FCC SAR TEST REPORT

Report No: STS1502048H01

Issued for

Posh Mobile Limited

1011A, 10/F., Harbour Centre Tower 1, No.1 Hok Cheung St., Hung Hom, Kowloon, Hong Kong

Product Name:	Titan Max HD
Brand Name:	POSH
Model No.:	E600A
Series Model:	E600B
FCC ID:	2ABN6E600
Test Standard:	ANSI/IEEE Std. C95.1
	FCC 47 CFR Part 2 (2.1093)
	IEEE 1528: 2013
Max. SAR (1g):	Head:0.645 W/kg
	Body: 0.699 W/kg

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Test Report Certification

Applicant's name	:	Posh Mobile Limited
Address	:	1011A, 10/F., Harbour Centre Tower 1, No.1 Hok Cheung St., Hung Hom, Kowloon, Hong Kong
Manufacture's Name	:	Shenzhen Posh Mobile Limited
Address	:	Room 6G,Block C,NEO Building,Chegongmiao,Futian District, Shenzhen,P.R.China

Product description

Product name	:	Titan Max HD
Trademark	:	POSH
Model and/or type reference	:	E600A
Serial Model：		E600B
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	:	09 Feb. 2015
Date of Issue	:	10 Feb. 2015
Test Result	:	**Pass**

Testing Engineer **:** Allen Chen

(Allen Chen)

Technical Manager **:** John Zou

(John Zou)

Authorized Signatory **:** Bovey Yang

(Bovey Yang)

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1. General Information

1.1 EUT Description

Equipment	Titan Max HD		
Brand Name	POSH		
Model No.	E600A		
Serial Model	E600B		
FCC ID	2ABN6E600		
Model Difference	Only different in the model name		
Adapter	Input: AC100-240V, 0.15A, 50/60 Hz Output: DC 5V, 1000mA		
Battery	Rated Voltage: 3.7V Charge Limits:4.2V Capacity: 3000mAh		
Hardware Version	G3922		
Software Version	E600-POSH-V01-20150108		
Frequency Range	GSM 850: 824.2 ~ 848.8 MHz PCS1900: 1850.2 ~ 1909.8 MHz WCDMA II: 1852.4~1907.6 MHz WCDMA IV:1712.4~1752.6 MHz WCDMA V: 826.4~846.6 MHz WLAN 802.11 b/g/n(HT20):2412-2462 MHz WLAN 802.11 n(HT40):2422-2452 MHz Bluetooth:2402~2480MHz		
Transmit Power(MAX):	GSM 850: 31.23dBm GSM 1900: 30.68dBm WCDMA II: 22.07dBm WCDMA IV: 21.76dBm WCDMA V: 22.59dBm	802.11b: 16.18dBm 802.11g: 12.77dBm 802.11 n(HT20): 11.88dBm 802.11 n(HT40): 9.79dBm Bluetooth: 6.272dBm	
Max. Reported SAR(1g):	Head: GSM 850: 0.221 W/kg GSM 1900: 0.340 W/kg WCDMA II: 0.304 W/kg WCDMA IV: 0.200 W/kg WCDMA V: 0.645 W/kg WIFI: 0.092 W/kg	Body: GSM 850: 0.300 W/kg GSM 1900: 0.257 W/kg WCDMA II: 0.699 W/kg WCDMA IV: 0.304W/kg WCDMA V: 0.317 W/kg WIFI: 0.069 W/kg	Hotspot: GSM 850: 0.619 W/kg GSM 1900: 0.587 W/kg WCDMA II: 0.699 W/kg WCDMA IV: 0.304W/kg WCDMA V: 0.317 W/kg WIFI: 0.069 W/kg
Operating Mode:	GSM: GSM Voice/GPRS/EGPRS Class 12; WCDMA: RMC/HSDPA/HSUPA Release 6; WLAN: 802.11 b/g/n; Bluetooth: V4.0 + EDR (GFSK + π /4DQPSK+8DPSK)		
Antenna Specification:	GSM/WCDMA: 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 (℃)	18-25	22~23
Humidity (%RH)	30-70	55~65

1.3 Test Facility

Shenzhen STS Test Services Co., Ltd.
Add. : 1/F, Building 2, Zhuoke Science Park, Chongqing Road, Fuyong, Baoan District, Shenzhen, China
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 D01 v01r03	SAR Measurement 100 MHz to 6 GHz
7	FCC KDB 941225 D01	SAR Measurement Procedures for 3G Devices
8	FCC KDB 248227 D01	SAR Measurement Procedures for 802.11 a/b/g Transmitters

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:

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

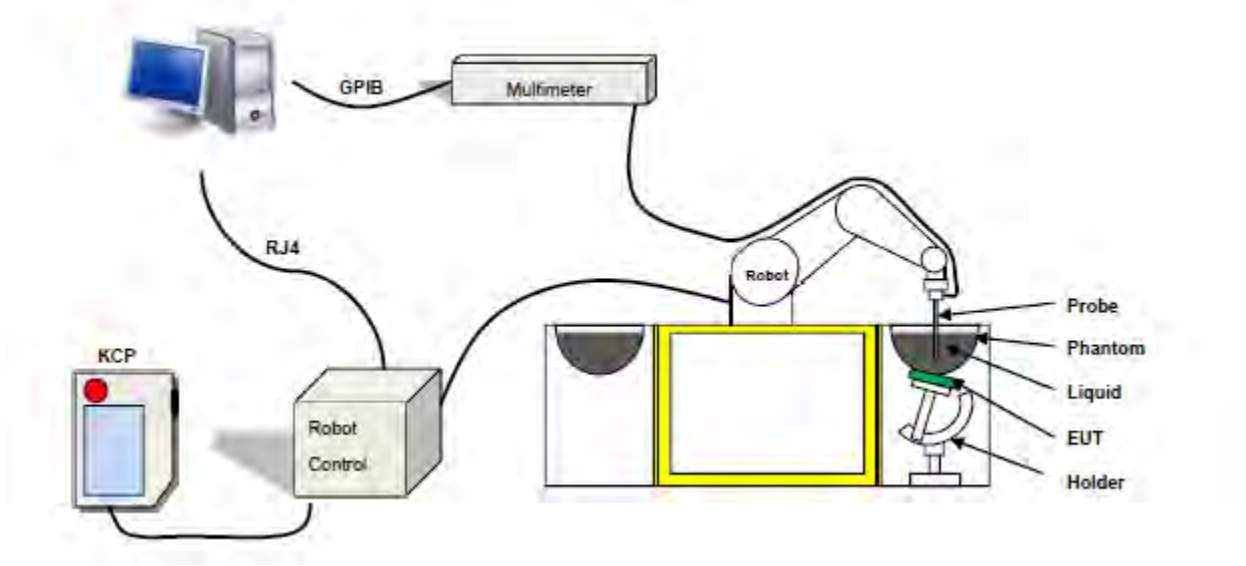
SAR is expressed in units of Watts per kilogram (W/kg) SAR measurement can be related to the electrical field in the tissue by

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

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 suface normal line:less than 30°

Figure 1 – *Satimo COMOSAR Dosimetric E field Dipole*

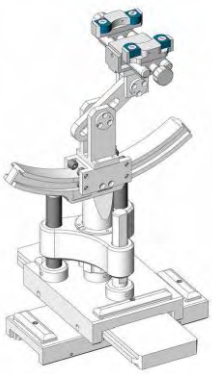
3.2.2 Phantom

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: Feb.09, 2015 **Ambient condition:** Temperature 22.7°C **Relative humidity:** 49%

Head Simulating Liquid		Parameters	Target	Measured	Deviation[%]	Limited[%]
Frequency	Temp. [°C]					
835 MHz	22.30	Permitivity:	41.50	41.27	-0.55	±5
		Conductivity:	0.90	0.91	1.11	± 5
1900 MHz	22.30	Permitivity:	40.00	39.57	-1.07	± 5
		Conductivity:	1.40	1.403	0.21	± 5
2450 MHz	22.30	Permitivity:	39.2	37.8	-3.5	± 5
		Conductivity:	1.80	1.86	3.3	± 5

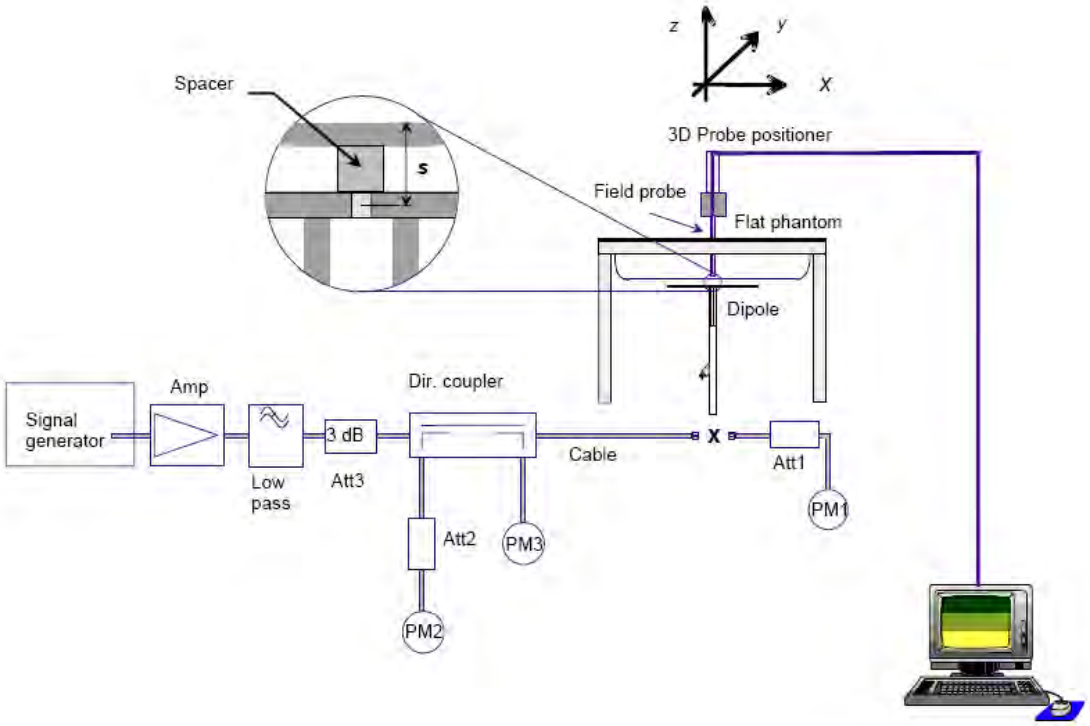
Body Simulating Liquid		Parameters	Target	Measured	Deviation[%]	Limited[%]
Frequency	Temp. [°C]					
835 MHz	22.30	Permitivity:	55.20	55.50	0.54	± 5
		Conductivity:	0.97	0.96	-1.03	± 5
1900 MHz	22.30	Permitivity:	53.30	51.68	-3.04	± 5
		Conductivity:	1.52	1.51	0.66	± 5
2450 MHz	22.30	Permitivity:	52.7	51.2	-2.9	± 5
		Conductivity:	1.95	1.95	0.0	± 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
835 Head	100	0.937	9.37	9.56	-1.99	2015-02-09
835 Body	100	0.993	9.93	9.56	3.87	2015-02-09
1800 Head	100	4.004	39.54	38.4	2.97	2015-02-09
1800 Body	100	4.096	38.31	38.4	-0.23	2015-02-09
1900 Head	100	3.840	38.4	39.7	-3.27	2015-02-09
1900 Body	100	4.142	41.42	39.7	4.33	2015-02-09
2450 Head	100	5.382	53.82	52.4	2.71	2015-02-09
2450 Body	100	5.123	51.23	52.4	-2.23	2015-02-09

Note: The tolerance limit of System validation ±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 to16 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 Titan Max HD, support GSM mode and WCDMA 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	Left edge	Right edge	Top edge	Bottom edge
GSM850	＜5mm	＜5mm	＜5mm	24mm	132mm	＜5mm
	Yes	Yes	Yes	Yes	No	Yes
GSM1900	＜5mm	＜5mm	＜5mm	24mm	132mm	＜5mm
	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band2	＜5mm	＜5mm	＜5mm	24mm	132mm	＜5mm
	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band4	＜5mm	＜5mm	＜5mm	24mm	132mm	＜5mm
	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band5	＜5mm	＜5mm	＜5mm	24mm	132mm	＜5mm
	Yes	Yes	Yes	Yes	No	Yes
WLAN	＜5mm	＜5mm	＜5mm	36mm	＜5mm	120mm
	Yes	Yes	Yes	No	Yes	No
Bluetooth	＜5mm	＜5mm	＜5mm	36mm	＜5mm	120mm
	Yes	Yes	Yes	No	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)]*[√f(GHZ）)≤3.0 for 1-g SAR and≤7.5 for10-g extremity SAR
   f(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 (MHz)/150)]Mw, at 100 MHz to 1500 MHz

b) [threshold at 50mm in step1]+(test separation distance -50mm) *10]mW at＞1500MHz and≤6GHz

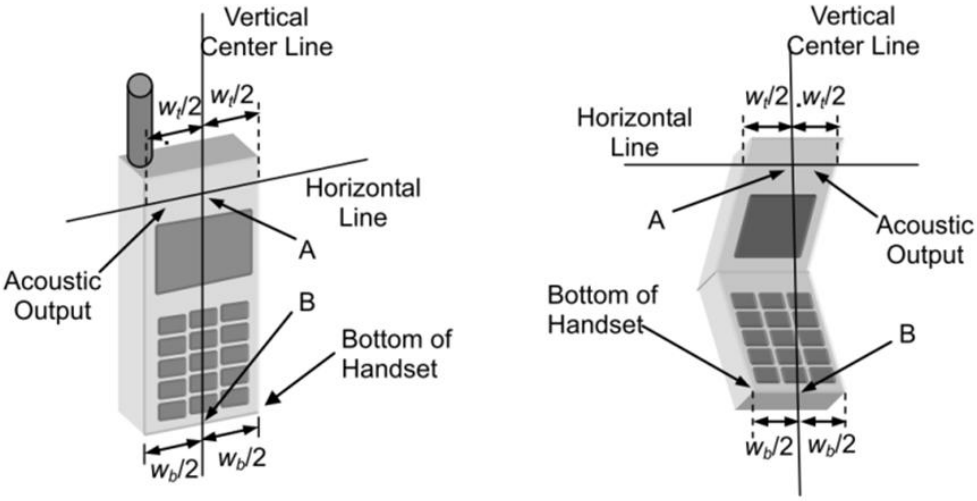
6. Per KDB 447498 D02v02r02,RMC 12.2kbps setting is used to evaluate SAR. If HSDPA/HSUPA/DC-HSDPA output power is<0.25db higher than RMC 12.2Kbps,or reported SAR with RMC 12.2kbps setting is ≤1.2W/Kg, HSDPA/HSUPA/DC-HSDPA SAR evaluation can be excluded.
7. Per KDB 248227 D01v01r02,choose the highest 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

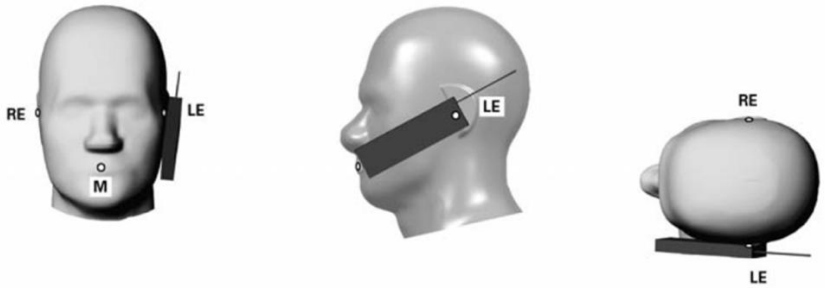
This EUT was tested in Right Cheek, Right Titled, Left Cheek, Left Titled, Front Face and Rear Face.

8.1 Define Two Imaginary Lines On The Handset

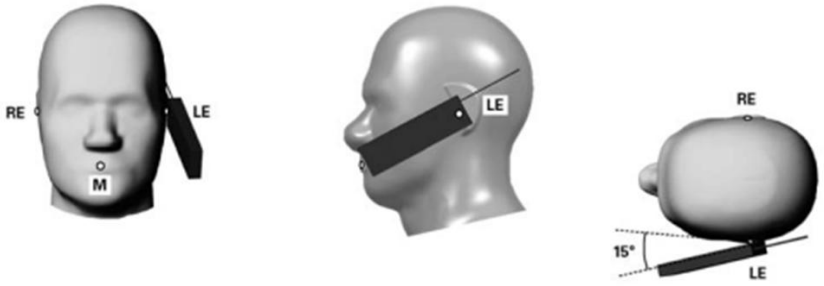
(1)The vertical centerline passes through two points on the front side of the handset the midpoint of the width wt of the handset at the level of the acoustic output, and the midpoint of the width wb of the handset.
(2)The horizontal line is perpendicular to the vertical centerline and passes through 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.



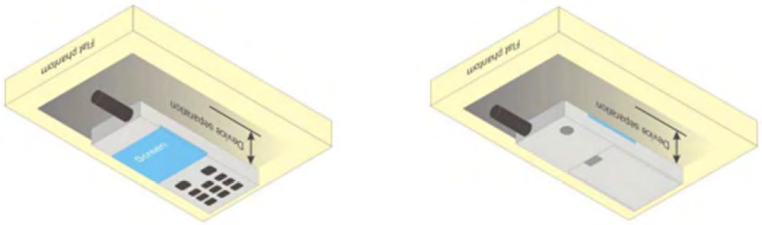
Cheek Position
1)To position the device with the vertical center line of the body of the device and the horizontal line crossing the center piece in a plane parallel to the sagittal plane of the phantom. While maintaining the device in this plane, align the vertical center line with the reference plane 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.

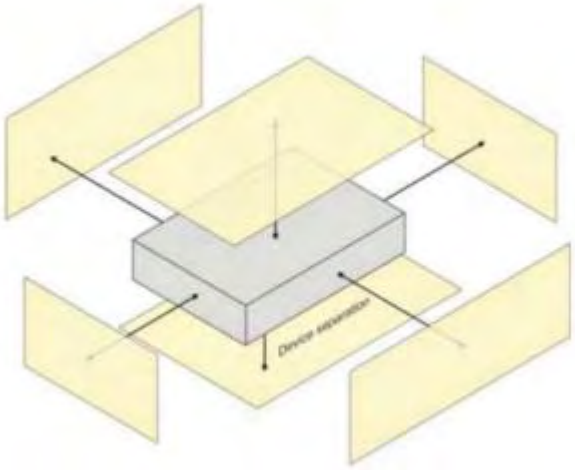


Body-worn Position Conditions
(1) To position the EUT parallel to the phantom surface.
(2) To adjust the EUT parallel to the flat phantom.
(3) To adjust the distance between the EUT surface and the flat phantom to 5mm.



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 form 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	√3	$(1\text{-cp})^{1/2}$	$(1\text{-cp})^{1/2}$	1.43	1.43	∞
3	Hemispherical isotropy	5.9	R	√3	$\sqrt{C_p}$	$\sqrt{C_p}$	2.41	2.41	∞
4	Boundary effect	1.0	R	√3	1	1	0.58	0.58	∞
5	Linearity	4.7	R	√3	1	1	2.71	2.71	∞
6	System Detection limits	1.0	R	√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	√3	1	1	0	0	∞
9	Integration time	1.4	R	√3	1	1	0.81	0.81	∞
10	Ambient noise	3.0	R	√3	1	1	1.73	1.73	∞
11	Ambient reflections	3.0	R	√3	1	1	1.73	1.73	∞
12	Probe positioner mech. restrictions	1.4	R	√3	1	1	0.81	0.81	∞
13	Probe positioning with respect to phantom shell	1.4	R	√3	1	1	0.81	0.81	∞
14	Max.SAR evaluation	1.0	R	√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	√3	$(1\text{-cp})^{1/2}$	$(1\text{-cp})^{1/2}$	1.43	1.43	∞
3	Hemispherical isotropy	5.9	R	√3	$\sqrt{C_p}$	$\sqrt{C_p}$	2.41	2.41	∞
4	Boundary effect	1.0	R	√3	1	1	0.58	0.58	∞
5	Linearity	4.7	R	√3	1	1	2.71	2.71	∞
6	System Detection limits	1.0	R	√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	√3	1	1	0	0	∞
10	Integration time	1.4	R	√3	1	1	0.81	0.81	∞
11	Ambient noise	3.0	R	√3	1	1	1.73	1.73	∞
12	Ambient reflections	3.0	R	√3	1	1	1.73	1.73	∞
13	Probe positioner mech. restrictions	1.4	R	√3	1	1	0.81	0.81	∞
14	Probe positioning with respect to phantom shell	1.4	R	√3	1	1	0.81	0.81	∞
15	Max.SAR evaluation	1.0	R	√3	1	1	0.6	0.6	∞
Dipole									
16	Deviation of experimental source from numerical source	4	N	1	1	1	4.00	4.00	∞

17	Input power and SAR drit 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 permittivity and conductivity)	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)	31.12	31.23	31.06	30.06	30.08	29.97
GPRS (GMSK, 1-Slot)	31.09	31.21	31.04	30.03	30.04	29.94
GPRS (GMSK, 2-Slot)	30.11	30.21	30.05	29.01	28.93	28.84
GPRS (GMSK, 3-Slot)	27.99	28.19	28.00	26.93	26.93	26.75
GPRS (GMSK, 4-Slot)	26.84	27.15	26.94	25.89	25.78	25.73
EGPRS(8PSK, 1-Slot)	31.05	31.17	31.01	30.01	30.01	29.93
EGPRS(8PSK, 2-Slot)	29.96	30.02	29.96	28.86	28.92	28.90
EGPRS(8PSK, 3-Slot)	27.79	27.94	27.86	26.75	26.75	26.74
EGPRS(8PSK, 4-Slot)	26.69	26.82	26.7	25.72	25.57	25.63
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)	22.12	22.23	22.06	21.06	21.08	20.97
GPRS (GMSK, 1-Slot)	22.09	22.21	22.04	21.03	21.04	20.94
GPRS (GMSK, 2-Slot)	24.11	24.21	24.05	23.01	22.93	22.84
GPRS (GMSK, 3-Slot)	23.73	23.93	23.74	22.67	22.67	22.49
GPRS (GMSK, 4-Slot)	23.84	24.15	23.94	22.89	22.78	22.73
EGPRS(8PSK, 1-Slot)	22.05	22.17	22.01	21.01	21.01	20.93
EGPRS(8PSK, 2-Slot)	23.96	24.02	23.96	22.86	22.92	22.9
EGPRS(8PSK, 3-Slot)	23.53	23.68	23.6	22.49	22.49	22.48
EGPRS(8PSK, 4-Slot)	23.69	23.82	23.7	22.72	22.57	22.63
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						

Band	WCDMA Band V			WCDMA Band II		
Channel	4132	4182	4233	9263	9400	9537
Frequency (MHz)	826.4	836.6	846.6	1852.4	1880.0	1907.6
RMC 12.2Kbps	22.47	22.59	22.41	21.99	22.07	21.94
HSDPA Subtest-1	22.44	22.56	22.39	21.97	22.04	21.91
HSDPA Subtest-2	21.46	21.52	21.25	20.94	20.89	20.84
HSDPA Subtest-3	20.88	20.94	20.56	20.40	20.36	20.16
HSDPA Subtest-4	20.21	20.30	18.89	19.90	19.69	19.65
HSUPA Subtest-1	22.41	22.53	22.37	21.92	22.01	21.89
HSUPA Subtest-2	21.25	21.43	21.23	20.89	20.95	20.78
HSUPA Subtest-3	20.55	20.89	20.69	20.31	20.30	20.16
HSUPA Subtest-4	19.97	20.30	20.08	19.80	19.74	19.61
HSUPA Subtest-5	19.39	19.73	19.48	19.17	19.21	18.97

Band	WCDMA Band IV		
Channel	1312	1413	1513
Frequency (MHz)	1712.4	1732.6	1752.6
RMC 12.2Kbps	21.36	21.76	21.25
HSDPA Subtest-1	21.73	21.33	21.23
HSDPA Subtest-2	20.69	20.36	20.10
HSDPA Subtest-3	20.06	19.67	19.59
HSDPA Subtest-4	19.48	19.15	19.08
HSUPA Subtest-1	21.69	21.30	21.21
HSUPA Subtest-2	20.54	20.13	20.08
HSUPA Subtest-3	19.96	19.50	19.48
HSUPA Subtest-4	19.36	18.92	18.96
HSUPA Subtest-5	18.72	18.25	18.44

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≤ CM≤3.5	MAX(CM-1,0)
Note: CM=1 for βc/βd=12/15, βhs/ βc=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	15.23
	6	2437	15.66
	11	2462	16.18
802.11g	1	2412	11.11
	6	2437	12.77
	11	2462	12.22
802.11n(HT-20)	1	2412	10.48
	6	2437	11.66
	11	2462	11.88
802.11n(HT-40)	3	2422	8.61
	6	2437	9.79
	9	2452	9.21

BT 3.0

Mode	Channel Number	Frequency (MHz)	PEAK Power (dBm)
GFSK(1M)	0	2402	5.209
	39	2441	5.946
	78	2480	6.272
π/4-DQPSK(2Mbps)	0	2402	4.652
	39	2441	5.343
	78	2480	5.714
8-DPSK(3Mbps)	0	2402	4.988
	39	2441	5.750
	78	2480	6.040

BT 4.0

Mode	Channel Number	Frequency (MHz)	PEAK Power (dBm)
GFSK	0	2402	-2.527
	20	2422	-2.153
	39	2442	-1.737

Mode	GSM850	GSM1900
GSM/PCS	31±1dBm	30±1dBm
GPRS (1 Slot)	31±1dBm	30±1dBm
GPRS (2 Slot)	30±1dBm	29±1dBm
GPRS (3 Slot)	28±1dBm	26±1dBm
GPRS (4 Slot)	27±1dBm	25±1dBm
EDGE (1 Slot)	31±1dBm	30±1dBm
EDGE (2 Slot)	30±1dBm	28±1dBm
EDGE (3 Slot)	27±1dBm	26±1dBm
EDGE (4 Slot)	26±1dBm	25±1dBm

Mode	WCDMA Band V	WCDMA Band IV	WCDMA Band II
AMR	22±1dBm	22±1dBm	21±1dBm
HSDPA Subtest-1	22±1dBm	22±1dBm	21±1dBm
HSDPA Subtest-2	21±1dBm	20±1dBm	20±1dBm
HSDPA Subtest-3	20±1dBm	20±1dBm	20±1dBm
HSDPA Subtest-4	20±1dBm	19±1dBm	19±1dBm
HSUPA Subtest-1	22±1dBm	22±1dBm	21±1dBm
HSUPA Subtest-2	21±1dBm	20±1dBm	20±1dBm
HSUPA Subtest-3	20±1dBm	20±1dBm	19±1dBm
HSUPA Subtest-4	20±1dBm	19±1dBm	19±1dBm
HSUPA Subtest-5	19±1dBm	19±1dBm	18±1dBm

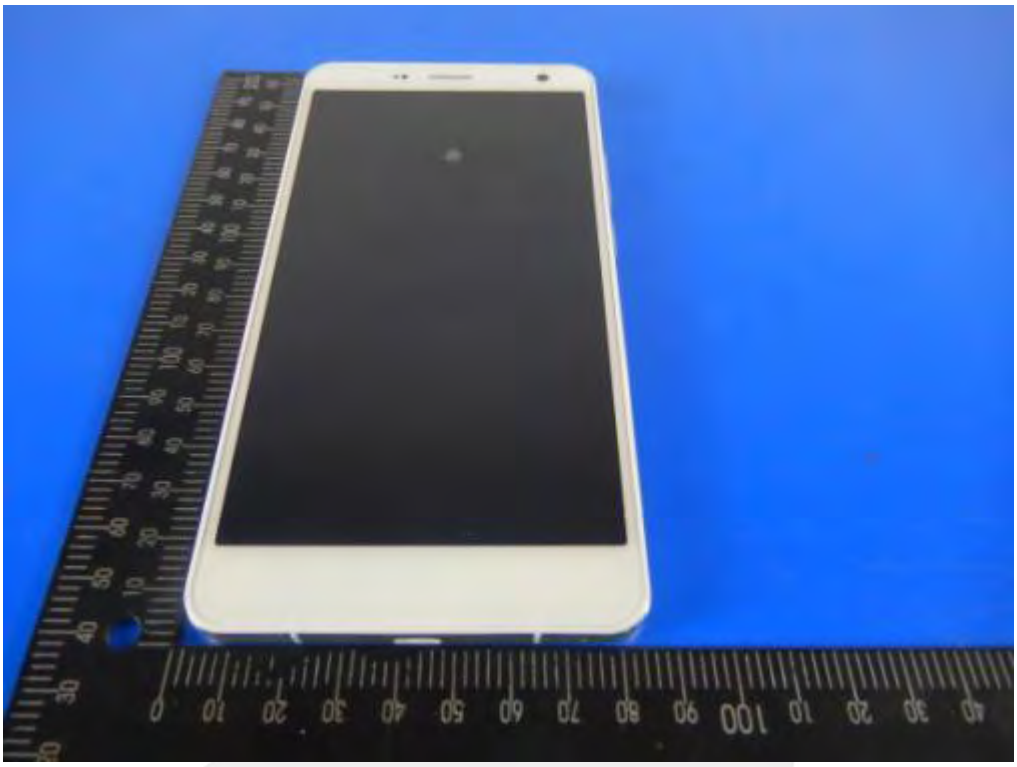
Mode	WIFI
IEEE 802.11b	16±1dBm
IEEE 802.11g	12±1dBm
IEEE 802.11n HT20	11±1dBm
IEEE 802.11n HT40	9±1dBm

