



FCC SAR TEST REPORT

Report No: STS1506072H01

Issued for

Sky Phone LLC

1348 Washington Av. #350 Miami Beach FL., USA

Product Name:	smart phone
Brand Name:	Sky Devices
Model No.:	Sky 5.0L
Series Model:	N/A
FCC ID:	2ABOSSKY50L
Test Standard:	ANSI/IEEE Std. C95.1
	FCC 47 CFR Part 2 (2.1093)
	IEEE 1528: 2013
Max. SAR (1g):	Head:0.433 W/kg
	Body:0.792 W/kg

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Test Report Certification

Applicant's name : Sky Phone LLC

Address : 1348 Washington Av. #350 Miami Beach FL., USA

Manufacture's Name : Shenzhen Konka Telecommunications Technology Co., Ltd.

Address : No.9008 Shennan Road, Overseas Chinese Town, ShenZhen, Guangdong, China

Product description

Product name : smart phone

Trademark : Sky Devices

Model and/or type reference : Sky 5.0L

Serial Model : N/A

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

The device was tested by Shenzhen STS Test Services Co., Ltd. in accordance with the measurement methods and procedures specified in KDB 865664 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.

Date of Test :

Date (s) of performance of tests : 13 Jul. 2015

Date of Issue : 14 Jul. 2015

Test Result : **Pass**

Testing Engineer :

Allen Chen

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John Zou

(John Zou)

Authorized Signatory :

Bovey Yang

(Bovey Yang)





TABLE OF CONTENTS

1. General Information	4
1.1 EUT Description	4
1.2 Test Environment	5
1.3 Test Facility	5
2. Test Standards And Limits	6
3. SAR Measurement System	7
3.1 Definition Of Specific Absorption Rate (SAR)	7
3.2 SAR System	7
3.2.1 Probe	8
3.2.2 Phantom	9
3.2.3 Device Holder	9
4. Tissue Simulating Liquids	10
4.1 Simulating Liquids Parameter Check	10
5. SAR System Validation	12
5.1 Validation System	12
5.2 Validation Result	12
6. SAR Evaluation Procedures	13
7. EUT Antenna Location Sketch	14
7.1 SAR TEST EXCLUSION CONSIDER TABLE	15
8. EUT Test Position	17
8.1 Define Two Imaginary Lines On The Handset	17
8.2 Hotspot mode exposure position condition	18
9. Uncertainty	19
9.1 Measurement Uncertainty	19
9.2 System validation Uncertainty	21
10. Conducted Power Measurement	23
11. EUT And Test Setup Photo	35
11.1 EUT Photo	35
11.2 Setup Photo	38
12. SAR Result Summary	44
12.1 Head SAR	44
12.2 Body SAR And Hotspot	46
13. Equipment List	51
Appendix A. System Validation Plots	52
Appendix B. SAR Test Plots	72
Appendix C. Probe Calibration And Dipole Calibration Report	161



1. General Information

1.1 EUT Description

Equipment	smart phone	
Brand Name	Sky Devices	
Model No.	Sky 5.0L	
Serial Model	N/A	
FCC ID	2ABOSSKY50L	
Model Difference	N/A	
Adapter	Input: AC100-240V, 200m A, 50/60 Hz Output: DC 5V, 1000mA	
Battery	Rated Voltage: 3.8V; Charge Limit: 4.35V; Capacity: 2000mAh	
Hardware Version	V1.1	
Software Version	ALPS.L1.MP3.V1_KONKA6735M.35U.L	
Frequency Range	GSM 850: 824.2~848.8MHz PCS1900: 1850.2~1909.8MHz WCDMA Band II: 1852.4~1907.6MHz WCDMA Band IV: 1712.6~1752.4MHz WCDMA Band V: 826.4~846.6MHz LTE Band 2: 1850.7~1909.3MHz LTE Band 4: 1710.7~1754.3MHz	LTE Band 12: 699.7~715.3MHz LTE Band 17: 706.5~713.5MHz WLAN 802.11b/g/n(HT20): 2412~2462MHz WLAN 802.11n(HT40): 2422~2452MHz Bluetooth: 2402~2480MHz
Transmit Power(MAX):	GSM 850: 26.89 dBm GSM 1900: 24.05 dBm WCDMA Band II: 19.54 dBm WCDMA Band IV: 22.44 dBm WCDMA Band V: 20.17 dBm LTE Band 2: 21.58 dBm LTE Band 4: 22.94 dBm	LTE Band 12: 22.65 dBm LTE Band 17: 21.26 dBm 802.11b: 8.91 dBm 802.11g: 9.90 dBm 802.11n(HT20): 6.26 dBm 802.11n(HT40): 3.48 dBm Bluetooth: -6.36 dBm
Max. Reported SAR(1g):	Head: GSM 850: 0.068 W/kg GSM 1900: 0.085 W/kg WCDMA Band II: 0.230 W/kg WCDMA Band IV: 0.165 W/kg WCDMA Band V: 0.190 W/kg LTE Band 2: 0.333 W/kg LTE Band 4: 0.374 W/kg LTE Band 12: 0.147 W/kg LTE Band 17: 0.175 W/kg WIFI: 0.433 W/kg	Body: GSM 850: 0.606 W/kg GSM 1900: 0.735 W/kg WCDMA Band II: 0.792 W/kg WCDMA Band IV: 0.517 W/kg WCDMA Band V: 0.243 W/kg LTE Band 2: 0.530 W/kg LTE Band 4: 0.426 W/kg LTE Band 12: 0.246 W/kg LTE Band 17: 0.308 W/kg WIFI: 0.125 W/kg
Operating Mode:	GSM: GSM Voice; GPRS; EGPRS Class 12; WCDMA: RMC, HSDPA, HSUPA Release 6; LTE: QPSK, 16QAM; WLAN: 802.11 b/g/n(HT20) /n(HT40); Bluetooth: V4.0 + EDR (GFSK + π /4DQPSK+8DPSK) ;	
Antenna Specification:	GSM, WCDMA, LTE: PIFA Antenna BT, WIFI: PIFA Antenna	
SIM Card	Support dual-SIM, dual standby, the multiple SIM card with two lines cannot transmitting at the same time	
Hotspot Mode:	Support	
DTM Mode:	Not Support	



1.2 Test Environment

Ambient conditions in the SAR laboratory:

Items	Required	Actual
Temperature (°C)	18-25	22~23
Humidity (%RH)	30-70	55~65

1.3 Test Facility

Shenzhen STS Test Services Co., Ltd.

Add. : 1/F, Building B, Zhuoke Science Park, No.190, Chongqing Road, Fuyong,
Baoan District, Shenzhen, Guangdong, China

CNAS Registration No.: L7649;

FCC Registration No.: 842334;

IC Registration No.: 12108A-1





2. Test Standards And Limits

No.	Identity	Document Title
1	47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	ANSI/IEEE Std. C95.1-1992	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz
3	IEEE Std. 1528-2013	Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
4	FCC KDB 447498 D01 v05r02	Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies
5	FCC KDB 865664 D01 v01r03	SAR Measurement 100 MHz to 6 GHz
6	FCC KDB 865664 D02 v01r01	RF Exposure Reporting
7	FCC KDB 941225 D01	SAR Measurement Procedures for 3G Devices
8	FCC KDB 941225 D05 v02r03	SAR for LTE Devices
9	FCC KDB 941225 D06 v02	Hotspot Mode SAR
10	FCC KDB 248227 D01 Wi-Fi SAR v02	SAR Considerations for 802.11 Devices

This device belongs to portable device category because its radiating structure is allowed to be used within 20 centimeters of the body of the user. According to EN 50360 and 1999/519/EC the limit for General Population/Uncontrolled exposure should be applied for this device, it is 2.0 W/kg as averaged over any 10 gram of tissue.

(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 10 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.

Population/Uncontrolled Environments:

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

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).

NOTE

GENERAL POPULATION/UNCONTROLLED EXPOSURE

PARTIAL BODY LIMIT

1.6 W/kg

3. SAR Measurement System

3.1 Definition Of Specific Absorption Rate (SAR)

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

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

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

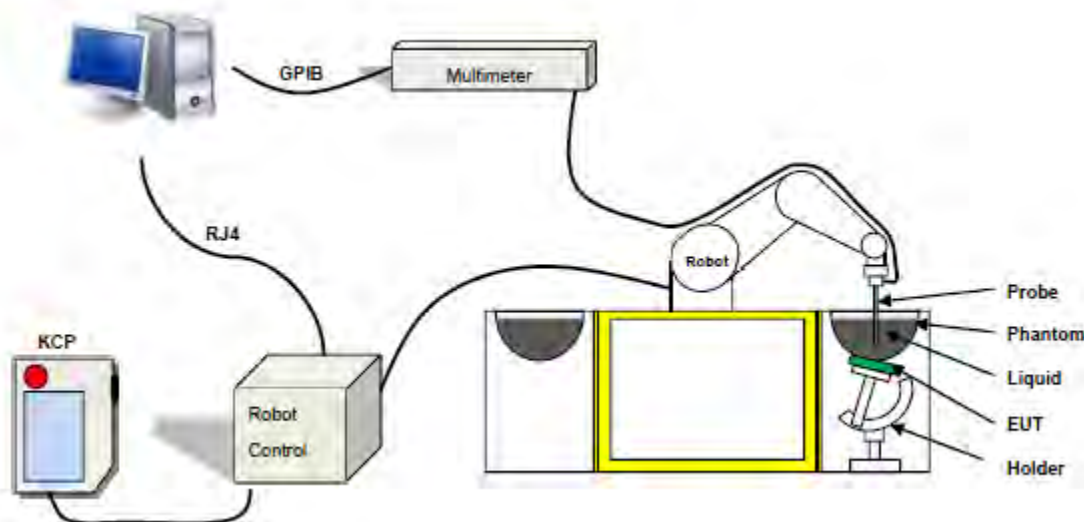
SAR is expressed in units of Watts per kilogram (W/kg) SAR measurement can be related to the electrical field in the tissue by

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

Where: σ is the conductivity of the tissue,
ρ is the mass density of the tissue and E is the RMS electrical field strength.

3.2 SAR System

SATIMO SAR System Diagram:



Comosar is a system that is able to determine the SAR distribution inside a phantom of human being according to different standards. The Comosar system consists of the following items:

- Main computer to control all the system
- 6 axis robot
- Data acquisition system
- Miniature E-field probe
- Phone holder
- Head simulating tissue

The following figure shows the system.



The EUT under test operating at the maximum power level is placed in the phone holder, under the phantom, which is filled with head simulating liquid. The E-Field probe measures the electric field inside the phantom. The OpenSAR software computes the results to give a SAR value in a 1g or 10g mass.

3.2.1 Probe

For the measurements the Specific Dosimetric E-Field Probe SN 17/14 EP221 with following specifications is used

- Dynamic range: 0.01-100 W/kg
 - Tip Diameter :5 mm
 - Distance between probe tip and sensor center: 2.7mm
 - Distance between sensor center and the inner phantom surface: 4 mm (repeatability better than +/- 1mm)
 - Probe linearity: <0.25 dB
 - Axial Isotropy: <0.25 dB
 - Spherical Isotropy: <0.25 dB
 - Calibration range: 450MHz to 2600MHz for head & body simulating liquid.
- Angle between probe axis (evaluation axis) and surface normal line: less than 30°



Figure 1 – Satimo COMOSAR Dosimetric E field Dipole

3.2.2 Phantom

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

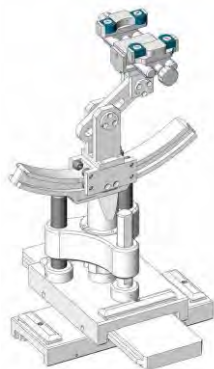
SN 32/14 SAM115



SN 32/14 SAM116



3.2.3 Device Holder



The SAR in the phantom is approximately inversely proportional to the square of the distance between the source and the liquid surface. For a source at 5 mm distance, a positioning uncertainty of ± 0.5 mm would produce a SAR uncertainty of ± 20 %. Accurate device positioning is therefore crucial for accurate and repeatable measurements. The positions in which the devices must be measured are defined by the standards.



4. Tissue Simulating Liquids

4.1 Simulating Liquids Parameter Check

The head tissue dielectric parameters recommended by the IEEE SCC-34/SC-2 in P1528 have been incorporated in the following table. These head parameters are derived from planar layer models simulating the highest expected SAR for the dielectric properties and tissue thickness variations in a human head. Other head and body tissue parameters that have not been specified in P1528 are derived from the tissue dielectric parameters computed from the 4-Cole-Cole equations described in Reference [12] and extrapolated according to the head parameters specified in P1528.

LIQUID MEASUREMENT RESULTS

Date: July 13, 2015 **Ambient condition:** Temperature 22.7°C **Relative humidity:** 49%

Head Simulating Liquid		Parameters	Target	Measured	Deviation[%]	Limited[%]
Frequency	Temp. [°C]					
750 MHz	22.30	Permittivity:	41.9	41.2	-1.67	±5
		Conductivity:	0.89	0.91	2.25	± 5
835 MHz	22.30	Permittivity:	41.50	41	-1.20	±5
		Conductivity:	0.90	0.86	-4.44	± 5
1800 MHz	22.30	Permittivity:	40.10	40.2	0.25	±5
		Conductivity:	1.37	1.31	-4.38	± 5
1900 MHz	22.30	Permittivity:	40.00	39.5	-1.25	± 5
		Conductivity:	1.40	1.43	2.14	± 5
2450 MHz	22.30	Permittivity:	39.2	39.18	-0.05	± 5
		Conductivity:	1.80	1.88	4.44	± 5



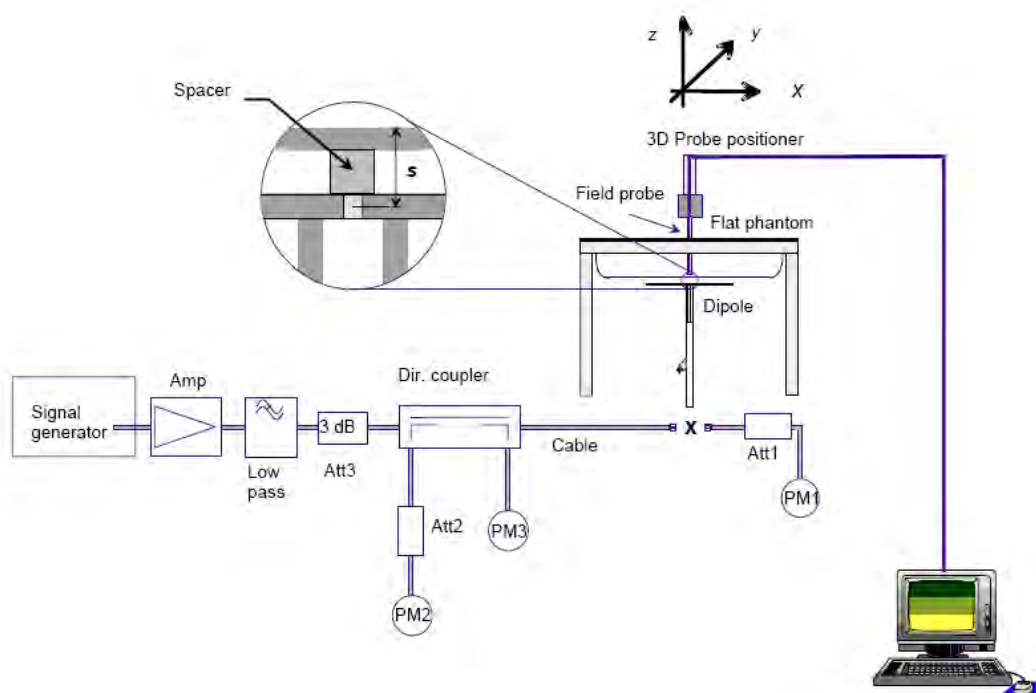
Body Simulating Liquid		Parameters	Target	Measured	Deviation[%]	Limited[%]
Frequency	Temp. [°C]					
750 MHz	22.30	Permittivity:	55.50	55.26	-0.43	± 5
		Conductivity:	0.96	0.91	-5.21	± 5
835 MHz	22.30	Permittivity:	55.20	54.7	-0.91	± 5
		Conductivity:	0.97	0.98	1.03	± 5
1800 MHz	22.30	Permittivity:	53.40	52.6	-1.50	± 5
		Conductivity:	1.49	1.38	-7.38	± 5
1900 MHz	22.30	Permittivity:	53.30	52.31	-1.86	± 5
		Conductivity:	1.52	1.50	-1.32	± 5
2450 MHz	22.30	Permittivity:	52.7	51.6	-2.09	± 5
		Conductivity:	1.95	1.93	-1.03	± 5

5. SAR System Validation

5.1 Validation System

Each SATIMO system is equipped with one or more system validation kits. These units, together with the predefined measurement procedures within the SATIMO software, enable the user to conduct the system performance check and system validation. System kit includes a dipole, and dipole device holder.

The system check verifies that the system operates within its specifications. It's performed daily or before every SAR measurement. The system check uses normal SAR measurement in the flat section of the phantom with a matched dipole at a specified distance. The system validation setup is shown as below.



5.2 Validation Result

Comparing to the original SAR value provided by SATIMO, the validation data should be within its specification of 10 %.

Ambient condition: Temperature 22.7°C **Relative humidity:** 49%

Freq.(MHz)	Power(mW)	Tested Value (W/Kg)	Normalized SAR (W/kg)	Target(W/Kg)	Tolerance(%)	Date
750 Head	100	0.838	8.38	8.49	-1.30	2015-07-13
750 Body	100	0.856	8.56	8.49	0.82	2015-07-13
835 Head	100	0.937	9.37	9.56	-1.99	2015-07-13
835 Body	100	0.947	9.47	9.56	-0.94	2015-07-13
1800 Head	100	3.76	37.6	38.4	-2.08	2015-07-13
1800 Body	100	3.88	38.8	38.4	1.04	2015-07-13
1900 Head	100	3.86	38.6	39.8	-3.02	2015-07-13
1900 Body	100	3.987	39.87	39.8	0.18	2015-07-13
2450 Head	100	5.593	55.93	52.4	6.74	2015-07-13
2450 Body	100	4.864	48.64	52.4	-7.18	2015-07-13

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



6. SAR Evaluation Procedures

The procedure for assessing the average SAR value consists of the following steps:

The following steps are used for each test position

- Establish a call with the maximum output power with a base station simulator. The connection between the mobile and the base station simulator is established via air interface
- Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible power drift.
- Measurement of the SAR distribution with a grid of 8 to 16mm * 8 to 16 mm and a constant distance to the inner surface of the phantom. Since the sensors cannot directly measure at the inner phantom surface, the values between the sensors and the inner phantom surface are extrapolated. With these values the area of the maximum SAR is calculated by an interpolation scheme.
- 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.

➤ Area Scan& Zoom Scan

First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan is required. The Zoom Scan is performed around the highest E-field value to determine the averaged SAR-distribution over 10 g. Area scan and zoom scan resolution setting follows KDB 865664 D01v01r01 quoted below.

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

7. EUT Antenna Location Sketch

It is a mobile phone, support GSM mode.



- WWAN Antenna
- WIFI/BT Antenna



7.1 SAR TEST EXCLUSION CONSIDER TABLE

According with FCC KDB 447498 D01v05r02, appendix A, <SAR test exclusion thresholds for 100MHz~6GHz and≤50mm> table, this device SAR test configurations consider as following:

Band	Test position configurations					
	Front	Back	Right edge	Left edge	Top edge	Bottom edge
GSM850	<5mm	<5mm	<5mm	16mm	130mm	<5mm
	Yes	Yes	Yes	Yes	No	Yes
GSM1900	<5mm	<5mm	<5mm	16mm	130mm	<5mm
	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band II	<5mm	<5mm	<5mm	16mm	130mm	<5mm
	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band IV	<5mm	<5mm	<5mm	16mm	130mm	<5mm
	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band V	<5mm	<5mm	<5mm	16mm	130mm	<5mm
	Yes	Yes	Yes	Yes	No	Yes
LTE Band 2	<5mm	<5mm	<5mm	16mm	130mm	<5mm
	Yes	Yes	Yes	Yes	No	Yes
LTE Band 4	<5mm	<5mm	<5mm	16mm	130mm	<5mm
	Yes	Yes	Yes	Yes	No	Yes
LTE Band 7	<5mm	<5mm	<5mm	16mm	130mm	<5mm
	Yes	Yes	Yes	Yes	No	Yes
LTE Band 17	<5mm	<5mm	<5mm	16mm	130mm	<5mm
	Yes	Yes	Yes	Yes	No	Yes
WLAN	<5mm	<5mm	58mm	<5mm	<5mm	133mm
	Yes	Yes	No	Yes	Yes	No
Bluetooth	<5mm	<5mm	58mm	<5mm	<5mm	133mm
	Yes	Yes	No	Yes	Yes	No

Note:

1. maximum power is the source-based time-average power and represents the maximum RF output power among production units.
2. per KDB 447498 D01v05r02, for larger devices, the test separation distance of adjacent edge configuration is determined by the closest separation between the antenna and the user.
3. per KDB 447498 D01v05r02, standalone SAR test exclusion threshold is applied; if the distance of the antenna to the user is <5mm, 5mm is user to determine SAR exclusion threshold
4. per KDB 447498 D01v05r02, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distance ≤50mm are determined by:
[(max.power of channel, including tune-up tolerance, Mw)/(min. test separation distance,



mm)]*[$\sqrt{f(\text{GHz})}$] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR

$f(\text{GHz})$ 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

For <50mm distance, we just calculate mW of the exclusion threshold value(3.0)to do compare

5. per KDB 447498 D01v05r02, at 100 MHz to 6GHz and for test separation distances >50mm, the SAR test exclusion threshold is determined according to the following
 - a)[threshold at 50mm in step 1]+(test separation distance -50mm)*($f(\text{MHz})/150$)]mW, at 100 MHz to 1500 MHz
 - b) [threshold at 50mm in step1]+(test separation distance -50mm) *10]mW at > 1500MHz and $\leq 6\text{GHz}$
6. Per KDB 447498 D02v02r02,RMC 12.2kbps setting is used to evaluate SAR. If HSDPA/HSUPA/DC-HSDPA output power is <0.25db higher than RMC 12.2Kbps,or reported SAR with RMC 12.2kbps setting is $\leq 1.2\text{W/Kg}$, HSDPA/HSUPA/DC-HSDPA SAR evaluation can be excluded.
7. Per KDB 248227 D01v01r02,choose the highest output power channel to test SAR and determine futher SAR exclusion 8.for each frequency band ,testing at higher data rates and higher order modulations is not required when the maximum average output power for each of each of these configurations is less than 1/4db higher than those measured at the lower data rate than 11b mode ,thus the SAR can be excluded.

8. EUT Test Position

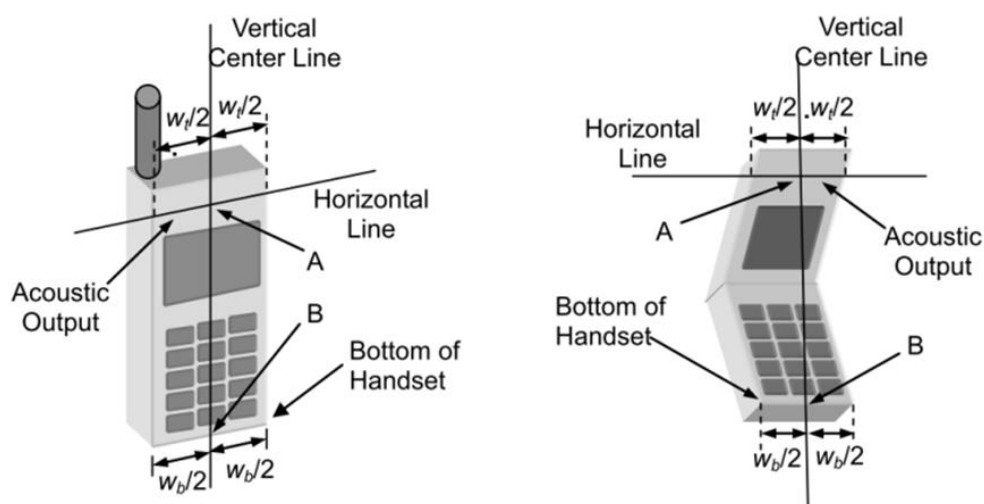
This EUT was tested in Right Cheek, Right Titled, Left Cheek, Left Titled, Front Face and Rear Face.

8.1 Define Two Imaginary Lines On The Handset

(1) 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, and the midpoint of the width w_b of the handset.

(2) The horizontal line is perpendicular to the vertical centerline and passes through the center of the acoustic output. The horizontal line is also tangential to the face of the handset at point A.

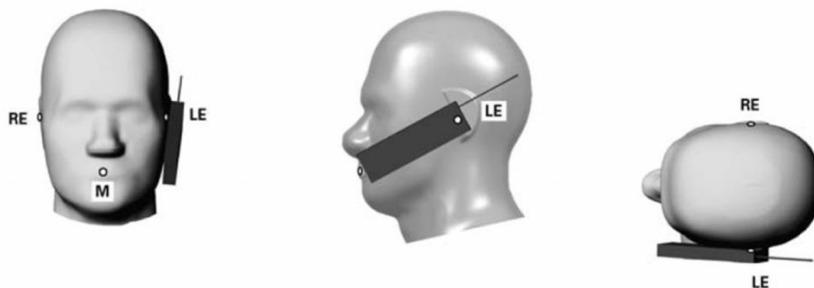
(3) The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical centerline is not necessarily to the front face of the handset, especially for clamshell handsets, handsets with flip covers, and other irregularly shaped handsets.



Cheek Position

1) To position the device with the vertical center line of the body of the device and the horizontal line crossing the center piece in a plane parallel to the sagittal plane of the phantom. While maintaining the device in this plane, align the vertical center line with the reference plane containing the ear and mouth reference point (M: Mouth, RE: Right Ear, and LE: Left Ear) and align the center of the ear piece with the line RE-LE.

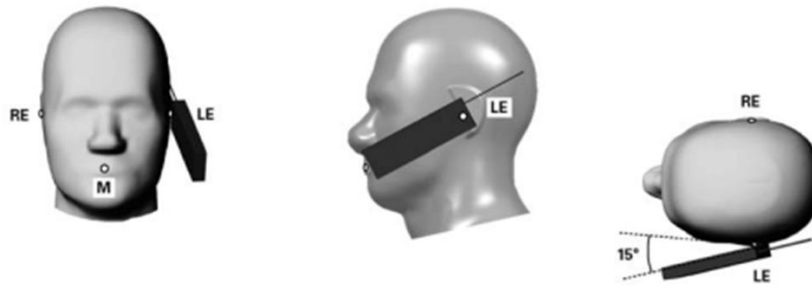
2) To move the device towards the phantom with the ear piece aligned with the the line LE-RE until the phone touched the ear. While maintaining the device in the reference plane and maintaining the phone contact with ear, move the bottom of the phone until any point on the front side is in contact with the cheek of the phantom or until contact with the ear is lost



Title Position

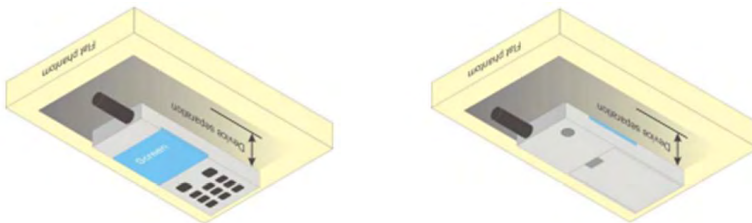
(1) To position the device in the "cheek" position described above.

(2) While maintaining the device in the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until with the ear is lost.



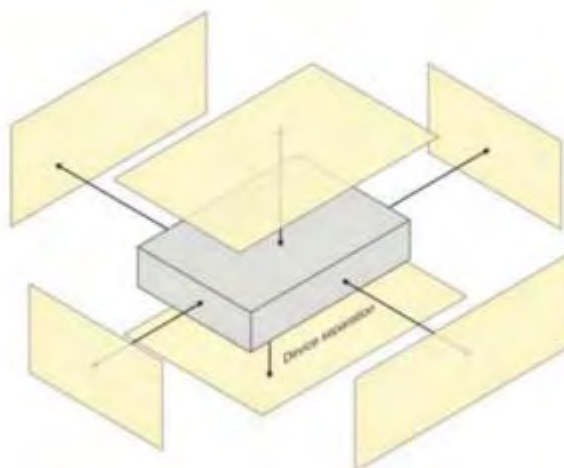
Body-worn Position Conditions

- (1) To position the EUT parallel to the phantom surface.
- (2) To adjust the EUT parallel to the flat phantom.
- (3) To adjust the distance between the EUT surface and the flat phantom to 5mm.



8.2 Hotspot mode exposure position condition

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





9. Uncertainty

9.1 Measurement Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in IEEE 1528: 2003. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

NO	Source	Tol(%)	Prob. Dist.	Div. k	ci (1g)	ci (10g)	1gUi	10gUi	Veff
Measurement System									
1	Probe calibration	5.8	N	1	1	1	5.8	5.8	∞
2	Axial isotropy	3.5	R	$\sqrt{3}$	$(1-cp)^{1/2}$	$(1-cp)^{1/2}$	1.43	1.43	∞
3	Hemispherical isotropy	5.9	R	$\sqrt{3}$	$\sqrt{C_p}$	$\sqrt{C_p}$	2.41	2.41	∞
4	Boundary effect	1.0	R	$\sqrt{3}$	1	1	0.58	0.58	∞
5	Linearity	4.7	R	$\sqrt{3}$	1	1	2.71	2.71	∞
6	System Detection limits	1.0	R	$\sqrt{3}$	1	1	0.58	0.58	∞
7	Readout electronics	0.5	N	1	1	1	0.50	0.50	∞
8	Response time	0	R	$\sqrt{3}$	1	1	0	0	∞
9	Integration time	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
10	Ambient noise	3.0	R	$\sqrt{3}$	1	1	1.73	1.73	∞
11	Ambient reflections	3.0	R	$\sqrt{3}$	1	1	1.73	1.73	∞
12	Probe positioner mech. restrictions	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
13	Probe positioning with respect to phantom shell	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
14	Max.SAR evaluation	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
Test sample related									



15	Device positioning	2.6	N	1	1	1	2.6	2.6	11
16	Device holder	3	N	1	1	1	3.0	3.0	7
17	Drift of output power	5.0	R	√3	1	1	2.89	2.89	∞
Phantom and set-up									
18	Phantom uncertainty	4.0	R	√3	1	1	2.31	2.31	∞
19	Liquid conductivity (target)	2.5	N	1	0.78	0.71	1.95	1.78	5
20	Liquid conductivity (meas)	4	N	1	0.23	0.26	0.92	1.04	5
21	Liquid Permittivity (target)	2.5	N	1	0.78	0.71	1.95	1.78	∞
22	Liquid Permittivity (meas)	5.0	N	1	0.23	0.26	1.15	1.30	∞
Combined standard			RSS	$U_c = \sqrt{\sum_{i=1}^n C_i^2 U_i^2}$			10.63%	10.54%	
Expanded uncertainty (P=95%)		$U = k U_c, k=2$					21.26%	21.08%	



9.2 System validation Uncertainty

NO	Source	Tol(%)	Prob. Dist.	Div. k	ci (1g)	ci (10g)	1gUi	10gUi	Veff
Measurement System									
1	Probe calibration	5.8	N	1	1	1	5.8	5.8	∞
2	Axial isotropy	3.5	R	$\sqrt{3}$	$(1-c_p)^{1/2}$	$(1-c_p)^{1/2}$	1.43	1.43	∞
3	Hemispherical isotropy	5.9	R	$\sqrt{3}$	$\sqrt{C_p}$	$\sqrt{C_p}$	2.41	2.41	∞
4	Boundary effect	1.0	R	$\sqrt{3}$	1	1	0.58	0.58	∞
5	Linearity	4.7	R	$\sqrt{3}$	1	1	2.71	2.71	∞
6	System Detection limits	1.0	R	$\sqrt{3}$	1	1	0.58	0.58	∞
7	Modulation response	0	N	1	1	1	0	0	∞
8	Readout electronics	0.5	N	1	1	1	0.50	0.50	∞
9	Response time	0	R	$\sqrt{3}$	1	1	0	0	∞
10	Integration time	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
11	Ambient noise	3.0	R	$\sqrt{3}$	1	1	1.73	1.73	∞
12	Ambient reflections	3.0	R	$\sqrt{3}$	1	1	1.73	1.73	∞
13	Probe positioner mech. restrictions	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
14	Probe positioning with respect to phantom shell	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
15	Max.SAR evaluation	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
Dipole									
16	Deviation of experimental source from	4	N	1	1	1	4.00	4.00	∞



17	Input power and SAR drif measurement	5	R	√3	1	1	2.89	2.89	∞
18	Dipole Axis to liquid Distance	2	R	√3	1	1			∞
Phantom and set-up									
19	Phantom uncertainty	4.0	R	√3	1	1	2.31	2.31	∞
20	Uncertainty in SAR correction for deviation(in	2.0	N	1	1	0.84	2	1.68	∞
21	Liquid conductivity (target)	2	N	1	1	0.84	2.00	1.68	∞
22	Liquid conductivity (temperature uncertainty)	2.5	N	1	0.78	0.71	1.95	1.78	5
23	Liquid conductivity (meas)	4	N	1	0.23	0.26	0.92	1.04	5
24	Liquid Permittivity (target)	2.5	N	1	0.78	0.71	1.95	1.78	∞
25	Liquid Permittivity (temperature uncertainty)	2.5	N	1	0.78	0.71	1.95	1.78	5
26	Liquid Permittivity (meas)	5.0	N	1	0.23	0.26	1.15	1.30	∞
Combined standard			RSS	$U_c = \sqrt{\sum_{i=1}^n C_i^2 U_i^2}$			10.15%	10.05%	
Expanded uncertainty (P=95%)		$U = k U_c, k=2$					21.29%	21.10%	



10. Conducted Power Measurement

Test Result:

Burst Average Power (dBm)						
Band	GSM 850			PCS 1900		
Channel	128	190	251	512	661	810
Frequency (MHz)	824.2	836.6	848.8	1850.2	1880.0	1909.8
GSM(GMSK, 1-Slot)	26.68	26.56	26.89	24.01	23.59	24.05
GPRS (GMSK, 1-Slot)	26.70	26.54	26.47	23.82	23.82	23.60
GPRS (GMSK, 2-Slot)	25.84	25.68	25.69	22.86	22.83	22.75
GPRS (GMSK, 3-Slot)	23.41	23.22	23.54	20.49	20.22	20.76
GPRS (GMSK, 4-Slot)	22.39	22.02	22.53	19.45	19.25	19.57
EGPRS(8PSK, 1-Slot)	26.63	26.58	26.48	23.71	23.59	23.61
EGPRS(8PSK, 2-Slot)	25.50	25.85	25.76	22.77	23.15	22.97
EGPRS(8PSK, 3-Slot)	23.49	23.75	23.50	20.76	20.72	20.69
EGPRS(8PSK, 4-Slot)	22.22	22.59	22.62	19.28	19.88	19.78
Remark: GPRS, CS4 coding scheme. EGPRS, MCS9 coding scheme. Multi-Slot Class 8 , Support Max 4 downlink, 1 uplink , 5 working link Multi-Slot Class 10 , Support Max 4 downlink, 2 uplink , 5 working link Multi-Slot Class 12 , Support Max 4 downlink, 4 uplink , 5 working link						

Fram- Average Power(dBm)						
Band	GSM 850			PCS 1900		
Channel	128	190	251	512	661	810
Frequency (MHz)	824.2	836.6	848.8	1850.2	1880.0	1909.8
GSM(GMSK, 1-Slot)	17.68	17.56	17.89	15.01	14.59	15.05
GPRS (GMSK, 1-Slot)	17.70	17.54	17.47	14.82	14.82	14.60
GPRS (GMSK, 2-Slot)	19.84	19.68	19.69	16.86	16.83	16.75
GPRS (GMSK, 3-Slot)	19.15	18.96	19.28	16.23	15.96	16.50
GPRS (GMSK, 4-Slot)	19.39	19.02	19.53	16.45	16.25	16.57
EGPRS(8PSK, 1-Slot)	17.63	17.58	17.48	14.71	14.59	14.61
EGPRS(8PSK, 2-Slot)	19.50	19.85	19.76	16.77	17.15	16.97
EGPRS(8PSK, 3-Slot)	19.23	19.49	19.24	16.50	16.46	16.43
EGPRS(8PSK, 4-Slot)	19.22	19.59	19.62	16.28	16.88	16.78
Remark : 1. SAR testing was performed on the maximum frame-averaged power mode. 2. The frame-averaged power is linearly proportion to the slot number configured and it is linearly scaled the maximum burst-averaged power based on time slots. The calculated method is shown as below: Frame-averaged power = Burst averaged power (1 Tx Slot) - 9 dB Frame-averaged power = Burst averaged power (2 Tx Slots) - 6 dB Frame-averaged power = Burst averaged power (3 Tx Slots) - 4.26 dB Frame-averaged power = Burst averaged power (4 Tx Slots) - 3 dB						

**WCDMA**

Band	WCDMA Band V			WCDMA Band IV			WCDMA Band II		
Channel	4132	4182	4233	1313	1450	1512	9263	9400	9537
Frequency (MHz)	826.4	836.6	846.6	1712.6	1740	1752.4	1852.4	1880.0	1907.6
RMC 12.2Kbps	20.17	19.78	20.12	22.26	22.40	22.44	19.54	19.52	19.35
HSDPA Subtest-1	20.12	19.94	19.93	21.15	21.34	21.40	19.45	19.46	19.27
HSDPA Subtest-2	19.13	18.59	19.07	20.39	20.56	20.67	18.45	18.34	18.17
HSDPA Subtest-3	18.43	18.24	18.40	19.84	19.99	20.08	18.10	17.55	17.71
HSDPA Subtest-4	17.71	17.36	17.90	19.30	19.40	19.39	17.33	17.00	16.81
HSUPA Subtest-1	20.09	19.84	20.11	21.30	21.65	21.56	19.39	19.27	19.19
HSUPA Subtest-2	19.07	18.76	19.05	20.30	20.57	20.36	18.58	17.99	18.00
HSUPA Subtest-3	18.45	18.29	18.51	19.60	20.09	19.76	17.92	17.84	17.06
HSUPA Subtest-4	17.83	17.56	17.66	19.18	19.42	19.11	17.38	17.18	16.50
HSUPA Subtest-5	17.29	16.88	17.21	18.52	18.75	18.61	16.61	16.46	15.86

According to 3GPP 25.101 sub-clause 6.2.2 , the maximum output power is allowed to be reduced by following the table.

Table 6.1A: UE maximum output power with HS-DPCCH and E-DCH

UE Transmit Channel Configuration	CM(db)	MPR(db)
For all combinations of ,DPDCH,DPCCH HS-DPDCH,E-DPDCH and E-DPCCH	$0 \leq CM \leq 3.5$	MAX(CM-1,0)
Note: CM=1 for $\beta_{cl}/\beta_d=12/15$, $\beta_{hs}/\beta_c=24/15$.For all other combinations of DPDCH, DPCCH, HS-DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference.		

The device supports MPR to solve linearity issues (ACLR or SEM) due to the higher peak-to average ratios (PAR) of the HSUPA signal. This prevents saturating the full range of the TX DAC inside of device and provides a reduced power output to the RF transceiver chip according to the Cubic Metric (a function of the combinations of DPDCH, DPCCH, HS-DPCCH, E-DPDCH and E-DPCCH).

When E-DPDCH channels are present the beta gains on those channels are reduced firsts to try to get the power under the allowed limit. If the beta gains are lowered as far as possible, then a hard limiting is applied at the maximum allowed level.

The SW currently recalculates the cubic metric every time the beta gains on the E-DPDCH are reduced. The cubic metric will likely get lower each time this is done .However, there is no reported reduction of maximum output power in the HSUPA mode since the device also provides a compensation for the power back-off by increasing the gain of TX_AGC in the transceiver (PA) device.

The end effect is that the DUT output power is identical to the case where there is no MPR in the device.

**WIFI**

Mode	Channel Number	Frequency (MHz)	PEAK Power (dBm)
802.11b	1	2412	7.08
	6	2437	7.97
	11	2462	8.91
802.11g	1	2412	9.90
	6	2437	9.58
	11	2462	9.67
802.11n(HT 20)	1	2412	5.64
	6	2437	5.66
	11	2462	6.26
802.11n(HT 40)	3	2422	2.96
	6	2437	3.48
	9	2452	3.37

Bluetooth

Mode	Channel Number	Frequency (MHz)	PEAK Power (dBm)
GFSK(1M)	0	2402	-7.37
	39	2441	-6.75
	78	2480	-6.36
$\pi/4$ -DQPSK(2Mbps)	0	2402	-8.11
	39	2441	-7.87
	78	2480	-7.77
8-DPSK(3Mbps)	0	2402	-7.89
	39	2441	-7.41
	78	2480	-7.09

Bluetooth

Mode	Channel Number	Frequency (MHz)	PEAK Power (dBm)
GFSK(1M)	0	2402	-14.16
	19	2422	-13.87
	39	2442	-13.99



LTE Conducted Power

General Note:

1. Anritsu MT8820C base station simulator was used to setup the connection with EUT; the frequency band, channel bandwidth, RB allocation configuration, modulation type are set in the base station simulator to configure EUT transmitting at maximum power and at different configurations which are requested to be reported to FCC, for conducted power measurement and SAR testing.
2. Per KDB 941225 D05v02r03, when a properly configured base station simulator is used for the SAR and power measurements, spectrum plots for each RB allocation and offset configuration is not required.
3. Per KDB 941225 D05v02r03, start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
4. Per KDB 941225 D05v02r03, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
5. Per KDB 941225 D05v02r03, For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
6. Per KDB 941225 D05v02r03, 16QAM output power for each RB allocation configuration is $>$ not $\frac{1}{2}$ dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is ≤ 1.45 W/kg; Per KDB 941225 D05v02r03, 16QAM SAR testing is not required.
7. Per KDB 941225 D05v02r03, Smaller bandwidth output power for each RB allocation configuration is $>$ not $\frac{1}{2}$ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg; Per KDB 941225 D05v02r03, smaller bandwidth SAR testing is not required.



LTE Band 2

BW(MHz)	Modulation	RB Size	RB Offset	Power Low CH./Freq.	Power Middle CH./Freq.	Power High CH./Freq.
Channel				18700	18900	19100
Frequency(MHz)				1860	1880	1900
20	QPSK	1	0	21.48	21.58	21.30
20	QPSK	1	50	21.29	20.99	20.99
20	QPSK	1	99	21.00	21.47	21.32
20	QPSK	50	0	21.03	21.02	20.83
20	QPSK	50	24	20.73	20.42	20.55
20	QPSK	50	50	20.59	21.01	20.73
20	QPSK	100	0	20.37	20.37	20.31
20	16QAM	1	0	20.62	20.75	20.33
20	16QAM	1	50	20.46	20.06	20.12
20	16QAM	1	99	20.17	20.49	20.32
20	16QAM	50	0	20.09	20.06	19.92
20	16QAM	50	24	19.88	19.55	19.65
20	16QAM	50	50	19.63	20.15	19.86
20	16QAM	100	0	19.39	19.40	19.38
Channel				18675	18900	19125
Frequency(MHz)				1857.5	1880	1902.5
15	QPSK	1	0	21.30	21.53	21.25
15	QPSK	1	38	21.29	20.99	20.96
15	QPSK	1	75	21.37	21.46	20.29
15	QPSK	36	0	20.76	20.96	20.70
15	QPSK	36	18	20.87	20.42	20.37
15	QPSK	36	75	20.97	20.98	19.77
15	QPSK	75	0	20.25	20.39	20.03
15	16QAM	1	0	20.50	20.60	20.29
15	16QAM	1	38	20.45	20.03	20.13
15	16QAM	1	75	20.43	20.62	19.44
15	16QAM	36	0	19.88	20.09	19.75
15	16QAM	36	18	19.91	19.61	19.53
15	16QAM	36	75	20.03	20.14	18.96
15	16QAM	75	0	19.31	19.42	19.04
Channel				18650	18900	19150
Frequency(MHz)				1855	1880	1905
10	QPSK	1	0	21.15	21.22	21.04
10	QPSK	1	13	21.45	21.17	21.17
10	QPSK	1	24	21.28	21.24	21.15
10	QPSK	12	0	20.62	20.82	20.50
10	QPSK	12	6	20.90	20.75	20.62
10	QPSK	12	13	20.68	20.67	20.67
10	QPSK	25	0	20.06	20.13	19.91
10	16QAM	1	0	20.33	20.37	20.13
10	16QAM	1	13	20.48	20.34	20.20
10	16QAM	1	24	20.33	20.39	20.28
10	16QAM	12	0	19.77	19.93	19.64
10	16QAM	12	6	20.07	19.84	19.66
10	16QAM	12	13	19.78	19.85	19.81
10	16QAM	25	0	19.25	19.15	19.03



Channel				18625	18900	19175
Frequency(MHz)				1852.5	1880	1907.5
5	QPSK	1	0	21.58	21.74	21.59
5	QPSK	1	13	21.33	21.07	21.03
5	QPSK	1	24	21.74	21.81	21.56
5	QPSK	12	0	21.02	21.29	21.01
5	QPSK	12	6	20.86	20.54	20.61
5	QPSK	12	13	21.22	21.41	20.98
5	QPSK	25	0	20.47	20.74	20.49
5	16QAM	1	0	20.64	20.85	20.69
5	16QAM	1	13	20.41	20.22	20.17
5	16QAM	1	24	20.74	21.00	20.61
5	16QAM	12	0	20.13	20.30	20.01
5	16QAM	12	6	20.03	19.72	19.67
5	16QAM	12	13	20.26	20.52	20.12
5	16QAM	25	0	19.64	19.87	19.56
Channel				18615	18900	19185
Frequency(MHz)				1851.5	1880	1908.5
3	QPSK	1	0	21.43	21.37	21.19
3	QPSK	1	8	21.32	21.08	20.98
3	QPSK	1	14	21.56	21.26	21.25
3	QPSK	8	0	20.54	21.14	20.19
3	QPSK	8	4	20.63	20.26	20.22
3	QPSK	8	8	20.49	20.31	20.21
3	QPSK	15	0	20.26	19.99	19.97
3	16QAM	1	0	20.51	20.51	20.32
3	16QAM	1	8	20.35	20.11	20.11
3	16QAM	1	14	20.75	20.35	20.38
3	16QAM	8	0	19.94	20.10	19.83
3	16QAM	8	4	19.94	19.83	19.68
3	16QAM	8	8	20.27	19.76	19.82
3	16QAM	15	0	19.58	19.48	19.34
Channel				18607	18900	19193
Frequency(MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	21.46	21.35	21.17
1.4	QPSK	1	3	21.45	21.09	21.00
1.4	QPSK	1	5	21.71	21.36	21.38
1.4	QPSK	3	0	21.26	21.13	20.94
1.4	QPSK	3	1	21.27	20.98	20.82
1.4	QPSK	3	3	21.30	21.23	21.22
1.4	QPSK	6	0	20.67	20.21	20.27
1.4	16QAM	1	0	20.83	20.11	20.95
1.4	16QAM	1	3	19.75	19.59	19.53
1.4	16QAM	1	5	20.44	20.44	20.17
1.4	16QAM	3	0	20.35	19.95	20.15
1.4	16QAM	3	1	19.54	19.48	19.39
1.4	16QAM	3	3	20.14	20.23	19.92
1.4	16QAM	6	0	19.55	19.30	19.23



LTE Band 4

BW(MHz)	Modulation	RB Size	RB Offset	Power Low CH./Freq.	Power Middle CH./Freq.	Power High CH./Freq.
Channel				20050	20175	20300
Frequency(MHz)				1720	1732.5	1745
20	QPSK	1	0	22.94	22.91	22.84
20	QPSK	1	50	22.78	22.73	22.66
20	QPSK	1	99	22.86	22.80	22.75
20	QPSK	50	0	21.71	21.75	21.55
20	QPSK	50	24	21.75	21.65	21.51
20	QPSK	50	50	21.68	21.72	21.73
20	QPSK	100	0	21.14	21.19	20.99
20	16QAM	1	0	22.02	21.98	21.88
20	16QAM	1	50	21.86	21.79	21.71
20	16QAM	1	99	21.94	21.93	21.78
20	16QAM	50	0	20.88	20.79	20.65
20	16QAM	50	24	20.77	20.69	20.62
20	16QAM	50	50	20.80	20.72	20.73
20	16QAM	100	0	20.34	20.27	20.06
Channel				20025	20175	20325
Frequency(MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	22.74	22.46	22.39
15	QPSK	1	38	22.69	22.49	22.54
15	QPSK	1	75	22.89	22.88	22.73
15	QPSK	36	0	21.67	21.41	21.25
15	QPSK	36	18	21.54	21.34	21.54
15	QPSK	36	75	21.68	21.74	21.66
15	QPSK	75	0	21.08	20.84	20.67
15	16QAM	1	0	21.89	21.54	21.39
15	16QAM	1	38	21.83	21.50	21.55
15	16QAM	1	75	22.01	21.93	21.75
15	16QAM	36	0	20.77	20.57	20.28
15	16QAM	36	18	20.60	20.44	20.59
15	16QAM	36	75	20.74	20.91	20.70
15	16QAM	75	0	20.14	19.96	19.82
Channel				20000	20175	20350
Frequency(MHz)				1715	1732.5	1750
10	QPSK	1	0	22.89	22.78	22.73
10	QPSK	1	13	21.81	21.68	21.79
10	QPSK	1	24	22.88	22.76	22.65
10	QPSK	25	0	21.82	21.64	21.65
10	QPSK	25	6	20.79	20.46	20.64
10	QPSK	25	13	21.84	21.73	21.62
10	QPSK	50	0	21.30	21.09	21.09
10	16QAM	1	0	22.00	21.90	21.85
10	16QAM	1	13	20.90	20.70	20.82
10	16QAM	1	24	22.06	21.76	21.81
10	16QAM	25	0	20.92	20.66	20.75
10	16QAM	25	6	19.96	19.59	19.81
10	16QAM	25	13	20.85	20.81	20.77
10	16QAM	50	0	20.46	20.15	20.13



Channel				19975	20175	20375
Frequency(MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	23.07	23.18	23.00
5	QPSK	1	13	22.56	22.46	22.48
5	QPSK	1	24	23.11	23.11	22.99
5	QPSK	12	0	21.91	22.18	21.72
5	QPSK	12	6	21.53	21.23	21.44
5	QPSK	12	13	22.07	22.09	21.99
5	QPSK	25	0	21.41	21.67	21.18
5	16QAM	1	0	22.21	22.35	22.16
5	16QAM	1	13	21.64	21.46	21.64
5	16QAM	1	24	22.19	22.19	22.07
5	16QAM	12	0	21.03	21.33	20.77
5	16QAM	12	6	20.61	20.36	20.46
5	16QAM	12	13	21.17	21.16	21.07
5	16QAM	25	0	20.54	20.85	20.20
Channel				19965	20175	20385
Frequency(MHz)				1711.5	1732.5	1753.5
3	QPSK	1	0	22.82	22.79	22.69
3	QPSK	1	8	22.59	22.4	22.45
3	QPSK	1	14	22.81	22.77	22.59
3	QPSK	6	0	21.67	21.76	21.46
3	QPSK	6	4	21.33	21.15	21.16
3	QPSK	6	8	21.70	21.71	21.41
3	QPSK	15	0	21.11	21.25	20.95
3	16QAM	1	0	21.98	21.93	21.82
3	16QAM	1	8	21.70	21.52	21.53
3	16QAM	1	14	21.86	21.94	21.63
3	16QAM	6	0	20.81	20.89	20.51
3	16QAM	6	4	20.52	20.28	20.31
3	16QAM	6	8	20.87	20.91	20.56
3	16QAM	15	0	20.12	20.29	20.08
Channel				19957	20175	20393
Frequency(MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	22.92	22.88	22.85
1.4	QPSK	1	3	22.61	22.49	22.54
1.4	QPSK	1	5	22.89	22.79	22.82
1.4	QPSK	3	0	21.68	21.68	21.83
1.4	QPSK	3	1	21.43	21.48	21.31
1.4	QPSK	3	3	21.89	21.76	21.64
1.4	QPSK	6	0	21.13	21.10	21.28
1.4	16QAM	1	0	22.03	21.88	22.02
1.4	16QAM	1	3	21.72	21.65	21.57
1.4	16QAM	1	5	22.05	21.83	21.85
1.4	16QAM	3	0	20.83	20.77	20.98
1.4	16QAM	3	1	20.44	20.52	20.32
1.4	16QAM	3	3	20.95	20.84	20.79
1.4	16QAM	6	0	20.18	20.16	20.38



LTE Band 12

Channel				20800	21100	21400
Frequency(MHz)				2505	2535	2565
10	QPSK	1	0	22.40	22.65	21.99
10	QPSK	1	13	21.70	21.67	21.57
10	QPSK	1	24	21.66	22.35	21.98
10	QPSK	25	0	21.34	21.54	20.77
10	QPSK	25	6	20.41	20.45	20.35
10	QPSK	25	13	20.48	21.19	20.78
10	QPSK	50	0	20.77	21.04	20.18
10	16QAM	1	0	21.43	21.83	21.05
10	16QAM	1	13	20.77	20.81	20.66
10	16QAM	1	24	20.85	21.51	21.15
10	16QAM	25	0	20.53	20.70	19.91
10	16QAM	25	6	19.43	19.62	19.36
10	16QAM	25	13	19.54	20.30	19.92
10	16QAM	50	0	19.97	20.15	19.36
Channel				20775	21100	21425
Frequency(MHz)				2502.5	2535	2567.5
5	QPSK	1	0	21.94	22.21	21.99
5	QPSK	1	13	21.95	22.00	21.84
5	QPSK	1	24	22.20	21.44	21.92
5	QPSK	12	0	21.47	21.80	21.44
5	QPSK	12	6	21.43	21.51	21.38
5	QPSK	12	13	21.78	20.91	21.38
5	QPSK	25	0	20.81	21.20	20.94
5	16QAM	1	0	20.94	21.28	21.03
5	16QAM	1	13	21.06	21.10	20.86
5	16QAM	1	24	21.34	20.48	20.96
5	16QAM	12	0	20.52	20.90	20.62
5	16QAM	12	6	20.63	20.56	20.55
5	16QAM	12	13	20.82	19.97	20.56
5	16QAM	25	0	20.00	20.27	19.98
Channel				20775	21100	21425
Frequency(MHz)				2502.5	2535	2567.5
3	QPSK	1	0	20.74	22.37	22.30
3	QPSK	1	7	21.93	21.89	21.83
3	QPSK	1	14	22.10	21.96	21.88
3	QPSK	8	0	19.71	21.35	21.21
3	QPSK	8	4	20.92	20.83	20.83
3	QPSK	8	7	20.84	20.89	20.73
3	QPSK	15	0	19.19	20.84	20.66
3	16QAM	1	0	19.81	21.39	21.46
3	16QAM	1	7	21.08	21.07	20.85
3	16QAM	1	14	21.19	21.05	21.00
3	16QAM	8	0	19.46	21.04	20.87
3	16QAM	8	4	20.52	20.43	20.35
3	16QAM	8	7	20.73	20.59	20.48
3	16QAM	15	0	18.72	20.22	20.25



Channel				20775	21100	21425
Frequency(MHz)				2502.5	2535	2567.5
1.4	QPSK	1	0	21.92	22.10	22.05
1.4	QPSK	1	2	22.13	21.77	21.72
1.4	QPSK	1	5	22.41	22.03	21.99
1.4	QPSK	3	0	20.91	20.95	20.76
1.4	QPSK	3	1	20.86	20.49	20.48
1.4	QPSK	3	2	21.31	21.01	20.83
1.4	QPSK	6	0	20.33	20.37	20.19
1.4	16QAM	1	0	21.11	21.17	21.20
1.4	16QAM	1	2	21.16	20.86	20.89
1.4	16QAM	1	5	21.58	21.09	21.05
1.4	16QAM	3	0	19.91	19.97	19.80
1.4	16QAM	3	1	20.00	19.53	19.50
1.4	16QAM	3	2	20.44	20.03	19.89
1.4	16QAM	6	0	19.40	19.44	19.34

LTE Band 17

BW(MHz)	Modulation	RB Size	RB Offset	Power Low CH./Freq.	Power Middle CH./Freq.	Power High CH./Freq.
Channel				23780	23790	23800
Frequency(MHz)				709	710	711
10	QPSK	1	0	21.25	21.26	20.97
10	QPSK	1	13	20.88	20.89	20.76
10	QPSK	1	24	21.15	21.05	20.64
10	QPSK	25	0	20.13	20.03	19.94
10	QPSK	25	6	19.83	19.95	20.03
10	QPSK	25	13	20.20	20.22	20.17
10	QPSK	50	0	19.49	19.73	19.59
10	16QAM	1	0	20.35	20.41	20.00
10	16QAM	1	13	19.98	19.93	19.85
10	16QAM	1	24	20.29	20.22	19.67
10	16QAM	25	0	19.87	19.82	19.70
10	16QAM	25	6	19.50	19.47	19.24
10	16QAM	25	13	19.86	19.66	19.22
10	16QAM	50	0	19.27	19.10	18.94
Channel				23755	23790	23825
Frequency(MHz)				706.5	710	713.5
5	QPSK	1	0	22.79	22.46	22.28
5	QPSK	1	13	21.86	21.58	21.67
5	QPSK	1	24	22.42	22.55	21.98
5	QPSK	12	0	21.10	21.71	20.93
5	QPSK	12	6	20.89	21.83	20.90
5	QPSK	12	13	21.02	21.18	20.91
5	QPSK	25	0	20.83	20.84	20.75
5	16QAM	1	0	21.45	21.34	20.88
5	16QAM	1	13	21.17	20.83	20.85
5	16QAM	1	24	20.98	21.27	20.61
5	16QAM	12	0	20.08	19.73	19.87
5	16QAM	12	6	19.83	19.83	19.89
5	16QAM	12	13	19.92	20.17	19.75
5	16QAM	25	0	19.18	19.49	19.59

**Turn Power**

Mode	GSM850(AVG)	GSM1900(AVG)
GSM/PCS	26.0±1dBm	23.5±1dBm
GPRS (1 Slot)	26.0±1dBm	23.0±1dBm
GPRS (2 Slot)	25.0±1dBm	22.0±1dBm
GPRS (3 Slot)	23.0±1dBm	20.0±1dBm
GPRS (4 Slot)	22.0±1dBm	19.0±1dBm
EDGE (1 Slot)	26.0±1dBm	23.0±1dBm
EDGE (2 Slot)	25.0±1dBm	22.5±1dBm
EDGE (3 Slot)	23.0±1dBm	20.0±1dBm
EDGE (4 Slot)	22.0±1dBm	19.0±1dBm

