

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 : Zmbizi Z2 4G Smart Phone

Brand Name : ZMBIZI

Model Name : Zmbizi Z2

Family Model : N/A

Report No. : STR210729001009E

FCC ID : 2AUYY-ZMBIZI-Z2

Prepared for

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TEST RESULT CERTIFICATION**Applicant's name**: ZMBIZI APP LLC

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Futian, Shenzhen**Product description**

Product name.....: Zmbizi Z2 4G Smart Phone

Brand Name: ZMBIZI

Model and/or type reference .: Zmbizi Z2

Family Model.....: N/A

FCC 47 CFR Part 2(2.1093)

ANSI/IEEE C95.1-1992

Standards: 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: Jul. 30, 2021 ~ Aug. 11, 2021

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Test Result.....: **Pass**Prepared By
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※ ※ Revision History ※ ※

REV.	DESCRIPTION	ISSUED DATE	REMARK
Rev.1.0	Initial Test Report Release	Sep. 14, 2021	Jacob Chen

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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 Zmbizi Z2 are as follows.

RF Exposure Conditions		Equipment Class -Highest Reported SAR (W/kg)			
		PCE	DTS	NII	DSS
1-g Head		0.589	0.267	0.380	N/A
1-g Body-Worn (Separation distance of 10mm)		0.710	0.110	0.198	N/A
1-g Hotspot (Separation distance of 10mm)		0.710	0.110	0.198	N/A
Max Simultaneous Tx	Head	0.969	0.856	0.969	0.694
	Body-Worn	0.908	0.820	0.908	0.763
	Hotspot	0.908	0.820	0.908	0.763

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	Zmbizi Z2 4G Smart Phone
Brand Name	ZMBIZI
Model Name	Zmbizi Z2
Family Model	N/A
FCC ID	2AUYYV-ZMBIZI-Z2
Device Phase	Identical Prototype
Exposure Category	General population / Uncontrolled environment
Antenna Type	PIFA Antenna
Battery Information	DC 3.85V
HW Version	LV970_MB_1.0_20210305
SW Version	ZMBIZI_Z2_2.0.1
Device Operating Configurations	
Supporting Mode(s)	GSM 850/1900, CDMA Band BC0/BC1, WCDMA Band 2/4/5, LTE Band 2/4/5/7/12/13/17/25/26/41/66, WLAN 2.4G/5G, Bluetooth, NFC
Test Modulation	GSM(GMSK/8PSK), CDMA(QPSK), WCDMA(QPSK), LTE(QPSK/16QAM), WLAN(DSSS/OFDM), Bluetooth(GFSK, $\pi/4$ -DQPSK, 8DPSK), NFC(ASK)

Device Class	B		
Operating Frequency Range(s)	Band	Tx (MHz)	Rx (MHz)
	GSM 850	824-849	869-894
	GSM 1900	1850-1910	1930-1990
	CDMA Band BC0	824-849	869-894
	CDMA Band BC1	1850-1910	1930-1990
	WCDMA Band 2	1850-1910	1930-1990
	WCDMA Band 4	1710-1755	2110-2155
	WCDMA Band 5	824-849	869-894
	LTE Band 2	1850-1910	1930-1990
	LTE Band 4	1710-1755	2110-2155
	LTE Band 5	824-849	869-894
	LTE Band 7	2500-2570	2620-2690
	LTE Band 12	699-716	729-746
	LTE Band 13	777-787	746-756
	LTE Band 17	704-716	734-746
	LTE Band 25	1850-1915	1930-1995
	LTE Band 26	814-849	859-894
	LTE Band 41	2570-2620	
	LTE Band 66	1710-1780	2110-2200
	WLAN 2.4G	2412-2462	
	WLAN 5.2G	5180-5240	
	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 up"(CDMA BC0)		
	3, tested with power control "all up"(CDMA BC1)		
	3, tested with power control "all 1"(WCDMA Band 2)		
	3, tested with power control "all 1"(WCDMA Band 4)		
	3, tested with power control "all 1"(WCDMA Band 5)		
	3, tested with power control all Max.(LTE Band 2)		
	3, tested with power control all Max.(LTE Band 4)		

	3, tested with power control all Max.(LTE Band 5)
	3, tested with power control all Max.(LTE Band 7)
	3, tested with power control all Max.(LTE Band 12)
	3, tested with power control all Max.(LTE Band 13)
	3, tested with power control all Max.(LTE Band 17)
	3, tested with power control all Max.(LTE Band 25)
	3, tested with power control all Max.(LTE Band 26)
	3, tested with power control all Max.(LTE Band 41)
	3, tested with power control all Max.(LTE Band 66)

1.4. Test specification(s)

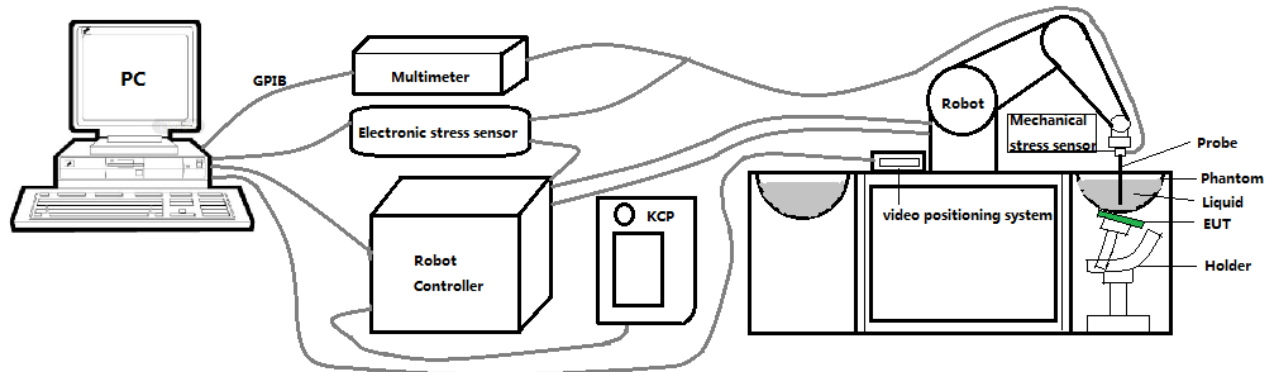
FCC 47 CFR Part 2(2.1093)
ANSI/IEEE C95.1-1992
IEEE Std 1528-2013
KDB 865664 D01 SAR measurement 100 MHz to 6 GHz
KDB 865664 D02 RF Exposure Reporting
KDB 447498 D01 General RF Exposure Guidance
KDB 248227 D01 802.11 Wi-Fi SAR
KDB 941225 D01 3G SAR Procedures
KDB 941225 D05 SAR for LTE Devices
KDB 941225 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: ± 0.01 dB
- Hemispherical Isotropy: ± 0.01 dB
- Calibration range: 650MHz to 5900MHz for head & body simulating liquid.
- Lower detection limit: 8mW/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

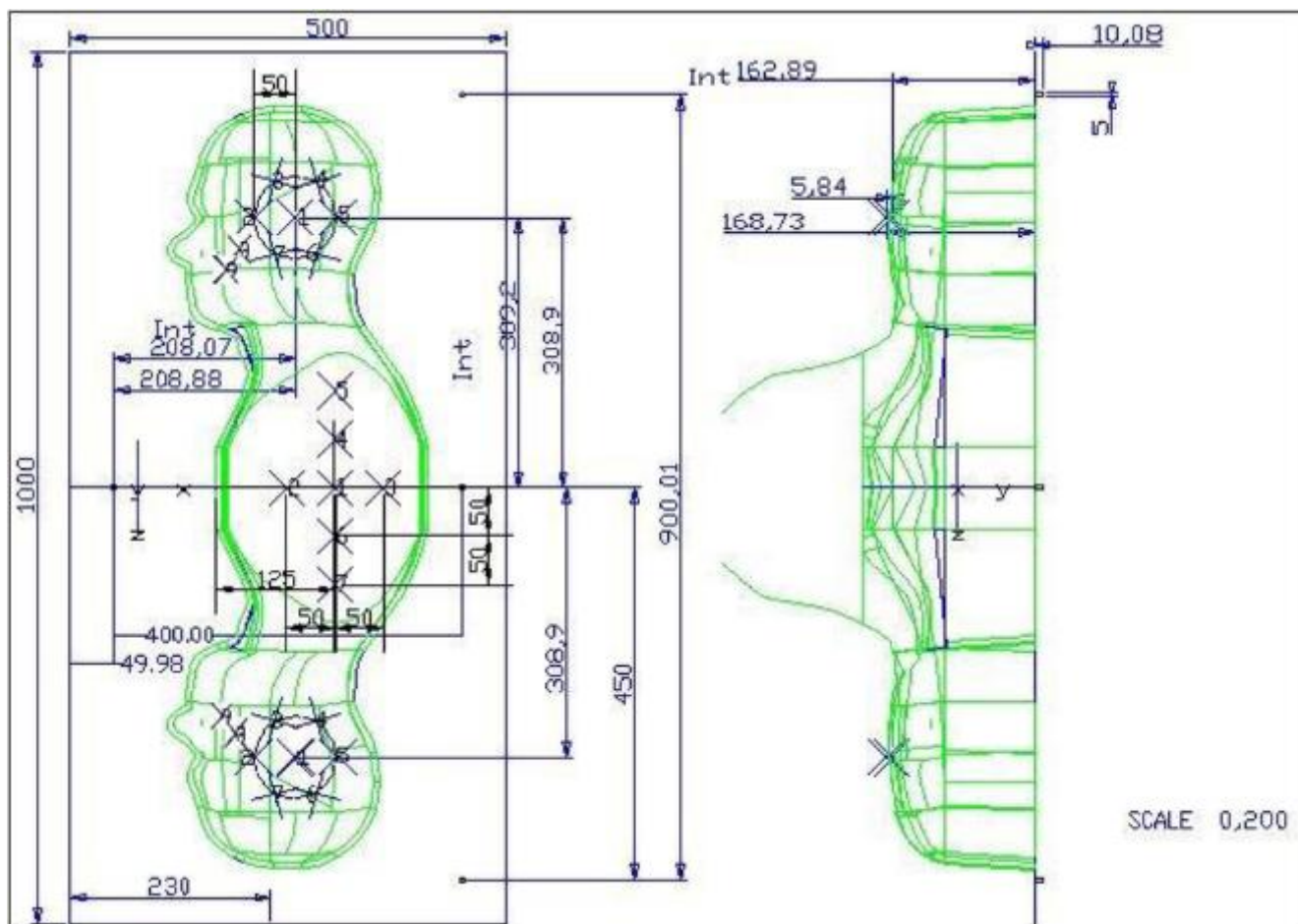
Photo of SAM phantom SN 16/15 SAM119



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 $\pm$ 0.2 mm	27 liters	Length:1000 mm Width:500 mm Height:200 mm	Gelcoat with fiberglass	3.4	0.02

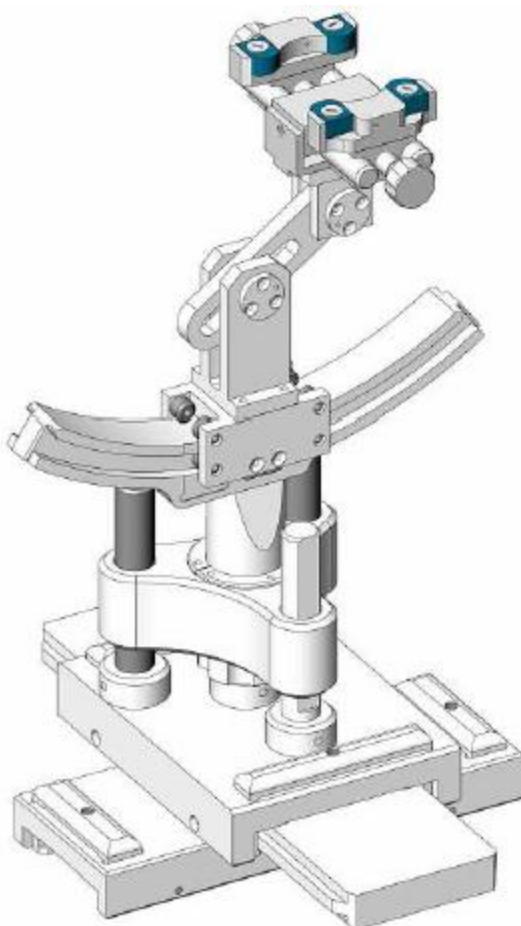


Serial Number	Left Head(mm)		Right Head(mm)		Flat Part(mm)	
SN 16/15 SAM119	2	2.02	2	2.08	1	2.09
	3	2.05	3	2.06	2	2.06
	4	2.07	4	2.07	3	2.08
	5	2.08	5	2.08	4	2.10
	6	2.05	6	2.07	5	2.10
	7	2.05	7	2.05	6	2.07
	8	2.07	8	2.06	7	2.07
	9	2.08	9	2.06	-	-

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

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
☒	MVG	E FIELD PROBE	SSE2	SN 08/16 EPGO287	Mar. 01, 2021	Feb. 28, 2022
☒	MVG	750 MHz Dipole	SID750	SN 03/15 DIP 0G750-355	Mar. 01, 2021	Feb. 28, 2024
☒	MVG	835 MHz Dipole	SID835	SN 03/15 DIP 0G835-347	Mar. 01, 2021	Feb. 28, 2024
☐	MVG	900 MHz Dipole	SID900	SN 03/15 DIP 0G900-348	Mar. 01, 2021	Feb. 28, 2024
☒	MVG	1800 MHz Dipole	SID1800	SN 03/15 DIP 1G800-349	Mar. 01, 2021	Feb. 28, 2024
☒	MVG	1900 MHz Dipole	SID1900	SN 03/15 DIP 1G900-350	Mar. 01, 2021	Feb. 28, 2024
☐	MVG	2000 MHz Dipole	SID2000	SN 03/15 DIP 2G000-351	Mar. 01, 2021	Feb. 28, 2024
☒	MVG	2450 MHz Dipole	SID2450	SN 03/15 DIP 2G450-352	Mar. 01, 2021	Feb. 28, 2024
☒	MVG	2600 MHz Dipole	SID2600	SN 03/15 DIP 2G600-356	Mar. 01, 2021	Feb. 28, 2024
☒	MVG	5000 MHz Dipole	SWG5500	SN 13/14 WGA 33	Mar. 01, 2021	Feb. 28, 2024
☒	MVG	Liquid measurement Kit	SCLMP	SN 21/15 OCPG 72	NCR	NCR
☒	MVG	Power Amplifier	N.A	AMPLISAR_28/14_003	NCR	NCR
☒	KEITHLEY	Millivoltmeter	2000	4072790	NCR	NCR
☒	R&S	Universal radio communication tester	CMU200	117858	Jul. 01, 2021	Jun. 30, 2022
☒	R&S	Wideband radio communication tester	CMW500	103917	Jul. 01, 2021	Jun. 30, 2022
☒	HP	Network Analyzer	8753D	3410J01136	Jul. 01, 2021	Jun. 30, 2022
☒	Agilent	PSG Analog Signal Generator	E8257D	MY51110112	Jul. 01, 2021	Jun. 30, 2022

☒	Agilent	Power meter	E4419B	MY45102538	Jul. 01, 2021	Jun. 30, 2022
☒	Agilent	Power sensor	E9301A	MY41495644	Jul. 01, 2021	Jun. 30, 2022
☒	Agilent	Power sensor	E9301A	US39212148	Jul. 01, 2021	Jun. 30, 2022
☒	MCLI/USA	Directional Coupler	CB11-20	0D2L51502	Jul. 17, 2020	Jul. 16, 2023

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 Wi-Fi/BT power measurement, use engineering software to configure EUT Wi-Fi/BT 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 Wi-Fi/BT output power.

<SAR measurement>

- (a) Use base station simulator to configure EUT WWAN transmission in radiated connection, and engineering software to configure EUT Wi-Fi/BT 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	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 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

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.

Photo of Liquid depth for Head Position	Photo of Liquid depth for Body Position
	

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.

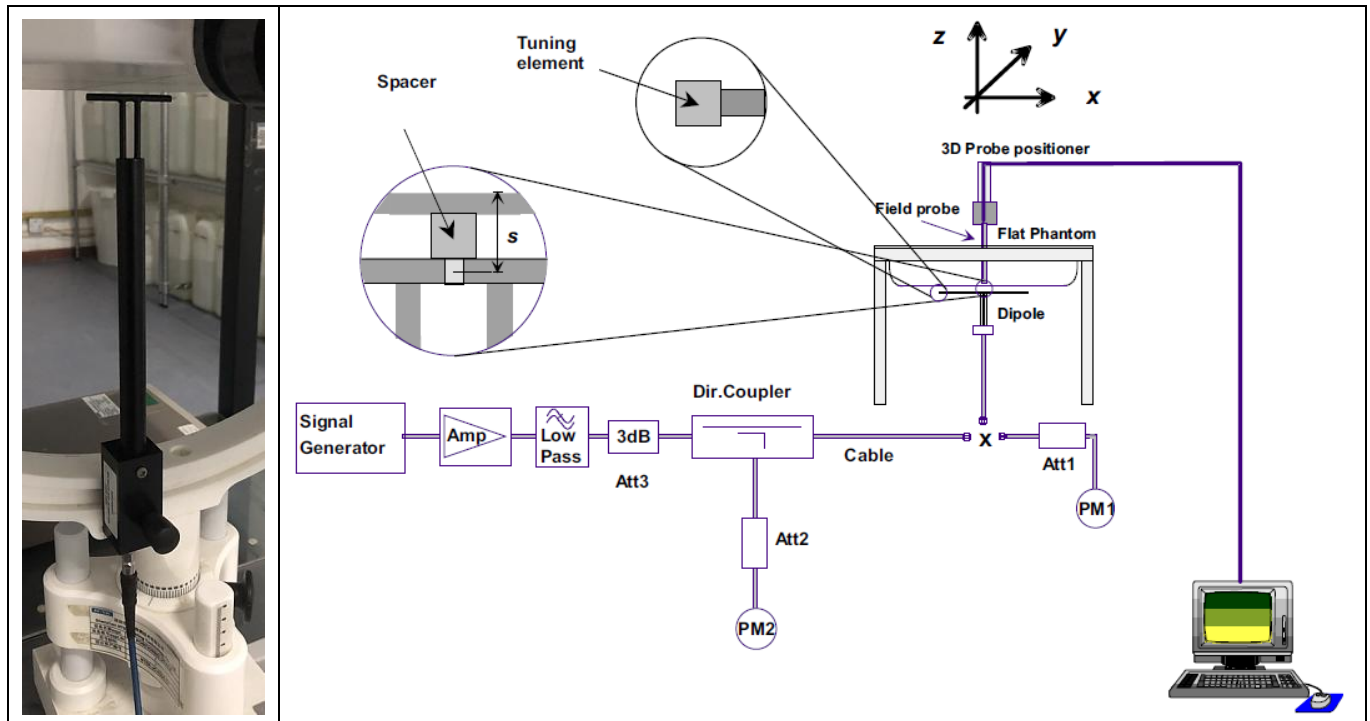
Tissue Type	Measured Frequency (MHz)	Target Tissue		Measured Tissue		Liquid Temp.	Test Date
		$\epsilon_r (\pm 5\%)$	σ (S/m) ($\pm 5\%$)	ϵ_r	σ (S/m)		
Head 750	750	41.96 (39.86~44.06)	0.89 (0.85~0.93)	41.47	0.89	21.5 °C	Aug. 09, 2021
Head 850	835	41.50 (39.43~43.58)	0.90 (0.86~0.95)	42.68	0.91	21.5 °C	Aug. 02, 2021
Head 1800	1800	40.00 (38.00~42.00)	1.40 (1.33~1.47)	39.36	1.40	21.7 °C	Jul. 30, 2021
Head 1900	1900	40.00 (38.00~42.00)	1.40 (1.33~1.47)	38.08	1.44	21.5 °C	Aug. 03, 2021
Head 2450	2450	39.20 (37.24~41.16)	1.80 (1.71~1.89)	40.89	1.78	21.5 °C	Aug. 01, 2021
Head 2600	2600	39.01 (37.06~40.96)	1.96 (1.86~2.06)	39.86	2.01	21.4 °C	Aug. 06, 2021
Head 5200	5200	36.00 (34.20~37.80)	4.66 (4.43~4.89)	36.65	4.71	21.4 °C	Aug. 10, 2021
Head 5800	5800	35.30 (33.54~37.07)	5.27 (5.01~5.53)	35.98	5.28	21.6 °C	Aug. 11, 2021

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	8.53 (7.68~9.38)	5.56 (5.01~6.11)	8.14	5.63	21.5 °C	Aug. 09, 2021
835MHz	9.84 (8.86~10.82)	6.22 (5.60~6.84)	9.68	6.07	21.5 °C	Aug. 02, 2021
1800MHz	37.96 (34.17~41.75)	19.81 (17.83~21.79)	39.55	19.88	21.7 °C	Jul. 30, 2021
1900MHz	40.37 (36.34~44.40)	20.48 (18.44~22.52)	42.18	21.47	21.5 °C	Aug. 03, 2021
2450MHz	53.69 (48.33~59.05)	23.94 (21.55~26.33)	54.18	24.84	21.5 °C	Aug. 01, 2021
2600MHz	55.83 (50.25~61.41)	24.19 (21.78~26.60)	53.75	24.11	21.4 °C	Aug. 06, 2021
5200MHz	162.34 (146.11~178.57)	55.42 (49.88~60.96)	167.50	57.14	21.4 °C	Aug. 10, 2021
5800MHz	178.89 (161.01~196.77)	59.32 (53.39~65.25)	184.49	60.37	21.6 °C	Aug. 11, 2021

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 ($\sim 10\%$ 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.

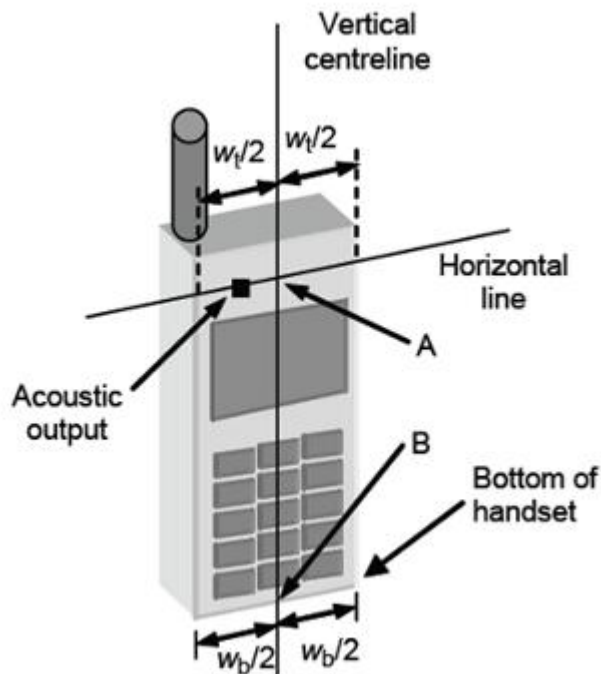


Fig 6.2.1 Handset vertical and horizontal reference lines—"fixed case"

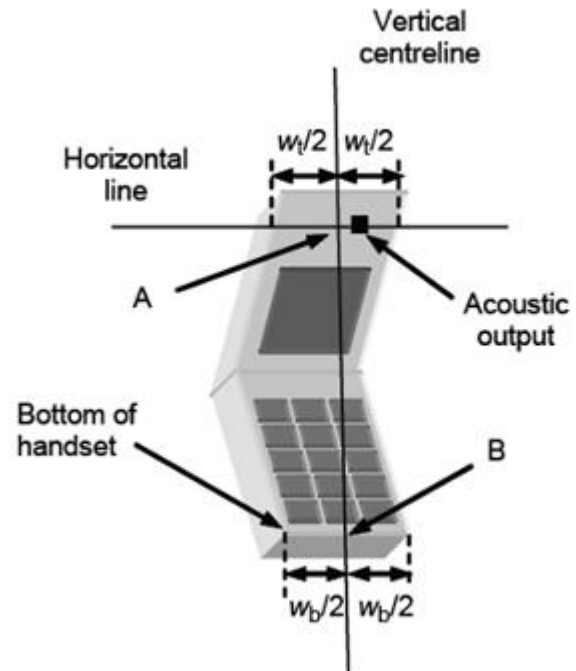


Fig 6.2.2 Handset vertical and horizontal reference lines—"clam-shell case"

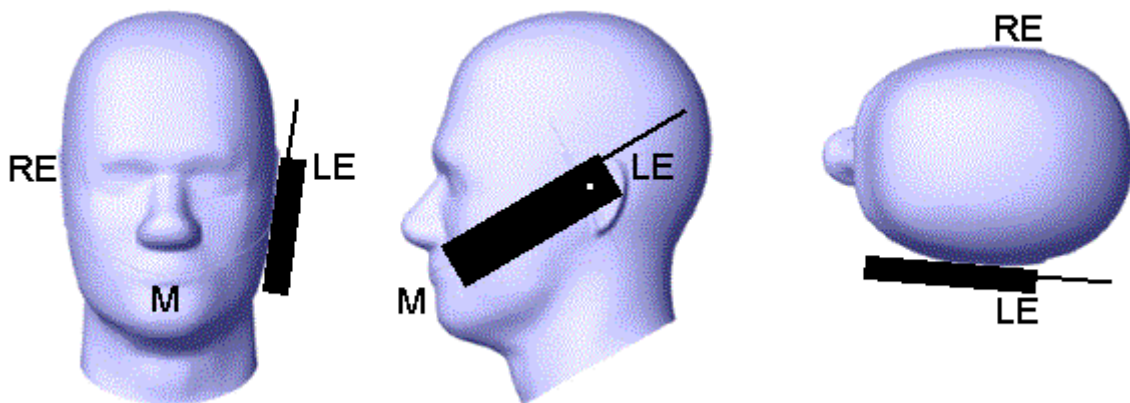


Fig 6.2.3 cheek or touch position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which establish the Reference Plane for handset positioning, are indicated.

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.

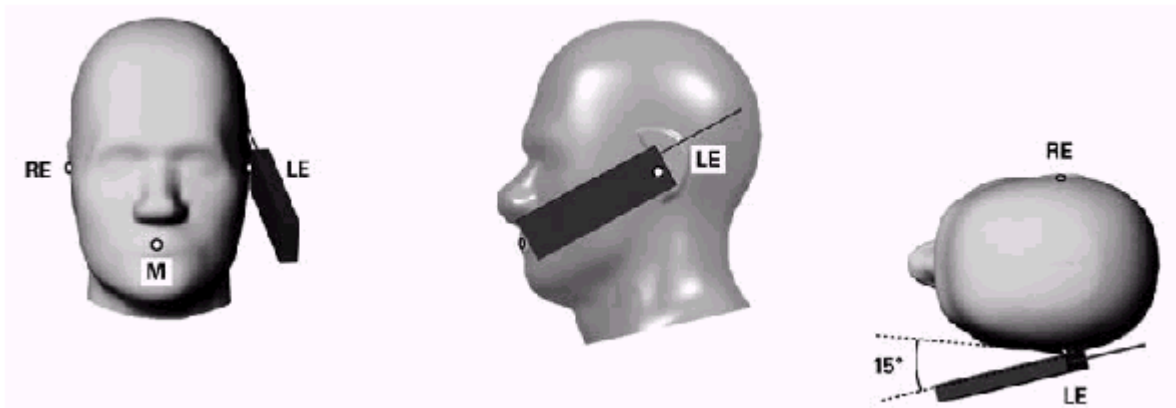


Figure 6.3.1 – Tilt position of the wireless device on the left side of SAM

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.

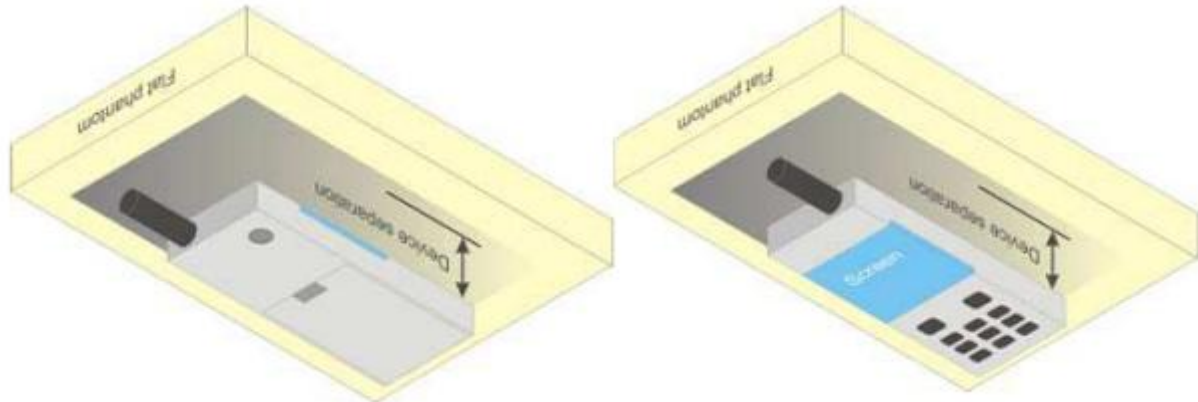


Figure 6.4.1 – Test positions for body-worn devices

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. 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)	33.00	32.79	32.83	32.69	23.97	23.76	23.80	23.66
GPRS(GMSK, 1 TS)	33.00	32.82	32.88	32.72	23.97	23.79	23.85	23.69
GPRS(GMSK, 2 TS)	32.50	32.09	32.12	31.96	26.48	26.07	26.10	25.94
GPRS(GMSK, 3 TS)	30.50	30.33	30.36	30.19	26.24	26.07	26.10	25.93
GPRS(GMSK, 4 TS)	29.50	29.24	29.26	29.11	26.49	26.23	26.25	26.10
EDGE(GMSK, 1 TS)	27.00	26.79	26.77	26.87	17.97	17.76	17.74	17.84
EDGE(GMSK, 2 TS)	26.00	25.83	25.89	25.63	19.98	19.81	19.87	19.61
EDGE(GMSK, 3 TS)	24.50	24.13	23.72	23.54	20.24	19.87	19.46	19.28
EDGE(GMSK, 4 TS)	23.00	22.85	22.33	22.26	19.99	19.84	19.32	19.25
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)	31.00	30.62	30.50	30.32	21.97	21.59	21.47	21.29
GPRS(GMSK, 1 TS)	31.00	30.65	30.50	30.33	21.97	21.62	21.47	21.30
GPRS(GMSK, 2 TS)	30.00	29.71	29.53	29.35	23.98	23.69	23.51	23.33
GPRS(GMSK, 3 TS)	28.00	27.71	27.51	27.36	23.74	23.45	23.25	23.10
GPRS(GMSK, 4 TS)	27.00	26.59	26.41	26.24	23.99	23.58	23.40	23.23
EDGE(GMSK, 1 TS)	26.00	25.82	25.87	25.34	16.97	16.79	16.84	16.31
EDGE(GMSK, 2 TS)	25.50	24.95	25.45	25.40	19.48	18.93	19.43	19.38
EDGE(GMSK, 3 TS)	24.00	22.92	23.90	23.42	19.74	18.66	19.64	19.16
EDGE(GMSK, 4 TS)	22.50	22.06	22.31	22.46	19.49	19.05	19.30	19.45

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

7.2. CDMA Conducted Power

Band	CDMA Band BC0			
Tx Channel	Tune-up	1013	384	777
Frequency (MHz)		824.7	836.52	848.31

1xRTT(RC1,SO55)	25.50	24.12	24.18	24.14
1xRTT(RC3,SO55)	25.50	25.13	25.46	25.32
1xRTT(RC3,SO32(+F-SCH))	25.50	25.28	25.50	25.10
1xEV-Do Rel.0	25.50	25.20	25.42	25.31
1xEV-Do Rev.A	25.50	25.09	25.25	25.21
Band	CDMA Band BC1			
Tx Channel	Tune-up	25	600	1175
Frequency (MHz)		1851.25	1880	1908.75
1xRTT(RC1,SO55)	24.50	22.13	22.29	22.44
1xRTT(RC3,SO55)	24.50	23.76	23.77	23.70
1xRTT(RC3,SO32(+F-SCH))	24.50	23.87	24.21	24.13
1xEV-Do Rel.0	24.50	23.95	23.96	23.84
1xEV-Do Rev.A	24.50	23.88	24.16	24.03

7.3. WCDMA Conducted Power

Band	WCDMA Band 2			
Tx Channel	Tune-up	9262	9400	9538
Frequency (MHz)		1852.4	1880	1907.6
RMC 12.2Kbps	24.00	23.58	23.65	23.66
HSDPA Subtest-1	23.00	22.64	22.70	22.73
HSDPA Subtest-2	22.50	22.20	22.48	22.31
HSDPA Subtest-3	21.50	20.67	21.24	20.97
HSDPA Subtest-4	21.50	21.14	21.08	20.78
HSUPA Subtest-1	23.00	21.73	22.51	22.49
HSUPA Subtest-2	23.00	22.46	22.67	22.64
HSUPA Subtest-3	21.50	20.66	21.31	21.28
HSUPA Subtest-4	23.00	22.62	22.70	22.72
HSUPA Subtest-5	22.50	21.26	21.78	22.04
Band	WCDMA Band 4			
Tx Channel	Tune-up	1312	1413	1513
Frequency (MHz)		1712.4	1732.6	1752.6
RMC 12.2Kbps	24.00	23.74	23.69	23.83
HSDPA Subtest-1	23.00	22.80	22.74	22.88
HSDPA Subtest-2	22.50	22.48	22.41	22.40
HSDPA Subtest-3	22.00	21.40	21.42	21.54
HSDPA Subtest-4	21.50	21.47	21.00	21.20
HSUPA Subtest-1	23.00	21.89	22.55	22.63
HSUPA Subtest-2	23.00	22.75	22.62	22.81
HSUPA Subtest-3	22.00	21.16	21.64	21.51

HSUPA Subtest-4	23.00	22.82	22.72	22.89
HSUPA Subtest-5	22.50	21.49	22.00	22.28
Band	WCDMA Band 5			
Tx Channel	Tune-up	4132	4182	4233
Frequency (MHz)		826.4	836.4	846.6
RMC 12.2Kbps	24.00	23.58	23.45	23.33
HSDPA Subtest-1	23.00	22.59	22.46	22.38
HSDPA Subtest-2	22.50	22.01	21.92	21.67
HSDPA Subtest-3	21.50	21.08	21.05	20.85
HSDPA Subtest-4	21.00	20.89	20.79	20.87
HSUPA Subtest-1	22.50	21.43	22.22	22.08
HSUPA Subtest-2	23.00	22.55	22.36	22.15
HSUPA Subtest-3	21.50	20.49	20.93	21.40
HSUPA Subtest-4	23.00	22.59	22.49	22.36
HSUPA Subtest-5	22.00	21.40	21.88	21.63

7.4. LTE Conducted Power

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 2	1.4MHz	QPSK	1	0	24.00	23.98	23.11	23.16
			1	2	24.00	23.20	23.13	23.29
			1	5	24.00	23.06	23.10	23.14
			3	0	23.50	23.08	23.15	23.22
			3	1	23.50	23.09	23.16	23.25
			3	2	23.50	23.08	23.15	23.22
			6	0	22.50	22.04	22.08	22.21
		16QAM	1	0	22.50	21.89	22.25	22.33
			1	2	22.50	22.02	22.34	22.45
			1	5	22.50	21.91	22.24	22.31
			3	0	22.50	22.20	22.31	22.38
			3	1	22.50	22.18	22.34	22.42
			3	2	22.50	22.21	22.29	22.39
			6	0	21.50	21.22	21.27	21.37
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		18615/1851.5	18900/1880	19185/1908.5
LTE	3MHz	QPSK	1	0	24.00	23.09	23.17	23.20

Band 2			1	7	24.00	23.44	23.41	23.51
			1	14	24.00	23.15	23.11	23.29
			8	0	22.50	22.10	22.16	22.27
			8	4	22.50	22.14	22.15	22.31
			8	7	22.50	22.12	22.16	22.28
			15	0	22.50	22.06	22.11	22.24
		16QAM	1	0	23.00	21.99	22.59	22.43
			1	7	23.00	22.27	22.87	22.71
			1	14	23.00	21.97	22.53	22.40
			8	0	21.50	21.08	21.19	21.28
			8	4	21.50	21.10	21.19	21.30
			8	7	21.50	21.07	21.16	21.25
			15	0	21.50	21.14	21.13	21.19
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 2	5MHz	QPSK	1	0	24.00	22.93	23.08	23.18
			1	12	24.00	23.38	23.68	23.61
			1	24	24.00	22.94	23.07	23.19
			12	0	22.50	22.09	22.08	22.26
			12	6	22.50	22.13	22.18	22.31
			12	11	22.50	22.09	22.15	22.22
			25	0	22.50	22.09	22.16	22.24
		16QAM	1	0	23.00	22.26	22.58	22.47
			1	12	23.00	22.72	22.99	22.86
			1	24	23.00	22.31	22.59	22.43
			12	0	21.50	21.11	21.16	21.13
			12	6	21.50	21.16	21.19	21.23
			12	11	21.50	21.16	21.10	21.18
			25	0	21.50	21.07	21.14	21.27
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		18650/1855	18900/1880	19150/1905
LTE Band 2	10MHz	QPSK	1	0	24.00	23.10	23.14	23.24
			1	24	24.00	23.19	23.26	23.39
			1	49	24.00	23.16	23.11	23.26
			25	0	22.50	22.13	22.22	22.28
			25	12	22.50	22.13	22.18	22.26

			25	24	22.50	22.18	22.17	22.25
			50	0	22.50	22.13	22.20	22.23
		16QAM	1	0	23.00	22.47	22.38	22.05
			1	24	23.00	22.62	22.46	22.25
			1	49	23.00	22.51	22.33	22.08
			25	0	21.50	21.15	21.22	21.31
			25	12	21.50	21.15	21.20	21.25
			25	24	21.50	21.21	21.19	21.28
			50	0	21.50	21.20	21.26	21.23
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		18675/1857.5	18900/1880	19125/1902.5
LTE Band 2	15MHz	QPSK	1	0	24.00	23.03	23.16	23.14
			1	37	24.00	23.40	23.41	23.52
			1	74	24.00	23.07	23.03	23.12
			36	0	22.50	22.16	22.23	22.31
			36	18	22.50	22.23	22.22	22.31
			36	37	22.50	22.25	22.19	22.29
			75	0	22.50	22.19	22.21	22.31
		16QAM	1	0	23.00	22.45	22.34	22.29
			1	37	23.00	22.86	22.55	22.55
			1	74	23.00	22.50	22.23	22.27
			36	0	21.50	21.16	21.26	21.23
			36	18	21.50	21.23	21.26	21.22
			36	37	21.50	21.25	21.25	21.26
			75	0	21.50	21.20	21.20	21.30
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		18700/1860	18900/1880	19100/1900
LTE Band 2	20MHz	QPSK	1	0	24.00	23.02	23.13	23.15
			1	49	24.00	23.27	23.27	23.34
			1	99	24.00	23.06	23.07	23.18
			50	0	22.50	22.11	22.17	22.33
			50	24	22.50	22.15	22.18	22.25
			50	49	22.50	22.18	22.14	22.14
			100	0	22.50	22.12	22.19	22.25
		16QAM	1	0	23.00	22.24	22.37	22.43
			1	49	23.00	22.47	22.47	22.63

			1	99	23.00	22.38	22.29	22.43
			50	0	21.50	21.07	21.24	21.38
			50	24	21.50	21.17	21.25	21.31
			50	49	21.50	21.20	21.17	21.26
			100	0	21.50	21.18	21.20	21.27

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 4	1.4MHz	QPSK	1	0	24.50	24.02	23.86	24.00
			1	2	24.50	24.13	24.06	24.13
			1	5	24.50	24.12	23.87	23.97
			3	0	24.50	24.11	24.04	24.05
			3	1	24.50	24.10	24.03	24.05
			3	2	24.50	24.12	23.99	24.01
			6	0	23.50	23.03	22.96	23.05
		16QAM	1	0	23.50	23.15	23.08	22.80
			1	2	23.50	23.34	23.20	22.96
			1	5	23.50	23.16	23.07	22.81
			3	0	23.50	23.28	23.21	23.15
			3	1	23.50	23.30	23.16	23.16
			3	2	23.50	23.27	23.22	23.21
			6	0	22.50	22.26	22.09	22.22
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 Band 4	3MHz	QPSK	1	0	24.50	24.03	23.99	23.98
			1	7	24.50	24.32	24.21	24.31
			1	14	24.50	24.03	23.88	24.04
			8	0	23.50	23.02	22.92	23.04
			8	4	23.50	23.02	23.03	23.05
			8	7	23.50	23.02	22.95	23.03
			15	0	23.00	22.98	22.90	22.99
		16QAM	1	0	24.00	22.95	23.37	23.15
			1	7	24.00	23.21	23.60	23.51
			1	14	24.00	22.84	23.28	23.12
			8	0	22.50	22.02	21.98	22.03
			8	4	22.50	22.03	21.99	22.06

			8	7	22.50	22.01	21.98	21.99
			15	0	22.50	22.05	21.93	21.94
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 4	5MHz	QPSK	1	0	24.50	23.92	23.87	23.94
			1	12	24.50	24.29	24.24	24.49
			1	24	24.50	23.89	23.86	23.90
			12	0	23.50	23.00	22.91	23.05
			12	6	23.50	23.06	23.01	23.10
			12	11	23.50	23.02	22.95	23.02
			25	0	23.50	23.03	22.94	23.02
		16QAM	1	0	24.00	23.50	23.14	23.24
			1	12	24.00	23.84	23.58	23.66
			1	24	24.00	23.47	23.15	23.24
			12	0	22.50	22.00	21.91	22.05
			12	6	22.50	22.08	21.94	22.12
			12	11	22.50	22.01	21.85	22.00
			25	0	22.50	22.04	21.95	21.99
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		20000/1715	20175/1732.5	20350/1750
LTE Band 4	10MHz	QPSK	1	0	24.50	24.04	23.93	23.97
			1	24	24.50	24.20	24.12	24.14
			1	49	24.50	24.02	23.97	23.99
			25	0	23.50	22.99	22.96	23.08
			25	12	23.50	23.04	22.99	23.05
			25	24	23.50	23.08	22.98	23.06
			50	0	23.50	23.04	22.99	23.04
		16QAM	1	0	24.00	23.18	22.76	23.37
			1	24	24.00	23.37	22.92	23.54
			1	49	24.00	23.14	22.77	23.41
			25	0	22.50	22.03	21.96	22.11
			25	12	22.50	22.04	21.99	22.04
			25	24	22.50	22.11	22.02	22.07
			50	0	22.50	22.09	21.99	22.09
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 4	15MHz	QPSK	1	0	24.50	23.88	23.87	23.90
			1	37	24.50	24.21	24.15	24.27
			1	74	24.50	23.81	23.93	23.86
			36	0	23.50	23.02	22.93	23.12
			36	18	23.50	23.04	23.05	23.13
			36	37	23.50	23.04	23.05	23.08
			75	0	23.50	23.06	22.99	23.13
		16QAM	1	0	24.00	23.38	23.07	23.04
			1	37	24.00	23.69	23.36	23.20
			1	74	24.00	23.31	23.07	23.02
			36	0	22.50	22.00	22.01	22.02
			36	18	22.50	22.04	22.06	22.03
			36	37	22.50	22.03	22.04	22.00
			75	0	22.50	22.04	21.96	22.11
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		20050/1720	20175/1732.5	20300/1745
LTE Band 4	20MHz	QPSK	1	0	24.50	23.90	23.88	23.87
			1	49	24.50	24.06	24.09	24.12
			1	99	24.50	23.82	23.96	23.88
			50	0	23.50	22.91	22.86	23.08
			50	24	23.50	23.02	22.94	23.02
			50	49	23.50	23.04	22.94	22.96
			100	0	23.00	23.00	22.88	23.00
		16QAM	1	0	23.50	23.18	23.12	23.17
			1	49	23.50	23.32	23.25	23.44
			1	99	23.50	23.13	23.16	23.23
			50	0	22.50	21.85	21.87	22.09
			50	24	22.50	21.99	22.03	22.08
			50	49	22.50	22.03	21.97	22.04
			100	0	22.50	22.00	21.92	22.05

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	1.4MHz	QPSK	1	0	24.50	24.12	23.73	23.51

Band 5			1	2	24.50	23.91	23.88	23.65
			1	5	24.50	23.79	23.76	23.51
			3	0	24.00	23.81	23.82	23.62
			3	1	24.00	23.90	23.79	23.63
			3	2	24.00	23.77	23.78	23.60
			6	0	23.00	22.76	22.74	22.52
		16QAM	1	0	23.00	22.60	22.94	22.73
			1	2	23.00	22.71	23.00	22.80
			1	5	23.00	22.65	22.91	22.66
			3	0	23.00	22.93	22.97	22.79
			3	1	23.00	22.94	22.95	22.85
			3	2	23.00	22.96	22.93	22.79
			6	0	22.00	21.96	21.94	21.73
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 5	3MHz	QPSK	1	0	24.50	23.80	23.76	23.61
			1	7	24.50	24.12	23.92	23.89
			1	14	24.50	23.75	23.67	23.59
			8	0	23.00	22.77	22.70	22.63
			8	4	23.00	22.82	22.78	22.63
			8	7	23.00	22.78	22.72	22.56
			15	0	23.00	22.72	22.73	22.57
		16QAM	1	0	24.00	23.18	22.98	22.58
			1	7	24.00	23.53	23.26	22.70
			1	14	24.00	23.17	22.90	22.39
			8	0	22.00	21.81	21.77	21.59
			8	4	22.00	21.82	21.78	21.62
			8	7	22.00	21.82	21.74	21.56
			15	0	22.00	21.76	21.69	21.65
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 5	5MHz	QPSK	1	0	24.50	23.66	23.68	23.52
			1	12	24.50	24.05	24.02	23.91
			1	24	24.50	23.71	23.62	23.47
			12	0	23.00	22.80	22.75	22.65
			12	6	23.00	22.80	22.80	22.66

		16QAM	12	11	23.00	22.73	22.72	22.54
			25	0	23.00	22.77	22.72	22.63
			1	0	24.00	23.22	23.00	22.83
			1	12	24.00	23.58	23.35	23.33
			1	24	24.00	23.26	22.92	22.74
			12	0	22.00	21.78	21.71	21.71
			12	6	22.00	21.82	21.75	21.68
			12	11	22.00	21.71	21.64	21.60
			25	0	22.00	21.74	21.74	21.63
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		20450/829	20525/836.5	20600/844
LTE Band 5	10MHz	QPSK	1	0	24.50	23.80	23.78	23.62
			1	24	24.50	23.96	23.85	23.72
			1	49	24.50	23.83	23.61	23.53
			25	0	23.00	22.85	22.81	22.70
			25	12	23.00	22.82	22.75	22.66
			25	24	23.00	22.79	22.77	22.61
			50	0	23.00	22.85	22.83	22.67
		16QAM	1	0	23.50	22.63	23.18	22.81
			1	24	23.50	22.75	23.25	22.85
			1	49	23.50	22.67	22.99	22.73
			25	0	22.00	21.87	21.84	21.69
			25	12	22.00	21.85	21.79	21.69
			25	24	22.00	21.82	21.77	21.61
			50	0	22.00	21.84	21.81	21.71

Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		20775/2502.5	21100/2535	21425/2567.5
LTE Band 7	5MHz	QPSK	1	0	25.00	24.45	24.53	24.48
			1	12	25.00	24.88	24.91	24.84
			1	24	25.00	24.42	24.53	24.59
			12	0	24.00	23.62	23.71	23.63
			12	6	24.00	23.63	23.76	23.65
			12	11	24.00	23.61	23.67	23.62
			25	0	24.00	23.60	23.72	23.63
		16QAM	1	0	24.50	23.98	23.88	23.75

			1	12	24.50	24.46	24.28	24.14
			1	24	24.50	23.98	23.89	23.70
			12	0	23.00	22.60	22.74	22.74
			12	6	23.00	22.67	22.72	22.80
			12	11	23.00	22.64	22.69	22.69
			25	0	23.00	22.60	22.81	22.72
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		20800/2505	21100/2535	21400/2565
LTE Band 7	10MHz	QPSK	1	0	25.00	24.55	24.61	24.58
			1	24	25.00	24.65	24.77	24.74
			1	49	25.00	24.58	24.60	24.64
			25	0	24.00	23.61	23.76	23.68
			25	12	24.00	23.59	23.72	23.63
			25	24	24.00	23.62	23.73	23.67
			50	0	24.00	23.60	23.75	23.66
		16QAM	1	0	24.50	23.41	23.99	23.73
			1	24	24.50	23.49	24.13	23.81
			1	49	24.50	23.42	24.05	23.70
			25	0	23.00	22.63	22.81	22.72
			25	12	23.00	22.67	22.78	22.71
			25	24	23.00	22.62	22.83	22.79
			50	0	23.00	22.66	22.80	22.78
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 7	15MHz	QPSK	1	0	25.00	24.56	24.54	24.62
			1	37	25.00	24.88	24.86	24.84
			1	74	25.00	24.57	24.50	24.61
			36	0	24.00	23.63	23.84	23.75
			36	18	24.00	23.64	23.85	23.77
			36	37	24.00	23.72	23.80	23.83
			75	0	24.00	23.74	23.85	23.78
		16QAM	1	0	24.50	23.72	23.73	24.01
			1	37	24.50	24.04	24.04	24.24
			1	74	24.50	23.75	23.76	23.86
		16QAM	36	0	23.00	22.73	22.73	22.73
			36	18	23.00	22.71	22.80	22.80

			36	37	23.00	22.80	22.71	22.83
			75	0	23.00	22.70	22.83	22.77
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		20850/2510	21100/2535	21350/2560
LTE Band 7	20MHz	QPSK	1	0	25.00	24.45	24.55	24.52
			1	49	25.00	24.64	24.71	24.76
			1	99	25.00	24.48	24.53	24.58
			50	0	24.00	23.52	23.68	23.60
			50	24	24.00	23.64	23.73	23.70
			50	49	24.00	23.65	23.68	23.61
			100	0	24.00	23.61	23.70	23.60
		16QAM	1	0	24.50	23.74	23.92	23.78
			1	49	24.50	23.96	24.07	23.94
			1	99	24.50	23.85	23.88	23.71
			50	0	23.00	22.67	22.81	22.66
			50	24	23.00	22.69	22.83	22.75
			50	49	23.00	22.72	22.72	22.70
			100	0	23.00	22.67	22.72	22.66

Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		23017/699.7	23095/707.5	23173/715.3
LTE Band 12	1.4MHz	QPSK	1	0	25.00	23.26	24.27	24.12
			1	2	25.00	24.44	24.41	24.27
			1	5	25.00	24.25	24.23	24.09
			3	0	24.50	24.35	24.36	24.30
			3	1	24.50	24.34	24.35	24.28
			3	2	24.50	24.31	24.35	24.27
			6	0	23.50	23.24	23.22	23.19
		16QAM	1	0	24.00	23.08	23.48	23.36
			1	2	24.00	23.27	23.57	23.39
			1	5	24.00	23.09	23.46	23.32
			3	0	24.00	23.49	23.52	23.49
			3	1	24.00	23.47	23.54	23.51
			3	2	24.00	23.49	23.50	23.49
			6	0	23.00	22.46	22.51	22.43
Band	Band	Modulation	RB		Tune-up	Channel/Frequency(MHz)		

	Width		Configuration					
			RB Size	RB Offset		23025/700.5	23095/707.5	23165/714.5
LTE Band 12	3MHz	QPSK	1	0	25.00	24.30	24.32	24.24
			1	7	25.00	24.70	24.72	24.48
			1	14	25.00	24.39	24.30	24.23
			8	0	23.50	23.27	23.28	23.22
			8	4	23.50	23.30	23.31	23.28
			8	7	23.50	23.29	23.30	23.29
			15	0	23.50	23.29	23.30	23.27
		16QAM	1	0	24.50	23.23	23.78	23.51
			1	7	24.50	23.49	24.04	23.78
			1	14	24.50	23.16	23.73	23.38
			8	0	22.50	22.31	22.38	22.32
			8	4	22.50	22.36	22.42	22.36
			8	7	22.50	22.37	22.40	22.36
			15	0	22.50	22.44	22.43	22.28
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		23035/701.5	23095/707.5	23155/713.5
LTE Band 12	5MHz	QPSK	1	0	25.00	24.16	24.20	24.21
			1	12	25.00	24.82	24.67	24.54
			1	24	25.00	24.18	24.19	24.13
			12	0	23.50	23.30	23.33	23.33
			12	6	23.50	23.39	23.38	23.35
			12	11	23.50	23.29	23.34	23.29
			25	0	23.50	23.31	23.34	23.35
		16QAM	1	0	24.50	23.76	23.59	23.58
			1	12	24.50	24.11	24.02	23.91
			1	24	24.50	23.79	23.60	23.45
			12	0	22.50	22.35	22.38	22.42
			12	6	22.50	22.40	22.34	22.44
			12	11	22.50	22.30	22.34	22.39
			25	0	22.50	22.33	22.43	22.38
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		23060/704	23095/707.5	23130/711
LTE	10MHz	QPSK	1	0	25.00	24.21	24.20	24.25

Band 12			1	24	25.00	24.43	24.40	24.43
			1	49	25.00	24.25	24.23	24.26
			25	0	23.50	23.39	23.34	23.33
			25	12	23.50	23.39	23.36	23.40
			25	24	23.50	23.34	23.30	23.37
			50	0	23.50	23.40	23.38	23.37
		16QAM	1	0	24.00	23.70	23.39	23.18
			1	24	24.00	23.88	23.60	23.31
			1	49	24.00	23.73	23.50	23.10
			25	0	22.50	22.46	22.41	22.40
			25	12	22.50	22.46	22.45	22.44
			25	24	22.50	22.42	22.37	22.38
			50	0	22.50	22.48	22.49	22.45

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 13	5MHz	QPSK	1	0	25.00	23.94	24.00	23.97
			1	12	25.00	24.39	24.61	24.43
			1	24	25.00	24.01	24.08	24.01
			12	0	23.50	22.99	23.11	23.14
			12	6	23.50	23.11	23.20	23.20
			12	11	23.50	23.07	23.20	23.16
			25	0	23.50	23.07	23.16	23.13
		16QAM	1	0	24.00	23.46	23.32	23.35
			1	12	24.00	23.91	23.76	23.75
			1	24	24.00	23.58	23.39	23.37
			12	0	22.50	22.04	22.11	22.14
			12	6	22.50	22.15	22.15	22.21
			12	11	22.50	22.05	22.11	22.19
			25	0	22.50	22.03	22.18	22.15
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		/	23230/782	/
LTE Band 13	10MHz	QPSK	1	0	25.00	/	23.22	/
			1	24	25.00	/	24.30	/
			1	49	25.00	/	23.97	/
			25	0	23.50	/	23.20	/

			25	12	23.50	/	23.21	/
			25	24	23.50	/	23.22	/
			50	0	23.50	/	23.23	/
		16QAM	1	0	23.50	/	23.15	/
			1	24	23.50	/	23.44	/
			1	49	23.50	/	23.33	/
			25	0	22.50	/	22.21	/
			25	12	22.50	/	22.24	/
			25	24	22.50	/	22.26	/
			50	0	22.50	/	22.29	/

Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		23755/706.5	23790/710	23825/713.5
LTE Band 17	5MHz	QPSK	1	0	25.00	24.14	24.16	24.13
			1	12	25.00	24.56	24.66	24.49
			1	24	25.00	24.22	24.15	24.09
			12	0	23.50	23.28	23.27	23.24
			12	6	23.50	23.35	23.30	23.26
			12	11	23.50	23.29	23.18	23.22
			25	0	23.50	23.30	23.22	23.26
		16QAM	1	0	24.50	23.74	23.55	23.51
			1	12	24.50	24.32	24.00	23.81
			1	24	24.50	23.75	23.49	23.43
			12	0	22.50	22.29	22.21	22.33
			12	6	22.50	22.37	22.23	22.35
			12	11	22.50	22.33	22.16	22.29
			25	0	22.50	22.31	22.31	22.28

Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		23780/709	23790/710	23800/711
LTE Band 17	10MHz	QPSK	1	0	25.00	24.22	24.22	24.21
			1	24	25.00	24.36	24.37	24.36
			1	49	25.00	24.32	24.17	24.13
			25	0	23.50	23.33	23.28	23.32
			25	12	23.50	23.29	23.24	23.25
			25	24	23.50	23.21	23.24	23.30
			50	0	23.50	23.29	23.27	23.32

		16QAM	1	0	24.00	23.08	23.71	23.43
			1	24	24.00	23.19	23.80	23.52
			1	49	24.00	23.11	23.59	23.32
			25	0	22.50	22.36	22.35	22.34
			25	12	22.50	22.30	22.31	22.32
			25	24	22.50	22.22	22.30	22.36
			50	0	22.50	22.30	22.31	22.41

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 Band 25	1.4MHz	QPSK	1	0	25.50	23.82	24.74	24.81
			1	2	25.50	24.85	24.87	24.92
			1	5	25.50	24.69	24.75	24.82
			3	0	25.00	24.71	24.76	24.79
			3	1	25.00	24.75	24.82	24.80
			3	2	25.00	24.79	24.81	24.76
			6	0	24.00	23.83	23.89	23.96
		16QAM	1	0	24.50	23.80	23.96	23.63
			1	2	24.50	23.93	24.05	23.73
			1	5	24.50	23.82	23.92	23.62
			3	0	24.50	23.90	24.01	23.90
			3	1	24.50	23.88	24.02	23.89
			3	2	24.50	23.92	24.01	23.92
			6	0	23.50	22.91	22.98	23.04
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 25	3MHz	QPSK	1	0	25.50	24.81	24.86	24.87
			1	7	25.50	25.04	25.23	25.09
			1	14	25.50	24.84	24.82	24.79
			8	0	24.00	23.80	23.88	23.93
			8	4	24.00	23.86	23.92	23.92
			8	7	24.00	23.84	23.87	23.89
			15	0	24.00	23.77	23.80	23.85
		16QAM	1	0	24.50	23.92	23.69	24.22
			1	7	24.50	24.16	23.99	24.40
			1	14	24.50	23.94	23.65	24.13

			8	0	23.00	22.83	22.82	22.93
			8	4	23.00	22.83	22.85	22.91
			8	7	23.00	22.78	22.83	22.86
			15	0	23.00	22.68	22.86	22.81
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 25	5MHz	QPSK	1	0	25.50	24.62	24.76	24.80
			1	12	25.50	25.15	25.03	25.08
			1	24	25.50	24.63	24.76	24.74
			12	0	24.00	23.80	23.88	23.95
			12	6	24.00	23.84	23.85	23.93
			12	11	24.00	23.78	23.82	23.78
			25	0	24.00	23.77	23.81	23.87
		16QAM	1	0	24.50	23.94	24.24	24.09
			1	12	24.50	24.26	24.48	24.46
			1	24	24.50	23.95	24.25	24.00
			12	0	23.00	22.80	22.82	22.80
			12	6	23.00	22.80	22.84	22.82
			12	11	23.00	22.78	22.82	22.68
			25	0	23.00	22.73	22.78	22.83
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		26090/1855	26365/1882.5	26640/1910
LTE Band 25	10MHz	QPSK	1	0	25.50	24.81	24.81	24.88
			1	24	25.50	24.93	24.96	25.04
			1	49	25.50	24.87	24.80	24.85
			25	0	24.00	23.85	23.91	24.00
			25	12	24.00	23.88	23.88	23.94
			25	24	24.00	23.93	23.89	23.83
			50	0	24.00	23.91	23.88	23.89
		16QAM	1	0	24.50	24.11	24.00	23.74
			1	24	24.50	24.28	24.11	23.88
			1	49	24.50	24.29	23.95	23.62
			25	0	23.00	22.84	22.89	22.94
			25	12	23.00	22.87	22.83	22.87
			25	24	23.00	22.88	22.83	22.76
			50	0	23.00	22.89	22.88	22.86