Mode	BT 3.0
GFSK	6±1dBm
π/4-DQPSK	5±1dBm
8DPSK	5±1dBm

Mode	BT 4.0
GFSK	-2±1dBm

11. EUT And Test Setup Photo

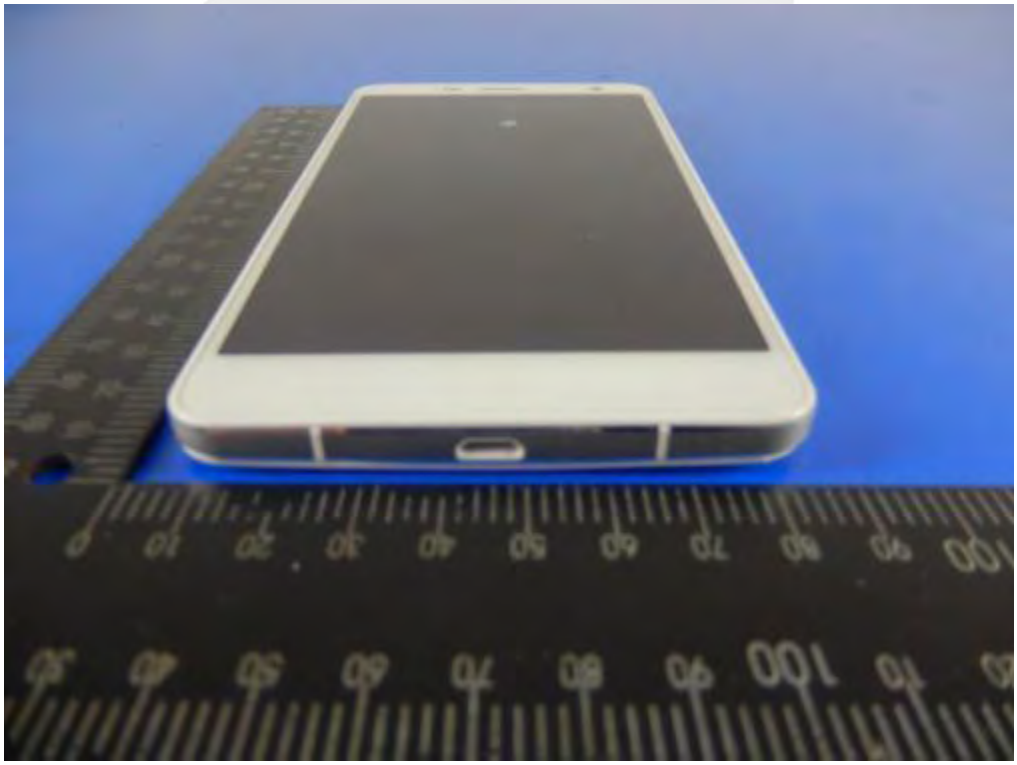
11.1 EUT Photo



Front side

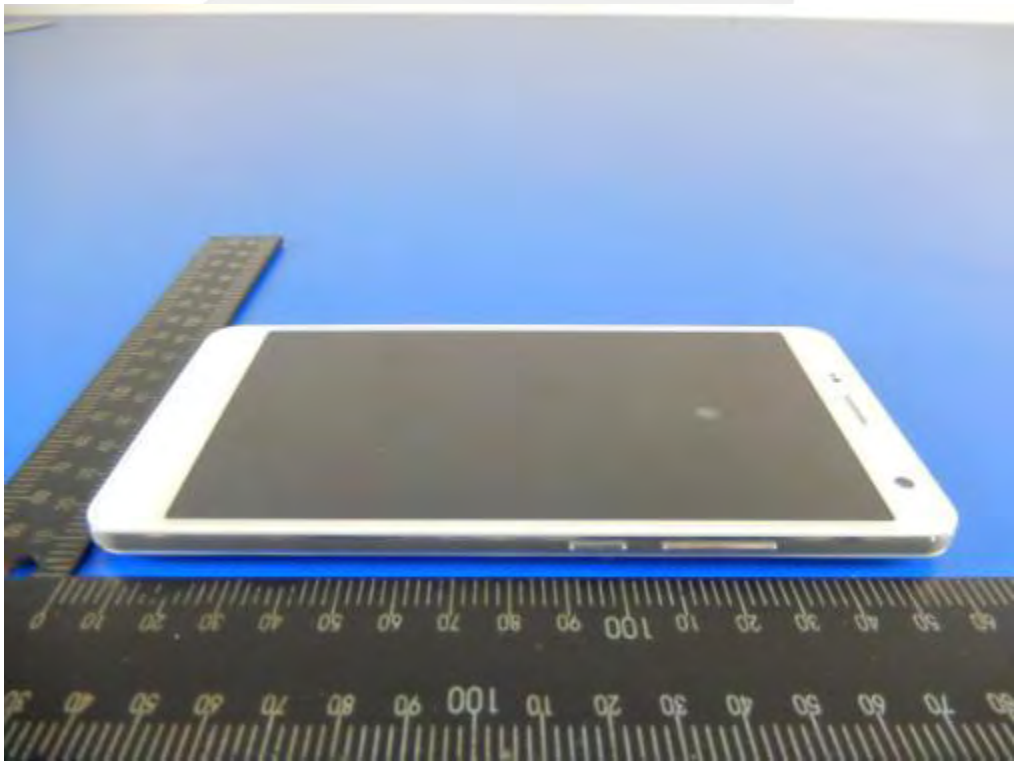
Back side

Top side



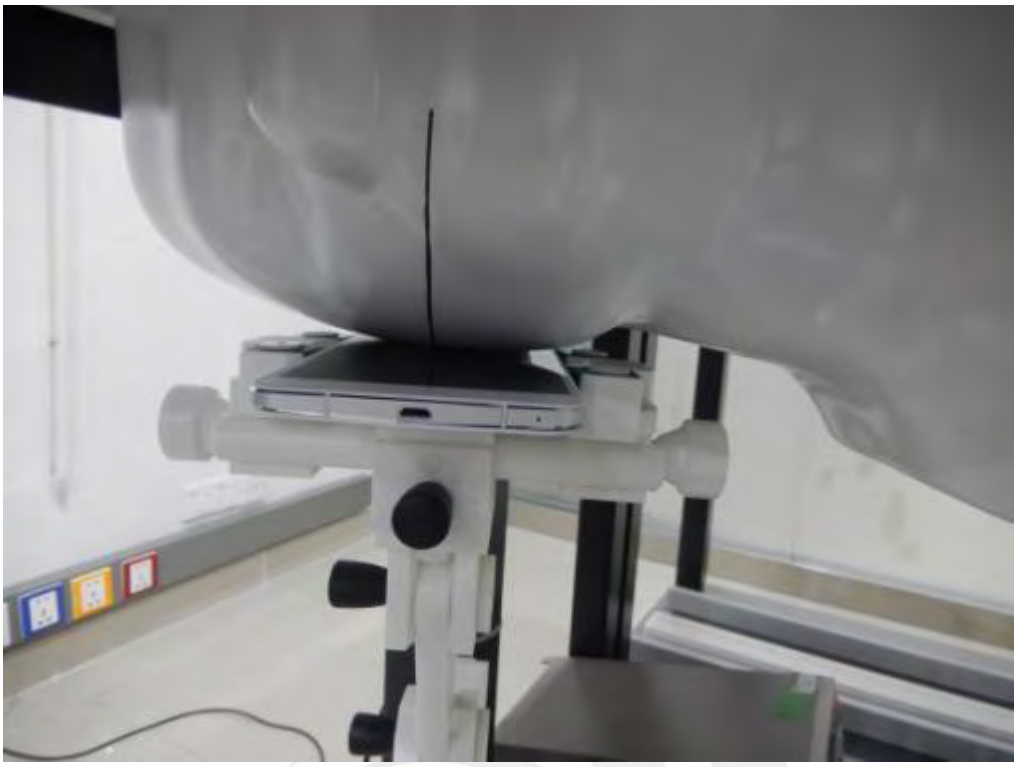
Bottom side

Left side

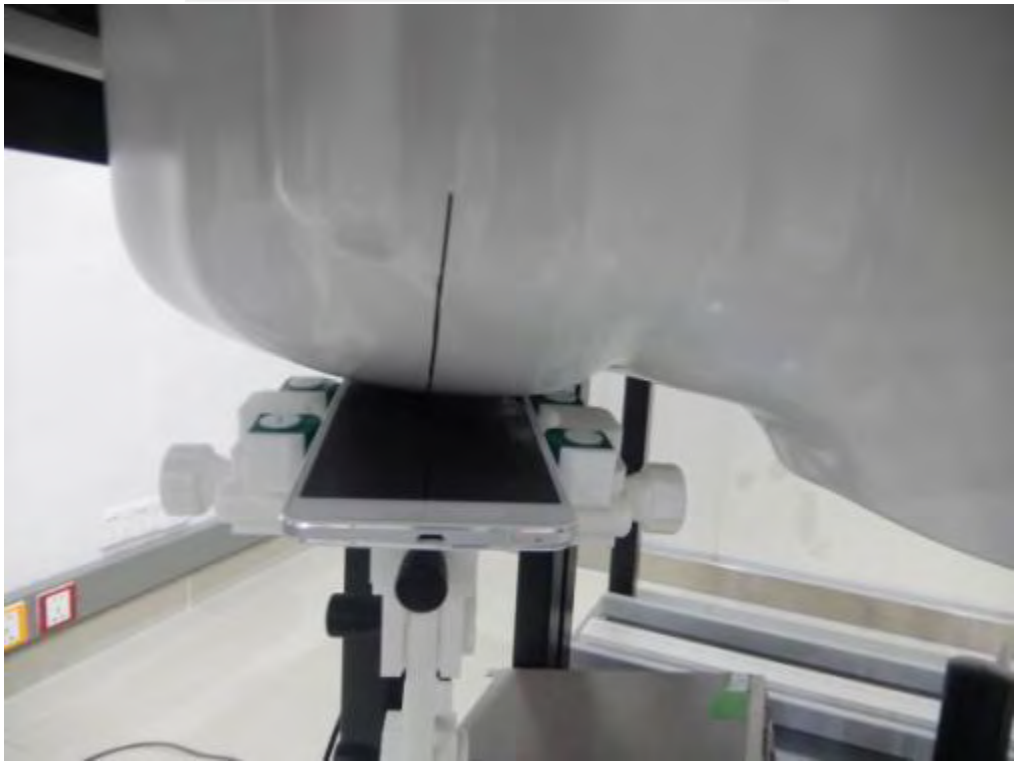


Right side

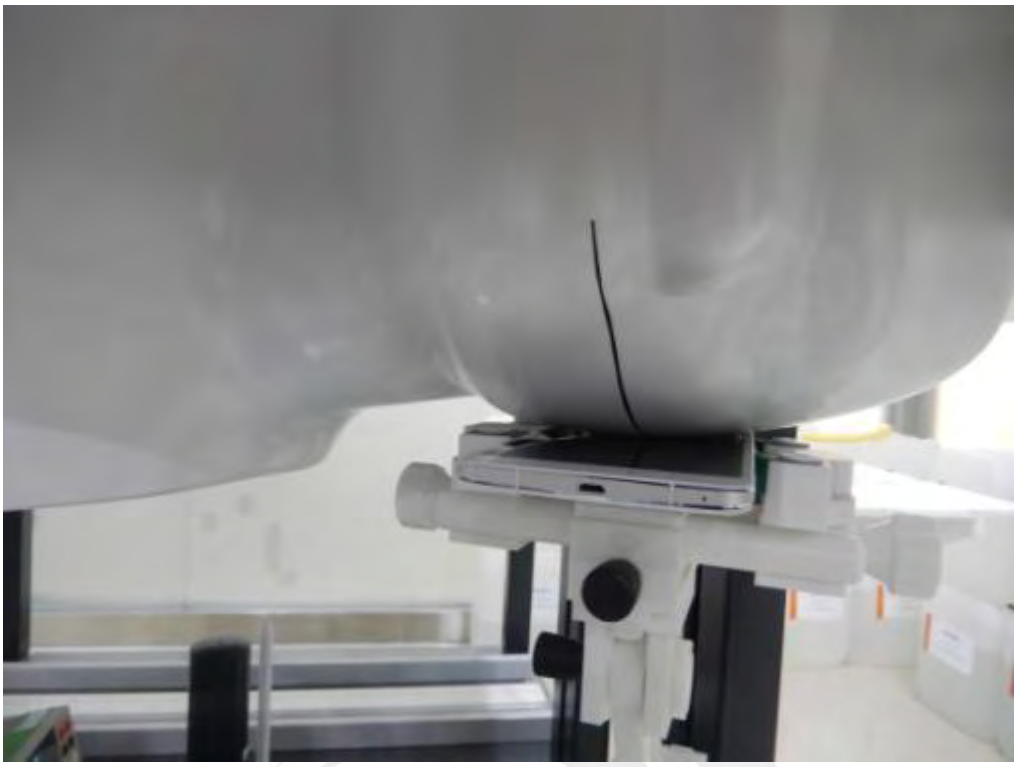
11.2 Setup Photo



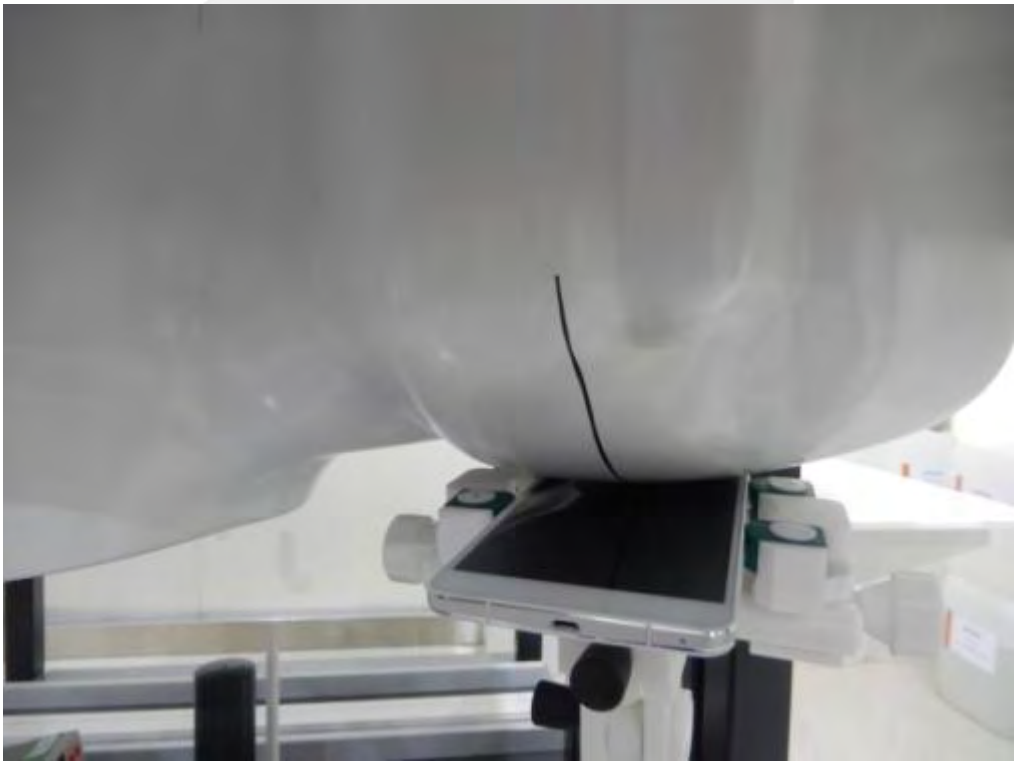
Right Touch



Right Tilt

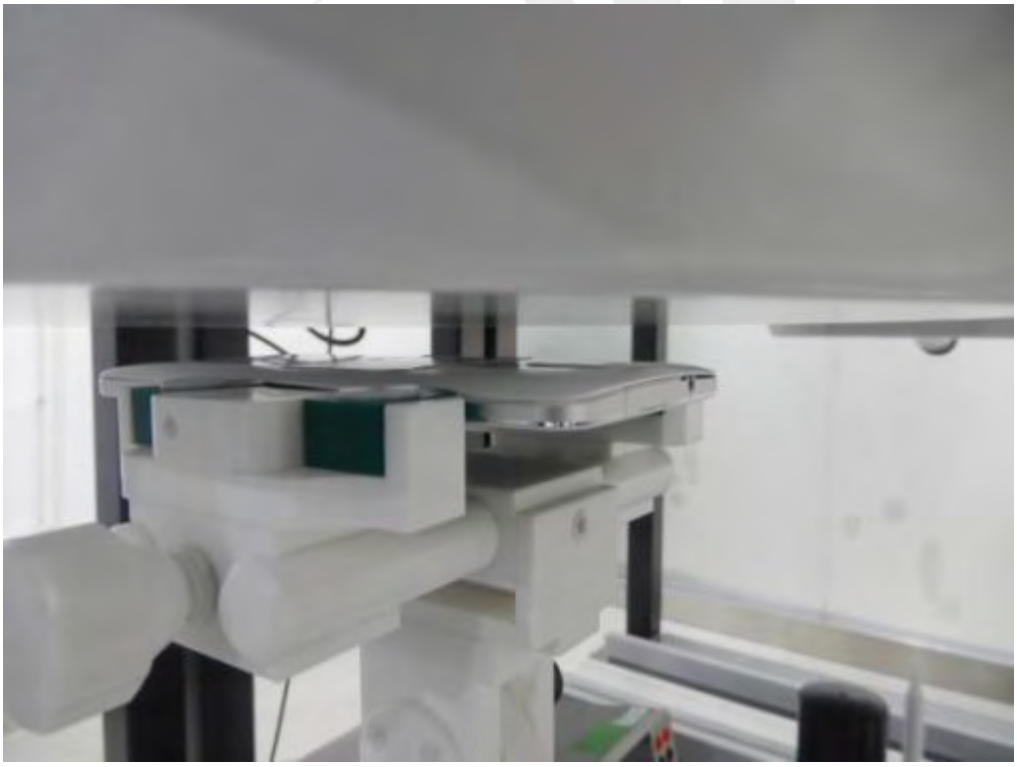


Left Touch

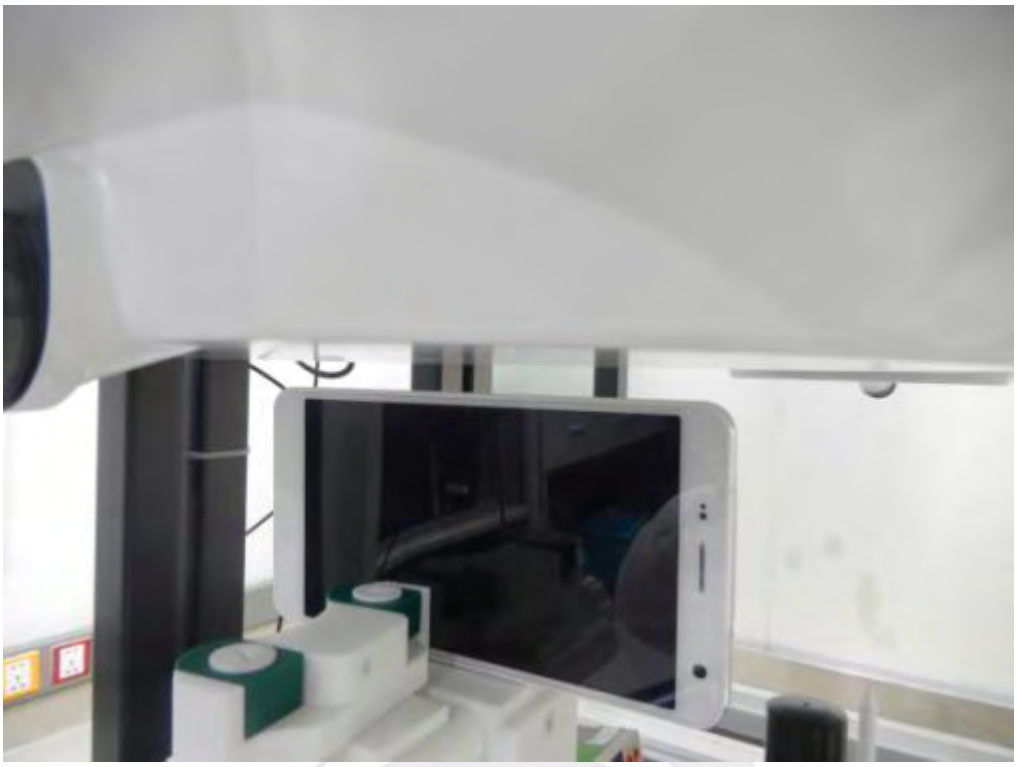


Left Tilt

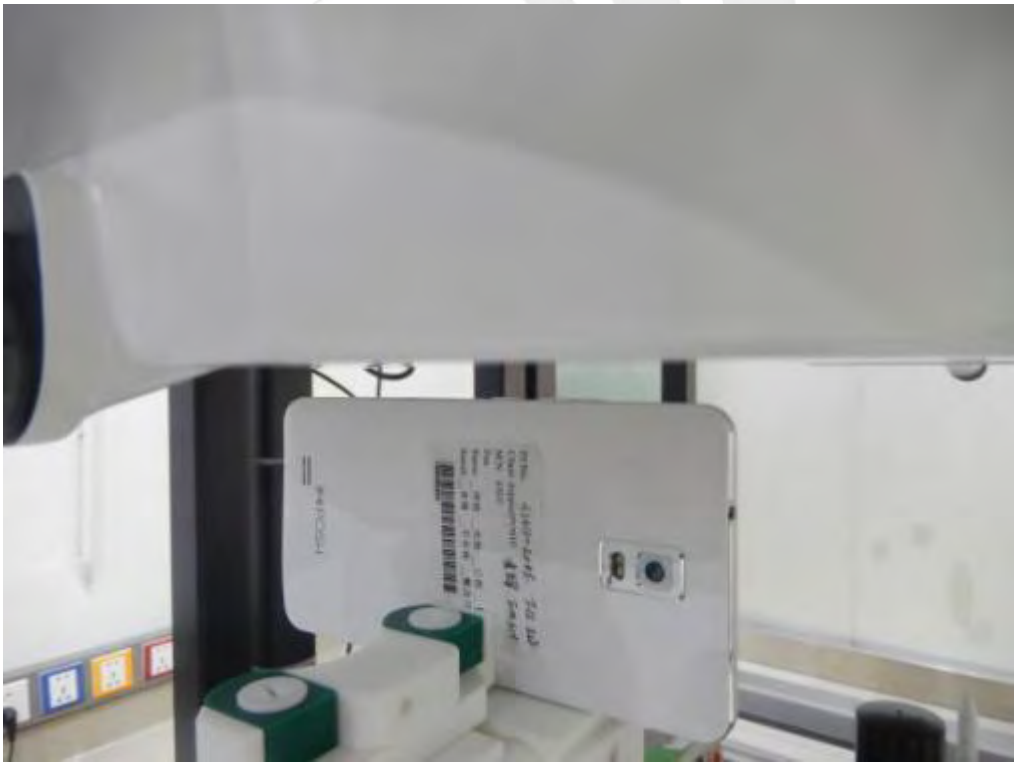
Body Front side



Body Back side



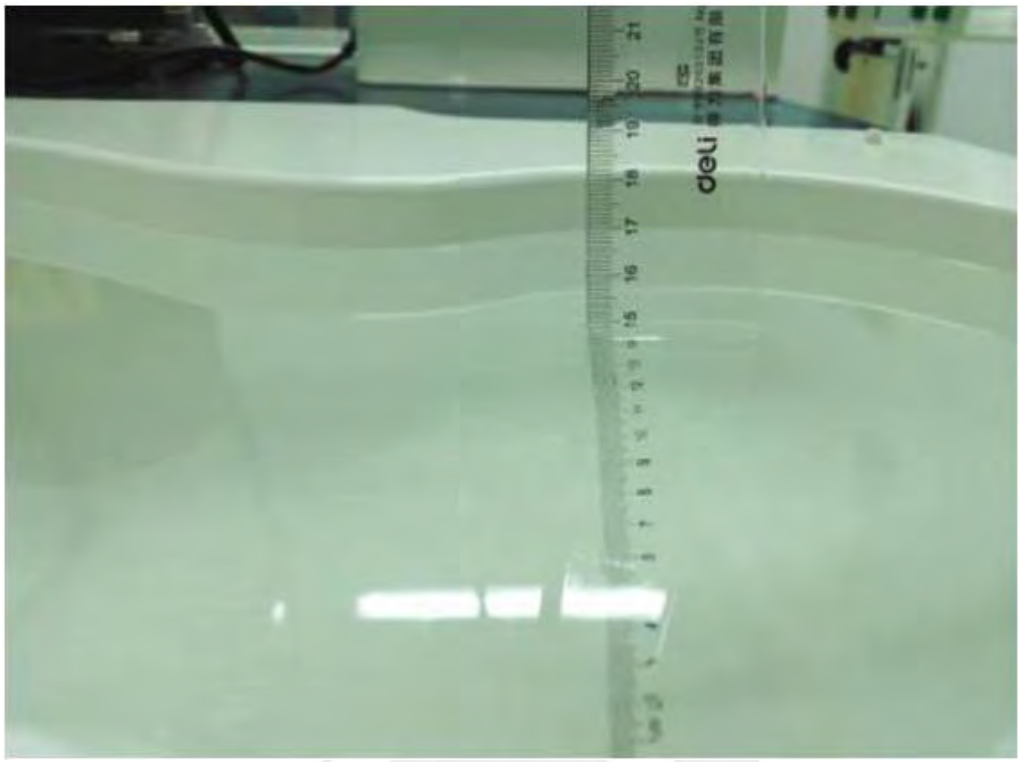
Body left side



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 190	0.139	-2.13	32	31.23	0.166	1
		Right Tilt	CH 190	0.113	-0.16	32	31.23	0.135	2
		Left Cheek	CH 190	0.185	0.34	32	31.23	0.221	3
		Left Tilt	CH 190	0.161	2.10	32	31.23	0.192	4
GSM1900	Voice	Right Cheek	CH 661	0.316	3.52	31	30.68	0.340	15
		Right Tilt	CH 661	0.145	-3.38	31	30.68	0.156	16
		Left Cheek	CH 661	0.166	0.66	31	30.68	0.179	17
		Left Tilt	CH 661	0.141	-1.50	31	30.68	0.152	18
WCDMA II	RMC	Right Cheek	CH9400	0.245	0.64	23	22.07	0.304	29
		Right Tilt	CH9400	0.121	-0.40	23	22.07	0.150	30
		Left Cheek	CH9400	0.184	-0.12	23	22.07	0.228	31
		Left Tilt	CH9400	0.152	-2.01	23	22.07	0.188	32
WCDMA IV	RMC	Right Cheek	CH 1413	0.188	2.38	22	21.76	0.199	38
		Right Tilt	CH 1413	0.172	-0.12	22	21.76	0.182	39
		Left Cheek	CH 1413	0.189	0.63	22	21.76	0.200	40
		Left Tilt	CH 1413	0.164	-0.04	22	21.76	0.173	41
WCDMA V	RMC	Right Cheek	CH4182	0.438	0.15	23	22.59	0.481	47
		Right Tilt	CH4182	0.587	-1.02	23	22.59	0.645	48
		Left Cheek	CH4182	0.499	0.60	23	22.59	0.548	49
		Left Tilt	CH4182	0.416	0.25	23	22.59	0.457	50
WIFI	DATA	Right Cheek	CH11	0.051	0.66	17	16.16	0.062	56
		Right Tilt	CH11	0.040	1.00	17	16.16	0.049	57
		Left Cheek	CH11	0.076	0.51	17	16.16	0.092	58
		Left Tilt	CH11	0.056	0.18	17	16.16	0.068	59

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	Voice（body-worn）	Front side	CH 190	0.193	-1.92	32	31.23	0.230	5
		Back side	CH 190	0.251	-3.06	32	31.23	0.300	6
		Left side	CH 190	0.126	2.14	32	31.23	0.150	7
		Right side	CH 190	0.102	1.04	32	31.23	0.122	8
		Bottom side	CH 190	0.049	0.33	32	31.23	0.059	9
	GPRS Data-2 Slot（hotspot）	Front side	CH 190	0.302	1.94	31	30.21	0.362	10
		Back side	CH 190	0.516	-1.57	31	30.21	0.619	11
		Left side	CH 190	0.292	2.37	31	30.21	0.350	12
		Right side	CH 190	0.213	2.15	31	30.21	0.255	13
		Bottom side	CH 190	0.095	-1.30	31	30.21	0.114	14
GSM1900	Voice	Front side	CH 512	0.176	-3.47	31	30.68	0.189	19
		Back side	CH 512	0.239	-4.62	31	30.68	0.257	20
		Left side	CH 512	0.056	0.30	31	30.68	0.060	21
		Right side	CH 512	0.052	1.53	31	30.68	0.056	22
		Bottom side	CH 512	0.076	-1.67	31	30.68	0.082	23
	GPRS Data-2 Slot（hotspot）	Front side	CH 512	0.414	-3.22	30	29.01	0.520	24
		Back side	CH 512	0.467	1.17	30	29.01	0.587	25
		Left side	CH 512	0.091	2.03	30	29.01	0.114	26
		Right side	CH 512	0.103	1.67	30	29.01	0.129	27
		Bottom side	CH 512	0.347	-0.46	30	29.01	0.436	28
WCDMA II	RMC（body-worn and hotspot）	Front side	CH9400	0.393	-1.18	23	22.07	0.487	33
		Back side	CH9400	0.426	-0.04	23	22.07	0.528	34
		Left side	CH9400	0.163	0.85	23	22.07	0.202	35
		Right side	CH9400	0.183	-2.47	23	22.07	0.227	36
		Bottom side	CH9400	0.564	-2.31	23	22.07	0.699	37
WCDMA IV	RMC（body-worn and hotspot）	Front side	CH 1413	0.201	0.17	22	21.76	0.212	42
		Back side	CH 1413	0.288	-0.10	22	21.76	0.304	43
		Left side	CH 1413	0.145	-0.82	22	21.76	0.153	44
		Right side	CH 1413	0.108	-0.06	22	21.76	0.114	45
		Bottom side	CH 1413	0.068	-0.11	22	21.76	0.072	46

WCDMA V	RMC（body-worn and hotspot）	Front side	CH4182	0.201	-1.27	23	22.59	0.221	51
		Back side	CH4182	0.288	-1.40	23	22.59	0.317	52
		Left side	CH4182	0.135	-0.28	23	22.59	0.148	53
		Right side	CH4182	0.107	-0.16	23	22.59	0.118	54
		Bottom side	CH4182	0.068	-0.11	23	22.59	0.075	55
WIFI	DATA（body-worn and hotspot）	Front side	CH11	0.054	0.31	17	16.16	0.066	60
		Back side	CH11	0.057	0.06	17	16.16	0.069	61
		Lift side	CH11	0.052	0.27	17	16.16	0.063	62
		Top side	CH11	0.054	0.14	17	16.16	0.066	63

Note:
Two card slot can’t work at the same time.
The test separation of all above table is 10mm.

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
Body	1. GSM + WIFI
	2. GSM + Bluetooth
	3. WCDMA + WIFI
	4. WCDMA + 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≦50mm,Bluetooth standalone SAR is excluded according to [(max. power of channel, including tune-up tolerance, mW)/ (min. test separation distance, mm) ·[√f (GHz) /x] ≦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) (max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]·[√f (GHz) /x] W/kg for test separation distances≤50 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 >50mm.

Estimated SAR		Maximum Average Power		Antenna to user(mm)	Frequency(GHz)	Stand alone SAR(1g) [W/kg]
		dBm	mW			
BT	Head	7	5.012	5	2.480	0.210
	Body			10	2.480	0.105

Simultaneous Mode	Position	Mode	Max. 1-g SAR (W/kg)	1-g Sum SAR (W/kg)
GSM + WIFI	Head	GSM Voice	0.307	0.383
		WIFI	0.076	
	Body-worn	GSM Voice	0.384	0.442
		WIFI	0.058	
	Hotspot	GSM DATA	0.567	0.625
		WIFI	0.058	
GSM + Bluetooth	Head	GSM Voice	0.307	0.517
		Bluetooth	0.210	
	Body-worn	GSM Voice	0.384	0.489
		Bluetooth	0.105	
	Hotspot	GSM DATA	0.567	0.672
		Bluetooth	0.105	
WCDMA RMC+ WIFI	Head	WCDMA RMC	0.691	0.767
		WIFI	0.076	
	Body-worn Hotspot	WCDMA RMC	1.088	1.146
		WIFI	0.058	
WCDMA RMC+ Bluetooth	Head	WCDMA RMC	0.691	0.901
		Bluetooth	0.210	
	Body-worn Hotspot	WCDMA RMC	1.088	1.193
		Bluetooth	0.105	

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

NO.	Instrument	Manufacturer	Model	S/N	Cal. Date	Cal. Due Date
1	835MHz Dipole	SATIMO	SID835	SN 30/14 DIP0G835-332	2014.09.01	2015.08.31
2	1800MHz Dipole	SATIMO	SID1800	SN 30/14 DIP1G800-329	2014.09.01	2015.08.31
3	1900MHz Dipole	SATIMO	SID1900	SN 30/14 DIP1G900-333	2014.09.01	2015.08.31
4	2450MHzDipole	SATIMO	SID2450	SN 30/14 DIP2G450-335	2014.09.01	2015.08.31
5	E-Field Probe	SATIMO	SSE5	SN 17/14 EP221	2014.09.01	2015.08.31
6	Antenna	SATIMO	ANTA3	SN 07/13 ZNTA52	2014.09.01	2015.08.31
7	Waveguide	SATIMO	SWG5500	SN 13/14 WGA32	2014.09.01	2015.08.31
8	Phantom1	SATIMO	SAM	SN 32/14 SAM115	2014.09.01	2015.08.31
9	Phantom2	SATIMO	SAM	SN 32/14 SAM116	2014.09.01	2015.08.31
10	SAR TEST BENCH	SATIMO	Titan Max HD POSITIONNING SYSTEM	SN 32/14 MSH97	2014.09.01	2015.08.31
11	SAR TEST BENCH	SATIMO	LAPTOP POSITIONNING SYSTEM	SN 32/14 LSH29	2014.09.01	2015.08.31
12	Dielectric Probe Kit	SATIMO	SCLMP	SN 32/14 OCPG52	2014.09.01	2015.08.31
13	Multi Meter	Keithley	Multi Meter 2000	4050073	2014.11.20	2015.11.19
14	Signal Generator	R&S	SMF100A	104260	2014.10.27	2015.10.26
15	Power Meter	R&S	NRP	100510	2014.10.25	2015.10.24
16	Power Sensor	R&S	NRP-Z11	101919	2014.10.25	2015.10.24
17	Network Analyzer	R&S	5071C	EMY46103472	2014.12.12	2015.12.11

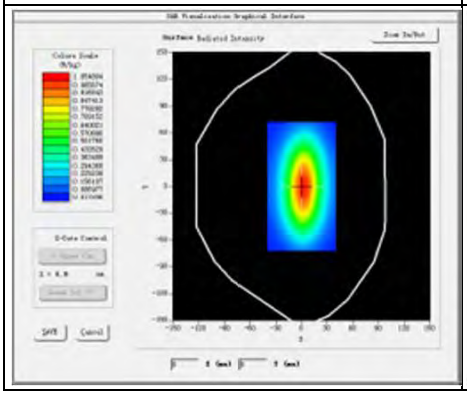
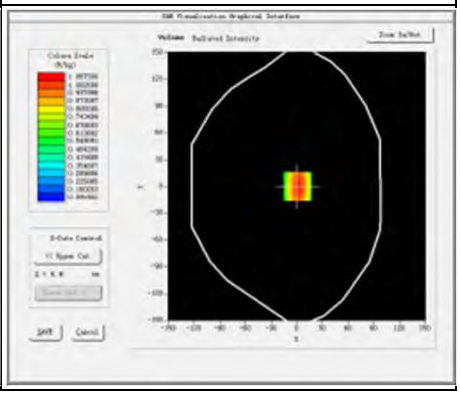
Appendix A. System Validation Plots

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: 2015.02.09
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)	41.27
Relative permittivity	18.72
Conductivity (S/m)	0.91
Power drift (%)	0.45
Ambient Temperature:	22.7°C
Liquid Temperature:	22.3°C
ConvF:	4.83
Crest factor:	1:1

SURFACE SAR	VOLUME SAR
	

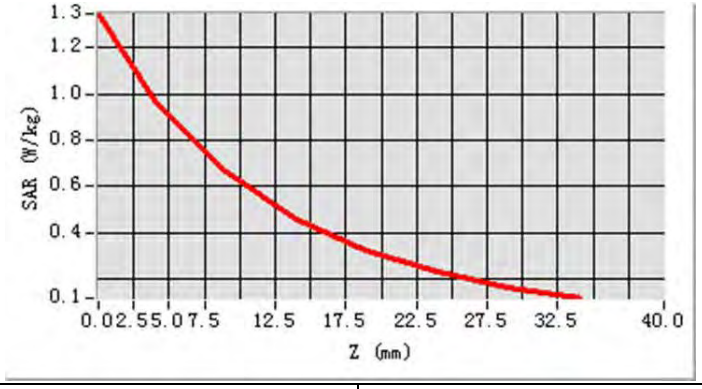
Maximum location: X=1.00, Y=0.00

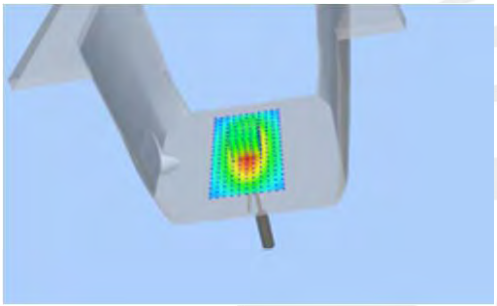
SAR Peak: 1.46 W/kg

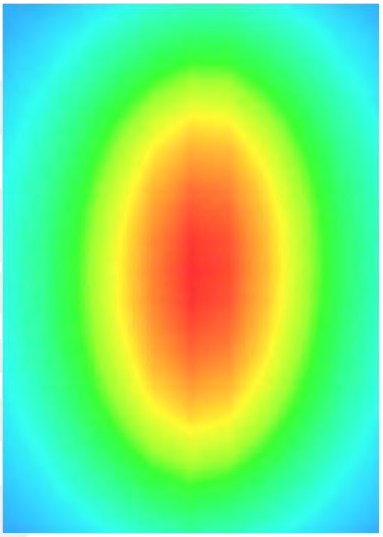
SAR 10g (W/Kg)	0.608155
SAR 1g (W/Kg)	0.93716