Mode	WCDMA Band V(AVG)	WCDMA Band IV(AVG)	WCDMA Band II(AVG)
RMC	19.5±1dBm	21.5±1dBm	19.0±1dBm
HSDPA Subtest-1	19.5±1dBm	20.5±1dBm	18.5±1dBm
HSDPA Subtest-2	18.5±1dBm	20.0±1dBm	17.5±1dBm
HSDPA Subtest-3	17.5±1dBm	19.5±1dBm	17.5±1dBm
HSDPA Subtest-4	17.0±1dBm	18.5±1dBm	16.5±1dBm
HSUPA Subtest-1	19.5±1dBm	21.0±1dBm	18.5±1dBm
HSUPA Subtest-2	18.5±1dBm	20.0±1dBm	18.0±1dBm
HSUPA Subtest-3	18.0±1dBm	19.5±1dBm	17.0±1dBm
HSUPA Subtest-4	17.0±1dBm	18.5±1dBm	16.5±1dBm
HSUPA Subtest-5	16.5±1dBm	18.0±1dBm	16.0±1dBm

Mode	WIFI
IEEE 802.11b	8.0±1dBm
IEEE 802.11g	9.0±1dBm
IEEE 802.11n(HT 20)	6±1dBm
IEEE 802.11n(HT 40)	3.0±1dBm

Mode	BT
GFSK	-7±1dBm
$\pi/4$ -DQPSK	-8±1dBm
8DPSK	-7±1dBm

Mode	BT 4.0
GFSK	-14±1dBm



LTE

BW[MHz]	RB Size	Mode	Band 2	Band 4	Band 12	Band 17
1.4	1	QPSK	21±1dBm	22±1dBm	22±1dBm	N/A
1.4	3		21±1dBm	21±1dBm	21±1dBm	N/A
1.4	6		20±1dBm	21±1dBm	20±1dBm	N/A
1.4	1	16-QAM	20±1dBm	22±1dBm	21±1dBm	N/A
1.4	3		20±1dBm	20±1dBm	20±1dBm	N/A
1.4	6		19±1dBm	20±1dBm	19±1dBm	N/A
3	1	QPSK	21±1dBm	22±1dBm	21.5±1dBm	N/A
3	6		21±1dBm	21±1dBm	20.5±1dBm	N/A
3	15		20±1dBm	21±1dBm	20±1dBm	N/A
3	1	16-QAM	20±1dBm	21±1dBm	20.5±1dBm	N/A
3	6		20±1dBm	20±1dBm	20±1dBm	N/A
3	15		19±1dBm	20±1dBm	19.5±1dBm	N/A
5	1	QPSK	21±1dBm	23±1dBm	22±1dBm	22±1dBm
5	12		21±1dBm	22±1dBm	21±1dBm	21±1dBm
5	25		20±1dBm	21±1dBm	20±1dBm	20±1dBm
5	1	16-QAM	20±1dBm	22±1dBm	21±1dBm	21±1dBm
5	12		20±1dBm	21±1dBm	20±1dBm	20±1dBm
5	25		19±1dBm	20±1dBm	20±1dBm	19±1dBm
10	1	QPSK	21±1dBm	22±1dBm	22±1dBm	21±1dBm
10	25		20±1dBm	22±1dBm	21±1dBm	20±1dBm
10	50		20±1dBm	21±1dBm	21±1dBm	19±1dBm
10	1	16-QAM	20±1dBm	22±1dBm	22±1dBm	20±1dBm
10	25		20±1dBm	20±1dBm	20±1dBm	19±1dBm
10	50		19±1dBm	20±1dBm	20±1dBm	19±1dBm
15	1	QPSK	21±1dBm	22±1dBm	N/A	N/A
15	36		20±1dBm	21±1dBm	N/A	N/A
15	75		20±1dBm	21±1dBm	N/A	N/A
15	1	16-QAM	20±1dBm	22±1dBm	N/A	N/A
15	36		20±1dBm	20±1dBm	N/A	N/A
15	75		19±1dBm	20±1dBm	N/A	N/A
20	1	QPSK	21±1dBm	22±1dBm	N/A	N/A
20	50		21±1dBm	21±1dBm	N/A	N/A
20	100		20±1dBm	21±1dBm	N/A	N/A
20	1	16-QAM	20±1dBm	22±1dBm	N/A	N/A
20	50		20±1dBm	20±1dBm	N/A	N/A
20	100		19±1dBm	20±1dBm	N/A	N/A

11. EUT And Test Setup Photo

11.1 EUT Photo

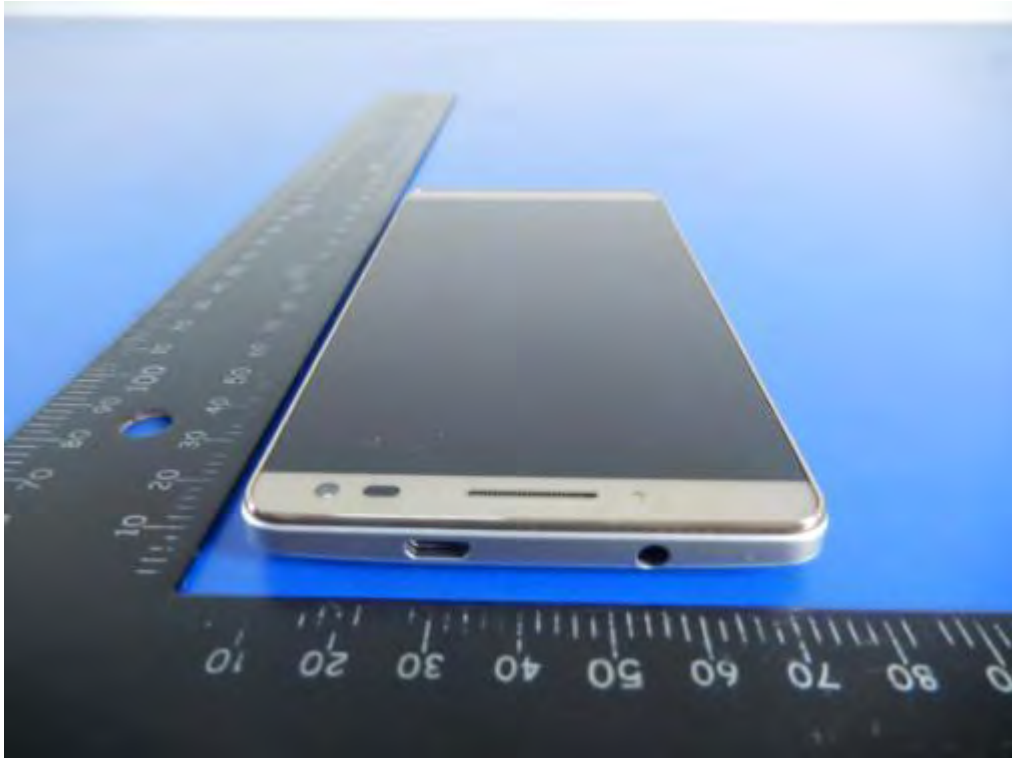
Front side



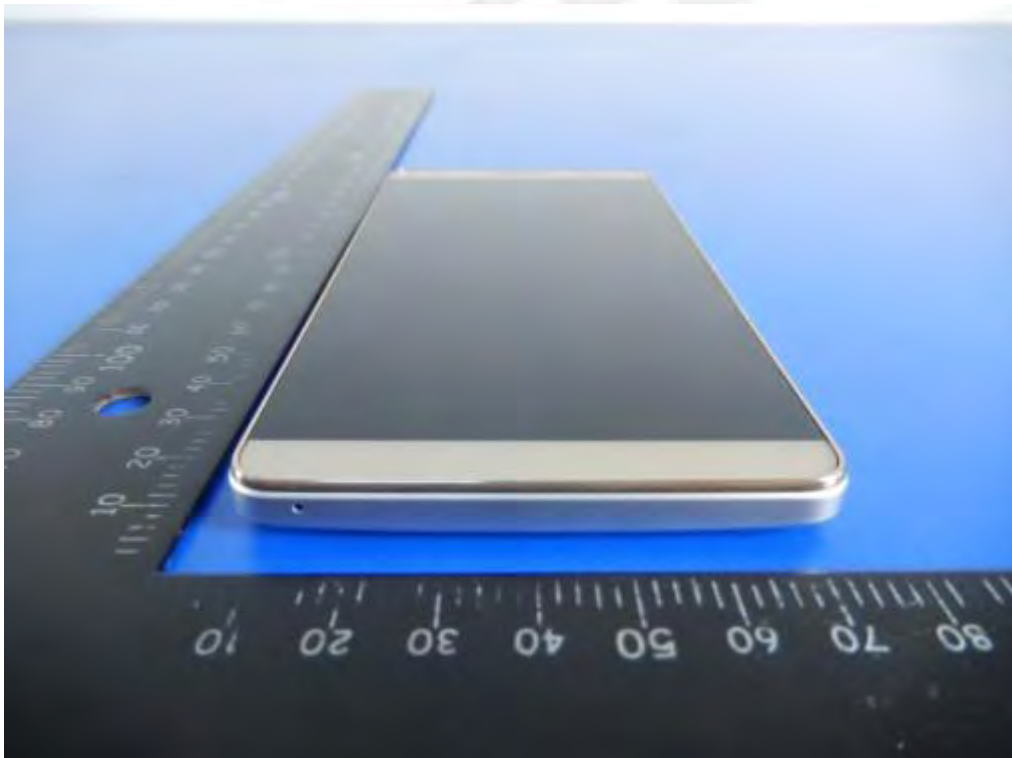
Back side



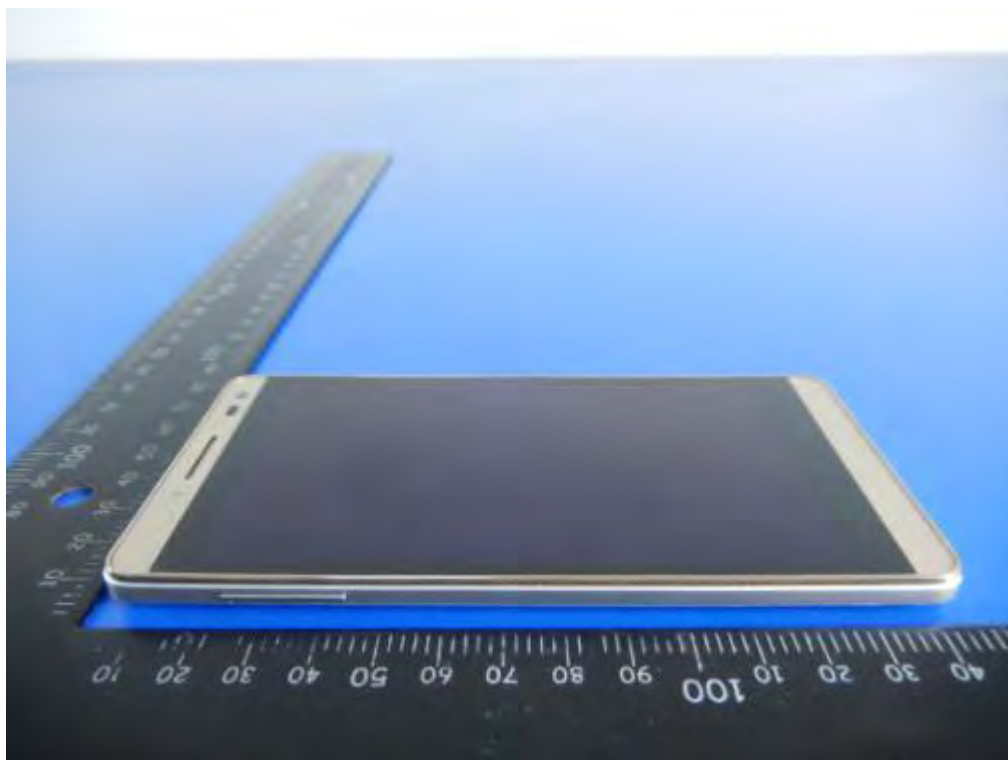
Top side



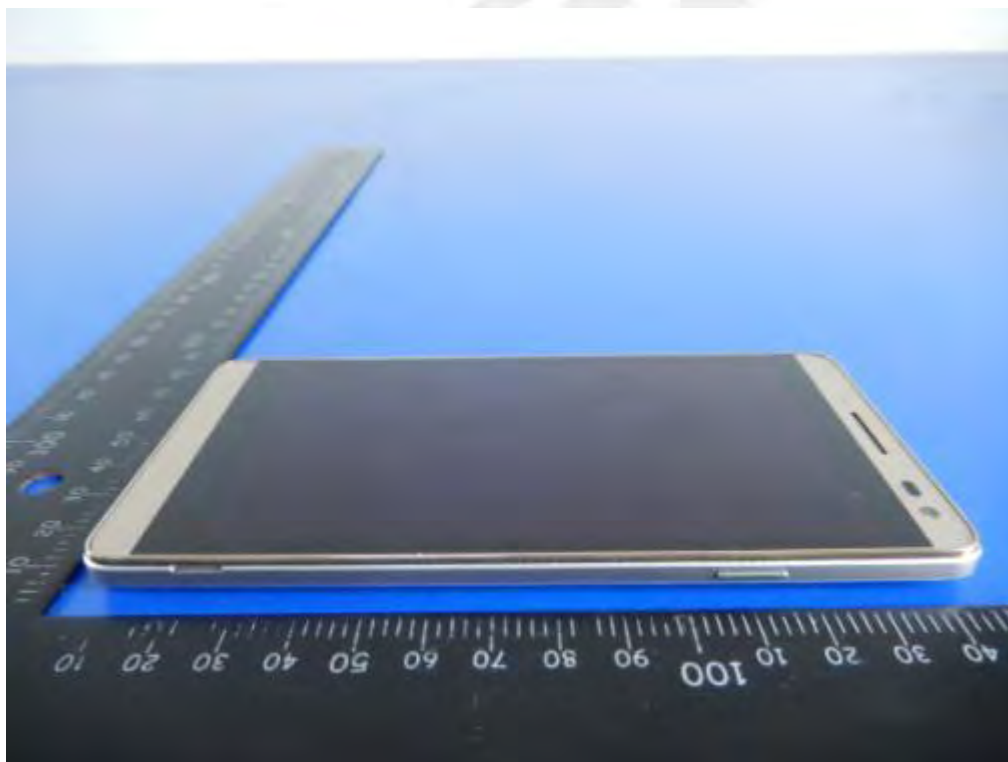
Bottom side



Left side

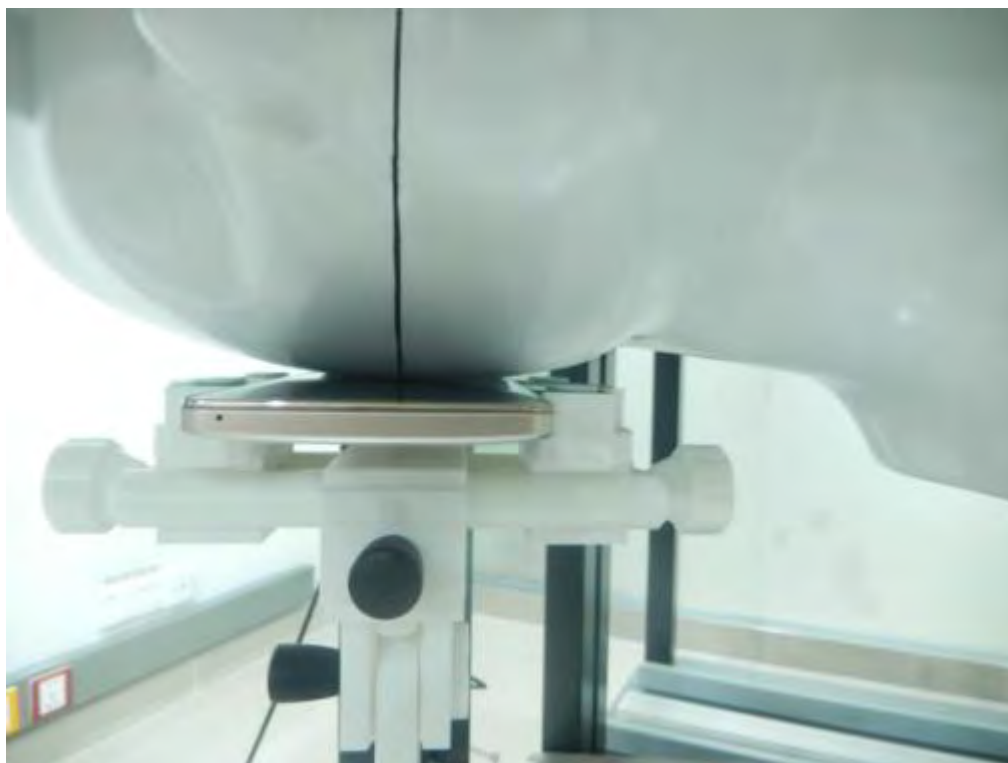


Right side

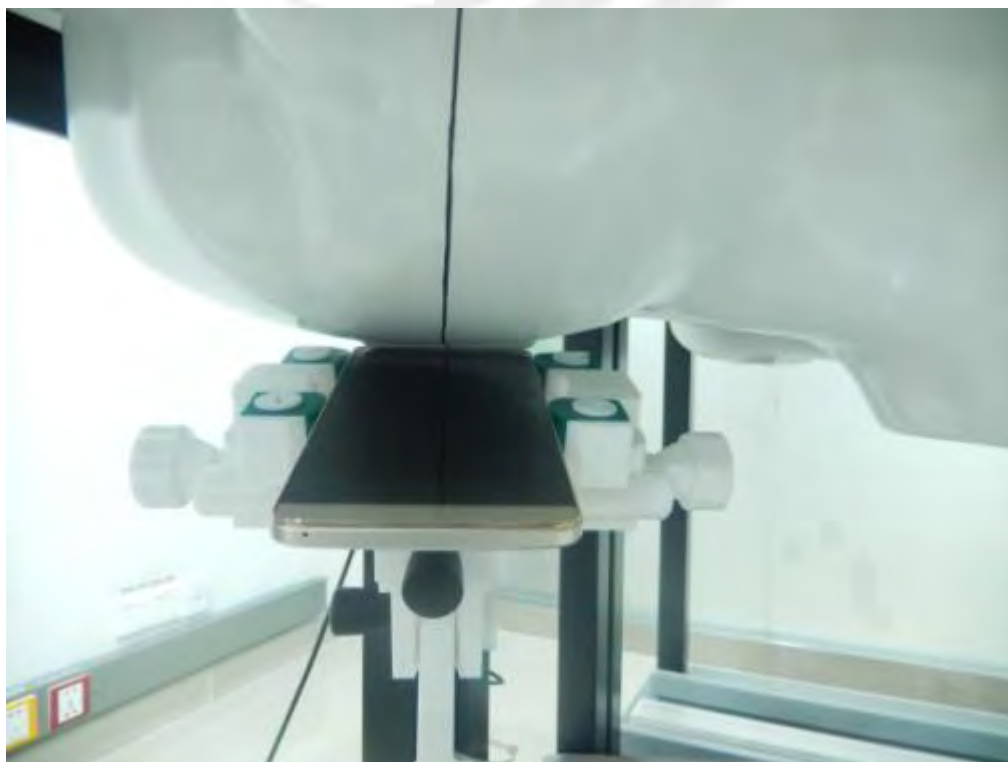


11.2 Setup Photo

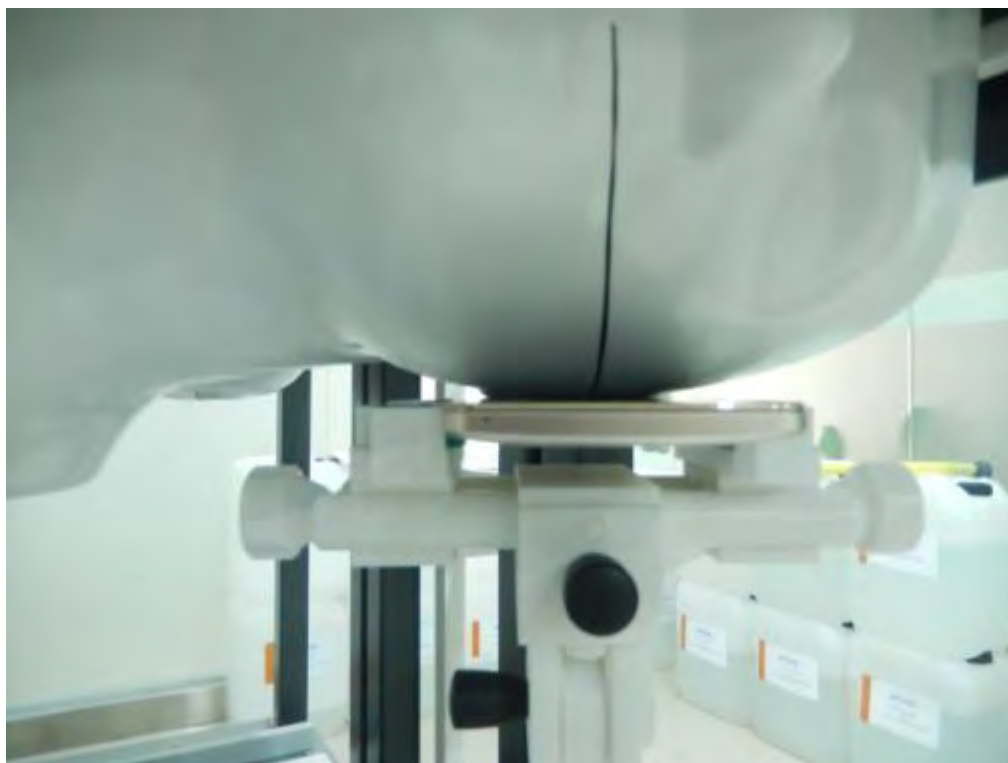
Right Touch



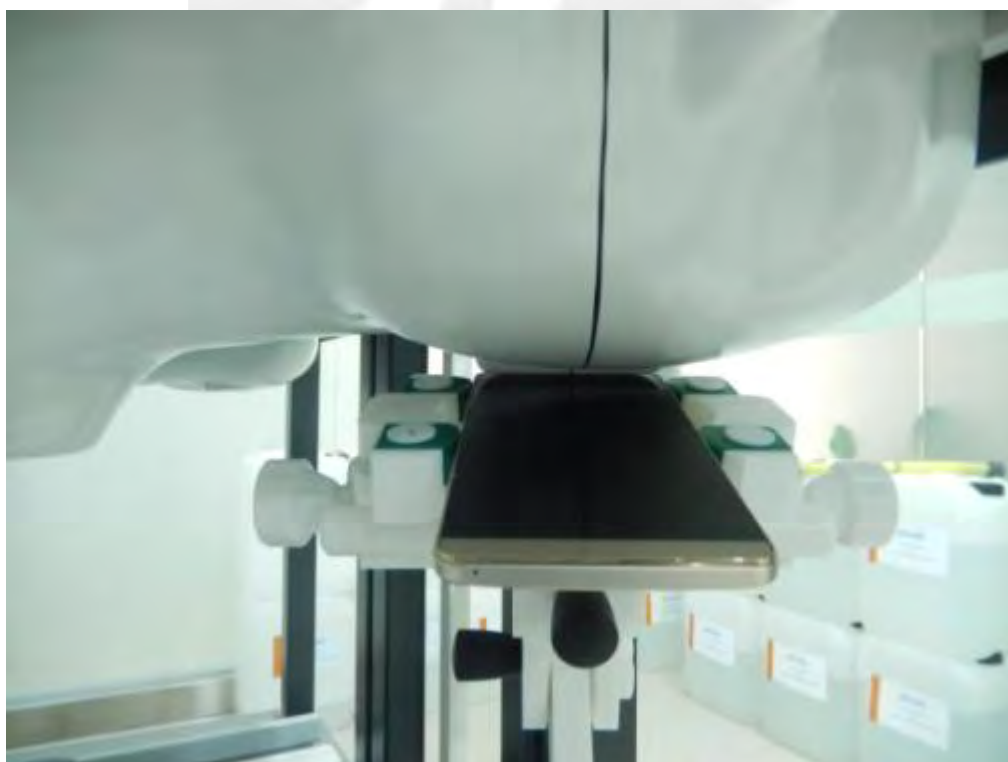
Right Tilt



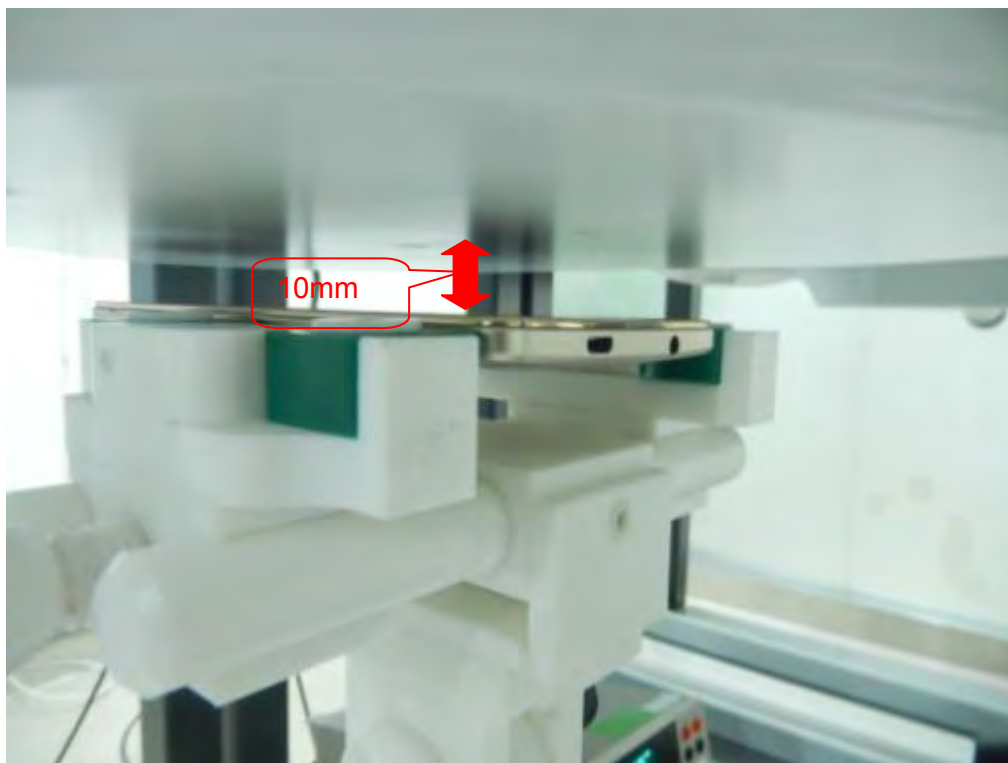
Left Touch



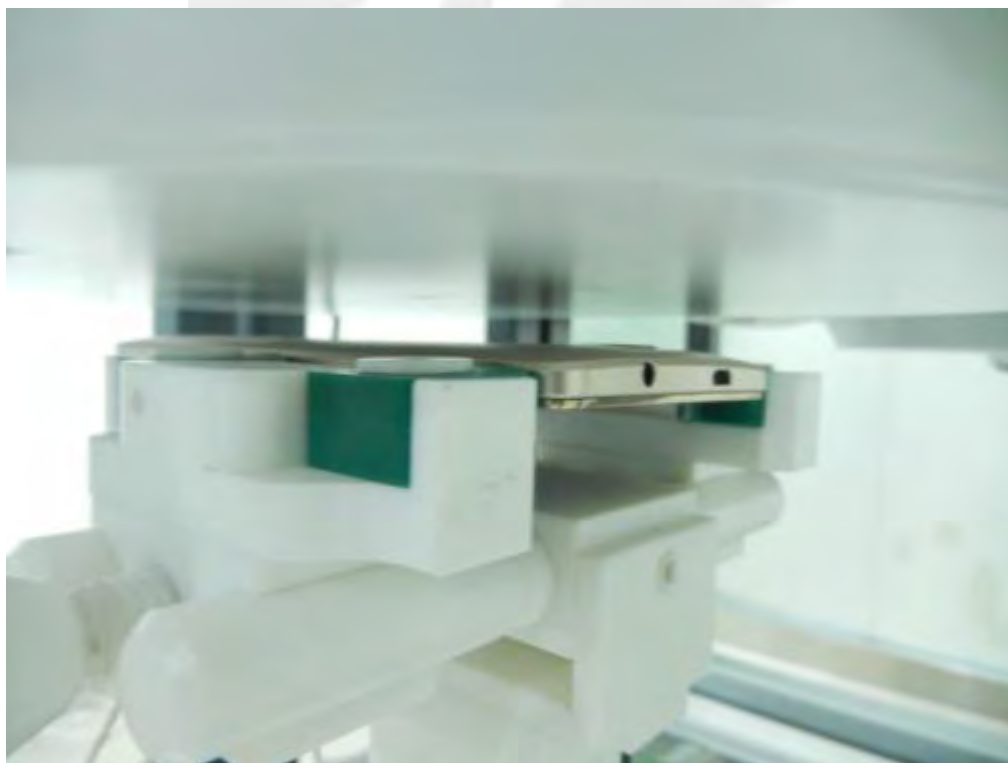
Left Tilt



Body Front side



Body Back side



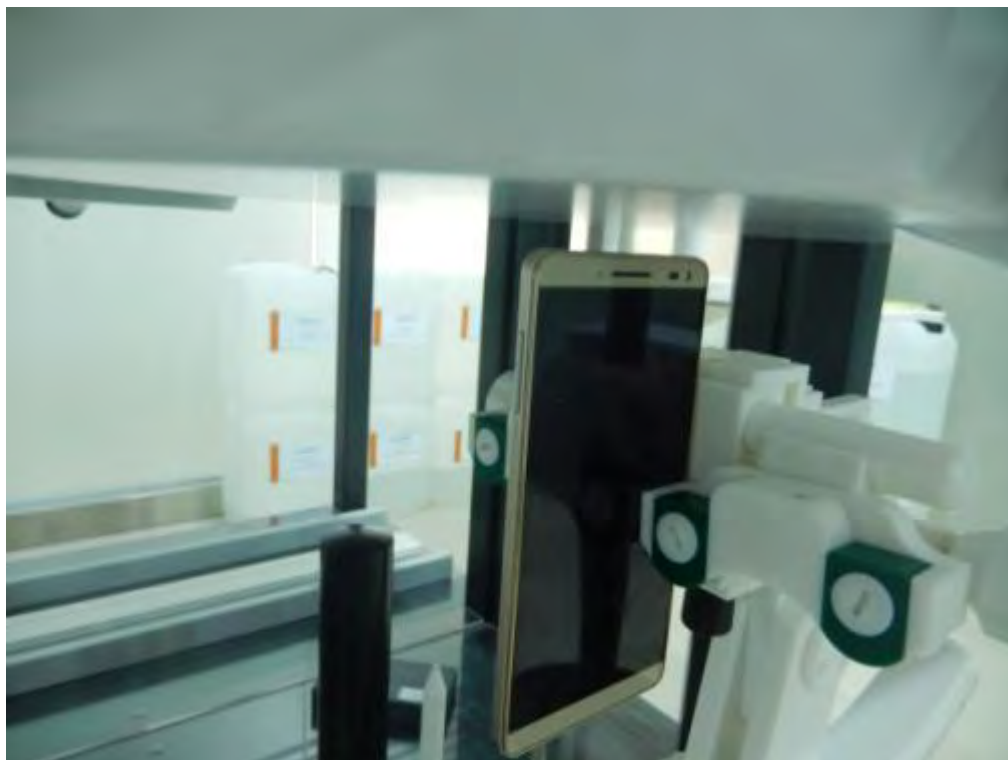
Body left side



Body right side



Body top side



Body Bottom side



Liquid depth (15 cm)





12. SAR Result Summary

12.1 Head SAR

Band	Mode	Test Position	Channel	Result 1g (W/Kg)	Power Drift(%)	Max.Turn-up Power(dBm)	Meas.Output Power(dBm)	Scaled SAR (W/Kg)	Meas. No.
GSM 850	Voice	Right Cheek	CH 251	0.059	2.66	27	26.89	0.061	1
		Right Tilt	CH 251	0.037	0.11	27	26.89	0.038	2
		Left Cheek	CH 251	0.066	-2.01	27	26.89	0.068	3
		Left Tilt	CH 251	0.047	2.81	27	26.89	0.048	4
GSM1900	Voice	Right Cheek	CH 810	0.055	0.47	24.5	24.05	0.061	10
		Right Tilt	CH 810	0.020	3.89	24.5	24.05	0.022	11
		Left Cheek	CH 810	0.077	3.91	24.5	24.05	0.085	12
		Left Tilt	CH 810	0.037	2.76	24.5	24.05	0.041	13
WCDMA II	RMC	Right Cheek	CH 9263	0.207	3.47	20	19.54	0.230	19
		Right Tilt	CH 9263	0.130	0.40	20	19.54	0.145	20
		Left Cheek	CH 9263	0.200	0.59	20	19.54	0.222	21
		Left Tilt	CH 9263	0.096	-0.09	20	19.54	0.107	22
WCDMA IV	RMC	Right Cheek	CH 1512	0.151	0.30	22.5	22.44	0.153	28
		Right Tilt	CH 1512	0.104	0.87	22.5	22.44	0.105	29
		Left Cheek	CH 1512	0.163	0.13	22.5	22.44	0.165	30
		Left Tilt	CH 1512	0.061	1.74	22.5	22.44	0.062	31
WCDMA V	RMC	Right Cheek	CH4132	0.148	-4.93	20.5	20.17	0.160	37
		Right Tilt	CH4132	0.108	-2.41	20.5	20.17	0.117	38
		Left Cheek	CH4132	0.176	0.56	20.5	20.17	0.190	39
		Left Tilt	CH4132	0.120	0.36	20.5	20.17	0.129	40



Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Ch.	Result 1g (W/Kg)	Power Drift(%)	Max. Turn-up Power(dBm)	Meas. Output Power(dBm)	Scaled SAR (W/Kg)	Meas. No.
LTE Band 2	20M	QPSK	1	0	Right Cheek	18900	0.302	3.40	22	21.58	0.333	46
			50	0	Right Cheek	18900	0.237	-0.28	22	21.03	0.296	/
			1	0	Right Tilt	18900	0.125	-0.52	22	21.58	0.138	47
			50	0	Right Tilt	18900	0.099	-0.29	22	21.03	0.124	/
			1	0	Left Cheek	18900	0.244	2.29	22	21.58	0.269	48
			50	0	Left Cheek	18900	0.211	0.46	22	21.03	0.264	/
			1	0	Left Tilt	18900	0.102	-0.31	22	21.58	0.112	/
			50	0	Left Tilt	18900	0.114	-0.03	22	21.03	0.143	49
LTE Band 4	20M	QPSK	1	0	Right Cheek	20050	0.352	-1.17	23	22.94	0.357	55
			50	0	Right Cheek	20050	0.285	-1.60	22	21.75	0.302	/
			1	0	Right Tilt	20050	0.216	-3.26	23	22.94	0.219	56
			50	0	Right Tilt	20050	0.183	-0.51	22	21.75	0.194	/
			1	0	Left Cheek	20050	0.369	-1.80	23	22.94	0.374	57
			50	0	Left Cheek	20050	0.335	4.08	22	21.75	0.355	/
			1	0	Left Tilt	20050	0.163	-0.37	23	22.94	0.165	58
			50	0	Left Tilt	20050	0.143	-1.67	22	21.75	0.151	/

Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Ch.	Result 1g (W/Kg)	Power Drift(%)	Max. Turn-up Power(dBm)	Meas. Output Power(dBm)	Scaled SAR (W/Kg)	Meas. No.
LTE Band 12	10M	QPSK	1	0	Right Cheek	21100	0.125	0.44	23	22.65	0.135	64
			25	0	Right Cheek	21100	0.110	0.27	22	21.54	0.122	/
			1	0	Right Tilt	21100	0.100	0.02	23	22.65	0.108	65
			25	0	Right Tilt	21100	0.089	-0.06	22	21.54	0.099	/
			1	0	Left Cheek	21100	0.136	-0.21	23	22.65	0.147	66
			25	0	Left Cheek	21100	0.113	-0.18	22	21.54	0.126	/
			1	0	Left Tilt	21100	0.089	-0.10	23	22.65	0.096	67
			25	0	Left Tilt	21100	0.087	-1.12	22	21.54	0.097	/
LTE Band 17	10M	QPSK	1	0	Right Cheek	23790	0.148	-0.61	22	21.26	0.175	73
			25	13	Right Cheek	23790	0.135	0.16	21	20.22	0.162	/
			1	0	Right Tilt	23790	0.105	-3.27	22	21.26	0.125	74
			25	13	Right Tilt	23790	0.104	0.09	21	20.22	0.124	/
			1	0	Left Cheek	23790	0.130	0.25	22	21.26	0.154	75
			25	13	Left Cheek	23790	0.130	-0.18	21	20.22	0.156	/
			1	0	Left Tilt	23790	0.109	-1.04	22	21.26	0.129	76
			25	13	Left Tilt	23790	0.106	-0.04	21	20.22	0.127	/

Band	Mode	Test Position	Channel	Result 1g (W/Kg)	Power Drift(%)	Max. Turn-up Power(dBm)	Meas. Output Power(dBm)	Duty cycle(%)	Scaled SAR (W/Kg)	Meas. No.
WIFI	DATA	Right Cheek	CH 1	0.423	-0.48	10	9.90	100	0.433	82
		Right Tilt	CH 1	0.331	-0.62	10	9.90	100	0.339	83
		Left Cheek	CH 1	0.242	-0.61	10	9.90	100	0.248	84
		Left Tilt	CH 1	0.200	-0.22	10	9.90	100	0.205	85



12.2 Body SAR And Hotspot

Band	Mode	Test Position	Channel	Result 1g (W/Kg)	Power Drift(%)	Max.Turn-up Power(dBm)	Meas.Output Power(dBm)	Scaled SAR (W/Kg)	Meas. No.
GSM 850	EGPRS Data-2 Slot (hotspot)	Front side	CH 190	0.463	0.77	26	25.85	0.479	5
		Back side	CH 190	0.585	-0.42	26	25.85	0.606	6
		Left side	CH 190	0.480	-3.25	26	25.85	0.497	7
		Right side	CH 190	0.275	-4.54	26	25.85	0.285	8
		Bottom side	CH 190	0.136	-0.09	26	25.85	0.141	9
GSM1900	EGPRS Data-2 Slot (hotspot)	Front side	CH 661	0.572	-0.62	23.5	23.15	0.620	14
		Back side	CH 661	0.561	-1.44	23.5	23.15	0.608	15
		Left side	CH 661	0.164	-0.17	23.5	23.15	0.178	16
		Right side	CH 661	0.126	-1.00	23.5	23.15	0.137	17
		Bottom side	CH 661	0.678	-3.68	23.5	23.15	0.735	18
WCDMA II	RMC (body-worn and hotspot)	Front side	CH9263	0.570	0.62	20	19.54	0.634	23
		Back side	CH9263	0.585	-0.12	20	19.54	0.650	24
		Left side	CH9263	0.139	-0.40	20	19.54	0.155	25
		Right side	CH9263	0.172	-0.29	20	19.54	0.191	26
		Bottom side	CH9263	0.712	-0.81	20	19.54	0.792	27
WCDMA IV	RMC (body-worn and hotspot)	Front side	CH1512	0.452	-0.39	22.5	22.44	0.458	32
		Back side	CH1512	0.357	0.06	22.5	22.44	0.362	33
		Left side	CH1512	0.152	3.55	22.5	22.44	0.154	34
		Right side	CH1512	0.157	-0.43	22.5	22.44	0.159	35
		Bottom side	CH1512	0.510	-0.31	22.5	22.44	0.517	36
WCDMA V	RMC (body-worn and hotspot)	Front side	CH4132	0.161	-0.05	22	21.03	0.201	41
		Back side	CH4132	0.194	-1.20	22	21.03	0.243	42
		Left side	CH4132	0.160	1.11	22	21.03	0.200	43
		Right side	CH4132	0.090	0.21	22	21.03	0.113	44
		Bottom side	CH4132	0.059	-0.51	22	21.03	0.074	45



Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Ch.	Result 1g (W/Kg)	Power Drift(%)	Max. Turn-up Power(dBm)	Meas. Output Power(dBm)	Scaled SAR (W/Kg)	Meas. No.
LTE Band 2	20M	QPSK	1	0	Front	18900	0.253	-0.85	22	21.58	0.279	50
			50	0	Front	18900	0.251	-0.55	22	21.03	0.314	/
			1	0	Back	18900	0.239	1.40	22	21.58	0.263	51
			50	0	Back	18900	0.230	-0.48	22	21.03	0.288	/
			1	0	Left Side	18900	0.236	-0.30	22	21.58	0.260	52
			50	0	Left Side	18900	0.230	4.04	22	21.03	0.288	/
			1	0	Right Side	18900	0.218	0.05	22	21.58	0.240	/
			50	0	Right Side	18900	0.231	0.18	22	21.03	0.289	53
			1	0	Bottom Side	18900	0.336	4.59	22	21.58	0.370	/
			50	0	Bottom Side	18900	0.424	4.43	22	21.03	0.530	54
Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Ch.	Result 1g (W/Kg)	Power Drift(%)	Max. Turn-up Power(dBm)	Meas. Output Power(dBm)	Scaled SAR (W/Kg)	Meas. No.
LTE Band 4	20M	QPSK	1	0	Front	20050	0.184	-0.55	23	22.94	0.187	/
			50	0	Front	20050	0.193	-0.40	22	21.75	0.204	59
			1	0	Back	20050	0.183	-0.22	23	22.94	0.186	60
			50	0	Back	20050	0.160	-0.33	22	21.75	0.169	/
			1	0	Left Side	20050	0.209	-3.42	23	22.94	0.212	61
			50	0	Left Side	20050	0.206	-0.44	22	21.75	0.218	/
			1	0	Right Side	20050	0.237	-0.66	23	22.94	0.240	62
			50	0	Right Side	20050	0.103	0.10	22	21.75	0.109	/
			1	0	Bottom Side	20050	0.420	-0.41	23	22.94	0.426	63
			50	0	Bottom Side	20050	0.320	-0.96	22	21.75	0.339	/
LTE Band 12	10M	QPSK	1	0	Front	21100	0.158	-0.47	23	22.65	0.171	68
			25	0	Front	21100	0.135	-0.35	22	21.54	0.150	/
			1	0	Back	21100	0.227	-0.10	23	22.65	0.246	69
			25	0	Back	21100	0.191	-0.22	22	21.54	0.212	/
			1	0	Left Side	21100	0.116	-0.17	23	22.65	0.126	70
			25	0	Left Side	21100	0.103	-1.38	22	21.54	0.115	/
			1	0	Right Side	21100	0.129	0.08	23	22.65	0.140	71
			25	0	Right Side	21100	0.112	-0.58	22	21.54	0.125	/
			1	0	Bottom Side	21100	0.028	0.75	23	22.65	0.030	/
			25	0	Bottom Side	21100	0.030	1.10	22	21.54	0.033	72
LTE Band 17	10M	QPSK	1	0	Front	23790	0.174	-4.34	22	21.26	0.206	77
			25	13	Front	23790	0.166	0.22	21	20.22	0.199	/
			1	0	Back	23790	0.260	-3.28	22	21.26	0.308	78
			25	13	Back	23790	0.220	-0.10	21	20.22	0.263	/
			1	0	Left Side	23790	0.114	-0.16	22	21.26	0.135	/
			25	13	Left Side	23790	0.118	-0.24	21	20.22	0.141	79
			1	0	Right Side	23790	0.122	-1.49	22	21.26	0.145	80
			25	13	Right Side	23790	0.118	0.21	21	20.22	0.141	/
			1	0	Bottom Side	23790	0.029	0.40	22	21.26	0.034	81
			25	13	Bottom Side	23790	0.029	0.61	21	20.22	0.035	/



Band	Mode	Test Position	Channel	Result 1g (W/Kg)	Power Drift(%)	Max.Turn-up Power(dBm)	Meas.Output Power(dBm)	Duty cycle(%)	Scaled SAR (W/Kg)	Meas. No.
WIFI	DATA (body-worn and hotspot)	Front side	CH 1	0.122	-1.63	10	9.90	100	0.125	86
		Back side	CH 1	0.117	1.05	10	9.90	100	0.120	87
		Left side	CH 1	0.069	0.96	10	9.90	100	0.071	88
		Bottom side	CH 1	0.108	-0.03	10	9.90	100	0.111	89

Note:

1. Two card slot can't work at the same time.
2. The test separation of all above table is 10mm.
3. Per KDB 248227- When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg. (The highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power was **0.345** W/Kg for Head and **0.100** W/Kg for Body/Hotspot)



**Simultaneous Multi-band Transmission Evaluation:**

Application Simultaneous Transmission information:

Position	Simultaneous state
Head	1. GSM + WIFI
	2. GSM + Bluetooth
	3. WCDMA + WIFI
	4. WCDMA + Bluetooth
	5. LTE + WIFI
	6. LTE + Bluetooth
Body	1. GSM + WIFI
	2. GSM + Bluetooth
	3. WCDMA + WIFI
	4. WCDMA + Bluetooth
	5. LTE + WIFI
	6. LTE + Bluetooth

NOTE:

1. Bluetooth and WIFI can't simultaneous transmission at the same time.
2. For simultaneous transmission at head and body exposure position, 2 transmitters simultaneous transmission was the worst state.
3. Based upon KDB 447498 D01 v05, BT SAR is excluded as below table.
4. If the test separation distance is <5mm, 5mm is used for excluded SAR calculation.
5. For minimum test separation distance $\leq 50\text{mm}$, Bluetooth standalone SAR is excluded according to $[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f} (\text{GHz}) / x] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR
6. The reported SAR summation is calculated based on the same configuration and test position.
7. KDB 447498 / 4.3.2 (2) 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:
 - a) $(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm}) \cdot [\sqrt{f} (\text{GHz}) / x] \text{ W/kg}$ for test separation distances $\leq 50 \text{ mm}$; Where $x = 7.5$ for 1-g SAR, and $x = 18.75$ for 10-g SAR.
 - b) 0.4W/Kg for 1-g SAR and 1.0W/Kg for 10-g SAR, when the separation distance is $>50\text{mm}$.

Estimated SAR		Maximum Average Power		Antenna to user(mm)	Frequency(GHz)	Stand alone SAR(1g) [W/kg]
		dBm	mW			
BT	Head	-6	0.25	5	2.480	0.010
	Body			10	2.480	0.005



Simultaneous Mode	Position	Mode	Max. 1-g SAR (W/kg)	1-g Sum SAR (W/kg)
GSM + WIFI	Head	GSM Voice	0.085	0.518
		WIFI	0.433	
	Body	GSM Voice	0.735	0.860
		WIFI	0.125	
GSM + Bluetooth	Head	GSM Voice	0.085	0.095
		Bluetooth	0.010	
	Body	GSM Voice	0.735	0.740
		Bluetooth	0.005	
WCDMA + WIFI	Head	WCDMA RMC	0.230	0.663
		WIFI	0.433	
	Body	WCDMA RMC	0.792	0.917
		WIFI	0.125	
WCDMA + Bluetooth	Head	WCDMA RMC	0.230	0.240
		Bluetooth	0.010	
	Body	WCDMA RMC	0.792	0.797
		Bluetooth	0.005	
LTE + WIFI	Head	LTE RMC	0.374	0.807
		WIFI	0.433	
	Body	LTE RMC	0.530	0.655
		WIFI	0.125	
LTE + Bluetooth	Head	LTE RMC	0.374	0.384
		Bluetooth	0.010	
	Body	LTE RMC	0.530	0.535
		Bluetooth	0.005	

Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneous transmitting antenna.

When the sum of SAR 1g of all simultaneously transmitting antennas in an operating mode and exposure condition combination is within the SAR limit (SAR-1g 1.6 W/kg), the simultaneous transmission SAR is not required. When the sum of SAR 1g is greater than the SAR limit (SAR-1g 1.6 W/kg), SAR test exclusion is determined by the SPLSR.



13. Equipment List

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
750MHz Dipole	SATIMO	SID750	SN 30/14 DIP0G750-331	2014.09.01	2015.08.31
835MHz Dipole	SATIMO	SID835	SN 30/14 DIP0G835-332	2014.09.01	2015.08.31
1800MHz Dipole	SATIMO	SID1800	SN 30/14 DIP1G800-329	2014.09.01	2015.08.31
1900MHz Dipole	SATIMO	SID1900	SN 30/14 DIP1G900-333	2014.09.01	2015.08.31
2450MHzDipole	SATIMO	SID2450	SN 30/14 DIP2G450-335	2014.09.01	2015.08.31
E-Field Probe	SATIMO	SSE5	SN 17/14 EP221	2014.09.01	2015.08.31
Antenna	SATIMO	ANTA3	SN 07/13 ZNTA52	2014.09.01	2015.08.31
Waveguide	SATIMO	SWG5500	SN 13/14 WGA32	2014.09.01	2015.08.31
Phantom1	SATIMO	SAM	SN 32/14 SAM115	2014.09.01	2015.08.31
Phantom2	SATIMO	SAM	SN 32/14 SAM116	2014.09.01	2015.08.31
SAR TEST BENCH	SATIMO	GSM and WCDMA mobile phone POSITIONNIN G SYSTEM	SN 32/14 MSH97	2014.09.01	2015.08.31
SAR TEST BENCH	SATIMO	LAPTOP POSITIONNIN G SYSTEM	SN 32/14 LSH29	2014.09.01	2015.08.31
Dielectric Probe Kit	SATIMO	SCLMP	SN 32/14 OCPG52	2014.09.01	2015.08.31
Multi Meter	Keithley	Multi Meter 2000	4050073	2014.11.20	2015.11.19
Signal Generator	Agilent	N5182A	MY50140530	2014.11.18	2015.11.17
Power Meter	R&S	NRP	100510	2014.10.25	2015.10.24
Power Sensor	R&S	NRP-Z11	101919	2014.10.24	2015.10.23
Power Sensor	Anritsu	MA2411B	1027253	2014.10.10	2015.10.09
Power Sensor	R&S	NRP-Z21	103971	2014.12.12	2015.12.11
Network Analyzer	Agilent	5071C	EMY46103472	2014.12.12	2015.12.11
Attenuator 1	PE	PE7005-10	N/A	2014.10.25	2015.10.24
Attenuator 2	PE	PE7005-3	N/A	2014.10.24	2015.10.23
Attenuator 3	Woken	WK0602-XX	N/A	2014.12.12	2015.12.11
Dual Directional Coupler	Agilent	778D	50422	2014.11.18	2015.11.17



Appendix A. System Validation Plots

System Performance Check Data (750MHz Head)

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

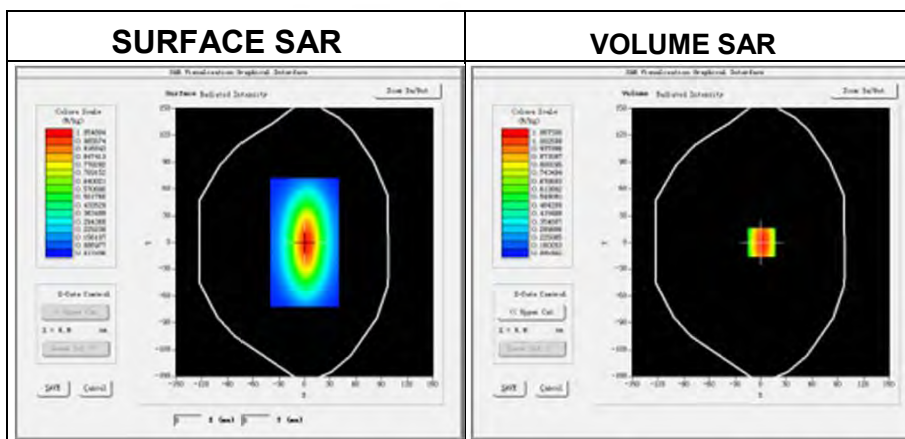
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2015-07-13

Measurement duration: 13 minutes 25 seconds

Experimental conditions

Phantom	Validation plane
Device Position	-
Band	750MHz
Channels	-
Signal	CW
Frequency (MHz)	750MHz
Relative permittivity (real part)	41.2
Relative permittivity	20.8
Conductivity (S/m)	0.91
Power drift (%)	2.35
Ambient Temperature:	22.7°C
Liquid Temperature:	22.3°C
ConvF:	4.53
Crest factor:	1:1





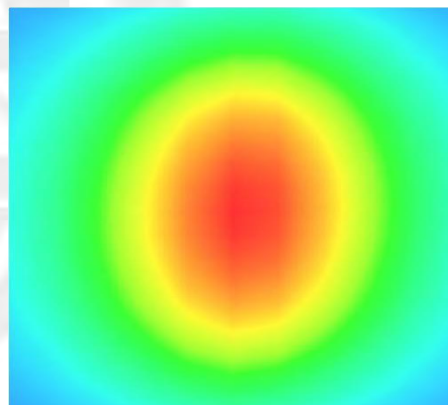
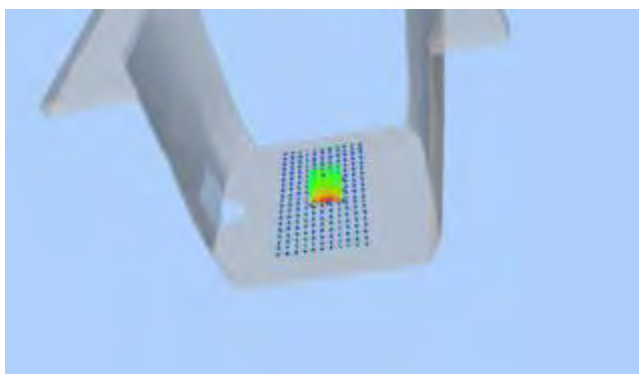
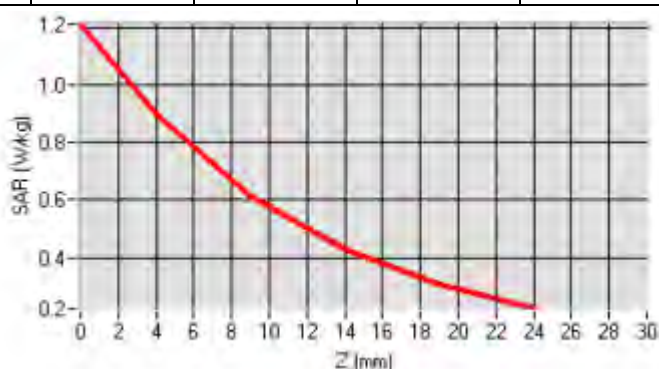
Maximum location: X=1.00, Y=0.00

SAR Peak: 1.30 W/kg

SAR 10g (W/Kg)	0.544560
SAR 1g (W/Kg)	0.838123

Z Axis Scan

Z (mm)	0	4	9	14	19	24	29
SAR(W/Kg)	1.30322	0.86595	0.56114	0.49582	0.31352	0.24266	0.10359



**System Performance Check Data (835MHz Body)**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

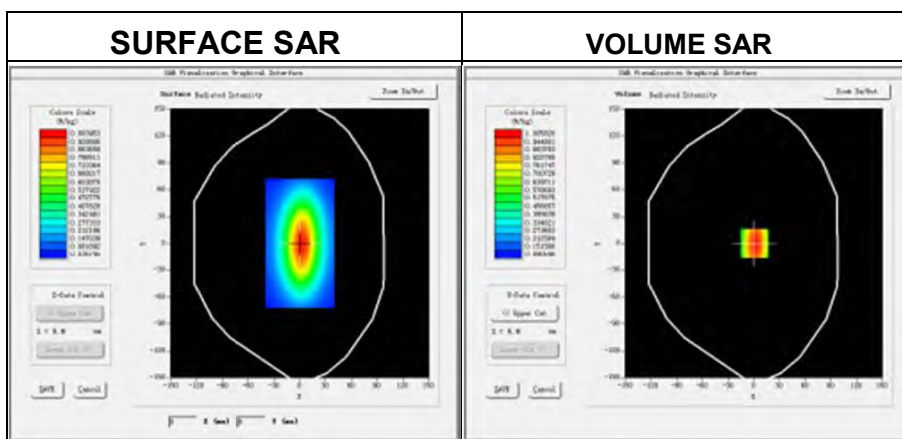
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2015-07-13

Measurement duration: 14 minutes 12 seconds

Experimental conditions.

