FCC SAR TEST REPORT

Report No: STS1509055H01

Issued for

Neoix, Inc

12396 World Trade Drive #303 San Diego, CA 92131

Product Name:	LTE/WCDMA/GSM MOBILE PHONE
Brand Name:	Neoix
Model No.:	RAKKAUS
Series Model:	M528001AEL
FCC ID:	2AFYC-RAKKAUS
Test Standard:	ANSI/IEEE Std. C95.1
	FCC 47 CFR Part 2 (2.1093)
	IEEE 1528: 2013
Max. SAR (1g):	Head:0.791 W/kg
	Body:1.243 W/kg

Shenzhen STS Test Services Co., Ltd.
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Test Report Certification

Applicant's name	:	Neoix, Inc
Address	:	12396 World Trade Drive #303 San Diego, CA 92131
Manufacture's Name	:	Shenzhen ODX Telecom Equipment Co., Ltd.
Address	:	2nd Floor of Building B, HongLianYing Technology Park, No.286 of SiLi Road, DaBuXiang Community, Longhua New District, Shenzhen, China

Product description

Product name	:	LTE/WCDMA/GSM MOBILE PHONE
Trademark	:	Neoix
Model and/or type reference	:	RAKKAUS
Serial Model：		M528001AEL
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	:	18 Sep. 2015
Date of Issue	:	19 Sep. 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	LTE/WCDMA/GSM MOBILE PHONE	
Brand Name	Neoix	
Model No.	RAKKAUS	
Serial Model	M528001AEL	
FCC ID	2AFYC-RAKKAUS	
Model Difference	Only different in model name	
Adapter	Input: AC100-240V,200m A, 50/60 Hz Output: DC 5V, 1500mA	
Battery	Rated Voltage: 3.8V; Charge Limit: 4.35V; Capacity: 4000mAh	
Hardware Version	HCT-T89MB-A3	
Software Version	t89b-otd-s557-hd-33gu-128g16g_LEAGOO_OS_5.1_Elite5_R14_0624_release	
Frequency Range	GSM 850:824.2~848.8MHz PCS1900:1850.2~1909.8MHz WCDMA Band II:1852.4~1907.6MHz WCDMA Band V:826.4~846.6MHz LTE Band 2:1850.7~1909.3MHz LTE Band 4:1710.7~1754.3MHz	LTE Band 5:824~849MHz LTE Band 7:2502.5~2567.5MHz LTE Band 17:706.5~713.5MHz WLAN 802.11b/g/n(HT20):2412~2462MHz WLAN 802.11n(HT40):2422~2452MHz Bluetooth:2402~ 2480MHz
Transmit Power(MAX):	GSM 850: 31.62 dBm GSM 1900: 29.12 dBm WCDMA Band II: 22.94 dBm WCDMA Band V: 22.72 dBm LTE Band 2: 22.68 dBm LTE Band 4: 22.71 dBm LTE Band 5: 22.38 dBm	LTE Band 7: 22.42 dBm LTE Band 17: 22.76 dBm 802.11b: 15.3 dBm 802.11g: 11.7 dBm 802.11n(HT20): 11.7 dBm 802.11n(HT40): 11.8 dBm Bluetooth: 4.163 dBm
Max. Reported SAR(1g):	Head: GSM 850: 0.222 W/kg GSM 1900: 0.293 W/kg WCDMA Band II: 0.559 W/kg WCDMA Band V: 0.199 W/kg LTE Band 2: 0.791 W/kg LTE Band 4: 0.720 W/kg LTE Band 5: 0.306 W/kg LTE Band 7: 0.547 W/kg LTE Band 17: 0.242 W/kg WIFI: 0.503 W/kg	Body: GSM 850: 0.442 W/kg GSM 1900: 0.781 W/kg WCDMA Band II: 1.243 W/kg WCDMA Band V: 0.357 W/kg LTE Band 2: 1.000 W/kg LTE Band 4: 0.854 W/kg LTE Band 5: 0.474 W/kg LTE Band 7: 0.662 W/kg LTE Band 17: 0.478 W/kg WIFI: 0.263 W/kg
Operating Mode:	GSM: GSM Voice; GPRS Class 12; WCDMA:RMC,HSDPA,HSUPA Release 6; LTE:QPSK,16QAM; WLAN: 802.11 b/g/n(HT20) /n(HT40); Bluetooth: V4.1 + EDR (GFSK +π/4DQPSK+8DPSK) ;	
Antenna Specification:	GSM,WCDMA,LTE: PIFA Antenna BT,WIFI: PIFA Antenna	
SIM Card	Support dual-SIM, dual standby, the multiple SIM card with two lines cannot transmitting at the same time	
Hotspot Mode:	Support	
DTM Mode:	Not Support	

1.2 Test Environment

Ambient conditions in the SAR laboratory:

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

1.3 Test Facility

Shenzhen STS Test Services Co., Ltd.
Add. : 1/F, Building B, Zhuoke Science Park,No.190, Chongqing Road, Fuyong, Baoan District, Shenzhen, Guangdong, China
CNAS Registration No.: L7649;
FCC Registration No.: 842334;
IC Registration No.: 12108A-1

2. Test Standards And Limits

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

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

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

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

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

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

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

Population/Uncontrolled Environments:
are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure.

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

NOTE

GENERAL POPULATION/UNCONTROLLED EXPOSURE

PARTIAL BODY LIMIT

1.6 W/kg

3. SAR Measurement System

3.1 Definition Of Specific Absorption Rate (SAR)

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

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

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

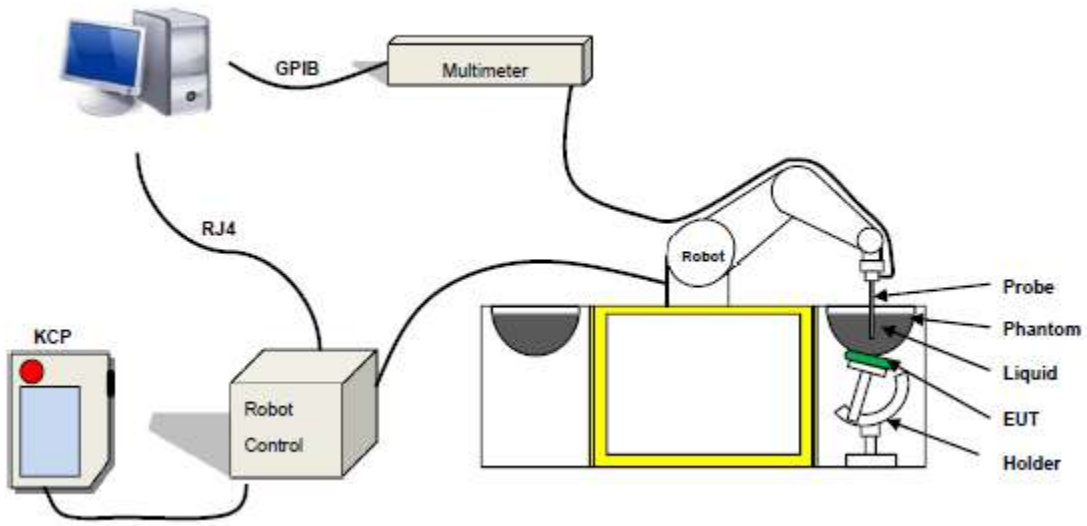
SAR is expressed in units of Watts per kilogram (W/kg) SAR measurement can be related to the electrical field in the tissue by

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

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

3.2 SAR System

SATIMO SAR System Diagram:



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

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

The following figure shows the system.

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

3.2.1 Probe

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

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

Angle between probe axis (evaluation axis) and suface normal line:less than 30°

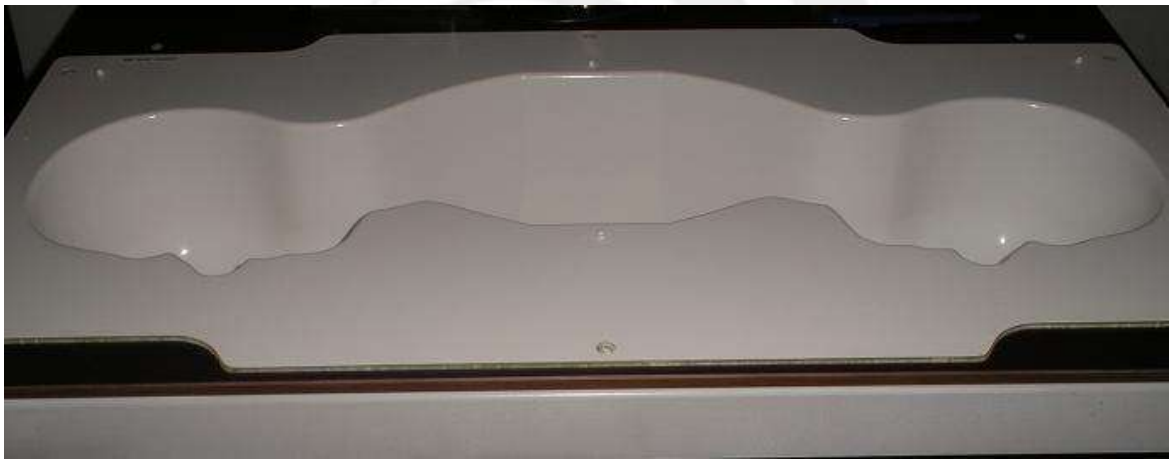
Figure 1 – *Satimo COMOSAR Dosimetric E field Dipole*