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





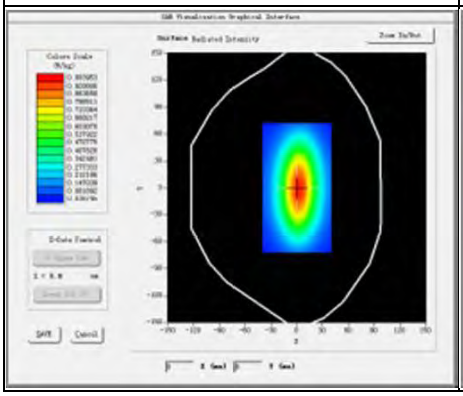
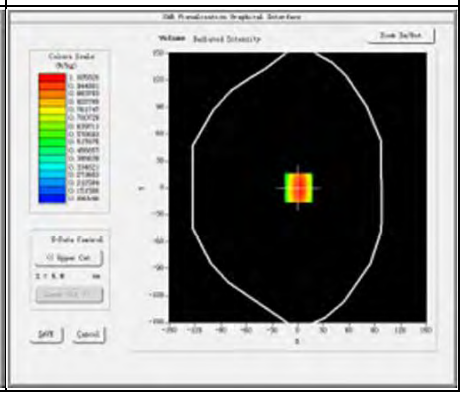


System Performance Check Data (835MHz Body)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2015.02.09
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)	55.50
Relative permittivity	21.408187
Conductivity (S/m)	0.96
Power drift (%)	0.090000
Ambient Temperature:	22.7°C
Liquid Temperature:	22.3°C
ConvF:	5.02
Crest factor:	1:1

SURFACE SAR	VOLUME SAR
	

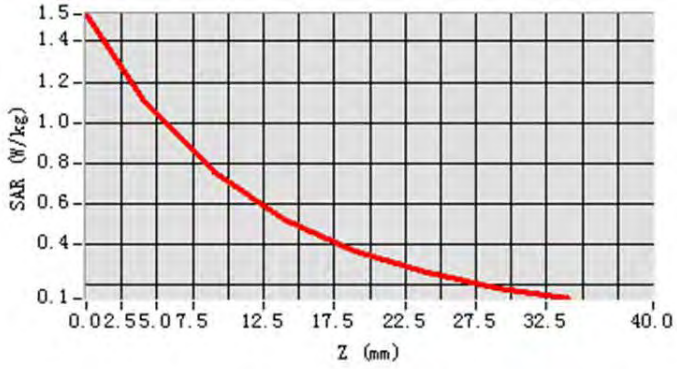
Maximum location: X=1.00, Y=0.00

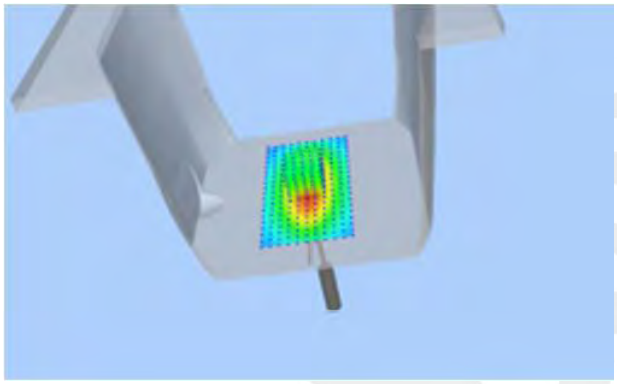
SAR Peak: 1.48 W/kg

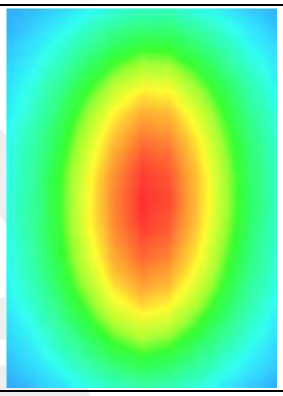
SAR 10g (W/Kg)	0.693221
SAR 1g (W/Kg)	0.992536

Z Axis Scan

Z (mm)	0	4	9	14	19	24	29
SAR(W/Kg)	1.3725	1.0058	0.6838	0.4755	0.3314	0.2365	0.1688







System Performance Check Data(1800MHz Head)

Type: Phone measurement (Complete)

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

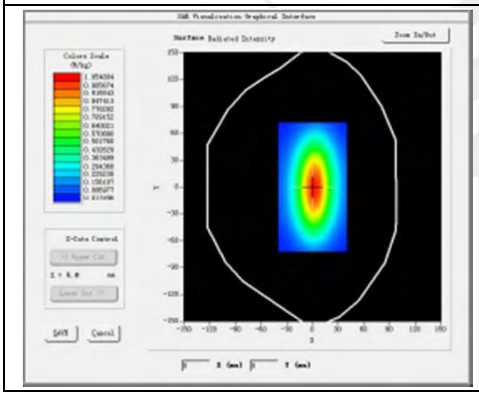
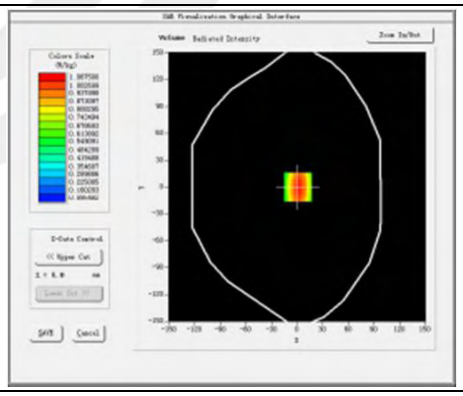
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2015.02.09

Measurement duration: 14 minutes 10 seconds

Experimental conditions.

Phantom	Validation plane
Device Position	-
Band	1800MHz
Channels	-
Signal	CW
Frequency (MHz)	1800MHz
Relative permittivity (real part)	40.102364
Relative permittivity	14.096855
Conductivity (S/m)	1.368491
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

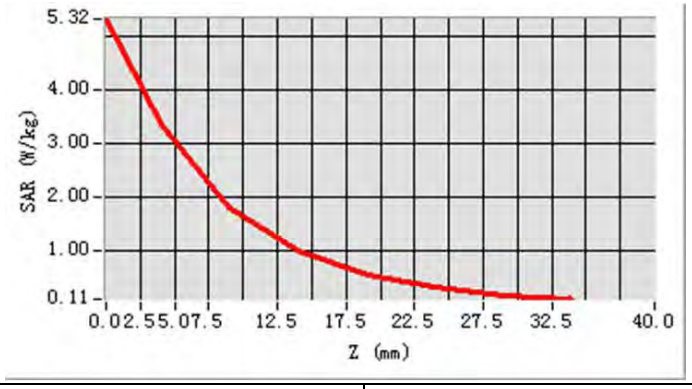
SURFACE SAR	VOLUME SAR
	

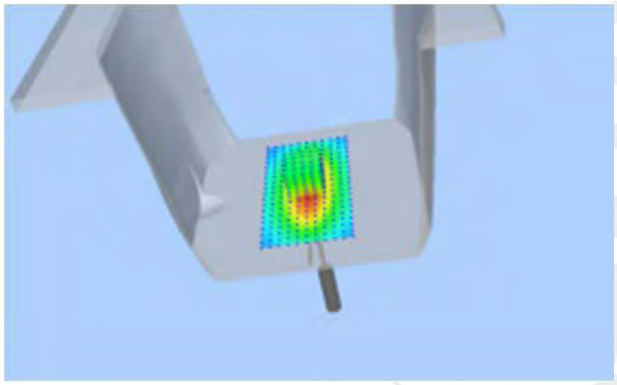
Maximum location: X=7.00, Y=-1.00

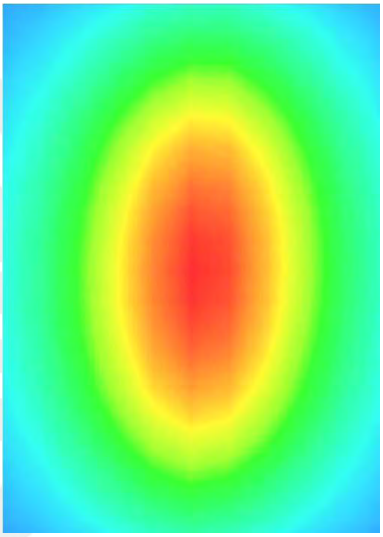
SAR 10g (W/Kg)	2.562143
SAR 1g (W/Kg)	4.004326

Z Axis Scan

Z (mm)	0	4	9	14	19	24	29
SAR(W/Kg)	6.5296	4.1946	2.3311	1.3187	0.5733	0.3288	0.1617







System Performance Check Data(1800MHz Body)

Type: Phone measurement (Complete)

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

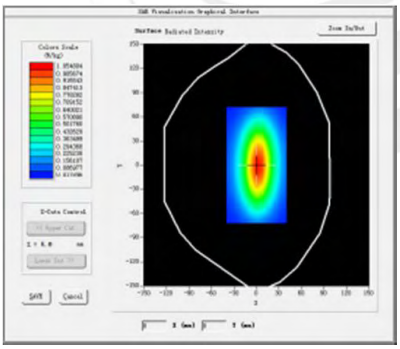
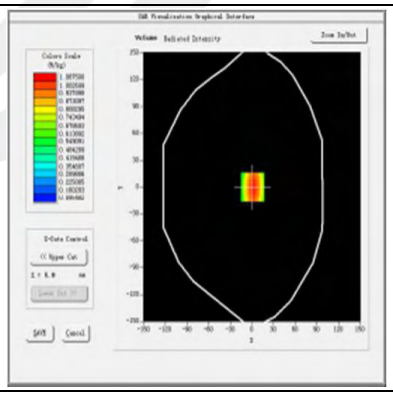
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2015.02.09

Measurement duration: 14 minutes 11 seconds

Experimental conditions.

Phantom	Validation plane
Device Position	-
Band	1800MHz
Channels	-
Signal	CW
Frequency (MHz)	1800MHz
Relative permittivity (real part)	50.102364
Relative permittivity	14.096855
Conductivity (S/m)	1.438491
Power drift (%)	-1.390000
Ambient Temperature	22.7°C
Liquid Temperature	22.3°C
Probe	SN 17/14 EP221
ConvF	4.34
Crest factor:	1:1

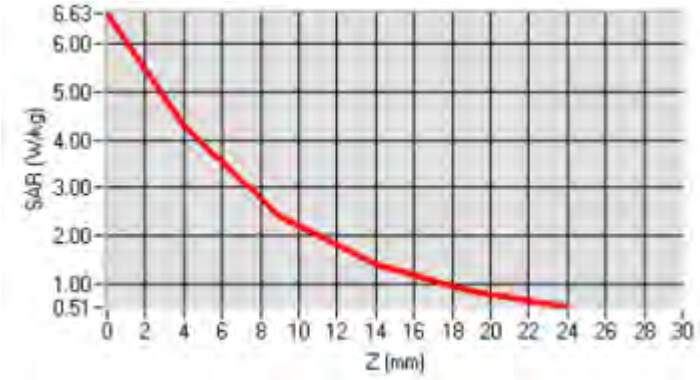
SURFACE SAR	VOLUME SAR
	

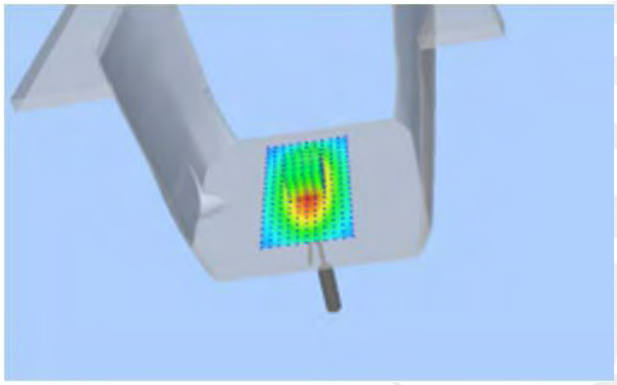
Maximum location: X=3.00, Y=0.00

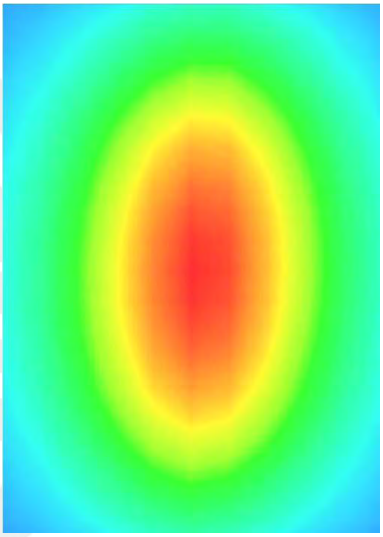
SAR 10g (W/Kg)	1.956348
SAR 1g (W/Kg)	4.095632

Z Axis Scan

Z (mm)	0	4	9	14	19	24	29
SAR(W/Kg)	6.5296	4.1946	2.3311	1.3187	0.5733	0.3288	0.1617





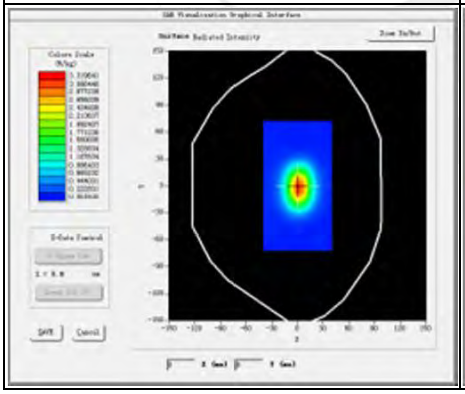
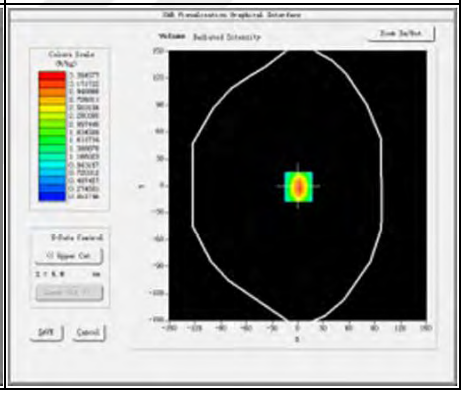


System Performance Check Data (1900MHz Head)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2015.02.09
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)	39.57
Relative permittivity	13.26
Conductivity (S/m)	1.40
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

SURFACE SAR	VOLUME SAR
	

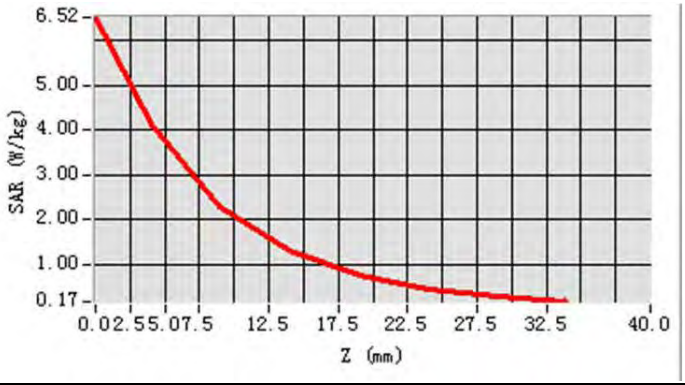
Maximum location: X=1.00, Y=0.00

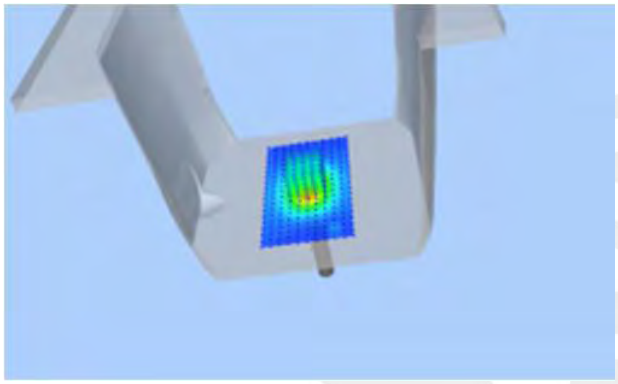
SAR Peak: 5.39 W/kg

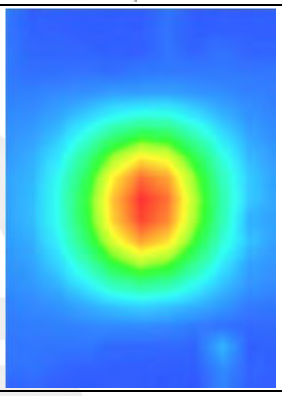
SAR 10g (W/Kg)	1.967525
SAR 1g (W/Kg)	3.840170

Z Axis Scan

Z (mm)	0	4	9	14	19	24	29
SAR(W/Kg)	6.5296	4.1946	2.3311	1.3187	0.5733	0.3288	0.1617





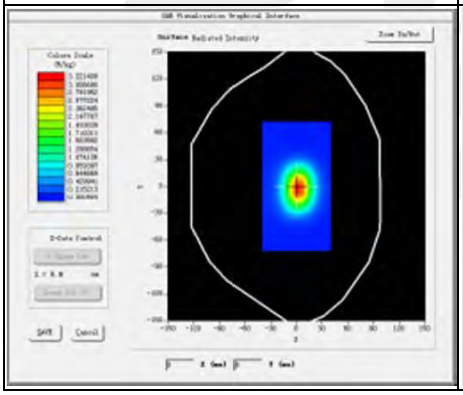
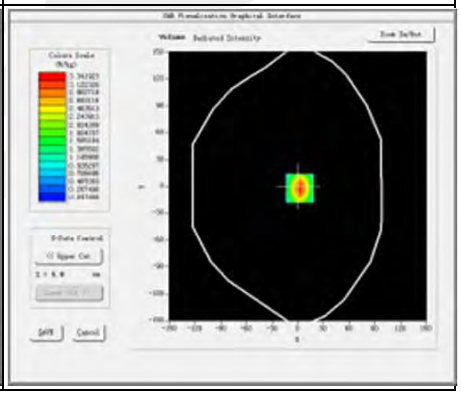


System Performance Check Data (1900MHz Body)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2015.02.09
Measurement duration: 14 minutes 46 seconds

Experimental conditions.

Device Position	-
Band	1900MHz
Channels	-
Signal	CW
Frequency (MHz)	1900
Relative permittivity (real part)	51.68
Relative permittivity	12.87531
Conductivity (S/m)	1.51
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

SURFACE SAR	VOLUME SAR
	

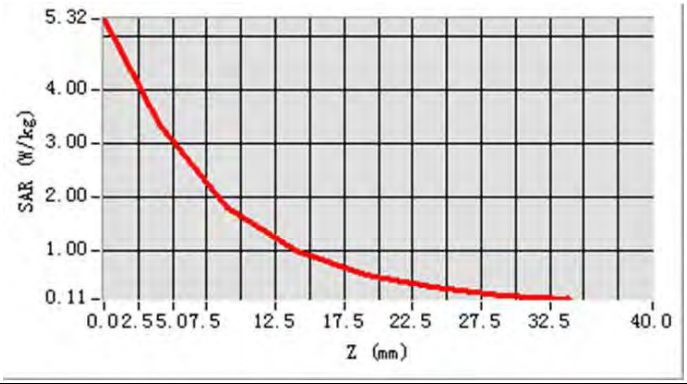
Maximum location: X=2.00, Y=2.00

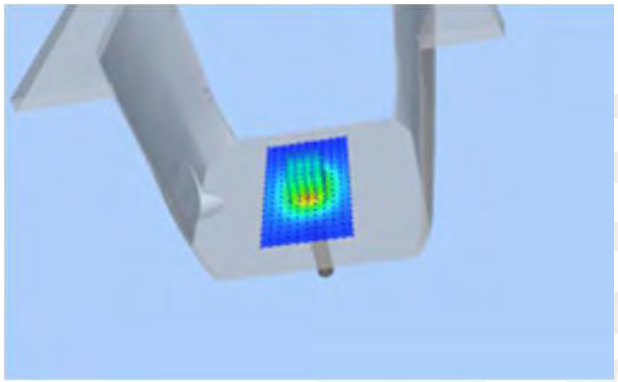
SAR Peak: 5.27 W/kg

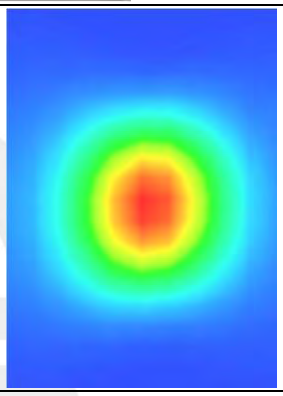
SAR 10g (W/Kg)	2.124122
SAR 1g (W/Kg)	4.141824

Z Axis Scan

Z (mm)	0	4	9	14	19	24	29
SAR(W/Kg)	5.3196	3.3419	1.8167	1.0186	0.5752	0.3285	0.1898





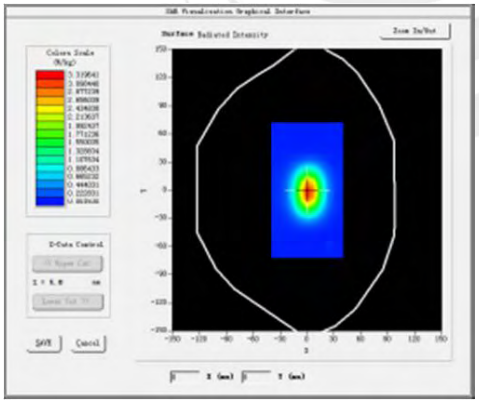
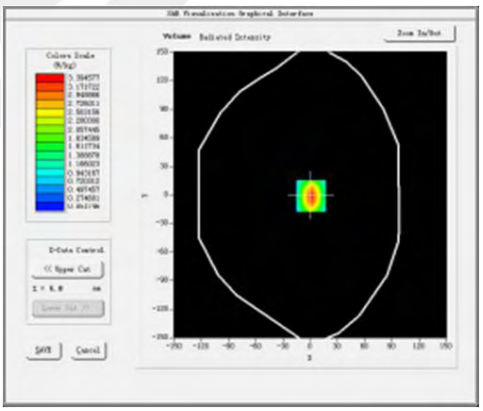


System Performance Check Data (2450MHz Head)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2015.02.09
Measurement duration: 13 minutes 51seconds

Experimental conditions.

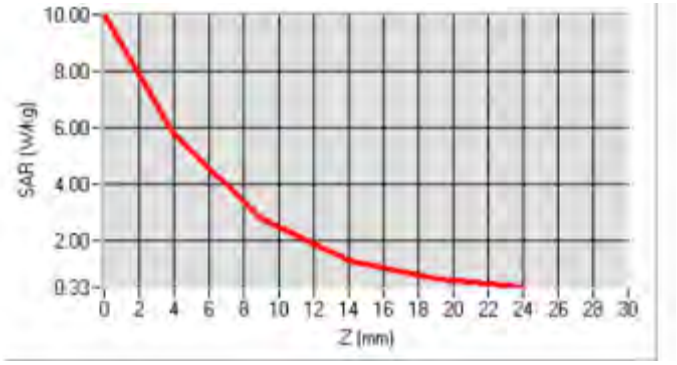
Device Position	Validation plane
Band	2450 MHz
Channels	-
Signal	CW
Frequency (MHz)	2450
Relative permittivity (real part)	39.226002
Relative permittivity	12.930000
Conductivity (S/m)	1.78
Power drift (%)	-1.200000
Ambient Temperature	22.7℃
Liquid Temperature	22.3℃
Probe	SN 17/14 EP221
ConvF	4.11
Crest factor:	1:1

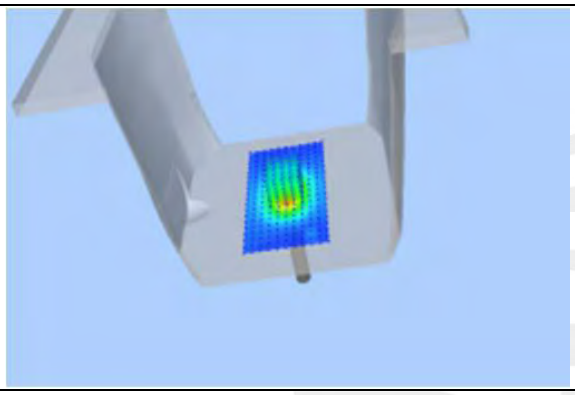
SURFACE SAR	VOLUME SAR
	

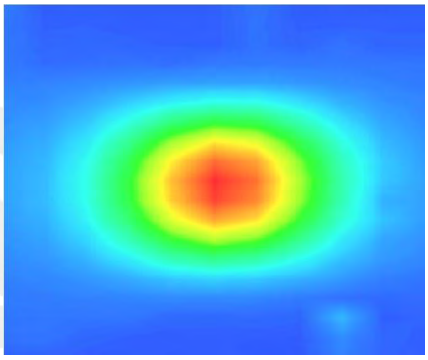
Maximum location: X=7.00, Y=6.00

SAR 10g (W/Kg)	2.264951
SAR 1g (W/Kg)	5.382314

Z Axis Scan


10.00
8.00
6.00
4.00
2.00
0.33
SAR (W/kg)
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30
Z (mm)



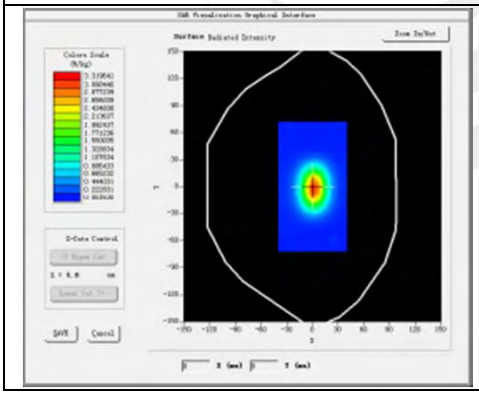
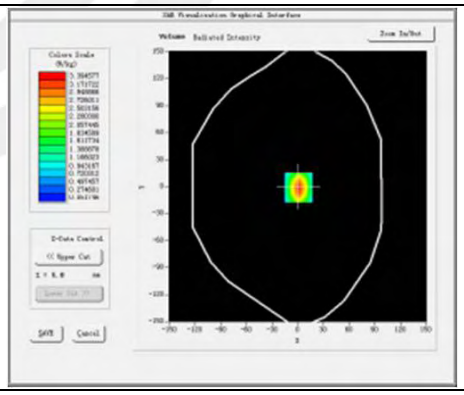


System Performance Check Data (2450MHz Body)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2015.02.09
Measurement duration: 14 minutes 23 seconds

Experimental conditions.

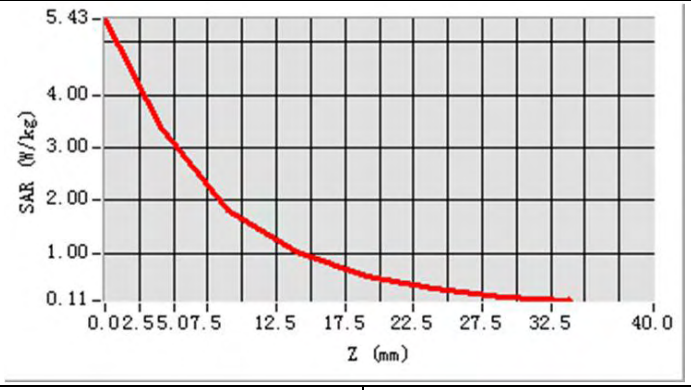
Device Position	Validation plane
Band	2450 MHz
Channels	-
Signal	CW
Frequency (MHz)	2450
Relative permittivity (real part)	39.226002
Relative permittivity	12.930000
Conductivity (S/m)	1.95
Power drift (%)	-1.200000
Ambient Temperature	22.7℃
Liquid Temperature	22.3℃
Probe	SN 17/14 EP221
ConvF	4.25
Crest factor:	1:1

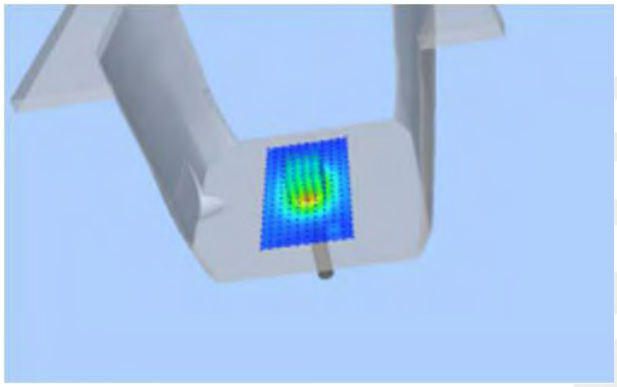
SURFACE SAR	VOLUME SAR
	

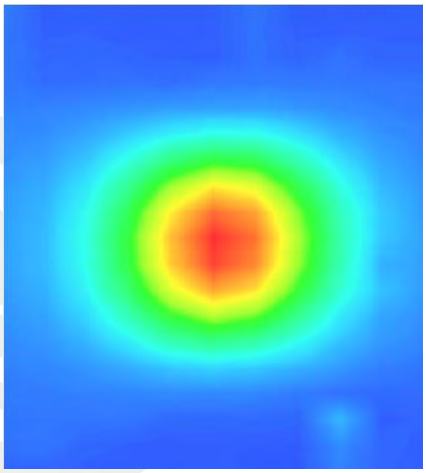
Maximum location: X=3.00, Y=1.00

SAR 10g (W/Kg)	2.158946
SAR 1g (W/Kg)	5.123264

Z Axis Scan


5.43
4.00
3.00
2.00
1.00
0.11
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)





Appendix B. SAR Test Plots

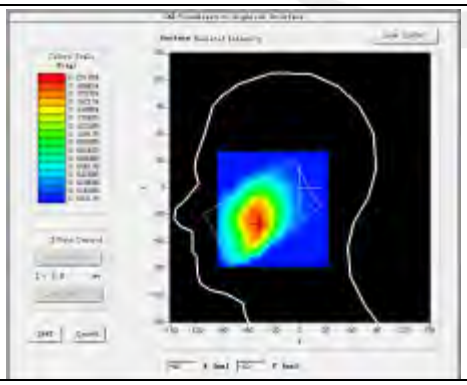
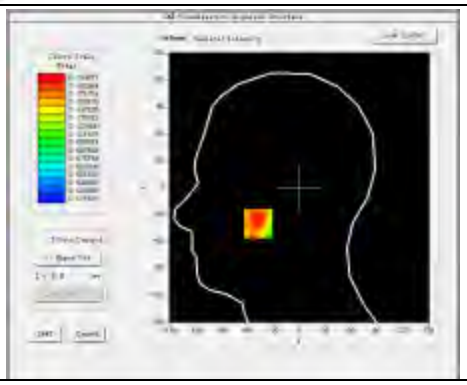
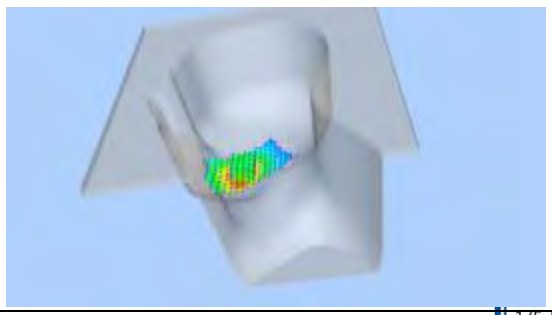
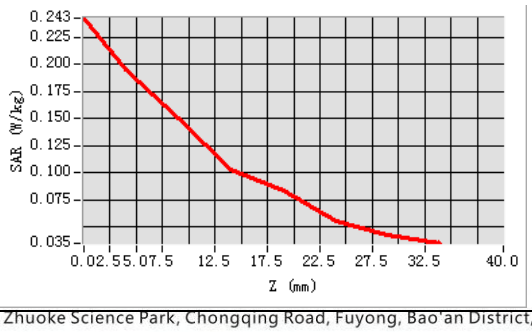
Plot 1: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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)	836.6
Relative permittivity (real part)	44.22
Conductivity (S/m)	0.91
Variation (%)	-2.13