Probe	
Phantom	Validation plane
Device Position	-
Band	750MHz
Channels	-
Signal	CW
Frequency (MHz)	750MHz
Relative permittivity (real part)	55.26
Relative permittivity	23.251187
Conductivity (S/m)	0.91
Power drift (%)	1.020000
Ambient Temperature:	22.7°C
Liquid Temperature:	22.3°C
ConvF:	4.70
Crest factor:	1:1





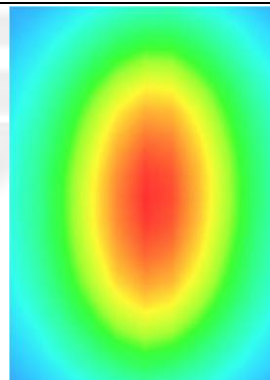
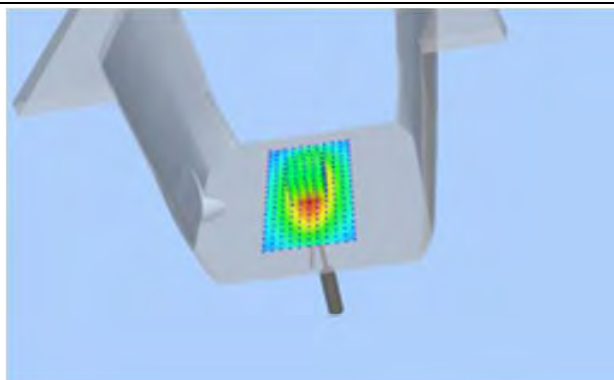
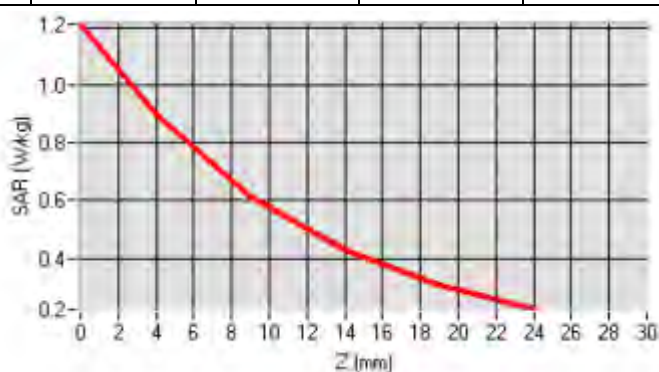
Maximum location: X=1.00, Y=0.00

SAR Peak: 1.30 W/kg

SAR 10g (W/Kg)	0.576142
SAR 1g (W/Kg)	0.856325

Z Axis Scan

Z (mm)	0	4	9	14	19	24	29
SAR(W/Kg)	1.30254	0.85658	0.56325	0.49362	0.31412	0.24366	0.10355



**System Performance Check Data (835MHz Head)**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

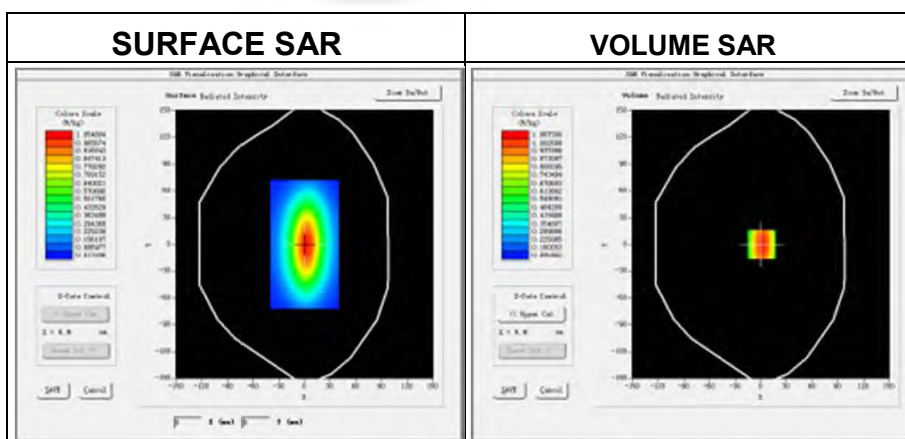
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2015-07-13

Measurement duration: 13 minutes 27 seconds

Experimental conditions

Phantom	Validation plane
Device Position	-
Band	835MHz
Channels	-
Signal	CW
Frequency (MHz)	835MHz
Relative permittivity (real part)	41.00
Relative permittivity	18.72
Conductivity (S/m)	0.86
Power drift (%)	0.45
Ambient Temperature:	22.7°C
Liquid Temperature:	22.3°C
ConvF:	4.83
Crest factor:	1:1





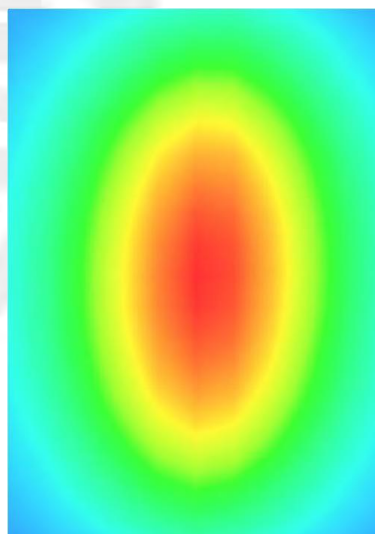
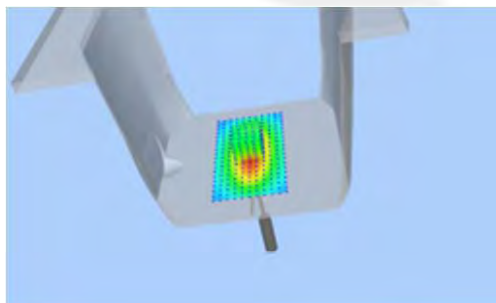
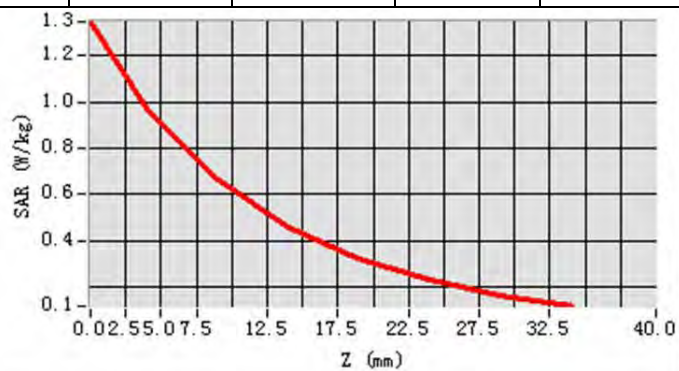
Maximum location: X=1.00, Y=0.00

SAR Peak: 1.39 W/kg

SAR 10g (W/Kg)	0.625623
SAR 1g (W/Kg)	0.937481

Z Axis Scan

Z (mm)	0	4	9	14	19	24	29
SAR(W/Kg)	1.3472	0.97891	0.66265	0.5042	0.3512	0.2505	0.11794



**System Performance Check Data (835MHz Body)**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

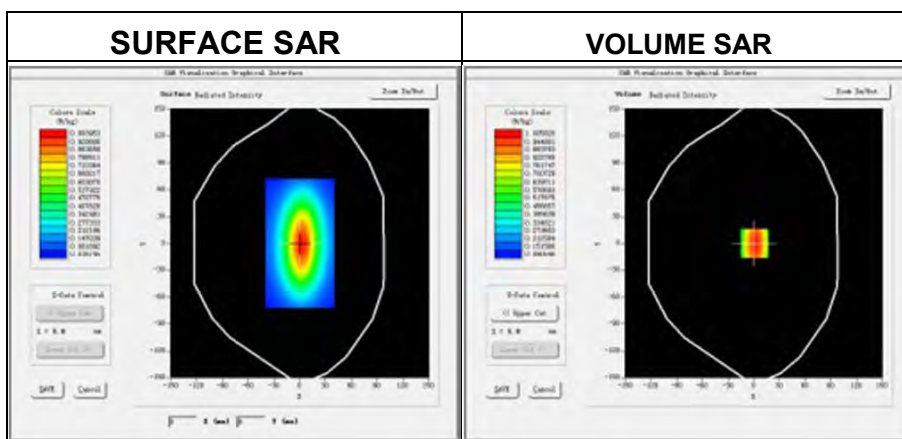
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2015-07-13

Measurement duration: 14 minutes 13 seconds

Experimental conditions.

Probe	
Phantom	Validation plane
Device Position	-
Band	835MHz
Channels	-
Signal	CW
Frequency (MHz)	835MHz
Relative permittivity (real part)	54.70
Relative permittivity	21.408187
Conductivity (S/m)	0.98
Power drift (%)	0.090000
Ambient Temperature:	22.7°C
Liquid Temperature:	22.3°C
ConvF:	5.02
Crest factor:	1:1



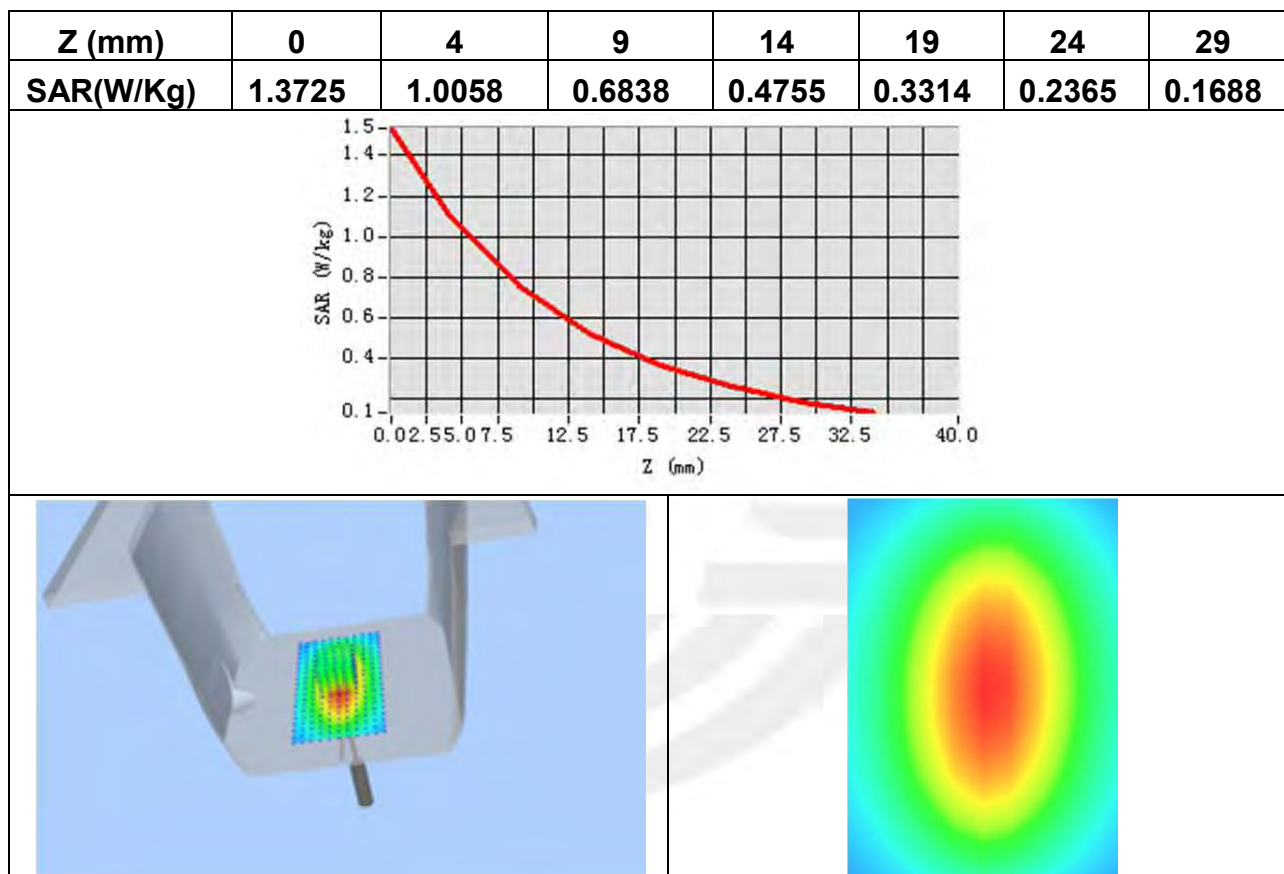


Maximum location: X=1.00, Y=0.00

SAR Peak: 1.50 W/kg

SAR 10g (W/Kg)	0.603221
SAR 1g (W/Kg)	0.946658

Z Axis Scan



**System Performance Check Data(1800MHz Head)**

Type: Phone measurement (Complete)

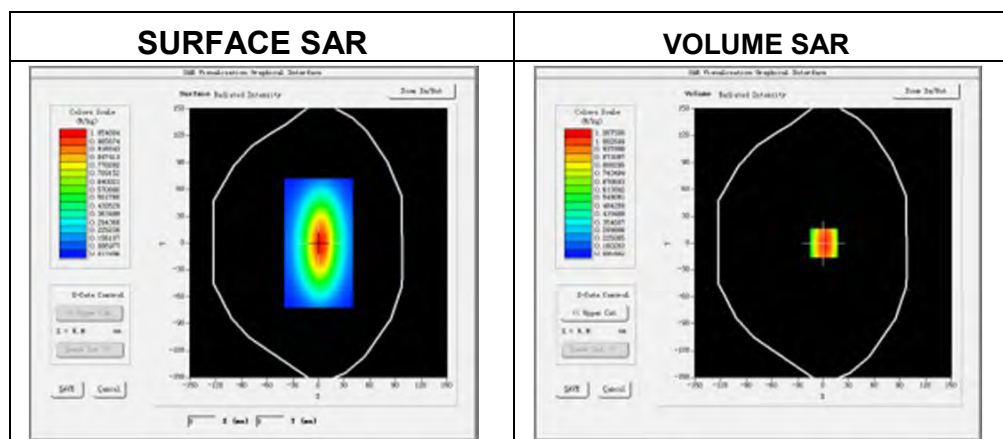
Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2015-07-13

Experimental conditions.

Phantom	Validation plane
Device Position	-
Band	1800MHz
Channels	-
Signal	CW
Frequency (MHz)	1800MHz
Relative permittivity (real part)	40.20
Relative permittivity	14.096855
Conductivity (S/m)	1.308491
Power drift (%)	-1.390000
Ambient Temperature	22.7°C
Liquid Temperature	22.3°C
Probe	SN 17/14 EP221
ConvF	4.25
Crest factor:	1:1



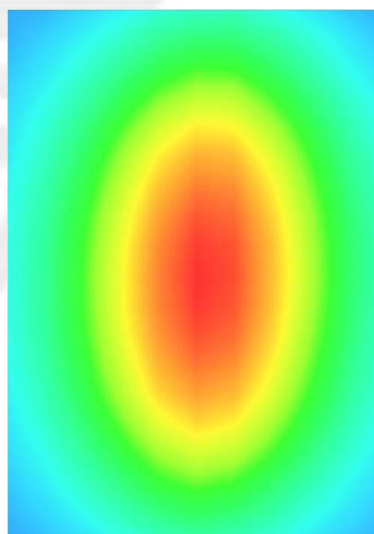
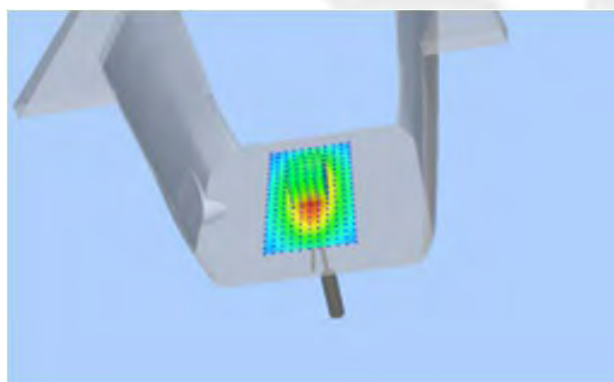
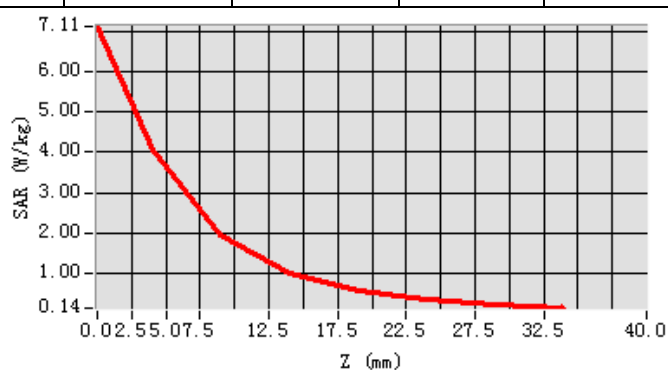


Maximum location: X=7.00, Y=-1.00

SAR 10g (W/Kg)	1.980247
SAR 1g (W/Kg)	3.760154

Z Axis Scan

Z (mm)	0	4	9	14	19	24	29
SAR(W/Kg)	7.1146	4.0782	1.9352	1.0130	0.5642	0.3334	0.2079



**System Performance Check Data(1800MHz Body)**

Type: Phone measurement (Complete)

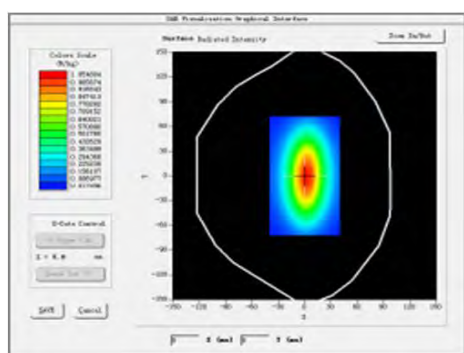
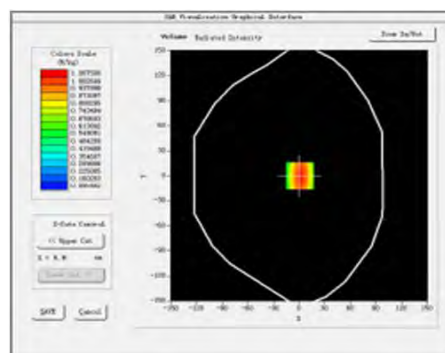
Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2015-07-13

Experimental conditions.

Phantom	Validation plane
Device Position	-
Band	1800MHz
Channels	-
Signal	CW
Frequency (MHz)	1800MHz
Relative permittivity (real part)	52.6
Relative permittivity	15.08356
Conductivity (S/m)	1.376582
Power drift (%)	2.351
Ambient Temperature	22.7°C
Liquid Temperature	22.3°C
Probe	SN 17/14 EP221
ConvF	4.34
Crest factor:	1:1

SURFACE SAR**VOLUME SAR**

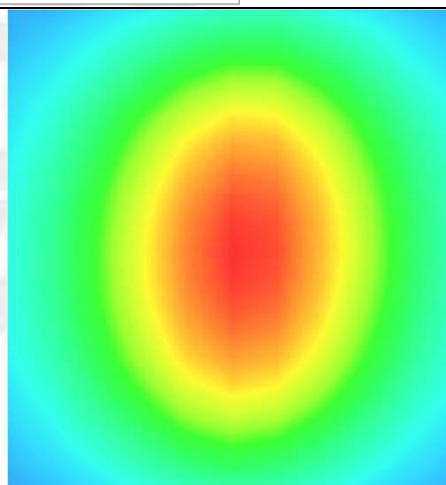
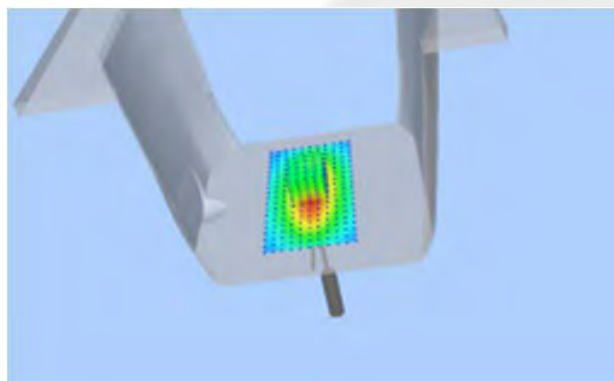
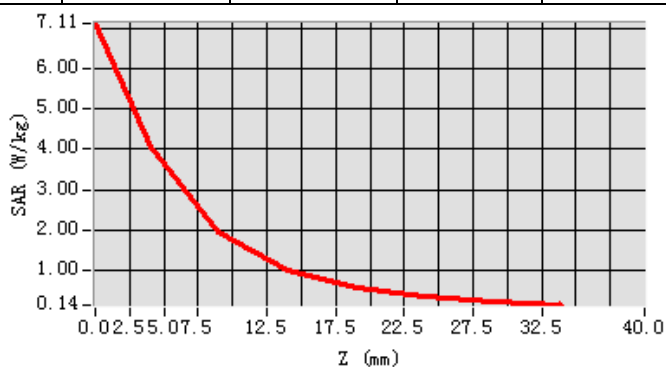


Maximum location: X=6.00, Y=2.00

SAR 10g (W/Kg)	1.99658
SAR 1g (W/Kg)	3.88325

Z Axis Scan

Z (mm)	0	4	9	14	19	24	29
SAR(W/Kg)	7.2356	4.1258	1.9683	1.1253	0.6535	0.3652	0.2658



**System Performance Check Data (1900MHz Head)**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

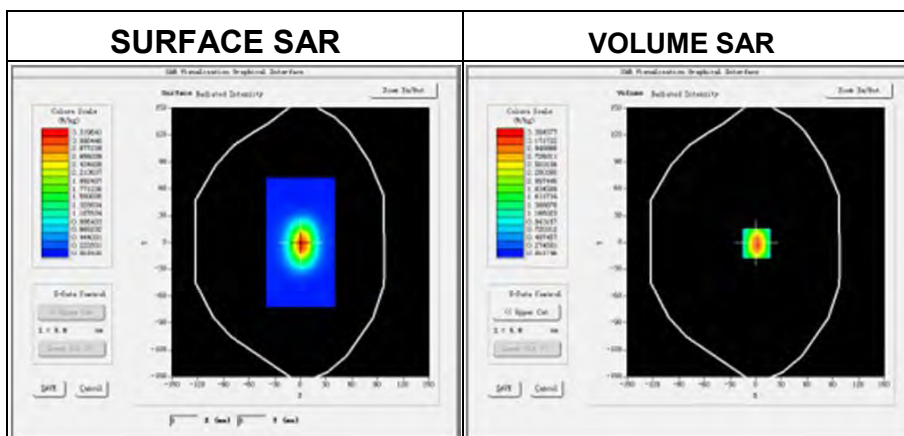
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2015-07-13

Measurement duration: 14 minutes 12 seconds

Experimental conditions.

Phantom	Validation plane
Device Position	-
Band	1900MHz
Channels	-
Signal	CW
Frequency (MHz)	1900MHz
Relative permittivity (real part)	39.50
Relative permittivity	13.26
Conductivity (S/m)	1.43
Power drift (%)	0.47
Ambient Temperature:	22.7°C
Liquid Temperature:	22.3°C
Probe	SN 17/14 EP221
ConvF:	4.71
Crest factor:	1:1



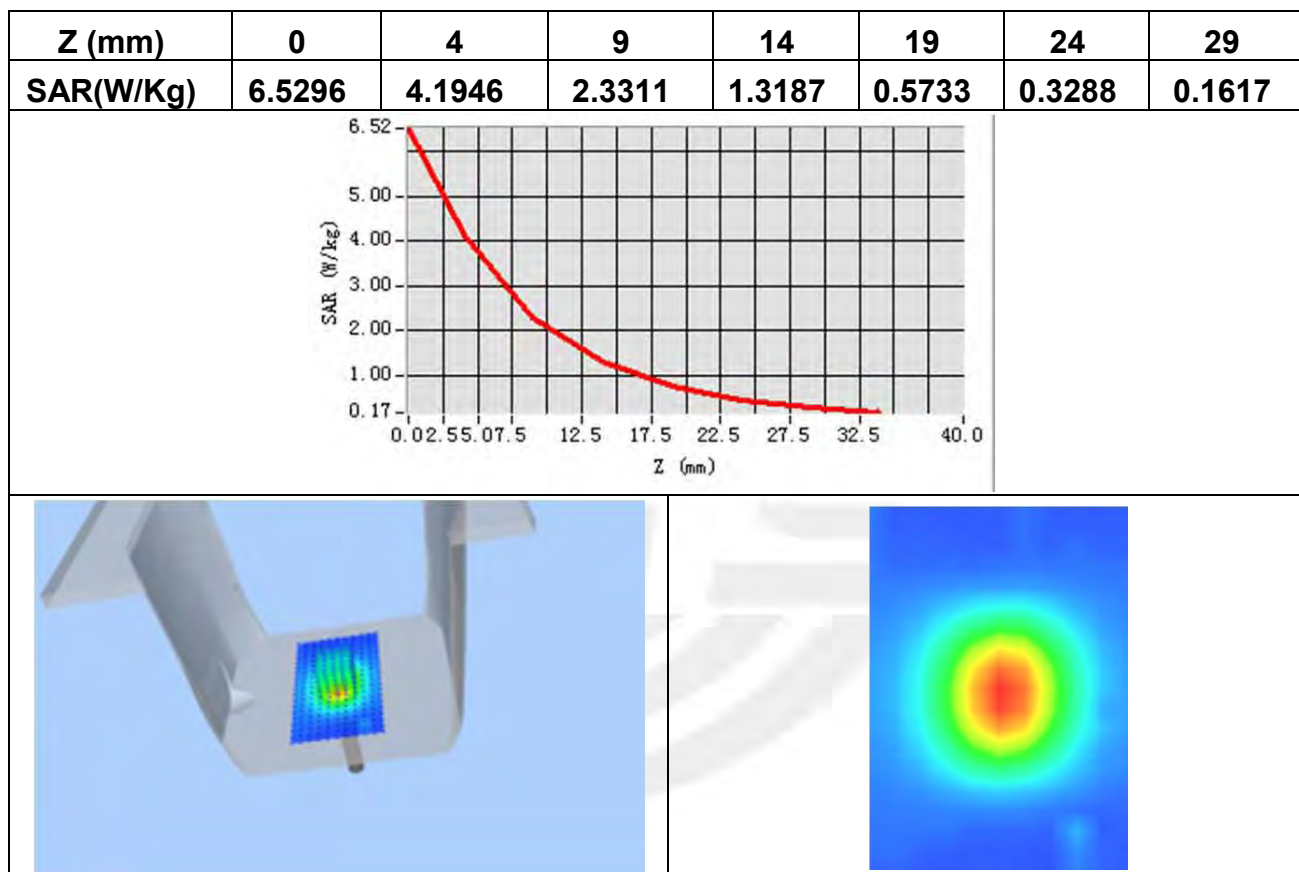


Maximum location: X=1.00, Y=0.00

SAR Peak: 5.41 W/kg

SAR 10g (W/Kg)	1.967525
SAR 1g (W/Kg)	3.856235

Z Axis Scan



**System Performance Check Data (1900MHz Body)**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

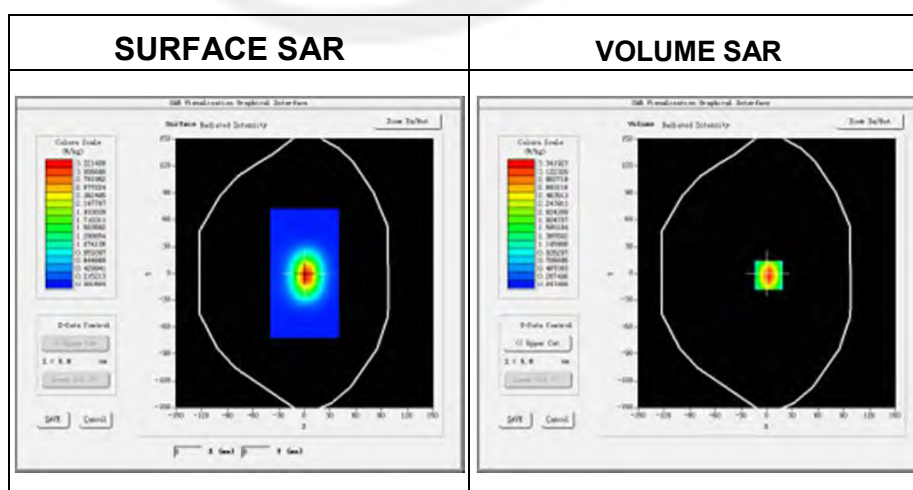
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2015-07-13

Measurement duration: 14 minutes 46 seconds

Experimental conditions.

Device Position	-
Band	1900MHz
Channels	-
Signal	CW
Frequency (MHz)	1900
Relative permittivity (real part)	52.31
Relative permittivity	12.87531
Conductivity (S/m)	1.5
Power drift (%)	0.37
Ambient Temperature:	22.7°C
Liquid Temperature:	22.3°C
Probe	SN 17/14 EP221
ConvF:	4.85
Crest factor:	1:1



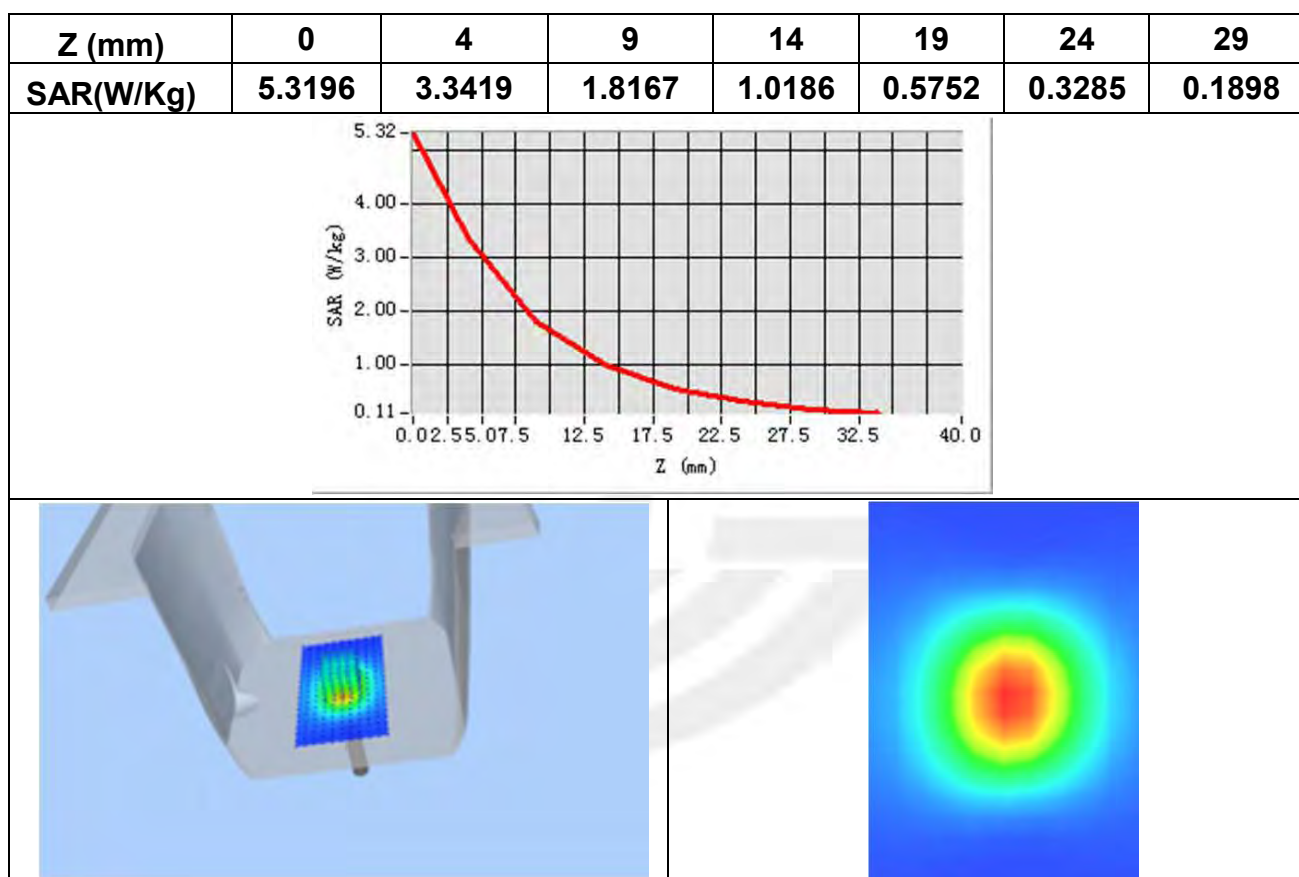


Maximum location: X=2.00, Y=2.00

SAR Peak: 5.27 W/kg

SAR 10g (W/Kg)	2.265354
SAR 1g (W/Kg)	3.986583

Z Axis Scan



**System Performance Check Data (2450MHz Head)**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

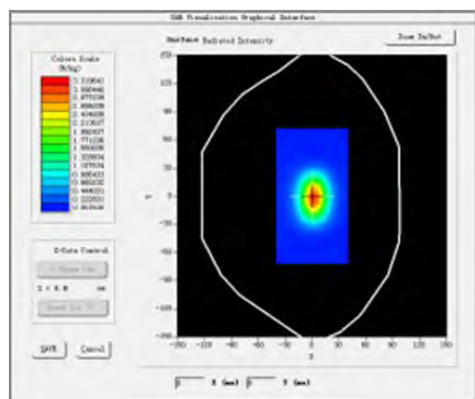
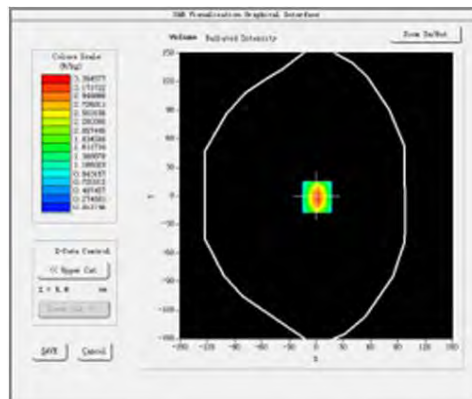
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2015-07-13

Measurement duration: 13 minutes 51seconds

Experimental conditions.

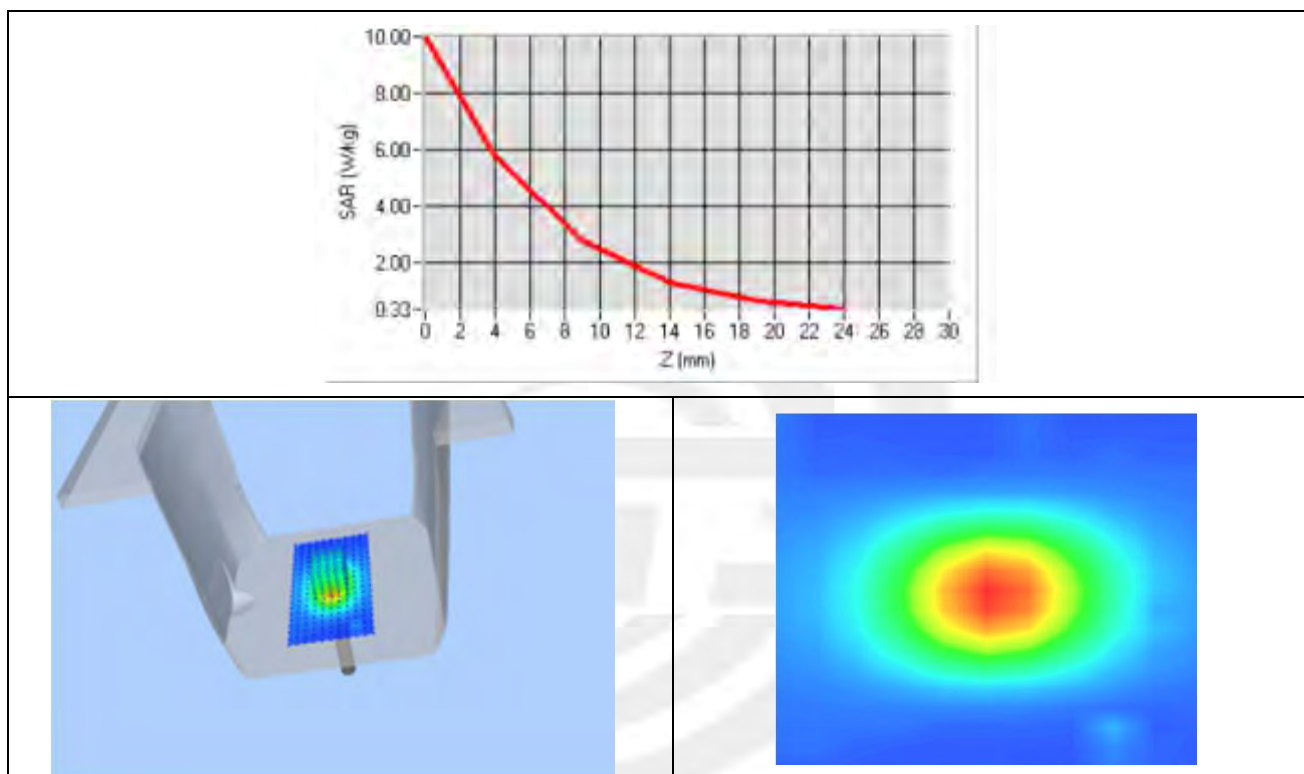
Device Position	Validation plane
Band	2450 MHz
Channels	-
Signal	CW
Frequency (MHz)	2450
Relative permittivity (real part)	39.176002
Relative permittivity	12.930000
Conductivity (S/m)	1.88
Power drift (%)	-1.200000
Ambient Temperature	22.7°C
Liquid Temperature	22.3°C
Probe	SN 17/14 EP221
ConvF	4.11
Crest factor:	1:1

SURFACE SAR**VOLUME SAR**

Maximum location: X=7.00, Y=6.00

SAR 10g (W/Kg)	2.659359
SAR 1g (W/Kg)	5.593465

Z Axis Scan



**System Performance Check Data (2450MHz Body)**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

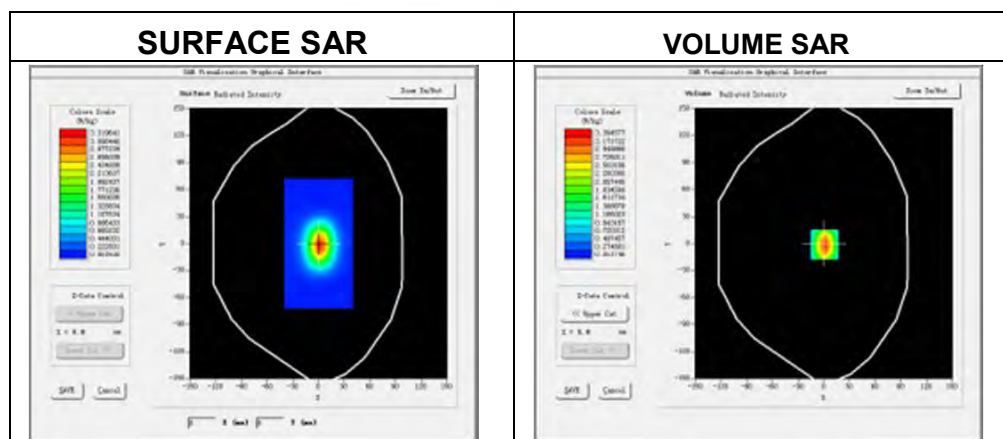
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2015-07-13

Measurement duration: 14 minutes 23 seconds

Experimental conditions.

Device Position	Validation plane
Band	2450 MHz
Channels	-
Signal	CW
Frequency (MHz)	2450
Relative permittivity (real part)	52.316002
Relative permittivity	12.930000
Conductivity (S/m)	2.12
Power drift (%)	-1.200000
Ambient Temperature	22.7°C
Liquid Temperature	22.3°C
Probe	SN 17/14 EP221
ConvF	4.25
Crest factor:	1:1

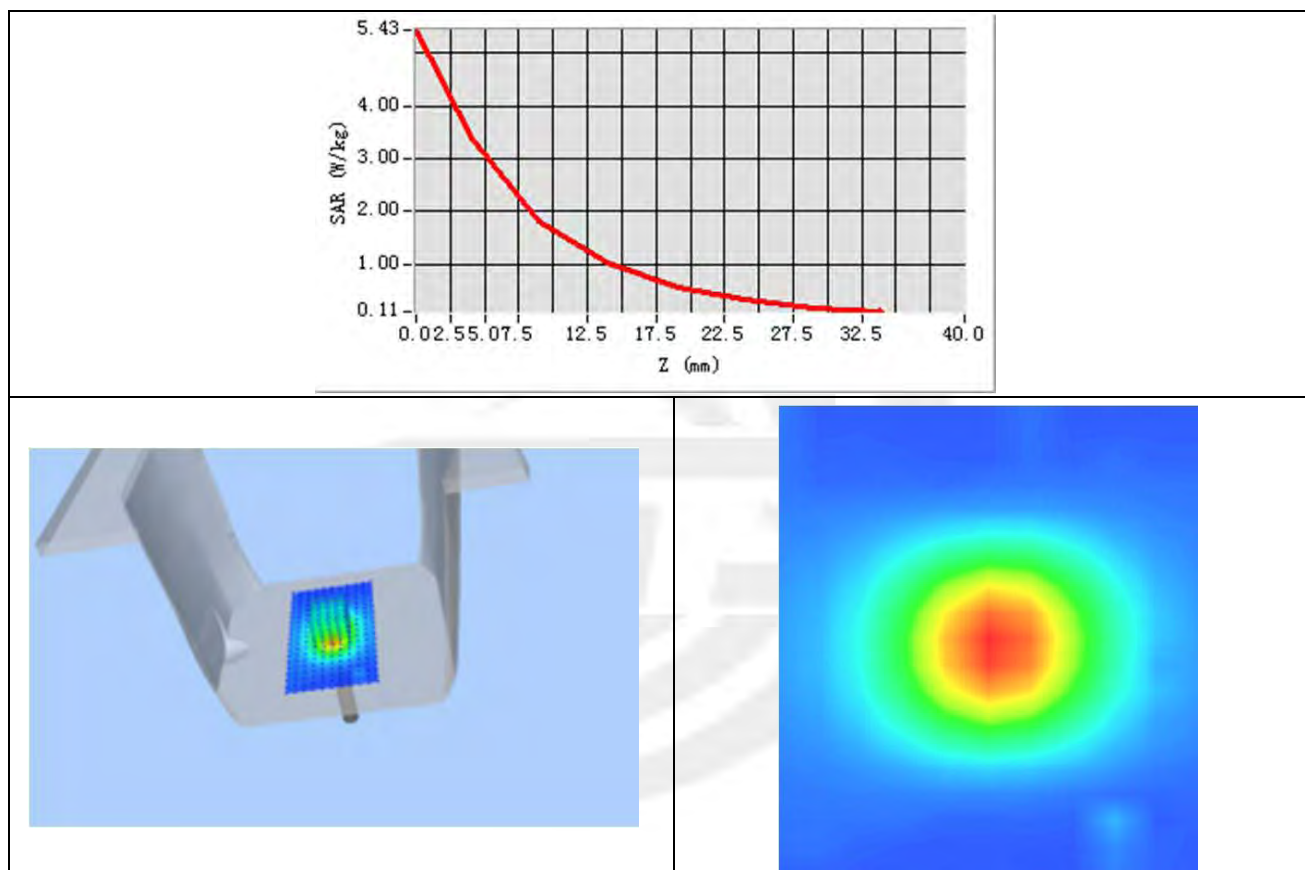




Maximum location: X=3.00, Y=1.00

SAR 10g (W/Kg)	2.156894
SAR 1g (W/Kg)	4.864392

Z Axis Scan



Appendix B. SAR Test Plots

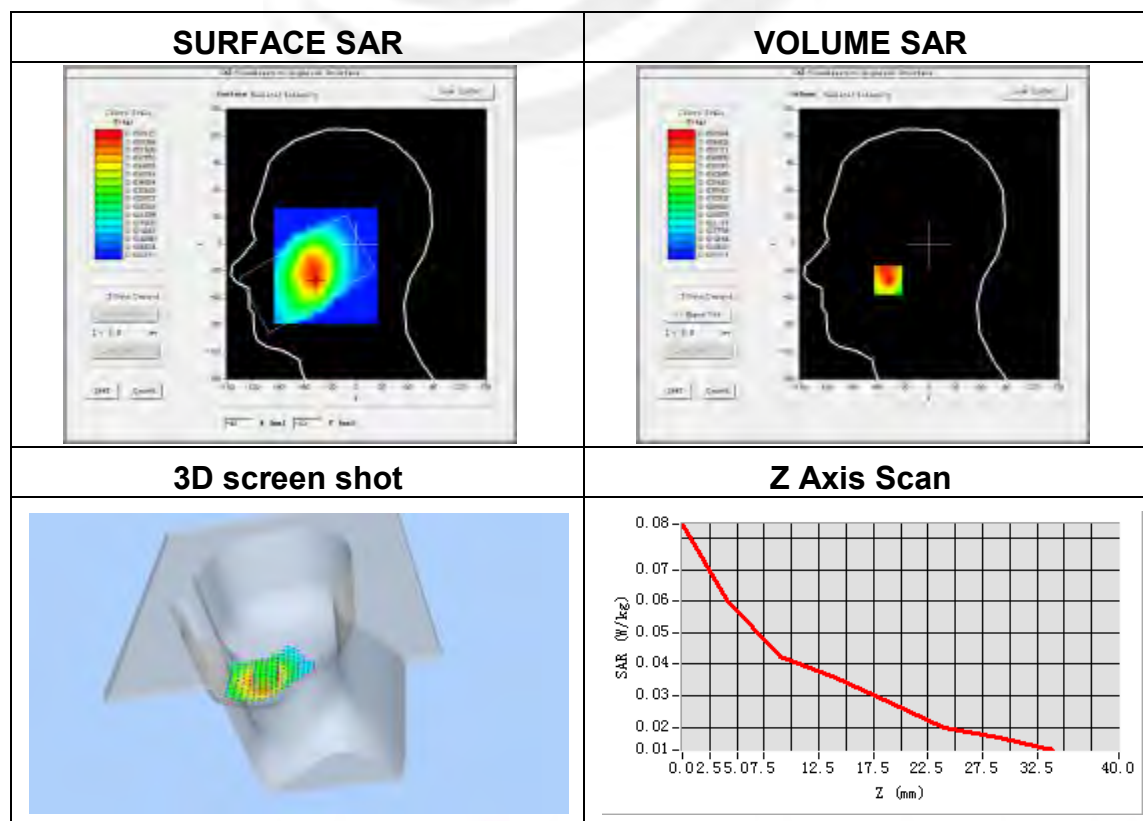
Plot 1: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	4.83
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Right head
Device Position	Cheek
Band	GSM850
Channels	High
Signal	TDMA (Crest factor: 8.32)
Frequency (MHz)	848.8
Relative permittivity (real part)	41.5
Conductivity (S/m)	0.90
Variation (%)	2.66

Maximum location: X=-48.00, Y=-40.00

SAR Peak: 0.08 W/kg

SAR 10g (W/Kg)	0.041865
SAR 1g (W/Kg)	0.058776



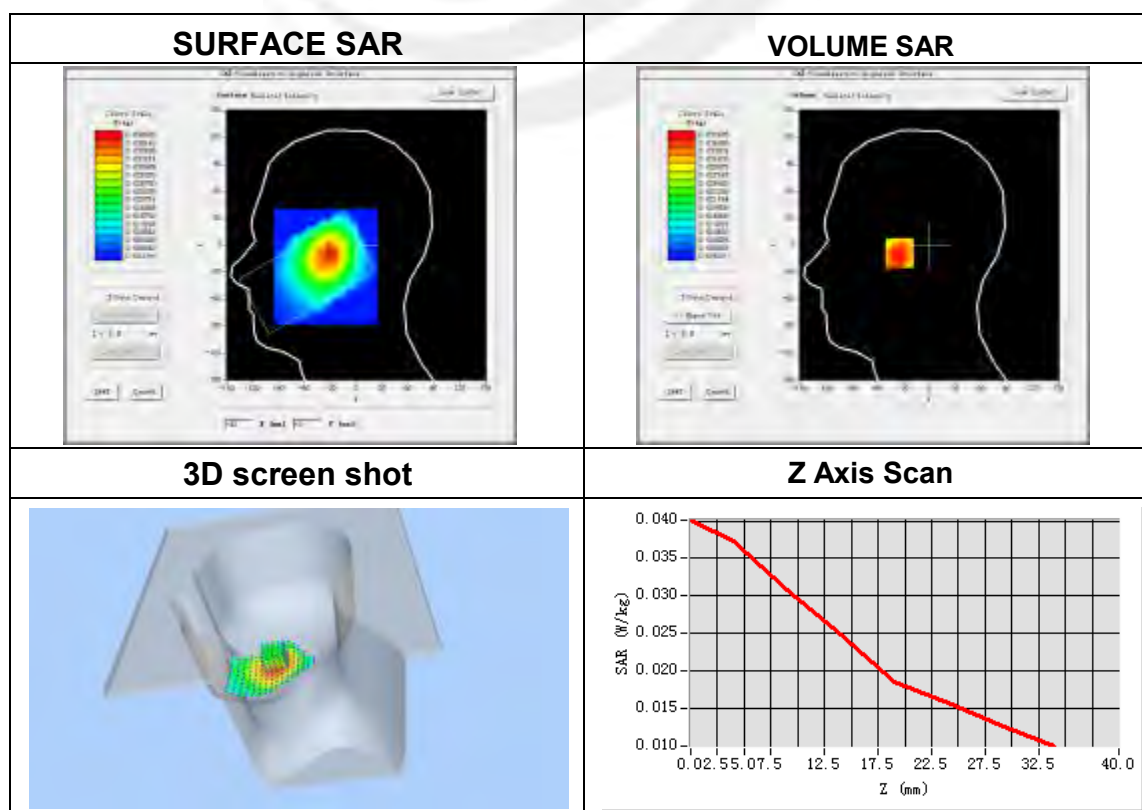
Plot 2: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.83
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mmdy=8mmdz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Right head
Device Position	Tilt
Band	GSM850
Channels	High
Signal	TDMA (Crest factor: 8.32)
Frequency (MHz)	848.8
Relative permittivity (real part)	41.5
Conductivity (S/m)	0.90
Variation (%)	0.11

Maximum location: X=-32.00, Y=-8.00

SAR Peak: 0.05 W/kg

SAR 10g (W/Kg)	0.027668
SAR 1g (W/Kg)	0.036977



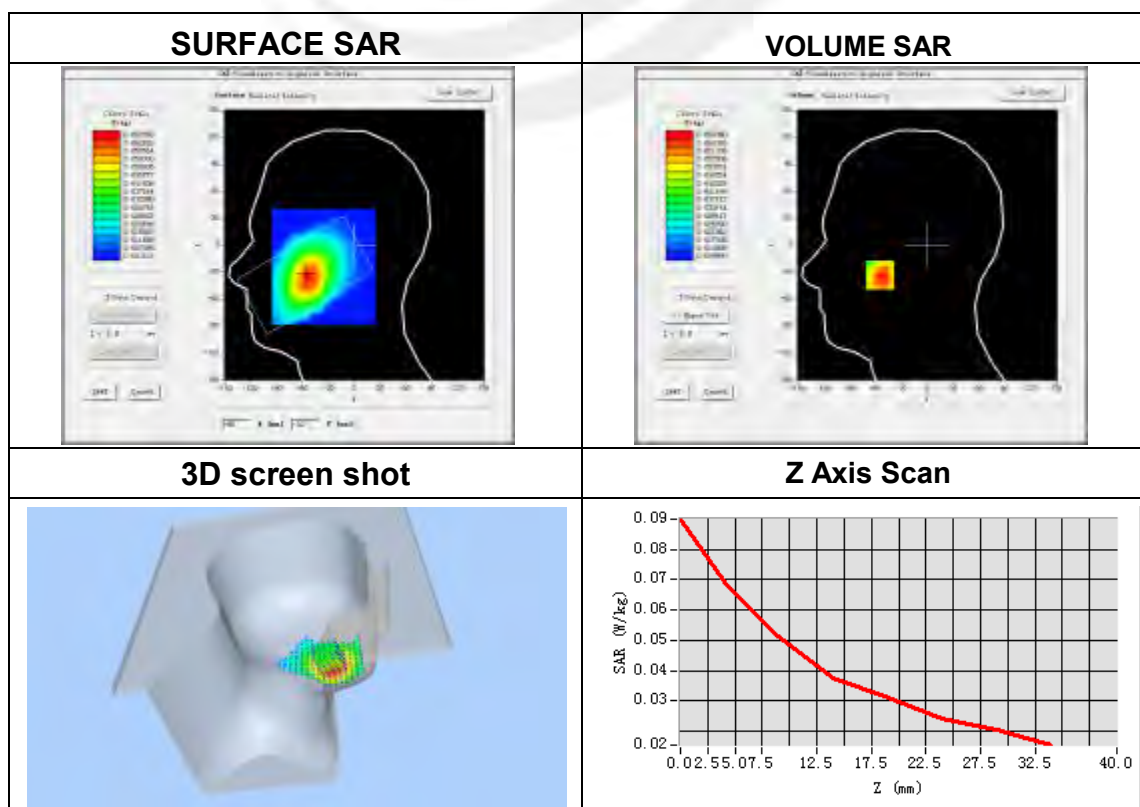
Plot 3: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.83
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	GSM850
Channels	High
Signal	TDMA (Crest factor: 8.32)
Frequency (MHz)	848.8
Relative permittivity (real part)	41.5
Conductivity (S/m)	0.90
Variation (%)	-2.01

Maximum location: X=-55.00, Y=-33.00

SAR Peak: 0.09 W/kg

SAR 10g (W/Kg)	0.046889
SAR 1g (W/Kg)	0.066327

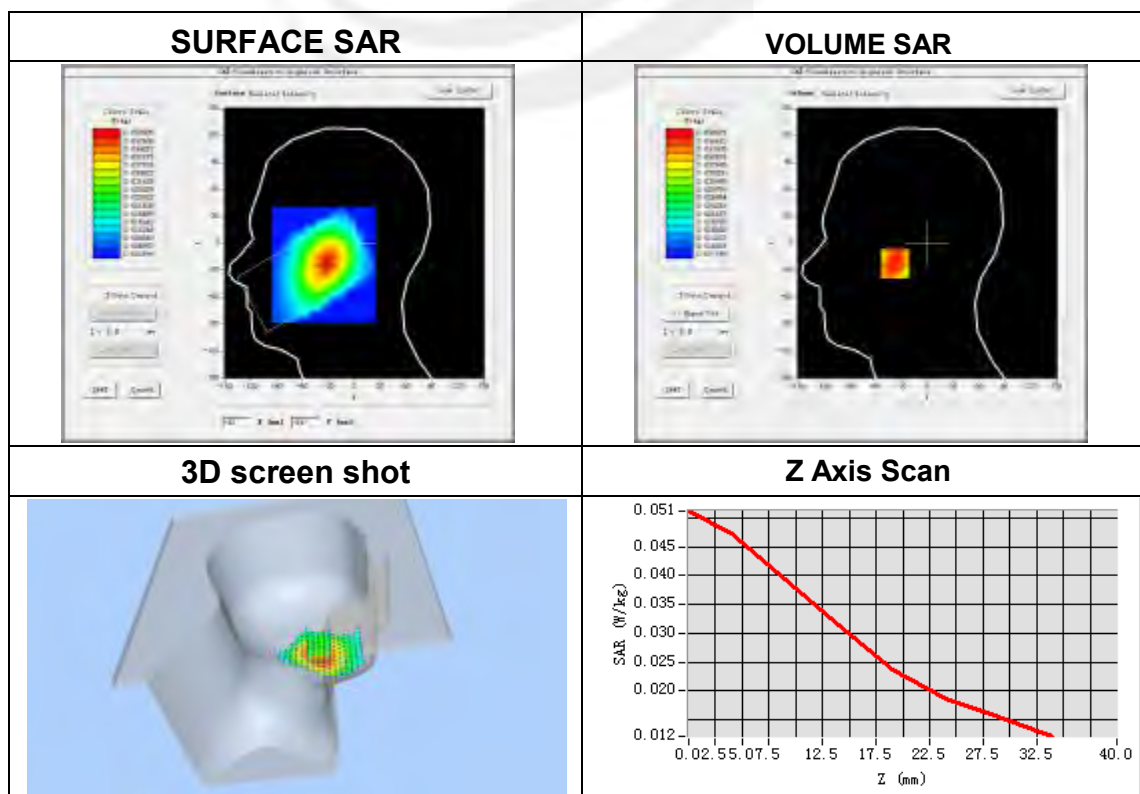


Plot 4: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.83
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Tilt
Band	GSM850
Channels	High
Signal	TDMA (Crest factor: 8.32)
Frequency (MHz)	848.8
Relative permittivity (real part)	41.5
Conductivity (S/m)	0.90
Variation (%)	2.81

Maximum location: X=-32.00, Y=-23.00
SAR Peak: 0.06 W/kg

SAR 10g (W/Kg)	0.035392
SAR 1g (W/Kg)	0.047152



Plot 5: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	5.02
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body Front
Band	EGPRS 850
Channels	Middle
Signal	Duty Cycle: 4.00 (Crest factor: 4.0)
Frequency (MHz)	836.6
Relative permittivity (real part)	55.20
Conductivity (S/m)	0.97
Variation (%)	0.77

Maximum location: X=6.00, Y=-51.00
SAR Peak: 0.63 W/kg

SAR 10g (W/Kg)	0.339796
SAR 1g (W/Kg)	0.463284



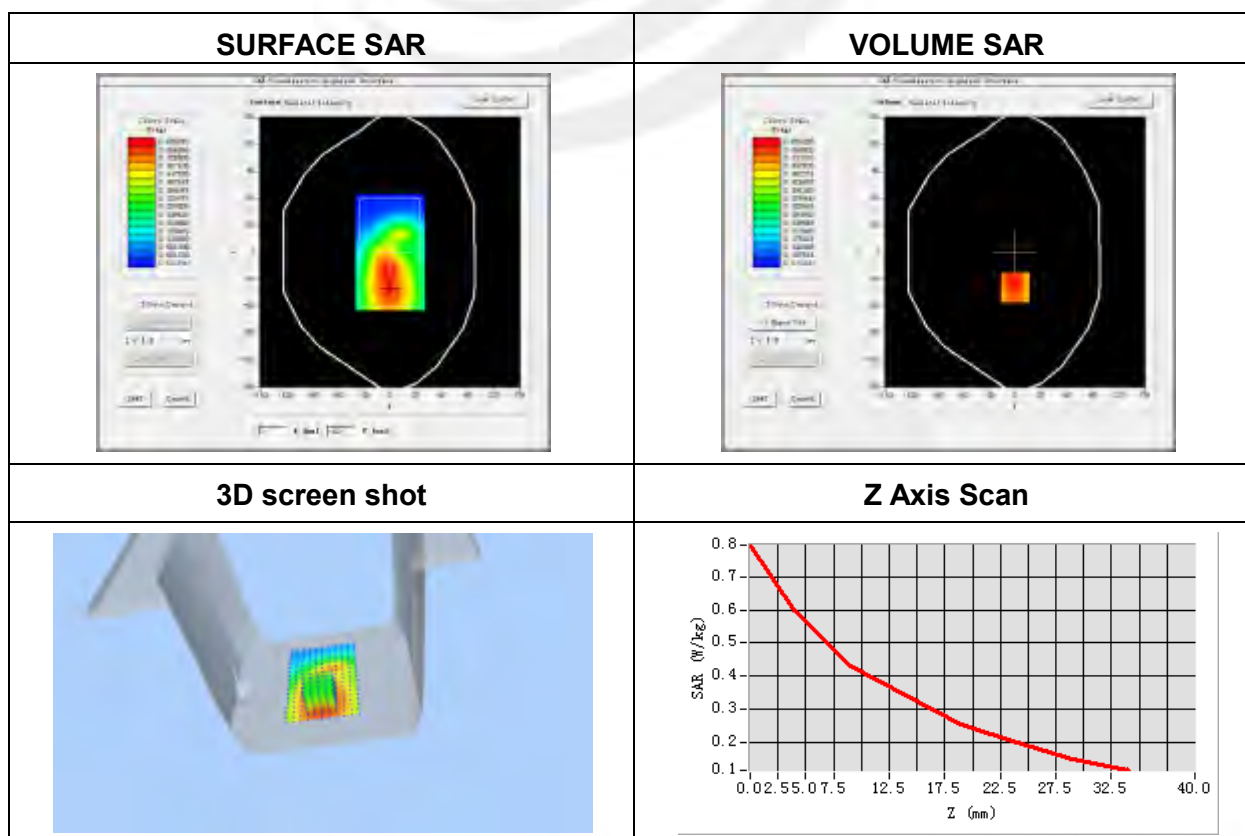
Plot 6: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	5.02
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body Back
Band	EGPRS 850
Channels	Middle
Signal	Duty Cycle: 4.00 (Crest factor: 4.0)
Frequency (MHz)	836.6
Relative permittivity (real part)	55.20
Conductivity (S/m)	0.97
Variation (%)	-0.42

