetric evaluation.

The first step of the field measurement is the evaluation of the voltages induced on the probe by the device under test. Probe diode detectors are nonlinear. Below the diode compression point, the output voltage is proportional to the square of the applied E-field; above the diode compression point, it is linear to the applied E-field. The compression point depends on the diode, and a calibration procedure is necessary for each sensor of the probe.

The Keithley multimeter reads the voltage of each sensor and send these three values to the PC. The corresponding E field value is calculated using the probe calibration factors, which are stored in the working directory. This evaluation includes linearization of the diode characteristics. The field calculation is done separately for each sensor. Each component of the E field is displayed on the "Dipole Area Scan Interface" and the total E field is displayed on the "3D Interface"

2.2. Robot

The SATIMO SAR system uses the high precision robots from KUKA. For the 6-axis controller system, the robot controller version (KUKA) from KUKA is used. The KUKA robot series have many features that are important for our application:



- High precision (repeatability ± 0.03 mm)
- High reliability (industrial design)
- Jerk-free straight movements
- Low ELF interference (the closed metallic construction shields against motor control fields)

2.3. E-Field Probe

This E-field detection probe is composed of three orthogonal dipoles linked to special Schottky diodes with low detection thresholds. The probe allows the measurement of electric fields in liquids such as the one defined in the IEEE and CENELEC standards.

For the measurements the Specific Dosimetric E-Field Probe SN 08/16 EPGO287 with following specifications is used



- Dynamic range: 0.01-100 W/kg
 - Tip Diameter: 2.5 mm
 - Distance between probe tip and sensor center: 1 mm
 - Distance between sensor center and the inner phantom surface: 2 mm (repeatability better than ± 1 mm).
 - Probe linearity: ± 0.08 dB
 - Axial isotropy: 0.06 dB
 - Hemispherical Isotropy: 0.08 dB
 - Calibration range: 650MHz to 5900MHz for head & body simulating liquid.
 - Lower detection limit: 7mW/kg
- Angle between probe axis (evaluation axis) and surface normal line: less than 30° .

2.3.1. E-Field Probe Calibration

Each probe needs to be calibrated according to a dosimetric assessment procedure with accuracy better than $\pm 10\%$. The spherical isotropy shall be evaluated and within ± 0.25 dB. The sensitivity parameters (Norm X, Norm Y, and Norm Z), the diode compression parameter (DCP) and the conversion factor (Conv F) of the probe are tested. The calibration data can be referred to appendix D of this report.

2.4. SAM phantoms

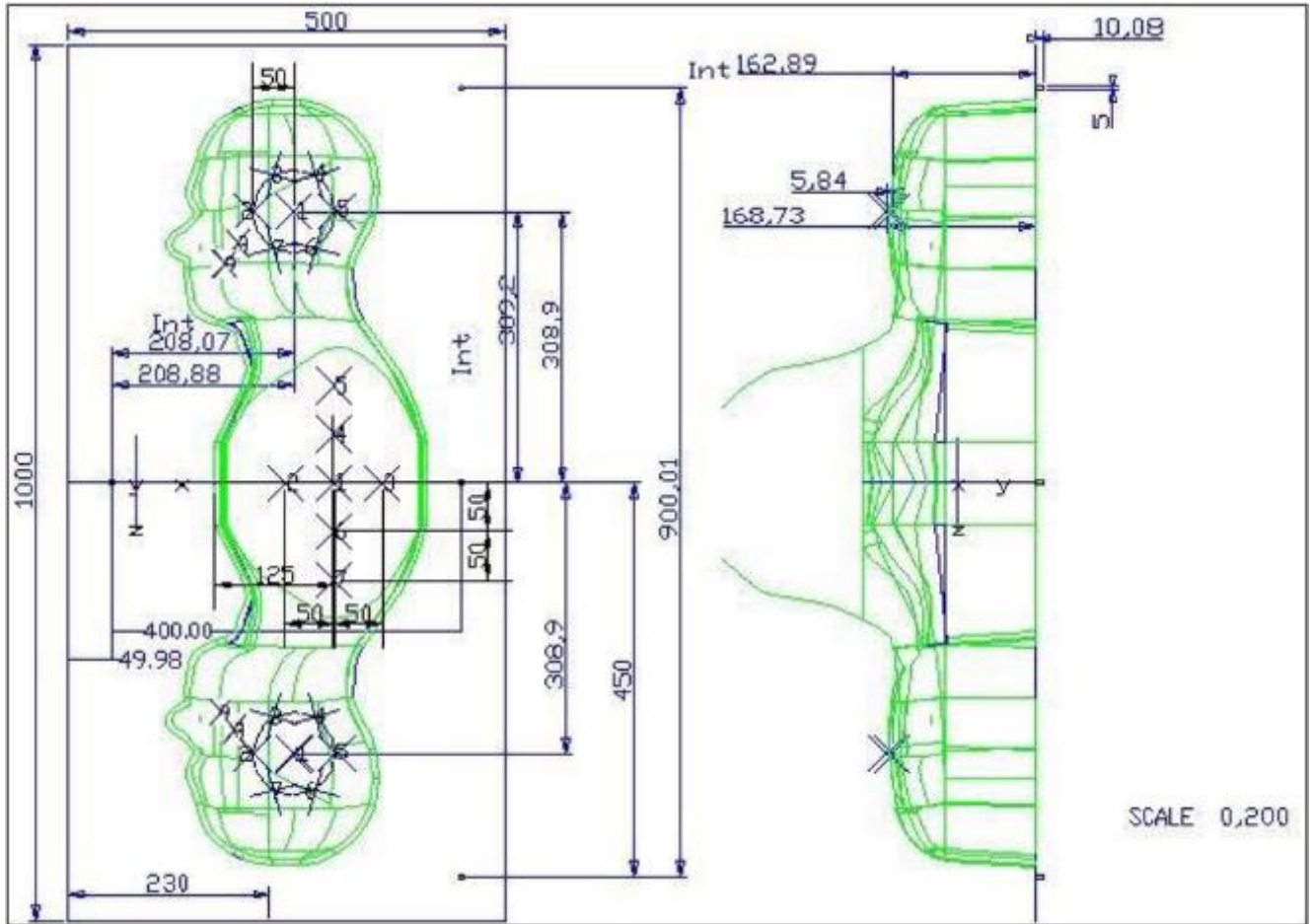
Photo of SAM phantom SN 16/15 SAM119



The SAM phantom is used to measure the SAR relative to people exposed to electro-magnetic field radiated by mobile phones.

2.4.1. Technical Data

Serial Number	Shell thickness	Filling volume	Dimensions	Positionner Material	Permittivity	Loss Tangent
SN 16/15 SAM119	2 mm ±0.2 mm	27 liters	Length:1000 mm Width:500 mm Height:200 mm	Gelcoat with fiberglass	3.4	0.02

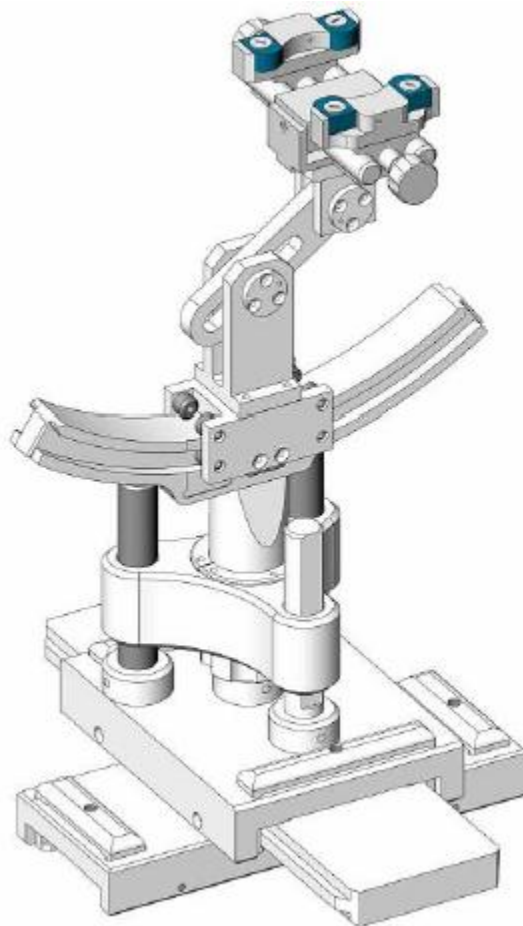


Serial Number	Left Head(mm)		Right Head(mm)		Flat Part(mm)	
	1	2	1	2	1	2
SN 16/15 SAM119	2	2.02	2	2.08	1	2.09
	3	2.05	3	2.06	2	2.06
	4	2.07	4	2.07	3	2.08
	5	2.08	5	2.08	4	2.10
	6	2.05	6	2.07	5	2.10
	7	2.05	7	2.05	6	2.07
	8	2.07	8	2.06	7	2.07
	9	2.08	9	2.06	-	-

The test, based on ultrasonic system, allows measuring the thickness with an accuracy of 10 µm.

2.5. Device Holder

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



Serial Number	Holder Material	Permittivity	Loss Tangent
SN 16/15 MSH100	Delrin	3.7	0.005

2.6. Test Equipment List

This table gives a complete overview of the SAR measurement equipment.

Devices used during the test described are marked

	Manufacturer	Name of Equipment	Type/Model	Serial Number	Calibration	
					Last Cal.	Due Date
<input checked="" type="checkbox"/>	MVG	E FIELD PROBE	SSE2	SN 08/16 EPGO287	Sep. 17, 2018	Sep. 16, 2019
<input checked="" type="checkbox"/>	MVG	750 MHz Dipole	SID750	SN 03/15 DIP 0G750-355	Apr. 19, 2018	Apr. 18, 2021
<input checked="" type="checkbox"/>	MVG	835 MHz Dipole	SID835	SN 03/15 DIP 0G835-347	Apr. 19, 2018	Apr. 18, 2021
<input type="checkbox"/>	MVG	900 MHz Dipole	SID900	SN 03/15 DIP 0G900-348	Apr. 19, 2018	Apr. 18, 2021
<input checked="" type="checkbox"/>	MVG	1800 MHz Dipole	SID1800	SN 03/15 DIP 1G800-349	Apr. 19, 2018	Apr. 18, 2021
<input checked="" type="checkbox"/>	MVG	1900 MHz Dipole	SID1900	SN 03/15 DIP 1G900-350	Apr. 19, 2018	Apr. 18, 2021
<input type="checkbox"/>	MVG	2000 MHz Dipole	SID2000	SN 03/15 DIP 2G000-351	Apr. 19, 2018	Apr. 18, 2021
<input checked="" type="checkbox"/>	MVG	2450 MHz Dipole	SID2450	SN 03/15 DIP 2G450-352	Apr. 19, 2018	Apr. 18, 2021
<input checked="" type="checkbox"/>	MVG	2600 MHz Dipole	SID2600	SN 03/15 DIP 2G600-356	Apr. 19, 2018	Apr. 18, 2021
<input checked="" type="checkbox"/>	MVG	5000 MHz Dipole	SWG5500	SN 13/14 WGA 33	Apr. 19, 2018	Apr. 18, 2021
<input checked="" type="checkbox"/>	MVG	Liquid measurement Kit	SCLMP	SN 21/15 OCPG 72	NCR	NCR
<input checked="" type="checkbox"/>	MVG	Power Amplifier	N.A	AMPLISAR_28/14_003	NCR	NCR
<input checked="" type="checkbox"/>	KEITHLEY	Millivoltmeter	2000	4072790	NCR	NCR
<input checked="" type="checkbox"/>	R&S	Universal radio communication tester	CMU200	117858	Aug. 05, 2018	Aug. 04, 2019
<input checked="" type="checkbox"/>	R&S	Wideband radio communication tester	CMW500	103917	Oct. 08, 2018	Oct. 07, 2019
<input checked="" type="checkbox"/>	HP	Network Analyzer	8753D	3410J01136	Aug. 05, 2018	Aug. 04, 2019
<input checked="" type="checkbox"/>	Agilent	PSG Analog Signal Generator	E8257D	MY51110112	Aug. 05, 2018	Aug. 04, 2019

<input checked="" type="checkbox"/>	Agilent	Power meter	E4419B	MY45102538	Aug. 05, 2018	Aug. 04, 2019
<input checked="" type="checkbox"/>	Agilent	Power sensor	E9301A	MY41495644	Aug. 05, 2018	Aug. 04, 2019
<input checked="" type="checkbox"/>	Agilent	Power sensor	E9301A	US39212148	Aug. 05, 2018	Aug. 04, 2019
<input checked="" type="checkbox"/>	MCLI/USA	Directional Coupler	CB11-20	0D2L51502	Aug. 05, 2018	Aug. 04, 2019

3. SAR Measurement Procedures

The measurement procedures are as follows:

<Conducted power measurement>

- (a) For WWAN power measurement, use base station simulator to configure EUT WWAN transmission in conducted connection with RF cable, at maximum power in each supported wireless interface and frequency band.
- (b) Read the WWAN RF power level from the base station simulator.
- (c) For WLAN/Bluetooth power measurement, use engineering software to configure EUT WLAN/Bluetooth continuously transmission, at maximum RF power in each supported wireless interface and frequency band.
- (d) Connect EUT RF port through RF cable to the power meter, and measure WLAN/Bluetooth output power.

<SAR measurement>

- (a) Use base station simulator to configure EUT WWAN transmission in radiated connection, and engineering software to configure EUT WLAN/Bluetooth continuously transmission, at maximum RF power, in the highest power channel.
- (b) Place the EUT in the positions as Appendix A demonstrates.
- (c) Set scan area, grid size and other setting on the OPENSAR software.
- (d) Measure SAR results for the highest power channel on each testing position.
- (e) Find out the largest SAR result on these testing positions of each band.
- (f) Measure SAR results for other channels in worst SAR testing position if the reported SAR of highest power channel is larger than 0.8 W/kg.

According to the test standard, the recommended procedure for assessing the peak spatial-average SAR value consists of the following steps:

- (a) Power reference measurement
- (b) Area scan
- (c) Zoom scan
- (d) Power drift measurement

3.1. Power Reference

The Power Reference Measurement and Power Drift Measurements are for monitoring the power drift of the device under test in the batch process. The minimum distance of probe sensors to surface determines the closest measurement point to phantom surface. This distance cannot be smaller than the distance of sensor calibration points to probe tip as defined in the probe properties.

3.2. Area scan & Zoom scan

The area scan is a 2D scan to find the hot spot location on the DUT. The zoom scan is a 3D scan above the hot spot to calculate the 1g and 10g SAR value.

Measurement of the SAR distribution with a grid of 8 to 16 mm * 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. 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.

From the scanned SAR distribution, identify the position of the maximum SAR value, in addition identify the positions of any local maxima with SAR values within 2 dB of the maximum value that will not be within the zoom scan of other peaks; additional peaks shall be measured only when the primary peak is within 2 dB of the SAR compliance limit (e.g., 1 W/kg for 1,6 W/kg 1 g limit, or 1,26 W/kg for 2 W/kg, 10 g limit).

Area scan & Zoom scan scan parameters extracted from FCC KDB 865664 D01 SAR measurement 100 MHz to 6 GHz.

		≤ 3 GHz	> 3 GHz
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		$30^\circ \pm 1^\circ$	$20^\circ \pm 1^\circ$
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 \leq 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: $\Delta z_{Zoom}(n)$	≤ 5 mm	3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm
	graded grid	$\Delta z_{Zoom}(1)$: between 1 st two points closest to phantom surface	≤ 4 mm
		$\Delta z_{Zoom}(n>1)$: between subsequent points	$\leq 1.5 \cdot \Delta z_{Zoom}(n-1)$
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: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.

* When zoom scan is required and the *reported* SAR from the *area scan based 1-g SAR estimation* procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.

3.3. Description of interpolation/extrapolation scheme

The local SAR inside the phantom is measured using small dipole sensing elements inside a probe body. The probe tip must not be in contact with the phantom surface in order to minimise measurements errors, but the highest local SAR will occur at the surface of the phantom.

An extrapolation is using to determinate this highest local SAR values. The extrapolation is based on a fourth-order least-square polynomial fit of measured data. The local SAR value is then extrapolated from the liquid surface with a 1 mm step.

The measurements have to be performed over a limited time (due to the duration of the battery) so the step of measurement is high. It could vary between 5 and 8 mm. To obtain an accurate assessment of the maximum SAR averaged over 10 grams and 1 gram requires a very fine resolution in the three dimensional scanned data array.

3.4. Volumetric Scan

The volumetric scan consists to a full 3D scan over a specific area. This 3D scan is useful form multi Tx SAR measurement. Indeed, it is possible with OpenSAR to add, point by point, several volumetric scan to calculate the SAR value of the combined measurement as it is define in the standard IEEE1528 and IEC62209.

3.5. Power Drift

All SAR testing is under the EUT install full charged battery and transmit maximum output power. In OpenSAR measurement software, the power reference measurement and power drift measurement procedures are used for monitoring the power drift of EUT during SAR test. Both these procedures measure the field at a specified reference position before and after the SAR testing. The software will calculate the field difference in V/m. If the power drifts more than $\pm 5\%$, the SAR will be retested.

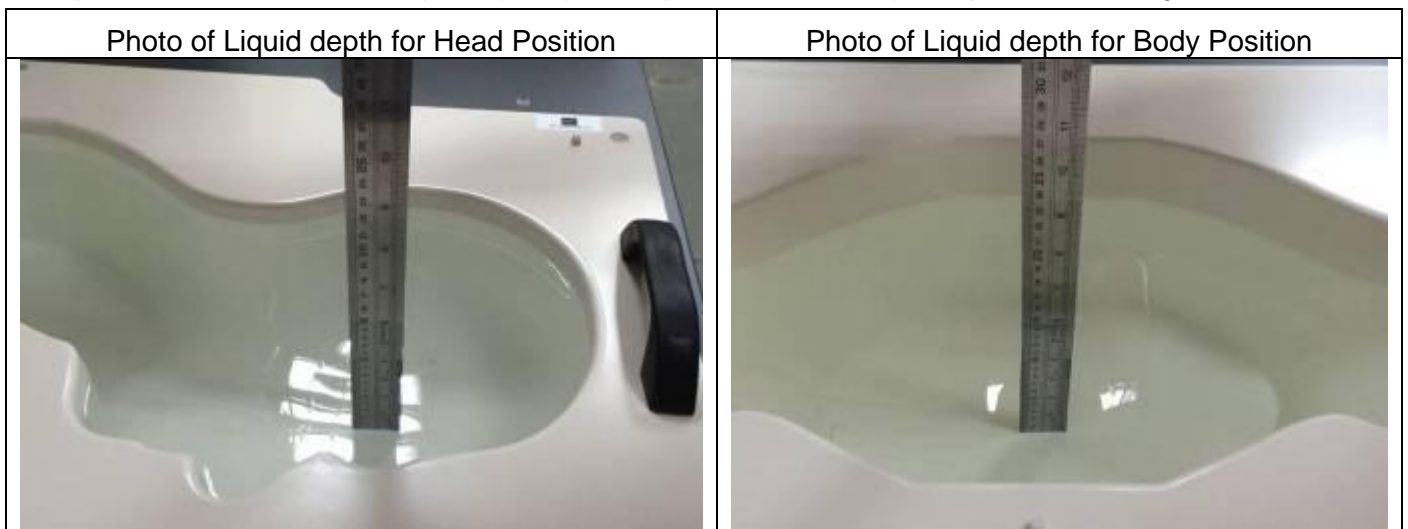
4. System Verification Procedure

4.1. Tissue Verification

The following tissue formulations are provided for reference only as some of the parameters have not been thoroughly verified. The composition of ingredients may be modified accordingly to achieve the desired target tissue parameters required for routine SAR evaluation.

Ingredients (% of weight)	Head Tissue									
	750	835	900	1800	1900	2000	2450	2600	5200	5800
Frequency Band (MHz)										
Water	34.40	34.40	34.40	55.36	55.36	57.87	57.87	57.87	65.53	65.53
NaCl	0.79	0.79	0.79	0.35	0.35	0.16	0.16	0.16	0.00	0.00
1,2-Propanediol	64.81	64.81	64.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Triton X-100	0.00	0.00	0.00	30.45	30.45	19.97	19.97	19.97	24.24	24.24
DGBE	0.00	0.00	0.00	13.84	13.84	22.00	22.00	22.00	10.23	10.23
Ingredients (% of weight)	Body Tissue									
	750	835	900	1800	1900	2000	2450	2600	5200	5800
Frequency Band (MHz)										
Water	50.30	50.30	50.30	69.91	69.91	71.88	71.88	71.88	79.54	79.54
NaCl	0.60	0.60	0.60	0.13	0.13	0.16	0.16	0.16	0.00	0.00
1,2-Propanediol	49.10	49.10	49.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Triton X-100	0.00	0.00	0.00	9.99	9.99	19.97	19.97	19.97	11.24	11.24
DGBE	0.00	0.00	0.00	19.97	19.97	7.99	7.99	7.99	9.22	9.22

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 depth from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15 cm.



4.1.1. Tissue Dielectric Parameter Check Results

The simulating liquids should be checked at the beginning of a series of SAR measurements to determine if the dielectric parameters are within the tolerances of the specified target values. The measured conductivity and relative permittivity should be within $\pm 5\%$ of the target values.

Tissue Type	Measured Frequency (MHz)	Target Tissue		Measured Tissue		Liquid Temp.	Test Date
		ϵ_r ($\pm 5\%$)	σ (S/m) ($\pm 5\%$)	ϵ_r	σ (S/m)		
Head 750	750	41.90 (39.81~43.99)	0.89 (0.85~0.93)	41.53	0.89	21.4 °C	Jan. 24, 2019
Body 750	750	55.50 (52.73~58.27)	0.96 (0.91~1.01)	55.43	0.97	21.5 °C	Jan. 25, 2019
Head 850	835	41.50 (39.43~43.57)	0.90 (0.86~0.94)	41.62	0.90	21.6 °C	Dec. 29, 2018
Body 850	835	55.20 (52.44~57.96)	0.97 (0.92~1.01)	54.92	1.00	21.4 °C	Jan. 24, 2019
Head 1800	1800	40.00 (38.00~42.00)	1.40 (1.33~1.47)	39.54	1.40	21.4 °C	Jan. 10, 2019
Body 1800	1800	53.30 (50.64~55.96)	1.52 (1.44~1.59)	53.80	1.52	21.8 °C	Jan. 02, 2019
Head 1900	1900	40.00 (38.00~42.00)	1.40 (1.33~1.47)	40.01	1.41	21.5 °C	Mar. 04, 2019
Body 1900	1900	53.30 (50.64~55.96)	1.52 (1.44~1.59)	53.18	1.54	21.6 °C	Mar. 04, 2019
Head 2450	2450	39.20 (37.24~41.16)	1.80 (1.71~1.89)	39.99	1.79	21.6 °C	Dec. 29, 2018
Body 2450	2450	52.70 (50.07~55.33)	1.95 (1.85~2.04)	52.70	1.97	21.8 °C	Dec. 28, 2018
Head 2600	2600	39.00 (37.05~40.95)	1.96 (1.86~2.05)	39.02	1.96	21.4 °C	Dec. 29, 2018
Body 2600	2600	52.50 (49.88~55.13)	2.16 (2.05~2.27)	53.08	2.16	21.5 °C	Dec. 29, 2018
Head 5000	5200	36.00 (34.20~37.80)	4.66 (4.43~4.89)	35.97	4.62	21.3 °C	Jan. 03, 2019
Body 5000	5200	49.00 (46.55~51.45)	5.30 (5.04~5.57)	49.91	5.27	21.5 °C	Dec. 26, 2018
Head 5000	5800	35.30 (33.54~37.07)	5.27 (5.01~5.53)	34.84	5.19	21.7 °C	Jan. 03, 2019
Body 5000	5800	48.20 (45.79~50.61)	6.00 (5.70~6.30)	48.59	6.03	21.2 °C	Dec. 26, 2018

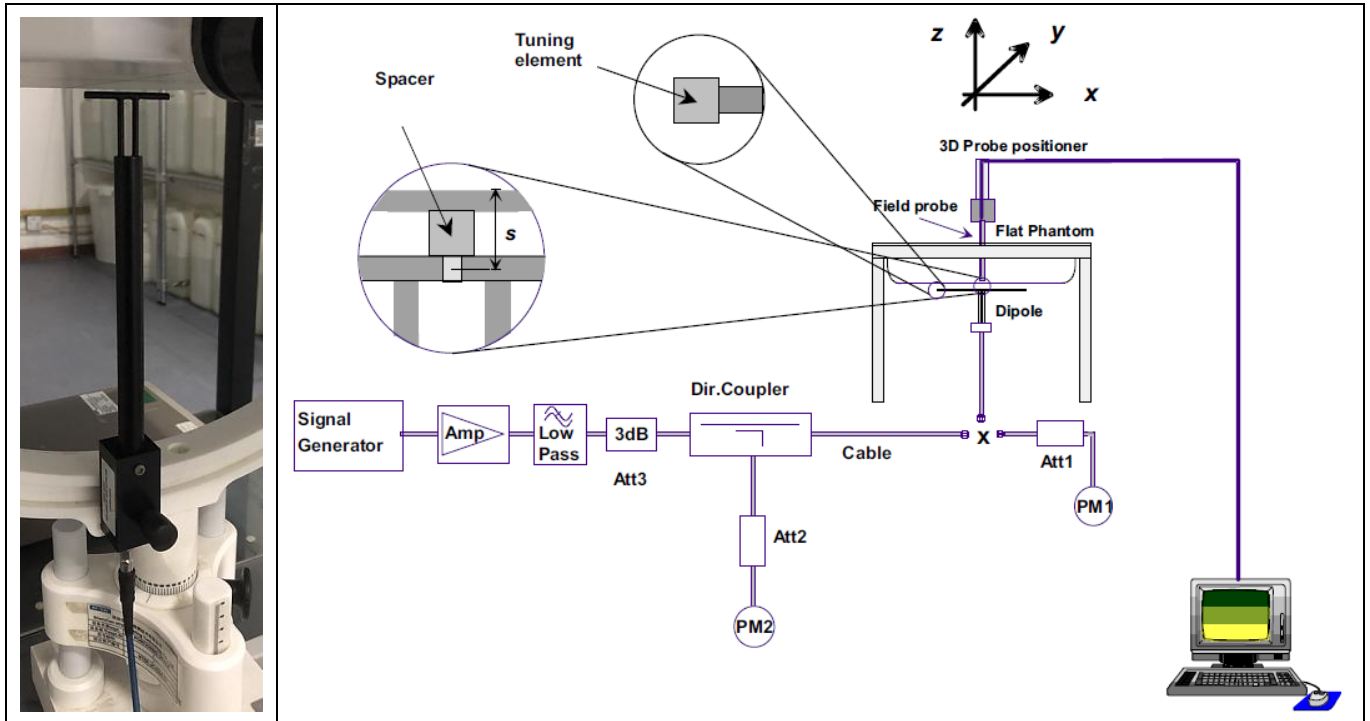
Head 850	835	41.50 (39.43~43.57)	0.90 (0.86~0.94)	41.42	0.91	21.5 °C	Apr. 09, 2019
Body 850	835	55.20 (52.44~57.96)	0.97 (0.92~1.01)	54.82	1.00	21.3 °C	Apr. 10, 2019
Head 5000	5200	36.00 (34.20~37.80)	4.66 (4.43~4.89)	35.90	4.65	21.4 °C	Apr. 12, 2019
Body 5000	5200	49.00 (46.55~51.45)	5.30 (5.04~5.57)	49.88	5.28	21.6 °C	Apr. 11, 2019
Head 5000	5600	35.50 (33.73~37.26)	5.07 (4.82~5.32)	35.62	5.09	21.6 °C	Apr. 12, 2019
Body 5000	5600	48.50 (46.08~50.93)	5.77 (5.48~6.06)	49.89	5.69	21.3 °C	Apr. 11, 2019

NOTE: The dielectric parameters of the tissue-equivalent liquid should be measured under similar ambient conditions and within 2 °C of the conditions expected during the SAR evaluation to satisfy protocol requirements.

4.2. System Verification Procedure

The system verification is performed for verifying the accuracy of the complete measurement system and performance of the software. The dipole is connected to the signal source consisting of signal generator and amplifier via a directional coupler, N-connector cable and adaption to SMA. It is fed with a power of 100mW (below 5GHz) or 100mW (above 5GHz). To adjust this power a power meter is used. The power sensor is connected to the cable before the system verification to measure the power at this point and do adjustments at the signal generator. At the outputs of the directional coupler both return loss as well as forward power are controlled during the system verification to make sure that emitted power at the dipole is kept constant. This can also be checked by the power drift measurement after the test (result on plot).

The system verification is shown as below picture:



4.2.1. System Verification Results

Comparing to the original SAR value provided by SATIMO, the verification data should be within its specification of $\pm 10\%$. Below table shows the target SAR and measured SAR after normalized to 1W input power. The table below indicates the system performance verification can meet the variation criterion and the plots can be referred to Appendix B of this report.

System Verification	Target SAR (1W) ($\pm 10\%$)		Measured SAR (Normalized to 1W)		Liquid Temp.	Test Date
	1-g (W/Kg)	10-g (W/Kg)	1-g (W/Kg)	10-g (W/Kg)		
750MHz Head	8.49 (7.64~9.34)	5.55 (4.99~6.11)	8.36	5.83	21.4 °C	Jan. 24, 2019
750MHz Body	8.55 (7.69~9.41)	5.75 (5.17~6.33)	8.85	5.72	21.5 °C	Jan. 25, 2019
835MHz Head	9.56 (8.60~10.51)	6.22 (5.60~6.84)	9.56	6.11	21.6 °C	Dec. 29, 2018
835MHz Body	9.48 (8.53~10.42)	6.29 (5.66~6.91)	9.18	5.99	21.4 °C	Jan. 24, 2019
1800MHz Head	38.40 (34.56~42.24)	20.10 (18.09~22.11)	40.11	20.87	21.4 °C	Jan. 10, 2019
1800MHz Body	37.04 (33.34~40.74)	20.26 (18.23~22.29)	39.14	21.00	21.8 °C	Jan. 02, 2019
1900MHz Head	39.70 (35.73~43.67)	20.50 (18.45~22.55)	37.05	19.14	21.5 °C	Mar. 04, 2019
1900MHz Body	38.43 (34.59~42.27)	20.34 (18.31~22.37)	40.60	20.45	21.6 °C	Mar. 04, 2019
2450MHz Head	52.40 (47.16~57.64)	24.00 (21.60~26.40)	51.57	24.78	21.6 °C	Dec. 29, 2018
2450MHz Body	49.32 (44.39~54.25)	22.89 (20.60~25.17)	50.27	24.16	21.8 °C	Dec. 28, 2018
2600MHz Head	55.30 (49.77~60.83)	24.60 (22.14~27.06)	50.13	25.73	21.4 °C	Dec. 29, 2018
2600MHz Body	52.95 (47.66~58.25)	23.64 (21.28~26.00)	55.41	24.12	21.5 °C	Dec. 29, 2018
5200MHz Head	159.00 (143.10~174.90)	56.90 (51.21~62.59)	152.34	54.24	21.3 °C	Jan. 03, 2019
5200MHz Body	156.85 (141.17~172.54)	55.20 (49.68~60.72)	159.12	58.13	21.5 °C	Dec. 26, 2018
5800MHz Head	181.20 (163.08~199.32)	61.50 (55.35~67.65)	179.37	61.32	21.7 °C	Jan. 03, 2019

5800MHz Body	169.30 (152.37~186.23)	58.49 (52.64~64.34)	168.14	58.17	21.2 °C	Dec. 26, 2018
835MHz Head	9.56 (8.60~10.51)	6.22 (5.60~6.84)	9.70	6.24	21.5 °C	Apr. 09, 2019
835MHz Body	9.48 (8.53~10.42)	6.29 (5.66~6.91)	9.71	6.45	21.3 °C	Apr. 10, 2019
5200MHz Head	159.00 (143.10~174.90)	56.90 (51.21~62.59)	153.90	53.60	21.4 °C	Apr. 12, 2019
5200MHz Body	156.85 (141.17~172.54)	55.20 (49.68~60.72)	159.12	57.13	21.6 °C	Apr. 11, 2019
5600MHz Head	173.80 (156.42~191.18)	59.97 (53.97~65.97)	168.64	55.18	21.6 °C	Apr. 12, 2019
5600MHz Body	166.58 (149.92~183.24)	57.87 (52.08~63.66)	160.56	55.82	21.3 °C	Apr. 11, 2019

5. SAR Measurement variability and uncertainty

5.1. SAR measurement variability

Per KDB865664 D01 SAR measurement 100 MHz to 6 GHz, SAR measurement variability must be assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. The 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.

- 1) Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg; steps 2) through 4) do not apply.
- 2) When the original highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.
- 3) Perform a second repeated measurement only 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 (~ 10% from the 1-g SAR limit).
- 4) Perform a third repeated measurement only if the original, first or second repeated measurement is ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .

5.2. SAR measurement uncertainty

Per KDB865664 D01 SAR Measurement 100 MHz to 6 GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg, the extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval. The equivalent ratio (1.5/1.6) is applied to extremity and occupational exposure conditions.

6. RF Exposure Positions

6.1. Ear and handset reference point

Figure 6.1.1 shows the front, back, and side views of the SAM phantom. The center-of-mouth reference point is labeled “M”, the left ear reference point (ERP) is marked “LE”, and the right ERP is marked “RE”.



Fig 6.1.1 Front, back, and side views of SAM phantom

6.2. Definition of the cheek position

1. Define two imaginary lines on the handset, the vertical centerline and the horizontal line. The vertical centerline 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 (point A in Figure 6.2.1 and Figure 6.2.2), and the midpoint of the width w_b of the bottom of the handset (point B). The horizontal line is perpendicular to the vertical centerline and passes through the center of the acoustic output (see Figure 6.2.1). 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 centerline is not necessarily parallel to the front face of the handset (see Figure 6.2.2), especially for clamshell handsets, handsets with flip covers, and other irregularly-shaped handsets.
2. Position the handset close to the surface of the phantom such that point A is on the (virtual) extension of the line passing through points RE and LE on the phantom (see Figure 6.2.3), such that the plane defined by the vertical centerline and the horizontal line of the handset is approximately parallel to the sagittal plane of the phantom.
3. Translate the handset towards the phantom along the line passing through RE and LE until handset point A touches the pinna at the ERP
4. While maintaining the handset in this plane, rotate it around the LE-RE line until the vertical centerline is in the plane normal to the plane containing B-M and N-F lines, i.e., the Reference Plane.
5. Rotate the handset around the vertical centerline until the handset (horizontal line) is parallel to the N-F line.

6. While maintaining the vertical centerline in the Reference Plane, keeping point A on the line passing through RE and LE, and maintaining the handset contact with the pinna, rotate the handset about the N-F line until any point on the handset is in contact with a phantom point below the pinna on the cheek. See Figure 6.2.3. The actual rotation angles should be documented in the test report.

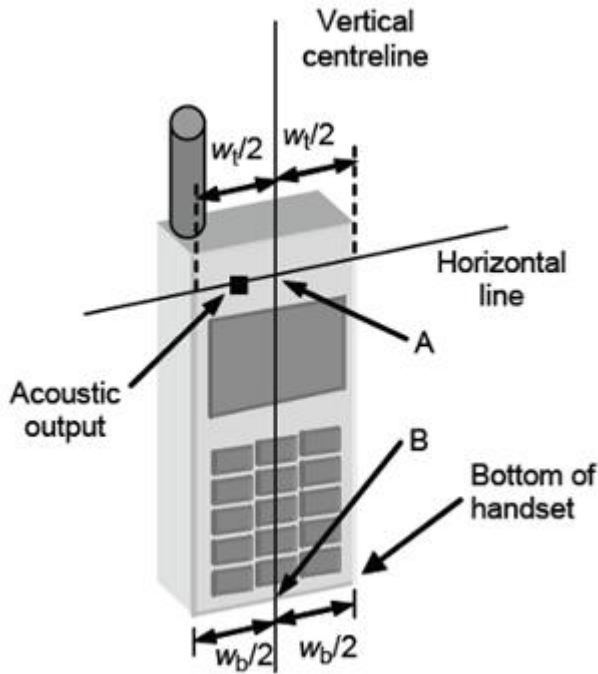


Fig 6.2.1 Handset vertical and horizontal reference lines—"fixed case"

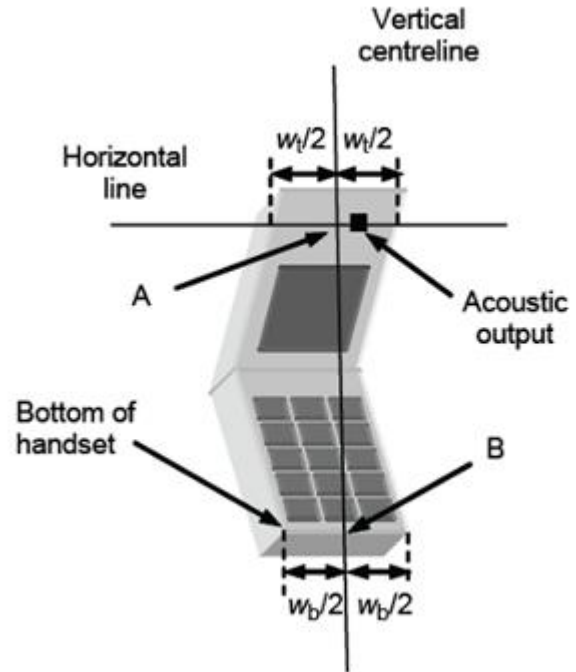


Fig 6.2.2 Handset vertical and horizontal reference lines—"clam-shell case"

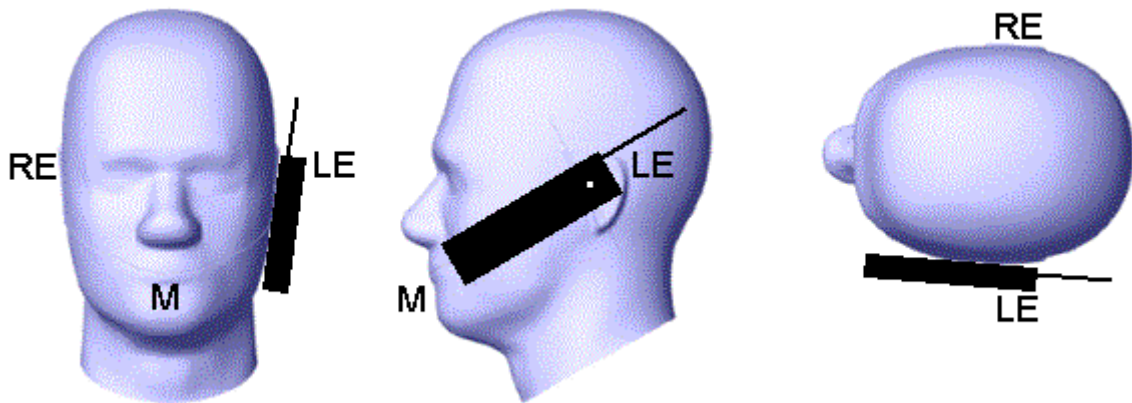


Fig 6.2.3 cheek or touch position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which establish the Reference Plane for handset positioning, are indicated.

6.3. Definition of the tilt position

1. While maintaining the orientation of the handset, retract the handset parallel to the reference plane far enough away from the phantom to enable a rotation of the device by 15 degree.
2. Rotate the Handset around the horizontal line by 15 degree (see Figure 6.3.1).
3. While maintaining the orientation of the handset, move the handset towards the phantom on a line passing through RE and LE until any part of the handset touches the ear. The tilt position is obtained when the contact is on the pinna. If the contact is at any location other than the pinna, e.g., the antenna with the back of the phantom head, the angle of the handset shall be reduced. In this case, the tilt position is obtained if any part of the handset is in contact with the pinna as well as a second part of the handset is in contact with the phantom, e.g., the antenna with the back of the head.

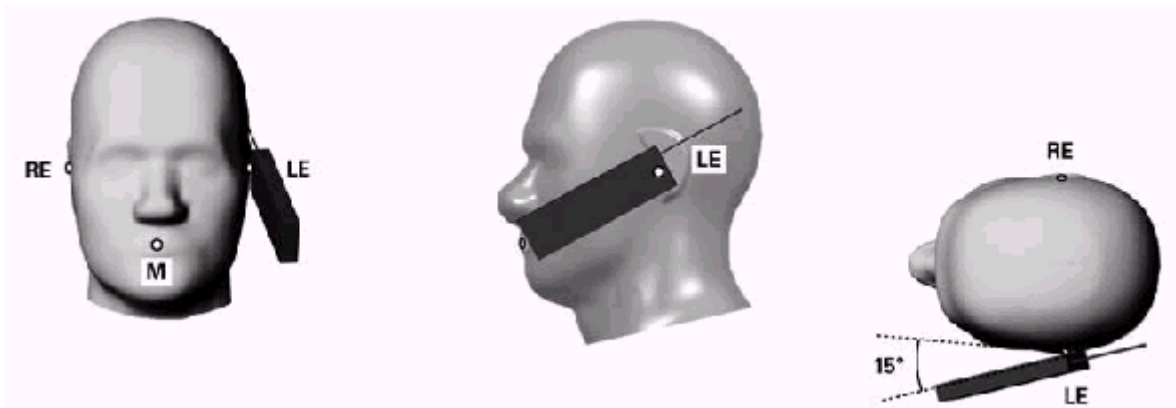


Figure 6.3.1 – Tilt position of the wireless device on the left side of SAM

6.4. Body Worn Accessory

1. Body-worn operating configurations are tested with the belt-clips and holsters attached to the device and positioned against a flat phantom in a normal use configuration (see Figure 6.4.1). Per KDB 648474 D04, 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 FCC KDB 447498 D01 should be 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 applicable. When the reported SAR for body-worn accessory, measured without a headset connected to the handset is $< 1.2 \text{ W/kg}$, the highest reported SAR configuration for that wireless mode and frequency band should be repeated for that body-worn accessory with a handset attached to the handset.
2. Accessories for body-worn operation configurations are divided into two categories: those that do not contain metallic components and those that do contain metallic components and those that do contain metallic components. When multiple accessories that do not contain metallic components are supplied with the device, the device is tested with only the accessory that dictates the closest

spacing to the body. Then multiple accessories that contain metallic components are test with the device with each accessory. If multiple accessories share an identical metallic component (i.e. the same metallic belt-clip used with different holsters with no other metallic components) only the accessory that dictates the closest spacing to the body is tested.

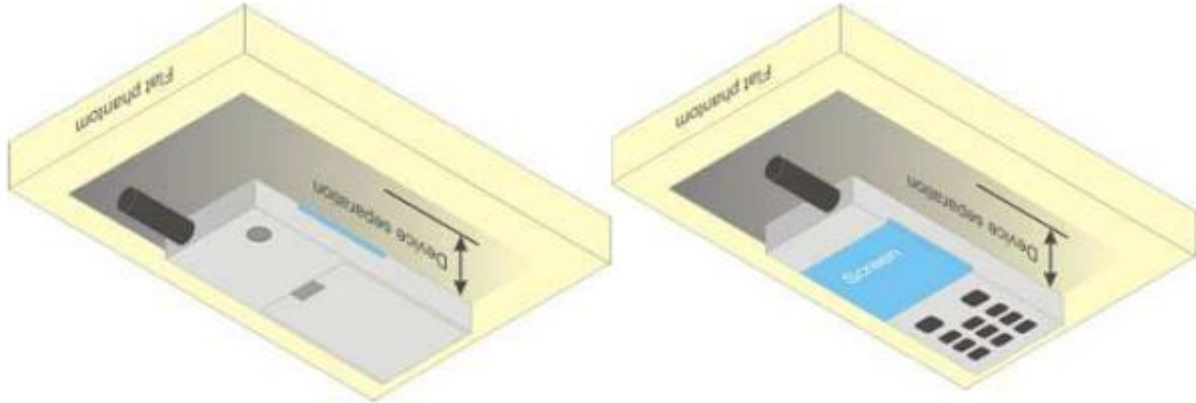


Figure 6.4.1 – Test positions for body-worn devices

6.5. Wireless Router Devices

Some battery-operated handsets have the capability to transmit and receive user through simultaneous transmission of WLAN simultaneously with a separate licensed transmitter. The FCC has provided guidance in FCC KDB Publication 941225 D06 where SAR test considerations for handsets ($L \times W \geq 9 \text{ cm} \times 5 \text{ cm}$) are based on a composite test separation distance of 10mm from the front, back and edges of the device containing transmitting antennas within 2.5cm of their edges, determined from general mixed use conditions for this type of devices. Since the hotspot SAR results may overlap with the body-worn accessory SAR requirements, the more conservative configurations can be considered, thus excluding some body-worn accessory SAR tests.

When the user enables the personal wireless router functions for the handset, actual operations include simultaneous transmission of both the WLAN transmitter and another licensed transmitter. Both transmitters often do not transmit at the same transmitting frequency and thus cannot be evaluated for SAR under actual use conditions due to the limitations of the SAR assessment probes. Therefore, SAR must be evaluated for each frequency transmission and mode separately and spatially summed with the WLAN transmitter according to FCC KDB Publication 447498 D01 publication procedures. The “Portable Hotspot” feature on the handset was NOT activated during SAR assessments, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal at a time.

7. RF Output Power

7.1. Maximum Tune-up Limit

Band	Mode	The Tune-up Maximum Power (Customer Declared)(dBm)	Range	Measured Maximum Output Power(dBm)
GSM 850	GSM Voice	31±1	30~32	31.80
	GPRS	31±1	30~32	31.78
	EGPRS	26±1	25~27	26.88
GSM 1900	GSM Voice	27±1	26~28	28.00
	GPRS	27±1	26~28	27.92
	EGPRS	24±1	23~25	24.43
WCDMA Band V	RMC 12.2Kbps	21.5±1	20.5~22.5	22.39
	HSDPA	20.5±1	19.5~21.5	21.50
	HSUPA	20.5±1	19.5~21.5	21.43
WCDMA Band IV	RMC 12.2Kbps	21.5±1	20.5~22.5	22.09
	HSDPA	20.5±1	19.5~21.5	21.12
	HSUPA	20.5±1	19.5~21.5	21.13
WCDMA Band II	RMC 12.2Kbps	21.5±1	20.5~22.5	22.50
	HSDPA	20.5±1	19.5~21.5	21.48
	HSUPA	20.5±1	19.5~21.5	21.50
LTE Band XII	QPSK	23±1	22~24	23.98
	16QAM	22±1	21~23	23.00
LTE Band XIII	QPSK	23±1	22~24	23.90
	16QAM	23±1	22~24	23.48
LTE Band XIV	QPSK	23±1	22~24	23.88
	16QAM	22±1	21~23	22.98
LTE Band V	QPSK	23±1	22~24	23.77
	16QAM	22±1	21~23	22.98
LTE Band IV	QPSK	22±1	21~23	23.00
	16QAM	22±1	21~23	22.95
LTE Band II	QPSK	22±1	21~23	22.90
	16QAM	21±1	20~22	22.00
LTE Band XXV	QPSK	22±1	21~23	22.98
	16QAM	22±1	21~23	22.31
LTE Band XXVI	QPSK	22.5±1	21.5~23.5	23.28
	16QAM	21.5±1	20.5~22.5	22.50
LTE Band VII	QPSK	22±1	21~23	22.97
	16QAM	22±1	21~23	22.66

LTE Band XLI	QPSK	23±1	22~24	23.98
	16QAM	22±1	21~23	22.60
WLAN 2.4G	802.11b	12.5±1	11.5~13.5	13.3
	802.11g	10.5±1	9.5~11.5	11.5
	802.11n20	10.5±1	9.5~11.5	11.5
	802.11n40	9.5±1	8.5~10.5	10.2
WLAN 5.2G	802.11a	10.5±1	9.5~11.5	11.5
	802.11n(HT20)	10.5±1	9.5~11.5	11.2
	802.11n(HT40)	9.5±1	8.5~10.5	10.2
	802.11ac(VHT20)	10.5±1	9.5~11.5	11.3
	802.11ac(VHT40)	9.5±1	8.5~10.5	10.2
	802.11ac(VHT80)	9.5±1	8.5~10.5	9.2
WLAN 5.3G	802.11a	10±1	9~11	10.7
	802.11n(HT20)	10±1	9~11	10.3
	802.11n(HT40)	9±1	8~10	9.5
	802.11ac(VHT20)	10±1	9~11	10.1
	802.11ac(VHT40)	9±1	8~10	9.3
	802.11ac(VHT80)	9±1	8~10	8.7
WLAN 5.6G	802.11a	10±1	9~11	10.8
	802.11n(HT20)	10±1	9~11	10.3
	802.11n(HT40)	9±1	8~10	9.9
	802.11ac(VHT20)	10±1	9~11	10.5
	802.11ac(VHT40)	9±1	8~10	10.0
	802.11ac(VHT80)	9±1	8~10	8.8
WLAN 5.8G	802.11a	9±1	8~10	9.9
	802.11n(HT20)	9±1	8~10	9.6
	802.11n(HT40)	9±1	8~10	9.0
	802.11ac(VHT20)	9±1	8~10	9.5
	802.11ac(VHT40)	9±1	8~10	8.9
	802.11ac(VHT80)	9±1	8~10	8.4
Bluetooth	BR	-1±1	-2~0	-0.25
	EDR	0±1	-1~1	0.36
	BLE	0±1	-1~1	0.24

7.2. GSM Conducted Power

Band GSM850		Burst-Averaged output Power (dBm)			Frame-Averaged output Power (dBm)			
Tx Channel	Tune-up	128	189	251	Tune-up	128	189	251
Frequency (MHz)	(dBm)	824.2	836.4	848.8	(dBm)	824.2	836.4	848.8
GSM (GMSK)	32.00	31.68	31.80	31.75	22.97	22.65	22.77	22.72
GPRS(GMSK, 1 TS)	32.00	31.72	31.75	31.78	22.97	22.69	22.72	22.75
GPRS(GMSK, 2 TS)	30.00	29.61	29.82	29.91	23.98	23.59	23.80	23.89
GPRS(GMSK, 3 TS)	29.00	28.70	28.72	28.61	24.74	24.44	24.46	24.35
GPRS(GMSK, 4 TS)	28.00	27.92	27.80	27.85	24.99	24.91	24.79	24.84
EDGE(GMSK, 1 TS)	27.00	26.86	26.88	26.75	17.97	17.83	17.85	17.72
EDGE(GMSK, 2 TS)	26.00	25.94	25.96	25.87	19.98	19.92	19.94	19.85
EDGE(GMSK, 3 TS)	26.00	25.65	25.41	25.40	21.74	21.39	21.15	21.14
EDGE(GMSK, 4 TS)	25.00	24.85	24.86	24.91	21.99	21.84	21.85	21.90
Band GSM1900		Burst-Averaged output Power (dBm)			Frame-Averaged output Power (dBm)			
Tx Channel	Tune-up	512	661	810	Tune-up	512	661	810
Frequency (MHz)	(dBm)	1850.2	1880.0	1909.8	(dBm)	1850.2	1880.0	1909.8
GSM (GMSK)	28.00	28.00	27.73	27.68	18.97	18.97	18.70	18.65
GPRS(GMSK, 1 TS)	28.00	27.92	27.60	27.74	18.97	18.89	18.57	18.71
GPRS(GMSK, 2 TS)	28.00	27.40	27.09	27.09	21.98	21.38	21.07	21.07
GPRS(GMSK, 3 TS)	27.00	25.91	26.12	26.09	22.74	21.65	21.86	21.83
GPRS(GMSK, 4 TS)	26.00	25.90	25.82	25.87	22.99	22.89	22.81	22.86
EDGE(GMSK, 1 TS)	25.00	24.43	24.34	24.27	15.97	15.40	15.31	15.24
EDGE(GMSK, 2 TS)	24.00	23.39	23.38	23.46	17.98	17.37	17.36	17.44
EDGE(GMSK, 3 TS)	23.00	22.15	22.07	22.24	18.74	17.89	17.81	17.98
EDGE(GMSK, 4 TS)	22.00	21.36	21.12	21.00	18.99	18.35	18.11	17.99

Note: The frame-averaged power is linearly scaled the maximum burst averaged power over 8 time slots.