Maximum location: X=-48.00, Y=-31.00

SAR Peak: 0.24W/kg

SAR 10g (W/Kg)	0.103691
SAR 1g (W/Kg)	0.138624

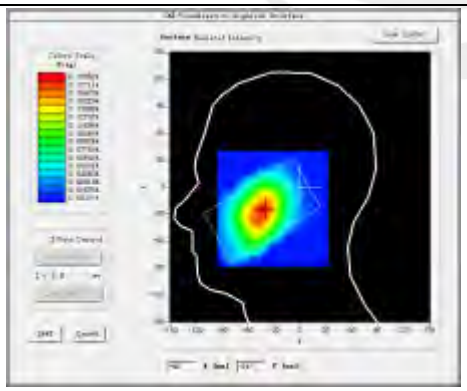
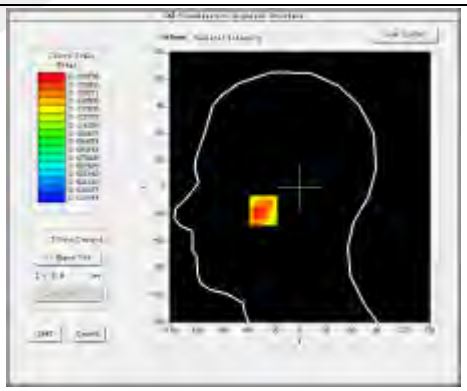
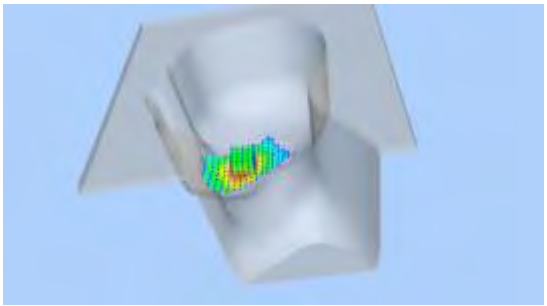
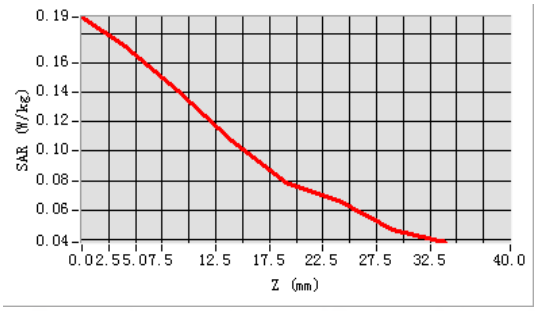
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 2: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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
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)	836.6
Relative permittivity (real part)	44.22
Conductivity (S/m)	0.91
Variation (%)	-0.16

Maximum location: X=-30.00, Y=-26.00
SAR Peak: 0.19 W/kg

SAR 10g (W/Kg)	0.082323
SAR 1g (W/Kg)	0.113484

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

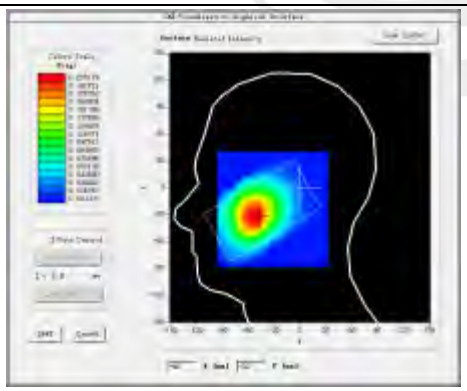
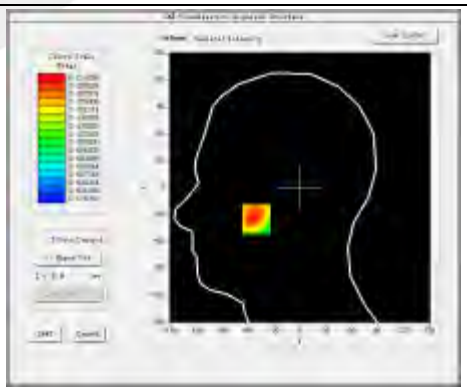
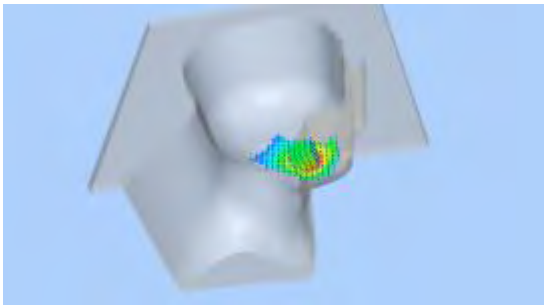
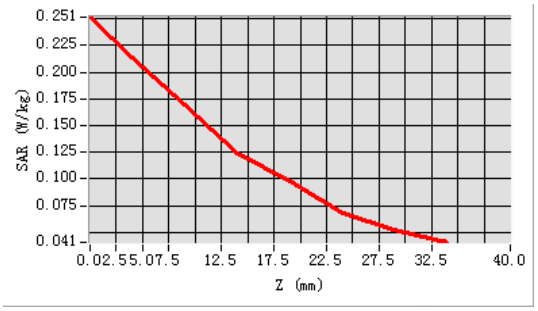
Plot 3: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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	Left head
Device Position	Cheek
Band	GSM850
Channels	High
Signal	TDMA (Crest factor: 8.32)
Frequency (MHz)	836.6
Relative permittivity (real part)	44.2
Conductivity (S/m)	0.91
Variation (%)	0.34

Maximum location: X=-41.00, Y=-35.00

SAR Peak: 0.25 W/kg

SAR 10g (W/Kg)	0.126958
SAR 1g (W/Kg)	0.185129

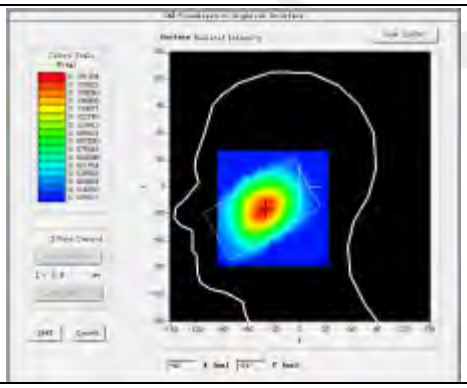
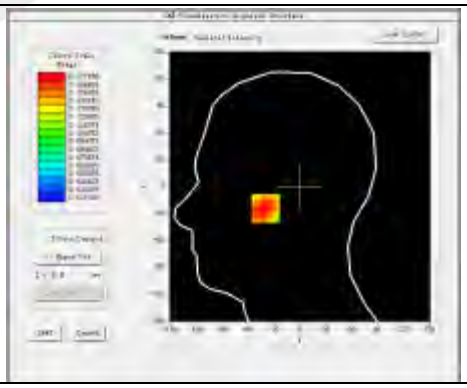
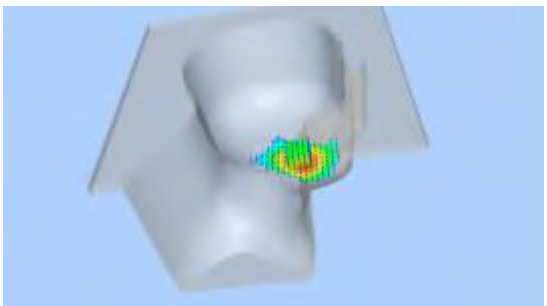
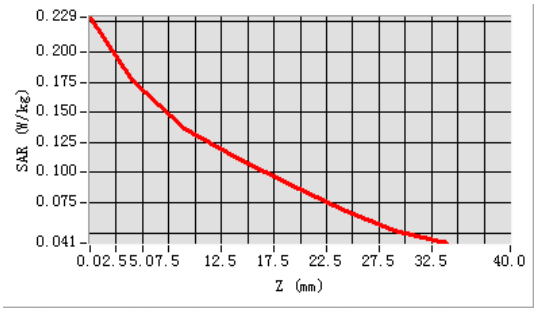
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 4: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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	Left head
Device Position	Tilt
Band	GSM850
Channels	High
Signal	TDMA (Crest factor: 8.32)
Frequency (MHz)	836.6
Relative permittivity (real part)	44.2
Conductivity (S/m)	0.91
Variation (%)	2.10

Maximum location: X=-38.00, Y=-23.00
SAR Peak: 0.23W/kg

SAR 10g (W/Kg)	0.126993
SAR 1g (W/Kg)	0.160823

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

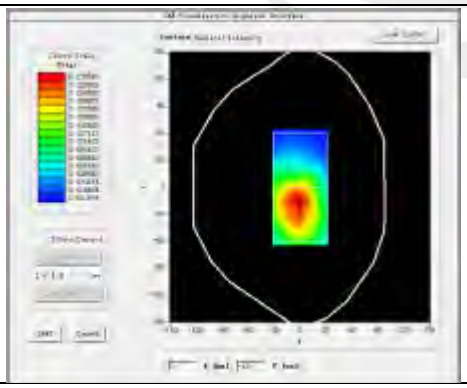
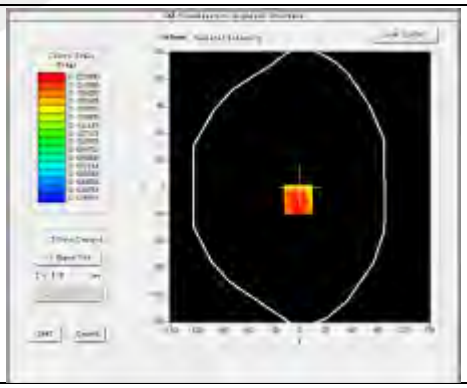
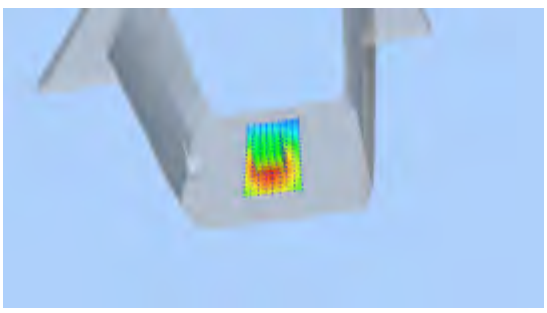
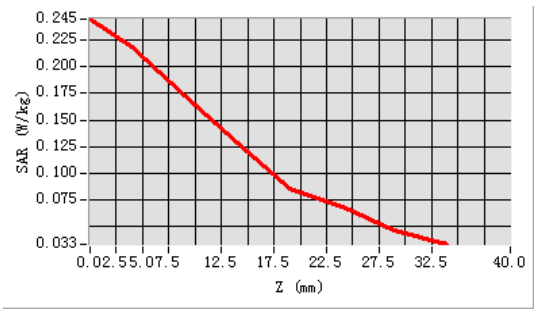
Plot 5: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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 Front
Band	GSM850
Channels	High
Signal	TDMA (Crest factor: 8.32)
Frequency (MHz)	836.6
Relative permittivity (real part)	44.22
Conductivity (S/m)	0.91
Variation (%)	-1.92

Maximum location: X=-2.00, Y=-14.00

SAR Peak: 0.25 W/kg

SAR 10g (W/Kg)	0.105154
SAR 1g (W/Kg)	0.193215

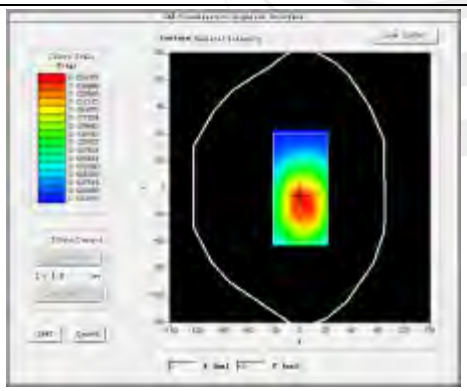
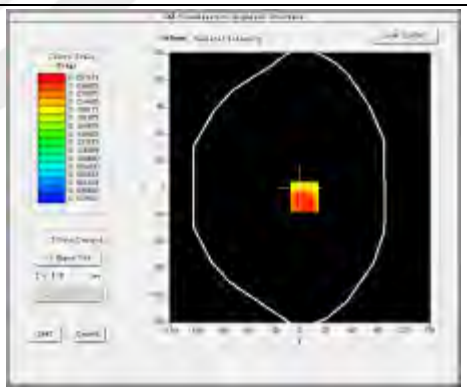
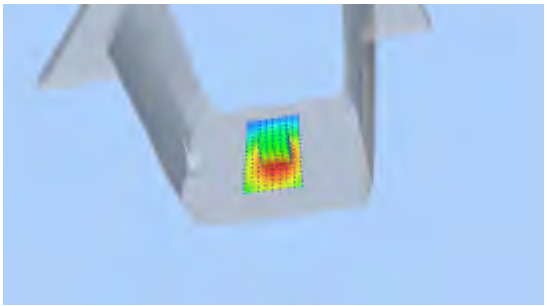
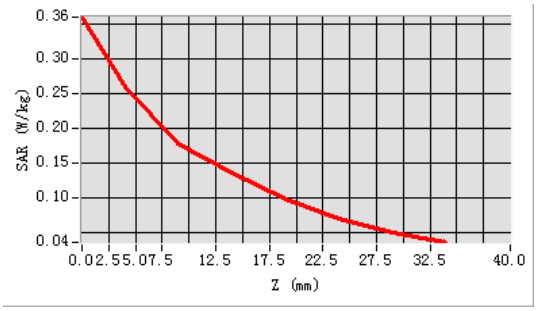
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 6: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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	GSM850
Channels	High
Signal	TDMA (Crest factor: 8.32)
Frequency (MHz)	836.6
Relative permittivity (real part)	44.22
Conductivity (S/m)	0.91
Variation (%)	-3.06

Maximum location: X=5.00, Y=-10.00
SAR Peak: 0.36W/kg

SAR 10g (W/Kg)	0.172887
SAR 1g (W/Kg)	0.250675

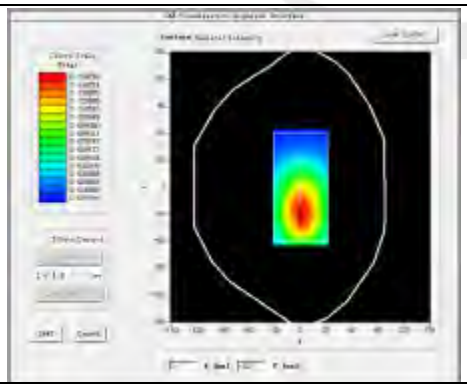
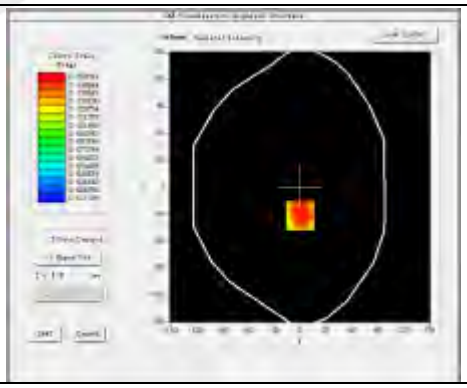
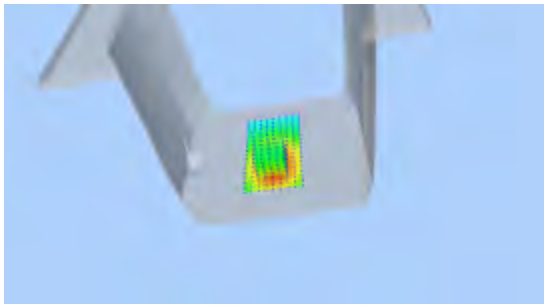
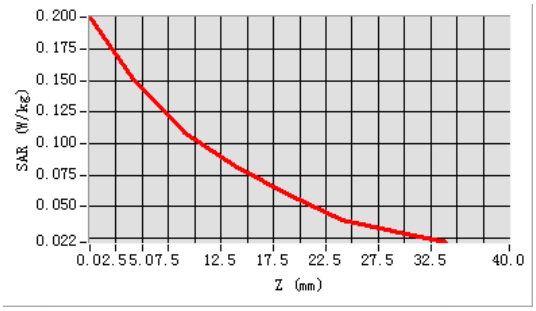
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 7: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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 left side
Band	GSM850
Channels	High
Signal	TDMA (Crest factor: 8.32)
Frequency (MHz)	836.6
Relative permittivity (real part)	44.22
Conductivity (S/m)	0.91
Variation (%)	2.14

Maximum location: X=0.00, Y=-32.00
SAR Peak: 0.20 W/kg

SAR 10g (W/Kg)	0.102146
SAR 1g (W/Kg)	0.125976

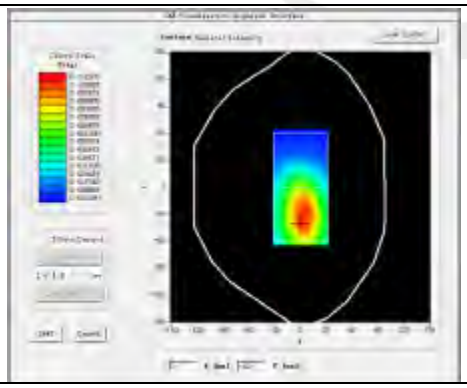
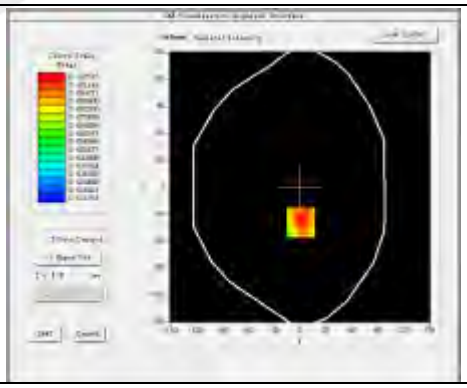
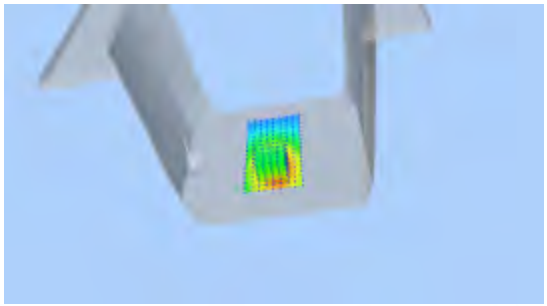
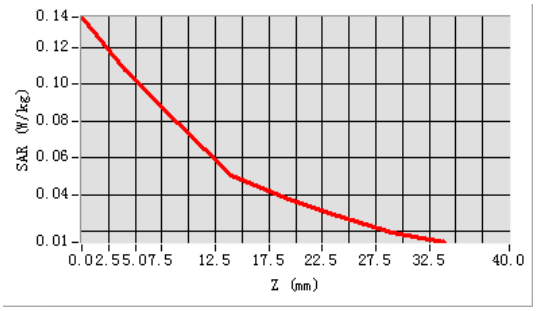
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 8: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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	GSM850
Channels	High
Signal	TDMA (Crest factor: 8.32)
Frequency (MHz)	836.6
Relative permittivity (real part)	44.22
Conductivity (S/m)	0.91
Variation (%)	1.04

Maximum location: X=1.00, Y=-39.00
SAR Peak: 0.13 W/kg

SAR 10g (W/Kg)	0.068215
SAR 1g (W/Kg)	0.102465

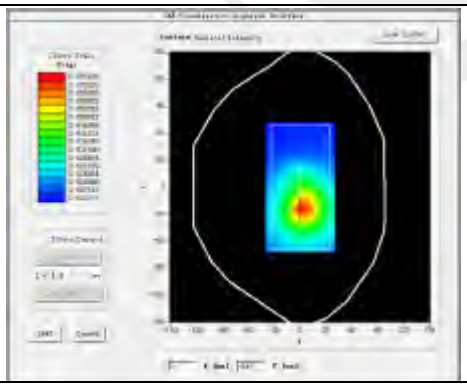
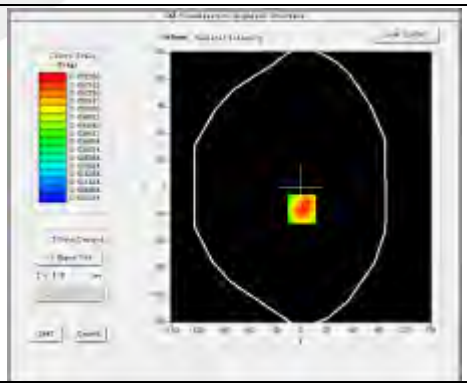
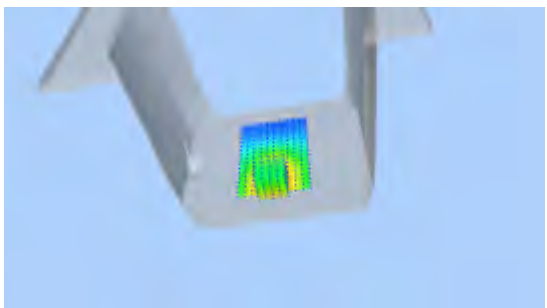
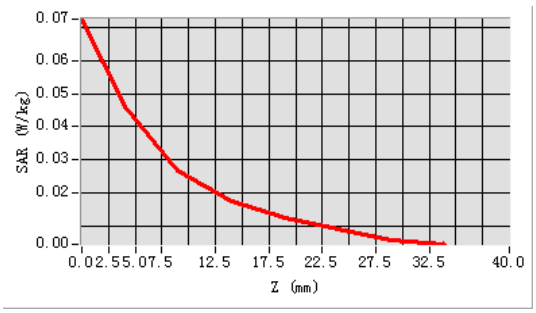
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 9: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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
Zoom Scan	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	GSM850
Channels	High
Signal	TDMA (Crest factor: 8.32)
Frequency (MHz)	836.6
Relative permittivity (real part)	44.22
Conductivity (S/m)	0.91
Variation (%)	0.33

Maximum location: X=43.00, Y=14.00
SAR Peak: 0.07 W/kg

SAR 10g (W/Kg)	0.029353
SAR 1g (W/Kg)	0.048580

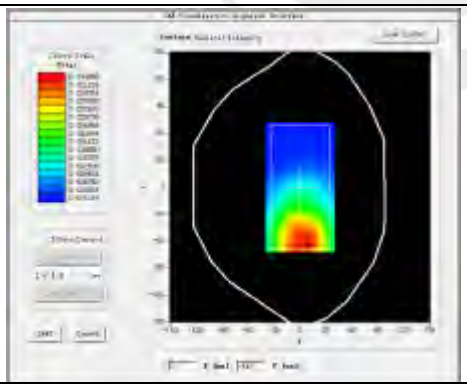
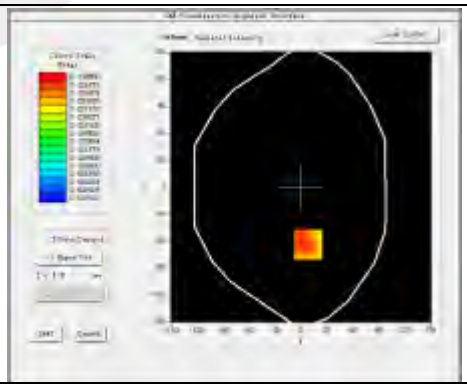
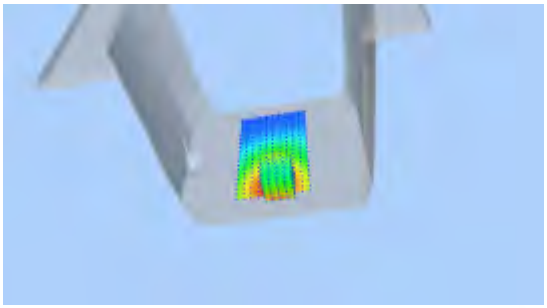
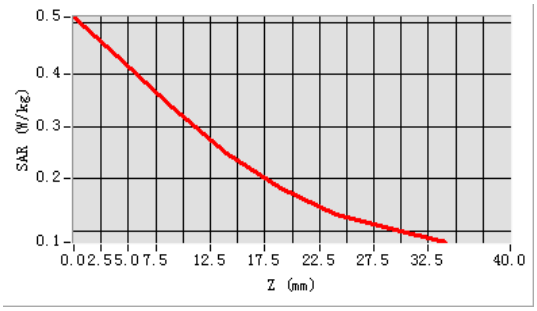
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 10: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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 Front
Band	GPRS 850
Channels	Middle
Signal	TDMA (Crest factor: 4.0)
Frequency (MHz)	836.6
Relative permittivity (real part)	41.5
Conductivity (S/m)	0.90
Variation (%)	1.94

Maximum location: X=-7.00, Y=-22.00
SAR Peak: 0.5 W/kg

SAR 10g (W/Kg)	0.273153
SAR 1g (W/Kg)	0.302469

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

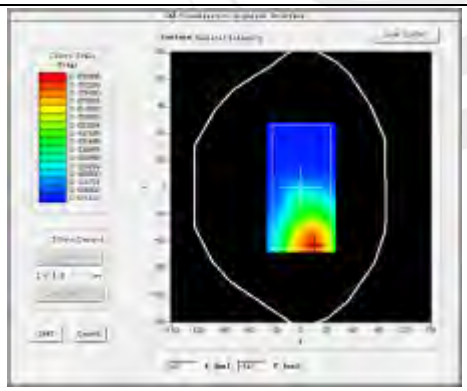
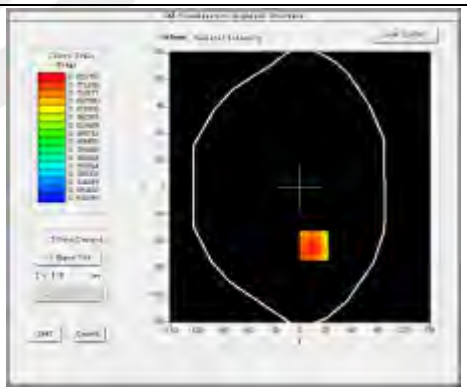
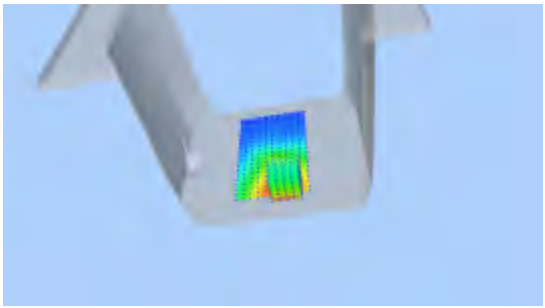
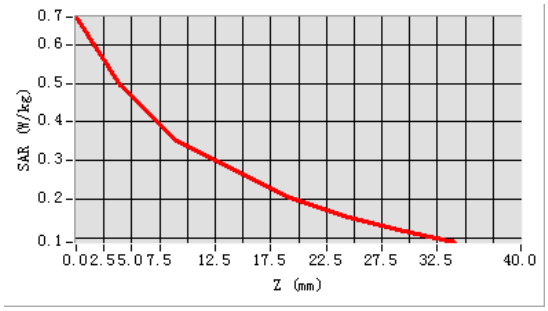
Plot 11: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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	GPRS 850
Channels	Middle
Signal	TDMA (Crest factor: 4.0)
Frequency (MHz)	836.6
Relative permittivity (real part)	41.5
Conductivity (S/m)	0.90
Variation (%)	-1.57

Maximum location: X=3.00, Y=-35.00

SAR Peak: 0.7W/kg

SAR 10g (W/Kg)	0.365850
SAR 1g (W/Kg)	0.516042

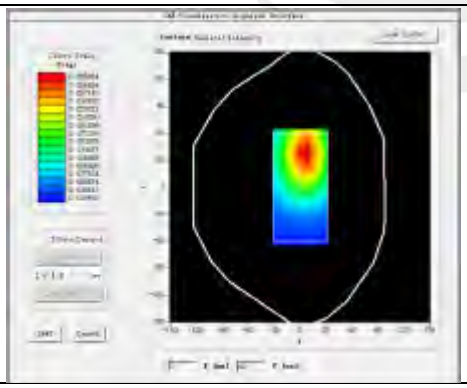
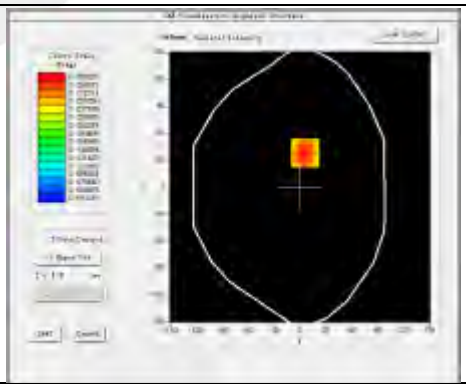
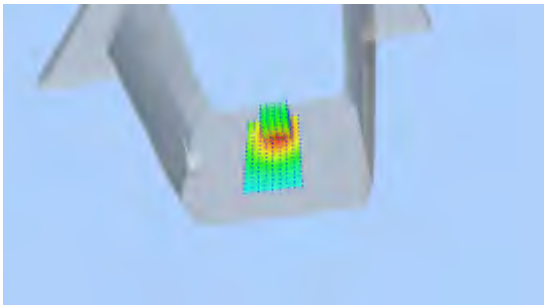
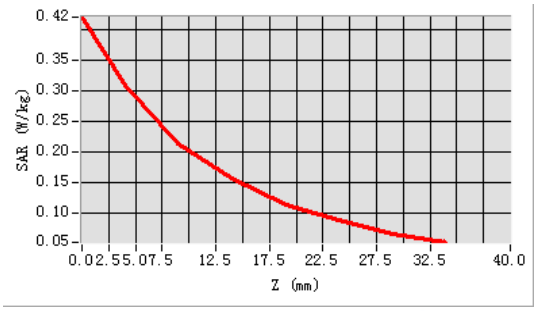
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 12: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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 left side
Band	GPRS 850
Channels	Middle
Signal	TDMA (Crest factor: 4.0)
Frequency (MHz)	836.6
Relative permittivity (real part)	41.5
Conductivity (S/m)	0.90
Variation (%)	2.37

Maximum location: X=1.00, Y=38.00
SAR Peak: 0.42 W/kg

SAR 10g (W/Kg)	0.203953
SAR 1g (W/Kg)	0.291780

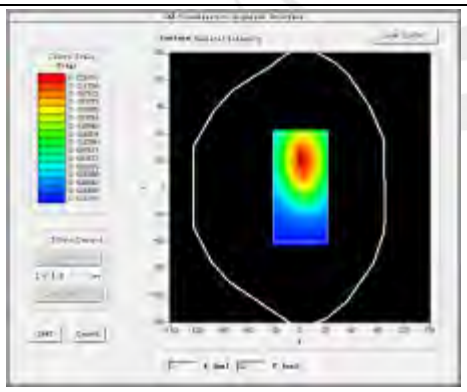
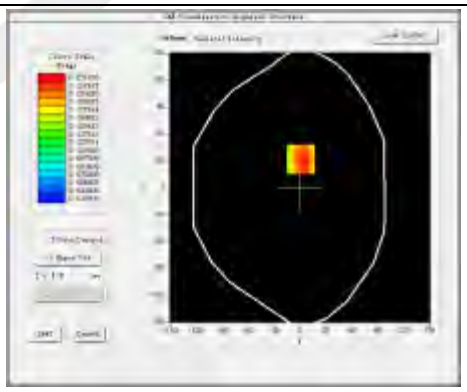
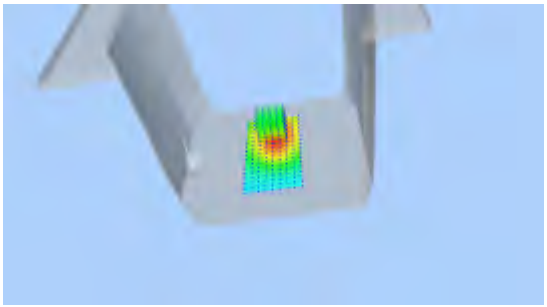
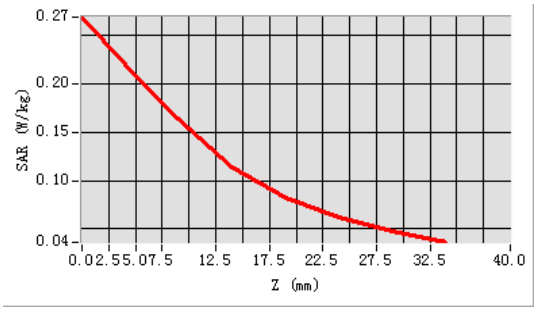
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 13: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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	GPRS 850
Channels	Middle
Signal	TDMA (Crest factor: 4.0)
Frequency (MHz)	836.6
Relative permittivity (real part)	41.5
Conductivity (S/m)	0.90
Variation (%)	2.15

Maximum location: X=1.00, Y=32.00
SAR Peak: 0.27 W/kg

SAR 10g (W/Kg)	0.140957
SAR 1g (W/Kg)	0.212955

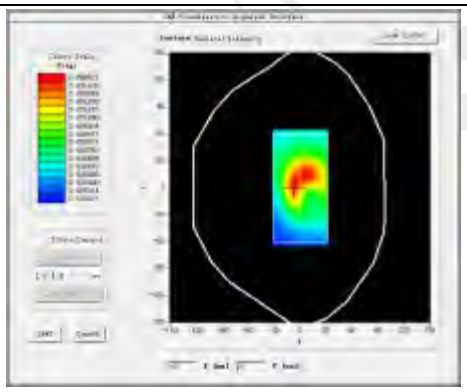
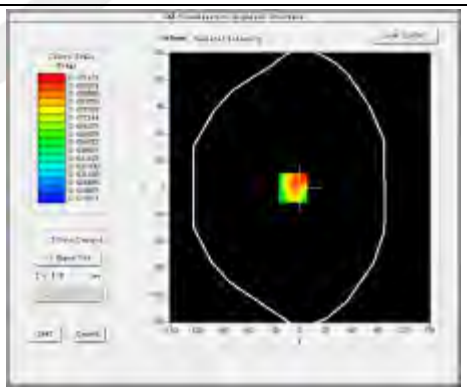
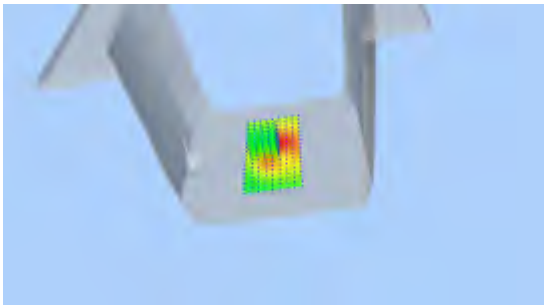
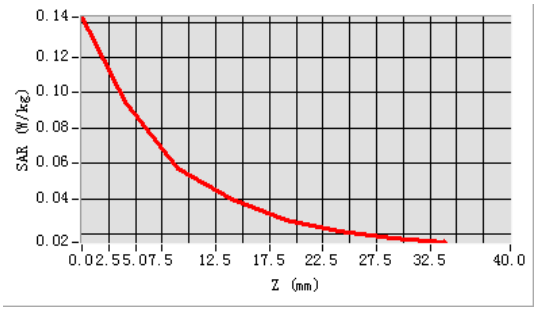
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 14: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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 bottom side
Band	GPRS 850
Channels	Middle
Signal	TDMA (Crest factor: 4.0)
Frequency (MHz)	836.6
Relative permittivity (real part)	41.5
Conductivity (S/m)	0.90
Variation (%)	-1.30