Maximum location: X=0.00, Y=-39.00

SAR Peak: 0.79 W/kg

SAR 10g (W/Kg)	0.418944
SAR 1g (W/Kg)	0.584698

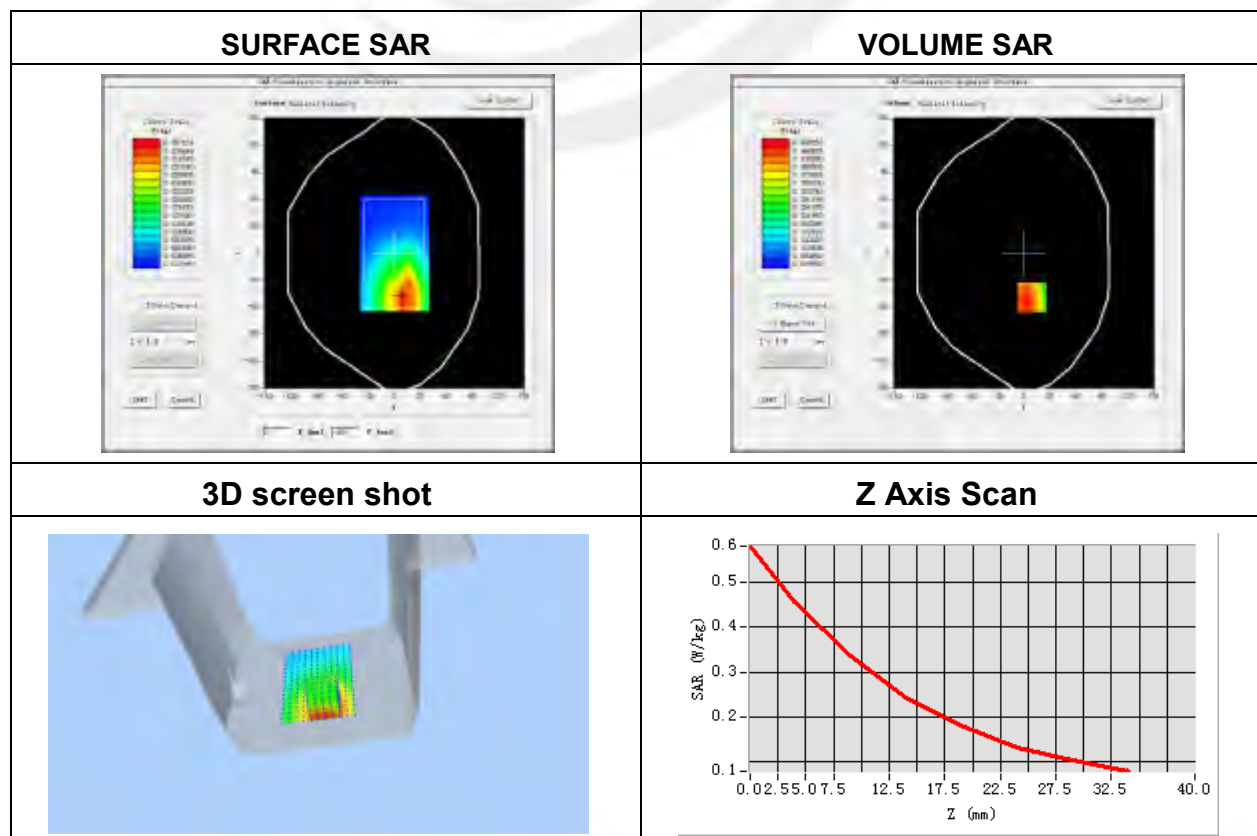


Plot 7: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	5.02
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body lift side
Band	EGPRS 850
Channels	Middle
Signal	Duty Cycle: 4.00 (Crest factor: 4.0)
Frequency (MHz)	836.6
Relative permittivity (real part)	55.20
Conductivity (S/m)	0.97
Variation (%)	3.25

Maximum location: X=9.00, Y=-49.00
SAR Peak: 0.70 W/kg

SAR 10g (W/Kg)	0.326112
SAR 1g (W/Kg)	0.479661



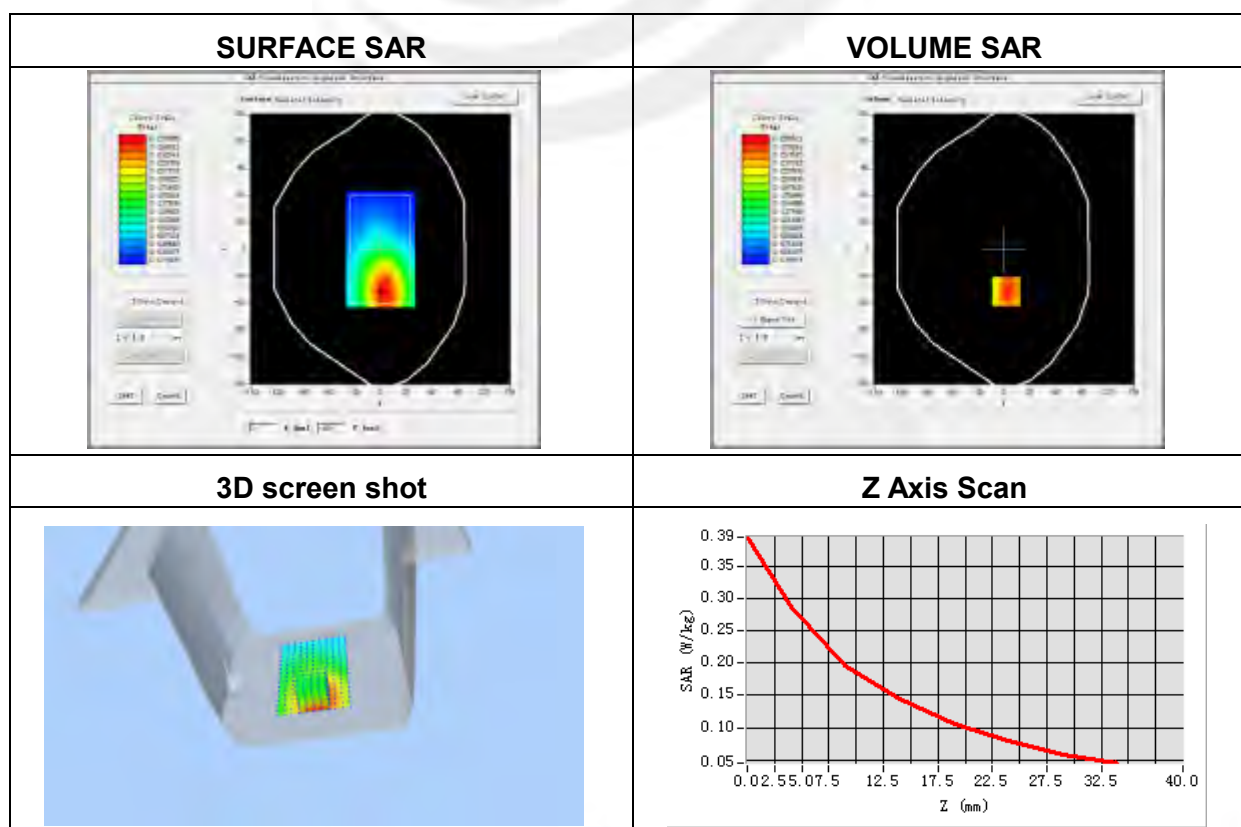
Plot 8: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	5.02
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body right side
Band	EGPRS 850
Channels	Middle
Signal	Duty Cycle: 4.00 (Crest factor: 4.0)
Frequency (MHz)	836.6
Relative permittivity (real part)	55.20
Conductivity (S/m)	0.97
Variation (%)	-4.54

Maximum location: X=2.00, Y=-47.00

SAR Peak: 0.40 W/kg

SAR 10g (W/Kg)	0.184418
SAR 1g (W/Kg)	0.275225



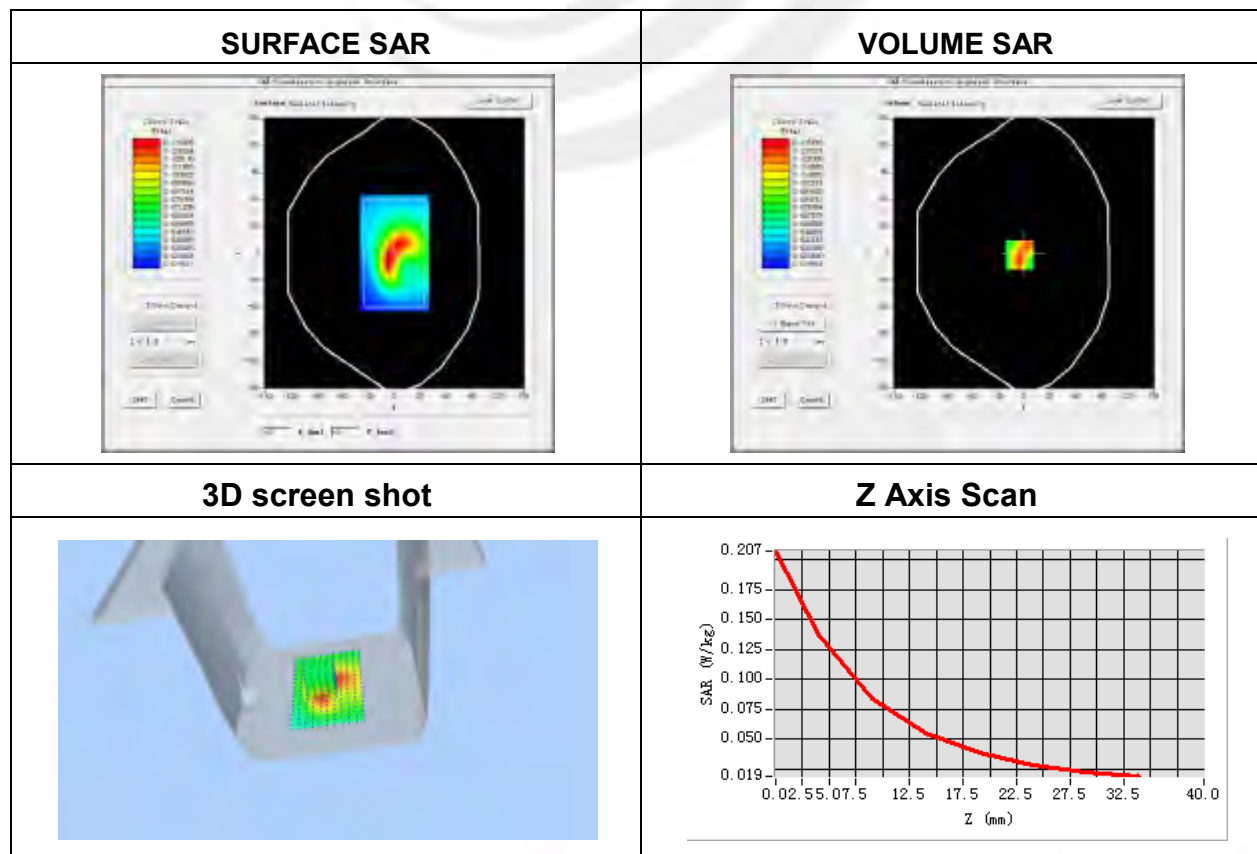
Plot 9: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	5.02
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body bottom side
Band	EGPRS 850
Channels	Middle
Signal	Duty Cycle: 4.00 (Crest factor: 4.0)
Frequency (MHz)	836.6
Relative permittivity (real part)	55.20
Conductivity (S/m)	0.97
Variation (%)	-0.09

Maximum location: X=-5.00, Y=-2.00

SAR Peak: 0.23 W/kg

SAR 10g (W/Kg)	0.079025
SAR 1g (W/Kg)	0.136100



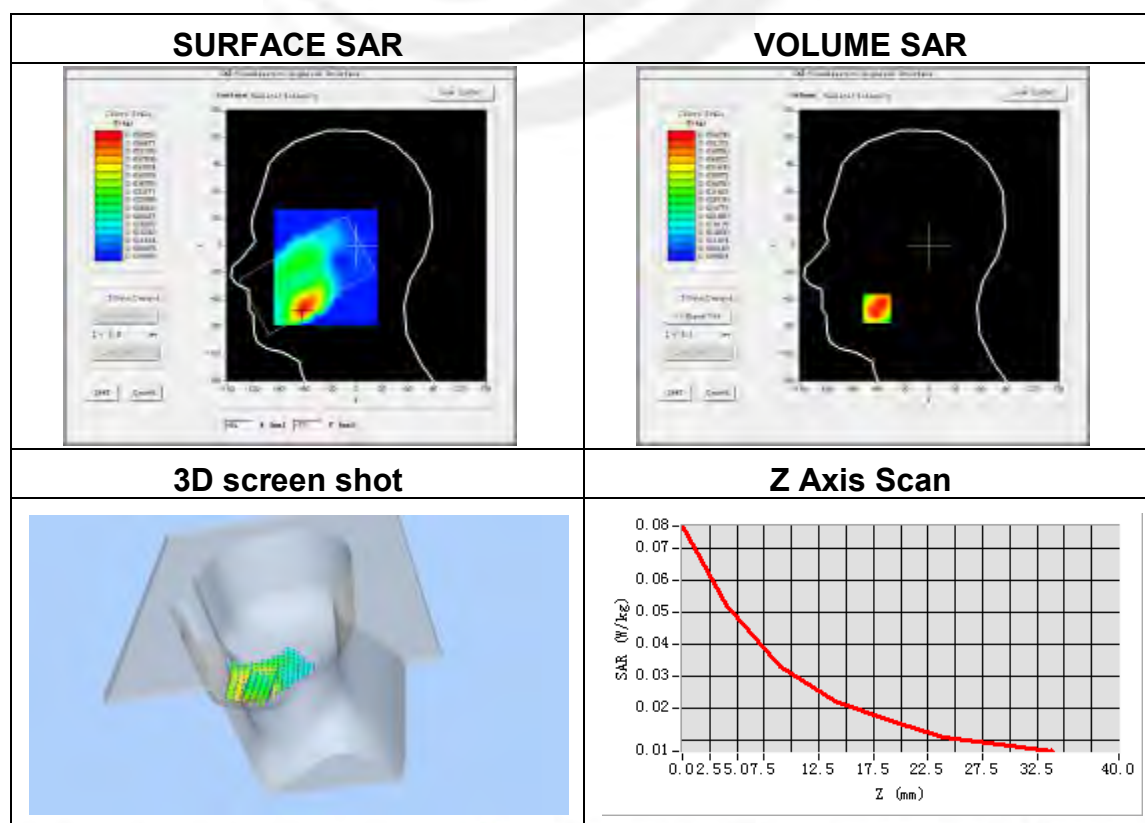
Plot 10: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.71
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Right head
Device Position	Cheek
Band	GSM1900
Channels	High
Signal	TDMA (Crest factor: 4.0)
Frequency (MHz)	1909.8
Relative permittivity (real part)	40.00
Conductivity (S/m)	1.40
Variation (%)	0.47

Maximum location: X=-61.00, Y=-70.00

SAR Peak: 0.09 W/kg

SAR 10g (W/Kg)	0.032441
SAR 1g (W/Kg)	0.054548



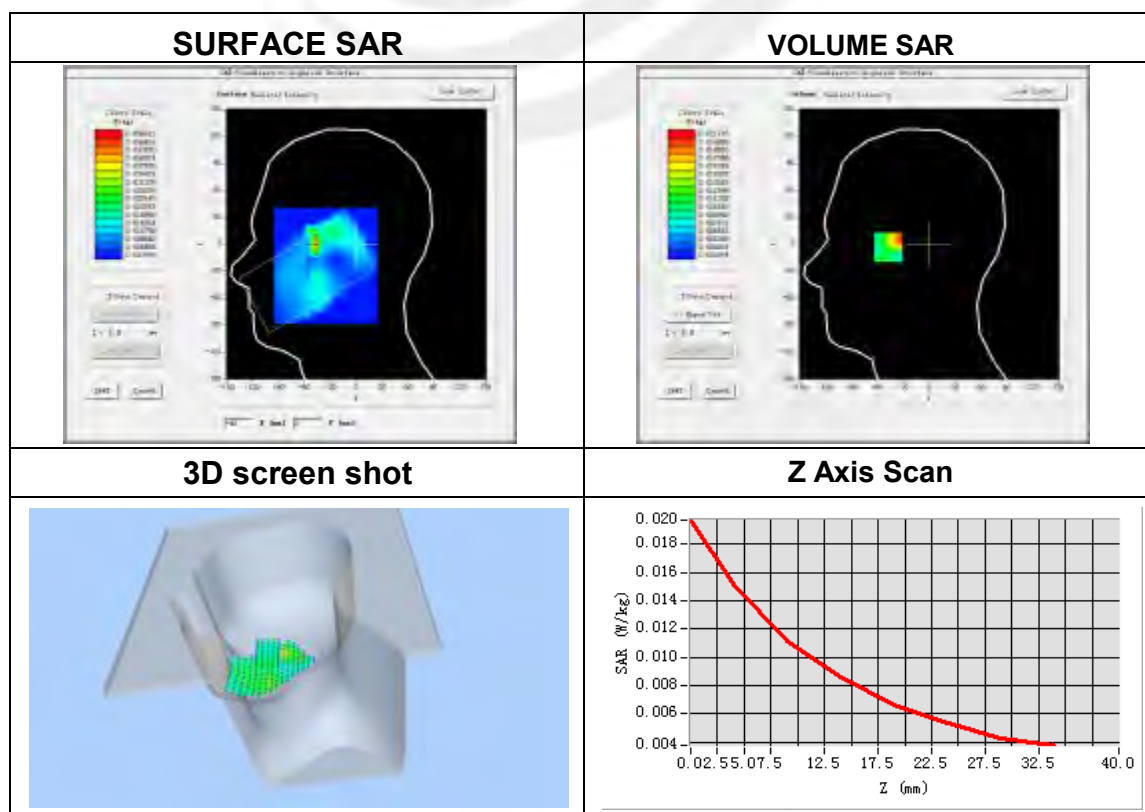
Plot 11: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.71
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Right head
Device Position	Tilt
Band	GSM1900
Channels	High
Signal	TDMA (Crest factor: 4.0)
Frequency (MHz)	1909.8
Relative permittivity (real part)	40.00
Conductivity (S/m)	1.40
Variation (%)	3.89

Maximum location: X=-48.00, Y=0.00

SAR Peak: 0.03 W/kg

SAR 10g (W/Kg)	0.011895
SAR 1g (W/Kg)	0.019717



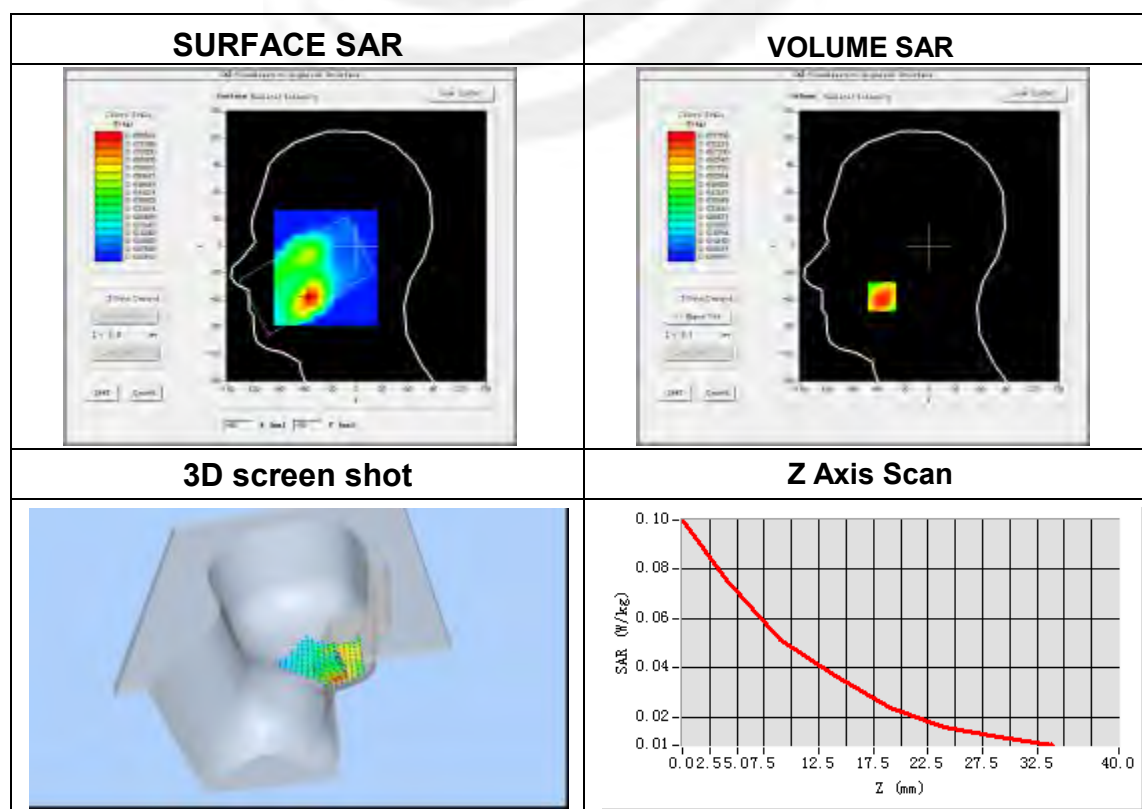
Plot 12: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	4.71
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	GSM1900
Channels	High
Signal	TDMA (Crest factor: 4.0)
Frequency (MHz)	1909.8
Relative permittivity (real part)	40.00
Conductivity (S/m)	1.40
Variation (%)	3.91

Maximum location: X=-55.00, Y=-56.00

SAR Peak: 0.11 W/kg

SAR 10g (W/Kg)	0.046708
SAR 1g (W/Kg)	0.076564



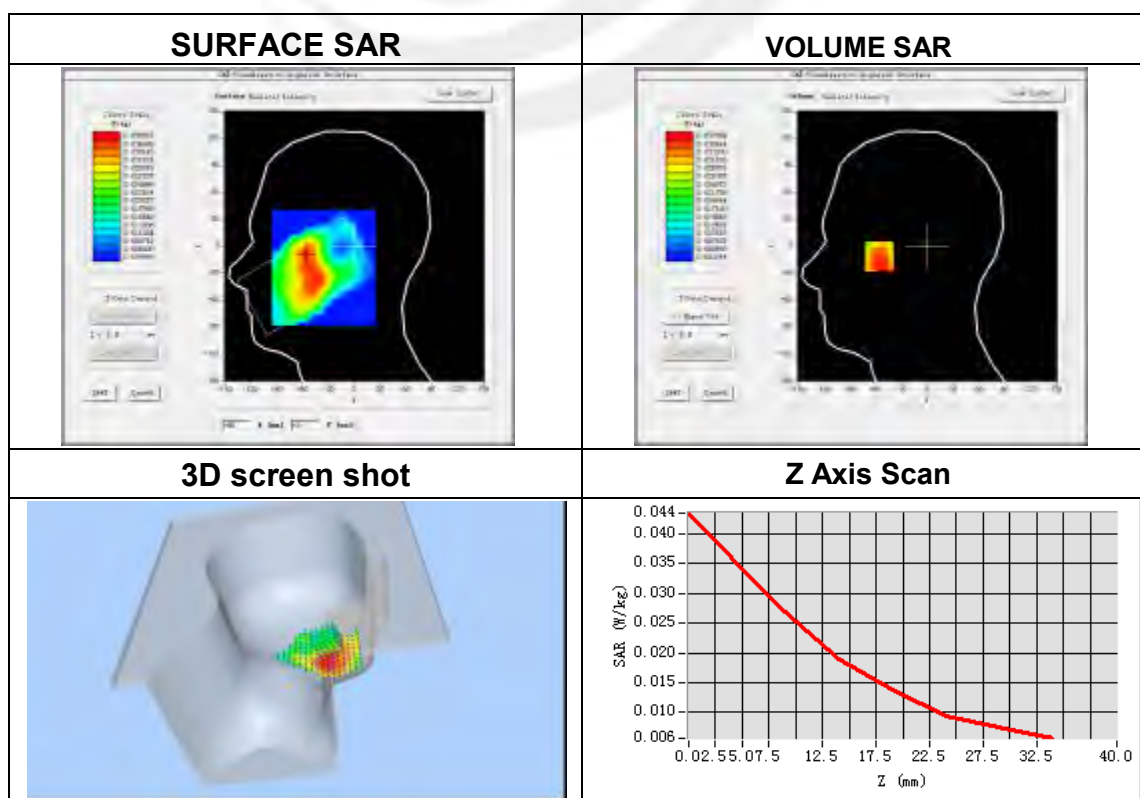
Plot 13: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.71
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Tilt
Band	GSM1900
Channels	High
Signal	TDMA (Crest factor: 4.0)
Frequency (MHz)	1909.8
Relative permittivity (real part)	40.00
Conductivity (S/m)	1.40
Variation (%)	2.76

Maximum location: X=-56.00, Y=-9.00

SAR Peak: 0.05 W/kg

SAR 10g (W/Kg)	0.024284
SAR 1g (W/Kg)	0.036742

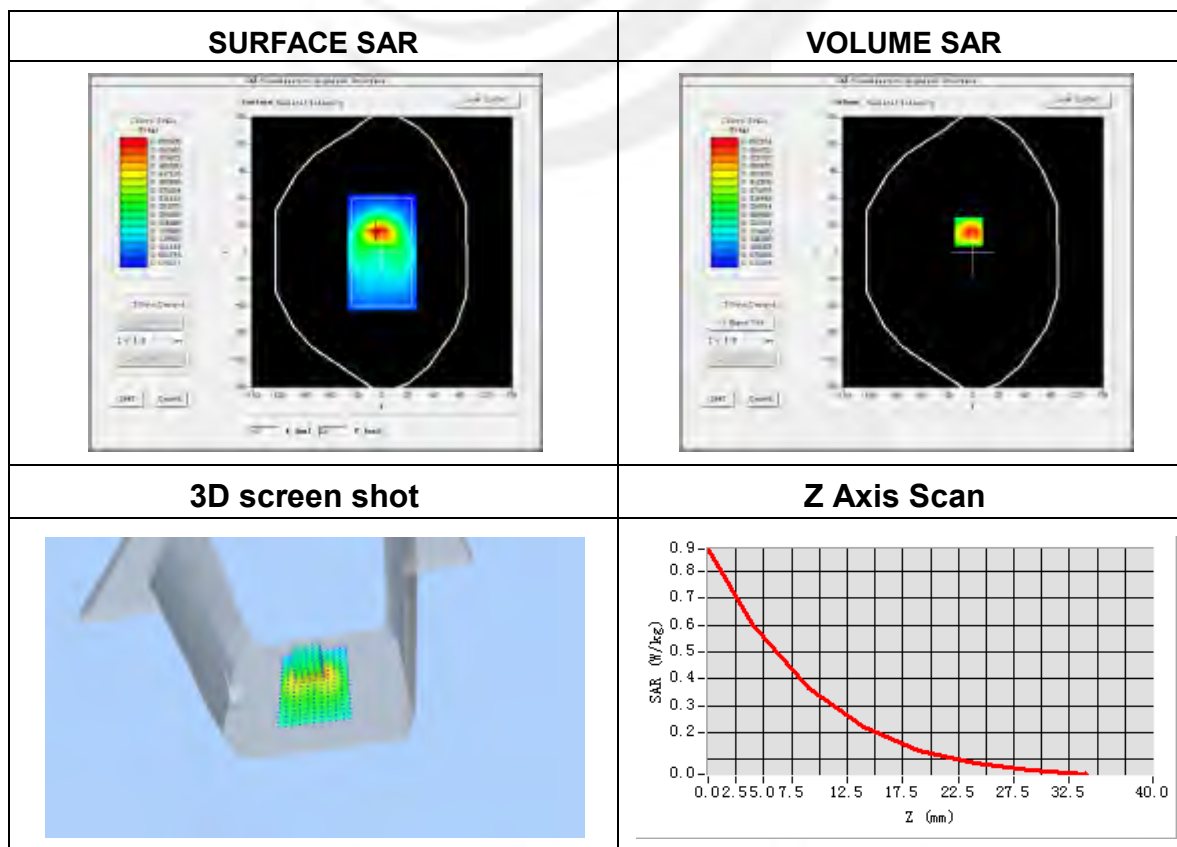


Plot 14: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	4.85
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body front
Band	EGPRS 1900
Channels	Middle
Signal	Duty Cycle: 4.00 (Crest factor: 4.0)
Frequency (MHz)	1880.0
Relative permittivity (real part)	53.30
Conductivity (S/m)	1.52
Variation (%)	-0.62

Maximum location: X=-5.00, Y=23.00
SAR Peak:0.90 W/kg

SAR 10g (W/Kg)	0.325236
SAR 1g (W/Kg)	0.572475

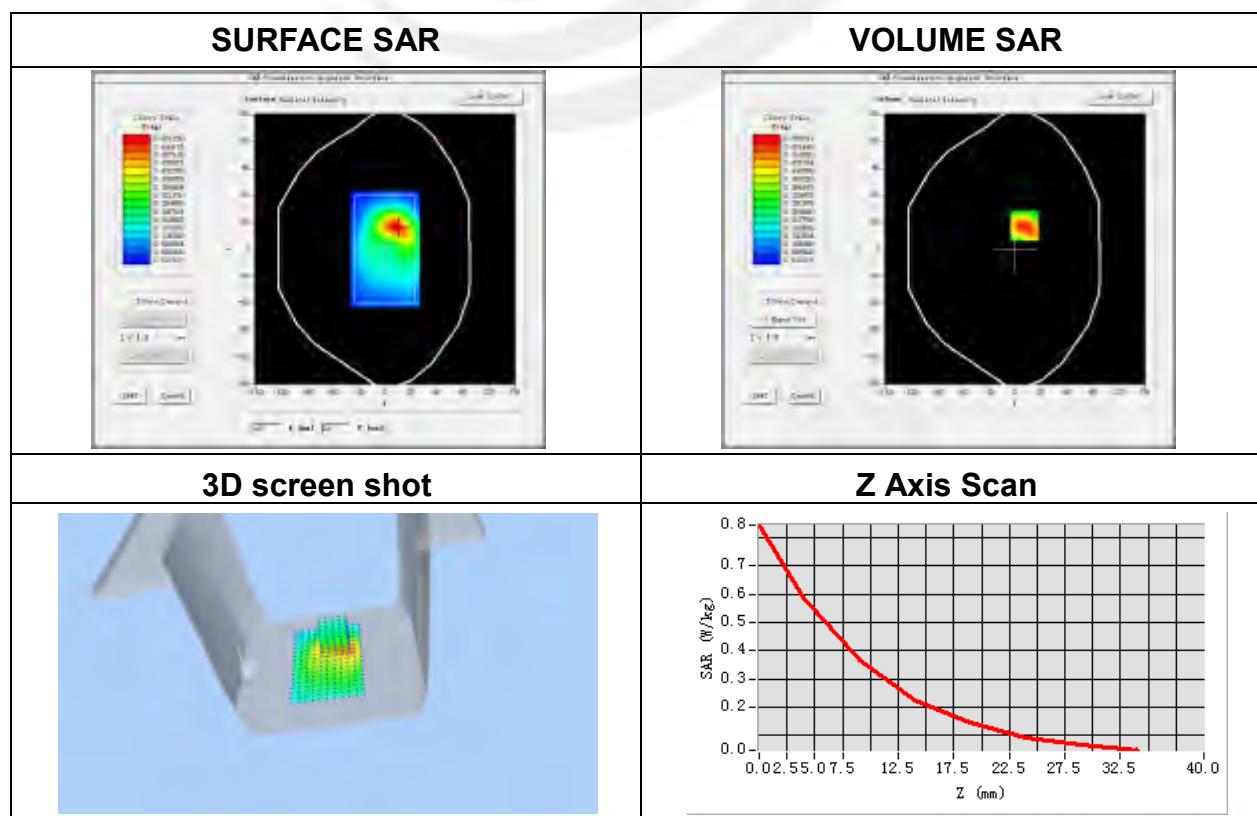


Plot 15: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.85
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body Behind
Band	EGPRS 1900
Channels	Middle
Signal	Duty Cycle: 4.00 (Crest factor: 4.0)
Frequency (MHz)	1880.0
Relative permittivity (real part)	53.30
Conductivity (S/m)	1.52
Variation (%)	-1.44

Maximum location: X=11.00, Y=26.00
SAR Peak: 0.90 W/kg

SAR 10g (W/Kg)	0.322612
SAR 1g (W/Kg)	0.560988



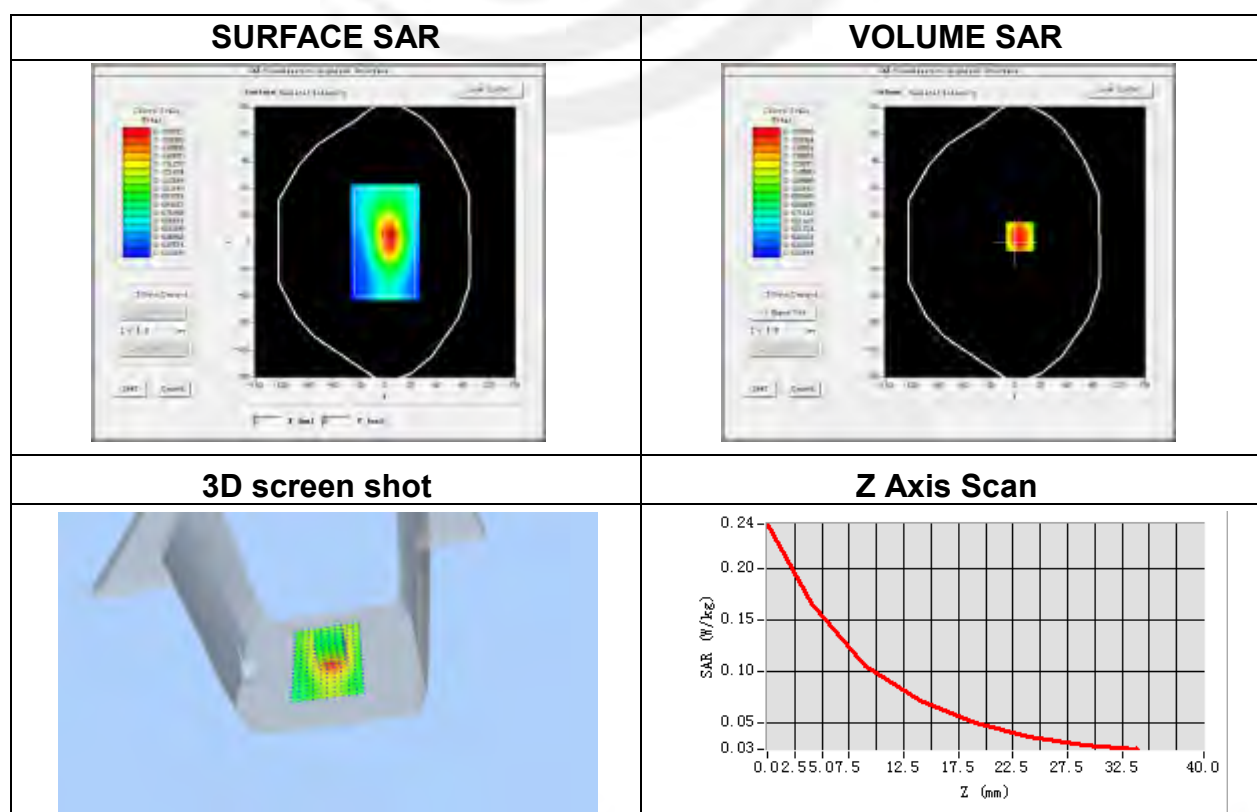
Plot 16: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.85
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body right side
Band	EGPRS 1900
Channels	Middle
Signal	Duty Cycle: 4.00 (Crest factor: 4.0)
Frequency (MHz)	1880.0
Relative permittivity (real part)	53.30
Conductivity (S/m)	1.52
Variation (%)	-0.17

Maximum location: X=6.00, Y=6.00

SAR Peak: 0.25 W/kg

SAR 10g (W/Kg)	0.101116
SAR 1g (W/Kg)	0.164128



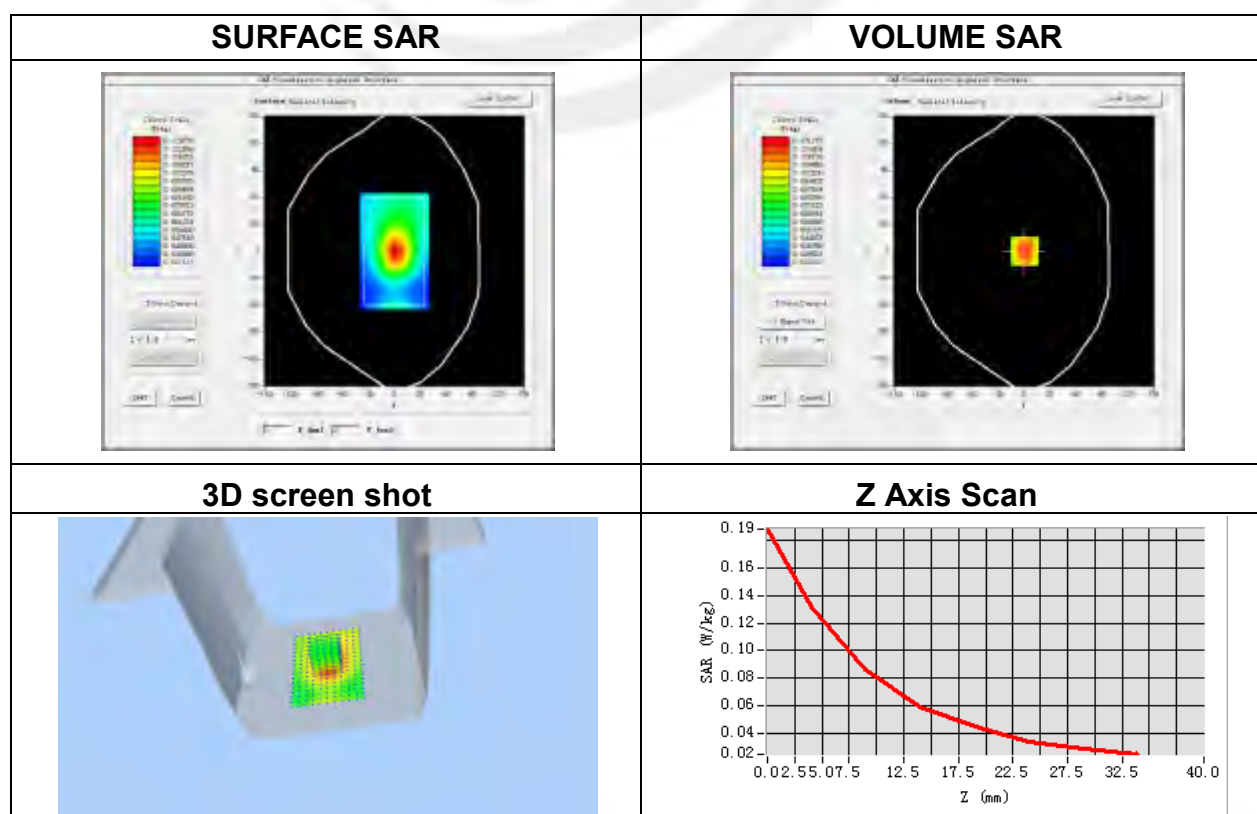
Plot 17: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.85
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body lift side
Band	EGPRS 1900
Channels	Middle
Signal	Duty Cycle: 4.00 (Crest factor: 4.0)
Frequency (MHz)	1880.0
Relative permittivity (real part)	53.30
Conductivity (S/m)	1.52
Variation (%)	-1.00

Maximum location: X=1.00, Y=0.00

SAR Peak: 0.19 W/kg

SAR 10g (W/Kg)	0.081372
SAR 1g (W/Kg)	0.125756

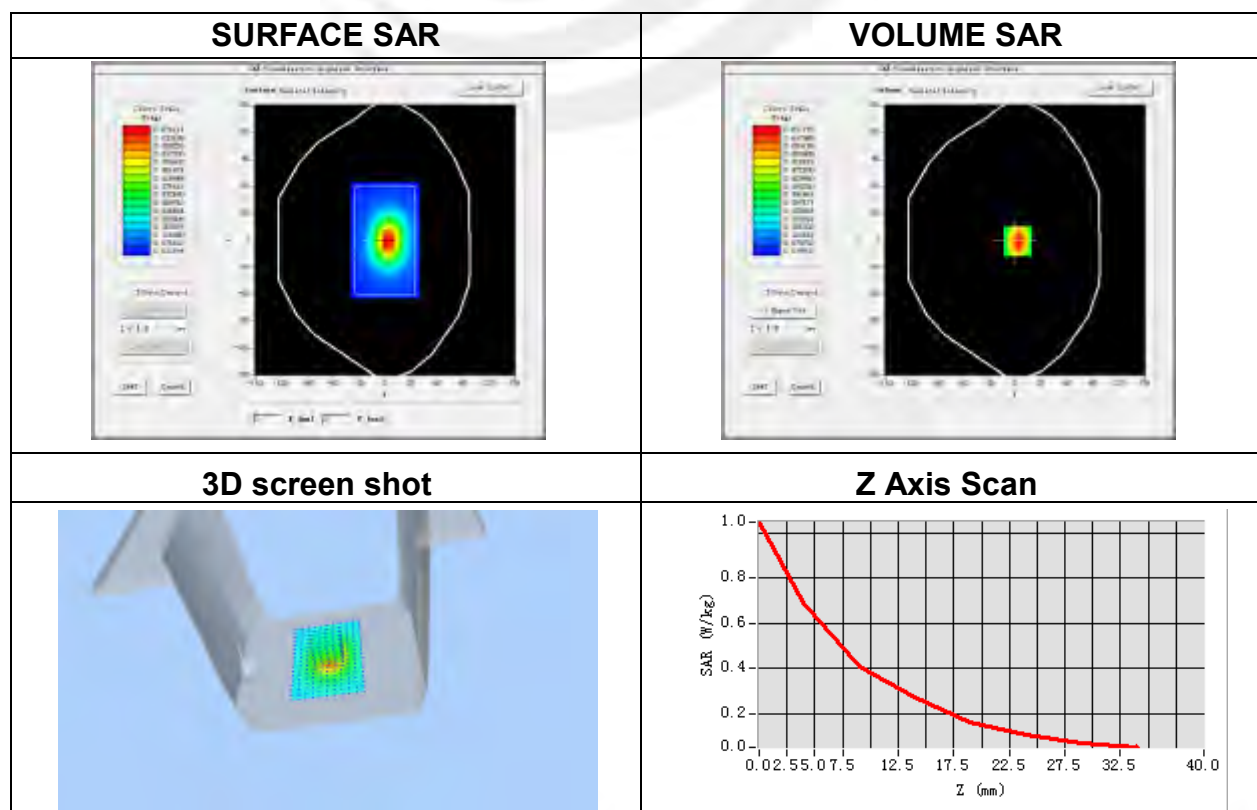


Plot 18: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.85
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body bottom side
Band	EGPRS 1900
Channels	Middle
Signal	Duty Cycle: 4.00 (Crest factor: 4.0)
Frequency (MHz)	1880.0
Relative permittivity (real part)	53.30
Conductivity (S/m)	1.52
Variation (%)	-3.68

Maximum location: X=3.00, Y=-1.00
SAR Peak: 1.10 W/kg

SAR 10g (W/Kg)	0.373852
SAR 1g (W/Kg)	0.677611



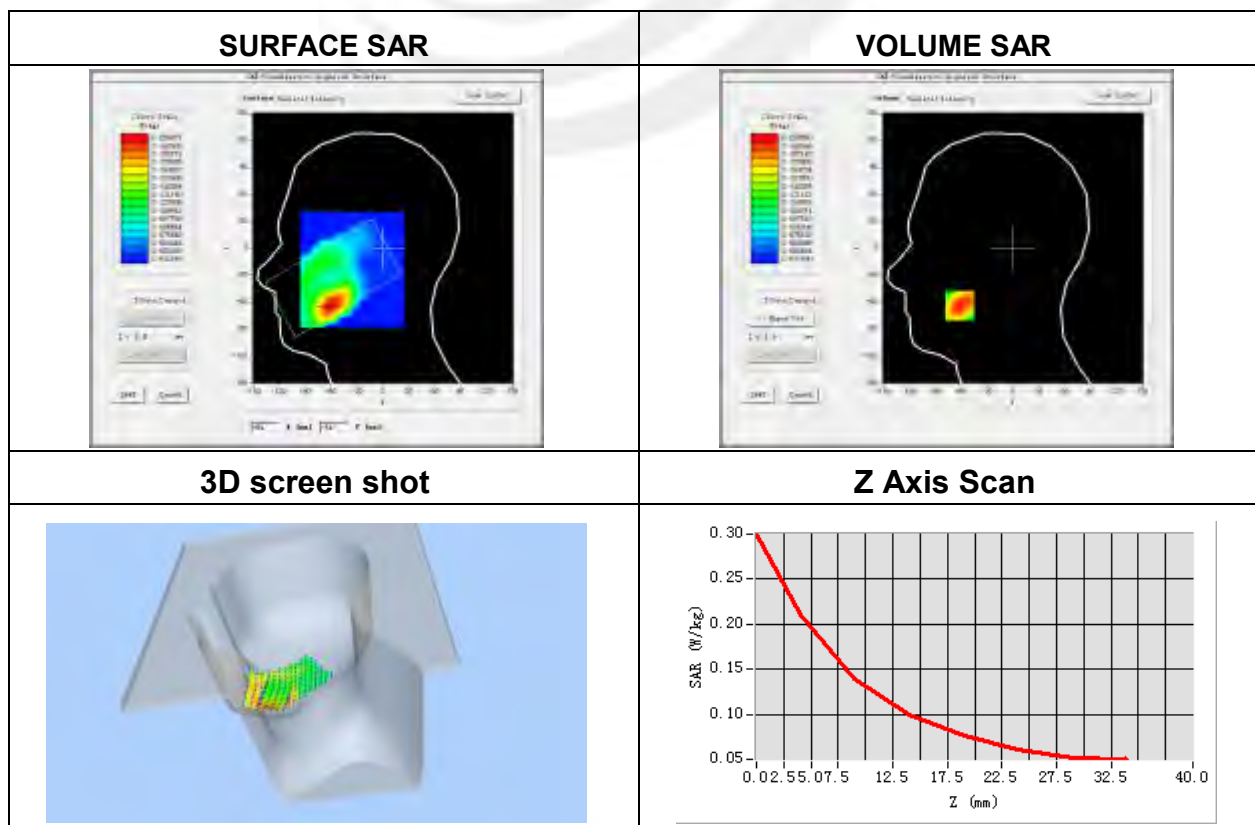
Plot 19: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.71
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Right head
Device Position	Cheek
Band	WCDMA II
Channels	Low
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1852.4
Relative permittivity (real part)	40.00
Conductivity (S/m)	1.40
Variation (%)	3.47

Maximum location: X=-62.00, Y=-64.00

SAR Peak: 0.30 W/kg

SAR 10g (W/Kg)	0.135449
SAR 1g (W/Kg)	0.206515



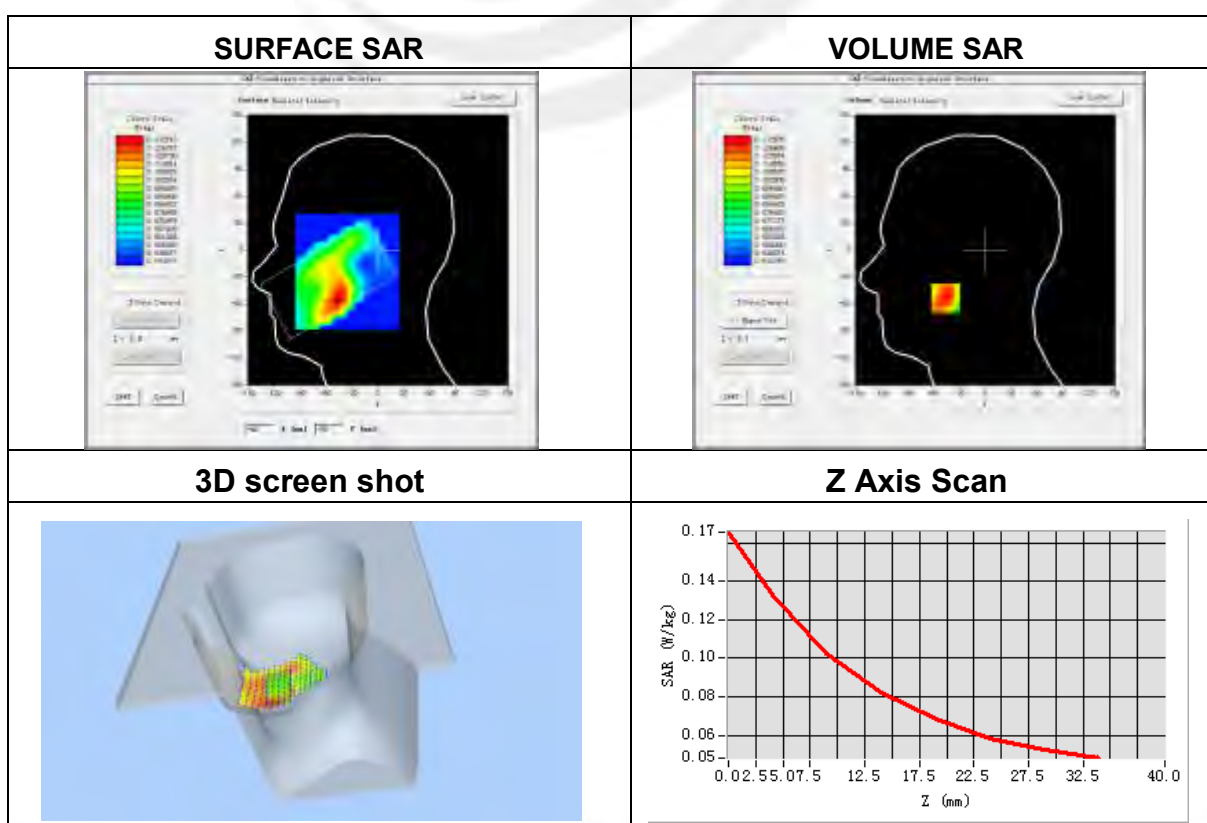
Plot 20: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.71
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Right head
Device Position	Tilt
Band	WCDMA II
Channels	Low
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1852.4
Relative permittivity (real part)	40.00
Conductivity (S/m)	1.40
Variation (%)	0.40

Maximum location: X=-46.00, Y=-53.00

SAR Peak: 0.17 W/kg

SAR 10g (W/Kg)	0.097079
SAR 1g (W/Kg)	0.130252



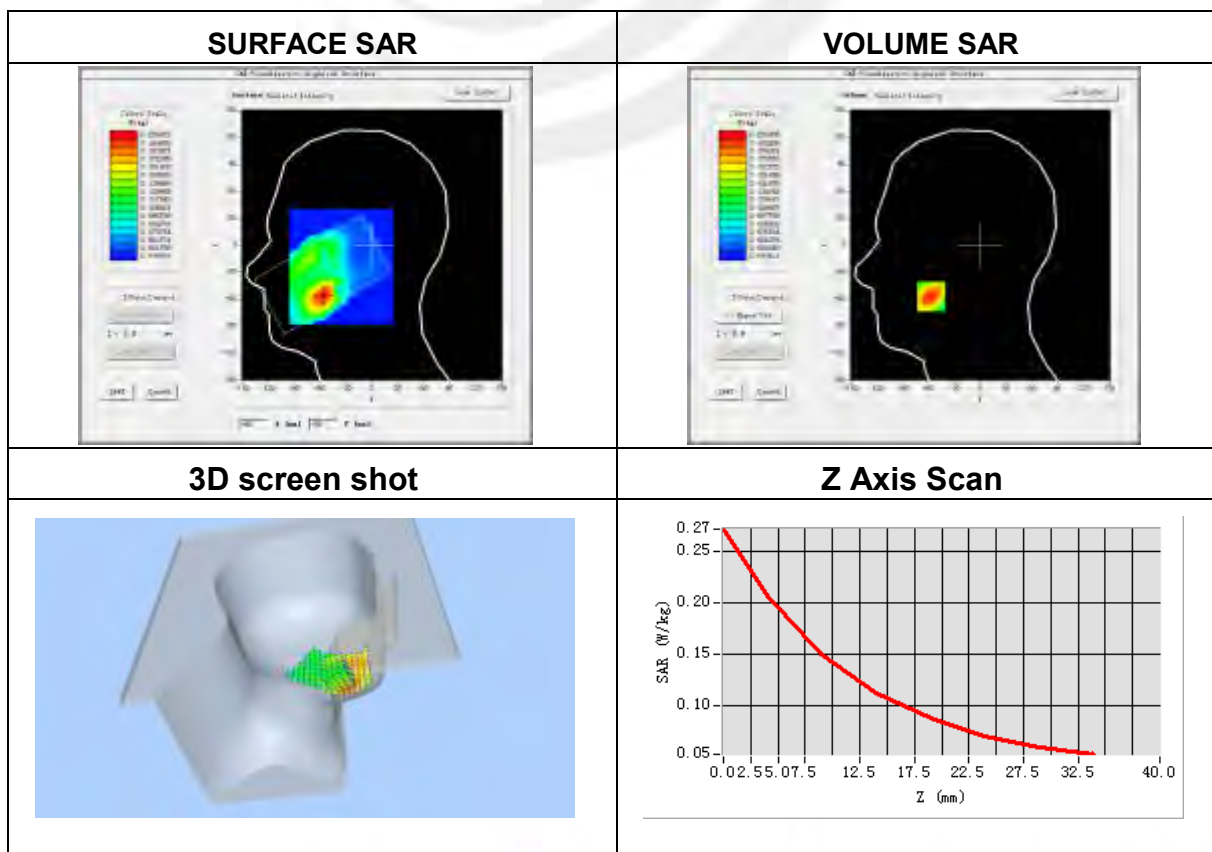
Plot 21: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.71
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	WCDMA II
Channels	Low
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1852.4
Relative permittivity (real part)	40.00
Conductivity (S/m)	1.40
Variation (%)	0.59

Maximum location: X=-57.00, Y=-57.00

SAR Peak: 0.27 W/kg

SAR 10g (W/Kg)	0.136829
SAR 1g (W/Kg)	0.200356



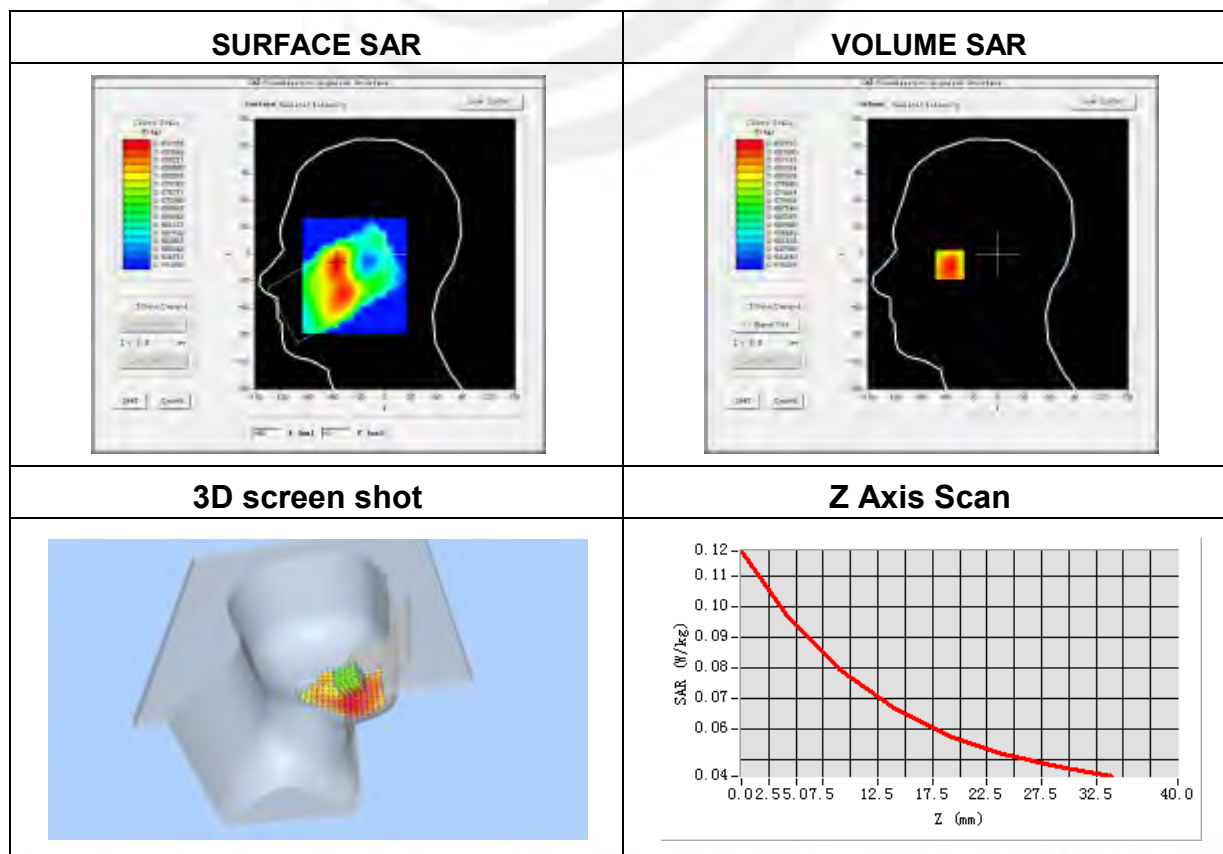
Plot 22: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.71
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Tilt
Band	WCDMA II
Channels	Low
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1852.4
Relative permittivity (real part)	40.00
Conductivity (S/m)	1.40
Variation (%)	-0.09