The calculated method are shown as below:

Frame-averaged power = Maximum burst averaged power (1 TS) - 9.03 dB

Frame-averaged power = Maximum burst averaged power (2 TS) - 6.02 dB

Frame-averaged power = Maximum burst averaged power (3 TS) - 4.26 dB

Frame-averaged power = Maximum burst averaged power (4 TS) - 3.01 dB

7.3. WCDMA Conducted Power

Band	WCDMA Band V			
Tx Channel	Tune-up	4132	4182	4233
Frequency (MHz)		826.4	836.4	846.6
RMC 12.2Kbps	22.50	22.30	22.33	22.39
HSDPA Subtest-1	21.50	21.50	21.46	21.47

Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		23025/700.5	23095/707.5	23165/714.5
LTE Band XII	1.4MHz	QPSK	1	0	24.00	23.45	23.38	23.72
			1	2	24.00	23.41	23.42	23.73
			1	5	24.00	23.50	23.52	23.66
			3	0	24.00	23.53	23.47	23.64
			3	1	24.00	23.51	23.45	23.68
			3	2	24.00	23.46	23.43	23.75
		16QAM	6	0	23.00	22.67	22.42	22.67
			1	0	23.00	22.52	22.44	22.88
			1	2	23.00	22.42	22.49	23.00
			1	5	23.00	22.54	22.49	22.77
			3	0	23.00	22.61	22.57	22.71
			3	1	23.00	22.63	22.55	22.75
			3	2	23.00	22.64	22.50	22.76
			6	0	22.00	21.49	21.44	21.65
LTE Band XII	3MHz	QPSK	1	0	24.00	23.57	23.58	23.76
			1	7	24.00	23.52	23.48	23.74
			1	14	24.00	23.39	23.45	23.63
			8	0	23.00	22.49	22.53	22.74
			8	4	23.00	22.45	22.48	22.74
			8	7	23.00	22.40	22.42	22.75
			15	0	23.00	22.48	22.54	22.78
		16QAM	1	0	23.00	22.98	22.61	22.82
			1	7	23.00	22.97	22.47	22.95
			1	14	23.00	22.93	22.46	22.79
			8	0	22.00	21.73	21.56	21.73
			8	4	22.00	21.54	21.48	21.75
			8	7	22.00	21.56	21.45	21.79
			15	0	22.00	21.58	21.57	21.71
LTE Band XII	5MHz	QPSK	1	0	24.00	23.75	23.58	23.70
			1	12	24.00	23.62	23.50	23.66
			1	24	24.00	23.56	23.56	23.64

			12	0	23.00	22.59	22.60	22.77		
			12	6	23.00	22.55	22.58	22.74		
			12	11	23.00	22.53	22.54	22.69		
			25	0	23.00	22.60	22.59	22.79		
		16QAM	1	0	23.00	22.57	22.68	22.98		
			1	12	23.00	22.44	22.54	22.91		
			1	24	23.00	22.52	22.98	22.91		
			12	0	22.00	21.55	21.56	21.77		
			12	6	22.00	21.54	21.56	21.75		
			12	11	22.00	21.50	21.77	21.70		
			25	0	22.00	21.69	21.51	21.79		
			Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)	
		RB Size				RB Offset	23060/704		23095/707.5	23130/711
LTE Band XII	10MHz	QPSK	1	0	24.00	23.98	23.92	23.89		
			1	24	24.00	23.62	23.52	23.67		
			1	49	24.00	23.68	23.84	23.81		
			25	0	23.00	22.71	22.66	22.74		
			25	12	23.00	22.68	22.56	22.75		
			25	24	23.00	22.67	22.53	22.77		
			50	0	23.00	22.78	22.66	22.78		
			16QAM	1	0	23.00	22.98	22.87	22.96	
		1		24	23.00	22.94	22.49	22.84		
		1		49	23.00	22.96	22.80	23.00		
		25		0	22.00	21.76	21.72	21.74		
		25		12	22.00	21.75	21.71	21.74		
		25		24	22.00	21.74	21.68	21.75		
		50		0	22.00	21.73	21.68	21.79		

Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		23205/779.5	23230/782	23255/784.5
LTE Band XIII	5MHz	QPSK	1	0	24.00	23.56	23.73	23.81
			1	12	24.00	23.54	23.57	23.89
			1	24	24.00	23.40	23.67	23.83
			12	0	23.00	22.60	22.50	22.76
			12	6	23.00	22.52	22.61	22.75
			12	11	23.00	22.47	22.68	22.73

Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		23230/782		
		16QAM	25	0	23.00	22.65	22.65	22.81
			1	0	23.00	22.62	22.92	22.75
			1	12	23.00	22.59	22.88	22.75
			1	24	23.00	22.48	22.94	22.76
			12	0	22.00	21.45	21.63	21.75
			12	6	22.00	21.49	21.65	21.74
			12	11	22.00	21.55	21.68	21.75
			25	0	22.00	21.57	21.58	21.87
LTE Band XIII	10MHz	QPSK	1	0	24.00	23.90		
			1	24	24.00	23.53		
			1	49	24.00	23.78		
			25	0	23.00	22.85		
			25	12	23.00	22.71		
			25	24	23.00	22.68		
		16QAM	50	0	23.00	22.72		
			1	0	24.00	23.48		
			1	24	24.00	23.13		
			1	49	24.00	23.29		
			25	0	22.00	21.97		
			25	12	22.00	21.82		
			25	24	22.00	21.72		
			50	0	22.00	21.74		

Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		23305/790.5	23330/793	23355/795.5
LTE Band XIV	5MHz	QPSK	1	0	24.00	23.50	23.62	23.82
			1	12	24.00	23.52	23.59	23.88
			1	24	24.00	23.49	23.65	23.79
			12	0	23.00	22.42	22.54	22.87
			12	6	23.00	22.41	22.53	22.81
			12	11	23.00	22.41	22.53	22.74
		16QAM	25	0	23.00	22.47	22.64	22.82
			1	0	23.00	22.59	22.98	22.76
			1	12	23.00	22.62	22.77	22.98

			1	24	23.00	22.56	22.77	22.74
			12	0	22.00	21.44	21.63	21.81
			12	6	22.00	21.45	21.56	21.78
			12	11	22.00	21.45	21.50	21.71
			25	0	22.00	21.47	21.64	21.85
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		23330/793		
LTE Band XIV	10MHz	QPSK	1	0	24.00	23.81		
			1	24	24.00	23.56		
			1	49	24.00	23.71		
			25	0	23.00	22.65		
			25	12	23.00	22.64		
			25	24	23.00	22.61		
		16QAM	50	0	23.00	22.62		
			1	0	23.00	22.87		
			1	24	23.00	22.98		
			1	49	23.00	22.85		
			25	0	22.00	21.81		
			25	12	22.00	21.71		
			25	24	22.00	21.65		
			50	0	22.00	21.59		

Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		20407/824.7	20525/836.5	20643/848.3
LTE Band V	1.4MHz	QPSK	1	0	24.00	23.28	23.41	23.20
			1	2	24.00	23.28	23.47	23.37
			1	5	24.00	23.16	23.26	23.20
			3	0	24.00	23.25	23.36	23.26
			3	1	24.00	23.27	23.37	23.25
			3	2	24.00	23.23	23.35	23.21
		16QAM	6	0	23.00	22.35	22.36	22.23
			1	0	23.00	22.33	22.61	22.20
			1	2	23.00	22.33	22.59	22.31
			1	5	23.00	22.20	22.49	22.16
			3	0	23.00	22.41	22.43	22.51
			3	1	23.00	22.31	22.40	22.87

			3	2	23.00	22.24	22.37	22.36
			6	0	22.00	21.34	21.37	21.25
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		20415/825.5	20525/836.5	20635/847.5
LTE Band V	3MHz	QPSK	1	0	24.00	23.27	23.39	23.38
			1	7	24.00	23.13	23.37	23.28
			1	14	24.00	23.13	23.30	23.35
			8	0	23.00	22.15	22.46	22.41
			8	4	23.00	22.19	22.50	22.38
			8	7	23.00	22.24	22.46	22.34
			15	0	23.00	22.23	22.39	22.48
		16QAM	1	0	23.00	22.74	22.51	22.59
			1	7	23.00	22.68	22.49	22.53
			1	14	23.00	22.68	22.38	22.36
			8	0	22.00	21.38	21.50	21.42
			8	4	22.00	21.47	21.52	21.40
			8	7	22.00	21.49	21.53	21.42
			15	0	22.00	21.35	21.45	21.45
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		20425/826.5	20525/836.5	20625/846.5
LTE Band V	5MHz	QPSK	1	0	24.00	23.34	23.52	23.52
			1	12	24.00	23.28	23.43	23.44
			1	24	24.00	23.23	23.27	23.40
			12	0	23.00	22.35	22.49	22.58
			12	6	23.00	22.29	22.48	22.48
			12	11	23.00	22.27	22.47	22.51
			25	0	23.00	22.32	22.45	22.52
		16QAM	1	0	23.00	22.24	22.61	22.78
			1	12	23.00	22.23	22.58	22.69
			1	24	23.00	22.20	22.37	22.66
			12	0	22.00	21.33	21.54	21.62
			12	6	22.00	21.28	21.53	21.54
			12	11	22.00	21.25	21.44	21.50
			25	0	22.00	21.44	21.45	21.52
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		

			RB Size	RB Offset		20450/829	20525/836.5	20600/844
LTE Band V	10MHz	QPSK	1	0	24.00	23.55	23.69	23.70
			1	24	24.00	23.21	23.43	23.57
			1	49	24.00	23.50	23.77	23.76
			25	0	23.00	22.35	22.48	22.67
			25	12	23.00	22.41	22.45	22.71
			25	24	23.00	22.50	22.55	22.74
			50	0	23.00	22.44	22.52	22.68
		16QAM	1	0	23.00	22.98	22.74	22.93
			1	24	23.00	22.80	22.48	22.79
			1	49	23.00	22.97	22.77	22.95
			25	0	22.00	21.37	21.62	21.67
			25	12	22.00	21.41	21.60	21.74
			25	24	22.00	21.52	21.61	21.76
			50	0	22.00	21.41	21.51	21.75

Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		19957/1710.7	20175/1732.5	20393/1754.3
LTE Band IV	1.4MHz	QPSK	1	0	23.00	22.88	22.74	22.68
			1	2	23.00	23.00	22.57	22.21
			1	5	23.00	22.88	22.54	22.40
			3	0	23.00	22.93	22.64	22.54
			3	1	23.00	22.89	22.69	22.53
			3	2	23.00	22.86	22.74	22.54
			6	0	22.00	21.83	21.66	21.57
		16QAM	1	0	22.00	21.85	21.85	21.83
			1	2	22.00	21.92	21.68	21.82
			1	5	22.00	21.89	21.91	21.63
			3	0	22.00	21.99	21.68	21.68
			3	1	22.00	21.04	21.69	21.61
			3	2	22.00	22.00	21.70	21.58
			6	0	21.00	20.70	20.72	20.65
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		19965/1711.5	20175/1732.5	20385/1753.5
LTE	3MHz	QPSK	1	0	23.00	22.92	22.80	22.74

Band IV			1	7	23.00	22.78	22.63	22.74
			1	14	23.00	22.75	22.66	22.70
			8	0	22.00	21.91	21.76	21.66
			8	4	22.00	21.90	21.75	21.64
			8	7	22.00	21.89	21.70	21.61
			15	0	22.00	21.92	21.73	21.55
			15	0	21.00	20.72	20.71	20.92
		16QAM	1	0	23.00	22.50	21.75	21.96
			1	7	23.00	22.56	21.53	22.04
			1	14	23.00	22.47	21.62	21.88
			8	0	22.00	21.12	20.76	20.63
			8	4	22.00	21.09	20.77	20.68
			8	7	22.00	21.05	20.78	20.74
			15	0	21.00	20.72	20.71	20.92
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		19975/1712.5	20175/1732.5	20375/1752.5
LTE Band IV	5MHz	QPSK	1	0	23.00	22.97	22.91	22.96
			1	12	23.00	22.96	22.87	22.77
			1	24	23.00	22.87	22.75	22.79
			12	0	22.00	22.00	21.85	21.82
			12	6	22.00	21.98	21.79	21.80
			12	11	22.00	22.00	21.77	21.69
			25	0	22.00	21.96	21.78	21.76
		16QAM	1	0	22.00	21.88	21.86	21.99
			1	12	22.00	21.90	21.87	21.87
			1	24	22.00	21.89	21.65	21.95
			12	0	21.00	20.96	20.71	20.80
			12	6	21.00	20.94	20.71	20.71
			12	11	21.00	20.92	20.72	20.65
			25	0	21.00	20.97	20.81	20.77
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		20000/1715	20175/1732.5	20350/1750
LTE Band IV	10MHz	QPSK	1	0	23.00	22.95	22.92	22.91
			1	24	23.00	22.98	22.79	22.69
			1	49	23.00	22.94	22.97	22.76
			25	0	22.00	21.96	21.80	21.82
			25	12	22.00	21.97	21.85	21.88

Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		20025/1717.5	20175/1732.5	20325/1747.5
		16QAM	25	24	22.00	21.99	21.87	21.94
			50	0	22.00	22.00	21.88	21.77
			1	0	23.00	22.95	21.98	22.12
			1	24	23.00	22.49	21.64	21.87
			1	49	23.00	22.78	21.94	21.96
			25	0	21.00	20.95	20.90	20.83
			25	12	21.00	20.98	20.95	20.85
			25	24	21.00	20.99	20.96	20.97
			50	0	21.00	20.96	20.83	20.82
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		20025/1717.5	20175/1732.5	20325/1747.5
LTE Band IV	15MHz	QPSK	1	0	23.00	22.85	22.78	22.74
			1	37	23.00	22.76	22.60	22.59
			1	74	23.00	22.68	22.50	22.58
			36	0	22.00	21.70	21.75	21.60
			36	18	22.00	21.75	21.75	21.59
			36	37	22.00	21.83	21.74	21.57
			75	0	22.00	21.72	21.64	21.57
		16QAM	1	0	23.00	22.46	22.18	22.21
			1	37	23.00	22.42	22.33	21.86
			1	74	23.00	22.28	22.30	21.58
			36	0	21.00	20.78	20.81	20.64
			36	18	21.00	20.81	20.74	20.63
			36	37	21.00	20.84	20.73	20.55
75	0	21.00	20.76	20.68	20.61			
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		20050/1720	20175/1732.5	20300/1745
LTE Band IV	20MHz	QPSK	1	0	23.00	22.86	22.61	22.69
			1	49	23.00	22.65	22.70	22.87
			1	99	23.00	22.82	22.68	22.77
			50	0	22.00	21.77	21.72	21.76
			50	24	22.00	21.71	21.72	21.71
			50	49	22.00	21.68	21.73	21.64
			100	0	22.00	21.73	21.66	21.62
		16QAM	1	0	23.00	21.98	22.14	21.99
			1	49	23.00	22.28	22.48	22.16

			1	99	23.00	21.99	22.29	22.08
			50	0	21.00	20.67	20.74	20.78
			50	24	21.00	20.65	20.78	20.79
			50	49	21.00	20.63	20.67	20.66
			100	0	21.00	20.73	20.65	20.63

Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		18607/1850.7	18900/1880	19193/1909.3
LTE Band II	1.4MHz	QPSK	1	0	23.00	22.38	22.46	22.51
			1	2	23.00	22.45	22.44	22.55
			1	5	23.00	22.38	22.38	22.50
			3	0	23.00	22.31	22.42	22.47
			3	1	23.00	22.31	22.39	22.46
			3	2	23.00	22.32	22.36	22.46
		16QAM	1	0	22.00	21.65	21.48	21.49
			1	2	22.00	21.59	21.53	21.58
			1	5	22.00	21.66	21.45	21.58
			3	0	22.00	21.31	21.48	21.65
			3	1	22.00	21.35	21.48	21.59
			3	2	22.00	21.37	21.49	21.54
			6	0	21.00	20.45	20.41	20.40

Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		18615/1851.5	18900/1880	19185/1908.5
LTE Band II	3MHz	QPSK	1	0	23.00	22.47	22.39	22.59
			1	7	23.00	22.27	22.46	22.56
			1	14	23.00	22.26	22.35	22.46
			8	0	22.00	21.47	21.47	21.57
			8	4	22.00	21.36	21.45	21.59
			8	7	22.00	21.34	21.39	21.64
			15	0	22.00	21.32	21.40	21.61
		16QAM	1	0	22.00	21.96	21.43	21.76
			1	7	22.00	21.80	21.44	21.81
			1	14	22.00	21.93	21.28	21.69
			8	0	21.00	20.57	20.49	20.59
8	4	21.00	20.55	20.48	20.58			

Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		18625/1852.5	18900/1880	19175/1907.5
			8	7	21.00	20.51	20.48	20.58
			15	0	21.00	20.41	20.47	20.55
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		18625/1852.5	18900/1880	19175/1907.5
LTE Band II	5MHz	QPSK	1	0	23.00	22.46	22.44	22.81
			1	12	23.00	22.38	22.37	22.60
			1	24	23.00	22.37	22.42	22.53
			12	0	22.00	21.45	21.40	21.69
			12	6	22.00	21.37	21.38	21.64
			12	11	22.00	21.32	21.34	21.56
			25	0	22.00	21.43	21.36	21.64
		16QAM	1	0	22.00	21.43	21.62	21.97
			1	12	22.00	21.40	21.51	22.00
			1	24	22.00	21.37	21.39	21.88
			12	0	21.00	20.47	20.39	20.67
			12	6	21.00	20.39	20.37	20.66
			12	11	21.00	20.36	20.34	20.65
			25	0	21.00	20.47	20.40	20.63
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		18650/1855	18900/1880	19150/1905
LTE Band II	10MHz	QPSK	1	0	23.00	22.48	22.42	22.58
			1	24	23.00	22.46	22.27	22.53
			1	49	23.00	22.37	22.28	22.48
			25	0	22.00	21.44	21.31	21.61
			25	12	22.00	21.46	21.26	21.53
			25	24	22.00	21.49	21.21	21.49
			50	0	22.00	21.46	21.31	21.48
		16QAM	1	0	22.00	21.98	21.36	21.81
			1	24	22.00	21.95	21.21	21.69
			1	49	22.00	21.97	21.33	21.78
			25	0	21.00	20.50	20.47	20.61
			25	12	21.00	20.54	20.32	20.59
			25	24	21.00	20.58	20.29	20.54
			50	0	21.00	20.51	20.35	20.54
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		

Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		18700/1860	18900/1880	19100/1900
LTE Band II	15MHz	QPSK	1	0	23.00	22.62	22.44	22.90
			1	37	23.00	22.35	22.11	22.53
			1	74	23.00	22.29	22.41	22.57
			36	0	22.00	21.49	21.40	21.58
			36	18	22.00	21.45	21.39	21.57
			36	37	22.00	21.41	21.37	21.57
			75	0	22.00	21.47	21.30	21.54
		16QAM	1	0	22.00	21.00	21.88	21.92
			1	37	22.00	21.96	21.73	21.72
			1	74	22.00	21.92	21.86	21.77
			36	0	21.00	20.45	20.47	20.59
			36	18	21.00	20.48	20.45	20.57
			36	37	21.00	20.51	20.43	20.56
			75	0	21.00	20.50	20.30	20.57

Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		26047/1850.7	26365/1882.5	26683/1914.3
LTE	1.4MHz	QPSK	1	0	23.00	22.49	22.36	22.56

Band XXV			1	2	23.00	22.56	22.26	22.55
			1	5	23.00	22.39	22.21	22.82
			3	0	23.00	22.43	22.96	22.59
			3	1	23.00	22.42	22.31	22.58
			3	2	23.00	22.41	22.28	22.56
			6	0	22.00	21.49	21.24	21.39
		16QAM	1	0	22.00	21.67	21.34	21.70
			1	2	22.00	21.65	21.35	21.71
			1	5	22.00	21.59	21.33	21.57
			3	0	22.00	21.47	21.45	21.75
			3	1	22.00	21.45	21.44	21.61
			3	2	22.00	21.37	21.43	21.55
			6	0	21.00	20.47	20.30	20.50
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		26055/1851.5	26365/1882.5	26675/1913.5
LTE Band XXV	3MHz	QPSK	1	0	23.00	22.66	22.28	22.68
			1	7	23.00	22.48	22.08	22.60
			1	14	23.00	22.45	22.24	22.53
			8	0	22.00	21.56	21.35	21.52
			8	4	22.00	21.45	21.32	21.58
			8	7	22.00	21.39	21.32	21.61
			15	0	22.00	21.44	21.32	21.51
		16QAM	1	0	22.00	22.00	21.32	21.79
			1	7	22.00	21.98	21.33	21.74
			1	14	22.00	21.96	21.46	21.77
			8	0	21.00	20.75	20.39	20.62
			8	4	21.00	20.78	20.35	20.59
			8	7	21.00	20.60	20.34	20.58
			15	0	21.00	20.52	20.36	20.64
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		26065/1852.5	26365/1882.5	26665/1912.5
LTE Band XXV	5MHz	QPSK	1	0	23.00	22.54	22.46	22.67
			1	12	23.00	22.47	22.32	22.51
			1	24	23.00	22.32	22.22	22.51
			12	0	22.00	21.47	21.30	21.64
			12	6	22.00	21.45	21.31	21.63

Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		26090/1855	26365/1882.5	26640/1910
		16QAM	12	11	22.00	21.34	21.26	21.60
			25	0	22.00	21.42	21.30	21.56
			1	0	22.00	21.56	21.62	21.92
			1	12	22.00	21.43	21.47	22.00
			1	24	22.00	21.31	21.50	21.80
			12	0	21.00	20.43	20.29	20.68
			12	6	21.00	20.42	20.28	20.69
			12	11	21.00	20.41	20.25	20.70
			25	0	21.00	20.51	20.38	20.80
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		26090/1855	26365/1882.5	26640/1910
LTE Band XXV	10MHz	QPSK	1	0	23.00	22.57	22.44	22.72
			1	24	23.00	22.31	22.28	22.52
			1	49	23.00	22.57	22.50	22.59
			25	0	22.00	21.36	21.33	21.56
			25	12	22.00	21.39	21.37	21.59
			25	24	22.00	21.40	21.36	21.74
		16QAM	50	0	22.00	21.60	21.37	21.60
			1	0	22.00	21.80	21.40	21.84
			1	24	22.00	21.96	21.24	21.69
			1	49	22.00	21.95	21.47	21.92
			25	0	21.00	20.45	20.43	20.66
			25	12	21.00	20.49	20.43	20.69
			25	24	21.00	20.50	20.42	20.74
50	0	21.00	20.46	20.36	20.69			
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		26115/1857.5	26365/1882.5	26615/1907.5
LTE Band XXV	15MHz	QPSK	1	0	23.00	22.60	22.58	22.86
			1	37	23.00	22.45	22.51	22.81
			1	74	23.00	22.35	22.54	22.80
			36	0	22.00	21.57	21.52	21.87
			36	18	22.00	21.56	21.58	21.91
			36	37	22.00	21.54	21.64	21.96
			75	0	22.00	21.55	21.55	21.90
		16QAM	1	0	23.00	22.26	22.03	22.01
			1	37	23.00	22.16	21.96	21.99

Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		26140/1860	26365/1882.5	26590/1905
			1	74		23.00	22.31	21.94
			36	0	21.00	20.66	20.50	20.88
			36	18	21.00	20.66	20.55	20.91
			36	37	21.00	20.67	20.59	20.95
			75	0	21.00	20.60	20.51	20.94
LTE Band XXV	20MHz	QPSK	1	0	23.00	22.54	22.48	22.87
			1	49	23.00	22.50	22.24	22.85
			1	99	23.00	22.15	22.98	22.91
			50	0	22.00	21.69	21.52	21.88
			50	24	22.00	21.40	21.49	21.81
			50	49	22.00	21.36	21.45	21.78
			100	0	22.00	21.55	21.87	21.82
		16QAM	1	0	22.00	21.88	21.95	21.89
			1	49	22.00	21.83	21.99	22.00
			1	99	22.00	21.51	21.78	21.72
			50	0	21.00	20.49	20.57	20.90
			50	24	21.00	20.46	20.48	20.88
			50	49	21.00	20.45	20.46	20.82
			100	0	21.00	20.50	20.50	20.87

Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		20775/2502.5	21100/2535	21425/2567.5
			1	0		23.00	22.87	22.66
LTE Band VII	5MHz	QPSK	1	12	23.00	22.63	22.56	22.23
			1	24	23.00	22.67	22.59	21.91
			12	0	22.00	21.69	21.78	21.52
			12	6	22.00	21.62	21.72	21.49
			12	11	22.00	21.59	21.64	21.46
			25	0	22.00	21.67	21.66	21.44
		16QAM	1	0	23.00	22.06	22.66	21.60
			1	12	23.00	22.07	22.56	21.49
			1	24	23.00	21.91	22.59	21.14
			12	0	22.00	20.79	21.78	20.50
	12	6	22.00	20.74	21.68	20.45		

Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		20800/2505	21100/2535	21400/2565
			12	11	22.00	20.70	21.64	20.40
			25	0	22.00	20.70	21.66	20.53
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		20800/2505	21100/2535	21400/2565
LTE Band VII	10MHz	QPSK	1	0	23.00	22.93	22.86	22.65
			1	24	23.00	22.50	22.57	22.24
			1	49	23.00	22.76	22.77	21.70
			25	0	22.00	21.74	21.62	21.51
			25	12	22.00	21.70	21.58	21.53
			25	24	22.00	21.67	21.56	21.56
			50	0	22.00	21.69	21.68	21.41
		16QAM	1	0	22.00	22.00	21.97	21.85
			1	24	22.00	21.97	21.65	21.69
			1	49	22.00	21.95	21.79	21.08
			25	0	21.00	20.81	20.79	20.53
			25	12	21.00	20.80	20.68	20.49
			25	24	21.00	20.79	20.65	20.46
			50	0	21.00	20.77	20.62	20.52
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		20825/2507.5	21100/2535	21375/2562.5
LTE Band VII	15MHz	QPSK	1	0	23.00	22.58	22.70	22.53
			1	37	23.00	22.65	22.53	22.47
			1	74	23.00	22.44	22.62	21.90
			36	0	22.00	21.81	21.78	21.62
			36	18	22.00	21.66	21.77	21.54
			36	37	22.00	21.65	21.78	21.49
			75	0	22.00	21.82	21.67	21.53
		16QAM	1	0	22.00	21.96	22.00	21.70
			1	37	22.00	21.87	21.94	21.64
			1	74	22.00	21.92	21.97	21.33
			36	0	21.00	20.78	20.77	20.61
			36	18	21.00	20.74	20.75	20.58
			36	37	21.00	20.70	20.73	20.56
			75	0	21.00	20.85	20.70	20.63
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		

			RB Size	RB Offset		20850/2510	21100/2535	21350/2560
LTE Band VII	20MHz	QPSK	1	0	23.00	22.68	22.97	22.58
			1	49	23.00	22.51	22.60	22.52
			1	99	23.00	22.65	22.49	21.95
			50	0	22.00	21.79	21.75	21.55
			50	24	22.00	21.74	21.68	21.54
			50	49	22.00	21.96	21.98	21.53
			100	0	22.00	21.80	21.72	21.62
		16QAM	1	0	22.00	21.97	21.96	21.75
			1	49	22.00	21.91	21.93	21.54
			1	99	22.00	21.95	21.94	21.39
			50	0	21.00	20.74	20.75	20.64
			50	24	21.00	20.74	20.65	20.63
			50	49	21.00	20.73	20.63	20.61
			100	0	21.00	20.87	20.71	20.72

Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		40040/2535	40620/2593	41240/2655
LTE Band XLI	5MHz	QPSK	1	0	24.00	23.52	23.14	22.91
			1	12	24.00	23.43	23.41	22.81
			1	24	24.00	23.41	23.29	22.80
			12	0	23.00	22.43	21.91	21.87
			12	6	23.00	22.32	21.45	21.86
			12	11	23.00	22.22	22.30	21.85
			25	0	23.00	22.15	22.31	21.97
		16QAM	1	0	23.00	22.50	22.02	22.13
			1	12	23.00	22.47	22.51	22.35
			1	24	23.00	22.36	22.26	21.97
			12	0	22.00	21.44	20.89	21.19
			12	6	22.00	21.36	20.88	21.10
			12	11	22.00	21.25	20.88	20.83
			25	0	22.00	21.39	20.92	20.84
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		40065/2537.5	40620/2593	41215/2652.5
LTE	10MHz	QPSK	1	0	24.00	23.56	23.12	23.09

Band XLI			1	24	24.00	23.15	22.98	22.89
			1	49	24.00	23.40	23.15	22.96
			25	0	23.00	22.24	21.92	21.88
			25	12	23.00	22.31	21.90	21.90
			25	24	23.00	22.41	21.98	21.95
			50	0	23.00	22.20	22.03	21.81
			50	24	23.00	22.41	21.98	21.95
		16QAM	1	0	23.00	22.42	22.33	22.10
			1	24	23.00	22.21	22.60	22.17
			1	49	23.00	22.58	22.49	22.01
			25	0	22.00	21.36	20.93	21.25
			25	12	22.00	21.29	20.99	20.98
			25	24	22.00	21.20	21.36	20.91
			50	0	22.00	21.24	21.04	20.91
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		40090/2540	40620/2593	41190/2650
LTE Band XLI	15MHz	QPSK	1	0	24.00	23.31	23.12	23.16
			1	37	24.00	23.02	23.10	22.71
			1	74	24.00	23.29	23.11	23.16
			36	0	23.00	22.39	22.51	22.13
			36	18	23.00	22.31	22.45	21.99
			36	37	23.00	22.27	22.41	21.97
			75	0	23.00	22.18	22.36	22.28
		16QAM	1	0	23.00	22.23	22.09	21.92
			1	37	23.00	22.06	21.98	21.57
			1	74	23.00	22.60	22.54	21.96
			36	0	22.00	21.25	21.55	21.37
			36	18	22.00	21.24	21.35	21.21
			36	37	22.00	21.21	21.29	20.97
			75	0	22.00	21.13	21.50	21.07
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		40115/2542.5	40620/2593	41165/2647.5
LTE Band XLI	20MHz	QPSK	1	0	24.00	23.08	23.98	22.79
			1	49	24.00	23.19	23.95	22.67
			1	99	24.00	23.32	23.91	23.11
			50	0	23.00	22.20	22.93	22.10
			50	24	23.00	22.20	22.94	22.18

			50	49	23.00	22.21	22.99	22.25
			100	0	23.00	22.29	22.21	22.03
		16QAM	1	0	23.00	22.10	22.29	22.04
			1	49	23.00	22.26	22.01	21.84
			1	99	23.00	22.32	22.20	22.02
			50	0	22.00	21.24	21.39	21.10
			50	24	22.00	21.29	21.24	21.15
			50	49	22.00	21.31	21.13	21.17
			100	0	22.00	21.30	21.10	21.34

Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		26697/814.7	26740/819	26783/823.3
LTE Band XXVI	1.4MHz	QPSK	1	0	23.50	23.11	22.79	23.09
			1	2	23.50	23.17	22.79	23.28
			1	5	23.50	22.98	22.79	23.27
			3	0	23.50	23.00	22.87	23.20
			3	1	23.50	23.05	22.85	23.22
			3	2	23.50	23.07	22.84	23.25
			6	0	22.50	22.10	21.90	22.19
		16QAM	1	0	22.50	22.16	21.97	22.13
			1	2	22.50	22.17	22.02	22.31
			1	5	22.50	21.96	22.01	22.27
			3	0	22.50	22.13	21.83	22.50
			3	1	22.50	22.15	21.82	22.48
			3	2	22.50	22.17	21.81	22.42
			6	0	21.50	21.08	21.00	21.15

Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		26705/815.5	26740/819	26775/822.5
LTE Band XXVI	3MHz	QPSK	1	0	23.50	23.21	22.94	23.18
			1	7	23.50	23.13	23.01	23.19
			1	14	23.50	22.99	22.99	23.26
			8	0	22.50	22.18	22.05	22.37
			8	4	22.50	22.18	21.99	22.36
			8	7	22.50	22.17	21.95	22.38
			15	0	22.50	22.17	21.98	22.40
		16QAM	1	0	22.50	22.37	21.98	22.28

			1	7	22.50	22.35	22.02	22.32
			1	14	22.50	22.38	22.06	22.44
			8	0	21.50	21.42	21.09	21.34
			8	4	21.50	21.40	21.08	21.35
			8	7	21.50	21.32	21.07	21.36
			15	0	21.50	21.28	21.09	21.32
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		26715/816.5	26740/819	26765/821.5
LTE Band XXVI	5MHz	QPSK	1	0	23.50	23.21	22.89	23.21
			1	12	23.50	23.08	22.90	23.26
			1	24	23.50	22.89	22.84	23.21
			12	0	22.50	22.11	22.02	22.28
			12	6	22.50	22.10	22.03	22.30
			12	11	22.50	22.06	22.04	22.33
			25	0	22.50	22.10	22.01	22.37
		16QAM	1	0	22.50	22.15	22.01	22.48
			1	12	22.50	21.93	22.14	22.49
			1	24	22.50	21.86	21.96	22.47
			12	0	21.50	21.22	21.10	21.37
			12	6	21.50	21.18	21.11	21.39
			12	11	21.50	21.14	21.09	21.44
			25	0	21.50	21.15	21.09	21.40
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		26740/819		
LTE Band XXVI	10MHz	QPSK	1	0	23.50	23.28		
			1	24	23.50	22.85		
			1	49	23.50	22.99		
			25	0	22.50	22.02		
			25	12	22.50	22.05		
			25	24	22.50	21.94		
			50	0	22.50	21.96		
		16QAM	1	0	22.50	22.33		
			1	24	22.50	22.42		
			1	49	22.50	22.34		
			25	0	21.50	21.13		
			25	12	21.50	21.04		

			25	24	21.50	20.97
			50	0	21.50	21.07

7.5. WLAN & Bluetooth Output Power

7.5.1. Output Power Results Of WLAN

Mode	Channel	Frequency (MHz)	Tune-up	Output Power (dBm)
802.11b	1	2412	13.5	13.3
	6	2437	12.5	11.9
	11	2462	12.5	11.4
802.11g	1	2412	11.5	11.5
	6	2437	10.5	10.4
	11	2462	10.5	10.1
802.11n HT20	1	2412	11.5	11.5
	6	2437	10.5	10.5
	11	2462	10.5	10.2
802.11n HT40	3	2422	10.5	10.1
	6	2437	10.5	10.2
	9	2452	10.5	9.9

NOTE: Power measurement results of WLAN 2.4G.

Mode	Channel	Frequency (MHz)	Tune-up	Output Power (dBm)
802.11a	36	5180	11.5	10.3
	40	5200	11.5	10.7
	48	5240	11.5	11.5
802.11n HT20	36	5180	11.5	9.9
	40	5200	11.5	10.3
	48	5240	11.5	11.2
802.11n HT40	38	5190	10.5	9.3
	46	5230	10.5	10.2
802.11ac VHT20	36	5180	11.5	10.1
	40	5200	11.5	10.4
	48	5240	11.5	11.3
802.11ac VHT40	38	5190	10.5	9.3
	46	5230	10.5	10.2
802.11ac VHT80	42	5210	10.5	9.2

NOTE: Power measurement results of WLAN 5.2G.

Mode	Channel	Frequency (MHz)	Tune-up	Output Power (dBm)
802.11a	149	5745	10.0	9.9
	157	5785	10.0	9.8
	165	5825	10.0	9.7
802.11n HT20	149	5745	10.0	9.6
	157	5785	10.0	9.4
	165	5825	10.0	9.3
802.11n HT40	151	5755	10.0	9.0
	159	5795	10.0	8.9
802.11ac VHT20	149	5745	10.0	9.5
	157	5785	10.0	9.4
	165	5825	10.0	9.2
802.11ac VHT40	151	5755	10.0	8.9
	159	5795	10.0	8.8
802.11ac VHT80	155	5775	10.0	8.4

NOTE: Power measurement results of WLAN 5.8G.

Mode	Channel	Frequency (MHz)	Tune-up	Output Power (dBm)
802.11a	52	5260	11.0	10.0
	56	5280	11.0	10.5
	64	5320	11.0	10.7
802.11n (HT20)	52	5260	11.0	9.6
	56	5280	11.0	10.1
	64	5320	11.0	10.3
802.11n (HT40)	54	5270	10.0	9.2
	62	5310	10.0	9.5
802.11n (VHT20)	52	5260	11.0	9.4
	56	5280	11.0	9.8
	64	5320	11.0	10.1
802.11n (VHT40)	54	5270	10.0	8.9
	62	5310	10.0	9.3
802.11n (VHT80)	58	5290	10.0	8.7

NOTE: Power measurement results of WLAN 5.3G.

Mode	Channel	Frequency (MHz)	Tune-up	Output Power (dBm)
802.11a	100	5500	11.0	10.5
	120	5600	11.0	10.7
	140	5700	11.0	10.8
802.11n (HT20)	100	5500	11.0	10.0
	120	5600	11.0	10.1
	140	5700	11.0	10.3
802.11n (HT40)	102	5510	10.0	9.4
	118	5590	10.0	9.6
	134	5670	10.0	9.9
802.11n (VHT20)	100	5500	11.0	10.0
	120	5600	11.0	10.3
	140	5700	11.0	10.5
802.11n (VHT40)	102	5510	10.0	9.4
	118	5590	10.0	9.7
	134	5670	10.0	10.0
802.11n (VHT80)	106	5530	10.0	8.8
	122	5610	10.0	9.0

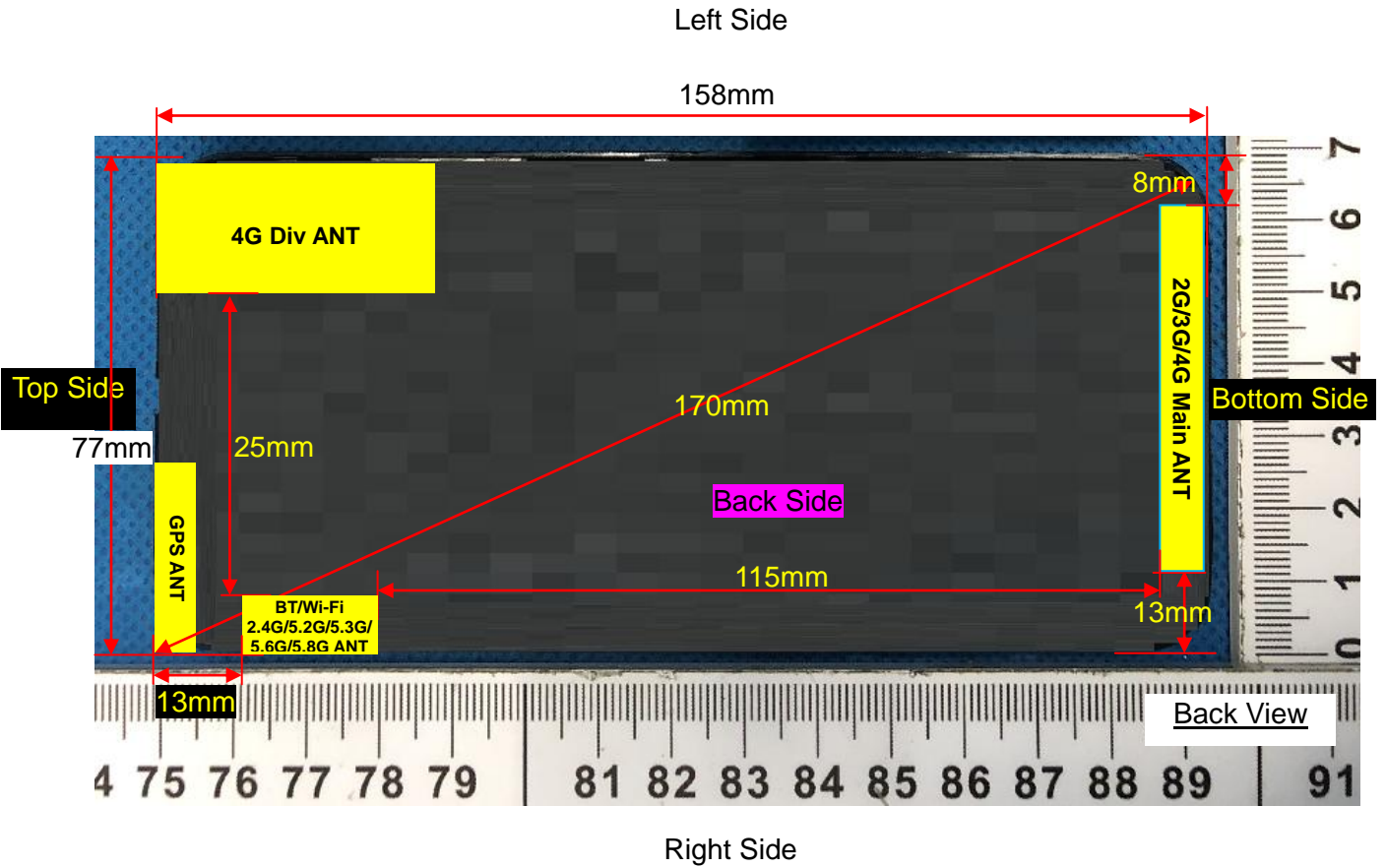
NOTE: Power measurement results of WLAN 5.6G.

7.5.2. Output Power Results Of Bluetooth

BR+EDR	Output Power (dBm)				
	Channel	Tune-up	Data Rates		
			1M	2M	3M
	0CH	0.00	-0.43	-0.54	-0.25
	39CH	1.00	0.20	0.07	0.36
	78CH	-1.00	-1.89	-2.12	-1.80

BLE	Channel	Tune-up	Output Power (dBm)
	0CH	0.00	-0.29
	19CH	1.00	0.24
	39CH	-1.00	-1.69

8. Antenna Location



Distance of the Antenna to the EUT surface/edge						
Antennas	Front Side	Back Side	Left Side	Right Side	Top Side	Bottom Side
WWAN Main	≤ 25mm	≤ 25mm	≤ 25mm	≤ 25mm	>25mm	≤ 25mm
WLAN & Bluetooth	≤ 25mm	≤ 25mm	>25mm	≤ 25mm	≤ 25mm	>25mm
Positions for SAR tests						
Antennas	Front Side	Back Side	Left Side	Right Side	Top Side	Bottom Side
WWAN Main	Yes	Yes	Yes	Yes	NO	Yes
WLAN & Bluetooth	Yes	Yes	NO	Yes	Yes	NO

9. Stand-alone SAR test exclusion

Refer to FCC KDB 447498D01, the 1-g SAR and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f_{\text{(GHz)}}}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where:

- $f_{\text{(GHz)}}$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

Mode	P_{max} (dBm)	P_{max} (mW)	Distance (mm)	f (GHz)	Calculation Result	SAR Exclusion threshold	SAR test exclusion
Bluetooth	1.00	1.26	5	2.480	0.40	3.0	Yes

NOTE: Standalone SAR test exclusion for Bluetooth

When standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to following to determine simultaneous transmission SAR test exclusion:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f_{\text{(GHz)}}/x}] \text{ W/kg}$ for test separation distances $\leq 50\text{mm}$, where $x = 7.5$ for 1-g SAR and $x = 18.75$ for 10-g SAR.

When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

Mode	Position	P_{max} (dBm)	P_{max} (mW)	Distance (mm)	f (GHz)	x	Estimated SAR (W/Kg)
Bluetooth	Head	1.00	1.26	5	2.480	7.5	0.053
Bluetooth	Body	1.00	1.26	10	2.480	7.5	0.026
Bluetooth	Hotspot	1.00	1.26	10	2.480	7.5	0.026

NOTE: Estimated SAR calculation for Bluetooth

10. SAR Results

10.1. SAR measurement results

10.1.1. SAR measurement Result of GSM850

Test Position of Head	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)
			1-g	10-g				
Left Cheek	189/836.4	GPRS(GMSK 4TS)	0.442	0.325	0.66	27.80	28.00	0.463
Left Tilt 15 Degree	189/836.4	GPRS(GMSK 4TS)	0.234	0.178	0.12	27.80	28.00	0.245
Right Cheek	189/836.4	GPRS(GMSK 4TS)	0.413	0.307	-2.56	27.80	28.00	0.432
Right Tilt 15 Degree	189/836.4	GPRS(GMSK 4TS)	0.220	0.172	0.31	27.80	28.00	0.230

NOTE: Head SAR test results of GSM850.

Test Position of Body-Worn with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
Front Side	189/836.4	GPRS(GMSK 4TS)	0.274	0.206	0.83	27.80	28.00	0.287
Back Side	189/836.4	GPRS(GMSK 4TS)	0.995	0.511	2.31	27.80	28.00	1.042
Back Side - Repeated	189/836.4	GPRS(GMSK 4TS)	0.981	0.502	0.74	27.80	28.00	1.027
Back Side	128/824.2	GPRS(GMSK 4TS)	0.876	0.460	0.48	27.92	28.00	0.892
Back Side	251/848.8	GPRS(GMSK 4TS)	0.880	0.464	0.17	27.85	28.00	0.911

NOTE: Body-Worn SAR test results of GSM850

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
Front Side	189/836.4	GPRS(GMSK 4TS)	0.274	0.206	0.83	27.80	28.00	0.287

Back Side	189/836.4	GPRS(GMSK 4TS)	0.995	0.511	2.31	27.80	28.00	1.042
Back Side - Repeated	189/836.4	GPRS(GMSK 4TS)	0.981	0.502	0.74	27.80	28.00	1.027
Left Side	189/836.4	GPRS(GMSK 4TS)	0.345	0.254	3.61	27.80	28.00	0.361
Right Side	189/836.4	GPRS(GMSK 4TS)	0.314	0.241	-0.12	27.80	28.00	0.329
Bottom Side	189/836.4	GPRS(GMSK 4TS)	0.436	0.289	3.47	27.80	28.00	0.457
Back Side	128/824.2	GPRS(GMSK 4TS)	0.876	0.460	0.48	27.92	28.00	0.892
Back Side	251/848.8	GPRS(GMSK 4TS)	0.880	0.464	0.17	27.85	28.00	0.911

NOTE: Hotspot SAR test results of GSM850

10.1.2. SAR measurement Result of GSM1900

Test Position of Head	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
Left Cheek	661/1880	GPRS(GMSK 4TS)	0.384	0.234	2.77	25.82	26.00	0.400
Left Tilt 15 Degree	661/1880	GPRS(GMSK 4TS)	0.147	0.091	0.12	25.82	26.00	0.153
Right Cheek	661/1880	GPRS(GMSK 4TS)	0.356	0.207	-3.47	25.82	26.00	0.371
Right Tilt 15 Degree	661/1880	GPRS(GMSK 4TS)	0.132	0.082	-1.58	25.82	26.00	0.138

NOTE: Head SAR test results of GSM1900

Test Position of Body-Worn with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
Front Side	661/1880	GPRS(GMSK 4TS)	0.475	0.270	0.14	25.82	26.00	0.495
Back Side	661/1880	GPRS(GMSK 4TS)	0.542	0.316	1.27	25.82	26.00	0.565

NOTE: Body-Worn SAR test results of GSM1900

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
Front Side	661/1880	GPRS(GMSK 4TS)	0.475	0.270	0.14	25.82	26.00	0.495
Back Side	661/1880	GPRS(GMSK 4TS)	0.542	0.316	1.27	25.82	26.00	0.565

		4TS)						
Left Side	661/1880	GPRS(GMSK 4TS)	0.328	0.229	0.39	25.82	26.00	0.342
Right Side	661/1880	GPRS(GMSK 4TS)	0.359	0.238	1.74	25.82	26.00	0.374
Bottom Side	661/1880	GPRS(GMSK 4TS)	1.113	0.642	4.28	25.82	26.00	1.160
Bottom Side	512/1850.2	GPRS(GMSK 4TS)	1.005	0.633	3.71	25.90	26.00	1.028
Bottom Side	512/1850.2	GPRS(GMSK 4TS)	1.239	0.651	0.25	25.87	26.00	1.277
Bottom Side - Repeated	810/1909.8	GPRS(GMSK 4TS)	1.231	0.645	0.70	25.87	26.00	1.268

NOTE: Hotspot SAR test results of GSM1900

10.1.3. SAR measurement Result of WCDMA Band V

Test Position of Head	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
Left Cheek	4182/836.4	RMC12.2K	0.242	0.189	2.60	22.33	22.50	0.252
Left Tilt 15 Degree	4182/836.4	RMC12.2K	0.178	0.147	3.65	22.33	22.50	0.185
Right Cheek	4182/836.4	RMC12.2K	0.235	0.181	-0.27	22.33	22.50	0.244
Right Tilt 15 Degree	4182/836.4	RMC12.2K	0.170	0.141	1.45	22.33	22.50	0.177

NOTE: Head SAR test results of WCDMA Band V

Test Position of Body-Worn with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
Front Side	4182/836.4	RMC12.2K	0.225	0.156	3.65	22.33	22.50	0.234
Back Side	4182/836.4	RMC12.2K	0.469	0.251	0.19	22.33	22.50	0.488

NOTE: Body-Worn SAR test results of WCDMA Band V

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
Front Side	4182/836.4	RMC12.2K	0.225	0.156	3.65	22.33	22.50	0.234
Back Side	4182/836.4	RMC12.2K	0.469	0.251	0.19	22.33	22.50	0.488
Left Side	4182/836.4	RMC12.2K	0.124	0.085	1.12	22.33	22.50	0.129
Right Side	4182/836.4	RMC12.2K	0.136	0.089	0.67	22.33	22.50	0.141
Bottom Side	4182/836.4	RMC12.2K	0.207	0.122	1.47	22.33	22.50	0.215

NOTE: Hotspot SAR test results of WCDMA Band V

10.1.4. SAR measurement Result of WCDMA Band IV

Test Position of Head	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
Left Cheek	1413/1732.6	RMC12.2K	0.334	0.210	4.06	22.08	22.50	0.368
Left Tilt 15 Degree	1413/1732.6	RMC12.2K	0.213	0.176	2.51	22.08	22.50	0.235
Right Cheek	1413/1732.6	RMC12.2K	0.315	0.197	0.36	22.08	22.50	0.347
Right Tilt 15 Degree	1413/1732.6	RMC12.2K	0.206	0.172	1.82	22.08	22.50	0.227

NOTE: Head SAR test results of WCDMA Band IV

Test Position of Body-Worn with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
Front Side	1413/1732.6	RMC12.2K	0.402	0.310	3.64	22.08	22.50	0.443
Back Side	1413/1732.6	RMC12.2K	0.612	0.365	-0.84	22.08	22.50	0.674

NOTE: Body-Worn SAR test results of WCDMA Band IV

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
Front Side	1413/1732.6	RMC12.2K	0.402	0.310	3.64	22.08	22.50	0.443
Back Side	1413/1732.6	RMC12.2K	0.612	0.365	-0.84	22.08	22.50	0.674
Left Side	1413/1732.6	RMC12.2K	0.368	0.292	1.24	22.08	22.50	0.405
Right Side	1413/1732.6	RMC12.2K	0.371	0.294	3.71	22.08	22.50	0.409
Bottom Side	1413/1732.6	RMC12.2K	0.662	0.375	-0.48	22.08	22.50	0.729

NOTE: Hotspot SAR test results of WCDMA Band IV

10.1.5. SAR measurement Result of WCDMA Band II

Test Position of Head	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
Left Cheek	9400/1880	RMC12.2K	0.237	0.146	1.14	22.50	22.50	0.237
Left Tilt 15 Degree	9400/1880	RMC12.2K	0.148	0.086	3.61	22.50	22.50	0.148
Right Cheek	9400/1880	RMC12.2K	0.226	0.138	-0.37	22.50	22.50	0.226
Right Tilt 15 Degree	9400/1880	RMC12.2K	0.141	0.079	-2.15	22.50	22.50	0.141

NOTE: Head SAR test results of WCDMA Band II

Test Position of Body-Worn with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
Front Side	9400/1880	RMC12.2K	0.426	0.286	3.51	22.50	22.50	0.426
Back Side	9400/1880	RMC12.2K	0.592	0.322	-0.57	22.50	22.50	0.592

NOTE: Body-Worn SAR test results of WCDMA Band II

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
Front Side	9400/1880	RMC12.2K	0.426	0.286	3.51	22.50	22.50	0.426
Back Side	9400/1880	RMC12.2K	0.592	0.322	-0.57	22.50	22.50	0.592
Left Side	9400/1880	RMC12.2K	0.367	0.220	0.23	22.50	22.50	0.367
Right Side	9400/1880	RMC12.2K	0.351	0.212	-4.12	22.50	22.50	0.351
Bottom Side	9400/1880	RMC12.2K	0.805	0.422	-0.95	22.50	22.50	0.805
Bottom Side	9262/1852.4	RMC12.2K	1.036	0.556	-0.59	22.27	22.50	1.092
Bottom Side - Repeated	9262/1852.4	RMC12.2K	1.024	0.543	0.37	22.27	22.50	1.080
Bottom Side	9538/1907.6	RMC12.2K	0.857	0.454	-1.21	22.45	22.50	0.867

NOTE: Hotspot SAR test results of WCDMA Band II

10.1.6. SAR measurement Result of LTE Band XII

Test Position of Head	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
1RB								
Left Cheek	23095/707.5	10M QPSK(1,0)	0.158	0.122	-4.24	23.92	24.00	0.161
Left Tilt 15 Degree	23095/707.5	10M QPSK(1,0)	0.110	0.082	0.45	23.92	24.00	0.112
Right Cheek	23095/707.5	10M QPSK(1,0)	0.151	0.116	3.61	23.92	24.00	0.154
Right Tilt 15 Degree	23095/707.5	10M QPSK(1,0)	0.106	0.076	4.21	23.92	24.00	0.108
50%RB								

Left Cheek	23095/707.5	1.4M QPSK(3,0)	0.140	0.114	1.60	23.47	24.00	0.158
Left Tilt 15 Degree	23095/707.5	1.4M QPSK(3,0)	0.095	0.073	3.24	23.47	24.00	0.107
Right Cheek	23095/707.5	1.4M QPSK(3,0)	0.135	0.110	1.50	23.47	24.00	0.153
Right Tilt 15 Degree	23095/707.5	1.4M QPSK(3,0)	0.090	0.072	-3.61	23.47	24.00	0.102

NOTE: Head SAR test results of LTE Band XII

Test Position of Body-Worn with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
1RB								
Front Side	23095/707.5	10M QPSK(1,0)	0.241	0.169	1.30	23.92	24.00	0.245
Back Side	23095/707.5	10M QPSK(1,0)	0.400	0.309	3.26	23.92	24.00	0.407
50%RB								
Front Side	23095/707.5	1.4M QPSK(3,0)	0.204	0.162	3.21	23.47	24.00	0.230
Back Side	23095/707.5	1.4M QPSK(3,0)	0.352	0.300	0.47	23.47	24.00	0.398

NOTE: Body-Worn SAR test results of LTE Band XII

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
1RB								
Front Side	23095/707.5	10M QPSK(1,0)	0.241	0.169	1.30	23.92	24.00	0.245
Back Side	23095/707.5	10M QPSK(1,0)	0.400	0.309	3.26	23.92	24.00	0.407
Left Side	23095/707.5	10M QPSK(1,0)	0.218	0.146	-0.61	23.92	24.00	0.222
Right Side	23095/707.5	10M QPSK(1,0)	0.223	0.150	1.47	23.92	24.00	0.227
Bottom Side	23095/707.5	10M QPSK(1,0)	0.201	0.139	0.23	23.92	24.00	0.205
50%RB								

Front Side	23095/707.5	1.4M QPSK(3,0)	0.204	0.162	3.21	23.47	24.00	0.230
Back Side	23095/707.5	1.4M QPSK(3,0)	0.352	0.300	0.47	23.47	24.00	0.398
Left Side	23095/707.5	1.4M QPSK(3,0)	0.194	0.145	-1.54	23.47	24.00	0.219
Right Side	23095/707.5	1.4M QPSK(3,0)	0.190	0.147	3.61	23.47	24.00	0.215
Bottom Side	23095/707.5	1.4M QPSK(3,0)	0.176	0.131	-0.54	23.47	24.00	0.199

NOTE: Hotspot SAR test results of LTE Band XII

10.1.7. SAR measurement Result of LTE Band XIII

Test Position of Head	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift ($\pm 5\%$)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
1RB								
Left Cheek	23230/782	10M QPSK(1,0)	0.222	0.173	0.98	23.90	24.00	0.227
Left Tilt 15 Degree	23230/782	10M QPSK(1,0)	0.167	0.139	0.32	23.90	24.00	0.171
Right Cheek	23230/782	10M QPSK(1,0)	0.213	0.165	1.41	23.90	24.00	0.218
Right Tilt 15 Degree	23230/782	10M QPSK(1,0)	0.157	0.131	0.65	23.90	24.00	0.161
50%RB								
Left Cheek	23230/782	10M QPSK(25,0)	0.216	0.170	0.57	22.85	23.00	0.224
Left Tilt 15 Degree	23230/782	10M QPSK(25,0)	0.162	0.135	1.64	22.85	23.00	0.168
Right Cheek	23230/782	10M QPSK(25,0)	0.210	0.163	3.29	22.85	23.00	0.217
Right Tilt 15 Degree	23230/782	10M QPSK(25,0)	0.152	0.126	-0.64	22.85	23.00	0.157

NOTE: Head SAR test results of LTE Band XIII

Test Position of Body-Worn with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
1RB								
Front Side	23230/782	10M QPSK(1,0)	0.265	0.198	3.61	23.90	24.00	0.271
Back Side	23230/782	10M QPSK(1,0)	0.373	0.291	-0.55	23.90	24.00	0.382
50%RB								
Front Side	23230/782	10M QPSK(25,0)	0.259	0.191	1.45	22.85	23.00	0.268
Back Side	23230/782	10M QPSK(25,0)	0.365	0.283	3.26	22.85	23.00	0.378

NOTE: Body-Worn SAR test results of LTE Band XIII

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
1RB								
Front Side	23230/782	10M QPSK(1,0)	0.265	0.198	3.61	23.90	24.00	0.271
Back Side	23230/782	10M QPSK(1,0)	0.373	0.291	-0.55	23.90	24.00	0.382
Left Side	23230/782	10M QPSK(1,0)	0.215	0.178	1.40	23.90	24.00	0.220
Right Side	23230/782	10M QPSK(1,0)	0.226	0.183	2.31	23.90	24.00	0.231
Bottom Side	23230/782	10M QPSK(1,0)	0.352	0.281	0.27	23.90	24.00	0.360
50%RB								
Front Side	23230/782	10M QPSK(25,0)	0.259	0.191	1.45	22.85	23.00	0.268
Back Side	23230/782	10M QPSK(25,0)	0.365	0.283	3.26	22.85	23.00	0.378
Left Side	23230/782	10M QPSK(25,0)	0.206	0.172	-0.04	22.85	23.00	0.213
Right Side	23230/782	10M QPSK(25,0)	0.220	0.179	0.14	22.85	23.00	0.228
Bottom Side	23230/782	10M QPSK(25,0)	0.347	0.276	1.36	22.85	23.00	0.359

NOTE: Hotspot SAR test results of LTE Band XIII

10.1.8. SAR measurement Result of LTE Band XIV

Test Position of Head	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
1RB								
Left Cheek	23330/793	10M QPSK(1,0)	0.229	0.180	-0.78	23.81	24.00	0.239
Left Tilt 15 Degree	23330/793	10M QPSK(1,0)	0.173	0.146	3.20	23.81	24.00	0.181
Right Cheek	23330/793	10M QPSK(1,0)	0.210	0.175	0.24	23.81	24.00	0.219
Right Tilt 15 Degree	23330/793	10M QPSK(1,0)	0.167	0.142	-1.09	23.81	24.00	0.174
50%RB								
Left Cheek	23330/793	10M QPSK(25,0)	0.221	0.173	0.27	22.65	23.00	0.240
Left Tilt 15 Degree	23330/793	10M QPSK(25,0)	0.168	0.141	1.26	22.65	23.00	0.182
Right Cheek	23330/793	10M QPSK(25,0)	0.207	0.171	3.04	22.65	23.00	0.224
Right Tilt 15 Degree	23330/793	10M QPSK(25,0)	0.162	0.137	1.25	22.65	23.00	0.176

NOTE: Head SAR test results of LTE Band XIV

Test Position of Body-Worn with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
1RB								
Front Side	23330/793	10M QPSK(1,0)	0.232	0.179	0.83	23.81	24.00	0.242
Back Side	23330/793	10M QPSK(1,0)	0.374	0.284	-0.35	23.81	24.00	0.391
50%RB								
Front Side	23330/793	10M QPSK(25,0)	0.225	0.175	3.65	22.65	23.00	0.244
Back Side	23330/793	10M QPSK(25,0)	0.369	0.278	0.24	22.65	23.00	0.400

NOTE: Body-Worn SAR test results of LTE Band XIV

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
1RB								
Front Side	23330/793	10M QPSK(1,0)	0.232	0.179	0.83	23.81	24.00	0.242
Back Side	23330/793	10M QPSK(1,0)	0.374	0.284	-0.35	23.81	24.00	0.391
Left Side	23330/793	10M QPSK(1,0)	0.210	0.157	0.27	23.81	24.00	0.219
Right Side	23330/793	10M QPSK(1,0)	0.203	0.153	1.56	23.81	24.00	0.212
Bottom Side	23330/793	10M QPSK(1,0)	0.236	0.182	-3.18	23.81	24.00	0.247
50%RB								
Front Side	23330/793	10M QPSK(25,0)	0.225	0.175	3.65	22.65	23.00	0.244
Back Side	23330/793	10M QPSK(25,0)	0.369	0.278	0.24	22.65	23.00	0.400
Left Side	23330/793	10M QPSK(25,0)	0.206	0.155	-0.35	22.65	23.00	0.223
Right Side	23330/793	10M QPSK(25,0)	0.191	0.143	3.26	22.65	23.00	0.207
Bottom Side	23330/793	10M QPSK(25,0)	0.224	0.173	1.45	22.65	23.00	0.243

NOTE: Hotspot SAR test results of LTE Band XIV

10.1.9. SAR measurement Result of LTE Band V

Test Position of Head	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
1RB								
Left Cheek	20525/836.5	10M QPSK(1,49)	0.263	0.204	-0.60	23.77	24.00	0.277
Left Tilt 15 Degree	20525/836.5	10M QPSK(1,49)	0.186	0.136	1.51	23.77	24.00	0.196

Right Cheek	20525/836.5	10M QPSK(1,49)	0.258	0.200	0.36	23.77	24.00	0.272
Right Tilt 15 Degree	20525/836.5	10M QPSK(1,49)	0.182	0.134	1.25	23.77	24.00	0.192
50%RB								
Left Cheek	20525/836.5	1.4M QPSK(3,1)	0.238	0.202	0.31	23.37	24.00	0.275
Left Tilt 15 Degree	20525/836.5	1.4M QPSK(3,1)	0.161	0.131	2.61	23.37	24.00	0.186
Right Cheek	20525/836.5	1.4M QPSK(3,1)	0.229	0.195	-0.34	23.37	24.00	0.265
Right Tilt 15 Degree	20525/836.5	1.4M QPSK(3,1)	0.157	0.134	-1.57	23.37	24.00	0.182

NOTE: Head SAR test results of LTE Band V

Test Position of Body-Worn with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
1RB								
Front Side	20525/836.5	10M QPSK(1,49)	0.191	0.145	-1.35	23.77	24.00	0.201
Back Side	20525/836.5	10M QPSK(1,49)	0.287	0.218	-1.25	23.77	24.00	0.303
50%RB								
Front Side	20525/836.5	1.4M QPSK(3,1)	0.172	0.140	3.61	23.37	24.00	0.199
Back Side	20525/836.5	1.4M QPSK(3,1)	0.260	0.211	-0.68	23.37	24.00	0.301

NOTE: Body-Worn SAR test results of LTE Band V

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
1RB								
Front Side	20525/836.5	10M QPSK(1,49)	0.191	0.145	-1.35	23.77	24.00	0.201

Back Side	20525/836.5	10M QPSK(1,49)	0.287	0.218	-1.25	23.77	24.00	0.303
Left Side	20525/836.5	10M QPSK(1,49)	0.105	0.075	-1.44	23.77	24.00	0.111
Right Side	20525/836.5	10M QPSK(1,49)	0.245	0.172	-0.11	23.77	24.00	0.258
Bottom Side	20525/836.5	10M QPSK(1,49)	0.208	0.125	-2.97	23.77	24.00	0.219
50%RB								
Front Side	20525/836.5	1.4M QPSK(3,1)	0.172	0.140	3.61	23.37	24.00	0.199
Back Side	20525/836.5	1.4M QPSK(3,1)	0.260	0.211	-0.68	23.37	24.00	0.301
Left Side	20525/836.5	1.4M QPSK(3,1)	0.092	0.071	1.47	23.37	24.00	0.106
Right Side	20525/836.5	1.4M QPSK(3,1)	0.221	0.168	0.21	23.37	24.00	0.256
Bottom Side	20525/836.5	1.4M QPSK(3,1)	0.187	0.121	-0.47	23.37	24.00	0.216

NOTE: Hotspot SAR test results of LTE Band V

10.1.10. SAR measurement Result of LTE Band IV

Test Position of Head	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
1RB								
Left Cheek	20175/1732.5	20M QPSK(1,49)	0.168	0.109	3.88	22.70	23.00	0.180
Left Tilt 15 Degree	20175/1732.5	20M QPSK(1,49)	0.103	0.069	3.65	22.70	23.00	0.110
Right Cheek	20175/1732.5	20M QPSK(1,49)	0.162	0.105	0.14	22.70	23.00	0.174
Right Tilt 15 Degree	20175/1732.5	20M QPSK(1,49)	0.100	0.065	-0.21	22.70	23.00	0.107
50%RB								
Left Cheek	20175/1732.5	1.4M QPSK(3,2)	0.164	0.107	-3.80	22.74	23.00	0.174
Left Tilt 15	20175/1732.5	1.4M QPSK(3,2)	0.100	0.067	0.32	22.74	23.00	0.106

Degree								
Right Cheek	20175/1732.5	1.4M QPSK(3,2)	0.157	0.104	1.31	22.74	23.00	0.167
Right Tilt 15 Degree	20175/1732.5	1.4M QPSK(3,2)	0.097	0.064	0.31	22.74	23.00	0.103

NOTE: Head SAR test results of LTE Band IV

Test Position of Body-Worn with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
1RB								
Front Side	20175/1732.5	20M QPSK(1,49)	0.269	0.159	3.61	22.70	23.00	0.288
Back Side	20175/1732.5	20M QPSK(1,49)	0.567	0.335	-0.01	22.70	23.00	0.608
50%RB								
Front Side	20175/1732.5	1.4M QPSK(3,2)	0.259	0.151	0.36	22.74	23.00	0.275
Back Side	20175/1732.5	1.4M QPSK(3,2)	0.558	0.328	1.48	22.74	23.00	0.592

NOTE: Body-Worn SAR test results of LTE Band IV

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
1RB								
Front Side	20175/1732.5	20M QPSK(1,49)	0.269	0.159	3.61	22.70	23.00	0.288
Back Side	20175/1732.5	20M QPSK(1,49)	0.567	0.335	-0.01	22.70	23.00	0.608
Left Side	20175/1732.5	20M QPSK(1,49)	0.234	0.141	0.25	22.70	23.00	0.251
Right Side	20175/1732.5	20M QPSK(1,49)	0.216	0.132	0.74	22.70	23.00	0.231
Bottom Side	20175/1732.5	20M QPSK(1,49)	0.654	0.366	-0.60	22.70	23.00	0.701
50%RB								
Front Side	20175/1732.5	1.4M QPSK(3,2)	0.259	0.151	0.36	22.74	23.00	0.275

	5							
Back Side	20175/1732. 5	1.4M QPSK(3,2)	0.558	0.328	1.48	22.74	23.00	0.592
Left Side	20175/1732. 5	1.4M QPSK(3,2)	0.200	0.126	-0.64	22.74	23.00	0.212
Right Side	20175/1732. 5	1.4M QPSK(3,2)	0.196	0.122	1.20	22.74	23.00	0.208
Bottom Side	20175/1732. 5	1.4M QPSK(3,2)	0.641	0.357	-1.81	22.74	23.00	0.681

NOTE: Hotspot SAR test results of LTE Band IV

10.1.11. SAR measurement Result of LTE Band II

Test Position of Head	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
1RB								
Left Cheek	18900/1880	20M QPSK(1,0)	0.301	0.185	-0.21	22.20	23.00	0.362
Left Tilt 15 Degree	18900/1880	20M QPSK(1,0)	0.243	0.142	0.32	22.20	23.00	0.292
Right Cheek	18900/1880	20M QPSK(1,0)	0.294	0.170	1.40	22.20	23.00	0.353
Right Tilt 15 Degree	18900/1880	20M QPSK(1,0)	0.237	0.137	-0.91	22.20	23.00	0.285
50%RB								
Left Cheek	18900/1880	1.4M QPSK(3,0)	0.294	0.180	1.25	22.42	23.00	0.336
Left Tilt 15 Degree	18900/1880	1.4M QPSK(3,0)	0.238	0.138	-3.02	22.42	23.00	0.272
Right Cheek	18900/1880	1.4M QPSK(3,0)	0.278	0.165	1.47	22.42	23.00	0.318
Right Tilt 15 Degree	18900/1880	1.4M QPSK(3,0)	0.220	0.131	2.12	22.42	23.00	0.251