Maximum location: X=-8.00, Y=0.00
SAR Peak: 0.14 W/kg

SAR 10g (W/Kg)	0.058227
SAR 1g (W/Kg)	0.095420

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

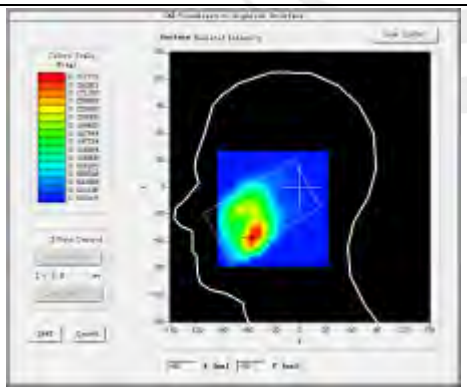
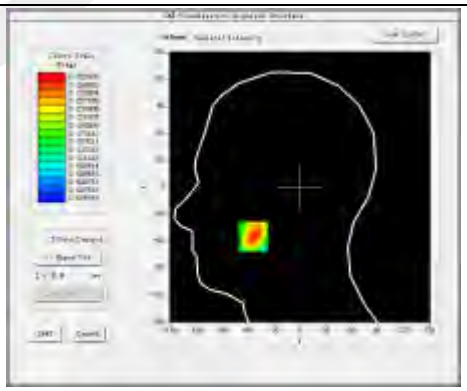
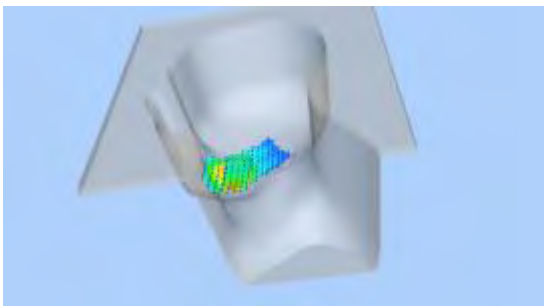
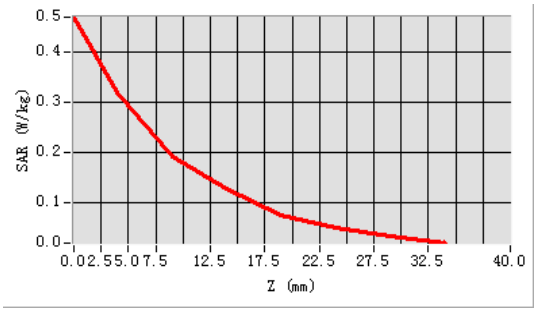
Plot 15: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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	Right head
Device Position	Cheek
Band	GSM1900
Channels	Middle
Signal	TDMA (Crest factor: 8.32)
Frequency (MHz)	1850.2
Relative permittivity (real part)	39.57
Conductivity (S/m)	1.43
Variation (%)	3.52

Maximum location: X=-54.00, Y=-55.00

SAR Peak: 0.49 W/kg

SAR 10g (W/Kg)	0.162308
SAR 1g (W/Kg)	0.315681

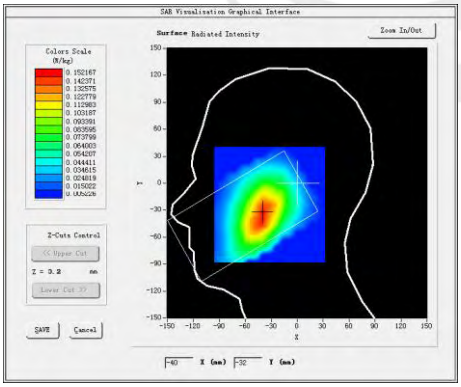
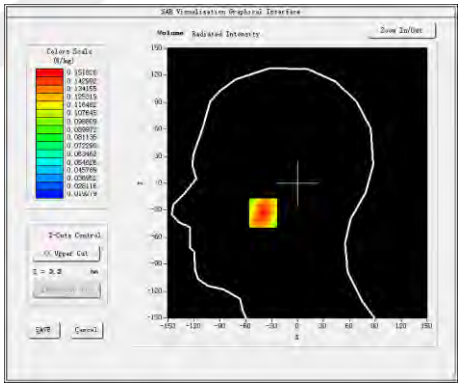
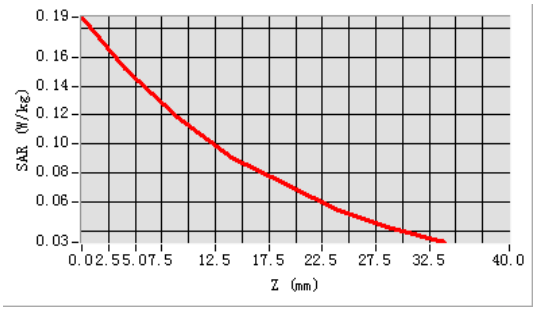
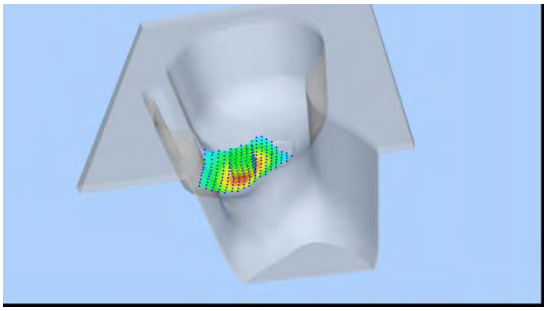
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 16: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
Probe	SN 17/14 EP221
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
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	Middle
Signal	TDMA (Crest factor: 8.32)
Frequency (MHz)	1850.2
Relative permittivity (real part)	39.57
Conductivity (S/m)	1.43
Variation (%)	-3.38

Maximum location: X=-40.00, Y=-33.00
SAR Peak:0.19 W/kg

SAR 10g (W/Kg)	0.104407
SAR 1g (W/Kg)	0.144514

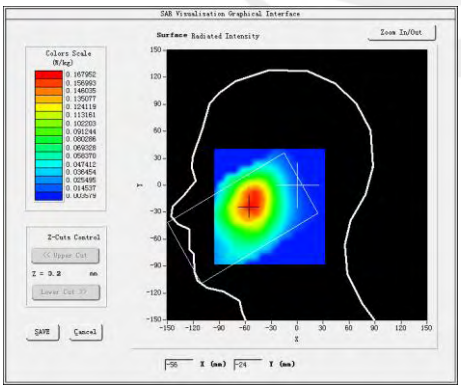
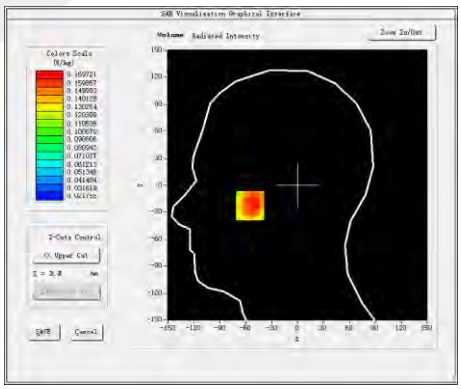
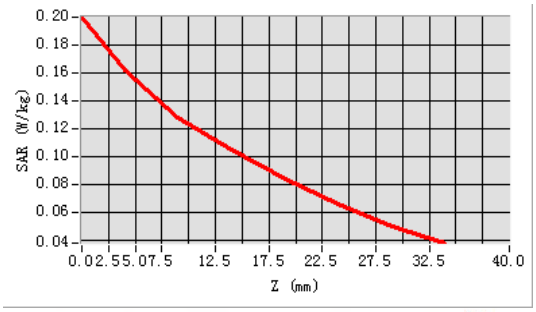
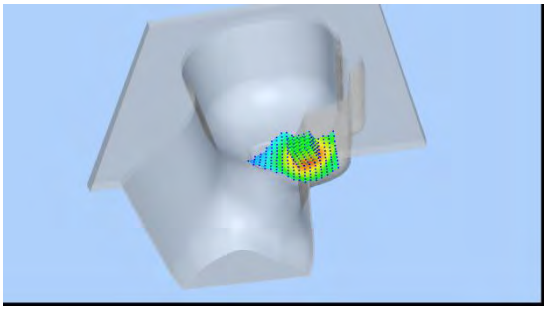
SURFACE SAR	VOLUME SAR
	
Z Axis Scan	**3D**
	

Plot 17: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
Probe	SN 17/14 EP221
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
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	Middle
Signal	TDMA (Crest factor: 8.32)
Frequency (MHz)	1850.2
Relative permittivity (real part)	39.57
Conductivity (S/m)	1.43
Variation (%)	0.66

Maximum location: X=-55.00, Y=-23.00
SAR Peak: 0.23 W/kg

SAR 10g (W/Kg)	0.119348
SAR 1g (W/Kg)	0.166349

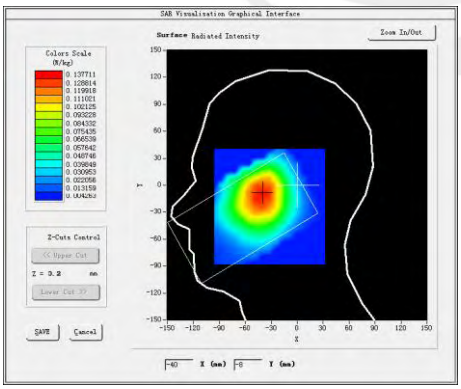
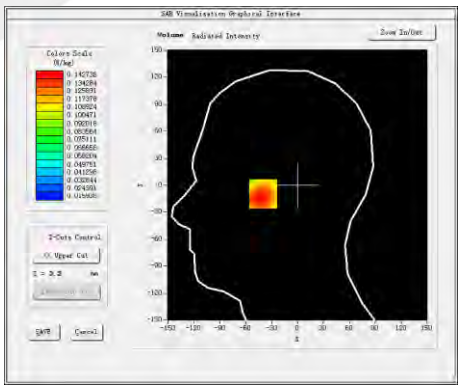
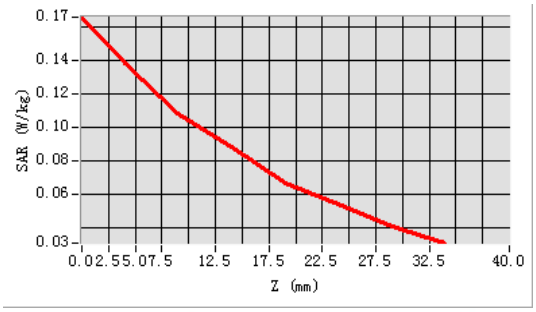
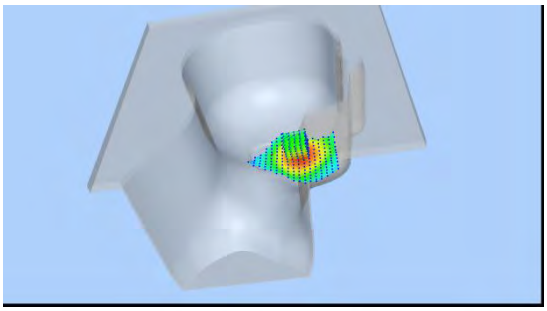
SURFACE SAR	VOLUME SAR
	
Z Axis Scan	**3D**
	

Plot 18: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
Probe	SN 17/14 EP221
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
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	Middle
Signal	TDMA (Crest factor: 8.32)
Frequency (MHz)	1850.2
Relative permittivity (real part)	39.57
Conductivity (S/m)	1.43
Variation (%)	-1.50

Maximum location: X=-40.00, Y=-8.00
SAR Peak: 0.19 W/kg

SAR 10g (W/Kg)	0.102051
SAR 1g (W/Kg)	0.140545

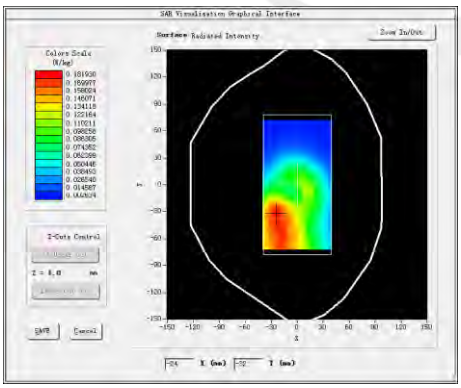
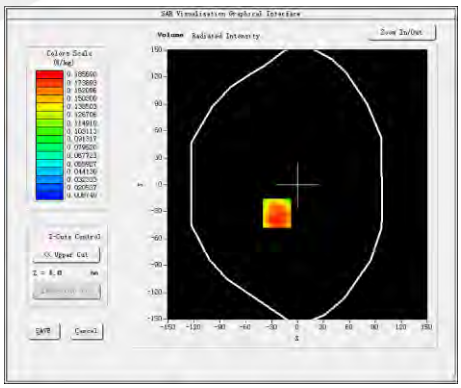
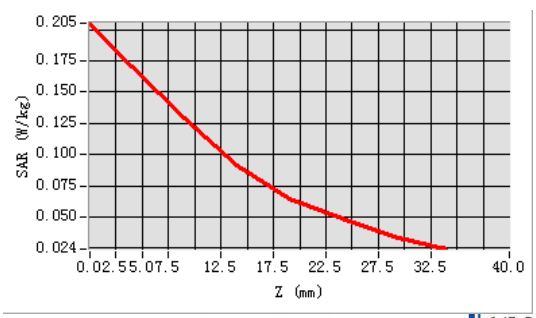
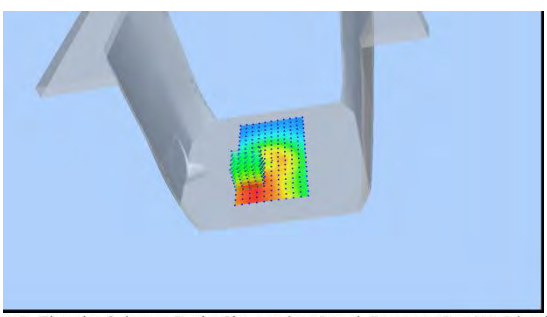
SURFACE SAR	VOLUME SAR
	
Z Axis Scan	**3D**
	

Plot 19: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
Probe	SN 17/14 EP221
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
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	GSM1900
Channels	Middle
Signal	TDMA (Crest factor: 8.32)
Frequency (MHz)	1850.2
Relative permittivity (real part)	39.57
Conductivity (S/m)	1.43
Variation (%)	-3.47

Maximum location: X=-24.00, Y=-32.00
SAR Peak: 0.25 W/kg

SAR 10g (W/Kg)	0.120393
SAR 1g (W/Kg)	0.176415

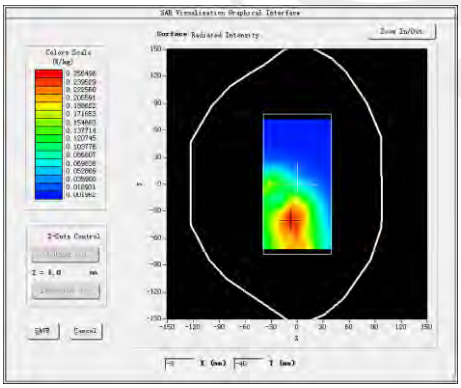
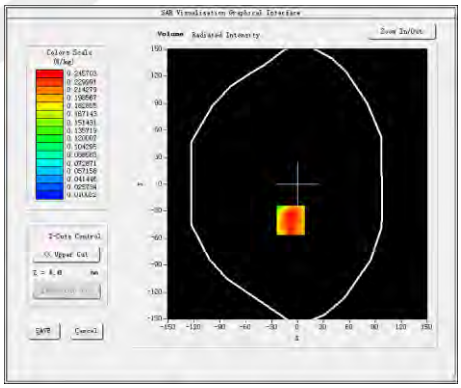
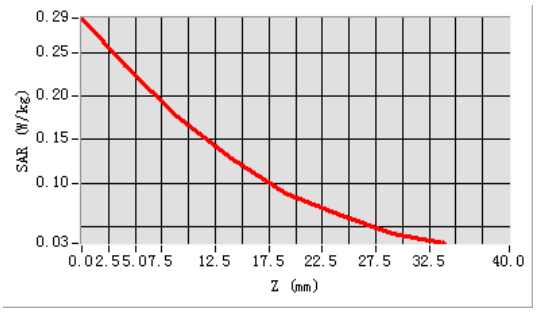
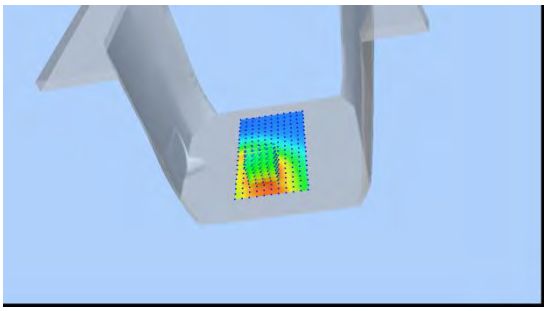
SURFACE SAR	VOLUME SAR
	
Z Axis Scan	**3D**
	

Plot 20: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
Probe	SN 17/14 EP221
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
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	GSM1900
Channels	Middle
Signal	TDMA (Crest factor: 8.32)
Frequency (MHz)	1850.2
Relative permittivity (real part)	39.57
Conductivity (S/m)	1.43
Variation (%)	-4.62

Maximum location: X=-8.00, Y=-40.00
SAR Peak: 0.37W/kg

SAR 10g (W/Kg)	0.159299
SAR 1g (W/Kg)	0.239405

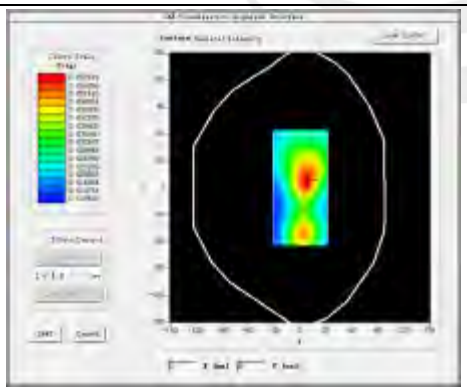
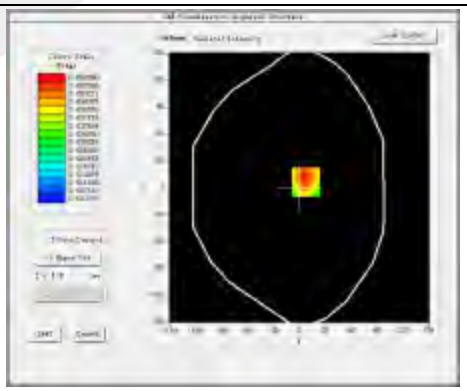
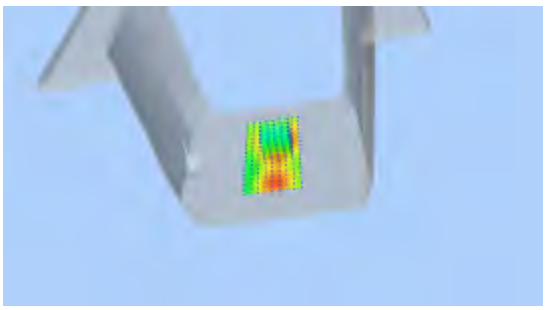
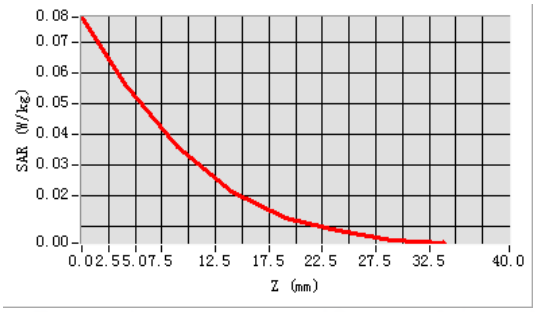
SURFACE SAR	VOLUME SAR
	
Z Axis Scan	**3D**
	

Plot 21: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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 left side
Band	GSM1900
Channels	Middle
Signal	TDMA (Crest factor: 8.32)
Frequency (MHz)	1850.2
Relative permittivity (real part)	39.57
Conductivity (S/m)	1.43
Variation (%)	0.30

Maximum location: X=6.00, Y=7.00
SAR Peak: 0.08 W/kg

SAR 10g (W/Kg)	0.032105
SAR 1g (W/Kg)	0.055744

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

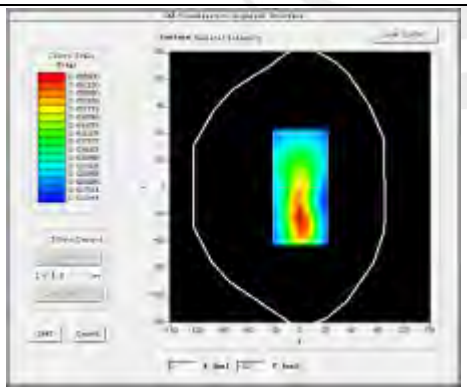
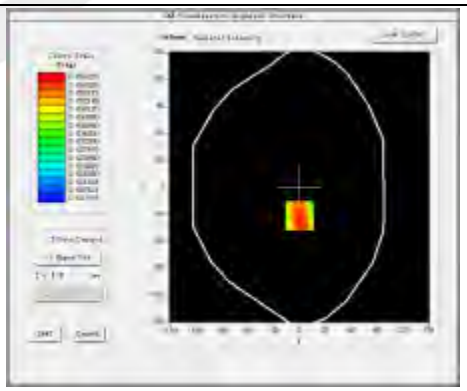
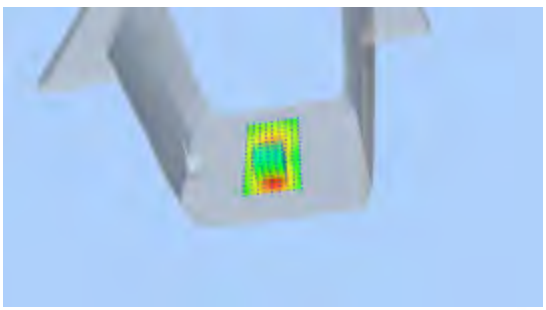
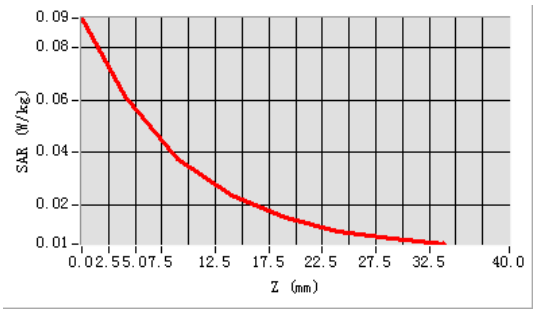
Plot 22: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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 right side
Band	GSM1900
Channels	Middle
Signal	TDMA (Crest factor: 8.32)
Frequency (MHz)	1850.2
Relative permittivity (real part)	39.57
Conductivity (S/m)	1.43
Variation (%)	1.53

Maximum location: X=0.00, Y=-32.00

SAR Peak: 0.09 W/kg

SAR 10g (W/Kg)	0.035481
SAR 1g (W/Kg)	0.052443

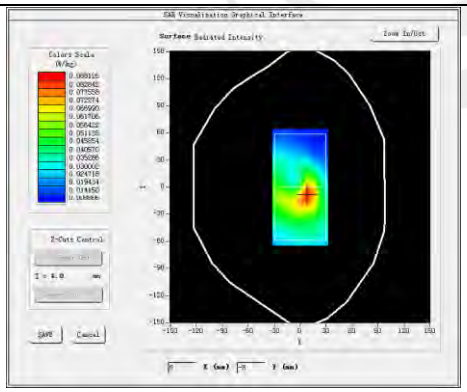
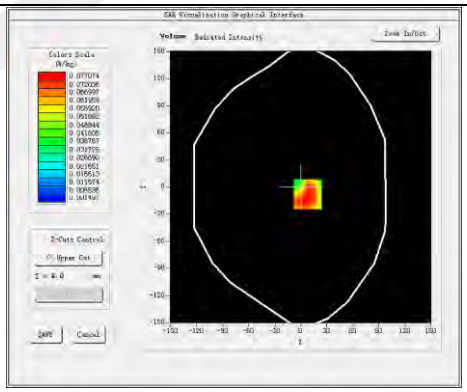
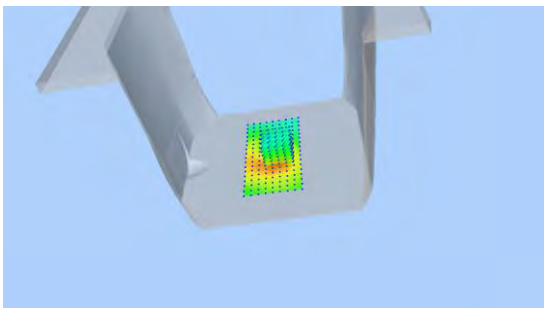
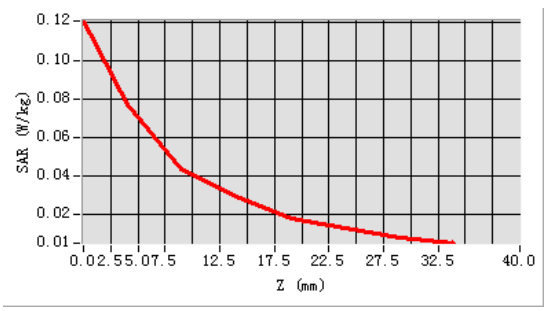
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 23: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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 bottom side
Band	GSM1900
Channels	Middle
Signal	TDMA (Crest factor: 8.32)
Frequency (MHz)	1850.2
Relative permittivity (real part)	39.57
Conductivity (S/m)	1.43
Variation (%)	-1.67

Maximum location: X=8.00, Y=-8.00
SAR Peak:0.13 W/kg

SAR 10g (W/Kg)	0.045121
SAR 1g (W/Kg)	0.076462

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

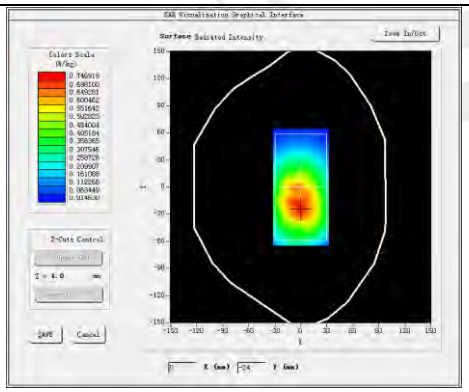
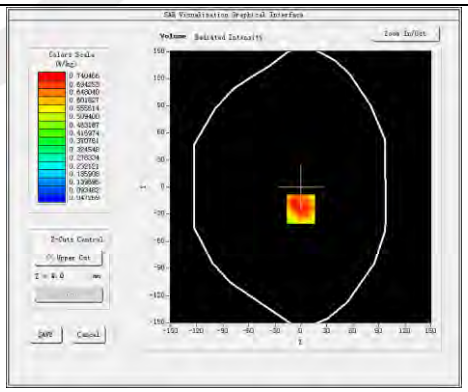
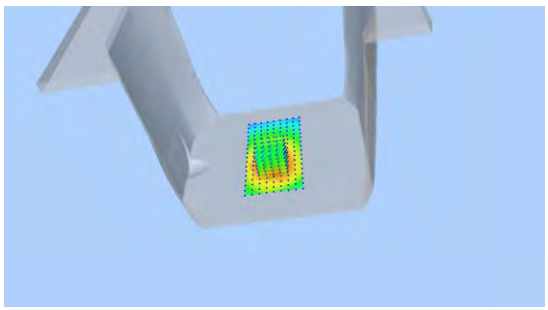
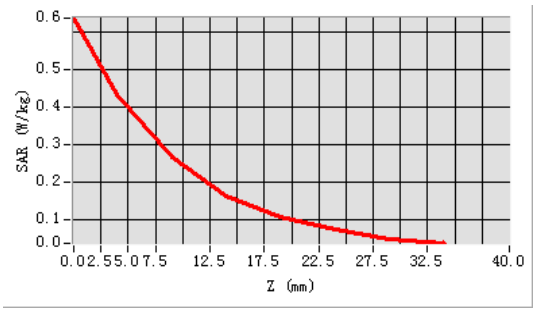
Plot 24: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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	GPRS 1900
Channels	Middle
Signal	TDMA (Crest factor: 4.0)
Frequency (MHz)	1850.2
Relative permittivity (real part)	40.00
Conductivity (S/m)	1.40
Variation (%)	-3.22

Maximum location: X=0.00, Y=-24.00

SAR Peak:0.6 W/kg

SAR 10g (W/Kg)	0.230223
SAR 1g (W/Kg)	0.413725

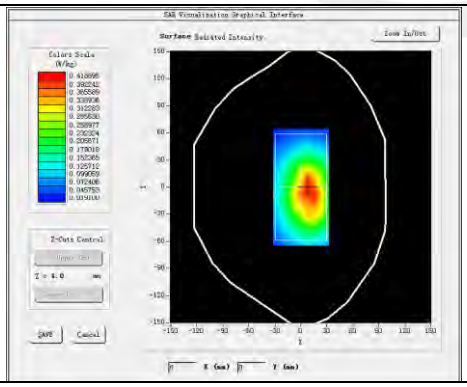
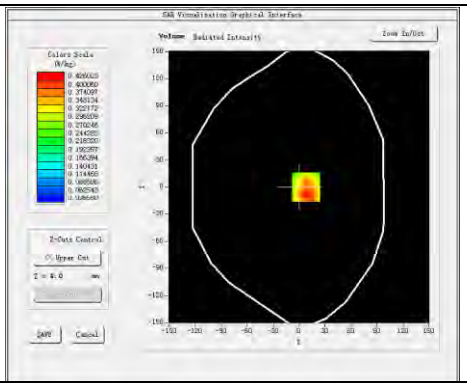
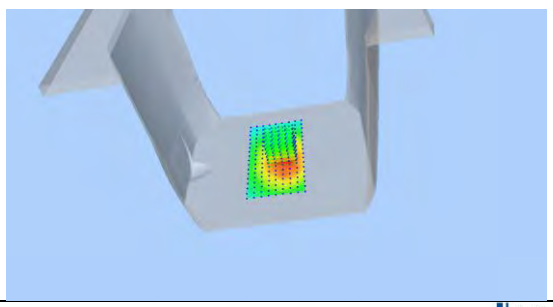
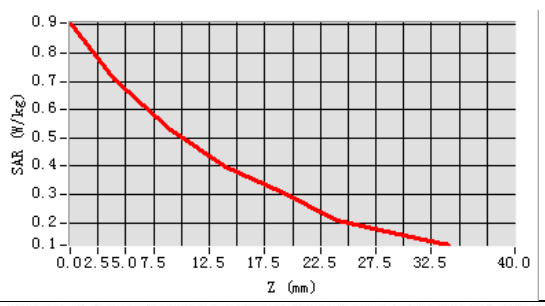
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 25: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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 Behind
Band	GPRS 1900
Channels	Middle
Signal	TDMA (Crest factor: 4.0)
Frequency (MHz)	1850.2
Relative permittivity (real part)	40.00
Conductivity (S/m)	1.40
Variation (%)	1.17

Maximum location: X=8.00, Y=0.00
SAR Peak: 0.89 W/kg

SAR 10g (W/Kg)	0.309527
SAR 1g (W/Kg)	0.467243

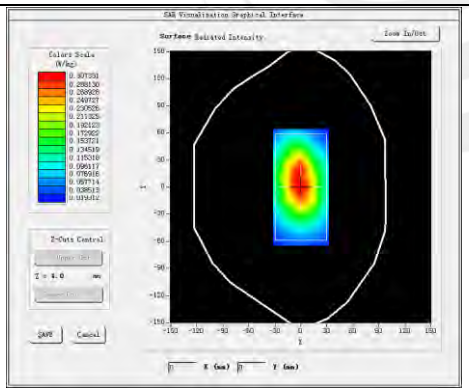
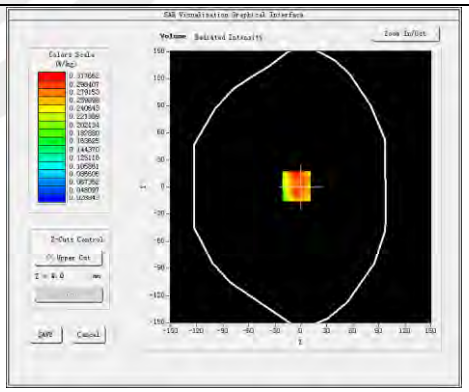
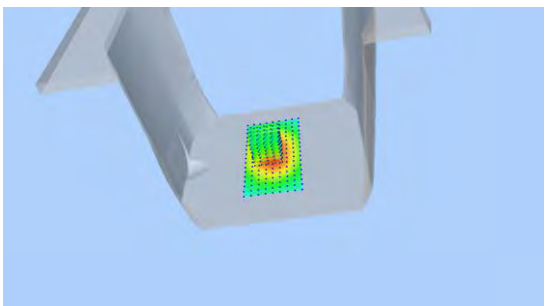
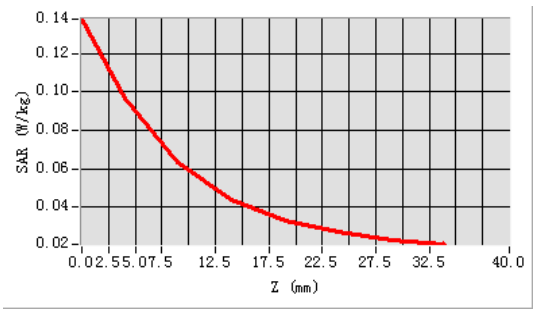
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 26: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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 left side
Band	GPRS 1900
Channels	Middle
Signal	TDMA (Crest factor: 4.0)
Frequency (MHz)	1850.2
Relative permittivity (real part)	40.00
Conductivity (S/m)	1.40
Variation (%)	2.03