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 25	15MHz	QPSK	1	0	25.50	24.80	24.88	24.94
			1	37	25.50	25.09	25.02	25.17
			1	74	25.50	24.84	24.83	24.81
			36	0	24.50	23.99	24.08	24.08
			36	18	24.50	24.02	24.04	24.14
			36	37	24.50	24.06	23.98	24.04
			75	0	24.50	24.05	24.03	24.11
		16QAM	1	0	25.00	23.93	24.24	24.10
			1	37	25.00	24.31	24.51	24.33
			1	74	25.00	23.99	24.24	23.95
			36	0	23.50	22.86	22.98	23.07
			36	18	23.50	22.91	22.96	23.08
			36	37	23.50	22.94	22.93	22.95
			75	0	23.00	23.00	22.96	23.00
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		26140/1860	26365/1882.5	26590/1905
LTE Band 25	20MHz	QPSK	1	0	25.50	24.73	24.88	24.89
			1	49	25.50	25.01	25.04	25.07
			1	99	25.50	24.78	24.83	24.78
			50	0	24.50	23.92	23.91	24.03
			50	24	24.50	23.93	23.88	23.97
			50	49	24.50	23.95	23.85	23.80
			100	0	24.00	23.87	23.87	23.92
		16QAM	1	0	24.50	23.94	24.06	24.21
			1	49	24.50	24.25	24.22	24.37
			1	99	24.50	24.03	24.02	24.04
			50	0	23.50	22.90	22.95	23.04
			50	24	23.50	22.91	22.89	22.99
			50	49	23.50	22.92	22.88	22.81
			100	0	23.00	22.89	22.86	22.87

Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB	RB		26697/814.7	26740/819	26783/823.3

Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
Band	Band Width	Modulation	RB Size	RB Offset	Tune-up	26705/818.5	26740/819	26775/822.5
			RB Size	RB Offset		26705/818.5	26740/819	26775/822.5
LTE Band 26a	1.4MHz	QPSK	1	0	25.00	23.35	24.43	24.32
			1	2	25.00	24.52	24.58	24.47
			1	5	25.00	24.31	24.42	24.34
			3	0	25.00	24.42	24.50	24.44
			3	1	25.00	24.41	24.48	24.46
			3	2	25.00	24.32	24.49	24.44
		16QAM	6	0	23.50	23.31	23.39	23.42
			1	0	24.00	23.20	23.46	23.62
			1	2	24.00	23.35	23.65	23.67
			1	5	24.00	23.11	23.49	23.62
			3	0	24.00	23.50	23.54	23.65
			3	1	24.00	23.47	23.57	23.69
			3	2	24.00	23.52	23.54	23.69
			6	0	23.00	22.49	22.56	22.55
LTE Band 26a	3MHz	QPSK	1	0	25.00	24.38	24.35	24.34
			1	7	25.00	24.63	24.63	24.55
			1	14	25.00	24.39	24.31	24.42
			8	0	23.50	23.31	23.33	23.38
			8	4	23.50	23.35	23.38	23.44
			8	7	23.50	23.33	23.32	23.43
			15	0	23.50	23.30	23.32	23.40
		16QAM	1	0	24.00	23.23	23.72	23.59
			1	7	24.00	23.35	24.00	23.84
			1	14	24.00	23.14	23.71	23.63
			8	0	22.50	22.29	22.38	22.38
			8	4	22.50	22.32	22.41	22.45
			8	7	22.50	22.31	22.38	22.43
			15	0	22.50	22.37	22.37	22.35
LTE Band 26a	5MHz	QPSK	1	0	25.00	24.19	24.21	24.34
			1	12	25.00	24.59	24.69	24.75
			1	24	25.00	24.24	24.30	24.35

			12	0	23.50	23.23	23.32	23.36
			12	6	23.50	23.34	23.41	23.48
			12	11	23.50	23.34	23.35	23.40
			25	0	23.50	23.32	23.36	23.43
		16QAM	1	0	24.50	23.56	23.66	23.61
			1	12	24.50	23.84	24.19	23.85
			1	24	24.50	23.56	23.78	23.73
			12	0	22.50	22.28	22.30	22.29
			12	6	22.50	22.36	22.44	22.36
			12	11	22.50	22.36	22.32	22.32
			25	0	22.50	22.25	22.34	22.47
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		/	26740/819	/
LTE Band 26a	10MHz	QPSK	1	0	25.00	/	24.37	/
			1	24	25.00	/	24.55	/
			1	49	25.00	/	24.46	/
			25	0	23.50	/	23.32	/
			25	12	23.50	/	23.38	/
			25	24	23.50	/	23.45	/
			50	0	23.50	/	23.37	/
		16QAM	1	0	24.00	/	23.69	/
			1	24	24.00	/	23.85	/
			1	49	24.00	/	23.85	/
			25	0	22.50	/	22.36	/
			25	12	22.50	/	22.41	/
			25	24	22.50	/	22.48	/
			50	0	22.50	/	22.36	/

Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		26797/824.7	26915/836.5	27033/848.3
LTE Band 26b	1.4MHz	QPSK	1	0	25.00	24.40	24.33	24.30
			1	2	25.00	24.56	24.42	24.45
			1	5	25.00	24.37	24.33	24.29
			3	0	24.50	24.46	24.37	24.29
			3	1	24.50	24.46	24.39	24.32
			3	2	24.50	24.42	24.36	24.29

			6	0	23.50	23.47	23.41	23.29
		16QAM	1	0	24.00	23.63	23.22	23.36
			1	2	24.00	23.71	23.38	23.47
			1	5	24.00	23.62	23.19	23.31
			3	0	24.00	23.71	23.53	23.45
			3	1	24.00	23.74	23.53	23.53
			3	2	24.00	23.71	23.55	23.39
			6	0	23.00	22.63	22.56	22.47
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		26805/825.5	26915/836.5	27025/847.5
LTE Band 26b	3MHz	QPSK	1	0	25.00	24.44	24.37	24.23
			1	7	25.00	24.65	24.72	24.53
			1	14	25.00	24.46	24.30	24.27
			8	0	23.50	23.45	23.39	23.33
			8	4	23.50	23.49	23.41	23.35
			8	7	23.50	23.44	23.40	23.31
			15	0	23.50	23.42	23.38	23.30
		16QAM	1	0	24.50	23.35	23.83	23.48
			1	7	24.50	23.55	24.12	23.75
			1	14	24.50	23.25	23.75	23.39
			8	0	22.50	22.43	22.44	22.36
			8	4	22.50	22.49	22.46	22.36
			8	7	22.50	22.43	22.48	22.29
			15	0	23.00	22.50	22.46	22.27
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		26815/826.5	26915/836.5	27015/846.5
LTE Band 26b	5MHz	QPSK	1	0	25.00	24.26	24.31	24.18
			1	12	25.00	24.63	24.67	24.55
			1	24	25.00	24.27	24.26	24.16
			12	0	23.50	23.46	23.45	23.38
			12	6	23.50	23.48	23.49	23.34
			12	11	23.50	23.42	23.42	23.26
			25	0	23.50	23.42	23.43	23.34
		16QAM	1	0	24.50	23.66	23.89	23.49
			1	12	24.50	24.04	24.20	23.84
			1	24	24.50	23.66	23.76	23.51

			12	0	23.00	22.48	22.43	22.27
			12	6	23.00	22.51	22.45	22.32
			12	11	23.00	22.46	22.41	22.26
			25	0	22.50	22.42	22.43	22.38
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		26840/829	26915/836.5	26990/844
LTE Band 26b	10MHz	QPSK	1	0	25.00	24.49	24.39	24.29
			1	24	25.00	24.57	24.47	24.36
			1	49	25.00	24.53	24.31	24.28
			25	0	24.00	23.53	23.53	23.42
			25	12	24.00	23.51	23.48	23.33
			25	24	24.00	23.49	23.44	23.30
			50	0	23.50	23.49	23.49	23.36
		16QAM	1	0	24.00	23.33	23.87	23.47
			1	24	24.00	23.43	23.95	23.52
			1	49	24.00	23.31	23.68	23.41
			25	0	23.00	22.52	22.54	22.42
			25	12	23.00	22.55	22.52	22.31
			25	24	23.00	22.50	22.46	22.32
			50	0	23.00	22.54	22.51	22.40
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		26865/831.5	26915/836.5	26965/841.5
LTE Band 26b	15MHz	QPSK	1	0	25.00	24.32	24.36	24.25
			1	37	25.00	24.62	24.54	24.41
			1	74	25.00	24.19	24.19	24.13
			36	0	24.00	23.56	23.51	23.46
			36	18	24.00	23.58	23.52	23.42
			36	37	24.00	23.52	23.45	23.40
			75	0	24.00	23.55	23.53	23.43
		16QAM	1	0	24.50	23.81	23.61	23.49
			1	37	24.50	24.27	23.88	23.57
			1	74	24.50	23.70	23.34	23.28
			36	0	23.00	22.50	22.52	22.39
			36	18	23.00	22.51	22.53	22.31
			36	37	23.00	22.53	22.44	22.23
			75	0	23.00	22.51	22.49	22.42

Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		40415/2572.5	40640/2595	40865/2617.5
LTE Band 41	5MHz	QPSK	1	0	25.00	24.40	24.37	24.36
			1	12	25.00	24.72	24.64	24.66
			1	24	25.00	24.42	24.34	24.38
			12	0	24.00	23.53	23.53	23.49
			12	6	24.00	23.61	23.61	23.57
			12	11	24.00	23.54	23.48	23.50
			25	0	24.00	23.58	23.46	23.48
		16QAM	1	0	24.50	23.75	23.83	24.06
			1	12	24.50	24.00	24.04	24.28
			1	24	24.50	23.75	23.76	24.01
			12	0	23.00	22.52	22.57	22.50
			12	6	23.00	22.57	22.63	22.58
			12	11	23.00	22.54	22.56	22.48
			25	0	23.00	22.66	22.51	22.49
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		40440/2575	40640/2595	40840/2615
LTE Band 41	10MHz	QPSK	1	0	25.00	24.47	24.42	24.39
			1	24	25.00	24.67	24.65	24.60
			1	49	25.00	24.45	24.45	24.39
			25	0	24.00	23.66	23.58	23.55
			25	12	24.00	23.59	23.56	23.51
			25	24	24.00	23.60	23.53	23.53
			50	0	24.00	23.59	23.53	23.54
		16QAM	1	0	24.50	24.05	23.73	23.45
			1	24	24.50	24.24	23.84	23.66
			1	49	24.50	24.07	23.64	23.41
			25	0	23.00	22.68	22.64	22.57
			25	12	23.00	22.68	22.60	22.56
			25	24	23.00	22.67	22.59	22.57
			50	0	23.00	22.63	22.58	22.52
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB	RB		40465/2577.5	40640/2595	40815/2612.5

Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		40490/2580	40640/2595	40790/2610
LTE Band 41	15MHz	QPSK	1	0	25.00	24.39	24.46	24.34
			1	37	25.00	24.65	24.72	24.64
			1	74	25.00	24.32	24.37	24.28
			36	0	24.00	23.60	23.56	23.56
			36	18	24.00	23.61	23.56	23.56
			36	37	24.00	23.56	23.54	23.52
			75	0	24.00	23.60	23.67	23.53
		16QAM	1	0	24.50	24.04	23.66	23.70
			1	37	24.50	24.31	23.94	23.97
			1	74	24.50	24.02	23.58	23.60
			36	0	23.00	22.61	22.64	22.51
			36	18	23.00	22.64	22.62	22.49
			36	37	23.00	22.58	22.57	22.47
			75	0	23.00	22.60	22.53	22.54
LTE Band 41	20MHz	QPSK	1	0	25.00	24.39	24.38	24.32
			1	49	25.00	24.66	24.62	24.61
			1	99	25.00	24.39	24.33	24.27
			50	0	24.00	23.58	23.57	23.49
			50	24	24.00	23.59	23.56	23.56
			50	49	24.00	23.56	23.53	23.48
			100	0	24.00	23.57	23.53	23.51
		16QAM	1	0	24.00	23.74	23.68	23.69
			1	49	24.00	24.00	23.92	23.99
			1	99	24.00	23.73	23.60	23.67
			50	0	23.00	22.59	22.67	22.59
			50	24	23.00	22.60	22.67	22.62
			50	49	23.00	22.59	22.55	22.56
			100	0	23.00	22.60	22.57	22.56

Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		131979/1710.7	132322/1745	132665/1779.3
LTE Band	1.4MHz	QPSK	1	0	25.00	24.76	24.45	24.40
			1	2	25.00	24.62	24.59	24.54

66			1	5	25.00	24.41	24.43	24.41
			3	0	25.00	24.48	24.50	24.42
			3	1	25.00	24.47	24.51	24.47
			3	2	25.00	24.46	24.49	24.43
			6	0	23.50	23.39	23.44	23.47
		16QAM	1	0	24.00	23.23	23.50	23.47
			1	2	24.00	23.38	23.57	23.60
			1	5	24.00	23.22	23.52	23.49
			3	0	24.00	23.59	23.58	23.55
			3	1	24.00	23.60	23.59	23.60
			3	2	24.00	23.64	23.60	23.55
			6	0	23.00	22.59	22.58	22.56
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		131987/1711.5	132322/1745	132657/1778.5
LTE Band 66	3MHz	QPSK	1	0	25.00	24.49	24.43	24.46
			1	7	25.00	24.83	24.73	24.80
			1	14	25.00	24.56	24.40	24.49
			8	0	23.50	23.41	23.45	23.46
			8	4	23.50	23.43	23.45	23.48
			8	7	23.50	23.44	23.46	23.45
			15	0	23.50	23.45	23.40	23.42
		16QAM	1	0	24.50	23.34	23.85	23.53
			1	7	24.50	23.78	24.06	23.76
			1	14	24.50	23.29	23.82	23.52
			8	0	23.00	22.43	22.48	22.44
			8	4	23.00	22.46	22.51	22.44
			8	7	23.00	22.46	22.46	22.37
			15	0	22.50	22.49	22.42	22.33
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		131997/1712.5	132322/1745	132647/1777.5
LTE Band 66	5MHz	QPSK	1	0	25.00	24.34	24.38	24.36
			1	12	25.00	24.63	24.72	24.77
			1	24	25.00	24.30	24.42	24.45
			12	0	24.00	23.42	23.44	23.46
			12	6	24.00	23.49	23.50	23.49
			12	11	24.00	23.46	23.42	23.42

			25	0	23.50	23.47	23.44	23.44
		16QAM	1	0	24.50	23.63	23.84	23.58
			1	12	24.50	24.01	24.21	23.86
			1	24	24.50	23.69	23.87	23.58
			12	0	23.00	22.47	22.39	22.33
			12	6	23.00	22.53	22.47	22.38
			12	11	23.00	22.51	22.39	22.36
			25	0	22.50	22.46	22.44	22.44
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		132022/1715	132322/1745	132622/1775
LTE Band 66	10MHz	QPSK	1	0	25.00	24.47	24.48	24.43
			1	24	25.00	24.59	24.63	24.53
			1	49	25.00	24.43	24.50	24.47
			25	0	24.00	23.45	23.51	23.54
			25	12	24.00	23.45	23.47	23.42
			25	24	24.00	23.51	23.48	23.44
			50	0	24.00	23.50	23.51	23.49
		16QAM	1	0	24.00	23.61	23.26	23.78
			1	24	24.00	23.72	23.40	23.81
			1	49	24.00	23.57	23.30	23.74
			25	0	23.00	22.49	22.51	22.57
			25	12	23.00	22.50	22.49	22.44
			25	24	23.00	22.57	22.50	22.43
			50	0	23.00	22.56	22.50	22.47
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		132047/1717.5	132322/1745	132597/1772.5
LTE Band 66	15MHz	QPSK	1	0	25.00	24.36	24.39	24.34
			1	37	25.00	24.59	24.71	24.50
			1	74	25.00	24.24	24.38	24.37
			36	0	24.00	23.47	23.59	23.55
			36	18	24.00	23.49	23.58	23.59
			36	37	24.00	23.48	23.61	23.54
			75	0	24.00	23.52	23.57	23.57
		16QAM	1	0	24.50	23.81	23.54	23.52
			1	37	24.50	24.08	23.81	23.70
			1	74	24.50	23.74	23.57	23.43

			36	0	23.00	22.51	22.55	22.42
			36	18	23.00	22.50	22.58	22.45
			36	37	23.00	22.51	22.52	22.36
			75	0	23.00	22.48	22.54	22.47
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		
			RB Size	RB Offset		132072/1720	132322/1745	132572/1770
LTE Band 66	20MHz	QPSK	1	0	25.00	24.34	24.37	24.34
			1	49	25.00	24.48	24.64	24.54
			1	99	25.00	24.29	24.40	24.38
			50	0	24.00	23.37	23.54	23.46
			50	24	24.00	23.42	23.50	23.45
			50	49	24.00	23.47	23.44	23.30
			100	0	23.50	23.42	23.49	23.36
		16QAM	1	0	24.00	23.61	23.58	23.61
			1	49	24.00	23.76	23.82	23.83
			1	99	24.00	23.52	23.61	23.57
			50	0	23.00	22.38	22.55	22.48
			50	24	23.00	22.45	22.52	22.50
			50	49	23.00	22.50	22.51	22.32
			100	0	23.00	22.49	22.52	22.39

7.5. WLAN & Bluetooth Output Power

Mode	Channel	Frequency (MHz)	Tune-up	Output Power (dBm)
802.11b	1	2412	14.00	13.06
	6	2437	14.00	13.75
	11	2462	14.00	13.38
802.11g	1	2412	13.50	12.28
	6	2437	13.50	13.29
	11	2462	13.50	12.82
802.11n HT20	1	2412	13.50	12.45
	6	2437	13.50	13.45
	11	2462	13.50	13.07
802.11n HT40	3	2422	13.00	12.34
	6	2437	13.00	12.36
	9	2452	13.00	12.50

NOTE: Power measurement results of WLAN 2.4G.

Mode	Channel	Frequency (MHz)	Tune-up	Output Power (dBm)
802.11a	36	5180	10.000	9.883
	40	5200	10.000	9.753
	48	5240	10.000	9.614
802.11n HT20	36	5180	10.000	9.693
	40	5200	10.000	9.606
	48	5240	10.000	9.972
802.11n HT40	38	5190	10.000	9.776
	46	5230	10.000	9.208
802.11ac VHT20	36	5180	10.000	9.719
	40	5200	10.000	9.611
	48	5240	10.000	9.973
802.11ac VHT40	38	5190	10.000	9.786
	46	5230	10.000	9.174
802.11ac VHT80	42	5210	10.000	9.677

NOTE: Power measurement results of WLAN 5.2G.

Mode	Channel	Frequency (MHz)	Tune-up	Output Power (dBm)
802.11a	149	5745	10.000	9.626
	157	5785	10.000	9.437
	165	5825	10.000	9.667
802.11n HT20	149	5745	10.500	10.004
	157	5785	10.500	9.389
	165	5825	10.500	9.609
802.11n HT40	151	5755	10.000	9.690
	159	5795	10.000	9.949
802.11ac VHT20	149	5745	10.000	9.935
	157	5785	10.000	9.328
	165	5825	10.000	9.549
802.11ac VHT40	151	5755	10.000	9.635
	159	5795	10.000	9.900
802.11ac VHT80	155	5775	10.500	10.003

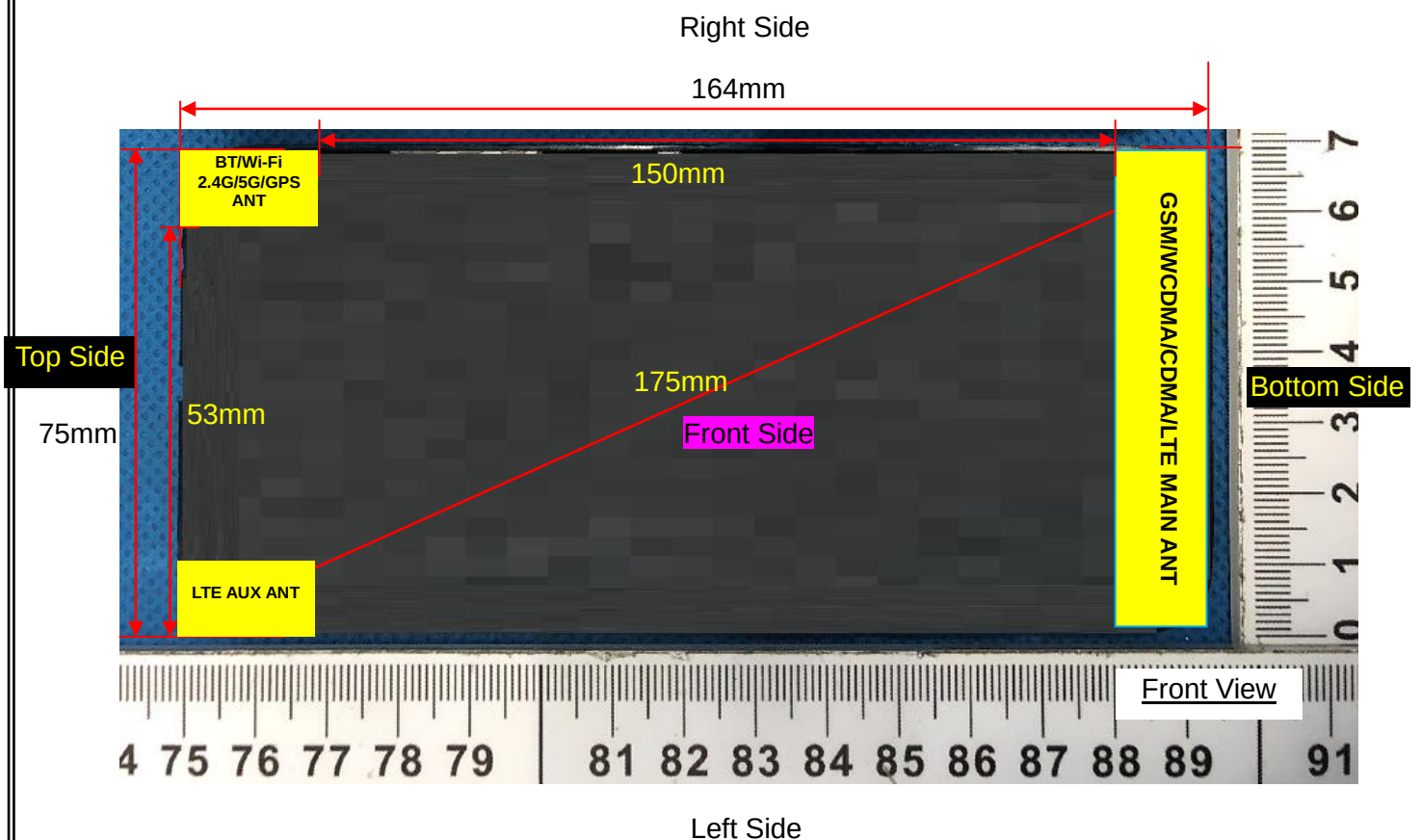
NOTE: Power measurement results of WLAN 5.8G.

BR+EDR	Output Power (dBm)				
	Channel	Tune-up	Data Rates		
			1M	2M	3M
	0CH	4.000	2.980	2.972	3.079
	39CH	4.000	3.871	3.348	3.735
	78CH	4.000	3.715	3.305	3.372

BLE	Channel	Tune-up	Output Power (dBm)
	0CH	0.000	-0.246
	19CH	-1.000	-1.636
	39CH	-1.000	-1.428

NOTE: Power measurement results of Bluetooth.

8. Antenna Location



Note: Since the confidentiality request of EUT, the antenna location example diagram see as above.

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	4.00	2.51	5	2.480	0.79	3	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 ≤ 50mm, 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	4.00	2.51	5	2.48	7.5	0.105
Bluetooth	Body	4.00	2.51	10	2.48	7.5	0.053
Bluetooth	Hotspot	4.00	2.51	10	2.48	7.5	0.053

NOTE: Estimated SAR calculation for Bluetooth

10. SAR Results

10.1. SAR measurement Result

10.1.1. SAR measurement Result of GSM850

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)	Date
			1g	10g					
Left Cheek	189/836.4	GPRS(GMSK 4TS)	0.557	0.380	3.72	29.26	29.50	0.589	2021/8/02
Left Tilt 15 Degree	189/836.4	GPRS(GMSK 4TS)	0.295	0.226	-0.62	29.26	29.50	0.312	2021/8/02
Right Cheek	189/836.4	GPRS(GMSK 4TS)	0.467	0.354	-3.04	29.26	29.50	0.494	2021/8/02
Right Tilt 15 Degree	189/836.4	GPRS(GMSK 4TS)	0.241	0.183	-1.44	29.26	29.50	0.255	2021/8/02

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)	Date
			1g	10g					
Front Side	189/836.4	GPRS(GMSK 4TS)	0.274	0.196	-2.12	29.26	29.50	0.290	2021/8/02
Back Side	189/836.4	GPRS(GMSK 4TS)	0.435	0.327	-1.82	29.26	29.50	0.460	2021/8/02

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)	Date
			1g	10g					
Front Side	189/836.4	GPRS(GMSK 4TS)	0.274	0.196	-2.12	29.26	29.50	0.290	2021/8/02
Back Side	189/836.4	GPRS(GMSK 4TS)	0.435	0.327	-1.82	29.26	29.50	0.460	2021/8/02
Left Side	189/836.4	GPRS(GMSK 4TS)	0.131	0.094	-1.42	29.26	29.50	0.138	2021/8/02
Right Side	189/836.4	GPRS(GMSK 4TS)	0.196	0.147	0.60	29.26	29.50	0.207	2021/8/02
Bottom Side	189/836.4	GPRS(GMSK 4TS)	0.261	0.188	-1.33	29.26	29.50	0.276	2021/8/02

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)	Date
			1g	10g					
Left	661/1880	GPRS(GMSK	0.065	0.043	0.01	26.41	27.00	0.074	2021/8/03

Cheek		4TS)							
Left Tilt 15 Degree	661/1880	GPRS(GMSK 4TS)	0.036	0.021	0.80	26.41	27.00	0.041	2021/8/03
Right Cheek	661/1880	GPRS(GMSK 4TS)	0.059	0.039	-3.01	26.41	27.00	0.068	2021/8/03
Right Tilt 15 Degree	661/1880	GPRS(GMSK 4TS)	0.031	0.024	1.28	26.41	27.00	0.036	2021/8/03

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)	Date
			1g	10g					
Front Side	661/1880	GPRS(GMSK 4TS)	0.066	0.039	0.04	26.41	27.00	0.076	2021/8/03
Back Side	661/1880	GPRS(GMSK 4TS)	0.107	0.066	1.46	26.41	27.00	0.123	2021/8/03

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)	Date
			1g	10g					
Front Side	661/1880	GPRS(GMSK 4TS)	0.066	0.039	0.04	26.41	27.00	0.076	2021/8/03
Back Side	661/1880	GPRS(GMSK 4TS)	0.107	0.066	1.46	26.41	27.00	0.123	2021/8/03
Left Side	661/1880	GPRS(GMSK 4TS)	0.035	0.021	3.84	26.41	27.00	0.040	2021/8/03
Right Side	661/1880	GPRS(GMSK 4TS)	0.045	0.026	-3.06	26.41	27.00	0.052	2021/8/03
Bottom Side	661/1880	GPRS(GMSK 4TS)	0.062	0.037	2.76	26.41	27.00	0.071	2021/8/03

NOTE: Hotspot SAR test results of GSM1900

10.1.3. SAR measurement Result of CDMA Band BC0

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)	Date
			1g	10g					
Left Cheek	384/836.52	1xRTT(RC3, SO55)	0.092	0.059	-3.59	25.46	25.50	0.093	2021/8/2
Left Tilt 15	384/836.52	1xRTT(RC3,	0.048	0.030	3.11	25.46	25.50	0.048	2021/8/2

Degree		SO55)							
Right Cheek	384/836.52	1xRTT(RC3, SO55)	0.083	0.051	-1.08	25.46	25.50	0.084	2021/8/2
Right Tilt 15 Degree	384/836.52	1xRTT(RC3, SO55)	0.041	0.025	0.54	25.46	25.50	0.041	2021/8/2
Left Cheek	384/836.52	1xEV-Do Rel.0	0.080	0.049	-0.40	25.42	25.50	0.081	2021/8/2
Left Tilt 15 Degree	384/836.52	1xEV-Do Rel.0	0.046	0.028	-1.27	25.42	25.50	0.047	2021/8/2
Right Cheek	384/836.52	1xEV-Do Rel.0	0.071	0.042	-1.55	25.42	25.50	0.072	2021/8/2
Right Tilt 15 Degree	384/836.52	1xEV-Do Rel.0	0.032	0.019	-4.25	25.42	25.50	0.033	2021/8/2

NOTE: Head SAR test results of CDMA Band BC0

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)	Date
			1g	10g					
Front Side	384/836.52	1xRTT(RC3, SO32(+F-SCH))	0.120	0.066	2.75	25.00	25.00	0.120	2021/8/2
Back Side	384/836.52	1xRTT(RC3, SO32(+F-SCH))	0.197	0.110	-0.61	25.00	25.00	0.197	2021/8/2

NOTE: Body-Worn SAR test results of CDMA Band BC0

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)	Date
			1g	10g					
Front Side	384/836.52	1xRTT(RC3, SO32(+F-SCH))	0.120	0.066	2.75	25.00	25.00	0.120	2021/8/2
Back Side	384/836.52	1xRTT(RC3, SO32(+F-SCH))	0.197	0.110	-0.61	25.00	25.00	0.197	2021/8/2
Left Side	384/836.52	1xRTT(RC3, SO32(+F-SCH))	0.069	0.037	0.95	25.00	25.00	0.069	2021/8/2
Right Side	384/836.52	1xRTT(RC3, SO32(+F-SCH))	0.057	0.030	1.24	25.00	25.00	0.057	2021/8/2
Bottom Side	384/836.52	1xRTT(RC3, SO32(+F-SCH))	0.092	0.051	0.97	25.00	25.00	0.092	2021/8/2

NOTE: Hotspot SAR test results of CDMA Band BC0

10.1.4. SAR measurement Result of CDMA Band BC1

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)	Date
			1g	10g					
Left Cheek	600/1880	1xRTT(RC3, SO55)	0.124	0.082	-4.62	23.77	24.00	0.131	2021/8/3
Left Tilt 15 Degree	600/1880	1xRTT(RC3, SO55)	0.069	0.045	-0.57	23.77	24.00	0.073	2021/8/3
Right Cheek	600/1880	1xRTT(RC3, SO55)	0.109	0.068	-0.63	23.77	24.00	0.115	2021/8/3
Right Tilt 15 Degree	600/1880	1xRTT(RC3, SO55)	0.053	0.034	3.01	23.77	24.00	0.056	2021/8/3
Left Cheek	600/1880	1xEV-Do Rel.0	0.110	0.075	3.20	23.96	24.00	0.111	2021/8/3
Left Tilt 15 Degree	600/1880	1xEV-Do Rel.0	0.059	0.039	3.37	23.96	24.00	0.060	2021/8/3
Right Cheek	600/1880	1xEV-Do Rel.0	0.093	0.060	1.38	23.96	24.00	0.094	2021/8/3
Right Tilt 15 Degree	600/1880	1xEV-Do Rel.0	0.043	0.028	2.53	23.96	24.00	0.043	2021/8/3

NOTE: Head SAR test results of CDMA Band BC1

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)	Date
			1g	10g					
Front Side	600/1880	1xRTT(RC3, SO32(+F-SCH))	0.222	0.118	-1.06	24.21	24.50	0.237	2021/8/3
Back Side	600/1880	1xRTT(RC3, SO32(+F-SCH))	0.355	0.198	-3.00	24.21	24.50	0.380	2021/8/3

NOTE: Body-Worn SAR test results of CDMA Band BC1

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)	Date
			1g	10g					

Front Side	600/1880	1xRTT(RC3, SO32(+F-SCH))	0.222	0.118	-1.06	24.21	24.50	0.237	2021/8/3
Back Side	600/1880	1xRTT(RC3, SO32(+F-SCH))	0.355	0.198	-3.00	24.21	24.50	0.380	2021/8/3
Left Side	600/1880	1xRTT(RC3, SO32(+F-SCH))	0.111	0.059	3.01	24.21	24.50	0.119	2021/8/3
Right Side	600/1880	1xRTT(RC3, SO32(+F-SCH))	0.086	0.050	1.25	24.21	24.50	0.092	2021/8/3
Bottom Side	600/1880	1xRTT(RC3, SO32(+F-SCH))	0.160	0.088	2.36	24.21	24.50	0.171	2021/8/3

NOTE: Hotspot SAR test results of CDMA Band BC1

10.1.5. SAR measurement Result of WCDMA Band 2

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)	Date
			1g	10g					
Left Cheek	9400/1880	RMC12.2K	0.197	0.120	-3.06	23.65	24.00	0.214	2021/8/03
Left Tilt 15 Degree	9400/1880	RMC12.2K	0.116	0.073	-2.92	23.65	24.00	0.126	2021/8/03
Right Cheek	9400/1880	RMC12.2K	0.185	0.113	4.46	23.65	24.00	0.201	2021/8/03
Right Tilt 15 Degree	9400/1880	RMC12.2K	0.097	0.054	4.21	23.65	24.00	0.105	2021/8/03

NOTE: Head SAR test results of WCDMA Band 2

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)	Date
			1g	10g					
Front Side	9400/1880	RMC12.2K	0.257	0.146	-3.08	23.65	24.00	0.279	2021/8/03
Back Side	9400/1880	RMC12.2K	0.396	0.230	-0.77	23.65	24.00	0.429	2021/8/03

NOTE: Body-Worn SAR test results of WCDMA Band 2

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)	Date
			1g	10g					
Front Side	9400/1880	RMC12.2K	0.257	0.146	-3.08	23.65	24.00	0.279	2021/8/03

Back Side	9400/1880	RMC12.2K	0.396	0.230	-0.77	23.65	24.00	0.429	2021/8/03
Left Side	9400/1880	RMC12.2K	0.127	0.072	-0.08	23.65	24.00	0.138	2021/8/03
Right Side	9400/1880	RMC12.2K	0.174	0.100	-1.75	23.65	24.00	0.189	2021/8/03
Bottom Side	9400/1880	RMC12.2K	0.226	0.131	2.21	23.65	24.00	0.245	2021/8/03

NOTE: Hotspot SAR test results of WCDMA Band 2

10.1.6. SAR measurement Result of WCDMA Band 4

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)	Date
			1g	10g					
Left Cheek	1413/1732.6	RMC12.2K	0.090	0.064	1.45	23.69	24.00	0.097	2021/7/30
Left Tilt 15 Degree	1413/1732.6	RMC12.2K	0.054	0.042	4.38	23.69	24.00	0.058	2021/7/30
Right Cheek	1413/1732.6	RMC12.2K	0.079	0.058	-4.50	23.69	24.00	0.085	2021/7/30
Right Tilt 15 Degree	1413/1732.6	RMC12.2K	0.039	0.027	-4.31	23.69	24.00	0.042	2021/7/30

NOTE: Head SAR test results of WCDMA Band 4

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)	Date
			1g	10g					
Front Side	1413/1732.6	RMC12.2K	0.409	0.188	0.89	23.69	24.00	0.439	2021/7/30
Back Side	1413/1732.6	RMC12.2K	0.660	0.320	-4.73	23.69	24.00	0.709	2021/7/30

NOTE: Body-Worn SAR test results of WCDMA Band 4

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)	Date
			1g	10g					
Front Side	1413/1732.6	RMC12.2K	0.409	0.188	0.89	23.69	24.00	0.439	2021/7/30
Back Side	1413/1732.6	RMC12.2K	0.660	0.320	-4.73	23.69	24.00	0.709	2021/7/30
Left Side	1413/1732.6	RMC12.2K	0.218	0.101	-0.72	23.69	24.00	0.234	2021/7/30
Right Side	1413/1732.6	RMC12.2K	0.297	0.143	-1.27	23.69	24.00	0.319	2021/7/30
Bottom Side	1413/1732.6	RMC12.2K	0.370	0.179	-1.15	23.69	24.00	0.397	2021/7/30

NOTE: Hotspot SAR test results of WCDMA Band 4

10.1.7. SAR measurement Result of WCDMA Band 5

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)	Date
			1g	10g					
Left Cheek	4182/836.4	RMC12.2K	0.325	0.251	-1.01	23.45	24.00	0.369	2021/8/02
Left Tilt 15 Degree	4182/836.4	RMC12.2K	0.186	0.148	-4.25	23.45	24.00	0.211	2021/8/02
Right Cheek	4182/836.4	RMC12.2K	0.280	0.220	3.53	23.45	24.00	0.318	2021/8/02
Right Tilt 15 Degree	4182/836.4	RMC12.2K	0.137	0.110	-2.02	23.45	24.00	0.155	2021/8/02

NOTE: Head SAR test results of WCDMA Band 5

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)	Date
			1g	10g					
Front Side	4182/836.4	RMC12.2K	0.176	0.133	-3.25	23.45	24.00	0.200	2021/8/02
Back Side	4182/836.4	RMC12.2K	0.289	0.221	-0.37	23.45	24.00	0.328	2021/8/02

NOTE: Body-Worn SAR test results of WCDMA Band 5

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)	Date
			1g	10g					
Front Side	4182/836.4	RMC12.2K	0.176	0.133	-3.25	23.45	24.00	0.200	2021/8/02
Back Side	4182/836.4	RMC12.2K	0.289	0.221	-0.37	23.45	24.00	0.328	2021/8/02
Left Side	4182/836.4	RMC12.2K	0.101	0.073	-0.96	23.45	24.00	0.115	2021/8/02
Right Side	4182/836.4	RMC12.2K	0.121	0.093	-1.78	23.45	24.00	0.137	2021/8/02
Bottom Side	4182/836.4	RMC12.2K	0.171	0.131	2.21	23.45	24.00	0.194	2021/8/02

NOTE: Hotspot SAR test results of WCDMA Band 5

10.1.8. SAR measurement Result of LTE Band 2

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)	Date
			1g	10g					
1RB									
Left	18900/1880	20M	0.214	0.134	-1.24	23.27	24.00	0.253	2021/8/03

Cheek		QPSK(1,49)							
Left Tilt 15 Degree	18900/1880	20M QPSK(1,49)	0.120	0.073	0.81	23.27	24.00	0.142	2021/8/03
Right Cheek	18900/1880	20M QPSK(1,49)	0.194	0.119	0.16	23.27	24.00	0.230	2021/8/03
Right Tilt 15 Degree	18900/1880	20M QPSK(1,49)	0.089	0.060	-0.83	23.27	24.00	0.105	2021/8/03
50%RB									
Left Cheek	18900/1880	20M QPSK(50,0)	0.123	0.069	-4.25	22.17	22.50	0.133	2021/8/03
Left Tilt 15 Degree	18900/1880	20M QPSK(50,0)	0.060	0.039	-3.63	22.17	22.50	0.065	2021/8/03
Right Cheek	18900/1880	20M QPSK(50,0)	0.116	0.071	-3.54	22.17	22.50	0.125	2021/8/03
Right Tilt 15 Degree	18900/1880	20M QPSK(50,0)	0.047	0.033	-3.46	22.17	22.50	0.051	2021/8/03

NOTE: Head SAR test results of LTE Band 2

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)	Date
			1g	10g					
1RB									
Front Side	18900/1880	20M QPSK(1,49)	0.313	0.175	3.44	23.27	24.00	0.370	2021/8/03
Back Side	18900/1880	20M QPSK(1,49)	0.482	0.281	-1.21	23.27	24.00	0.570	2021/8/03
50%RB									
Front Side	18900/1880	20M QPSK(50,0)	0.173	0.092	4.43	22.17	22.50	0.187	2021/8/03
Back Side	18900/1880	20M QPSK(50,0)	0.244	0.144	0.05	22.17	22.50	0.263	2021/8/03

NOTE: Body-Worn SAR test results of LTE Band 2

Test Position of	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date
			1g	10g					

Hotspot with 10mm									
1RB									
Front Side	18900/1880	20M QPSK(1,49)	0.313	0.175	3.44	23.27	24.00	0.370	2021/8/03
Back Side	18900/1880	20M QPSK(1,49)	0.482	0.281	-1.21	23.27	24.00	0.570	2021/8/03
Left Side	18900/1880	20M QPSK(1,49)	0.154	0.090	-1.93	23.27	24.00	0.182	2021/8/03
Right Side	18900/1880	20M QPSK(1,49)	0.193	0.108	-1.95	23.27	24.00	0.228	2021/8/03
Bottom Side	18900/1880	20M QPSK(1,49)	0.270	0.150	-3.33	23.27	24.00	0.319	2021/8/03
50%RB									
Front Side	18900/1880	20M QPSK(50,0)	0.173	0.092	4.43	22.17	22.50	0.187	2021/8/03
Back Side	18900/1880	20M QPSK(50,0)	0.244	0.144	0.05	22.17	22.50	0.263	2021/8/03
Left Side	18900/1880	20M QPSK(50,0)	0.086	0.054	-4.55	22.17	22.50	0.093	2021/8/03
Right Side	18900/1880	20M QPSK(50,0)	0.115	0.058	-1.85	22.17	22.50	0.124	2021/8/03
Bottom Side	18900/1880	20M QPSK(50,0)	0.143	0.078	-2.59	22.17	22.50	0.154	2021/8/03

NOTE: Hotspot SAR test results of LTE Band 2

10.1.9. SAR measurement Result of LTE Band 4

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)	Date
			1g	10g					
1RB									
Left Cheek	20175/1732.5	20M QPSK(1,49)	0.102	0.073	1.35	24.09	24.50	0.112	2021/7/30
Left Tilt 15 Degree	20175/1732.5	20M QPSK(1,49)	0.052	0.038	-1.40	24.09	24.50	0.057	2021/7/30
Right Cheek	20175/1732.5	20M QPSK(1,49)	0.095	0.064	1.37	24.09	24.50	0.104	2021/7/30

Right Tilt 15 Degree	20175/1732.5	20M QPSK(1,49)	0.050	0.035	0.98	24.09	24.50	0.055	2021/7/30
50%RB									
Left Cheek	20175/1732.5	20M QPSK(50,0)	0.058	0.042	-1.10	22.86	23.50	0.067	2021/7/30
Left Tilt 15 Degree	20175/1732.5	20M QPSK(50,0)	0.030	0.021	-1.48	22.86	23.50	0.035	2021/7/30
Right Cheek	20175/1732.5	20M QPSK(50,0)	0.056	0.033	2.67	22.86	23.50	0.065	2021/7/30
Right Tilt 15 Degree	20175/1732.5	20M QPSK(50,0)	0.025	0.018	1.18	22.86	23.50	0.029	2021/7/30

NOTE: Head SAR test results of LTE Band 4

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)	Date
			1g	10g					
1RB									
Front Side	20175/1732.5	20M QPSK(1,49)	0.406	0.197	2.23	24.09	24.50	0.446	2021/7/30
Back Side	20175/1732.5	20M QPSK(1,49)	0.635	0.324	3.60	24.09	24.50	0.698	2021/7/30
50%RB									
Front Side	20175/1732.5	20M QPSK(50,0)	0.241	0.110	-1.56	22.86	23.50	0.279	2021/7/30
Back Side	20175/1732.5	20M QPSK(50,0)	0.361	0.188	4.18	22.86	23.50	0.418	2021/7/30

NOTE: Body-Worn SAR test results of LTE Band 4

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)	Date
			1g	10g					
1RB									
Front Side	20175/1732.5	20M QPSK(1,49)	0.406	0.197	2.23	24.09	24.50	0.446	2021/7/30

Back Side	20175/1732.5	20M QPSK(1,49)	0.635	0.324	3.60	24.09	24.50	0.698	2021/7/30
Left Side	20175/1732.5	20M QPSK(1,49)	0.203	0.098	3.51	24.09	24.50	0.223	2021/7/30
Right Side	20175/1732.5	20M QPSK(1,49)	0.275	0.131	3.31	24.09	24.50	0.302	2021/7/30
Bottom Side	20175/1732.5	20M QPSK(1,49)	0.386	0.185	2.49	24.09	24.50	0.424	2021/7/30
50%RB									
Front Side	20175/1732.5	20M QPSK(50,0)	0.241	0.110	-1.56	22.86	23.50	0.279	2021/7/30
Back Side	20175/1732.5	20M QPSK(50,0)	0.361	0.188	4.18	22.86	23.50	0.418	2021/7/30
Left Side	20175/1732.5	20M QPSK(50,0)	0.110	0.049	-1.79	22.86	23.50	0.127	2021/7/30
Right Side	20175/1732.5	20M QPSK(50,0)	0.139	0.077	1.70	22.86	23.50	0.161	2021/7/30
Bottom Side	20175/1732.5	20M QPSK(50,0)	0.230	0.094	-2.64	22.86	23.50	0.267	2021/7/30

NOTE: Hotspot SAR test results of LTE Band 4

10.1.10. SAR measurement Result of LTE Band 5

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)	Date
			1g	10g					
1RB									
Left Cheek	20525/836.5	10M QPSK(1,24)	0.344	0.268	0.49	23.85	24.50	0.400	2021/8/02
Left Tilt 15 Degree	20525/836.5	10M QPSK(1,24)	0.192	0.148	-1.18	23.85	24.50	0.223	2021/8/02
Right Cheek	20525/836.5	10M QPSK(1,24)	0.323	0.251	4.59	23.85	24.50	0.375	2021/8/02
Right Tilt 15 Degree	20525/836.5	10M QPSK(1,24)	0.162	0.129	-0.98	23.85	24.50	0.188	2021/8/02
50%RB									
Left Cheek	20525/836.5	10M QPSK(25,0)	0.191	0.140	-0.59	22.81	23.00	0.200	2021/8/02

Left Tilt 15 Degree	20525/836.5	10M QPSK(25,0)	0.112	0.076	-4.54	22.81	23.00	0.117	2021/8/02
Right Cheek	20525/836.5	10M QPSK(25,0)	0.166	0.128	4.14	22.81	23.00	0.173	2021/8/02
Right Tilt 15 Degree	20525/836.5	10M QPSK(25,0)	0.093	0.066	-4.83	22.81	23.00	0.097	2021/8/02

NOTE: Head SAR test results of LTE Band 5

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)	Date
			1g	10g					
1RB									
Front Side	20525/836.5	10M QPSK(1,24)	0.201	0.153	-2.62	23.85	24.50	0.233	2021/8/02
Back Side	20525/836.5	10M QPSK(1,24)	0.309	0.238	-0.36	23.85	24.50	0.359	2021/8/02
50%RB									
Front Side	20525/836.5	10M QPSK(25,0)	0.112	0.083	-3.89	22.81	23.00	0.117	2021/8/02
Back Side	20525/836.5	10M QPSK(25,0)	0.183	0.125	3.33	22.81	23.00	0.191	2021/8/02

NOTE: Body-Worn SAR test results of LTE Band 5

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)	Date
			1g	10g					
1RB									
Front Side	20525/836.5	10M QPSK(1,24)	0.201	0.153	-2.62	23.85	24.50	0.233	2021/8/02
Back Side	20525/836.5	10M QPSK(1,24)	0.309	0.238	-0.36	23.85	24.50	0.359	2021/8/02
Left Side	20525/836.5	10M QPSK(1,24)	0.099	0.073	-0.10	23.85	24.50	0.115	2021/8/02
Right Side	20525/836.5	10M QPSK(1,24)	0.124	0.093	2.25	23.85	24.50	0.144	2021/8/02

Bottom Side	20525/836.5	10M QPSK(1,24)	0.176	0.131	1.11	23.85	24.50	0.204	2021/8/02
50%RB									
Front Side	20525/836.5	10M QPSK(25,0)	0.112	0.083	-3.89	22.81	23.00	0.117	2021/8/02
Back Side	20525/836.5	10M QPSK(25,0)	0.183	0.125	3.33	22.81	23.00	0.191	2021/8/02
Left Side	20525/836.5	10M QPSK(25,0)	0.058	0.039	-0.79	22.81	23.00	0.061	2021/8/02
Right Side	20525/836.5	10M QPSK(25,0)	0.074	0.049	3.56	22.81	23.00	0.077	2021/8/02
Bottom Side	20525/836.5	10M QPSK(25,0)	0.096	0.067	-0.67	22.81	23.00	0.100	2021/8/02

NOTE: Hotspot SAR test results of LTE Band 5

10.1.11. SAR measurement Result of LTE Band 7

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)	Date
			1g	10g					
1RB									
Left Cheek	21100/2535	20M QPSK(1,49)	0.160	0.091	-3.11	24.71	25.00	0.171	2021/8/06
Left Tilt 15 Degree	21100/2535	20M QPSK(1,49)	0.081	0.045	-1.65	24.71	25.00	0.087	2021/8/06
Right Cheek	21100/2535	20M QPSK(1,49)	0.141	0.076	-1.88	24.71	25.00	0.151	2021/8/06
Right Tilt 15 Degree	21100/2535	20M QPSK(1,49)	0.067	0.041	0.68	24.71	25.00	0.072	2021/8/06
50%RB									
Left Cheek	21100/2535	20M QPSK(50,24)	0.081	0.047	-3.28	23.73	24.00	0.086	2021/8/06
Left Tilt 15 Degree	21100/2535	20M QPSK(50,24)	0.042	0.024	4.38	23.73	24.00	0.045	2021/8/06
Right Cheek	21100/2535	20M QPSK(50,24)	0.072	0.042	0.46	23.73	24.00	0.077	2021/8/06
Right	21100/2535	20M	0.035	0.024	-3.80	23.73	24.00	0.037	2021/8/06

Tilt 15 Degree		QPSK(50,24)							
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NOTE: Head SAR test results of LTE Band 7

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)	Date
			1g	10g					
1RB									
Front Side	21100/2535	20M QPSK(1,49)	0.434	0.219	-1.54	24.71	25.00	0.464	2021/8/06
Back Side	21100/2535	20M QPSK(1,49)	0.664	0.375	-1.75	24.71	25.00	0.710	2021/8/06
50%RB									
Front Side	21100/2535	20M QPSK(50,24)	0.253	0.121	1.68	23.73	24.00	0.269	2021/8/06
Back Side	21100/2535	20M QPSK(50,24)	0.370	0.220	3.13	23.73	24.00	0.394	2021/8/06

NOTE: Body-Worn SAR test results of LTE Band 7

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)	Date
			1g	10g					
1RB									
Front Side	21100/2535	20M QPSK(1,49)	0.434	0.219	-1.54	24.71	25.00	0.464	2021/8/06
Back Side	21100/2535	20M QPSK(1,49)	0.664	0.375	-1.75	24.71	25.00	0.710	2021/8/06
Left Side	21100/2535	20M QPSK(1,49)	0.249	0.130	-1.15	24.71	25.00	0.266	2021/8/06
Right Side	21100/2535	20M QPSK(1,49)	0.306	0.153	1.25	24.71	25.00	0.327	2021/8/06
Bottom Side	21100/2535	20M QPSK(1,49)	0.399	0.206	1.34	24.71	25.00	0.427	2021/8/06
50%RB									
Front Side	21100/2535	20M QPSK(50,24)	0.253	0.121	1.68	23.73	24.00	0.269	2021/8/06
Back	21100/2535	20M	0.370	0.220	3.13	23.73	24.00	0.394	2021/8/06

Side		QPSK(50,24)							
Left Side	21100/2535	20M QPSK(50,24)	0.144	0.066	1.00	23.73	24.00	0.153	2021/8/06
Right Side	21100/2535	20M QPSK(50,24)	0.175	0.078	2.77	23.73	24.00	0.186	2021/8/06
Bottom Side	21100/2535	20M QPSK(50,24)	0.205	0.115	4.75	23.73	24.00	0.218	2021/8/06

NOTE: Hotspot SAR test results of LTE Band 7

10.1.12. SAR measurement Result of LTE Band 12

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)	Date
			1g	10g					
1RB									
Left Cheek	23095/707.5	10M QPSK(1,24)	0.186	0.152	-0.10	24.40	25.00	0.214	2021/8/09
Left Tilt 15 Degree	23095/707.5	10M QPSK(1,24)	0.099	0.082	-1.20	24.40	25.00	0.114	2021/8/09
Right Cheek	23095/707.5	10M QPSK(1,24)	0.165	0.130	-3.75	24.40	25.00	0.189	2021/8/09
Right Tilt 15 Degree	23095/707.5	10M QPSK(1,24)	0.080	0.067	0.18	24.40	25.00	0.092	2021/8/09
50%RB									
Left Cheek	23095/707.5	10M QPSK(25,12)	0.107	0.081	2.35	23.36	23.50	0.111	2021/8/09
Left Tilt 15 Degree	23095/707.5	10M QPSK(25,12)	0.054	0.044	1.45	23.36	23.50	0.056	2021/8/09
Right Cheek	23095/707.5	10M QPSK(25,12)	0.087	0.073	4.76	23.36	23.50	0.090	2021/8/09
Right Tilt 15 Degree	23095/707.5	10M QPSK(25,12)	0.044	0.040	-3.03	23.36	23.50	0.045	2021/8/09

NOTE: Head SAR test results of LTE Band 12

Test Position of Body-Worn	Test channel	Test Mode	SAR Value (W/kg)	Power Drift	Conducted power	Tune-up power	Scaled SAR	Date
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with 10mm	/Freq.		1g	10g	(±5%)	(dBm)	(dBm)	1g (W/Kg)	
1RB									
Front Side	23095/707.5	10M QPSK(1,24)	0.156	0.120	-3.19	24.40	25.00	0.179	2021/8/09
Back Side	23095/707.5	10M QPSK(1,24)	0.240	0.192	-0.30	24.40	25.00	0.276	2021/8/09
50%RB									
Front Side	23095/707.5	10M QPSK(25,12)	0.089	0.060	4.58	23.36	23.50	0.092	2021/8/09
Back Side	23095/707.5	10M QPSK(25,12)	0.136	0.105	3.46	23.36	23.50	0.140	2021/8/09

NOTE: Body-Worn SAR test results of LTE Band 12

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)	Date
			1g	10g					
1RB									
Front Side	23095/707.5	10M QPSK(1,24)	0.156	0.120	-3.19	24.40	25.00	0.179	2021/8/09
Back Side	23095/707.5	10M QPSK(1,24)	0.240	0.192	-0.30	24.40	25.00	0.276	2021/8/09
Left Side	23095/707.5	10M QPSK(1,24)	0.082	0.064	2.34	24.40	25.00	0.094	2021/8/09
Right Side	23095/707.5	10M QPSK(1,24)	0.096	0.077	0.83	24.40	25.00	0.110	2021/8/09
Bottom Side	23095/707.5	10M QPSK(1,24)	0.139	0.110	3.72	24.40	25.00	0.160	2021/8/09
50%RB									
Front Side	23095/707.5	10M QPSK(25,12)	0.089	0.060	4.58	23.36	23.50	0.092	2021/8/09
Back Side	23095/707.5	10M QPSK(25,12)	0.136	0.105	3.46	23.36	23.50	0.140	2021/8/09
Left Side	23095/707.5	10M QPSK(25,12)	0.043	0.035	1.09	23.36	23.50	0.044	2021/8/09
Right Side	23095/707.5	10M QPSK(25,12)	0.056	0.042	-1.67	23.36	23.50	0.058	2021/8/09
Bottom	23095/707.5	10M	0.078	0.056	-0.55	23.36	23.50	0.081	2021/8/09

Side		QPSK(25,12)							
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NOTE: Hotspot SAR test results of LTE Band 12

10.1.13. SAR measurement Result of LTE Band 13

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)	Date
			1g	10g					
1RB									
Left Cheek	23230/782	10M QPSK(1,24)	0.221	0.176	1.49	24.30	25.00	0.260	2021/8/09
Left Tilt 15 Degree	23230/782	10M QPSK(1,24)	0.131	0.102	-0.12	24.30	25.00	0.154	2021/8/09
Right Cheek	23230/782	10M QPSK(1,24)	0.195	0.160	0.74	24.30	25.00	0.229	2021/8/09
Right Tilt 15 Degree	23230/782	10M QPSK(1,24)	0.096	0.077	-3.96	24.30	25.00	0.113	2021/8/09
50%RB									
Left Cheek	23230/782	10M QPSK(25,24)	0.116	0.103	-2.40	23.22	23.50	0.124	2021/8/09
Left Tilt 15 Degree	23230/782	10M QPSK(25,24)	0.073	0.051	0.48	23.22	23.50	0.078	2021/8/09
Right Cheek	23230/782	10M QPSK(25,24)	0.107	0.093	1.94	23.22	23.50	0.114	2021/8/09
Right Tilt 15 Degree	23230/782	10M QPSK(25,24)	0.054	0.043	2.88	23.22	23.50	0.058	2021/8/09

NOTE: Head SAR test results of LTE Band 13

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)	Date
			1g	10g					
1RB									
Front Side	23230/782	10M QPSK(1,24)	0.142	0.107	1.94	24.30	25.00	0.167	2021/8/09
Back Side	23230/782	10M	0.232	0.174	-0.13	24.30	25.00	0.273	2021/8/09

		QPSK(1,24)							
50%RB									
Front Side	23230/782	10M QPSK(25,24)	0.084	0.063	-1.98	23.22	23.50	0.090	2021/8/09
Back Side	23230/782	10M QPSK(25,24)	0.133	0.088	3.06	23.22	23.50	0.142	2021/8/09

NOTE: Body-Worn SAR test results of LTE Band 13

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)	Date
			1g	10g					
1RB									
Front Side	23230/782	10M QPSK(1,24)	0.142	0.107	1.94	24.30	25.00	0.167	2021/8/09
Back Side	23230/782	10M QPSK(1,24)	0.232	0.174	-0.13	24.30	25.00	0.273	2021/8/09
Left Side	23230/782	10M QPSK(1,24)	0.072	0.054	0.59	24.30	25.00	0.085	2021/8/09
Right Side	23230/782	10M QPSK(1,24)	0.095	0.068	2.67	24.30	25.00	0.112	2021/8/09
Bottom Side	23230/782	10M QPSK(1,24)	0.139	0.104	-0.92	24.30	25.00	0.163	2021/8/09
50%RB									
Front Side	23230/782	10M QPSK(25,24)	0.084	0.063	-1.98	23.22	23.50	0.090	2021/8/09
Back Side	23230/782	10M QPSK(25,24)	0.133	0.088	3.06	23.22	23.50	0.142	2021/8/09
Left Side	23230/782	10M QPSK(25,24)	0.038	0.030	-1.08	23.22	23.50	0.041	2021/8/09
Right Side	23230/782	10M QPSK(25,24)	0.056	0.034	4.32	23.22	23.50	0.060	2021/8/09
Bottom Side	23230/782	10M QPSK(25,24)	0.070	0.057	-4.10	23.22	23.50	0.075	2021/8/09

NOTE: Hotspot SAR test results of LTE Band 13

10.1.14. SAR measurement Result of LTE Band 17

Test	Test	Test Mode	SAR Value	Power	Conducted	Tune-up	Scaled	Date
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Position of Head	channel /Freq.		(W/kg)		Drift (±5%)	power (dBm)	power (dBm)	SAR 1g (W/Kg)	
			1g	10g					
1RB									
Left Cheek	23790/710	10M QPSK(1,24)	0.194	0.157	1.56	24.37	25.00	0.224	2021/8/09
Left Tilt 15 Degree	23790/710	10M QPSK(1,24)	0.113	0.095	1.32	24.37	25.00	0.131	2021/8/09
Right Cheek	23790/710	10M QPSK(1,24)	0.176	0.144	2.45	24.37	25.00	0.203	2021/8/09
Right Tilt 15 Degree	23790/710	10M QPSK(1,24)	0.093	0.080	0.30	24.37	25.00	0.108	2021/8/09
50%RB									
Left Cheek	23790/710	10M QPSK(25,0)	0.100	0.081	-4.06	23.28	23.50	0.105	2021/8/09
Left Tilt 15 Degree	23790/710	10M QPSK(25,0)	0.064	0.055	1.40	23.28	23.50	0.067	2021/8/09
Right Cheek	23790/710	10M QPSK(25,0)	0.096	0.082	2.12	23.28	23.50	0.101	2021/8/09
Right Tilt 15 Degree	23790/710	10M QPSK(25,0)	0.047	0.041	-3.00	23.28	23.50	0.049	2021/8/09

NOTE: Head SAR test results of LTE Band17

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)	Date
			1g	10g					
1RB									
Front Side	23790/710	10M QPSK(1,24)	0.149	0.121	1.27	24.37	25.00	0.172	2021/8/09
Back Side	23790/710	10M QPSK(1,24)	0.237	0.192	-0.02	24.37	25.00	0.274	2021/8/09
50%RB									
Front Side	23790/710	10M QPSK(25,0)	0.084	0.069	1.43	23.28	23.50	0.088	2021/8/09
Back Side	23790/710	10M QPSK(25,0)	0.131	0.112	1.66	23.28	23.50	0.138	2021/8/09