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. 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: Sep 18, 2015 **Ambient condition:** Temperature 22.7°C **Relative humidity:** 49%

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

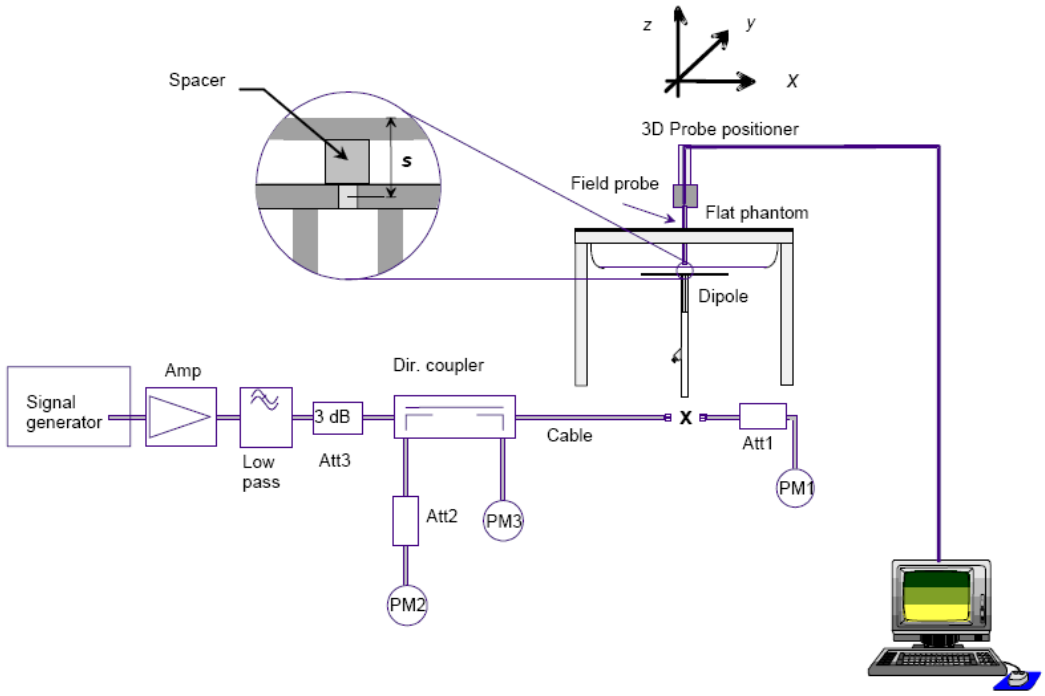
Body Simulating Liquid		Parameters	Target	Measured	Deviation[%]	Limited[%]
Frequency	Temp. [°C]					
750 MHz	22.30	Permitivity:	55.50	55.26	-0.43	± 5
		Conductivity:	0.96	0.91	-5.21	± 5
835 MHz	22.30	Permitivity:	55.20	54.7	-0.91	± 5
		Conductivity:	0.97	0.98	1.03	± 5
1800 MHz	22.30	Permitivity:	53.40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

5. SAR System Validation

5.1 Validation System

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

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



5.2 Validation Result

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

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

Freq.(MHz)	Power(mW)	Tested Value (W/Kg)	Normalized SAR (W/kg)	Target(W/Kg)	Tolerance(%)	Date
750 Head	100	0.838	8.38	8.49	-1.30	2015-09-18
750 Body	100	0.856	8.56	8.49	0.82	2015-09-18
835 Head	100	0.937	9.37	9.56	-1.99	2015-09-18
835 Body	100	0.947	9.47	9.56	-0.94	2015-09-18
1800 Head	100	3.76	37.6	38.4	-2.08	2015-09-18
1800 Body	100	3.88	38.8	38.4	1.04	2015-09-18
1900 Head	100	3.86	38.6	39.8	-3.02	2015-09-18
1900 Body	100	3.987	39.87	39.8	0.18	2015-09-18
2450 Head	100	5.593	55.93	52.4	6.74	2015-09-18
2450 Body	100	4.864	48.64	52.4	-7.18	2015-09-18

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 mobile phone, support GSM mode.

WWAN Antenna

WIFI/BT Antenna

7.1 SAR TEST EXCLUSION CONSIDER TABLE

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

Band	Test position configurations					
	Front	Back	Right edge	Left edge	Top edge	Bottom edge
GSM850	＜5mm	＜5mm	＜5mm	23mm	133mm	＜5mm
	Yes	Yes	Yes	Yes	No	Yes
GSM1900	＜5mm	＜5mm	＜5mm	23mm	133mm	＜5mm
	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band II	＜5mm	＜5mm	＜5mm	23mm	133mm	＜5mm
	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band V	＜5mm	＜5mm	＜5mm	23mm	133mm	＜5mm
	Yes	Yes	Yes	Yes	No	Yes
LTE Band 2	＜5mm	＜5mm	＜5mm	23mm	133mm	＜5mm
	Yes	Yes	Yes	Yes	No	Yes
LTE Band 4	＜5mm	＜5mm	＜5mm	23mm	133mm	＜5mm
	Yes	Yes	Yes	Yes	No	Yes
LTE Band 5	＜5mm	＜5mm	＜5mm	23mm	133mm	＜5mm
	Yes	Yes	Yes	Yes	No	Yes
LTE Band 7	＜5mm	＜5mm	＜5mm	23mm	133mm	＜5mm
	Yes	Yes	Yes	Yes	No	Yes
LTE Band 17	＜5mm	＜5mm	＜5mm	23mm	133mm	＜5mm
	Yes	Yes	Yes	Yes	No	Yes
WLAN	＜5mm	＜5mm	54mm	＜5mm	＜5mm	129mm
	Yes	Yes	No	Yes	Yes	No
Bluetooth	＜5mm	＜5mm	54mm	＜5mm	＜5mm	129mm
	Yes	Yes	No	Yes	Yes	No

Note：

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

mm)]*[√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

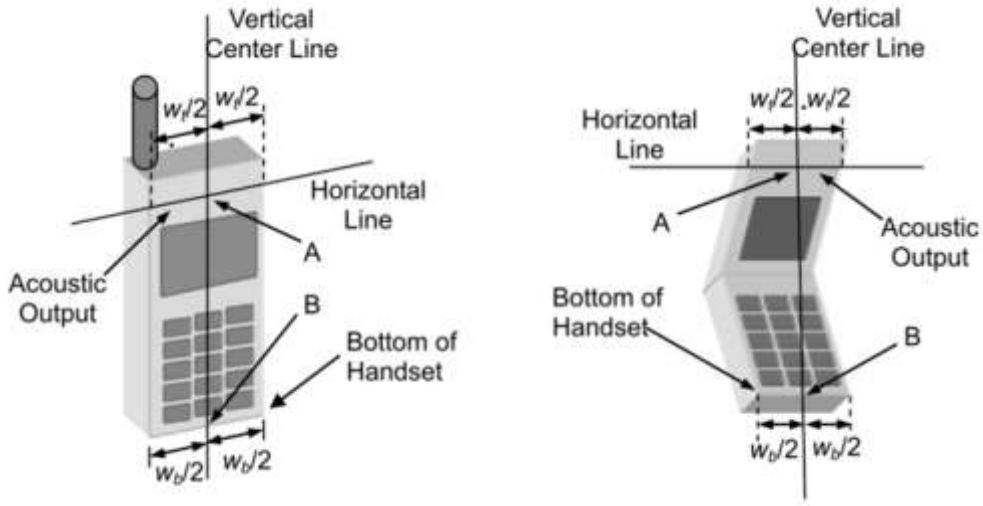
5. per KDB 447498 D01v05r02, at 100 MHz to 6GHz and for test separation distances >50mm, the SAR test exclusion threshold is determined according to the following
   a)[threshold at 50mm in step 1]+(test separation distance -50mm)*(f (MHz)/150)]Mw, at 100 MHz to 1500 MHz
   b) [threshold at 50mm in step1]+(test 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.