NOTE: Head SAR test results of LTE Band II

Test Position of Body-Worn with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
1RB								
Front Side	18900/1880	20M QPSK(1,0)	0.302	0.156	3.02	22.20	23.00	0.363
Back Side	18900/1880	20M QPSK(1,0)	0.345	0.179	1.25	22.20	23.00	0.415
50%RB								
Front Side	18900/1880	1.4M QPSK(3,0)	0.285	0.147	1.60	22.42	23.00	0.326
Back Side	18900/1880	1.4M QPSK(3,0)	0.321	0.175	3.15	22.42	23.00	0.367

NOTE: Body-Worn SAR test results of LTE Band II

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
1RB								
Front Side	18900/1880	20M QPSK(1,0)	0.302	0.156	3.02	22.20	23.00	0.363
Back Side	18900/1880	20M QPSK(1,0)	0.345	0.179	1.25	22.20	23.00	0.415
Left Side	18900/1880	20M QPSK(1,0)	0.320	0.164	0.14	22.20	23.00	0.385
Right Side	18900/1880	20M QPSK(1,0)	0.329	0.169	-3.18	22.20	23.00	0.396
Bottom Side	18900/1880	20M QPSK(1,0)	0.658	0.401	-1.50	22.20	23.00	0.791
50%RB								
Front Side	18900/1880	1.4M QPSK(3,0)	0.285	0.147	1.60	22.42	23.00	0.326
Back Side	18900/1880	1.4M QPSK(3,0)	0.321	0.175	3.15	22.42	23.00	0.367
Left Side	18900/1880	1.4M QPSK(3,0)	0.312	0.159	-0.51	22.42	23.00	0.357
Right Side	18900/1880	1.4M QPSK(3,0)	0.318	0.165	-2.31	22.42	23.00	0.363
Bottom Side	18900/1880	1.4M QPSK(3,0)	0.648	0.386	1.03	22.42	23.00	0.741

NOTE: Hotspot SAR test results of LTE Band II

10.1.12. SAR measurement Result of LTE Band XXV

Test Position of Head	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
1RB								
Left Cheek	26365/1882.5	20M QPSK(1,99)	0.284	0.168	-0.17	22.98	23.00	0.285

Left Tilt 15 Degree	26365/1882.5	20M QPSK(1,99)	0.206	0.121	3.21	22.98	23.00	0.207
Right Cheek	26365/1882.5	20M QPSK(1,99)	0.276	0.162	0.25	22.98	23.00	0.277
Right Tilt 15 Degree	26365/1882.5	20M QPSK(1,99)	0.197	0.116	-1.40	22.98	23.00	0.198
50%RB								
Left Cheek	26365/1882.5	1.4M QPSK(3,0)	0.278	0.164	3.16	22.96	23.00	0.281
Left Tilt 15 Degree	26365/1882.5	1.4M QPSK(3,0)	0.203	0.118	1.05	22.96	23.00	0.205
Right Cheek	26365/1882.5	1.4M QPSK(3,0)	0.271	0.158	-0.34	22.96	23.00	0.274
Right Tilt 15 Degree	26365/1882.5	1.4M QPSK(3,0)	0.192	0.110	1.20	22.96	23.00	0.194

NOTE: Head SAR test results of LTE Band XXV

Test Position of Body-Wor n with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conduc ted power (dBm)	Tune-u p power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
1RB								
Front Side	26365/1882. 5	20M QPSK(1,99)	0.278	0.136	1.02	22.98	23.00	0.279
Back Side	26365/1882. 5	20M QPSK(1,99)	0.324	0.179	1.45	22.98	23.00	0.325
50%RB								
Front Side	26365/1882. 5	1.4M QPSK(3,0)	0.272	0.130	2.36	22.96	23.00	0.275
Back Side	26365/1882. 5	1.4M QPSK(3,0)	0.319	0.171	1.45	22.96	23.00	0.322

NOTE: Body-Worn SAR test results of LTE Band XXV

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conduc ted power (dBm)	Tune-u p power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				

1RB								
Front Side	26365/1882. 5	20M QPSK(1,99)	0.278	0.136	1.02	22.98	23.00	0.279
Back Side	26365/1882. 5	20M QPSK(1,99)	0.324	0.179	1.45	22.98	23.00	0.325
Left Side	26365/1882. 5	20M QPSK(1,99)	0.223	0.125	-3.02	22.98	23.00	0.224
Right Side	26365/1882. 5	20M QPSK(1,99)	0.217	0.116	1.50	22.98	23.00	0.218
Bottom Side	26365/1882. 5	20M QPSK(1,99)	0.790	0.416	-1.78	22.98	23.00	0.794
50%RB								
Front Side	26365/1882. 5	1.4M QPSK(3,0)	0.272	0.130	2.36	22.96	23.00	0.275
Back Side	26365/1882. 5	1.4M QPSK(3,0)	0.319	0.171	1.45	22.96	23.00	0.322
Left Side	26365/1882. 5	1.4M QPSK(3,0)	0.218	0.121	-0.24	22.96	23.00	0.220
Right Side	26365/1882. 5	1.4M QPSK(3,0)	0.214	0.112	1.49	22.96	23.00	0.216
Bottom Side	26365/1882. 5	1.4M QPSK(3,0)	0.782	0.399	-0.21	22.96	23.00	0.789

NOTE: Hotspot SAR test results of LTE Band XXV

10.1.13. SAR measurement Result of LTE Band XXVI

Test Position of Head	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
1RB								
Left Cheek	26740/819	10M QPSK(1,0)	0.204	0.161	-0.88	23.28	23.50	0.215
Left Tilt 15 Degree	26740/819	10M QPSK(1,0)	0.163	0.112	0.12	23.28	23.50	0.171
Right Cheek	26740/819	10M QPSK(1,0)	0.195	0.152	1.02	23.28	23.50	0.205
Right Tilt 15 Degree	26740/819	10M QPSK(1,0)	0.154	0.104	3.01	23.28	23.50	0.162

50%RB								
Left Cheek	26740/819	1.4M QPSK(3,0)	0.201	0.158	0.14	22.87	23.50	0.232
Left Tilt 15 Degree	26740/819	1.4M QPSK(3,0)	0.160	0.110	0.21	22.87	23.50	0.185
Right Cheek	26740/819	1.4M QPSK(3,0)	0.189	0.146	3.02	22.87	23.50	0.219
Right Tilt 15 Degree	26740/819	1.4M QPSK(3,0)	0.152	0.103	0.54	22.87	23.50	0.176

NOTE: Head SAR test results of LTE Band XXVI

Test Position of Body-Worn with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
1RB								
Front Side	26740/819	10M QPSK(1,0)	0.166	0.129	-1.36	23.28	23.50	0.175
Back Side	26740/819	10M QPSK(1,0)	0.454	0.234	-0.53	23.28	23.50	0.478
50%RB								
Front Side	26740/819	1.4M QPSK(3,0)	0.158	0.121	1.04	22.87	23.50	0.183
Back Side	26740/819	1.4M QPSK(3,0)	0.443	0.228	1.23	22.87	23.50	0.512

NOTE: Body-Worn SAR test results of LTE Band XXVI

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
1RB								
Front Side	26740/819	10M QPSK(1,0)	0.166	0.129	-1.36	23.28	23.50	0.175
Back Side	26740/819	10M QPSK(1,0)	0.454	0.234	-0.53	23.28	23.50	0.478
Left Side	26740/819	10M QPSK(1,0)	0.187	0.135	0.31	23.28	23.50	0.197
Right Side	26740/819	10M QPSK(1,0)	0.172	0.131	1.20	23.28	23.50	0.181
Bottom Side	26740/819	10M QPSK(1,0)	0.124	0.103	0.51	23.28	23.50	0.130
50%RB								
Front Side	26740/819	1.4M QPSK(3,0)	0.158	0.121	1.04	22.87	23.50	0.183
Back Side	26740/819	1.4M QPSK(3,0)	0.443	0.228	1.23	22.87	23.50	0.512
Left Side	26740/819	1.4M QPSK(3,0)	0.182	0.132	0.51	22.87	23.50	0.210
Right Side	26740/819	1.4M QPSK(3,0)	0.168	0.127	1.04	22.87	23.50	0.194

Bottom Side	26740/819	1.4M QPSK(3,0)	0.120	0.101	2.30	22.87	23.50	0.139
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NOTE: Hotspot SAR test results of LTE Band XXVI

10.1.14. SAR measurement Result of LTE Band VII

Test Position of Head	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
1RB								
Left Cheek	21100/2535	20M QPSK(1,0)	0.121	0.076	-0.04	22.97	23.00	0.122
Left Tilt 15 Degree	21100/2535	20M QPSK(1,0)	0.042	0.013	0.14	22.97	23.00	0.042
Right Cheek	21100/2535	20M QPSK(1,0)	0.118	0.072	3.10	22.97	23.00	0.119
Right Tilt 15 Degree	21100/2535	20M QPSK(1,0)	0.040	0.012	-1.40	22.97	23.00	0.040
50%RB								
Left Cheek	21100/2535	20M QPSK(50,49)	0.118	0.075	2.31	21.98	22.00	0.119
Left Tilt 15 Degree	21100/2535	20M QPSK(50,49)	0.040	0.012	1.04	21.98	22.00	0.040
Right Cheek	21100/2535	20M QPSK(50,49)	0.117	0.070	2.50	21.98	22.00	0.118
Right Tilt 15 Degree	21100/2535	20M QPSK(50,49)	0.037	0.010	3.50	21.98	22.00	0.037

NOTE: Head SAR test results of LTE Band VII

Test Position of Body-Worn with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
1RB								
Front Side	21100/2535	20M QPSK(1,0)	0.654	0.389	3.10	22.97	23.00	0.659
Back Side	21100/2535	20M QPSK(1,0)	0.789	0.507	-0.77	22.97	23.00	0.794

50%RB								
Front Side	21100/2535	20M QPSK(50,49)	0.521	0.251	0.21	21.98	22.00	0.523
Back Side	21100/2535	20M QPSK(50,49)	0.621	0.387	1.04	21.98	22.00	0.624

NOTE: Body-Worn SAR test results of LTE Band VII

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
1RB								
Front Side	21100/2535	20M QPSK(1,0)	0.654	0.389	3.10	22.97	23.00	0.659
Back Side	21100/2535	20M QPSK(1,0)	0.789	0.507	-0.77	22.97	23.00	0.794
Left Side	21100/2535	20M QPSK(1,0)	0.521	0.358	0.14	22.97	23.00	0.525
Right Side	21100/2535	20M QPSK(1,0)	0.510	0.355	1.27	22.97	23.00	0.514
Bottom Side	21100/2535	20M QPSK(1,0)	0.756	0.439	-1.60	22.97	23.00	0.761
50%RB								
Front Side	21100/2535	20M QPSK(50,49)	0.521	0.251	0.21	21.98	22.00	0.523
Back Side	21100/2535	20M QPSK(50,49)	0.621	0.387	1.04	21.98	22.00	0.624
Left Side	21100/2535	20M QPSK(50,49)	0.414	0.239	-1.47	21.98	22.00	0.416
Right Side	21100/2535	20M QPSK(50,49)	0.401	0.230	-0.23	21.98	22.00	0.403
Bottom Side	21100/2535	20M QPSK(50,49)	0.603	0.356	1.51	21.98	22.00	0.606

NOTE: Hotspot SAR test results of LTE Band VII

10.1.15. SAR measurement Result of LTE Band XLI

Test Position of Head	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
1RB								
Left Cheek	40620/2593	20M QPSK(1,0)	0.093	0.060	-1.64	23.98	24.00	0.093
Left Tilt	40620/2593	20M QPSK(1,0)	0.034	0.013	0.21	23.98	24.00	0.034

15 Degree								
Right Cheek	40620/2593	20M QPSK(1,0)	0.087	0.052	1.45	23.98	24.00	0.087
Right Tilt 15 Degree	40620/2593	20M QPSK(1,0)	0.031	0.010	0.21	23.98	24.00	0.031
50%RB								
Left Cheek	40620/2593	20M QPSK(50,49)	0.091	0.059	0.31	22.99	23.00	0.091
Left Tilt 15 Degree	40620/2593	20M QPSK(50,49)	0.031	0.012	0.41	22.99	23.00	0.031
Right Cheek	40620/2593	20M QPSK(50,49)	0.082	0.049	3.61	22.99	23.00	0.082
Right Tilt 15 Degree	40620/2593	20M QPSK(50,49)	0.028	0.010	0.47	22.99	23.00	0.028

NOTE: Head SAR test results of LTE Band XLI

Test Position of Body-Worn with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
1RB								
Front Side	40620/2593	20M QPSK(1,0)	0.542	0.256	0.21	23.98	24.00	0.545
Back Side	40620/2593	20M QPSK(1,0)	0.789	0.468	-1.42	23.98	24.00	0.793
50%RB								
Front Side	40620/2593	20M QPSK(50,49)	0.487	0.238	0.27	22.99	23.00	0.488
Back Side	40620/2593	20M QPSK(50,49)	0.629	0.421	1.67	22.99	23.00	0.630

NOTE: Body-Worn SAR test results of LTE Band XLI

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
1RB								
Front Side	40620/2593	20M QPSK(1,0)	0.542	0.256	0.21	23.98	24.00	0.545
Back Side	40620/2593	20M QPSK(1,0)	0.789	0.468	-1.42	23.98	24.00	0.793

Left Side	40620/2593	20M QPSK(1,0)	0.512	0.239	3.42	23.98	24.00	0.514
Right Side	40620/2593	20M QPSK(1,0)	0.523	0.245	1.47	23.98	24.00	0.525
Bottom Side	40620/2593	20M QPSK(1,0)	0.747	0.359	-4.20	23.98	24.00	0.750
50%RB								
Front Side	40620/2593	20M QPSK(50,49)	0.487	0.238	0.27	22.99	23.00	0.488
Back Side	40620/2593	20M QPSK(50,49)	0.629	0.421	1.67	22.99	23.00	0.630
Left Side	40620/2593	20M QPSK(50,49)	0.508	0.234	-1.32	22.99	23.00	0.509
Right Side	40620/2593	20M QPSK(50,49)	0.513	0.239	3.64	22.99	23.00	0.514
Bottom Side	40620/2593	20M QPSK(50,49)	0.572	0.321	2.98	22.99	23.00	0.573

NOTE: Hotspot SAR test results of LTE Band XLI

10.1.16. SAR measurement Result of WLAN 2.4G

Test Position of Head	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
Left Cheek	1/2412	802.11 b	0.041	0.029	-1.60	13.30	13.50	0.043
Left Tilt 15 Degree	1/2412	802.11 b	0.021	0.013	3.10	13.30	13.50	0.022
Right Cheek	1/2412	802.11 b	0.039	0.027	0.25	13.30	13.50	0.041
Right Tilt 15 Degree	1/2412	802.11 b	0.017	0.010	3.16	13.30	13.50	0.018

NOTE: Head SAR test results of WLAN 2.4G

Test Position of Body-Worn with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
Front Side	1/2412	802.11 b	0.042	0.031	1.48	13.30	13.50	0.044
Back Side	1/2412	802.11 b	0.090	0.049	0.18	13.30	13.50	0.094

NOTE: Body-Worn SAR test results of WLAN 2.4G

Test Position of	Test channel	Test Mode	SAR Value (W/kg)	Power Drift	Conducted power	Tune-up power	Scaled SAR 1g
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Hotspot with 10mm	/Freq.		1g	10g	(±5%)	(dBm)	(dBm)	(W/Kg)
Front Side	1/2412	802.11 b	0.042	0.031	1.48	13.30	13.50	0.044
Back Side	1/2412	802.11 b	0.090	0.049	0.18	13.30	13.50	0.094
Right Side	1/2412	802.11 b	0.047	0.034	-1.78	13.30	13.50	0.049
Top Side	1/2412	802.11 b	0.045	0.032	4.35	13.30	13.50	0.047

NOTE: Hotspot SAR test results of WLAN 2.4G

10.1.17. SAR measurement Result of WLAN 5.2G

Test Position of Head	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
Left Cheek	40/5200	802.11 a	0.092	0.062	-0.57	10.70	11.50	0.111
Left Tilt 15 Degree	40/5200	802.11 a	0.035	0.012	-1.05	10.70	11.50	0.042
Right Cheek	40/5200	802.11 a	0.087	0.054	-1.24	10.70	11.50	0.105
Right Tilt 15 Degree	40/5200	802.11 a	0.031	0.010	2.05	10.70	11.50	0.037

NOTE: Head SAR test results of WLAN 5.2G

Test Position of Body-Worn with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
Front Side	40/5200	802.11 a	0.116	0.085	1.60	10.70	11.50	0.139
Back Side	40/5200	802.11 a	0.288	0.140	1.03	10.70	11.50	0.346

NOTE: Body-Worn SAR test results of WLAN 5.2G

10.1.18. SAR measurement Result of WLAN 5.3G

Test Position of Head	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
Left Cheek	56/5280	802.11 a	0.263	0.104	0.32	10.50	11.00	0.295
Left Tilt 15 Degree	56/5280	802.11 a	0.116	0.065	1.20	10.50	11.00	0.130
Right Cheek	56/5280	802.11 a	0.271	0.109	3.66	10.50	11.00	0.304
Right Tilt 15	56/5280	802.11 a	0.119	0.070	1.42	10.50	11.00	0.134

Degree								
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NOTE: Head SAR test results of WLAN 5.3G

Test Position of Body-Worn with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
Front Side	56/5280	802.11 a	0.142	0.084	0.31	10.50	11.00	0.159
Back Side	56/5280	802.11 a	0.174	0.098	2.22	10.50	11.00	0.195

NOTE: Body-Worn SAR test results of WLAN 5.3G

10.1.19. SAR measurement Result of WLAN 5.6G

Test Position of Head	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
Left Cheek	120/5600	802.11 a	0.168	0.082	0.31	10.70	11.00	0.180
Left Tilt 15 Degree	120/5600	802.11 a	0.112	0.058	0.14	10.70	11.00	0.120
Right Cheek	120/5600	802.11 a	0.218	0.100	1.99	10.70	11.00	0.234
Right Tilt 15 Degree	120/5600	802.11 a	0.125	0.067	0.21	10.70	11.00	0.134

NOTE: Head SAR test results of WLAN 5.6G

Test Position of Body-Worn with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
Front Side	120/5600	802.11 a	0.125	0.076	1.20	10.70	11.00	0.134
Back Side	120/5600	802.11 a	0.159	0.093	-0.18	10.70	11.00	0.170

NOTE: Body-Worn SAR test results of WLAN 5.6G

10.1.20. SAR measurement Result of WLAN 5.8G

Test Position of Head	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
Left Cheek	157/5785	802.11 a	0.083	0.061	-0.18	9.80	10.00	0.087
Left Tilt 15	157/5785	802.11 a	0.031	0.012	1.05	9.80	10.00	0.032

Degree								
Right Cheek	157/5785	802.11 a	0.078	0.057	2.36	9.80	10.00	0.082
Right Tilt 15 Degree	157/5785	802.11 a	0.029	0.010	-4.10	9.80	10.00	0.030

NOTE: Head SAR test results of WLAN 5.8G

Test Position of Body-Worn with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)
			1g	10g				
Front Side	157/5785	802.11 a	0.112	0.075	1.60	9.80	10.00	0.117
Back Side	157/5785	802.11 a	0.193	0.108	-3.84	9.80	10.00	0.202

NOTE: Body-Worn SAR test results of WLAN 5.8G

10.2. SAR Summation Scenario

Per KDB 447498 D01, simultaneous transmission SAR is compliant if,

- 1) Scalar SAR summation < 1.6W/kg.
- 2) $SPLSR = (SAR_1 + SAR_2)^{1.5} / (\text{min. separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x_1-x_2)^2 + (y_1-y_2)^2 + (z_1-z_2)^2]$, where (x_1, y_1, z_1) and (x_2, y_2, z_2) are the coordinates of the extrapolated peak SAR locations in the zoom scan. If $SPLSR \leq 0.04$, simultaneously transmission SAR measurement is not necessary.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		GSM 850	WLAN 2.4G			
Head	Left Cheek	0.463	0.043	0.506	N/A	N/A
	Left Tilt 15 Degree	0.245	0.022	0.267	N/A	N/A
	Right Cheek	0.432	0.041	0.473	N/A	N/A
	Right Tilt 15 Degree	0.230	0.018	0.248	N/A	N/A
Body-Worn	Front Side	0.287	0.044	0.331	N/A	N/A
	Back Side	1.042	0.094	1.136	N/A	N/A
Hotspot	Front Side	0.287	0.044	0.331	N/A	N/A
	Back Side	1.042	0.094	1.136	N/A	N/A
	Left Side	0.361	N/A	0.361	N/A	N/A
	Right Side	0.329	0.049	0.378	N/A	N/A
	Top Side	N/A	0.047	0.047	N/A	N/A
	Bottom Side	0.457	N/A	0.457	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of GSM850 and WLAN 2.4G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		GSM 1900	WLAN 2.4G			

Head	Left Cheek	0.400	0.043	0.443	N/A	N/A
	Left Tilt 15 Degree	0.153	0.022	0.175	N/A	N/A
	Right Cheek	0.371	0.041	0.412	N/A	N/A
	Right Tilt 15 Degree	0.138	0.018	0.155	N/A	N/A
Body-Worn	Front Side	0.495	0.044	0.539	N/A	N/A
	Back Side	0.565	0.094	0.659	N/A	N/A
Hotspot	Front Side	0.495	0.044	0.539	N/A	N/A
	Back Side	0.565	0.094	0.659	N/A	N/A
	Left Side	0.342	N/A	0.342	N/A	N/A
	Right Side	0.374	0.049	0.423	N/A	N/A
	Top Side	N/A	0.047	0.047	N/A	N/A
	Bottom Side	1.277	N/A	1.277	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of GSM1900 and WLAN 2.4G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		WCDMA Band V	WLAN 2.4G			
Head	Left Cheek	0.252	0.043	0.295	N/A	N/A
	Left Tilt 15 Degree	0.185	0.022	0.207	N/A	N/A
	Right Cheek	0.244	0.041	0.285	N/A	N/A
	Right Tilt 15 Degree	0.177	0.018	0.195	N/A	N/A
Body-Worn	Front Side	0.234	0.044	0.278	N/A	N/A
	Back Side	0.488	0.094	0.582	N/A	N/A
Hotspot	Front Side	0.234	0.044	0.278	N/A	N/A
	Back Side	0.488	0.094	0.582	N/A	N/A
	Left Side	0.129	N/A	0.129	N/A	N/A
	Right Side	0.141	0.049	0.191	N/A	N/A
	Top Side	N/A	0.047	0.047	N/A	N/A
	Bottom Side	0.215	N/A	0.215	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of WCDMA Band V and WLAN 2.4G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		WCDMA Band IV	WLAN 2.4G			
Head	Left Cheek	0.368	0.043	0.411	N/A	N/A
	Left Tilt 15 Degree	0.235	0.022	0.257	N/A	N/A
	Right Cheek	0.347	0.041	0.388	N/A	N/A
	Right Tilt 15 Degree	0.227	0.018	0.245	N/A	N/A
Body-Worn	Front Side	0.443	0.044	0.487	N/A	N/A

	Back Side	0.674	0.094	0.768	N/A	N/A
Hotspot	Front Side	0.443	0.044	0.487	N/A	N/A
	Back Side	0.674	0.094	0.768	N/A	N/A
	Left Side	0.405	N/A	0.405	N/A	N/A
	Right Side	0.409	0.049	0.458	N/A	N/A
	Top Side	N/A	0.047	0.047	N/A	N/A
	Bottom Side	0.729	N/A	0.729	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of WCDMA Band IV and WLAN 2.4G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		WCDMA Band II	WLAN 2.4G			
Head	Left Cheek	0.237	0.043	0.280	N/A	N/A
	Left Tilt 15 Degree	0.148	0.022	0.170	N/A	N/A
	Right Cheek	0.226	0.041	0.267	N/A	N/A
	Right Tilt 15 Degree	0.141	0.018	0.159	N/A	N/A
Body-Worn	Front Side	0.426	0.044	0.470	N/A	N/A
	Back Side	0.592	0.094	0.686	N/A	N/A
Hotspot	Front Side	0.426	0.044	0.470	N/A	N/A
	Back Side	0.592	0.094	0.686	N/A	N/A
	Left Side	0.367	N/A	0.367	N/A	N/A
	Right Side	0.351	0.049	0.400	N/A	N/A
	Top Side	N/A	0.047	0.047	N/A	N/A
	Bottom Side	1.092	N/A	1.092	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of WCDMA Band II and WLAN 2.4G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XII	WLAN 2.4G			
Head	Left Cheek	0.161	0.043	0.204	N/A	N/A
	Left Tilt 15 Degree	0.112	0.022	0.134	N/A	N/A
	Right Cheek	0.154	0.041	0.195	N/A	N/A
	Right Tilt 15 Degree	0.108	0.018	0.126	N/A	N/A
Body-Worn	Front Side	0.245	0.044	0.289	N/A	N/A
	Back Side	0.407	0.094	0.502	N/A	N/A
Hotspot	Front Side	0.245	0.044	0.289	N/A	N/A
	Back Side	0.407	0.094	0.502	N/A	N/A
	Left Side	0.222	N/A	0.222	N/A	N/A
	Right Side	0.227	0.049	0.276	N/A	N/A
	Top Side	N/A	0.047	0.047	N/A	N/A

	Bottom Side	0.205	N/A	0.205	N/A	N/A
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NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XII and WLAN 2.4G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XIII	WLAN 2.4G			
Head	Left Cheek	0.227	0.043	0.270	N/A	N/A
	Left Tilt 15 Degree	0.171	0.022	0.193	N/A	N/A
	Right Cheek	0.218	0.041	0.259	N/A	N/A
	Right Tilt 15 Degree	0.161	0.018	0.178	N/A	N/A
Body-Worn	Front Side	0.271	0.044	0.315	N/A	N/A
	Back Side	0.382	0.094	0.476	N/A	N/A
Hotspot	Front Side	0.271	0.044	0.315	N/A	N/A
	Back Side	0.382	0.094	0.476	N/A	N/A
	Left Side	0.220	N/A	0.220	N/A	N/A
	Right Side	0.231	0.049	0.280	N/A	N/A
	Top Side	N/A	0.047	0.047	N/A	N/A
	Bottom Side	0.360	N/A	0.360	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XIII and WLAN 2.4G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XIV	WLAN 2.4G			
Head	Left Cheek	0.240	0.043	0.282	N/A	N/A
	Left Tilt 15 Degree	0.182	0.022	0.204	N/A	N/A
	Right Cheek	0.224	0.041	0.265	N/A	N/A
	Right Tilt 15 Degree	0.176	0.018	0.193	N/A	N/A
Body-Worn	Front Side	0.244	0.044	0.288	N/A	N/A
	Back Side	0.400	0.094	0.494	N/A	N/A
Hotspot	Front Side	0.244	0.044	0.288	N/A	N/A
	Back Side	0.400	0.094	0.494	N/A	N/A
	Left Side	0.223	N/A	0.223	N/A	N/A
	Right Side	0.212	0.049	0.261	N/A	N/A
	Top Side	N/A	0.047	0.047	N/A	N/A
	Bottom Side	0.247	N/A	0.247	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XIV and WLAN 2.4G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band V	WLAN 2.4G			
Head	Left Cheek	0.277	0.043	0.320	N/A	N/A

	Left Tilt 15 Degree	0.196	0.022	0.218	N/A	N/A
	Right Cheek	0.272	0.041	0.313	N/A	N/A
	Right Tilt 15 Degree	0.192	0.018	0.210	N/A	N/A
Body-Worn	Front Side	0.201	0.044	0.245	N/A	N/A
	Back Side	0.303	0.094	0.397	N/A	N/A
Hotspot	Front Side	0.201	0.044	0.245	N/A	N/A
	Back Side	0.303	0.094	0.397	N/A	N/A
	Left Side	0.111	N/A	0.111	N/A	N/A
	Right Side	0.258	0.049	0.308	N/A	N/A
	Top Side	N/A	0.047	0.047	N/A	N/A
	Bottom Side	0.219	N/A	0.219	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band V and WLAN 2.4G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band IV	WLAN 2.4G			
Head	Left Cheek	0.180	0.043	0.223	N/A	N/A
	Left Tilt 15 Degree	0.110	0.022	0.132	N/A	N/A
	Right Cheek	0.174	0.041	0.214	N/A	N/A
	Right Tilt 15 Degree	0.107	0.018	0.125	N/A	N/A
Body-Worn	Front Side	0.288	0.044	0.332	N/A	N/A
	Back Side	0.608	0.094	0.702	N/A	N/A
Hotspot	Front Side	0.288	0.044	0.332	N/A	N/A
	Back Side	0.608	0.094	0.702	N/A	N/A
	Left Side	0.251	N/A	0.251	N/A	N/A
	Right Side	0.231	0.049	0.281	N/A	N/A
	Top Side	N/A	0.047	0.047	N/A	N/A
	Bottom Side	0.701	N/A	0.701	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band IV and WLAN 2.4G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band II	WLAN 2.4G			
Head	Left Cheek	0.362	0.043	0.405	N/A	N/A
	Left Tilt 15 Degree	0.292	0.022	0.314	N/A	N/A
	Right Cheek	0.353	0.041	0.394	N/A	N/A
	Right Tilt 15 Degree	0.285	0.018	0.303	N/A	N/A
Body-Worn	Front Side	0.363	0.044	0.407	N/A	N/A
	Back Side	0.415	0.094	0.509	N/A	N/A
Hotspot	Front Side	0.363	0.044	0.407	N/A	N/A

	Back Side	0.415	0.094	0.509	N/A	N/A
	Left Side	0.385	N/A	0.385	N/A	N/A
	Right Side	0.396	0.049	0.445	N/A	N/A
	Top Side	N/A	0.047	0.047	N/A	N/A
	Bottom Side	0.791	N/A	0.791	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band II and WLAN 2.4G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XXV	WLAN 2.4G			
Head	Left Cheek	0.285	0.043	0.328	N/A	N/A
	Left Tilt 15 Degree	0.207	0.022	0.229	N/A	N/A
	Right Cheek	0.277	0.041	0.318	N/A	N/A
	Right Tilt 15 Degree	0.198	0.018	0.216	N/A	N/A
Body-Worn	Front Side	0.279	0.044	0.323	N/A	N/A
	Back Side	0.325	0.094	0.420	N/A	N/A
Hotspot	Front Side	0.279	0.044	0.323	N/A	N/A
	Back Side	0.325	0.094	0.420	N/A	N/A
	Left Side	0.224	N/A	0.224	N/A	N/A
	Right Side	0.218	0.049	0.267	N/A	N/A
	Top Side	N/A	0.047	0.047	N/A	N/A
	Bottom Side	0.794	N/A	0.794	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XXV and WLAN 2.4G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XXVI	WLAN 2.4G			
Head	Left Cheek	0.232	0.043	0.275	N/A	N/A
	Left Tilt 15 Degree	0.185	0.022	0.207	N/A	N/A
	Right Cheek	0.219	0.041	0.259	N/A	N/A
	Right Tilt 15 Degree	0.176	0.018	0.194	N/A	N/A
Body-Worn	Front Side	0.183	0.044	0.227	N/A	N/A
	Back Side	0.512	0.094	0.606	N/A	N/A
Hotspot	Front Side	0.183	0.044	0.227	N/A	N/A
	Back Side	0.512	0.094	0.606	N/A	N/A
	Left Side	0.210	N/A	0.210	N/A	N/A
	Right Side	0.194	0.049	0.243	N/A	N/A
	Top Side	N/A	0.047	0.047	N/A	N/A
	Bottom Side	0.139	N/A	0.139	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XXVI and WLAN 2.4G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band VII	WLAN 2.4G			
Head	Left Cheek	0.122	0.043	0.165	N/A	N/A
	Left Tilt 15 Degree	0.042	0.022	0.064	N/A	N/A
	Right Cheek	0.119	0.041	0.160	N/A	N/A
	Right Tilt 15 Degree	0.040	0.018	0.058	N/A	N/A
Body-Worn	Front Side	0.659	0.044	0.703	N/A	N/A
	Back Side	0.794	0.094	0.889	N/A	N/A
Hotspot	Front Side	0.659	0.044	0.703	N/A	N/A
	Back Side	0.794	0.094	0.889	N/A	N/A
	Left Side	0.525	N/A	0.525	N/A	N/A
	Right Side	0.514	0.049	0.563	N/A	N/A
	Top Side	N/A	0.047	0.047	N/A	N/A
	Bottom Side	0.761	N/A	0.761	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band VII and WLAN 2.4G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XLI	WLAN 2.4G			
Head	Left Cheek	0.093	0.043	0.136	N/A	N/A
	Left Tilt 15 Degree	0.034	0.022	0.056	N/A	N/A
	Right Cheek	0.087	0.041	0.128	N/A	N/A
	Right Tilt 15 Degree	0.031	0.018	0.049	N/A	N/A
Body-Worn	Front Side	0.545	0.044	0.588	N/A	N/A
	Back Side	0.793	0.094	0.887	N/A	N/A
Hotspot	Front Side	0.545	0.044	0.588	N/A	N/A
	Back Side	0.793	0.094	0.887	N/A	N/A
	Left Side	0.514	N/A	0.514	N/A	N/A
	Right Side	0.525	0.049	0.575	N/A	N/A
	Top Side	N/A	0.047	0.047	N/A	N/A
	Bottom Side	0.750	N/A	0.750	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XLI and WLAN 2.4G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		GSM 850	Bluetooth			
Head	Left Cheek	0.463	0.053	0.516	N/A	N/A
	Left Tilt 15	0.245	0.053	0.298	N/A	N/A

	Degree					
	Right Cheek	0.432	0.053	0.485	N/A	N/A
	Right Tilt 15 Degree	0.230	0.053	0.283	N/A	N/A
Body-Worn	Front Side	0.287	0.026	0.313	N/A	N/A
	Back Side	1.042	0.026	1.068	N/A	N/A
Hotspot	Front Side	0.287	0.026	0.313	N/A	N/A
	Back Side	1.042	0.026	1.068	N/A	N/A
	Left Side	0.361	N/A	0.361	N/A	N/A
	Right Side	0.329	0.026	0.355	N/A	N/A
	Top Side	N/A	0.026	0.026	N/A	N/A
	Bottom Side	0.457	N/A	0.457	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of GSM850 and Bluetooth.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		GSM 1900	Bluetooth			
Head	Left Cheek	0.400	0.053	0.453	N/A	N/A
	Left Tilt 15 Degree	0.153	0.053	0.206	N/A	N/A
	Right Cheek	0.371	0.053	0.424	N/A	N/A
	Right Tilt 15 Degree	0.138	0.053	0.190	N/A	N/A
Body-Worn	Front Side	0.495	0.026	0.522	N/A	N/A
	Back Side	0.565	0.026	0.591	N/A	N/A
Hotspot	Front Side	0.495	0.026	0.522	N/A	N/A
	Back Side	0.565	0.026	0.591	N/A	N/A
	Left Side	0.342	N/A	0.342	N/A	N/A
	Right Side	0.374	0.026	0.401	N/A	N/A
	Top Side	N/A	0.026	0.026	N/A	N/A
	Bottom Side	1.277	N/A	1.277	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of GSM1900 and Bluetooth.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		WCDMA Band V	Bluetooth			
Head	Left Cheek	0.252	0.053	0.305	N/A	N/A
	Left Tilt 15 Degree	0.185	0.053	0.238	N/A	N/A
	Right Cheek	0.244	0.053	0.297	N/A	N/A
	Right Tilt 15 Degree	0.177	0.053	0.230	N/A	N/A
Body-Worn	Front Side	0.234	0.026	0.260	N/A	N/A
	Back Side	0.488	0.026	0.514	N/A	N/A
Hotspot	Front Side	0.234	0.026	0.260	N/A	N/A

	Back Side	0.488	0.026	0.514	N/A	N/A
	Left Side	0.129	N/A	0.129	N/A	N/A
	Right Side	0.141	0.026	0.168	N/A	N/A
	Top Side	N/A	0.026	0.026	N/A	N/A
	Bottom Side	0.215	N/A	0.215	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of WCDMA Band V and Bluetooth.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		WCDMA Band IV	Bluetooth			
Head	Left Cheek	0.368	0.053	0.421	N/A	N/A
	Left Tilt 15 Degree	0.235	0.053	0.287	N/A	N/A
	Right Cheek	0.347	0.053	0.400	N/A	N/A
	Right Tilt 15 Degree	0.227	0.053	0.280	N/A	N/A
Body-Worn	Front Side	0.443	0.026	0.469	N/A	N/A
	Back Side	0.674	0.026	0.701	N/A	N/A
Hotspot	Front Side	0.443	0.026	0.469	N/A	N/A
	Back Side	0.674	0.026	0.701	N/A	N/A
	Left Side	0.405	N/A	0.405	N/A	N/A
	Right Side	0.409	0.026	0.435	N/A	N/A
	Top Side	N/A	0.026	0.026	N/A	N/A
	Bottom Side	0.729	N/A	0.729	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of WCDMA Band IV and Bluetooth.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		WCDMA Band II	Bluetooth			
Head	Left Cheek	0.237	0.053	0.290	N/A	N/A
	Left Tilt 15 Degree	0.148	0.053	0.201	N/A	N/A
	Right Cheek	0.226	0.053	0.279	N/A	N/A
	Right Tilt 15 Degree	0.141	0.053	0.194	N/A	N/A
Body-Worn	Front Side	0.426	0.026	0.452	N/A	N/A
	Back Side	0.592	0.026	0.618	N/A	N/A
Hotspot	Front Side	0.426	0.026	0.452	N/A	N/A
	Back Side	0.592	0.026	0.618	N/A	N/A
	Left Side	0.367	N/A	0.367	N/A	N/A
	Right Side	0.351	0.026	0.377	N/A	N/A
	Top Side	N/A	0.026	0.026	N/A	N/A
	Bottom Side	1.092	N/A	1.092	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of WCDMA Band II and Bluetooth.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XII	Bluetooth			
Head	Left Cheek	0.161	0.053	0.214	N/A	N/A
	Left Tilt 15 Degree	0.112	0.053	0.165	N/A	N/A
	Right Cheek	0.154	0.053	0.207	N/A	N/A
	Right Tilt 15 Degree	0.108	0.053	0.161	N/A	N/A
Body-Worn	Front Side	0.245	0.026	0.272	N/A	N/A
	Back Side	0.407	0.026	0.434	N/A	N/A
Hotspot	Front Side	0.245	0.026	0.272	N/A	N/A
	Back Side	0.407	0.026	0.434	N/A	N/A
	Left Side	0.222	N/A	0.222	N/A	N/A
	Right Side	0.227	0.026	0.254	N/A	N/A
	Top Side	N/A	0.026	0.026	N/A	N/A
	Bottom Side	0.205	N/A	0.205	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XII and Bluetooth.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XIII	Bluetooth			
Head	Left Cheek	0.227	0.053	0.280	N/A	N/A
	Left Tilt 15 Degree	0.171	0.053	0.224	N/A	N/A
	Right Cheek	0.218	0.053	0.271	N/A	N/A
	Right Tilt 15 Degree	0.161	0.053	0.214	N/A	N/A
Body-Worn	Front Side	0.271	0.026	0.298	N/A	N/A
	Back Side	0.382	0.026	0.408	N/A	N/A
Hotspot	Front Side	0.271	0.026	0.298	N/A	N/A
	Back Side	0.382	0.026	0.408	N/A	N/A
	Left Side	0.220	N/A	0.220	N/A	N/A
	Right Side	0.231	0.026	0.258	N/A	N/A
	Top Side	N/A	0.026	0.026	N/A	N/A
	Bottom Side	0.360	N/A	0.360	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XIII and Bluetooth.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XIV	Bluetooth			
Head	Left Cheek	0.240	0.053	0.292	N/A	N/A
	Left Tilt 15	0.182	0.053	0.235	N/A	N/A

	Degree					
	Right Cheek	0.224	0.053	0.277	N/A	N/A
	Right Tilt 15 Degree	0.176	0.053	0.228	N/A	N/A
Body-Worn	Front Side	0.244	0.026	0.270	N/A	N/A
	Back Side	0.400	0.026	0.426	N/A	N/A
Hotspot	Front Side	0.244	0.026	0.270	N/A	N/A
	Back Side	0.400	0.026	0.426	N/A	N/A
	Left Side	0.223	N/A	0.223	N/A	N/A
	Right Side	0.212	0.026	0.238	N/A	N/A
	Top Side	N/A	0.026	0.026	N/A	N/A
	Bottom Side	0.247	N/A	0.247	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XIV and Bluetooth.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band V	Bluetooth			
Head	Left Cheek	0.277	0.053	0.330	N/A	N/A
	Left Tilt 15 Degree	0.196	0.053	0.249	N/A	N/A
	Right Cheek	0.272	0.053	0.325	N/A	N/A
	Right Tilt 15 Degree	0.192	0.053	0.245	N/A	N/A
Body-Worn	Front Side	0.201	0.026	0.228	N/A	N/A
	Back Side	0.303	0.026	0.329	N/A	N/A
Hotspot	Front Side	0.201	0.026	0.228	N/A	N/A
	Back Side	0.303	0.026	0.329	N/A	N/A
	Left Side	0.111	N/A	0.111	N/A	N/A
	Right Side	0.258	0.026	0.285	N/A	N/A
	Top Side	N/A	0.026	0.026	N/A	N/A
	Bottom Side	0.219	N/A	0.219	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band V and Bluetooth.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band IV	Bluetooth			
Head	Left Cheek	0.180	0.053	0.233	N/A	N/A
	Left Tilt 15 Degree	0.110	0.053	0.163	N/A	N/A
	Right Cheek	0.174	0.053	0.226	N/A	N/A
	Right Tilt 15 Degree	0.107	0.053	0.160	N/A	N/A
Body-Worn	Front Side	0.288	0.026	0.315	N/A	N/A
	Back Side	0.608	0.026	0.634	N/A	N/A
Hotspot	Front Side	0.288	0.026	0.315	N/A	N/A
	Back Side	0.608	0.026	0.634	N/A	N/A

	Left Side	0.251	N/A	0.251	N/A	N/A
	Right Side	0.231	0.026	0.258	N/A	N/A
	Top Side	N/A	0.026	0.026	N/A	N/A
	Bottom Side	0.701	N/A	0.701	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band IV and Bluetooth.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band II	Bluetooth			
Head	Left Cheek	0.362	0.053	0.415	N/A	N/A
	Left Tilt 15 Degree	0.292	0.053	0.345	N/A	N/A
	Right Cheek	0.353	0.053	0.406	N/A	N/A
	Right Tilt 15 Degree	0.285	0.053	0.338	N/A	N/A
Body-Worn	Front Side	0.363	0.026	0.390	N/A	N/A
	Back Side	0.415	0.026	0.441	N/A	N/A
Hotspot	Front Side	0.363	0.026	0.390	N/A	N/A
	Back Side	0.415	0.026	0.441	N/A	N/A
	Left Side	0.385	N/A	0.385	N/A	N/A
	Right Side	0.396	0.026	0.422	N/A	N/A
	Top Side	N/A	0.026	0.026	N/A	N/A
	Bottom Side	0.791	N/A	0.791	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band II and Bluetooth.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XXV	Bluetooth			
Head	Left Cheek	0.285	0.053	0.338	N/A	N/A
	Left Tilt 15 Degree	0.207	0.053	0.260	N/A	N/A
	Right Cheek	0.277	0.053	0.330	N/A	N/A
	Right Tilt 15 Degree	0.198	0.053	0.251	N/A	N/A
Body-Worn	Front Side	0.279	0.026	0.306	N/A	N/A
	Back Side	0.325	0.026	0.352	N/A	N/A
Hotspot	Front Side	0.279	0.026	0.306	N/A	N/A
	Back Side	0.325	0.026	0.352	N/A	N/A
	Left Side	0.224	N/A	0.224	N/A	N/A
	Right Side	0.218	0.026	0.244	N/A	N/A
	Top Side	N/A	0.026	0.026	N/A	N/A
	Bottom Side	0.794	N/A	0.794	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XXV and Bluetooth.

Test Position	Scaled SAR _{MAX}		Σ 1-g SAR	SPLSR	Remark
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		LTE Band XXVI	Bluetooth	(W/Kg)		
Head	Left Cheek	0.232	0.053	0.285	N/A	N/A
	Left Tilt 15 Degree	0.185	0.053	0.238	N/A	N/A
	Right Cheek	0.219	0.053	0.271	N/A	N/A
	Right Tilt 15 Degree	0.176	0.053	0.229	N/A	N/A
Body-Worn	Front Side	0.183	0.026	0.209	N/A	N/A
	Back Side	0.512	0.026	0.539	N/A	N/A
Hotspot	Front Side	0.183	0.026	0.209	N/A	N/A
	Back Side	0.512	0.026	0.539	N/A	N/A
	Left Side	0.210	N/A	0.210	N/A	N/A
	Right Side	0.194	0.026	0.221	N/A	N/A
	Top Side	N/A	0.026	0.026	N/A	N/A
	Bottom Side	0.139	N/A	0.139	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XXVI and Bluetooth.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band VII	Bluetooth			
Head	Left Cheek	0.122	0.053	0.175	N/A	N/A
	Left Tilt 15 Degree	0.042	0.053	0.095	N/A	N/A
	Right Cheek	0.119	0.053	0.172	N/A	N/A
	Right Tilt 15 Degree	0.040	0.053	0.093	N/A	N/A
Body-Worn	Front Side	0.659	0.026	0.685	N/A	N/A
	Back Side	0.794	0.026	0.821	N/A	N/A
Hotspot	Front Side	0.659	0.026	0.685	N/A	N/A
	Back Side	0.794	0.026	0.821	N/A	N/A
	Left Side	0.525	N/A	0.525	N/A	N/A
	Right Side	0.514	0.026	0.540	N/A	N/A
	Top Side	N/A	0.026	0.026	N/A	N/A
	Bottom Side	0.761	N/A	0.761	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band VII and Bluetooth.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XLI	Bluetooth			
Head	Left Cheek	0.093	0.053	0.146	N/A	N/A
	Left Tilt 15 Degree	0.034	0.053	0.087	N/A	N/A
	Right Cheek	0.087	0.053	0.140	N/A	N/A

	Right Tilt 15 Degree	0.031	0.053	0.084	N/A	N/A
Body-Worn	Front Side	0.545	0.026	0.571	N/A	N/A
	Back Side	0.793	0.026	0.819	N/A	N/A
Hotspot	Front Side	0.545	0.026	0.571	N/A	N/A
	Back Side	0.793	0.026	0.819	N/A	N/A
	Left Side	0.514	N/A	0.514	N/A	N/A
	Right Side	0.525	0.026	0.552	N/A	N/A
	Top Side	N/A	0.026	0.026	N/A	N/A
	Bottom Side	0.750	N/A	0.750	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XLI and Bluetooth.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		GSM 850	WLAN 5.2G			
Head	Left Cheek	0.463	0.111	0.574	N/A	N/A
	Left Tilt 15 Degree	0.245	0.042	0.287	N/A	N/A
	Right Cheek	0.432	0.105	0.537	N/A	N/A
	Right Tilt 15 Degree	0.230	0.037	0.267	N/A	N/A
Body-Worn	Front Side	0.287	0.139	0.426	N/A	N/A
	Back Side	1.042	0.346	1.388	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of GSM850 and WLAN 5.2G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		GSM 1900	WLAN 5.2G			
Head	Left Cheek	0.400	0.111	0.511	N/A	N/A
	Left Tilt 15 Degree	0.153	0.042	0.195	N/A	N/A
	Right Cheek	0.371	0.105	0.476	N/A	N/A
	Right Tilt 15 Degree	0.138	0.037	0.175	N/A	N/A
Body-Worn	Front Side	0.495	0.139	0.634	N/A	N/A
	Back Side	0.565	0.346	0.911	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of GSM1900 and WLAN 5.2G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		WCDMA Band V	WLAN 5.2G			
Head	Left Cheek	0.252	0.111	0.363	N/A	N/A
	Left Tilt 15 Degree	0.185	0.042	0.227	N/A	N/A
	Right Cheek	0.244	0.105	0.349	N/A	N/A
	Right Tilt 15 Degree	0.177	0.037	0.214	N/A	N/A
Body-Worn	Front Side	0.234	0.139	0.373	N/A	N/A

	Back Side	0.488	0.346	0.834	N/A	N/A
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NOTE: 1-g SAR Simultaneous Tx Combination of WCDMA Band V and WLAN 5.2G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		WCDMA Band IV	WLAN 5.2G			
Head	Left Cheek	0.368	0.111	0.479	N/A	N/A
	Left Tilt 15 Degree	0.235	0.042	0.277	N/A	N/A
	Right Cheek	0.347	0.105	0.452	N/A	N/A
	Right Tilt 15 Degree	0.227	0.037	0.264	N/A	N/A
Body-Worn	Front Side	0.443	0.139	0.582	N/A	N/A
	Back Side	0.674	0.346	1.020	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of WCDMA Band IV and WLAN 5.2G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		WCDMA Band II	WLAN 5.2G			
Head	Left Cheek	0.237	0.111	0.348	N/A	N/A
	Left Tilt 15 Degree	0.148	0.042	0.190	N/A	N/A
	Right Cheek	0.226	0.105	0.331	N/A	N/A
	Right Tilt 15 Degree	0.141	0.037	0.178	N/A	N/A
Body-Worn	Front Side	0.426	0.139	0.565	N/A	N/A
	Back Side	0.592	0.346	0.938	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of WCDMA Band II and WLAN 5.2G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XII	WLAN 5.2G			
Head	Left Cheek	0.161	0.111	0.272	N/A	N/A
	Left Tilt 15 Degree	0.112	0.042	0.154	N/A	N/A
	Right Cheek	0.154	0.105	0.259	N/A	N/A
	Right Tilt 15 Degree	0.108	0.037	0.145	N/A	N/A
Body-Worn	Front Side	0.245	0.139	0.384	N/A	N/A
	Back Side	0.407	0.346	0.753	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XII and WLAN 5.2G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XIII	WLAN 5.2G			
Head	Left Cheek	0.227	0.111	0.338	N/A	N/A

	Left Tilt 15 Degree	0.171	0.042	0.213	N/A	N/A
	Right Cheek	0.218	0.105	0.323	N/A	N/A
	Right Tilt 15 Degree	0.161	0.037	0.198	N/A	N/A
Body-Worn	Front Side	0.271	0.139	0.410	N/A	N/A
	Back Side	0.382	0.346	0.728	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XIII and WLAN 5.2G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XIV	WLAN 5.2G			
Head	Left Cheek	0.240	0.111	0.351	N/A	N/A
	Left Tilt 15 Degree	0.182	0.042	0.224	N/A	N/A
	Right Cheek	0.224	0.105	0.329	N/A	N/A
	Right Tilt 15 Degree	0.176	0.037	0.213	N/A	N/A
Body-Worn	Front Side	0.244	0.139	0.383	N/A	N/A
	Back Side	0.400	0.346	0.746	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XIV and WLAN 5.2G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band V	WLAN 5.2G			
Head	Left Cheek	0.277	0.111	0.388	N/A	N/A
	Left Tilt 15 Degree	0.196	0.042	0.238	N/A	N/A
	Right Cheek	0.272	0.105	0.377	N/A	N/A
	Right Tilt 15 Degree	0.192	0.037	0.229	N/A	N/A
Body-Worn	Front Side	0.201	0.139	0.340	N/A	N/A
	Back Side	0.303	0.346	0.649	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band V and WLAN 5.2G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band IV	WLAN 5.2G			
Head	Left Cheek	0.180	0.111	0.291	N/A	N/A
	Left Tilt 15 Degree	0.110	0.042	0.152	N/A	N/A
	Right Cheek	0.174	0.105	0.279	N/A	N/A
	Right Tilt 15 Degree	0.107	0.037	0.144	N/A	N/A
Body-Worn	Front Side	0.288	0.139	0.427	N/A	N/A
	Back Side	0.608	0.346	0.954	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band IV and WLAN 5.2G.

Test Position	Scaled SAR _{MAX}		Σ 1-g SAR	SPLSR	Remark
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		LTE Band II	WLAN 5.2G	(W/Kg)		
Head	Left Cheek	0.362	0.111	0.473	N/A	N/A
	Left Tilt 15 Degree	0.292	0.042	0.334	N/A	N/A
	Right Cheek	0.353	0.105	0.458	N/A	N/A
	Right Tilt 15 Degree	0.285	0.037	0.322	N/A	N/A
Body-Worn	Front Side	0.363	0.139	0.502	N/A	N/A
	Back Side	0.415	0.346	0.761	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band II and WLAN 5.2G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XXV	WLAN 5.2G			
Head	Left Cheek	0.285	0.111	0.396	N/A	N/A
	Left Tilt 15 Degree	0.207	0.042	0.249	N/A	N/A
	Right Cheek	0.277	0.105	0.382	N/A	N/A
	Right Tilt 15 Degree	0.198	0.037	0.235	N/A	N/A
Body-Worn	Front Side	0.279	0.139	0.418	N/A	N/A
	Back Side	0.325	0.346	0.671	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XXV and WLAN 5.2G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XXVI	WLAN 5.2G			
Head	Left Cheek	0.232	0.111	0.343	N/A	N/A
	Left Tilt 15 Degree	0.185	0.042	0.227	N/A	N/A
	Right Cheek	0.219	0.105	0.324	N/A	N/A
	Right Tilt 15 Degree	0.176	0.037	0.213	N/A	N/A
Body-Worn	Front Side	0.183	0.139	0.322	N/A	N/A
	Back Side	0.512	0.346	0.858	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XXVI and WLAN 5.2G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band VII	WLAN 5.2G			
Head	Left Cheek	0.122	0.111	0.233	N/A	N/A
	Left Tilt 15 Degree	0.042	0.042	0.084	N/A	N/A
	Right Cheek	0.119	0.105	0.224	N/A	N/A
	Right Tilt 15 Degree	0.040	0.037	0.077	N/A	N/A

Body-Worn	Front Side	0.659	0.139	0.798	N/A	N/A
	Back Side	0.794	0.346	1.140	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band VII and WLAN 5.2G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XLI	WLAN 5.2G			
Head	Left Cheek	0.093	0.111	0.204	N/A	N/A
	Left Tilt 15 Degree	0.034	0.042	0.076	N/A	N/A
	Right Cheek	0.087	0.105	0.192	N/A	N/A
	Right Tilt 15 Degree	0.031	0.037	0.068	N/A	N/A
Body-Worn	Front Side	0.545	0.139	0.684	N/A	N/A
	Back Side	0.793	0.346	1.139	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XLI and WLAN 5.2G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		GSM 850	WLAN 5.8G			
Head	Left Cheek	0.463	0.087	0.550	N/A	N/A
	Left Tilt 15 Degree	0.245	0.032	0.277	N/A	N/A
	Right Cheek	0.432	0.082	0.514	N/A	N/A
	Right Tilt 15 Degree	0.230	0.030	0.261	N/A	N/A
Body-Worn	Front Side	0.287	0.117	0.404	N/A	N/A
	Back Side	1.042	0.202	1.244	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of GSM850 and WLAN 5.8G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		GSM 1900	WLAN 5.8G			
Head	Left Cheek	0.400	0.087	0.487	N/A	N/A
	Left Tilt 15 Degree	0.153	0.032	0.186	N/A	N/A
	Right Cheek	0.371	0.082	0.453	N/A	N/A
	Right Tilt 15 Degree	0.138	0.030	0.168	N/A	N/A
Body-Worn	Front Side	0.495	0.117	0.612	N/A	N/A
	Back Side	0.565	0.202	0.767	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of GSM1900 and WLAN 5.8G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		WCDMA Band V	WLAN 5.8G			
Head	Left Cheek	0.252	0.087	0.339	N/A	N/A

	Left Tilt 15 Degree	0.185	0.032	0.218	N/A	N/A
	Right Cheek	0.244	0.082	0.326	N/A	N/A
	Right Tilt 15 Degree	0.177	0.030	0.207	N/A	N/A
Body-Worn	Front Side	0.234	0.117	0.351	N/A	N/A
	Back Side	0.488	0.202	0.690	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of WCDMA Band V and WLAN 5.8G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		WCDMA Band IV	WLAN 5.8G			
Head	Left Cheek	0.368	0.087	0.455	N/A	N/A
	Left Tilt 15 Degree	0.235	0.032	0.267	N/A	N/A
	Right Cheek	0.347	0.082	0.429	N/A	N/A
	Right Tilt 15 Degree	0.227	0.030	0.257	N/A	N/A
Body-Worn	Front Side	0.443	0.117	0.560	N/A	N/A
	Back Side	0.674	0.202	0.876	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of WCDMA Band IV and WLAN 5.8G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		WCDMA Band II	WLAN 5.8G			
Head	Left Cheek	0.237	0.087	0.324	N/A	N/A
	Left Tilt 15 Degree	0.148	0.032	0.180	N/A	N/A
	Right Cheek	0.226	0.082	0.308	N/A	N/A
	Right Tilt 15 Degree	0.141	0.030	0.171	N/A	N/A
Body-Worn	Front Side	0.426	0.117	0.543	N/A	N/A
	Back Side	0.592	0.202	0.794	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of WCDMA Band II and WLAN 5.8G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XII	WLAN 5.8G			
Head	Left Cheek	0.161	0.087	0.248	N/A	N/A
	Left Tilt 15 Degree	0.112	0.032	0.145	N/A	N/A
	Right Cheek	0.154	0.082	0.235	N/A	N/A
	Right Tilt 15 Degree	0.108	0.030	0.138	N/A	N/A
Body-Worn	Front Side	0.245	0.117	0.363	N/A	N/A
	Back Side	0.407	0.202	0.610	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XII and WLAN 5.8G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XIII	WLAN 5.8G			
Head	Left Cheek	0.227	0.087	0.314	N/A	N/A
	Left Tilt 15 Degree	0.171	0.032	0.203	N/A	N/A
	Right Cheek	0.218	0.082	0.300	N/A	N/A
	Right Tilt 15 Degree	0.161	0.030	0.191	N/A	N/A
Body-Worn	Front Side	0.271	0.117	0.388	N/A	N/A
	Back Side	0.382	0.202	0.584	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XIII and WLAN 5.8G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XIV	WLAN 5.8G			
Head	Left Cheek	0.240	0.087	0.326	N/A	N/A
	Left Tilt 15 Degree	0.182	0.032	0.215	N/A	N/A
	Right Cheek	0.224	0.082	0.306	N/A	N/A
	Right Tilt 15 Degree	0.176	0.030	0.206	N/A	N/A
Body-Worn	Front Side	0.244	0.117	0.361	N/A	N/A
	Back Side	0.400	0.202	0.602	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XIV and WLAN 5.8G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band V	WLAN 5.8G			
Head	Left Cheek	0.277	0.087	0.364	N/A	N/A
	Left Tilt 15 Degree	0.196	0.032	0.229	N/A	N/A
	Right Cheek	0.272	0.082	0.354	N/A	N/A
	Right Tilt 15 Degree	0.192	0.030	0.222	N/A	N/A
Body-Worn	Front Side	0.201	0.117	0.319	N/A	N/A
	Back Side	0.303	0.202	0.505	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band V and WLAN 5.8G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band IV	WLAN 5.8G			
Head	Left Cheek	0.180	0.087	0.267	N/A	N/A
	Left Tilt 15 Degree	0.110	0.032	0.143	N/A	N/A
	Right Cheek	0.174	0.082	0.255	N/A	N/A
	Right Tilt 15	0.107	0.030	0.138	N/A	N/A

	Degree					
Body-Worn	Front Side	0.288	0.117	0.406	N/A	N/A
	Back Side	0.608	0.202	0.810	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band IV and WLAN 5.8G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band II	WLAN 5.8G			
Head	Left Cheek	0.362	0.087	0.449	N/A	N/A
	Left Tilt 15 Degree	0.292	0.032	0.325	N/A	N/A
	Right Cheek	0.353	0.082	0.435	N/A	N/A
	Right Tilt 15 Degree	0.285	0.030	0.315	N/A	N/A
Body-Worn	Front Side	0.363	0.117	0.480	N/A	N/A
	Back Side	0.415	0.202	0.617	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band II and WLAN 5.8G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XXV	WLAN 5.8G			
Head	Left Cheek	0.285	0.087	0.372	N/A	N/A
	Left Tilt 15 Degree	0.207	0.032	0.239	N/A	N/A
	Right Cheek	0.277	0.082	0.359	N/A	N/A
	Right Tilt 15 Degree	0.198	0.030	0.228	N/A	N/A
Body-Worn	Front Side	0.279	0.117	0.397	N/A	N/A
	Back Side	0.325	0.202	0.528	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XXV and WLAN 5.8G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XXVI	WLAN 5.8G			
Head	Left Cheek	0.232	0.087	0.319	N/A	N/A
	Left Tilt 15 Degree	0.185	0.032	0.217	N/A	N/A
	Right Cheek	0.219	0.082	0.300	N/A	N/A
	Right Tilt 15 Degree	0.176	0.030	0.206	N/A	N/A
Body-Worn	Front Side	0.183	0.117	0.300	N/A	N/A
	Back Side	0.512	0.202	0.714	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XXVI and WLAN 5.8G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band	WLAN 5.8G			

		VII				
Head	Left Cheek	0.122	0.087	0.209	N/A	N/A
	Left Tilt 15 Degree	0.042	0.032	0.075	N/A	N/A
	Right Cheek	0.119	0.082	0.200	N/A	N/A
	Right Tilt 15 Degree	0.040	0.030	0.071	N/A	N/A
Body-Worn	Front Side	0.659	0.117	0.776	N/A	N/A
	Back Side	0.794	0.202	0.997	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band VII and WLAN 5.8G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XLI	WLAN 5.8G			
Head	Left Cheek	0.093	0.087	0.180	N/A	N/A
	Left Tilt 15 Degree	0.034	0.032	0.067	N/A	N/A
	Right Cheek	0.087	0.082	0.169	N/A	N/A
	Right Tilt 15 Degree	0.031	0.030	0.062	N/A	N/A
Body-Worn	Front Side	0.545	0.117	0.662	N/A	N/A
	Back Side	0.793	0.202	0.995	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XLI and WLAN 5.8G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		GSM 850	WLAN 5.3G			
Head	Left Cheek	0.463	0.295	0.758	N/A	N/A
	Left Tilt 15 Degree	0.245	0.130	0.375	N/A	N/A
	Right Cheek	0.432	0.304	0.737	N/A	N/A
	Right Tilt 15 Degree	0.230	0.134	0.364	N/A	N/A
Body-Worn	Front Side	0.287	0.159	0.446	N/A	N/A
	Back Side	1.042	0.195	1.237	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of GSM850 and WLAN 5.3G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		GSM 1900	WLAN 5.3G			
Head	Left Cheek	0.400	0.295	0.695	N/A	N/A
	Left Tilt 15 Degree	0.153	0.130	0.283	N/A	N/A
	Right Cheek	0.371	0.304	0.675	N/A	N/A
	Right Tilt 15 Degree	0.138	0.134	0.271	N/A	N/A
Body-Worn	Front Side	0.495	0.159	0.654	N/A	N/A
	Back Side	0.565	0.195	0.760	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of GSM1900 and WLAN 5.3G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		WCDMA Band V	WLAN 5.3G			
Head	Left Cheek	0.252	0.295	0.547	N/A	N/A
	Left Tilt 15 Degree	0.185	0.130	0.315	N/A	N/A
	Right Cheek	0.244	0.304	0.548	N/A	N/A
	Right Tilt 15 Degree	0.177	0.134	0.310	N/A	N/A
Body-Worn	Front Side	0.234	0.159	0.393	N/A	N/A
	Back Side	0.488	0.195	0.683	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of WCDMA Band V and WLAN 5.3G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		WCDMA Band IV	WLAN 5.3G			
Head	Left Cheek	0.368	0.295	0.663	N/A	N/A
	Left Tilt 15 Degree	0.235	0.130	0.365	N/A	N/A
	Right Cheek	0.347	0.304	0.651	N/A	N/A
	Right Tilt 15 Degree	0.227	0.134	0.360	N/A	N/A
Body-Worn	Front Side	0.443	0.159	0.602	N/A	N/A
	Back Side	0.674	0.195	0.869	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of WCDMA Band IV and WLAN 5.3G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		WCDMA Band II	WLAN 5.3G			
Head	Left Cheek	0.237	0.295	0.532	N/A	N/A
	Left Tilt 15 Degree	0.148	0.130	0.278	N/A	N/A
	Right Cheek	0.226	0.304	0.530	N/A	N/A
	Right Tilt 15 Degree	0.141	0.134	0.275	N/A	N/A
Body-Worn	Front Side	0.426	0.159	0.585	N/A	N/A
	Back Side	0.592	0.195	0.787	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of WCDMA Band II and WLAN 5.3G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XII	WLAN 5.3G			
Head	Left Cheek	0.161	0.295	0.456	N/A	N/A
	Left Tilt 15 Degree	0.112	0.130	0.242	N/A	N/A

	Right Cheek	0.154	0.304	0.458	N/A	N/A
	Right Tilt 15 Degree	0.108	0.134	0.241	N/A	N/A
Body-Worn	Front Side	0.245	0.159	0.405	N/A	N/A
	Back Side	0.407	0.195	0.603	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XII and WLAN 5.3G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XIII	WLAN 5.3G			
Head	Left Cheek	0.227	0.295	0.522	N/A	N/A
	Left Tilt 15 Degree	0.171	0.130	0.301	N/A	N/A
	Right Cheek	0.218	0.304	0.522	N/A	N/A
	Right Tilt 15 Degree	0.161	0.134	0.294	N/A	N/A
Body-Worn	Front Side	0.271	0.159	0.430	N/A	N/A
	Back Side	0.382	0.195	0.577	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XIII and WLAN 5.3G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XIV	WLAN 5.3G			
Head	Left Cheek	0.240	0.295	0.535	N/A	N/A
	Left Tilt 15 Degree	0.182	0.130	0.312	N/A	N/A
	Right Cheek	0.224	0.304	0.528	N/A	N/A
	Right Tilt 15 Degree	0.176	0.134	0.309	N/A	N/A
Body-Worn	Front Side	0.244	0.159	0.403	N/A	N/A
	Back Side	0.400	0.195	0.595	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XIV and WLAN 5.3G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band V	WLAN 5.3G			
Head	Left Cheek	0.277	0.295	0.572	N/A	N/A
	Left Tilt 15 Degree	0.196	0.130	0.326	N/A	N/A
	Right Cheek	0.272	0.304	0.576	N/A	N/A
	Right Tilt 15 Degree	0.192	0.134	0.325	N/A	N/A
Body-Worn	Front Side	0.201	0.159	0.361	N/A	N/A
	Back Side	0.303	0.195	0.498	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band V and WLAN 5.3G.