Maximum location: X=-56.00, Y=-10.00

SAR Peak: 0.12 W/kg

SAR 10g (W/Kg)	0.076069
SAR 1g (W/Kg)	0.096317



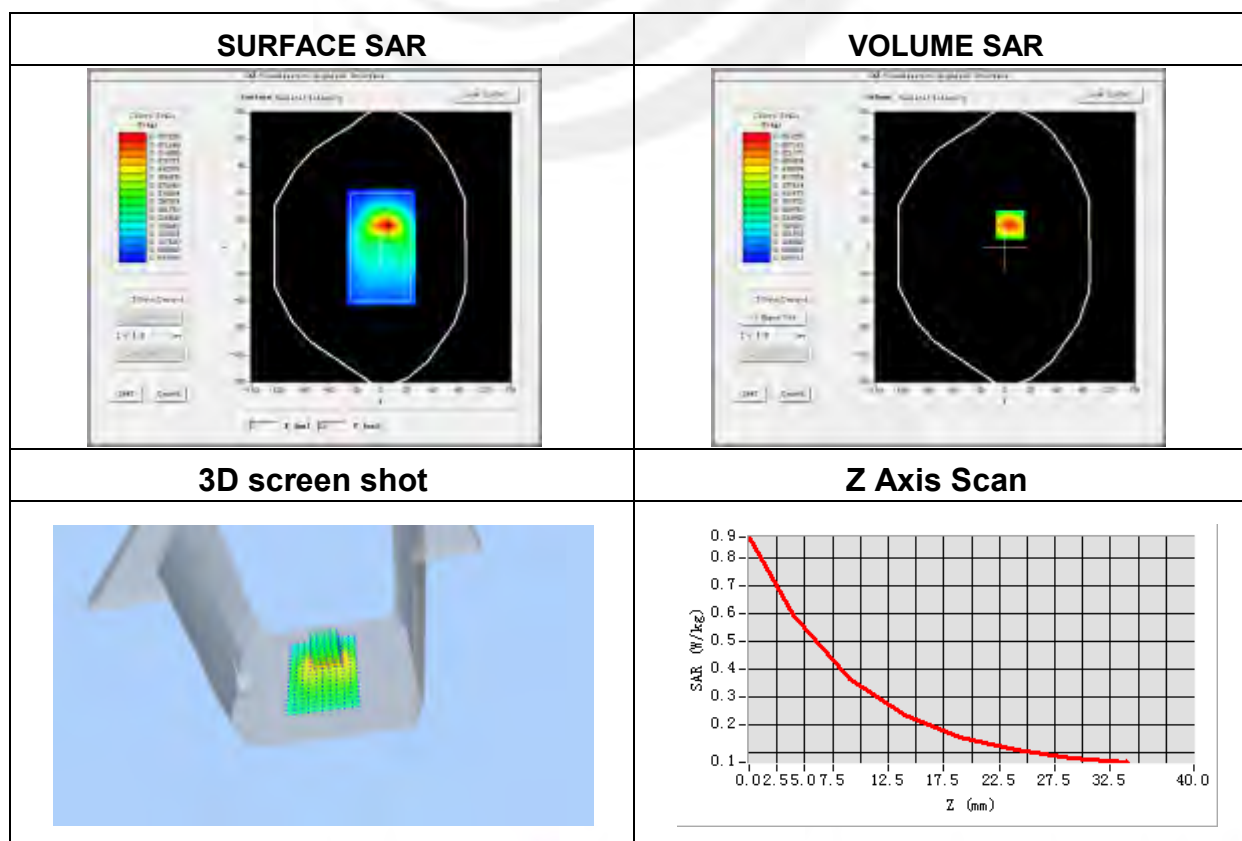
Plot 23: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.85
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body Front
Band	WCDMA II
Channels	Low
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1852.4
Relative permittivity (real part)	53.30
Conductivity (S/m)	1.52
Variation (%)	0.62

Maximum location: X=6.00, Y=25.00

SAR Peak: 0.87 W/kg

SAR 10g (W/Kg)	0.333362
SAR 1g (W/Kg)	0.570002



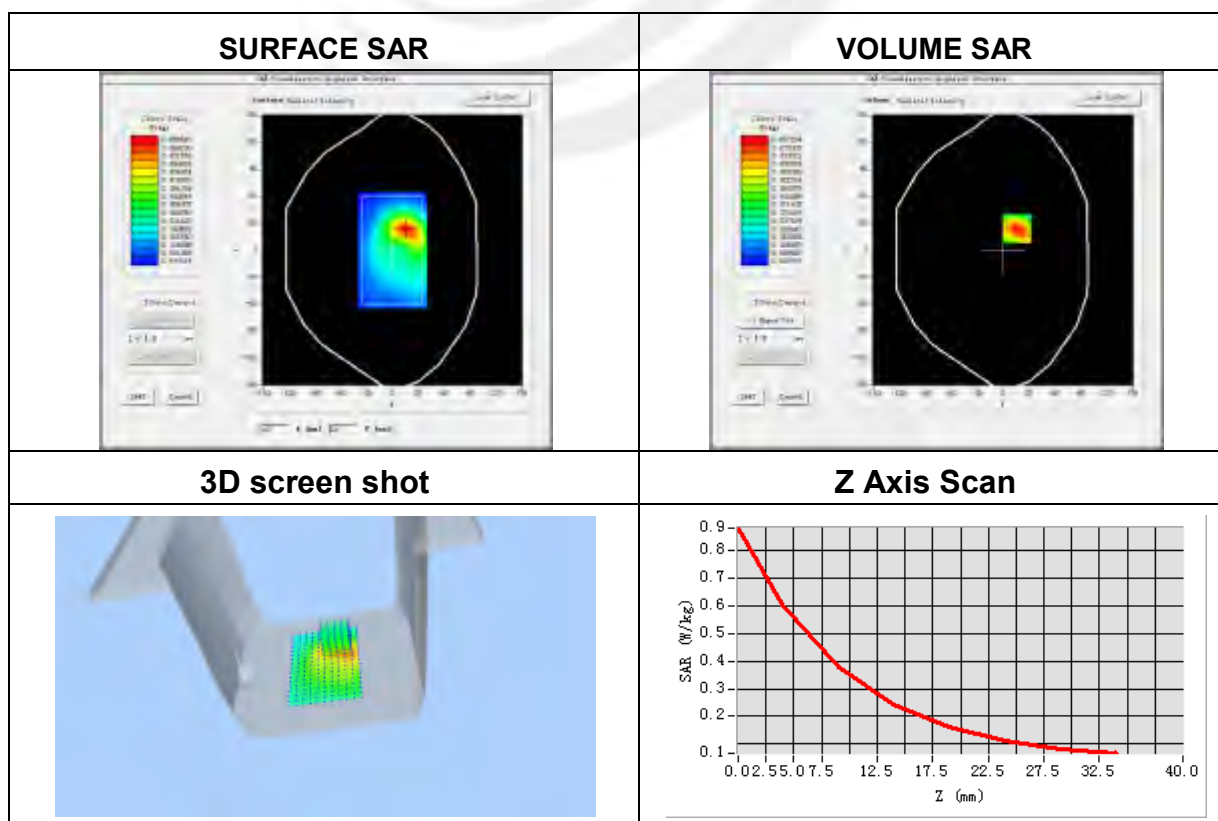
Plot 24: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.85
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back side
Band	WCDMA II
Channels	Low
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1852.4
Relative permittivity (real part)	39.71
Conductivity (S/m)	1.40
Variation (%)	-0.12

Maximum location: X=16.00, Y=24.00

SAR Peak: 0.89 W/kg

SAR 10g (W/Kg)	0.348375
SAR 1g (W/Kg)	0.585053



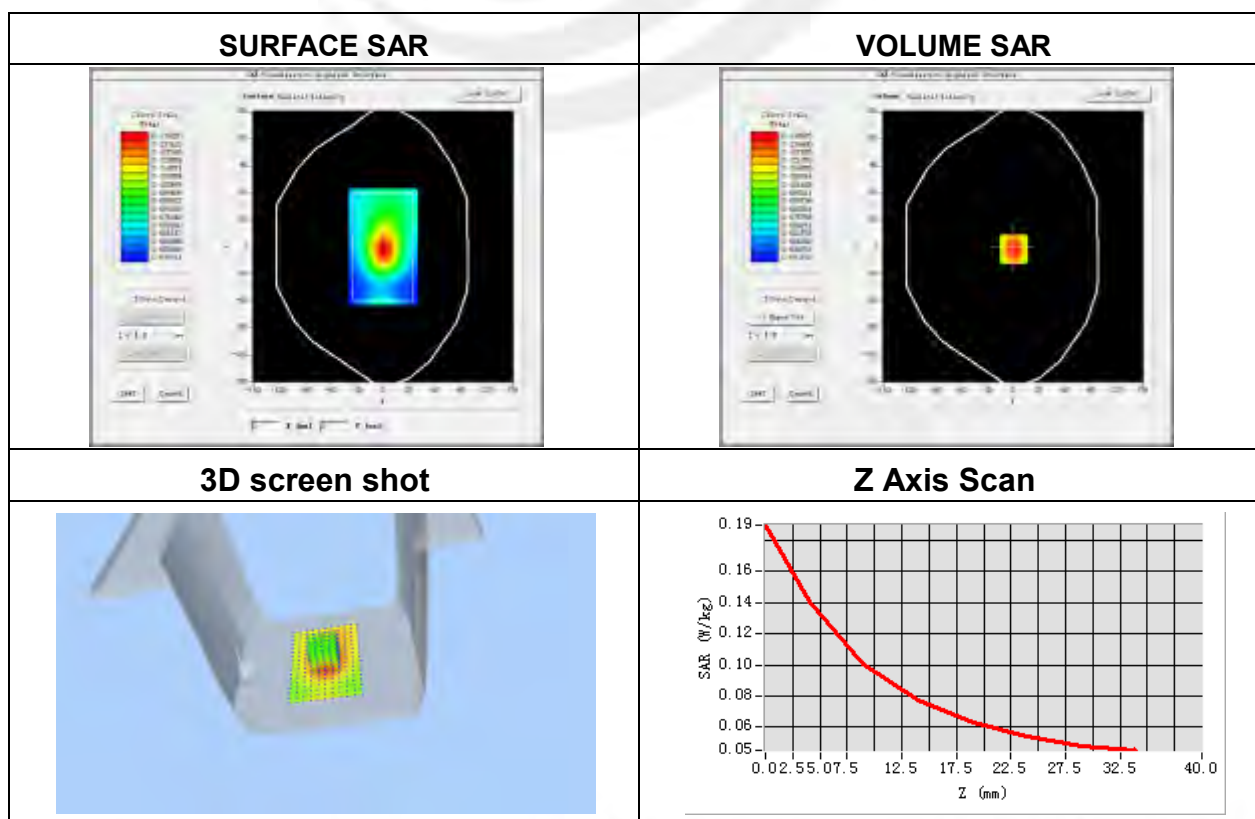
Plot 25: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.85
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body left side
Band	WCDMA II
Channels	Low
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1852.4
Relative permittivity (real part)	53.30
Conductivity (S/m)	1.52
Variation (%)	-0.40

Maximum location: X=1.00, Y=-3.00

SAR Peak: 0.19 W/kg

SAR 10g (W/Kg)	0.097814
SAR 1g (W/Kg)	0.138768



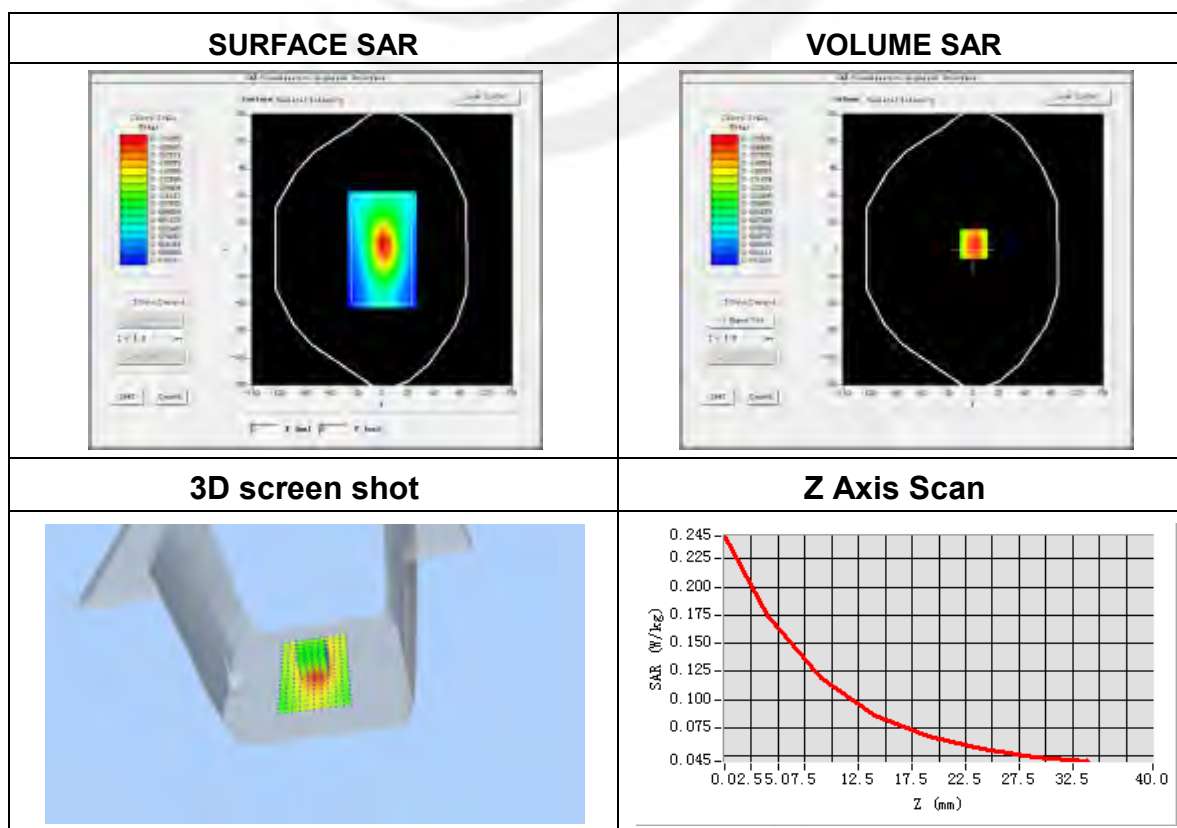
Plot 26: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.85
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body right side
Band	WCDMA II
Channels	Low
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1852.4
Relative permittivity (real part)	53.30
Conductivity (S/m)	1.52
Variation (%)	-0.29

Maximum location: X=1.00, Y=6.00

SAR Peak:0.25 W/kg

SAR 10g (W/Kg)	0.115520
SAR 1g (W/Kg)	0.171862



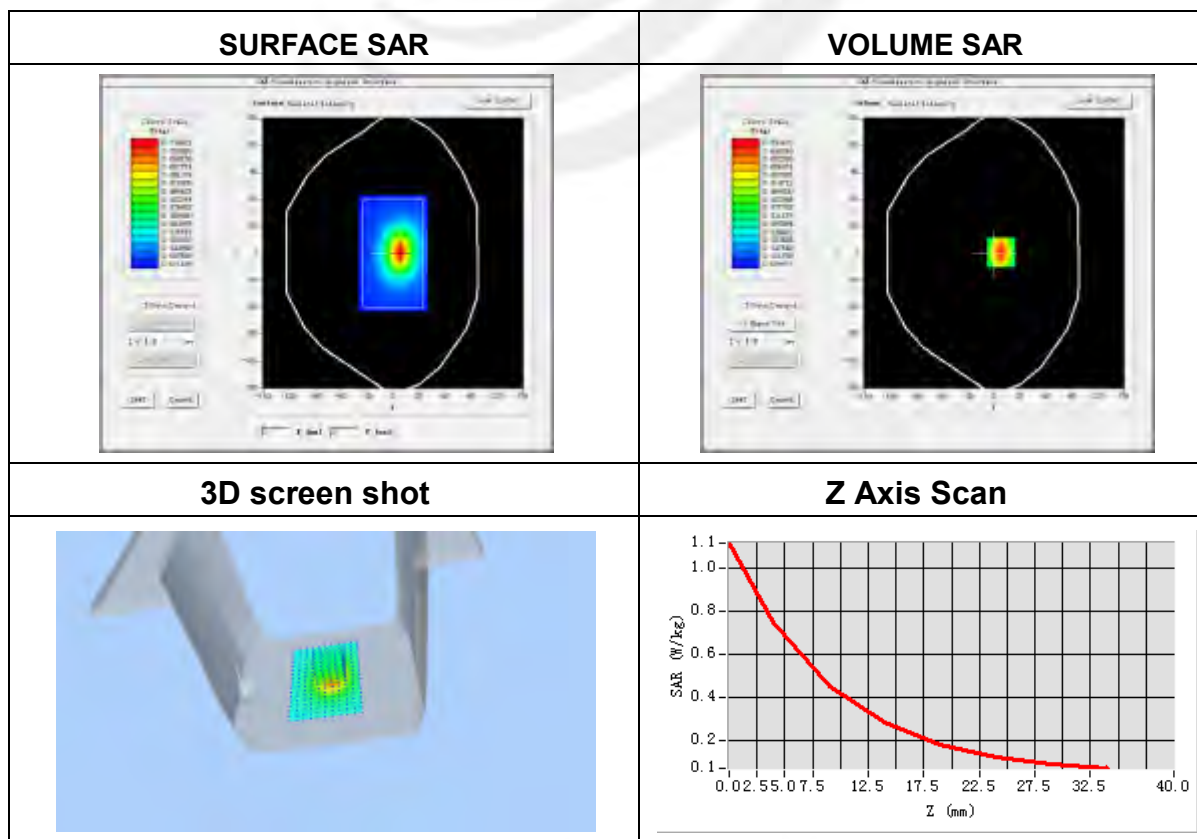
Plot 27: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.85
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body Bottom side
Band	WCDMA II
Channels	Low
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1852.4
Relative permittivity (real part)	53.30
Conductivity (S/m)	1.52
Variation (%)	-0.81

Maximum location: X=8.00, Y=1.00

SAR Peak: 1.11 W/kg

SAR 10g (W/Kg)	0.405237
SAR 1g (W/Kg)	0.712161



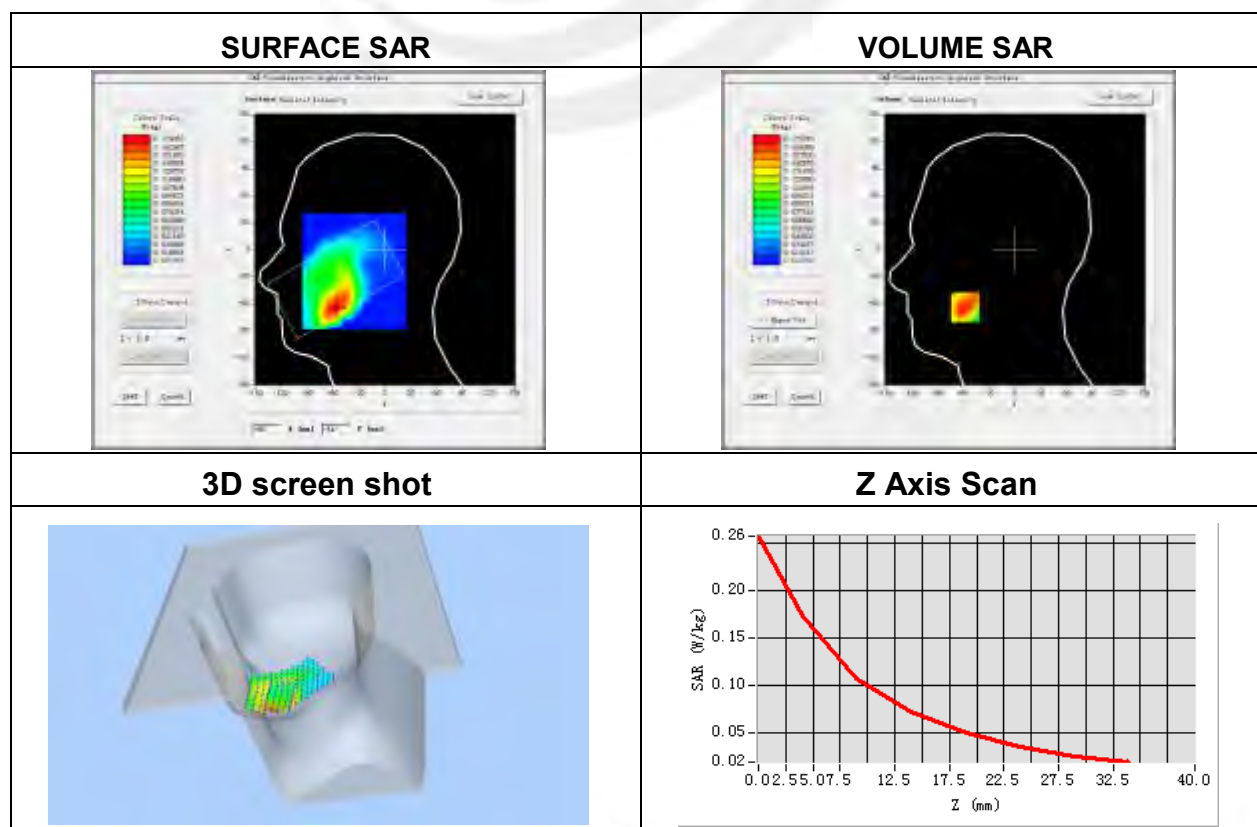
Plot 28: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.25
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Right head
Device Position	Cheek
Band	WCDMA IV
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1752.4
Relative permittivity (real part)	52.6
Conductivity (S/m)	1.38
Variation (%)	0.30

Maximum location: X=-58.00, Y=-64.00

SAR Peak: 0.36 W/kg

SAR 10g (W/Kg)	0.101163
SAR 1g (W/Kg)	0.151044



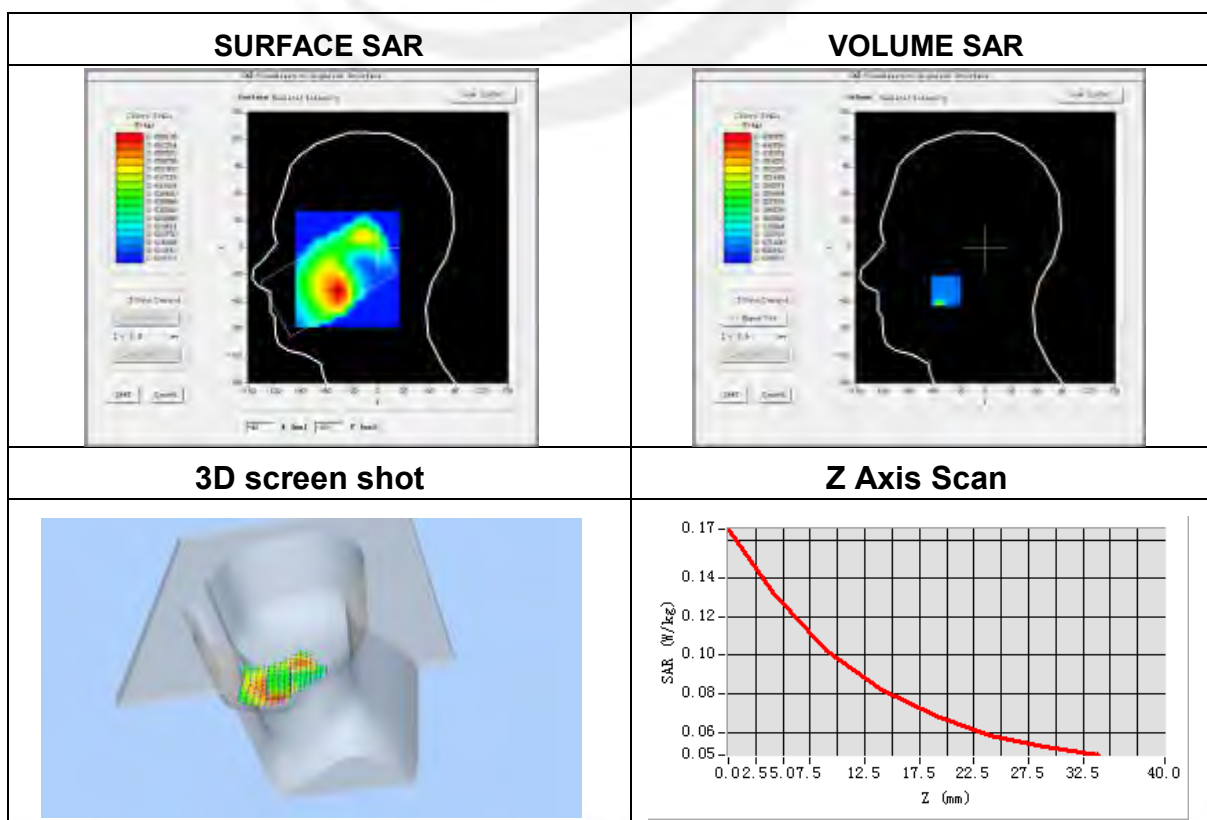
Plot 29: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.25
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Right head
Device Position	Tilt
Band	WCDMA IV
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1752.4
Relative permittivity (real part)	52.6
Conductivity (S/m)	1.38
Variation (%)	0.87

Maximum location: X=-46.00, Y=-48.00

SAR Peak: 0.17 W/kg

SAR 10g (W/Kg)	0.079682
SAR 1g (W/Kg)	0.103625



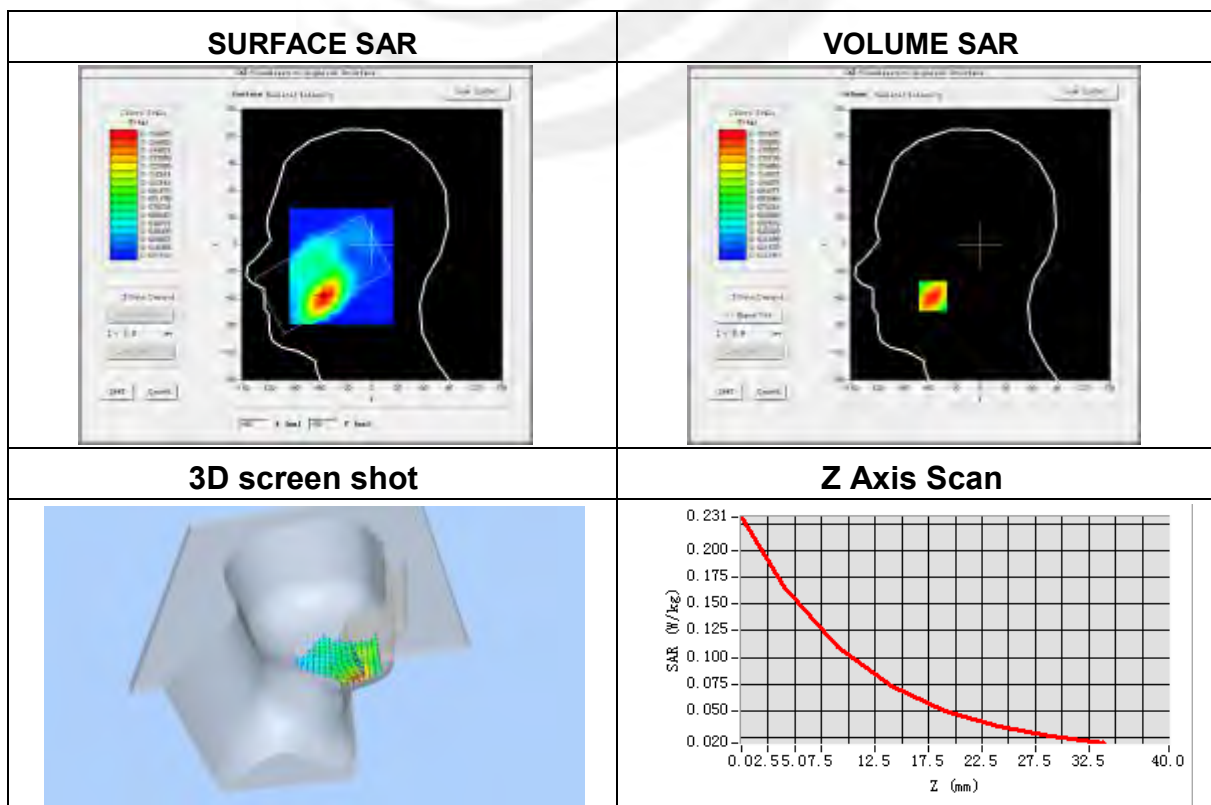
Plot 30: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.25
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	WCDMA IV
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1752.4
Relative permittivity (real part)	52.6
Conductivity (S/m)	1.38
Variation (%)	0.13

Maximum location: X=-55.00, Y=-57.00

SAR Peak: 0.27 W/kg

SAR 10g (W/Kg)	0.098764
SAR 1g (W/Kg)	0.162871



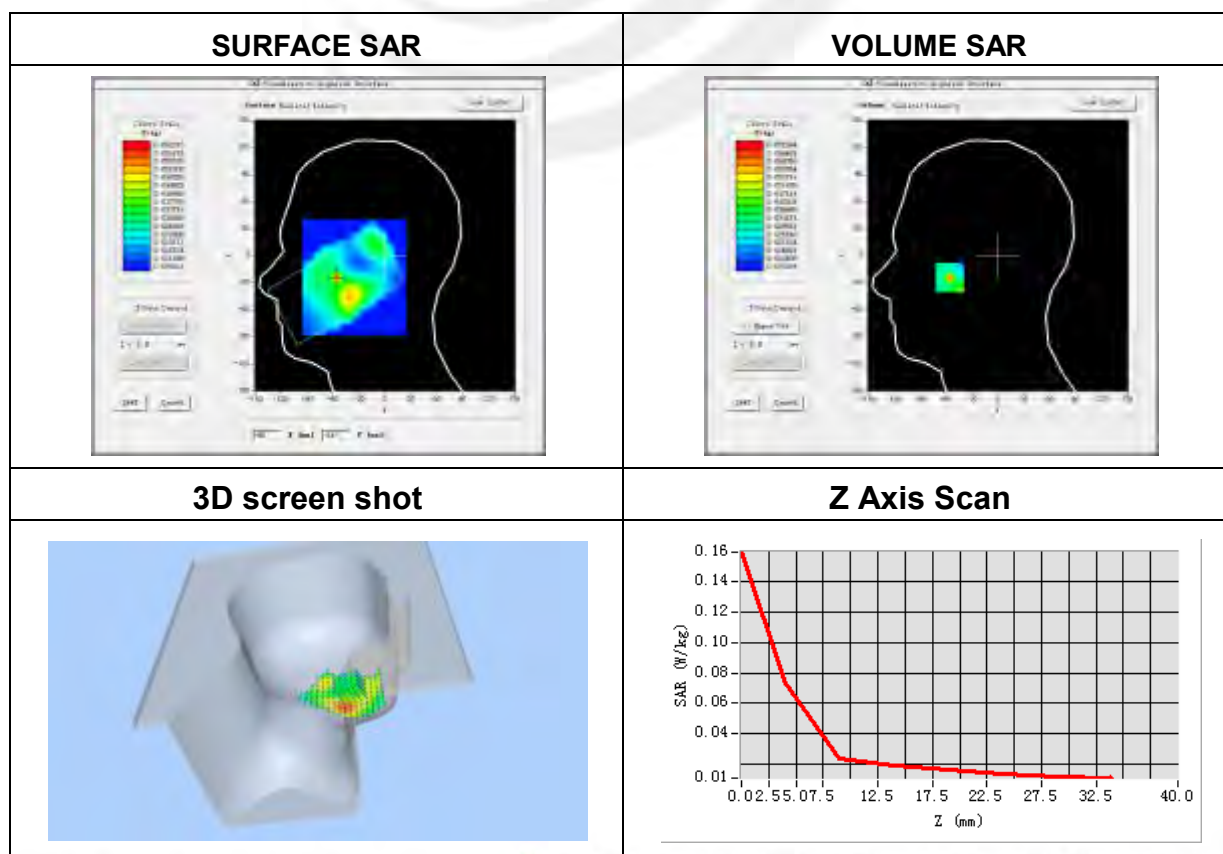
Plot 31: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.25
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Tilt
Band	WCDMA IV
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1752.4
Relative permittivity (real part)	52.6
Conductivity (S/m)	1.38
Variation (%)	1.74

Maximum location: X=-56.00, Y=-24.00

SAR Peak: 0.15 W/kg

SAR 10g (W/Kg)	0.028805
SAR 1g (W/Kg)	0.060661



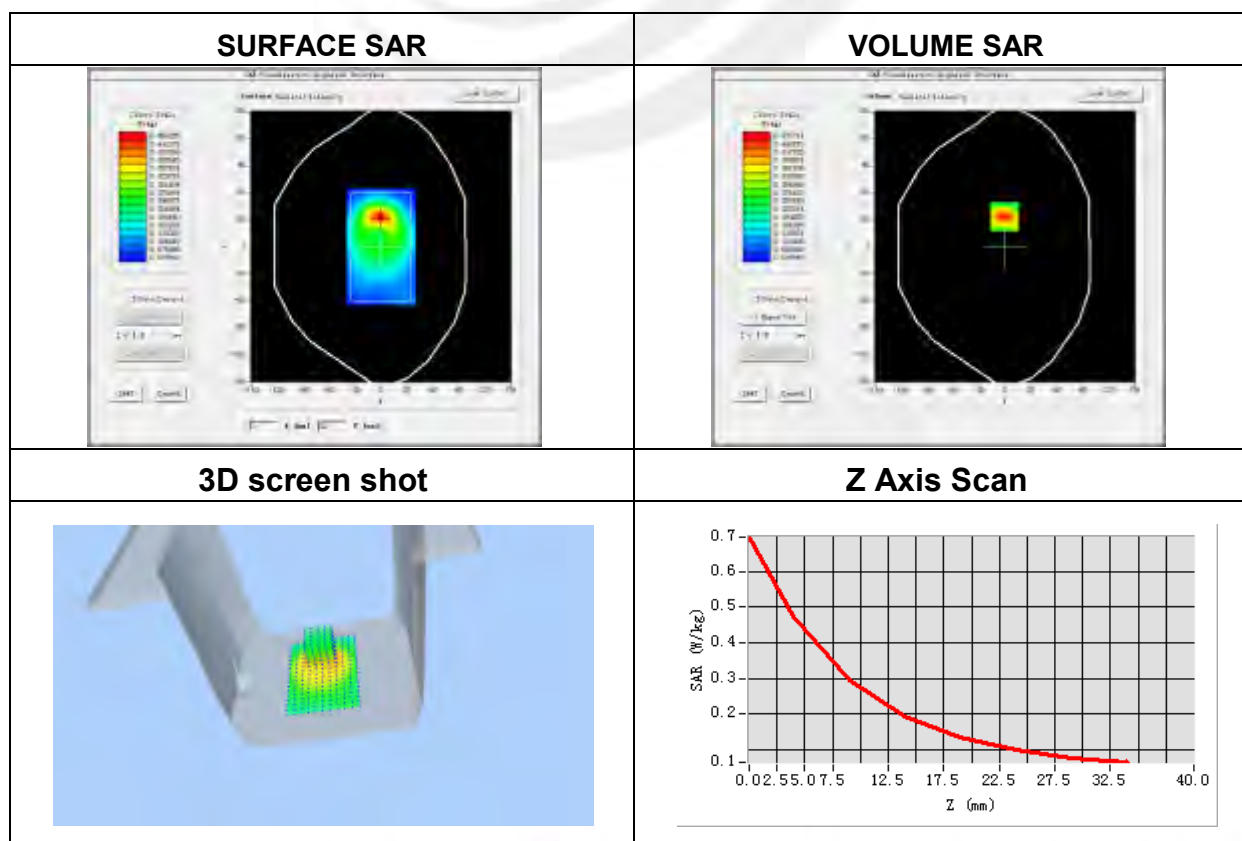
Plot 32: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.34
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body Front
Band	WCDMA IV
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1752.4
Relative permittivity (real part)	52.6
Conductivity (S/m)	1.38
Variation (%)	-0.39

Maximum location: X=-1.00, Y=33.00

SAR Peak: 0.70 W/kg

SAR 10g (W/Kg)	0.266421
SAR 1g (W/Kg)	0.451623



Plot 33: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.34
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back side
Band	WCDMA IV
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1752.4
Relative permittivity (real part)	52.6
Conductivity (S/m)	1.38
Variation (%)	0.06

Maximum location: X=8.00, Y=40.00

SAR Peak: 0.54 W/kg

SAR 10g (W/Kg)	0.221010
SAR 1g (W/Kg)	0.357280



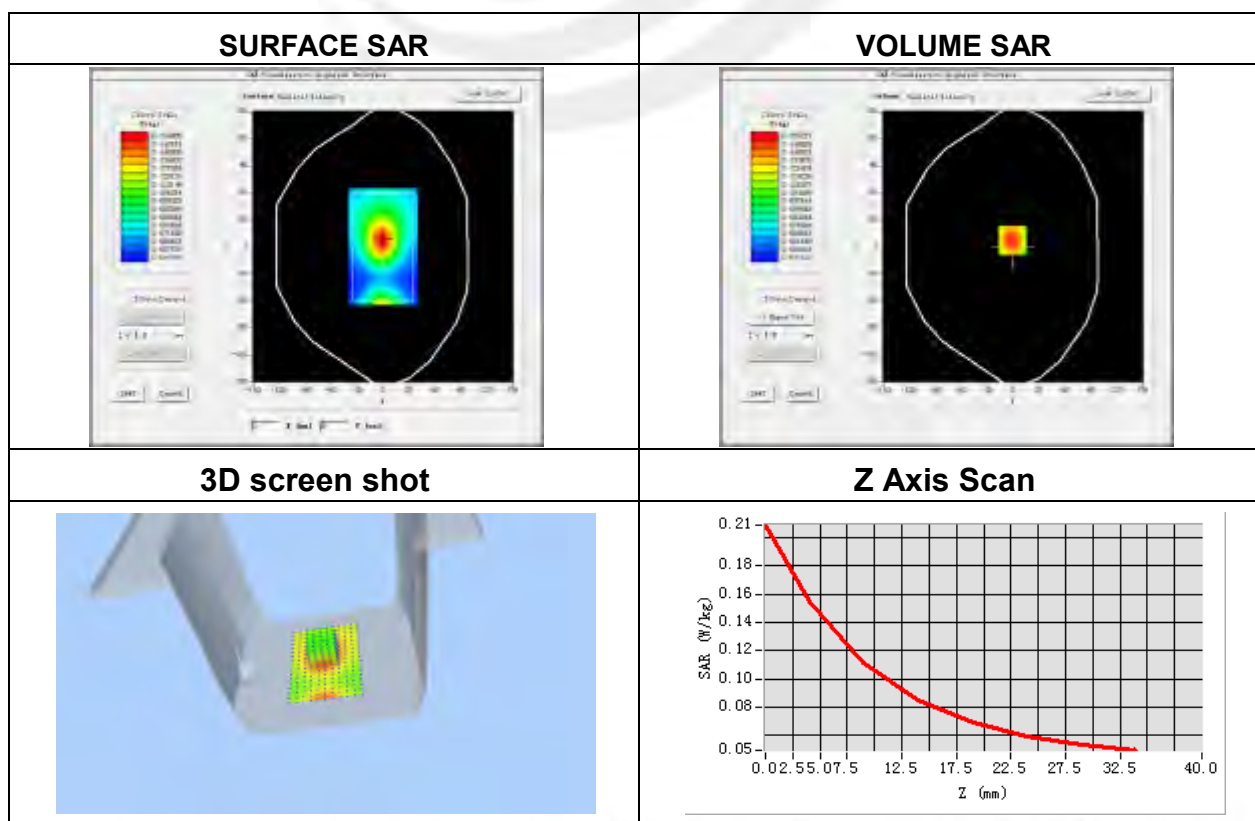
Plot 34: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.34
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body left side
Band	WCDMA IV
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1752.4
Relative permittivity (real part)	52.6
Conductivity (S/m)	1.38
Variation (%)	3.55

Maximum location: X=-1.00, Y=7.00

SAR Peak: 0.21 W/kg

SAR 10g (W/Kg)	0.106910
SAR 1g (W/Kg)	0.151765



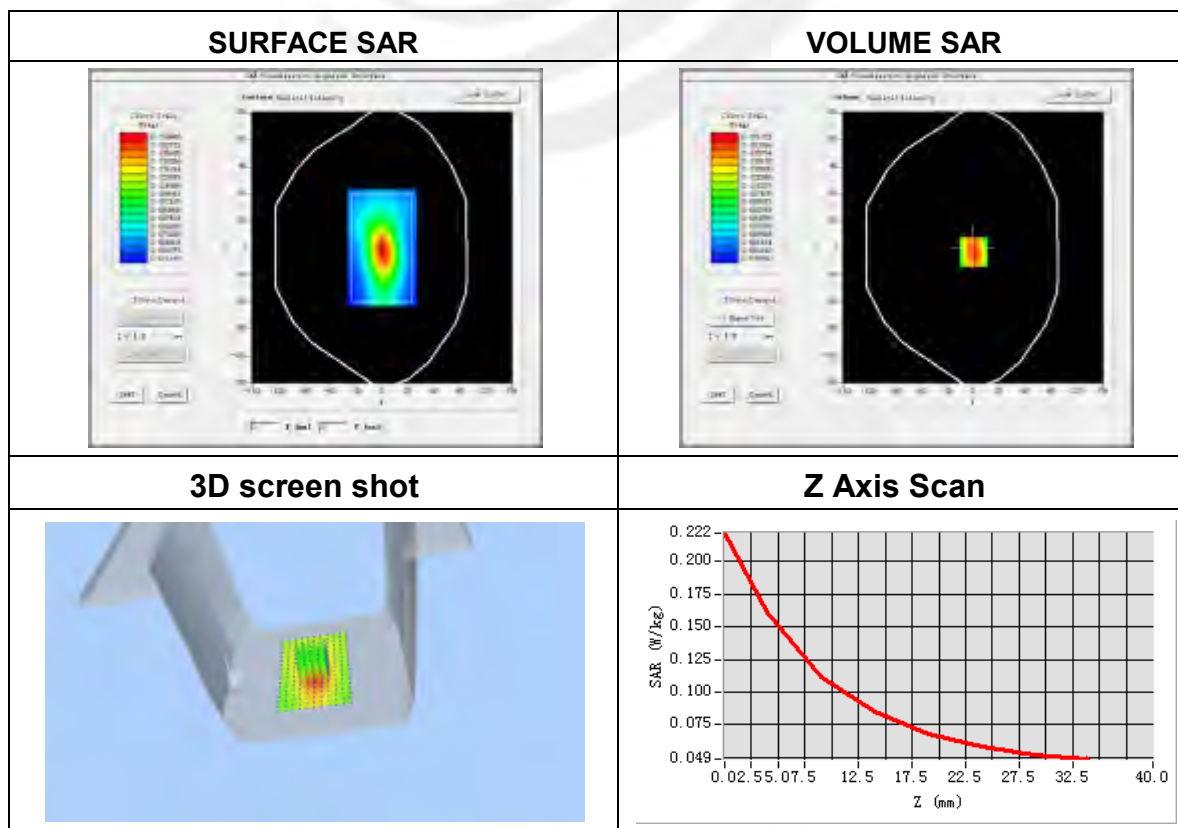
Plot 35: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.34
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body right side
Band	WCDMA IV
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1752.4
Relative permittivity (real part)	52.6
Conductivity (S/m)	1.38
Variation (%)	-0.43

Maximum location: X=1.00, Y=-5.00

SAR Peak:0.22 W/kg

SAR 10g (W/Kg)	0.108247
SAR 1g (W/Kg)	0.156777



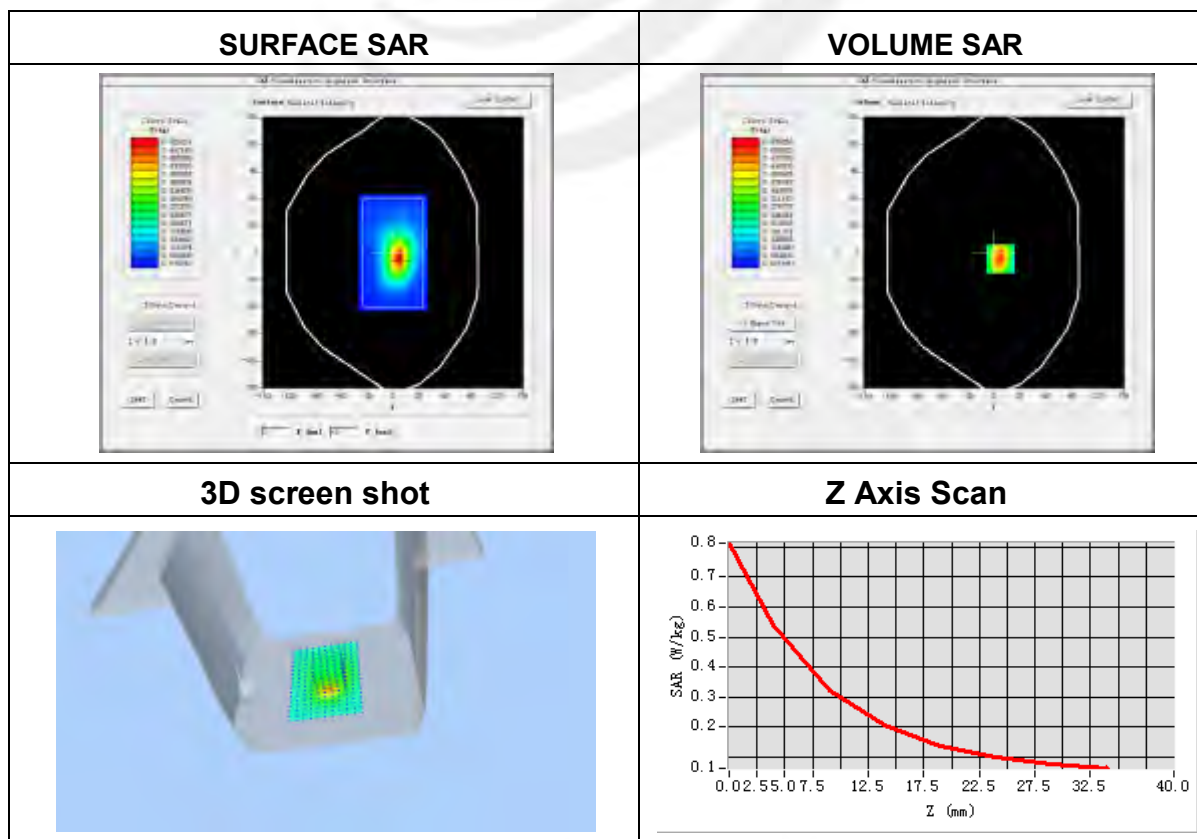
Plot 36: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.34
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body Bottom side
Band	WCDMA IV
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1752.4
Relative permittivity (real part)	52.6
Conductivity (S/m)	1.38
Variation (%)	-0.31

Maximum location: X=7.00, Y=-7.00

SAR Peak: 0.81 W/kg

SAR 10g (W/Kg)	0.288039
SAR 1g (W/Kg)	0.510252



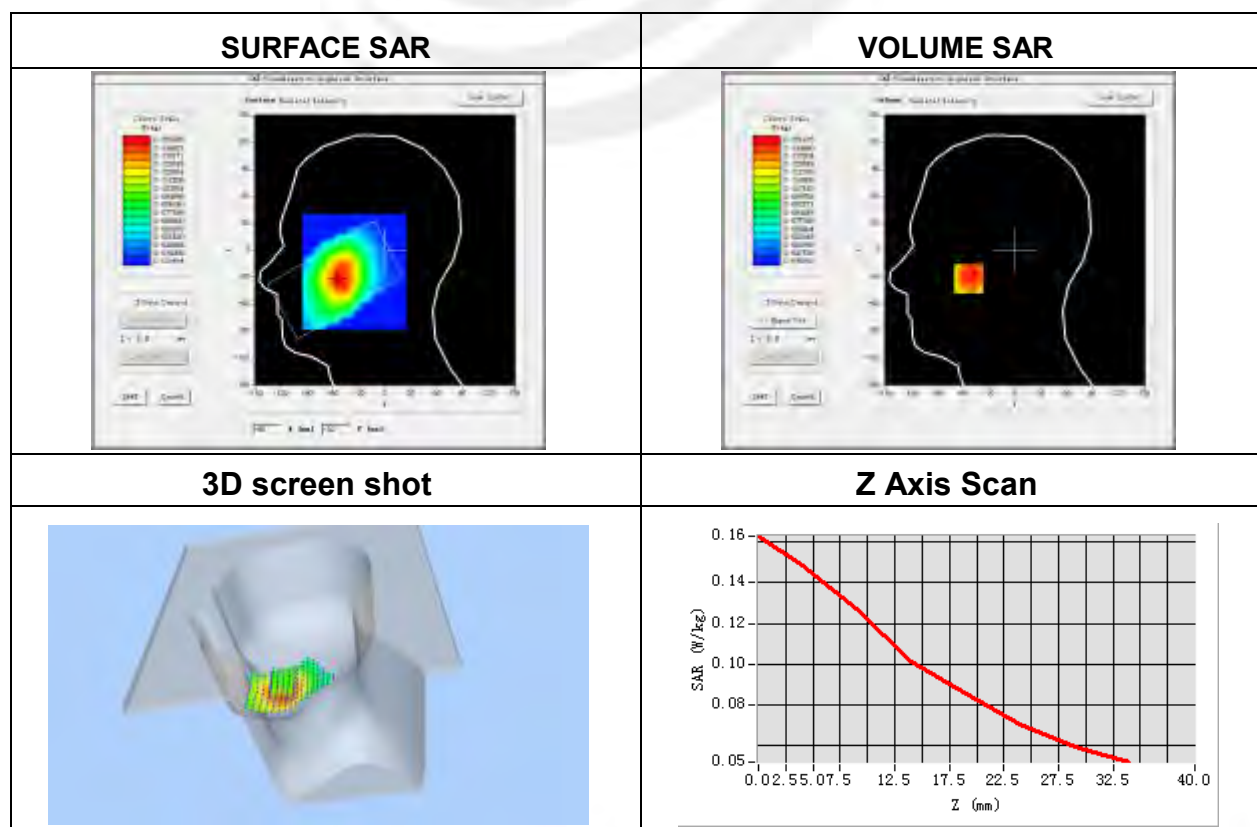
Plot 37: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.83
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Right head
Device Position	Cheek
Band	WCDMA V
Channels	Low
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	826.4
Relative permittivity (real part)	42.27
Conductivity (S/m)	0.91
Variation (%)	-4.93

Maximum location: X=-54.00, Y=-32.00

SAR Peak: 0.18 W/kg

SAR 10g (W/Kg)	0.115906
SAR 1g (W/Kg)	0.147545



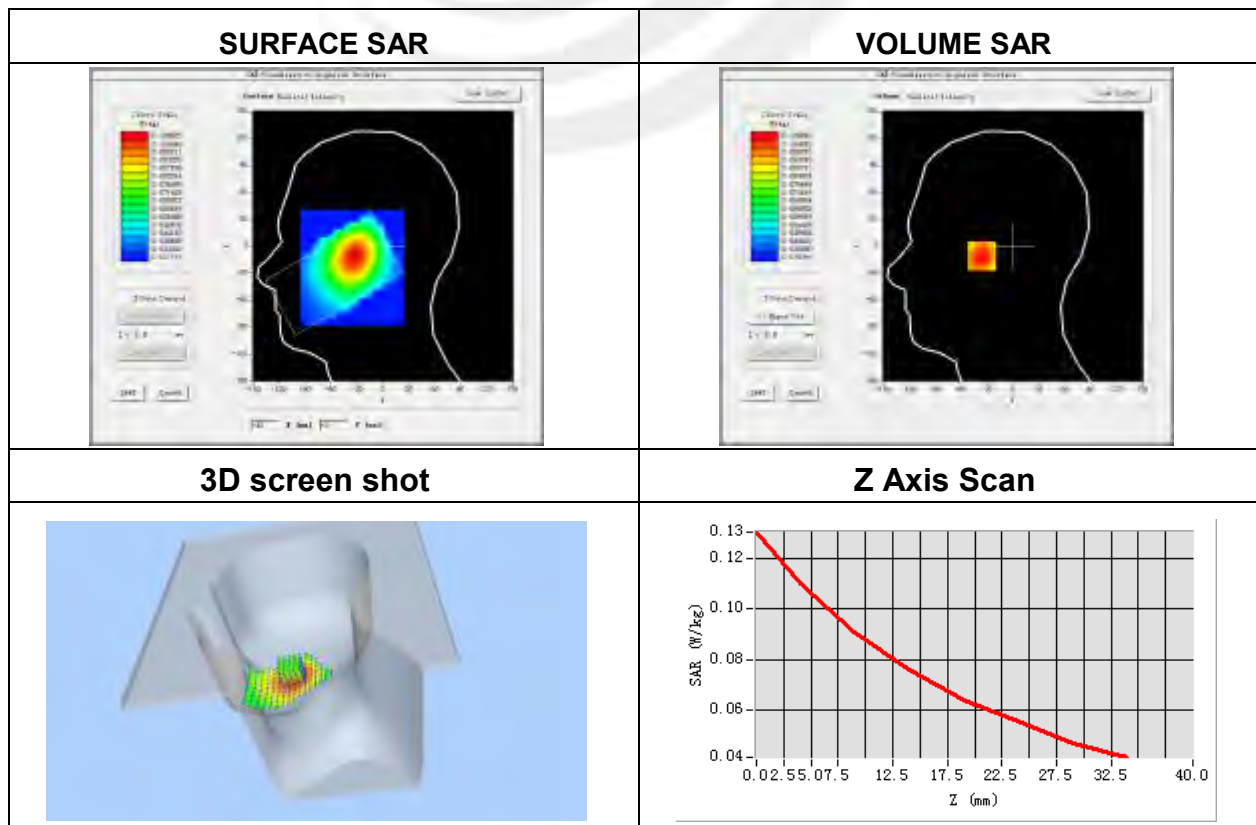
Plot 38: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.83
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Right head
Device Position	Tilt
Band	WCDMA V
Channels	Low
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	826.4
Relative permittivity (real part)	42.27
Conductivity (S/m)	0.91
Variation (%)	-2.41

Maximum location: X=-33.00, Y=-11.00

SAR Peak: 0.13 W/kg

SAR 10g (W/Kg)	0.085496
SAR 1g (W/Kg)	0.107933



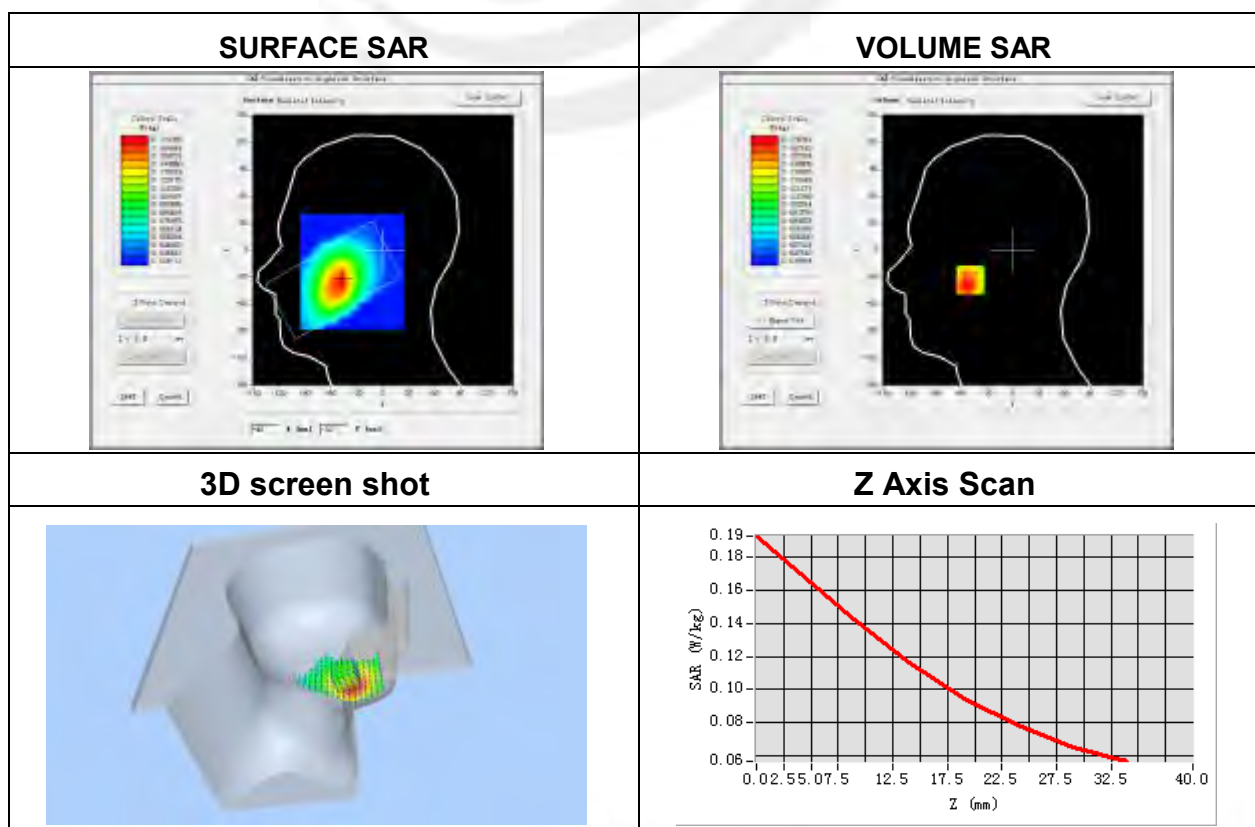
Plot 39: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.83
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	WCDMA V
Channels	Low
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	826.4
Relative permittivity (real part)	42.27
Conductivity (S/m)	0.91
Variation (%)	0.56

Maximum location: X=-49.00, Y=-33.00

SAR Peak: 0.23 W/kg

SAR 10g (W/Kg)	0.130472
SAR 1g (W/Kg)	0.175746



Plot 40: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.83
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Tilt
Band	WCDMA V
Channels	Low
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	826.4
Relative permittivity (real part)	42.27
Conductivity (S/m)	0.91
Variation (%)	0.36