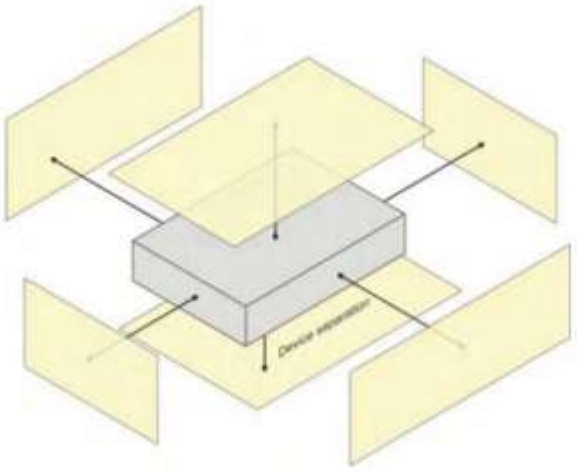
Cheek Position
1)To position the device with the vertical center line of the body of the device and the horizontal line crossing the center piece in a plane parallel to the sagittal plane of the phantom. While maintaining the device in this plane, align the vertical center line with the reference plane 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	$(1-cp)^{1/2}$	$(1-cp)^{1/2}$	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	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	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)	31.60	31.50	31.62	29.12	28.93	28.85
GPRS (GMSK, 1-Slot)	31.62	31.59	31.50	28.95	28.83	28.74
GPRS (GMSK, 2-Slot)	30.62	30.52	30.39	28.06	27.94	27.67
GPRS (GMSK, 3-Slot)	28.50	28.36	28.20	25.90	25.67	25.51
GPRS (GMSK, 4-Slot)	27.50	27.47	27.29	24.72	24.58	24.57
EGPRS(8PSK, 1-Slot)	/	/	/	/	/	/
EGPRS(8PSK, 2-Slot)	/	/	/	/	/	/
EGPRS(8PSK, 3-Slot)	/	/	/	/	/	/
EGPRS(8PSK, 4-Slot)	/	/	/	/	/	/

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)	22.60	22.50	22.62	20.12	19.93	19.85
GPRS (GMSK, 1-Slot)	22.62	22.59	22.50	19.95	19.83	19.74
GPRS (GMSK, 2-Slot)	24.62	24.52	24.39	22.06	21.94	21.67
GPRS (GMSK, 3-Slot)	24.24	24.10	23.94	21.64	21.41	21.25
GPRS (GMSK, 4-Slot)	24.50	24.47	24.29	21.72	21.58	21.57
EGPRS(8PSK, 1-Slot)	/	/	/	/	/	/
EGPRS(8PSK, 2-Slot)	/	/	/	/	/	/
EGPRS(8PSK, 3-Slot)	/	/	/	/	/	/
EGPRS(8PSK, 4-Slot)	/	/	/	/	/	/

Remark :
1. SAR testing was performed on the maximum frame-averaged power mode.
2. The frame-averaged power is linearly proportion to the slot number configured and it is linearly scaled the maximum
burst-averaged power based on time slots. The calculated method is shown as below:
Frame-averaged power = Burst averaged power (1 Tx Slot) - 9 dB
Frame-averaged power = Burst averaged power (2 Tx Slots) - 6 dB
Frame-averaged power = Burst averaged power (3 Tx Slots) - 4.26 dB
Frame-averaged power = Burst averaged power (4 Tx Slots) - 3 dB

WCDMA

Band	WCDMA Band V			WCDMA Band 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	22.72	22.54	22.60	22.62	22.78	22.94
HSDPA Subtest-1	22.26	21.74	21.71	22.27	22.23	21.94
HSDPA Subtest-2	21.74	21.00	21.01	20.92	21.10	20.92
HSDPA Subtest-3	20.95	20.57	20.60	20.41	20.44	20.31
HSDPA Subtest-4	20.44	20.01	19.83	19.74	19.95	19.73
HSUPA Subtest-1	22.19	21.59	21.66	22.06	22.12	21.94
HSUPA Subtest-2	21.14	20.56	20.68	21.04	21.13	20.93
HSUPA Subtest-3	20.52	19.99	19.96	20.40	20.49	20.38
HSUPA Subtest-4	19.83	19.23	19.42	19.75	19.68	19.70
HSUPA Subtest-5	19.30	18.54	18.63	19.21	19.29	19.23

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	15.3
	6	2437	14.8
	11	2462	14.7
802.11g	1	2412	11.0
	6	2437	11.7
	11	2462	11.0
802.11n(HT 20)	1	2412	11.0
	6	2437	11.7
	11	2462	10.8
802.11n(HT 40)	3	2422	9.0
	6	2437	11.8
	9	2452	9.0

Bluetooth

Mode	Channel Number	Frequency (MHz)	PEAK Power (dBm)
GFSK(1M)	0	2402	4.163
	39	2441	3.684
	78	2480	3.362
π/4-DQPSK(2Mbps)	0	2402	3.518
	39	2441	3.218
	78	2480	2.824
8-DPSK(3Mbps)	0	2402	3.755
	39	2441	3.437
	78	2480	3.246

Bluetooth

Mode	Channel Number	Frequency (MHz)	PEAK Power (dBm)
GFSK(1M)	0	2402	-2.367
	19	2422	-2.195
	39	2442	-2.668

LTE Conducted Power

General Note:

1. Anritsu MT8820C base station simulator was used to setup the connection with EUT; the frequency band, channel bandwidth, RB allocation configuration, modulation type are set in the base station simulator to configure EUT transmitting at maximum power and at different configurations which are requested to be reported to FCC, for conducted power measurement and SAR testing.
2. Per KDB 941225 D05v02r03, when a properly configured base station simulator is used for the SAR and power measurements, spectrum plots for each RB allocation and offset configuration is not required.
3. Per KDB 941225 D05v02r03, start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
4. Per KDB 941225 D05v02r03, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
5. Per KDB 941225 D05v02r03, For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
6. Per KDB 941225 D05v02r03, 16QAM output power for each RB allocation configuration is > not ½ dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is ≤ 1.45 W/kg; Per KDB 941225 D05v02r03, 16QAM SAR testing is not required.
7. Per KDB 941225 D05v02r03, Smaller bandwidth output power for each RB allocation configuration is > not ½ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg; Per KDB 941225 D05v02r03, smaller bandwidth SAR testing is not required.

LTE Band 2

BW(MHz)	Modulation	RB Size	RB Offset	Power Low CH./Freq.	Power Middle CH./Freq.	Power High CH./Freq.
Channel				18700	18900	19100
Frequency(MHz)				1860	1880	1900
20	QPSK	1	0	22.65	22.68	22.59
20	QPSK	1	50	22.51	22.57	22.13
20	QPSK	1	99	22.64	22.65	21.91
20	QPSK	50	0	22.41	22.63	22.58
20	QPSK	50	24	22.33	22.46	22.01
20	QPSK	50	50	22.40	22.62	21.75
20	QPSK	100	0	21.75	21.69	21.73
20	16QAM	1	0	21.95	21.83	22.14
20	16QAM	1	50	21.76	21.80	21.70
20	16QAM	1	99	21.82	21.90	21.63
20	16QAM	50	0	21.92	21.62	21.96
20	16QAM	50	24	21.74	21.55	21.48
20	16QAM	50	50	21.68	21.68	21.44
20	16QAM	100	0	21.06	20.81	21.18
Channel				18675	18900	19125
Frequency(MHz)				1857.5	1880	1902.5
15	QPSK	1	0	22.45	22.73	22.52
15	QPSK	1	38	22.53	22.67	22.29
15	QPSK	1	75	22.52	22.70	22.10
15	QPSK	36	0	22.16	22.60	22.35
15	QPSK	36	18	22.35	22.66	22.19
15	QPSK	36	75	22.42	22.54	22.06
15	QPSK	75	0	21.54	21.80	21.53
15	16QAM	1	0	22.12	21.78	21.85
15	16QAM	1	38	22.01	21.87	21.65
15	16QAM	1	75	22.99	21.92	21.50
15	16QAM	36	0	21.83	21.60	21.78
15	16QAM	36	18	21.83	21.63	21.40
15	16QAM	36	75	22.87	21.85	21.43
15	16QAM	75	0	21.23	20.76	21.04
Channel				18650	18900	19150
Frequency(MHz)				1855	1880	1905
10	QPSK	1	0	22.60	22.70	22.31
10	QPSK	1	13	22.50	22.69	22.27
10	QPSK	1	24	22.49	22.47	21.80
10	QPSK	12	0	22.33	22.41	22.25
10	QPSK	12	6	22.39	22.43	22.05
10	QPSK	12	13	22.37	22.27	21.77
10	QPSK	25	0	21.74	21.69	21.30
10	16QAM	1	0	22.07	21.80	21.36
10	16QAM	1	13	22.97	21.82	21.33
10	16QAM	1	24	21.96	21.73	20.97
10	16QAM	12	0	21.86	21.53	21.13
10	16QAM	12	6	22.94	21.80	21.13
10	16QAM	12	13	21.72	21.72	21.09
10	16QAM	25	0	21.26	20.88	20.33

Channel				18625	18900	19175
Frequency(MHz)				1852.5	1880	1907.5
5	QPSK	1	0	22.63	22.84	22.71
5	QPSK	1	13	22.61	22.84	22.23
5	QPSK	1	24	22.54	22.85	22.17
5	QPSK	12	0	22.63	22.71	22.49
5	QPSK	12	6	22.58	22.61	21.98
5	QPSK	12	13	22.42	22.81	22.00
5	QPSK	25	0	21.76	21.92	21.65
5	16QAM	1	0	21.62	22.03	21.83
5	16QAM	1	13	21.55	22.05	21.40
5	16QAM	1	24	21.50	22.01	21.42
5	16QAM	12	0	21.43	21.94	21.74
5	16QAM	12	6	21.29	21.96	21.27
5	16QAM	12	13	21.50	21.87	21.33
5	16QAM	25	0	20.70	21.12	20.83
Channel				18615	18900	19185
Frequency(MHz)				1851.5	1880	1908.5
3	QPSK	1	0	22.55	22.69	22.81
3	QPSK	1	8	22.55	22.76	22.50
3	QPSK	1	14	22.46	22.74	22.31
3	QPSK	8	0	22.30	22.64	22.75
3	QPSK	8	4	22.53	22.74	22.39
3	QPSK	8	8	22.44	22.49	22.16
3	QPSK	15	0	21.67	21.62	21.95
3	16QAM	1	0	22.02	21.78	21.78
3	16QAM	1	8	22.02	21.82	21.62
3	16QAM	1	14	21.95	21.81	21.52
3	16QAM	8	0	21.74	21.65	21.55
3	16QAM	8	4	21.91	21.55	21.40
3	16QAM	8	8	21.79	21.64	21.42
3	16QAM	15	0	21.04	20.76	20.77
Channel				18607	18900	19193
Frequency(MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	22.54	22.70	22.75
1.4	QPSK	1	3	22.61	22.80	22.53
1.4	QPSK	1	5	22.53	22.74	22.50
1.4	QPSK	3	0	22.29	22.63	22.52
1.4	QPSK	3	1	22.52	22.70	22.30
1.4	QPSK	3	3	22.23	22.54	22.35
1.4	QPSK	6	0	21.54	21.84	21.68
1.4	16QAM	1	0	21.53	21.77	21.68
1.4	16QAM	1	3	21.57	21.89	21.69
1.4	16QAM	1	5	21.53	21.81	21.65
1.4	16QAM	3	0	21.39	21.54	21.39
1.4	16QAM	3	1	21.49	21.64	21.45
1.4	16QAM	3	3	21.45	21.57	21.59
1.4	16QAM	6	0	20.60	20.81	20.69