NOTE: Body-Worn SAR test results of LTE Band 17

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)	Date
			1g	10g					
1RB									
Front Side	23790/710	10M QPSK(1,24)	0.149	0.121	1.27	24.37	25.00	0.172	2021/8/09
Back Side	23790/710	10M QPSK(1,24)	0.237	0.192	-0.02	24.37	25.00	0.274	2021/8/09
Left Side	23790/710	10M QPSK(1,24)	0.081	0.064	-0.52	24.37	25.00	0.094	2021/8/09
Right Side	23790/710	10M QPSK(1,24)	0.104	0.082	2.22	24.37	25.00	0.120	2021/8/09
Bottom Side	23790/710	10M QPSK(1,24)	0.137	0.109	-0.86	24.37	25.00	0.158	2021/8/09
50%RB									
Front Side	23790/710	10M QPSK(25,0)	0.084	0.069	1.43	23.28	23.50	0.088	2021/8/09
Back Side	23790/710	10M QPSK(25,0)	0.131	0.112	1.66	23.28	23.50	0.138	2021/8/09
Left Side	23790/710	10M QPSK(25,0)	0.042	0.036	-0.36	23.28	23.50	0.044	2021/8/09
Right Side	23790/710	10M QPSK(25,0)	0.055	0.043	-4.90	23.28	23.50	0.058	2021/8/09
Bottom Side	23790/710	10M QPSK(25,0)	0.074	0.064	3.01	23.28	23.50	0.078	2021/8/09

NOTE: Hotspot SAR test results of LTE Band 17

10.1.15. SAR measurement Result of LTE Band 25

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)	Date
			1g	10g					
1RB									
Left Cheek	26365/1882.5	20M QPSK(1,49)	0.200	0.124	-2.34	25.04	25.50	0.222	2021/8/03

Left Tilt 15 Degree	26365/1882.5	20M QPSK(1,49)	0.119	0.070	-2.07	25.04	25.50	0.132	2021/8/03
Right Cheek	26365/1882.5	20M QPSK(1,49)	0.181	0.111	3.69	25.04	25.50	0.201	2021/8/03
Right Tilt 15 Degree	26365/1882.5	20M QPSK(1,49)	0.085	0.053	4.39	25.04	25.50	0.094	2021/8/03
50%RB									
Left Cheek	26365/1882.5	20M QPSK(50,0)	0.109	0.070	4.54	23.91	24.50	0.125	2021/8/03
Left Tilt 15 Degree	26365/1882.5	20M QPSK(50,0)	0.065	0.036	1.20	23.91	24.50	0.074	2021/8/03
Right Cheek	26365/1882.5	20M QPSK(50,0)	0.097	0.060	-3.40	23.91	24.50	0.111	2021/8/03
Right Tilt 15 Degree	26365/1882.5	20M QPSK(50,0)	0.047	0.031	-2.92	23.91	24.50	0.054	2021/8/03

NOTE: Head SAR test results of LTE Band 25

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)	Date
			1g	10g					
1RB									
Front Side	26365/1882.5	20M QPSK(1,49)	0.297	0.172	-3.81	25.04	25.50	0.330	2021/8/03
Back Side	26365/1882.5	20M QPSK(1,49)	0.495	0.289	-1.51	25.04	25.50	0.550	2021/8/03
50%RB									
Front Side	26365/1882.5	20M QPSK(50,0)	0.149	0.090	-2.59	23.91	24.50	0.171	2021/8/03
Back Side	26365/1882.5	20M QPSK(50,0)	0.248	0.162	4.97	23.91	24.50	0.284	2021/8/03

NOTE: Body-Worn SAR test results of LTE Band 25

Test Position of Hotspot	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date
			1g	10g					

with 10mm									
1RB									
Front Side	26365/1882.5	20M QPSK(1,49)	0.297	0.172	-3.81	25.04	25.50	0.330	2021/8/03
Back Side	26365/1882.5	20M QPSK(1,49)	0.495	0.289	-1.51	25.04	25.50	0.550	2021/8/03
Left Side	26365/1882.5	20M QPSK(1,49)	0.173	0.098	-2.60	25.04	25.50	0.192	2021/8/03
Right Side	26365/1882.5	20M QPSK(1,49)	0.198	0.112	0.36	25.04	25.50	0.220	2021/8/03
Bottom Side	26365/1882.5	20M QPSK(1,49)	0.277	0.157	1.52	25.04	25.50	0.308	2021/8/03
50%RB									
Front Side	26365/1882.5	20M QPSK(50,0)	0.149	0.090	-2.59	23.91	24.50	0.171	2021/8/03
Back Side	26365/1882.5	20M QPSK(50,0)	0.248	0.162	4.97	23.91	24.50	0.284	2021/8/03
Left Side	26365/1882.5	20M QPSK(50,0)	0.093	0.057	4.60	23.91	24.50	0.107	2021/8/03
Right Side	26365/1882.5	20M QPSK(50,0)	0.112	0.061	-3.45	23.91	24.50	0.128	2021/8/03
Bottom Side	26365/1882.5	20M QPSK(50,0)	0.149	0.079	-4.46	23.91	24.50	0.171	2021/8/03

NOTE: Head SAR test results of LTE Band 25

10.1.16. SAR measurement Result of LTE Band 26A

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)	Date
			1g	10g					
1RB									
Left Cheek	26740/819	10M QPSK(1,24)	0.341	0.265	3.37	24.55	25.00	0.378	2021/8/02
Left Tilt 15 Degree	26740/819	10M QPSK(1,24)	0.204	0.160	-0.56	24.55	25.00	0.226	2021/8/02
Right Cheek	26740/819	10M QPSK(1,24)	0.306	0.236	-3.64	24.55	25.00	0.339	2021/8/02
Right	26740/819	10M	0.140	0.112	-1.96	24.55	25.00	0.155	2021/8/02

Tilt 15 Degree		QPSK(1,24)							
50%RB									
Left Cheek	26740/819	10M QPSK(25,24)	0.200	0.147	2.96	23.45	23.50	0.202	2021/8/02
Left Tilt 15 Degree	26740/819	10M QPSK(25,24)	0.122	0.092	3.38	23.45	23.50	0.123	2021/8/02
Right Cheek	26740/819	10M QPSK(25,24)	0.170	0.133	-3.34	23.45	23.50	0.172	2021/8/02
Right Tilt 15 Degree	26740/819	10M QPSK(25,24)	0.071	0.057	1.21	23.45	23.50	0.072	2021/8/02

NOTE: Head SAR test results of LTE Band 26A

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)	Date
			1g	10g					
1RB									
Front Side	26740/819	10M QPSK(1,24)	0.209	0.158	-2.83	24.55	25.00	0.232	2021/8/02
Back Side	26740/819	10M QPSK(1,24)	0.322	0.248	0.35	24.55	25.00	0.357	2021/8/02
50%RB									
Front Side	26740/819	10M QPSK(25,24)	0.107	0.089	3.03	23.45	23.50	0.108	2021/8/02
Back Side	26740/819	10M QPSK(25,24)	0.182	0.147	-4.40	23.45	23.50	0.184	2021/8/02

NOTE: Body-Worn SAR test results of LTE Band 26A

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)	Date
			1g	10g					
1RB									
Front Side	26740/819	10M QPSK(1,24)	0.209	0.158	-2.83	24.55	25.00	0.232	2021/8/02
Back	26740/819	10M	0.322	0.248	0.35	24.55	25.00	0.357	2021/8/02

Side		QPSK(1,24)							
Left Side	26740/819	10M QPSK(1,24)	0.103	0.078	-0.10	24.55	25.00	0.114	2021/8/02
Right Side	26740/819	10M QPSK(1,24)	0.135	0.102	-2.11	24.55	25.00	0.150	2021/8/02
Bottom Side	26740/819	10M QPSK(1,24)	0.180	0.133	-2.75	24.55	25.00	0.200	2021/8/02
50%RB									
Front Side	26740/819	10M QPSK(25,24)	0.107	0.089	3.03	23.45	23.50	0.108	2021/8/02
Back Side	26740/819	10M QPSK(25,24)	0.182	0.147	-4.40	23.45	23.50	0.184	2021/8/02
Left Side	26740/819	10M QPSK(25,24)	0.054	0.043	3.52	23.45	23.50	0.055	2021/8/02
Right Side	26740/819	10M QPSK(25,24)	0.074	0.060	-0.90	23.45	23.50	0.075	2021/8/02
Bottom Side	26740/819	10M QPSK(25,24)	0.107	0.071	0.56	23.45	23.50	0.108	2021/8/02

NOTE: Hotspot SAR test results of LTE Band 26A

10.1.17. SAR measurement Result of LTE Band 26B

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)	Date
			1g	10g					
1RB									
Left Cheek	26915/836.5	15M QPSK(1,37)	0.132	0.089	2.33	24.54	25.00	0.147	2021/8/2
Left Tilt 15 Degree	26915/836.5	15M QPSK(1,37)	0.067	0.048	1.79	24.54	25.00	0.074	2021/8/2
Right Cheek	26915/836.5	15M QPSK(1,37)	0.122	0.080	-0.01	24.54	25.00	0.136	2021/8/2
Right Tilt 15 Degree	26915/836.5	15M QPSK(1,37)	0.065	0.044	4.94	24.54	25.00	0.072	2021/8/2
50%RB									
Left Cheek	26915/836.5	15M QPSK(36,18)	0.075	0.046	-0.65	23.52	24.00	0.084	2021/8/2
Left Tilt 15	26915/836.5	15M QPSK(36,18)	0.035	0.028	3.21	23.52	24.00	0.039	2021/8/2

Degree									
Right Cheek	26915/836.5	15M QPSK(36,18)	0.071	0.047	1.03	23.52	24.00	0.079	2021/8/2
Right Tilt 15 Degree	26915/836.5	15M QPSK(36,18)	0.036	0.023	3.82	23.52	24.00	0.040	2021/8/2

NOTE: Head SAR test results of LTE Band 26B

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)	Date
			1g	10g					
1RB									
Front Side	26915/836.5	15M QPSK(1,37)	0.258	0.142	0.16	24.54	25.00	0.287	2021/8/2
Back Side	26915/836.5	15M QPSK(1,37)	0.384	0.218	1.06	24.54	25.00	0.427	2021/8/2
50%RB									
Front Side	26915/836.5	15M QPSK(36,18)	0.144	0.084	-0.87	23.52	24.00	0.161	2021/8/2
Back Side	26915/836.5	15M QPSK(36,18)	0.209	0.115	2.07	23.52	24.00	0.233	2021/8/2

NOTE: Body-Worn SAR test results of LTE Band 26B

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)	Date
			1g	10g					
1RB									
Front Side	26915/836.5	15M QPSK(1,37)	0.258	0.142	0.16	24.54	25.00	0.287	2021/8/2
Back Side	26915/836.5	15M QPSK(1,37)	0.384	0.218	1.06	24.54	25.00	0.427	2021/8/2
Left Side	26915/836.5	15M QPSK(1,37)	0.120	0.066	3.13	24.54	25.00	0.133	2021/8/2
Right Side	26915/836.5	15M QPSK(1,37)	0.110	0.058	1.25	24.54	25.00	0.122	2021/8/2
Bottom Side	26915/836.5	15M QPSK(1,37)	0.160	0.091	1.51	24.54	25.00	0.178	2021/8/2

50%RB									
Front Side	26915/836.5	15M QPSK(36,18)	0.144	0.084	-0.87	23.52	24.00	0.161	2021/8/2
Back Side	26915/836.5	15M QPSK(36,18)	0.209	0.115	2.07	23.52	24.00	0.233	2021/8/2
Left Side	26915/836.5	15M QPSK(36,18)	0.062	0.034	-4.36	23.52	24.00	0.069	2021/8/2
Right Side	26915/836.5	15M QPSK(36,18)	0.056	0.028	1.34	23.52	24.00	0.063	2021/8/2
Bottom Side	26915/836.5	15M QPSK(36,18)	0.083	0.047	-0.43	23.52	24.00	0.093	2021/8/2

NOTE: Hotspot SAR test results of LTE Band 26B

10.1.18. SAR measurement Result of LTE Band 41

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)	Date
			1g	10g					
1RB									
Left Cheek	40640/2595	20M QPSK(1,49)	0.064	0.042	0.45	24.62	25.00	0.070	2021/8/06
Left Tilt 15 Degree	40640/2595	20M QPSK(1,49)	0.038	0.026	3.08	24.62	25.00	0.041	2021/8/06
Right Cheek	40640/2595	20M QPSK(1,49)	0.057	0.038	-1.17	24.62	25.00	0.062	2021/8/06
Right Tilt 15 Degree	40640/2595	20M QPSK(1,49)	0.026	0.022	-3.64	24.62	25.00	0.028	2021/8/06
50%RB									
Left Cheek	40640/2595	20M QPSK(50,24)	0.034	0.021	-1.90	23.56	24.00	0.038	2021/8/06
Left Tilt 15 Degree	40640/2595	20M QPSK(50,24)	0.020	0.016	-2.37	23.56	24.00	0.022	2021/8/06
Right Cheek	40640/2595	20M QPSK(50,24)	0.033	0.022	-4.67	23.56	24.00	0.037	2021/8/06
Right Tilt 15 Degree	40640/2595	20M QPSK(50,24)	0.015	0.012	-3.02	23.56	24.00	0.017	2021/8/06

NOTE: Head SAR test results of LTE Band 41

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)	Date
			1g	10g					
1RB									
Front Side	40640/2595	20M QPSK(1,49)	0.194	0.104	1.67	24.62	25.00	0.212	2021/8/06
Back Side	40640/2595	20M QPSK(1,49)	0.318	0.173	-0.71	24.62	25.00	0.347	2021/8/06
50%RB									
Front Side	40640/2595	20M QPSK(50,24)	0.112	0.059	1.10	23.56	24.00	0.124	2021/8/06
Back Side	40640/2595	20M QPSK(50,24)	0.183	0.092	4.98	23.56	24.00	0.203	2021/8/06

NOTE: Body-Worn SAR test results of LTE Band 41

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)	Date
			1g	10g					
1RB									
Front Side	40640/2595	20M QPSK(1,49)	0.194	0.104	1.67	24.62	25.00	0.212	2021/8/06
Back Side	40640/2595	20M QPSK(1,49)	0.318	0.173	-0.71	24.62	25.00	0.347	2021/8/06
Left Side	40640/2595	20M QPSK(1,49)	0.111	0.058	1.14	24.62	25.00	0.121	2021/8/06
Right Side	40640/2595	20M QPSK(1,49)	0.140	0.075	-3.67	24.62	25.00	0.153	2021/8/06
Bottom Side	40640/2595	20M QPSK(1,49)	0.181	0.095	-1.50	24.62	25.00	0.198	2021/8/06
50%RB									
Front Side	40640/2595	20M QPSK(50,24)	0.112	0.059	1.10	23.56	24.00	0.124	2021/8/06
Back Side	40640/2595	20M QPSK(50,24)	0.183	0.092	4.98	23.56	24.00	0.203	2021/8/06
Left Side	40640/2595	20M QPSK(50,24)	0.065	0.031	1.23	23.56	24.00	0.072	2021/8/06
Right	40640/2595	20M	0.078	0.042	3.80	23.56	24.00	0.086	2021/8/06

Side		QPSK(50,24)							
Bottom Side	40640/2595	20M QPSK(50,24)	0.099	0.050	3.94	23.56	24.00	0.110	2021/8/06

NOTE: Head SAR test results of LTE Band 41

10.1.19. SAR measurement Result of LTE Band 66

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)	Date
			1g	10g					
1RB									
Left Cheek	132322/1745	20M QPSK(1,49)	0.121	0.084	0.81	24.64	25.00	0.131	2021/7/30
Left Tilt 15 Degree	132322/1745	20M QPSK(1,49)	0.069	0.046	5.50	24.64	25.00	0.075	2021/7/30
Right Cheek	132322/1745	20M QPSK(1,49)	0.114	0.078	-0.13	24.64	25.00	0.124	2021/7/30
Right Tilt 15 Degree	132322/1745	20M QPSK(1,49)	0.062	0.042	-0.84	24.64	25.00	0.067	2021/7/30
50%RB									
Left Cheek	132322/1745	20M QPSK(50,0)	0.071	0.050	3.99	23.54	24.00	0.079	2021/7/30
Left Tilt 15 Degree	132322/1745	20M QPSK(50,0)	0.036	0.025	1.32	23.54	24.00	0.040	2021/7/30
Right Cheek	132322/1745	20M QPSK(50,0)	0.068	0.044	2.13	23.54	24.00	0.076	2021/7/30
Right Tilt 15 Degree	132322/1745	20M QPSK(50,0)	0.034	0.023	-0.48	23.54	24.00	0.038	2021/7/30

NOTE: Head SAR test results of LTE Band 66

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)	Date
			1g	10g					
1RB									
Front Side	132322/1745	20M QPSK(1,49)	0.355	0.166	2.15	24.64	25.00	0.386	2021/7/30
Back Side	132322/1745	20M	0.591	0.291	0.61	24.64	25.00	0.642	2021/7/30

		QPSK(1,49)							
50%RB									
Front Side	132322/1745	20M QPSK(50,0)	0.193	0.093	3.30	23.54	24.00	0.215	2021/7/30
Back Side	132322/1745	20M QPSK(50,0)	0.353	0.173	-1.31	23.54	24.00	0.392	2021/7/30

NOTE: Body-Worn SAR test results of LTE Band 66

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)	Date
			1g	10g					
1RB									
Front Side	132322/1745	20M QPSK(1,49)	0.355	0.166	2.15	24.64	25.00	0.386	2021/7/30
Back Side	132322/1745	20M QPSK(1,49)	0.591	0.291	0.61	24.64	25.00	0.642	2021/7/30
Left Side	132322/1745	20M QPSK(1,49)	0.207	0.097	2.86	24.64	25.00	0.225	2021/7/30
Right Side	132322/1745	20M QPSK(1,49)	0.248	0.120	-3.49	24.64	25.00	0.269	2021/7/30
Bottom Side	132322/1745	20M QPSK(1,49)	0.343	0.166	3.76	24.64	25.00	0.373	2021/7/30
50%RB									
Front Side	132322/1745	20M QPSK(50,0)	0.193	0.093	3.30	23.54	24.00	0.215	2021/7/30
Back Side	132322/1745	20M QPSK(50,0)	0.353	0.173	-1.31	23.54	24.00	0.392	2021/7/30
Left Side	132322/1745	20M QPSK(50,0)	0.108	0.057	-3.33	23.54	24.00	0.120	2021/7/30
Right Side	132322/1745	20M QPSK(50,0)	0.144	0.063	-1.42	23.54	24.00	0.160	2021/7/30
Bottom Side	132322/1745	20M QPSK(50,0)	0.181	0.088	4.33	23.54	24.00	0.201	2021/7/30

NOTE: Head SAR test results of LTE Band 66

10.1.20. SAR measurement Result of WLAN 2.4G

Test Position of Head	Test channel	Test Mode	SAR Value (W/kg)	Power Drift	Conducted power	Tune-up power	Scaled SAR	Date
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	/Freq.		1g	10g	(±5%)	(dBm)	(dBm)	1g (W/Kg)	
Left Cheek	6/2437	802.11b	0.252	0.138	1.89	13.75	14.00	0.267	2021/8/01
Left Tilt 15 Degree	6/2437	802.11b	0.143	0.081	-2.69	13.75	14.00	0.151	2021/8/01
Right Cheek	6/2437	802.11b	0.216	0.117	-4.58	13.75	14.00	0.229	2021/8/01
Right Tilt 15 Degree	6/2437	802.11b	0.100	0.060	3.96	13.75	14.00	0.106	2021/8/01

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)	Date
			1g	10g					
Front Side	6/2437	802.11b	0.065	0.038	-4.95	13.75	14.00	0.069	2021/8/01
Back Side	6/2437	802.11b	0.104	0.059	-4.06	13.75	14.00	0.110	2021/8/01

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

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)	Date
			1g	10g					
Front Side	6/2437	802.11b	0.065	0.038	-4.95	13.75	14.00	0.069	2021/8/01
Back Side	6/2437	802.11b	0.104	0.059	-4.06	13.75	14.00	0.110	2021/8/01
Right Side	6/2437	802.11b	0.025	0.012	-1.59	13.75	14.00	0.026	2021/8/01
Top Side	6/2437	802.11b	0.033	0.020	3.44	13.75	14.00	0.035	2021/8/01

NOTE: Hotspot SAR test results of WLAN 2.4G

10.1.21. 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)	Date
			1g	10g					
Left Cheek	40/5200	802.11a	0.282	0.123	3.47	9.753	10.000	0.299	2021/8/10
Left Tilt 15 Degree	40/5200	802.11a	0.168	0.073	1.50	9.753	10.000	0.178	2021/8/10
Right Cheek	40/5200	802.11a	0.257	0.106	-0.29	9.753	10.000	0.272	2021/8/10
Right Tilt 15 Degree	40/5200	802.11a	0.120	0.052	-1.40	9.753	10.000	0.127	2021/8/10

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 ($\pm 5\%$)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date
			1g	10g					
Front Side	40/5200	802.11a	0.111	0.067	-2.26	9.753	10.000	0.117	2021/8/10
Back Side	40/5200	802.11a	0.182	0.114	3.73	9.753	10.000	0.193	2021/8/10

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

Test Position of Hotspot with 10mm	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)	Date
			1g	10g					
Front Side	40/5200	802.11a	0.111	0.067	-2.26	9.753	10.000	0.117	2021/8/10
Back Side	40/5200	802.11a	0.182	0.114	3.73	9.753	10.000	0.193	2021/8/10
Right Side	40/5200	802.11a	0.073	0.043	2.44	9.753	10.000	0.077	2021/8/10
Top Side	40/5200	802.11a	0.082	0.049	-0.78	9.753	10.000	0.087	2021/8/10

NOTE: Hotspot SAR test results of WLAN 5.2G

10.1.22. SAR measurement Result of WLAN 5.8G

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)	Date
			1g	10g					
Left Cheek	157/5785	802.11n HT20	0.294	0.117	-0.65	9.389	10.500	0.380	2021/8/11
Left Tilt 15 Degree	157/5785	802.11n HT20	0.150	0.069	0.22	9.389	10.500	0.194	2021/8/11
Right Cheek	157/5785	802.11n HT20	0.222	0.099	-0.41	9.389	10.500	0.287	2021/8/11
Right Tilt 15 Degree	157/5785	802.11n HT20	0.122	0.056	-4.84	9.389	10.500	0.158	2021/8/11

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 ($\pm 5\%$)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date
			1g	10g					
Front Side	157/5785	802.11n HT20	0.096	0.065	-0.54	9.389	10.500	0.124	2021/8/11
Back Side	157/5785	802.11n	0.153	0.103	-2.16	9.389	10.500	0.198	2021/8/11

		HT20							
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NOTE: Body-Worn SAR test results of WLAN 5.8G

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)	Date
			1g	10g					
Front Side	157/5785	802.11n HT20	0.096	0.065	-0.54	9.389	10.500	0.124	2021/8/11
Back Side	157/5785	802.11n HT20	0.153	0.103	-2.16	9.389	10.500	0.198	2021/8/11
Right Side	157/5785	802.11n HT20	0.063	0.042	-0.48	9.389	10.500	0.081	2021/8/11
Top Side	157/5785	802.11n HT20	0.073	0.048	-1.77	9.389	10.500	0.094	2021/8/11

NOTE: Hotspot SAR test results of WLAN 5.8G

10.2. Simultaneous Transmission Analysis

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

- Scalar SAR summation < 1.6W/kg.
- $SPLSR = (SAR_1 + SAR_2)^{1.5} / (\text{min. separation distance, mm})$, 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
		WWAN	DTS			
Head	Left Cheek	0.589	0.267	0.856	N/A	N/A
	Left Tilt 15 Degree	0.312	0.151	0.463	N/A	N/A
	Right Cheek	0.494	0.229	0.723	N/A	N/A
	Right Tilt 15 Degree	0.255	0.106	0.361	N/A	N/A
Body-Worn	Front Side	0.464	0.069	0.533	N/A	N/A
	Back Side	0.710	0.110	0.820	N/A	N/A
Hotspot	Front Side	0.464	0.069	0.533	N/A	N/A
	Back Side	0.710	0.110	0.820	N/A	N/A
	Left Side	0.266	N/A	0.266	N/A	N/A
	Right Side	0.327	0.026	0.353	N/A	N/A

	Top Side	N/A	0.035	0.035	N/A	N/A
	Bottom Side	0.427	N/A	0.427	N/A	N/A

Test Position		Scaled SAR _{MAX}		$\Sigma 1\text{-g SAR}$ (W/Kg)	SPLSR	Remark
		WWAN	NII			
Head	Left Cheek	0.589	0.380	0.969	N/A	N/A
	Left Tilt 15 Degree	0.312	0.194	0.506	N/A	N/A
	Right Cheek	0.494	0.287	0.781	N/A	N/A
	Right Tilt 15 Degree	0.255	0.158	0.413	N/A	N/A
Body-Worn	Front Side	0.464	0.124	0.588	N/A	N/A
	Back Side	0.710	0.198	0.908	N/A	N/A
Hotspot	Front Side	0.464	0.124	0.588	N/A	N/A
	Back Side	0.710	0.198	0.908	N/A	N/A
	Left Side	0.266	N/A	0.266	N/A	N/A
	Right Side	0.327	0.081	0.408	N/A	N/A
	Top Side	N/A	0.094	0.094	N/A	N/A
	Bottom Side	0.427	N/A	0.427	N/A	N/A

Test Position		Scaled SAR _{MAX}		$\Sigma 1\text{-g SAR}$ (W/Kg)	SPLSR	Remark
		WWAN	DSS			
Head	Left Cheek	0.589	0.105	0.694	N/A	N/A
	Left Tilt 15 Degree	0.312	0.105	0.417	N/A	N/A
	Right Cheek	0.494	0.105	0.599	N/A	N/A
	Right Tilt 15 Degree	0.255	0.105	0.360	N/A	N/A
Body-Worn	Front Side	0.464	0.053	0.517	N/A	N/A
	Back Side	0.710	0.053	0.763	N/A	N/A
Hotspot	Front Side	0.464	0.053	0.517	N/A	N/A
	Back Side	0.710	0.053	0.763	N/A	N/A
	Left Side	0.266	N/A	0.266	N/A	N/A
	Right Side	0.327	0.053	0.380	N/A	N/A
	Top Side	N/A	0.053	0.053	N/A	N/A

	Bottom Side	0.427	N/A	0.427	N/A	N/A
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11. Appendix A. Photo documentation

Refer to appendix Test Setup photo---SAR

12. Appendix B. System Check Plots

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MEASUREMENT 7 System Performance Check - 5200MHz
MEASUREMENT 8 System Performance Check - 5800MHz

MEASUREMENT 1

Date of measurement: 9/8/2021

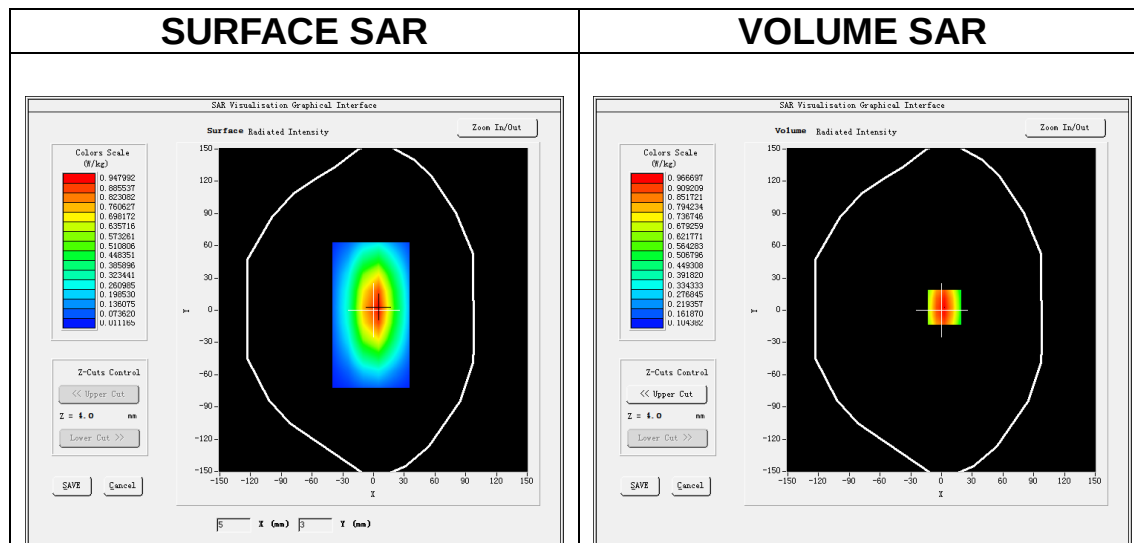
A. Experimental conditions.

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

B. SAR Measurement Results

Frequency (MHz)	750.000000
Relative permittivity (real part)	41.471256
Relative permittivity (imaginary part)	21.359836
Conductivity (S/m)	0.889993
Variation (%)	-3.810000

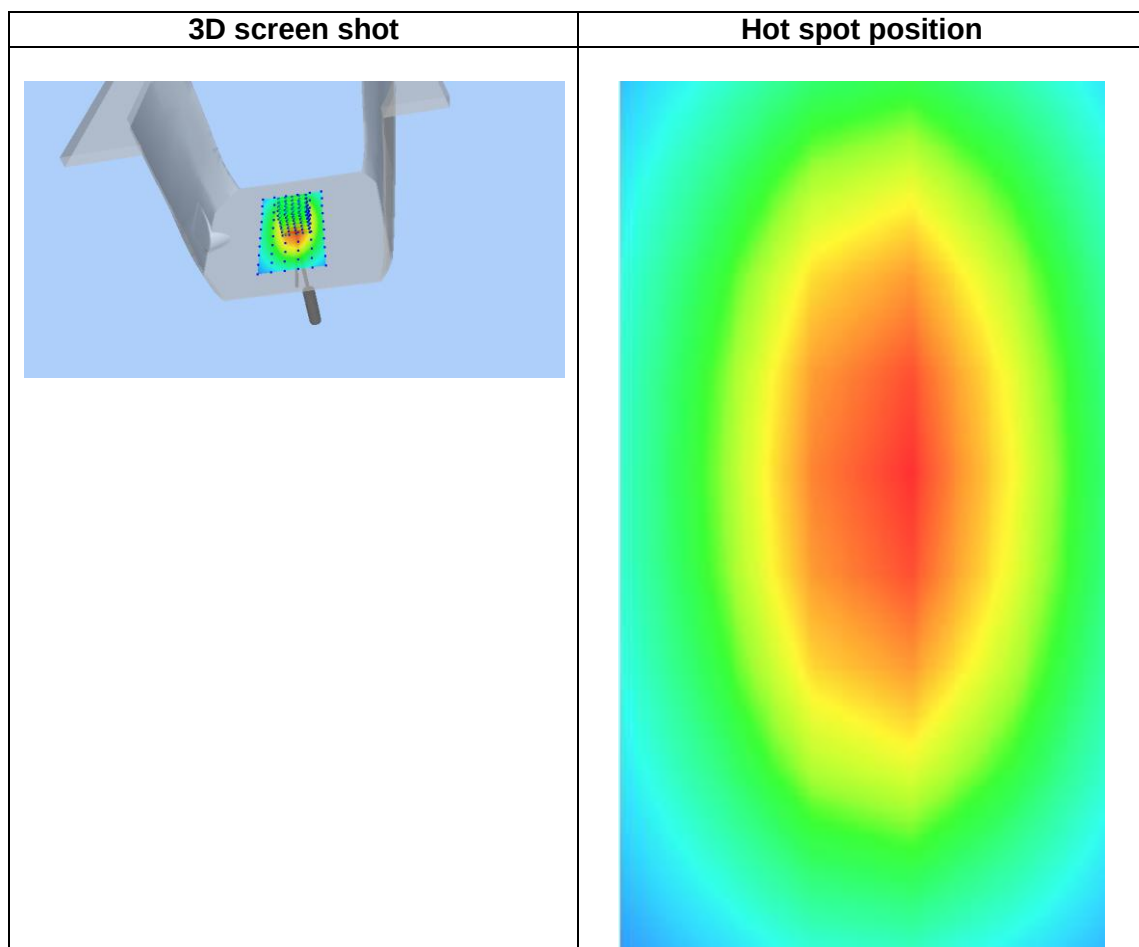
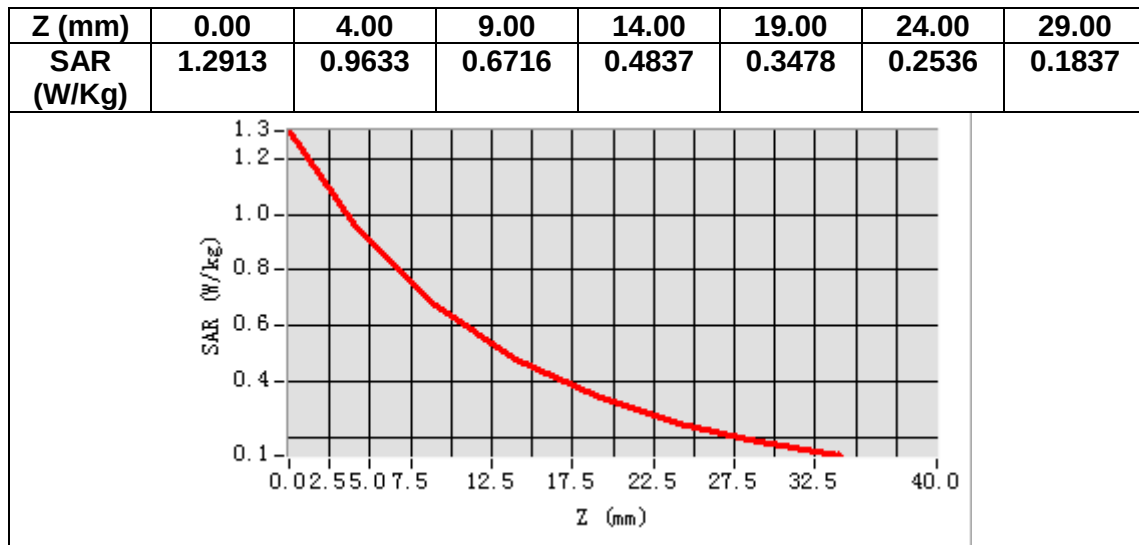
SURFACE SAR



Maximum location: X=3.00, Y=3.00

SAR Peak: 1.30 W/kg

SAR 10g (W/Kg)	0.563362
SAR 1g (W/Kg)	0.814204



MEASUREMENT 2

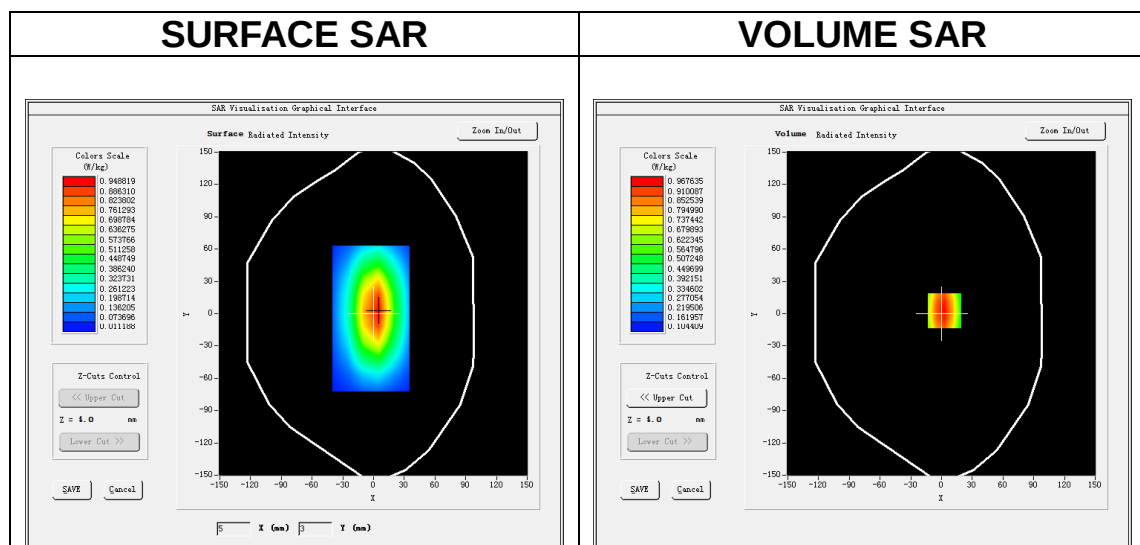
Date of measurement: 2/8/2021

A. Experimental conditions.

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

B. SAR Measurement Results

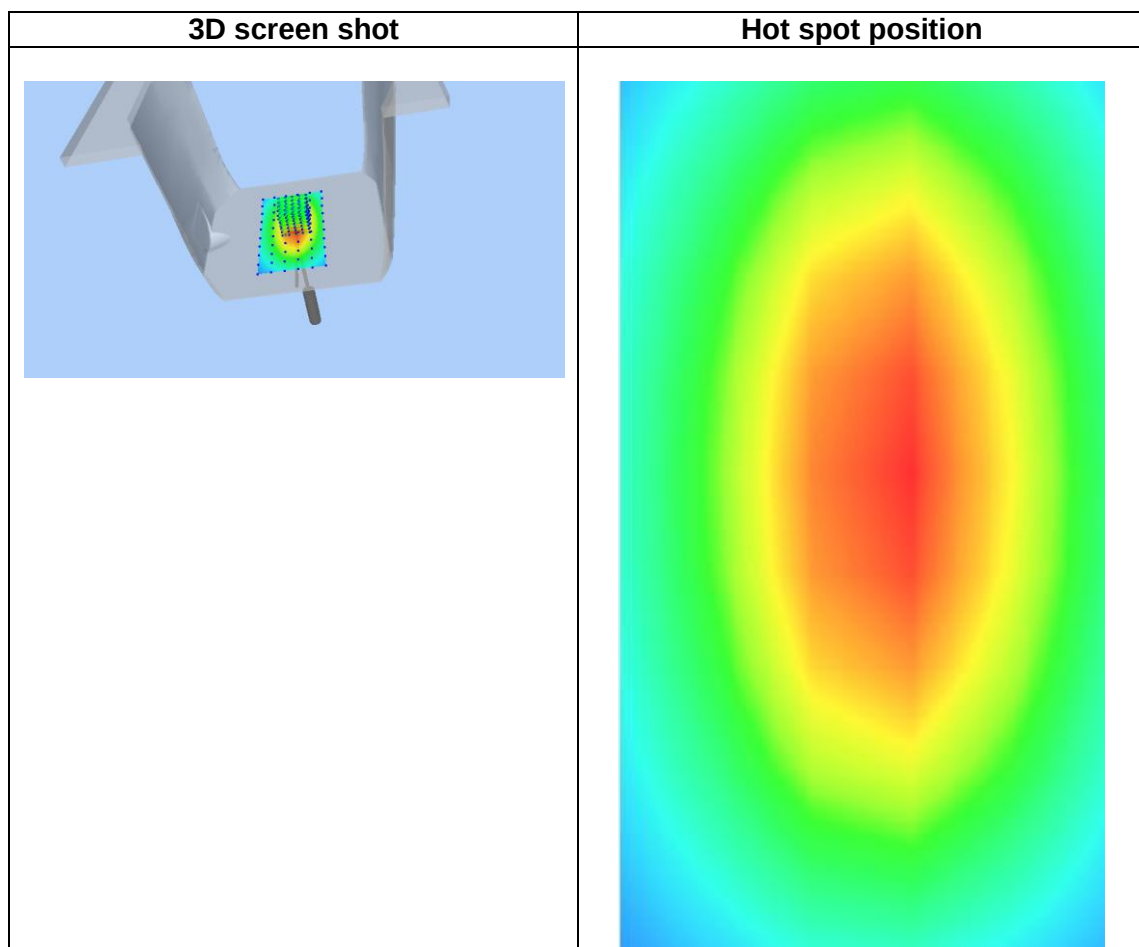
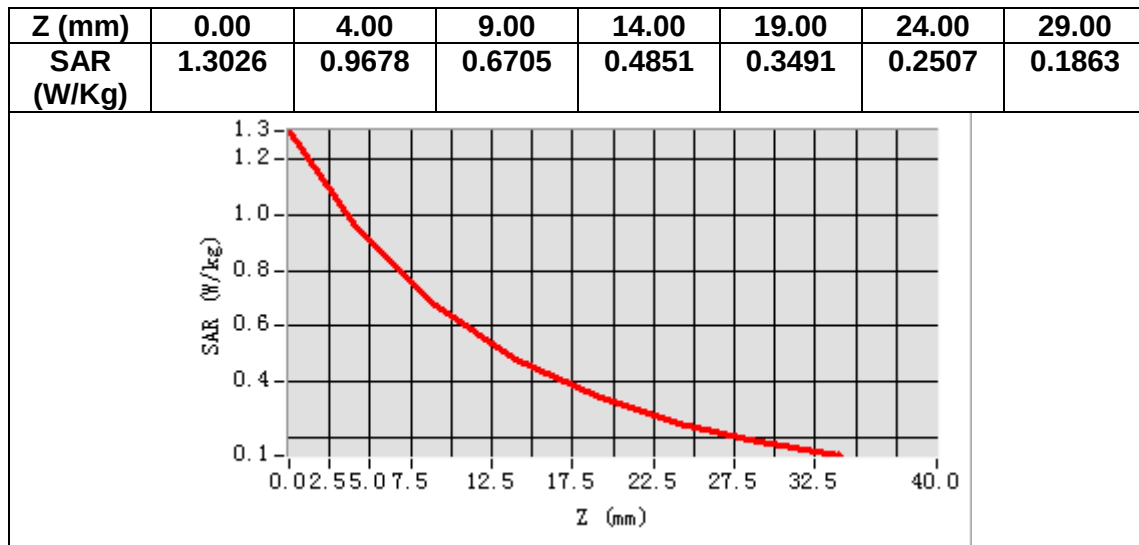
Frequency (MHz)	835.000000
Relative permittivity (real part)	42.677765
Relative permittivity (imaginary part)	19.718125
Conductivity (S/m)	0.914702
Variation (%)	1.870000



Maximum location: X=3.00, Y=3.00

SAR Peak: 1.30 W/kg

SAR 10g (W/Kg)	0.606847
SAR 1g (W/Kg)	0.968412



MEASUREMENT 3

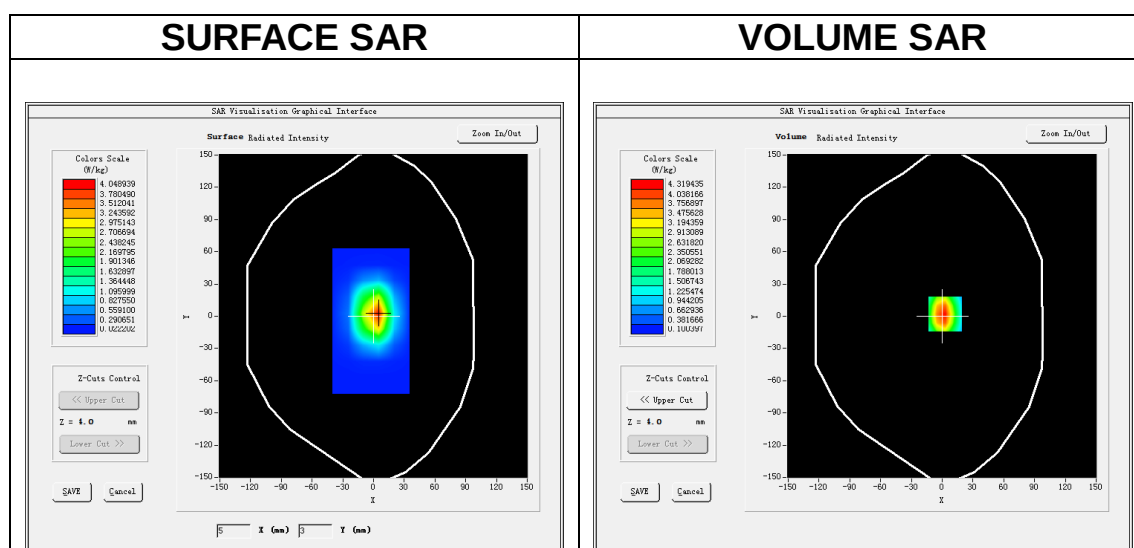
Date of measurement: 30/7/2021

A. Experimental conditions.

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

B. SAR Measurement Results

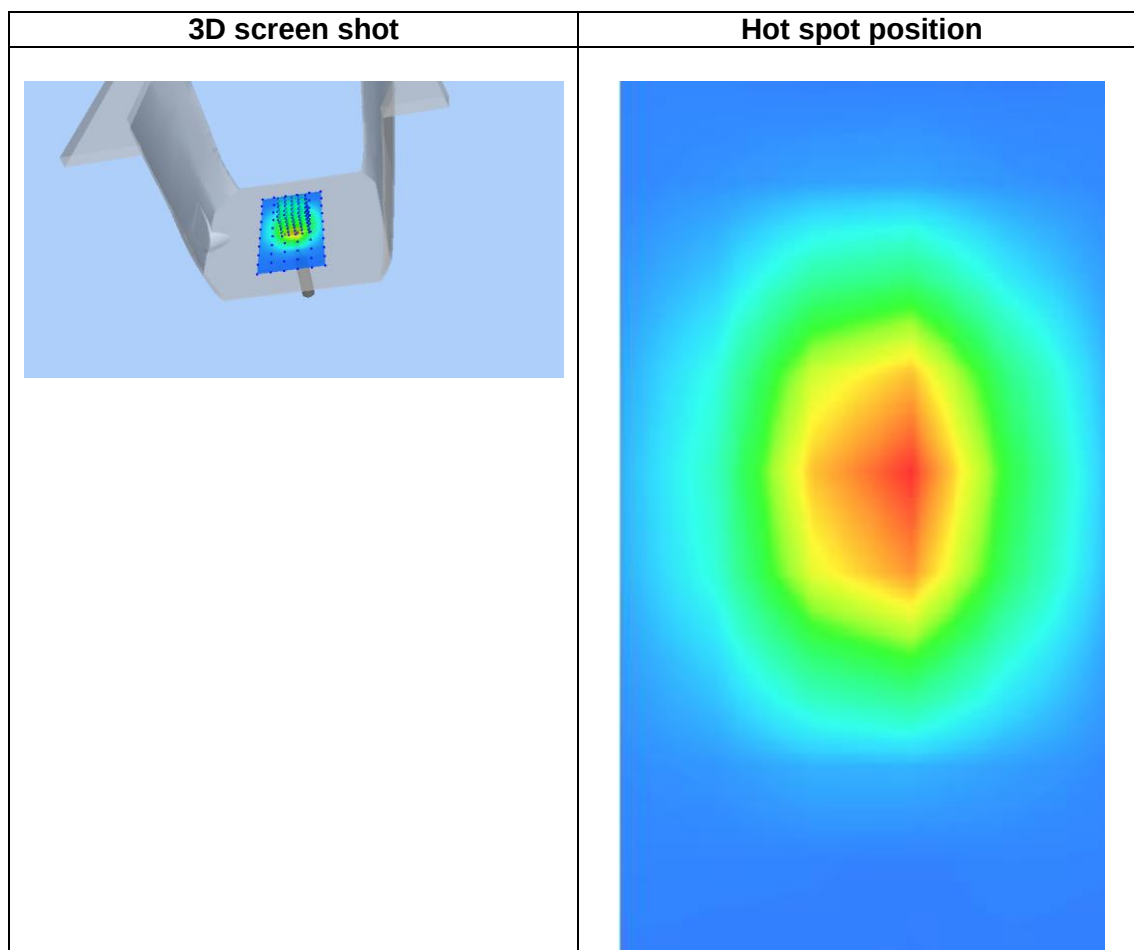
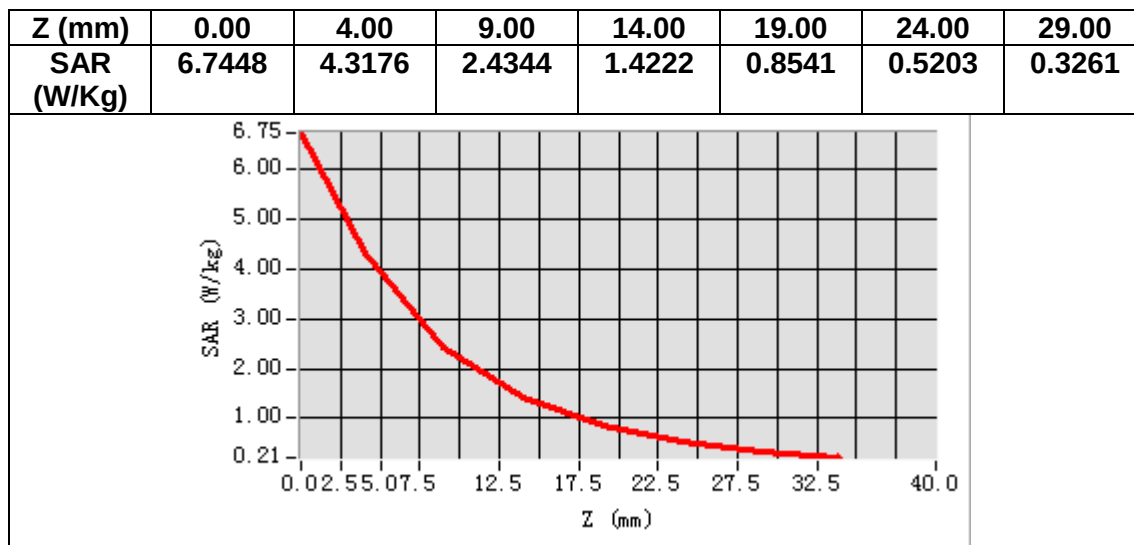
Frequency (MHz)	1800.000000
Relative permittivity (real part)	39.358882
Relative permittivity (imaginary part)	13.953446
Conductivity (S/m)	1.395345
Variation (%)	-0.140000



Maximum location: X=3.00, Y=2.00

SAR Peak: 6.82 W/kg

SAR 10g (W/Kg)	1.988214
SAR 1g (W/Kg)	3.954713



MEASUREMENT 4

Date of measurement: 3/8/2021

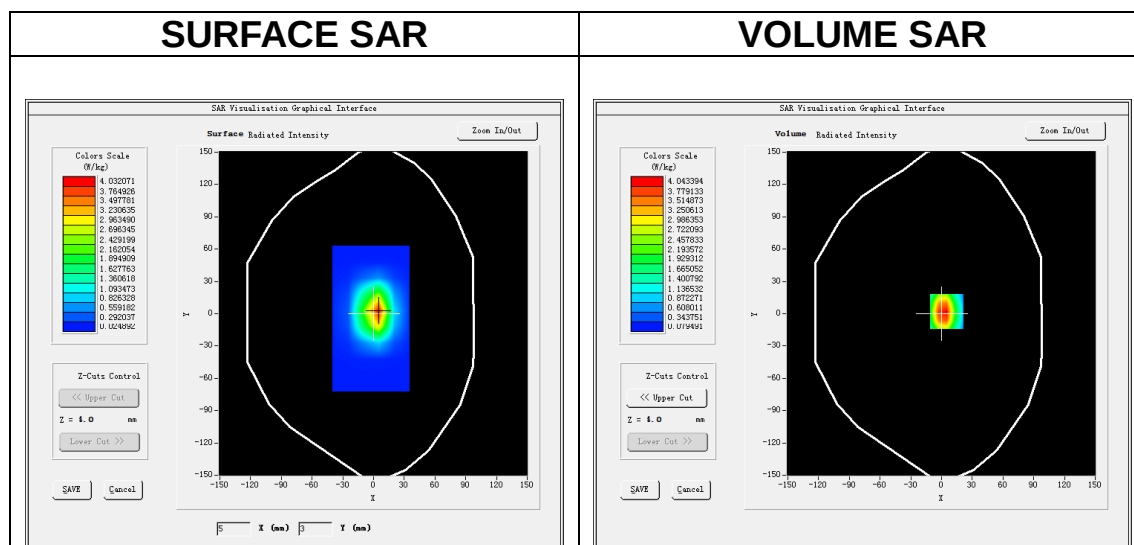
A. Experimental conditions.

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

B. SAR Measurement Results

Frequency (MHz)	1900.000000
Relative permittivity (real part)	38.081140
Relative permittivity (imaginary part)	13.606432
Conductivity (S/m)	1.436234
Variation (%)	-1.430000

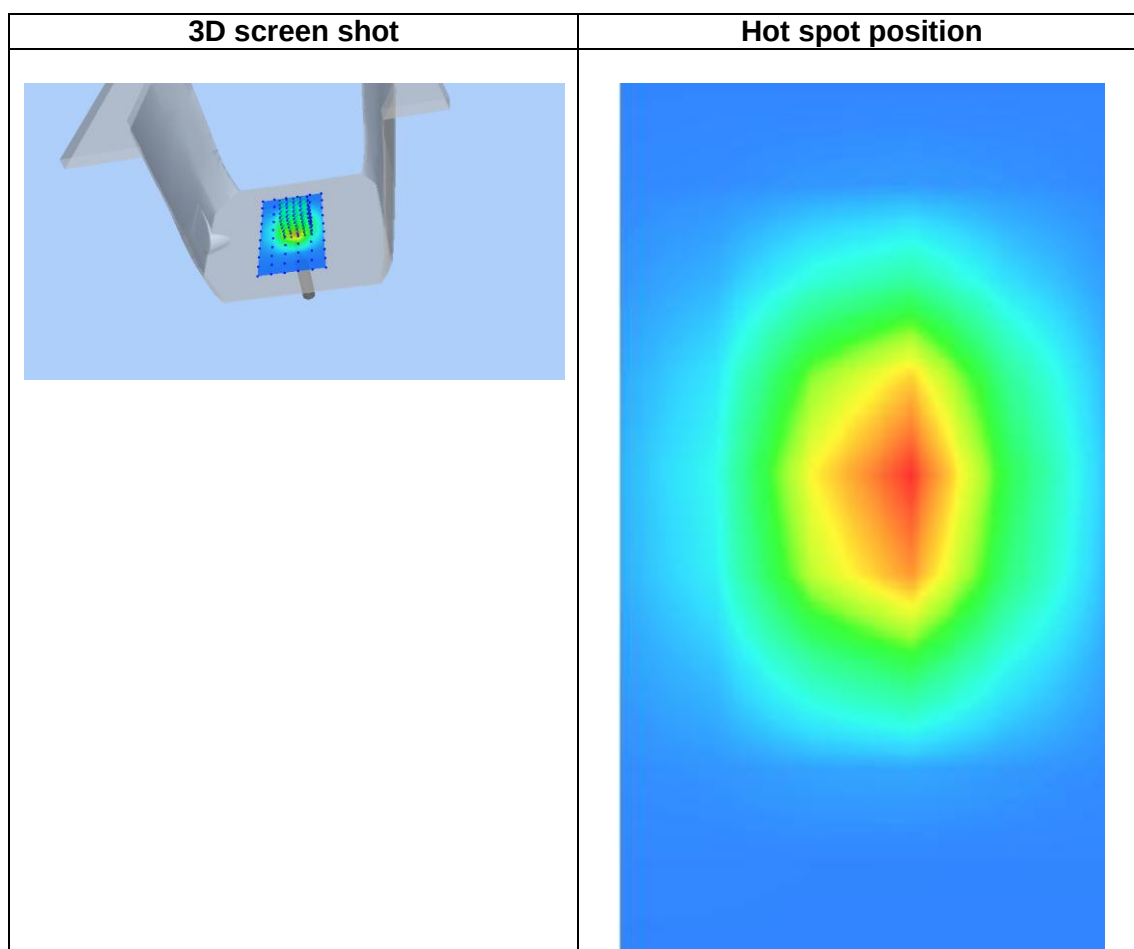
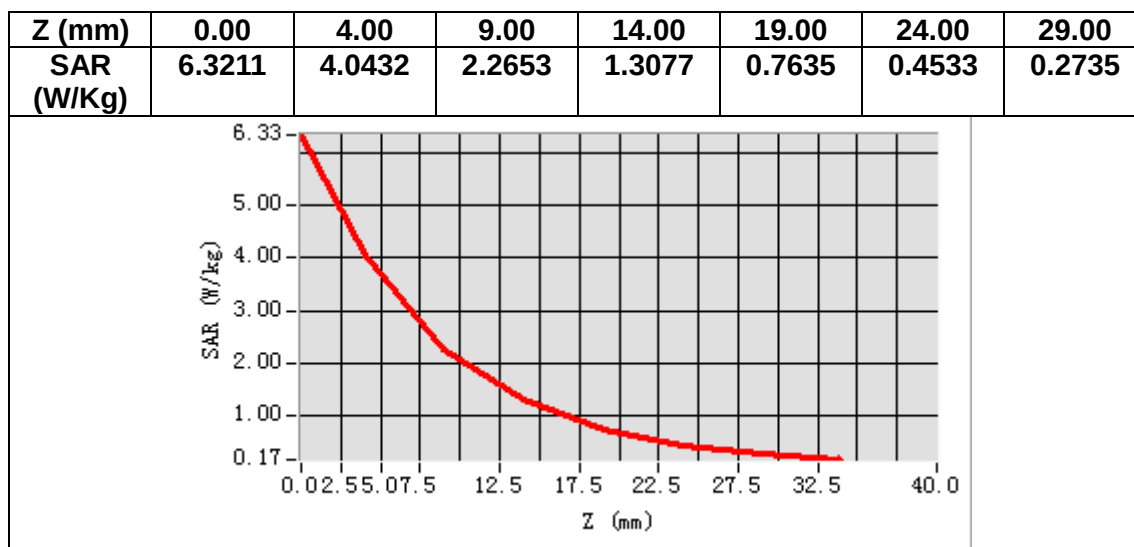
SURFACE SAR



Maximum location: X=5.00, Y=2.00

SAR Peak: 6.70 W/kg

SAR 10g (W/Kg)	2.147463
SAR 1g (W/Kg)	4.218233



MEASUREMENT 5

Date of measurement: 1/8/2021

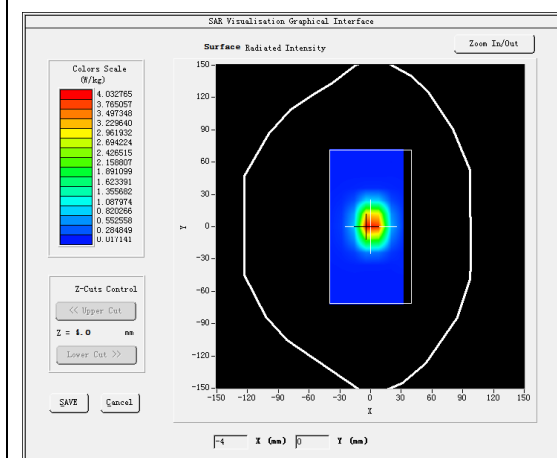
A. Experimental conditions.