Maximum location: X=-5.00, Y=1.00
SAR Peak: 0.13 W/kg

SAR 10g (W/Kg)	0.058636
SAR 1g (W/Kg)	0.091249

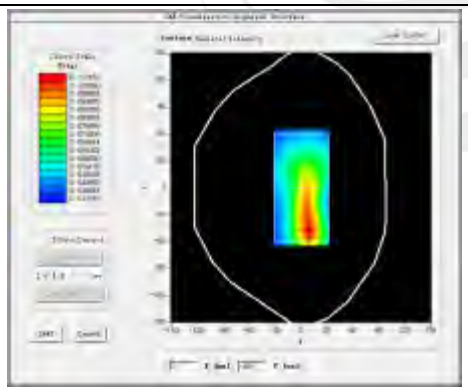
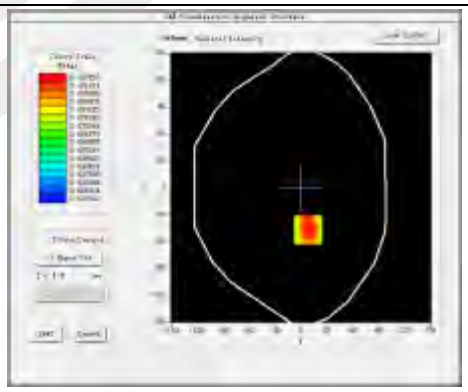
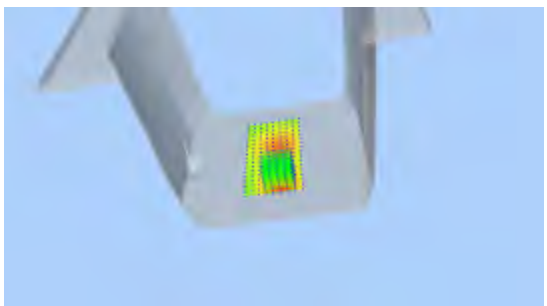
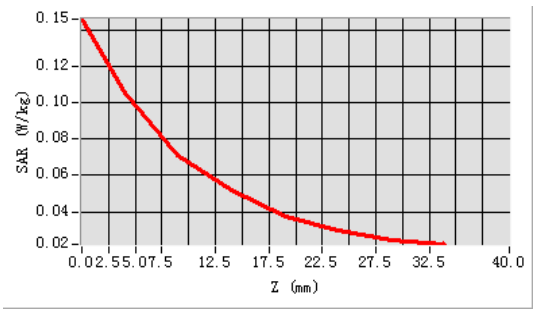
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 27: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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 right side
Band	GPRS 1900
Channels	Middle
Signal	TDMA (Crest factor: 4.0)
Frequency (MHz)	1850.2
Relative permittivity (real part)	40.00
Conductivity (S/m)	1.40
Variation (%)	1.67

Maximum location: X=8.00, Y=-40.00
SAR Peak: 0.15 W/kg

SAR 10g (W/Kg)	0.065031
SAR 1g (W/Kg)	0.102591

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

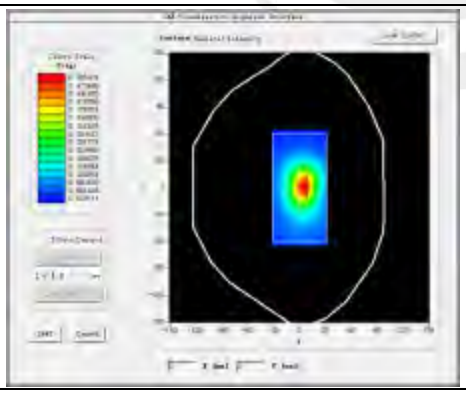
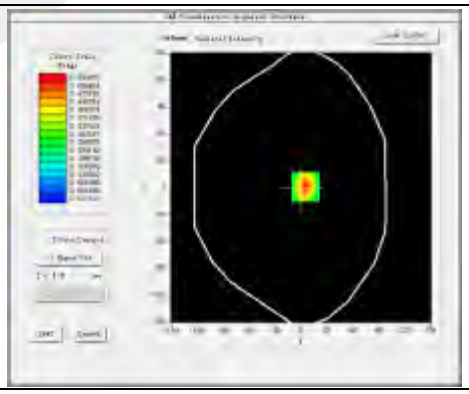
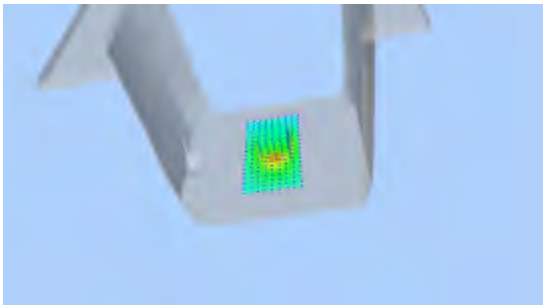
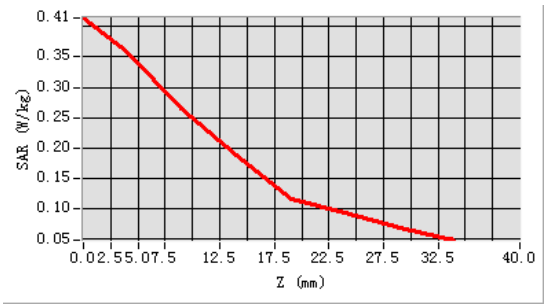
Plot 28: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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 bottom side
Band	GPRS 1900
Channels	Middle
Signal	TDMA (Crest factor: 4.0)
Frequency (MHz)	1850.2
Relative permittivity (real part)	40.00
Conductivity (S/m)	1.40
Variation (%)	-0.46

Maximum location: X=1.00, Y=1.00

SAR Peak: 0.41 W/kg

SAR 10g (W/Kg)	0.215399
SAR 1g (W/Kg)	0.346820

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

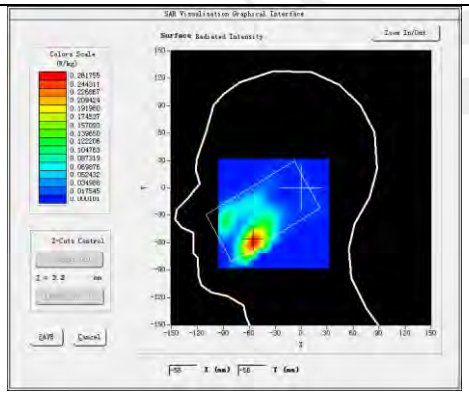
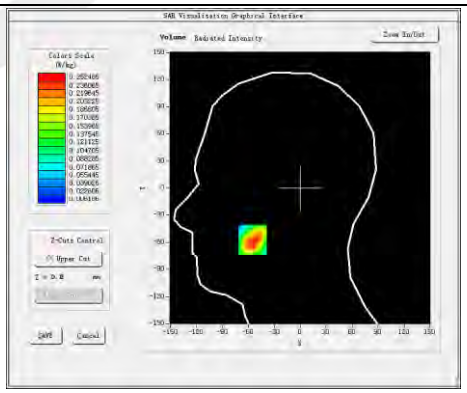
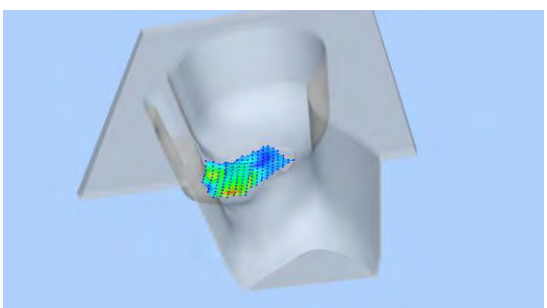
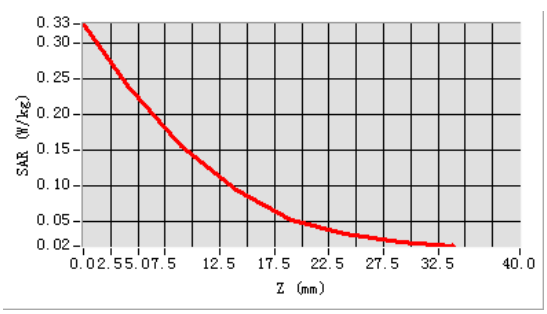
Plot 29: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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	Right head
Device Position	Cheek
Band	WCDMA II
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1880.0
Relative permittivity (real part)	39.57
Conductivity (S/m)	1.43
Variation (%)	0.64

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

SAR Peak: 0.38 W/kg

SAR 10g (W/Kg)	0.130291
SAR 1g (W/Kg)	0.244713

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

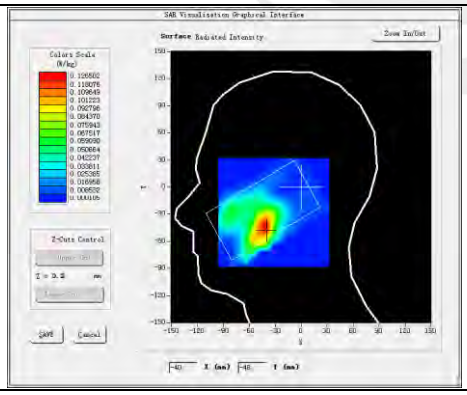
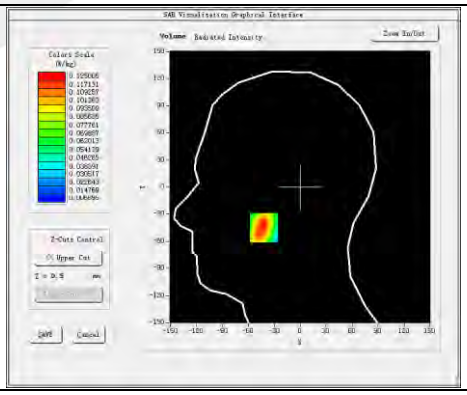
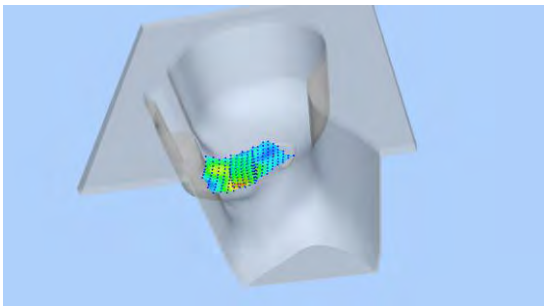
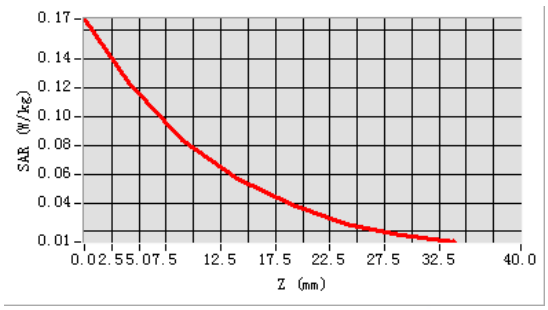
Plot 30: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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	Right head
Device Position	Tilt
Band	WCDMA II
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1880.0
Relative permittivity (real part)	39.57
Conductivity (S/m)	1.43
Variation (%)	-0.40

Maximum location: X=-42.00, Y=-45.00

SAR Peak: 0.18W/kg

SAR 10g (W/Kg)	0.070203
SAR 1g (W/Kg)	0.120568

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

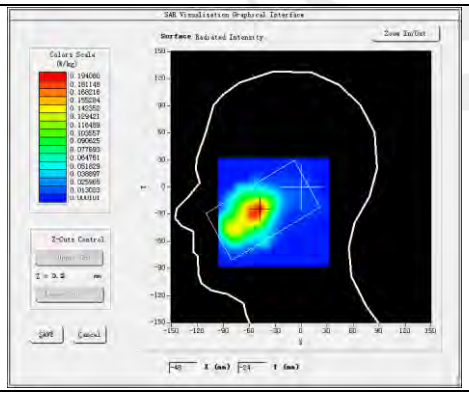
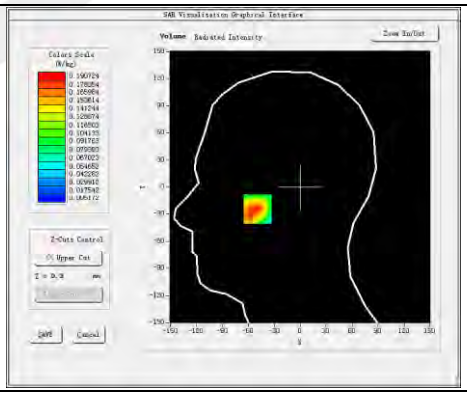
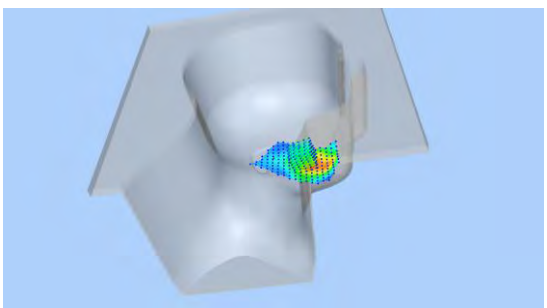
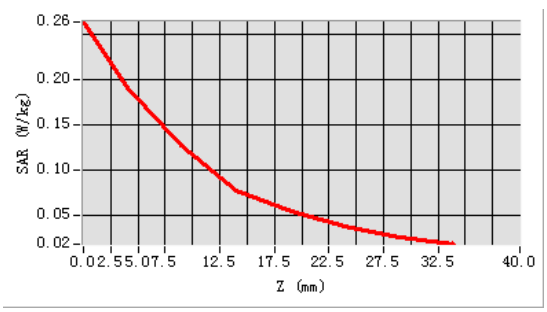
Plot 31: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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	WCDMA II
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1880.0
Relative permittivity (real part)	39.57
Conductivity (S/m)	1.43
Variation (%)	-0.12

Maximum location: X=-49.00, Y=-24.00

SAR Peak: 0.28W/kg

SAR 10g (W/Kg)	0.107410
SAR 1g (W/Kg)	0.183864

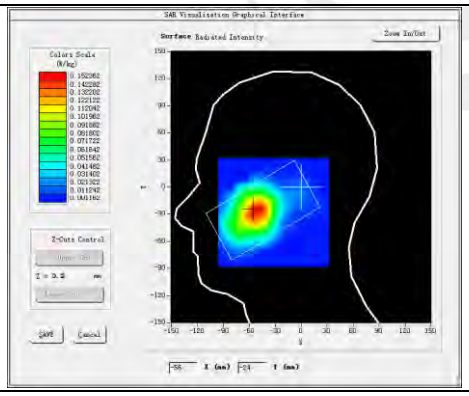
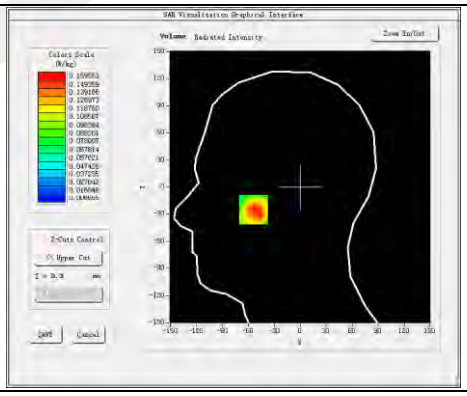
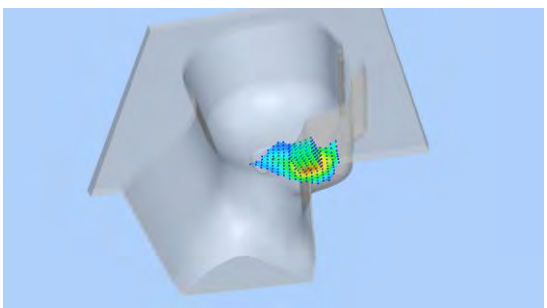
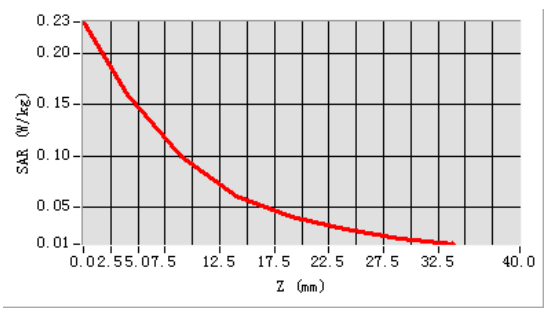
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 32: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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	Tilt
Band	WCDMA II
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1880.0
Relative permittivity (real part)	39.57
Conductivity (S/m)	1.43
Variation (%)	-2.01

Maximum location: X=-54.00, Y=-25.00
SAR Peak: 0.23 W/kg

SAR 10g (W/Kg)	0.087221
SAR 1g (W/Kg)	0.151796

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

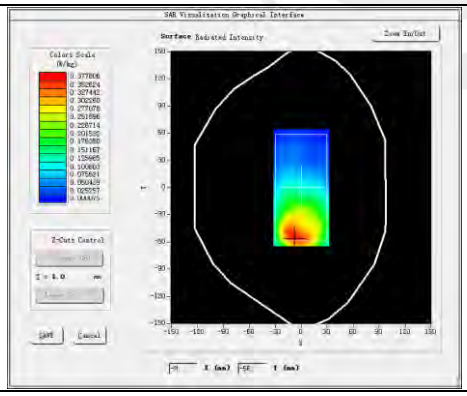
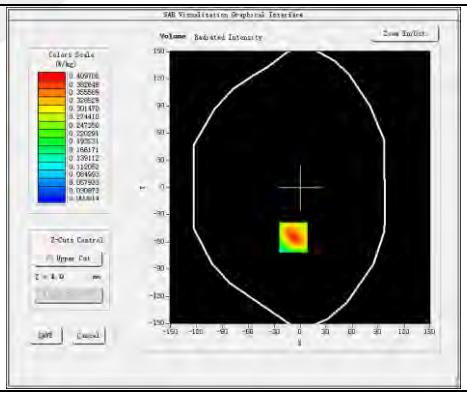
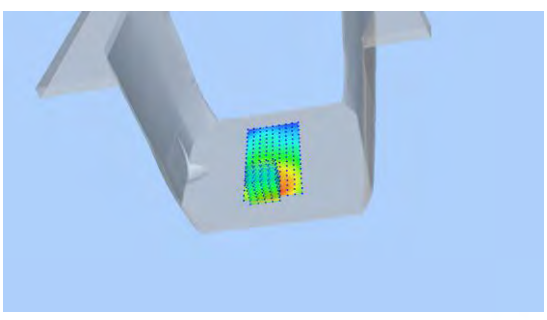
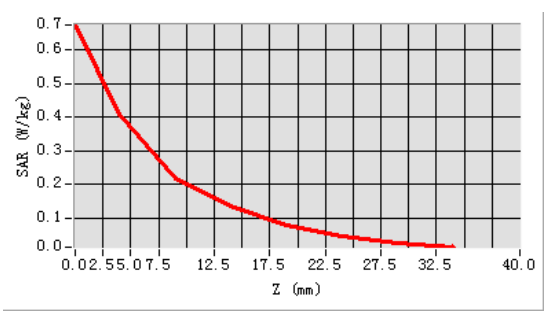
Plot 33: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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	WCDMA II
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1880.0
Relative permittivity (real part)	39.57
Conductivity (S/m)	1.43
Variation (%)	-1.18

Maximum location: X=-8.00, Y=-55.00

SAR Peak: 0.67 W/kg

SAR 10g (W/Kg)	0.210307
SAR 1g (W/Kg)	0.393248

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

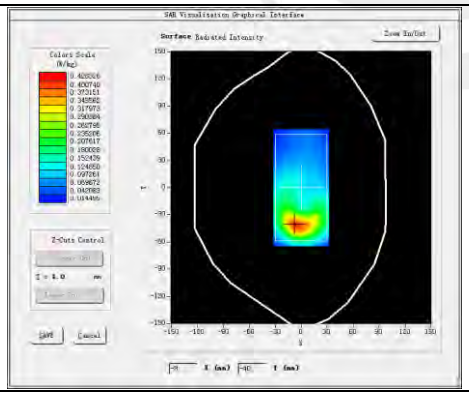
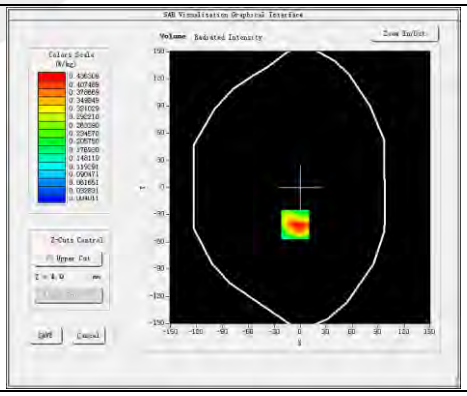
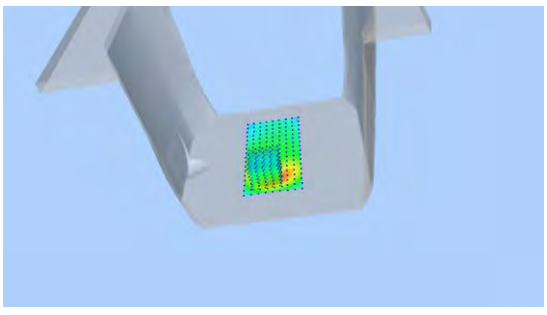
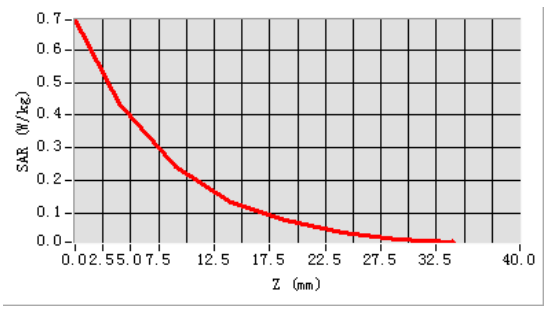
Plot 34: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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 back side
Band	WCDMA II
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1880.0
Relative permittivity (real part)	39.57
Conductivity (S/m)	1.43
Variation (%)	-0.04

Maximum location: X=-6.00, Y=-41.00

SAR Peak: 0.71 W/kg

SAR 10g (W/Kg)	0.222148
SAR 1g (W/Kg)	0.426222

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

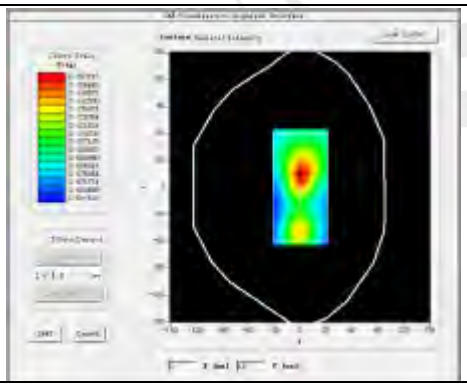
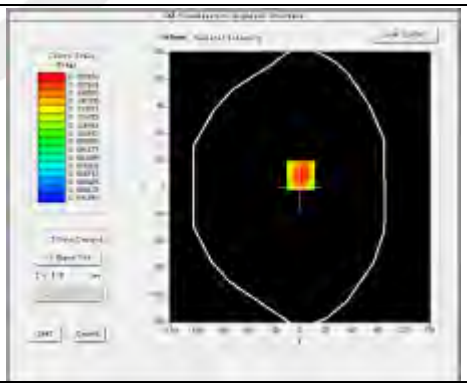
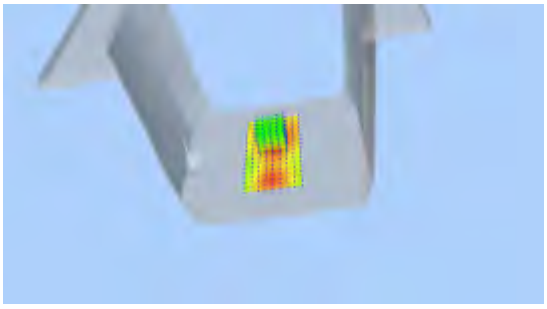
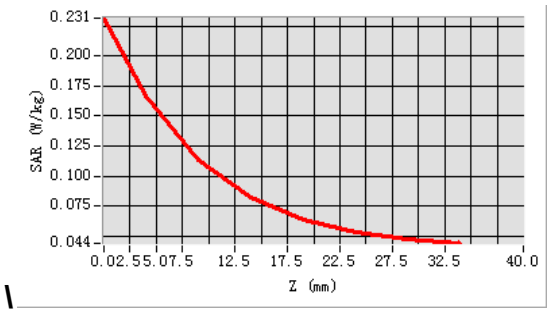
Plot 35: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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 left side
Band	WCDMA II
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1880.0
Relative permittivity (real part)	39.57
Conductivity (S/m)	1.43
Variation (%)	0.85

Maximum location: X=1.00, Y=13.00

SAR Peak: 0.23 W/kg

SAR 10g (W/Kg)	0.110195
SAR 1g (W/Kg)	0.163100

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

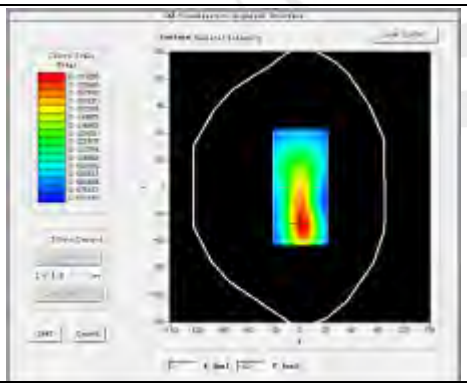
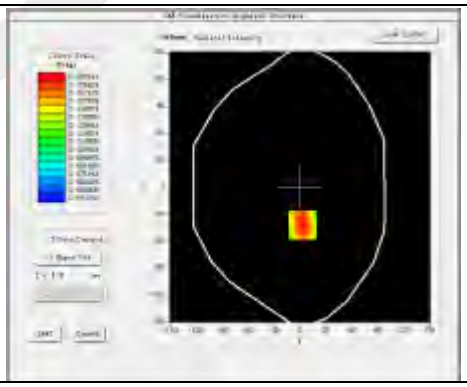
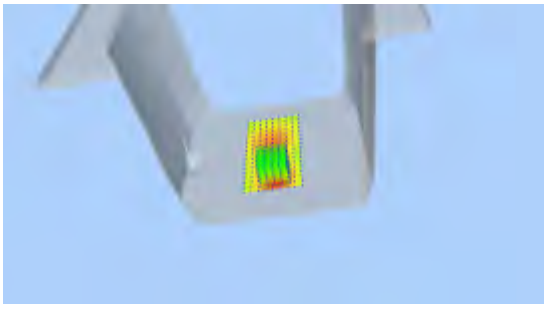
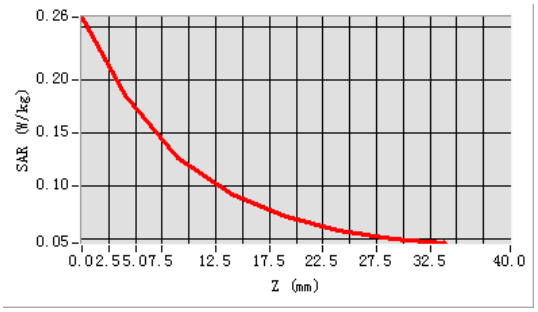
Plot 36: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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 right side
Band	WCDMA II
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1880.0
Relative permittivity (real part)	39.57
Conductivity (S/m)	1.43
Variation (%)	-2.47

Maximum location: X=3.00, Y=-42.00

SAR Peak: 0.26 W/kg

SAR 10g (W/Kg)	0.122895
SAR 1g (W/Kg)	0.182528

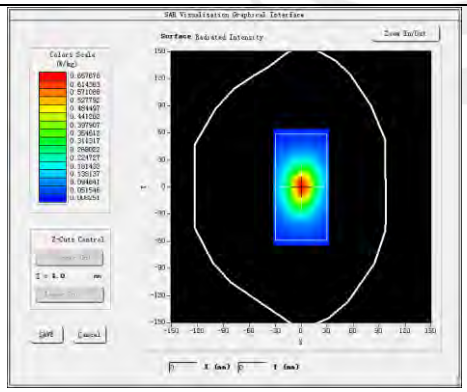
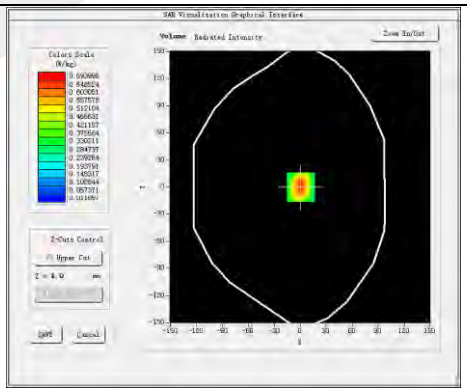
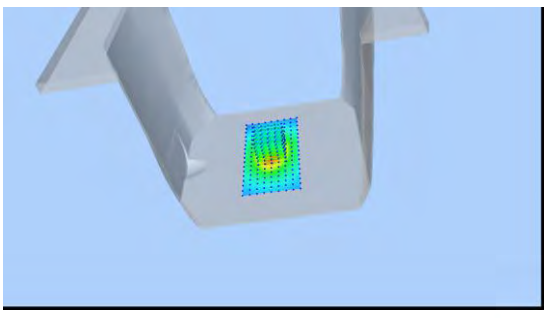
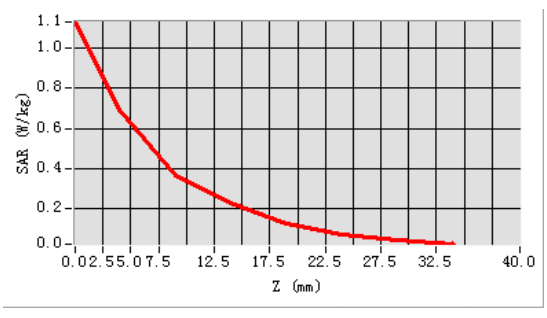
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 37: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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 bottom side
Band	WCDMA II
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1880.0
Relative permittivity (real part)	39.57
Conductivity (S/m)	1.43
Variation (%)	-2.31

Maximum location: X=1.00, Y=0.00
SAR Peak: 1.1 W/kg

SAR 10g (W/Kg)	0.336527
SAR 1g (W/Kg)	0.563947

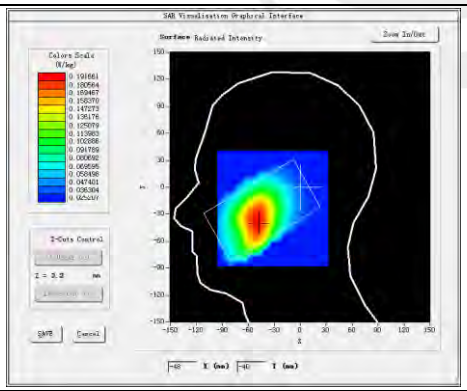
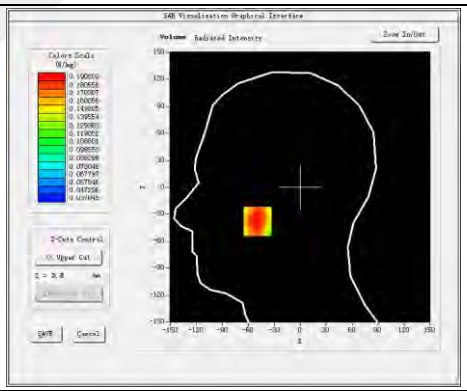
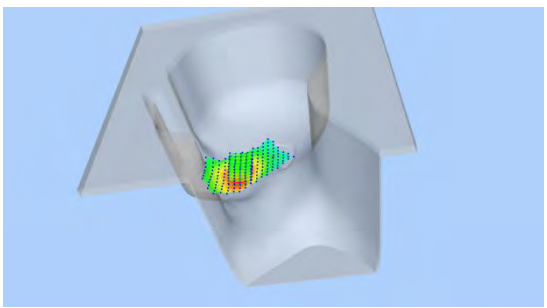
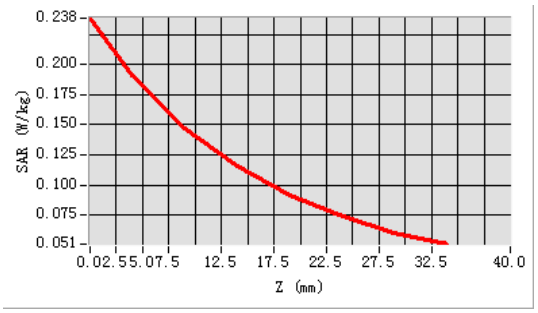
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 38: DUT: 3G MOBILE PHONE; EUT Model: E600A

Test Data	2015-02-09
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	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	Middle
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1732.6
Relative permittivity (real part)	39.57
Conductivity (S/m)	1.43
Variation (%)	2.38