LTE Band 4

BW(MHz)	Modulation	RB Size	RB Offset	Power Low CH./Freq.	Power Middle CH./Freq.	Power High CH./Freq.
Channel				20050	20175	20300
Frequency(MHz)				1720	1732.5	1745
20	QPSK	1	0	22.63	22.71	22.48
20	QPSK	1	50	22.68	22.58	22.57
20	QPSK	1	99	22.68	22.62	22.49
20	QPSK	50	0	22.45	22.57	22.19
20	QPSK	50	24	22.59	22.53	22.47
20	QPSK	50	50	22.50	22.59	22.27
20	QPSK	100	0	21.80	21.71	21.64
20	16QAM	1	0	21.89	21.86	22.05
20	16QAM	1	50	21.93	21.80	22.06
20	16QAM	1	99	21.94	21.86	22.07
20	16QAM	50	0	21.71	21.71	21.89
20	16QAM	50	24	21.86	21.74	21.80
20	16QAM	50	50	21.70	21.61	21.77
20	16QAM	100	0	20.82	20.95	21.15
Channel				20025	20175	20325
Frequency(MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	22.56	22.63	22.59
15	QPSK	1	38	22.63	22.64	22.58
15	QPSK	1	75	22.64	22.57	22.56
15	QPSK	36	0	22.50	22.58	22.35
15	QPSK	36	18	22.42	22.51	22.44
15	QPSK	36	75	22.51	22.49	22.31
15	QPSK	75	0	21.50	21.76	21.51
15	16QAM	1	0	22.08	21.78	21.96
15	16QAM	1	38	22.09	21.71	21.93
15	16QAM	1	75	22.10	21.78	21.81
15	16QAM	36	0	21.79	21.57	21.74
15	16QAM	36	18	21.89	21.71	21.83
15	16QAM	36	75	21.89	21.57	21.53
15	16QAM	75	0	21.17	20.80	20.86
Channel				20000	20175	20350
Frequency(MHz)				1715	1732.5	1750
10	QPSK	1	0	22.44	22.59	22.53
10	QPSK	1	13	22.68	22.56	22.56
10	QPSK	1	24	22.65	22.54	22.43
10	QPSK	25	0	22.29	22.38	22.25
10	QPSK	25	6	22.47	22.29	22.30
10	QPSK	25	13	22.56	22.53	22.23
10	QPSK	50	0	21.62	21.59	21.67
10	16QAM	1	0	22.00	22.12	21.67
10	16QAM	1	13	22.14	22.08	21.65
10	16QAM	1	24	22.22	22.14	21.65
10	16QAM	25	0	21.97	21.98	21.56
10	16QAM	25	6	21.89	21.79	21.57
10	16QAM	25	13	21.98	22.04	21.64
10	16QAM	50	0	21.15	21.28	20.79

Channel				19975	20175	20375
Frequency(MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	22.63	22.62	22.67
5	QPSK	1	13	22.65	22.60	22.70
5	QPSK	1	24	22.64	22.66	22.70
5	QPSK	12	0	22.53	22.57	22.64
5	QPSK	12	6	22.41	22.42	22.54
5	QPSK	12	13	22.50	22.37	22.56
5	QPSK	25	0	21.67	21.71	21.72
5	16QAM	1	0	21.62	21.64	21.91
5	16QAM	1	13	21.64	21.63	21.87
5	16QAM	1	24	21.61	21.65	21.85
5	16QAM	12	0	21.62	21.46	21.65
5	16QAM	12	6	21.61	21.61	21.79
5	16QAM	12	13	21.32	21.40	21.77
5	16QAM	25	0	20.69	20.79	21.02
Channel				19965	20175	20385
Frequency(MHz)				1711.5	1732.5	1753.5
3	QPSK	1	0	22.48	22.54	22.54
3	QPSK	1	8	22.53	22.55	22.56
3	QPSK	1	14	22.53	22.54	22.52
3	QPSK	6	0	22.20	22.54	22.25
3	QPSK	6	4	22.32	22.39	22.32
3	QPSK	6	8	22.42	22.36	22.34
3	QPSK	15	0	21.63	21.67	21.62
3	16QAM	1	0	21.98	21.65	21.51
3	16QAM	1	8	22.02	21.67	21.50
3	16QAM	1	14	21.99	21.67	21.48
3	16QAM	6	0	21.76	21.46	21.43
3	16QAM	6	4	21.75	21.44	21.42
3	16QAM	6	8	21.73	21.64	21.23
3	16QAM	15	0	20.92	20.66	20.42
Channel				19957	20175	20393
Frequency(MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	22.53	22.52	22.51
1.4	QPSK	1	3	22.62	22.59	22.60
1.4	QPSK	1	5	22.56	22.54	22.54
1.4	QPSK	3	0	22.44	22.41	22.32
1.4	QPSK	3	1	22.50	22.34	22.32
1.4	QPSK	3	3	22.41	22.38	22.26
1.4	QPSK	6	0	21.64	21.58	21.66
1.4	16QAM	1	0	21.53	21.72	21.49
1.4	16QAM	1	3	21.57	21.71	21.54
1.4	16QAM	1	5	21.55	21.65	21.50
1.4	16QAM	3	0	21.30	21.71	21.37
1.4	16QAM	3	1	21.42	21.44	21.38
1.4	16QAM	3	3	21.30	21.39	21.34
1.4	16QAM	6	0	20.51	20.71	20.40

LTE Band 5

Channel				20450	20525	20600
Frequency(MHz)				829.0	836.5	844.0
10	QPSK	1	0	22.16	22.29	22.37
10	QPSK	1	13	22.24	22.38	22.36
10	QPSK	1	24	22.33	22.36	21.89
10	QPSK	25	0	21.92	22.22	22.35
10	QPSK	25	6	22.19	22.30	22.31
10	QPSK	25	13	22.18	22.26	21.79
10	QPSK	50	0	21.28	21.41	21.37
10	16QAM	1	0	21.74	21.36	21.35
10	16QAM	1	13	21.71	21.42	21.39
10	16QAM	1	24	21.67	21.49	21.06
10	16QAM	25	0	21.64	21.26	21.26
10	16QAM	25	6	21.54	21.40	21.10
10	16QAM	25	13	21.49	21.48	20.84
10	16QAM	50	0	20.91	20.43	20.45
Channel				20425	20525	20625
Frequency(MHz)				826.5	836.5	846.5
5	QPSK	1	0	22.19	22.46	22.47
5	QPSK	1	13	22.23	22.45	22.14
5	QPSK	1	24	22.30	22.50	22.20
5	QPSK	12	0	22.04	22.24	22.34
5	QPSK	12	6	21.97	22.21	22.09
5	QPSK	12	13	22.12	22.27	21.92
5	QPSK	25	0	21.31	21.46	21.53
5	16QAM	1	0	21.27	21.52	21.45
5	16QAM	1	13	21.29	21.58	21.34
5	16QAM	1	24	21.28	21.65	21.46
5	16QAM	12	0	21.15	21.34	21.32
5	16QAM	12	6	21.28	21.41	21.21
5	16QAM	12	13	21.26	21.37	21.30
5	16QAM	25	0	20.42	20.62	20.37
Channel				20415	20525	20635
Frequency(MHz)				825.5	836.5	847.5
3	QPSK	1	0	22.05	22.28	22.45
3	QPSK	1	7	22.10	22.33	22.41
3	QPSK	1	14	22.08	22.30	22.40
3	QPSK	8	0	22.00	22.08	22.26
3	QPSK	8	4	21.91	22.10	22.21
3	QPSK	8	7	21.88	22.03	22.13
3	QPSK	15	0	20.97	21.28	21.40
3	16QAM	1	0	21.67	21.32	21.34
3	16QAM	1	7	21.70	21.37	21.41
3	16QAM	1	14	21.66	21.35	21.46
3	16QAM	8	0	21.43	21.14	21.34
3	16QAM	8	4	21.49	21.10	21.27
3	16QAM	8	7	21.39	21.09	21.23
3	16QAM	15	0	20.63	20.26	20.31