Test Position	Scaled SAR _{MAX}		Σ 1-g SAR	SPLSR	Remark
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		LTE Band IV	WLAN 5.3G	(W/Kg)		
Head	Left Cheek	0.180	0.295	0.475	N/A	N/A
	Left Tilt 15 Degree	0.110	0.130	0.241	N/A	N/A
	Right Cheek	0.174	0.304	0.478	N/A	N/A
	Right Tilt 15 Degree	0.107	0.134	0.241	N/A	N/A
Body-Worn	Front Side	0.288	0.159	0.448	N/A	N/A
	Back Side	0.608	0.195	0.803	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band IV and WLAN 5.3G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band II	WLAN 5.3G			
Head	Left Cheek	0.362	0.295	0.657	N/A	N/A
	Left Tilt 15 Degree	0.292	0.130	0.422	N/A	N/A
	Right Cheek	0.353	0.304	0.658	N/A	N/A
	Right Tilt 15 Degree	0.285	0.134	0.418	N/A	N/A
Body-Worn	Front Side	0.363	0.159	0.522	N/A	N/A
	Back Side	0.415	0.195	0.610	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band II and WLAN 5.3G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XXV	WLAN 5.3G			
Head	Left Cheek	0.285	0.295	0.580	N/A	N/A
	Left Tilt 15 Degree	0.207	0.130	0.337	N/A	N/A
	Right Cheek	0.277	0.304	0.581	N/A	N/A
	Right Tilt 15 Degree	0.198	0.134	0.331	N/A	N/A
Body-Worn	Front Side	0.279	0.159	0.439	N/A	N/A
	Back Side	0.325	0.195	0.521	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XXV and WLAN 5.3G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XXVI	WLAN 5.3G			
Head	Left Cheek	0.232	0.295	0.527	N/A	N/A
	Left Tilt 15 Degree	0.185	0.130	0.315	N/A	N/A
	Right Cheek	0.219	0.304	0.523	N/A	N/A
	Right Tilt 15 Degree	0.176	0.134	0.309	N/A	N/A
Body-Worn	Front Side	0.183	0.159	0.342	N/A	N/A

	Back Side	0.512	0.195	0.707	N/A	N/A
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NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XXVI and WLAN 5.3G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band VII	WLAN 5.3G			
Head	Left Cheek	0.122	0.295	0.417	N/A	N/A
	Left Tilt 15 Degree	0.042	0.130	0.172	N/A	N/A
	Right Cheek	0.119	0.304	0.423	N/A	N/A
	Right Tilt 15 Degree	0.040	0.134	0.174	N/A	N/A
Body-Worn	Front Side	0.659	0.159	0.818	N/A	N/A
	Back Side	0.794	0.195	0.990	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band VII and WLAN 5.3G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XLI	WLAN 5.3G			
Head	Left Cheek	0.093	0.295	0.389	N/A	N/A
	Left Tilt 15 Degree	0.034	0.130	0.164	N/A	N/A
	Right Cheek	0.087	0.304	0.391	N/A	N/A
	Right Tilt 15 Degree	0.031	0.134	0.165	N/A	N/A
Body-Worn	Front Side	0.545	0.159	0.704	N/A	N/A
	Back Side	0.793	0.195	0.988	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XLI and WLAN 5.3G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		GSM 850	WLAN 5.6G			
Head	Left Cheek	0.463	0.180	0.643	N/A	N/A
	Left Tilt 15 Degree	0.245	0.120	0.365	N/A	N/A
	Right Cheek	0.432	0.234	0.666	N/A	N/A
	Right Tilt 15 Degree	0.230	0.134	0.364	N/A	N/A
Body-Worn	Front Side	0.287	0.134	0.421	N/A	N/A
	Back Side	1.042	0.170	1.212	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of GSM850 and WLAN 5.6G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		GSM 1900	WLAN 5.6G			
Head	Left Cheek	0.400	0.180	0.580	N/A	N/A

	Left Tilt 15 Degree	0.153	0.120	0.273	N/A	N/A
	Right Cheek	0.371	0.234	0.605	N/A	N/A
	Right Tilt 15 Degree	0.138	0.134	0.272	N/A	N/A
Body-Worn	Front Side	0.495	0.134	0.629	N/A	N/A
	Back Side	0.565	0.170	0.735	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of GSM1900 and WLAN 5.6G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		WCDMA Band V	WLAN 5.6G			
Head	Left Cheek	0.252	0.180	0.432	N/A	N/A
	Left Tilt 15 Degree	0.185	0.120	0.305	N/A	N/A
	Right Cheek	0.244	0.234	0.478	N/A	N/A
	Right Tilt 15 Degree	0.177	0.134	0.311	N/A	N/A
Body-Worn	Front Side	0.234	0.134	0.368	N/A	N/A
	Back Side	0.488	0.170	0.658	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of WCDMA Band V and WLAN 5.6G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		WCDMA Band IV	WLAN 5.6G			
Head	Left Cheek	0.368	0.180	0.548	N/A	N/A
	Left Tilt 15 Degree	0.235	0.120	0.355	N/A	N/A
	Right Cheek	0.347	0.234	0.581	N/A	N/A
	Right Tilt 15 Degree	0.227	0.134	0.361	N/A	N/A
Body-Worn	Front Side	0.443	0.134	0.577	N/A	N/A
	Back Side	0.674	0.170	0.845	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of WCDMA Band IV and WLAN 5.6G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		WCDMA Band II	WLAN 5.6G			
Head	Left Cheek	0.237	0.180	0.417	N/A	N/A
	Left Tilt 15 Degree	0.148	0.120	0.268	N/A	N/A
	Right Cheek	0.226	0.234	0.460	N/A	N/A
	Right Tilt 15 Degree	0.141	0.134	0.275	N/A	N/A
Body-Worn	Front Side	0.426	0.134	0.560	N/A	N/A
	Back Side	0.592	0.170	0.762	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of WCDMA Band II and WLAN 5.6G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XII	WLAN 5.6G			
Head	Left Cheek	0.161	0.180	0.341	N/A	N/A
	Left Tilt 15 Degree	0.112	0.120	0.232	N/A	N/A
	Right Cheek	0.154	0.234	0.387	N/A	N/A
	Right Tilt 15 Degree	0.108	0.134	0.242	N/A	N/A
Body-Worn	Front Side	0.245	0.134	0.379	N/A	N/A
	Back Side	0.407	0.170	0.578	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XII and WLAN 5.6G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XIII	WLAN 5.6G			
Head	Left Cheek	0.227	0.180	0.407	N/A	N/A
	Left Tilt 15 Degree	0.171	0.120	0.291	N/A	N/A
	Right Cheek	0.218	0.234	0.452	N/A	N/A
	Right Tilt 15 Degree	0.161	0.134	0.295	N/A	N/A
Body-Worn	Front Side	0.271	0.134	0.405	N/A	N/A
	Back Side	0.382	0.170	0.552	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XIII and WLAN 5.6G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XIV	WLAN 5.6G			
Head	Left Cheek	0.240	0.180	0.420	N/A	N/A
	Left Tilt 15 Degree	0.182	0.120	0.302	N/A	N/A
	Right Cheek	0.224	0.234	0.458	N/A	N/A
	Right Tilt 15 Degree	0.176	0.134	0.310	N/A	N/A
Body-Worn	Front Side	0.244	0.134	0.378	N/A	N/A
	Back Side	0.400	0.170	0.570	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XIV and WLAN 5.6G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band V	WLAN 5.6G			
Head	Left Cheek	0.277	0.180	0.457	N/A	N/A
	Left Tilt 15 Degree	0.196	0.120	0.316	N/A	N/A
	Right Cheek	0.272	0.234	0.506	N/A	N/A

	Right Tilt 15 Degree	0.192	0.134	0.326	N/A	N/A
Body-Worn	Front Side	0.201	0.134	0.335	N/A	N/A
	Back Side	0.303	0.170	0.473	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band V and WLAN 5.6G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band IV	WLAN 5.6G			
Head	Left Cheek	0.180	0.180	0.360	N/A	N/A
	Left Tilt 15 Degree	0.110	0.120	0.230	N/A	N/A
	Right Cheek	0.174	0.234	0.407	N/A	N/A
	Right Tilt 15 Degree	0.107	0.134	0.241	N/A	N/A
Body-Worn	Front Side	0.288	0.134	0.422	N/A	N/A
	Back Side	0.608	0.170	0.778	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band IV and WLAN 5.6G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band II	WLAN 5.6G			
Head	Left Cheek	0.362	0.180	0.542	N/A	N/A
	Left Tilt 15 Degree	0.292	0.120	0.412	N/A	N/A
	Right Cheek	0.353	0.234	0.587	N/A	N/A
	Right Tilt 15 Degree	0.285	0.134	0.419	N/A	N/A
Body-Worn	Front Side	0.363	0.134	0.497	N/A	N/A
	Back Side	0.415	0.170	0.585	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band II and WLAN 5.6G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XXV	WLAN 5.6G			
Head	Left Cheek	0.285	0.180	0.465	N/A	N/A
	Left Tilt 15 Degree	0.207	0.120	0.327	N/A	N/A
	Right Cheek	0.277	0.234	0.511	N/A	N/A
	Right Tilt 15 Degree	0.198	0.134	0.332	N/A	N/A
Body-Worn	Front Side	0.279	0.134	0.413	N/A	N/A
	Back Side	0.325	0.170	0.496	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XXV and WLAN 5.6G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XXVI	WLAN 5.6G			

Head	Left Cheek	0.232	0.180	0.412	N/A	N/A
	Left Tilt 15 Degree	0.185	0.120	0.305	N/A	N/A
	Right Cheek	0.219	0.234	0.452	N/A	N/A
	Right Tilt 15 Degree	0.176	0.134	0.310	N/A	N/A
Body-Worn	Front Side	0.183	0.134	0.317	N/A	N/A
	Back Side	0.512	0.170	0.683	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XXVI and WLAN 5.6G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band VII	WLAN 5.6G			
Head	Left Cheek	0.122	0.180	0.302	N/A	N/A
	Left Tilt 15 Degree	0.042	0.120	0.162	N/A	N/A
	Right Cheek	0.119	0.234	0.352	N/A	N/A
	Right Tilt 15 Degree	0.040	0.134	0.174	N/A	N/A
Body-Worn	Front Side	0.659	0.134	0.792	N/A	N/A
	Back Side	0.794	0.170	0.965	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band VII and WLAN 5.6G.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		LTE Band XLI	WLAN 5.6G			
Head	Left Cheek	0.093	0.180	0.273	N/A	N/A
	Left Tilt 15 Degree	0.034	0.120	0.154	N/A	N/A
	Right Cheek	0.087	0.234	0.321	N/A	N/A
	Right Tilt 15 Degree	0.031	0.134	0.165	N/A	N/A
Body-Worn	Front Side	0.545	0.134	0.678	N/A	N/A
	Back Side	0.793	0.170	0.963	N/A	N/A

NOTE: 1-g SAR Simultaneous Tx Combination of LTE Band XLI and WLAN 5.6G.

11. Appendix A. Photo documentation

Refer to appendix Test Setup photo---SAR

12. Appendix B. System Check Plots

Table of contents
MEASUREMENT 1 System Performance Check - SID750 - Head
MEASUREMENT 2 System Performance Check - SID750 - Body
MEASUREMENT 3 System Performance Check - SID835 - Head
MEASUREMENT 4 System Performance Check - SID835 - Body
MEASUREMENT 5 System Performance Check - SID1800 - Head
MEASUREMENT 6 System Performance Check - SID1800 - Body
MEASUREMENT 7 System Performance Check - SID1900 - Head
MEASUREMENT 8 System Performance Check - SID1900 - Body
MEASUREMENT 9 System Performance Check - SID2450 - Head
MEASUREMENT 10 System Performance Check - SID2450 - Body
MEASUREMENT 11 System Performance Check - SID2600 - Head
MEASUREMENT 12 System Performance Check - SID2600 - Body
MEASUREMENT 13 System Performance Check - SID5200 - Head
MEASUREMENT 14 System Performance Check - SID5200 - Body
MEASUREMENT 15 System Performance Check - SID5800 - Head
MEASUREMENT 16 System Performance Check - SID5800 - Body
MEASUREMENT 17 System Performance Check - SID835 - Head
MEASUREMENT 18 System Performance Check - SID835 - Body
MEASUREMENT 19 System Performance Check - SID5200 - Head
MEASUREMENT 20 System Performance Check - SID5200 - Body
MEASUREMENT 21 System Performance Check - SID5600 - Head
MEASUREMENT 22 System Performance Check - SID5600 - Body

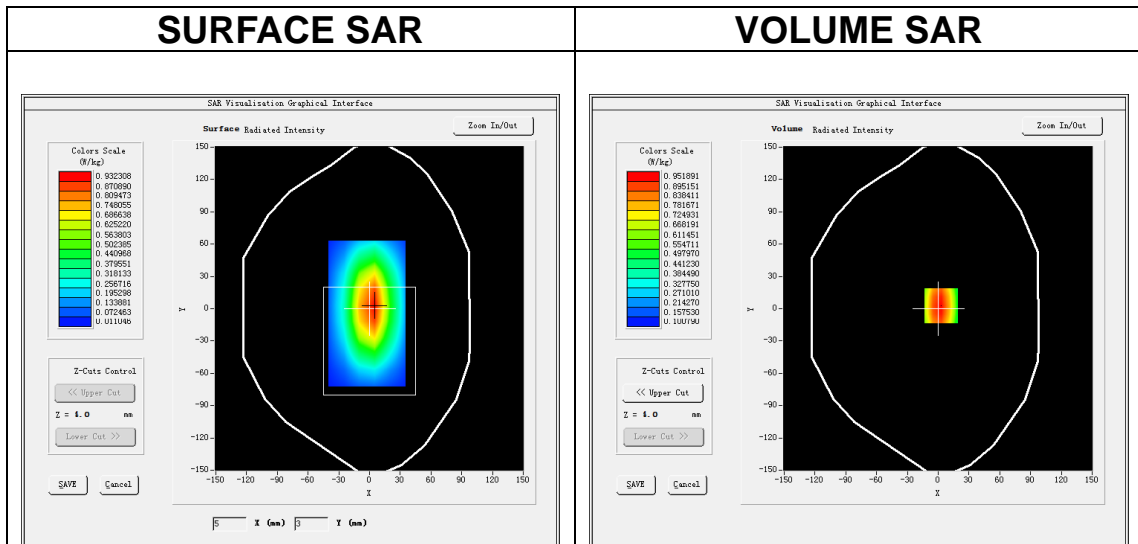
MEASUREMENT 1

A. Experimental conditions.

Area Scan	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm dz=5mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Dipole</u>
Band	<u>CW750</u>
Channels	<u>Middle</u>
Signal	<u>CW (Crest factor: 1.0)</u>

B. SAR Measurement Results

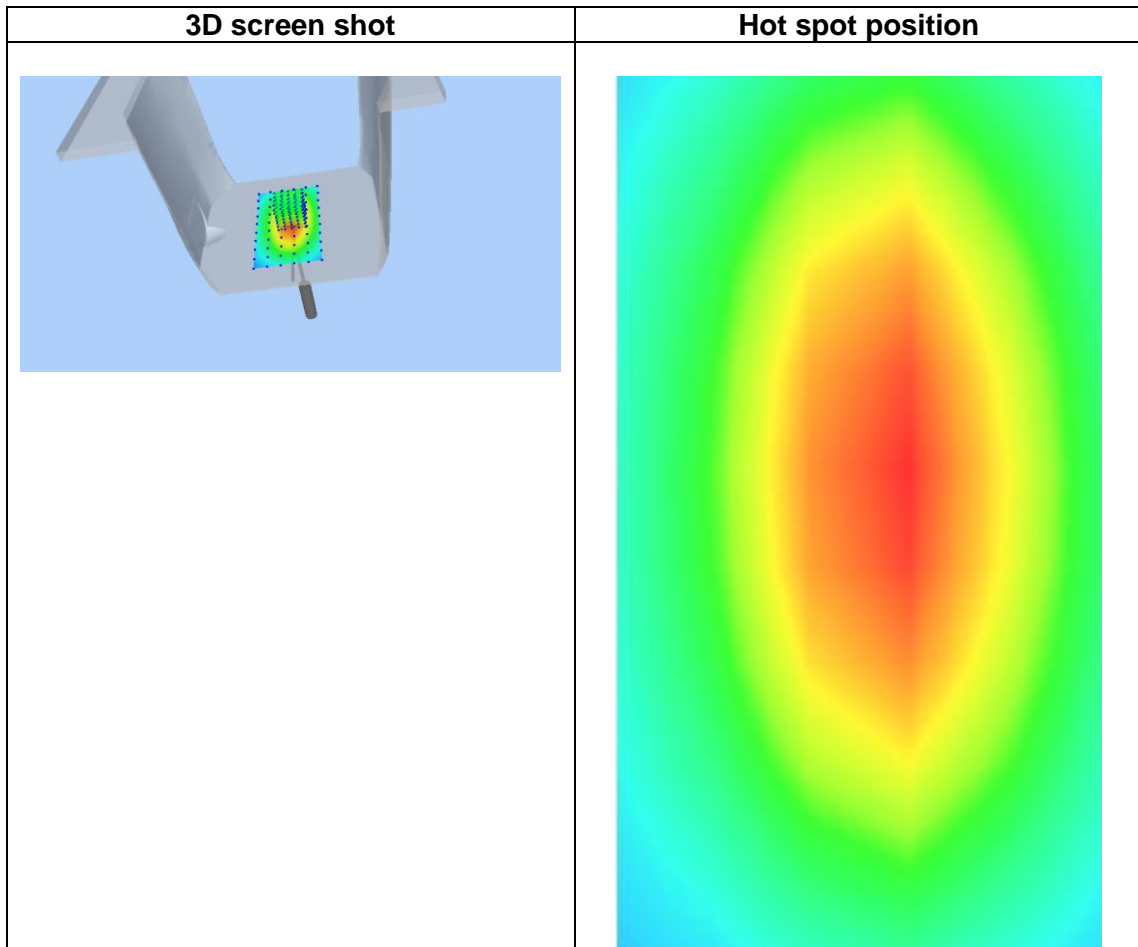
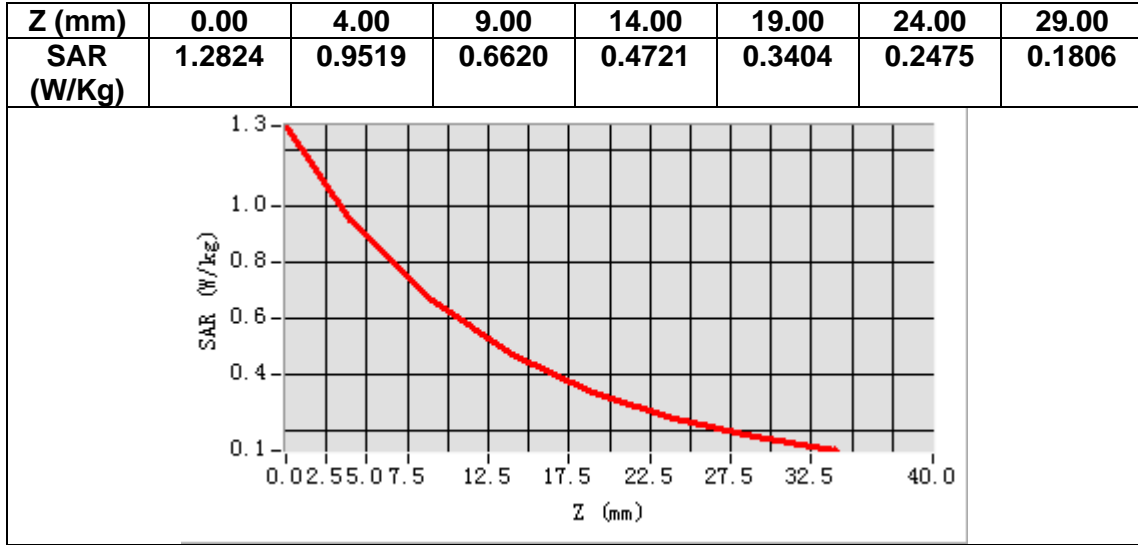
Frequency (MHz)	750.000000
Relative permittivity (real part)	41.532426
Relative permittivity (imaginary part)	21.263465
Conductivity (S/m)	0.893594
Variation (%)	0.020000



Maximum location: X=3.00, Y=3.00

SAR Peak: 1.29 W/kg

SAR 10g (W/Kg)	0.582816
SAR 1g (W/Kg)	0.835685



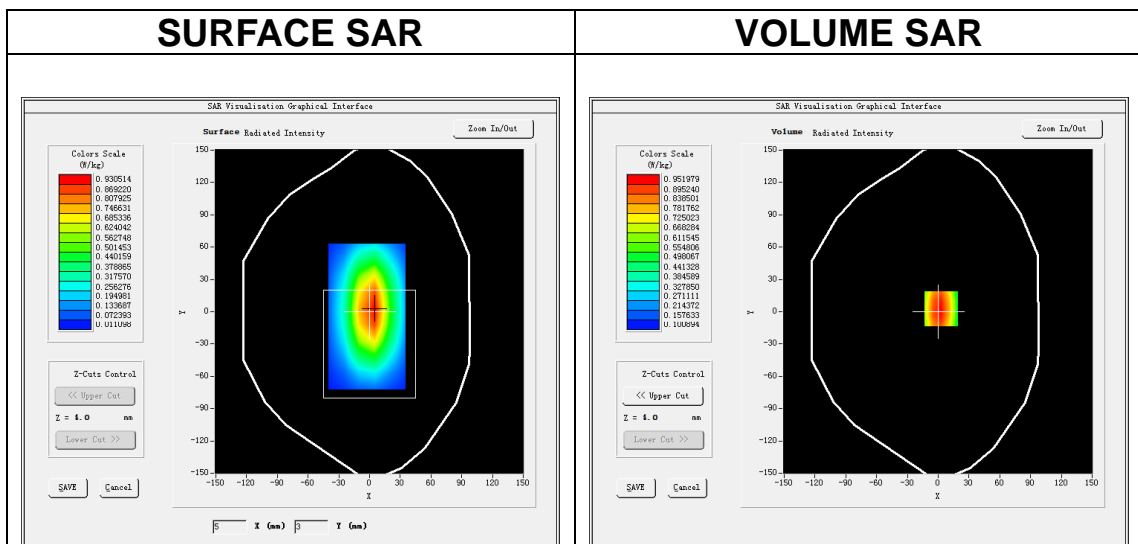
MEASUREMENT 2

A. Experimental conditions.

Area Scan	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm dz=5mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Dipole</u>
Band	<u>CW750</u>
Channels	<u>Middle</u>
Signal	<u>CW (Crest factor: 1.0)</u>

B. SAR Measurement Results

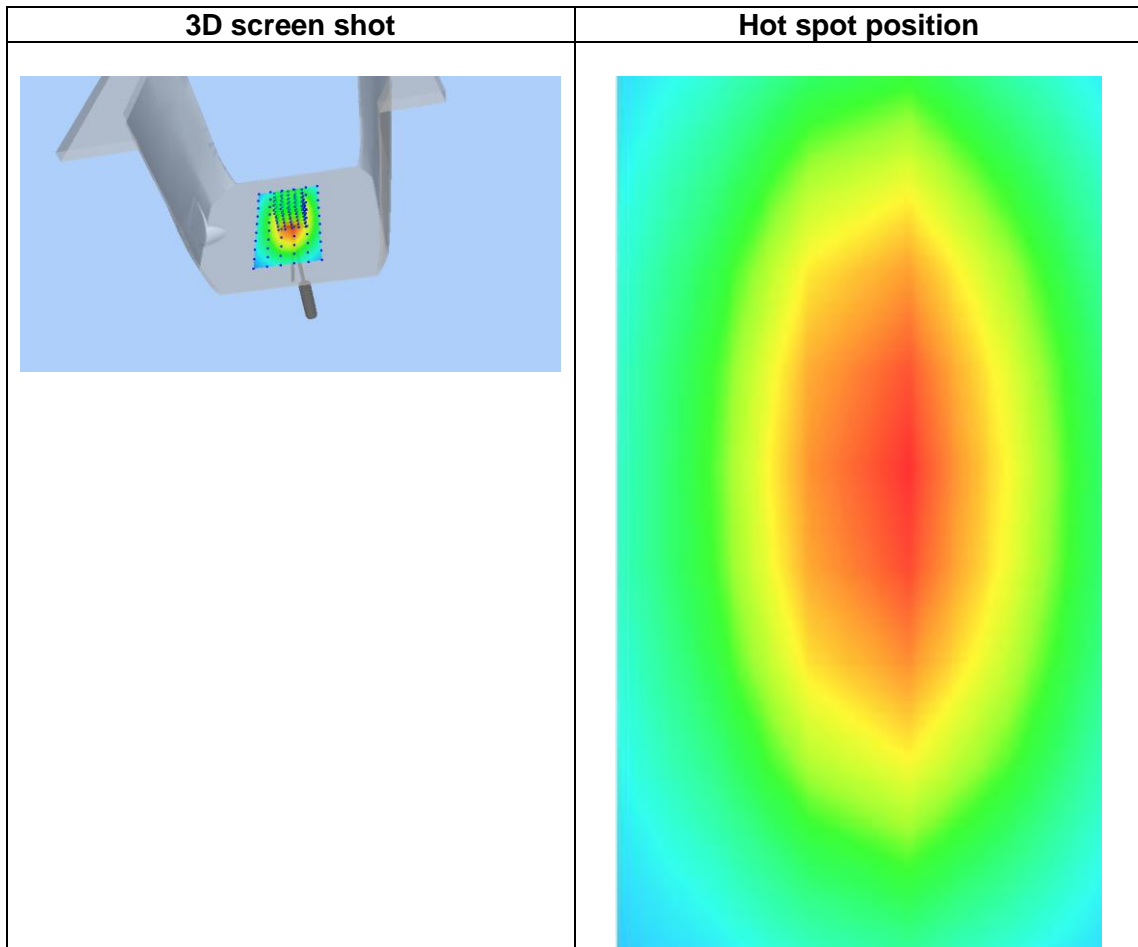
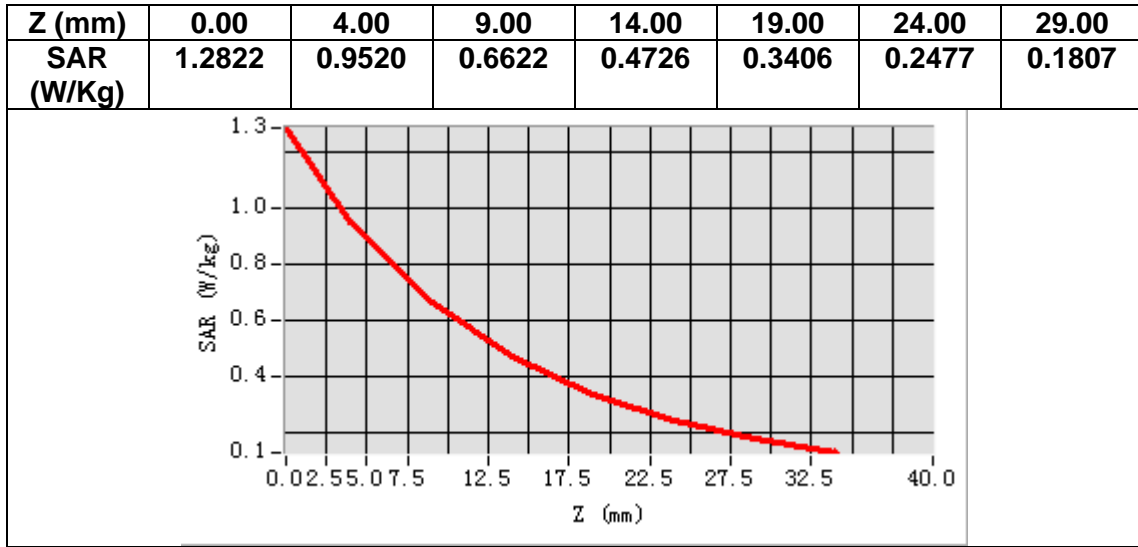
Frequency (MHz)	750.000000
Relative permittivity (real part)	55.432426
Relative permittivity (imaginary part)	23.193465
Conductivity (S/m)	0.970594
Variation (%)	0.100000



Maximum location: X=3.00, Y=3.00

SAR Peak: 1.29 W/kg

SAR 10g (W/Kg)	0.572027
SAR 1g (W/Kg)	0.885420



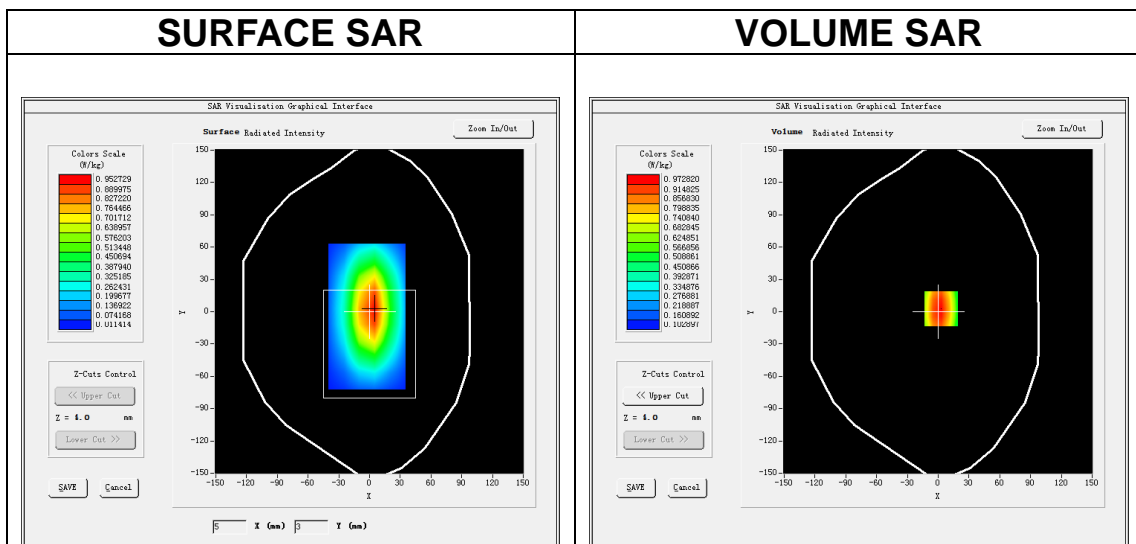
MEASUREMENT 3

A. Experimental conditions.

Area Scan	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm dz=5mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Dipole</u>
Band	<u>CW835</u>
Channels	<u>Middle</u>
Signal	<u>CW (Crest factor: 1.0)</u>

B. SAR Measurement Results

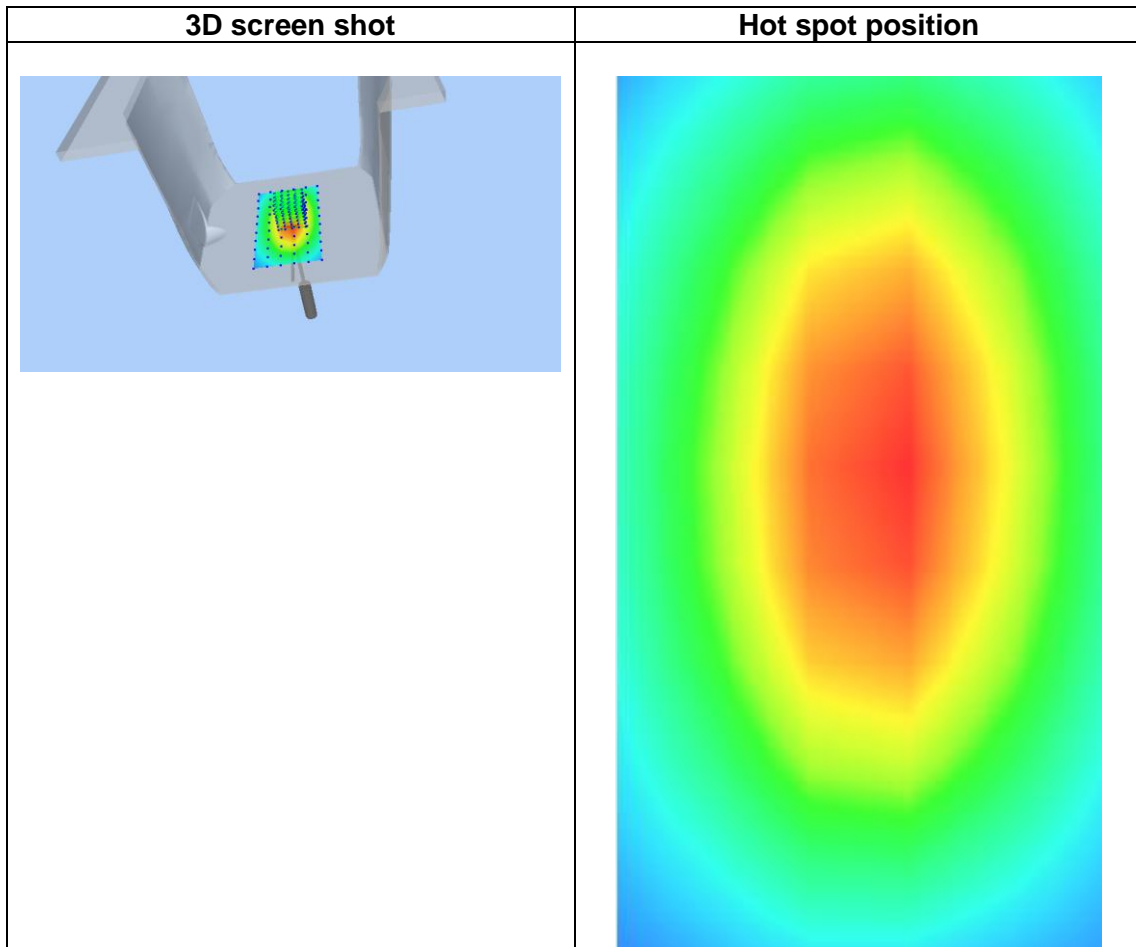
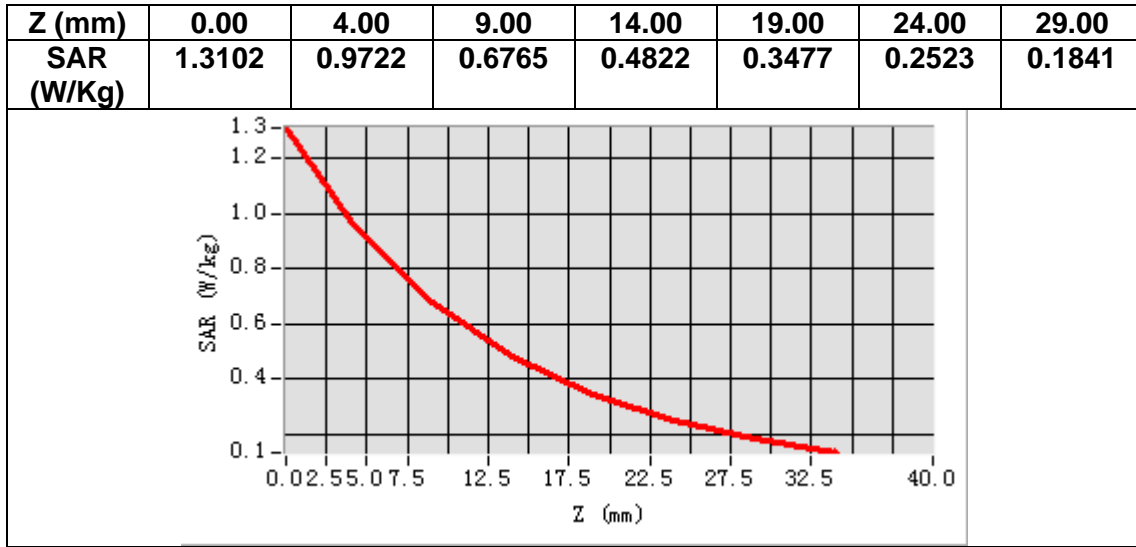
Frequency (MHz)	835.000000
Relative permittivity (real part)	41.623406
Relative permittivity (imaginary part)	19.493425
Conductivity (S/m)	0.902574
Variation (%)	-0.010000



Maximum location: X=3.00, Y=3.00

SAR Peak: 1.31 W/kg

SAR 10g (W/Kg)	0.611228
SAR 1g (W/Kg)	0.956014



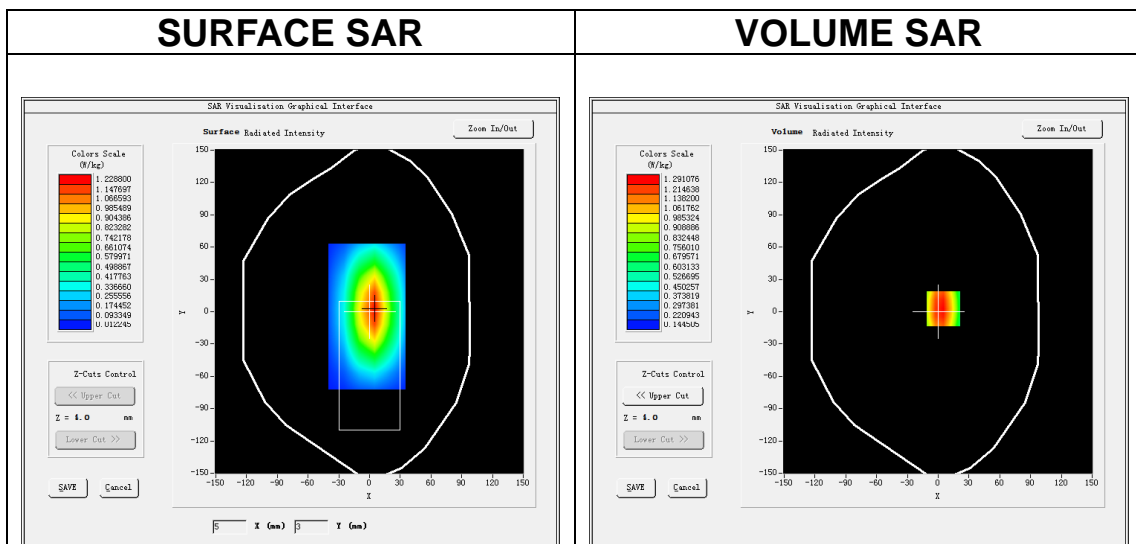
MEASUREMENT 4

A. Experimental conditions.

Area Scan	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm dz=5mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Dipole</u>
Band	<u>CW835</u>
Channels	<u>Middle</u>
Signal	<u>CW (Crest factor: 1.0)</u>

B. SAR Measurement Results

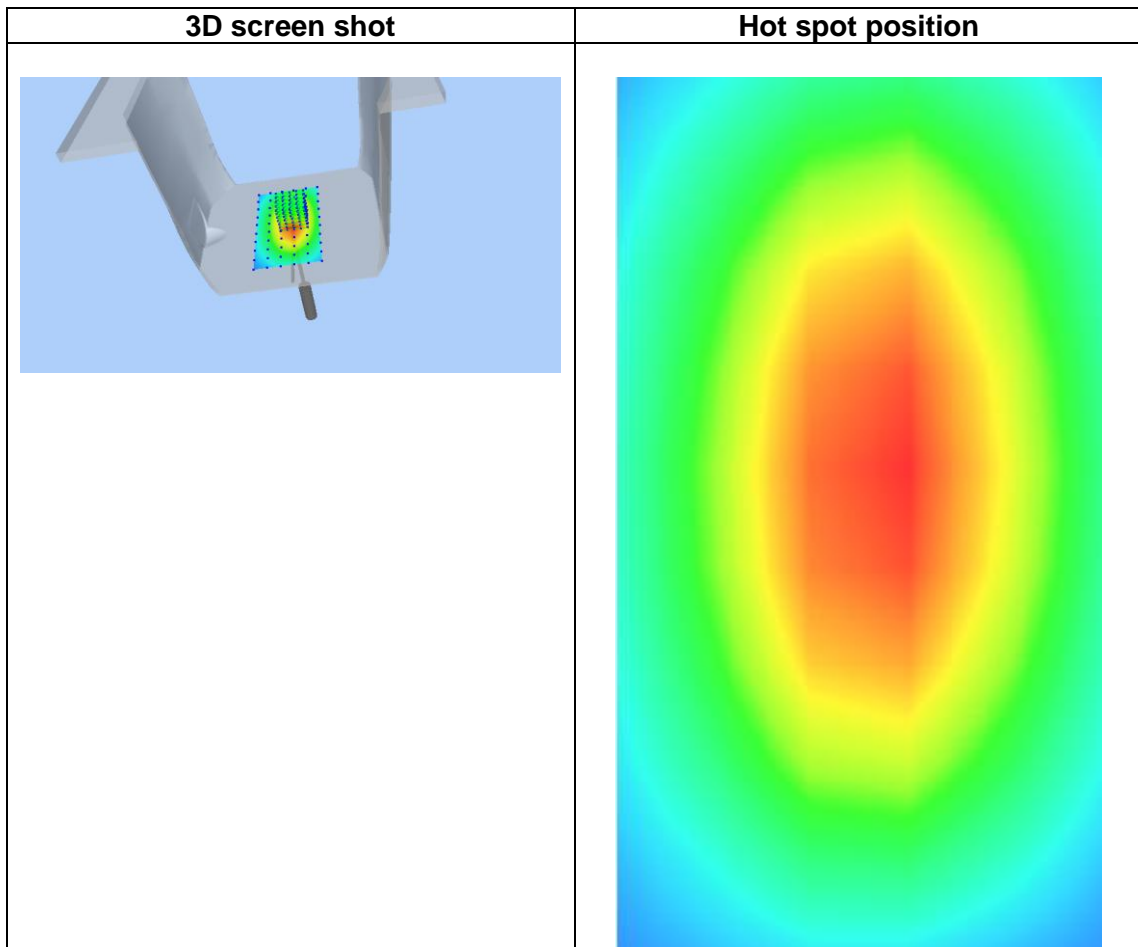
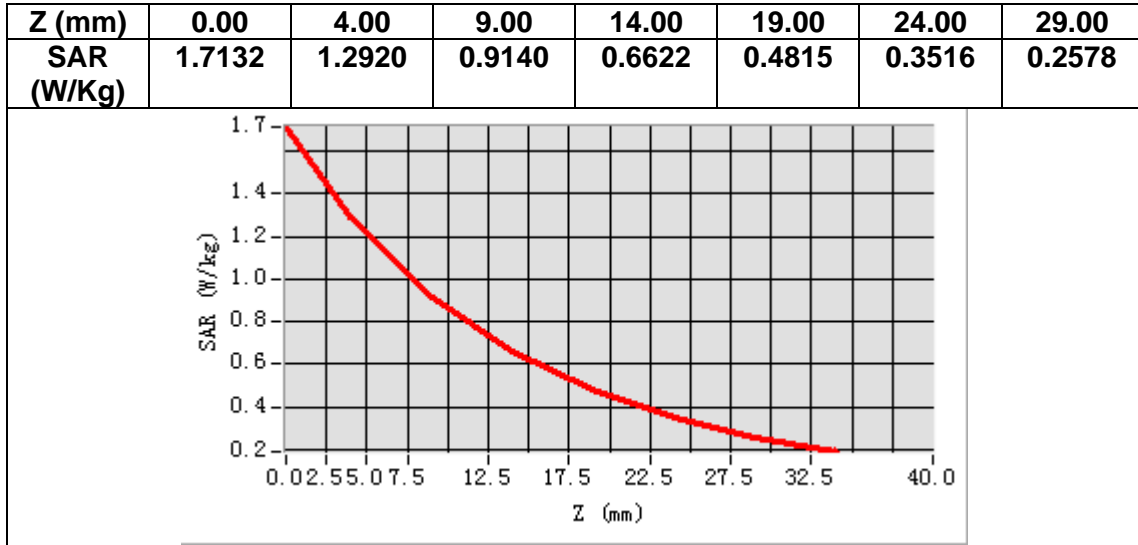
Frequency (MHz)	835.000000
Relative permittivity (real part)	54.920014
Relative permittivity (imaginary part)	21.470013
Conductivity (S/m)	1.001134
Variation (%)	3.820000



Maximum location: X=5.00, Y=3.00

SAR Peak: 1.73 W/kg

SAR 10g (W/Kg)	0.599265
SAR 1g (W/Kg)	0.918270



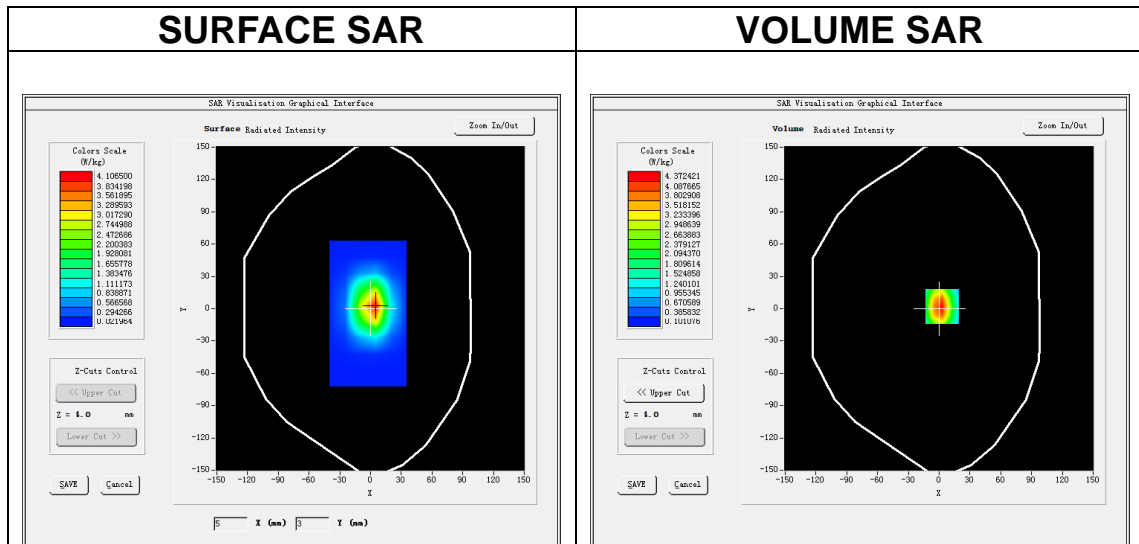
MEASUREMENT 5

A. Experimental conditions.

Area Scan	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm dz=5mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Dipole</u>
Band	<u>CW1800</u>
Channels	<u>Middle</u>
Signal	<u>CW (Crest factor: 1.0)</u>

B. SAR Measurement Results

Frequency (MHz)	1800.000000
Relative permittivity (real part)	39.542691
Relative permittivity (imaginary part)	13.983442
Conductivity (S/m)	1.401344
Variation (%)	-0.300000

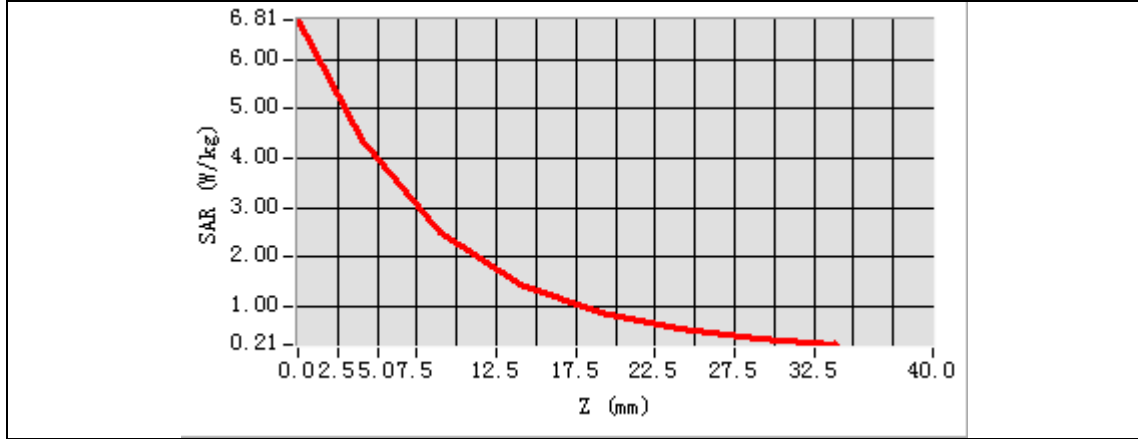


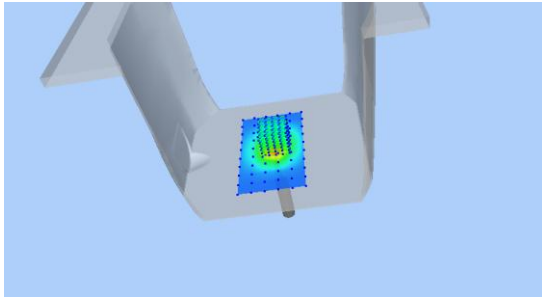
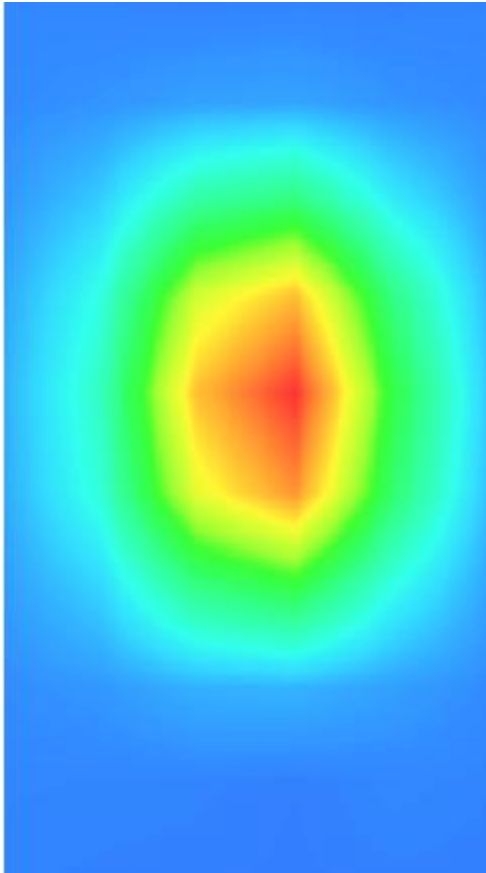
Maximum location: X=3.00, Y=2.00

SAR Peak: 6.89 W/kg

SAR 10g (W/Kg)	2.087259
SAR 1g (W/Kg)	4.011472

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	6.8108	4.3724	2.4720	1.4458	0.8697	0.5310	0.3318



3D screen shot	Hot spot position
	

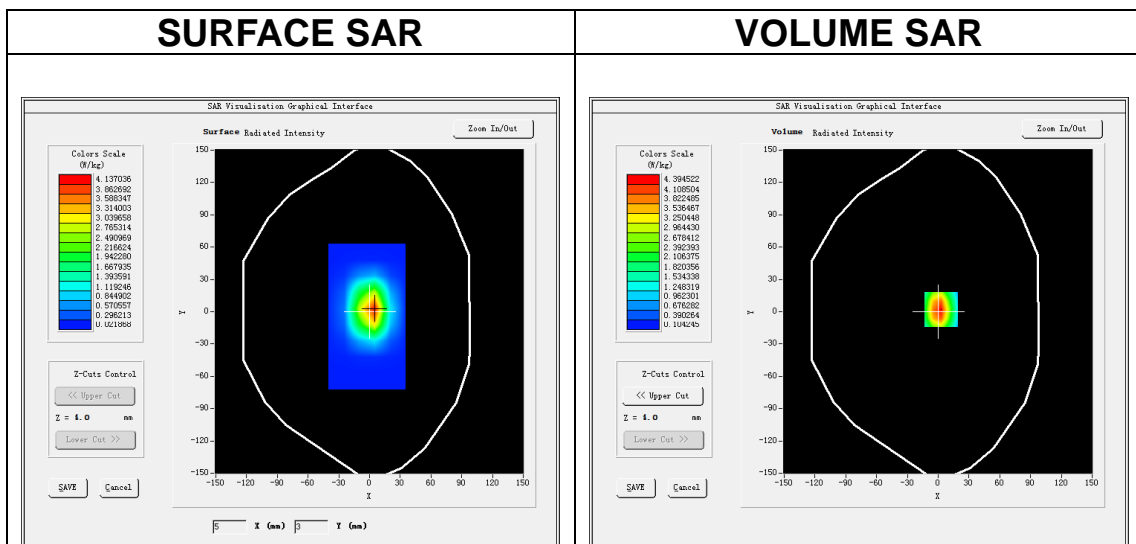
MEASUREMENT 6

A. Experimental conditions.

Area Scan	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm dz=5mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Dipole</u>
Band	<u>CW1800</u>
Channels	<u>Middle</u>
Signal	<u>CW (Crest factor: 1.0)</u>

B. SAR Measurement Results

Frequency (MHz)	1800.000000
Relative permittivity (real part)	53.801621
Relative permittivity (imaginary part)	15.243432
Conductivity (S/m)	1.521324
Variation (%)	-0.510000