Maximum location: X=-51.00, Y=-38.00
SAR Peak: 0.24W/kg

SAR 10g (W/Kg)	0.139371
SAR 1g (W/Kg)	0.188025

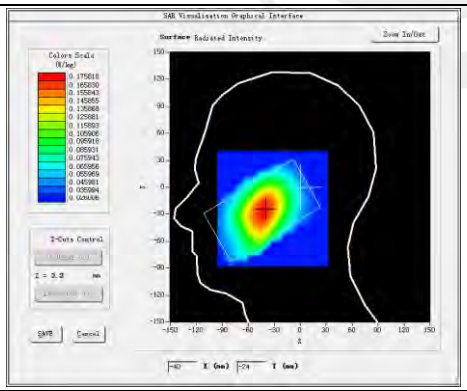
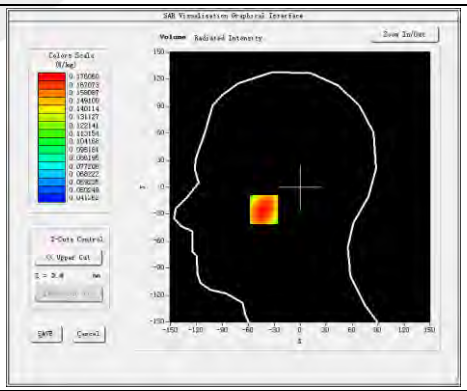
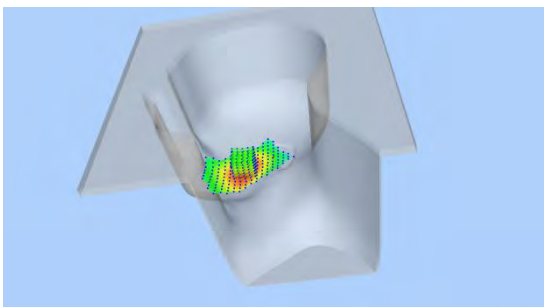
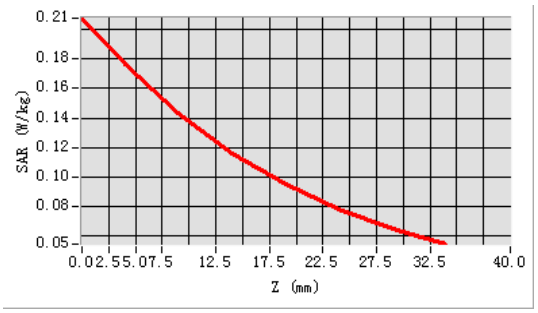
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 39: DUT: 3G MOBILE PHONE; EUT Model: E600A

Test Data	2015-02-09
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	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	Middle
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1732.6
Relative permittivity (real part)	39.57
Conductivity (S/m)	1.43
Variation (%)	-0.12

Maximum location: X=-42.00, Y=-25.00
SAR Peak: 0.21 W/kg

SAR 10g (W/Kg)	0.131579
SAR 1g (W/Kg)	0.171890

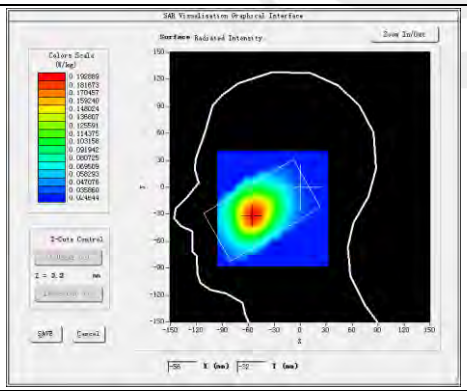
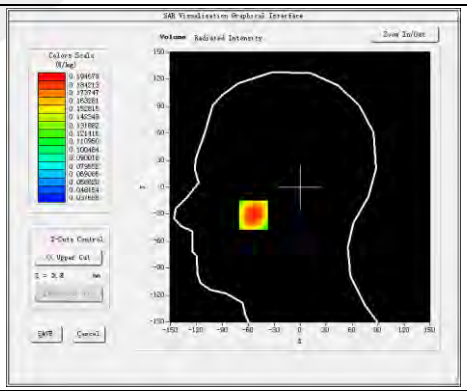
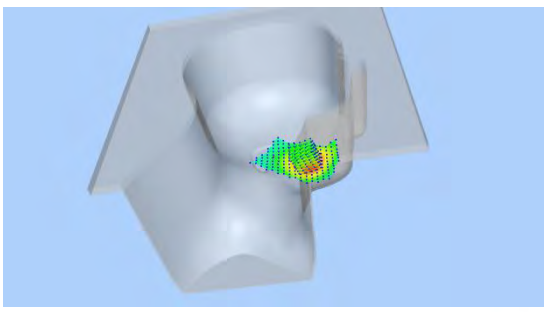
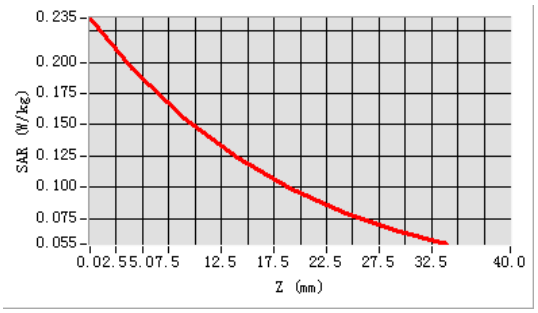
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 40: DUT: 3G MOBILE PHONE; EUT Model: E600A

Test Data	2015-02-09
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	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	Middle
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1732.6
Relative permittivity (real part)	39.57
Conductivity (S/m)	1.43
Variation (%)	0.63

Maximum location: X=-54.00, Y=-31.00
SAR Peak: 0.24 W/kg

SAR 10g (W/Kg)	0.139965
SAR 1g (W/Kg)	0.189169

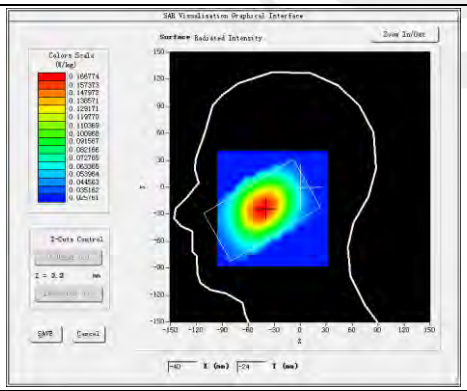
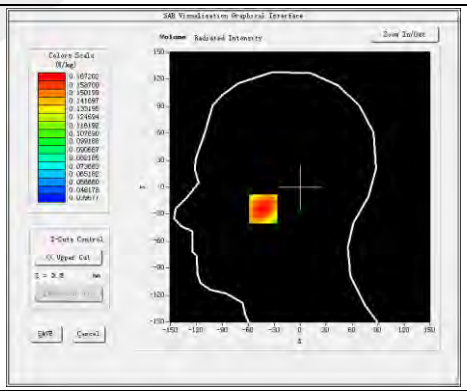
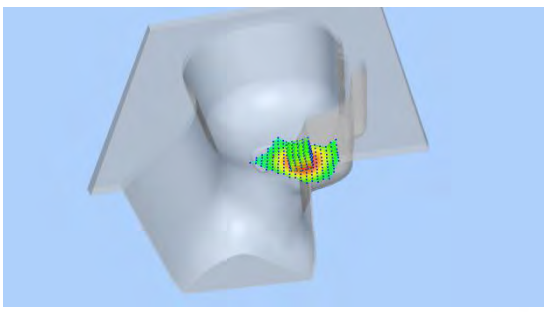
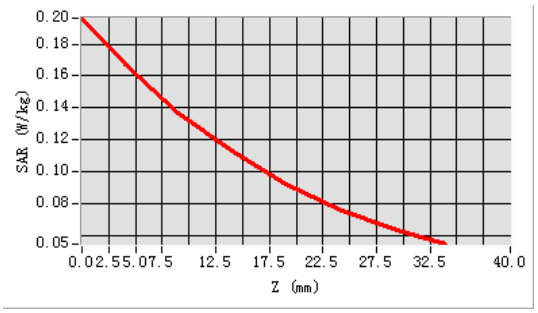
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 41: DUT: 3G MOBILE PHONE; EUT Model: E600A

Test Data	2015-02-09
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	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	Middle
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1732.6
Relative permittivity (real part)	39.57
Conductivity (S/m)	1.43
Variation (%)	-0.04

Maximum location: X=-43.00, Y=-24.00
SAR Peak: 0.20 W/kg

SAR 10g (W/Kg)	0.126072
SAR 1g (W/Kg)	0.163658

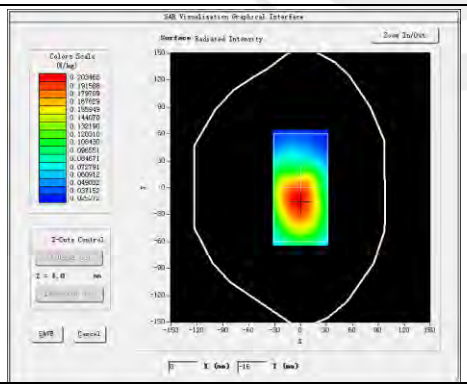
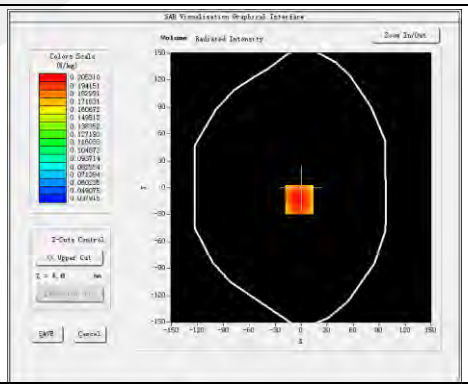
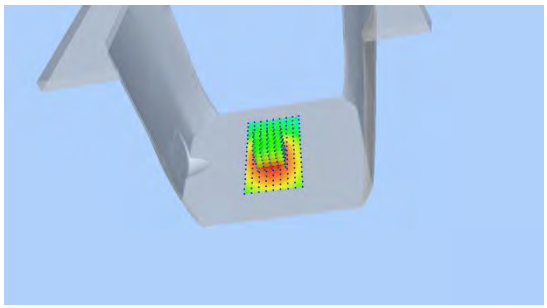
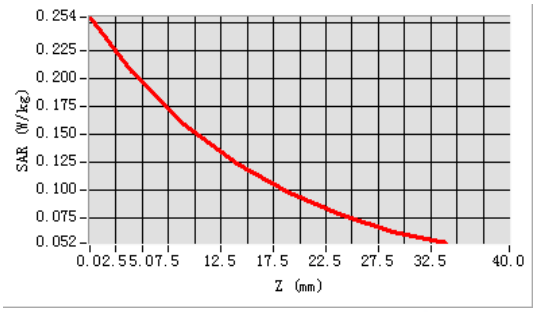
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 42: DUT: 3G MOBILE PHONE; EUT Model: E600A

Test Data	2015-02-09
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	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	Middle
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1732.6
Relative permittivity (real part)	39.71
Conductivity (S/m)	1.40
Variation (%)	0.17

Maximum location: X=-2.00, Y=-13.00
SAR Peak: 0.26 W/kg

SAR 10g (W/Kg)	0.149241
SAR 1g (W/Kg)	0.200697

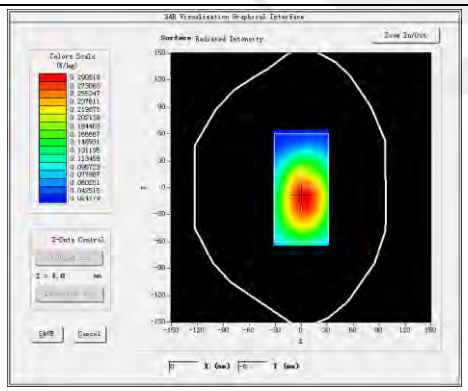
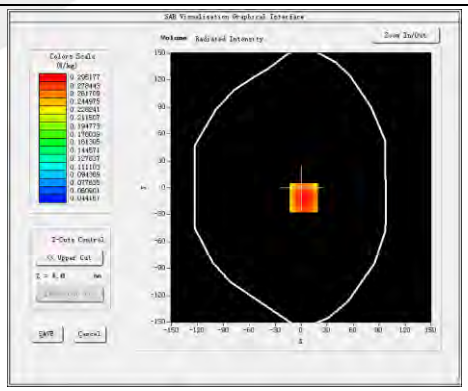
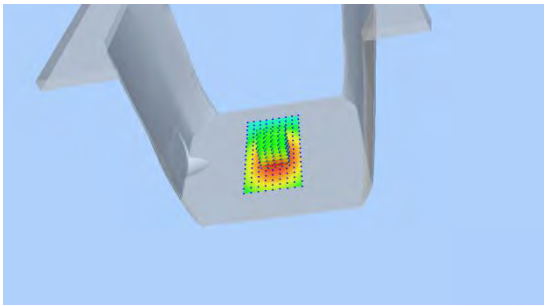
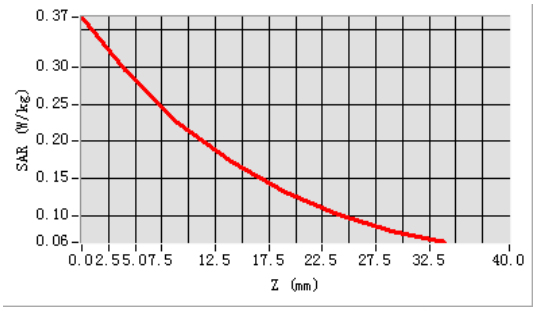
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 43: DUT: 3G MOBILE PHONE; EUT Model: E600A

Test Data	2015-02-09
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	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	WCDMA IV
Channels	Middle
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1732.6
Relative permittivity (real part)	39.71
Conductivity (S/m)	1.40
Variation (%)	-0.10

Maximum location: X=3.00, Y=-11.00
SAR Peak: 0.37 W/kg

SAR 10g (W/Kg)	0.210877
SAR 1g (W/Kg)	0.287859

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

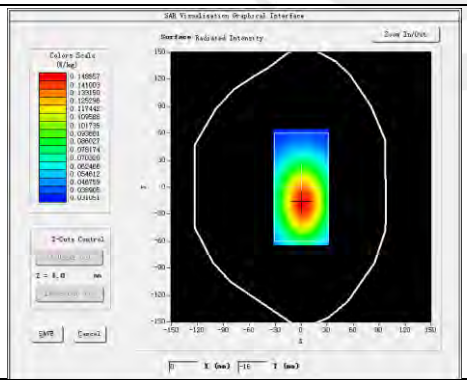
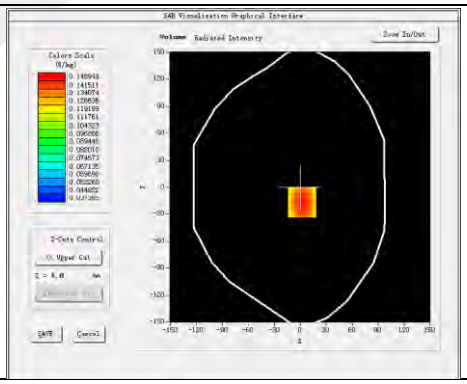
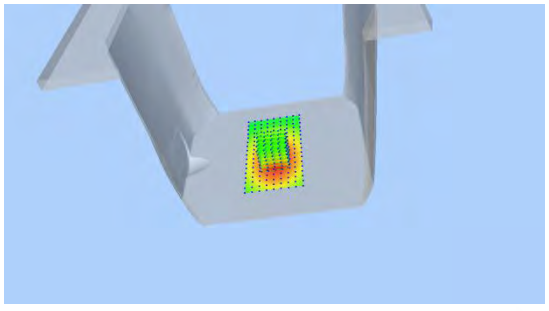
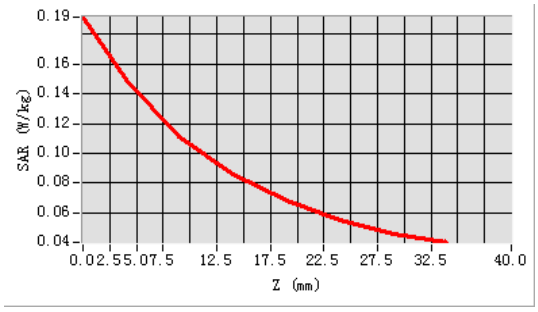
Plot 44: DUT: 3G MOBILE PHONE; EUT Model: E600A

Test Data	2015-02-09
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	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	Middle
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1732.6
Relative permittivity (real part)	39.57
Conductivity (S/m)	1.43
Variation (%)	-0.82

Maximum location: X=2.00, Y=-17.00

SAR Peak: 0.19 W/kg

SAR 10g (W/Kg)	0.106283
SAR 1g (W/Kg)	0.145453

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

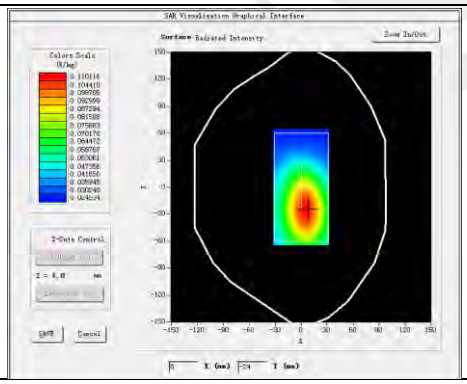
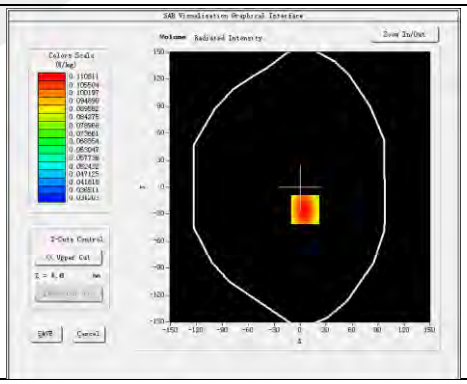
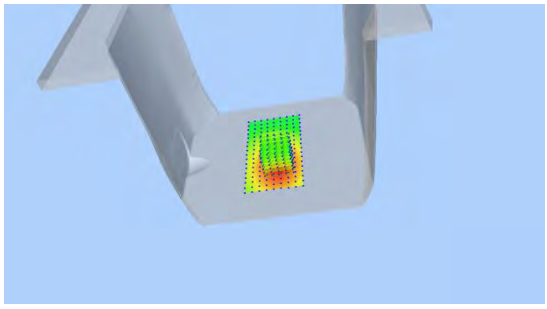
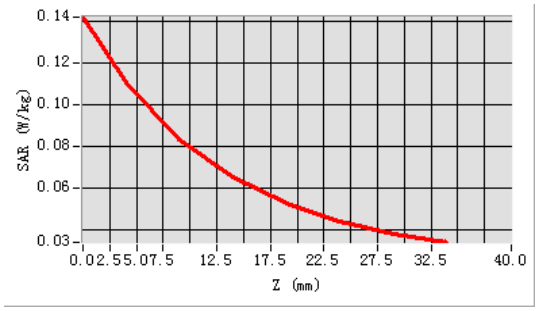
Plot 45: DUT: 3G MOBILE PHONE; EUT Model: E600A

Test Data	2015-02-09
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	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	Middle
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1732.6
Relative permittivity (real part)	39.57
Conductivity (S/m)	1.43
Variation (%)	-0.06

Maximum location: X=6.00, Y=-25.00

SAR Peak: 0.14 W/kg

SAR 10g (W/Kg)	0.079879
SAR 1g (W/Kg)	0.108373

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

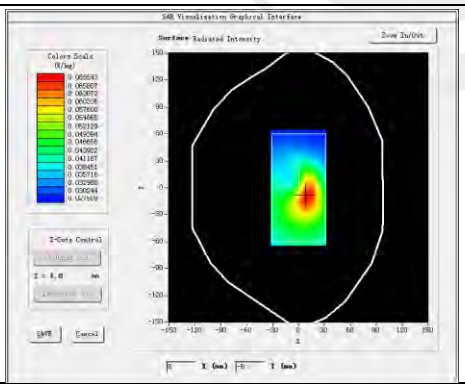
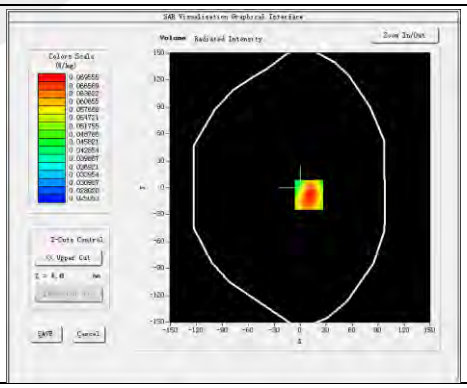
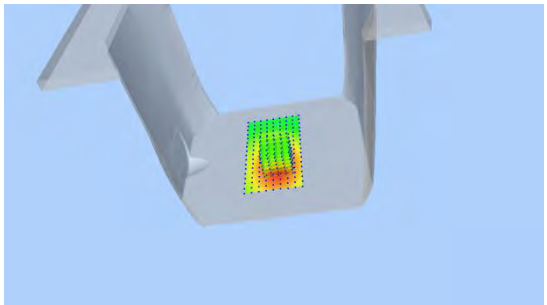
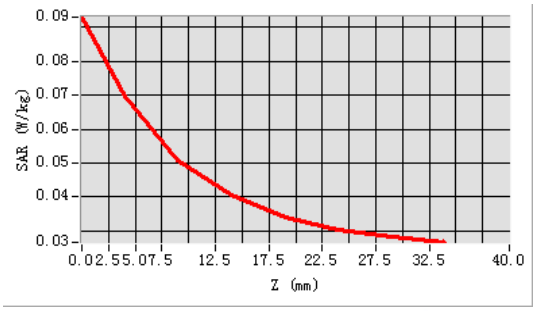
Plot 46: DUT: 3G MOBILE PHONE; EUT Model: E600A

Test Data	2015-02-09
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	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	Middle
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1732.6
Relative permittivity (real part)	39.57
Conductivity (S/m)	1.43
Variation (%)	-0.11

Maximum location: X=10.00, Y=-8.00

SAR Peak: 0.09 W/kg

SAR 10g (W/Kg)	0.050186
SAR 1g (W/Kg)	0.068003

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

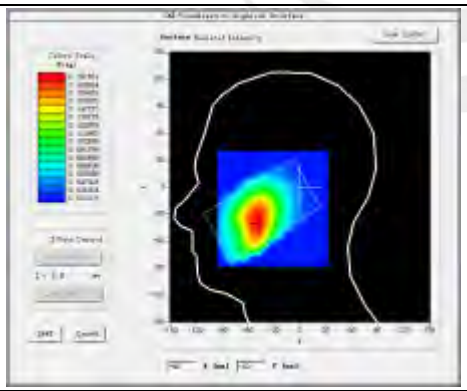
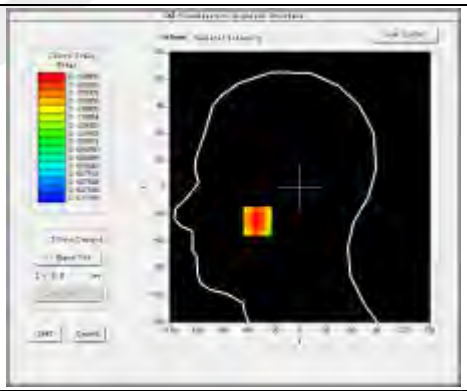
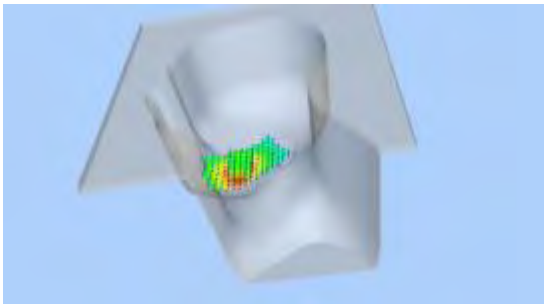
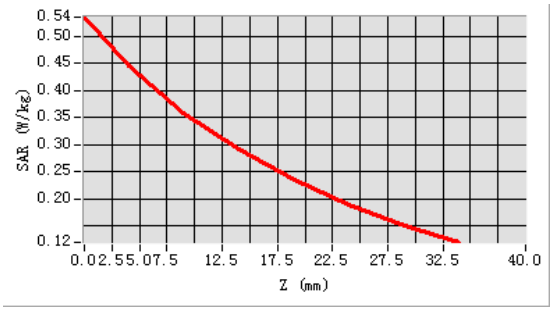
Plot 47: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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	WCDMA V
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	836.6
Relative permittivity (real part)	43.39
Conductivity (S/m)	0.92
Variation (%)	0.15

Maximum location: X=-44.00, Y=-26.00

SAR Peak: 0.54 W/kg

SAR 10g (W/Kg)	0.329343
SAR 1g (W/Kg)	0.438037

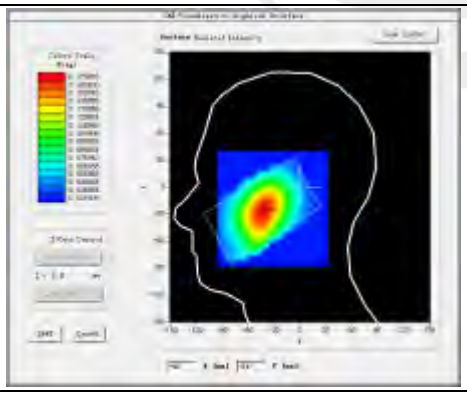
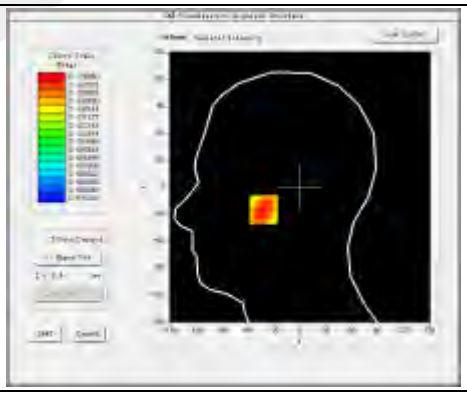
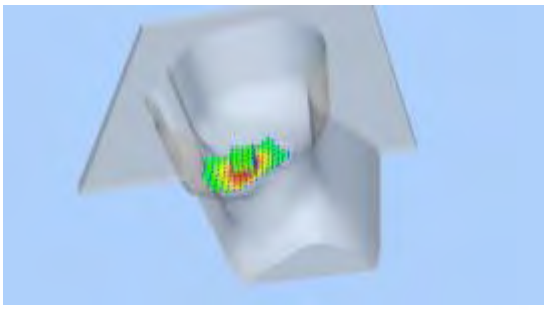
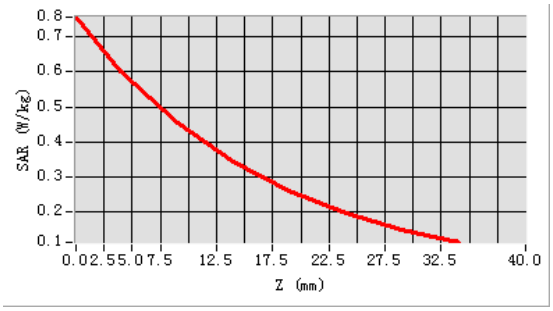
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 48: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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	Tilt
Band	WCDMA V
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	836.6
Relative permittivity (real part)	43.39
Conductivity (S/m)	0.92
Variation (%)	-1.02

Maximum location: X=5.00, Y=-19.00
SAR Peak: 0.76 W/kg

SAR 10g (W/Kg)	0.423174
SAR 1g (W/Kg)	0.587371

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

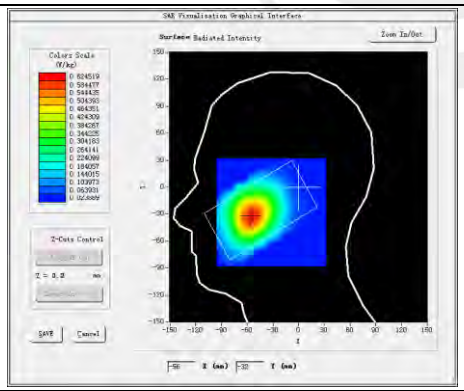
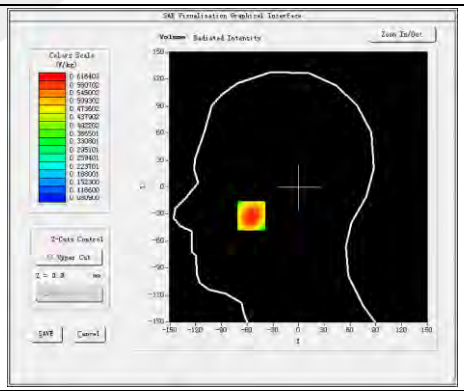
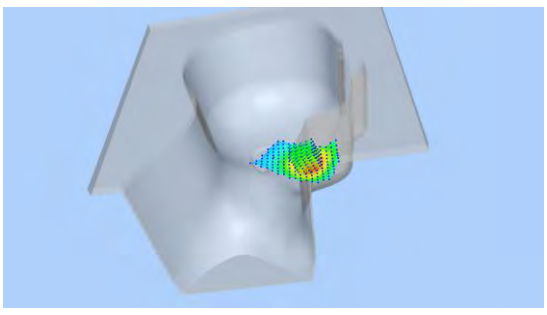
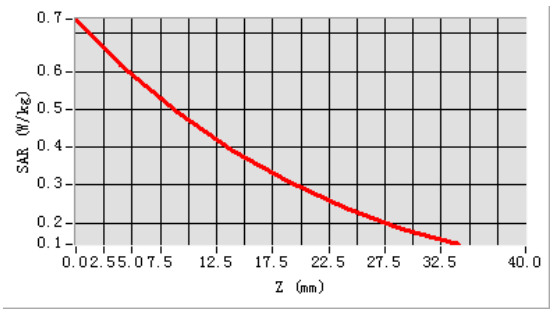
Plot 49: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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	Left head
Device Position	Cheek
Band	WCDMA V
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	836.6
Relative permittivity (real part)	43.39
Conductivity (S/m)	0.92
Variation (%)	0.60

Maximum location: X=-55.00, Y=-32.00

SAR Peak: 0.7 W/kg

SAR 10g (W/Kg)	0.337108
SAR 1g (W/Kg)	0.499185

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

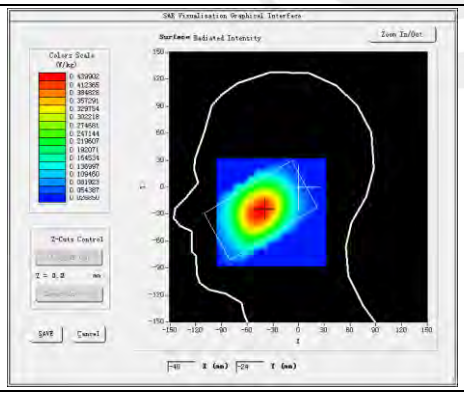
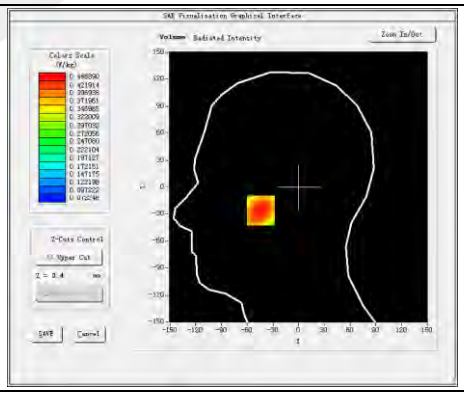
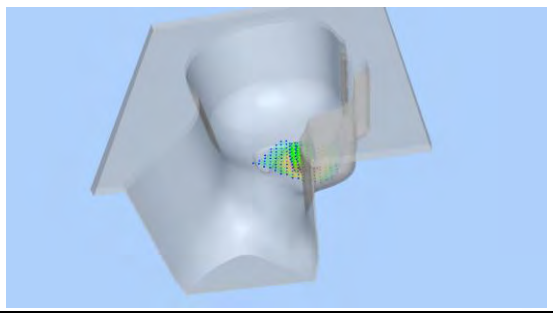
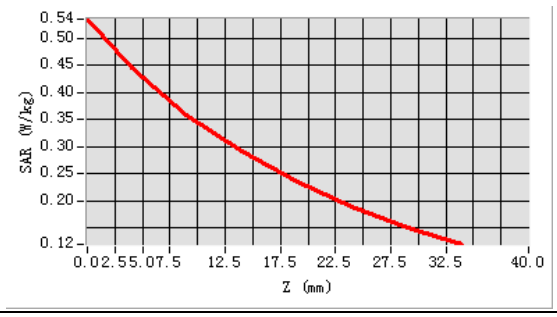
Plot 50: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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	Left head
Device Position	Tilt
Band	WCDMA V
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	836.6
Relative permittivity (real part)	43.39
Conductivity (S/m)	0.92
Variation (%)	0.25

Maximum location: X=-44.00, Y=-26.00

SAR Peak: 0.53 W/kg

SAR 10g (W/Kg)	0.303469
SAR 1g (W/Kg)	0.416356

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

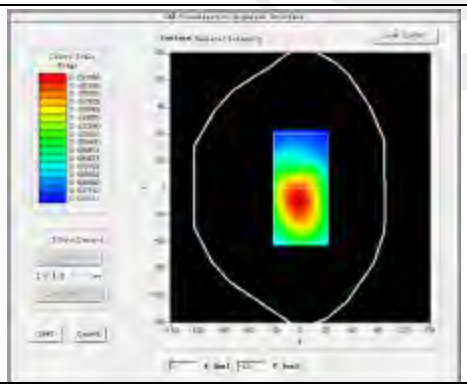
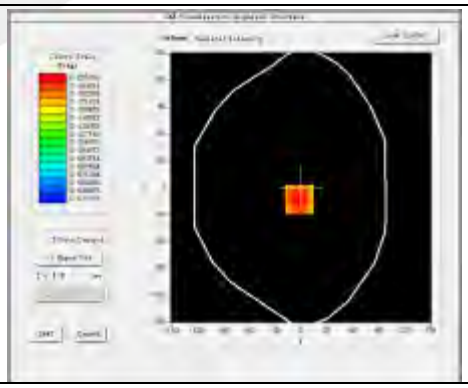
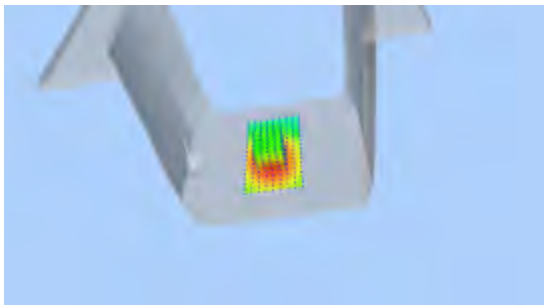
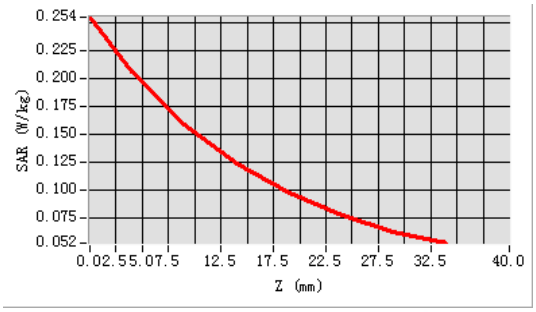
Plot 51: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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 front
Band	WCDMA V
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	836.6
Relative permittivity (real part)	43.39
Conductivity (S/m)	0.92
Variation (%)	-1.27