Channel				20407	20525	20643
Frequency(MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	22.09	22.28	22.43
1.4	QPSK	1	2	22.19	22.39	22.35
1.4	QPSK	1	5	22.12	22.31	22.40
1.4	QPSK	3	0	22.08	22.26	22.42
1.4	QPSK	3	1	22.04	22.12	22.13
1.4	QPSK	3	2	22.03	22.26	22.25
1.4	QPSK	6	0	21.26	21.36	21.46
1.4	16QAM	1	0	21.19	21.31	21.37
1.4	16QAM	1	2	21.27	21.42	21.47
1.4	16QAM	1	5	21.20	21.35	21.44
1.4	16QAM	3	0	21.18	21.14	21.22
1.4	16QAM	3	1	21.20	21.21	21.19
1.4	16QAM	3	2	21.10	21.03	21.37
1.4	16QAM	6	0	20.22	20.44	20.35

LTE Band 7

Channel				20850	21100	21350
Frequency(MHz)				2510	2535	2560
20	QPSK	1	0	22.42	21.85	21.39
20	QPSK	1	50	22.04	21.31	21.31
20	QPSK	1	99	22.15	21.37	21.23
20	QPSK	50	0	22.24	21.66	21.19
20	QPSK	50	24	21.83	21.24	21.19
20	QPSK	50	50	22.11	21.09	21.05
20	QPSK	100	0	21.52	21.04	20.35
20	16QAM	1	0	21.63	21.14	20.88
20	16QAM	1	50	21.36	20.60	20.84
20	16QAM	1	99	21.48	20.61	20.93
20	16QAM	50	0	21.63	21.12	20.70
20	16QAM	50	24	21.11	20.45	20.67
20	16QAM	50	50	21.33	20.60	20.66
20	16QAM	100	0	20.61	20.13	19.99
Channel				20825	21100	21375
Frequency(MHz)				2507.5	2535	2562.5
15	QPSK	1	0	22.39	21.81	21.49
15	QPSK	1	38	22.00	21.36	21.30
15	QPSK	1	75	22.27	21.30	21.27
15	QPSK	36	0	22.28	21.61	21.46
15	QPSK	36	18	21.96	21.11	21.29
15	QPSK	36	75	22.05	21.10	21.13
15	QPSK	75	0	21.56	20.78	20.50
15	16QAM	1	0	21.72	21.06	20.73
15	16QAM	1	38	21.44	20.57	20.60
15	16QAM	1	75	21.73	20.55	20.67
15	16QAM	36	0	21.51	20.76	20.49
15	16QAM	36	18	21.36	20.50	20.38
15	16QAM	36	75	21.49	20.33	20.43
15	16QAM	75	0	20.76	20.15	19.82

Channel				20800	21100	21400
Frequency(MHz)				2505	2535	2565
10	QPSK	1	0	22.39	21.60	21.41
10	QPSK	1	13	22.07	21.38	21.33
10	QPSK	1	24	21.98	21.12	21.05
10	QPSK	25	0	22.15	21.53	21.15
10	QPSK	25	6	21.85	21.19	21.08
10	QPSK	25	13	21.78	20.88	20.83
10	QPSK	50	0	21.37	20.79	20.61
10	16QAM	1	0	21.69	20.80	20.35
10	16QAM	1	13	21.56	20.64	20.36
10	16QAM	1	24	21.45	20.39	20.17
10	16QAM	25	0	21.53	20.67	20.11
10	16QAM	25	6	21.46	20.58	20.21
10	16QAM	25	13	21.18	20.27	20.09
10	16QAM	50	0	20.69	19.83	19.50
Channel				20775	21100	21425
Frequency(MHz)				2502.5	2535	2567.5
5	QPSK	1	0	22.97	22.56	21.78
5	QPSK	1	13	22.50	21.87	21.41
5	QPSK	1	24	22.72	22.07	21.63
5	QPSK	12	0	22.72	22.54	21.64
5	QPSK	12	6	22.46	21.66	21.35
5	QPSK	12	13	22.43	21.89	21.47
5	QPSK	25	0	21.11	21.54	20.78
5	16QAM	1	0	21.85	21.45	20.88
5	16QAM	1	13	21.40	20.95	20.51
5	16QAM	1	24	21.69	21.19	20.89
5	16QAM	12	0	21.67	21.40	20.80
5	16QAM	12	6	21.32	20.77	20.49
5	16QAM	12	13	21.51	21.00	20.85
5	16QAM	25	0	20.76	20.39	19.81

LTE Band 17

BW(MHz)	Modulation	RB Size	RB Offset	Power Low CH./Freq.	Power Middle CH./Freq.	Power High CH./Freq.
Channel				23780	23790	23800
Frequency(MHz)				709	710	711
10	QPSK	1	0	22.76	22.70	22.69
10	QPSK	1	13	22.38	22.47	22.63
10	QPSK	1	24	22.55	22.55	22.64
10	QPSK	25	0	22.68	22.67	22.63
10	QPSK	25	6	22.33	22.45	22.54
10	QPSK	25	13	22.27	22.48	22.63
10	QPSK	50	0	21.85	21.62	21.68
10	16QAM	1	0	21.93	21.67	21.51
10	16QAM	1	13	21.86	21.55	21.50
10	16QAM	1	24	21.90	21.57	21.43
10	16QAM	25	0	21.67	21.49	21.48
10	16QAM	25	6	21.66	21.51	21.26
10	16QAM	25	13	21.60	21.49	21.21
10	16QAM	50	0	20.84	20.60	20.64
Channel				23755	23790	23825
Frequency(MHz)				706.5	710	713.5
5	QPSK	1	0	22.88	22.67	22.63
5	QPSK	1	13	22.54	22.57	22.60
5	QPSK	1	24	22.59	22.66	22.56
5	QPSK	12	0	22.77	22.46	22.37
5	QPSK	12	6	22.44	22.42	22.41
5	QPSK	12	13	22.57	22.51	22.43
5	QPSK	25	0	22.06	21.84	21.70
5	16QAM	1	0	21.65	21.68	21.61
5	16QAM	1	13	21.57	21.66	21.50
5	16QAM	1	24	21.48	21.75	21.40
5	16QAM	12	0	21.38	21.64	21.60
5	16QAM	12	6	21.39	21.44	21.48
5	16QAM	12	13	21.43	21.49	21.24
5	16QAM	25	0	20.68	20.59	20.65

Turn Power

Mode	GSM850(AVG)	GSM1900(AVG)
GSM/PCS	31.0±1dBm	28.5±1dBm
GPRS (1 Slot)	31.0±1dBm	28.0±1dBm
GPRS (2 Slot)	30.0±1dBm	27.5±1dBm
GPRS (3 Slot)	28.0±1dBm	25.0±1dBm
GPRS (4 Slot)	27.0±1dBm	24.0±1dBm

Mode	WCDMA Band V(AVG)	WCDMA Band II(AVG)
RMC	22.0±1dBm	22.0±1dBm
HSDPA Subtest-1	21.5±1dBm	21.5±1dBm
HSDPA Subtest-2	21.0±1dBm	20.5±1dBm
HSDPA Subtest-3	20.0±1dBm	19.5±1dBm
HSDPA Subtest-4	19.5±1dBm	19.0±1dBm
HSUPA Subtest-1	21.5±1dBm	21.5±1dBm
HSUPA Subtest-2	20.5±1dBm	19.5±1dBm
HSUPA Subtest-3	20.0±1dBm	19.5±1dBm
HSUPA Subtest-4	19.0±1dBm	19.0±1dBm
HSUPA Subtest-5	18.5±1dBm	18.5±1dBm

Mode	WIFI		
	Low	Middle	High
IEEE 802.11b	14.5±1dBm	14.5±1dBm	14.5±1dBm
IEEE 802.11g	11.0±1dBm	11.0±1dBm	11.0±1dBm
IEEE 802.11n HT20	11.0±1dBm	11.0±1dBm	10.0±1dBm
IEEE 802.11n HT40	9.0±1dBm	11.0±1dBm	9.0±1dBm