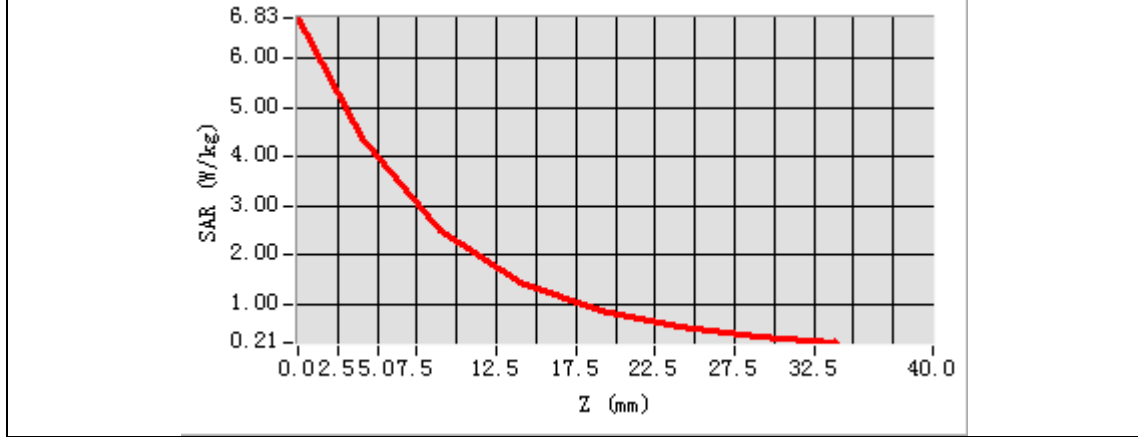


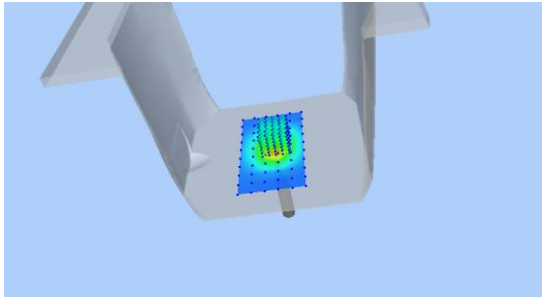
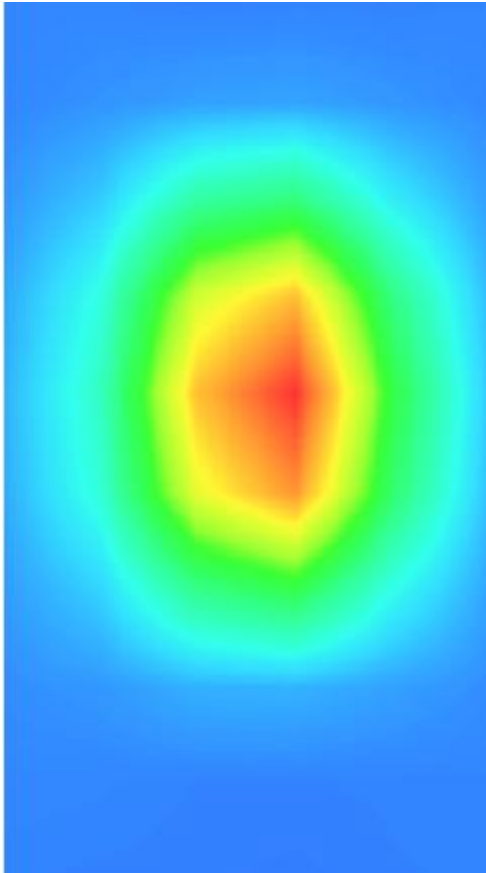
Maximum location: X=3.00, Y=2.00

SAR Peak: 6.91 W/kg

SAR 10g (W/Kg)	2.100162
SAR 1g (W/Kg)	3.914214

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	6.8311	4.3942	2.4905	1.4530	0.8750	0.5334	0.3342



3D screen shot	Hot spot position
	

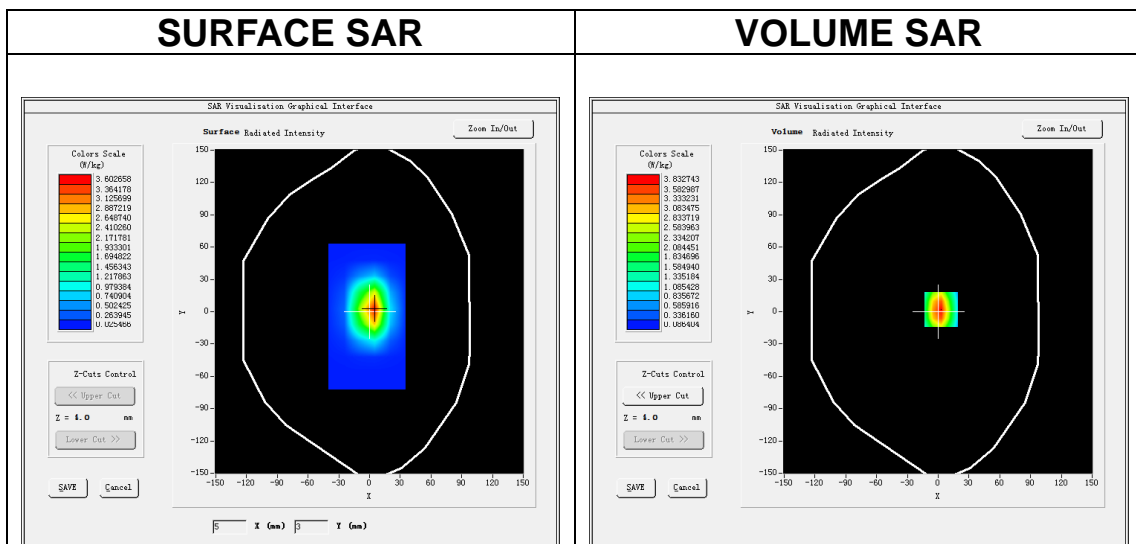
MEASUREMENT 7

A. Experimental conditions.

Area Scan	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm dz=5mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Dipole</u>
Band	<u>CW1900</u>
Channels	<u>Middle</u>
Signal	<u>CW (Crest factor: 1.0)</u>

B. SAR Measurement Results

Frequency (MHz)	1900.000000
Relative permittivity (real part)	40.012892
Relative permittivity (imaginary part)	13.340302
Conductivity (S/m)	1.412587
Variation (%)	-0.460000

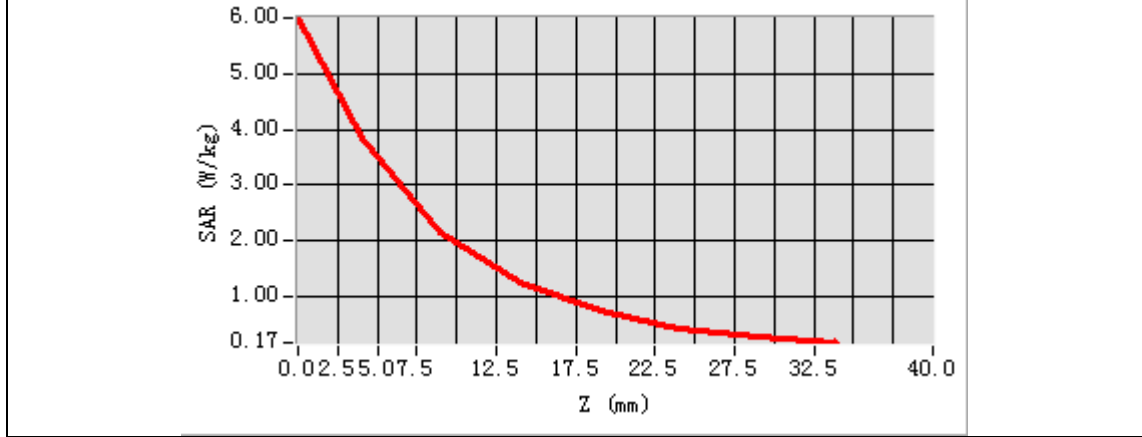


Maximum location: X=3.00, Y=2.00

SAR Peak: 6.03 W/kg

SAR 10g (W/Kg)	1.914262
SAR 1g (W/Kg)	3.705202

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	5.9952	3.8317	2.1452	1.2411	0.7291	0.4403	0.2712



3D screen shot	Hot spot position

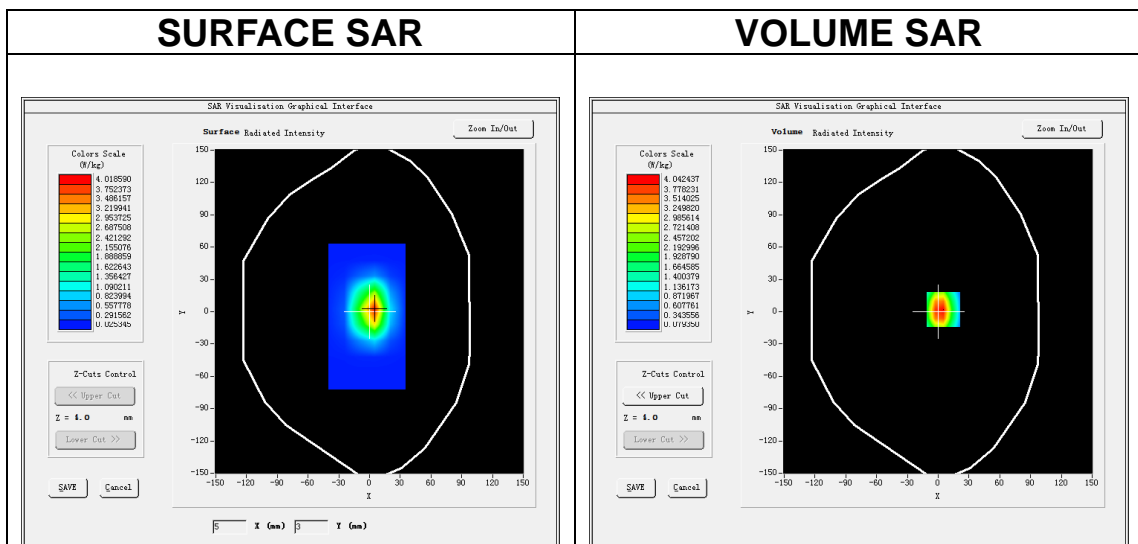
MEASUREMENT 8

A. Experimental conditions.

Area Scan	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm dz=5mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Dipole</u>
Band	<u>CW1900</u>
Channels	<u>Middle</u>
Signal	<u>CW (Crest factor: 1.0)</u>

B. SAR Measurement Results

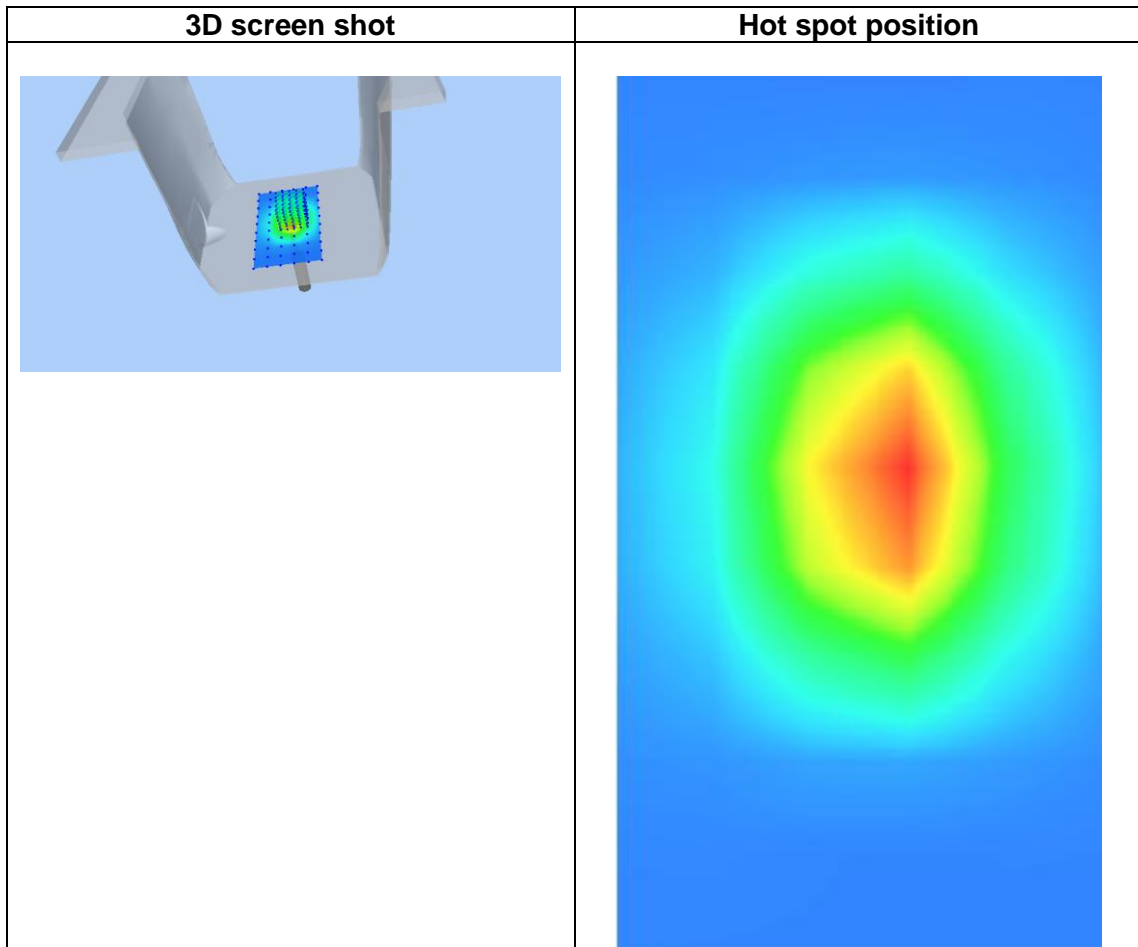
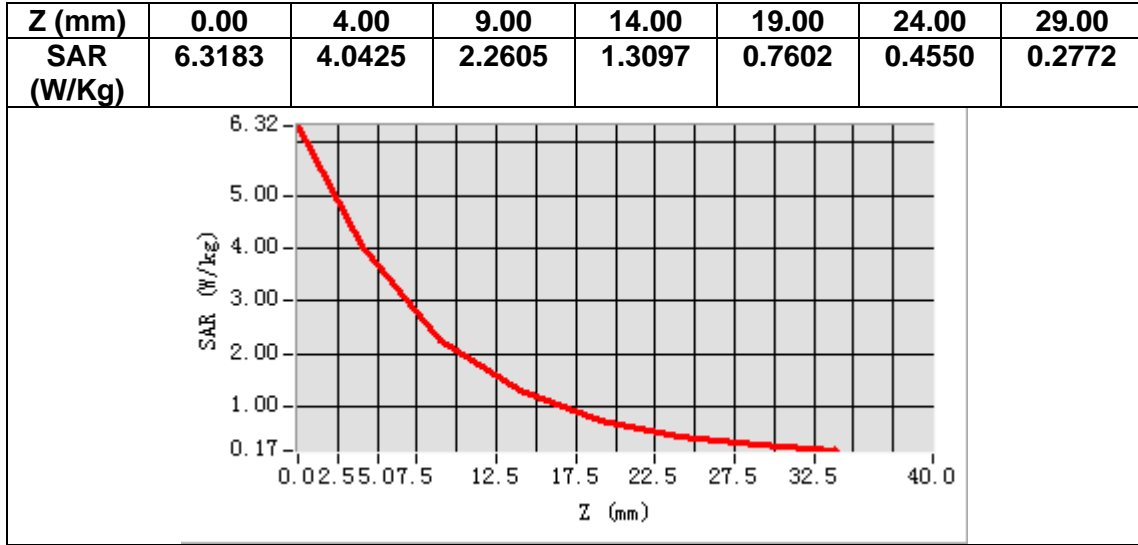
Frequency (MHz)	1900.000000
Relative permittivity (real part)	53.182829
Relative permittivity (imaginary part)	14.590301
Conductivity (S/m)	1.540587
Variation (%)	-0.150000



Maximum location: X=5.00, Y=2.00

SAR Peak: 6.70 W/kg

SAR 10g (W/Kg)	2.045028
SAR 1g (W/Kg)	4.060162



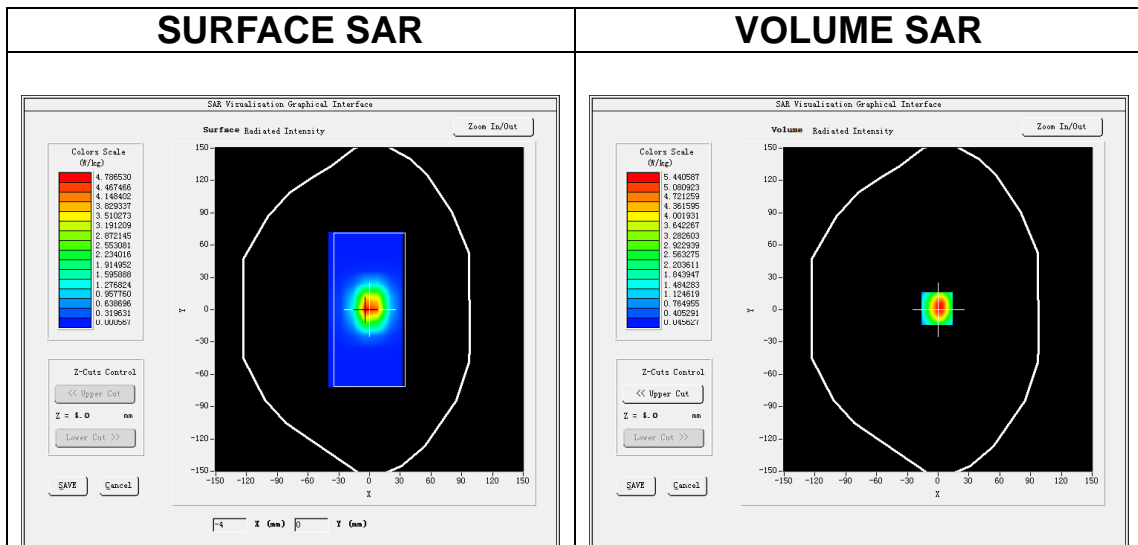
MEASUREMENT 9

A. Experimental conditions.

Area Scan	<u>dx=12mm dy=12mm, h= 5.00 mm</u>
ZoomScan	<u>7x7x7,dx=5mm dy=5mm dz=5mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Dipole</u>
Band	<u>CW2450</u>
Channels	<u>Middle</u>
Signal	<u>CW (Crest factor: 1.0)</u>

B. SAR Measurement Results

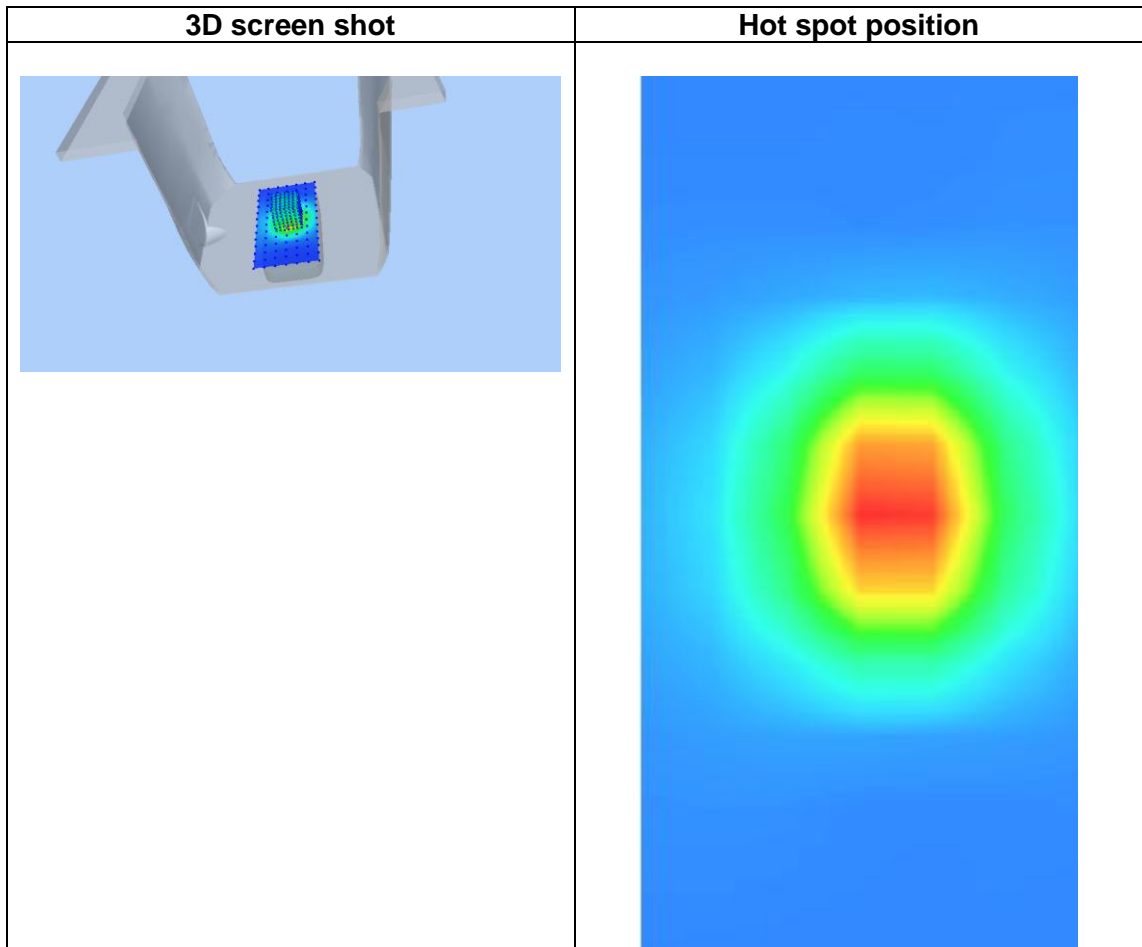
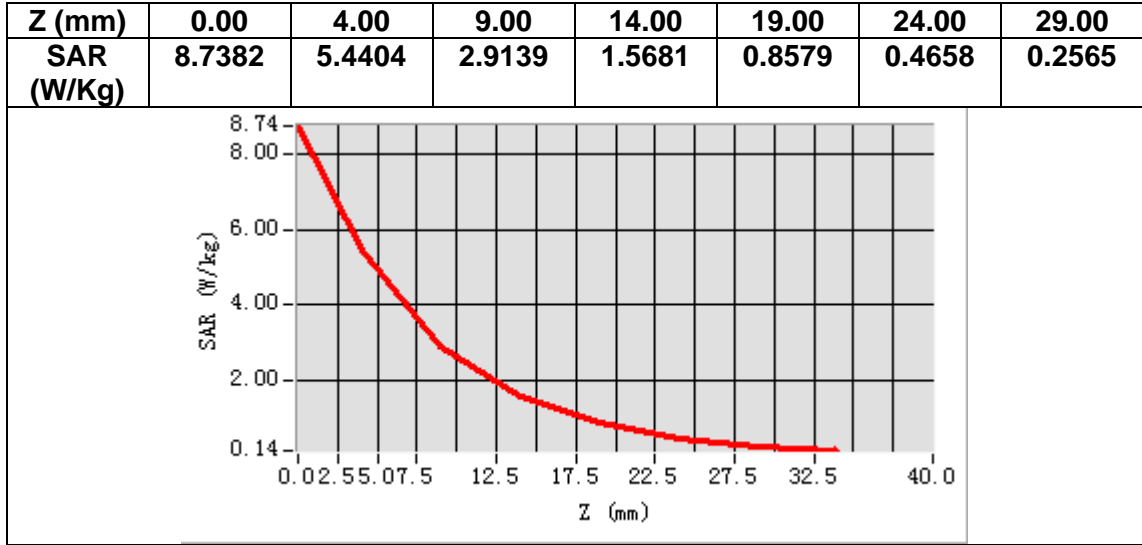
Frequency (MHz)	2450.000000
Relative permittivity (real part)	39.994057
Relative permittivity (imaginary part)	13.130233
Conductivity (S/m)	1.792738
Variation (%)	-0.220000



Maximum location: X=-1.00, Y=1.00

SAR Peak: 8.94 W/kg

SAR 10g (W/Kg)	2.478381
SAR 1g (W/Kg)	5.156682



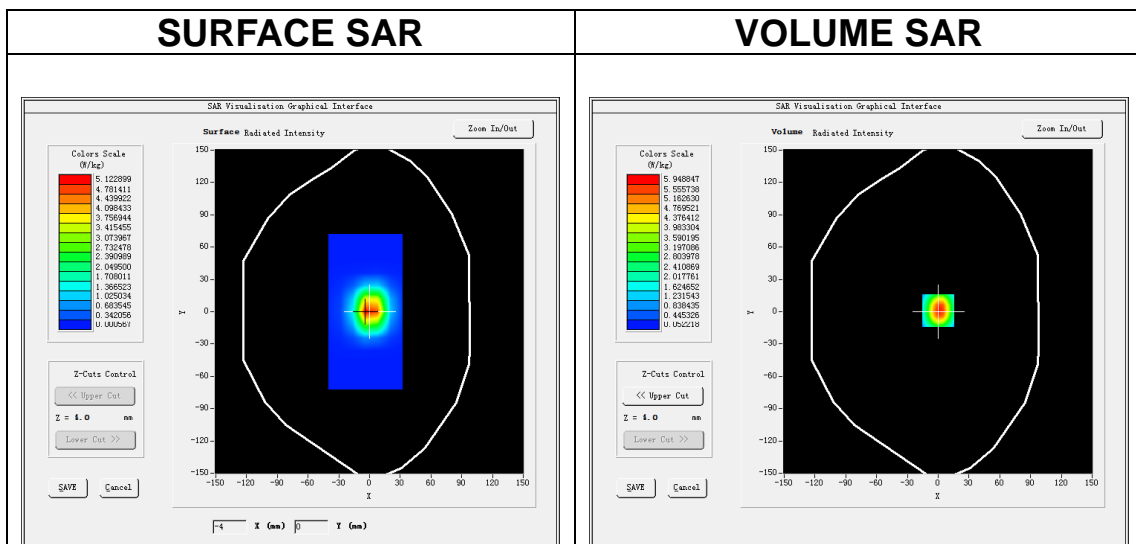
MEASUREMENT 10

A. Experimental conditions.

Area Scan	<u>dx=12mm dy=12mm, h= 5.00 mm</u>
ZoomScan	<u>7x7x7,dx=5mm dy=5mm dz=5mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Dipole</u>
Band	<u>CW2450</u>
Channels	<u>Middle</u>
Signal	<u>CW (Crest factor: 1.0)</u>

B. SAR Measurement Results

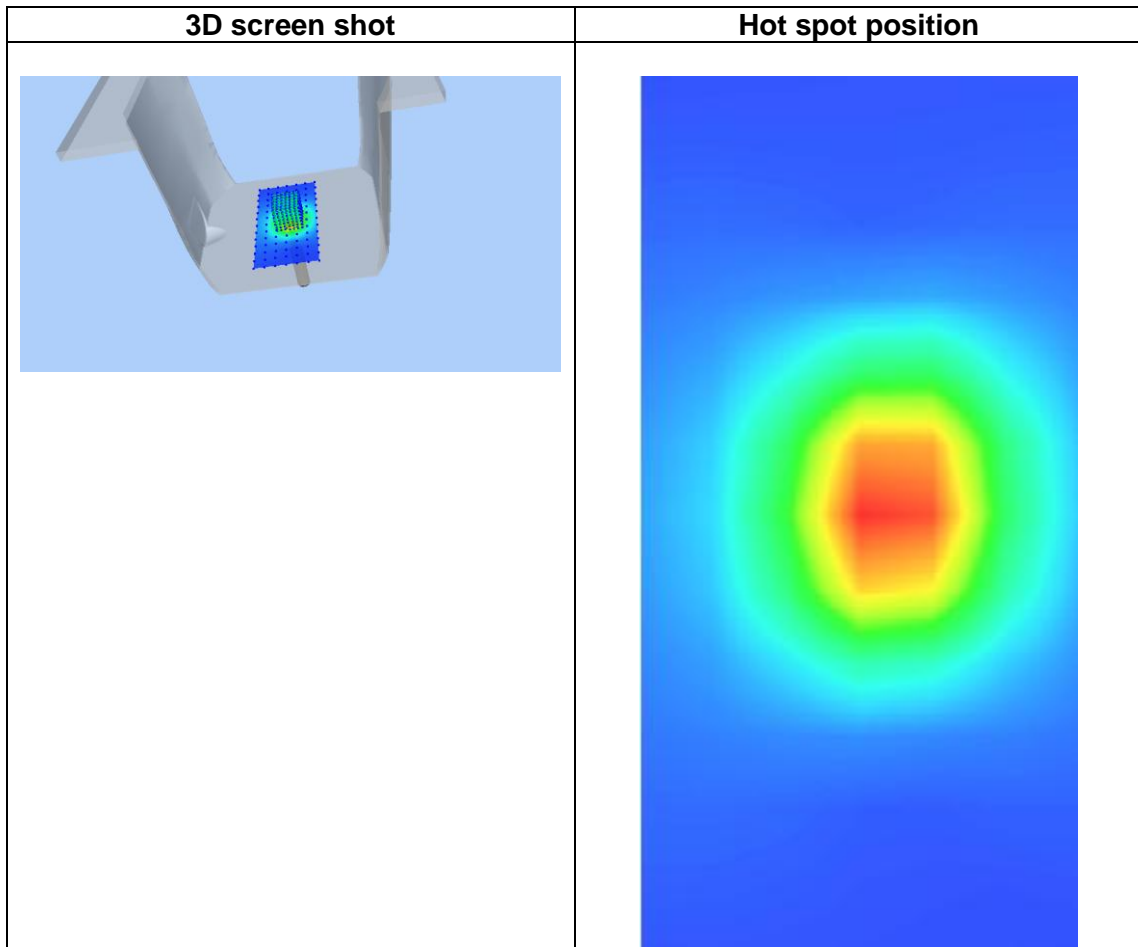
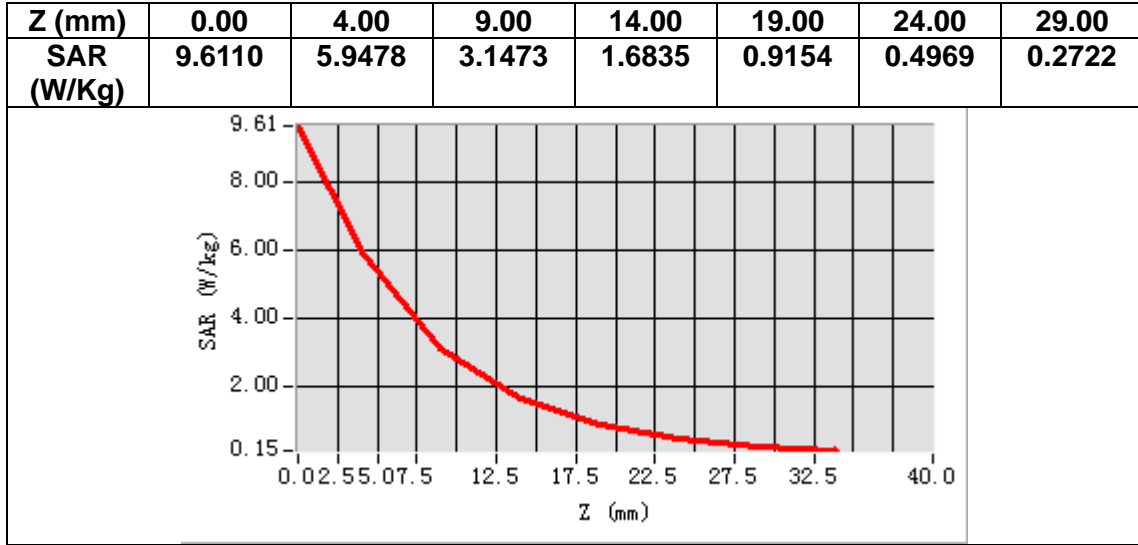
Frequency (MHz)	2450.000000
Relative permittivity (real part)	52.704027
Relative permittivity (imaginary part)	14.490233
Conductivity (S/m)	1.972738
Variation (%)	-0.200000



Maximum location: X=0.00, Y=1.00

SAR Peak: 9.64 W/kg

SAR 10g (W/Kg)	2.416498
SAR 1g (W/Kg)	5.027090



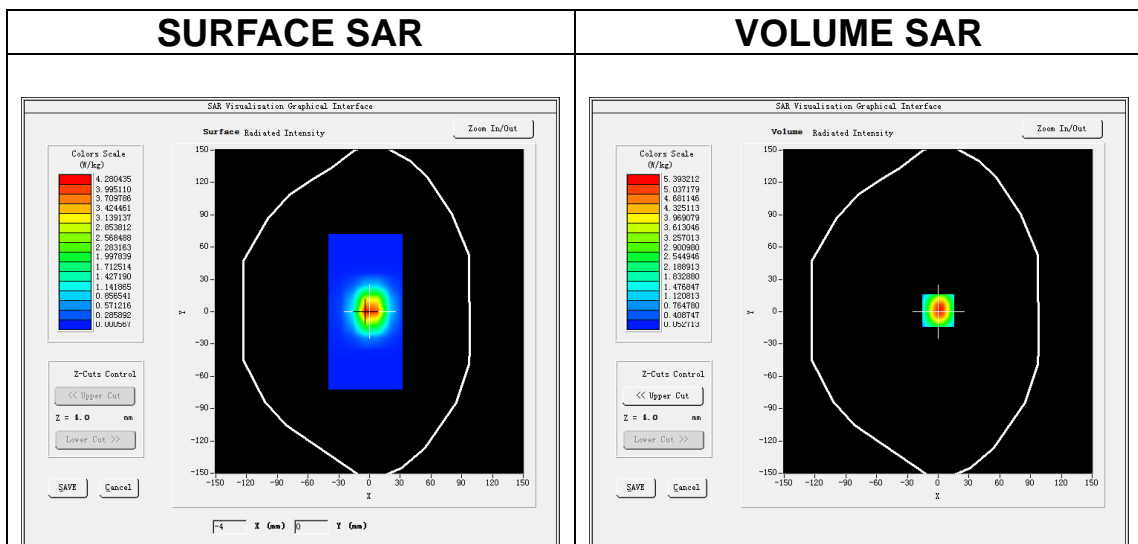
MEASUREMENT 11

A. Experimental conditions.

Area Scan	<u>dx=12mm dy=12mm, h= 5.00 mm</u>
ZoomScan	<u>7x7x7,dx=5mm dy=5mm dz=5mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Dipole</u>
Band	<u>CW2600</u>
Channels	<u>Middle</u>
Signal	<u>CW (Crest factor: 1.0)</u>

B. SAR Measurement Results

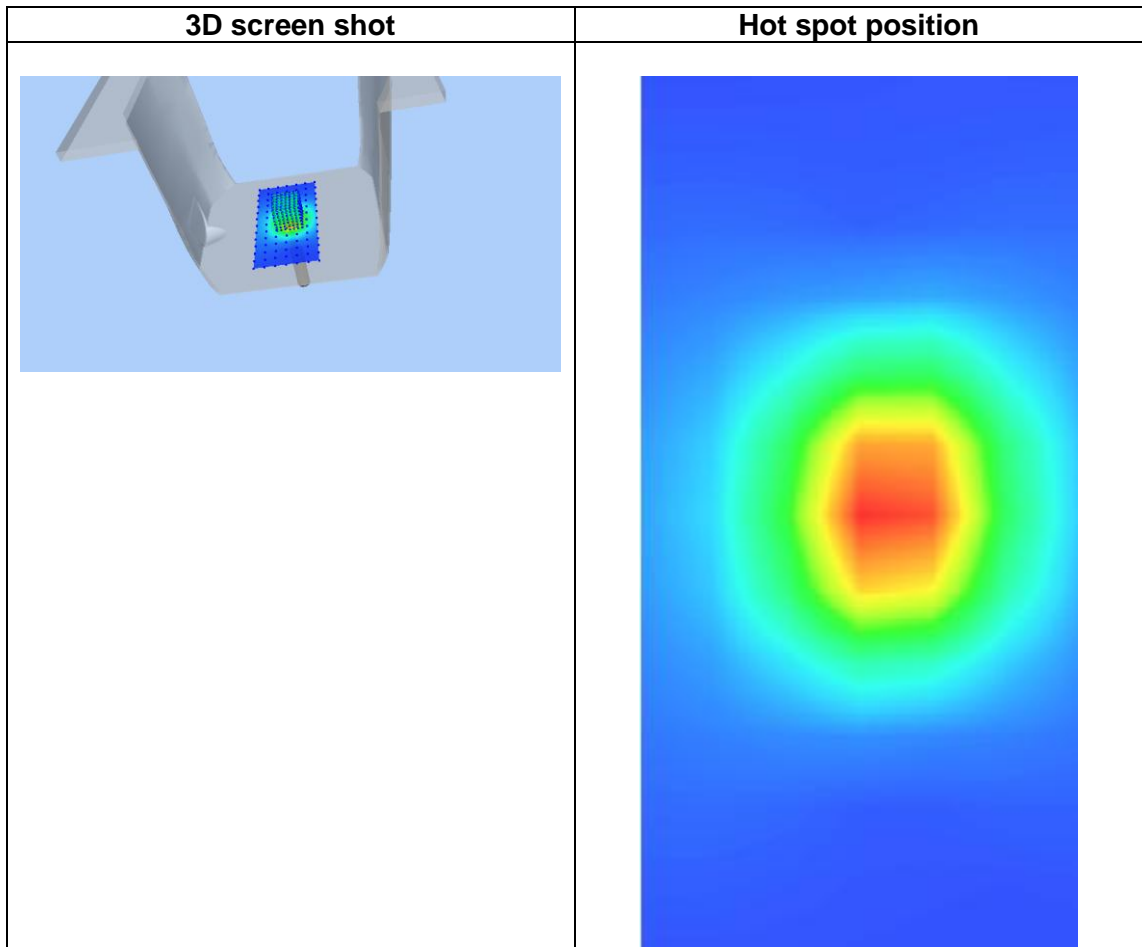
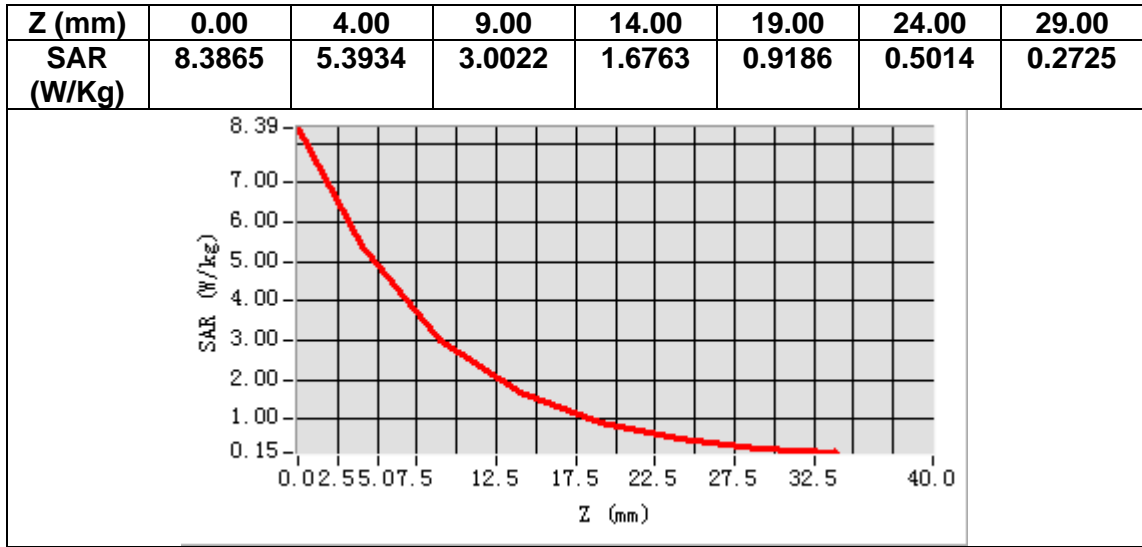
Frequency (MHz)	2600.000000
Relative permittivity (real part)	39.024017
Relative permittivity (imaginary part)	13.590833
Conductivity (S/m)	1.962738
Variation (%)	0.700000



Maximum location: X=0.00, Y=1.00

SAR Peak: 8.52 W/kg

SAR 10g (W/Kg)	2.573473
SAR 1g (W/Kg)	5.013435



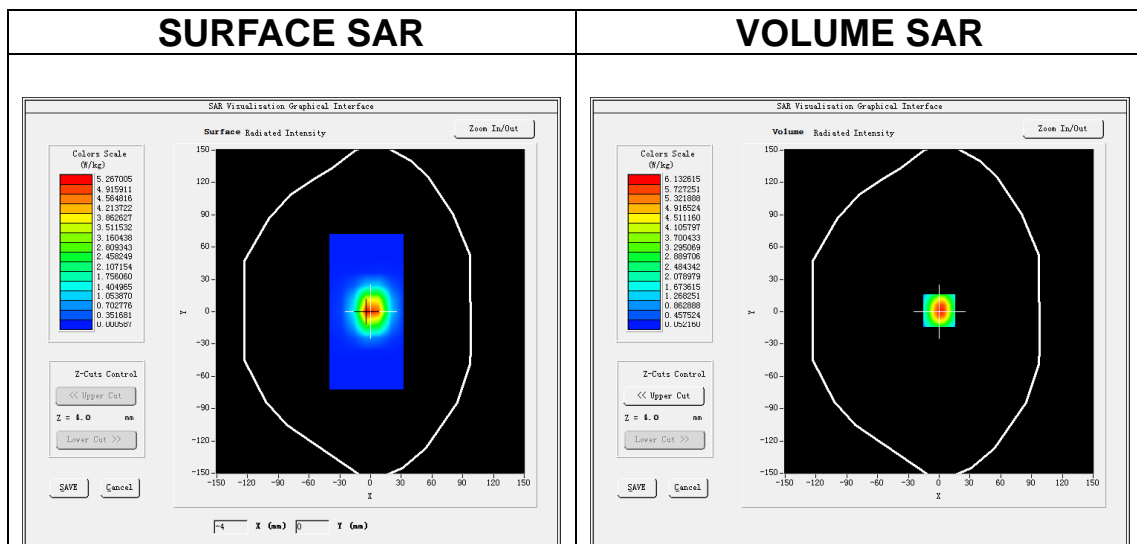
MEASUREMENT 12

A. Experimental conditions.

Area Scan	<u>dx=12mm dy=12mm, h= 5.00 mm</u>
ZoomScan	<u>7x7x7,dx=5mm dy=5mm dz=5mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Dipole</u>
Band	<u>CW2600</u>
Channels	<u>Middle</u>
Signal	<u>CW (Crest factor: 1.0)</u>

B. SAR Measurement Results

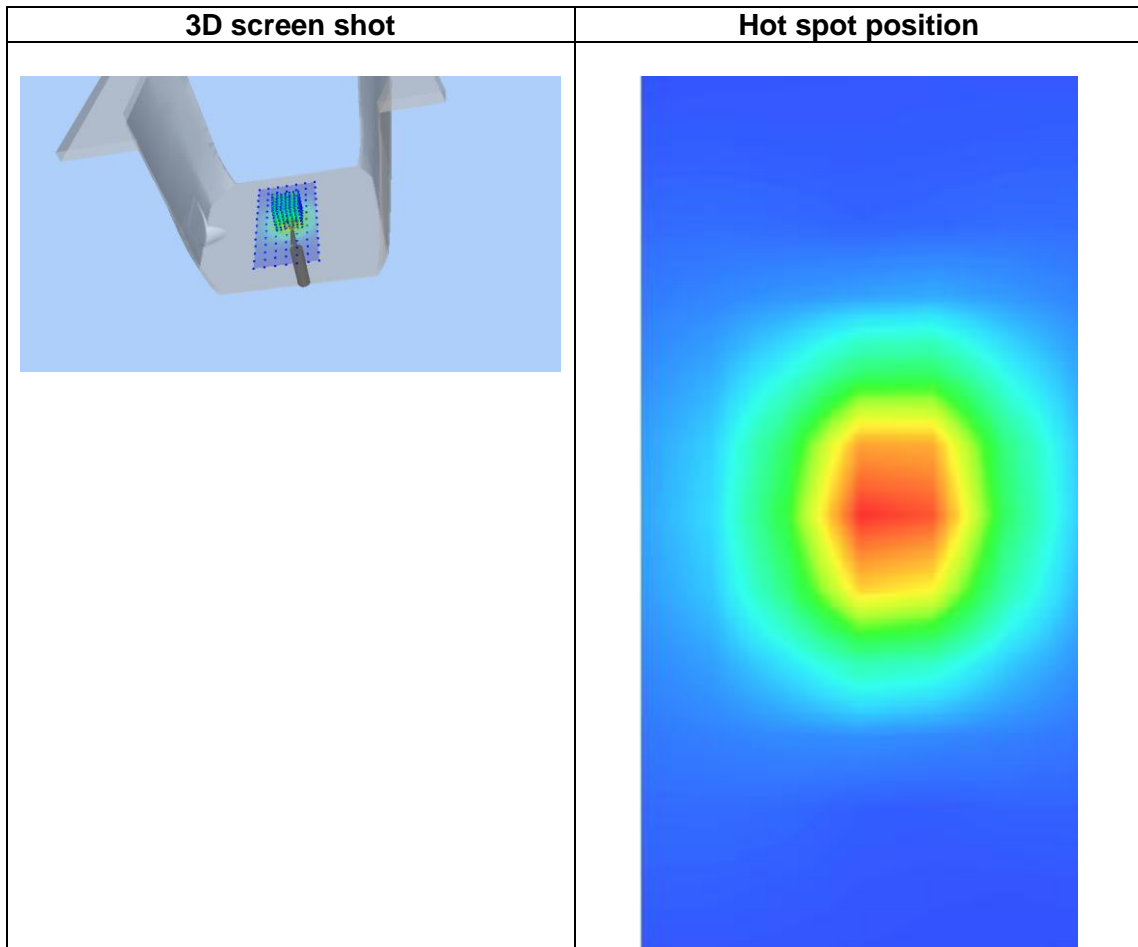
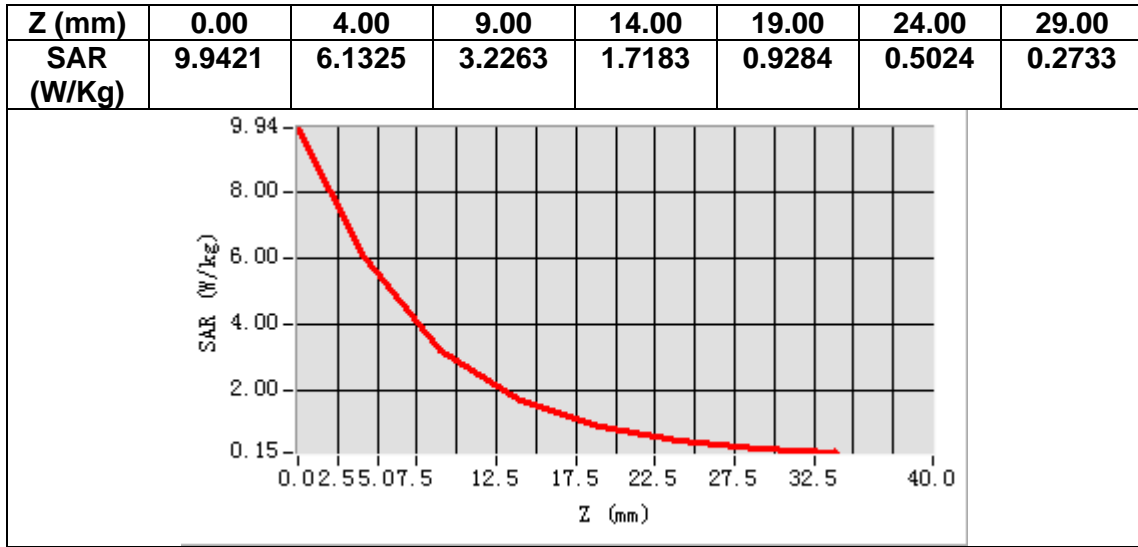
Frequency (MHz)	2600.000000
Relative permittivity (real part)	53.084067
Relative permittivity (imaginary part)	14.970233
Conductivity (S/m)	2.163730
Variation (%)	0.270000



Maximum location: X=0.00, Y=1.00

SAR Peak: 9.97 W/kg

SAR 10g (W/Kg)	2.412422
SAR 1g (W/Kg)	5.541430



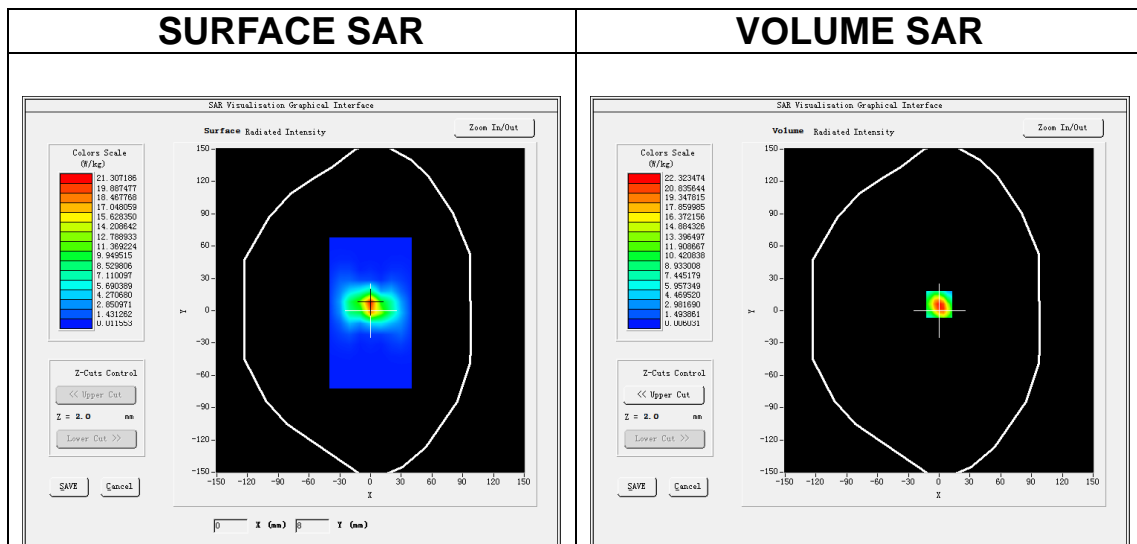
MEASUREMENT 13

A. Experimental conditions.

Area Scan	<u>dx=10mm dy=10mm, h= 2.00 mm</u>
ZoomScan	<u>7x7x12,dx=4mm dy=4mm dz=2mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Dipole</u>
Band	<u>CW5200</u>
Channels	<u>Middle</u>
Signal	<u>CW (Crest factor: 1.0)</u>

B. SAR Measurement Results

Frequency (MHz)	5200.000000
Relative permittivity (real part)	35.971227
Relative permittivity (imaginary part)	15.980219
Conductivity (S/m)	4.621470
Variation (%)	-0.770000

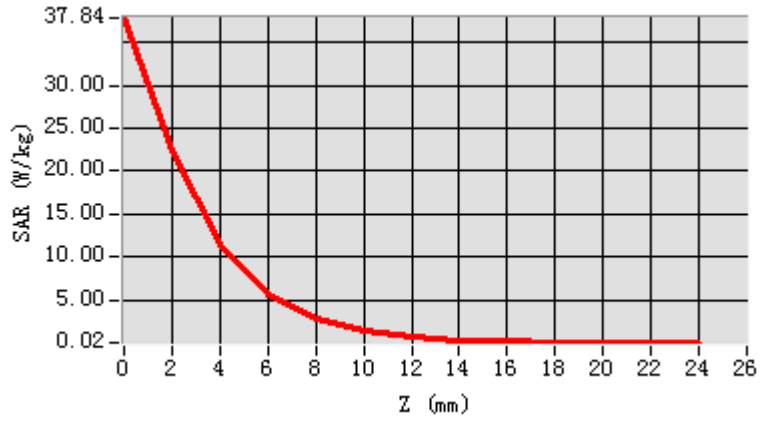


Maximum location: X=0.00, Y=6.00

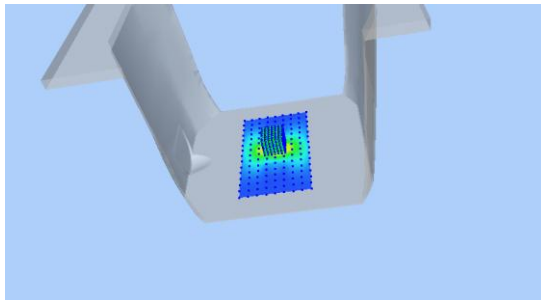
SAR Peak: 40.06 W/kg

SAR 10g (W/Kg)	5.423511
SAR 1g (W/Kg)	15.233527

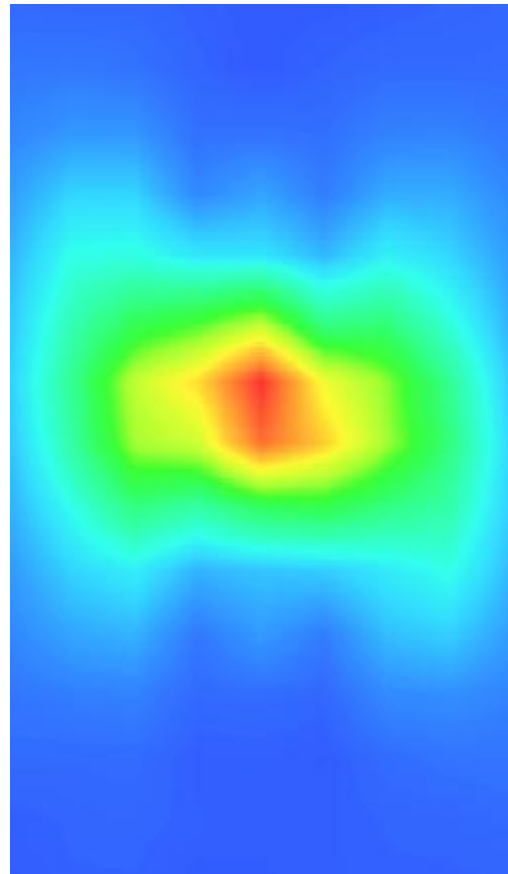
Z (m)	0.00	2.00	4.00	6.00	8.00	10.0	12.0	14.0	16.0	18.0	20.0	22.0
SAR (W/Kg)	37.8365	22.3232	11.3793	5.6683	2.8232	1.4096	0.7129	0.3648	0.1856	0.1003	0.0541	0.0320



3D screen shot



Hot spot position



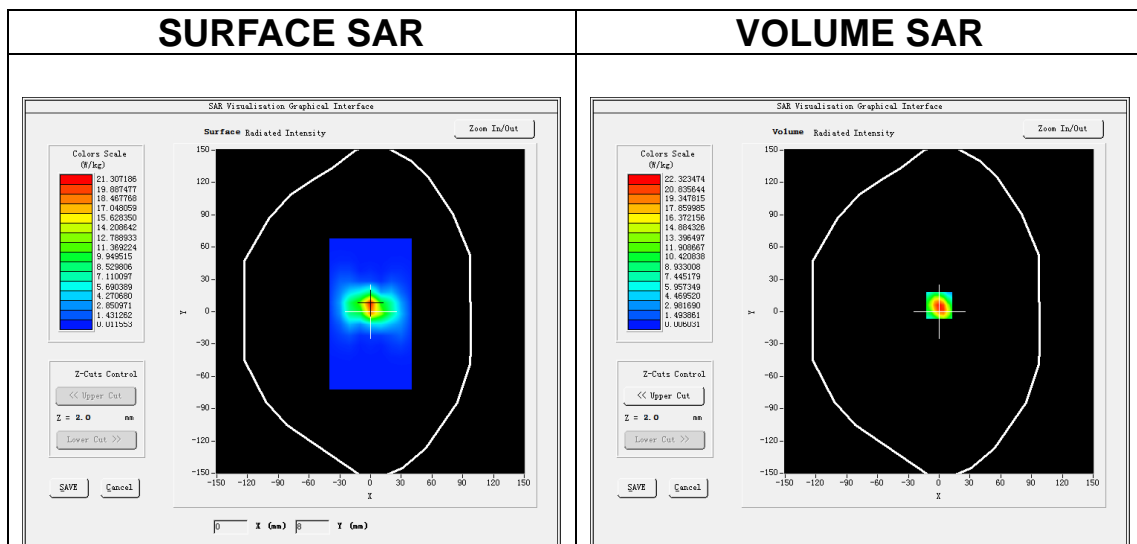
MEASUREMENT 14

A. Experimental conditions.

Area Scan	<u>dx=10mm dy=10mm, h= 2.00 mm</u>
ZoomScan	<u>7x7x12,dx=4mm dy=4mm dz=2mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Dipole</u>
Band	<u>CW5200</u>
Channels	<u>Middle</u>
Signal	<u>CW (Crest factor: 1.0)</u>

B. SAR Measurement Results

Frequency (MHz)	5200.000000
Relative permittivity (real part)	49.915247
Relative permittivity (imaginary part)	18.231720
Conductivity (S/m)	5.274270
Variation (%)	-0.880000

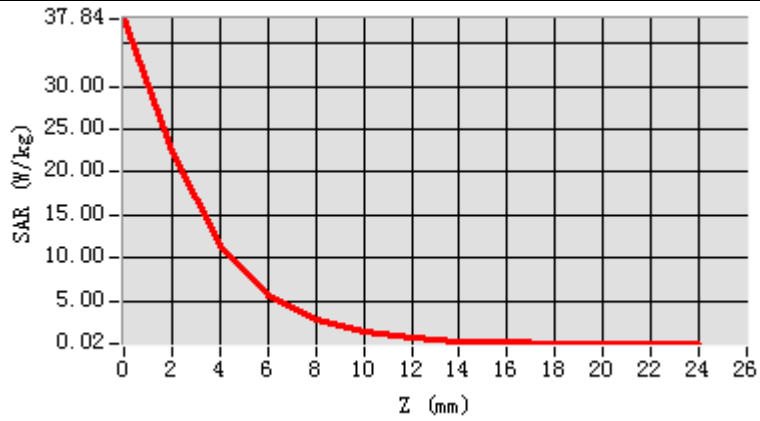


Maximum location: X=0.00, Y=6.00

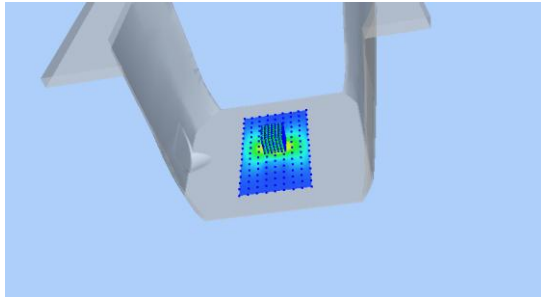
SAR Peak: 40.06 W/kg

SAR 10g (W/Kg)	5.812868
SAR 1g (W/Kg)	15.912320

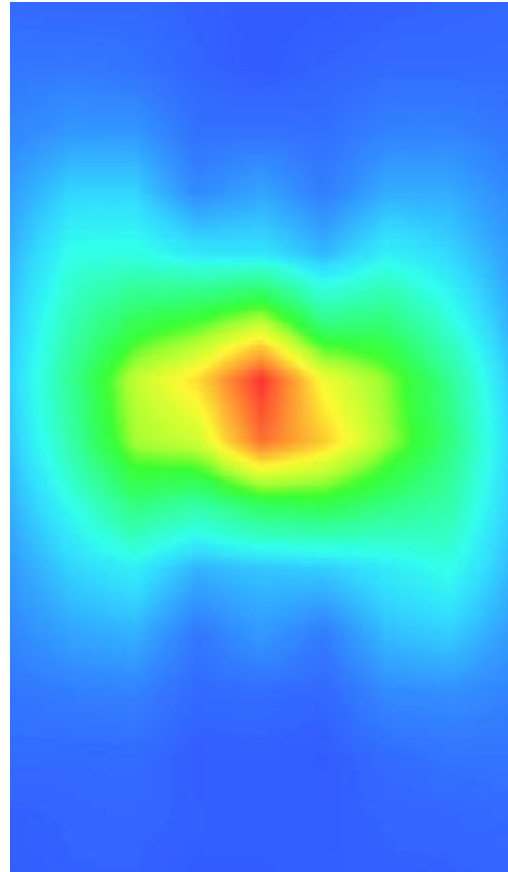
Z (m m)	0.00	2.00	4.00	6.00	8.00	10.0 0	12.0 0	14.0 0	16.0 0	18.0 0	20.0 0	22.0 0
SA R (W/ Kg)	37.8 359	22.3 235	11.3 794	5.66 83	2.82 31	1.40 96	0.71 33	0.36 50	0.18 59	0.10 11	0.05 42	0.03 17