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

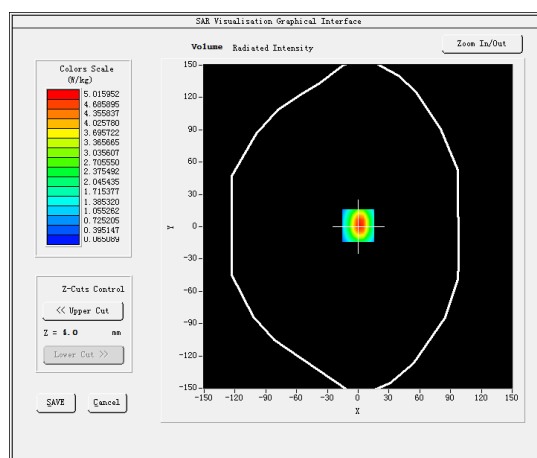
B. SAR Measurement Results

Frequency (MHz)	2450.000000
Relative permittivity (real part)	40.893141
Relative permittivity (imaginary part)	13.076941
Conductivity (S/m)	1.779917
Variation (%)	-1.250000

SURFACE SAR



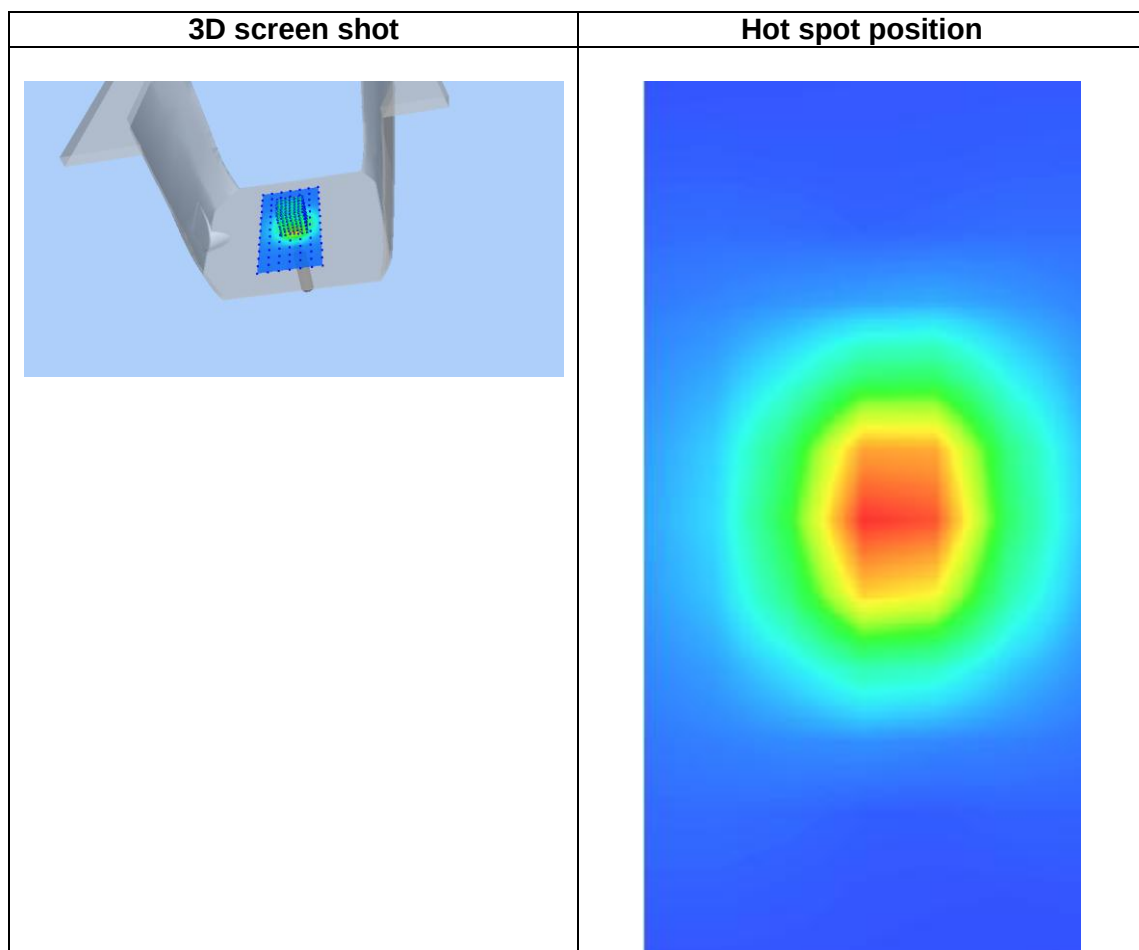
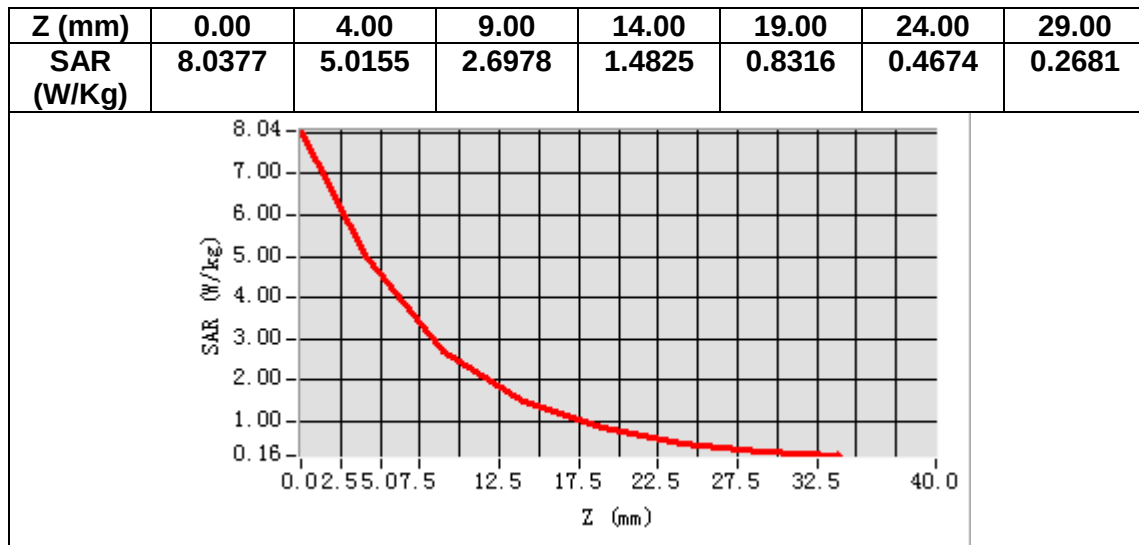
VOLUME SAR



Maximum location: X=0.00, Y=1.00

SAR Peak: 8.14 W/kg

SAR 10g (W/Kg)	2.484175
SAR 1g (W/Kg)	5.418319



MEASUREMENT 6

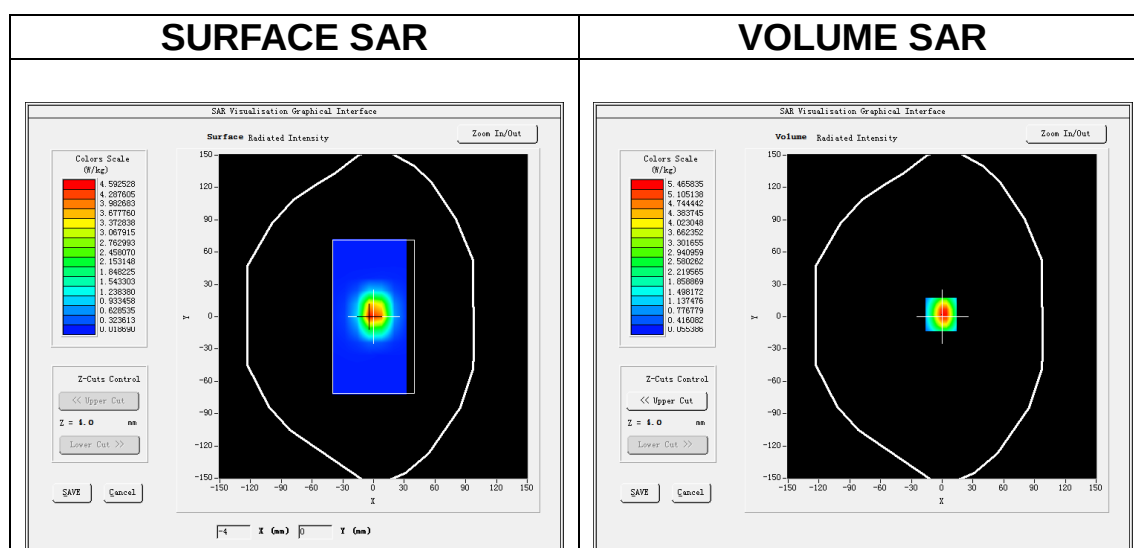
Date of measurement: 6/8/2021

A. Experimental conditions.

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

B. SAR Measurement Results

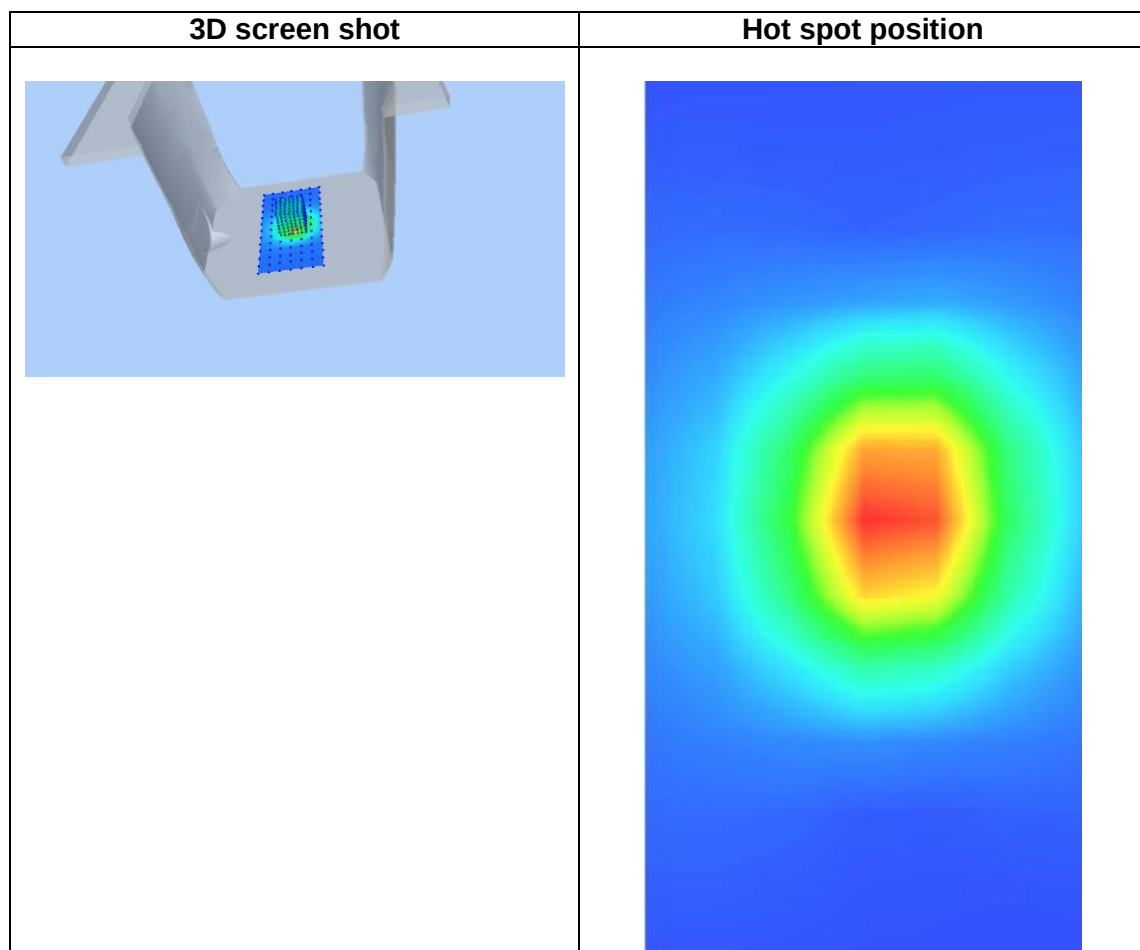
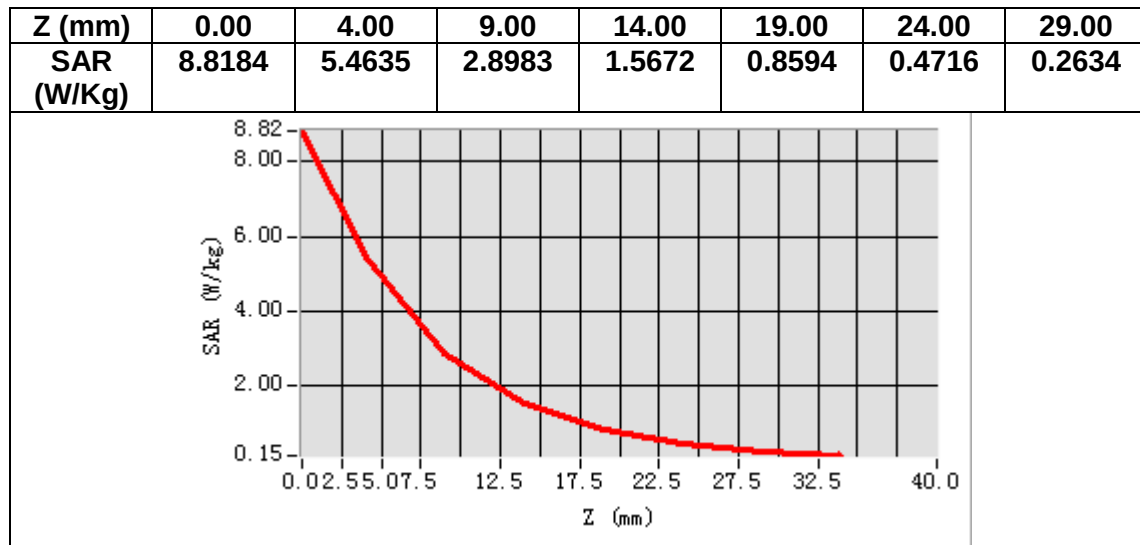
Frequency (MHz)	2600.000000
Relative permittivity (real part)	39.864513
Relative permittivity (imaginary part)	13.915151
Conductivity (S/m)	2.009966
Variation (%)	-3.980000



Maximum location: X=-1.00, Y=2.00

SAR Peak: 9.07 W/kg

SAR 10g (W/Kg)	2.411157
SAR 1g (W/Kg)	5.374595



MEASUREMENT 7

Date of measurement: 10/8/2021

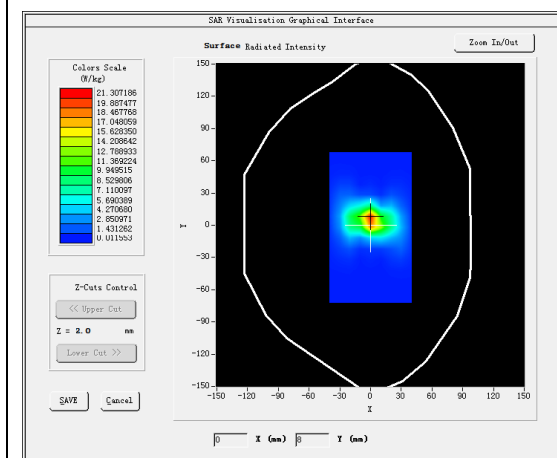
A. Experimental conditions.

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

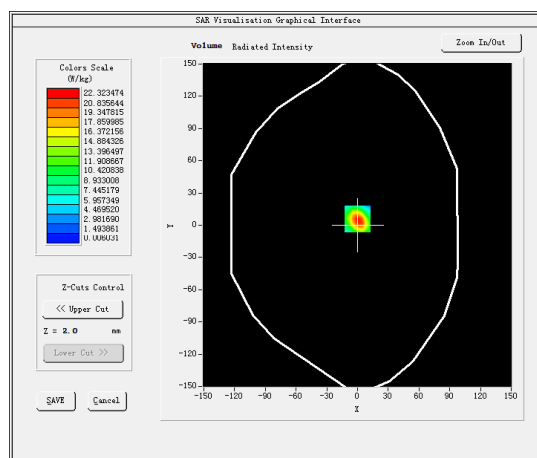
B. SAR Measurement Results

Frequency (MHz)	5200.000000
Relative permittivity (real part)	36.654322
Relative permittivity (imaginary part)	16.295178
Conductivity (S/m)	4.707496
Variation (%)	1.660000

SURFACE SAR



VOLUME SAR

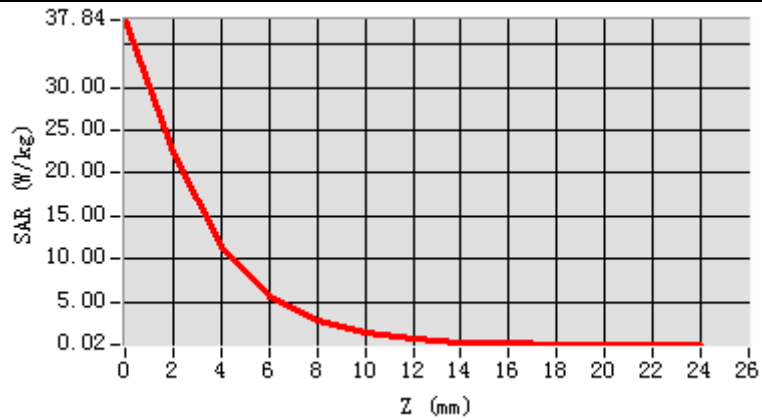


Maximum location: X=0.00, Y=6.00

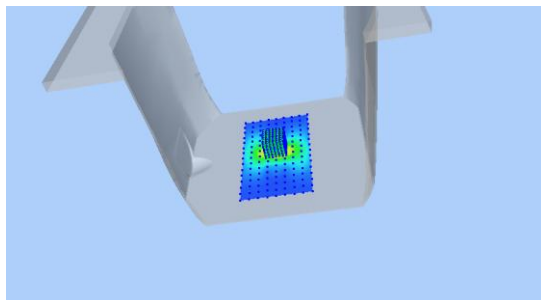
SAR Peak: 40.06 W/kg

SAR 10g (W/Kg)	5.714495
SAR 1g (W/Kg)	16.750221

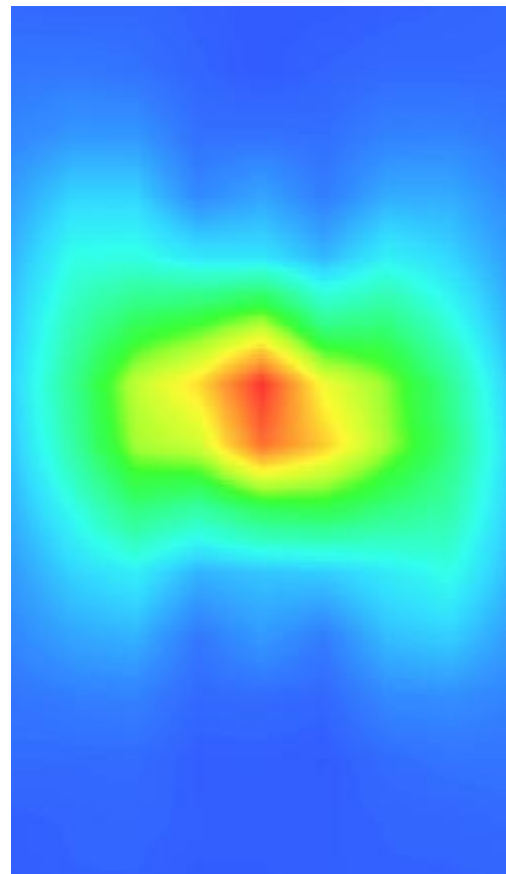
Z (m m)	0.00	2.00	4.00	6.00	8.00	10.0 0	12.0 0	14.0 0	16.0 0	18.0 0	20.0 0	22.0 0
SAR (W/ Kg)	37.8 356	22.3 278	11.3 730	5.66 18	2.82 55	1.40 93	0.71 24	0.36 60	0.18 08	0.10 12	0.05 13	0.03 23



3D screen shot



Hot spot position



MEASUREMENT 8

Date of measurement: 11/8/2021

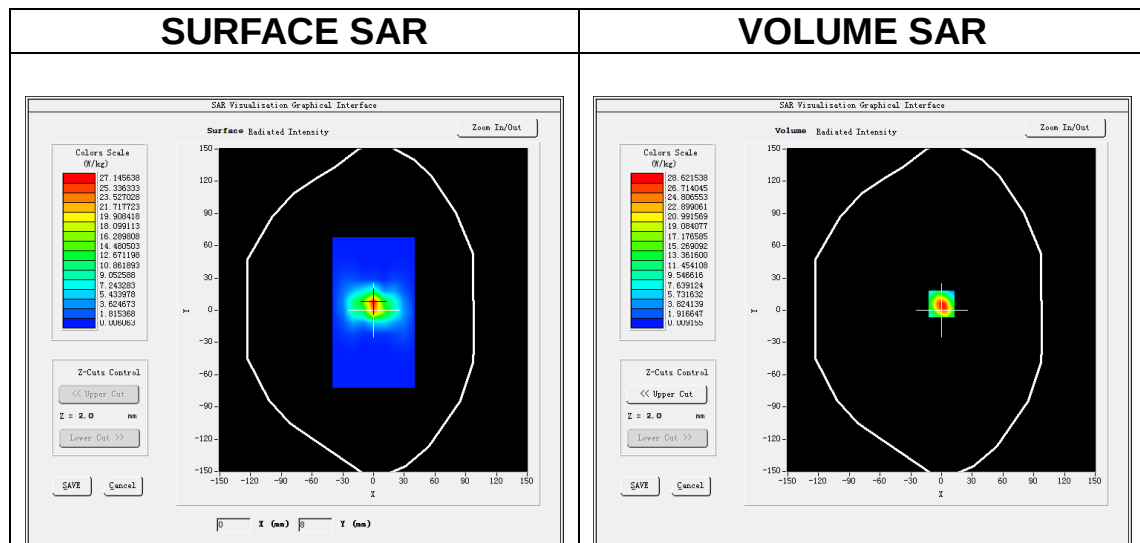
A. Experimental conditions.

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

B. SAR Measurement Results

Frequency (MHz)	5800.000000
Relative permittivity (real part)	35.976461
Relative permittivity (imaginary part)	16.398912
Conductivity (S/m)	5.284094
Variation (%)	1.340000

SURFACE SAR

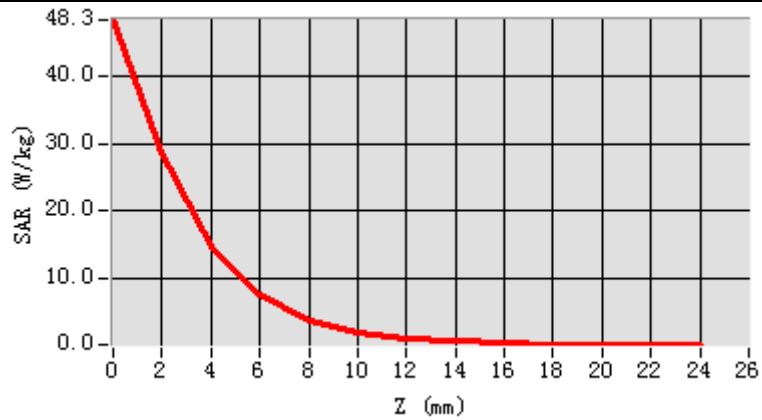


Maximum location: X=0.00, Y=6.00

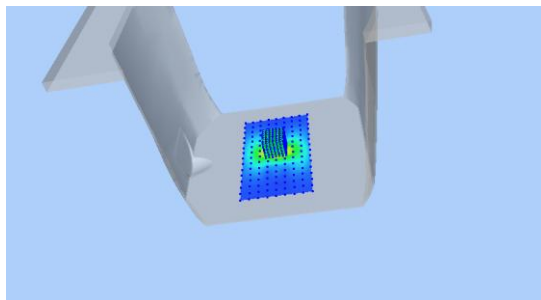
SAR Peak: 51.30 W/kg

SAR 10g (W/Kg)	6.037184
SAR 1g (W/Kg)	18.449052

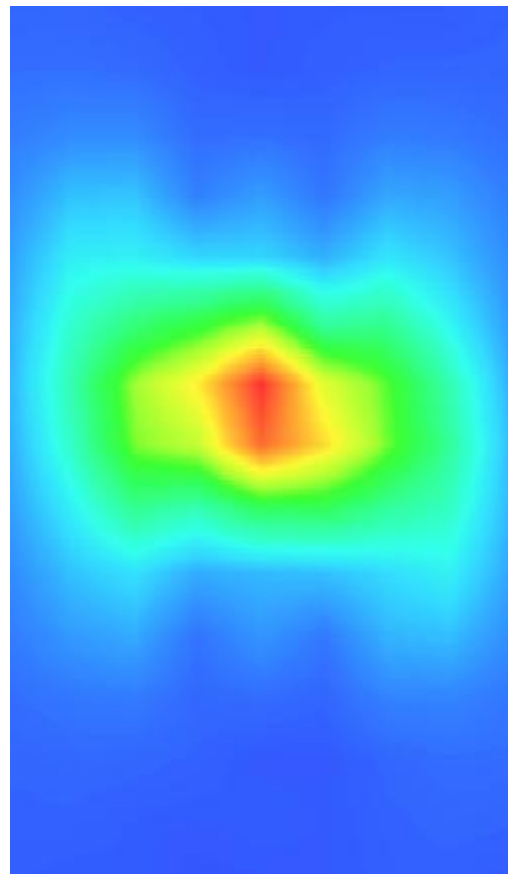
Z (m m)	0.00	2.00	4.00	6.00	8.00	10.0	12.0	14.0	16.0	18.0	20.0	22.0
SAR (W/ Kg)	48.3 472	28.6 209	14.6 589	7.40 39	3.68 57	1.83 35	0.93 18	0.47 60	0.25 13	0.13 08	0.07 83	0.05 22



3D screen shot



Hot spot position



13. Appendix C. Plots of High SAR Measurement

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MEASUREMENT 7 WCDMA Band 4 Head
MEASUREMENT 8 WCDMA Band 4 Body
MEASUREMENT 9 WCDMA Band 5 Head
MEASUREMENT 10 WCDMA Band 5 Body
MEASUREMENT 11 CDMA Band BC0 Head
MEASUREMENT 12 CDMA Band BC0 Body
MEASUREMENT 13 CDMA Band BC1 Head
MEASUREMENT 14 CDMA Band BC1 Body
MEASUREMENT 15 WLAN 5.2G Head
MEASUREMENT 16 WLAN 5.2G Body
MEASUREMENT 17 WLAN 5.8G Head
MEASUREMENT 18 WLAN 5.8G Body
MEASUREMENT 19 WLAN 2.4G Head
MEASUREMENT 20 WLAN 2.4G Body
MEASUREMENT 21 LTE Band 2 Head
MEASUREMENT 22 LTE Band 2 Body
MEASUREMENT 23 LTE Band 4 Head
MEASUREMENT 24 LTE Band 4 Body
MEASUREMENT 25 LTE Band 5 Head
MEASUREMENT 26 LTE Band 5 Body
MEASUREMENT 27 LTE Band 7 Head
MEASUREMENT 28 LTE Band 7 Body
MEASUREMENT 29 LTE Band 12 Head
MEASUREMENT 30 LTE Band 12 Body
MEASUREMENT 31 LTE Band 13 Head
MEASUREMENT 32 LTE Band 13 Body
MEASUREMENT 33 LTE Band 17 Head
MEASUREMENT 34 LTE Band 17 Body
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MEASUREMENT 37 LTE Band 26A Head

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MEASUREMENT 43 LTE Band 66 Head

MEASUREMENT 44 LTE Band 66 Body

MEASUREMENT 1

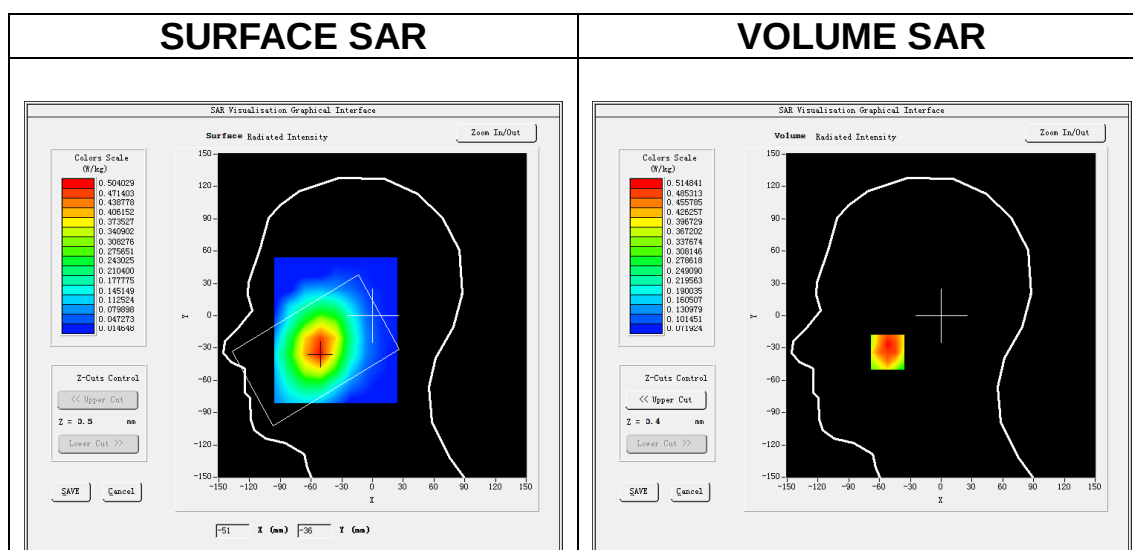
Date of measurement: 2/8/2021

A. Experimental conditions.

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

B. SAR Measurement Results

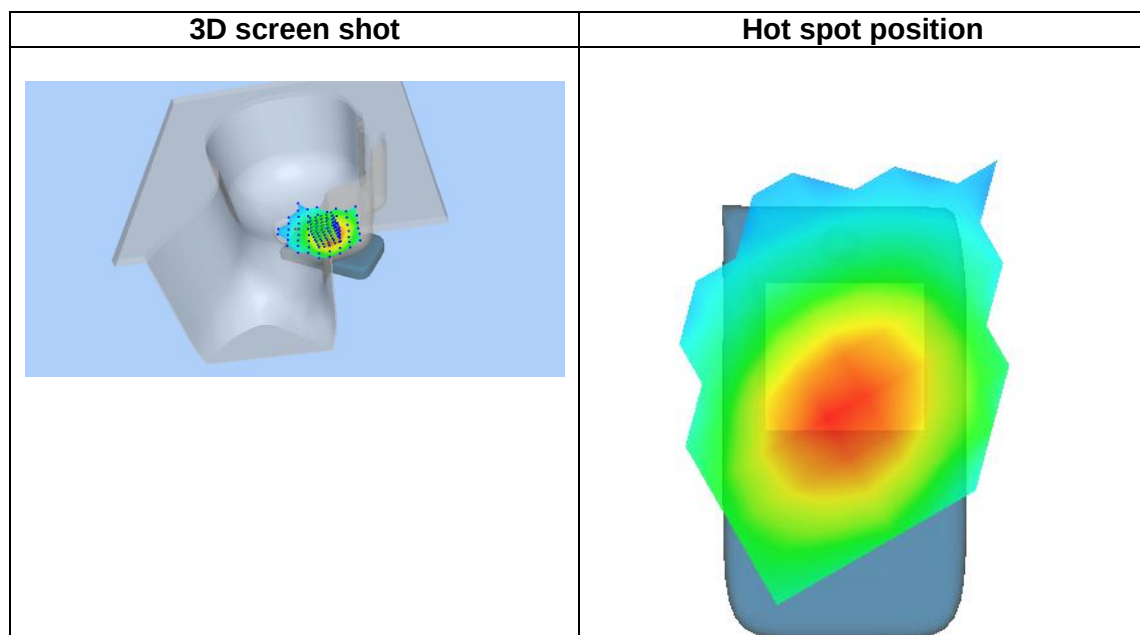
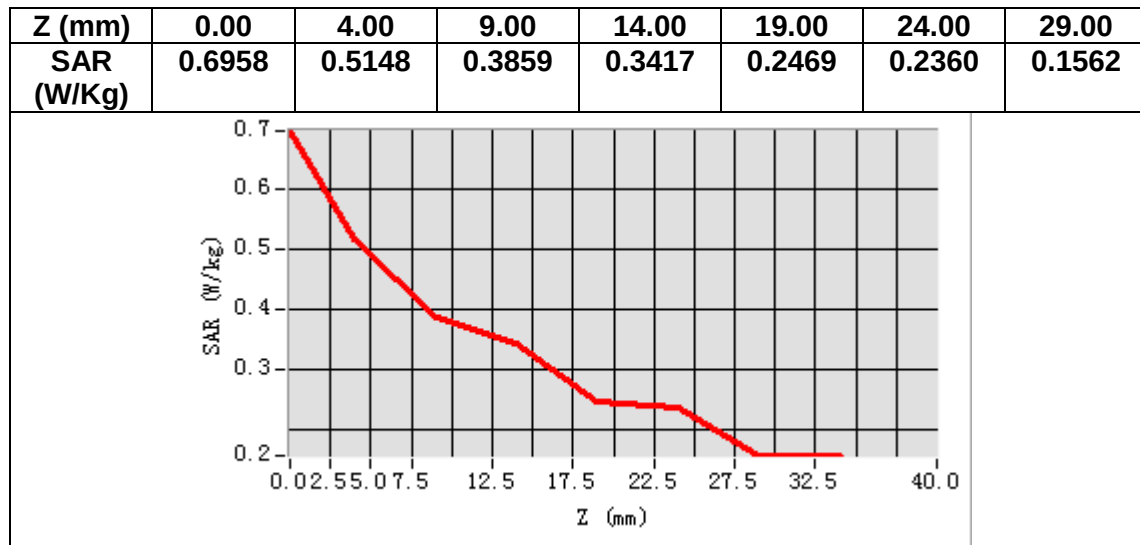
Frequency (MHz)	836.400000
Relative permittivity (real part)	42.593426
Relative permittivity (imaginary part)	19.743965
Conductivity (S/m)	0.917436
Variation (%)	3.720000



Maximum location: X=-52.00, Y=-34.00

SAR Peak: 0.63 W/kg

SAR 10g (W/Kg)	0.380419
SAR 1g (W/Kg)	0.557363



MEASUREMENT 2

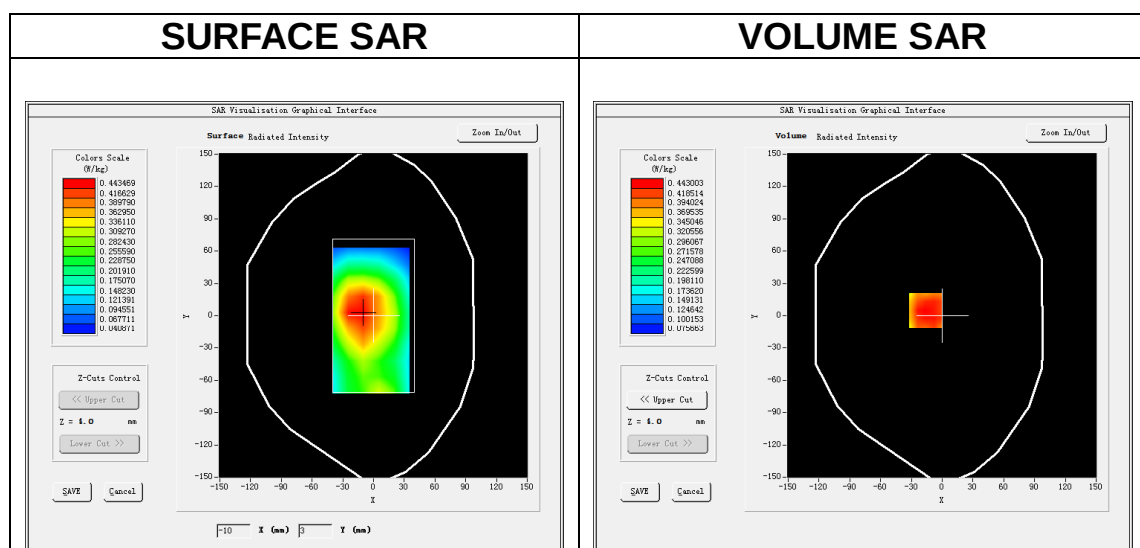
Date of measurement: 2/8/2021

A. Experimental conditions.

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

B. SAR Measurement Results

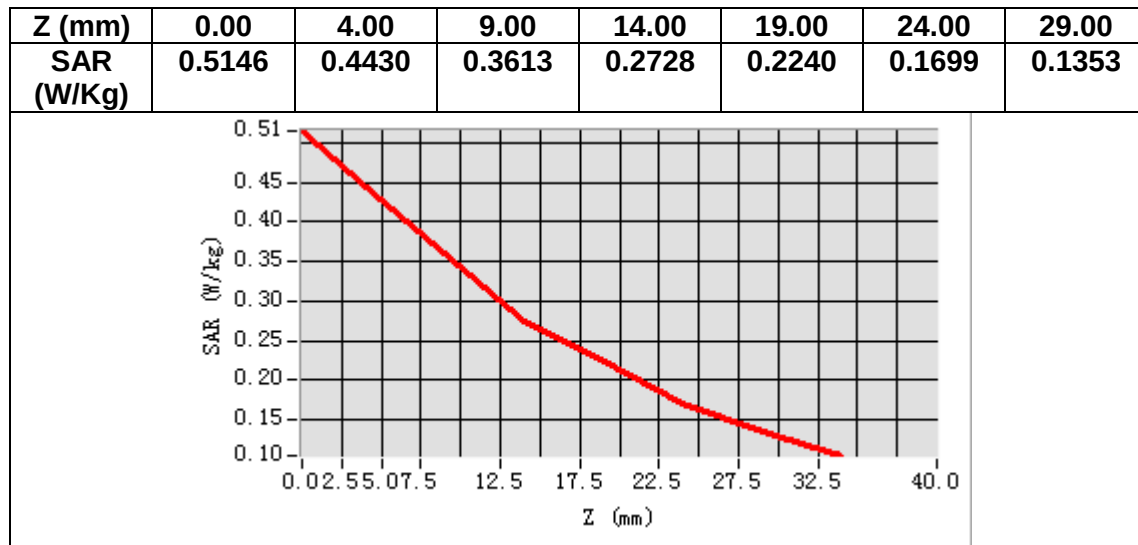
Frequency (MHz)	836.400000
Relative permittivity (real part)	42.593426
Relative permittivity (imaginary part)	19.743965
Conductivity (S/m)	0.917436
Variation (%)	-1.820000



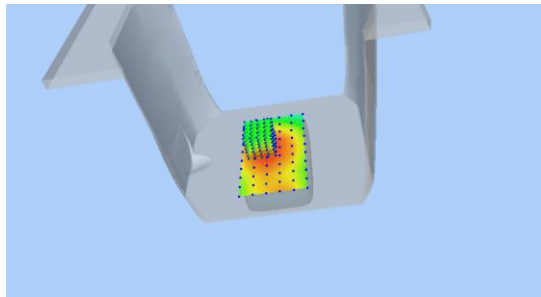
Maximum location: X=-16.00, Y=5.00

SAR Peak: 0.57 W/kg

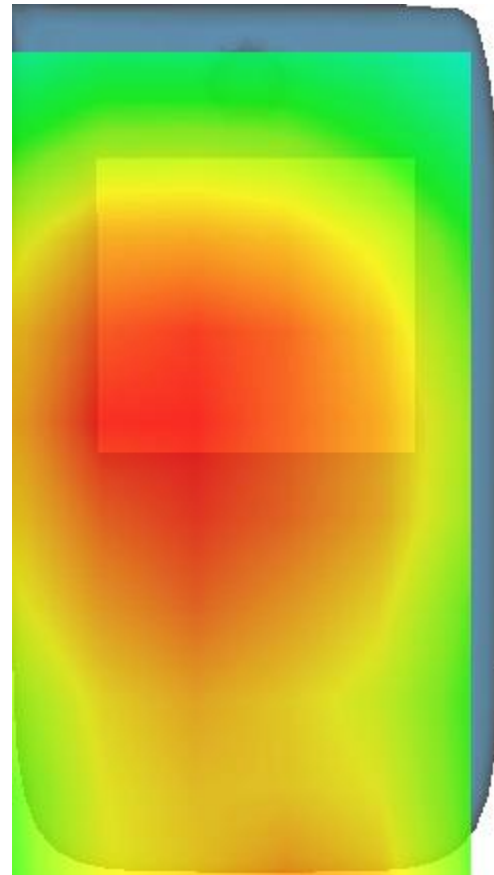
SAR 10g (W/Kg)	0.326527
SAR 1g (W/Kg)	0.435352



3D screen shot



Hot spot position



MEASUREMENT 3

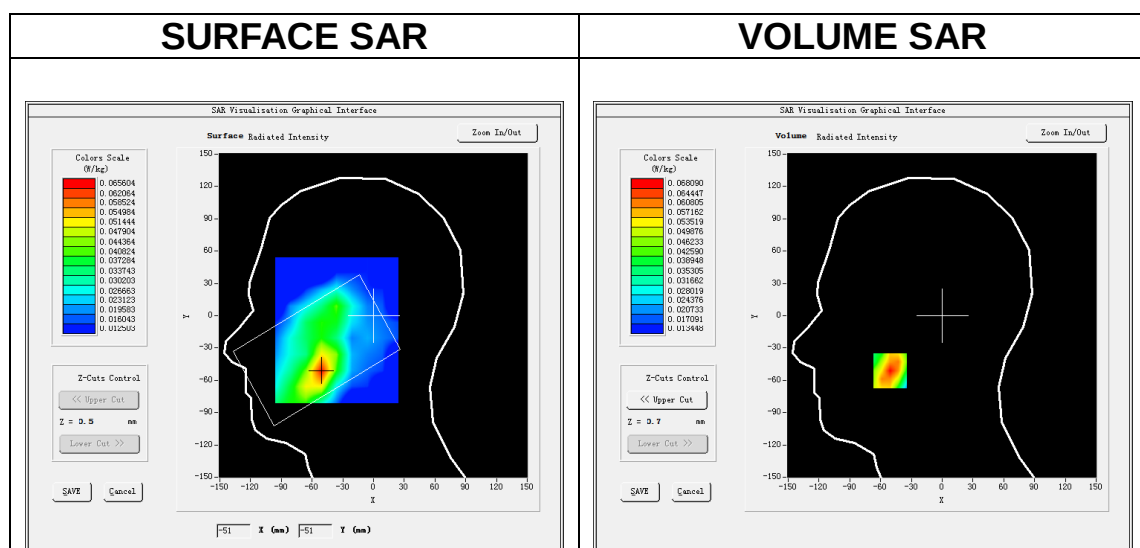
Date of measurement: 3/8/2021

A. Experimental conditions.

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

B. SAR Measurement Results

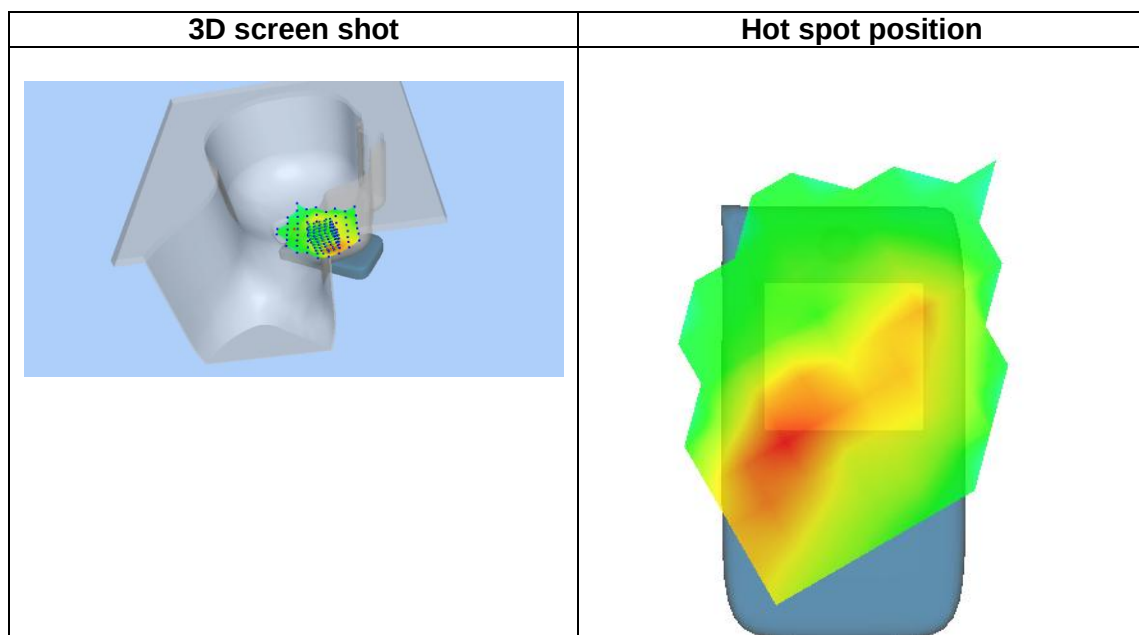
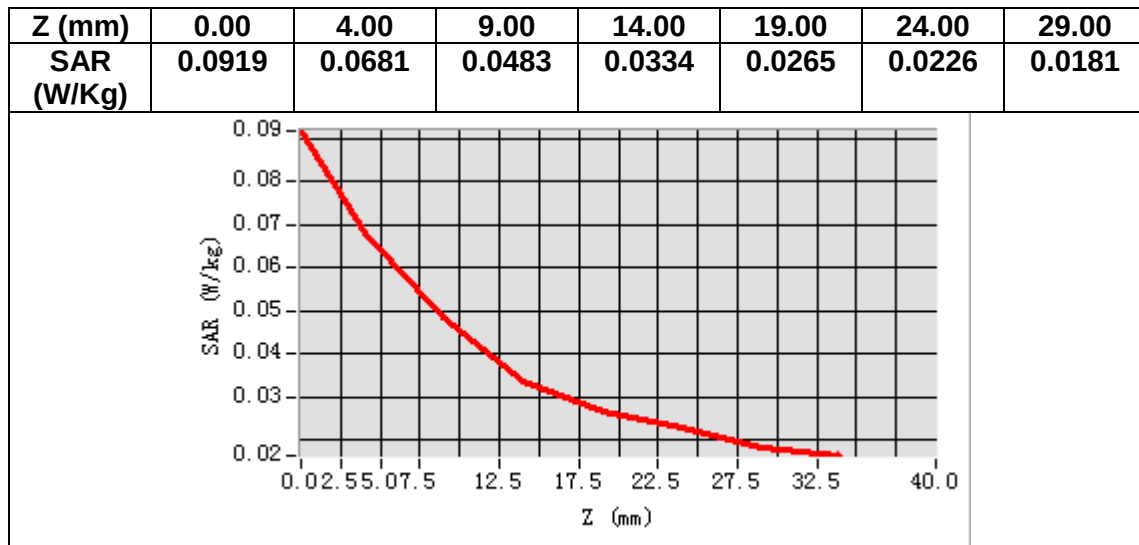
Frequency (MHz)	1880.000000
Relative permittivity (real part)	38.167542
Relative permittivity (imaginary part)	13.624232
Conductivity (S/m)	1.422975
Variation (%)	0.010000



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

SAR Peak: 0.09 W/kg

SAR 10g (W/Kg)	0.043020
SAR 1g (W/Kg)	0.065082



MEASUREMENT 4

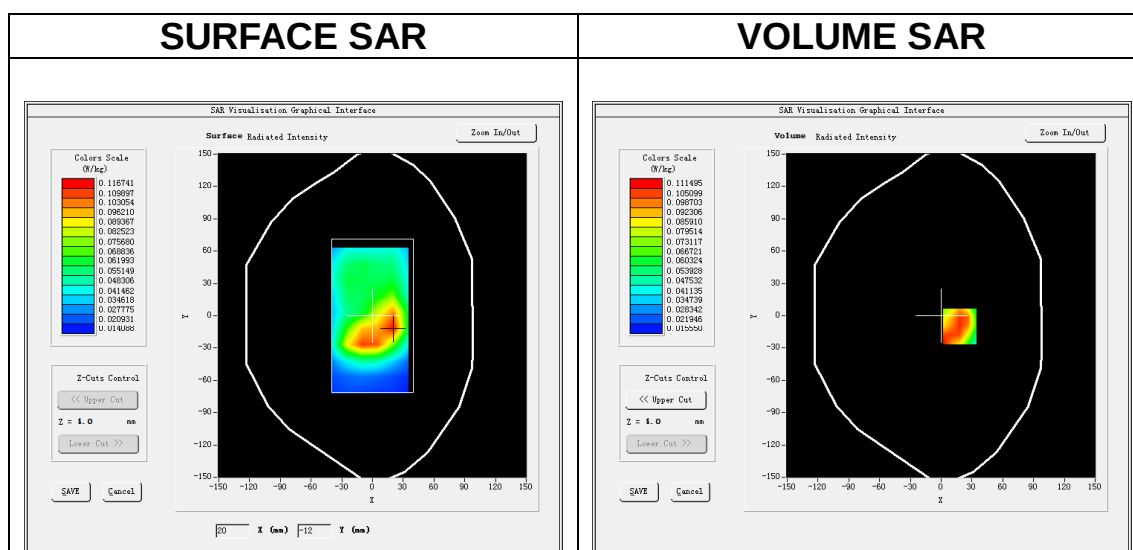
Date of measurement: 3/8/2021

A. Experimental conditions.

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

B. SAR Measurement Results

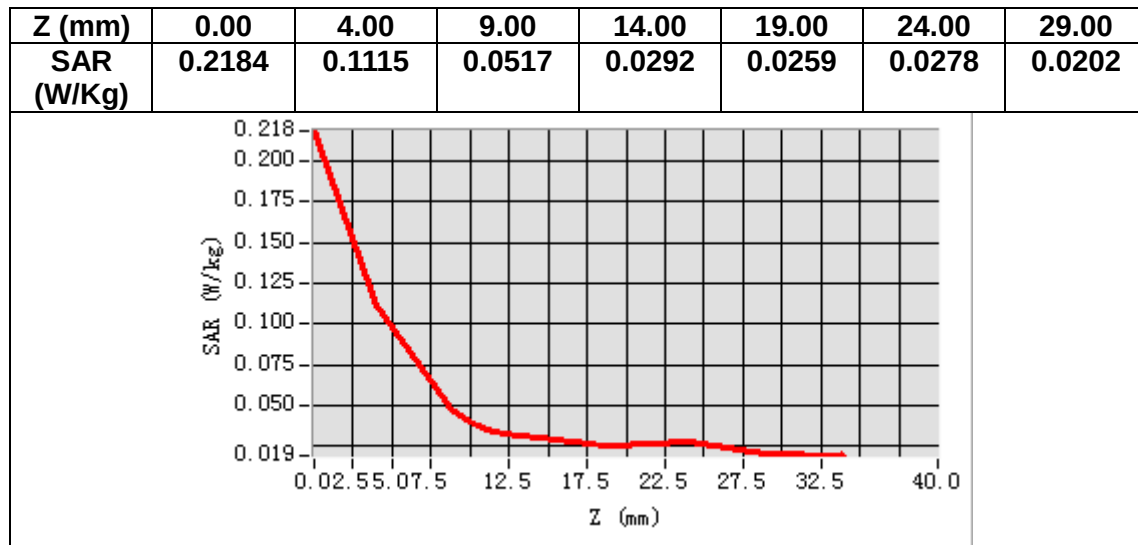
Frequency (MHz)	1880.000000
Relative permittivity (real part)	38.167542
Relative permittivity (imaginary part)	13.624232
Conductivity (S/m)	1.422975
Variation (%)	1.460000



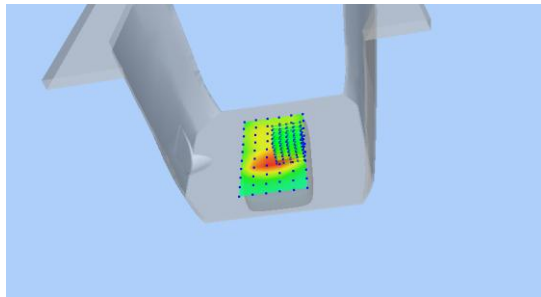
Maximum location: X=18.00, Y=-10.00

SAR Peak: 0.17 W/kg

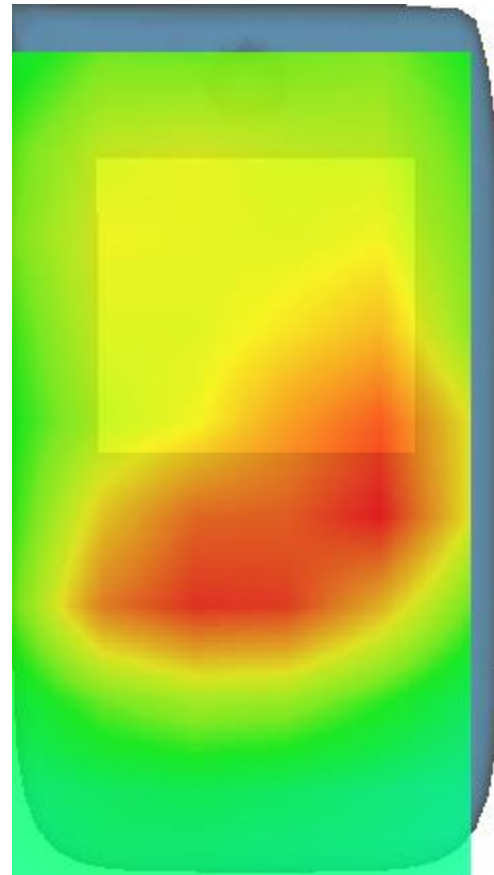
SAR 10g (W/Kg)	0.066165
SAR 1g (W/Kg)	0.107117



3D screen shot



Hot spot position



MEASUREMENT 5

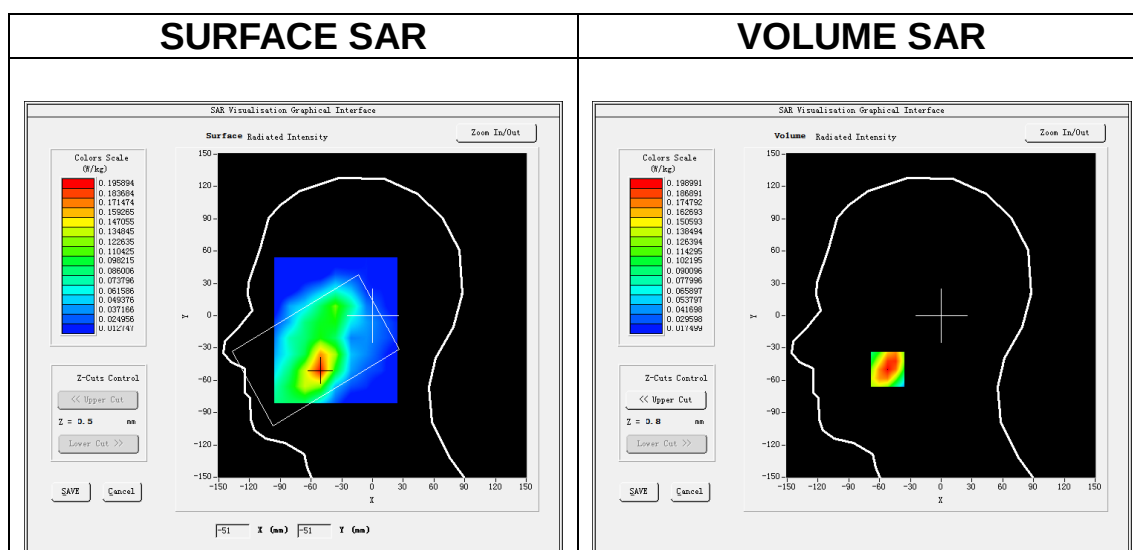
Date of measurement: 3/8/2021

A. Experimental conditions.

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

B. SAR Measurement Results

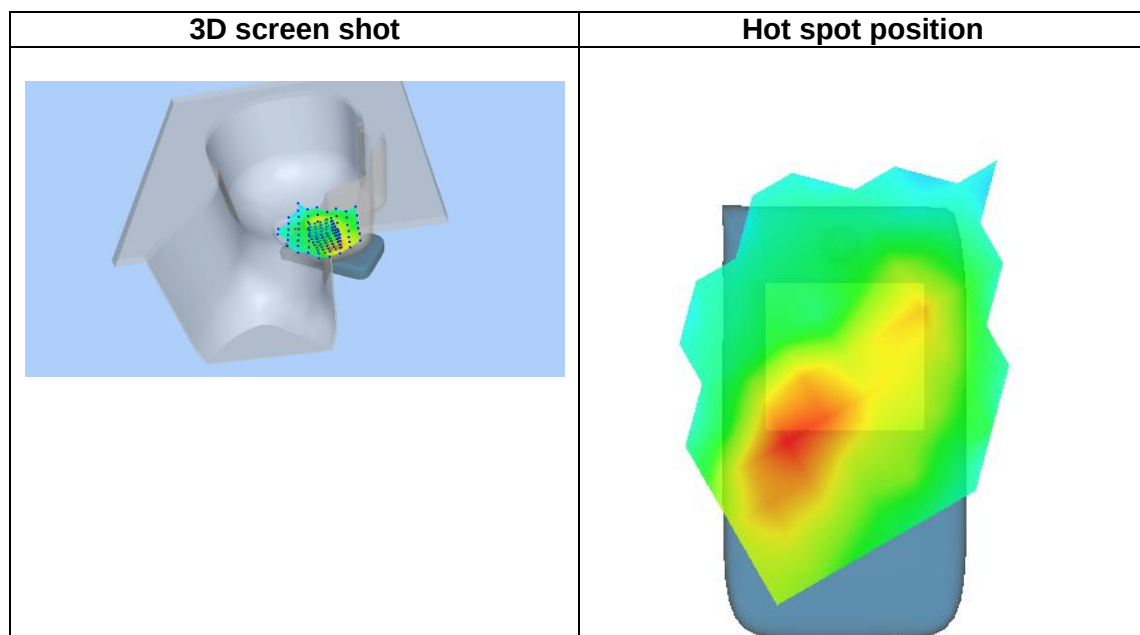
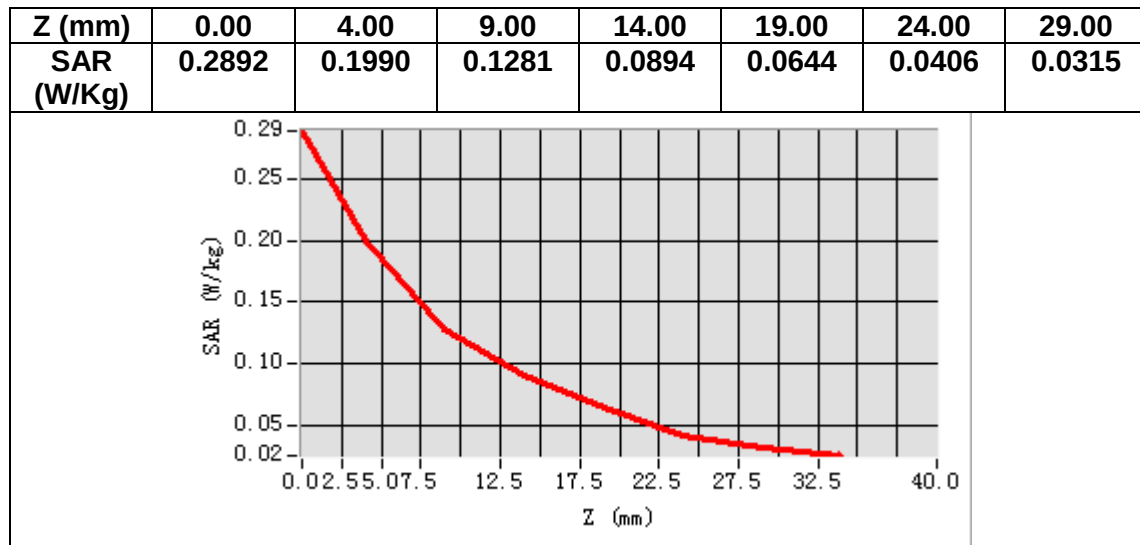
Frequency (MHz)	1880.000000
Relative permittivity (real part)	38.167542
Relative permittivity (imaginary part)	13.624232
Conductivity (S/m)	1.422975
Variation (%)	-3.060000