Mode	BT
GFSK	3.5±1dBm
π/4-DQPSK	3.0±1dBm
8DPSK	3.0±1dBm

Mode	BT 4.0
GFSK	-2.0±1dBm

LTE

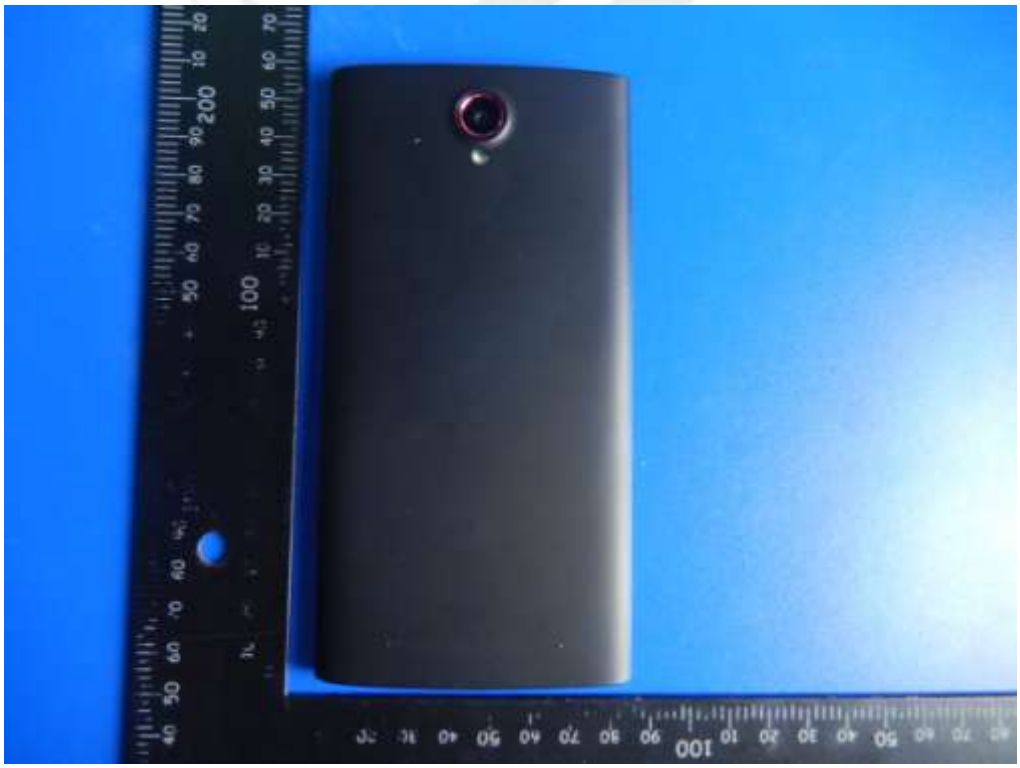
BW[MHz]	RB Size	Mode	Band 2	Band 4	Band 5	Band 7	Band 17
1.4	1	QPSK	22±1dBm	22±1dBm	22±1dBm	N/A	N/A
1.4	3		22±1dBm	22±1dBm	22±1dBm	N/A	N/A
1.4	6		21±1dBm	21±1dBm	21±1dBm	N/A	N/A
1.4	1	16-QAM	21±1dBm	21±1dBm	21±1dBm	N/A	N/A
1.4	3		21±1dBm	21±1dBm	21±1dBm	N/A	N/A
1.4	6		20±1dBm	20±1dBm	20±1dBm	N/A	N/A
3	1	QPSK	22±1dBm	22±1dBm	22±1dBm	N/A	N/A
3	6		22±1dBm	22±1dBm	22±1dBm	N/A	N/A
3	15		21±1dBm	21±1dBm	21±1dBm	N/A	N/A
3	1	16-QAM	22±1dBm	22±1dBm	21±1dBm	N/A	N/A
3	6		21±1dBm	21±1dBm	21±1dBm	N/A	N/A
3	15		21±1dBm	20±1dBm	20±1dBm	N/A	N/A
5	1	QPSK	22±1dBm	22±1dBm	22±1dBm	22±1dBm	22±1dBm
5	12		22±1dBm	22±1dBm	22±1dBm	22±1dBm	22±1dBm
5	25		21±1dBm	21±1dBm	21±1dBm	21±1dBm	22±1dBm
5	1	16-QAM	21±1dBm	21±1dBm	21±1dBm	21±1dBm	21±1dBm
5	12		21±1dBm	21±1dBm	21±1dBm	21±1dBm	21±1dBm
5	25		20±1dBm	20±1dBm	20±1dBm	20±1dBm	20±1dBm
10	1	QPSK	22±1dBm	22±1dBm	22±1dBm	22±1dBm	22±1dBm
10	25		22±1dBm	22±1dBm	22±1dBm	21.5±1dBm	22±1dBm
10	50		21±1dBm	21±1dBm	21±1dBm	21±1dBm	21±1dBm
10	1	16-QAM	22±1dBm	22±1dBm	21±1dBm	21±1dBm	21±1dBm
10	25		22±1dBm	21±1dBm	21±1dBm	21±1dBm	21±1dBm
10	50		21±1dBm	21±1dBm	20±1dBm	20±1dBm	20±1dBm
15	1	QPSK	22±1dBm	22±1dBm	N/A	22±1dBm	N/A
15	36		22±1dBm	22±1dBm	N/A	22±1dBm	N/A
15	75		21±1dBm	21±1dBm	N/A	21±1dBm	N/A
15	1	16-QAM	22±1dBm	22±1dBm	N/A	21±1dBm	N/A
15	36		22±1dBm	21±1dBm	N/A	21±1dBm	N/A
15	75		21±1dBm	21±1dBm	N/A	20±1dBm	N/A
20	1	QPSK	22±1dBm	22±1dBm	N/A	22±1dBm	N/A
20	50		22±1dBm	22±1dBm	N/A	22±1dBm	N/A
20	100		21±1dBm	21±1dBm	N/A	21±1dBm	N/A
20	1	16-QAM	21±1dBm	22±1dBm	N/A	21±1dBm	N/A
20	50		21±1dBm	21±1dBm	N/A	21±1dBm	N/A
20	100		21±1dBm	21±1dBm	N/A	20±1dBm	N/A