3D screen shot



Hot spot position



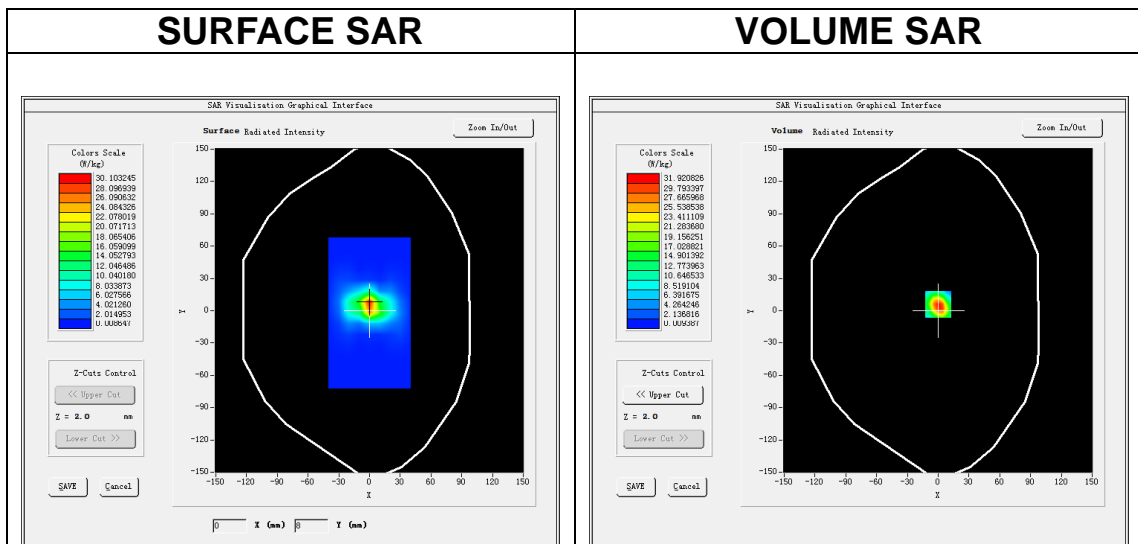
MEASUREMENT 15

A. Experimental conditions.

Area Scan	<u>dx=10mm dy=10mm, h= 2.00 mm</u>
ZoomScan	<u>7x7x12,dx=4mm dy=4mm dz=2mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Dipole</u>
Band	<u>CW5800</u>
Channels	<u>Middle</u>
Signal	<u>CW (Crest factor: 1.0)</u>

B. SAR Measurement Results

Frequency (MHz)	5800.000000
Relative permittivity (real part)	34.840237
Relative permittivity (imaginary part)	16.110702
Conductivity (S/m)	5.194270
Variation (%)	-0.500000

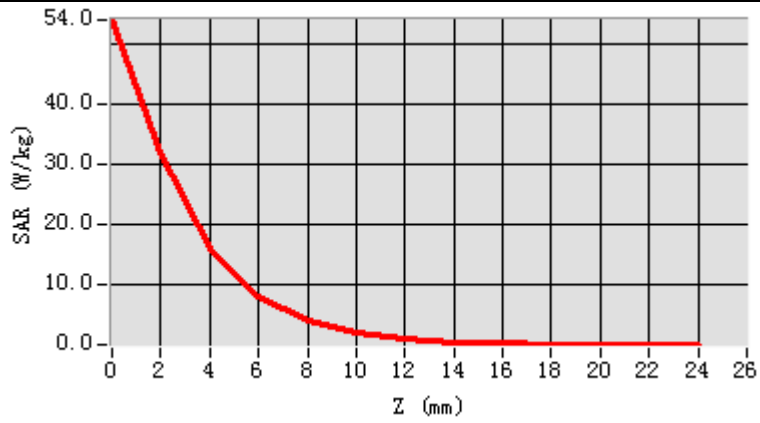


Maximum location: X=0.00, Y=6.00

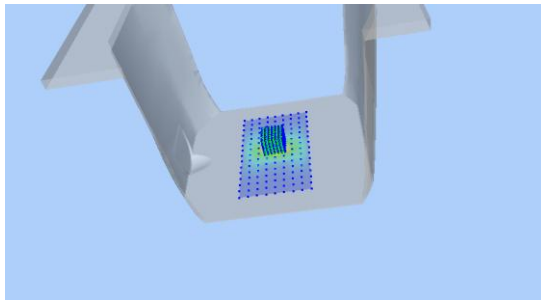
SAR Peak: 57.37 W/kg

SAR 10g (W/Kg)	6.132474
SAR 1g (W/Kg)	17.936772

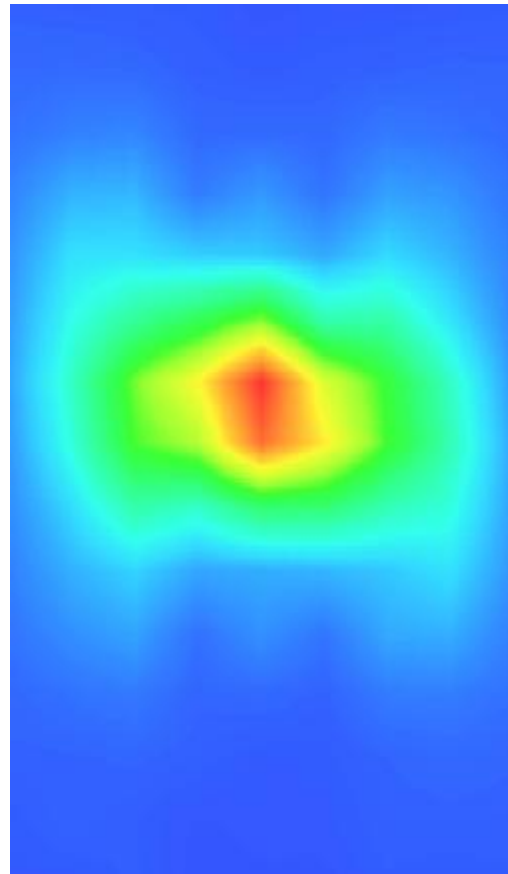
Z (m)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	54.0	31.9	16.1	8.17	4.08	2.05	1.03	0.51	0.27	0.15	0.07	0.04
	379	209	705	18	59	46	42	68	65	61	90	57



3D screen shot



Hot spot position



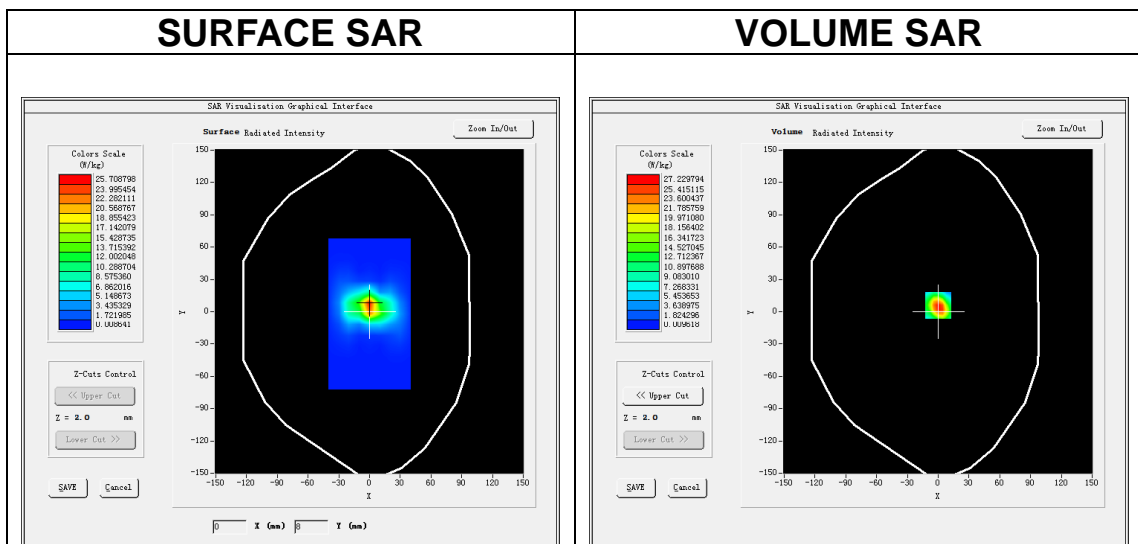
MEASUREMENT 16

A. Experimental conditions.

Area Scan	<u>dx=10mm dy=10mm, h= 2.00 mm</u>
ZoomScan	<u>7x7x12,dx=4mm dy=4mm dz=2mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Dipole</u>
Band	<u>CW5800</u>
Channels	<u>Middle</u>
Signal	<u>CW (Crest factor: 1.0)</u>

B. SAR Measurement Results

Frequency (MHz)	5800.000000
Relative permittivity (real part)	48.592237
Relative permittivity (imaginary part)	18.721700
Conductivity (S/m)	6.034251
Variation (%)	-0.590000

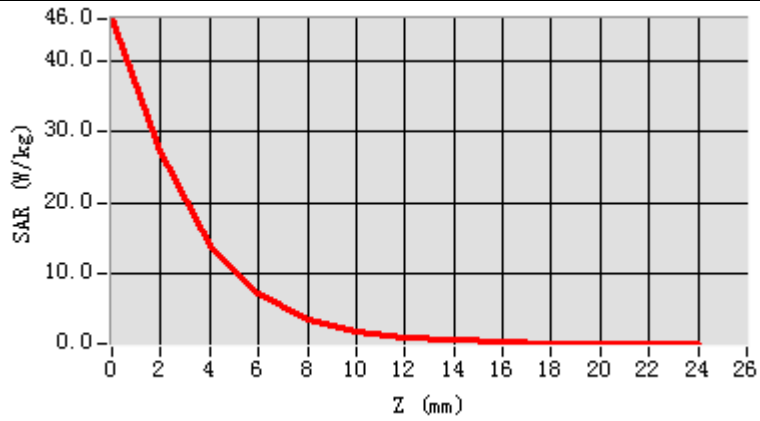


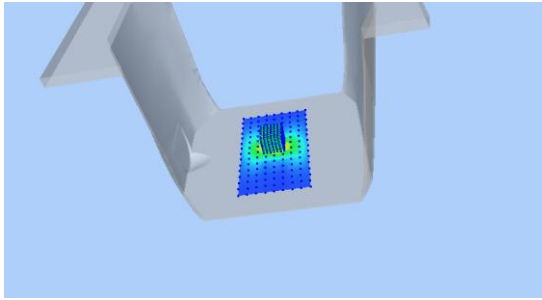
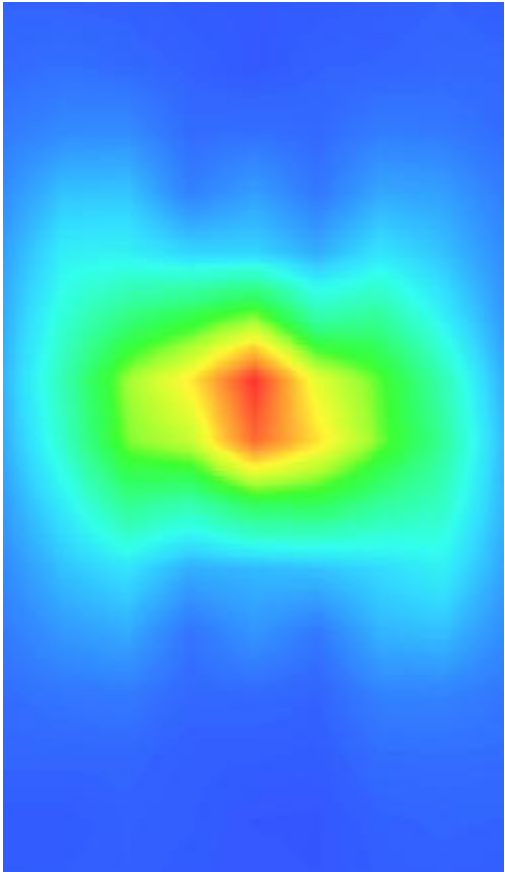
Maximum location: X=0.00, Y=6.00

SAR Peak: 48.83 W/kg

SAR 10g (W/Kg)	5.817260
SAR 1g (W/Kg)	16.813721

Z (m m)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	45.9893	27.2298	13.8530	7.0292	3.5634	1.7859	0.9065	0.4570	0.2466	0.1326	0.0693	0.0501



3D screen shot	Hot spot position
	

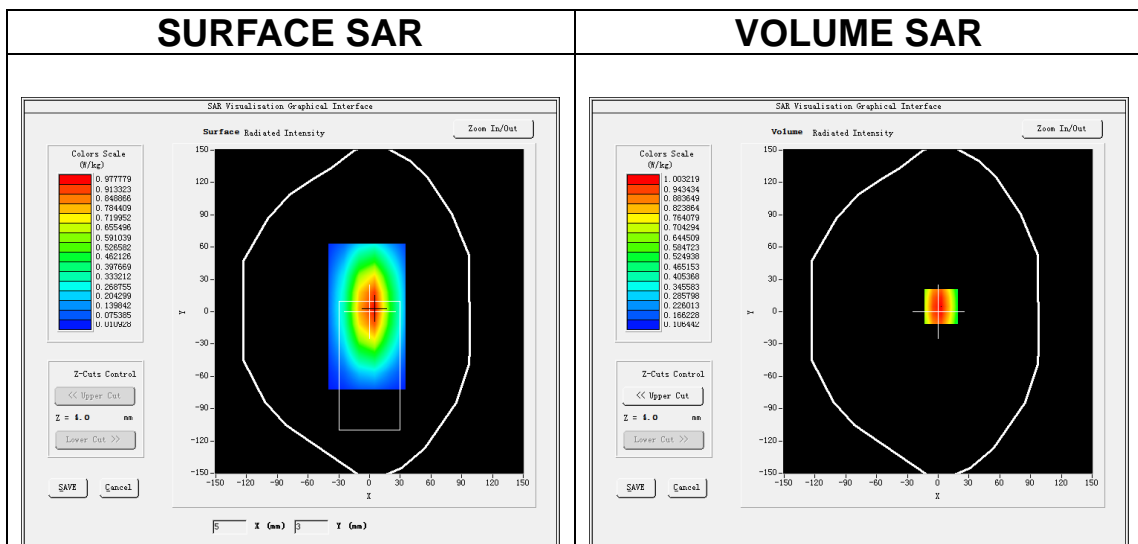
MEASUREMENT 17

A. Experimental conditions.

Area Scan	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm dz=5mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Dipole</u>
Band	<u>CW835</u>
Channels	<u>Middle</u>
Signal	<u>CW (Crest factor: 1.0)</u>

B. SAR Measurement Results

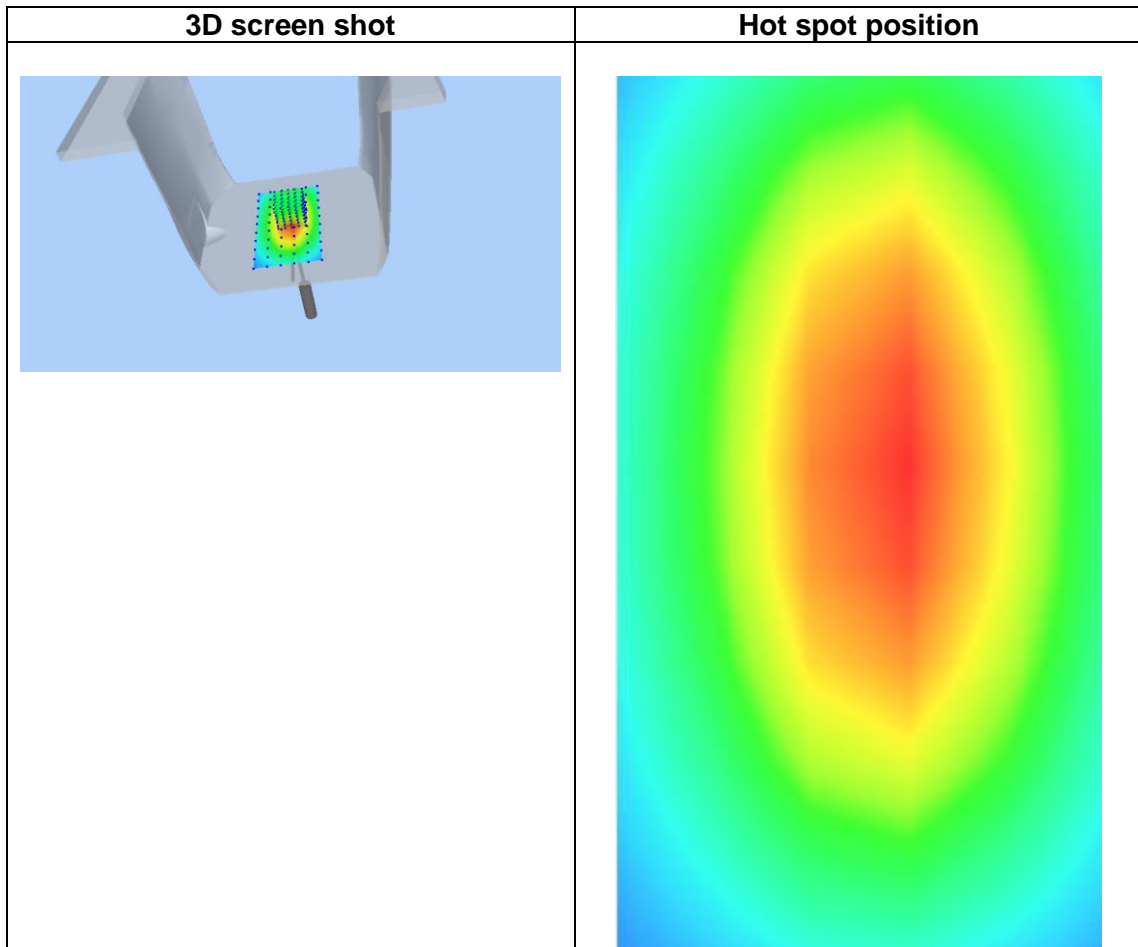
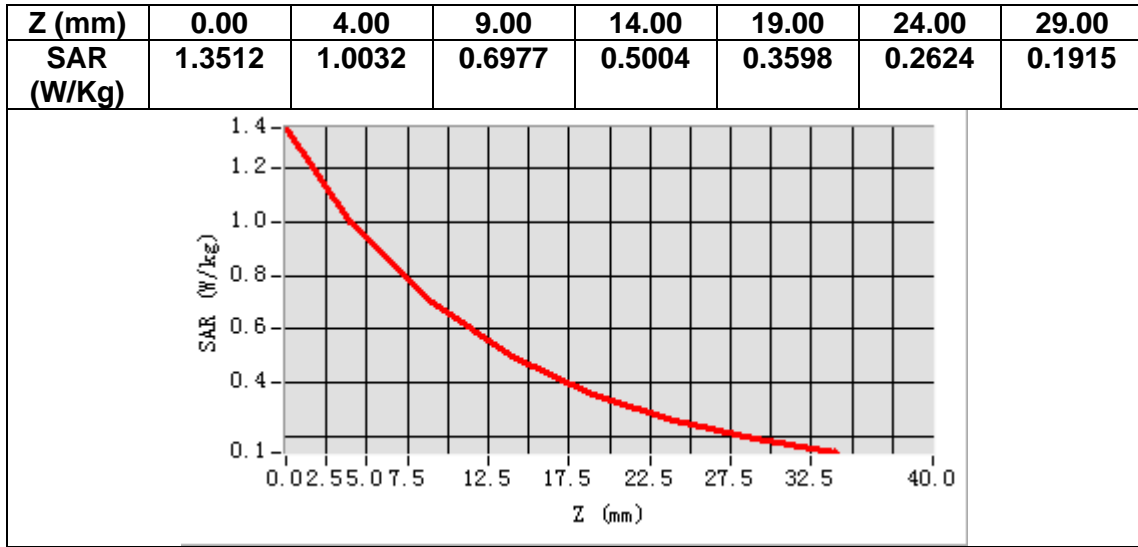
Frequency (MHz)	835.000000
Relative permittivity (real part)	41.420000
Relative permittivity (imaginary part)	19.690000
Conductivity (S/m)	0.912944
Variation (%)	0.170000



Maximum location: X=3.00, Y=5.00

SAR Peak: 1.36 W/kg

SAR 10g (W/Kg)	0.623538
SAR 1g (W/Kg)	0.969645



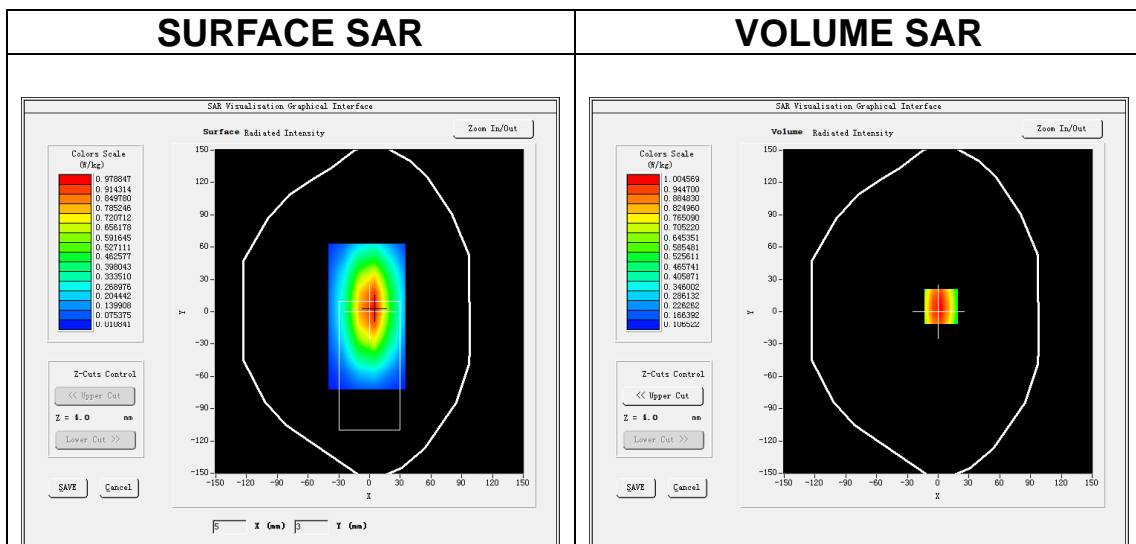
MEASUREMENT 18

A. Experimental conditions.

Area Scan	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm dz=5mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Dipole</u>
Band	<u>CW835</u>
Channels	<u>Middle</u>
Signal	<u>CW (Crest factor: 1.0)</u>

B. SAR Measurement Results

Frequency (MHz)	835.000000
Relative permittivity (real part)	54.820000
Relative permittivity (imaginary part)	21.580000
Conductivity (S/m)	1.000944
Variation (%)	0.080000

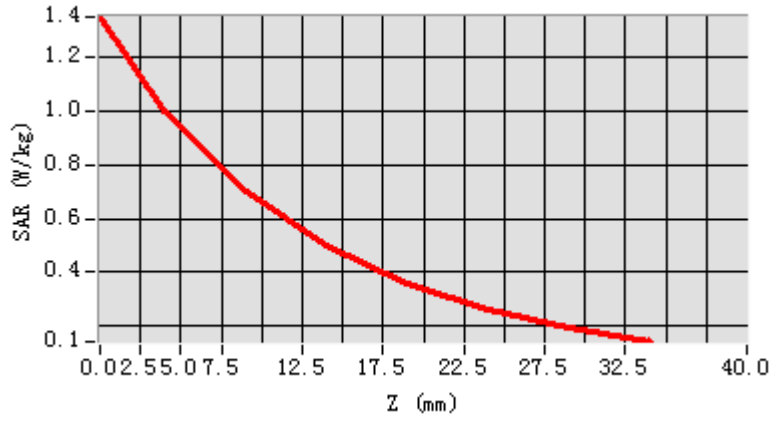


Maximum location: X=3.00, Y=5.00

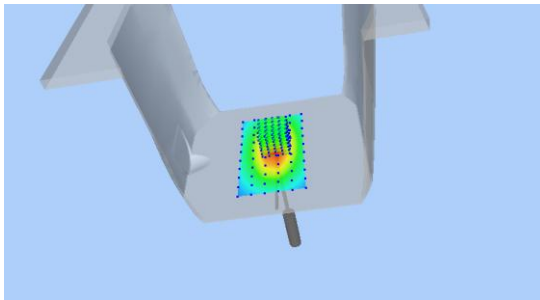
SAR Peak: 1.36 W/kg

SAR 10g (W/Kg)	0.644534
SAR 1g (W/Kg)	0.970746

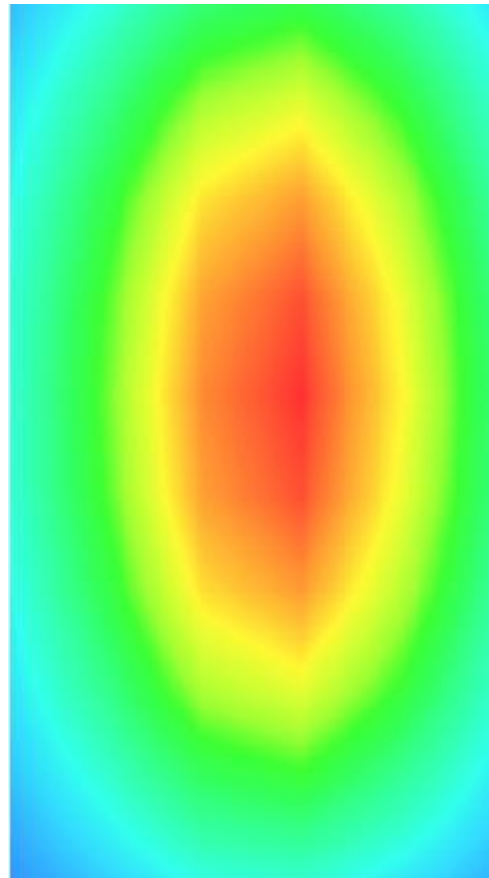
Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.3534	1.0046	0.6986	0.5009	0.3603	0.2625	0.1916



3D screen shot



Hot spot position



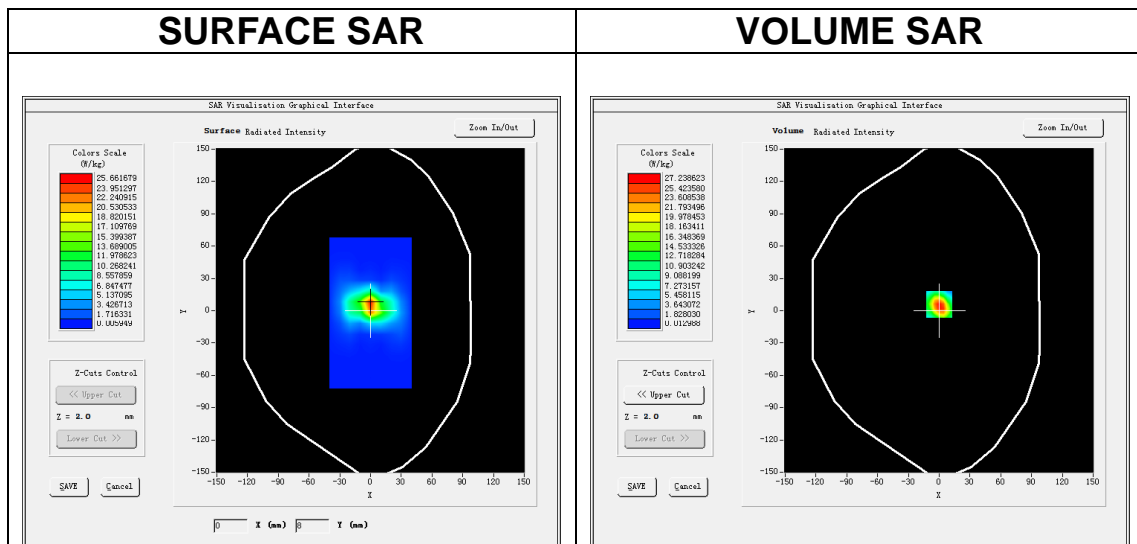
MEASUREMENT 19

A. Experimental conditions.

Area Scan	<u>dx=10mm dy=10mm, h= 2.00 mm</u>
ZoomScan	<u>7x7x12,dx=4mm dy=4mm dz=2mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Dipole</u>
Band	<u>CW5200</u>
Channels	<u>Middle</u>
Signal	<u>CW (Crest factor: 1.0)</u>

B. SAR Measurement Results

Frequency (MHz)	5200.000000
Relative permittivity (real part)	35.903237
Relative permittivity (imaginary part)	15.901710
Conductivity (S/m)	4.594271
Variation (%)	-1.140000

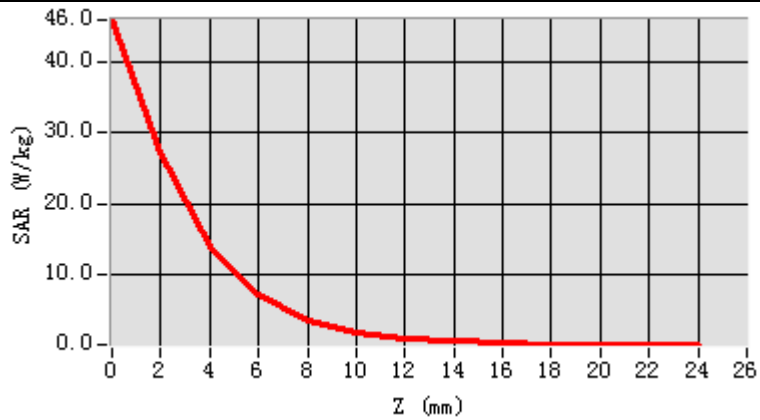


Maximum location: X=0.00, Y=6.00

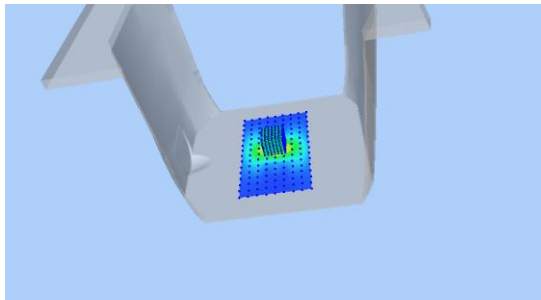
SAR Peak: 48.81 W/kg

SAR 10g (W/Kg)	5.359874
SAR 1g (W/Kg)	15.390462

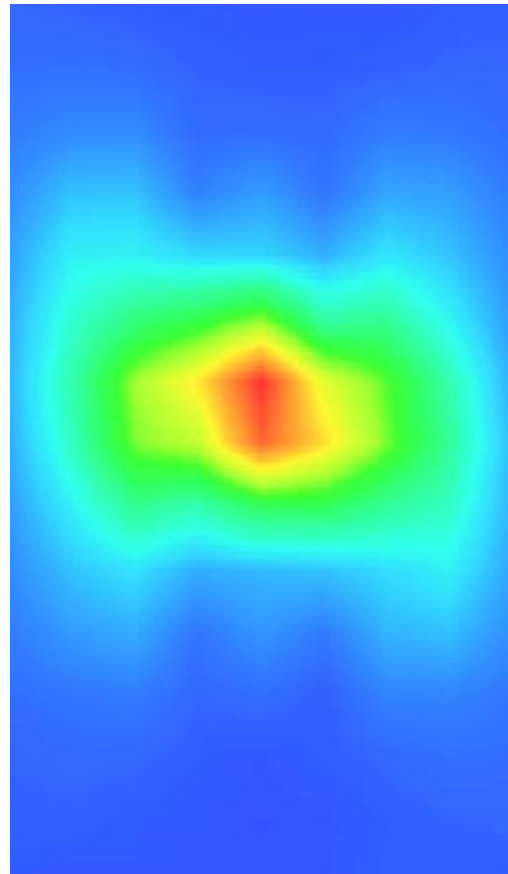
Z (m)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	46.0273	27.2386	13.8769	7.0360	3.5319	1.7751	0.9025	0.4624	0.2406	0.1313	0.0581	0.0449



3D screen shot



Hot spot position



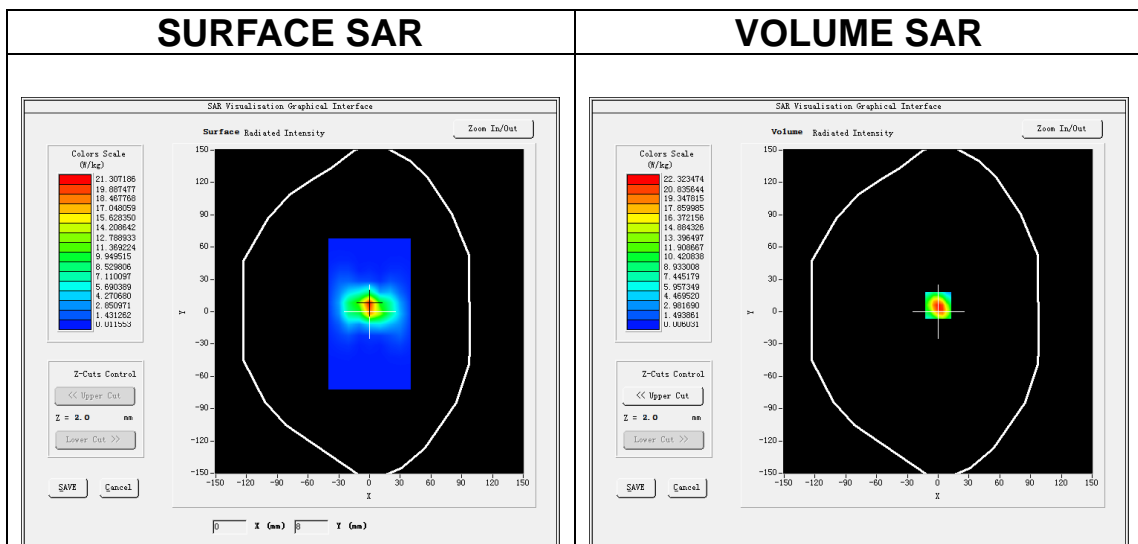
MEASUREMENT 20

A. Experimental conditions.

Area Scan	<u>dx=10mm dy=10mm, h= 2.00 mm</u>
ZoomScan	<u>7x7x12,dx=4mm dy=4mm dz=2mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Dipole</u>
Band	<u>CW5200</u>
Channels	<u>Middle</u>
Signal	<u>CW (Crest factor: 1.0)</u>

B. SAR Measurement Results

Frequency (MHz)	5200.000000
Relative permittivity (real part)	49.915247
Relative permittivity (imaginary part)	18.231720
Conductivity (S/m)	5.274270
Variation (%)	-0.880000

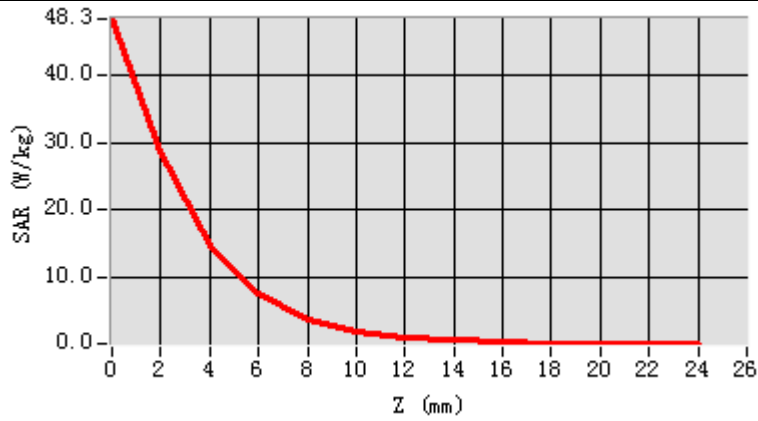


Maximum location: X=0.00, Y=6.00

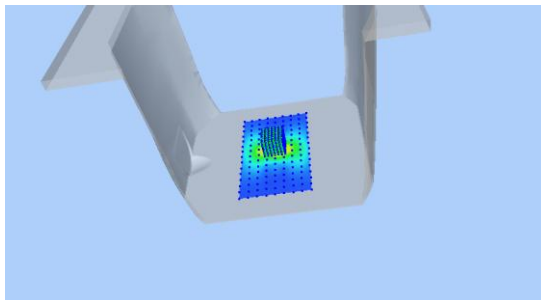
SAR Peak: 40.06 W/kg

SAR 10g (W/Kg)	5.712868
SAR 1g (W/Kg)	15.912320

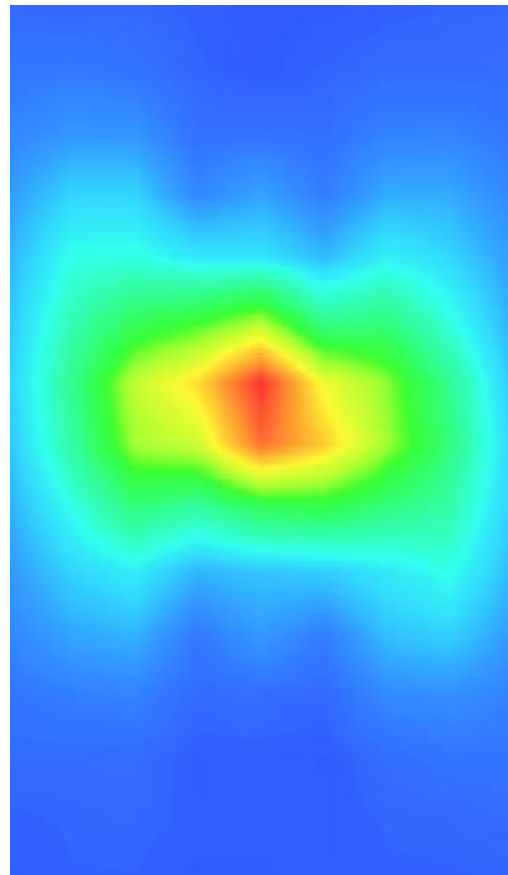
Z (m m)	0.00	2.00	4.00	6.00	8.00	10.0 0	12.0 0	14.0 0	16.0 0	18.0 0	20.0 0	22.0 0
SA R (W/ Kg)	48.3 453	28.6 215	14.6 553	7.40 33	3.68 41	1.83 33	0.93 67	0.47 59	0.25 26	0.13 05	0.07 09	0.05 04



3D screen shot



Hot spot position



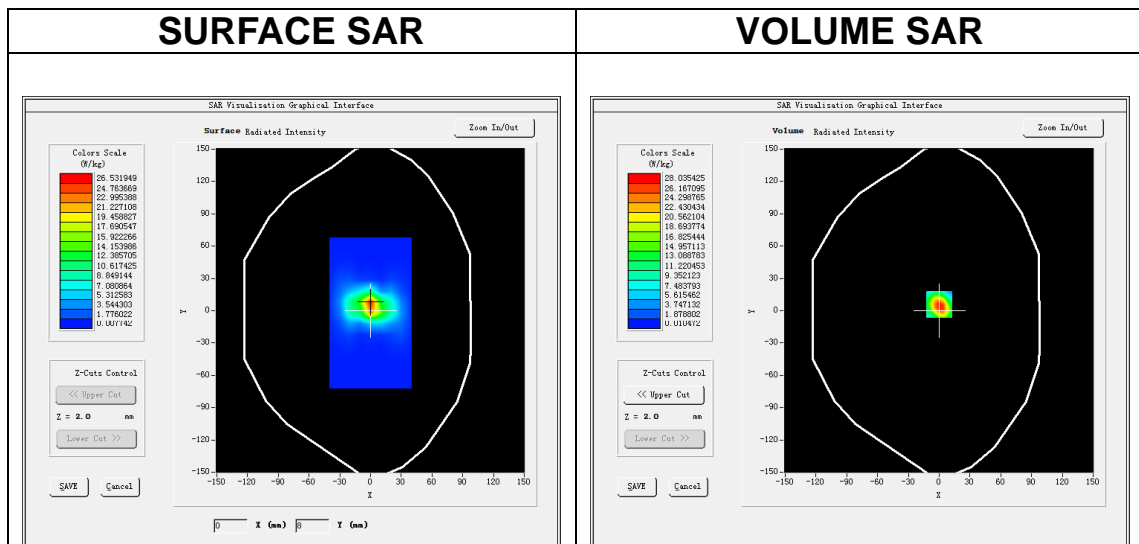
MEASUREMENT 21

A. Experimental conditions.

Area Scan	<u>dx=10mm dy=10mm, h= 2.00 mm</u>
ZoomScan	<u>7x7x12,dx=4mm dy=4mm dz=2mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Dipole</u>
Band	<u>CW5600</u>
Channels	<u>Middle</u>
Signal	<u>CW (Crest factor: 1.0)</u>

B. SAR Measurement Results

Frequency (MHz)	5600.000000
Relative permittivity (real part)	35.725237
Relative permittivity (imaginary part)	16.251710
Conductivity (S/m)	5.064271
Variation (%)	-0.820000

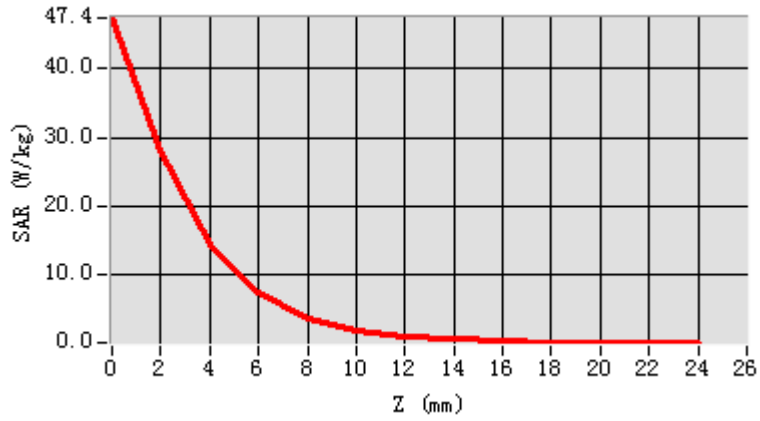


Maximum location: X=0.00, Y=6.00

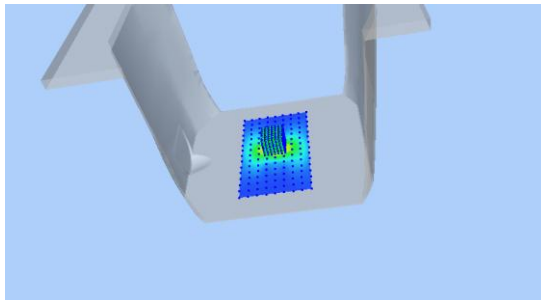
SAR Peak: 50.34 W/kg

SAR 10g (W/Kg)	5.517792
SAR 1g (W/Kg)	16.863827

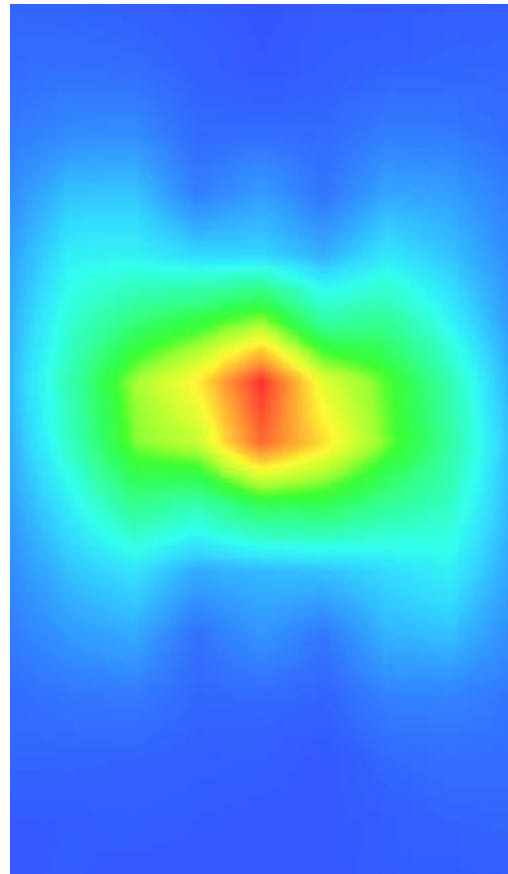
Z (m)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	47.4088	28.0354	14.2394	7.2330	3.6026	1.8175	0.9156	0.4886	0.2465	0.1269	0.0738	0.0397



3D screen shot



Hot spot position



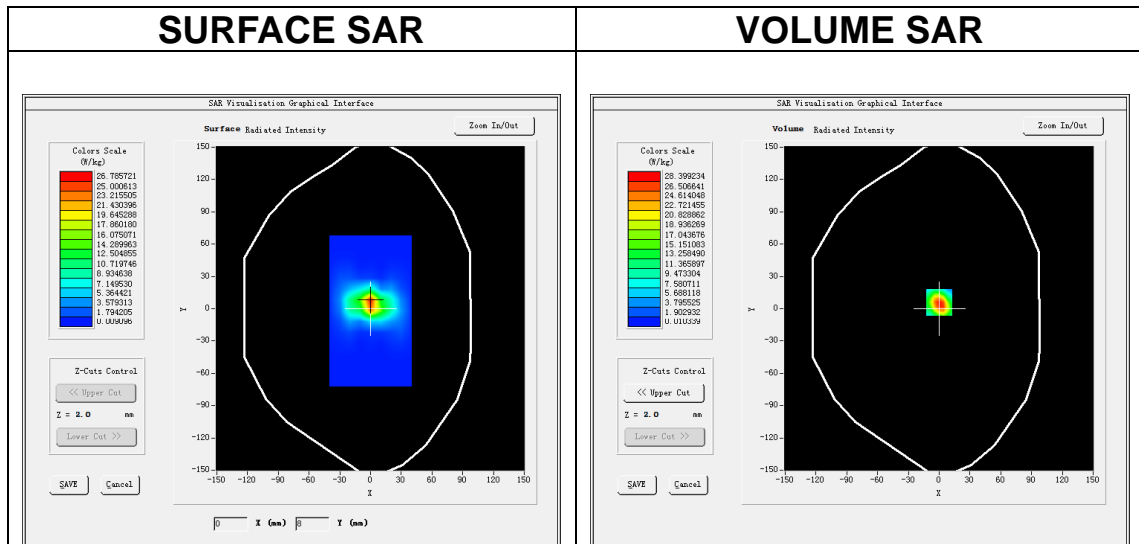
MEASUREMENT 22

A. Experimental conditions.

Area Scan	<u>dx=10mm dy=10mm, h= 2.00 mm</u>
ZoomScan	<u>7x7x12,dx=4mm dy=4mm dz=2mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Dipole</u>
Band	<u>CW5600</u>
Channels	<u>Middle</u>
Signal	<u>CW (Crest factor: 1.0)</u>

B. SAR Measurement Results

Frequency (MHz)	5600.000000
Relative permittivity (real part)	49.912232
Relative permittivity (imaginary part)	18.231710
Conductivity (S/m)	5.674270
Variation (%)	-0.040000

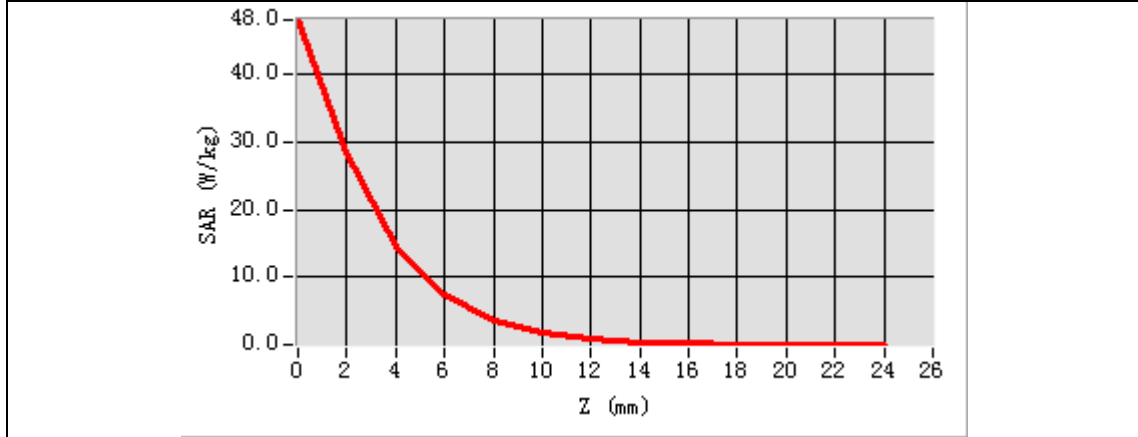


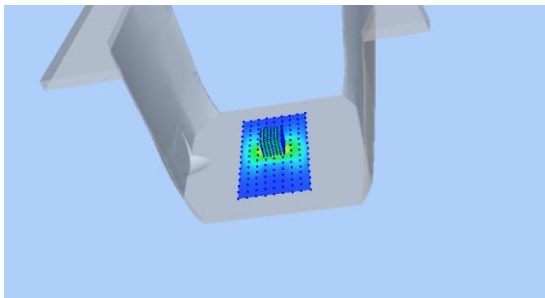
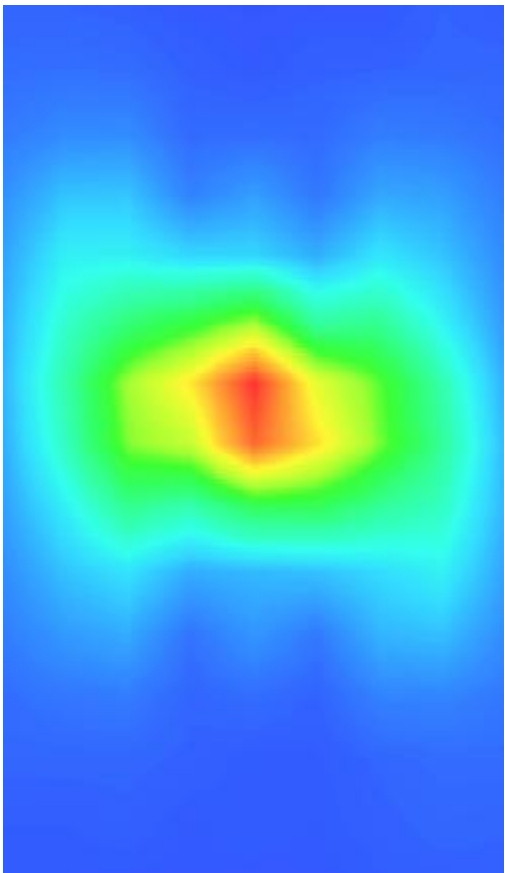
Maximum location: X=0.00, Y=6.00

SAR Peak: 50.97 W/kg

SAR 10g (W/Kg)	5.582329
SAR 1g (W/Kg)	16.055825

Z (m m)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SA R (W/ Kg)	48.0320	28.3990	14.4533	7.2935	3.6498	1.8204	0.9246	0.4666	0.2496	0.1343	0.0728	0.0495



3D screen shot	Hot spot position
	

13. Appendix C. Plots of High SAR Measurement

Table of contents
MEASUREMENT 1 GSM 850 Head
MEASUREMENT 2 GSM 850 Body
MEASUREMENT 3 GSM 1900 Head
MEASUREMENT 4 GSM 1900 Body
MEASUREMENT 5 WCDMA Band II Head
MEASUREMENT 6 WCDMA Band II Body
MEASUREMENT 7 WCDMA Band IV Head
MEASUREMENT 8 WCDMA Band IV Body
MEASUREMENT 9 WCDMA Band V Head
MEASUREMENT 10 WCDMA Band V Body
MEASUREMENT 11 WLAN 5.2G Head
MEASUREMENT 12 WLAN 5.8G Head
MEASUREMENT 13 WLAN 5.2G Body
MEASUREMENT 14 WLAN 5.8G Body
MEASUREMENT 15 WLAN 2.4G Head
MEASUREMENT 16 WLAN 2.4G Body
MEASUREMENT 17 LTE Band II Head
MEASUREMENT 18 LTE Band II Body
MEASUREMENT 19 LTE Band IV Head
MEASUREMENT 20 LTE Band IV Body
MEASUREMENT 21 LTE Band V Head
MEASUREMENT 22 LTE Band V Body
MEASUREMENT 23 LTE Band VII Head
MEASUREMENT 24 LTE Band VII Body
MEASUREMENT 25 LTE Band XII Head
MEASUREMENT 26 LTE Band XII Body
MEASUREMENT 27 LTE Band XIII Head
MEASUREMENT 28 LTE Band XIII Body
MEASUREMENT 29 LTE Band XIV Head
MEASUREMENT 30 LTE Band XIV Body
MEASUREMENT 31 LTE Band XXV Head
MEASUREMENT 32 LTE Band XXV Body
MEASUREMENT 33 LTE Band XLI Head
MEASUREMENT 34 LTE Band XLI Body
MEASUREMENT 35 WLAN 5.3G Head
MEASUREMENT 36 WLAN 5.6G Head
MEASUREMENT 37 WLAN 5.3G Body



MEASUREMENT 38 WLAN 5.6G Body

MEASUREMENT 39 LTE Band XXVI Head

MEASUREMENT 40 LTE Band XXVI Body

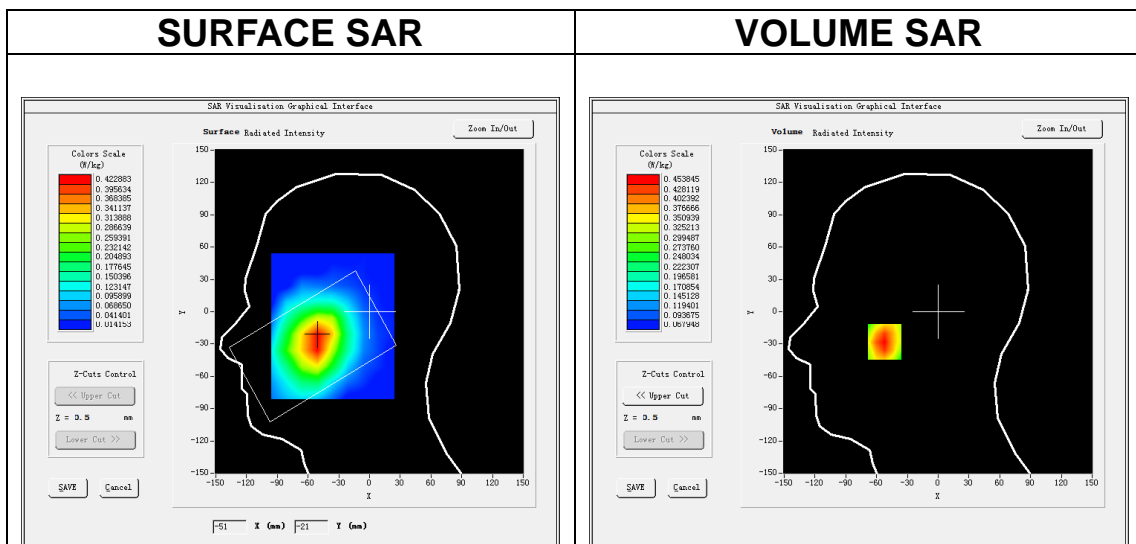
MEASUREMENT 1

A. Experimental conditions.

Area Scan	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm dz=5mm</u>
Phantom	<u>Left head</u>
Device Position	<u>Cheek</u>
Band	<u>GSM850</u>
Channels	<u>Middle</u>
Signal	<u>TDMA (Crest factor: 2.0)</u>

B. SAR Measurement Results

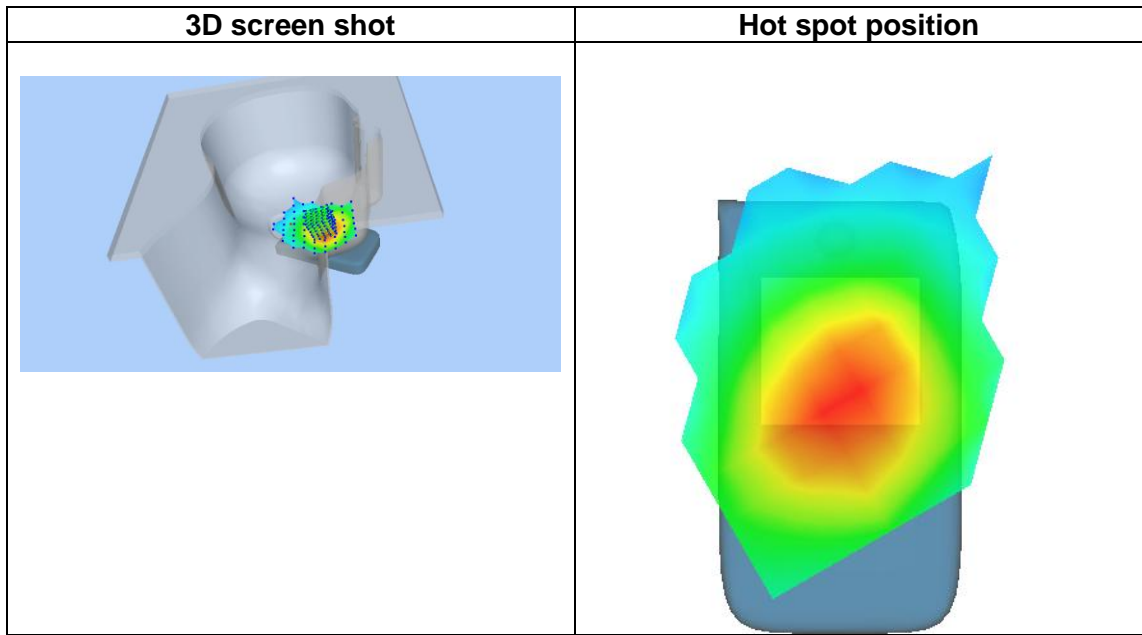
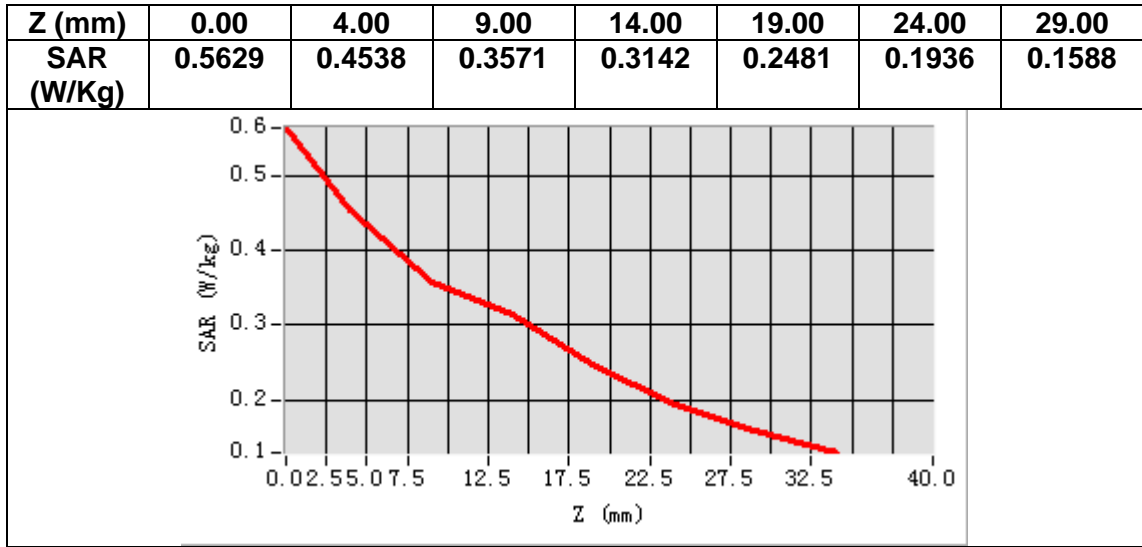
Frequency (MHz)	836.400000
Relative permittivity (real part)	41.530960
Relative permittivity (imaginary part)	19.511539
Conductivity (S/m)	0.906636
Variation (%)	0.660000



Maximum location: X=-52.00, Y=-28.00

SAR Peak: 0.57 W/kg

SAR 10g (W/Kg)	0.325408
SAR 1g (W/Kg)	0.442256



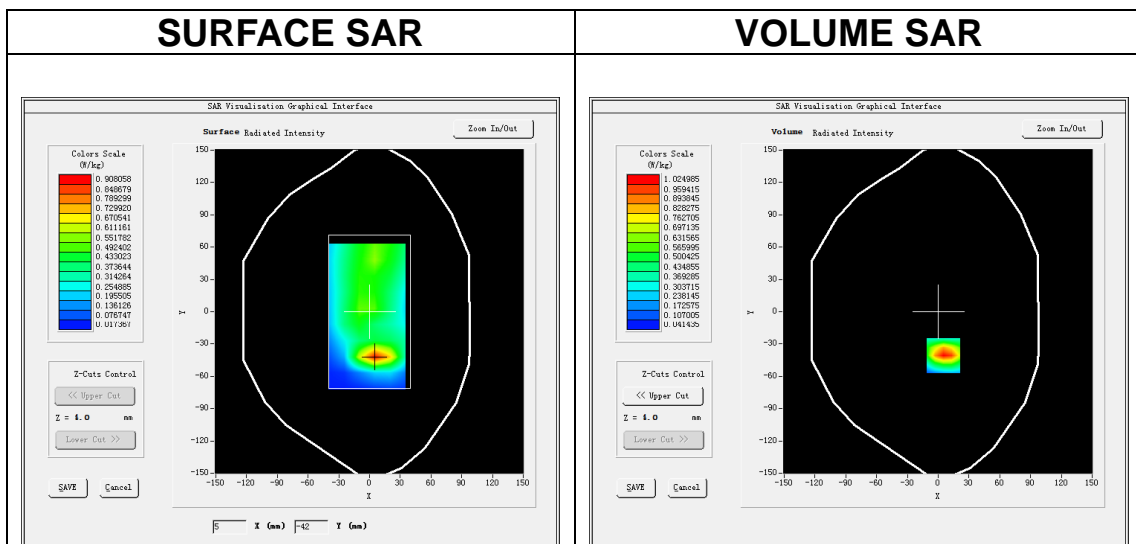
MEASUREMENT 2

A. Experimental conditions.

Area Scan	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm dz=5mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body</u>
Band	<u>GSM850</u>
Channels	<u>Middle</u>
Signal	<u>TDMA (Crest factor: 2.0)</u>