Maximum location: X=-52.00, Y=-50.00

SAR Peak: 0.29 W/kg

SAR 10g (W/Kg)	0.119721
SAR 1g (W/Kg)	0.196870



MEASUREMENT 6

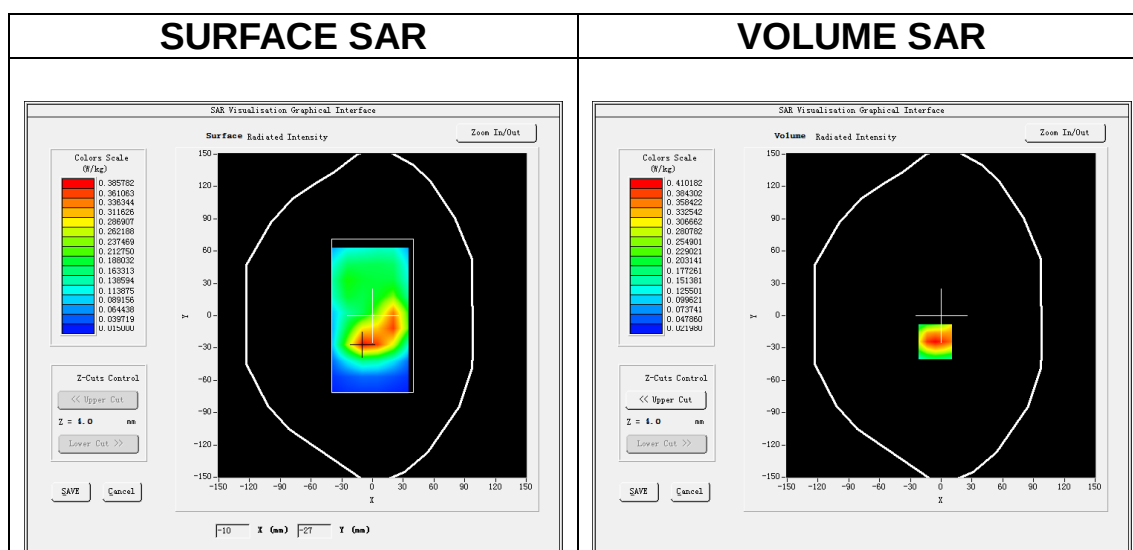
Date of measurement: 3/8/2021

A. Experimental conditions.

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

B. SAR Measurement Results

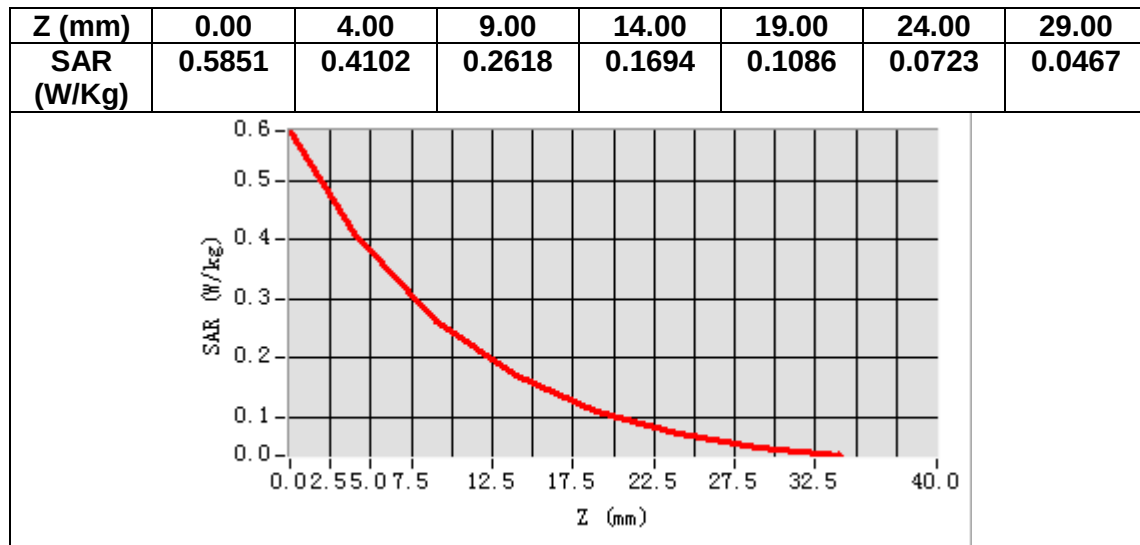
Frequency (MHz)	1880.000000
Relative permittivity (real part)	38.167542
Relative permittivity (imaginary part)	13.624232
Conductivity (S/m)	1.422975
Variation (%)	-0.770000



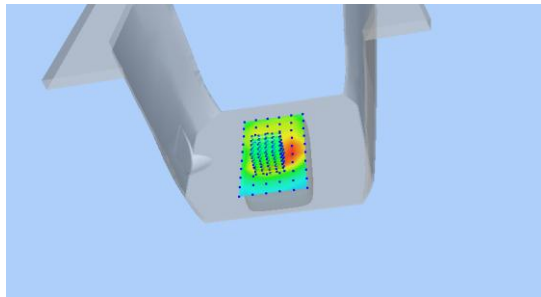
Maximum location: X=-6.00, Y=-24.00

SAR Peak: 0.59 W/kg

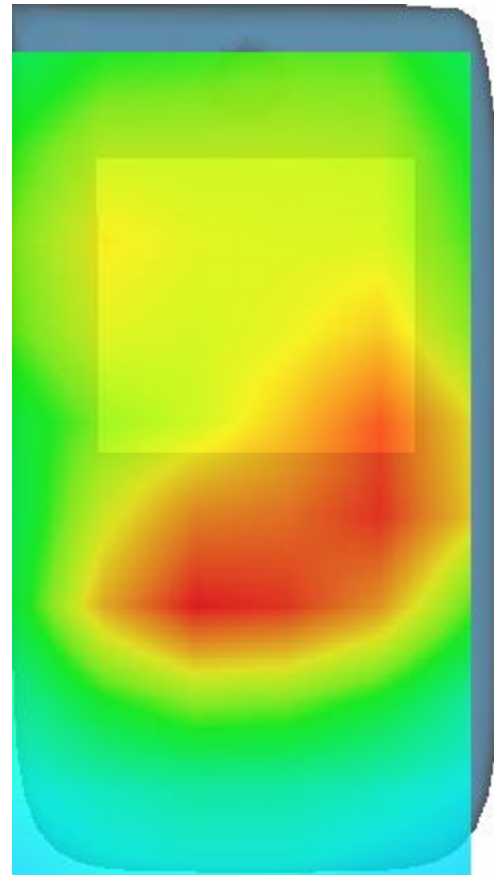
SAR 10g (W/Kg)	0.230424
SAR 1g (W/Kg)	0.396456



3D screen shot



Hot spot position



MEASUREMENT 7

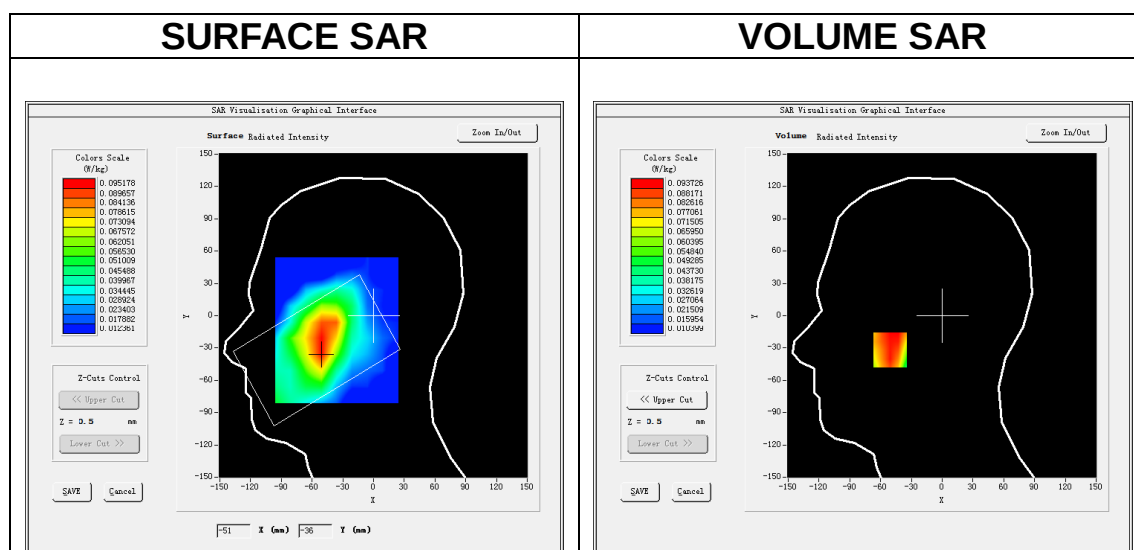
Date of measurement: 30/7/2021

A. Experimental conditions.

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

B. SAR Measurement Results

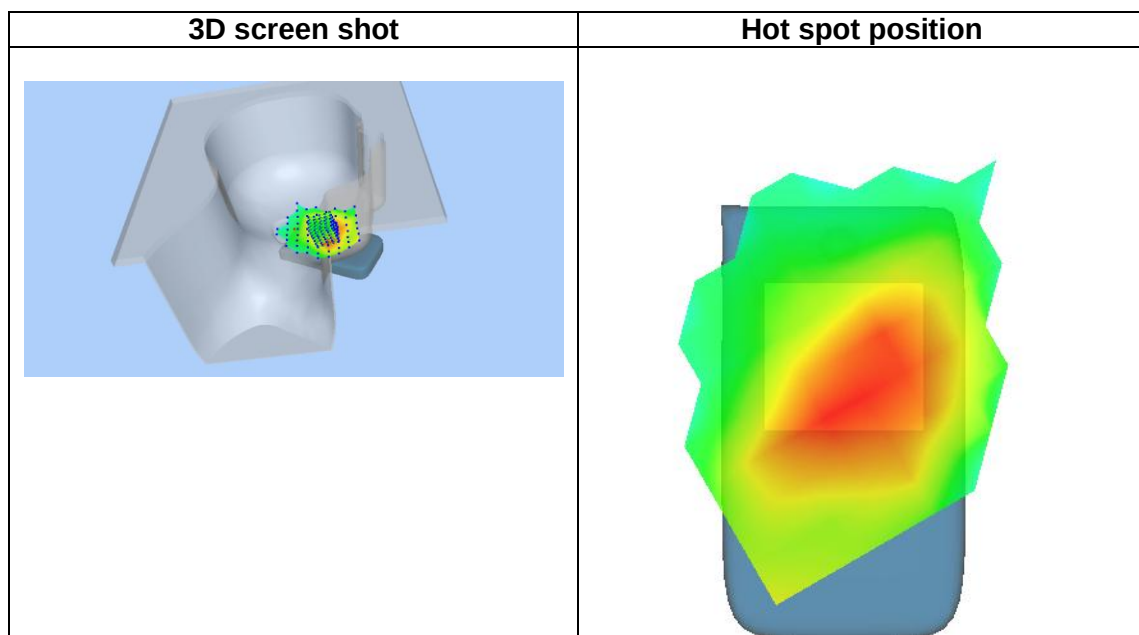
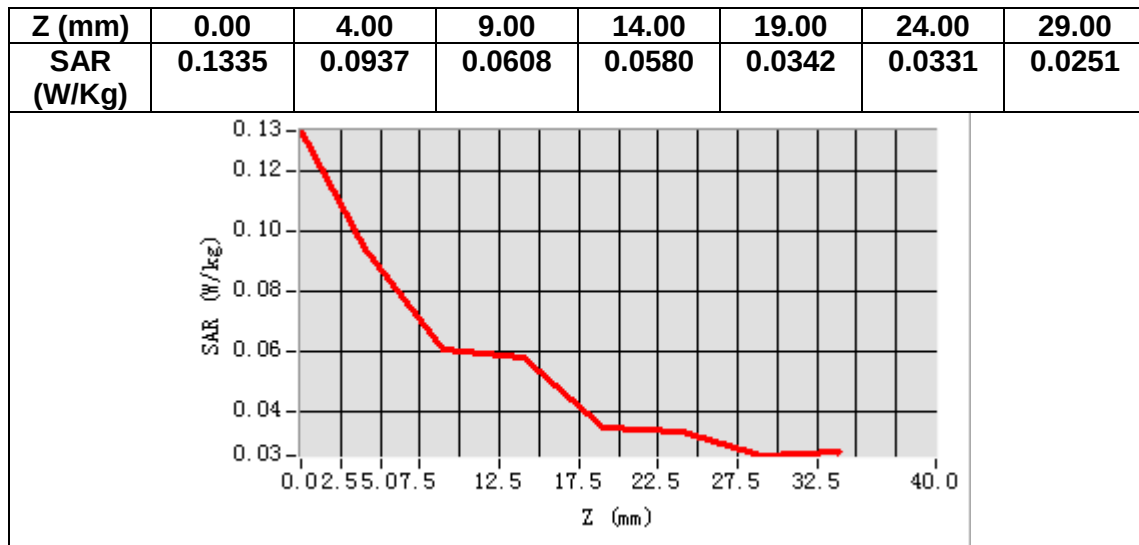
Frequency (MHz)	1732.600000
Relative permittivity (real part)	39.818581
Relative permittivity (imaginary part)	13.905746
Conductivity (S/m)	1.338042
Variation (%)	1.450000



Maximum location: X=-51.00, Y=-32.00

SAR Peak: 0.12 W/kg

SAR 10g (W/Kg)	0.063858
SAR 1g (W/Kg)	0.089709



MEASUREMENT 8

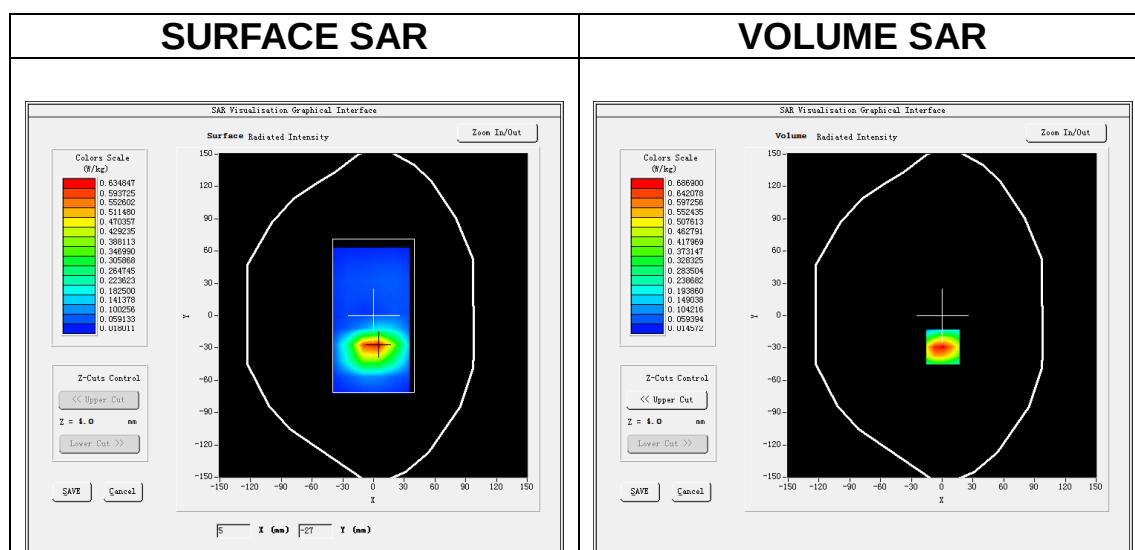
Date of measurement: 30/7/2021

A. Experimental conditions.

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

B. SAR Measurement Results

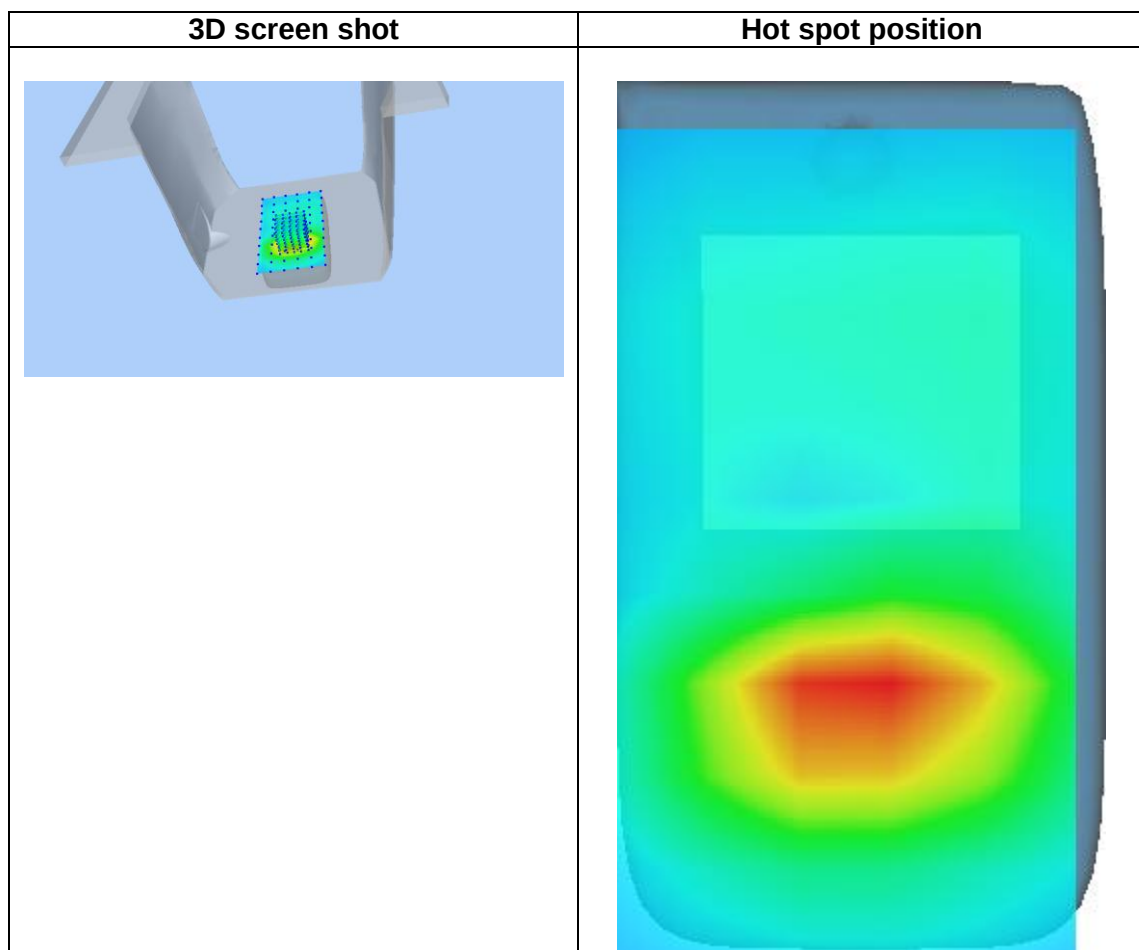
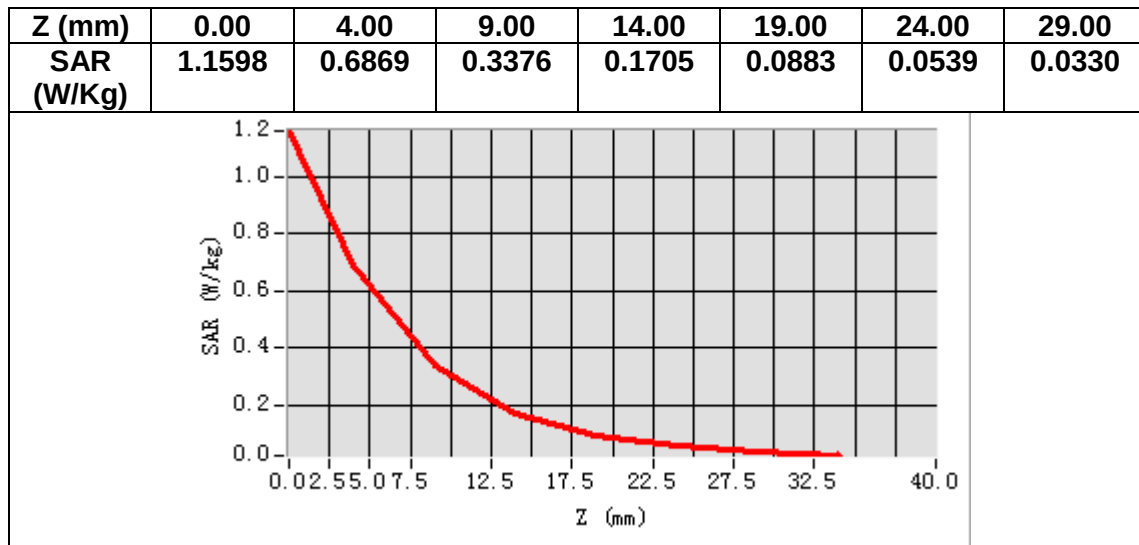
Frequency (MHz)	1732.600000
Relative permittivity (real part)	39.818581
Relative permittivity (imaginary part)	13.905746
Conductivity (S/m)	1.338042
Variation (%)	-4.730000



Maximum location: X=1.00, Y=-29.00

SAR Peak: 1.19 W/kg

SAR 10g (W/Kg)	0.319867
SAR 1g (W/Kg)	0.660406



MEASUREMENT 9

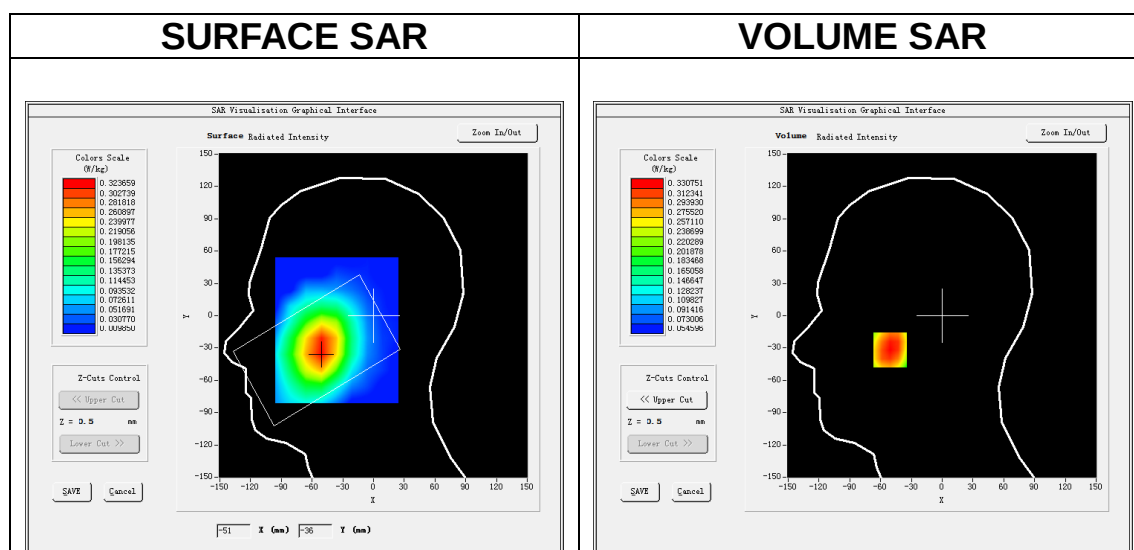
Date of measurement: 2/8/2021

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm dz=5mm</u>
<u>Phantom</u>	<u>Left head</u>
<u>Device Position</u>	<u>Cheek</u>
<u>Band</u>	<u>Band5 WCDMA850</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>WCDMA (Crest factor: 1.0)</u>

B. SAR Measurement Results

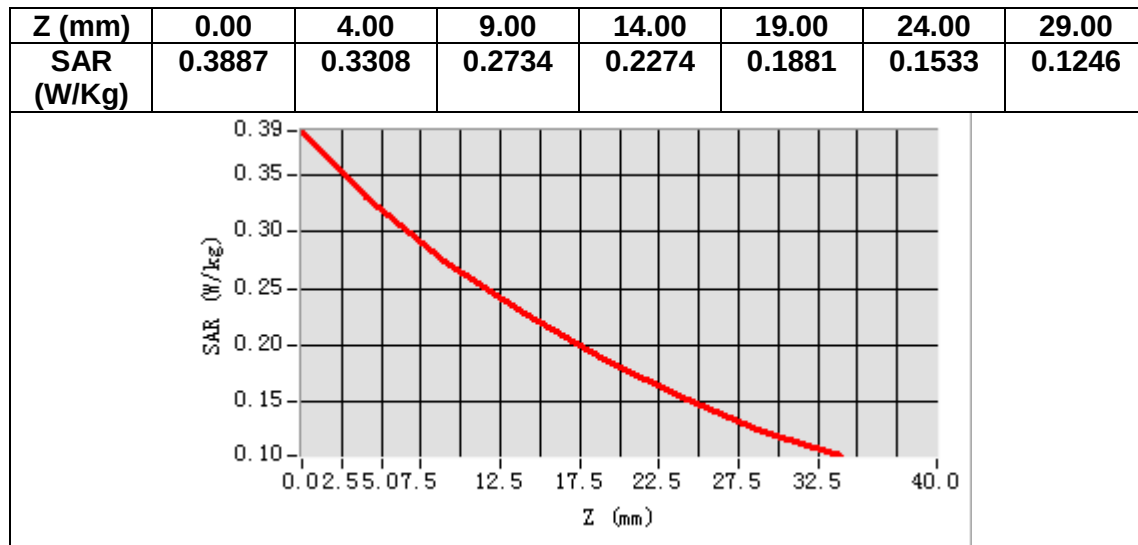
Frequency (MHz)	836.400000
Relative permittivity (real part)	42.593426
Relative permittivity (imaginary part)	19.743965
Conductivity (S/m)	0.917436
Variation (%)	-1.010000



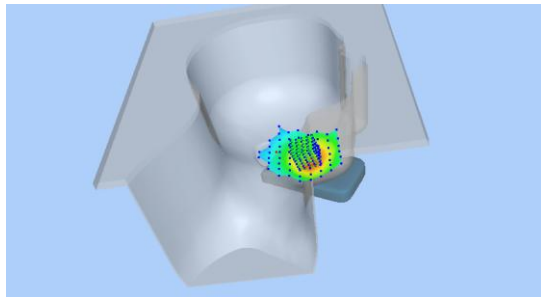
Maximum location: X=-51.00, Y=-32.00

SAR Peak: 0.39 W/kg

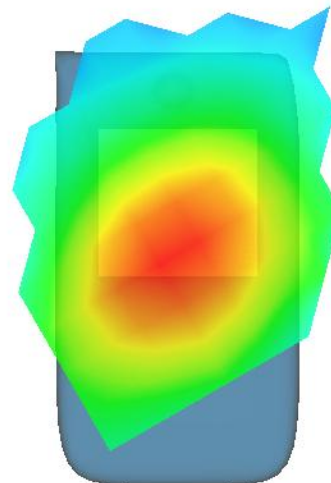
SAR 10g (W/Kg)	0.251205
SAR 1g (W/Kg)	0.325311



3D screen shot



Hot spot position



MEASUREMENT 10

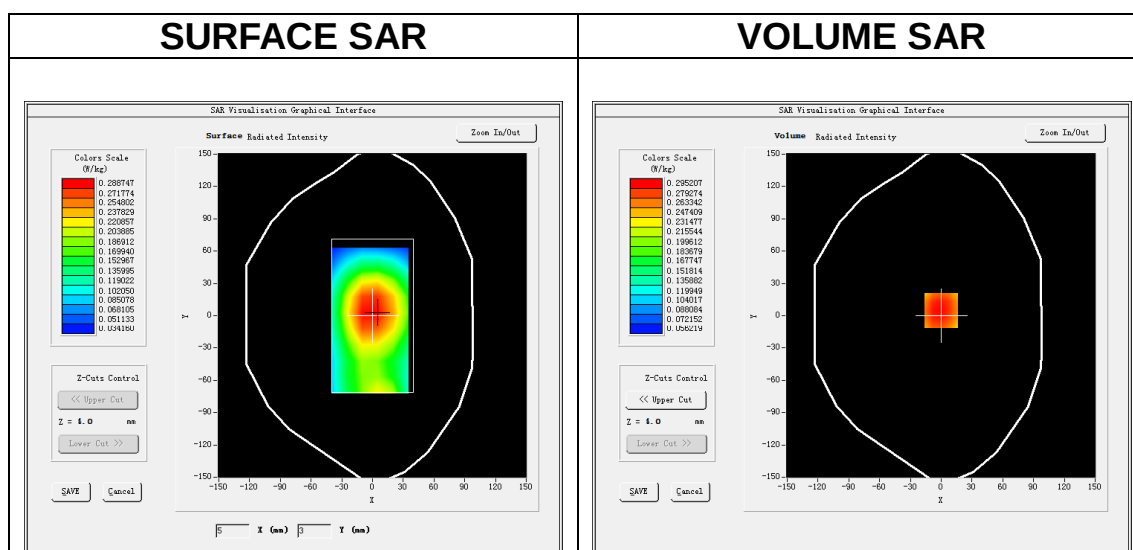
Date of measurement: 2/8/2021

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm dz=5mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>Band5 WCDMA850</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>WCDMA (Crest factor: 1.0)</u>

B. SAR Measurement Results

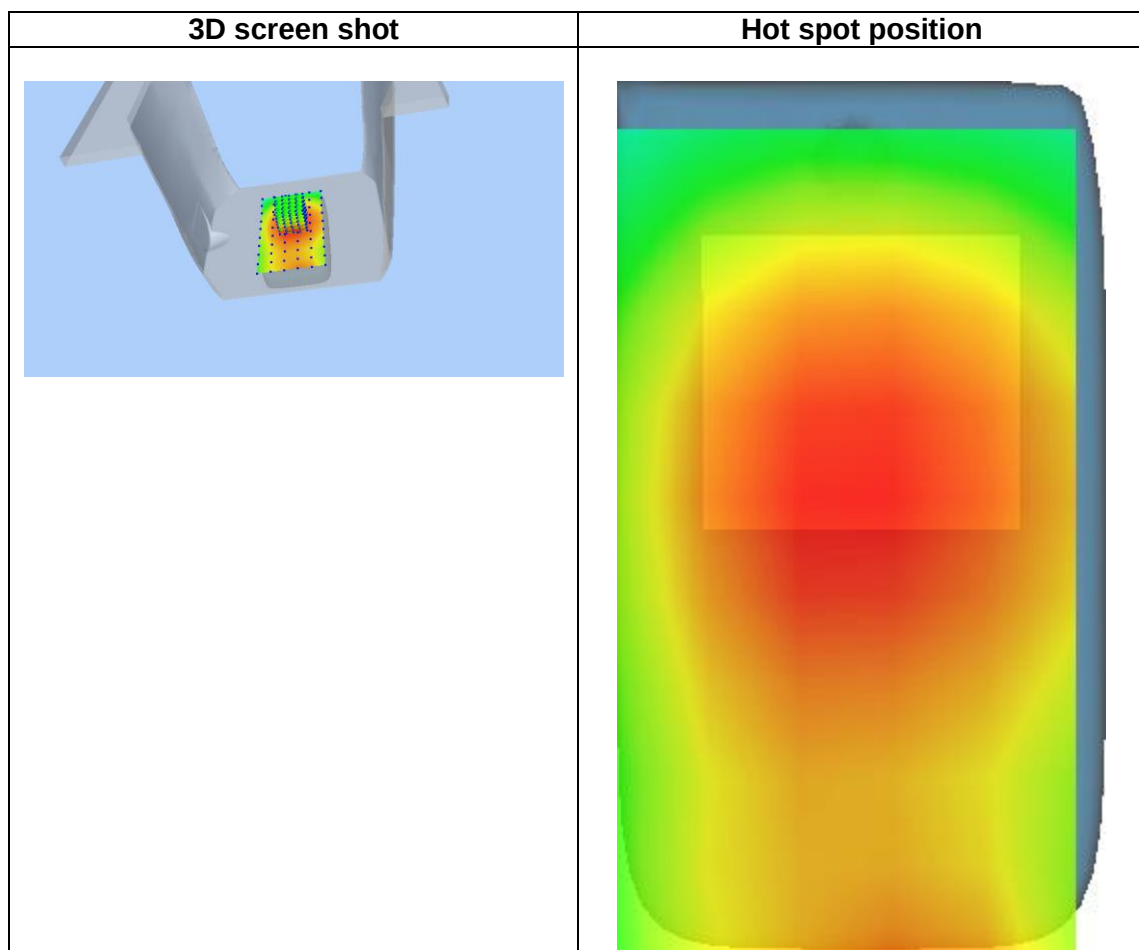
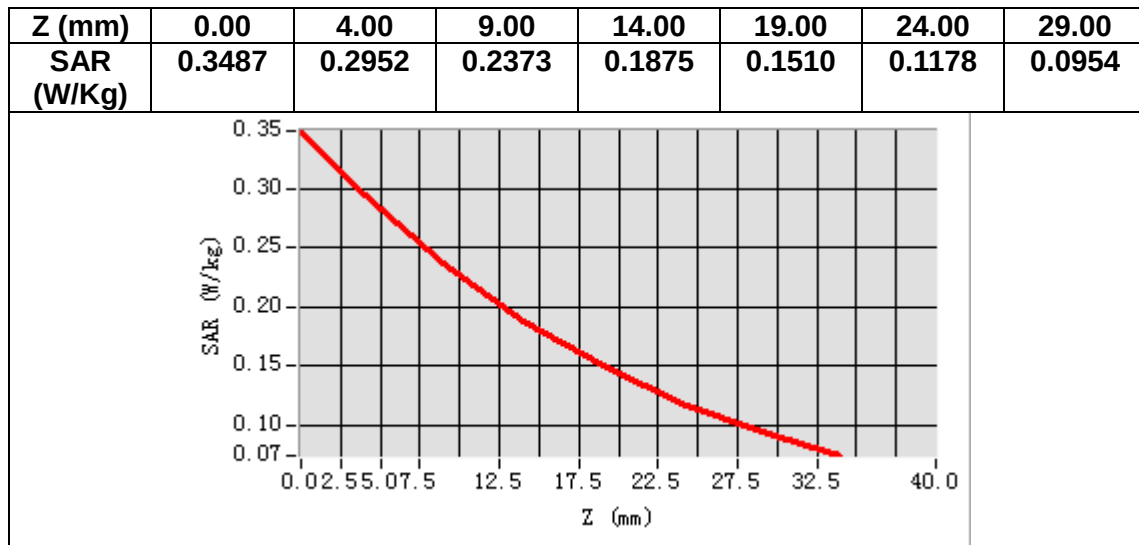
Frequency (MHz)	836.400000
Relative permittivity (real part)	42.593426
Relative permittivity (imaginary part)	19.743965
Conductivity (S/m)	0.917436
Variation (%)	-0.370000



Maximum location: X=0.00, Y=5.00

SAR Peak: 0.35 W/kg

SAR 10g (W/Kg)	0.221100
SAR 1g (W/Kg)	0.288884



MEASUREMENT 11

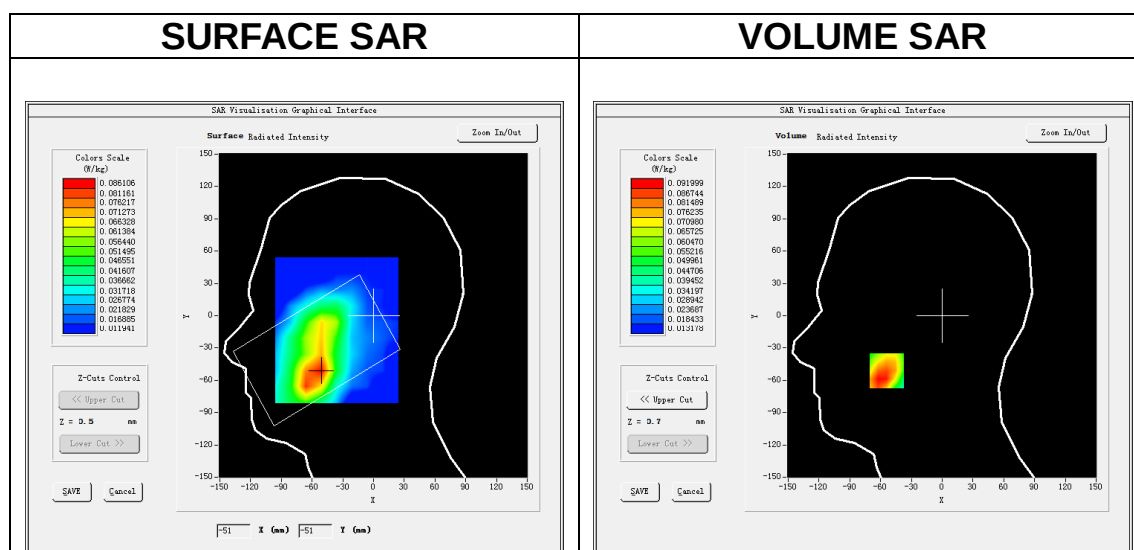
Date of measurement: 2/8/2021

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm dz=5mm</u>
<u>Phantom</u>	<u>Left head</u>
<u>Device Position</u>	<u>Cheek</u>
<u>Band</u>	<u>BC0</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>CDMA (Crest factor: 1.0)</u>

B. SAR Measurement Results

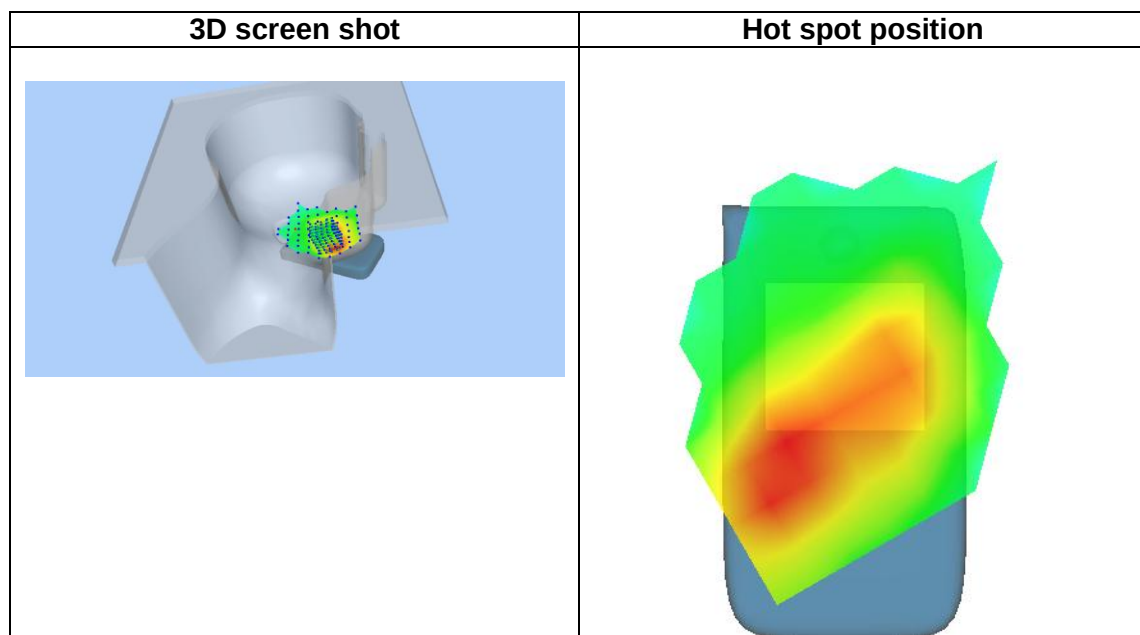
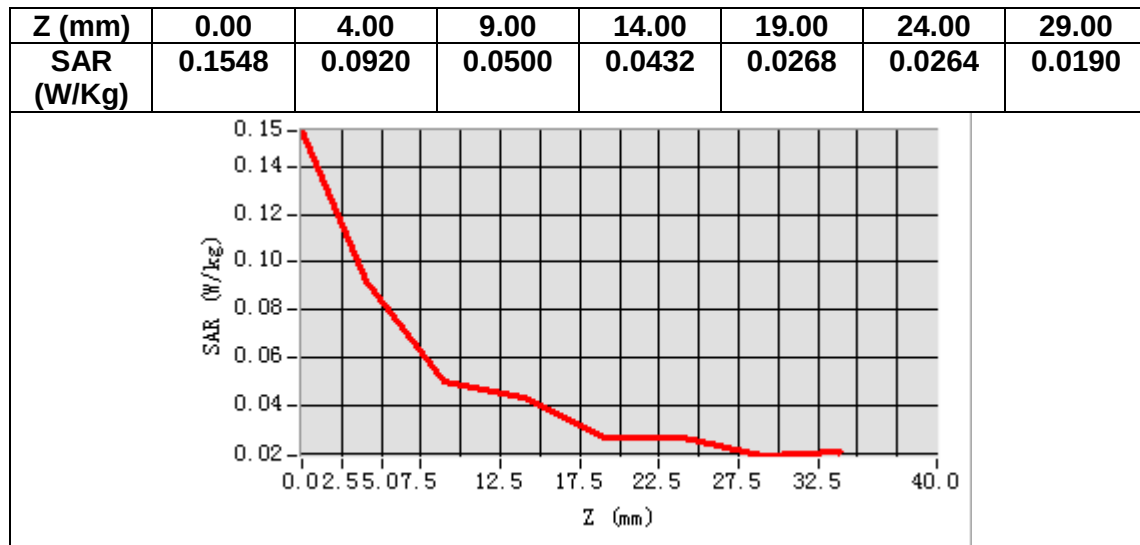
Frequency (MHz)	836.520000
Relative permittivity (real part)	42.583065
Relative permittivity (imaginary part)	19.749325
Conductivity (S/m)	0.917795
Variation (%)	-3.590000



Maximum location: X=-54.00, Y=-51.00

SAR Peak: 0.13 W/kg

SAR 10g (W/Kg)	0.058865
SAR 1g (W/Kg)	0.091619



MEASUREMENT 12

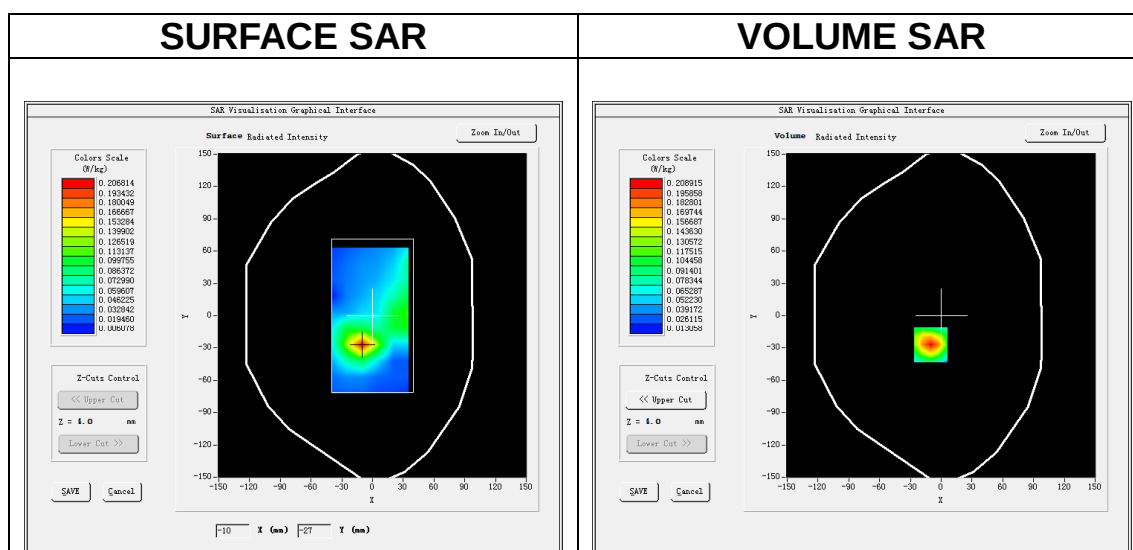
Date of measurement: 2/8/2021

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm dz=5mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>BC0</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>CDMA (Crest factor: 1.0)</u>

B. SAR Measurement Results

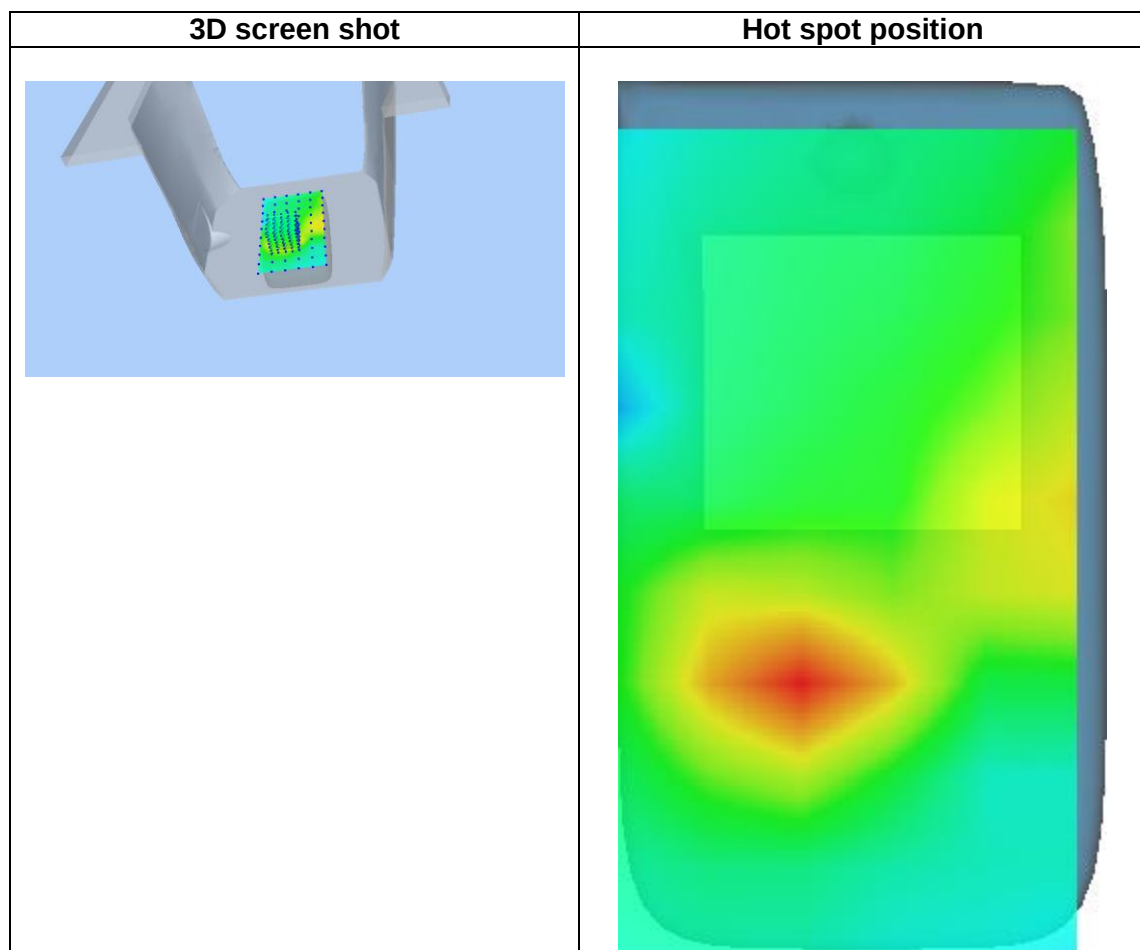
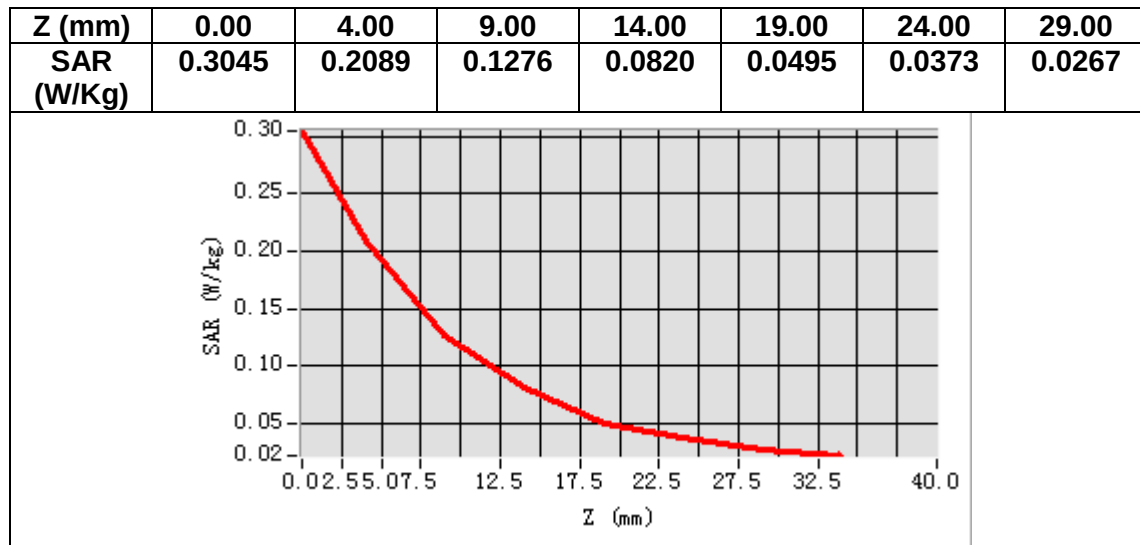
Frequency (MHz)	836.520000
Relative permittivity (real part)	42.583065
Relative permittivity (imaginary part)	19.749325
Conductivity (S/m)	0.917795
Variation (%)	-0.610000



Maximum location: X=-10.00, Y=-27.00

SAR Peak: 0.30 W/kg

SAR 10g (W/Kg)	0.110284
SAR 1g (W/Kg)	0.197173



MEASUREMENT 13

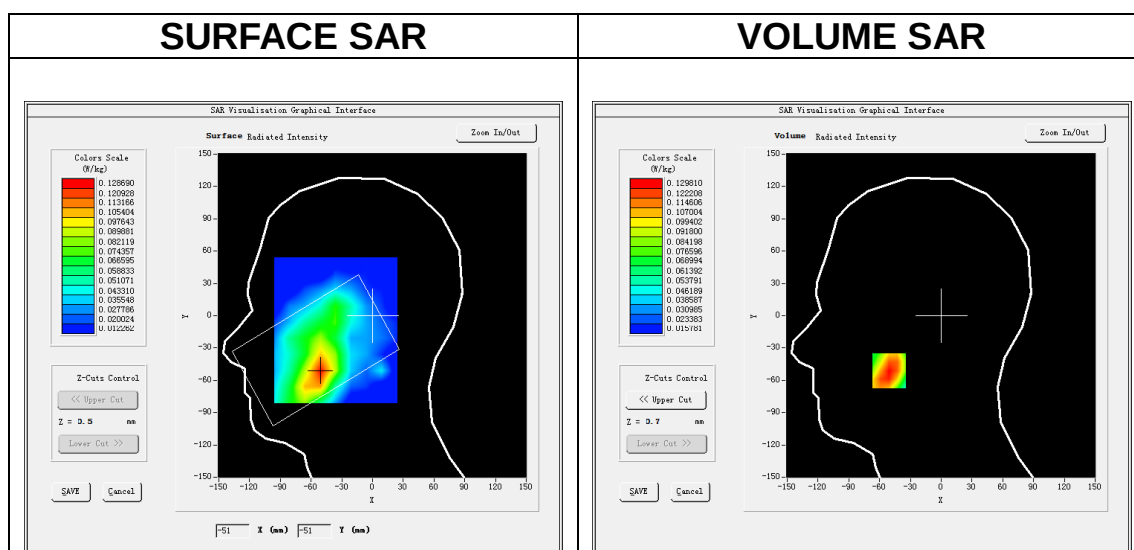
Date of measurement: 3/8/2021

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm dz=5mm</u>
<u>Phantom</u>	<u>Left head</u>
<u>Device Position</u>	<u>Cheek</u>
<u>Band</u>	<u>BC1</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>CDMA (Crest factor: 1.0)</u>

B. SAR Measurement Results

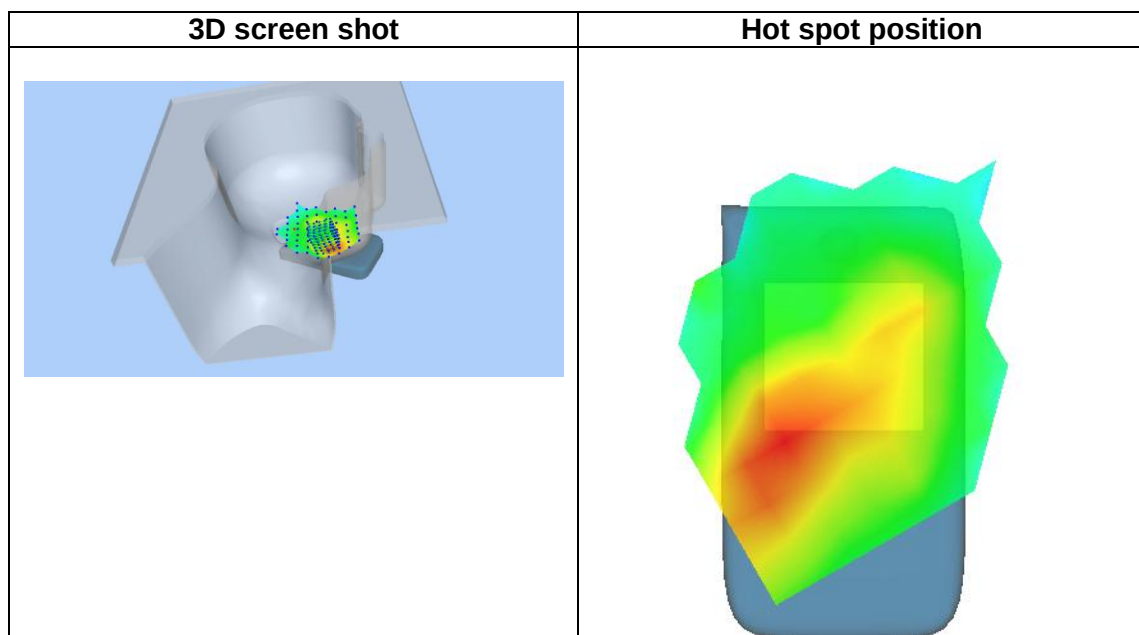
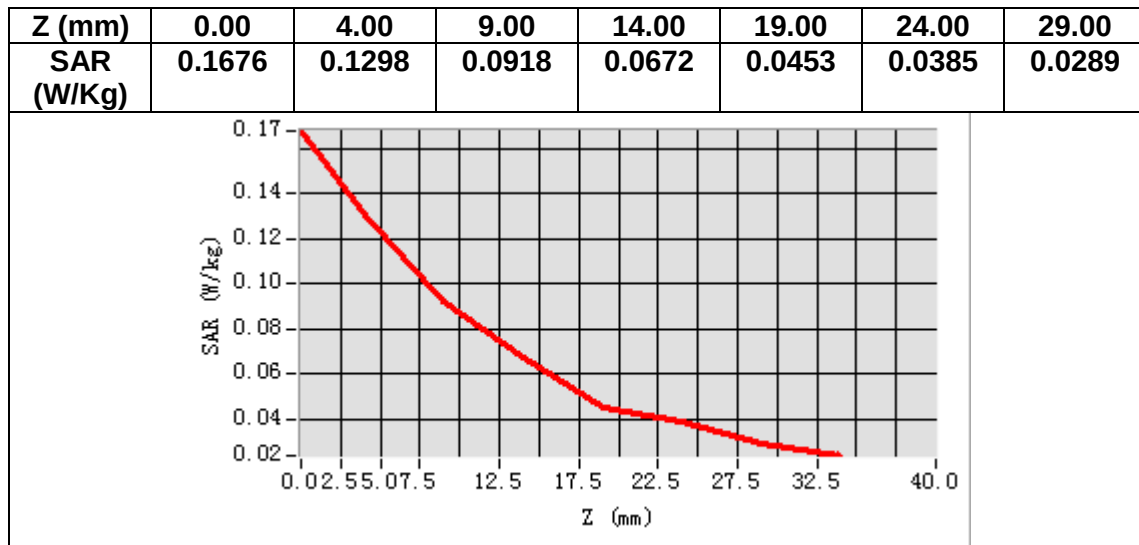
Frequency (MHz)	1880.000000
Relative permittivity (real part)	38.167542
Relative permittivity (imaginary part)	13.624232
Conductivity (S/m)	1.422975
Variation (%)	-4.620000



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

SAR Peak: 0.17 W/kg

SAR 10g (W/Kg)	0.082351
SAR 1g (W/Kg)	0.123748



MEASUREMENT 14

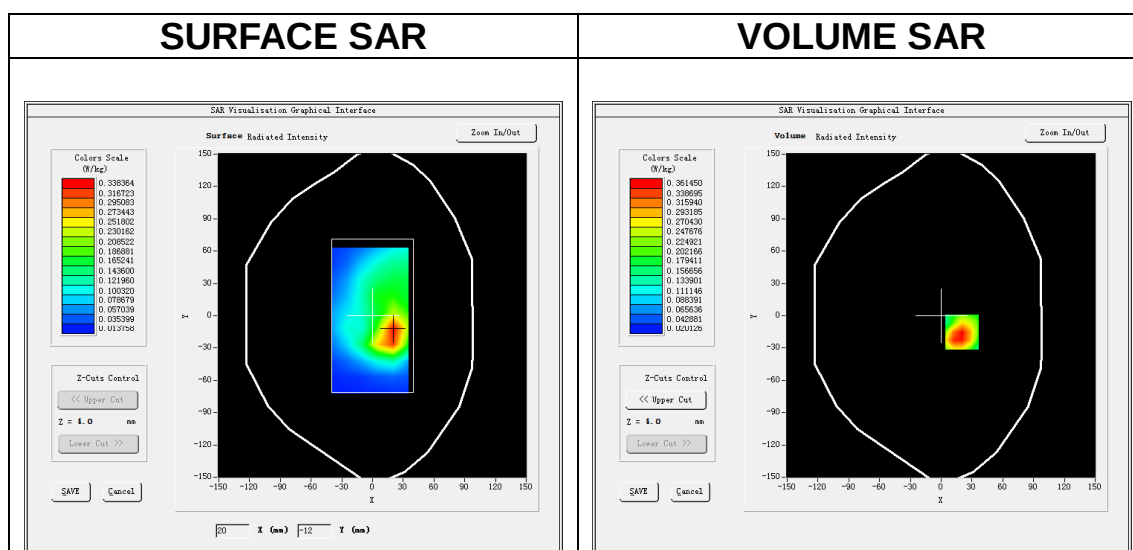
Date of measurement: 3/8/2021

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm dz=5mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>BC1</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	CDMA (Crest factor: 1.0)

B. SAR Measurement Results

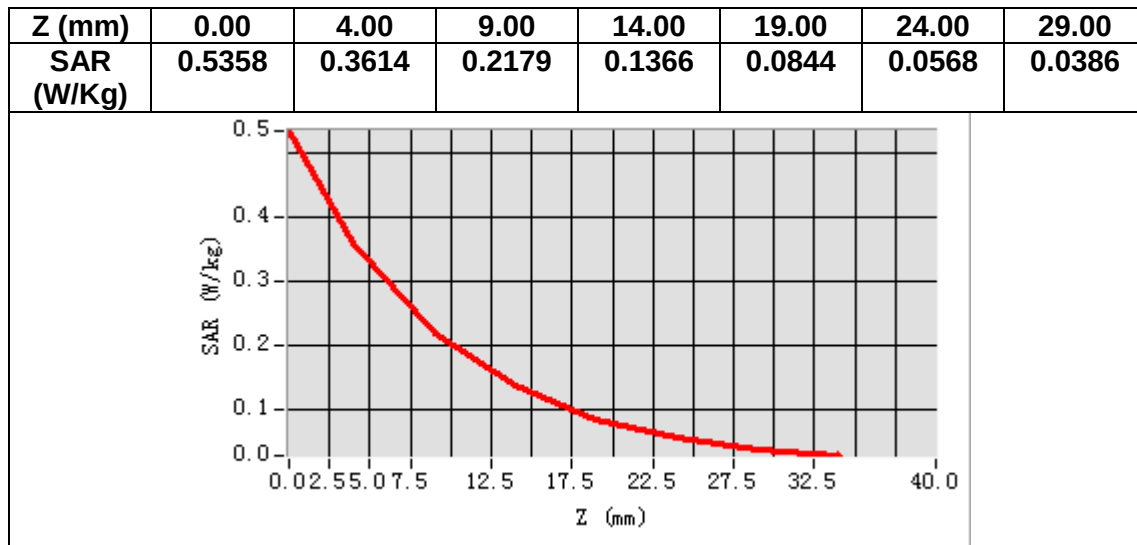
Frequency (MHz)	1880.000000
Relative permittivity (real part)	38.167542
Relative permittivity (imaginary part)	13.624232
Conductivity (S/m)	1.422975
Variation (%)	-3.000000



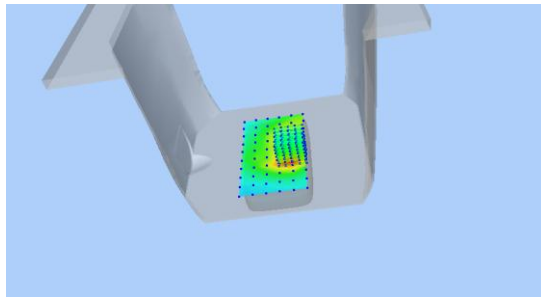
Maximum location: X=20.00, Y=-15.00

SAR Peak: 0.57 W/kg

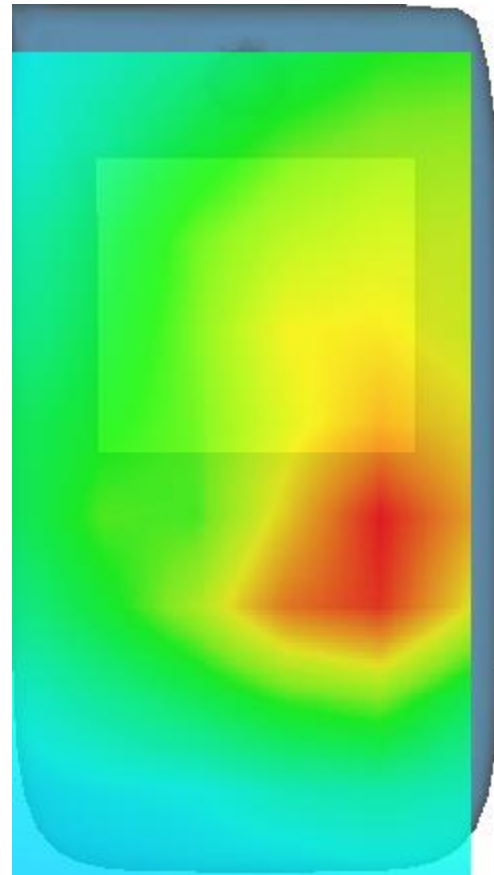
SAR 10g (W/Kg)	0.198369
SAR 1g (W/Kg)	0.354668