11. EUT And Test Setup Photo

11.1 EUT Photo

Front side

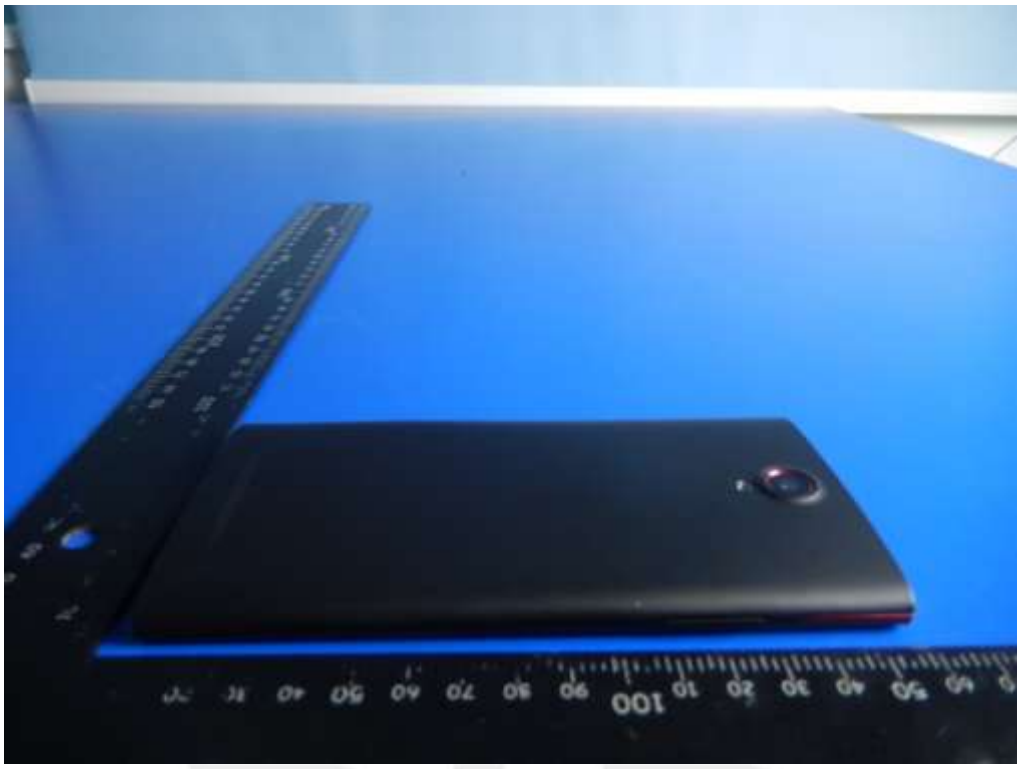
Back side



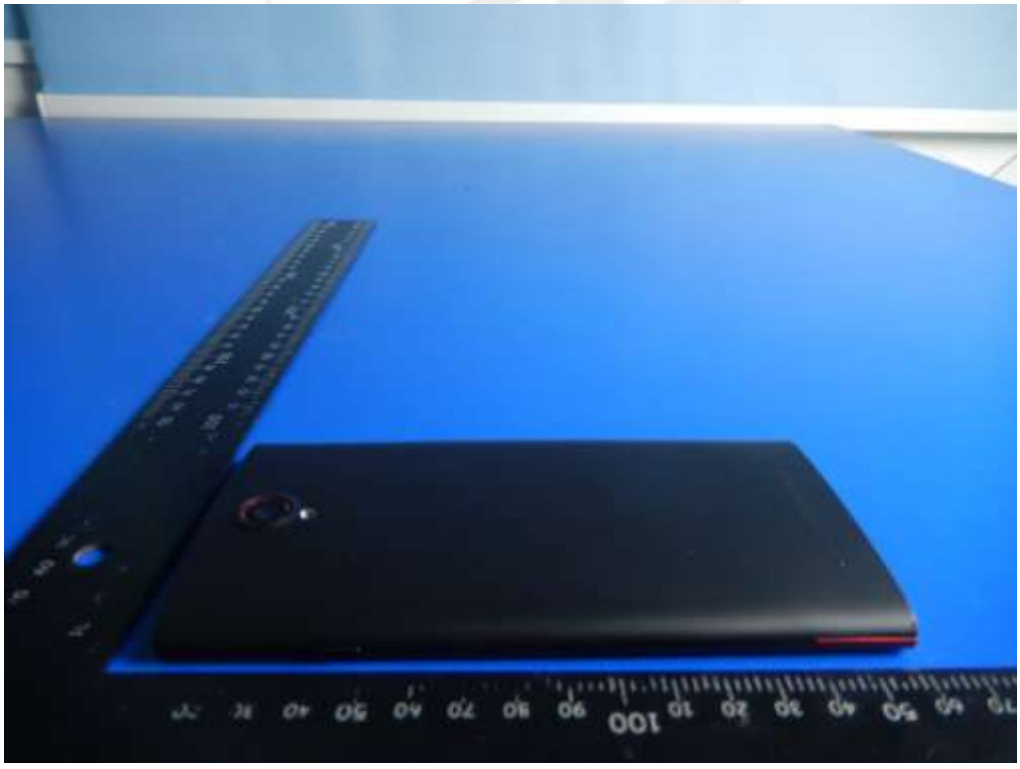
Top side

Bottom side

Left side

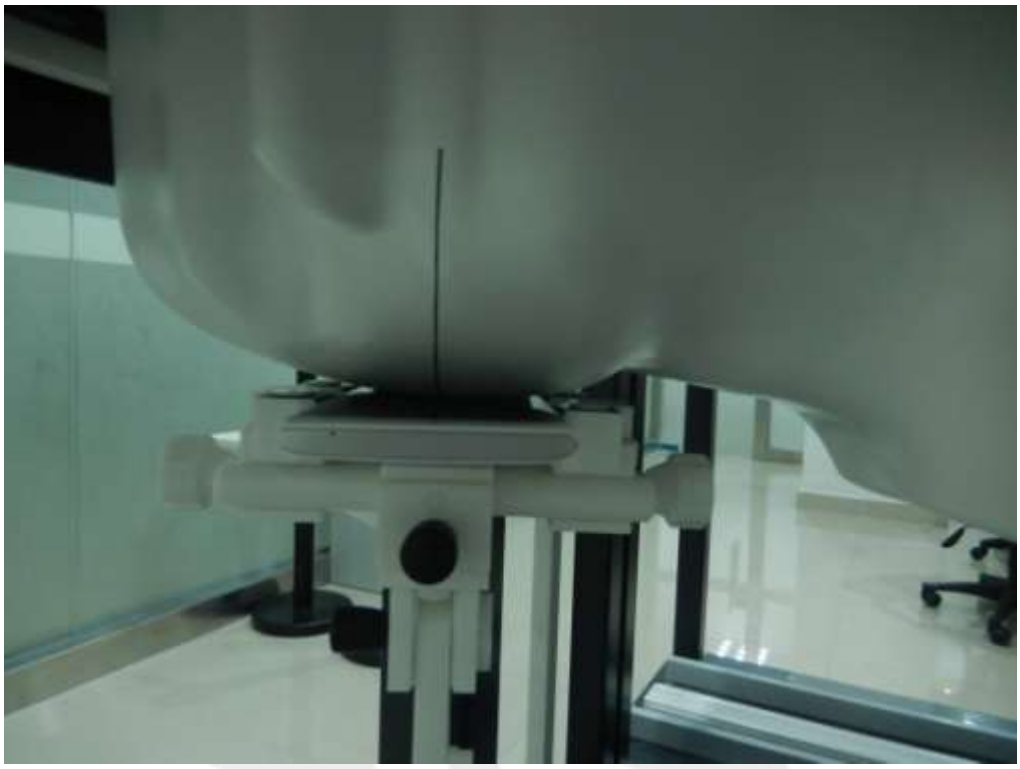


Right side

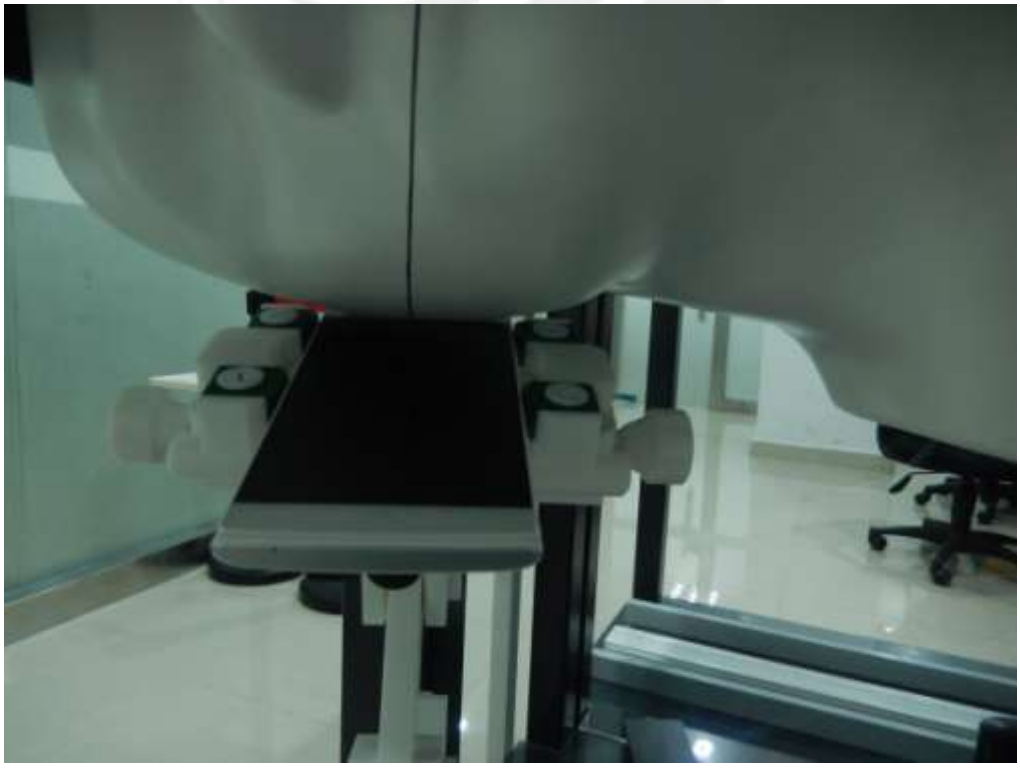


11.2 Setup Photo