B. SAR Measurement Results

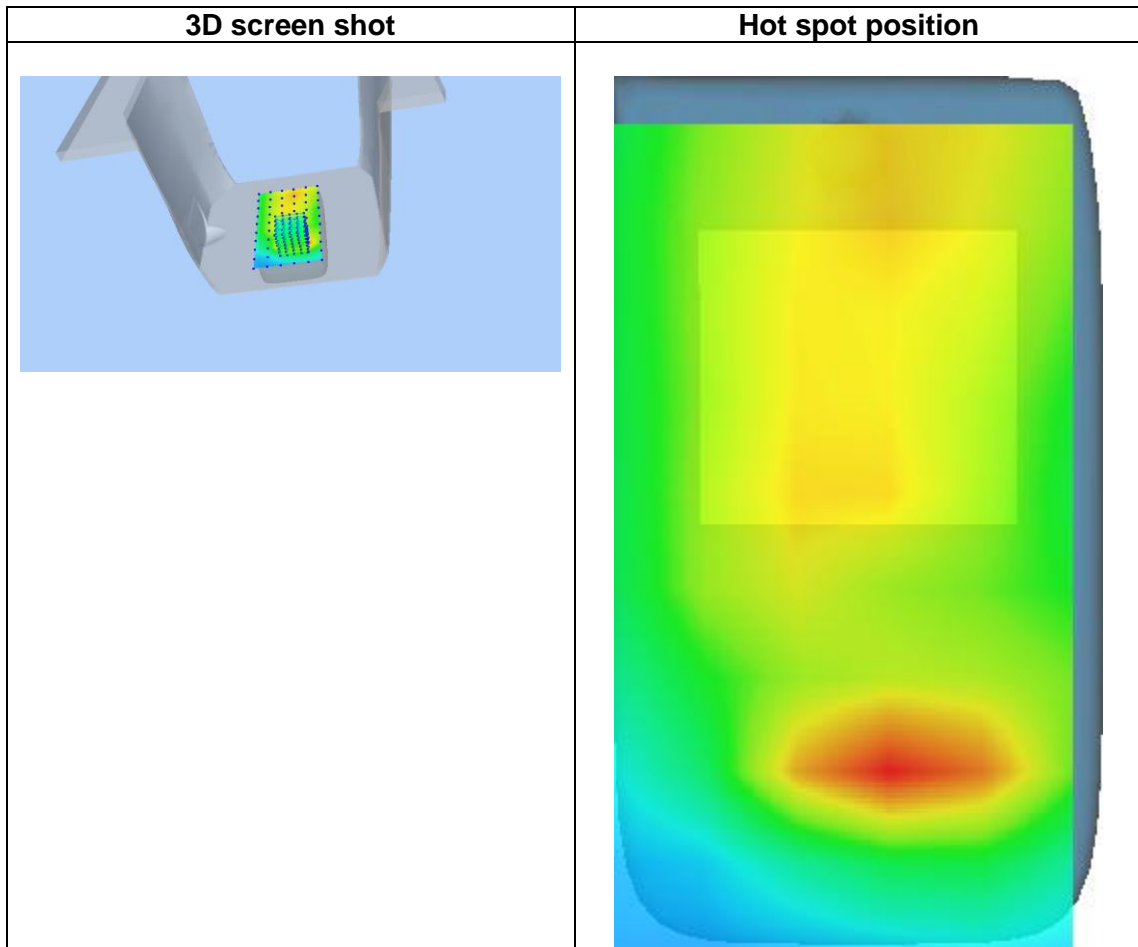
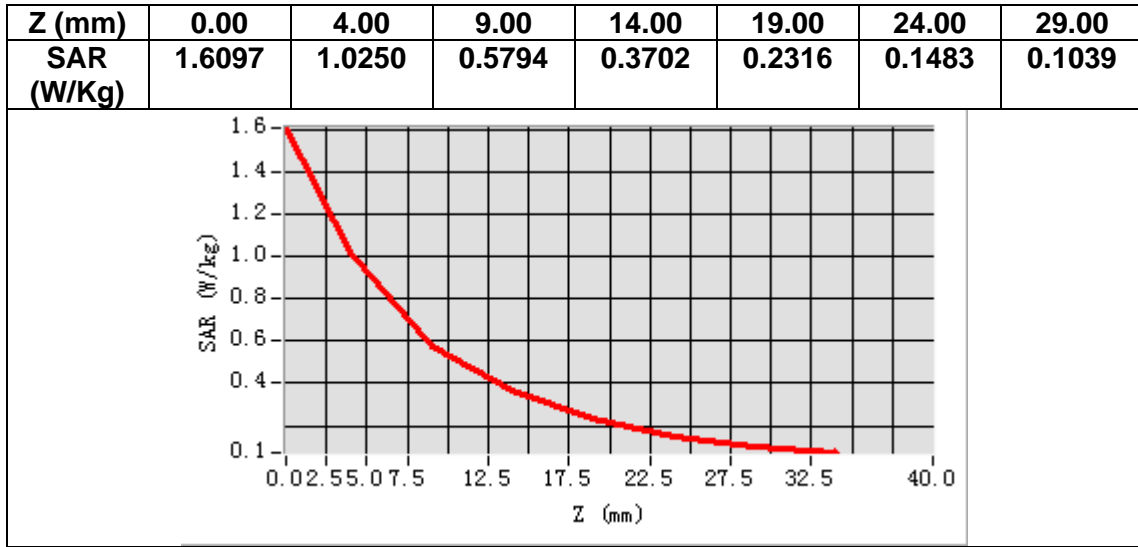
Frequency (MHz)	836.400000
Relative permittivity (real part)	54.929581
Relative permittivity (imaginary part)	21.452740
Conductivity (S/m)	0.996837
Variation (%)	2.310000



Maximum location: X=5.00, Y=-41.00

SAR Peak: 1.66 W/kg

SAR 10g (W/Kg)	0.511105
SAR 1g (W/Kg)	0.994660



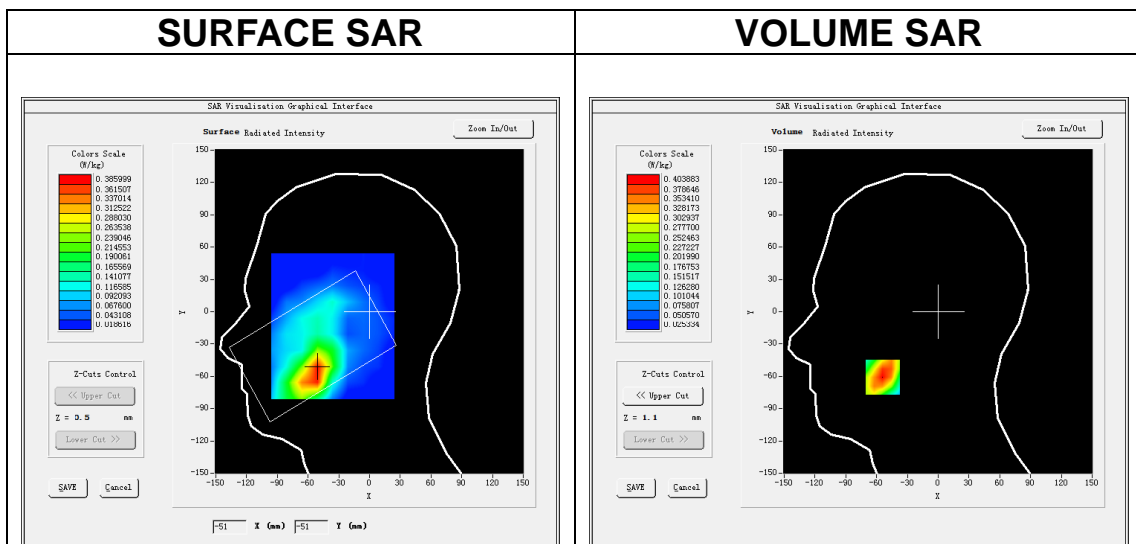
MEASUREMENT 3

A. Experimental conditions.

Area Scan	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm dz=5mm</u>
Phantom	<u>Left head</u>
Device Position	<u>Cheek</u>
Band	<u>GSM1900</u>
Channels	<u>Middle</u>
Signal	<u>TDMA (Crest factor: 2.0)</u>

B. SAR Measurement Results

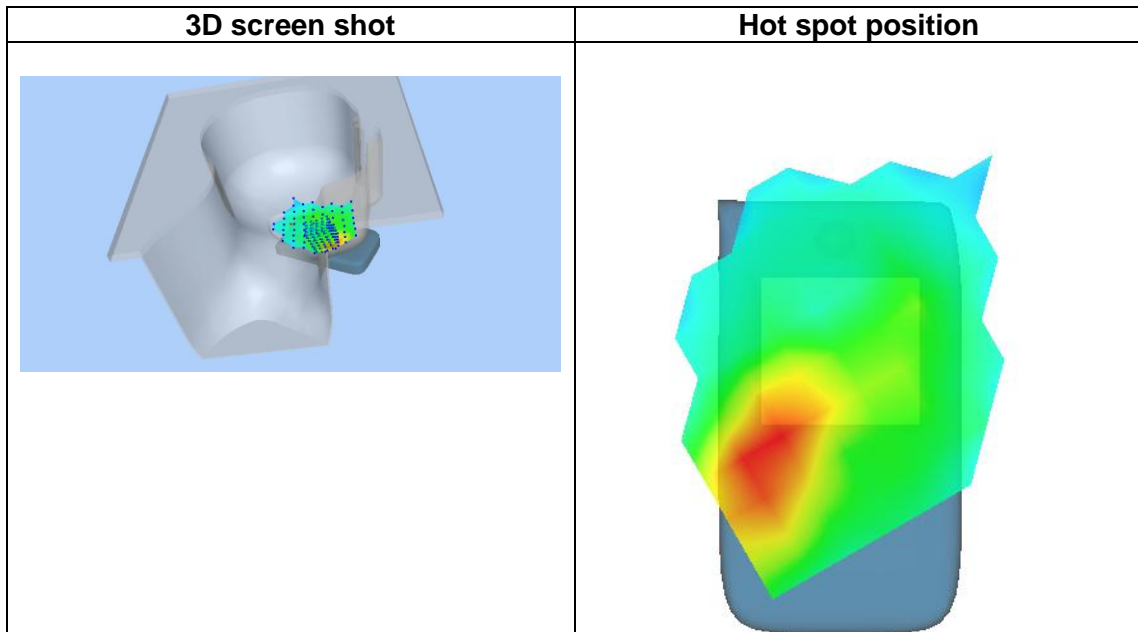
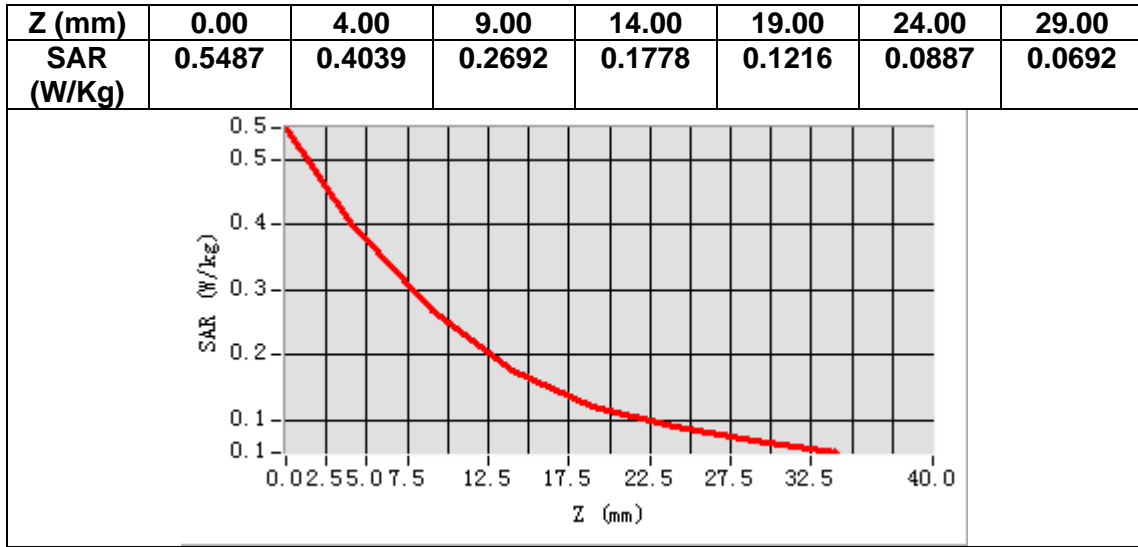
Frequency (MHz)	1880.000000
Relative permittivity (real part)	40.080399
Relative permittivity (imaginary part)	13.387800
Conductivity (S/m)	1.398281
Variation (%)	2.770000



Maximum location: X=-54.00, Y=-61.00

SAR Peak: 0.58 W/kg

SAR 10g (W/Kg)	0.233963
SAR 1g (W/Kg)	0.384354



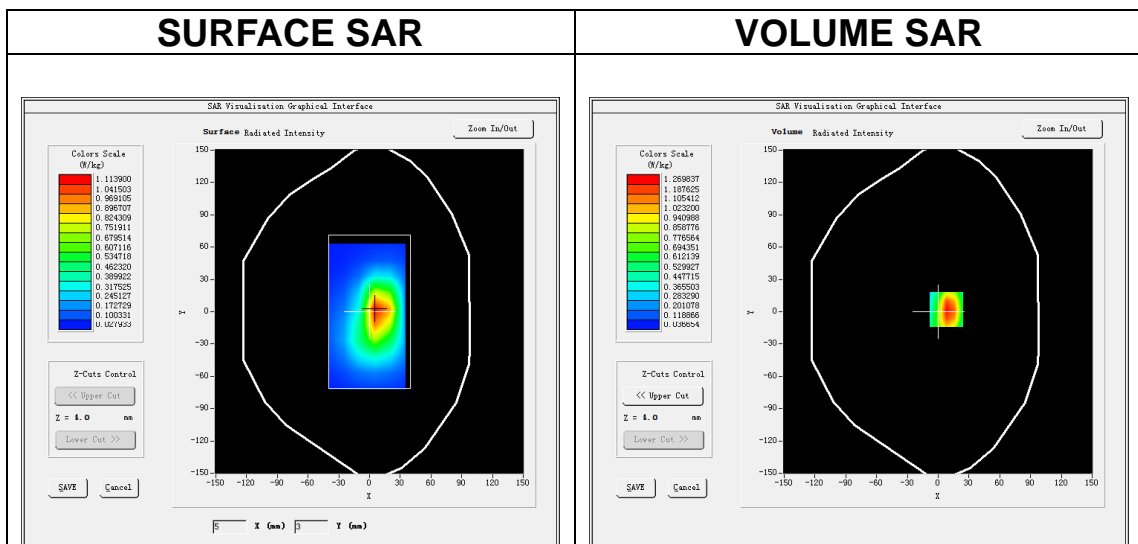
MEASUREMENT 4

A. Experimental conditions.

Area Scan	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm dz=5mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body</u>
Band	<u>GSM1900</u>
Channels	<u>High</u>
Signal	<u>TDMA (Crest factor: 2.0)</u>

B. SAR Measurement Results

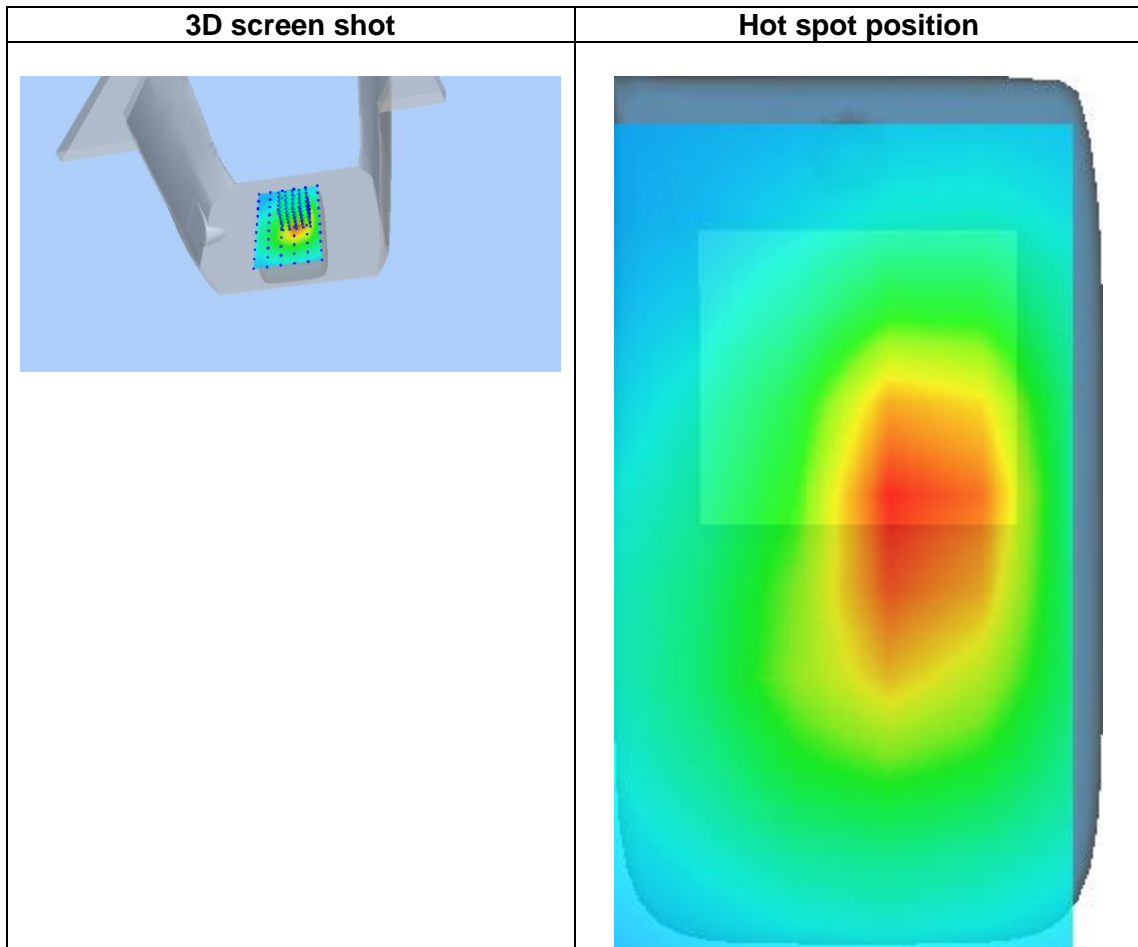
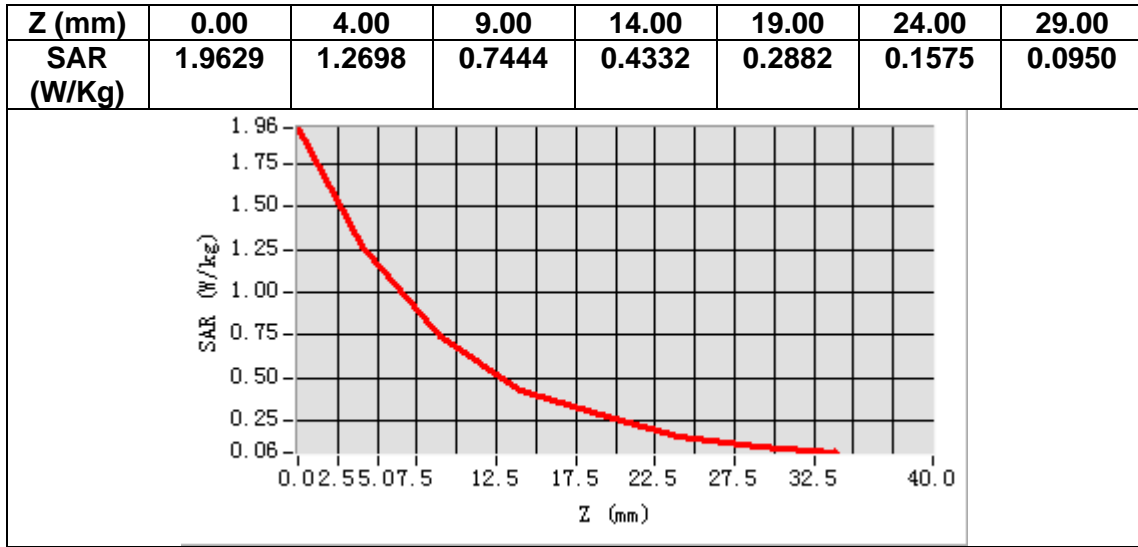
Frequency (MHz)	1909.800000
Relative permittivity (real part)	53.173538
Relative permittivity (imaginary part)	14.600260
Conductivity (S/m)	1.549088
Variation (%)	0.250000



Maximum location: X=8.00, Y=2.00

SAR Peak: 2.03 W/kg

SAR 10g (W/Kg)	0.650818
SAR 1g (W/Kg)	1.239428



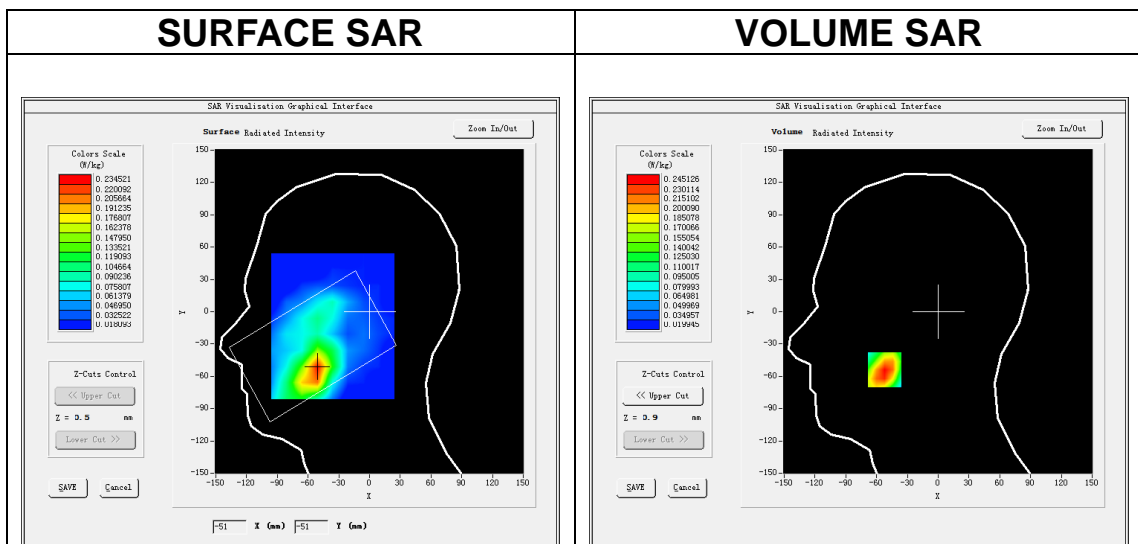
MEASUREMENT 5

A. Experimental conditions.

Area Scan	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm dz=5mm</u>
Phantom	<u>Left head</u>
Device Position	<u>Cheek</u>
Band	<u>Band2 WCDMA1900</u>
Channels	<u>Middle</u>
Signal	<u>WCDMA (Crest factor: 1.0)</u>

B. SAR Measurement Results

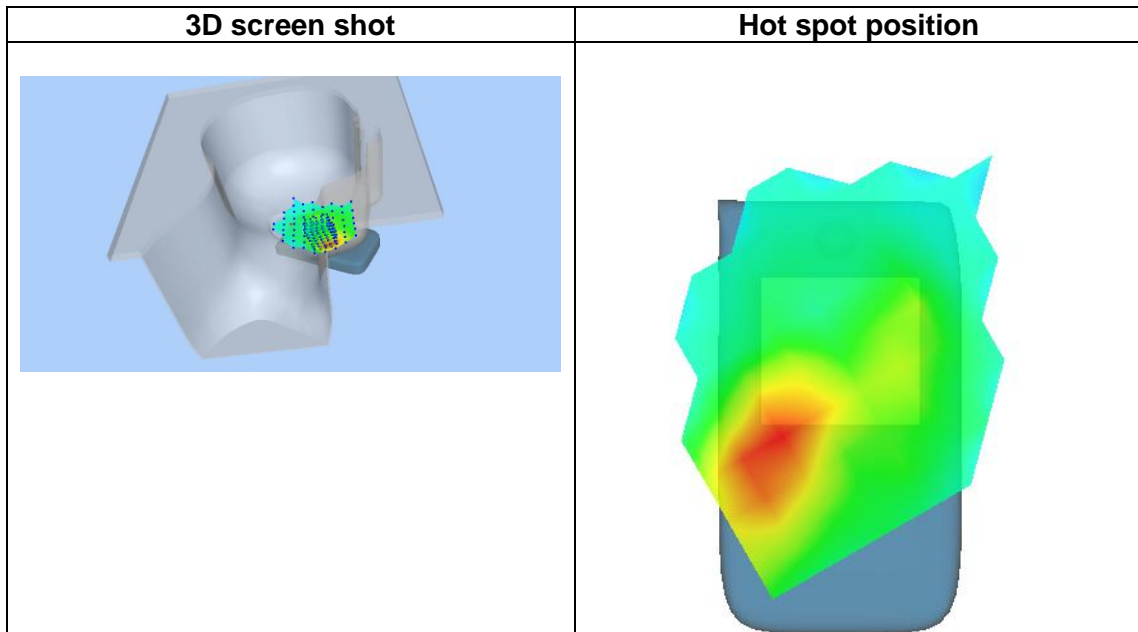
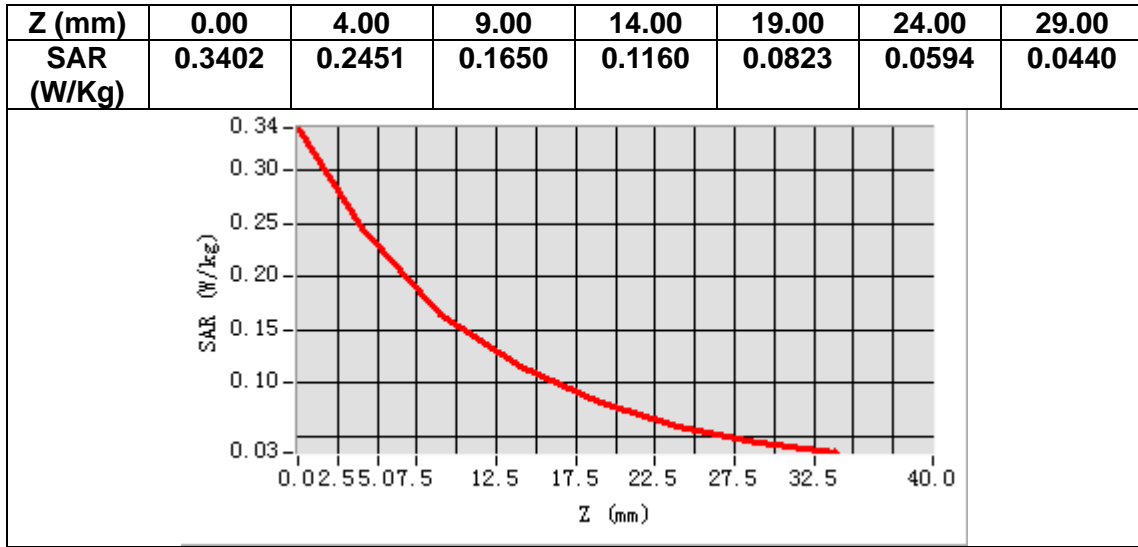
Frequency (MHz)	1880.000000
Relative permittivity (real part)	40.080399
Relative permittivity (imaginary part)	13.387800
Conductivity (S/m)	1.398281
Variation (%)	1.140000



Maximum location: X=-52.00, Y=-54.00

SAR Peak: 0.35 W/kg

SAR 10g (W/Kg)	0.145652
SAR 1g (W/Kg)	0.237077



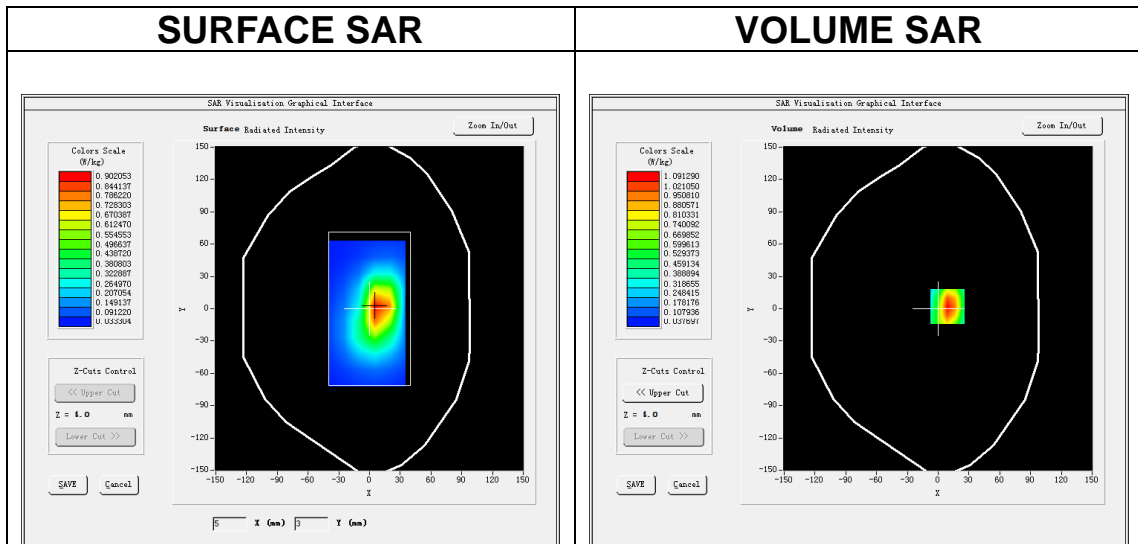
MEASUREMENT 6

A. Experimental conditions.

Area Scan	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm dz=5mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body</u>
Band	<u>Band2 WCDMA1900</u>
Channels	<u>Low</u>
Signal	<u>WCDMA (Crest factor: 1.0)</u>

B. SAR Measurement Results

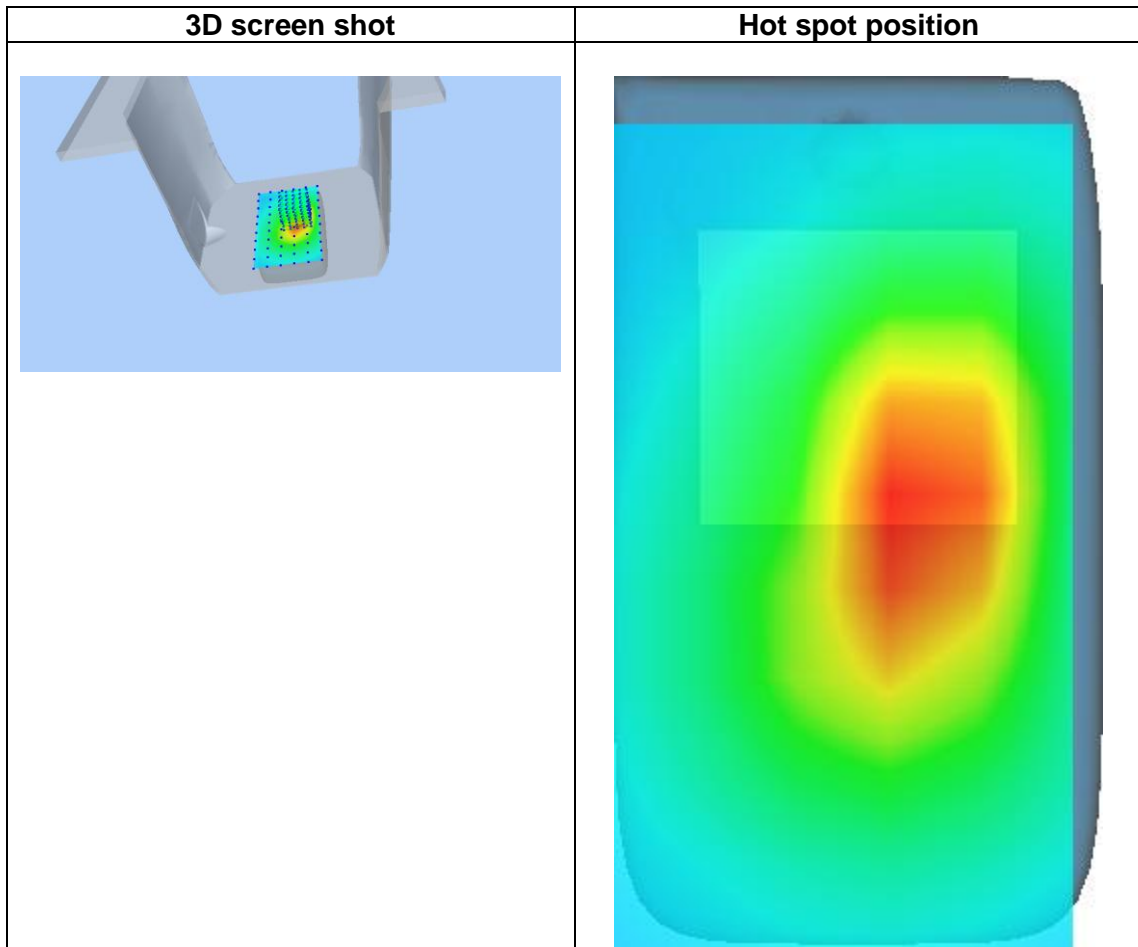
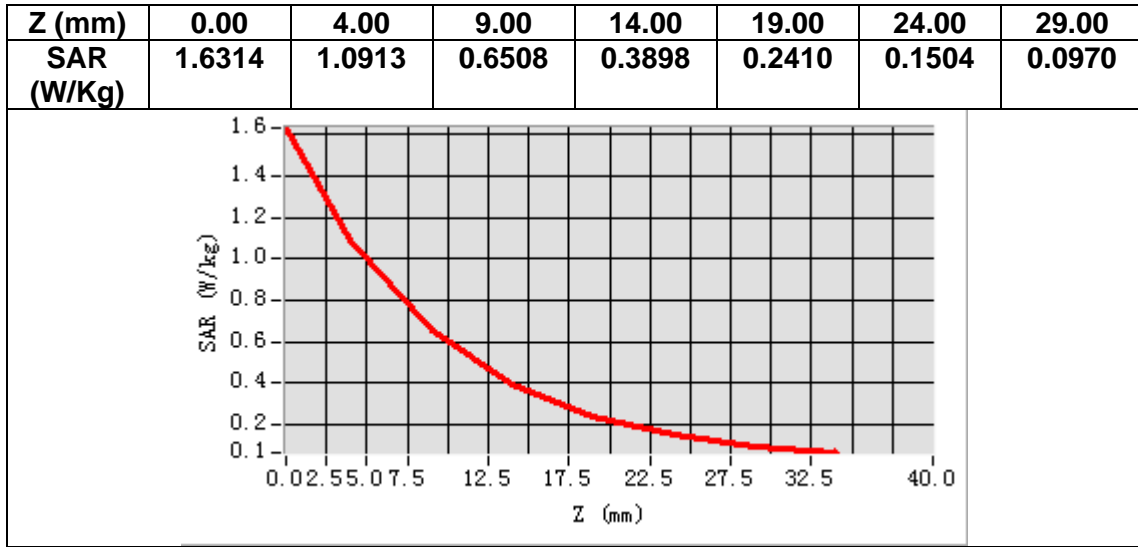
Frequency (MHz)	1852.400000
Relative permittivity (real part)	53.374062
Relative permittivity (imaginary part)	14.729240
Conductivity (S/m)	1.515802
Variation (%)	-0.590000



Maximum location: X=9.00, Y=2.00

SAR Peak: 1.68 W/kg

SAR 10g (W/Kg)	0.555713
SAR 1g (W/Kg)	1.035520



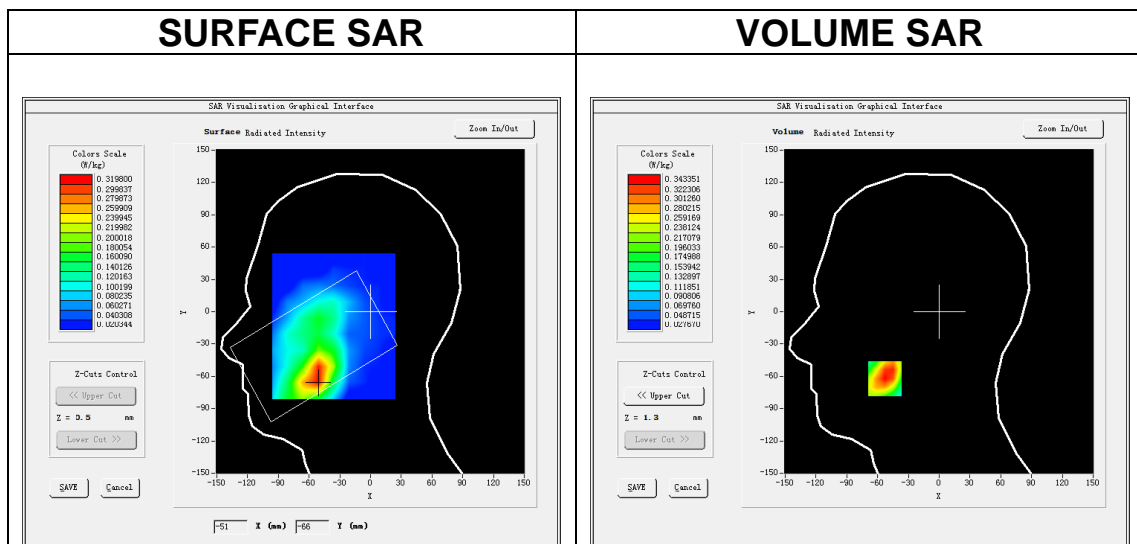
MEASUREMENT 7

A. Experimental conditions.

Area Scan	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm dz=5mm</u>
Phantom	<u>Left head</u>
Device Position	<u>Cheek</u>
Band	<u>Band4 WCDMA1700</u>
Channels	<u>Middle</u>
Signal	<u>WCDMA (Crest factor: 1.0)</u>

B. SAR Measurement Results

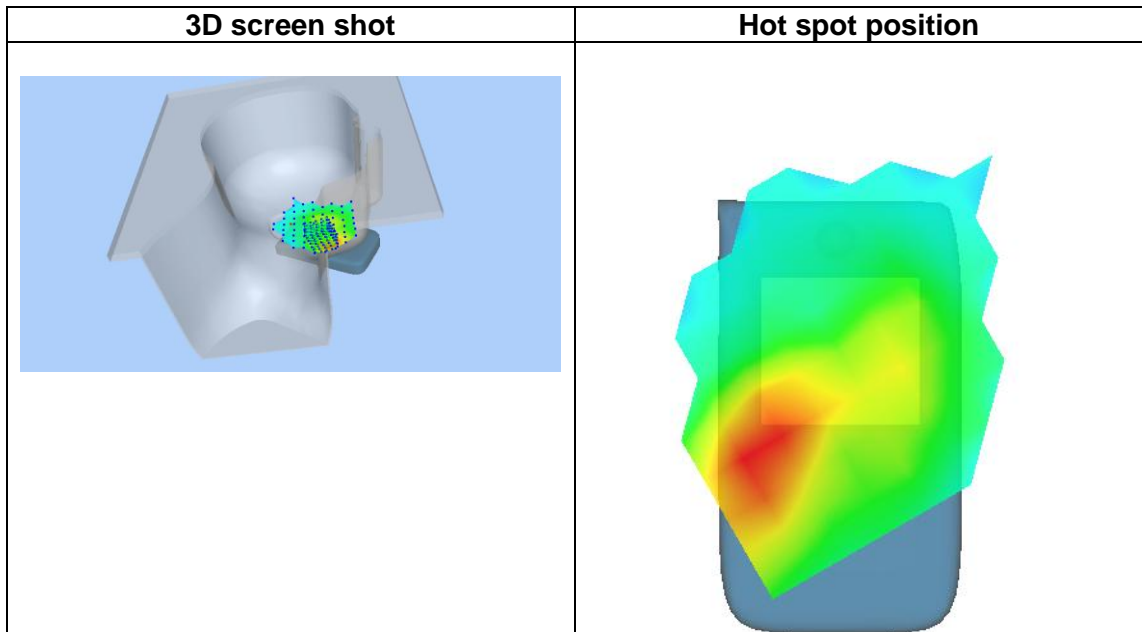
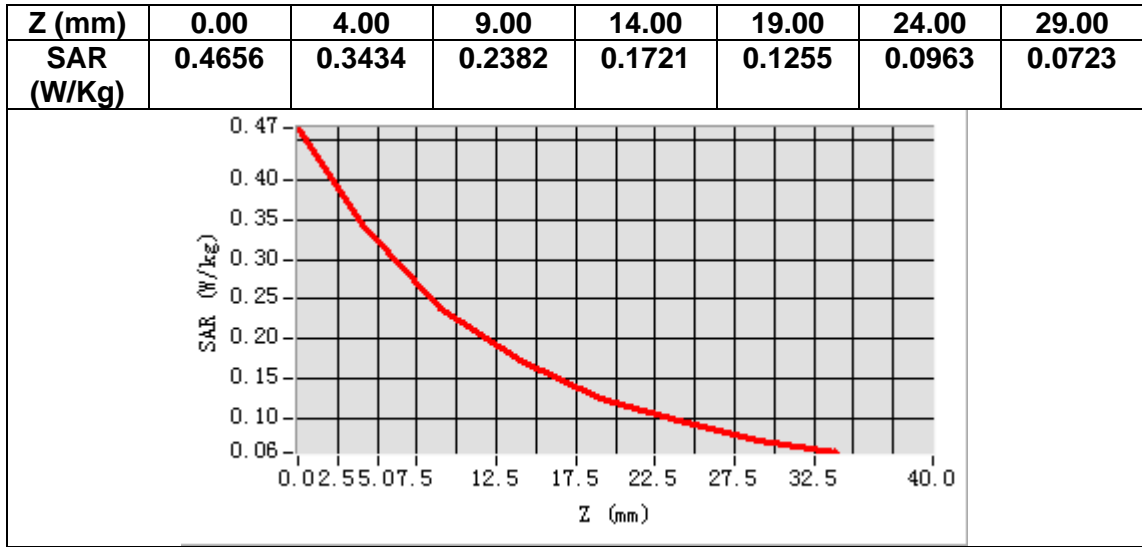
Frequency (MHz)	1732.600000
Relative permittivity (real part)	39.997391
Relative permittivity (imaginary part)	13.935742
Conductivity (S/m)	1.340928
Variation (%)	4.060000



Maximum location: X=-53.00, Y=-62.00

SAR Peak: 0.49 W/kg

SAR 10g (W/Kg)	0.210076
SAR 1g (W/Kg)	0.333958



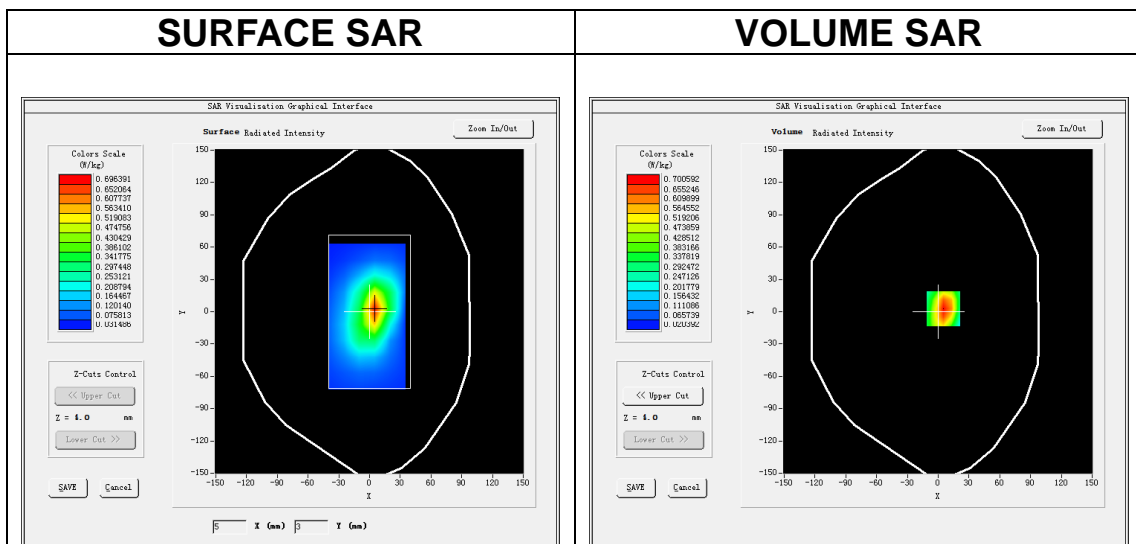
MEASUREMENT 8

A. Experimental conditions.

Area Scan	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm dz=5mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body</u>
Band	<u>Band4 WCDMA1700</u>
Channels	<u>Middle</u>
Signal	<u>WCDMA (Crest factor: 1.0)</u>

B. SAR Measurement Results

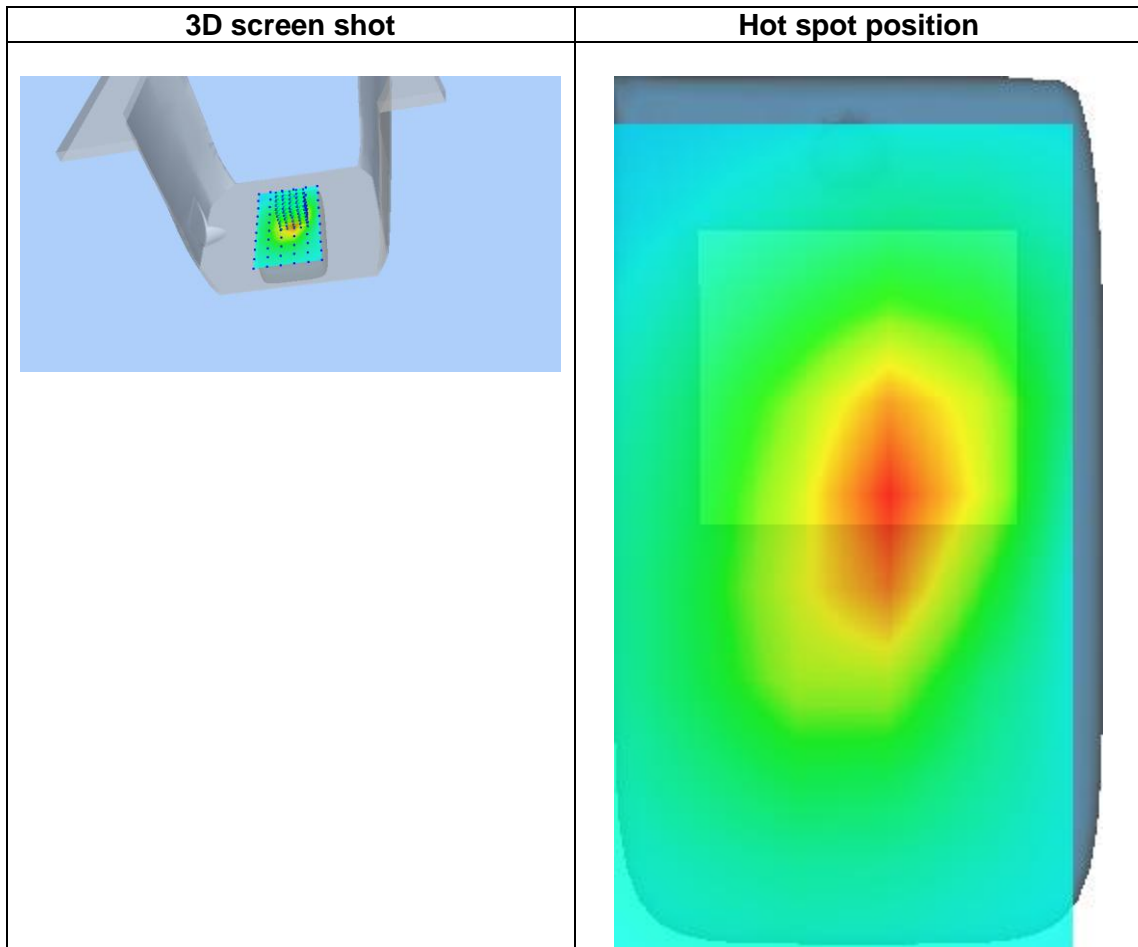
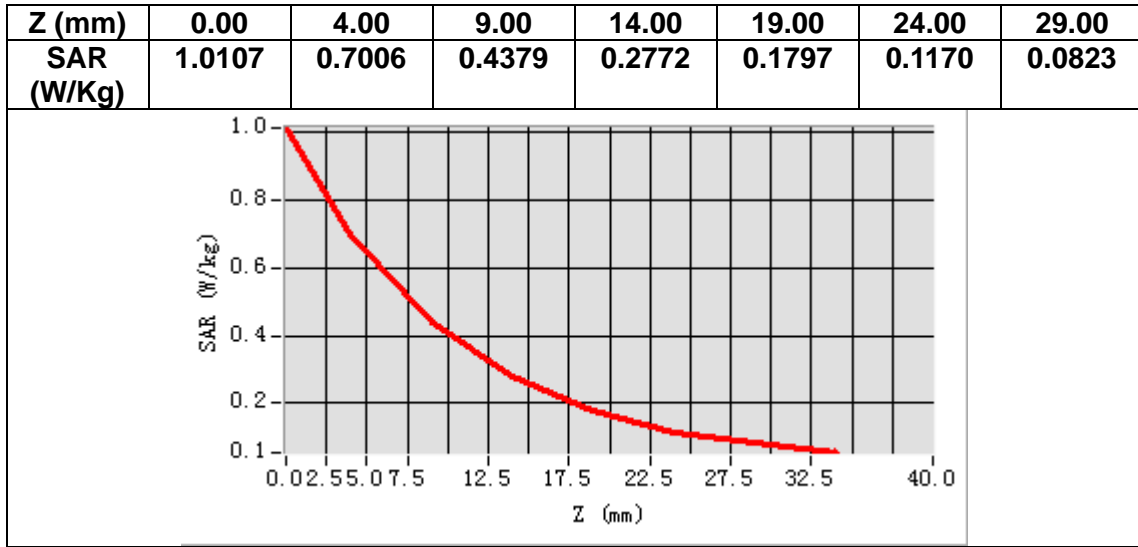
Frequency (MHz)	1732.600000
Relative permittivity (real part)	54.196167
Relative permittivity (imaginary part)	15.281370
Conductivity (S/m)	1.470407
Variation (%)	-0.480000



Maximum location: X=5.00, Y=3.00

SAR Peak: 1.03 W/kg

SAR 10g (W/Kg)	0.375206
SAR 1g (W/Kg)	0.662237



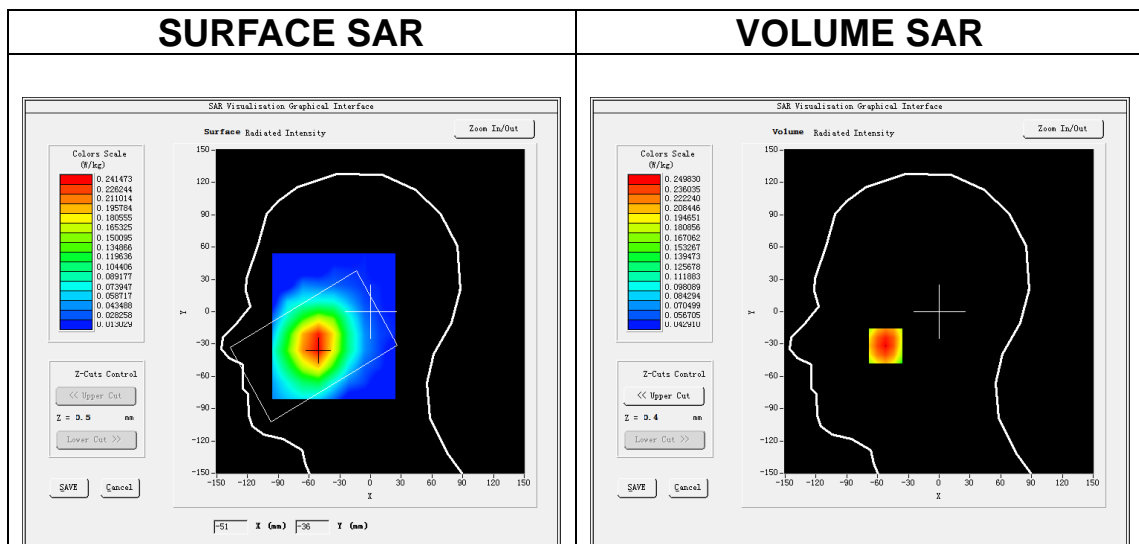
MEASUREMENT 9

A. Experimental conditions.

Area Scan	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm dz=5mm</u>
Phantom	<u>Left head</u>
Device Position	<u>Cheek</u>
Band	<u>Band5_WCDMA850</u>
Channels	<u>Middle</u>
Signal	<u>WCDMA (Crest factor: 1.0)</u>

B. SAR Measurement Results

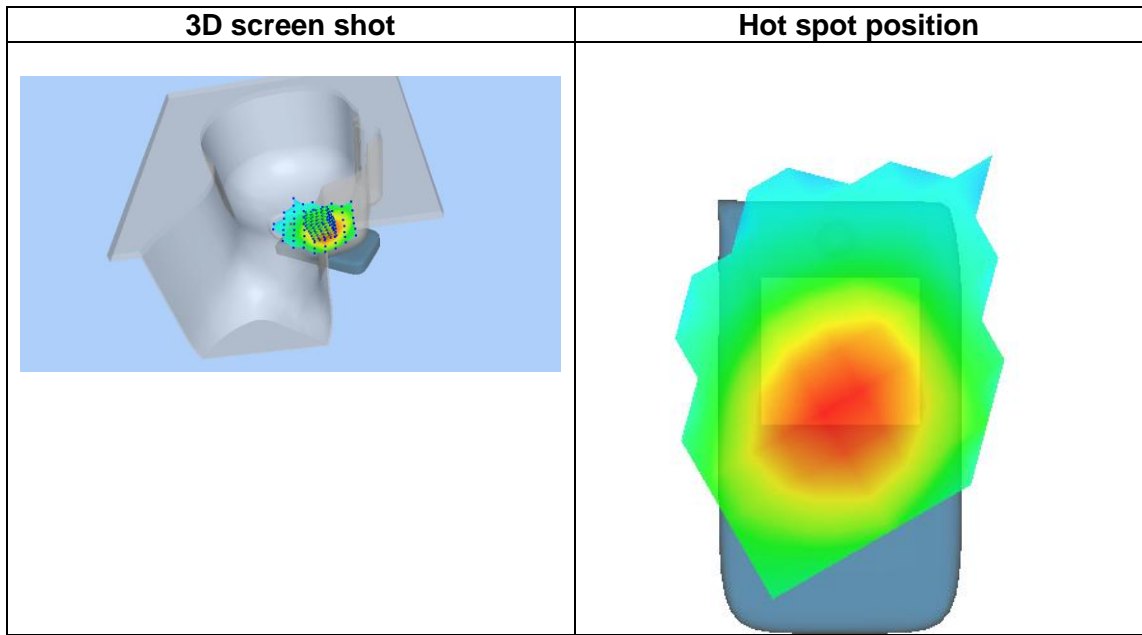
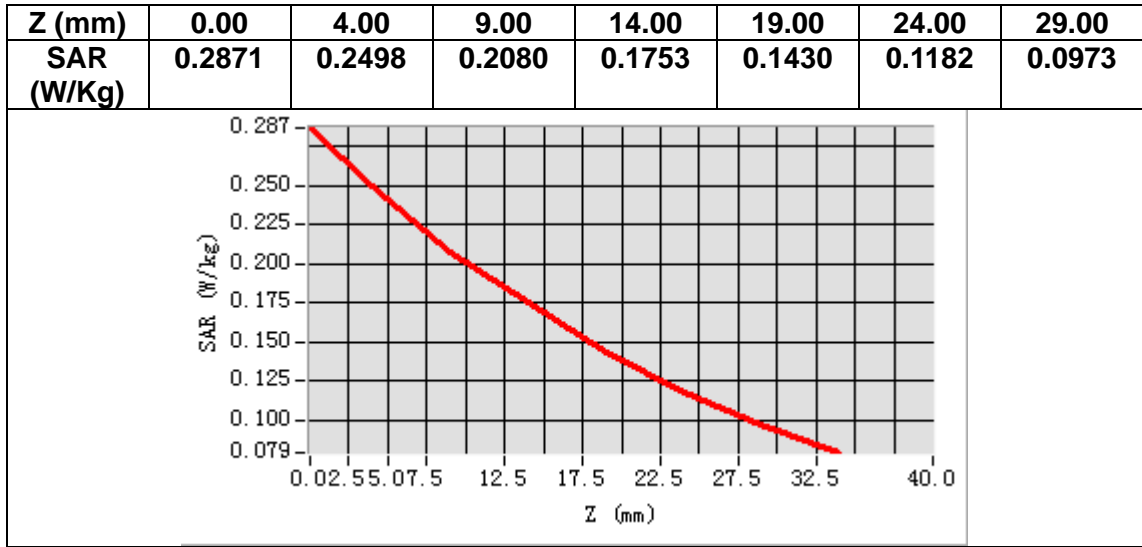
Frequency (MHz)	836.400000
Relative permittivity (real part)	41.530960
Relative permittivity (imaginary part)	19.511539
Conductivity (S/m)	0.906636
Variation (%)	2.600000



Maximum location: X=-52.00, Y=-32.00

SAR Peak: 0.29 W/kg

SAR 10g (W/Kg)	0.188570
SAR 1g (W/Kg)	0.242482



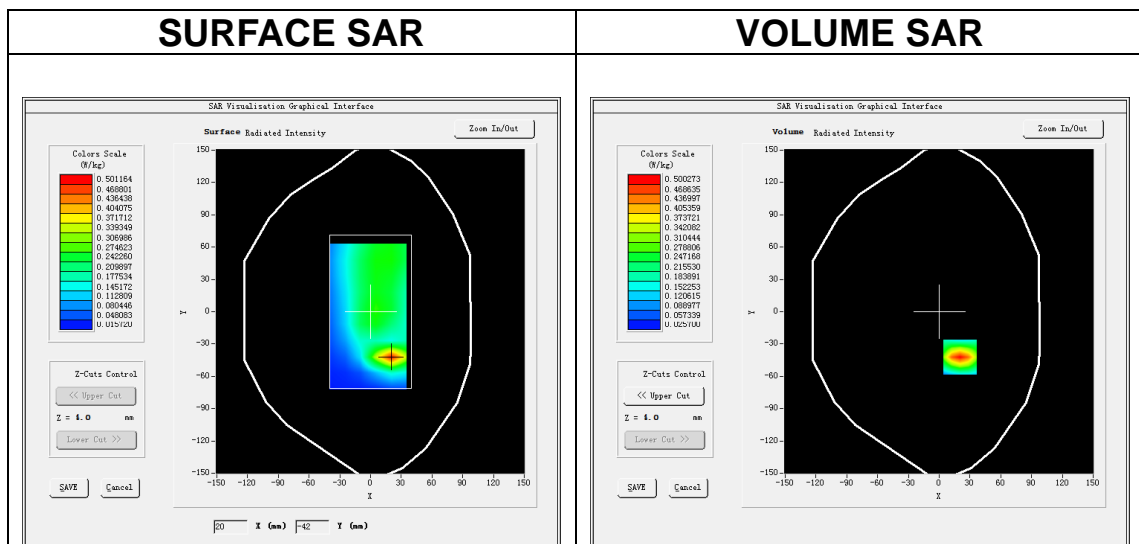
MEASUREMENT 10

A. Experimental conditions.

Area Scan	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm dz=5mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body</u>
Band	<u>Band5_WCDMA850</u>
Channels	<u>Middle</u>
Signal	<u>WCDMA (Crest factor: 1.0)</u>