3D screen shot



Hot spot position



MEASUREMENT 15

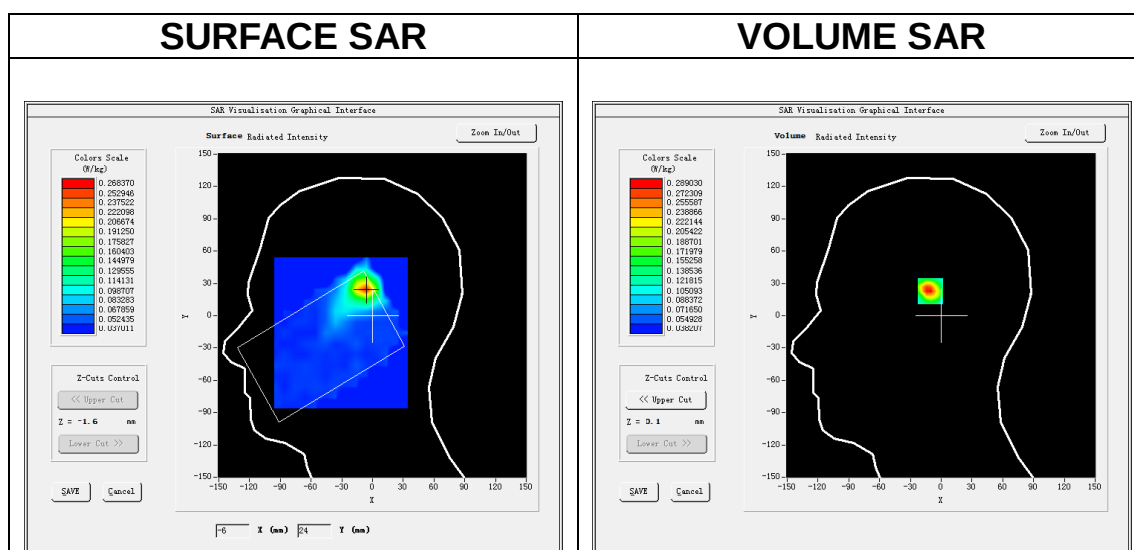
Date of measurement: 10/8/2021

A. Experimental conditions.

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

B. SAR Measurement Results

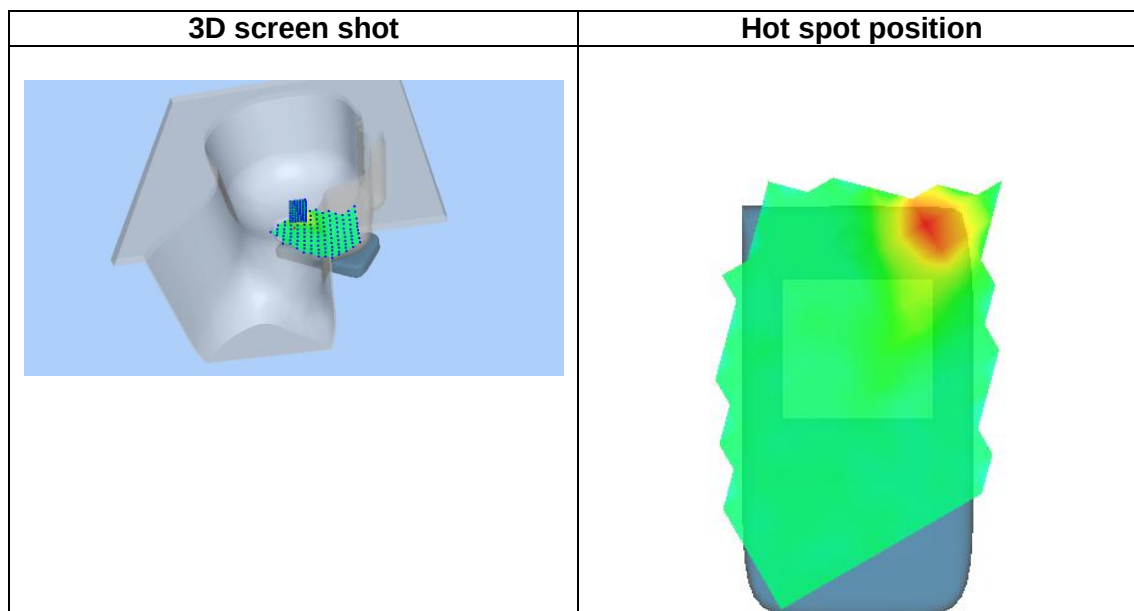
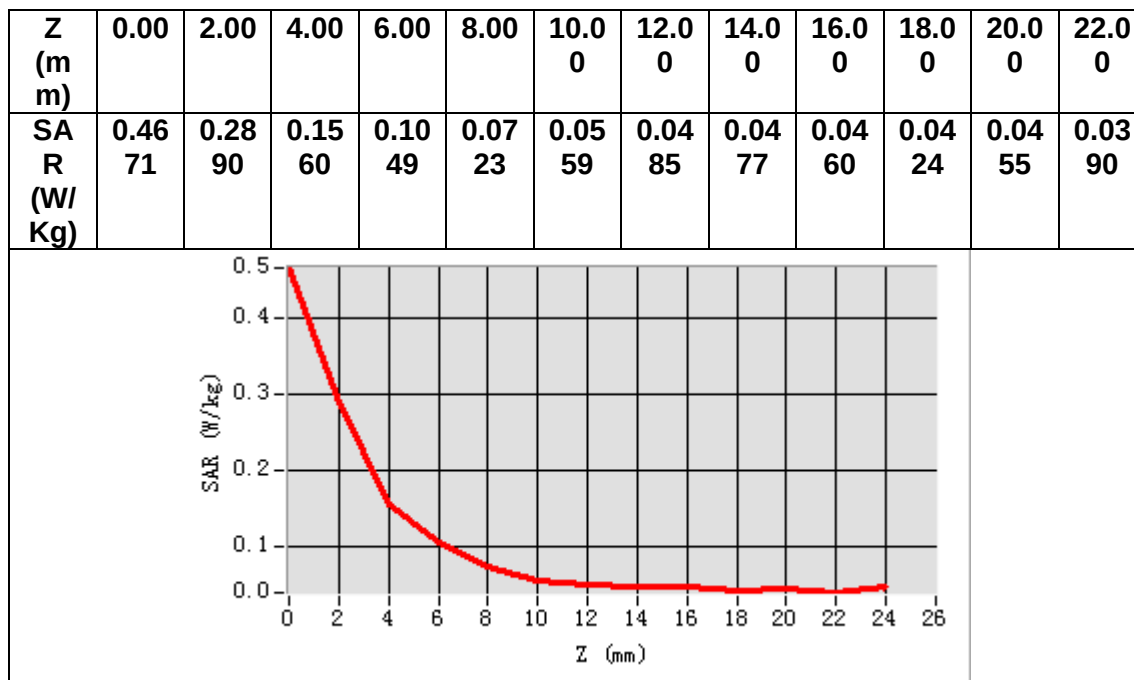
Frequency (MHz)	5200.000000
Relative permittivity (real part)	36.654322
Relative permittivity (imaginary part)	16.295178
Conductivity (S/m)	4.707496
Variation (%)	3.470000



Maximum location: X=-7.00, Y=25.00

SAR Peak: 0.73 W/kg

SAR 10g (W/Kg)	0.123131
SAR 1g (W/Kg)	0.281750



MEASUREMENT 16

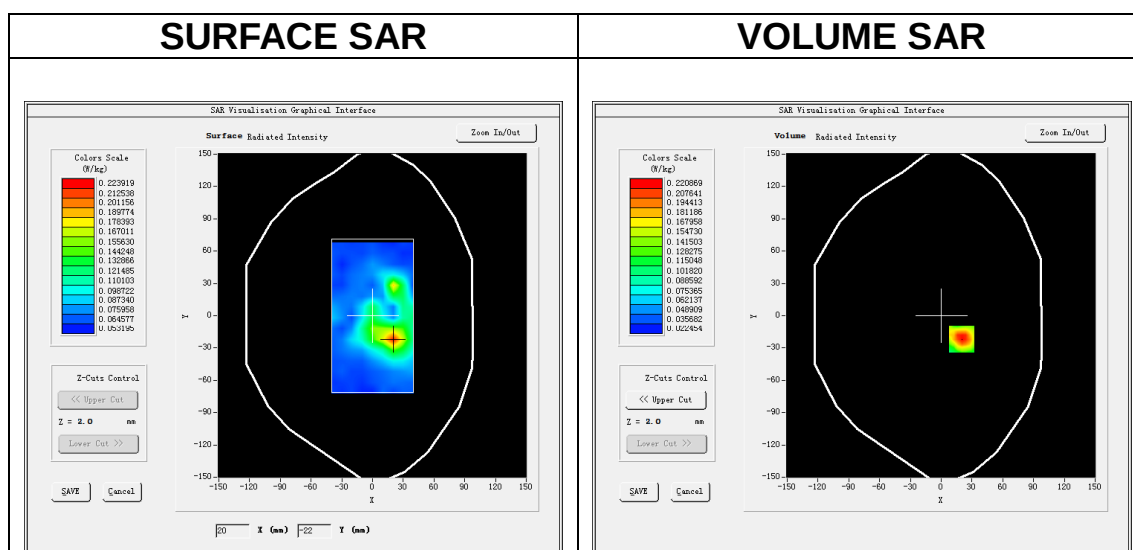
Date of measurement: 10/8/2021

A. Experimental conditions.

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

B. SAR Measurement Results

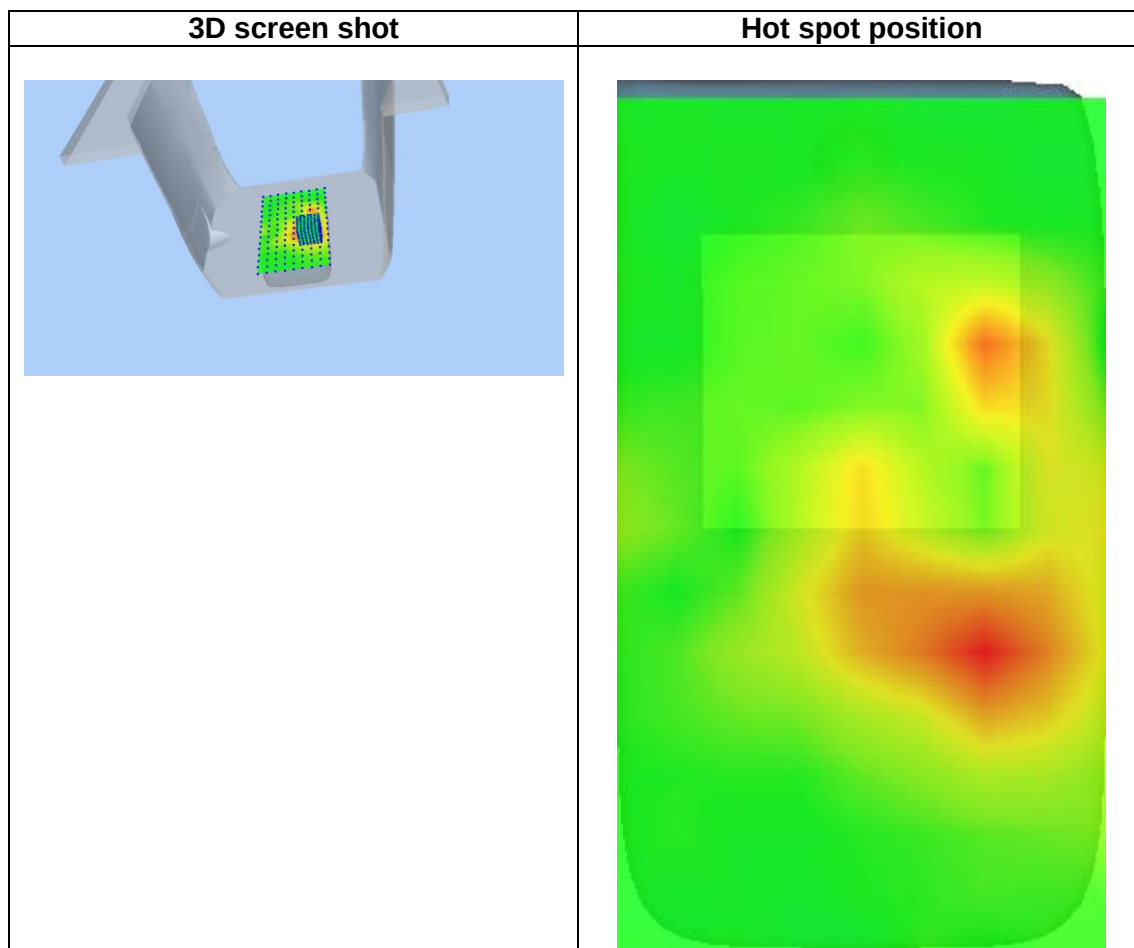
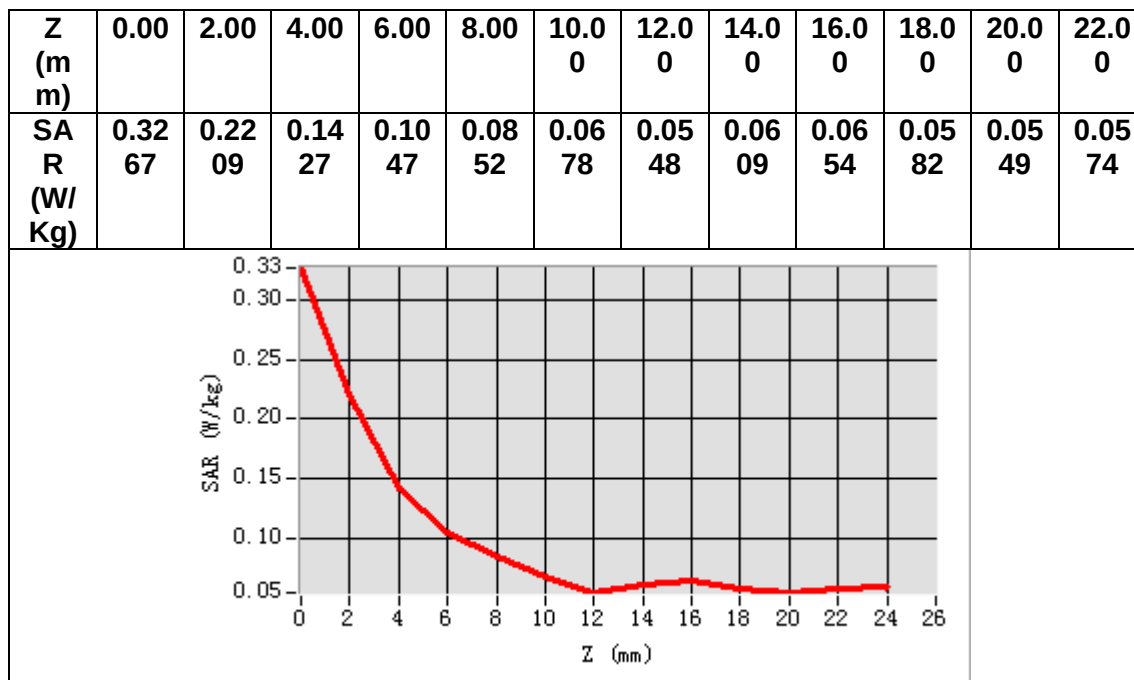
Frequency (MHz)	5200.000000
Relative permittivity (real part)	36.654322
Relative permittivity (imaginary part)	16.295178
Conductivity (S/m)	4.707496
Variation (%)	3.730000



Maximum location: X=20.00, Y=-22.00

SAR Peak: 0.34 W/kg

SAR 10g (W/Kg)	0.114147
SAR 1g (W/Kg)	0.182473



MEASUREMENT 17

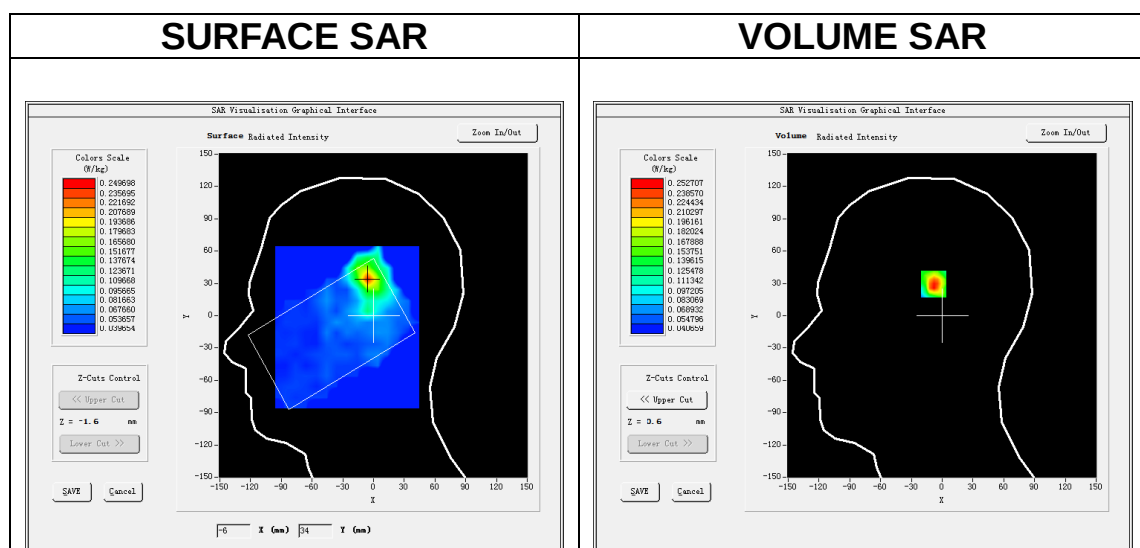
Date of measurement: 11/8/2021

A. Experimental conditions.

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

B. SAR Measurement Results

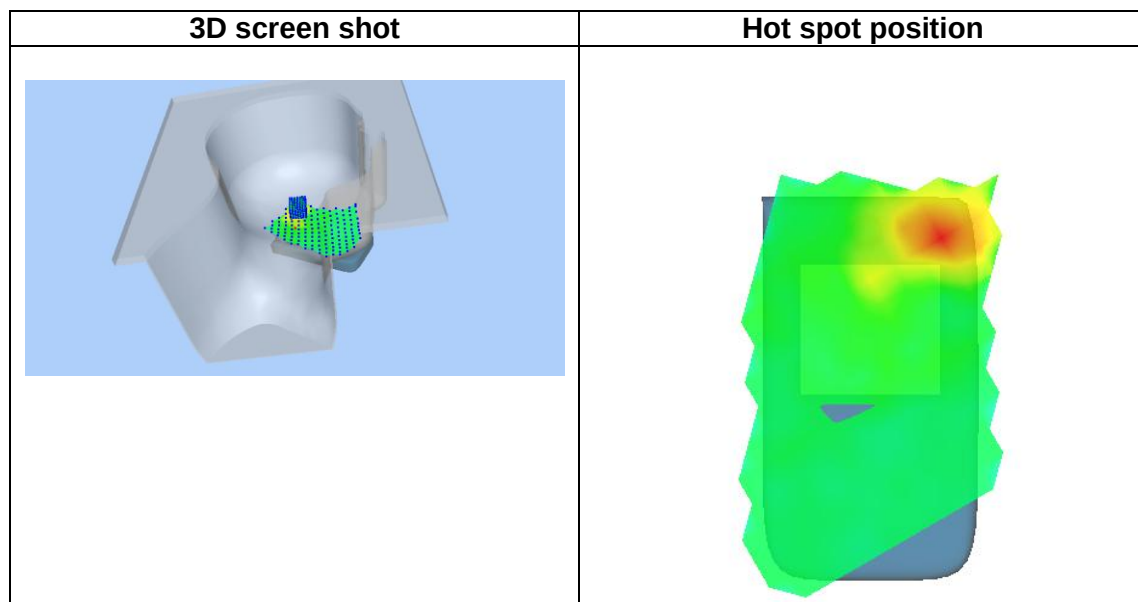
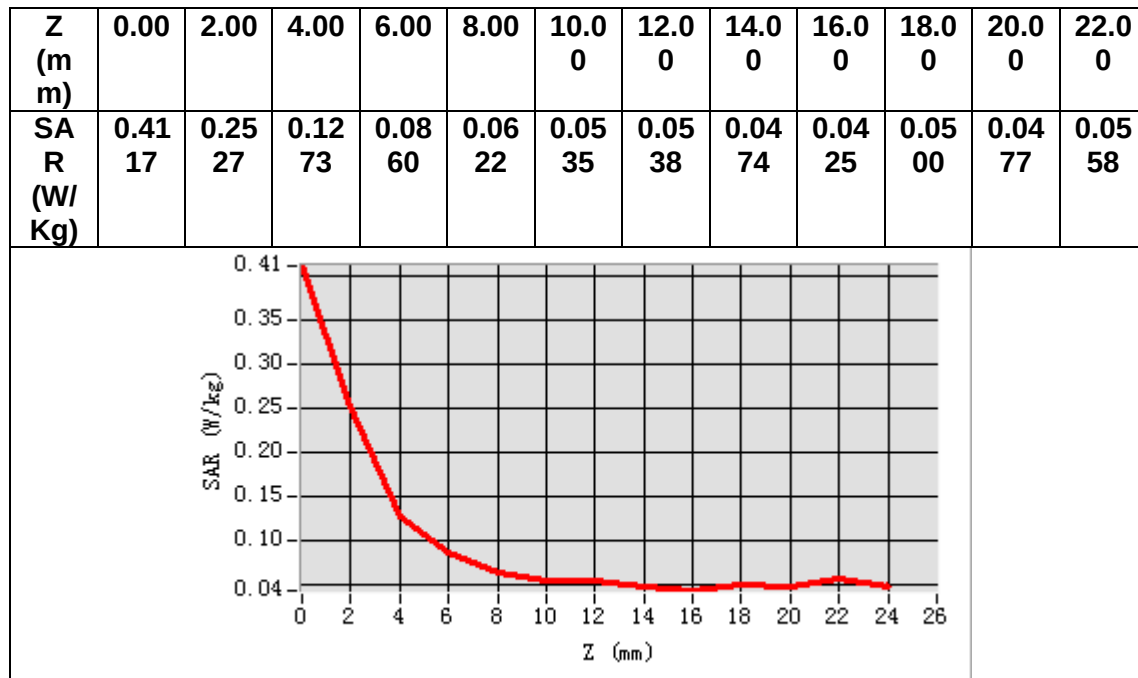
Frequency (MHz)	5785.000000
Relative permittivity (real part)	36.052412
Relative permittivity (imaginary part)	16.274469
Conductivity (S/m)	5.230434
Variation (%)	-0.650000



Maximum location: X=-6.00, Y=34.00

SAR Peak: 0.64 W/kg

SAR 10g (W/Kg)	0.117123
SAR 1g (W/Kg)	0.294395



MEASUREMENT 18

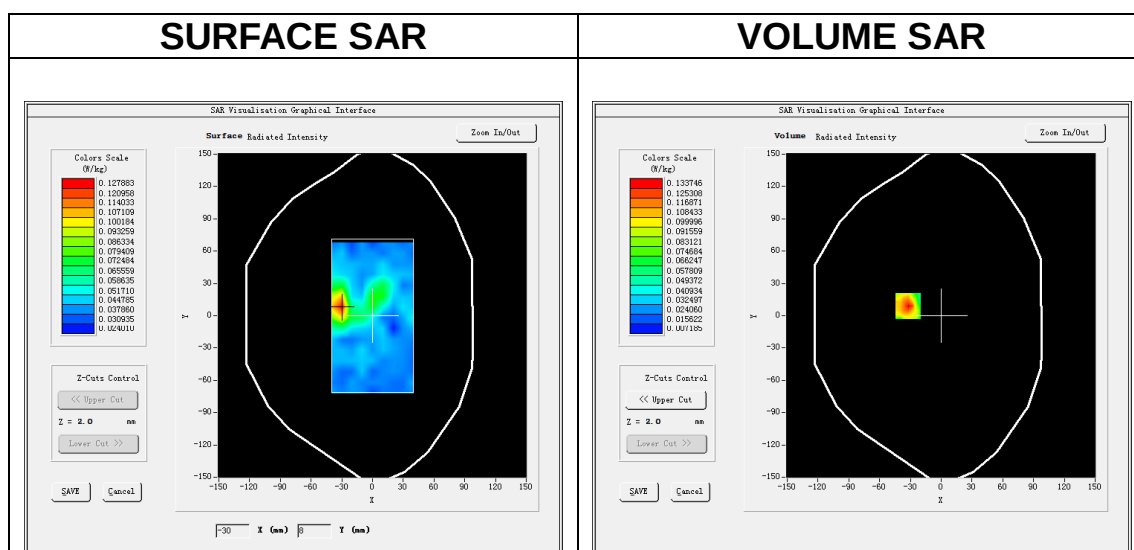
Date of measurement: 11/8/2021

A. Experimental conditions.

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

B. SAR Measurement Results

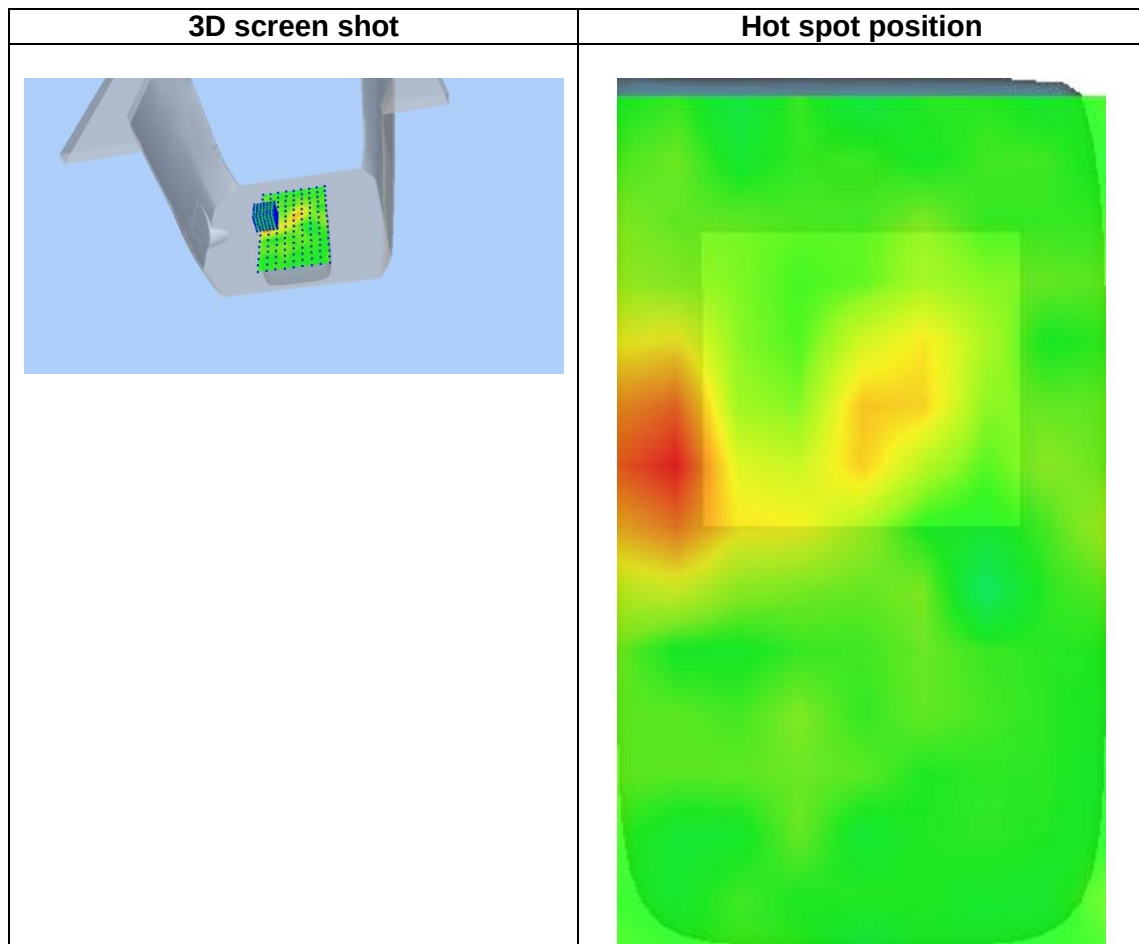
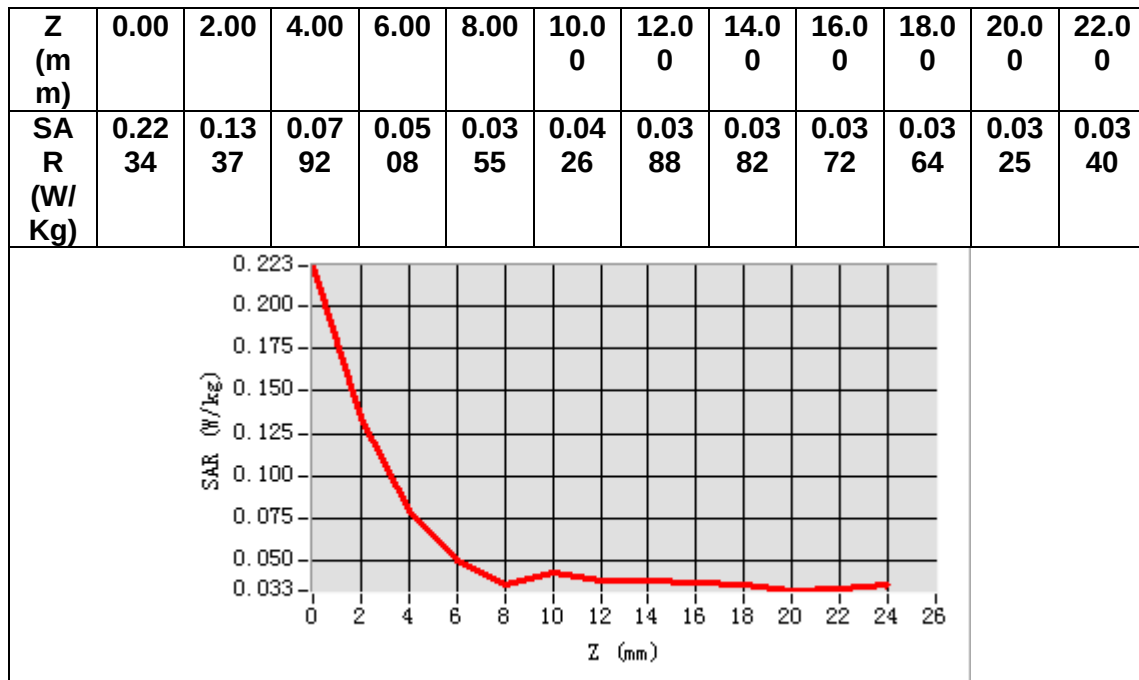
Frequency (MHz)	5785.000000
Relative permittivity (real part)	36.052412
Relative permittivity (imaginary part)	16.274469
Conductivity (S/m)	5.230434
Variation (%)	-2.160000



Maximum location: X=-32.00, Y=9.00

SAR Peak: 0.24 W/kg

SAR 10g (W/Kg)	0.103041
SAR 1g (W/Kg)	0.152674



MEASUREMENT 19

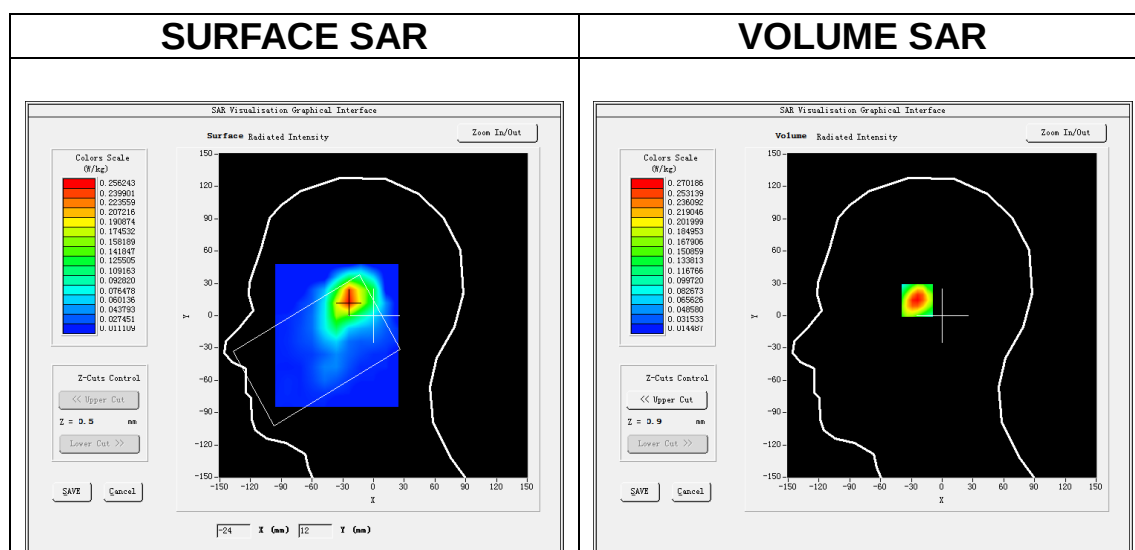
Date of measurement: 1/8/2021

A. Experimental conditions.

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

B. SAR Measurement Results

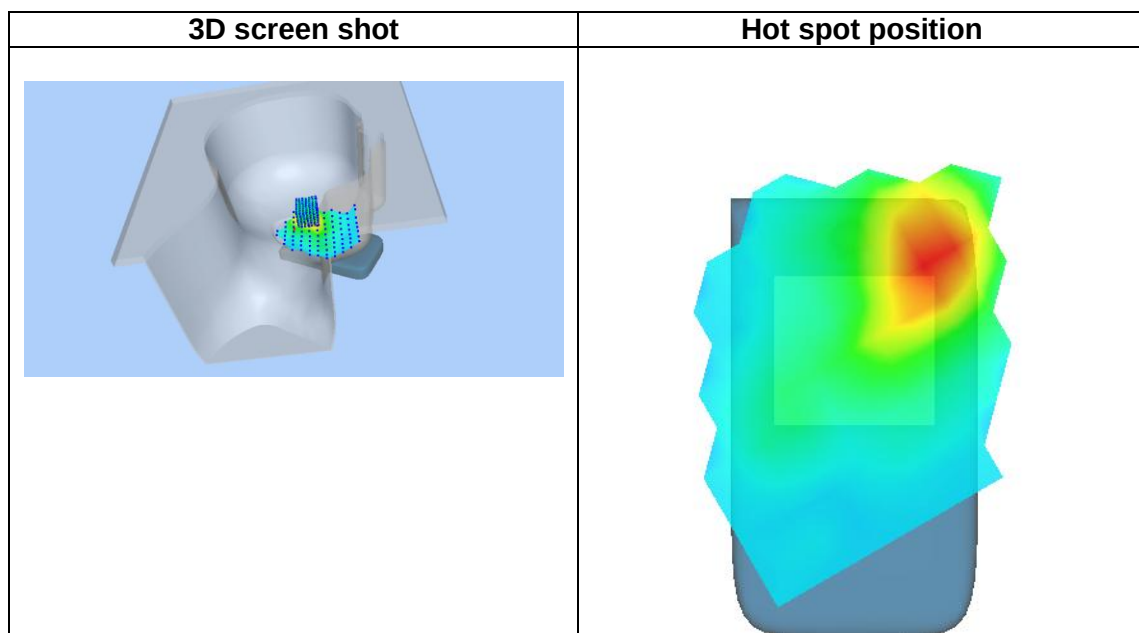
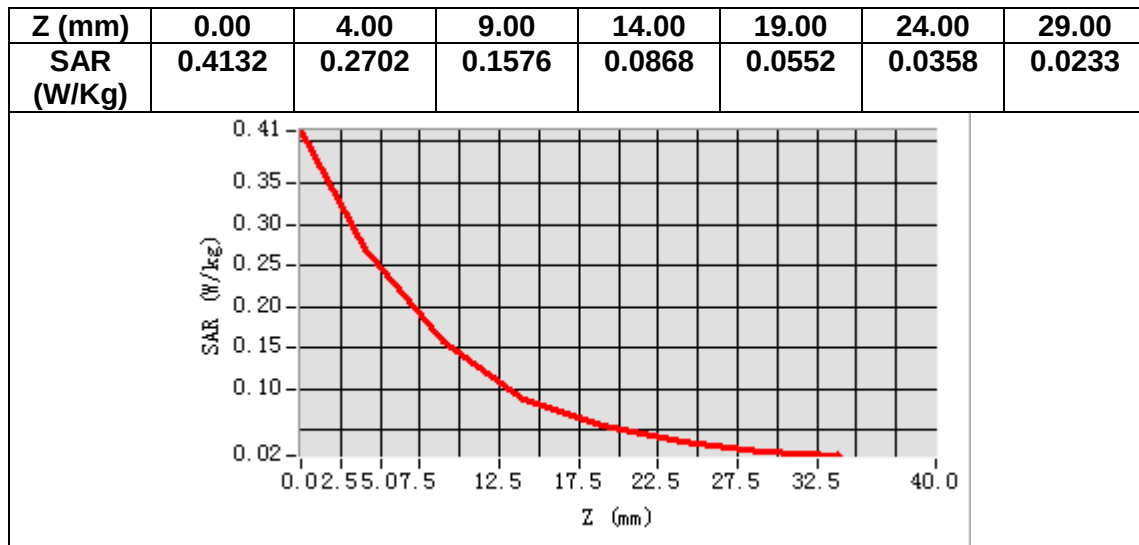
Frequency (MHz)	2437.000000
Relative permittivity (real part)	40.945240
Relative permittivity (imaginary part)	12.995441
Conductivity (S/m)	1.759438
Variation (%)	1.890000



Maximum location: X=-23.00, Y=16.00

SAR Peak: 0.41 W/kg

SAR 10g (W/Kg)	0.138352
SAR 1g (W/Kg)	0.251864



MEASUREMENT 20

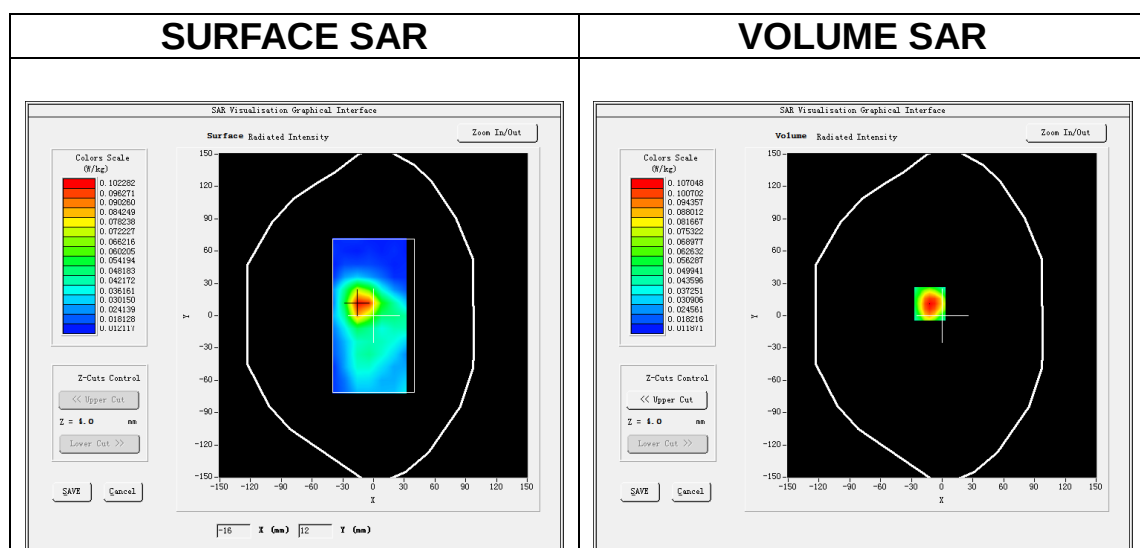
Date of measurement: 1/8/2021

A. Experimental conditions.

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

B. SAR Measurement Results

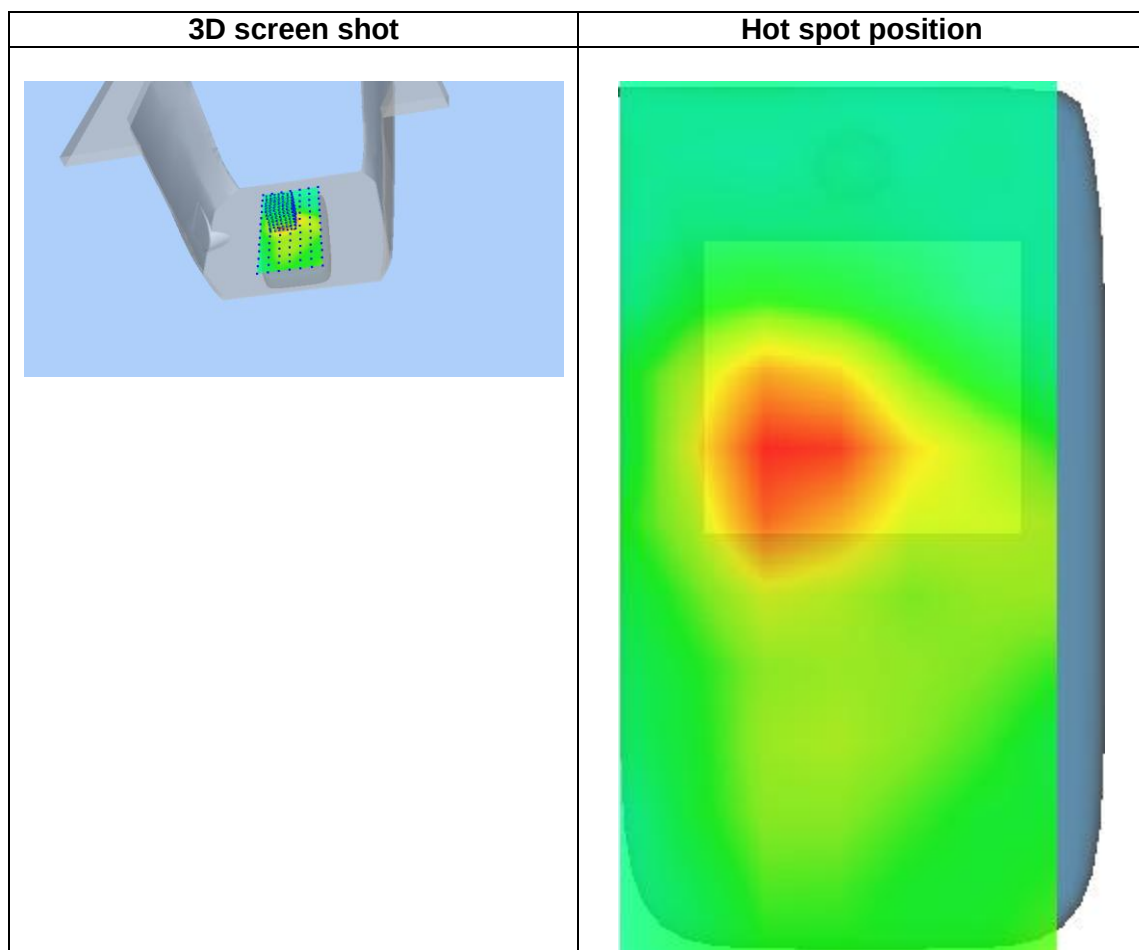
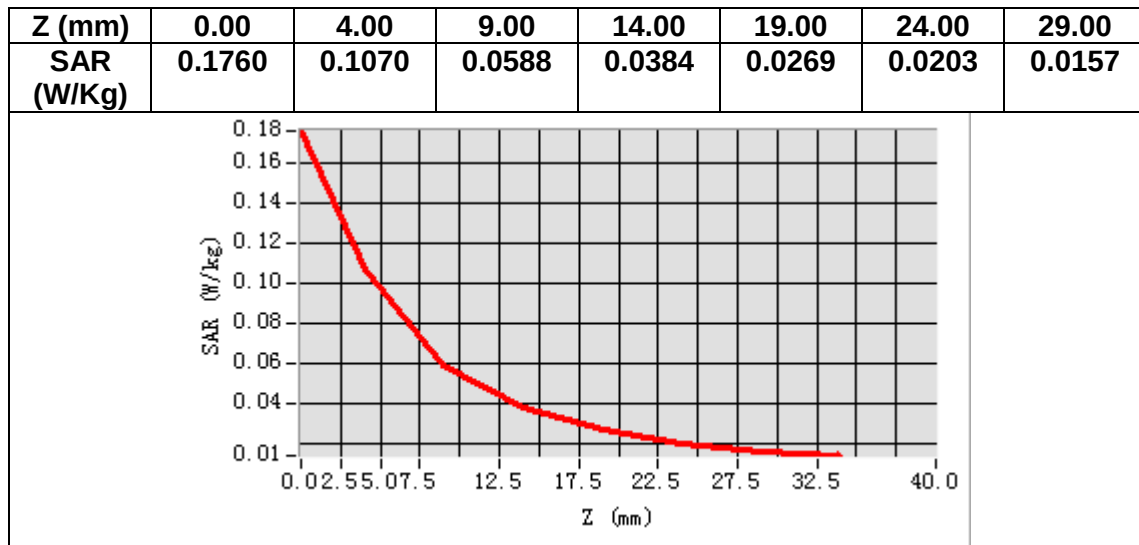
Frequency (MHz)	2437.000000
Relative permittivity (real part)	40.945240
Relative permittivity (imaginary part)	12.995441
Conductivity (S/m)	1.759438
Variation (%)	-4.060000



Maximum location: X=-12.00, Y=11.00

SAR Peak: 0.17 W/kg

SAR 10g (W/Kg)	0.058560
SAR 1g (W/Kg)	0.104121



MEASUREMENT 21

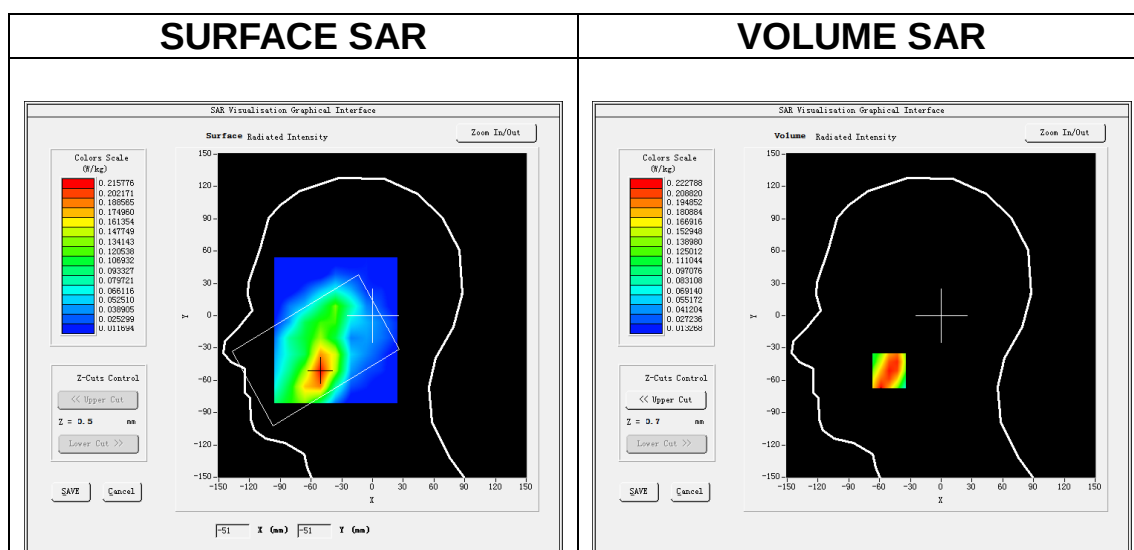
Date of measurement: 3/8/2021

A. Experimental conditions.

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

B. SAR Measurement Results

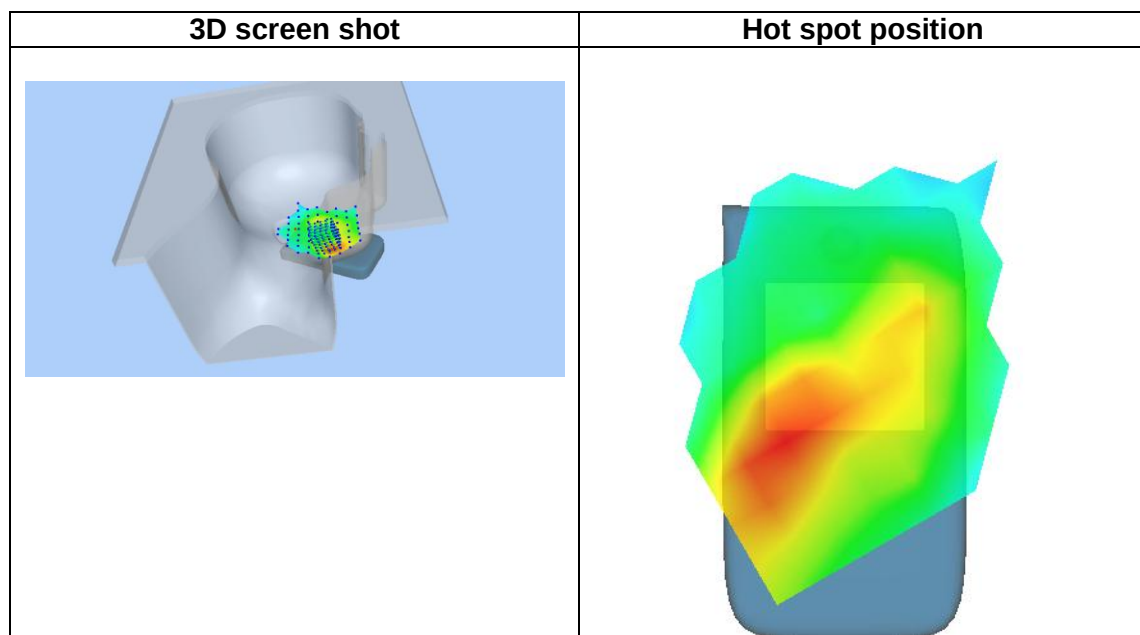
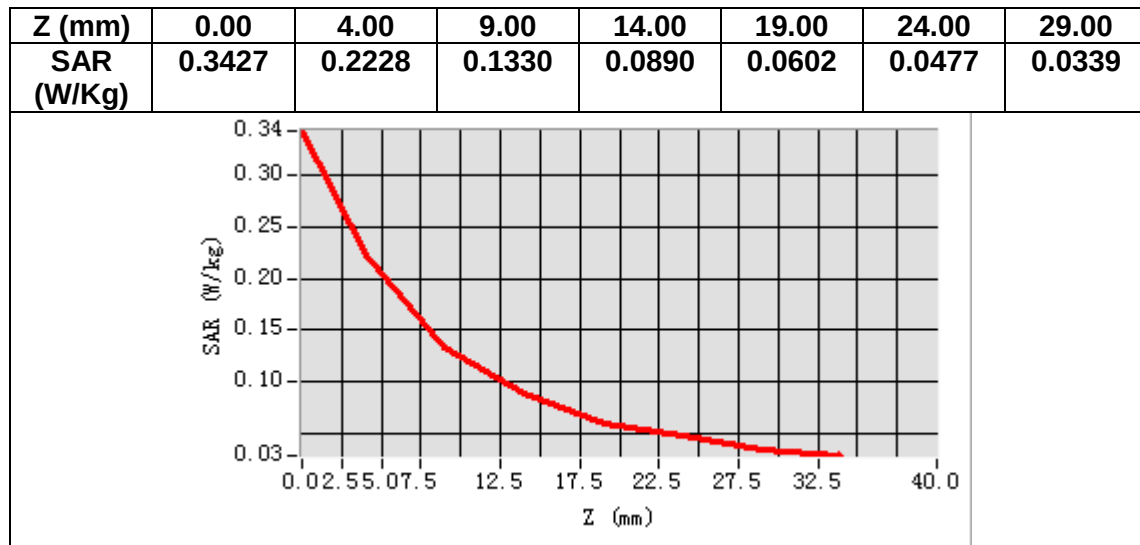
Frequency (MHz)	1880.000000
Relative permittivity (real part)	38.167542
Relative permittivity (imaginary part)	13.624232
Conductivity (S/m)	1.422975
Variation (%)	-1.240000



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

SAR Peak: 0.36 W/kg

SAR 10g (W/Kg)	0.133943
SAR 1g (W/Kg)	0.214180



MEASUREMENT 22

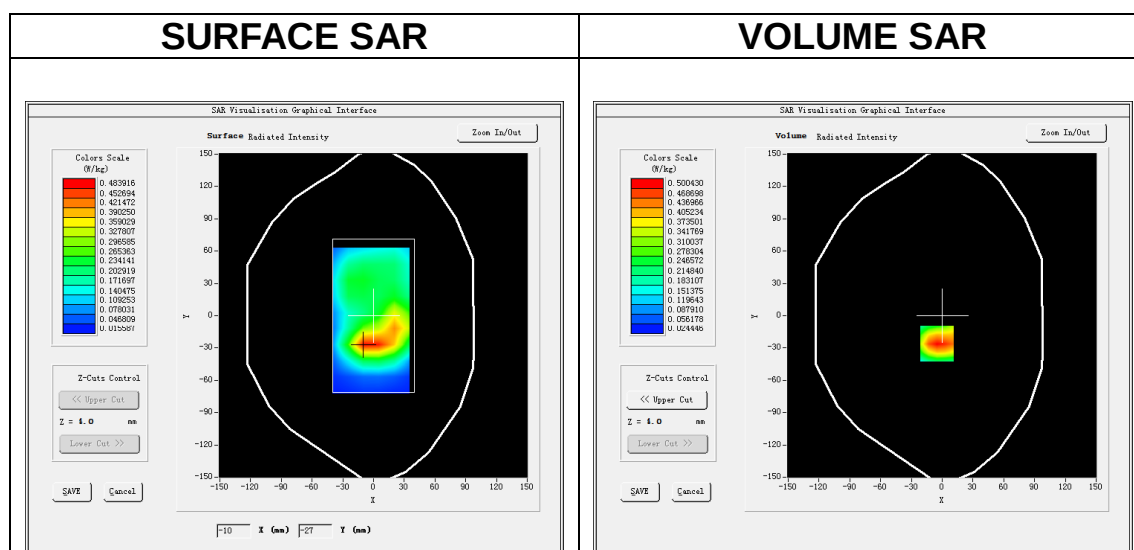
Date of measurement: 3/8/2021

A. Experimental conditions.

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

B. SAR Measurement Results

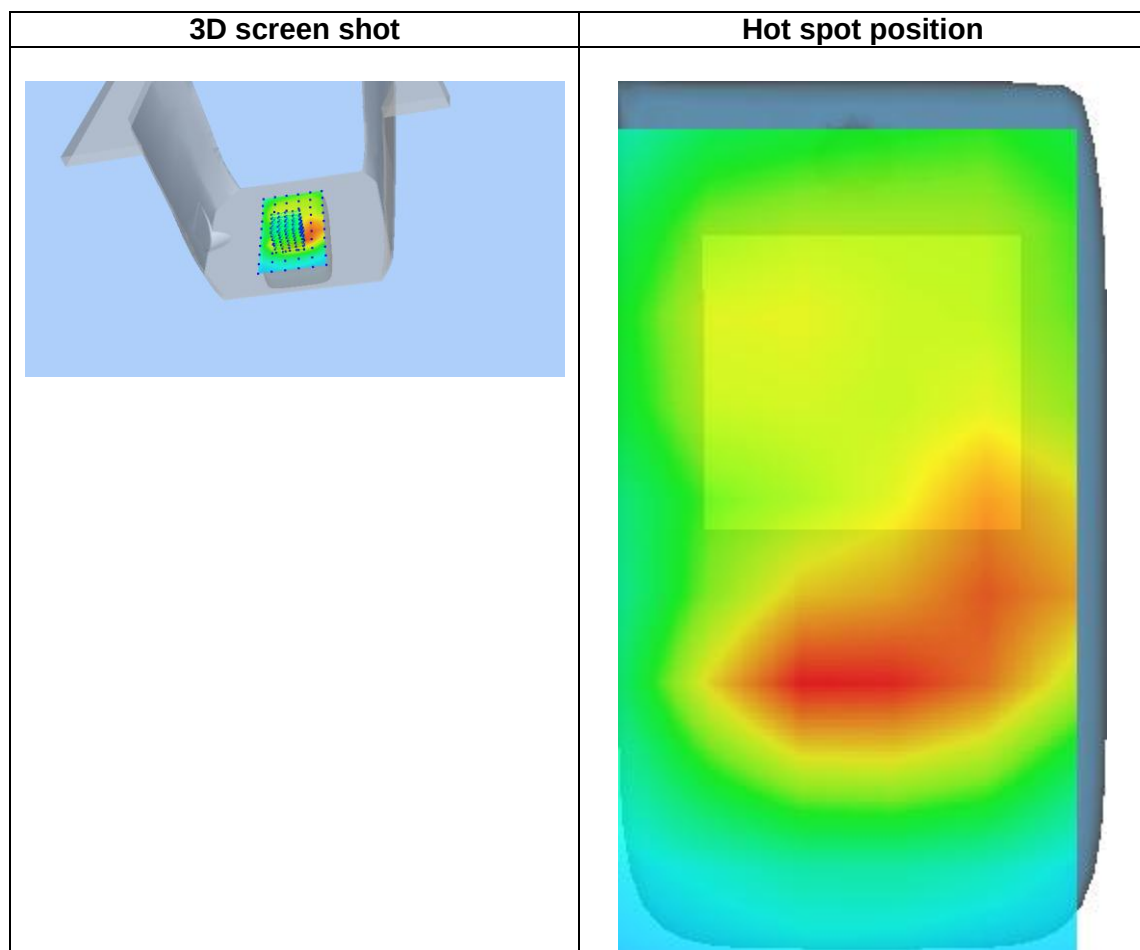
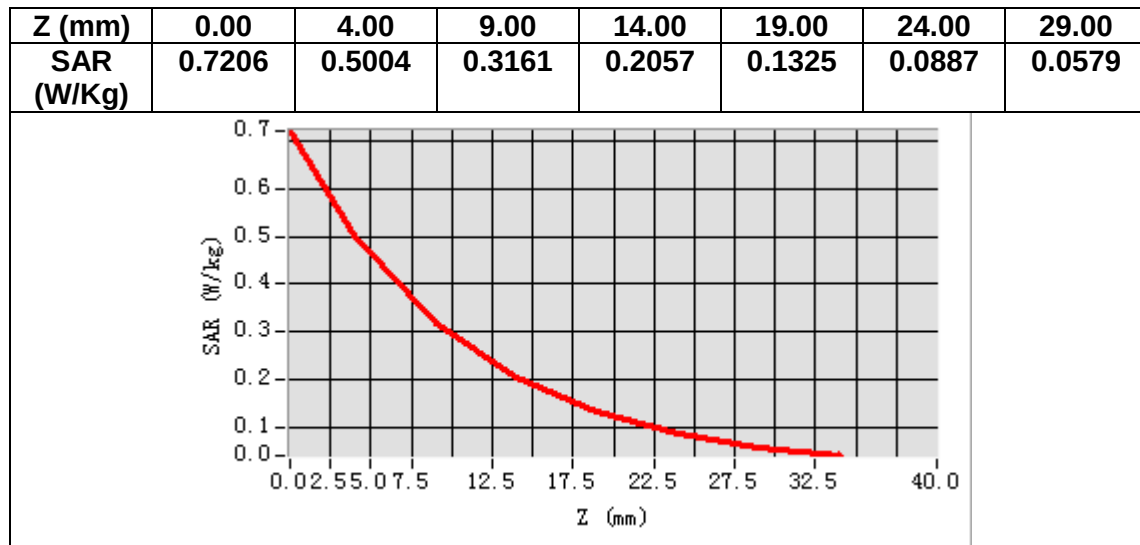
Frequency (MHz)	1880.000000
Relative permittivity (real part)	38.167542
Relative permittivity (imaginary part)	13.624232
Conductivity (S/m)	1.422975
Variation (%)	-1.210000