Maximum location: X=-2.00, Y=-13.00

SAR Peak: 0.26 W/kg

SAR 10g (W/Kg)	0.149241
SAR 1g (W/Kg)	0.200697

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

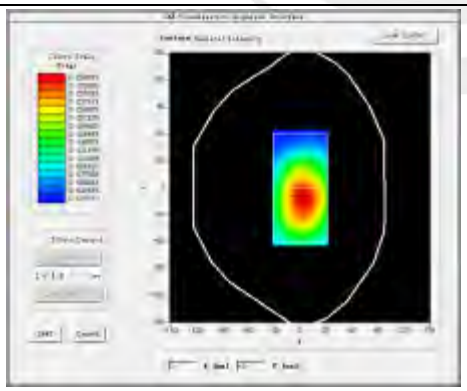
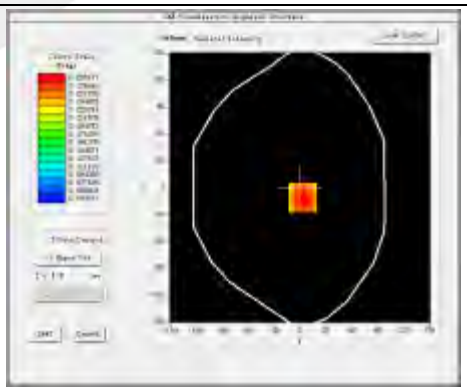
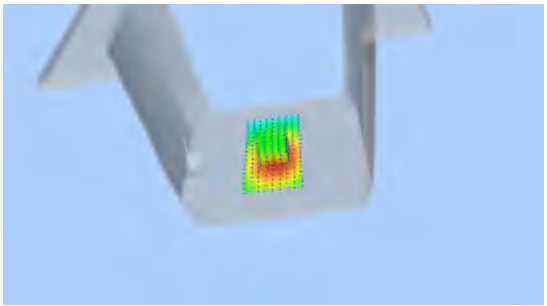
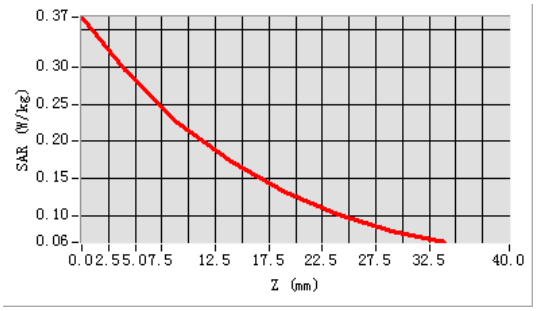
Plot 52: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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	WCDMA V
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	836.6
Relative permittivity (real part)	43.39
Conductivity (S/m)	0.92
Variation (%)	-1.40

Maximum location: X=3.00, Y=-11.00

SAR Peak: 0.37 W/kg

SAR 10g (W/Kg)	0.210877
SAR 1g (W/Kg)	0.287859

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

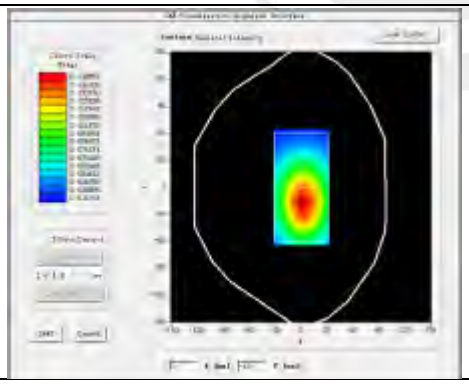
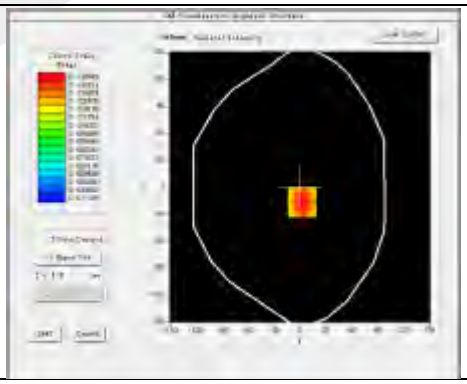
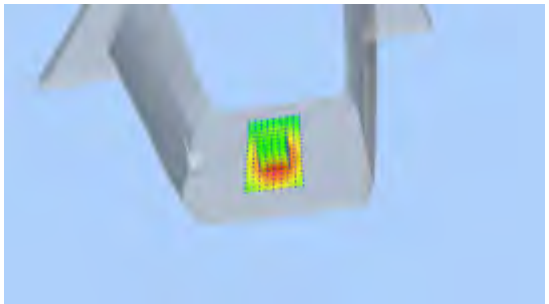
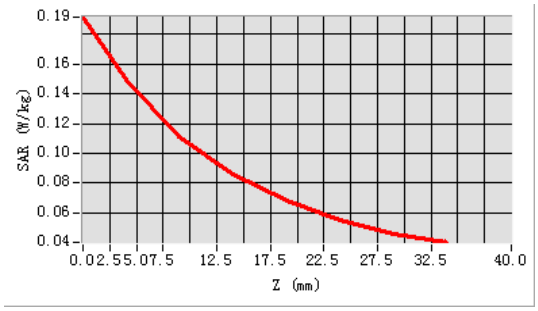
Plot 53: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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 left side
Band	WCDMA V
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	836.6
Relative permittivity (real part)	43.39
Conductivity (S/m)	0.92
Variation (%)	-0.28

Maximum location: X=2.00, Y=-17.00

SAR Peak: 0.18 W/kg

SAR 10g (W/Kg)	0.106283
SAR 1g (W/Kg)	0.135453

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

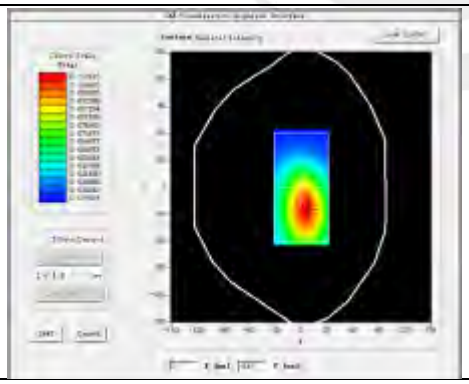
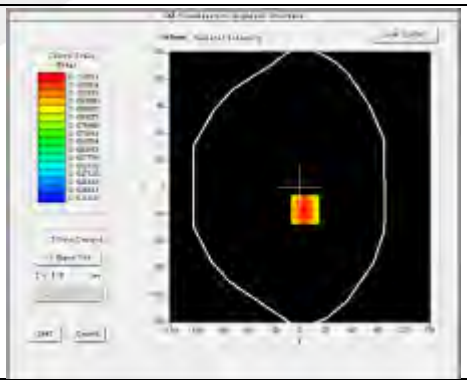
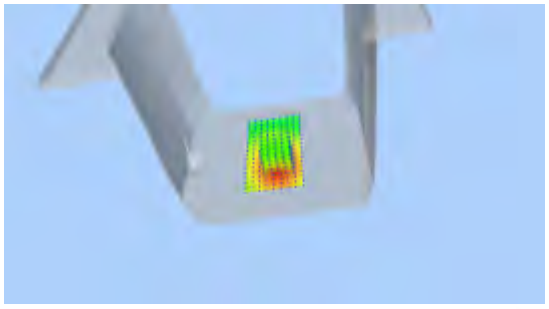
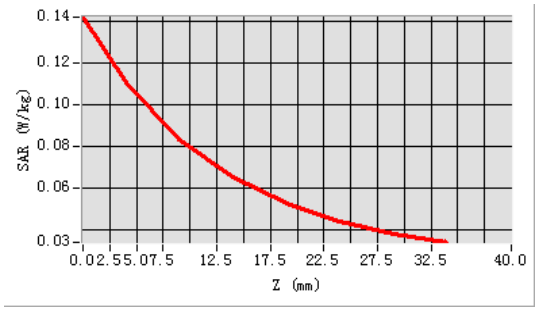
Plot 54: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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	WCDMA V
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	836.6
Relative permittivity (real part)	43.39
Conductivity (S/m)	0.92
Variation (%)	-0.16

Maximum location: X=6.00, Y=-25.00

SAR Peak: 0.13 W/kg

SAR 10g (W/Kg)	0.079879
SAR 1g (W/Kg)	0.106873

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

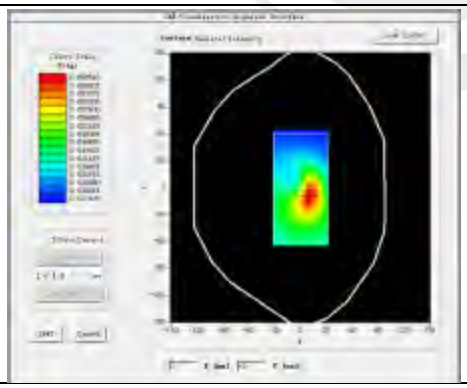
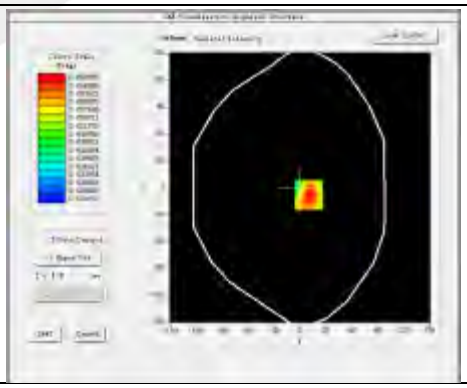
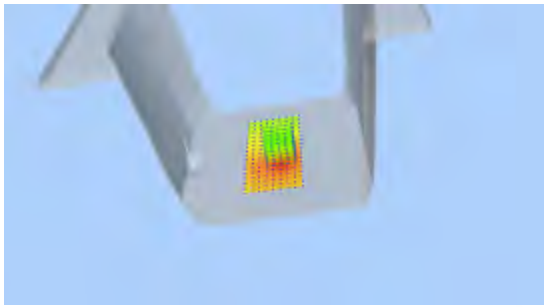
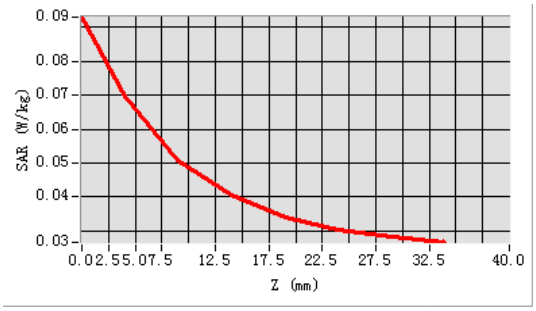
Plot 55: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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 bottom side
Band	WCDMA V
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	836.6
Relative permittivity (real part)	43.39
Conductivity (S/m)	0.92
Variation (%)	-0.11

Maximum location: X=10.00, Y=-8.00

SAR Peak: 0.09 W/kg

SAR 10g (W/Kg)	0.050186
SAR 1g (W/Kg)	0.068003

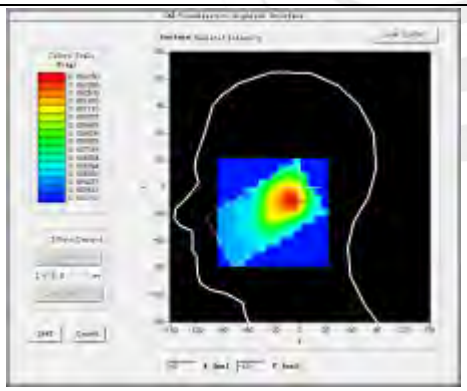
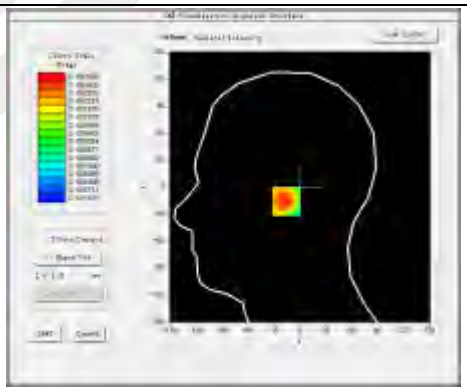
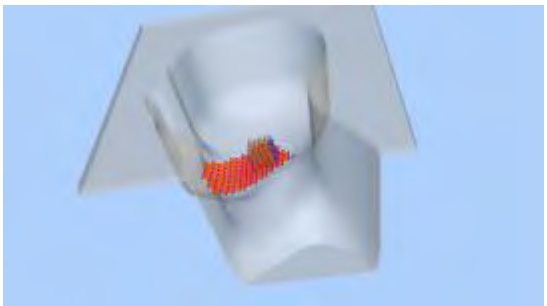
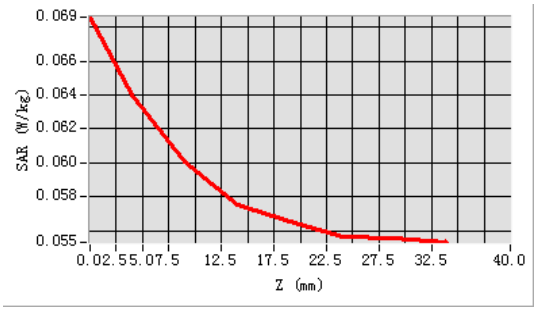
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 56: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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 802.11b ISM
Channels	Middle
Signal	IEEE802.b (Crest factor: 1.0)
Frequency (MHz)	2462
Relative permittivity (real part)	39.23
Conductivity (S/m)	1.79
Variation (%)	0.66

Maximum location: X=-9.00, Y=-16.00
SAR Peak: 0.06W/kg

SAR 10g (W/Kg)	0.036581
SAR 1g (W/Kg)	0.050552

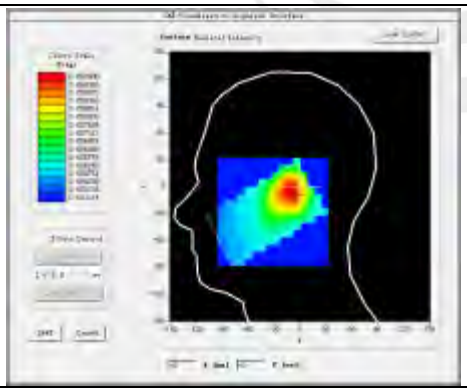
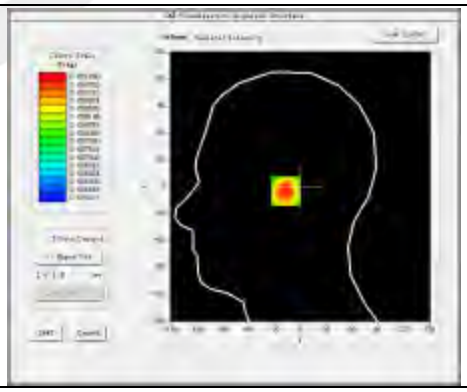
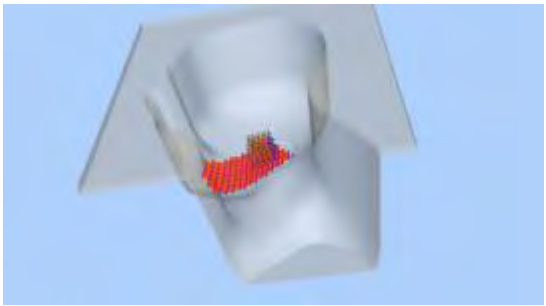
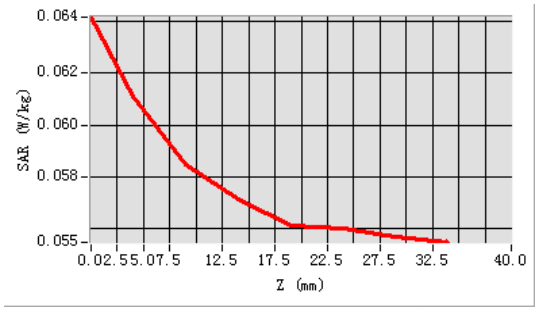
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 57: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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 802.11b ISM
Channels	Middle
Signal	IEEE802.b (Crest factor: 1.0)
Frequency (MHz)	2462
Relative permittivity (real part)	39.23
Conductivity (S/m)	1.79
Variation (%)	1.00

Maximum location: X=-12.00, Y=-5.00
SAR Peak: 0.05W/kg

SAR 10g (W/Kg)	0.032561
SAR 1g (W/Kg)	0.040292

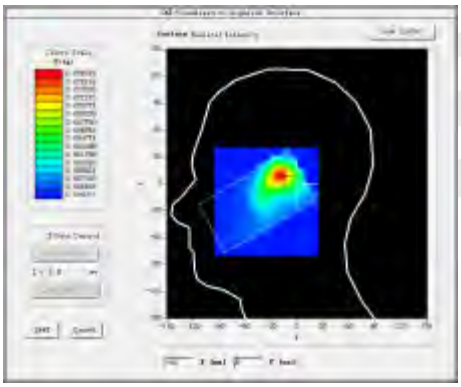
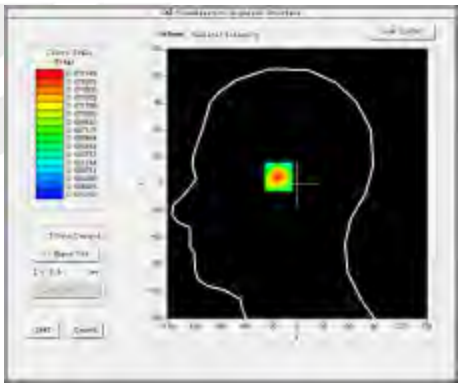
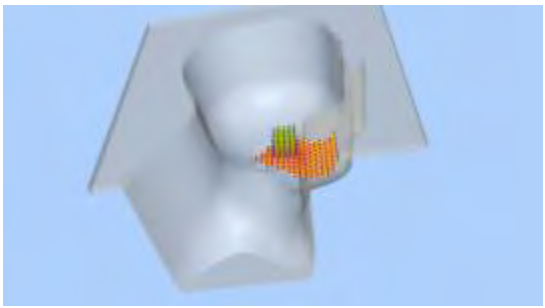
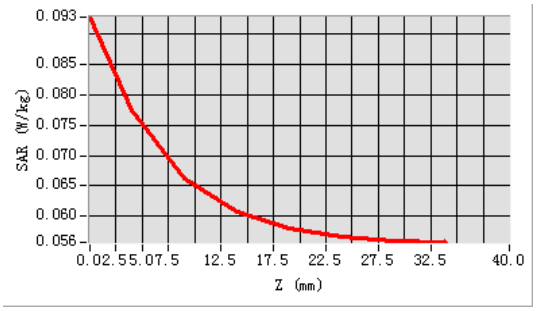
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 58: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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 802.11b ISM
Channels	Middle
Signal	IEEE802.b (Crest factor: 1.0)
Frequency (MHz)	2462
Relative permittivity (real part)	39.23
Conductivity (S/m)	1.79
Variation (%)	0.51

Maximum location: X=-19.00, Y=9.00
SAR Peak: 0.09W/kg

SAR 10g (W/Kg)	0.065216
SAR 1g (W/Kg)	0.076197

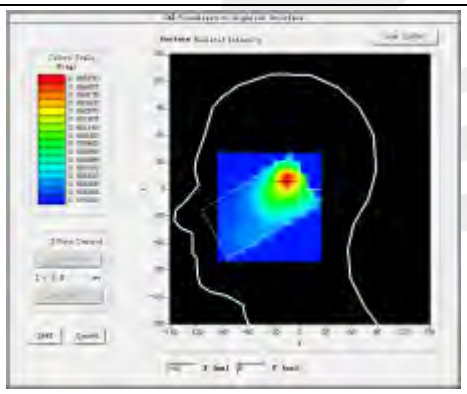
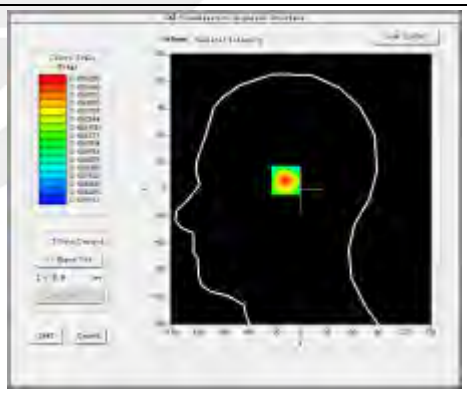
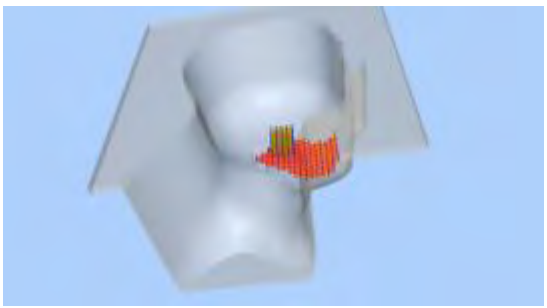
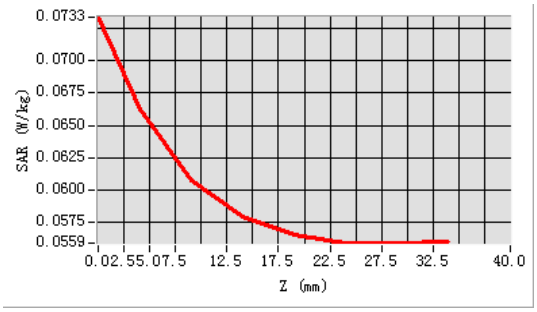
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 59: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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 802.11b ISM
Channels	Middle
Signal	IEEE802.b (Crest factor: 1.0)
Frequency (MHz)	2462
Relative permittivity (real part)	39.23
Conductivity (S/m)	1.79
Variation (%)	0.18

Maximum location: X=-15.00, Y=11.00
SAR Peak: 0.07 W/kg

SAR 10g (W/Kg)	0.035371
SAR 1g (W/Kg)	0.056052

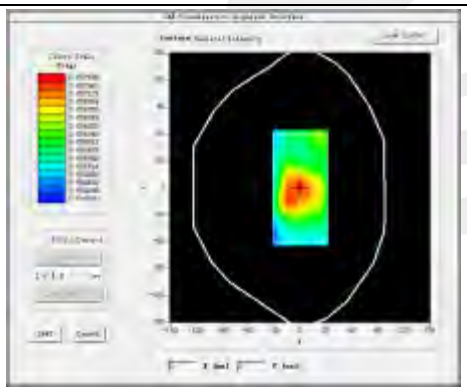
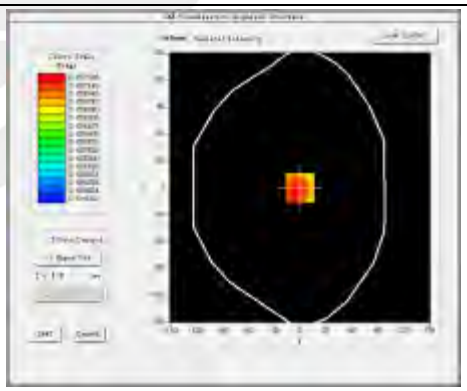
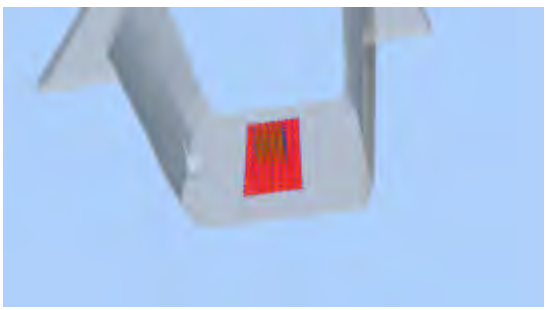
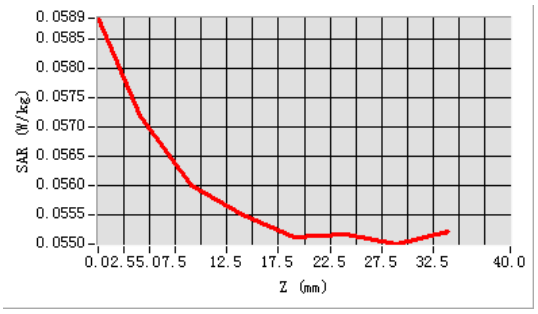
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 60: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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 802.11b ISM
Channels	Middle
Signal	IEEE802.b (Crest factor: 1.0)
Frequency (MHz)	2462
Relative permittivity (real part)	39.23
Conductivity (S/m)	1.79
Variation (%)	0.31

Maximum location: X=0.00, Y=0.00
SAR Peak: 0.06 W/kg

SAR 10g (W/Kg)	0.036178
SAR 1g (W/Kg)	0.053716

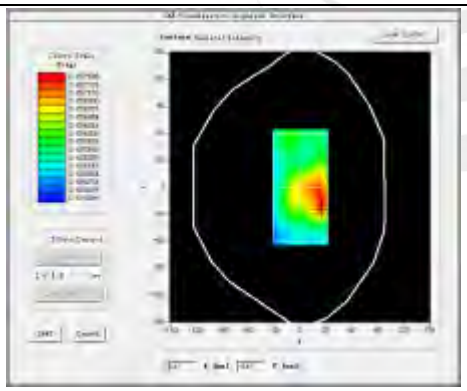
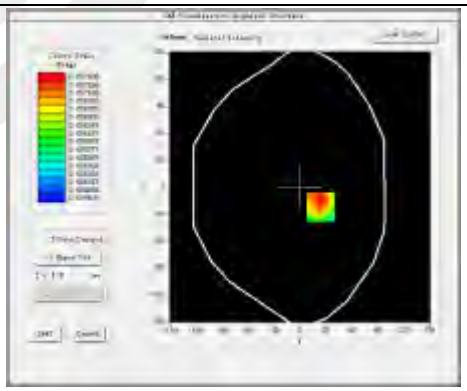
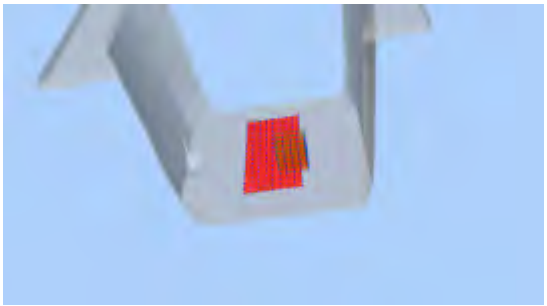
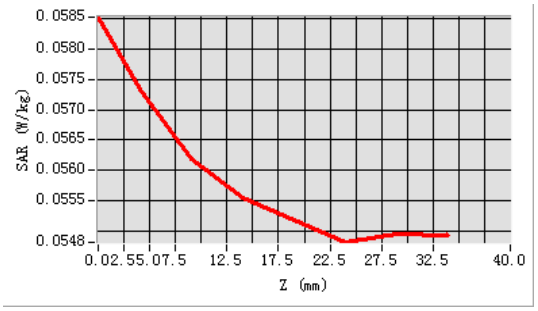
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 61: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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 802.11b ISM
Channels	Middle
Signal	IEEE802.b (Crest factor: 1.0)
Frequency (MHz)	2462
Relative permittivity (real part)	39.23
Conductivity (S/m)	1.79
Variation (%)	0.06

Maximum location: X=24.00, Y=-22.00
SAR Peak: 0.06W/kg

SAR 10g (W/Kg)	0.026122
SAR 1g (W/Kg)	0.056234

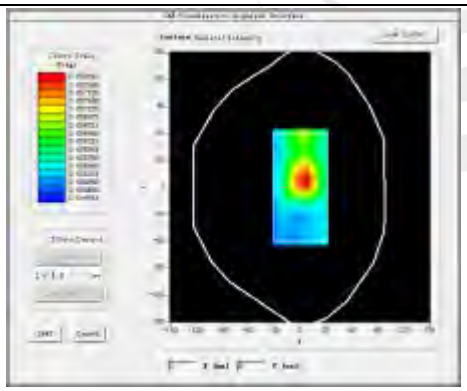
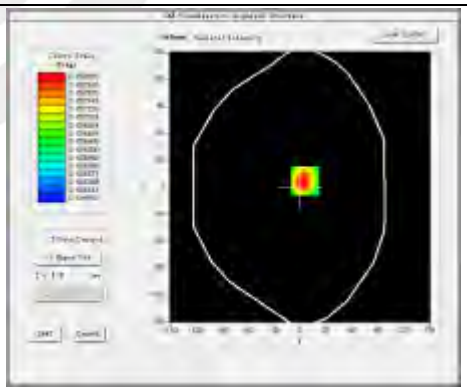
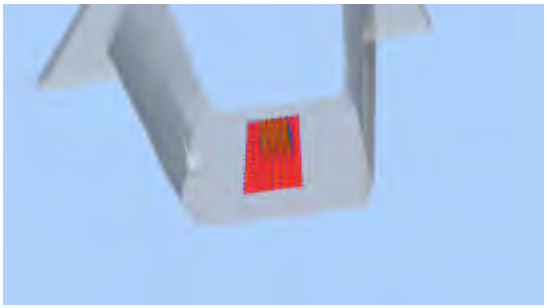
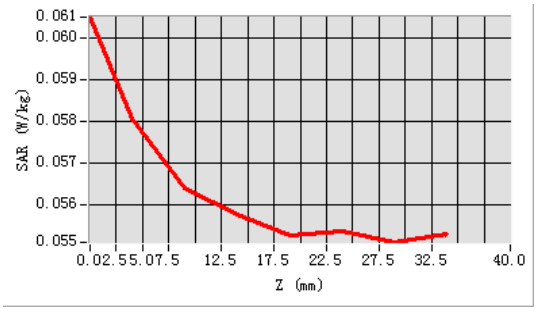
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 62: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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 right side
Band	IEEE 802.11b ISM
Channels	Middle
Signal	IEEE802.b (Crest factor: 1.0)
Frequency (MHz)	2462
Relative permittivity (real part)	39.23
Conductivity (S/m)	1.79
Variation (%)	0.27

Maximum location: X=6.00, Y=7.00
SAR Peak: 0.06W/kg

SAR 10g (W/Kg)	0.036441
SAR 1g (W/Kg)	0.052168

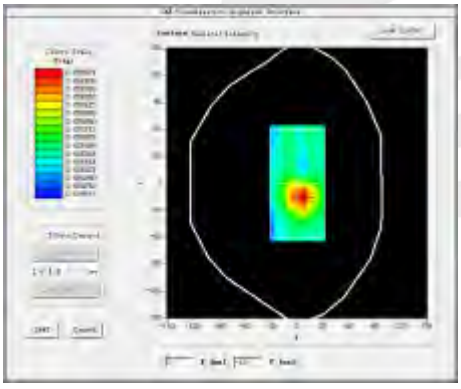
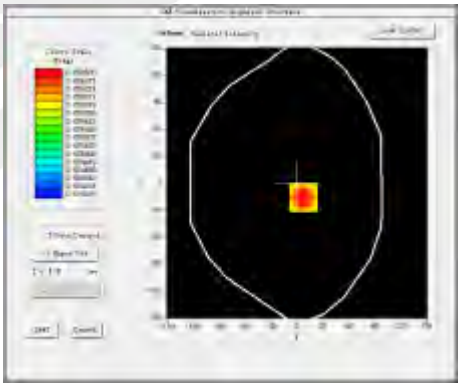
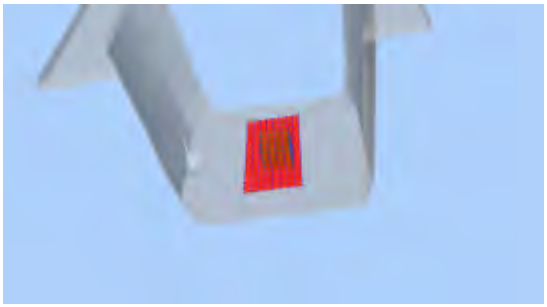
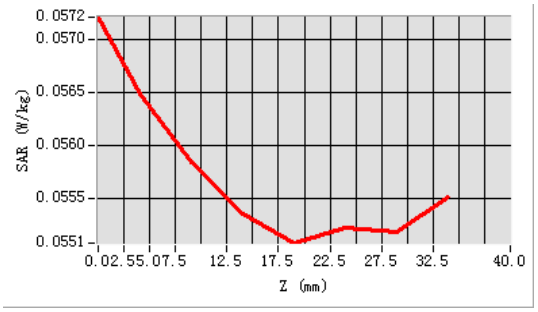
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 63: DUT: Titan Max HD; EUT Model: E600A

Test Data	2015-02-09
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 802.11b ISM
Channels	Middle
Signal	IEEE802.b (Crest factor: 1.0)
Frequency (MHz)	2462
Relative permittivity (real part)	39.23
Conductivity (S/m)	1.79
Variation (%)	0.14

Maximum location: X=7.00, Y=-16.00
SAR Peak: 0.06 W/kg

SAR 10g (W/Kg)	0.055725
SAR 1g (W/Kg)	0.053549

SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Appendix C. Probe Calibration And Dipole Calibration Report

Refer the appendix Calibration Report.