Maximum location: X=-37.00, Y=-24.00

SAR Peak: 0.15 W/kg

SAR 10g (W/Kg)	0.095276
SAR 1g (W/Kg)	0.120105



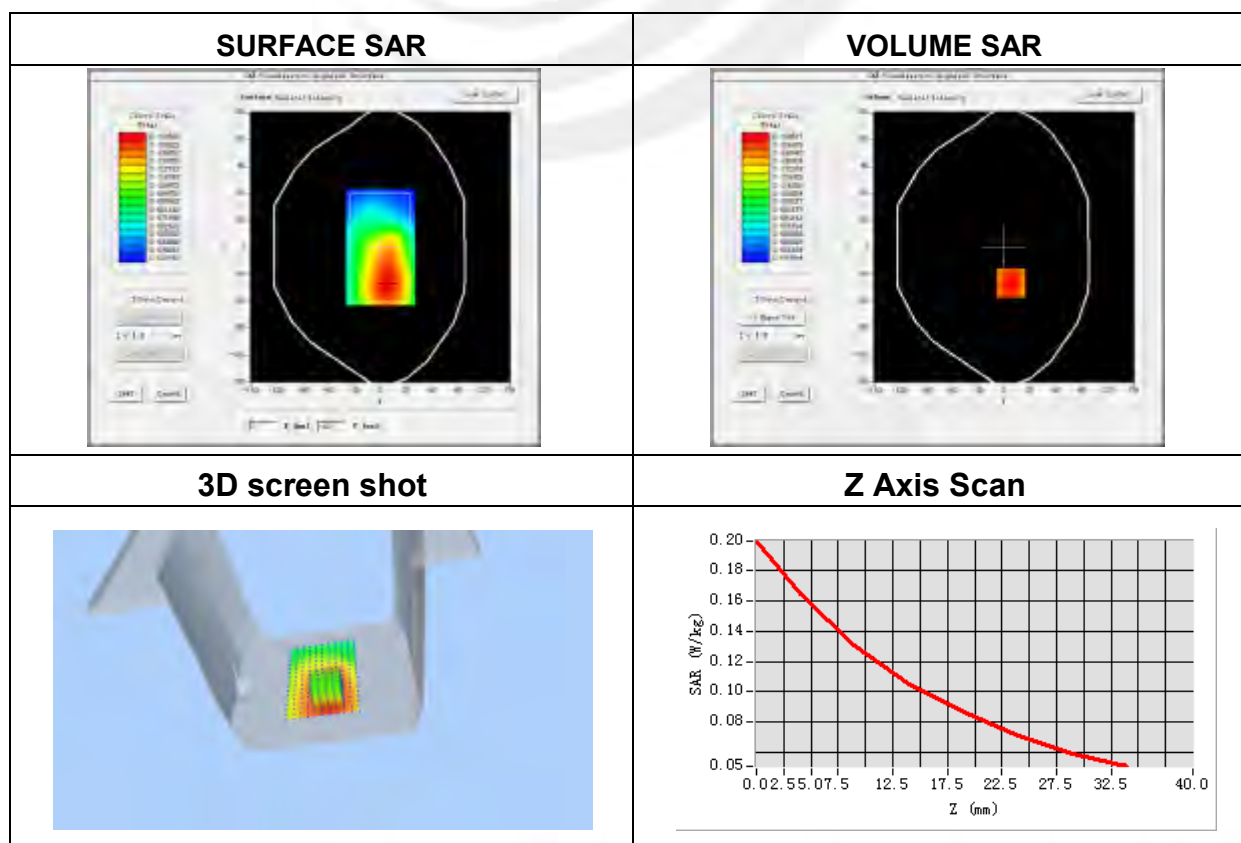
Plot 41: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	5.02
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body front
Band	WCDMA V
Channels	Low
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	826.4
Relative permittivity (real part)	55.5
Conductivity (S/m)	0.96
Variation (%)	-0.05

Maximum location: X=8.00, Y=-40.00

SAR Peak: 0.20 W/kg

SAR 10g (W/Kg)	0.124619
SAR 1g (W/Kg)	0.161433



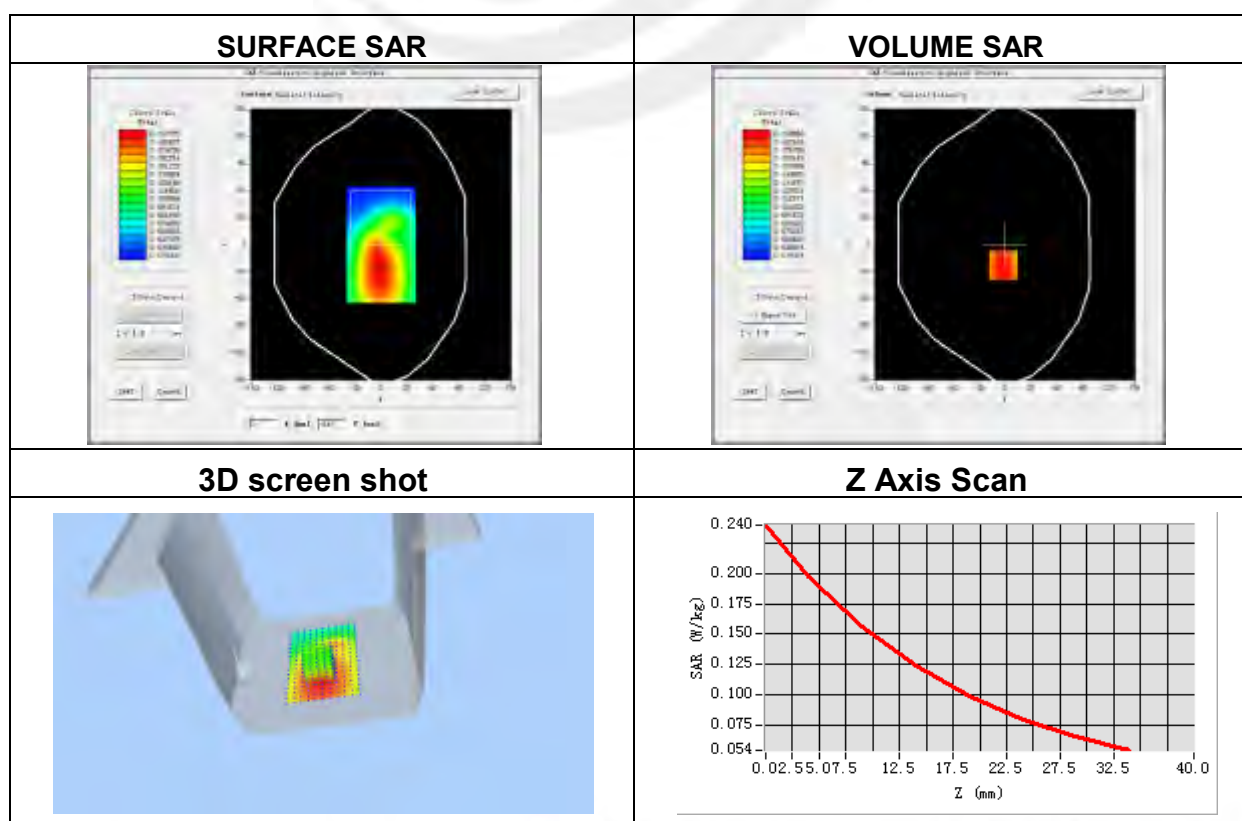
Plot 42: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	5.02
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back
Band	WCDMA V
Channels	Low
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	826.4
Relative permittivity (real part)	55.5
Conductivity (S/m)	0.96
Variation (%)	-1.20

Maximum location: X=-2.00, Y=-23.00

SAR Peak: 0.24 W/kg

SAR 10g (W/Kg)	0.148092
SAR 1g (W/Kg)	0.194022



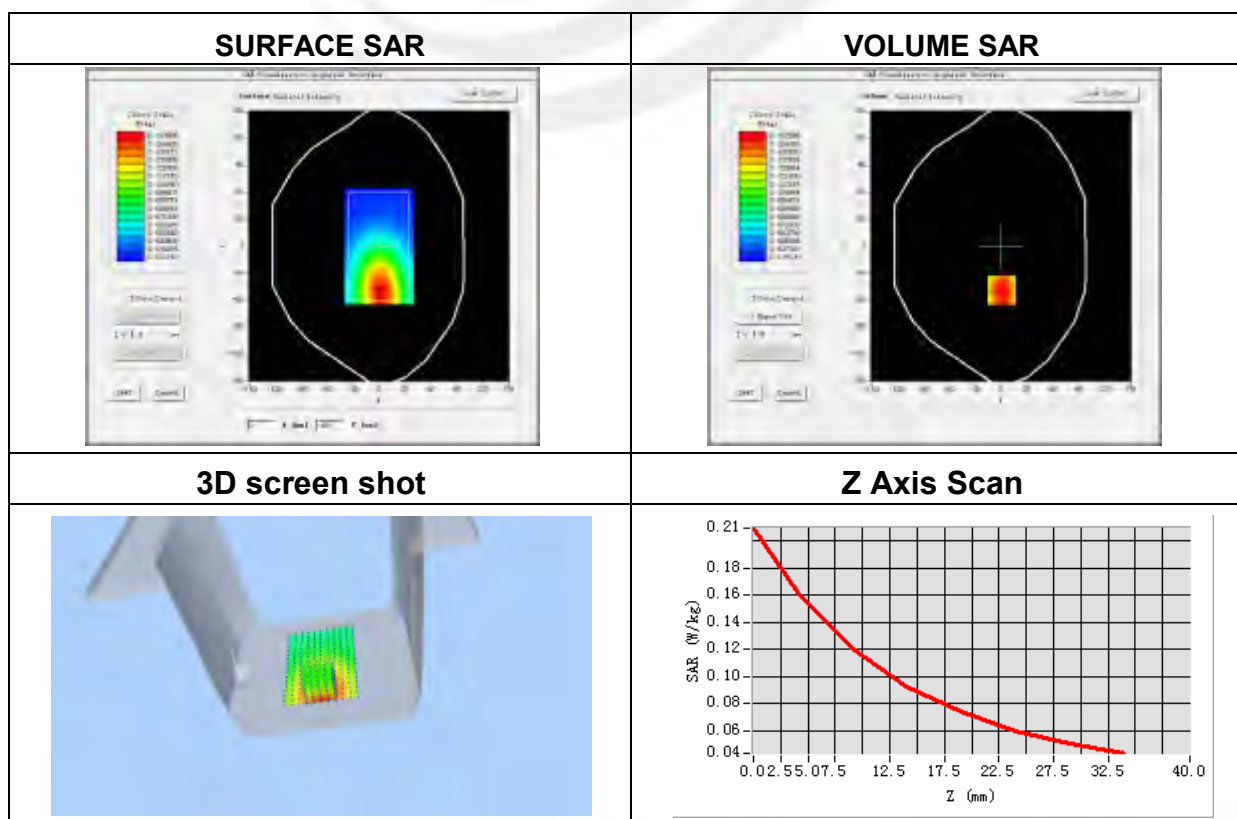
Plot 43: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	5.02
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body left side
Band	WCDMA V
Channels	Low
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	826.4
Relative permittivity (real part)	55.5
Conductivity (S/m)	0.96
Variation (%)	1.11

Maximum location: X=1.00, Y=-49.00

SAR Peak: 0.21 W/kg

SAR 10g (W/Kg)	0.115825
SAR 1g (W/Kg)	0.159618



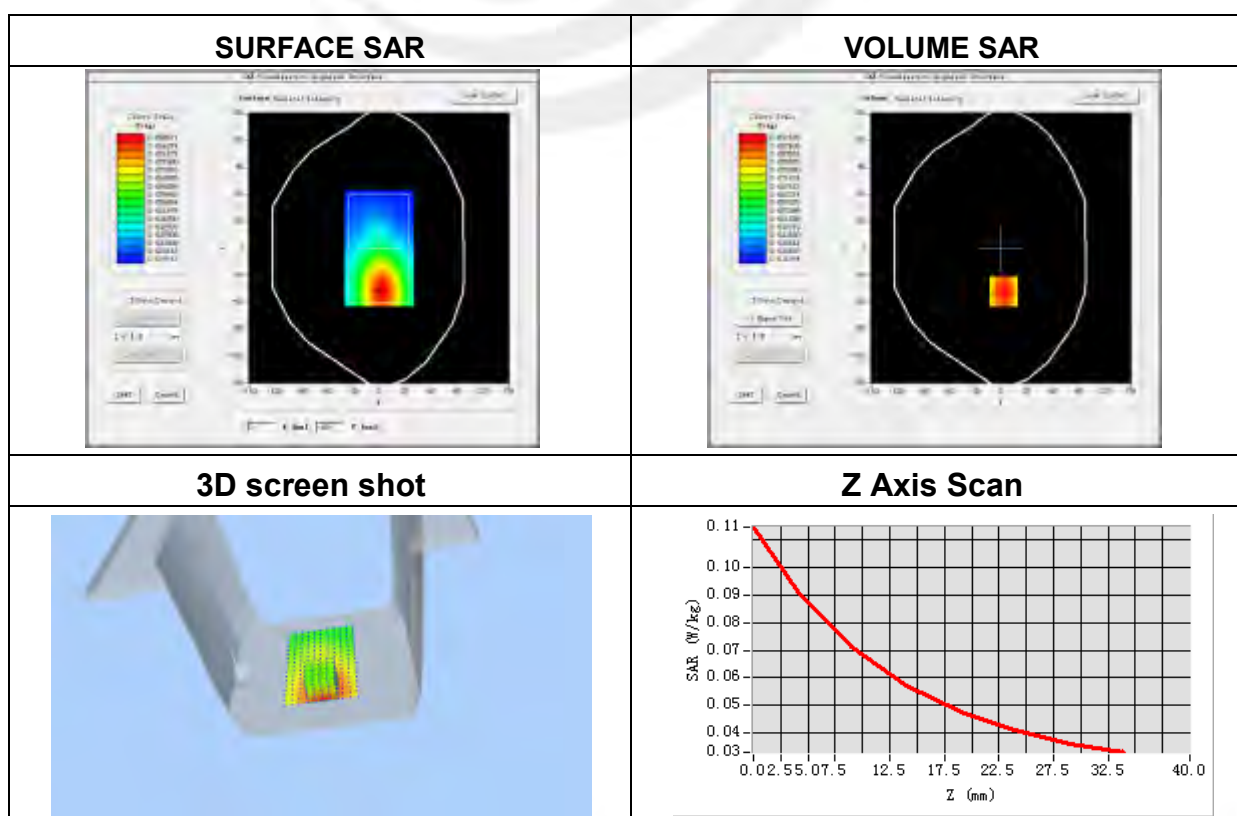
Plot 44: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	5.02
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body right side
Band	WCDMA V
Channels	Low
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	826.4
Relative permittivity (real part)	55.5
Conductivity (S/m)	0.96
Variation (%)	0.21

Maximum location: X=3.00, Y=-48.00

SAR Peak: 0.11 W/kg

SAR 10g (W/Kg)	0.068587
SAR 1g (W/Kg)	0.089816



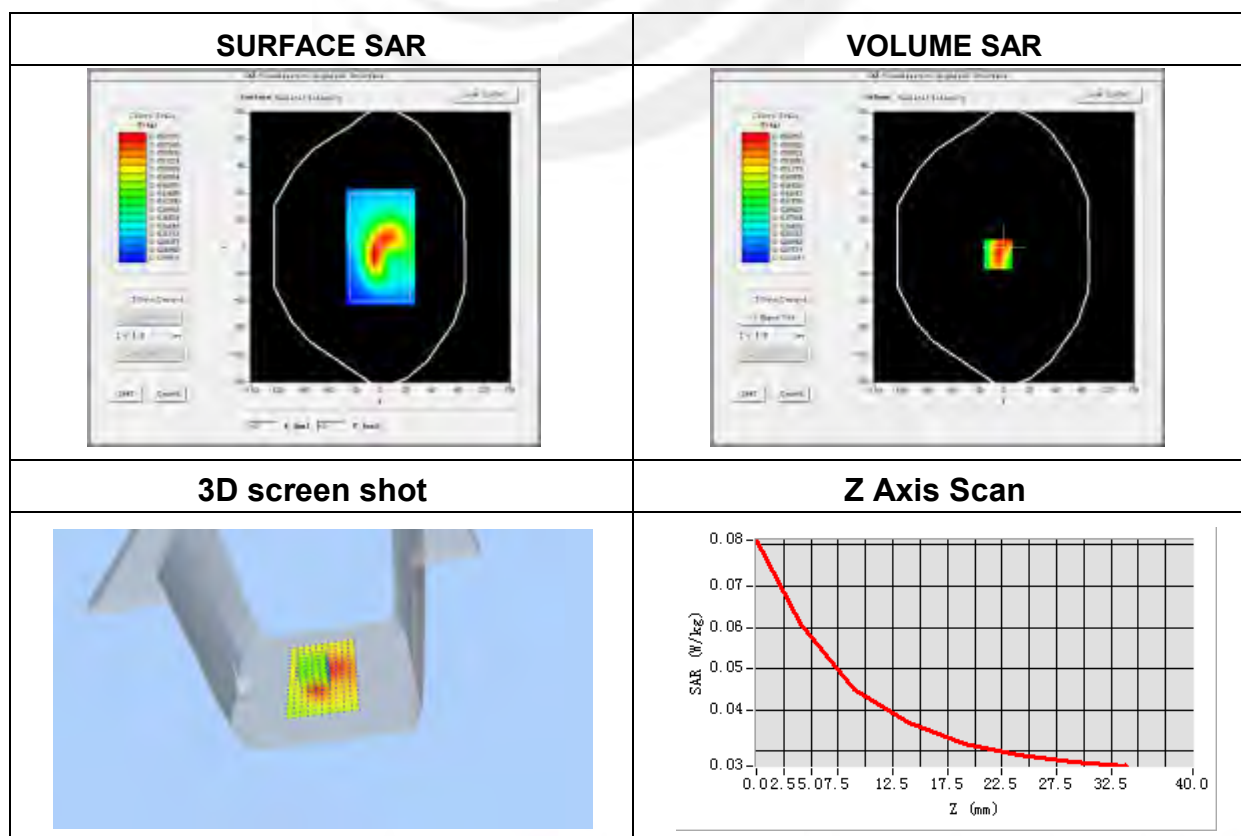
Plot 45: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	5.02
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body bottom side
Band	WCDMA V
Channels	Low
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	826.4
Relative permittivity (real part)	55.5
Conductivity (S/m)	0.96
Variation (%)	-0.51

Maximum location: X=-7.00, Y=-8.00

SAR Peak: 0.08 W/kg

SAR 10g (W/Kg)	0.043715
SAR 1g (W/Kg)	0.059425



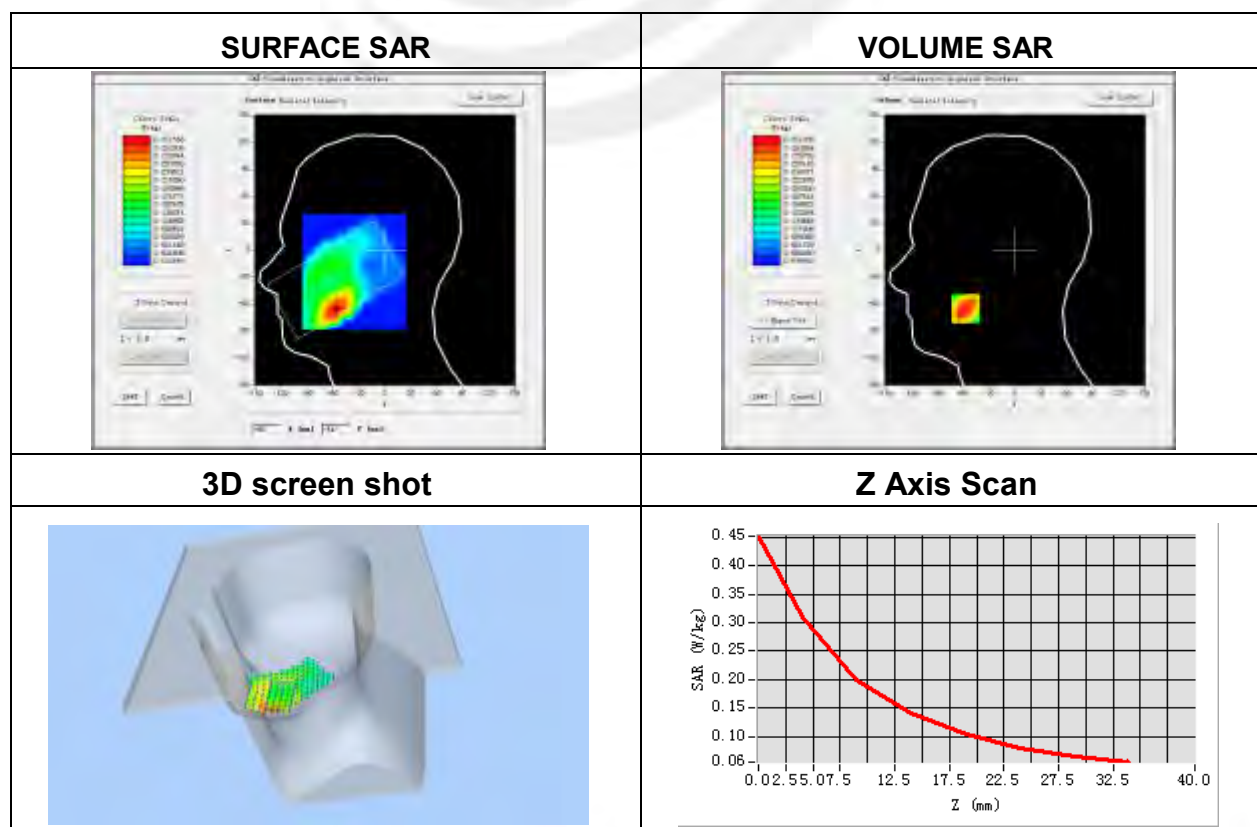
Plot 46: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.71
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Right head
Device Position	Cheek
Band	LTE Band 2 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1880
Relative permittivity (real part)	40.0
Conductivity (S/m)	0.91
Variation (%)	3.40

Maximum location: X=-57.00, Y=-65.00

SAR Peak: 0.45 W/kg

SAR 10g (W/Kg)	0.192037
SAR 1g (W/Kg)	0.302098



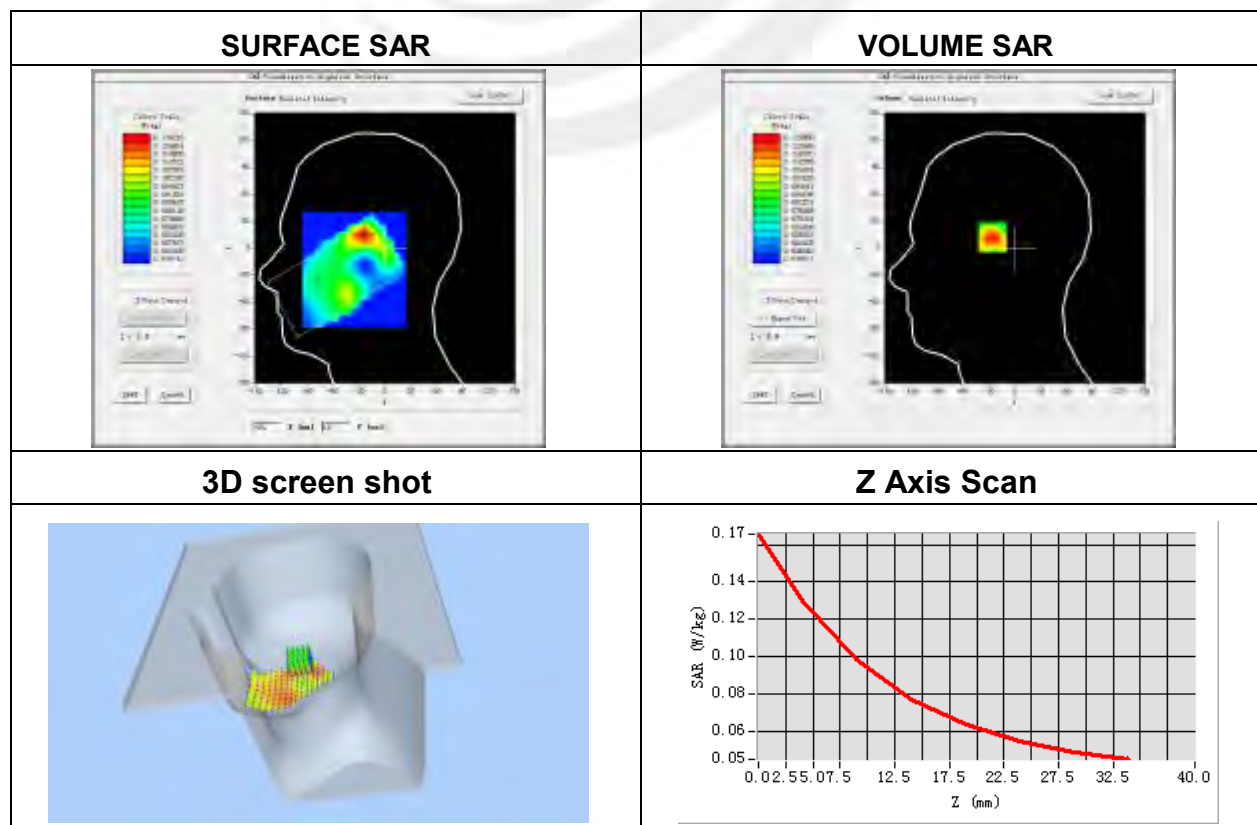
Plot 47: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.83
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Right head
Device Position	Tilt
Band	LTE Band 2 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1880
Relative permittivity (real part)	40.0
Conductivity (S/m)	0.91
Variation (%)	-0.52

Maximum location: X=-25.00, Y=15.00

SAR Peak: 0.17 W/kg

SAR 10g (W/Kg)	0.090516
SAR 1g (W/Kg)	0.125114



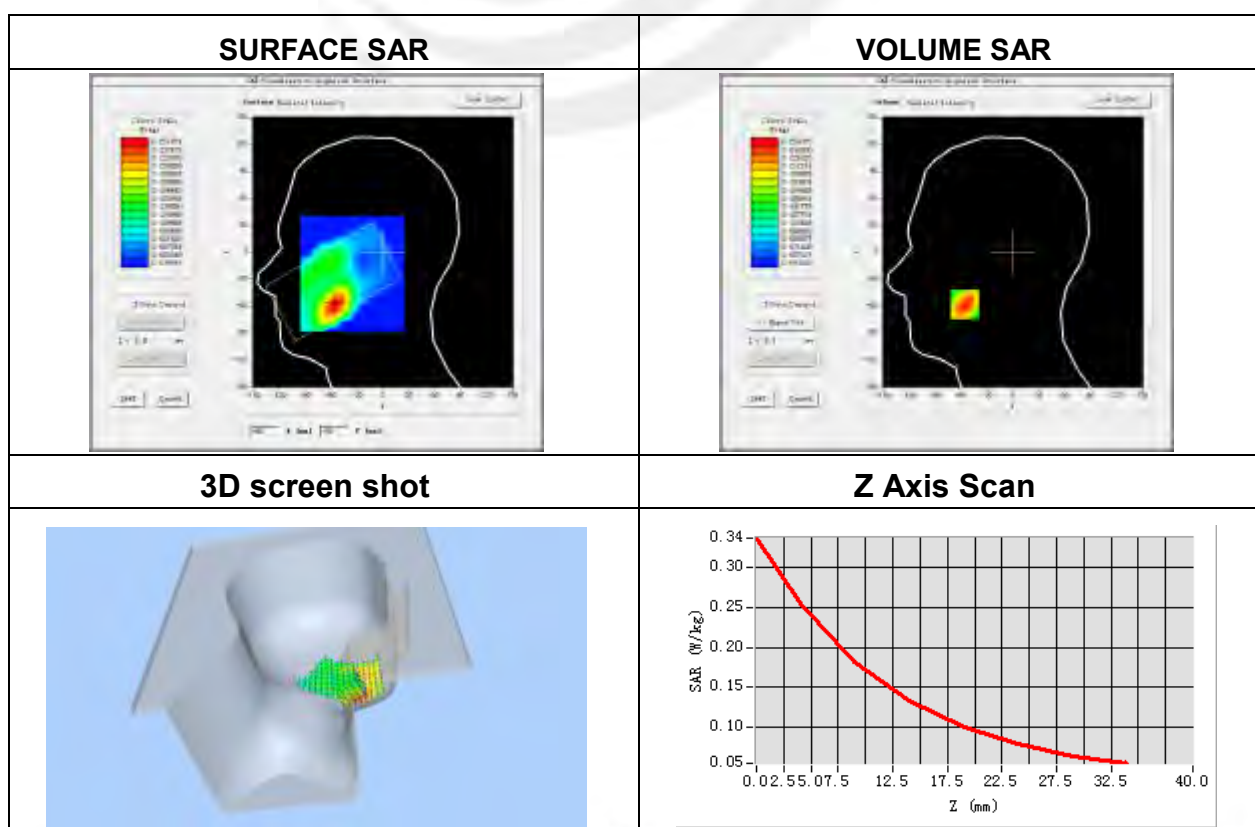
Plot 48: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.83
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	LTE Band 2 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1880
Relative permittivity (real part)	40.0
Conductivity (S/m)	0.91
Variation (%)	2.29

Maximum location: X=-56.00, Y=-58.00

SAR Peak: 0.34 W/kg

SAR 10g (W/Kg)	0.163044
SAR 1g (W/Kg)	0.244490



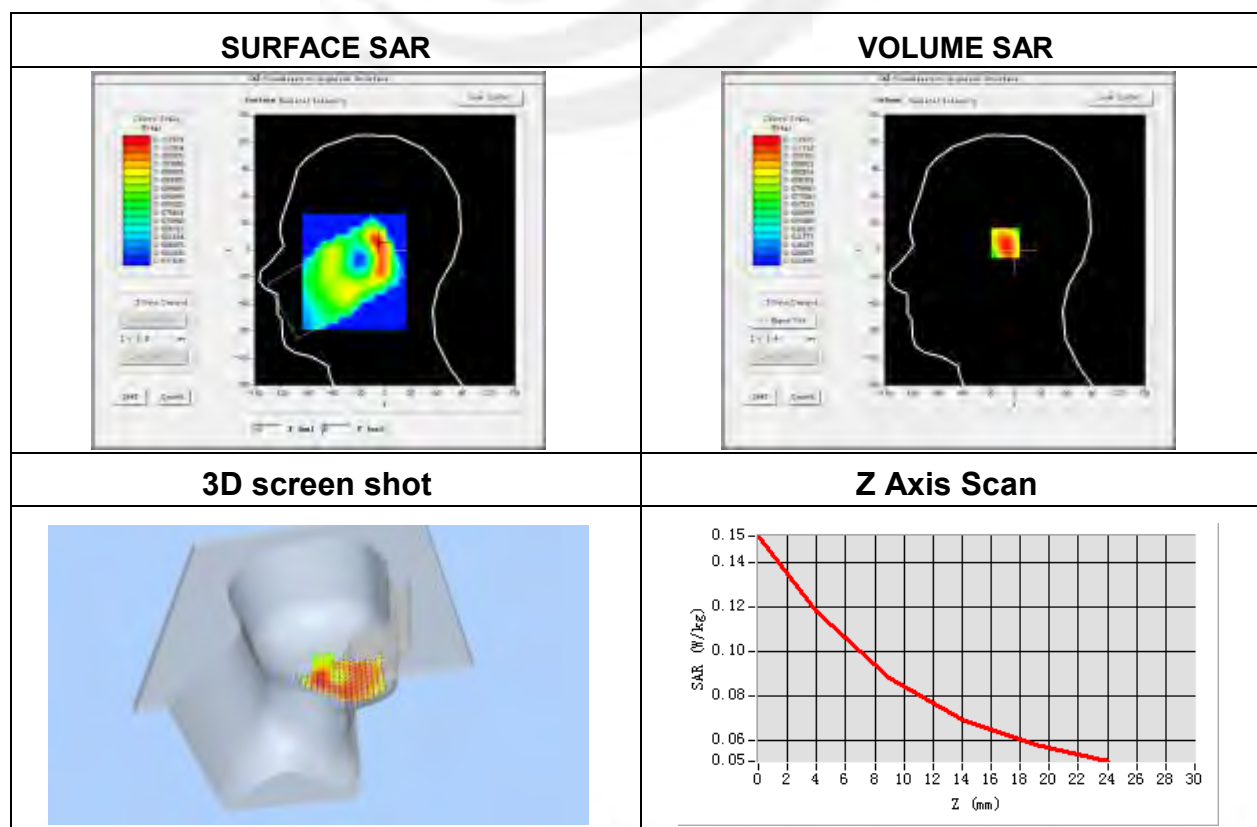
Plot 49: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.83
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Tilt
Band	LTE Band 2(RB 50)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1880
Relative permittivity (real part)	40.0
Conductivity (S/m)	0.91
Variation (%)	-0.03

Maximum location: X=-8.00, Y=8.00

SAR Peak: 0.15 W/kg

SAR 10g (W/Kg)	0.083158
SAR 1g (W/Kg)	0.113976



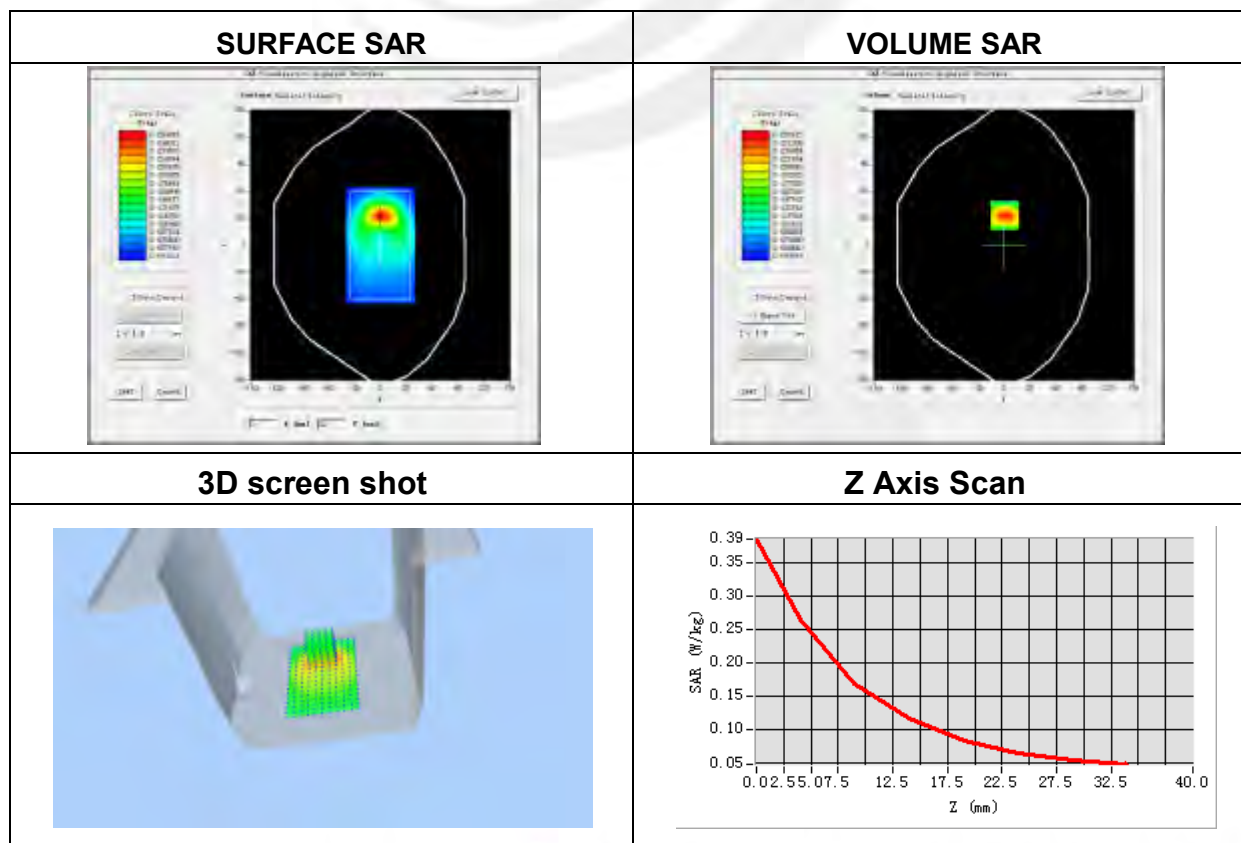
Plot 50: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.85
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body front
Band	LTE Band 2(RB 50)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1880
Relative permittivity (real part)	40.0
Conductivity (S/m)	0.91
Variation (%)	-0.85

Maximum location: X=1.00, Y=33.00

SAR Peak: 0.38 W/kg

SAR 10g (W/Kg)	0.156137
SAR 1g (W/Kg)	0.252749



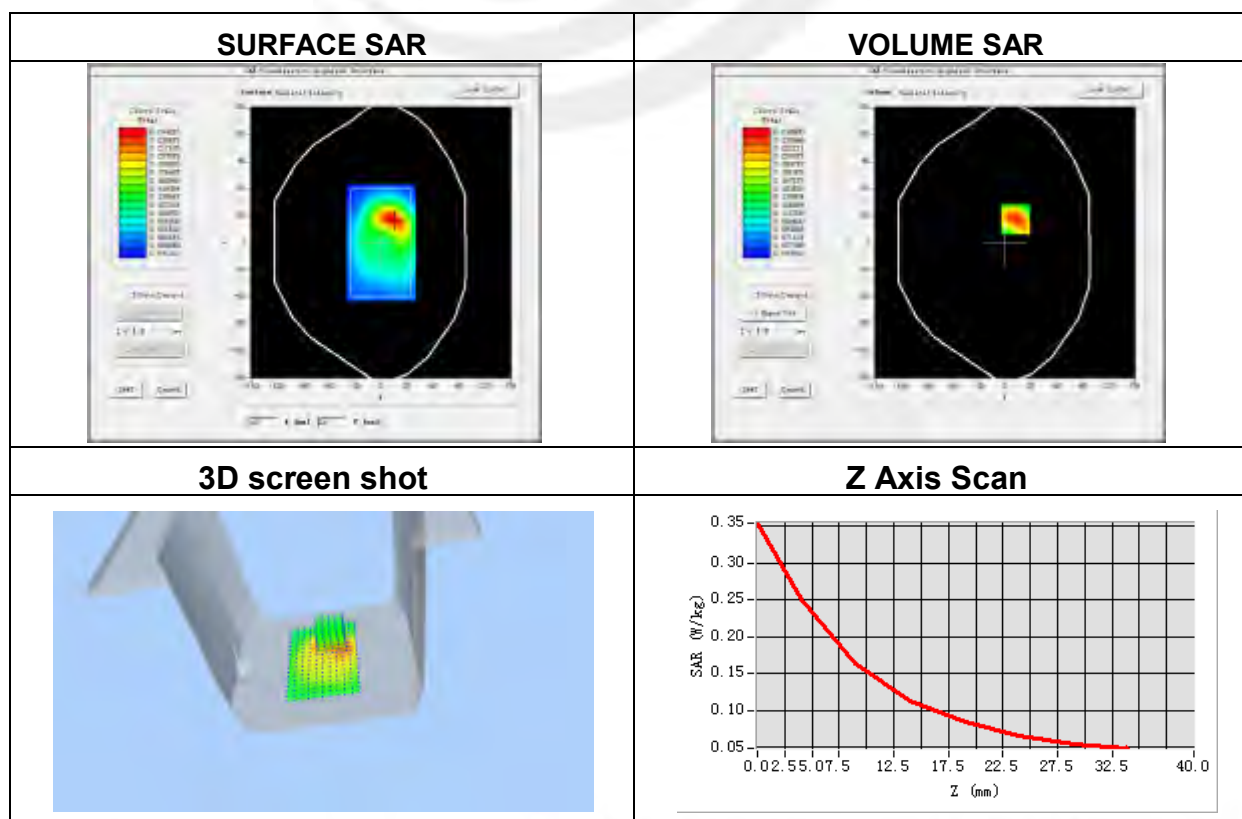
Plot 51: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.85
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back
Band	LTE Band 2(RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1880
Relative permittivity (real part)	40.0
Conductivity (S/m)	0.91
Variation (%)	1.40

Maximum location: X=12.00, Y=26.00

SAR Peak: 0.35 W/kg

SAR 10g (W/Kg)	0.152285
SAR 1g (W/Kg)	0.239010



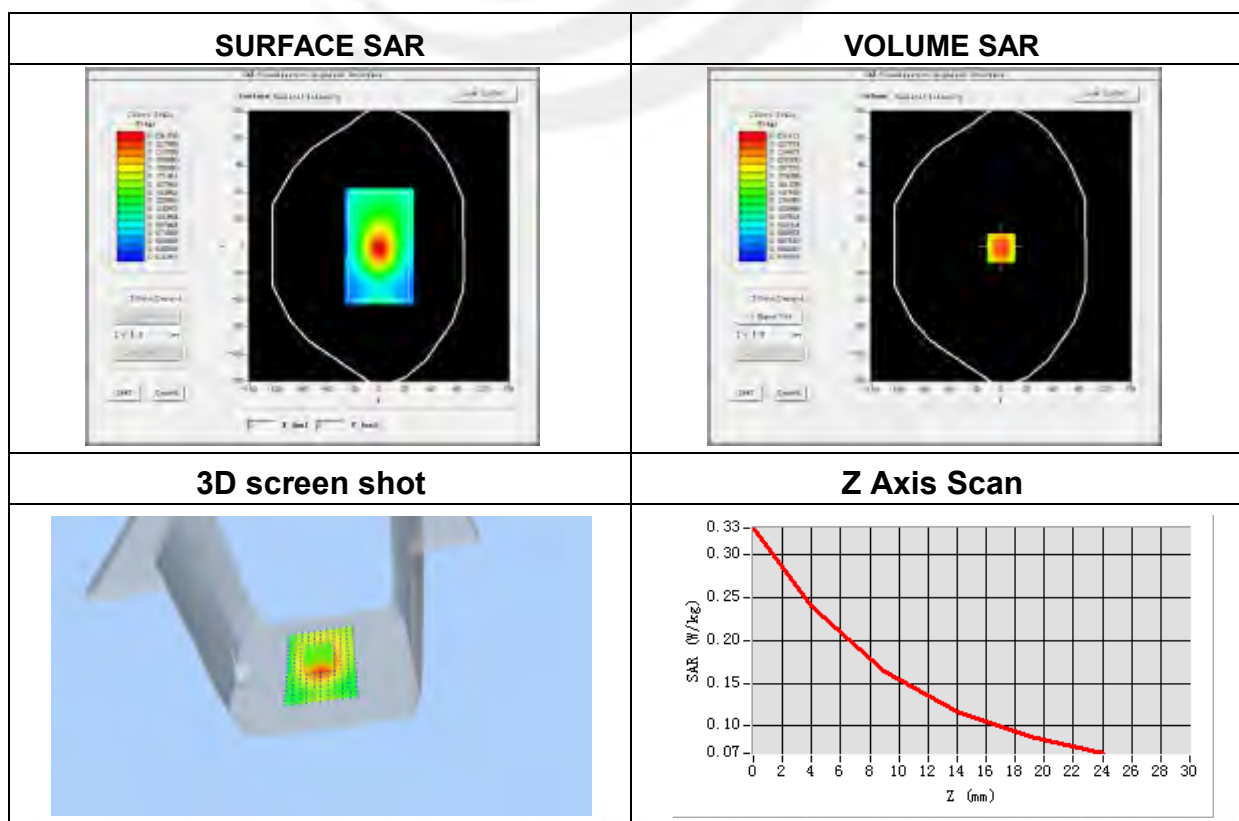
Plot 52: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.85
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body left side
Band	LTE Band 2(RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1880
Relative permittivity (real part)	40.0
Conductivity (S/m)	0.91
Variation (%)	-0.30

Maximum location: X=0.00, Y=0.00

SAR Peak: 0.28 W/kg

SAR 10g (W/Kg)	0.145227
SAR 1g (W/Kg)	0.236258



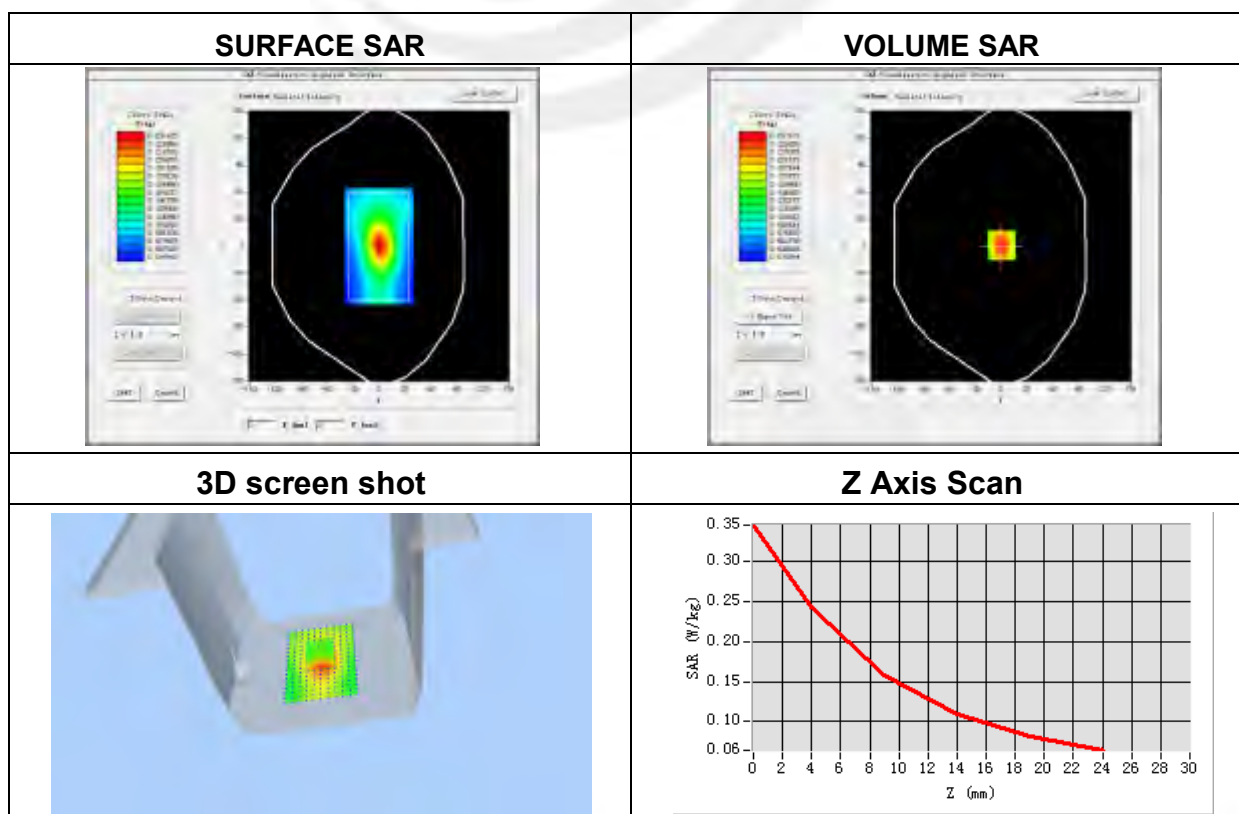
Plot 53: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.85
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body right side
Band	LTE Band 2(RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1880
Relative permittivity (real part)	40.0
Conductivity (S/m)	0.91
Variation (%)	0.18

Maximum location: X=1.00, Y=1.00

SAR Peak: 0.35 W/kg

SAR 10g (W/Kg)	0.149647
SAR 1g (W/Kg)	0.231153



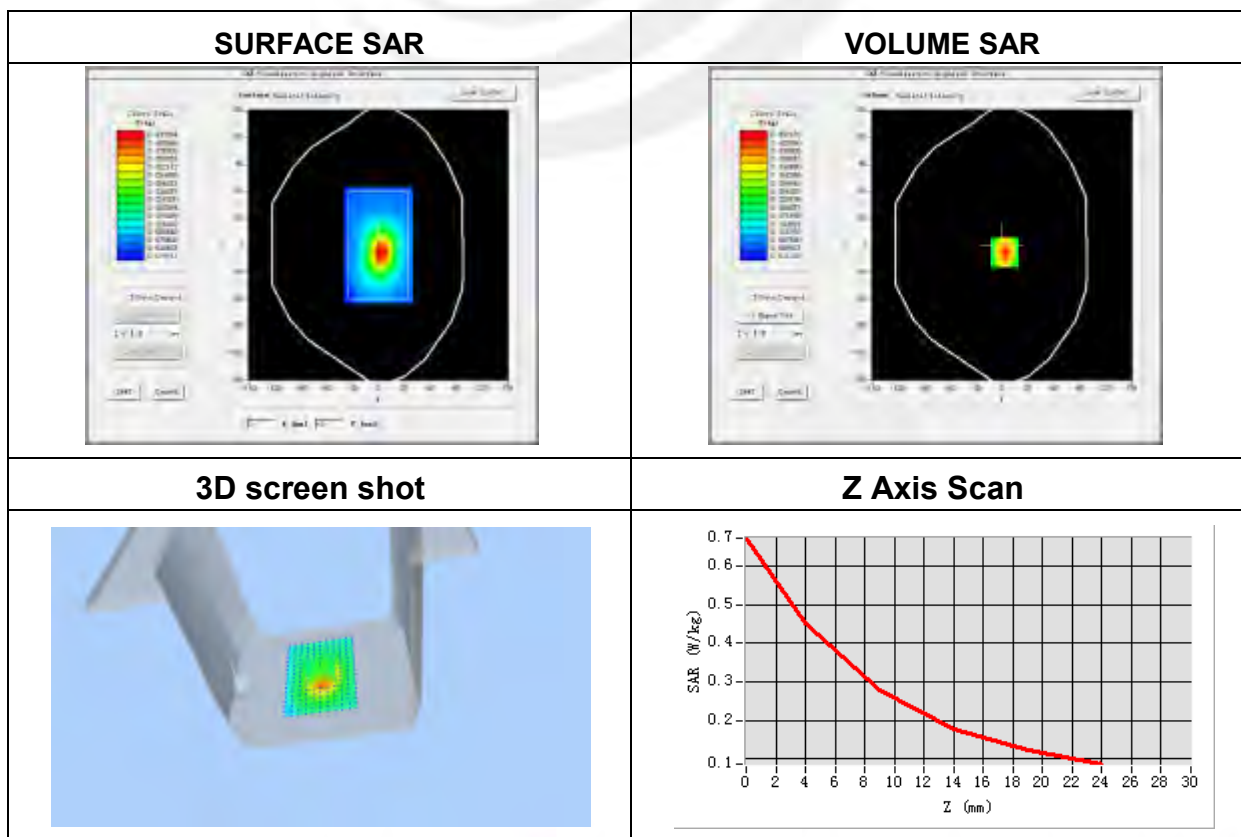
Plot 54: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.85
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body bottom side
Band	LTE Band 2(RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1880
Relative permittivity (real part)	40.0
Conductivity (S/m)	0.91
Variation (%)	4.43

Maximum location: X=3.00, Y=-8.00

SAR Peak: 0.67 W/kg

SAR 10g (W/Kg)	0.246675
SAR 1g (W/Kg)	0.424303



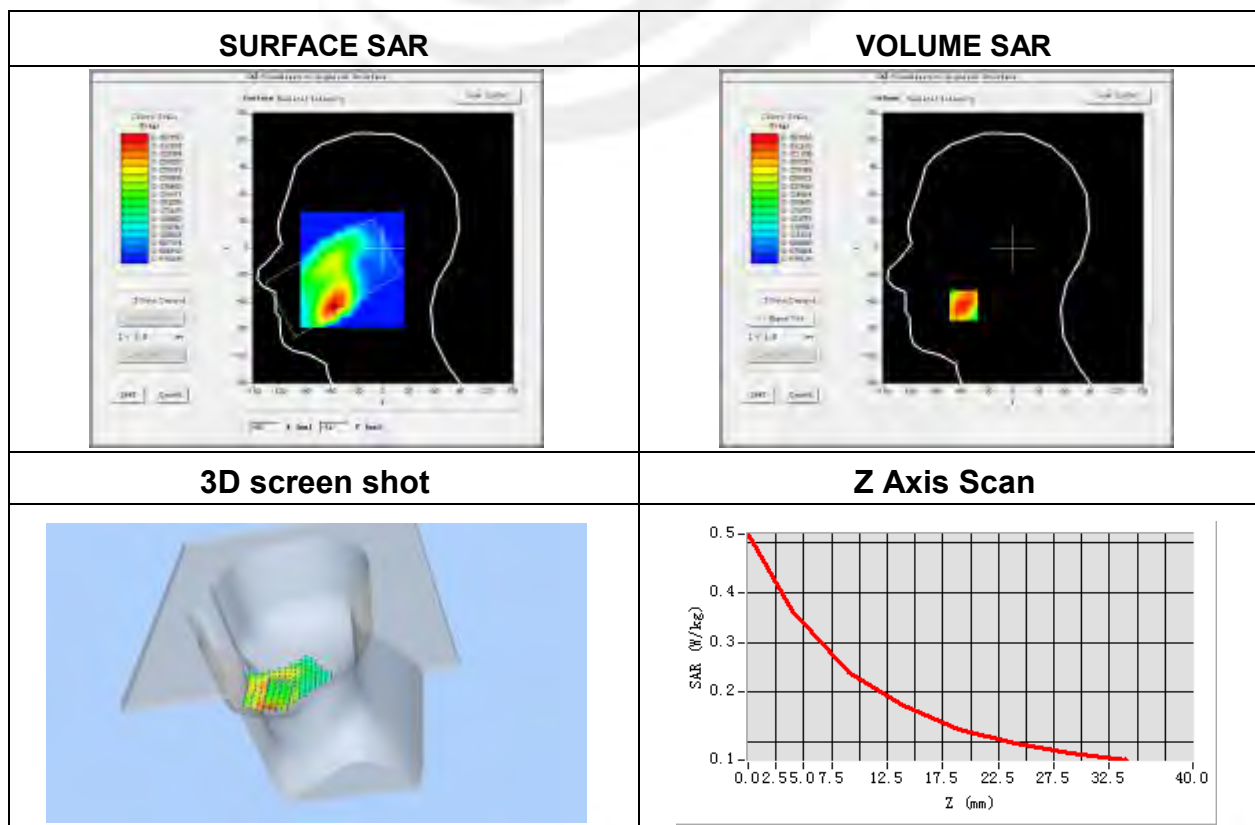
Plot 55: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.25
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Right head
Device Position	Cheek
Band	LTE Band 4 (RB 1)
Channels	Low
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1720
Relative permittivity (real part)	40.2
Conductivity (S/m)	1.31
Variation (%)	-1.17

Maximum location: X=-57.00, Y=-64.00

SAR Peak: 0.52 W/kg

SAR 10g (W/Kg)	0.228146
SAR 1g (W/Kg)	0.352166



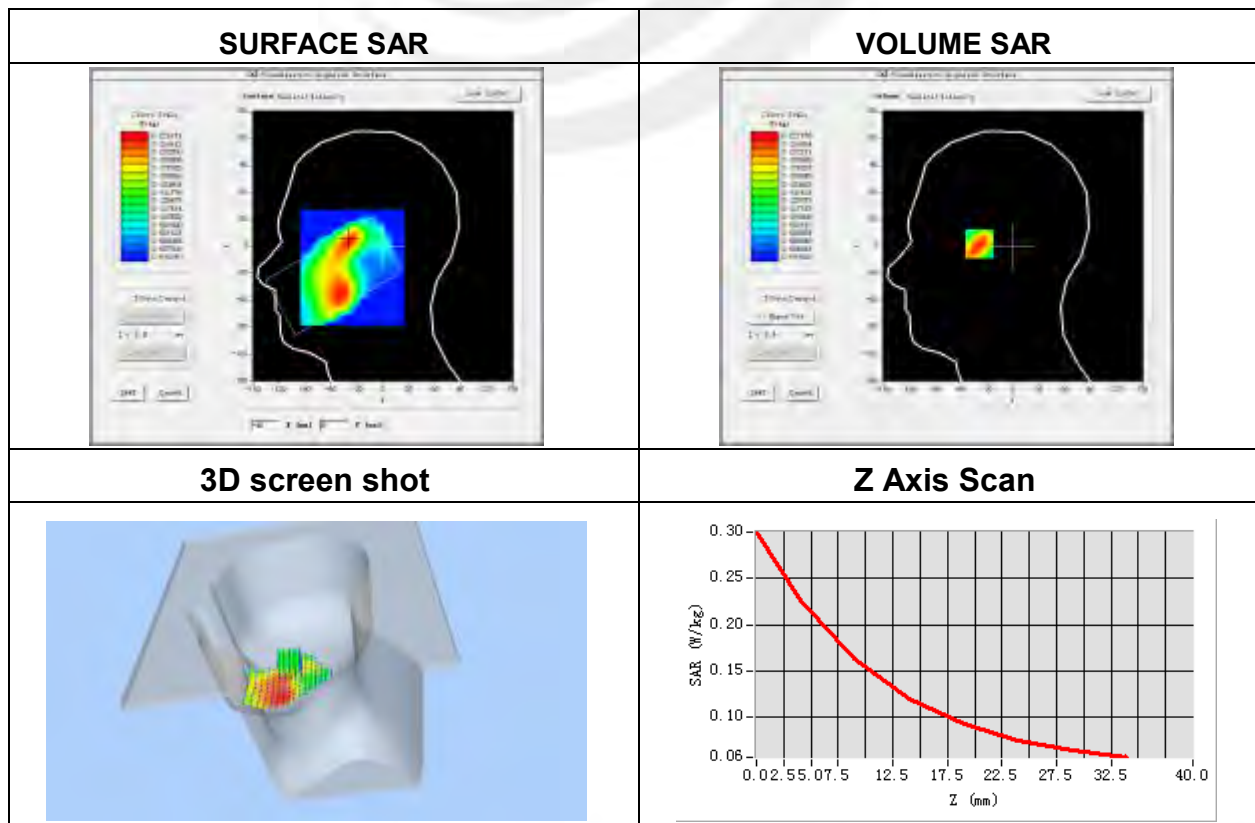
Plot 56: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.25
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Right head
Device Position	Tilt
Band	LTE Band 4 (RB 1)
Channels	Low
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1720
Relative permittivity (real part)	40.2
Conductivity (S/m)	1.31
Variation (%)	-3.26