Maximum location: X=-5.00, Y=-26.00

SAR Peak: 0.72 W/kg

SAR 10g (W/Kg)	0.281316
SAR 1g (W/Kg)	0.481849



MEASUREMENT 23

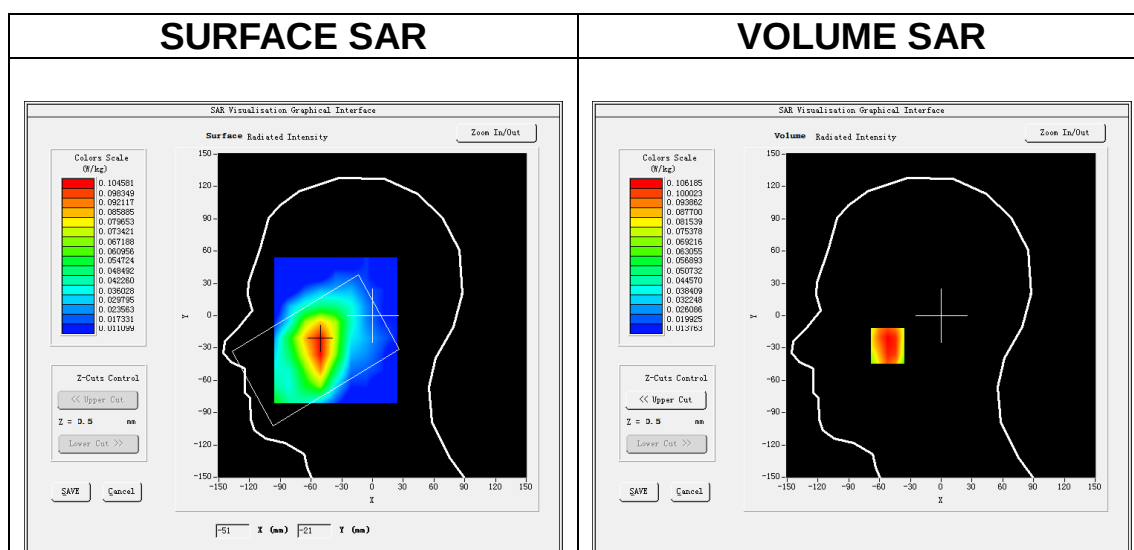
Date of measurement: 30/7/2021

A. Experimental conditions.

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

B. SAR Measurement Results

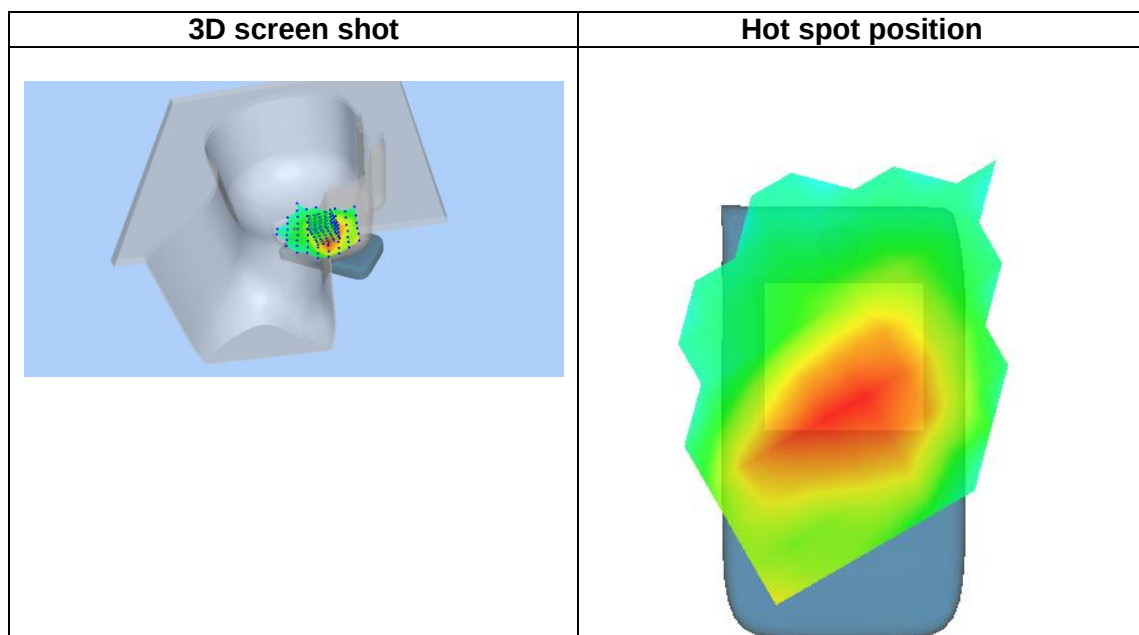
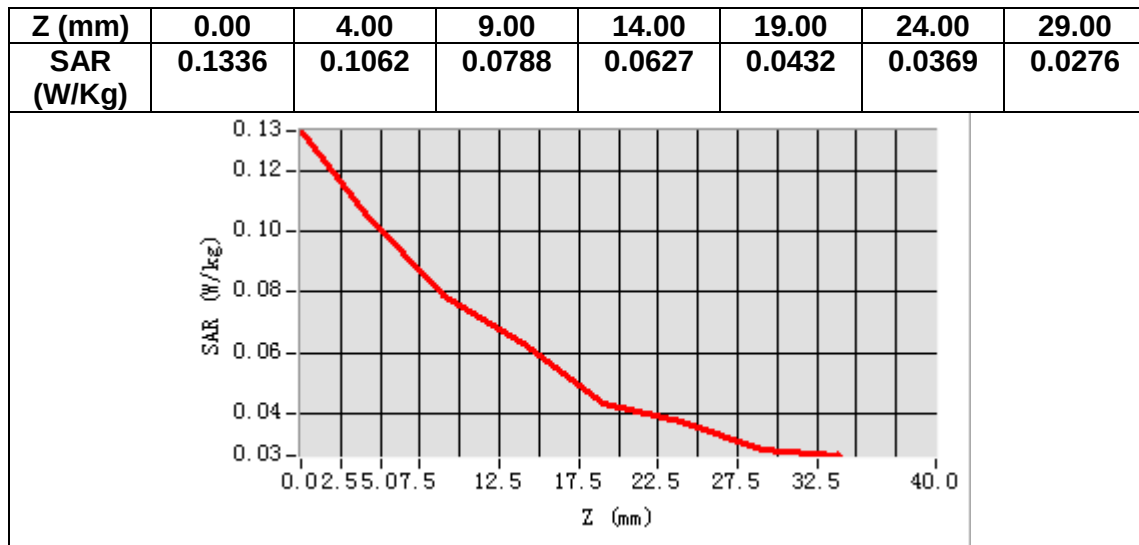
Frequency (MHz)	1732.500000
Relative permittivity (real part)	39.826481
Relative permittivity (imaginary part)	13.890596
Conductivity (S/m)	1.336970
Variation (%)	1.350000



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

SAR Peak: 0.13 W/kg

SAR 10g (W/Kg)	0.072883
SAR 1g (W/Kg)	0.101744



MEASUREMENT 24

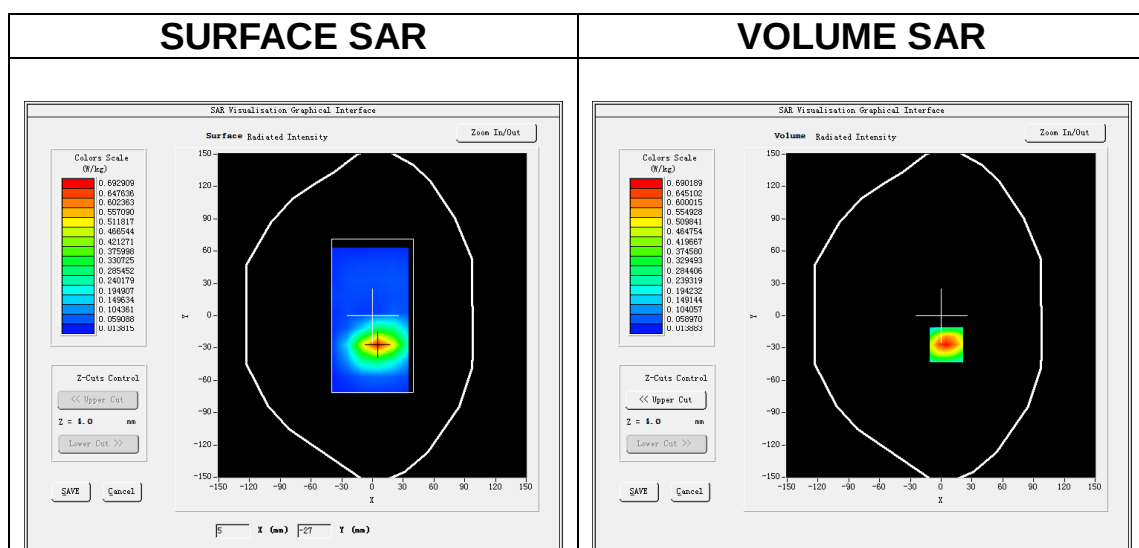
Date of measurement: 30/7/2021

A. Experimental conditions.

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

B. SAR Measurement Results

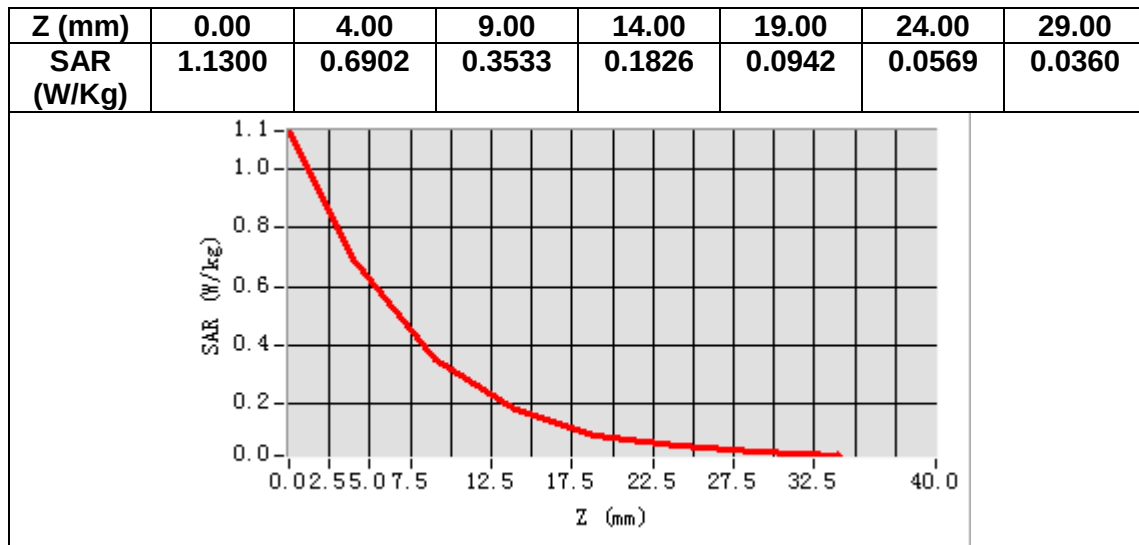
Frequency (MHz)	1732.500000
Relative permittivity (real part)	39.826481
Relative permittivity (imaginary part)	13.890596
Conductivity (S/m)	1.336970
Variation (%)	3.600000



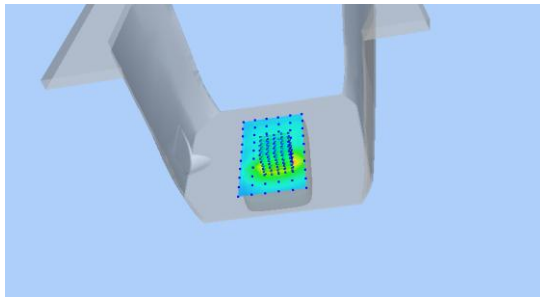
Maximum location: X=5.00, Y=-27.00

SAR Peak: 1.15 W/kg

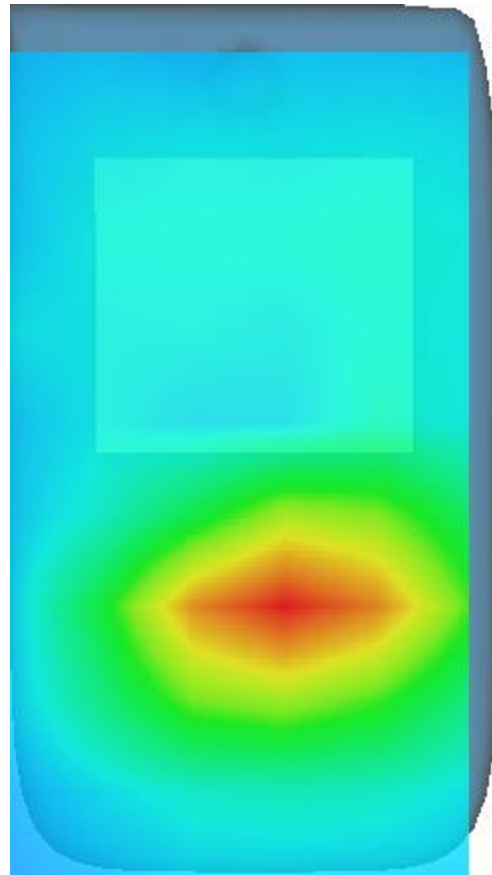
SAR 10g (W/Kg)	0.324059
SAR 1g (W/Kg)	0.635482



3D screen shot



Hot spot position



MEASUREMENT 25

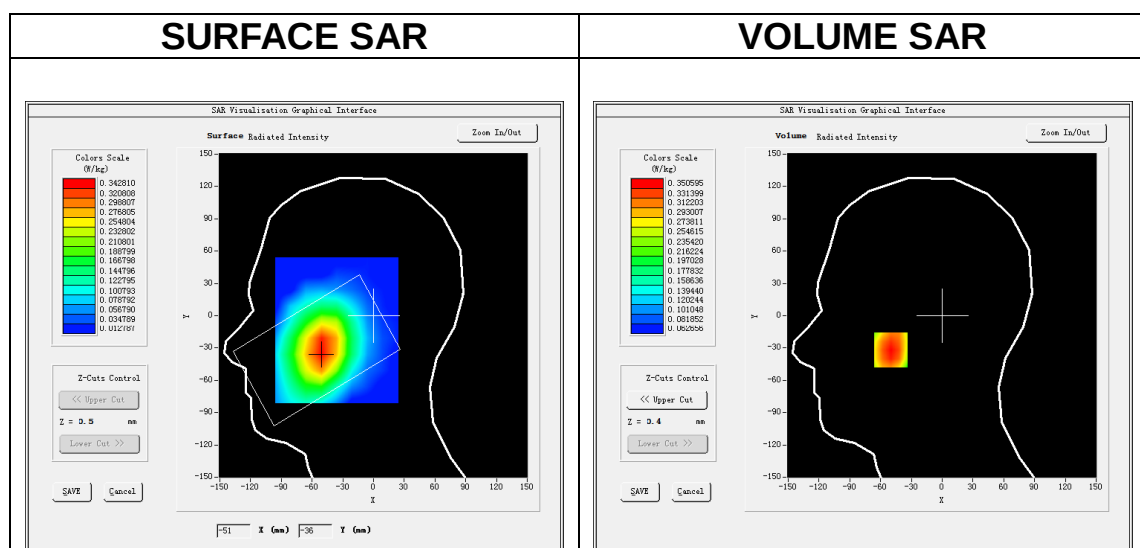
Date of measurement: 2/8/2021

A. Experimental conditions.

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

B. SAR Measurement Results

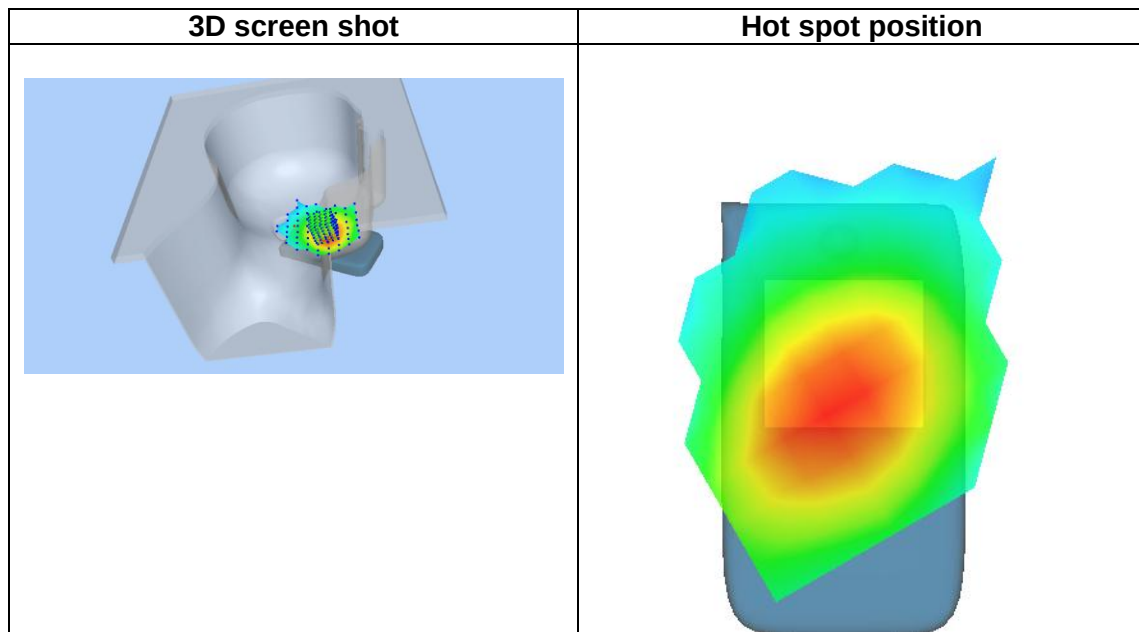
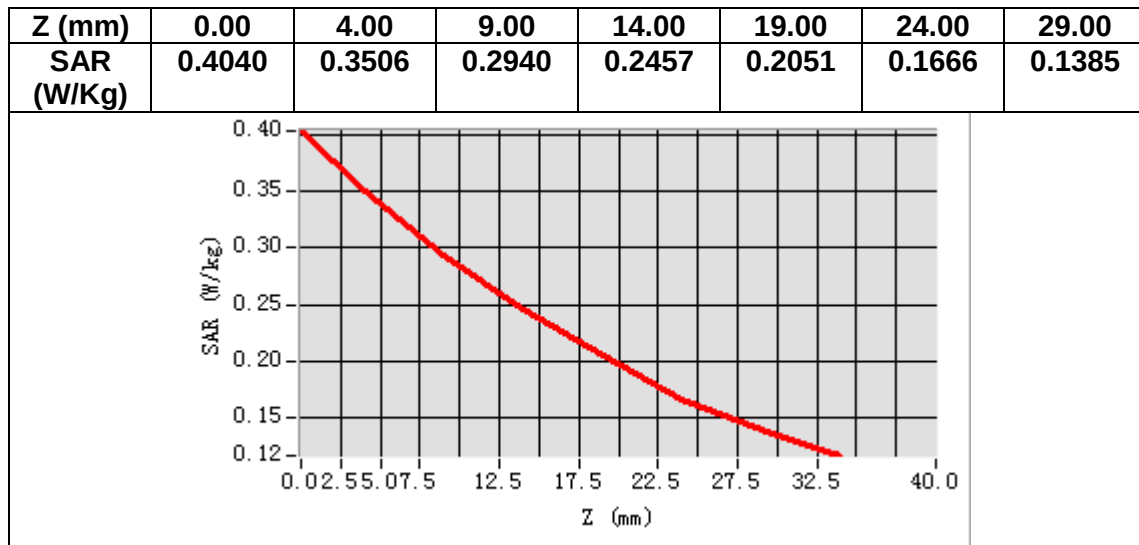
Frequency (MHz)	836.500000
Relative permittivity (real part)	42.596016
Relative permittivity (imaginary part)	19.742624
Conductivity (S/m)	0.917484
Variation (%)	0.490000



Maximum location: X=-50.00, Y=-32.00

SAR Peak: 0.41 W/kg

SAR 10g (W/Kg)	0.267781
SAR 1g (W/Kg)	0.343623



MEASUREMENT 26

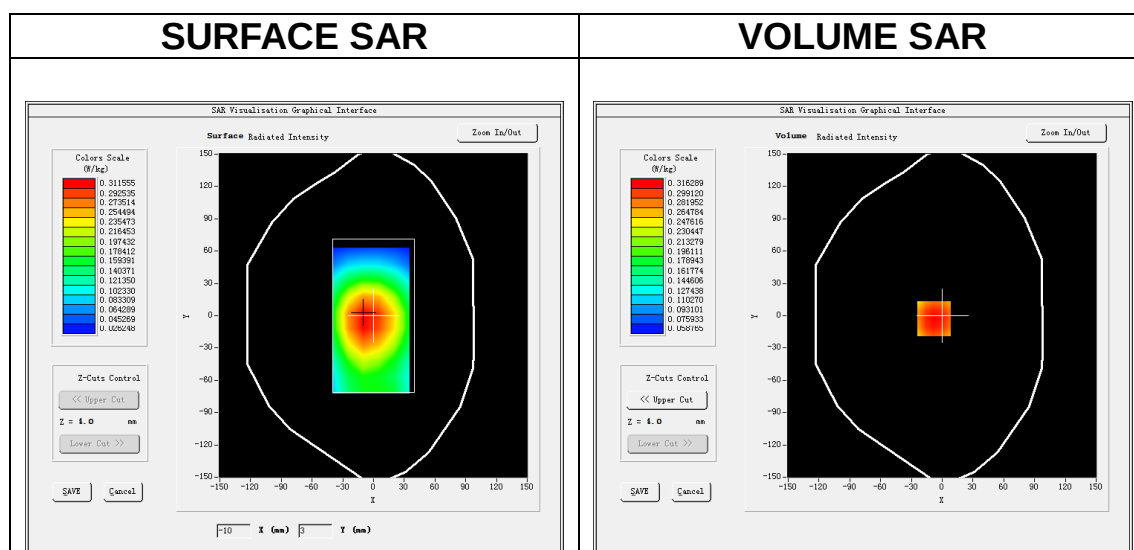
Date of measurement: 2/8/2021

A. Experimental conditions.

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

B. SAR Measurement Results

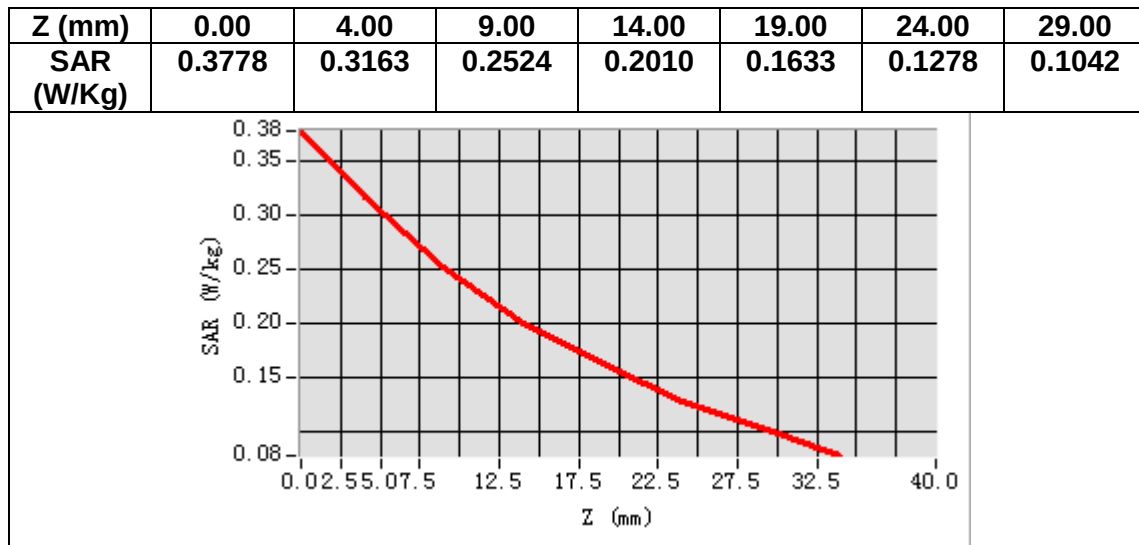
Frequency (MHz)	836.500000
Relative permittivity (real part)	42.596016
Relative permittivity (imaginary part)	19.742624
Conductivity (S/m)	0.917484
Variation (%)	-0.360000



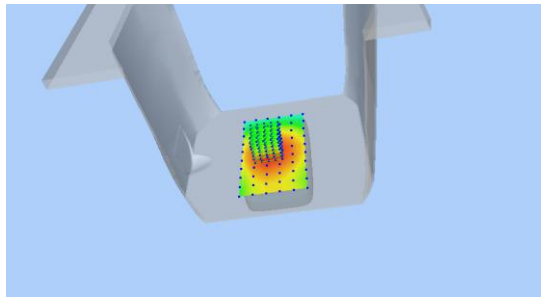
Maximum location: X=-8.00, Y=-3.00

SAR Peak: 0.38 W/kg

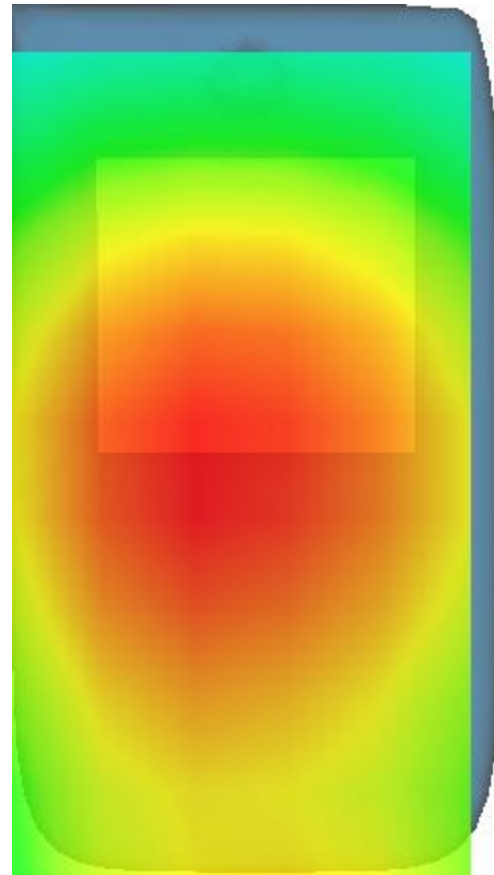
SAR 10g (W/Kg)	0.238196
SAR 1g (W/Kg)	0.309258



3D screen shot



Hot spot position



MEASUREMENT 27

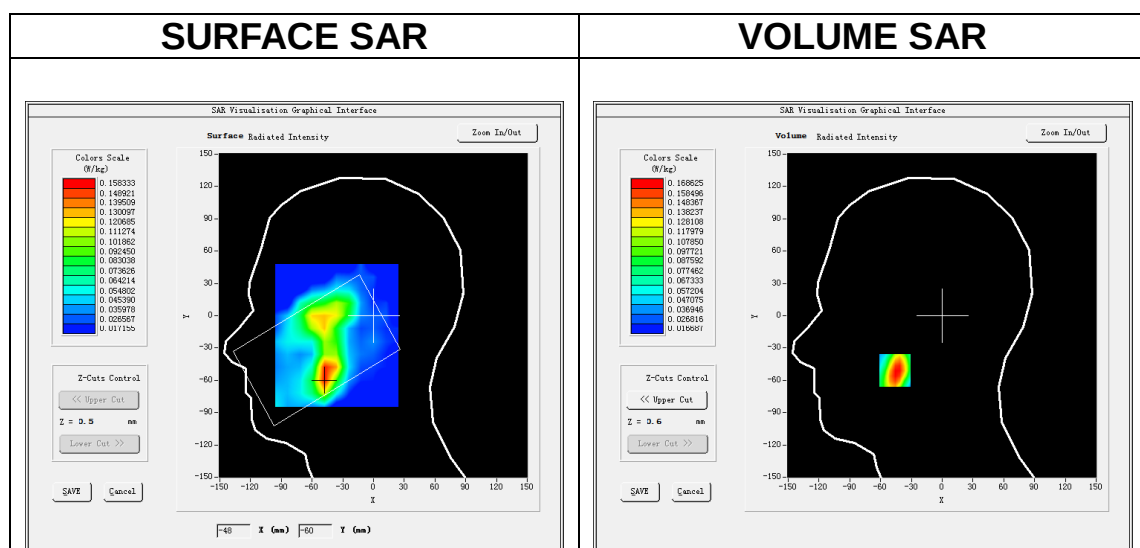
Date of measurement: 6/8/2021

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=12mm dy=12mm, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>7x7x7,dx=5mm dy=5mm dz=5mm</u>
<u>Phantom</u>	<u>Left head</u>
<u>Device Position</u>	<u>Cheek</u>
<u>Band</u>	<u>LTE band 7</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>

B. SAR Measurement Results

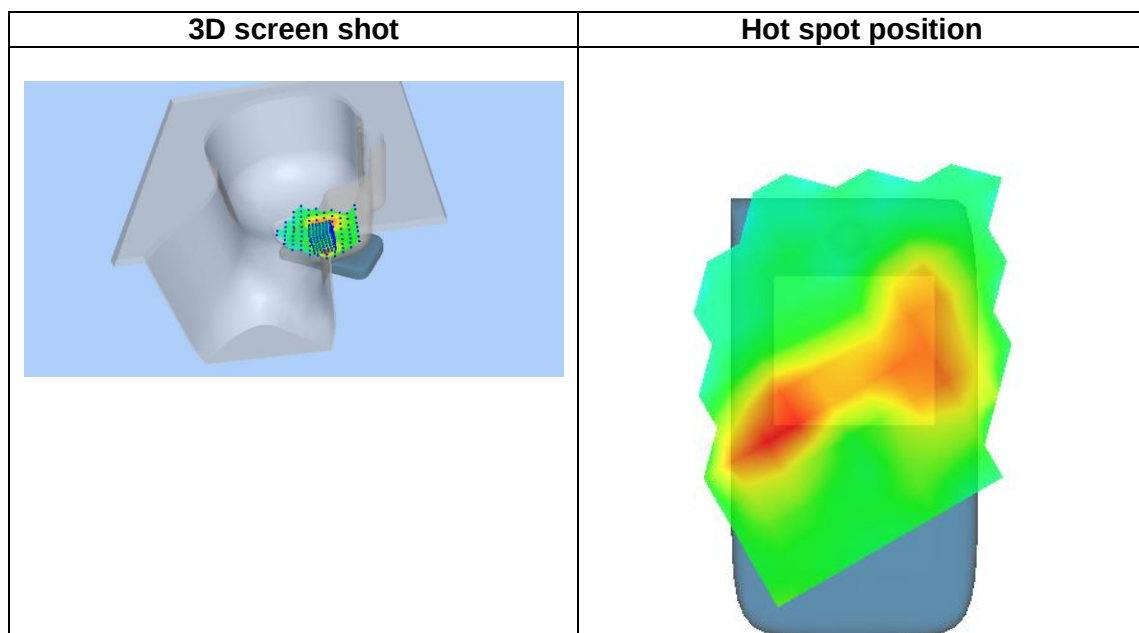
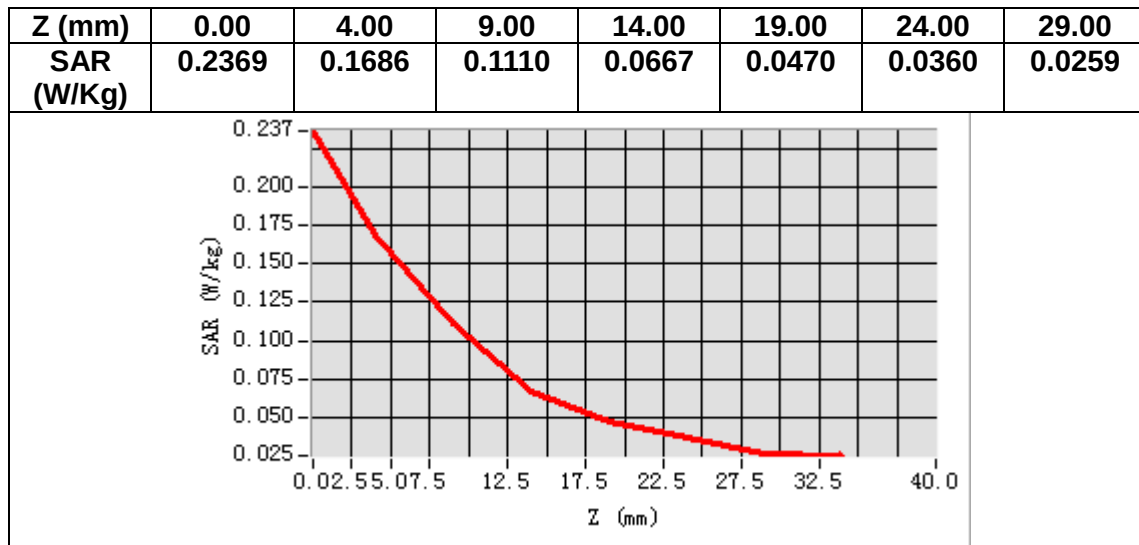
Frequency (MHz)	2535.000000
Relative permittivity (real part)	40.199814
Relative permittivity (imaginary part)	13.783051
Conductivity (S/m)	1.941113
Variation (%)	-3.110000



Maximum location: X=-46.00, Y=-51.00

SAR Peak: 0.25 W/kg

SAR 10g (W/Kg)	0.090795
SAR 1g (W/Kg)	0.160392



MEASUREMENT 28

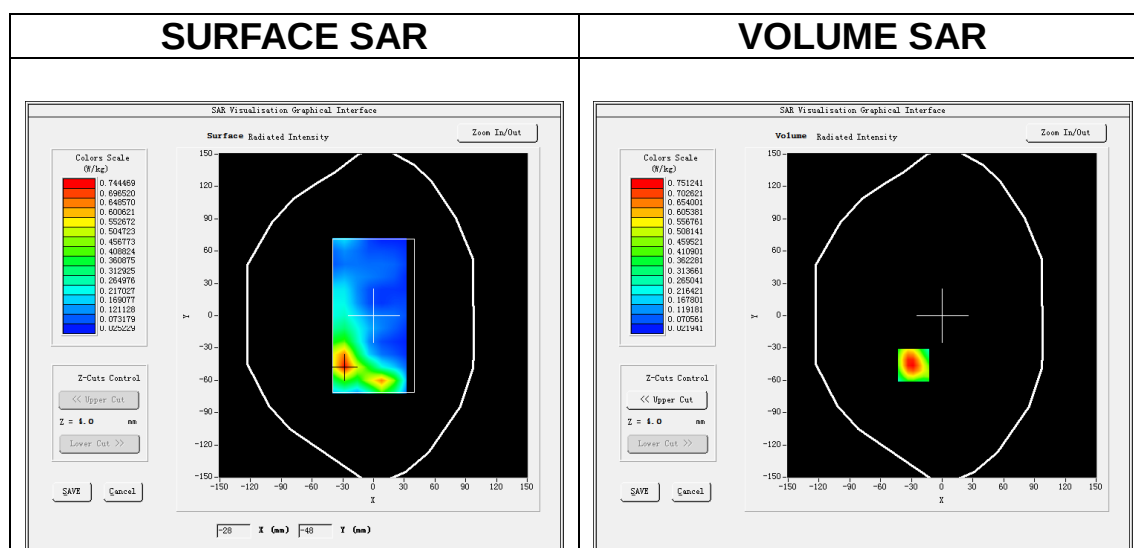
Date of measurement: 6/8/2021

A. Experimental conditions.

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

B. SAR Measurement Results

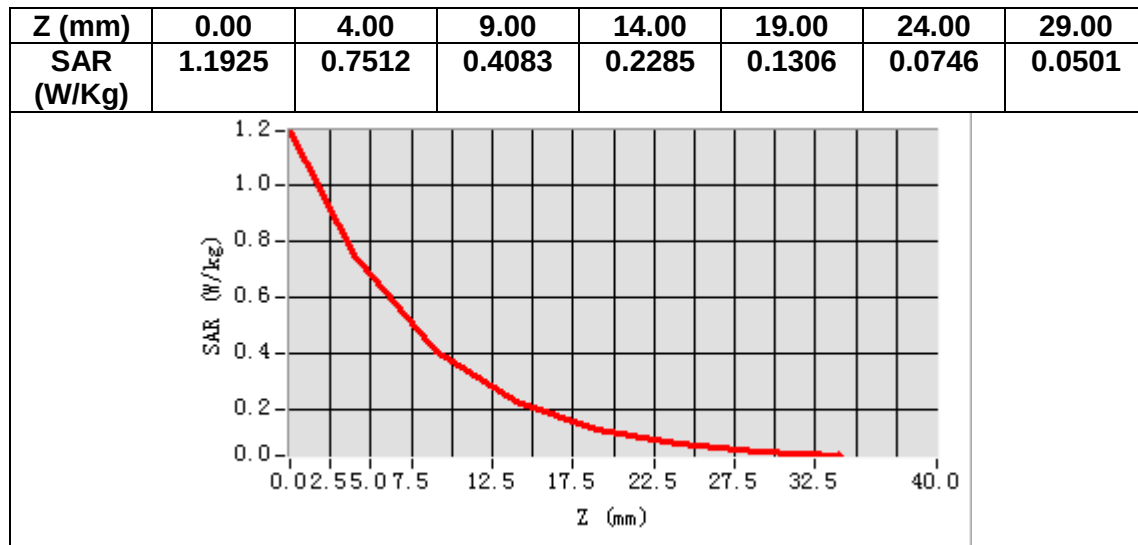
Frequency (MHz)	2535.000000
Relative permittivity (real part)	40.199814
Relative permittivity (imaginary part)	13.783051
Conductivity (S/m)	1.941113
Variation (%)	-1.750000



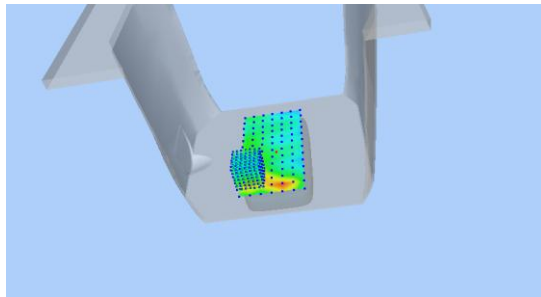
Maximum location: X=-28.00, Y=-46.00

SAR Peak: 1.19 W/kg

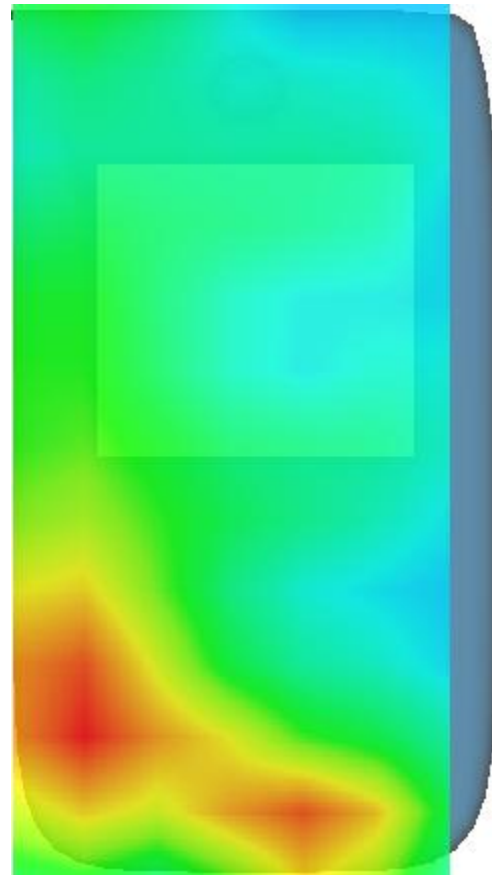
SAR 10g (W/Kg)	0.375415
SAR 1g (W/Kg)	0.664065



3D screen shot



Hot spot position



MEASUREMENT 29

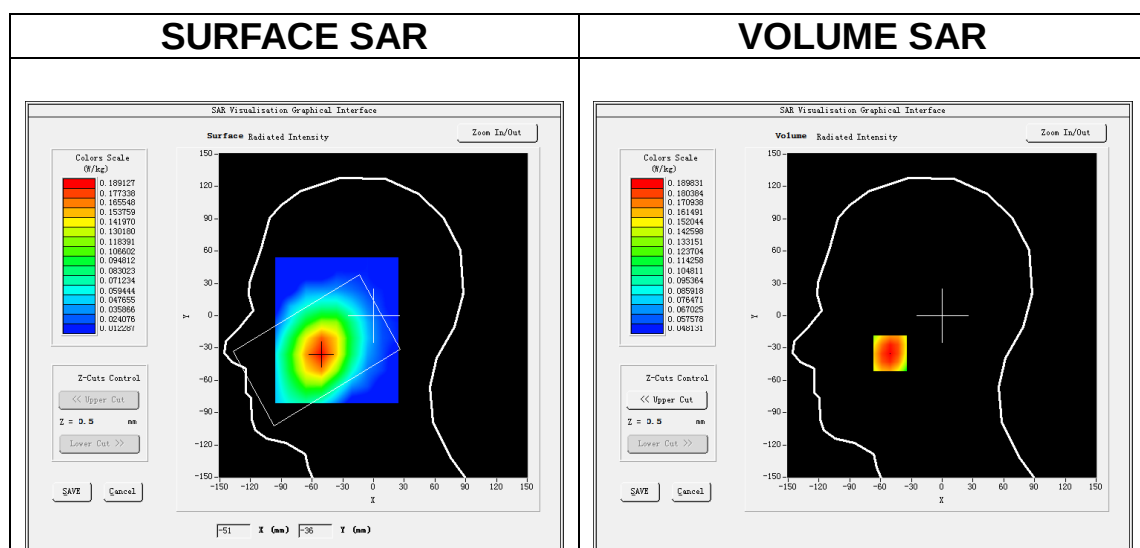
Date of measurement: 9/8/2021

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm dz=5mm</u>
<u>Phantom</u>	<u>Left head</u>
<u>Device Position</u>	<u>Cheek</u>
<u>Band</u>	<u>LTE band 12</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>

B. SAR Measurement Results

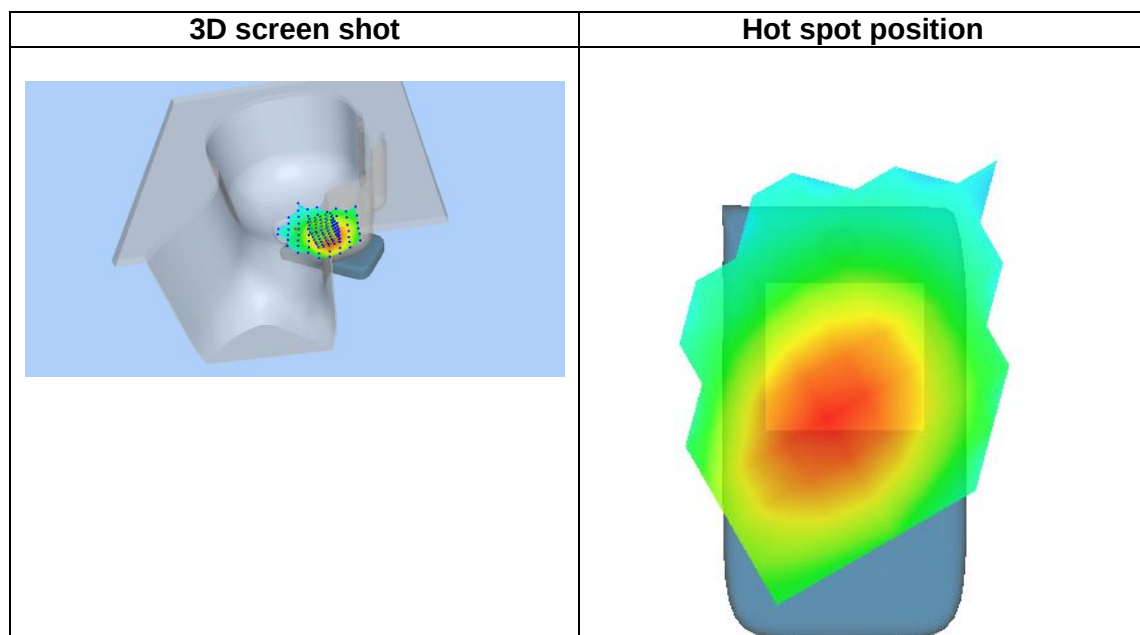
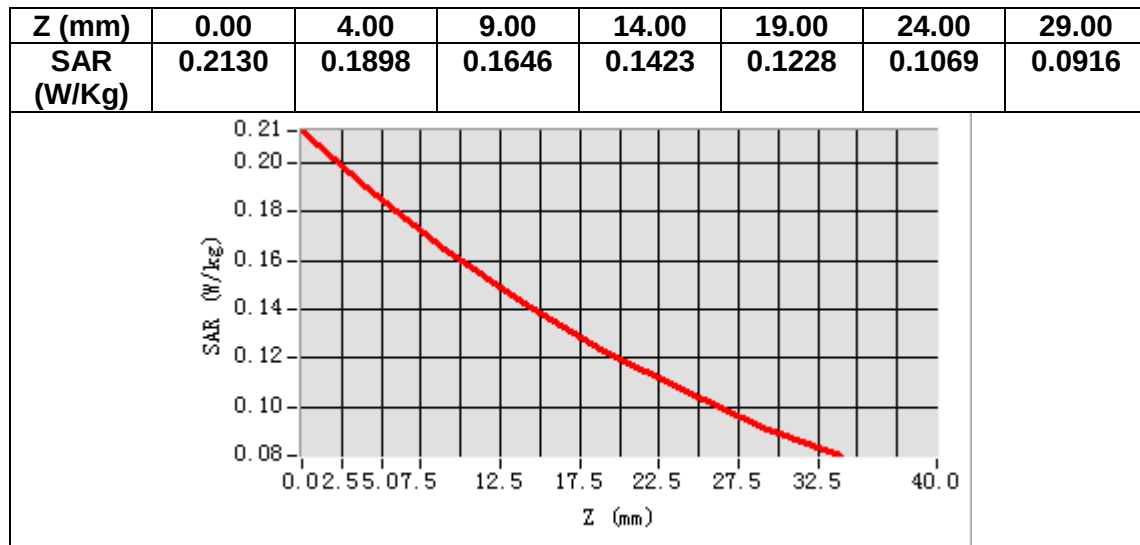
Frequency (MHz)	707.500000
Relative permittivity (real part)	42.013905
Relative permittivity (imaginary part)	21.671585
Conductivity (S/m)	0.851814
Variation (%)	-0.100000



Maximum location: X=-51.00, Y=-35.00

SAR Peak: 0.22 W/kg

SAR 10g (W/Kg)	0.151610
SAR 1g (W/Kg)	0.185544



MEASUREMENT 30

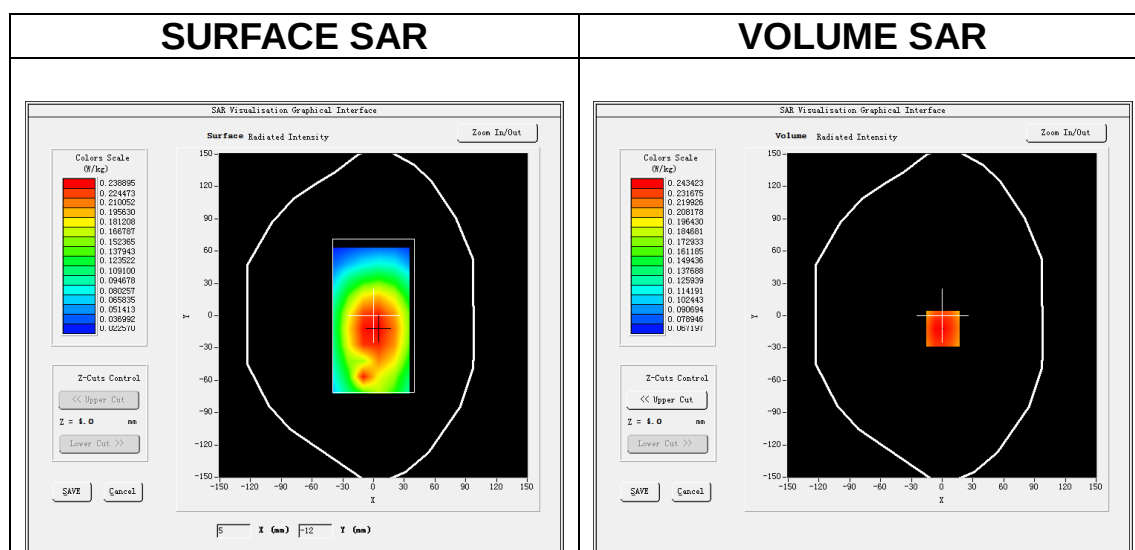
Date of measurement: 9/8/2021

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm dz=5mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>LTE band 12</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>

B. SAR Measurement Results

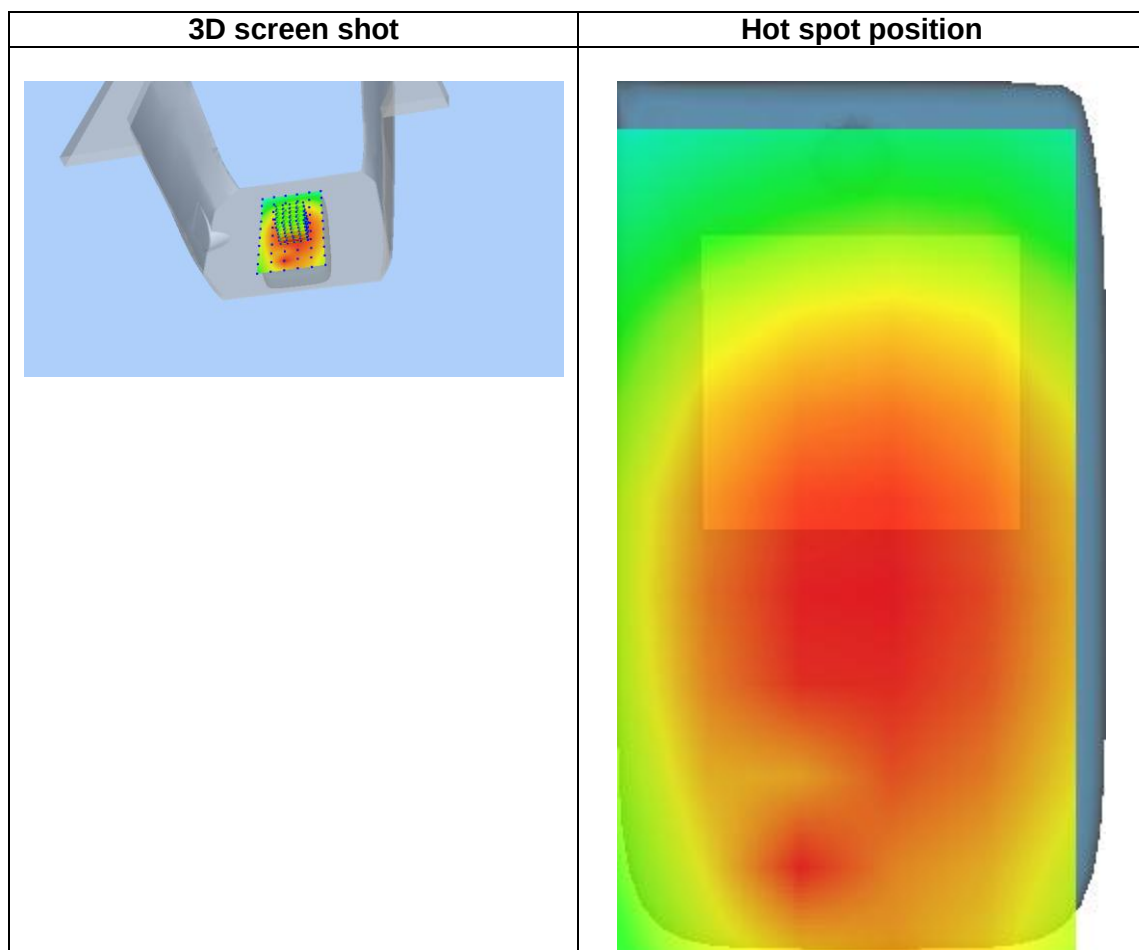
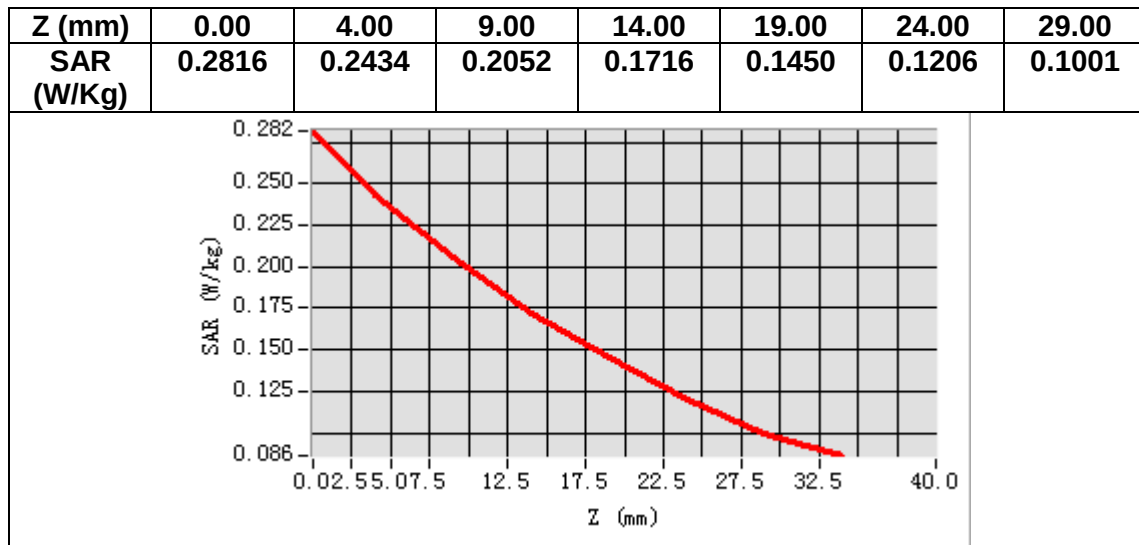
Frequency (MHz)	707.500000
Relative permittivity (real part)	42.013905
Relative permittivity (imaginary part)	21.671585
Conductivity (S/m)	0.851814
Variation (%)	-0.300000



Maximum location: X=1.00, Y=-12.00

SAR Peak: 0.29 W/kg

SAR 10g (W/Kg)	0.192350
SAR 1g (W/Kg)	0.239853



MEASUREMENT 31

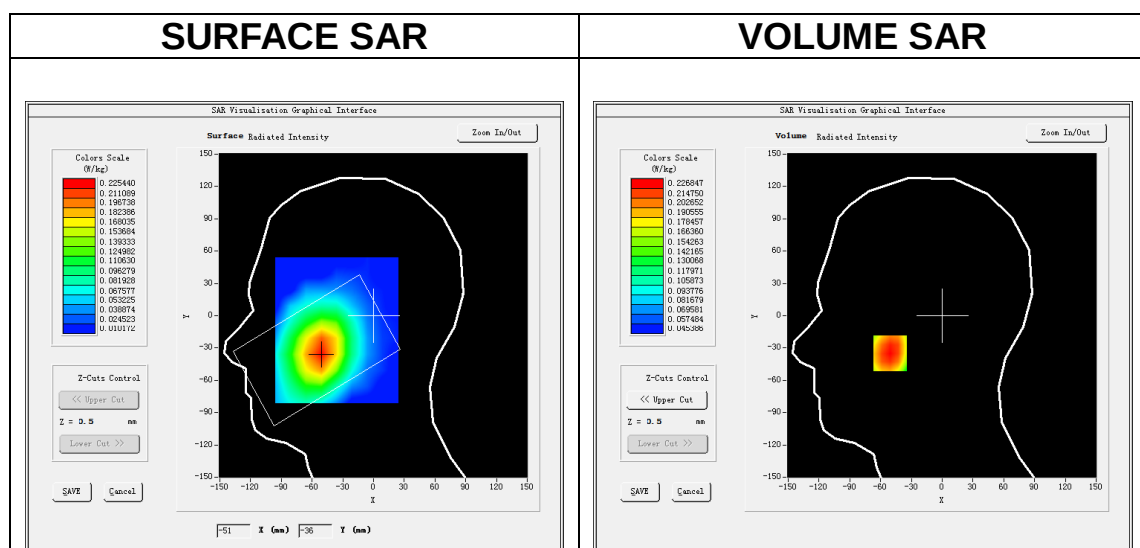
Date of measurement: 9/8/2021

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm dz=5mm</u>
<u>Phantom</u>	<u>Left head</u>
<u>Device Position</u>	<u>Cheek</u>
<u>Band</u>	<u>LTE band 13</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>

B. SAR Measurement Results

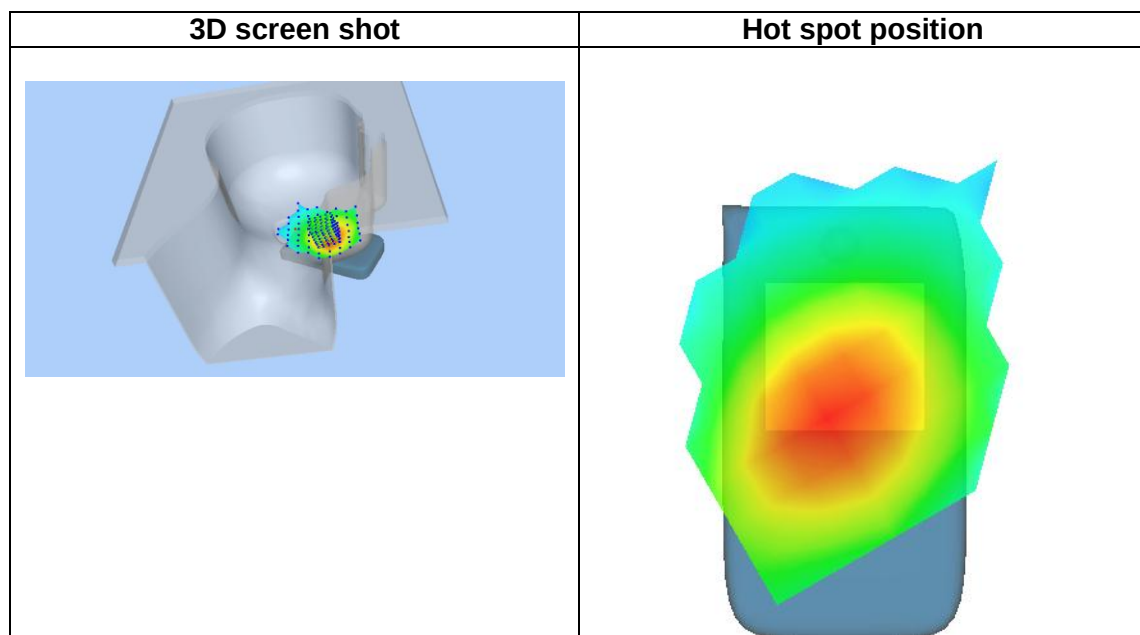
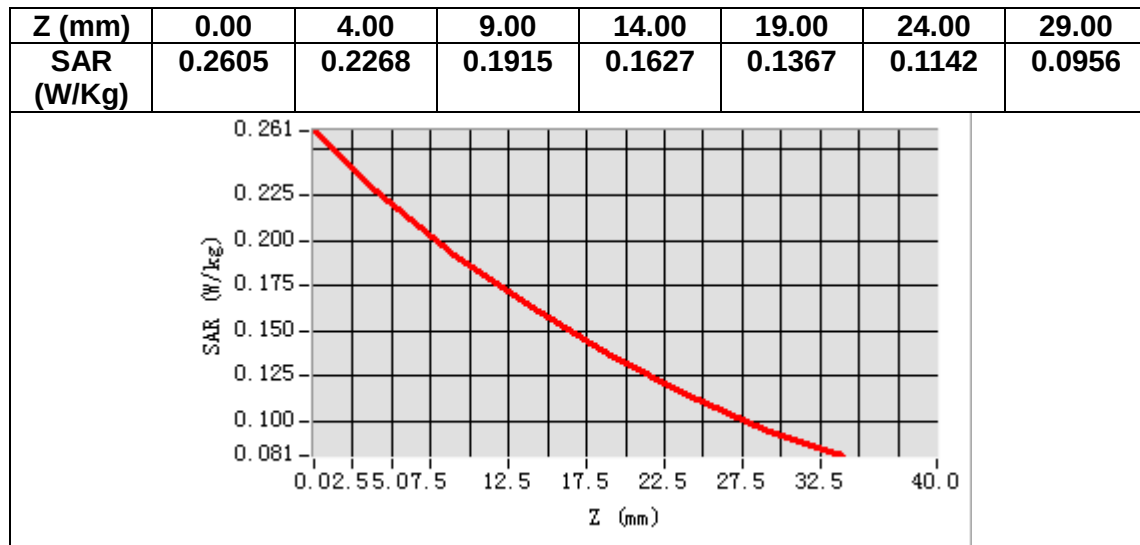
Frequency (MHz)	782.000000
Relative permittivity (real part)	41.126256
Relative permittivity (imaginary part)	20.929136
Conductivity (S/m)	0.909255
Variation (%)	1.490000