B. SAR Measurement Results

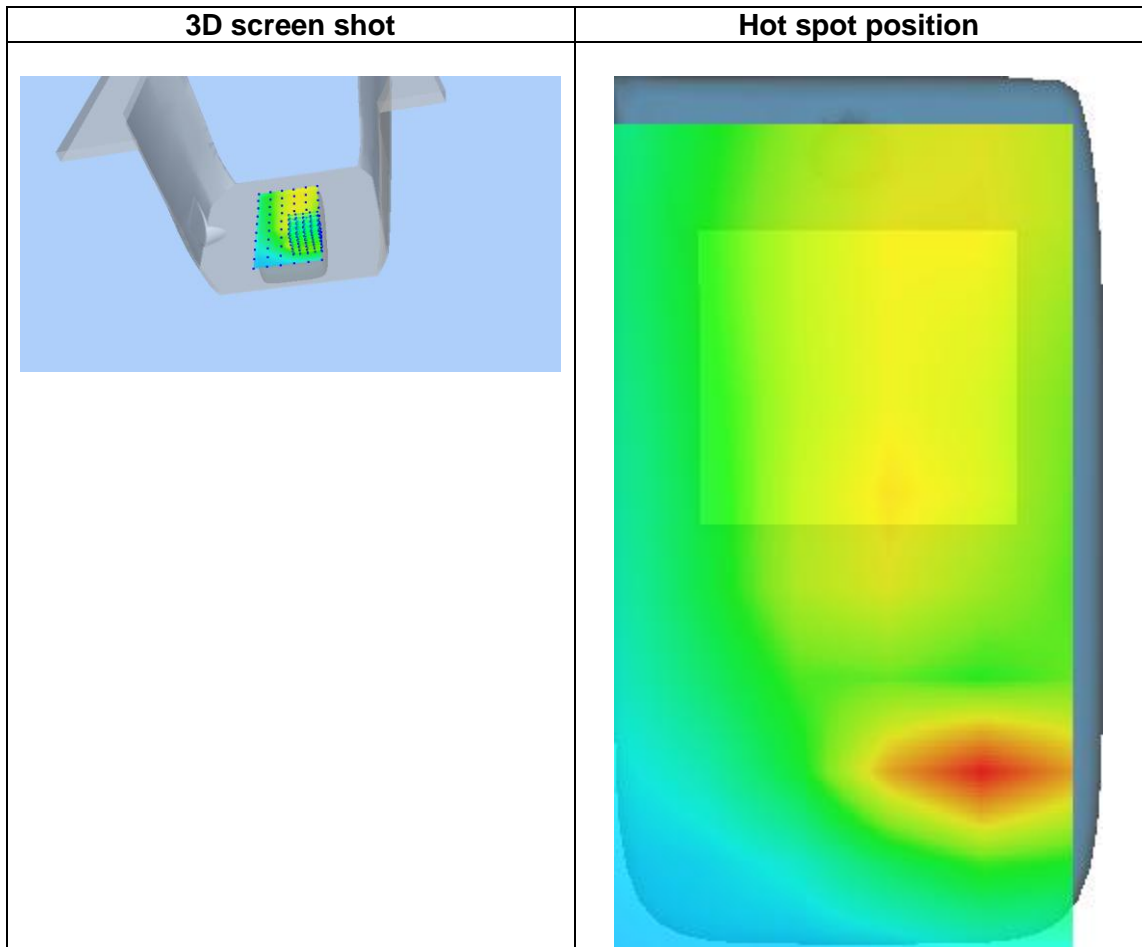
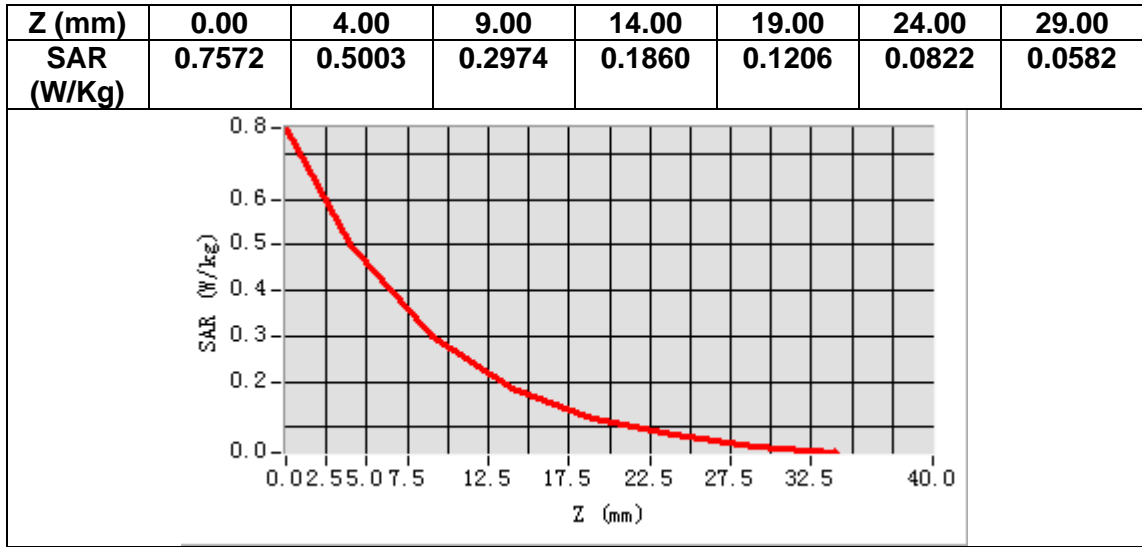
Frequency (MHz)	836.400000
Relative permittivity (real part)	54.929581
Relative permittivity (imaginary part)	21.452740
Conductivity (S/m)	0.996837
Variation (%)	0.190000



Maximum location: X=20.00, Y=-42.00

SAR Peak: 0.75 W/kg

SAR 10g (W/Kg)	0.250969
SAR 1g (W/Kg)	0.469134



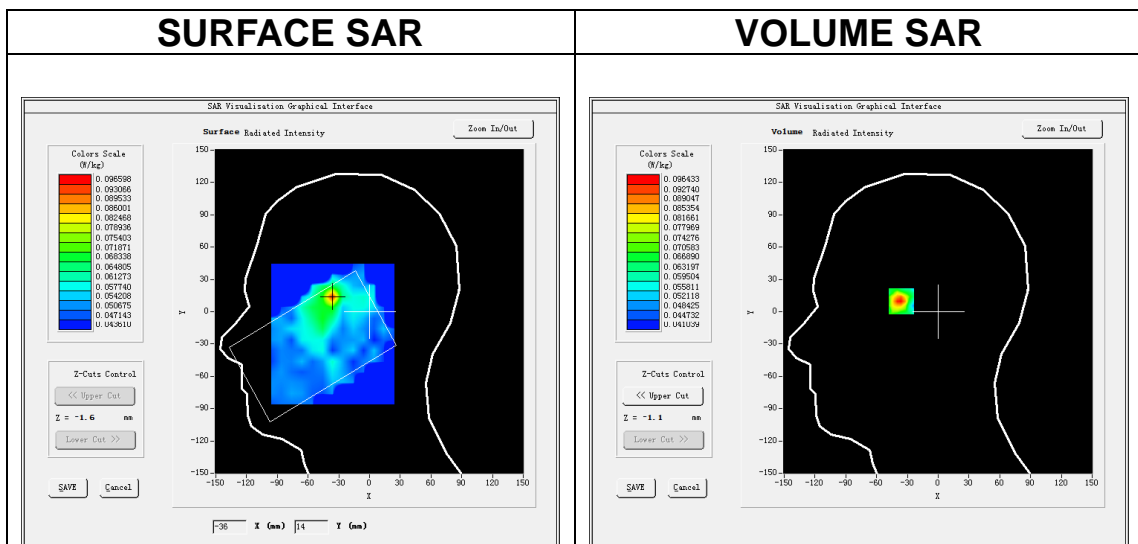
MEASUREMENT 11

A. Experimental conditions.

Area Scan	<u>dx=10mm dy=10mm, h= 2.00 mm</u>
ZoomScan	<u>7x7x12,dx=4mm dy=4mm dz=2mm</u>
Phantom	<u>Left head</u>
Device Position	<u>Cheek</u>
Band	<u>IEEE 802.11a U-NII</u>
Channels	<u>Middle</u>
Signal	<u>IEEE802.11a (Crest factor: 1.0)</u>

B. SAR Measurement Results

Frequency (MHz)	5200.000000
Relative permittivity (real part)	35.972980
Relative permittivity (imaginary part)	15.981619
Conductivity (S/m)	4.616912
Variation (%)	-0.570000

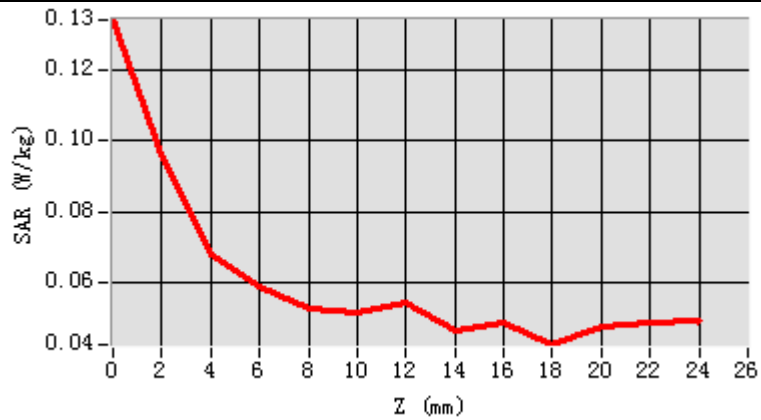


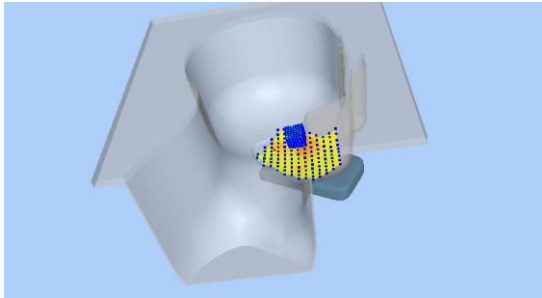
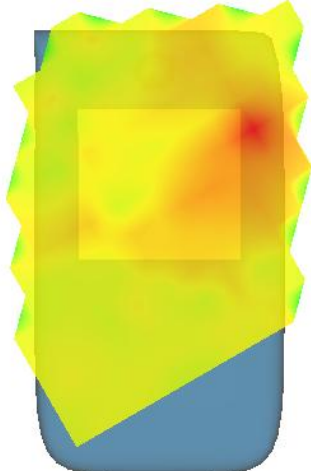
Maximum location: X=-36.00, Y=14.00

SAR Peak: 0.19 W/kg

SAR 10g (W/Kg)	0.062294
SAR 1g (W/Kg)	0.092322

Z (m m)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.1339	0.0964	0.0682	0.0591	0.0529	0.0517	0.0545	0.0470	0.0489	0.0429	0.0481	0.0492



3D screen shot	Hot spot position
	

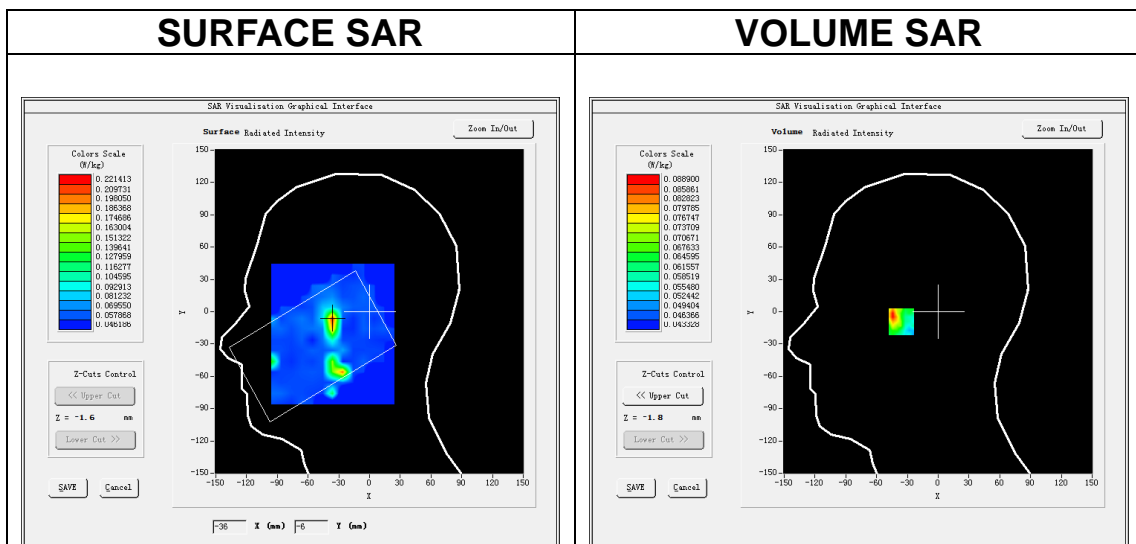
MEASUREMENT 12

A. Experimental conditions.

Area Scan	<u>dx=10mm dy=10mm, h= 2.00 mm</u>
ZoomScan	<u>7x7x12,dx=4mm dy=4mm dz=2mm</u>
Phantom	<u>Left head</u>
Device Position	<u>Cheek</u>
Band	<u>IEEE 802.11a U-NII</u>
Channels	<u>Middle</u>
Signal	<u>IEEE802.11a (Crest factor: 1.0)</u>

B. SAR Measurement Results

Frequency (MHz)	5785.000000
Relative permittivity (real part)	34.914787
Relative permittivity (imaginary part)	15.985266
Conductivity (S/m)	5.137487
Variation (%)	-0.180000

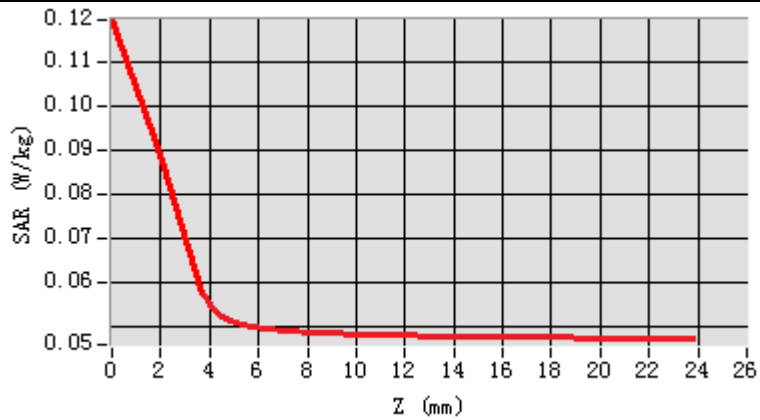


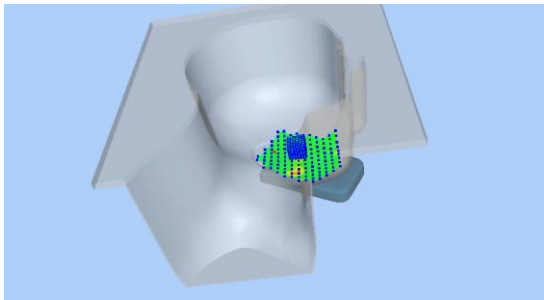
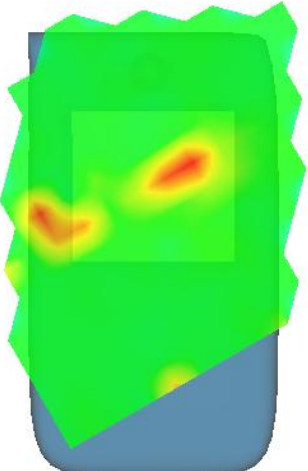
Maximum location: X=-36.00, Y=-8.00

SAR Peak: 0.15 W/kg

SAR 10g (W/Kg)	0.061051
SAR 1g (W/Kg)	0.083076

Z (m)	0.00	2.00	4.00	6.00	8.00	10.0	12.0	14.0	16.0	18.0	20.0	22.0
SAR (W/Kg)	0.1196	0.0889	0.0512	0.0511	0.0510	0.0509	0.0508	0.0507	0.0505	0.0504	0.0502	0.0501



3D screen shot	Hot spot position
	

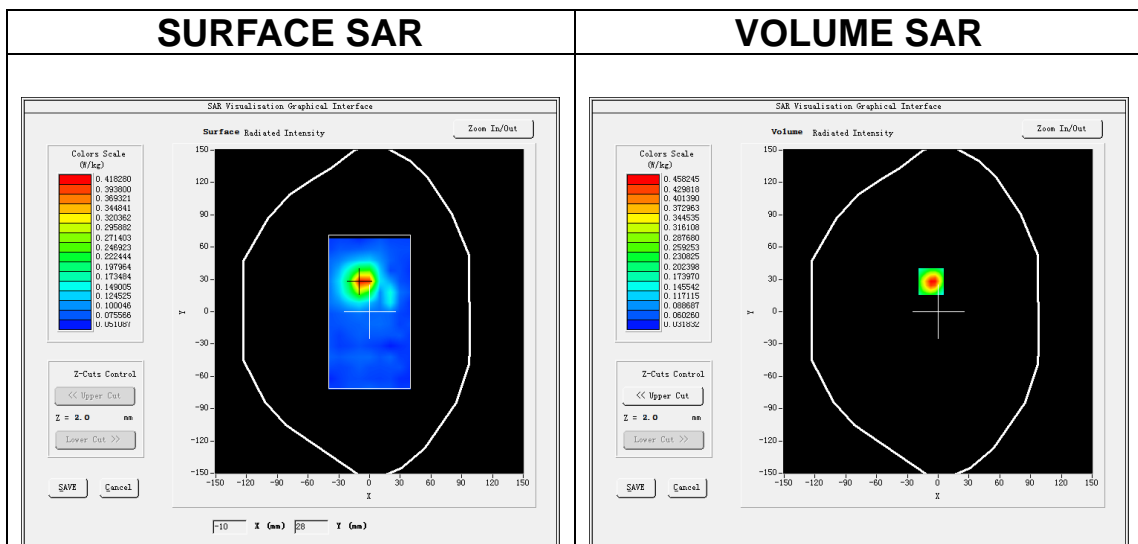
MEASUREMENT 13

A. Experimental conditions.

Area Scan	<u>dx=10mm dy=10mm, h= 2.00 mm</u>
ZoomScan	<u>7x7x12,dx=4mm dy=4mm dz=2mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body</u>
Band	<u>IEEE 802.11a U-NII</u>
Channels	<u>Middle</u>
Signal	<u>IEEE802.11a (Crest factor: 1.0)</u>

B. SAR Measurement Results

Frequency (MHz)	5200.000000
Relative permittivity (real part)	49.909538
Relative permittivity (imaginary part)	18.225510
Conductivity (S/m)	5.265147
Variation (%)	1.030000

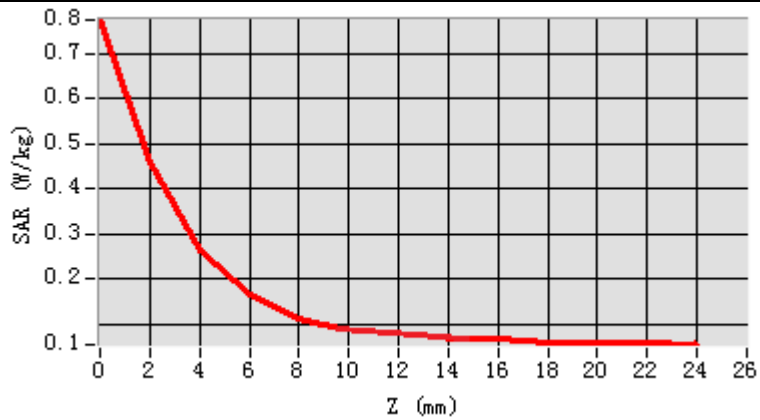


Maximum location: X=-7.00, Y=28.00

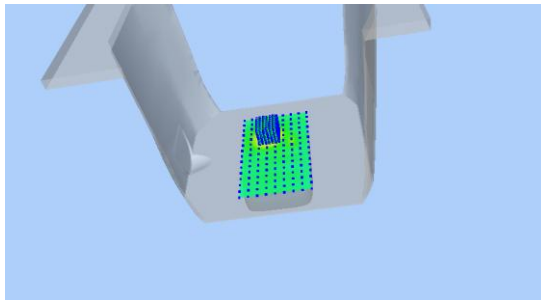
SAR Peak: 0.83 W/kg

SAR 10g (W/Kg)	0.140269
SAR 1g (W/Kg)	0.287982

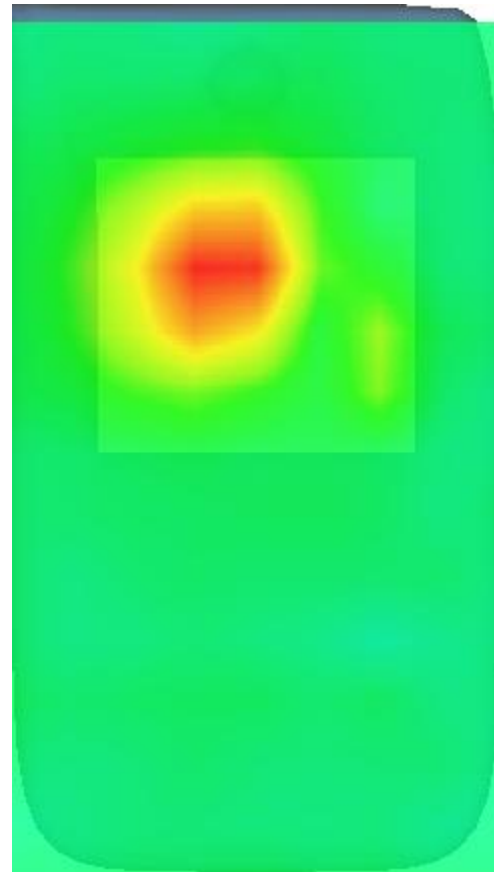
Z (m)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.7742	0.4582	0.2650	0.1668	0.1128	0.1032	0.1010	0.0866	0.0663	0.0577	0.0561	0.0600



3D screen shot



Hot spot position



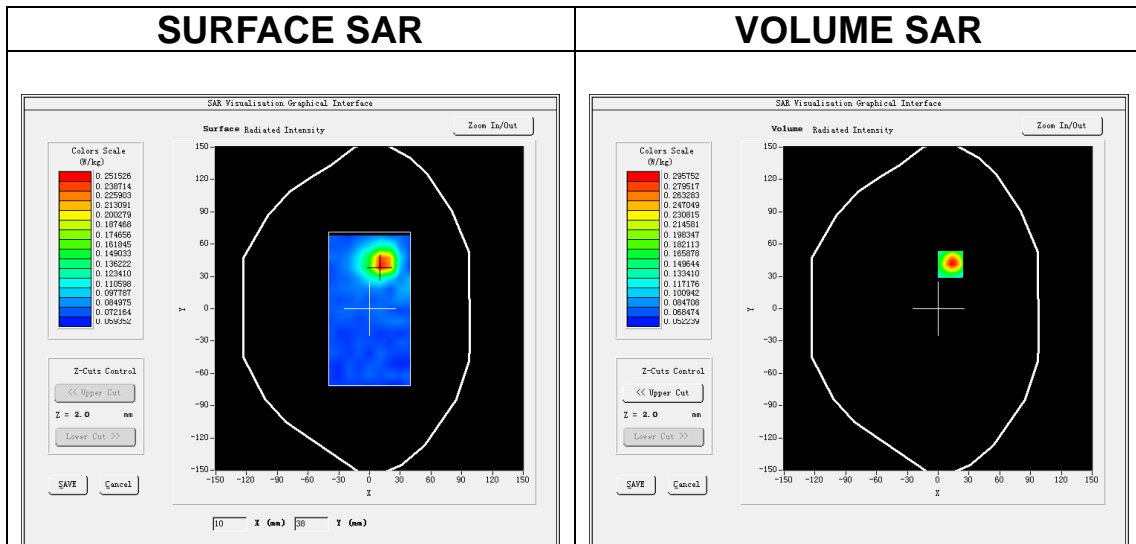
MEASUREMENT 14

A. Experimental conditions.

Area Scan	<u>dx=10mm dy=10mm, h= 2.00 mm</u>
ZoomScan	<u>7x7x12,dx=4mm dy=4mm dz=2mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body</u>
Band	<u>IEEE 802.11a U-NII</u>
Channels	<u>Middle</u>
Signal	<u>IEEE802.11a (Crest factor: 1.0)</u>

B. SAR Measurement Results

Frequency (MHz)	5785.000000
Relative permittivity (real part)	48.668701
Relative permittivity (imaginary part)	18.596766
Conductivity (S/m)	5.976794
Variation (%)	-3.840000

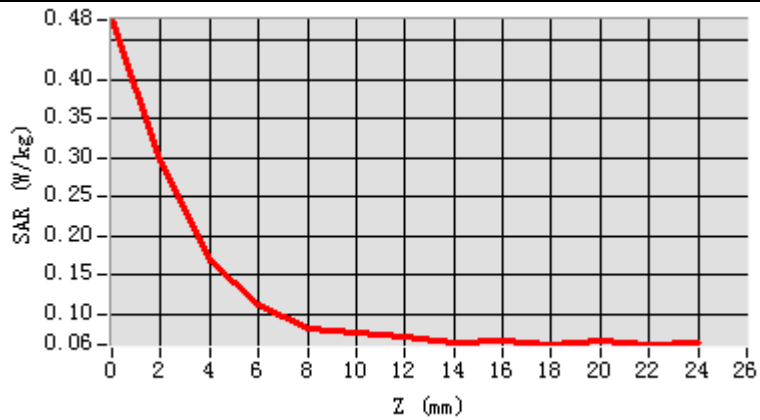


Maximum location: X=12.00, Y=41.00

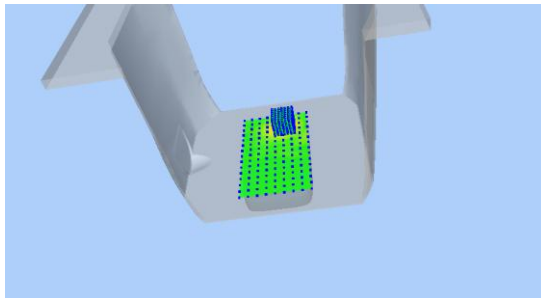
SAR Peak: 0.50 W/kg

SAR 10g (W/Kg)	0.107635
SAR 1g (W/Kg)	0.193101

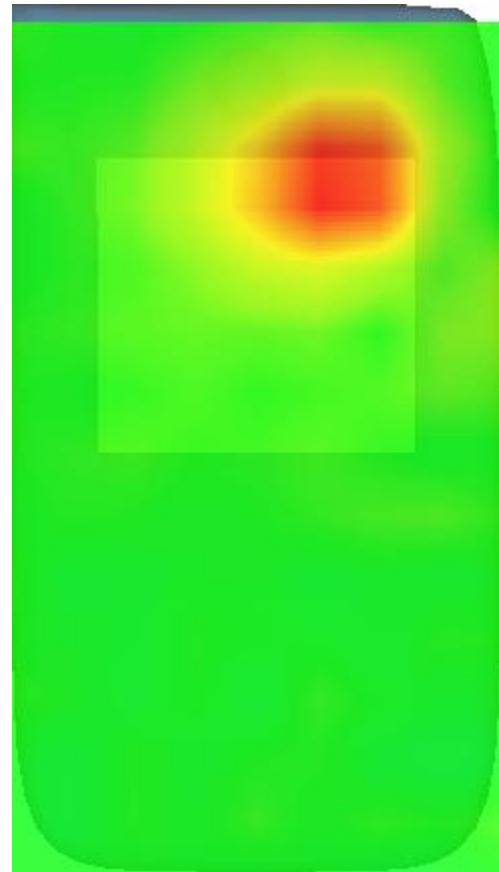
Z (m m)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.4755	0.2958	0.1692	0.1124	0.0805	0.0753	0.0704	0.0642	0.0667	0.0613	0.0662	0.0610



3D screen shot



Hot spot position



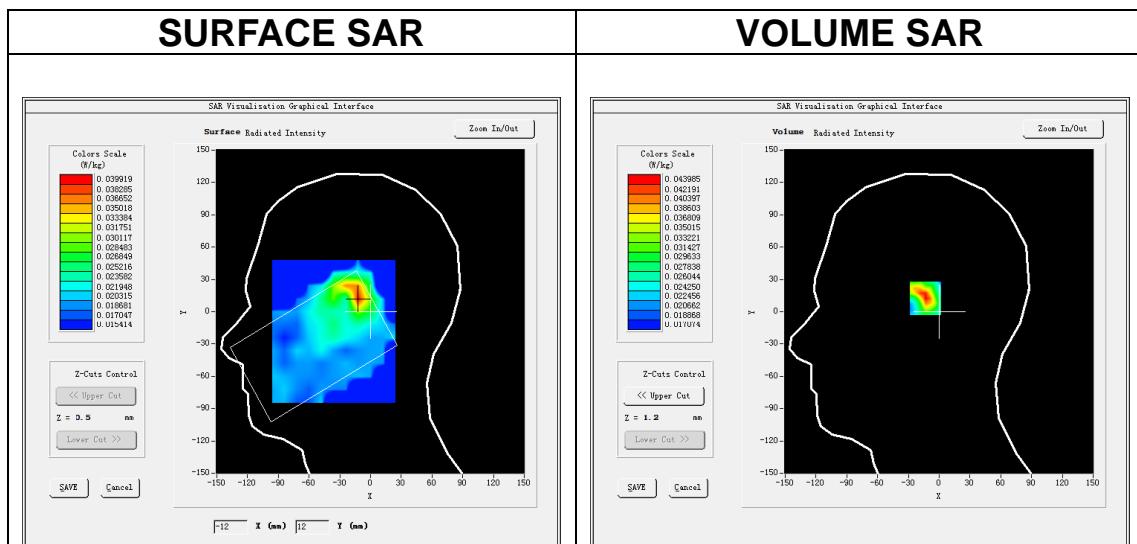
MEASUREMENT 15

A. Experimental conditions.

Area Scan	<u>dx=12mm dy=12mm, h= 5.00 mm</u>
ZoomScan	<u>7x7x7,dx=5mm dy=5mm dz=5mm</u>
Phantom	<u>Left head</u>
Device Position	<u>Cheek</u>
Band	<u>IEEE 802.11b ISM</u>
Channels	<u>Middle</u>
Signal	<u>IEEE802.11b (Crest factor: 1.0)</u>

B. SAR Measurement Results

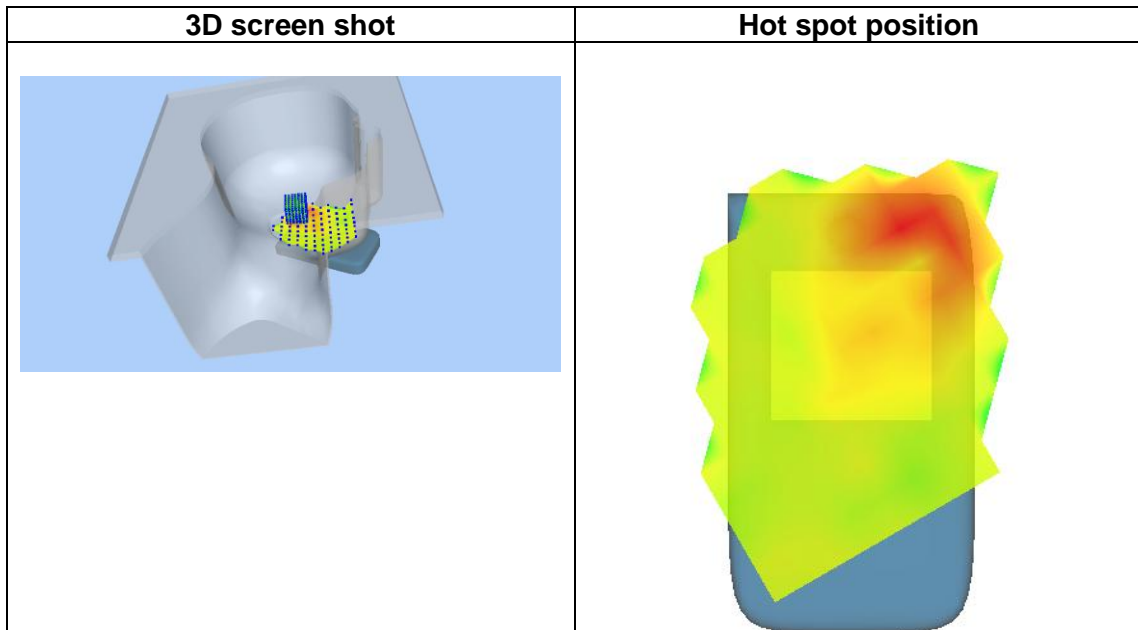
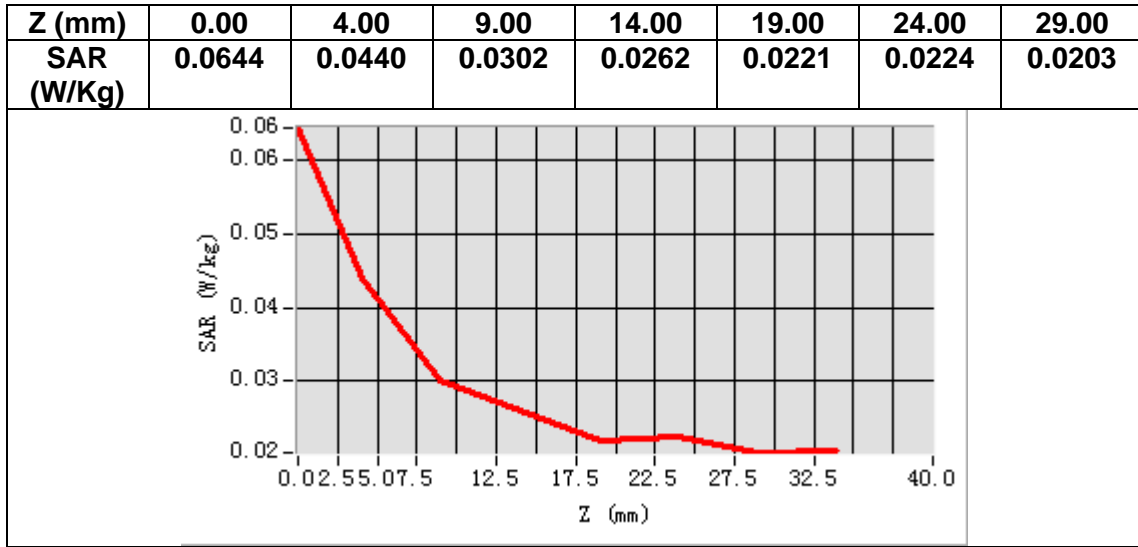
Frequency (MHz)	2437.000000
Relative permittivity (real part)	40.041000
Relative permittivity (imaginary part)	13.050300
Conductivity (S/m)	1.766866
Variation (%)	-1.600000



Maximum location: X=-11.00, Y=13.00

SAR Peak: 0.06 W/kg

SAR 10g (W/Kg)	0.029287
SAR 1g (W/Kg)	0.041203



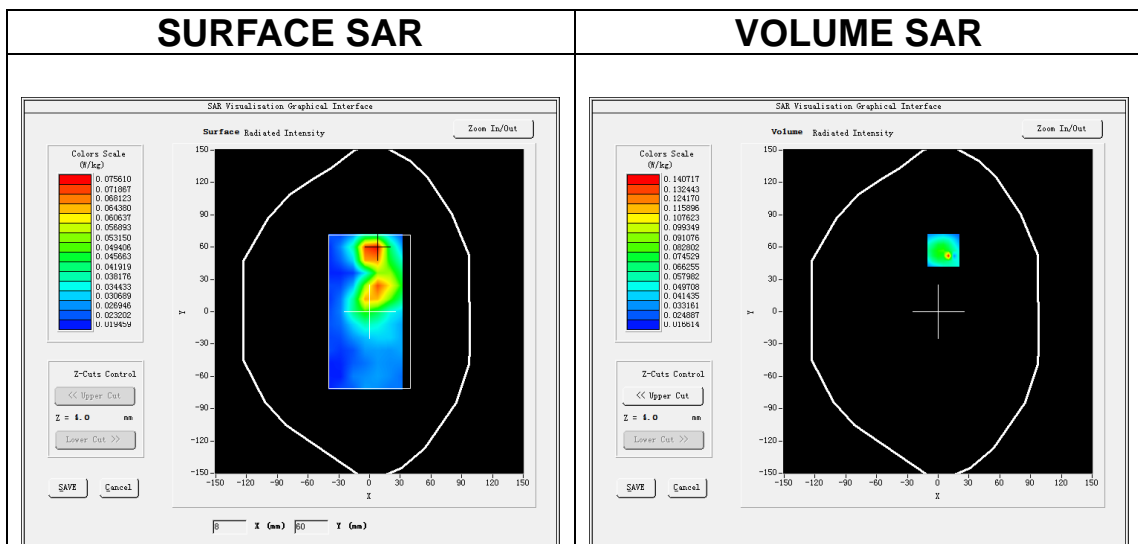
MEASUREMENT 16

A. Experimental conditions.

Area Scan	<u>dx=12mm dy=12mm, h= 5.00 mm</u>
ZoomScan	<u>7x7x7,dx=5mm dy=5mm dz=5mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body</u>
Band	<u>IEEE 802.11b ISM</u>
Channels	<u>Middle</u>
Signal	<u>IEEE802.11b (Crest factor: 1.0)</u>

B. SAR Measurement Results

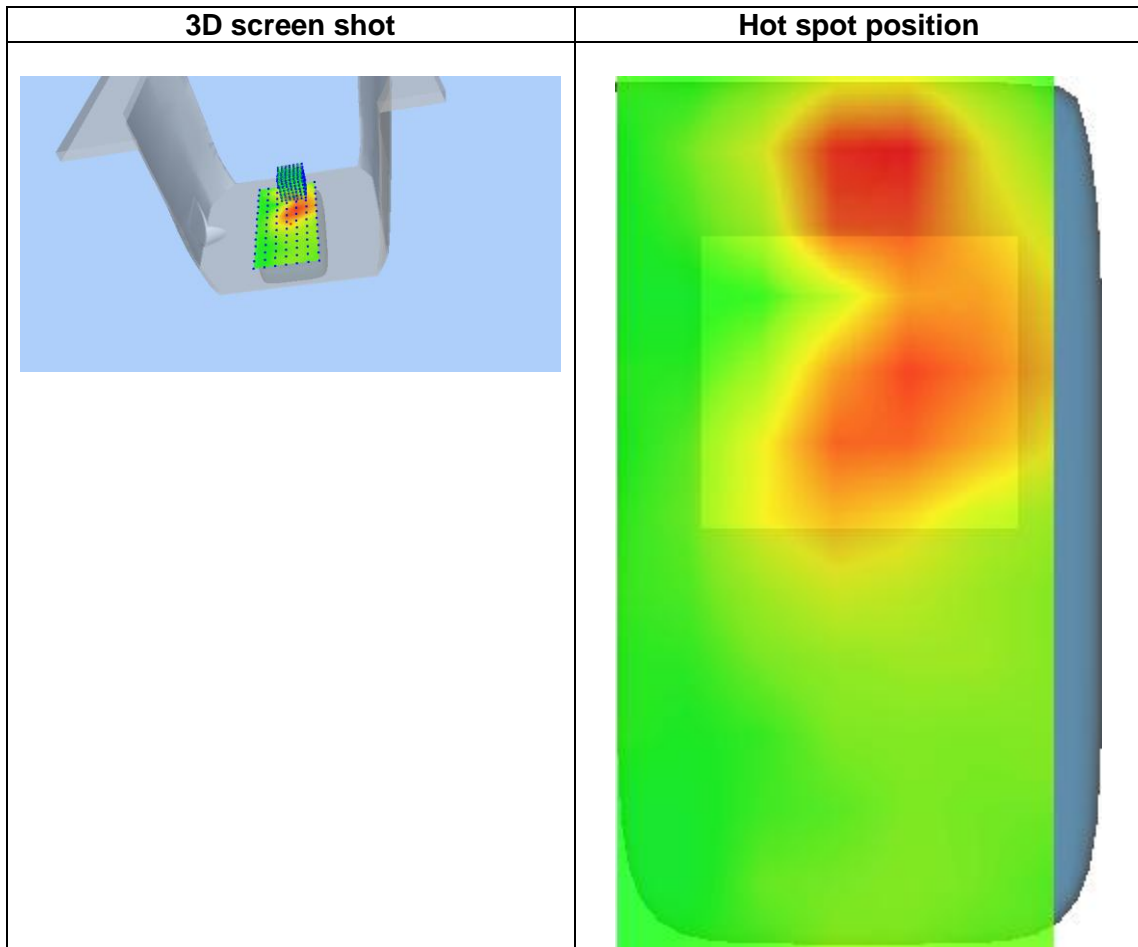
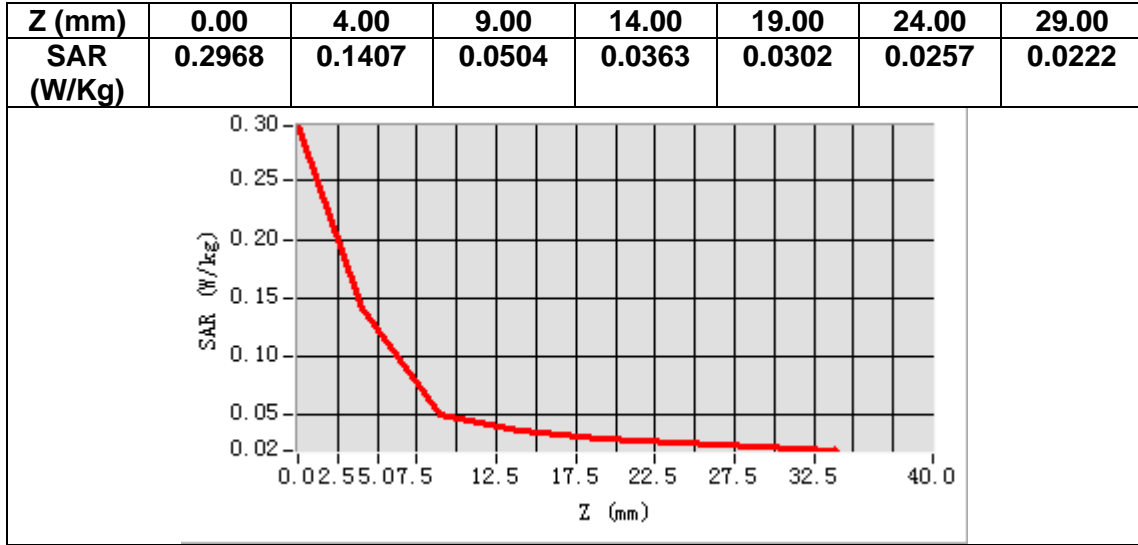
Frequency (MHz)	2437.000000
Relative permittivity (real part)	52.761600
Relative permittivity (imaginary part)	14.445620
Conductivity (S/m)	1.955776
Variation (%)	0.180000



Maximum location: X=5.00, Y=57.00

SAR Peak: 0.29 W/kg

SAR 10g (W/Kg)	0.049092
SAR 1g (W/Kg)	0.090022



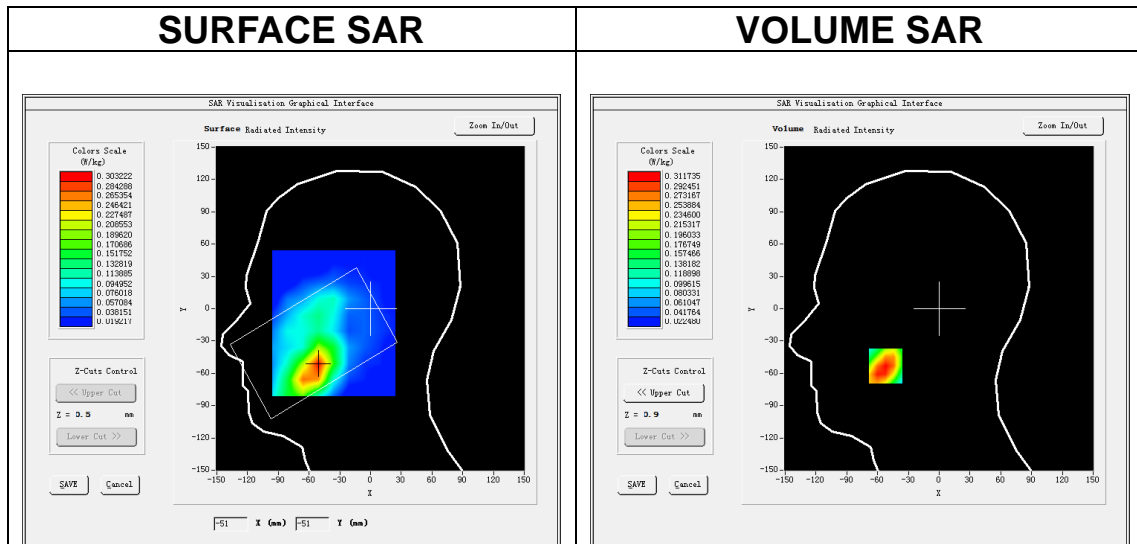
MEASUREMENT 17

A. Experimental conditions.

Area Scan	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm dz=5mm</u>
Phantom	<u>Left head</u>
Device Position	<u>Cheek</u>
Band	<u>LTE band 2</u>
Channels	<u>Middle</u>
Signal	<u>LTE (Crest factor: 1.0)</u>

B. SAR Measurement Results

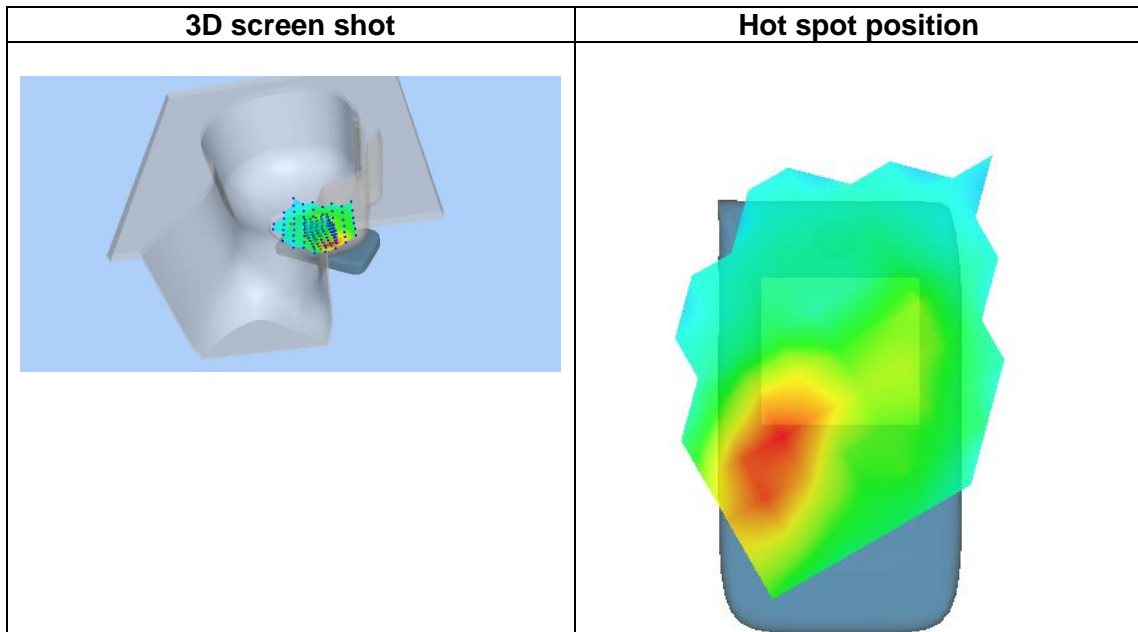
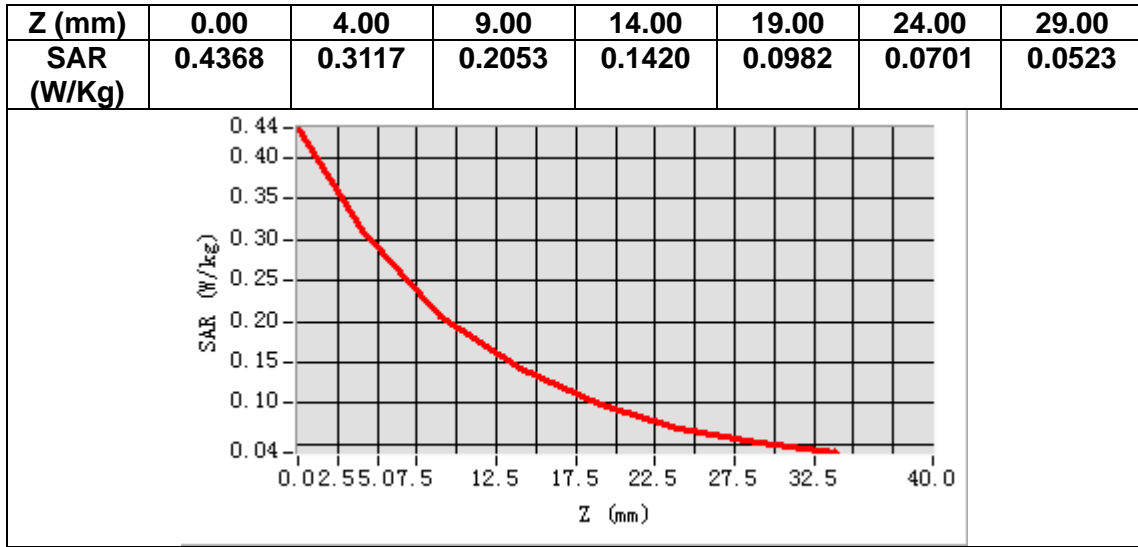
Frequency (MHz)	1880.000000
Relative permittivity (real part)	40.086948
Relative permittivity (imaginary part)	13.372750
Conductivity (S/m)	1.396338
Variation (%)	-0.210000



Maximum location: X=-52.00, Y=-53.00

SAR Peak: 0.44 W/kg

SAR 10g (W/Kg)	0.184622
SAR 1g (W/Kg)	0.301158



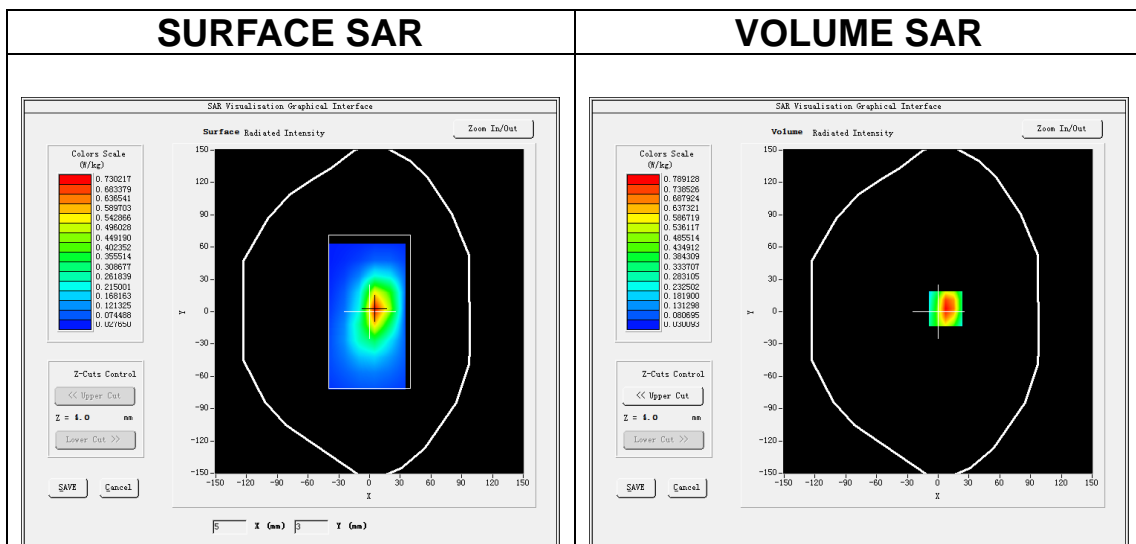
MEASUREMENT 18

A. Experimental conditions.

Area Scan	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm dz=5mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body</u>
Band	<u>LTE band 2</u>
Channels	<u>Middle</u>
Signal	<u>LTE (Crest factor: 1.0)</u>

B. SAR Measurement Results

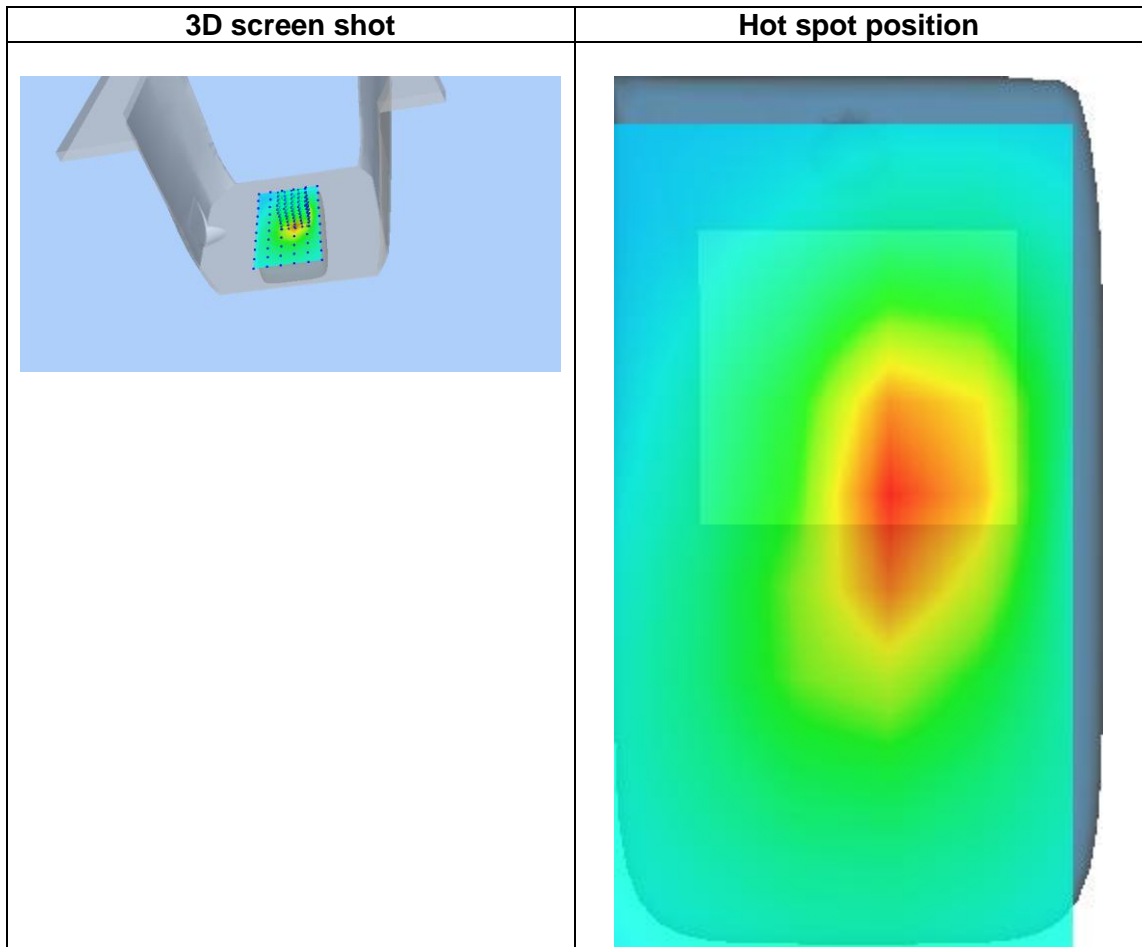
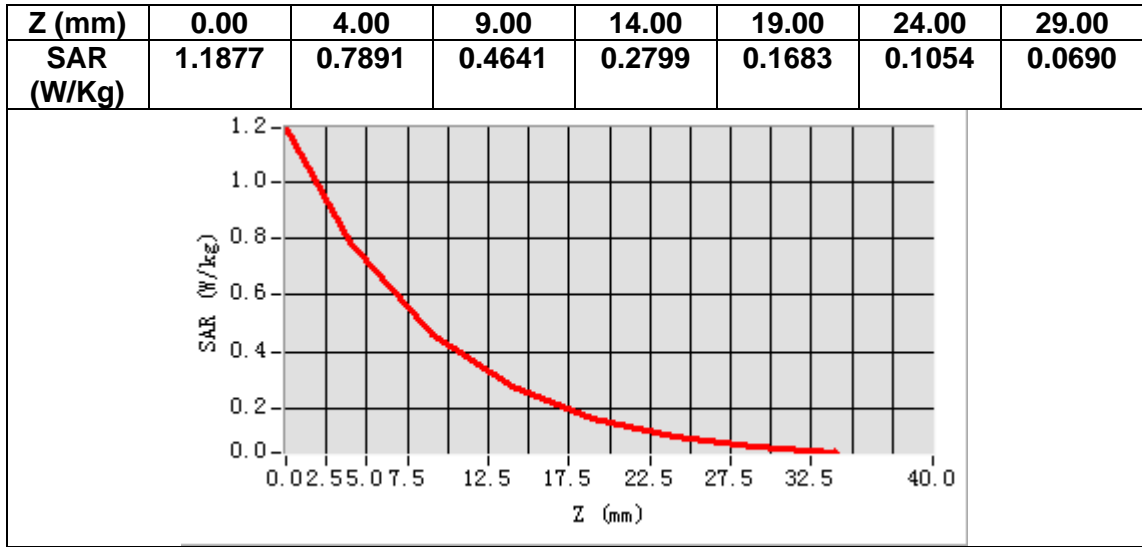
Frequency (MHz)	1880.000000
Relative permittivity (real part)	53.265949
Relative permittivity (imaginary part)	14.686150
Conductivity (S/m)	1.533479
Variation (%)	-1.500000



Maximum location: X=7.00, Y=3.00

SAR Peak: 1.23 W/kg

SAR 10g (W/Kg)	0.400804
SAR 1g (W/Kg)	0.657599



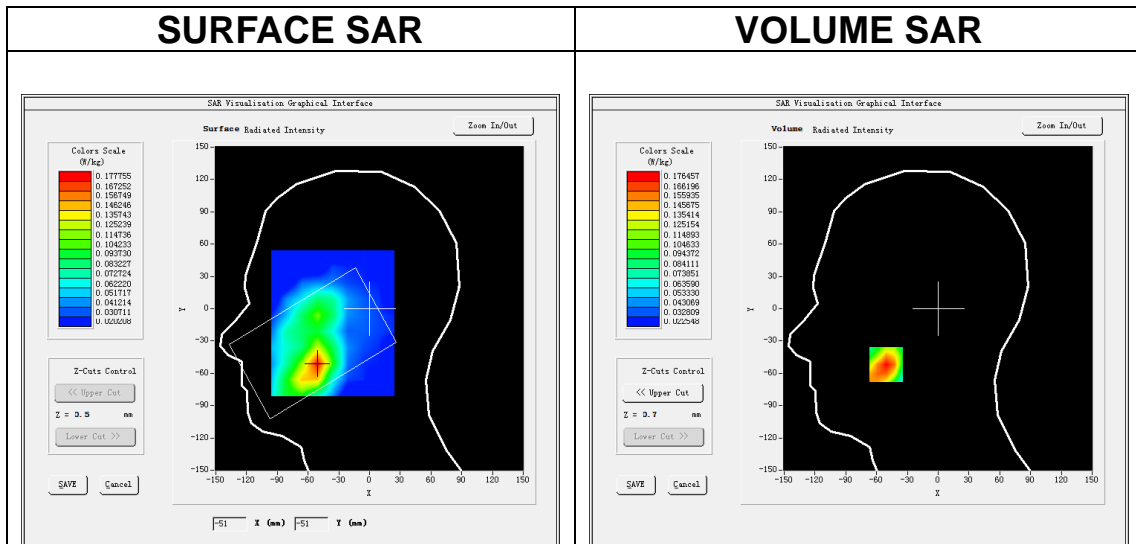
MEASUREMENT 19

A. Experimental conditions.

Area Scan	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm dz=5mm</u>
Phantom	<u>Left head</u>
Device Position	<u>Cheek</u>
Band	<u>LTE band 4</u>
Channels	<u>Middle</u>
Signal	<u>LTE (Crest factor: 1.0)</u>

B. SAR Measurement Results

Frequency (MHz)	1732.500000
Relative permittivity (real part)	40.005291
Relative permittivity (imaginary part)	13.920592
Conductivity (S/m)	1.339857
Variation (%)	3.880000



Maximum location: X=-51.00, Y=-52.00

SAR Peak: 0.25 W/kg

SAR 10g (W/Kg)	0.108614
SAR 1g (W/Kg)	0.167950