Maximum location: X=-39.00, Y=7.00

SAR Peak: 0.30 W/kg

SAR 10g (W/Kg)	0.144976
SAR 1g (W/Kg)	0.215899



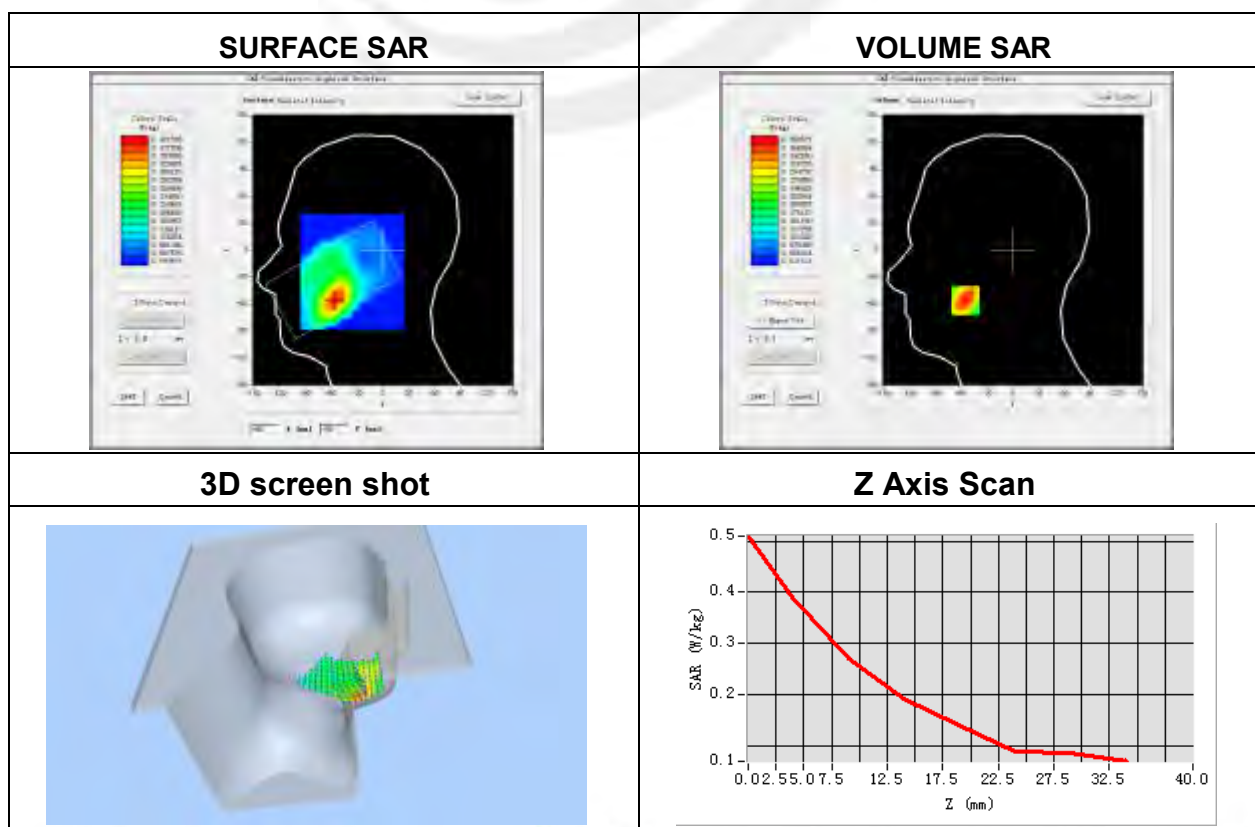
Plot 57: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.25
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	LTE Band 4 (RB 1)
Channels	Low
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1720
Relative permittivity (real part)	40.2
Conductivity (S/m)	1.31
Variation (%)	-1.80

Maximum location: X=-55.00, Y=-56.00

SAR Peak: 0.53 W/kg

SAR 10g (W/Kg)	0.240340
SAR 1g (W/Kg)	0.369060



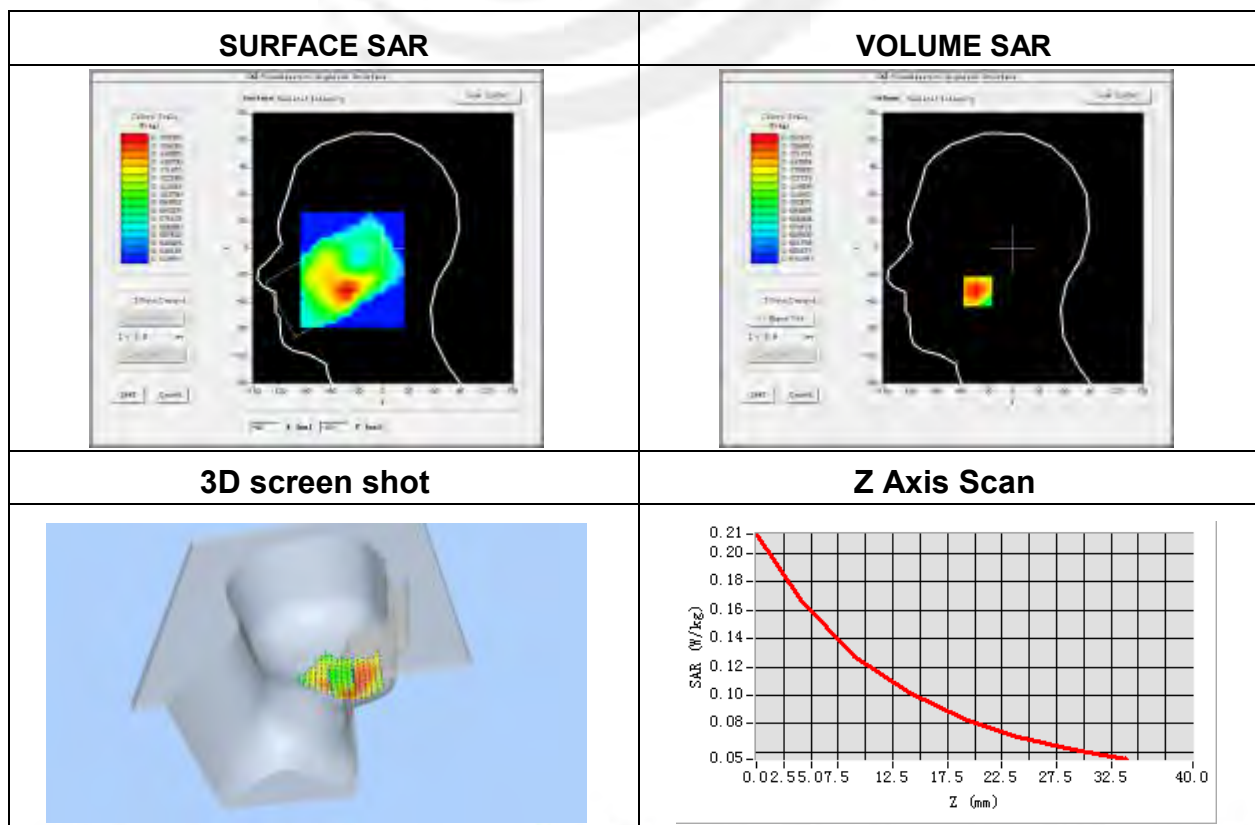
Plot 58: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.25
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Tilt
Band	LTE Band 4 (RB 1)
Channels	Low
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1720
Relative permittivity (real part)	40.2
Conductivity (S/m)	1.31
Variation (%)	-0.37

Maximum location: X=-41.00, Y=-48.00

SAR Peak: 0.21 W/kg

SAR 10g (W/Kg)	0.119362
SAR 1g (W/Kg)	0.162700



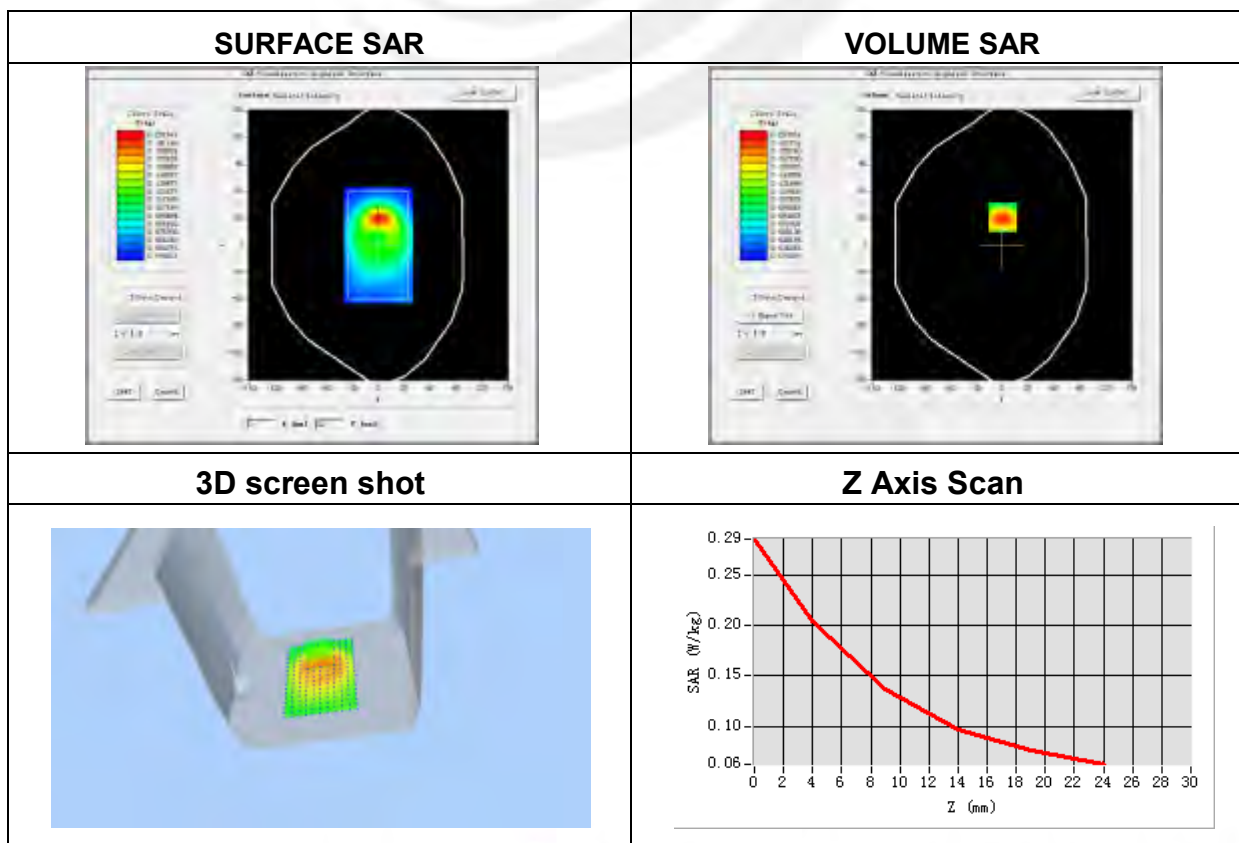
Plot 59: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.34
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body front
Band	LTE Band 4 (RB 1)
Channels	Low
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1720
Relative permittivity (real part)	52.6
Conductivity (S/m)	1.38
Variation (%)	-0.40

Maximum location: X=1.00, Y=31.00

SAR Peak: 0.29 W/kg

SAR 10g (W/Kg)	0.124916
SAR 1g (W/Kg)	0.192949



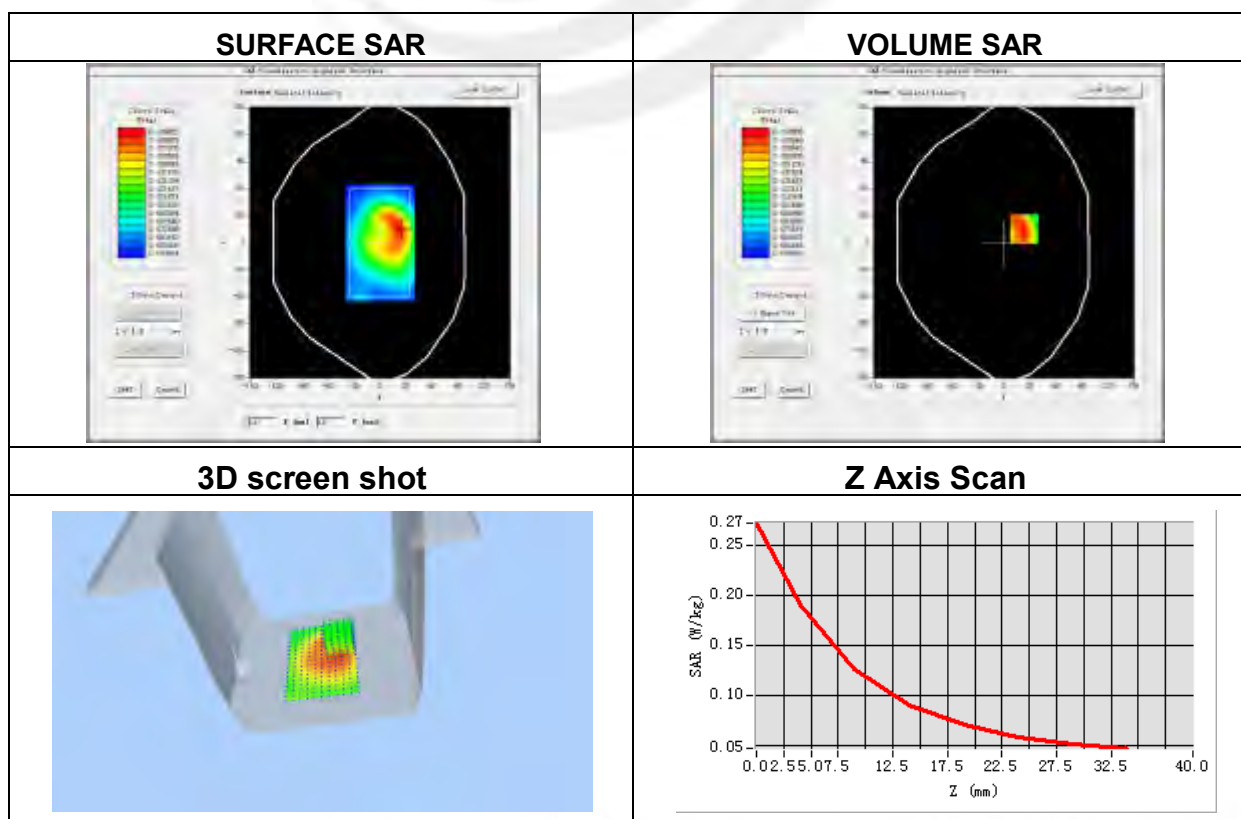
Plot 60: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.34
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back
Band	LTE Band 4 (RB 1)
Channels	Low
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1720
Relative permittivity (real part)	52.6
Conductivity (S/m)	1.38
Variation (%)	-0.22

Maximum location: X=23.00, Y=15.00

SAR Peak: 0.27 W/kg

SAR 10g (W/Kg)	0.123527
SAR 1g (W/Kg)	0.183315



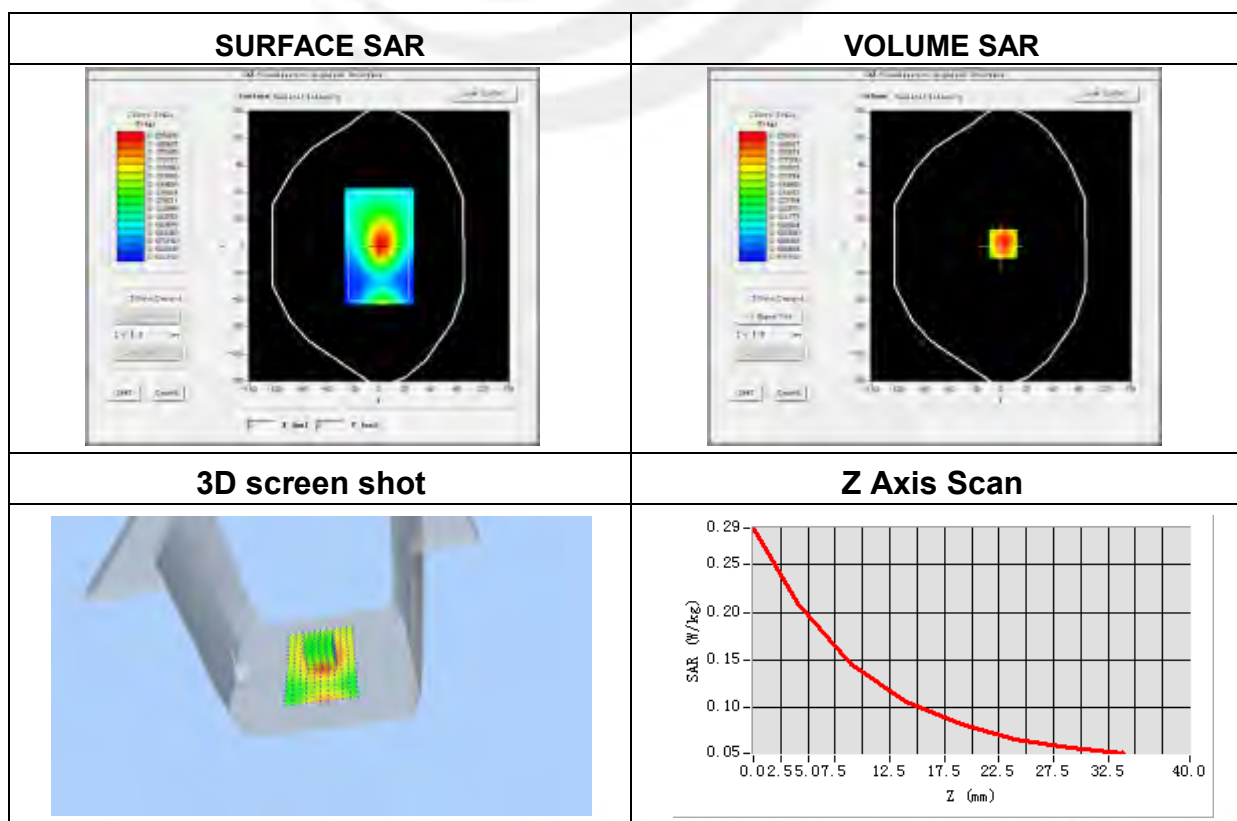
Plot 61: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.34
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body left side
Band	LTE Band 4 (RB 1)
Channels	Low
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1720
Relative permittivity (real part)	52.6
Conductivity (S/m)	1.38
Variation (%)	-3.42

Maximum location: X=2.00, Y=3.00

SAR Peak: 0.29 W/kg

SAR 10g (W/Kg)	0.147892
SAR 1g (W/Kg)	0.208959



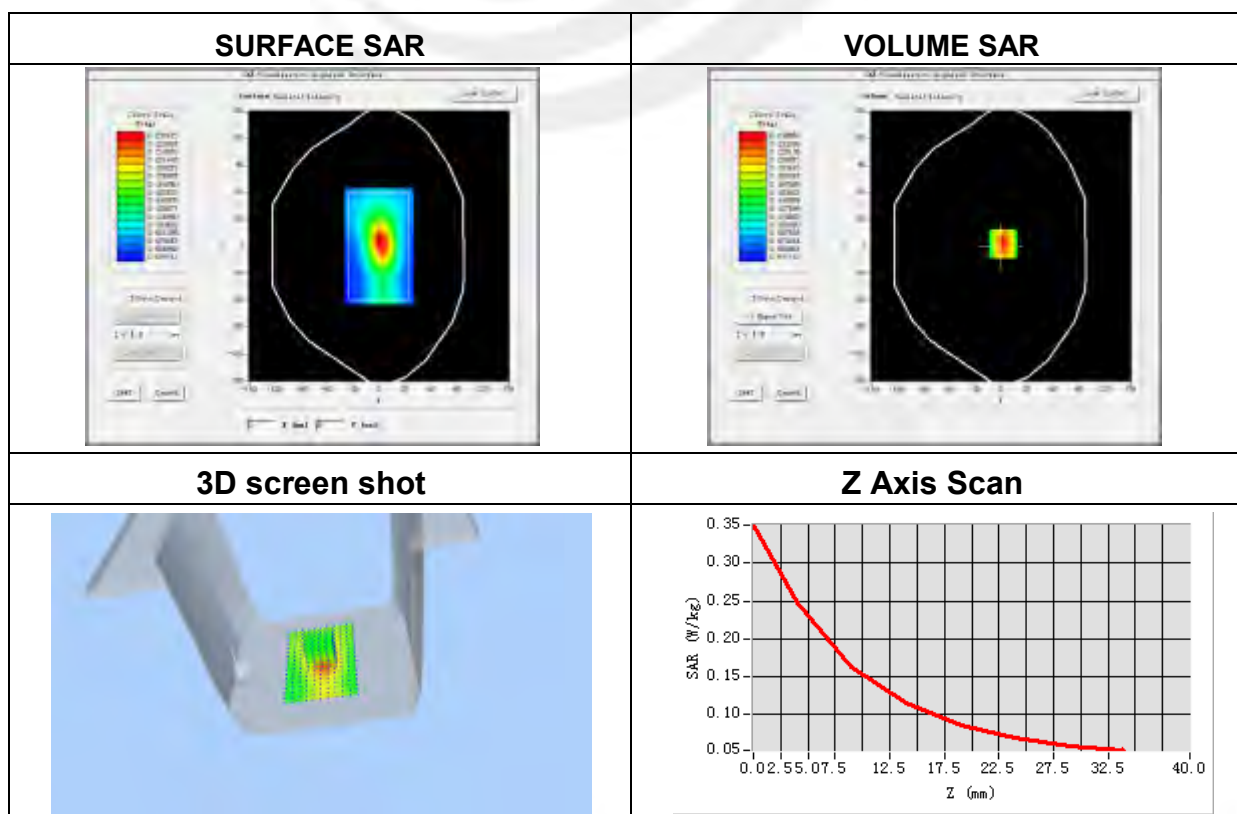
Plot 62: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.34
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body right side
Band	LTE Band 4 (RB 50)
Channels	Low
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1720
Relative permittivity (real part)	52.6
Conductivity (S/m)	1.38
Variation (%)	-0.66

Maximum location: X=2.00, Y=3.00

SAR Peak: 0.35 W/kg

SAR 10g (W/Kg)	0.152582
SAR 1g (W/Kg)	0.236890



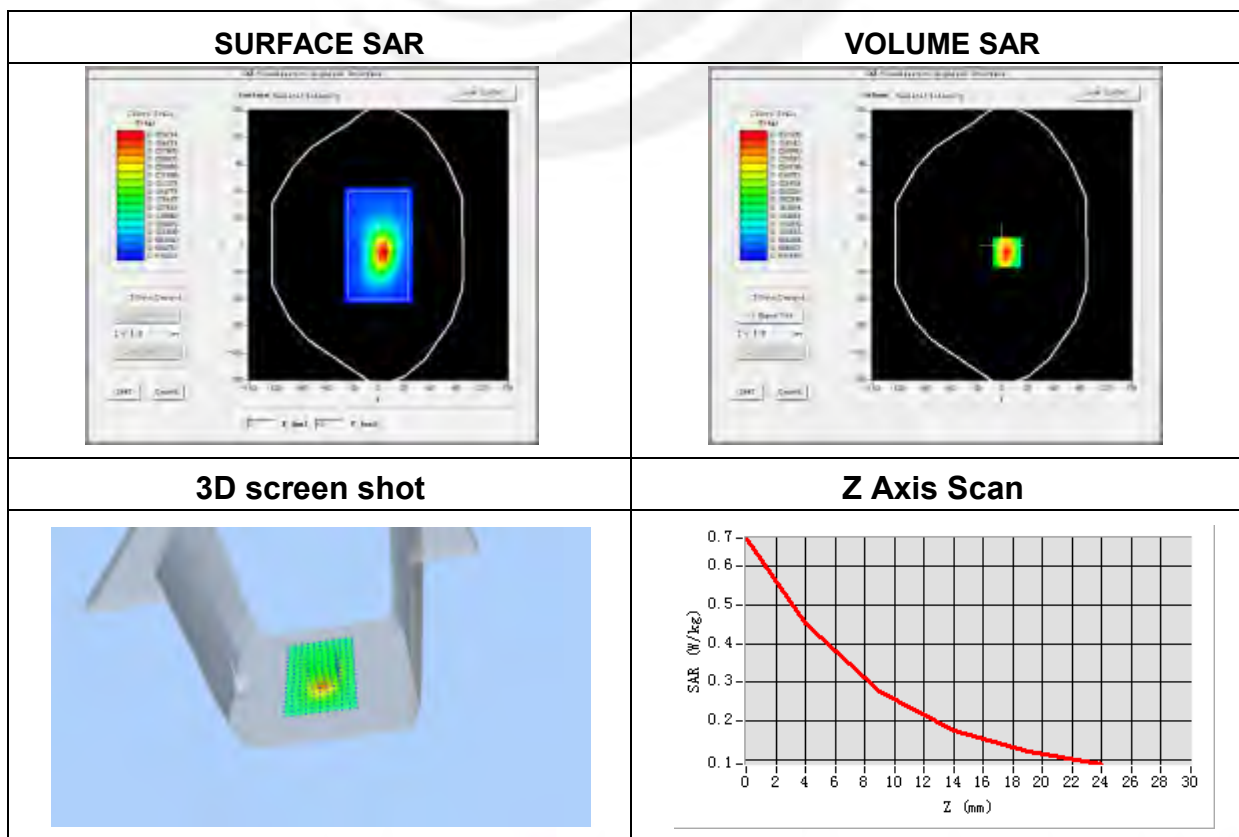
Plot 63: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.34
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body bottom side
Band	LTE Band 4 (RB 1)
Channels	Low
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1720
Relative permittivity (real part)	52.6
Conductivity (S/m)	1.38
Variation (%)	-0.41

Maximum location: X=6.00, Y=-8.00

SAR Peak: 0.67 W/kg

SAR 10g (W/Kg)	0.240713
SAR 1g (W/Kg)	0.420116



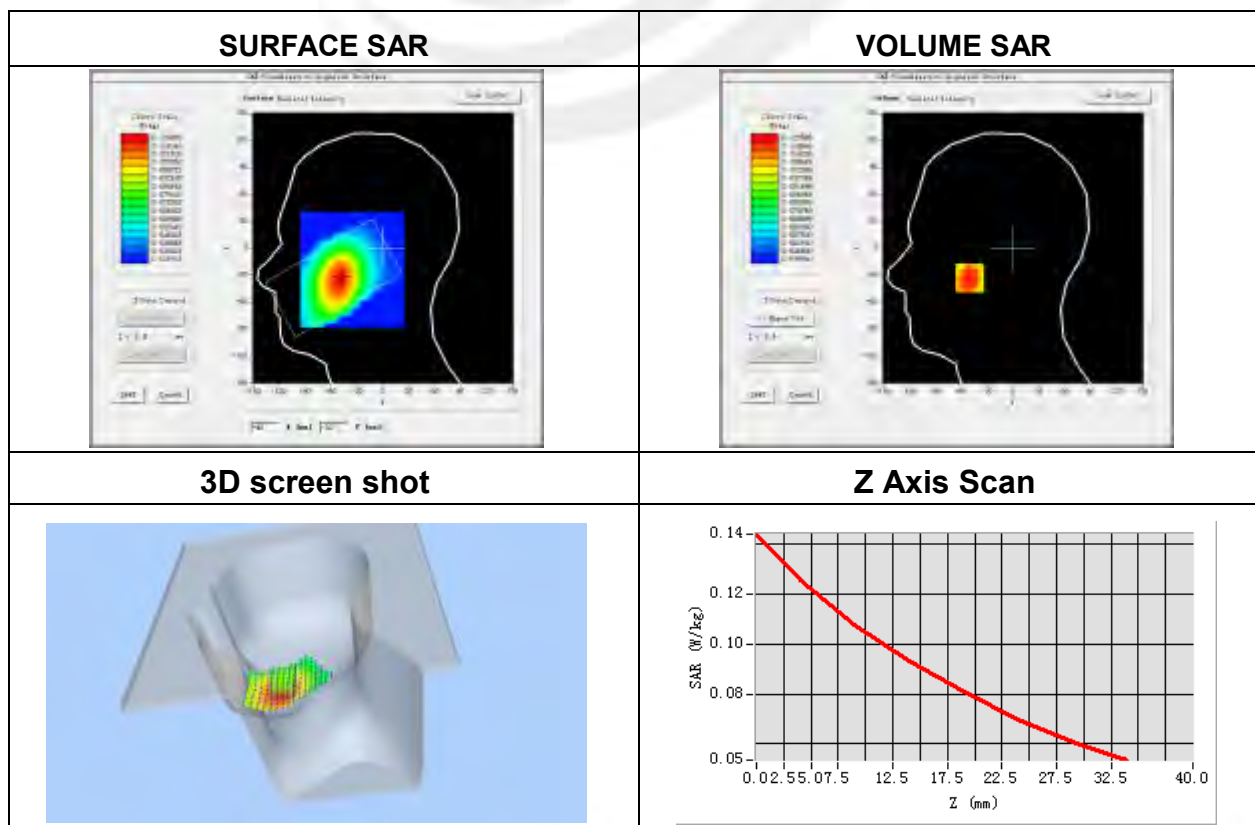
Plot 64: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.20
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Right head
Device Position	Cheek
Band	LTE Band 12 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	2535
Relative permittivity (real part)	38.5
Conductivity (S/m)	1.92
Variation (%)	0.44

Maximum location: X=-50.00, Y=-33.00

SAR Peak: 0.14 W/kg

SAR 10g (W/Kg)	0.101825
SAR 1g (W/Kg)	0.125249



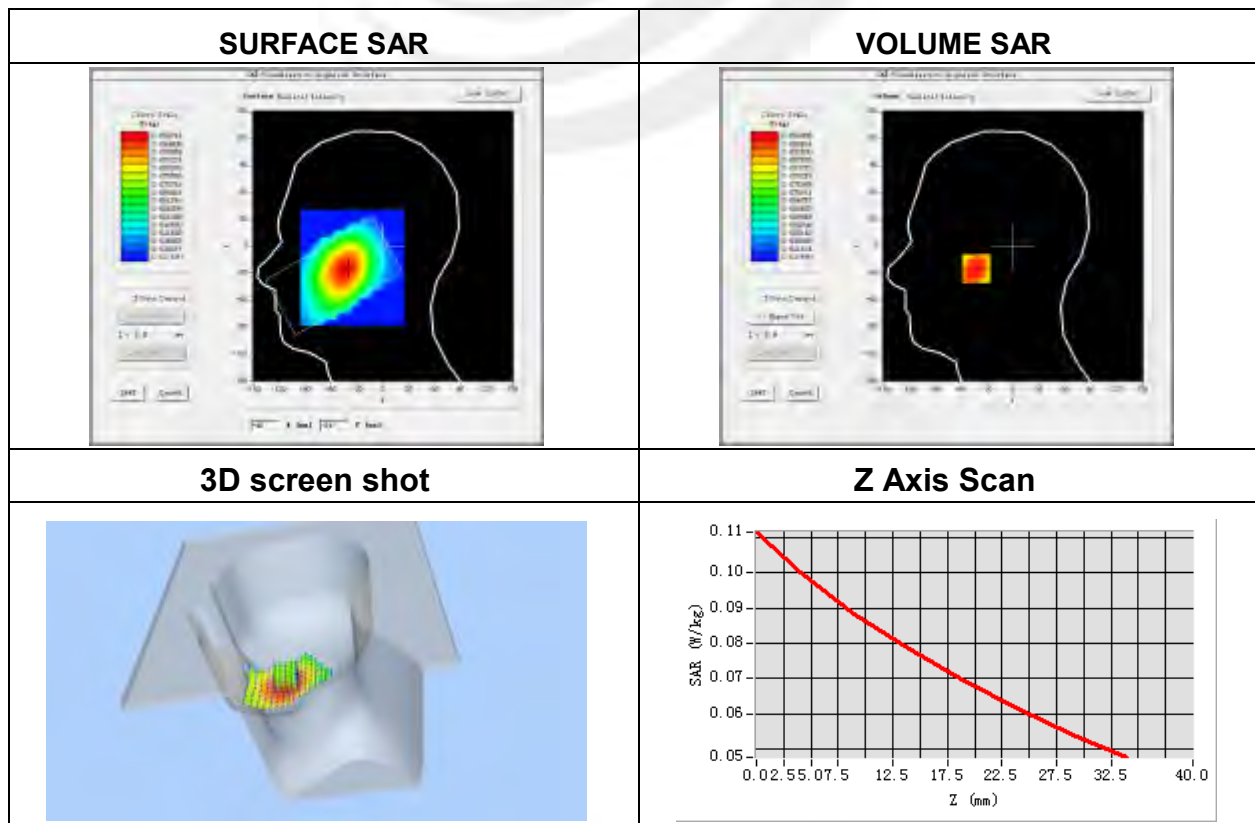
Plot 65: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.20
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Right head
Device Position	Tilt
Band	LTE Band 12 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	2535
Relative permittivity (real part)	38.5
Conductivity (S/m)	1.92
Variation (%)	0.02

Maximum location: X=-43.00, Y=-25.00

SAR Peak: 0.11 W/kg

SAR 10g (W/Kg)	0.084355
SAR 1g (W/Kg)	0.100275



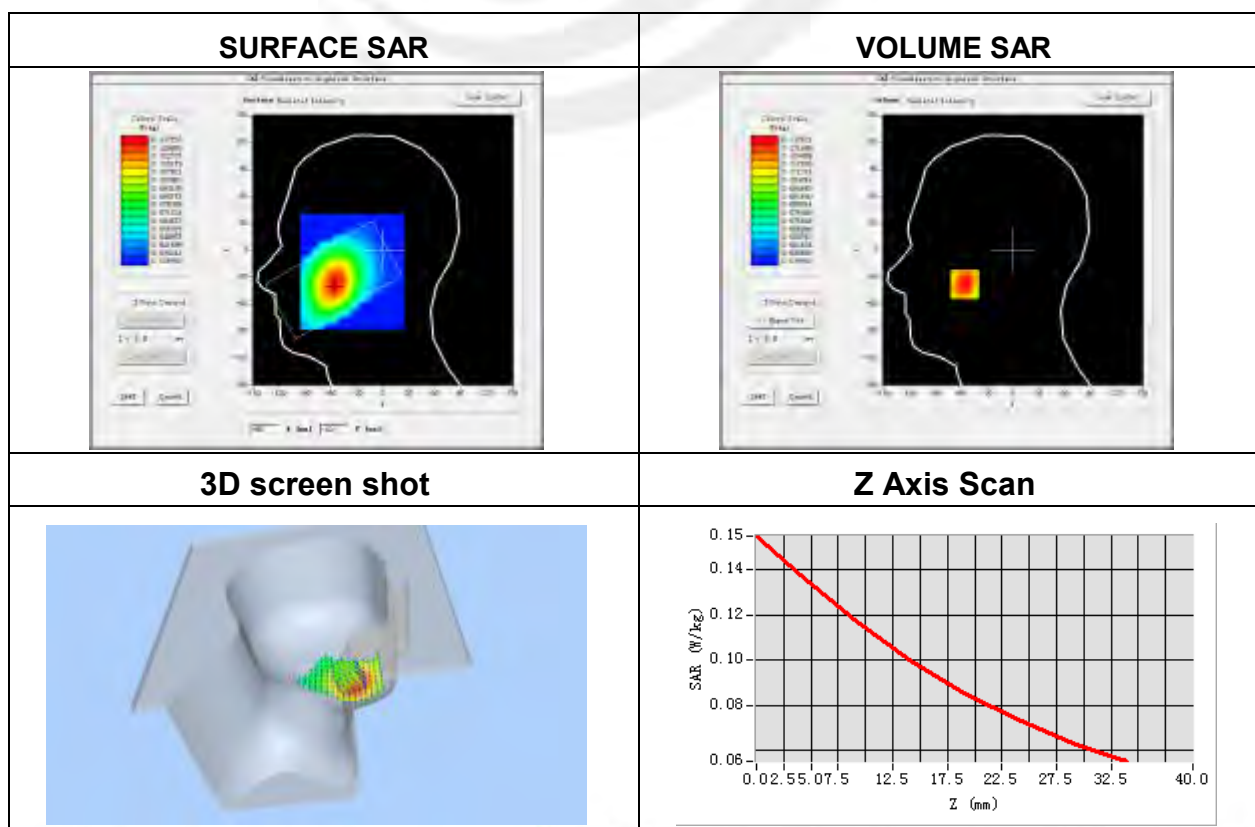
Plot 66: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.20
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	LTE Band 12 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	2535
Relative permittivity (real part)	38.5
Conductivity (S/m)	1.92
Variation (%)	-0.21

Maximum location: X=-56.00, Y=-38.00

SAR Peak: 0.16 W/kg

SAR 10g (W/Kg)	0.109760
SAR 1g (W/Kg)	0.136410



Plot 67: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.20
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Tilt
Band	LTE Band 12 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	2535
Relative permittivity (real part)	38.5
Conductivity (S/m)	1.92
Variation (%)	-0.10

Maximum location: X=-43.00, Y=-26.00

SAR Peak: 0.11 W/kg

SAR 10g (W/Kg)	0.082471
SAR 1g (W/Kg)	0.097889



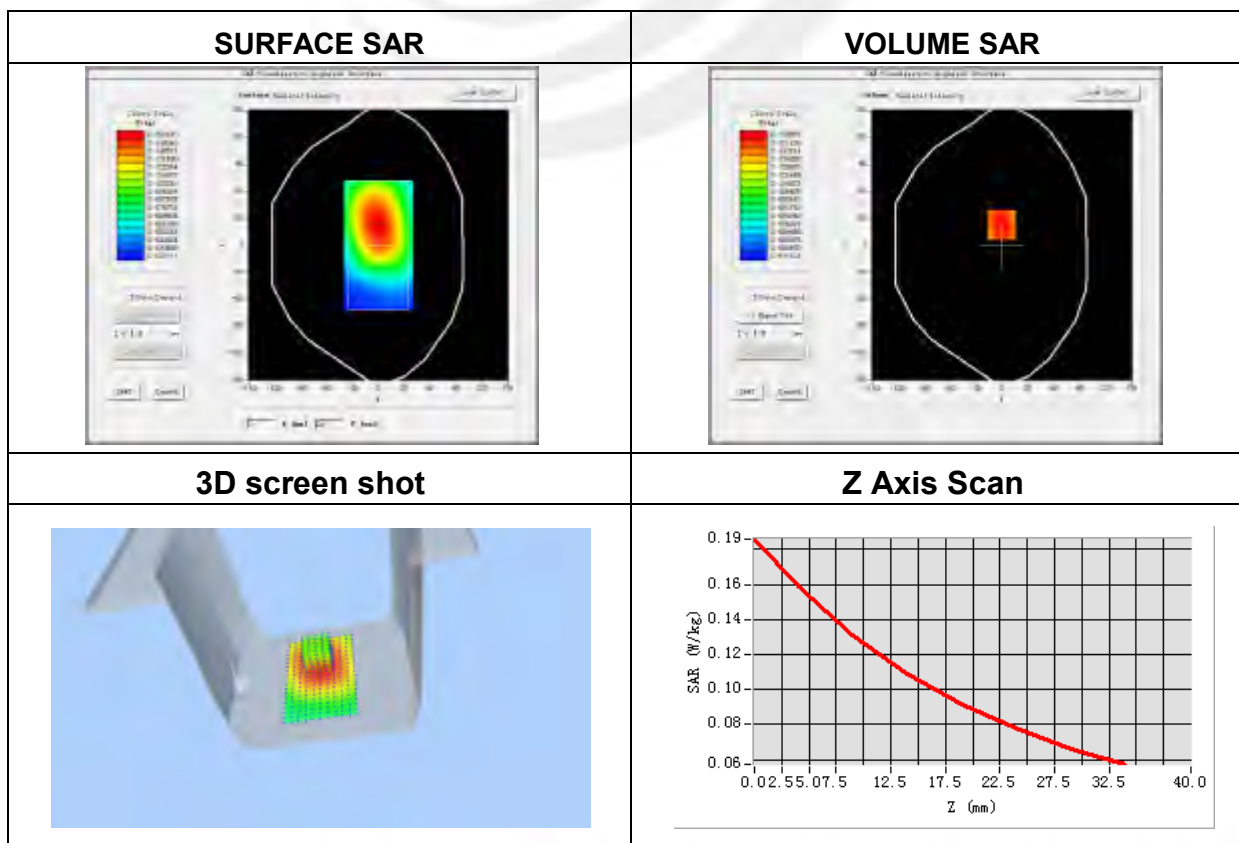
Plot 68: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.32
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body front
Band	LTE Band 12 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	2535
Relative permittivity (real part)	52.3
Conductivity (S/m)	2.12
Variation (%)	-0.47

Maximum location: X=-1.00, Y=23.00

SAR Peak: 0.129 W/kg

SAR 10g (W/Kg)	0.126216
SAR 1g (W/Kg)	0.158030



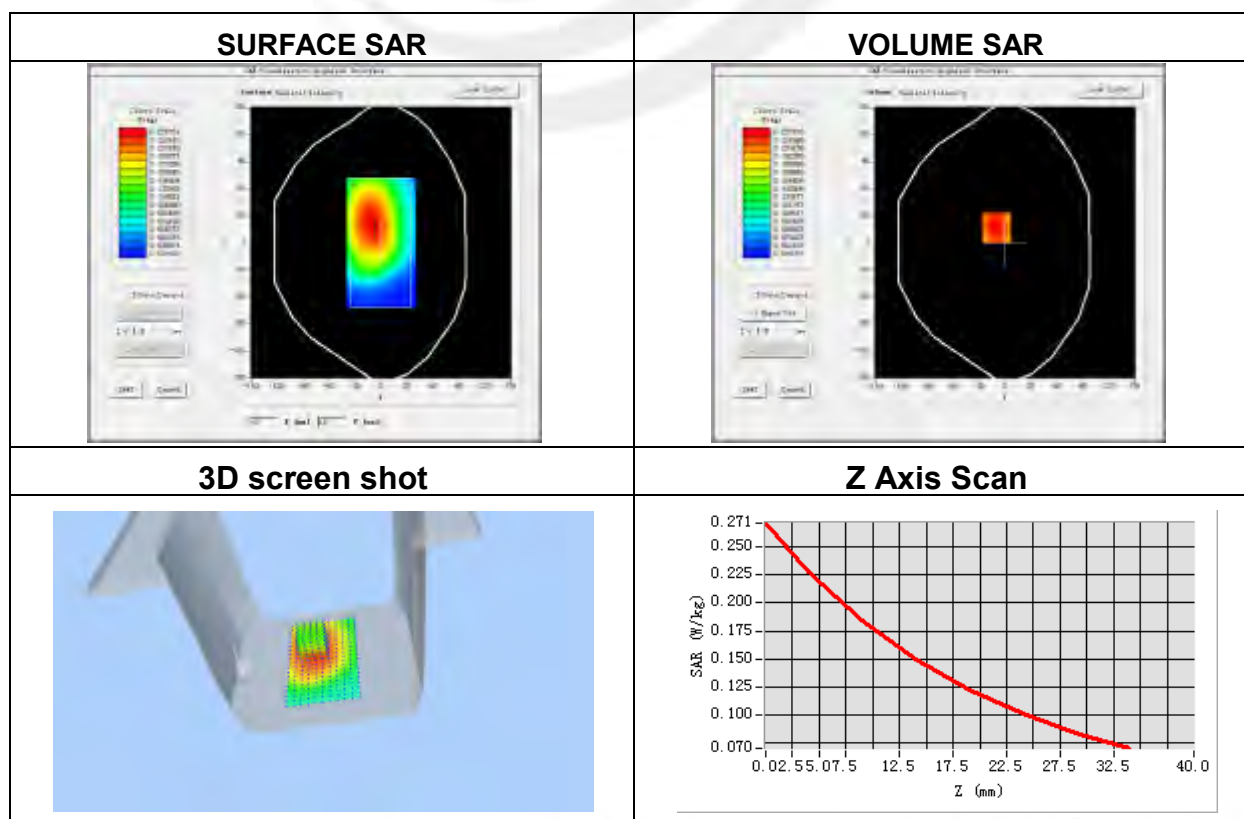
Plot 69: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.32
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back
Band	LTE Band 12 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	2535
Relative permittivity (real part)	52.3
Conductivity (S/m)	2.12
Variation (%)	-0.10

Maximum location: X=-10.00, Y=17.00

SAR Peak: 0.27 W/kg

SAR 10g (W/Kg)	0.177096
SAR 1g (W/Kg)	0.226826



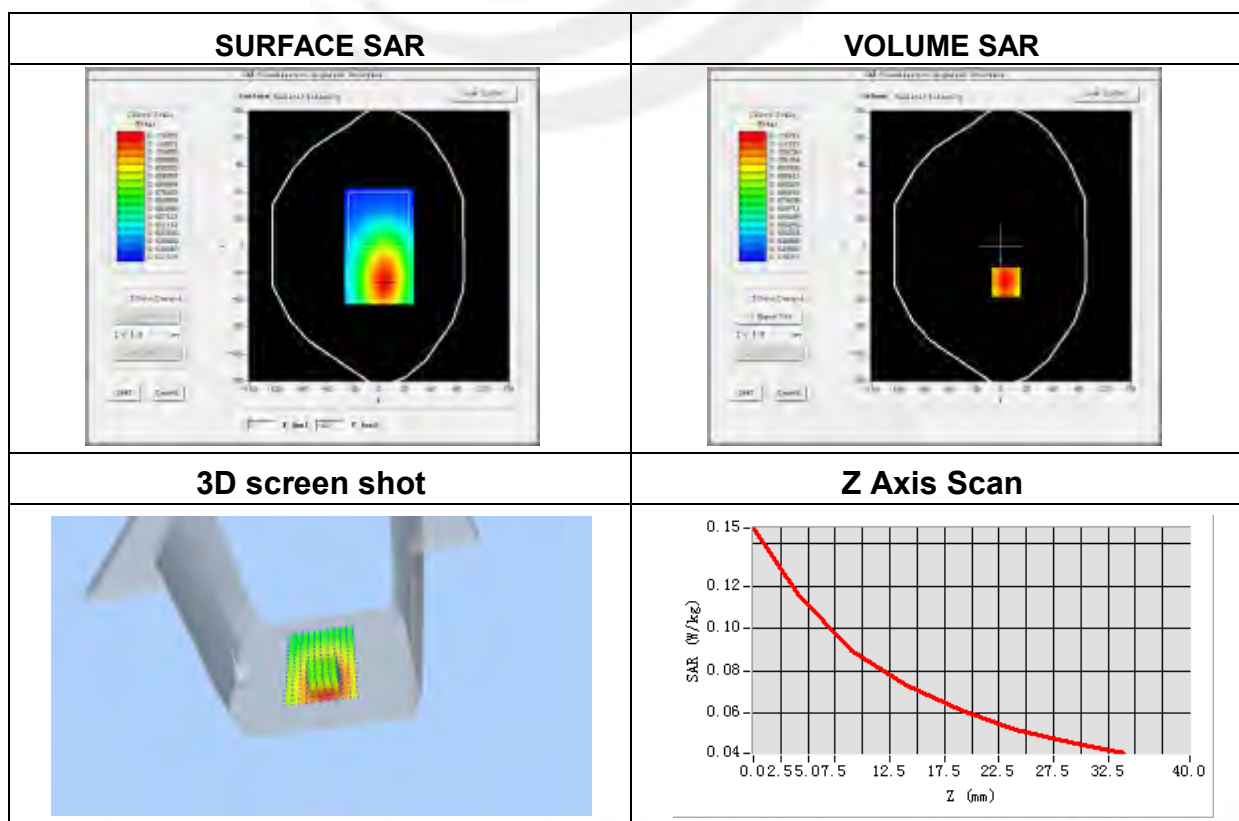
Plot 70: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.32
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body left side
Band	LTE Band 12 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	2535
Relative permittivity (real part)	52.3
Conductivity (S/m)	2.12
Variation (%)	-0.17

Maximum location: X=6.00, Y=-40.00

SAR Peak: 0.15 W/kg

SAR 10g (W/Kg)	0.088480
SAR 1g (W/Kg)	0.116191



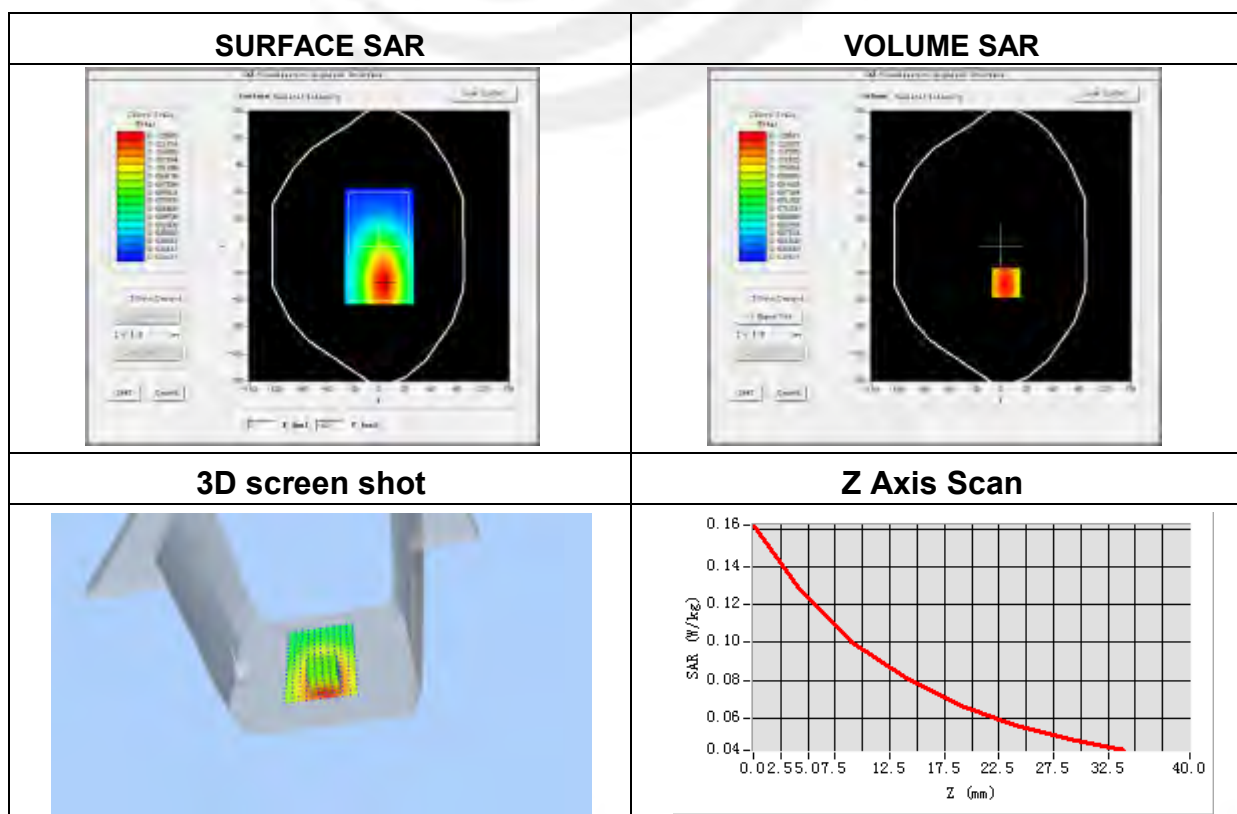
Plot 71: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.32
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body right side
Band	LTE Band 12 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	2535
Relative permittivity (real part)	52.3
Conductivity (S/m)	2.12
Variation (%)	0.08

Maximum location: X=6.00, Y=-41.00

SAR Peak: 0.16 W/kg

SAR 10g (W/Kg)	0.097219
SAR 1g (W/Kg)	0.128875



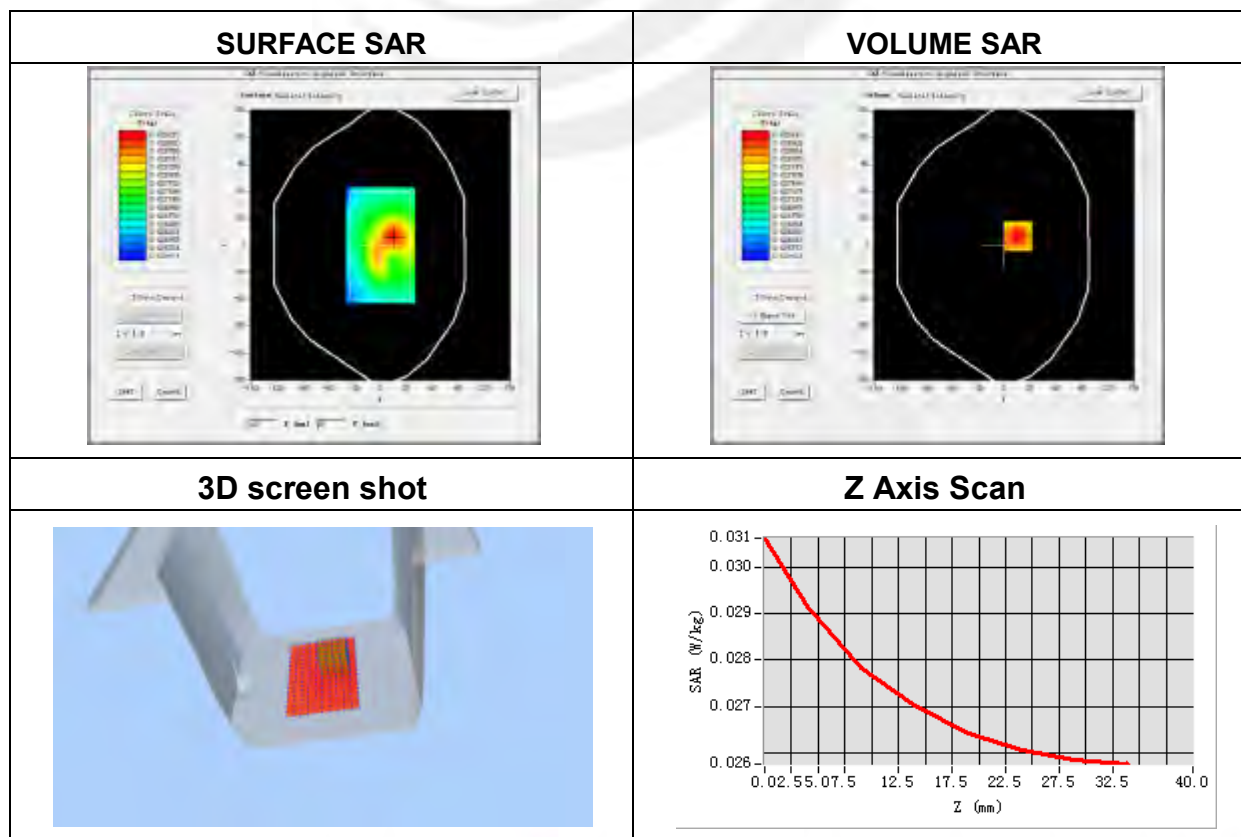
Plot 72: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.32
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body bottom side
Band	LTE Band 12 (RB 25)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	2535
Relative permittivity (real part)	52.3
Conductivity (S/m)	2.12
Variation (%)	1.10

Maximum location: X=-16.00, Y=10.00

SAR Peak: 0.03 W/kg

SAR 10g (W/Kg)	0.028214
SAR 1g (W/Kg)	0.029653



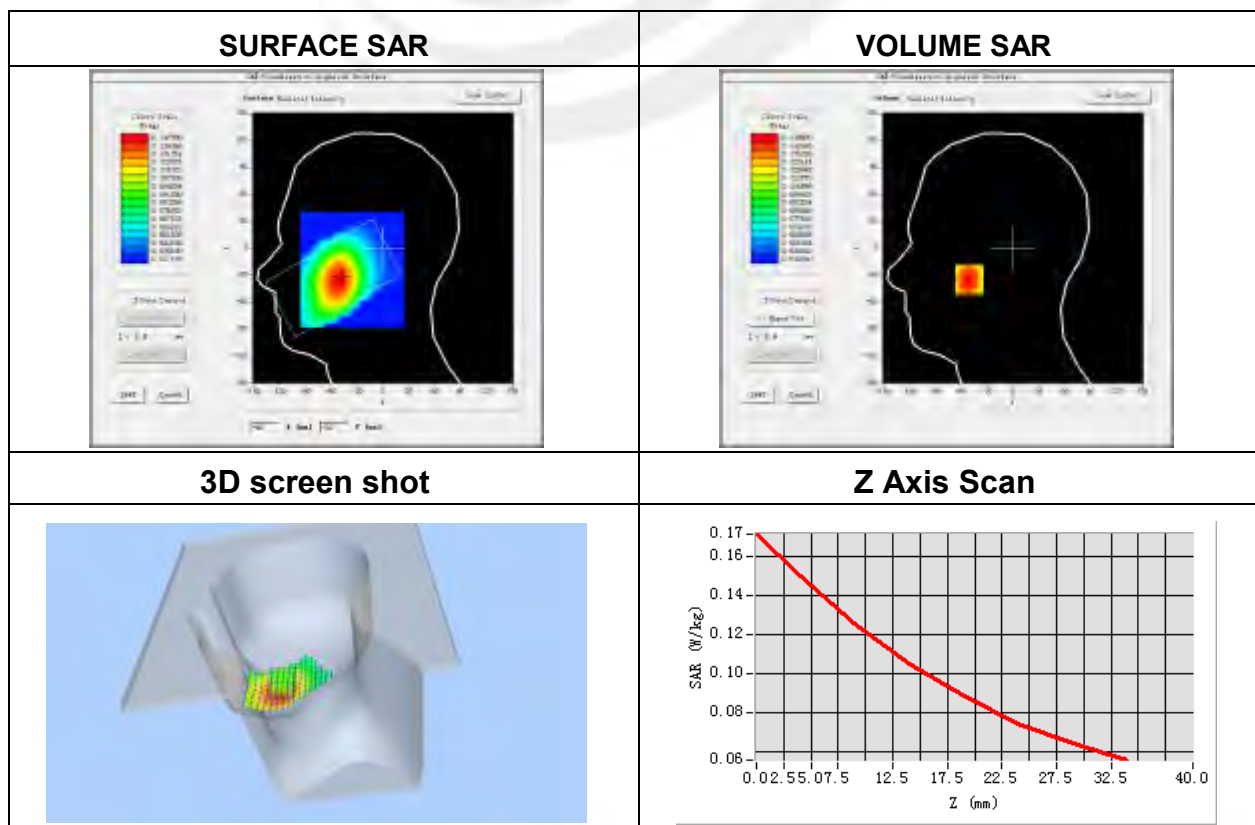
Plot 73: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.53
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Right head
Device Position	Cheek
Band	LTE Band 17 (RB 1)
Channels	High
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	711.0
Relative permittivity (real part)	41.2
Conductivity (S/m)	0.91
Variation (%)	-0.61