Maximum location: X=-51.00, Y=-35.00

SAR Peak: 0.27 W/kg

SAR 10g (W/Kg)	0.175505
SAR 1g (W/Kg)	0.221435



MEASUREMENT 32

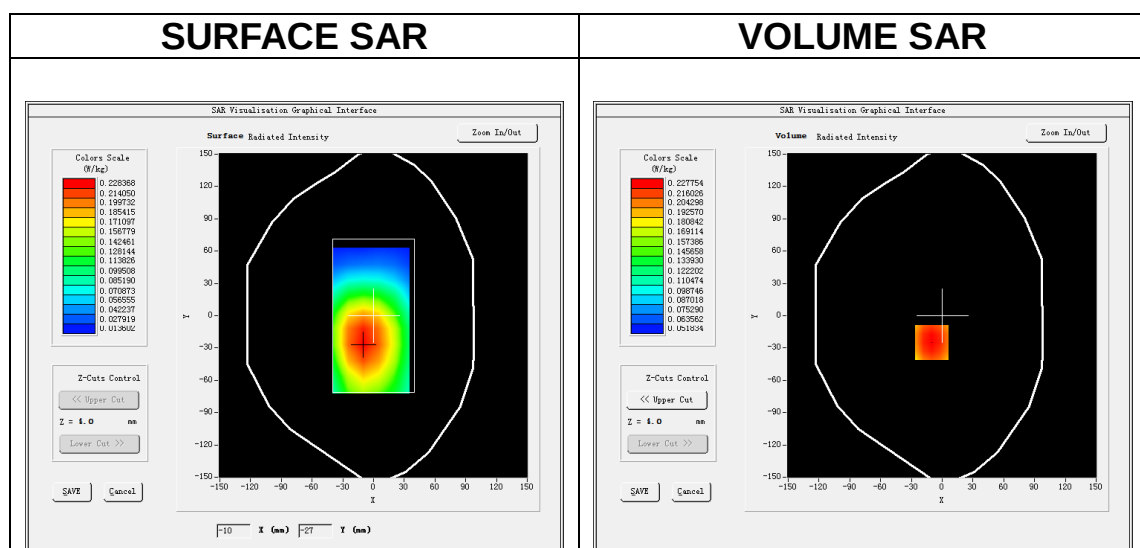
Date of measurement: 9/8/2021

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm dz=5mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>LTE band 13</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>

B. SAR Measurement Results

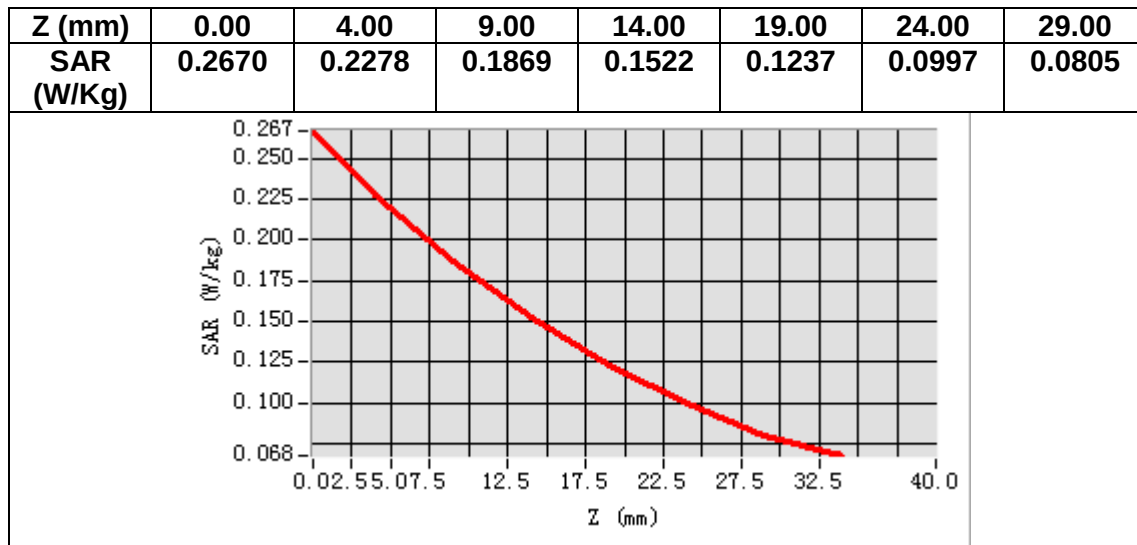
Frequency (MHz)	782.000000
Relative permittivity (real part)	41.126256
Relative permittivity (imaginary part)	20.929136
Conductivity (S/m)	0.909255
Variation (%)	-0.130000



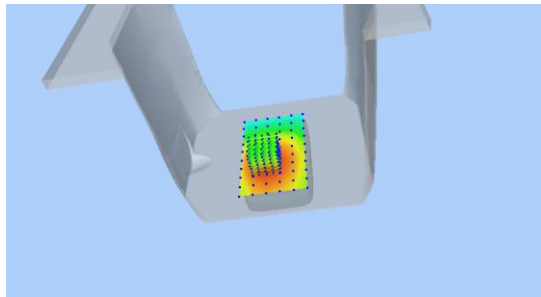
Maximum location: X=-10.00, Y=-25.00

SAR Peak: 0.41 W/kg

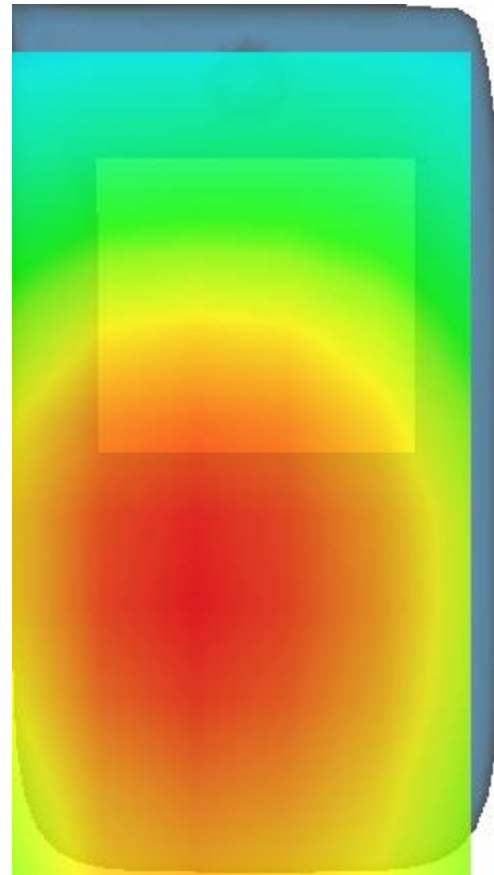
SAR 10g (W/Kg)	0.174386
SAR 1g (W/Kg)	0.231549



3D screen shot



Hot spot position



MEASUREMENT 33

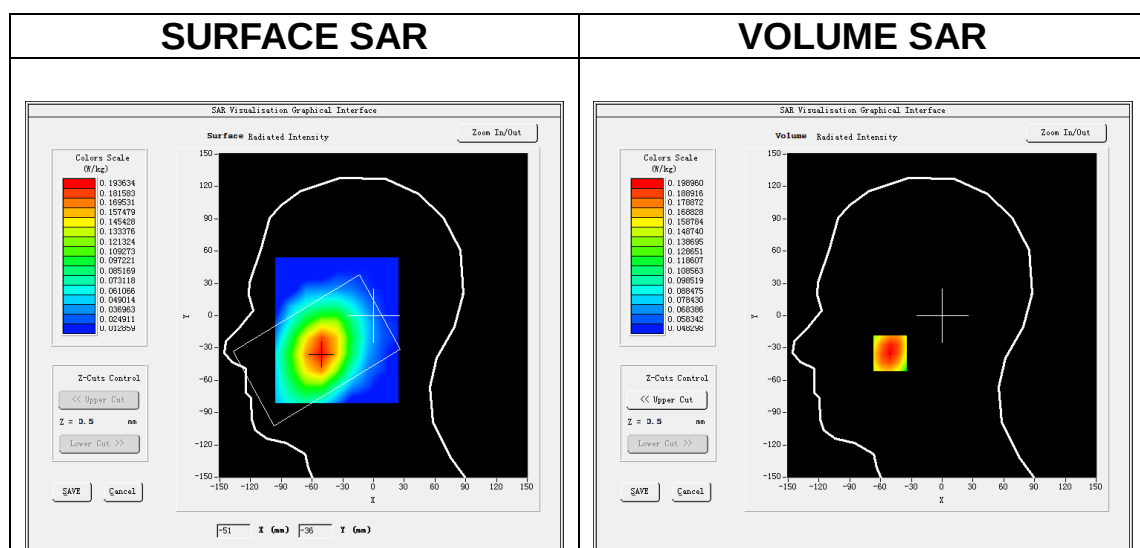
Date of measurement: 9/8/2021

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm dz=5mm</u>
<u>Phantom</u>	<u>Left head</u>
<u>Device Position</u>	<u>Cheek</u>
<u>Band</u>	<u>LTE band 17</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>

B. SAR Measurement Results

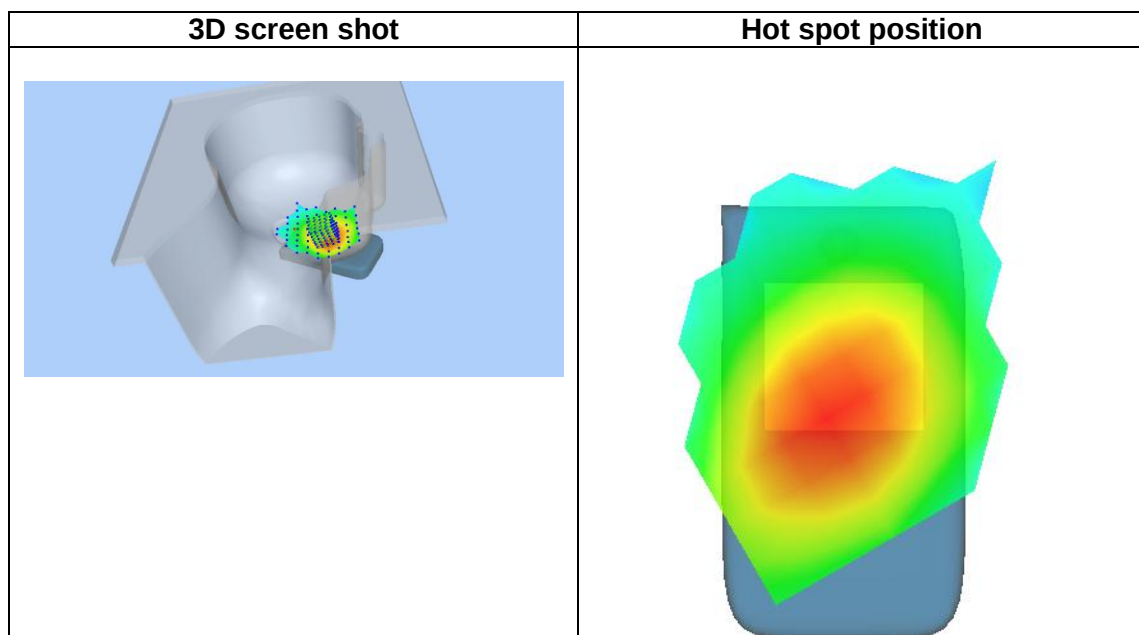
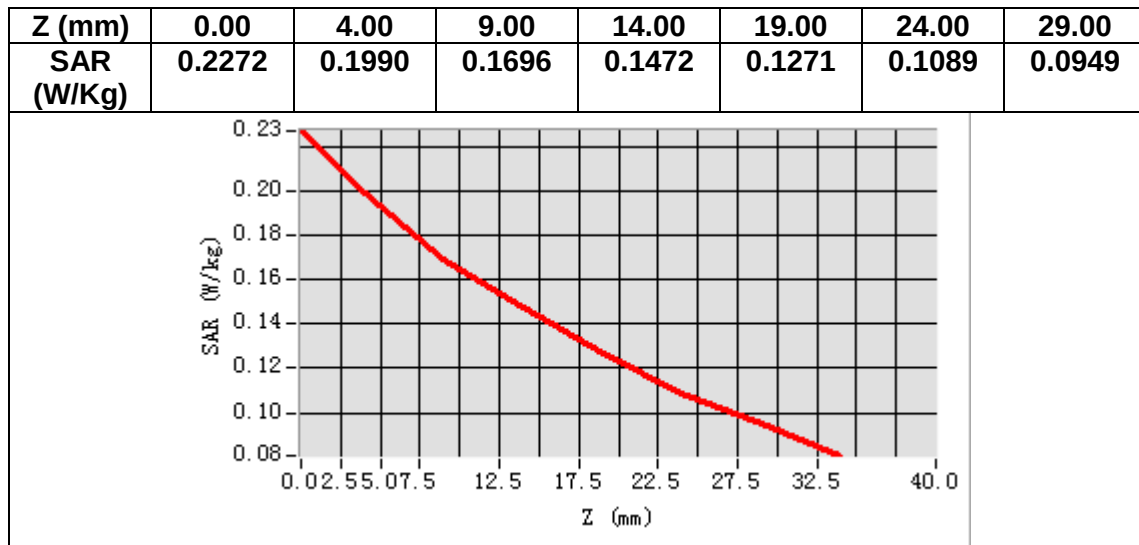
Frequency (MHz)	710.000000
Relative permittivity (real part)	41.998554
Relative permittivity (imaginary part)	21.612036
Conductivity (S/m)	0.852475
Variation (%)	1.560000



Maximum location: X=-51.00, Y=-35.00

SAR Peak: 0.23 W/kg

SAR 10g (W/Kg)	0.157178
SAR 1g (W/Kg)	0.194127



MEASUREMENT 34

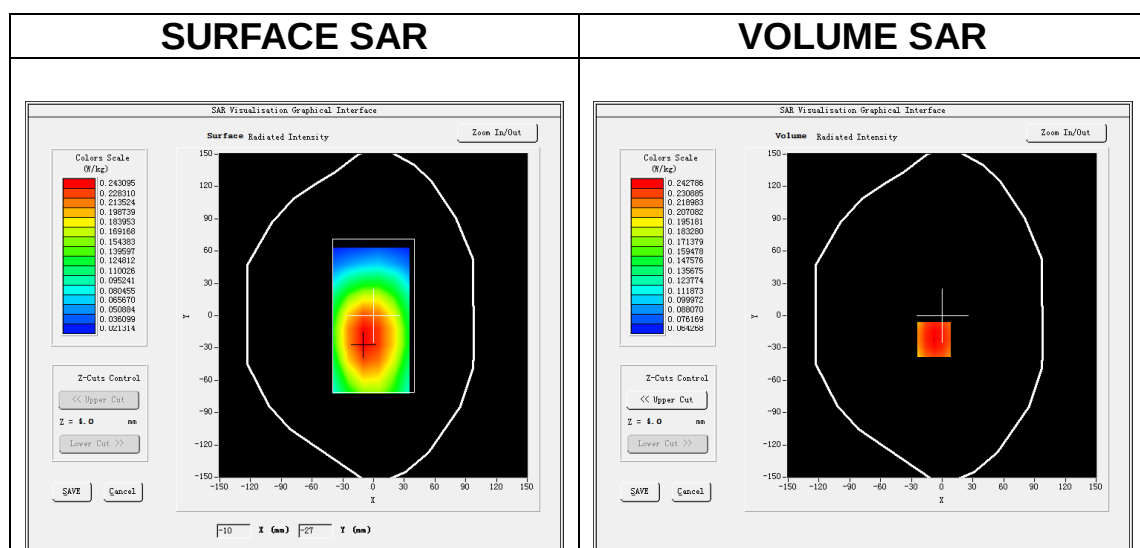
Date of measurement: 9/8/2021

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm dz=5mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>LTE band 17</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>

B. SAR Measurement Results

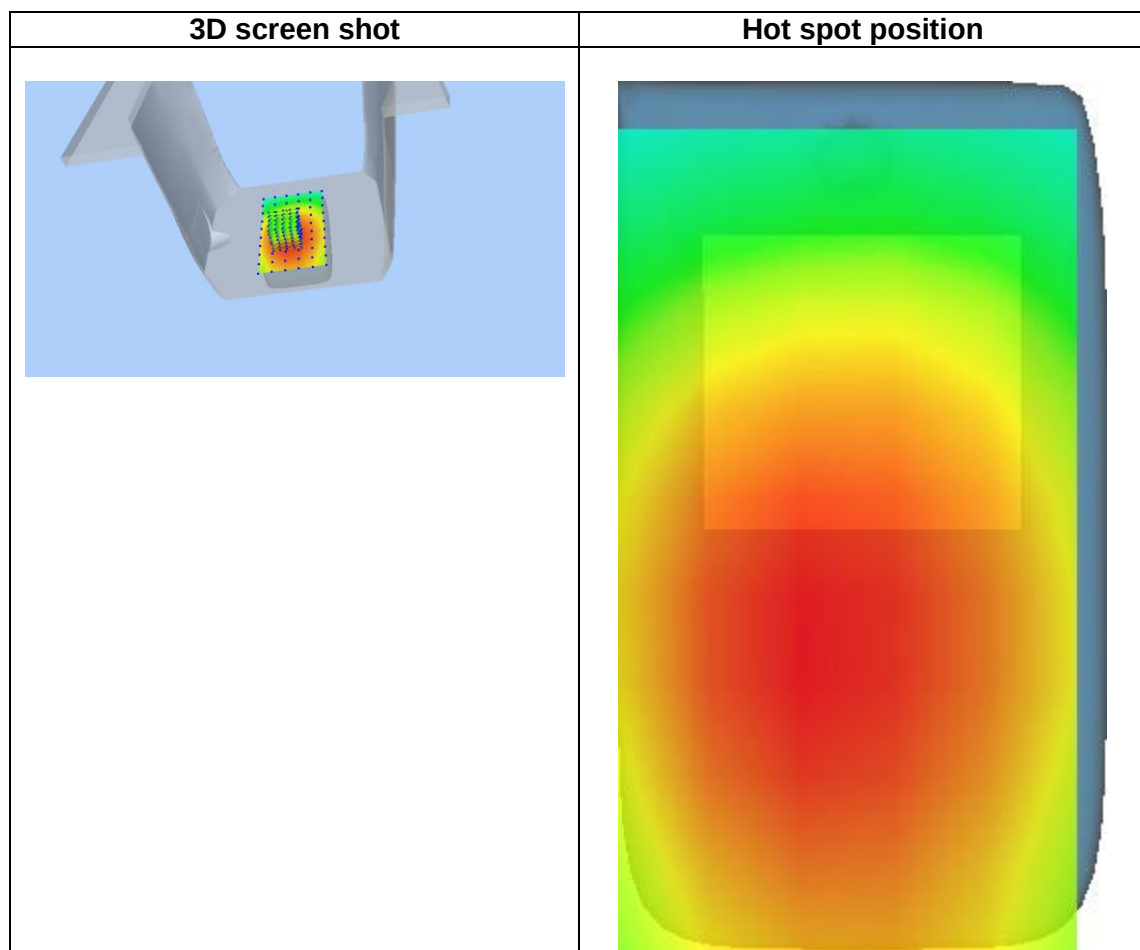
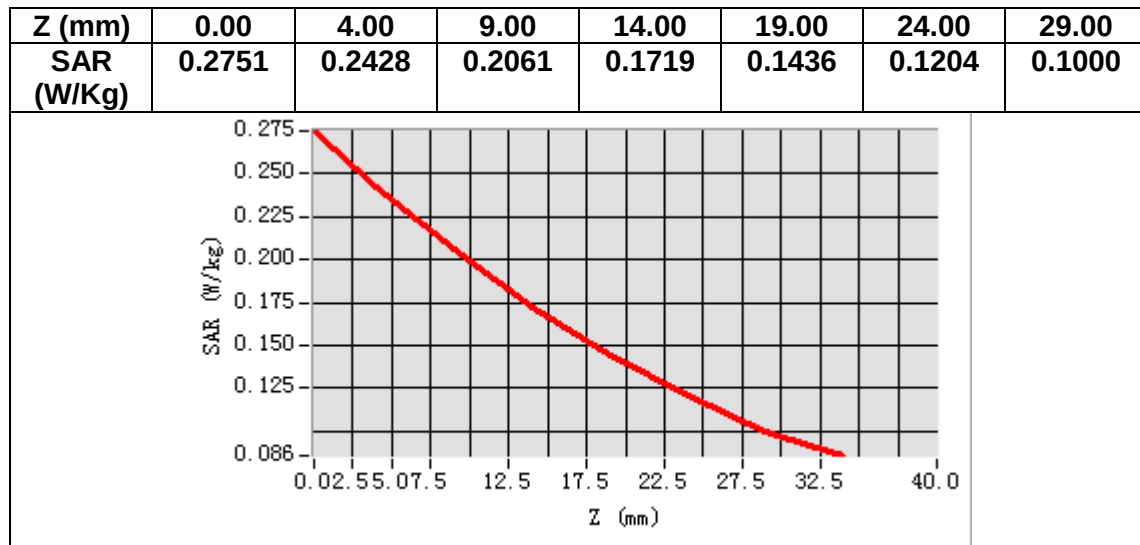
Frequency (MHz)	710.000000
Relative permittivity (real part)	41.998554
Relative permittivity (imaginary part)	21.612036
Conductivity (S/m)	0.852475
Variation (%)	-0.020000



Maximum location: X=-8.00, Y=-22.00

SAR Peak: 0.28 W/kg

SAR 10g (W/Kg)	0.192481
SAR 1g (W/Kg)	0.237123



MEASUREMENT 35

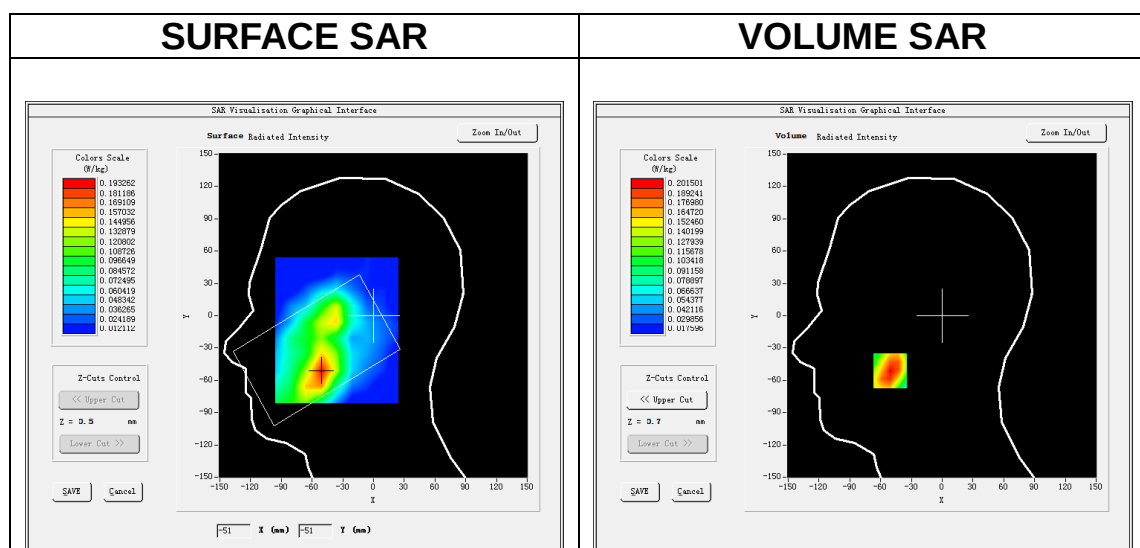
Date of measurement: 3/8/2021

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm dz=5mm</u>
<u>Phantom</u>	<u>Left head</u>
<u>Device Position</u>	<u>Cheek</u>
<u>Band</u>	<u>LTE band 25</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>

B. SAR Measurement Results

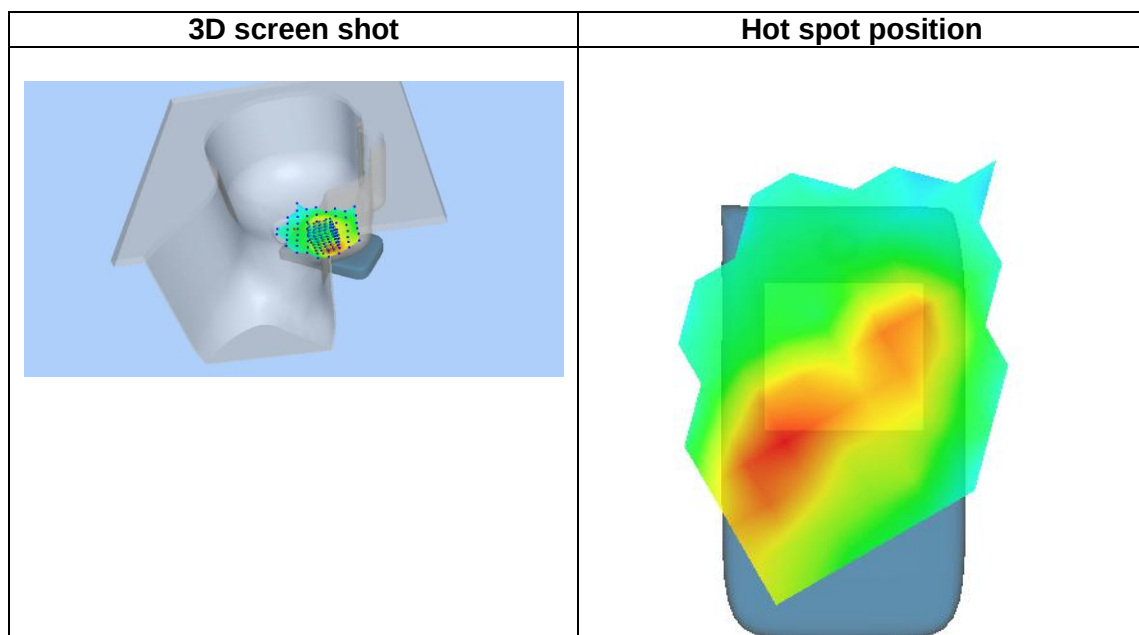
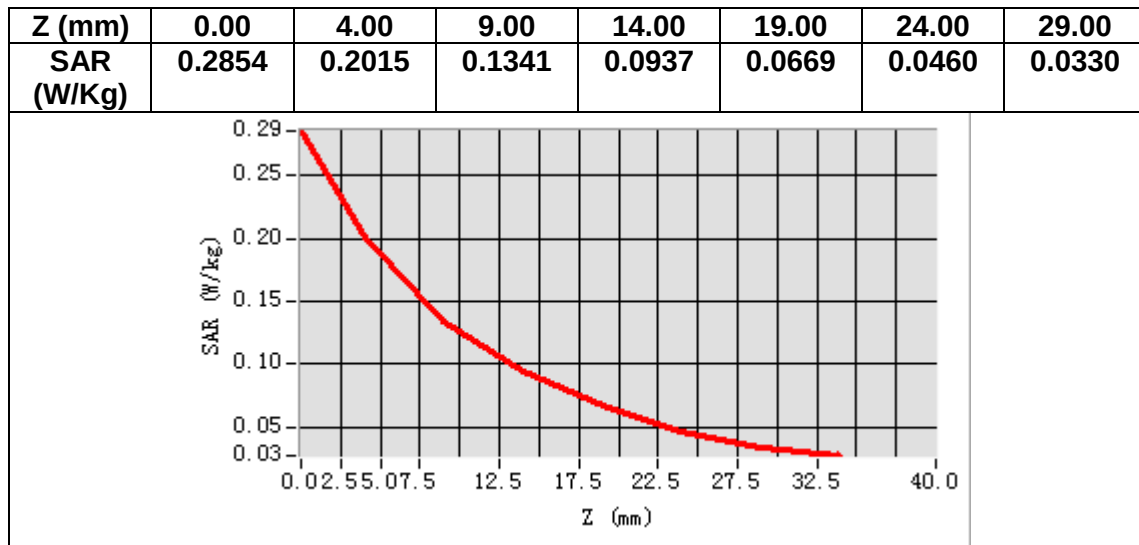
Frequency (MHz)	1882.500000
Relative permittivity (real part)	38.167641
Relative permittivity (imaginary part)	13.653032
Conductivity (S/m)	1.427500
Variation (%)	-2.340000



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

SAR Peak: 0.29 W/kg

SAR 10g (W/Kg)	0.123821
SAR 1g (W/Kg)	0.199533



MEASUREMENT 36

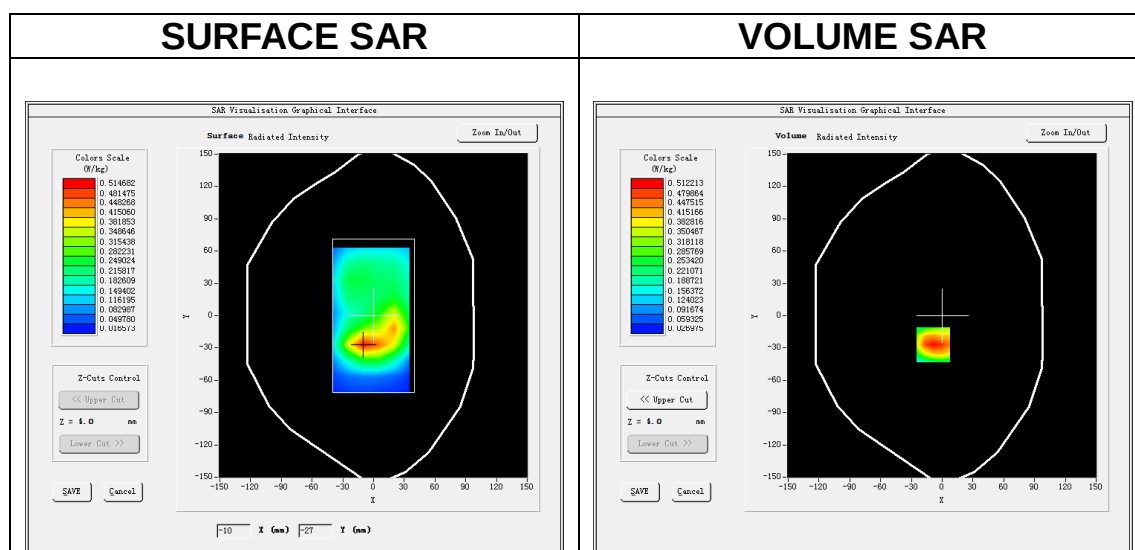
Date of measurement: 3/8/2021

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm dz=5mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>LTE band 25</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>

B. SAR Measurement Results

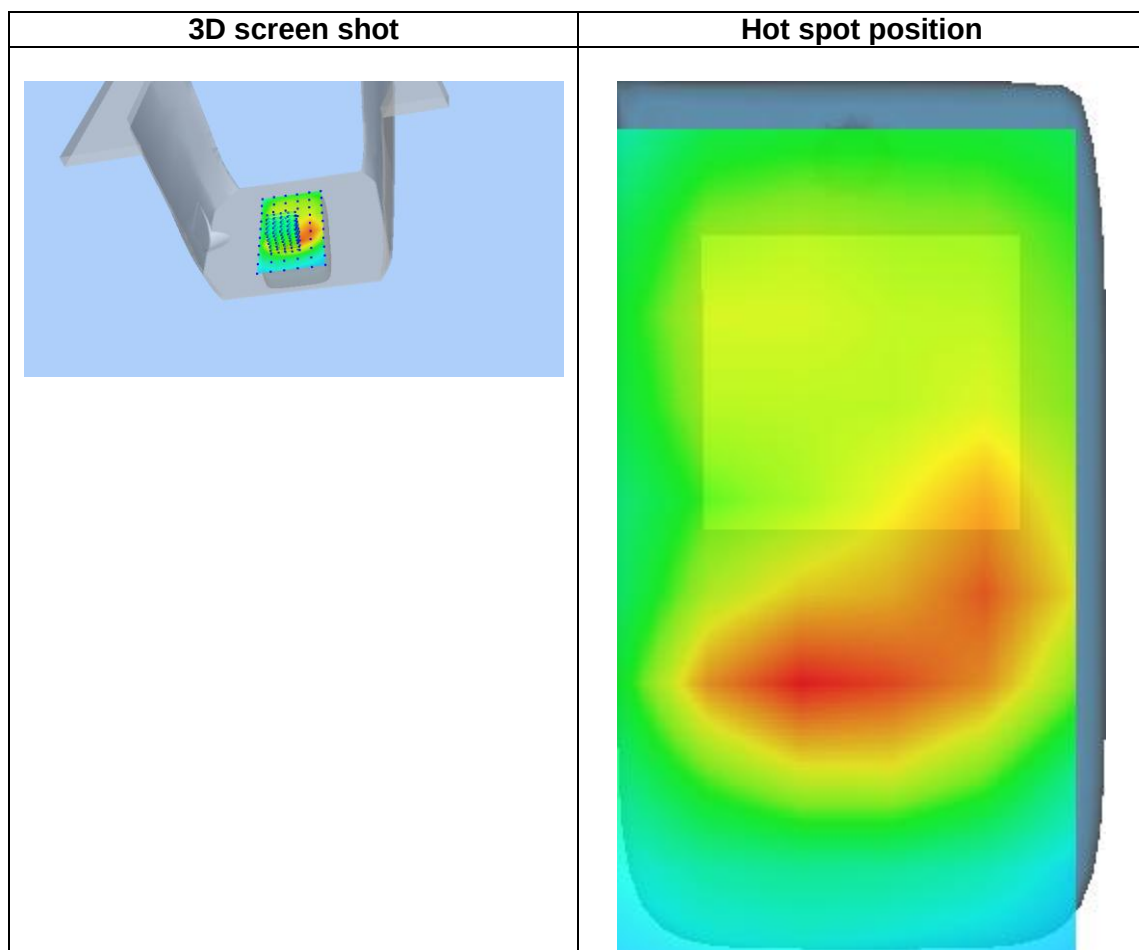
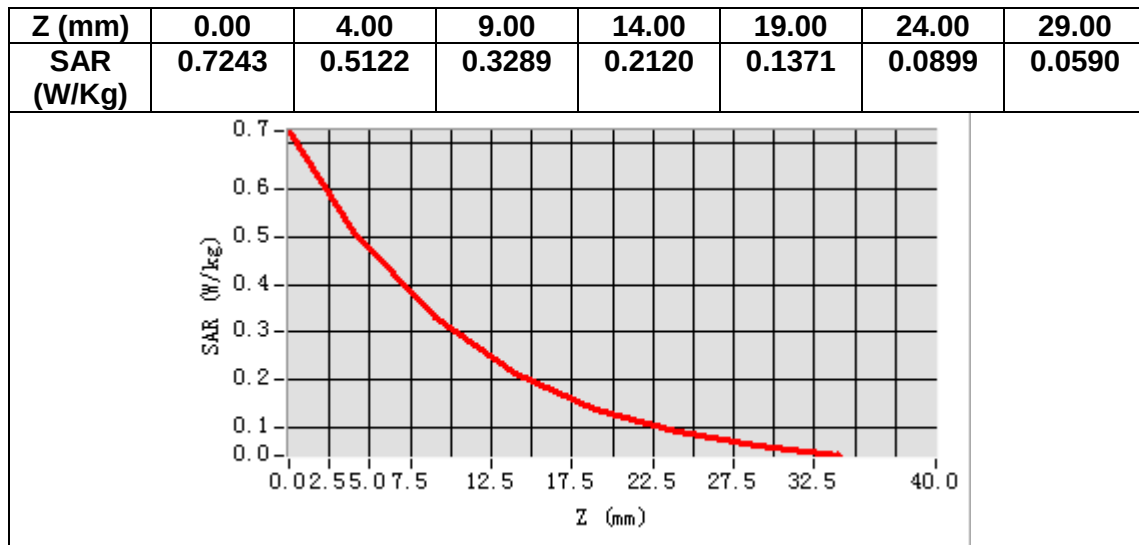
Frequency (MHz)	1882.500000
Relative permittivity (real part)	38.167641
Relative permittivity (imaginary part)	13.653032
Conductivity (S/m)	1.427500
Variation (%)	-1.510000



Maximum location: X=-9.00, Y=-27.00

SAR Peak: 0.73 W/kg

SAR 10g (W/Kg)	0.289404
SAR 1g (W/Kg)	0.494508



MEASUREMENT 37

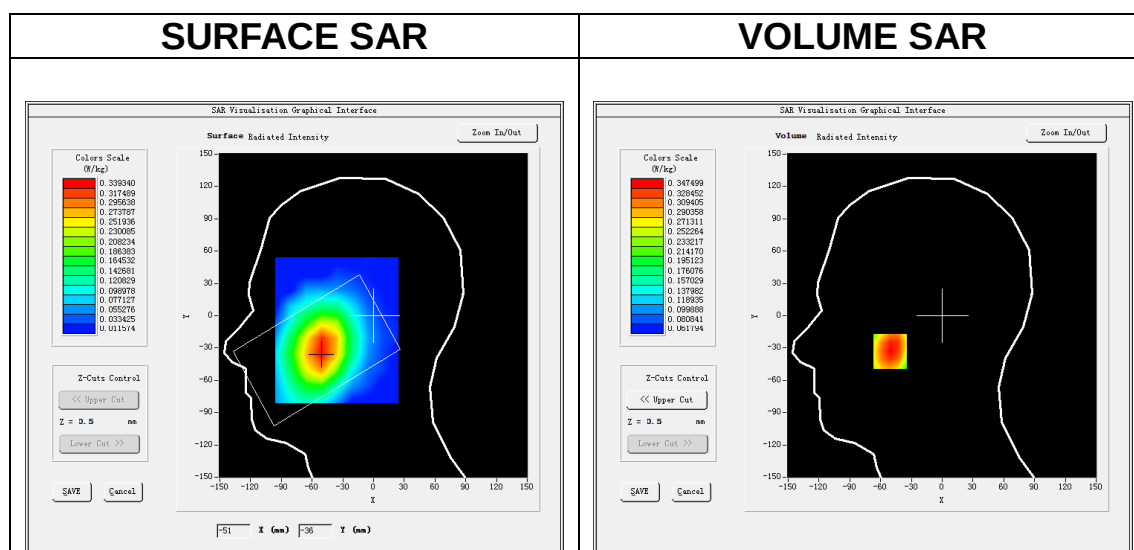
Date of measurement: 2/8/2021

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm dz=5mm</u>
<u>Phantom</u>	<u>Left head</u>
<u>Device Position</u>	<u>Cheek</u>
<u>Band</u>	<u>LTE band 26A</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>

B. SAR Measurement Results

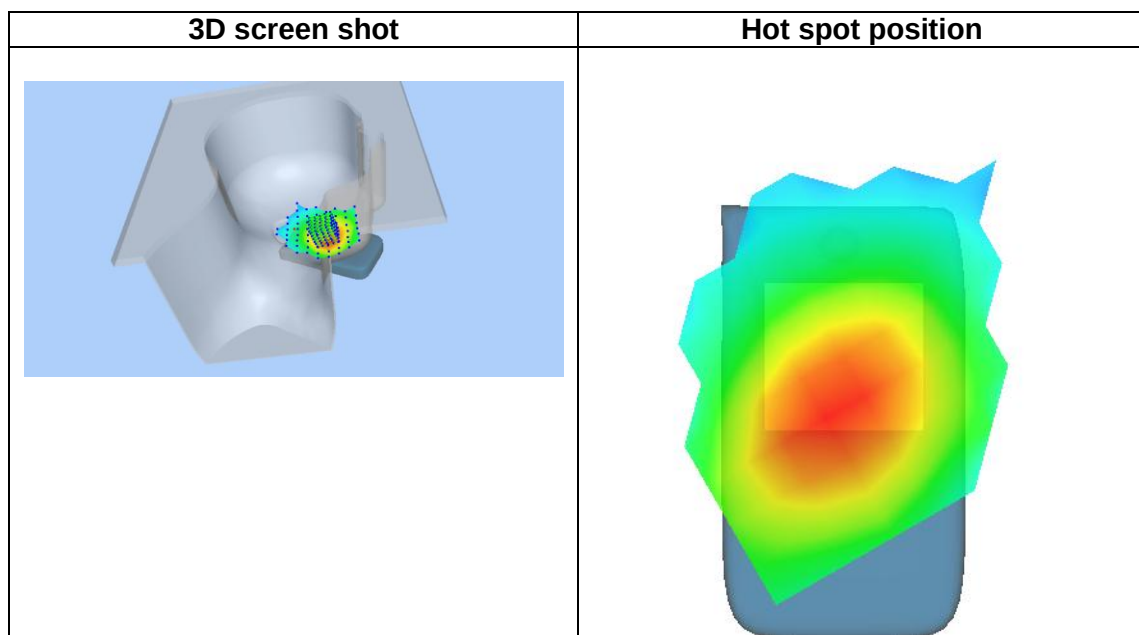
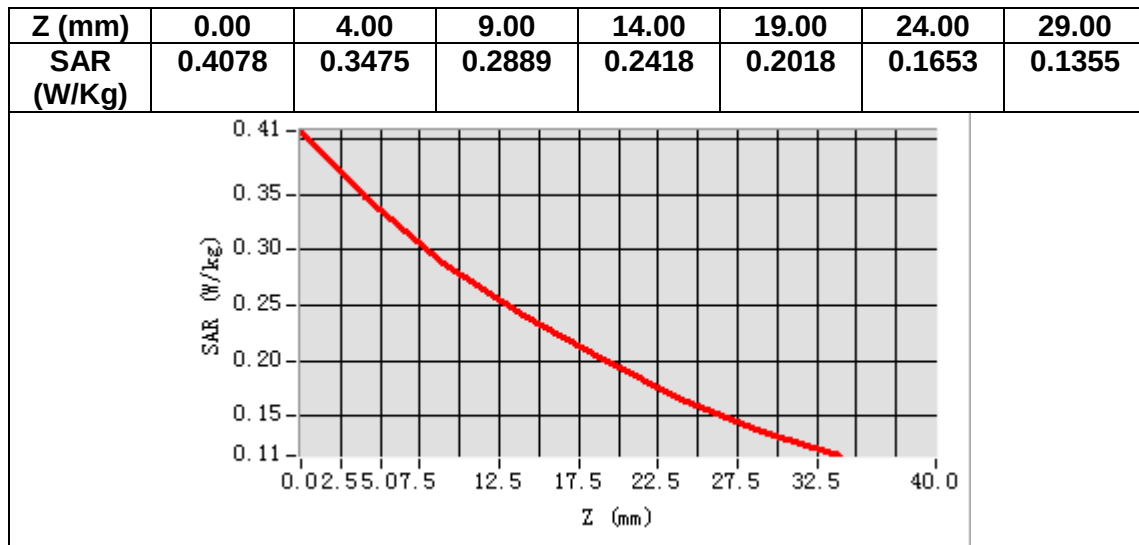
Frequency (MHz)	819.000000
Relative permittivity (real part)	42.862665
Relative permittivity (imaginary part)	19.726425
Conductivity (S/m)	0.897552
Variation (%)	3.370000



Maximum location: X=-51.00, Y=-33.00

SAR Peak: 0.42 W/kg

SAR 10g (W/Kg)	0.264981
SAR 1g (W/Kg)	0.341247



MEASUREMENT 38

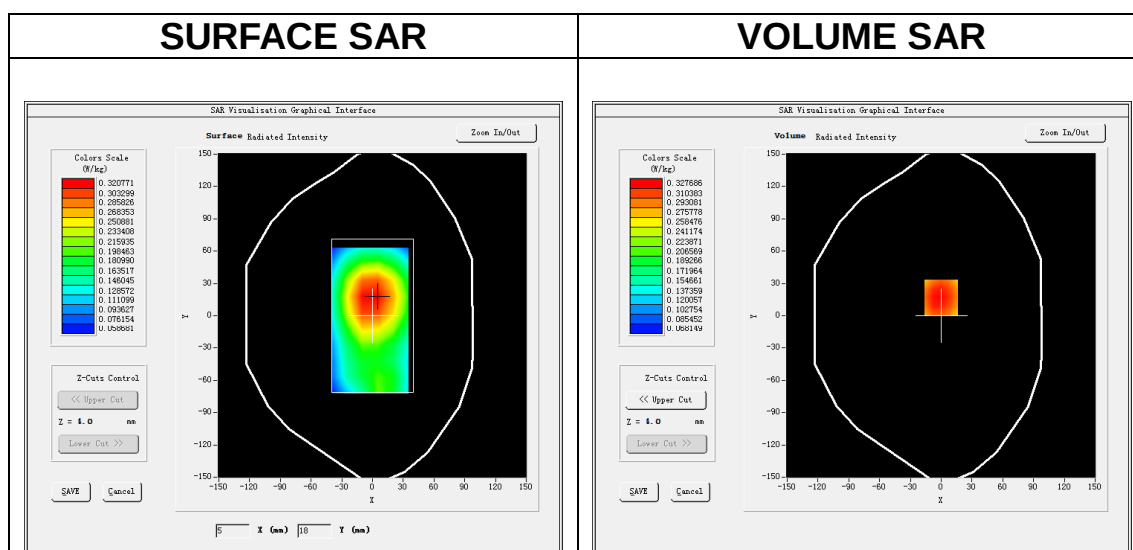
Date of measurement: 2/8/2021

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm dz=5mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>LTE band 26A</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>

B. SAR Measurement Results

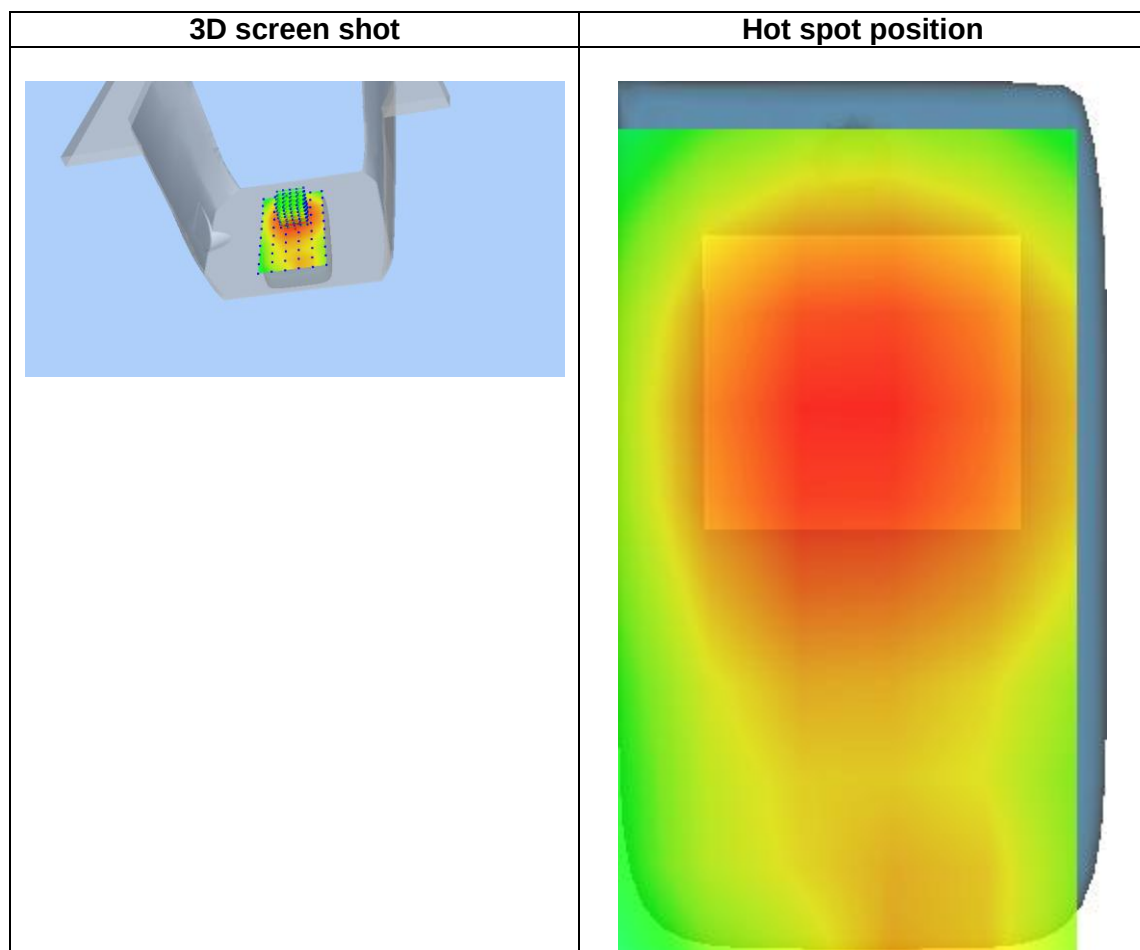
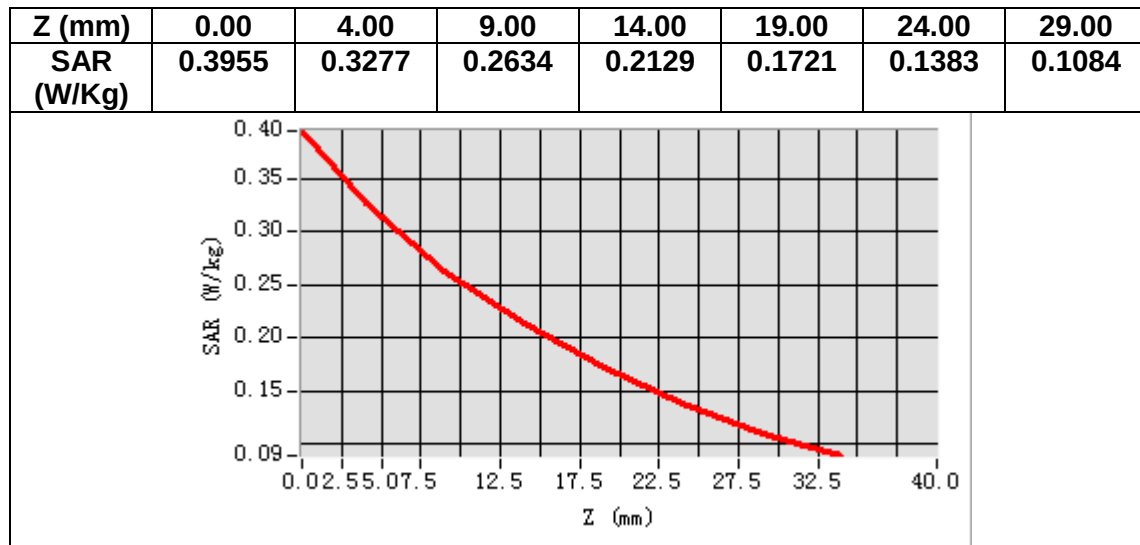
Frequency (MHz)	819.000000
Relative permittivity (real part)	42.862665
Relative permittivity (imaginary part)	19.726425
Conductivity (S/m)	0.897552
Variation (%)	0.350000



Maximum location: X=0.00, Y=17.00

SAR Peak: 0.40 W/kg

SAR 10g (W/Kg)	0.247660
SAR 1g (W/Kg)	0.322238



MEASUREMENT 39

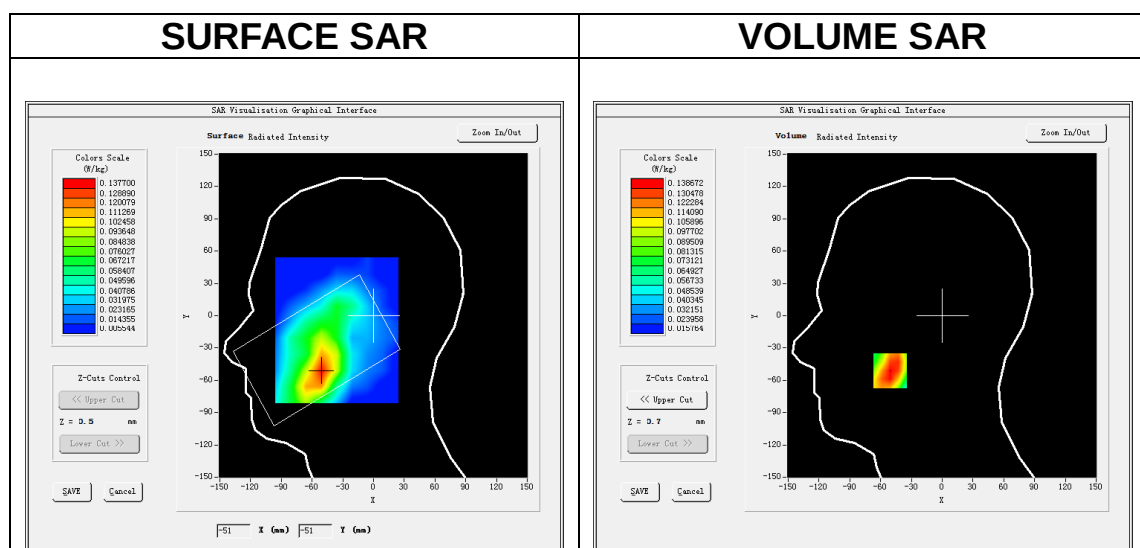
Date of measurement: 2/8/2021

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm dz=5mm</u>
<u>Phantom</u>	<u>Left head</u>
<u>Device Position</u>	<u>Cheek</u>
<u>Band</u>	<u>LTE band 26B</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>

B. SAR Measurement Results

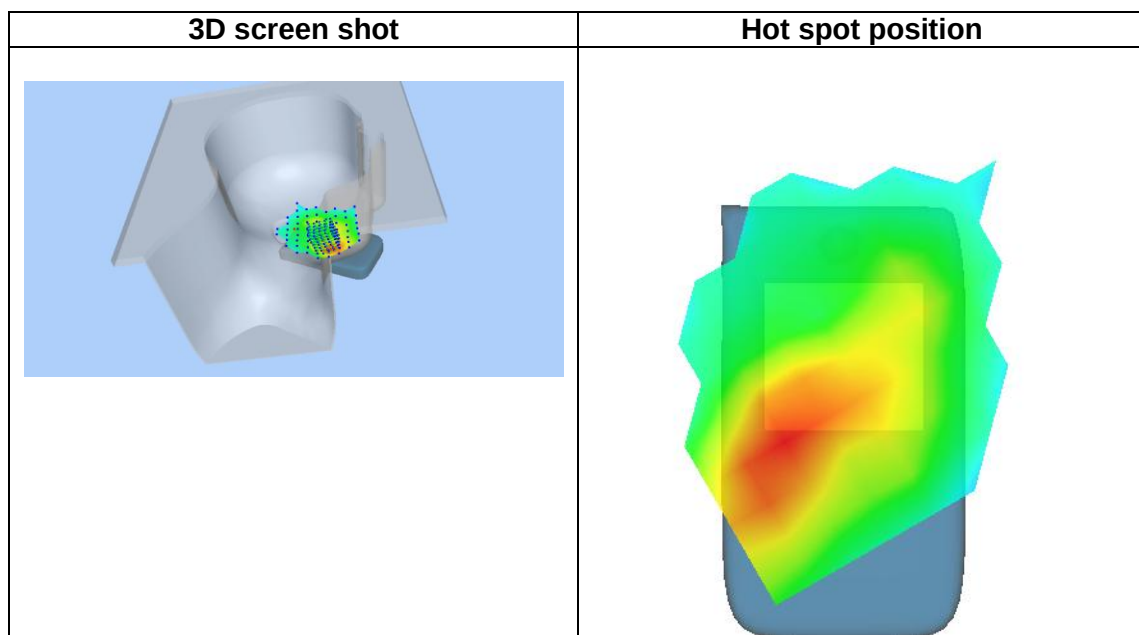
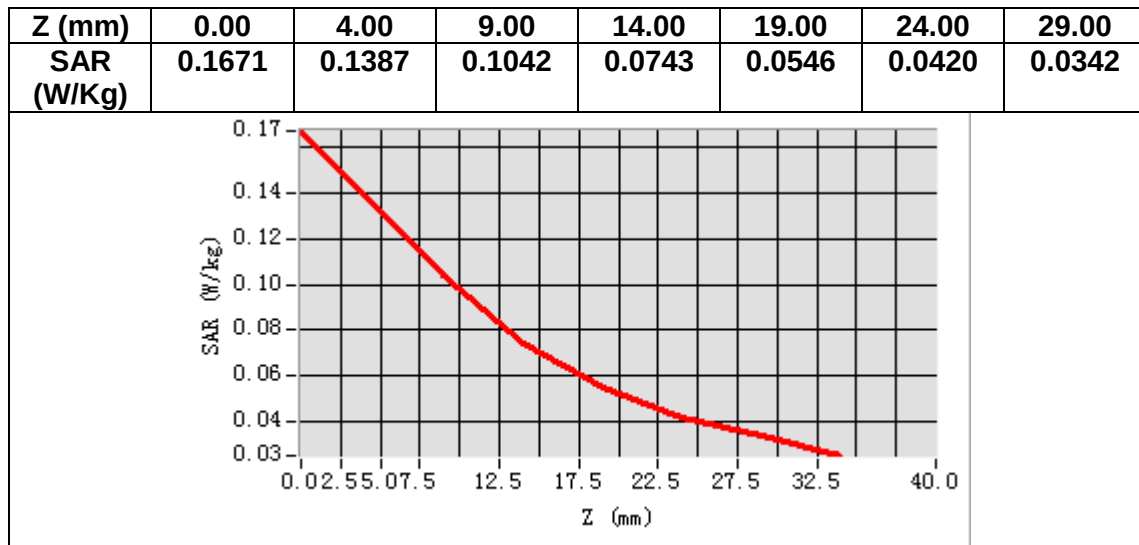
Frequency (MHz)	836.500000
Relative permittivity (real part)	42.583065
Relative permittivity (imaginary part)	19.749325
Conductivity (S/m)	0.917795
Variation (%)	2.330000



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

SAR Peak: 0.18 W/kg

SAR 10g (W/Kg)	0.089328
SAR 1g (W/Kg)	0.132149



MEASUREMENT 40

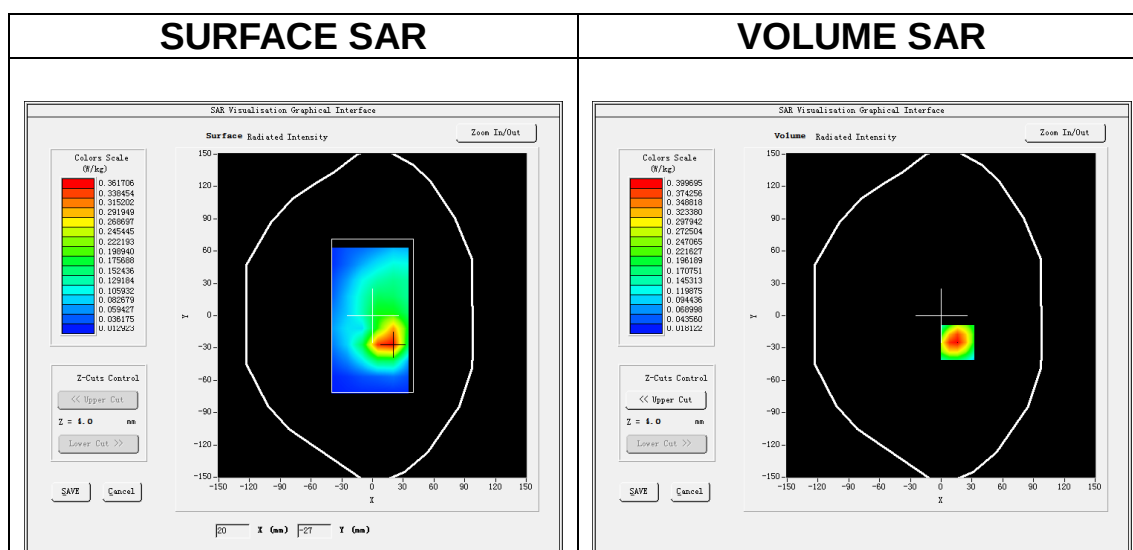
Date of measurement: 2/8/2021

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm dz=5mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>LTE band 26B</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>

B. SAR Measurement Results

Frequency (MHz)	836.500000
Relative permittivity (real part)	42.583065
Relative permittivity (imaginary part)	19.749325
Conductivity (S/m)	0.917795
Variation (%)	1.060000



Maximum location: X=16.00, Y=-25.00

SAR Peak: 0.60 W/kg

SAR 10g (W/Kg)	0.218221
SAR 1g (W/Kg)	0.383697