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

SAR Peak: 0.17 W/kg

SAR 10g (W/Kg)	0.117642
SAR 1g (W/Kg)	0.148289



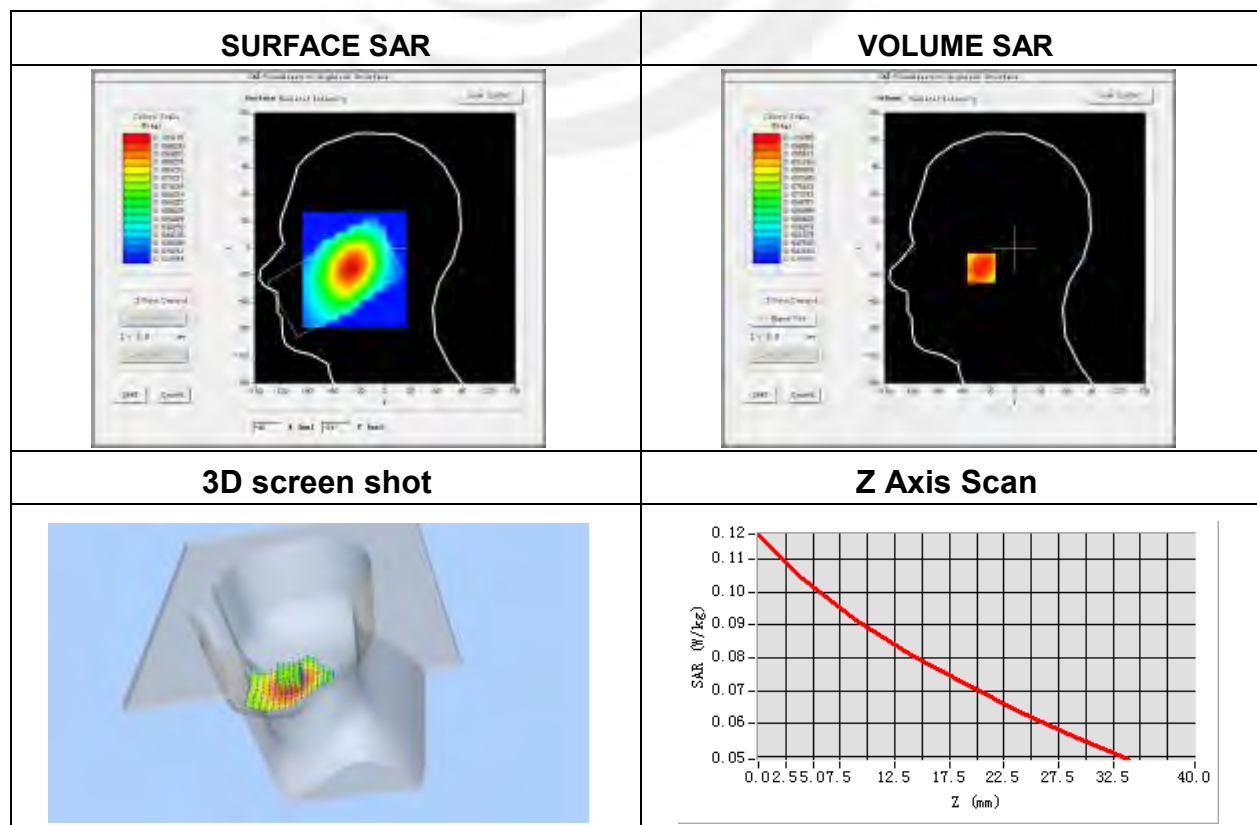
Plot 74: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.53
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Right head
Device Position	Tilt
Band	LTE Band 17 (RB 1)
Channels	High
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	711.0
Relative permittivity (real part)	41.2
Conductivity (S/m)	0.91
Variation (%)	-3.27

Maximum location: X=-39.00, Y=-22.00

SAR Peak: 0.12 W/kg

SAR 10g (W/Kg)	0.087381
SAR 1g (W/Kg)	0.104583



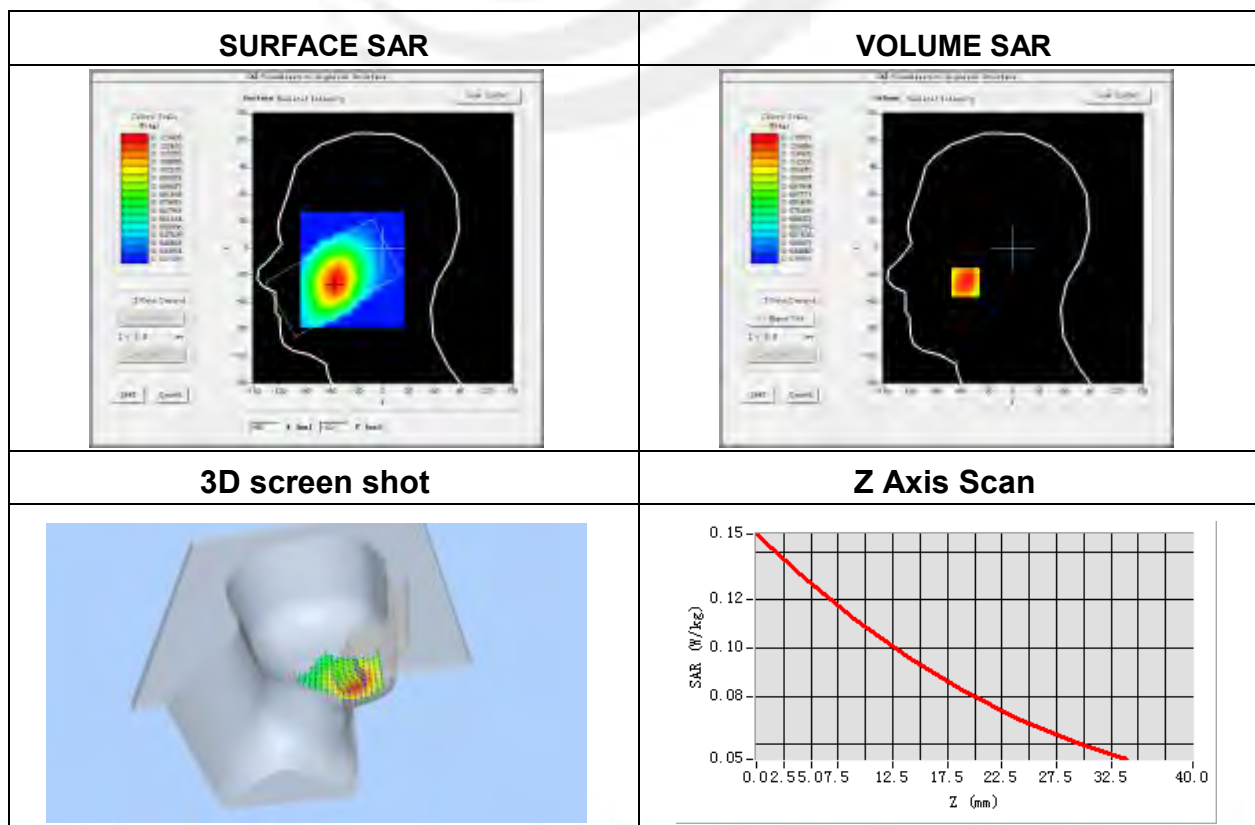
Plot 75: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.53
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	LTE Band 17 (RB 1)
Channels	High
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	711.0
Relative permittivity (real part)	41.2
Conductivity (S/m)	0.91
Variation (%)	0.25

Maximum location: X=-55.00, Y=-38.00

SAR Peak: 0.15 W/kg

SAR 10g (W/Kg)	0.104838
SAR 1g (W/Kg)	0.129733



Plot 76: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.53
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Tilt
Band	LTE Band 17 (RB 1)
Channels	High
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	711.0
Relative permittivity (real part)	41.2
Conductivity (S/m)	0.91
Variation (%)	-1.04

Maximum location: X=-48.00, Y=-33.00

SAR Peak: 0.12 W/kg

SAR 10g (W/Kg)	0.091225
SAR 1g (W/Kg)	0.108803



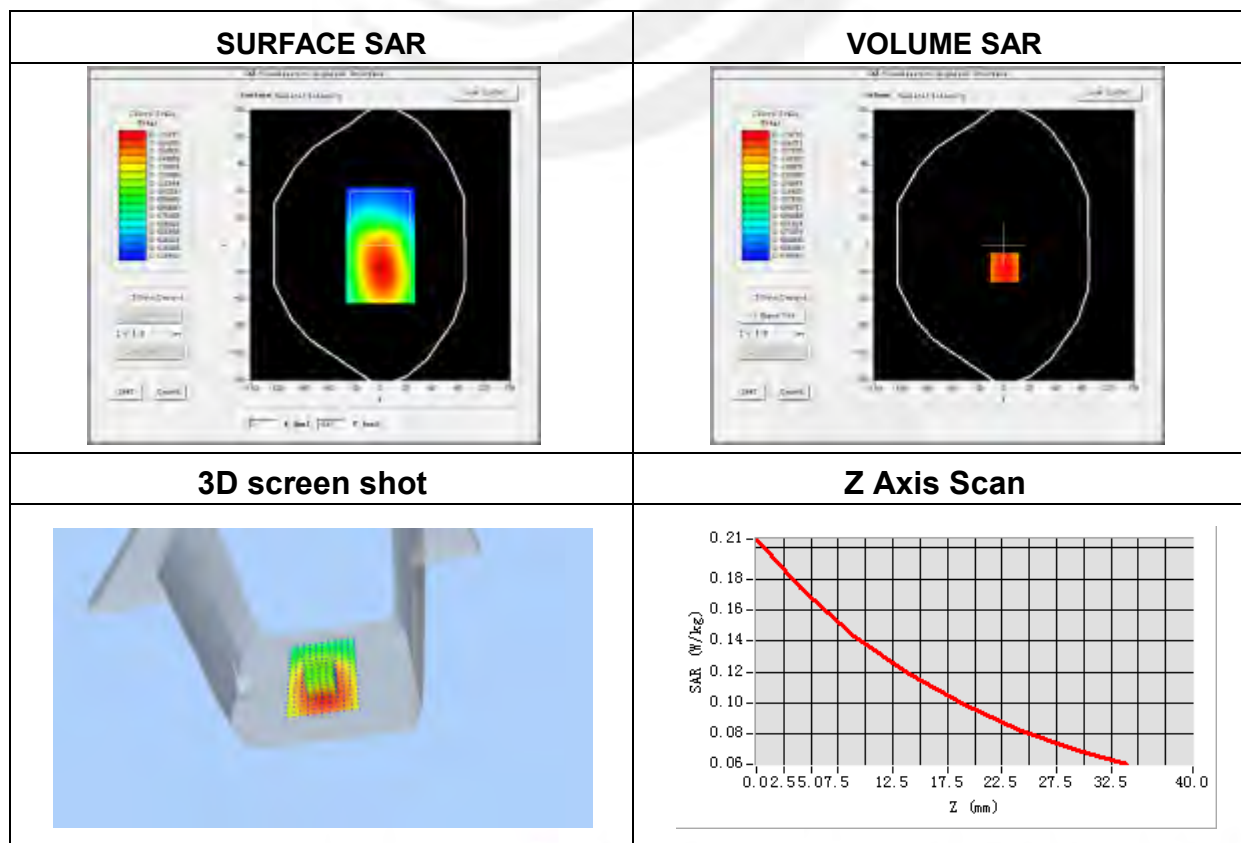
Plot 77: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.70
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body front
Band	LTE Band 17 (RB 1)
Channels	High
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	711.0
Relative permittivity (real part)	55.26
Conductivity (S/m)	0.91
Variation (%)	-4.34

Maximum location: X=1.00, Y=-25.00

SAR Peak: 0.21 W/kg

SAR 10g (W/Kg)	0.138072
SAR 1g (W/Kg)	0.173836



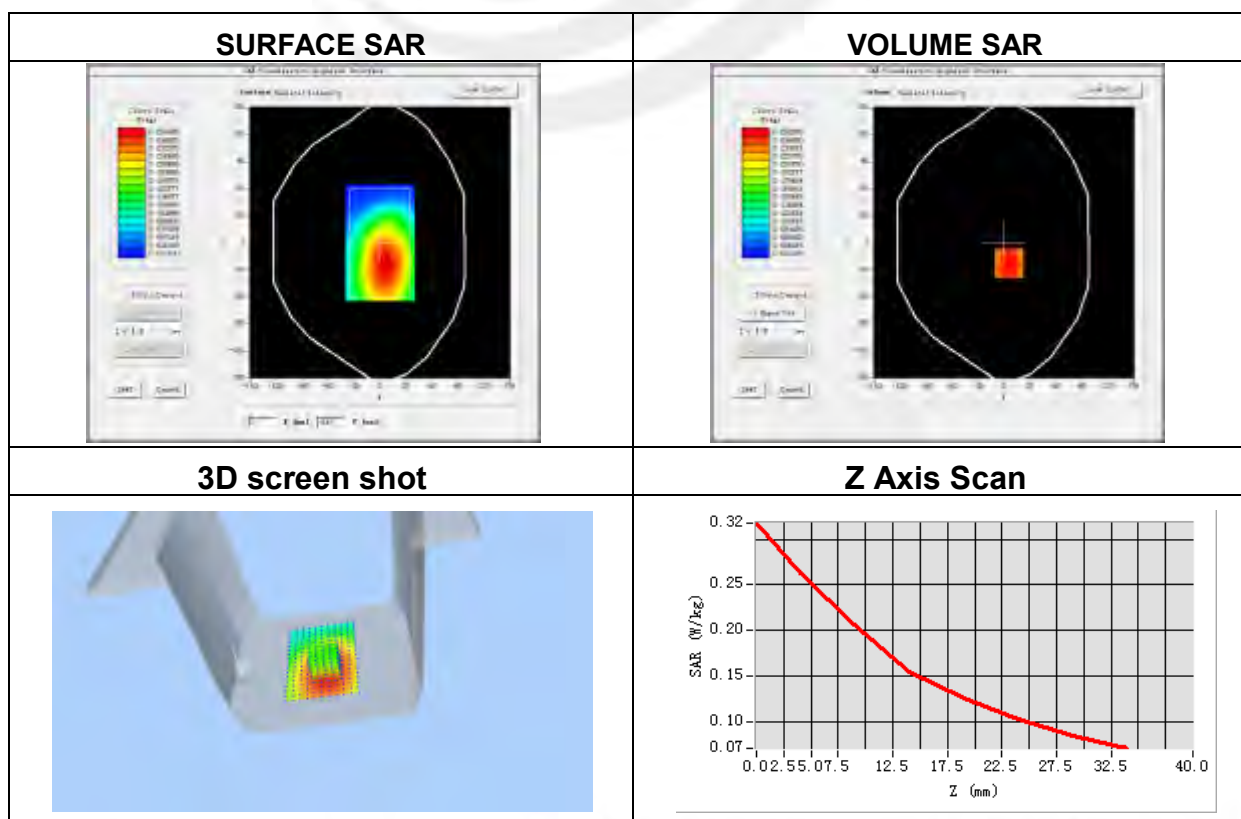
Plot 78: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.70
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back
Band	LTE Band 17 (RB 1)
Channels	High
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	711.0
Relative permittivity (real part)	55.26
Conductivity (S/m)	0.91
Variation (%)	-3.28

Maximum location: X=6.00, Y=-23.00

SAR Peak: 0.33 W/kg

SAR 10g (W/Kg)	0.195007
SAR 1g (W/Kg)	0.259604



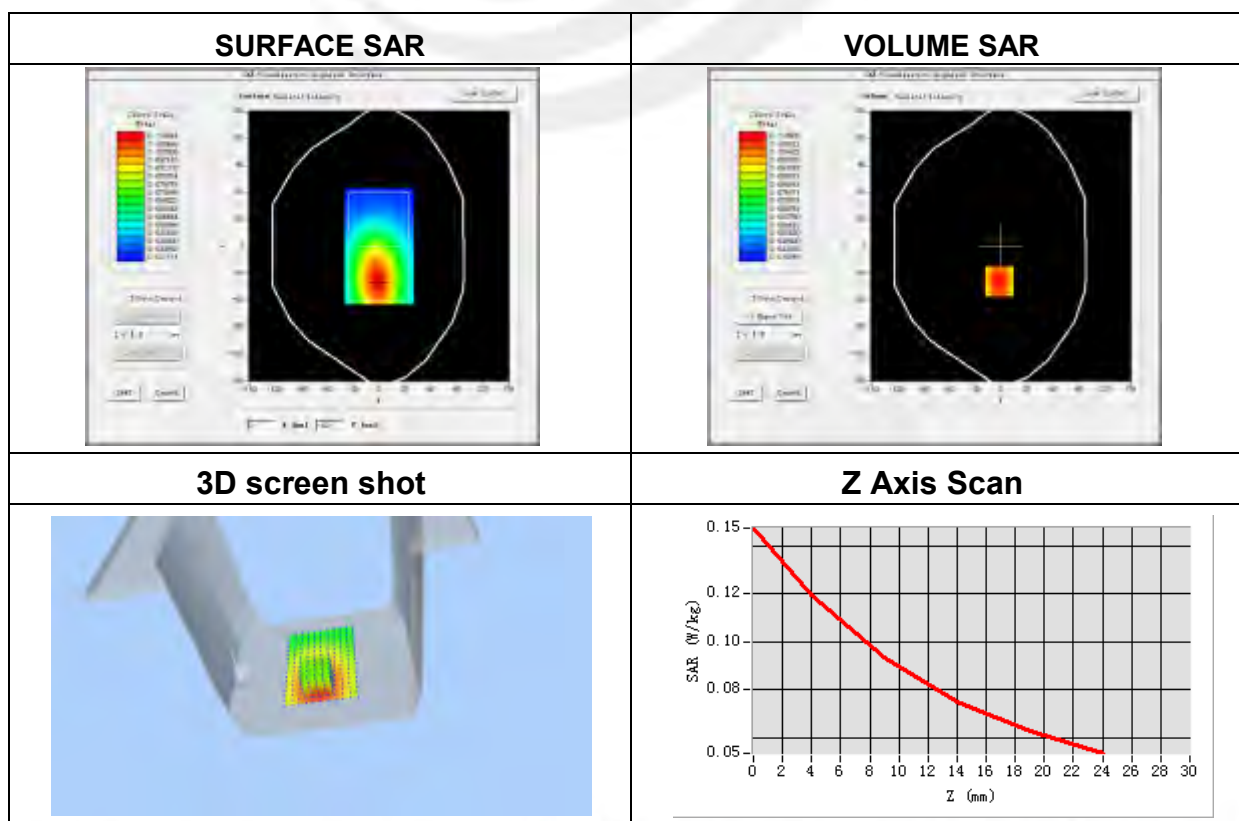
Plot 79: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.70
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body left side
Band	LTE Band 17 (RB 1)
Channels	High
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	711.0
Relative permittivity (real part)	55.26
Conductivity (S/m)	0.91
Variation (%)	-0.24

Maximum location: X=-1.00, Y=-40.00

SAR Peak: 0.15 W/kg

SAR 10g (W/Kg)	0.090356
SAR 1g (W/Kg)	0.117867



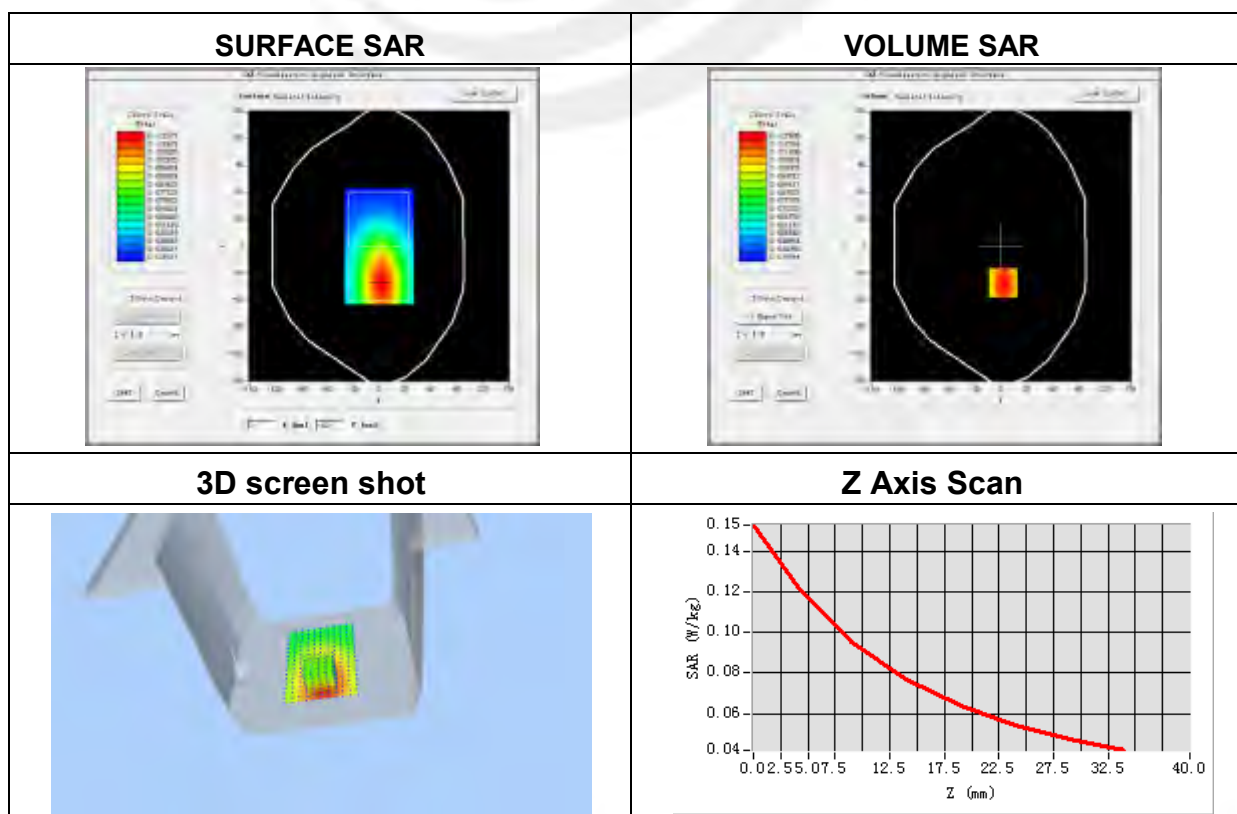
Plot 80: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.70
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body right side
Band	LTE Band 17 (RB 1)
Channels	High
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	711.0
Relative permittivity (real part)	55.26
Conductivity (S/m)	0.91
Variation (%)	-1.49

Maximum location: X=2.00, Y=-41.00

SAR Peak: 0.15 W/kg

SAR 10g (W/Kg)	0.092534
SAR 1g (W/Kg)	0.121675



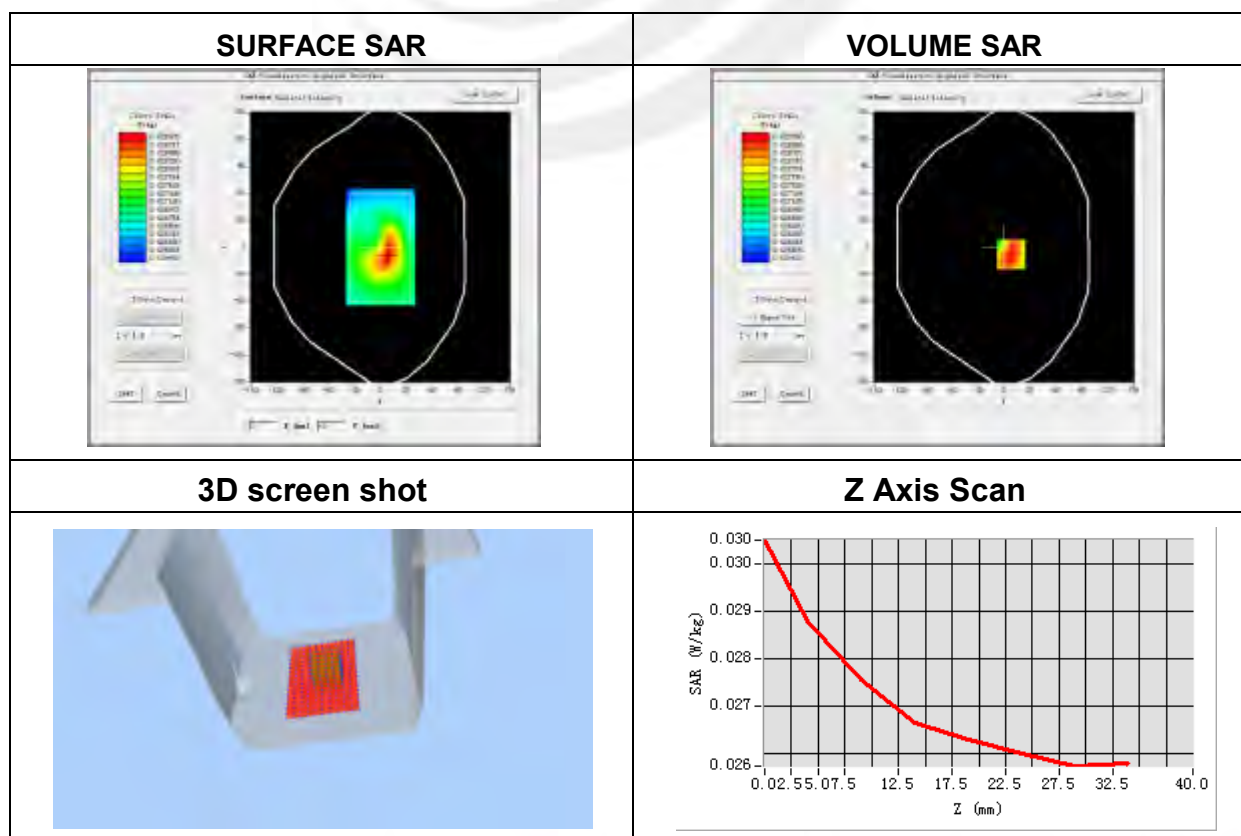
Plot 81: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Ambient Temperature(℃)	22.70
Liquid Temperature(℃)	22.30
Probe	SN 17/14 EP221
ConvF	4.70
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body bottom side
Band	LTE Band 17 (RB 1)
Channels	High
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	711.0
Relative permittivity (real part)	55.26
Conductivity (S/m)	0.91
Variation (%)	0.40

Maximum location: X=8.00, Y=-8.00

SAR Peak: 0.03 W/kg

SAR 10g (W/Kg)	0.027873
SAR 1g (W/Kg)	0.029272



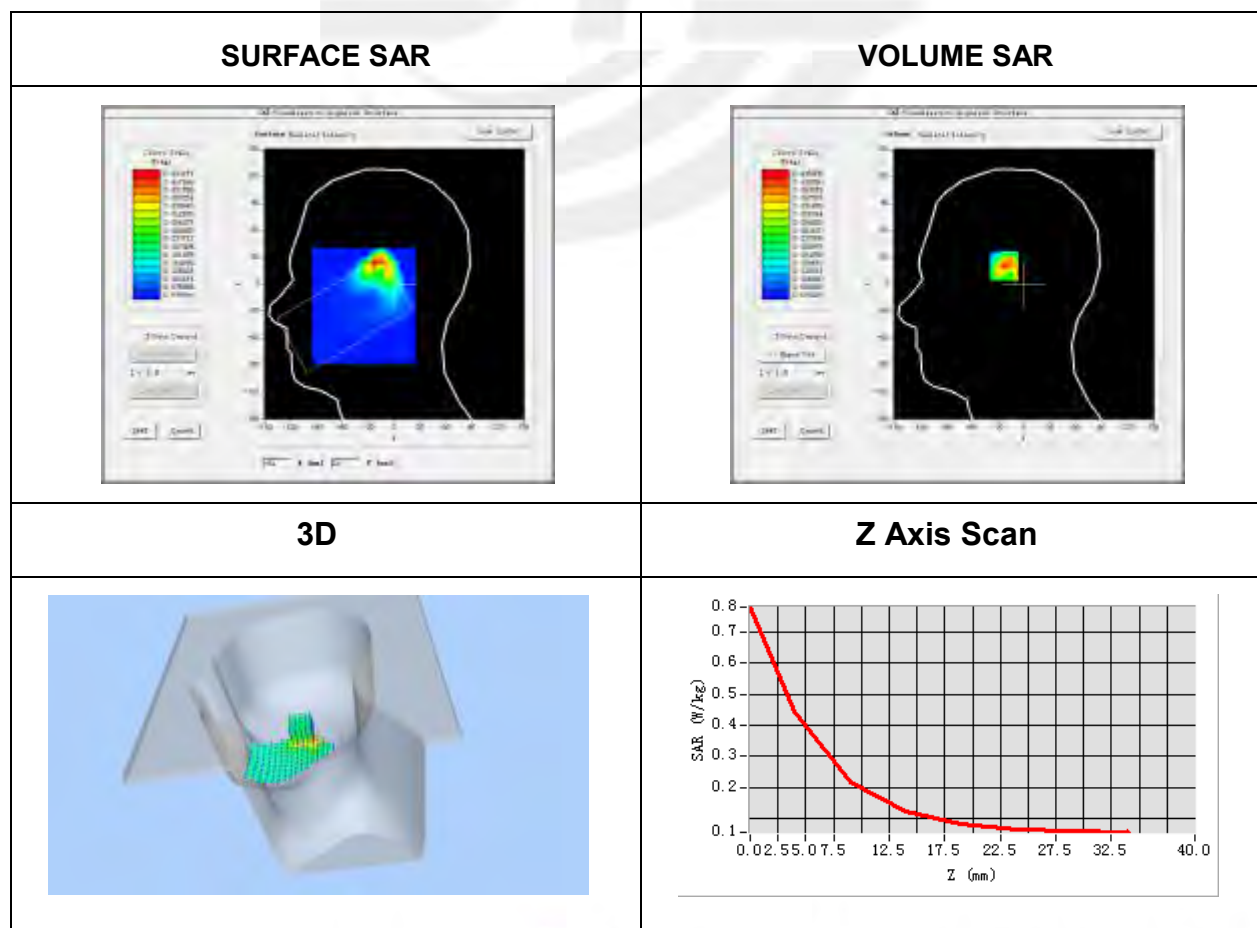
Plot 82: DUT:smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Probe	SN 17/14 EP221
ConvF	4.11
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Right head
Device Position	Cheek
Band	IEEE 802.11g ISM
Channels	Low
Signal	<u>IEEE802.g (Crest factor: 1.0)</u>
Frequency (MHz)	2412
Relative permittivity (real part)	39.23
Conductivity (S/m)	1.79
Variation (%)	-0.48

Maximum location: X=-23.00, Y=24.00

SAR Peak: 0.79 W/kg

SAR 10g (W/Kg)	0.211810
SAR 1g (W/Kg)	0.423046



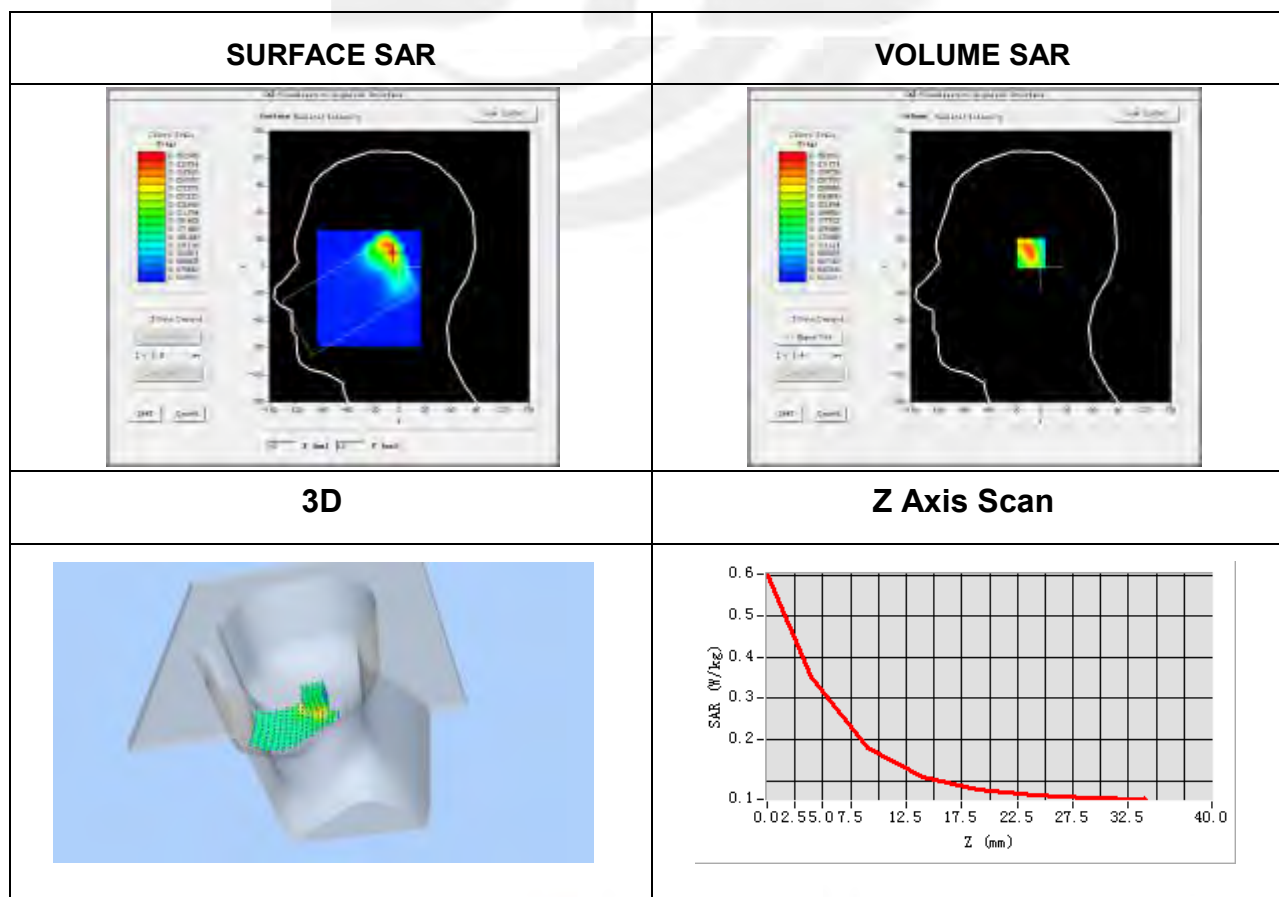
Plot 83: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Probe	SN 17/14 EP221
ConvF	4.11
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Right head
Device Position	Tilt
Band	IEEE 802.11g ISM
Channels	Low
Signal	IEEE802.g (Crest factor: 1.0)
Frequency (MHz)	2412
Relative permittivity (real part)	39.23
Conductivity (S/m)	1.79
Variation (%)	-0.62

Maximum location: X=-8.00, Y=-16.00

SAR Peak: 0.60 W/kg

SAR 10g (W/Kg)	0.176143
SAR 1g (W/Kg)	0.330823

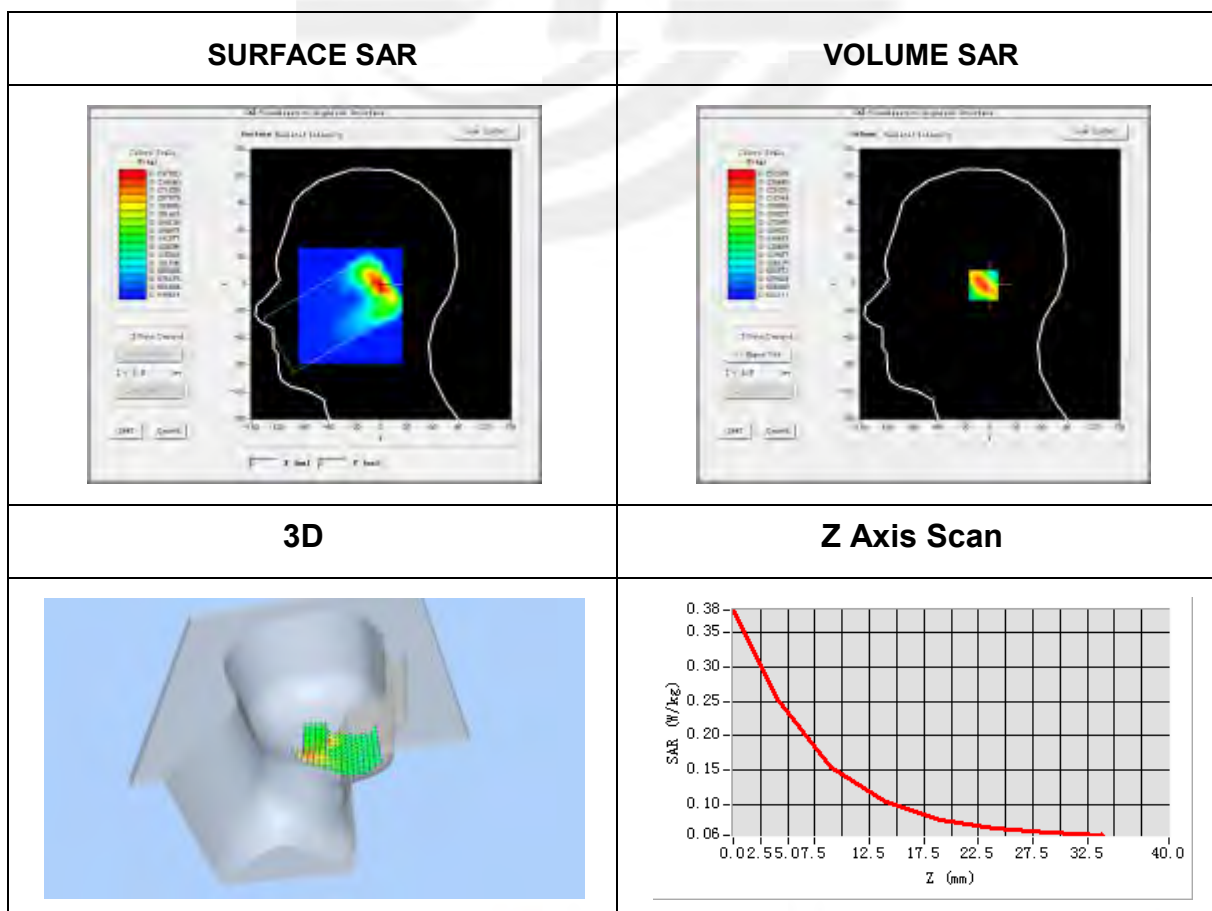


Plot 84: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Probe	SN 17/14 EP221
ConvF	4.11
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	IEEE 802.11g ISM
Channels	Low
Signal	IEEE802.g (Crest factor: 1.0)
Frequency (MHz)	2412
Relative permittivity (real part)	39.23
Conductivity (S/m)	1.79
Variation (%)	-0.61

Maximum location: X=-1.00, Y=-1.00
SAR Peak: 0.39 W/kg

SAR 10g (W/Kg)	0.146571
SAR 1g (W/Kg)	0.241906

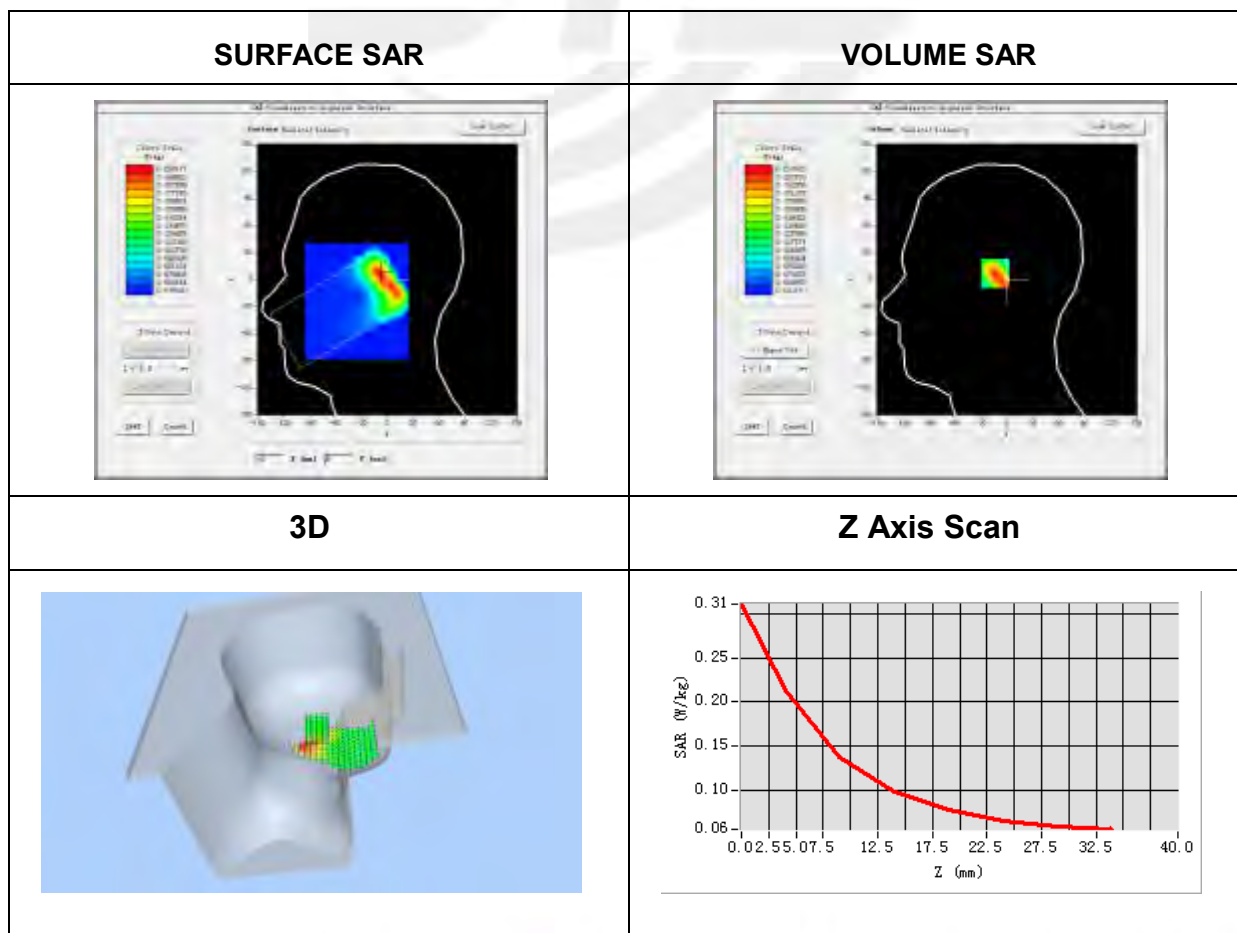


Plot 85: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Probe	SN 17/14 EP221
ConvF	4.11
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Tilt
Band	IEEE 802.11g ISM
Channels	Low
Signal	<u>IEEE802.g (Crest factor: 1.0)</u>
Frequency (MHz)	2412
Relative permittivity (real part)	39.23
Conductivity (S/m)	1.79
Variation (%)	-0.22

Maximum location: X=-9.00, Y=7.00
SAR Peak: 0.32 W/kg

SAR 10g (W/Kg)	0.129378
SAR 1g (W/Kg)	0.200181

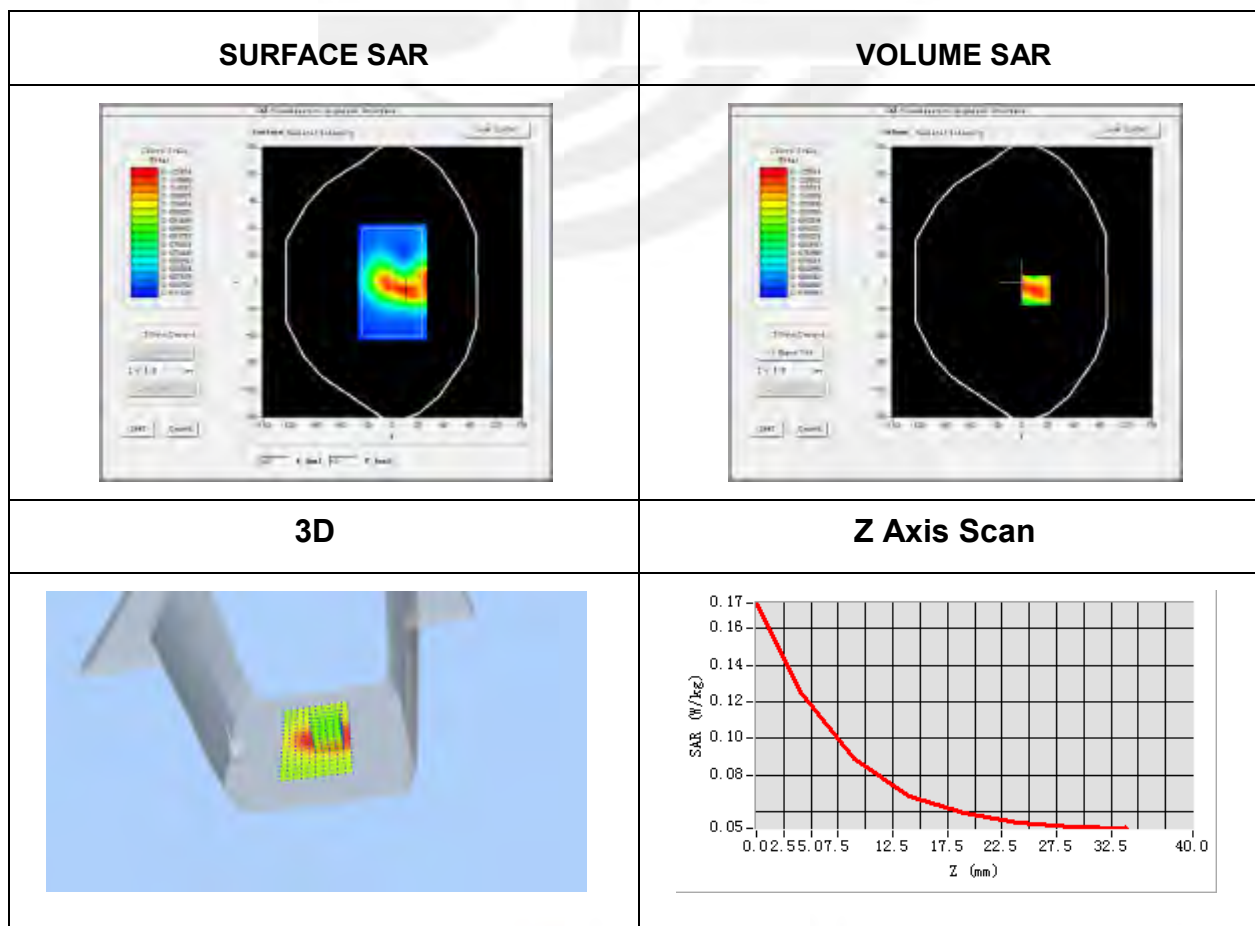


Plot 86: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Probe	SN 17/14 EP221
ConvF	4.25
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body Front side
Band	IEEE 802.11g ISM
Channels	Low
Signal	<u>IEEE802.g (Crest factor: 1.0)</u>
Frequency (MHz)	2412
Relative permittivity (real part)	39.23
Conductivity (S/m)	1.79
Variation (%)	-1.63

Maximum location: X=16.00, Y=-9.00
SAR Peak: 0.18 W/kg

SAR 10g (W/Kg)	0.086806
SAR 1g (W/Kg)	0.121924

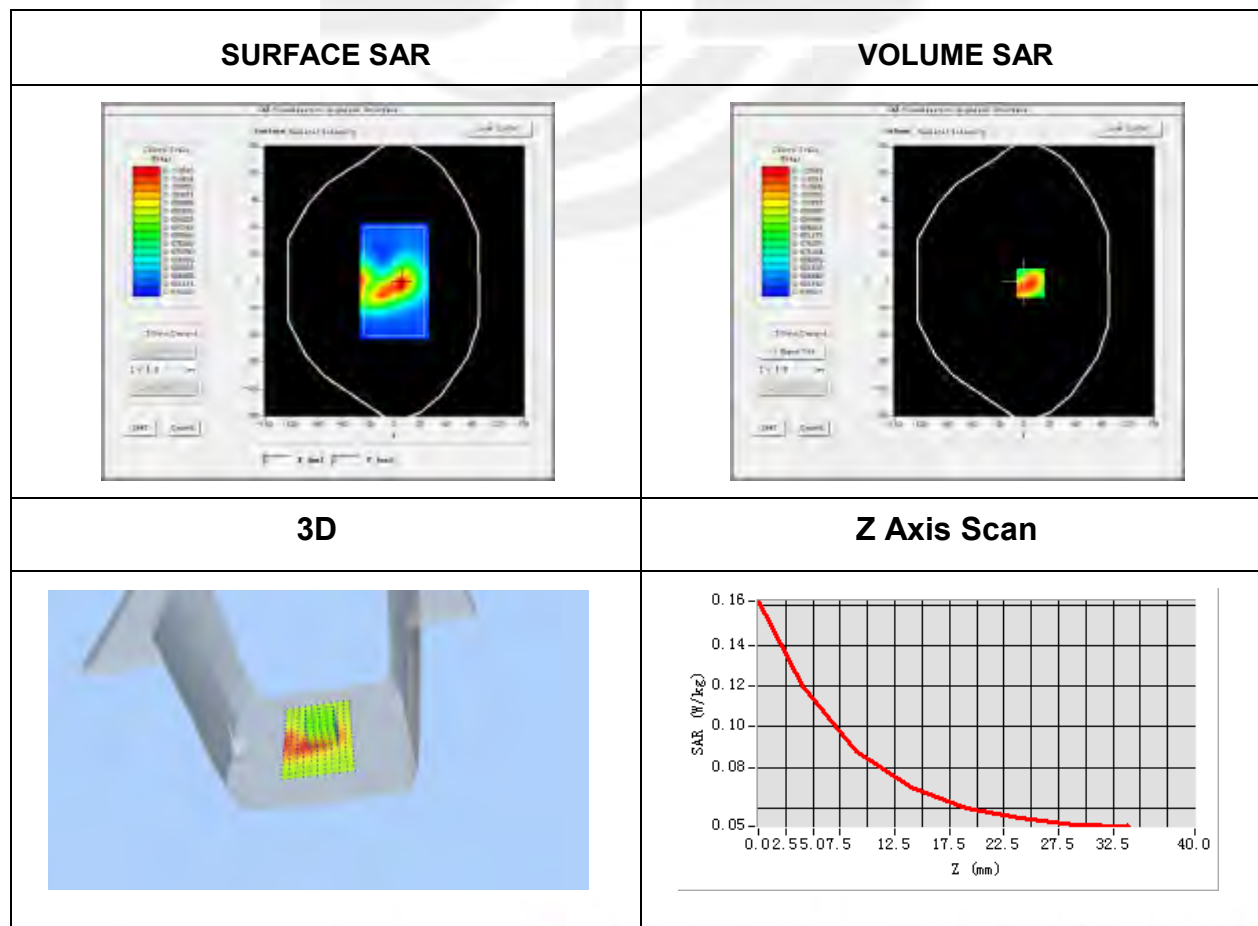


Plot 87: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Probe	SN 17/14 EP221
ConvF	4.25
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back side
Band	IEEE 802.11g ISM
Channels	Low
Signal	<u>IEEE802.g (Crest factor: 1.0)</u>
Frequency (MHz)	2412
Relative permittivity (real part)	39.23
Conductivity (S/m)	1.79
Variation (%)	1.05

Maximum location: X=7.00, Y=-2.00
SAR Peak: 0.16 W/kg

SAR 10g (W/Kg)	0.084756
SAR 1g (W/Kg)	0.117178

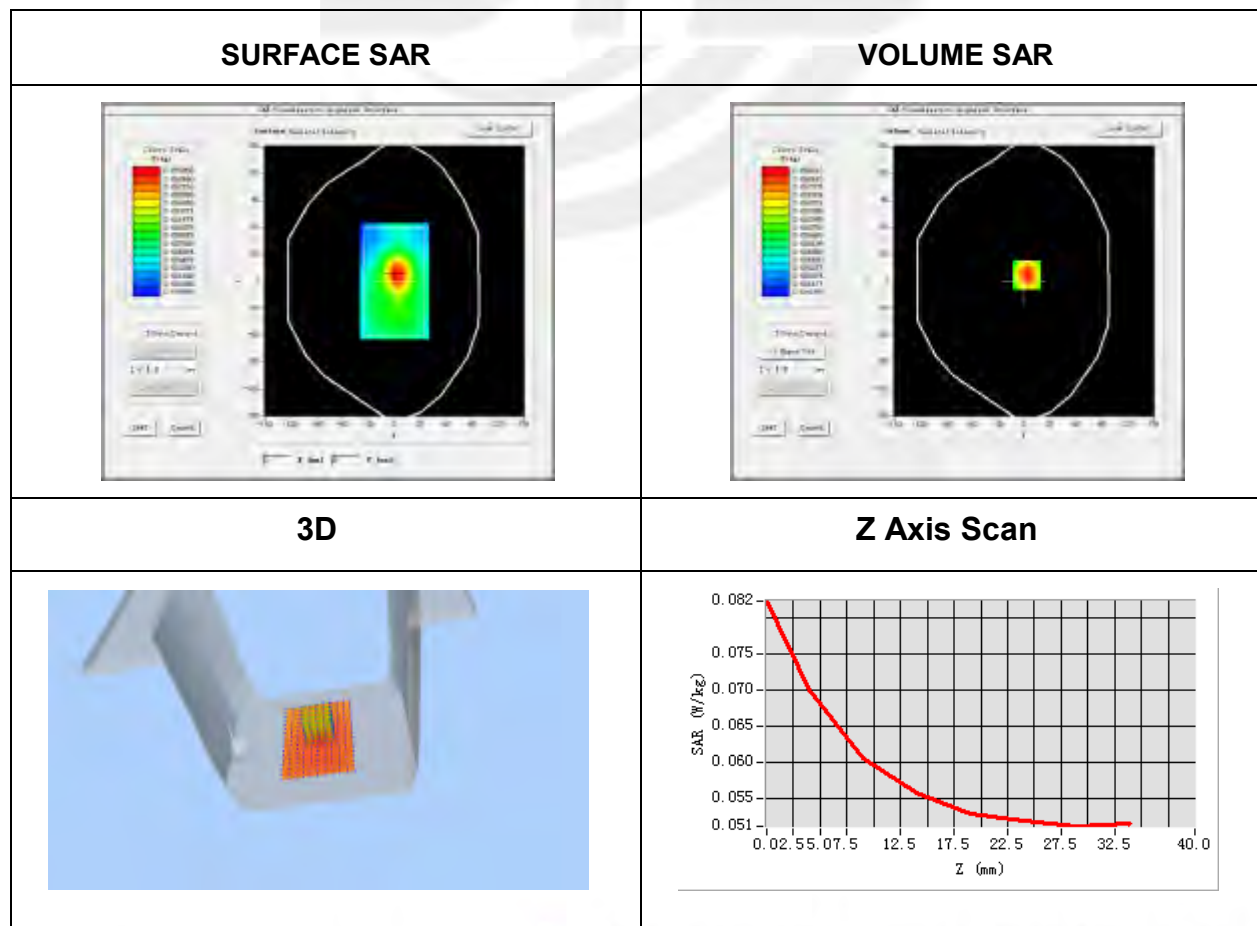


Plot 88: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Probe	SN 17/14 EP221
ConvF	4.25
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body lift side
Band	IEEE 802.11g ISM
Channels	Low
Signal	<u>IEEE802.g (Crest factor: 1.0)</u>
Frequency (MHz)	2412
Relative permittivity (real part)	39.23
Conductivity (S/m)	1.79
Variation (%)	0.96

Maximum location: X=3.00, Y=7.00
SAR Peak: 0.08 W/kg

SAR 10g (W/Kg)	0.060046
SAR 1g (W/Kg)	0.069142



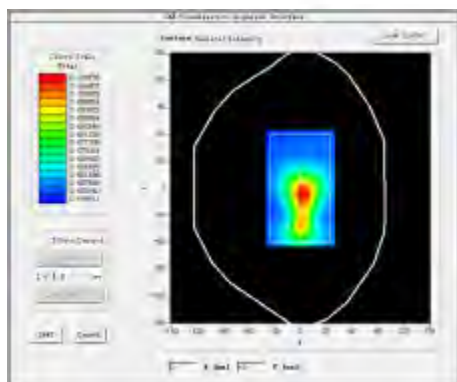
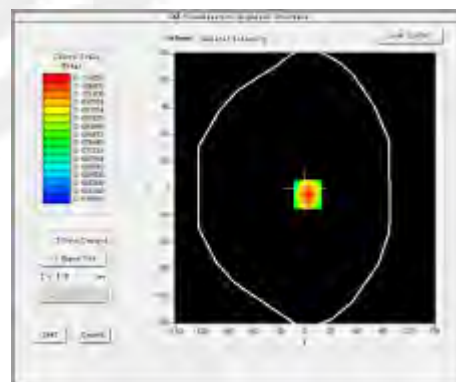
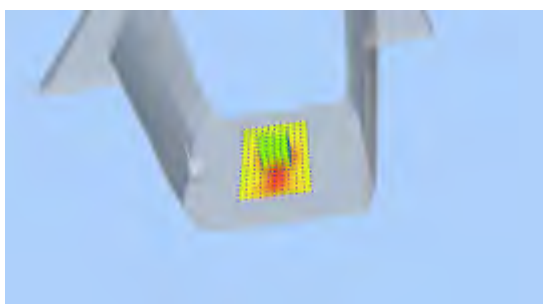
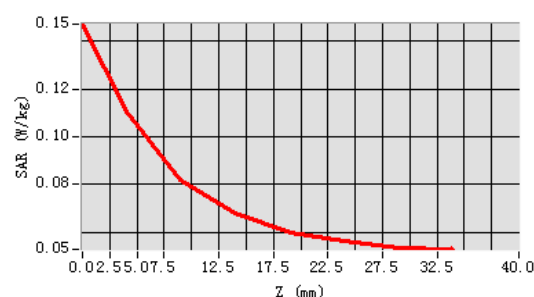
Plot 89: DUT: smart phone; EUT Model: Sky 5.0L

Test Data	2015-07-13
Probe	SN 17/14 EP221
ConvF	4.25
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body top side
Band	IEEE 802.11g ISM
Channels	Low
Signal	<u>IEEE802.g (Crest factor: 1.0)</u>
Frequency (MHz)	2412
Relative permittivity (real part)	39.23
Conductivity (S/m)	1.79
Variation (%)	-0.03

Maximum location: X=3.00, Y=-7.00

SAR Peak: 0.15 W/kg

SAR 10g (W/Kg)	0.079807
SAR 1g (W/Kg)	0.107970

SURFACE SAR

VOLUME SAR

3D

Z Axis Scan




Appendix C. Probe Calibration And Dipole Calibration Report

Refer the appendix Calibration Report.

※※※※END OF THE REPORT※※※※