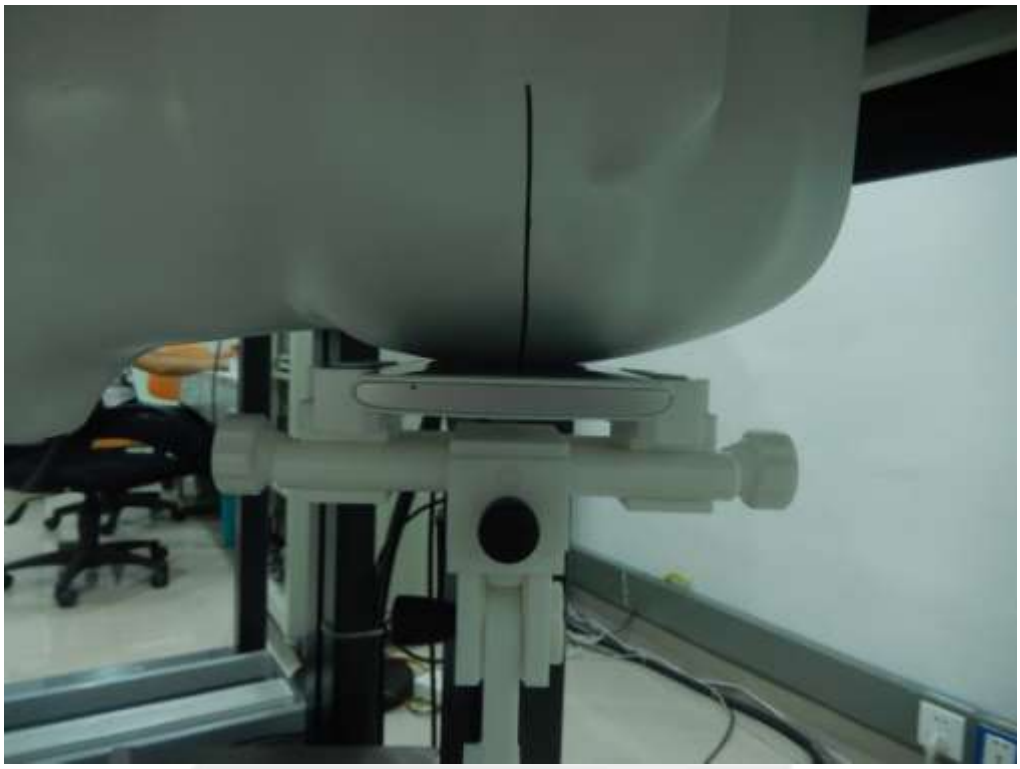
Right Touch



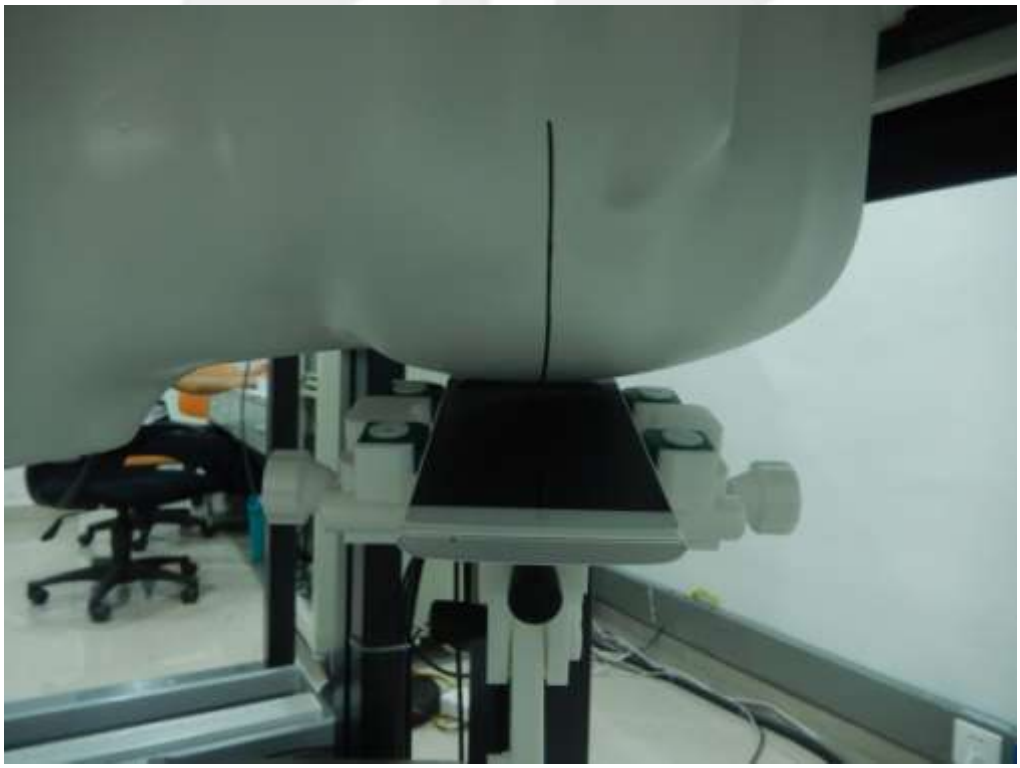
Right Tilt



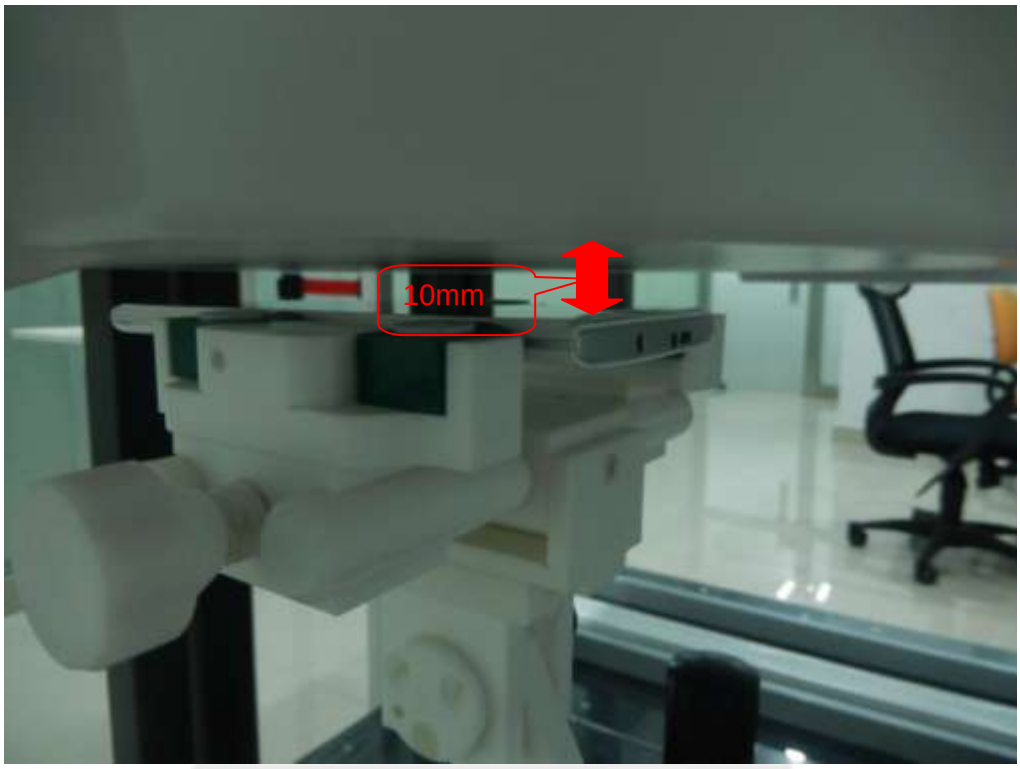
Left Touch



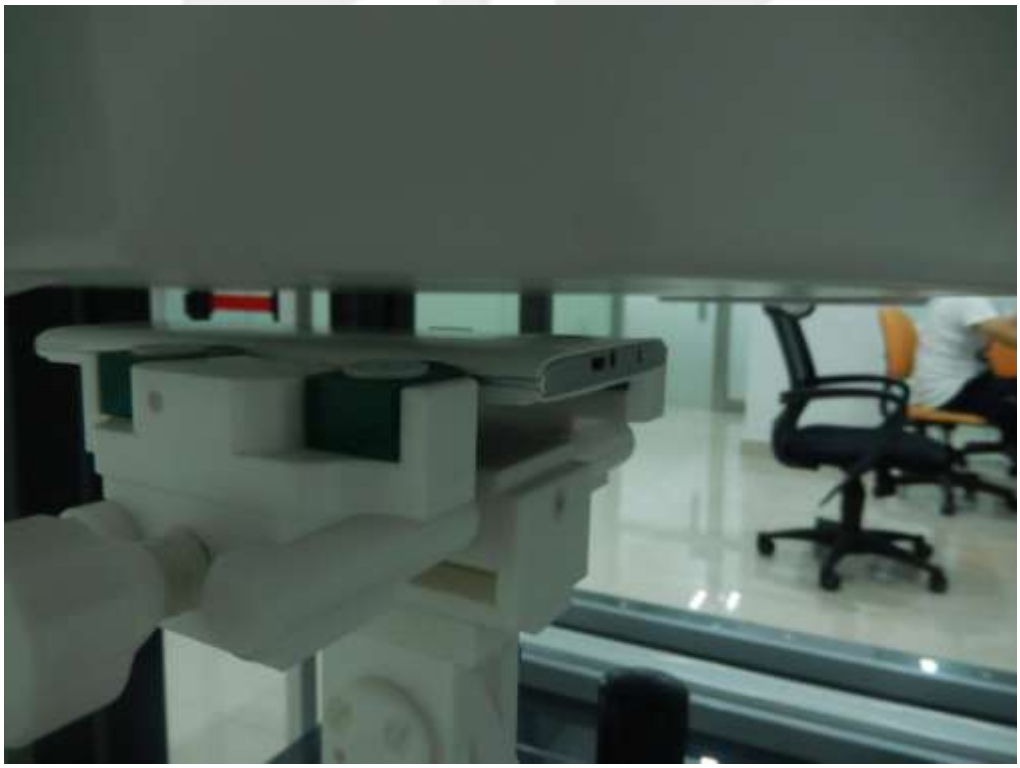
Left Tilt



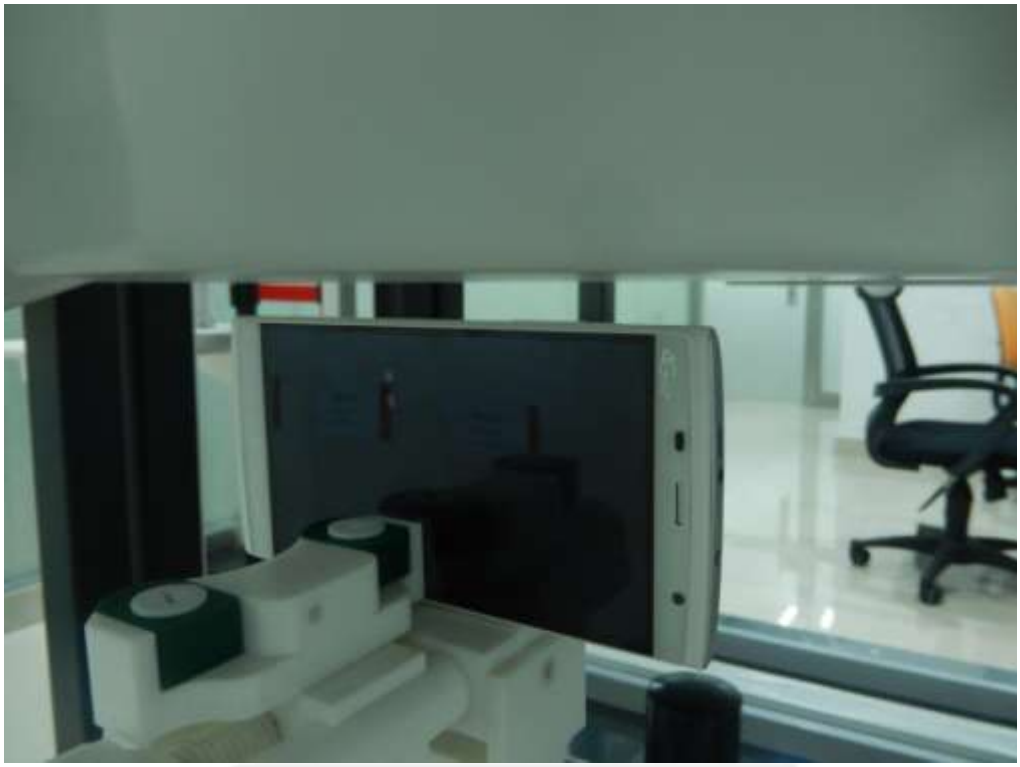
Body Front side



Body Back side

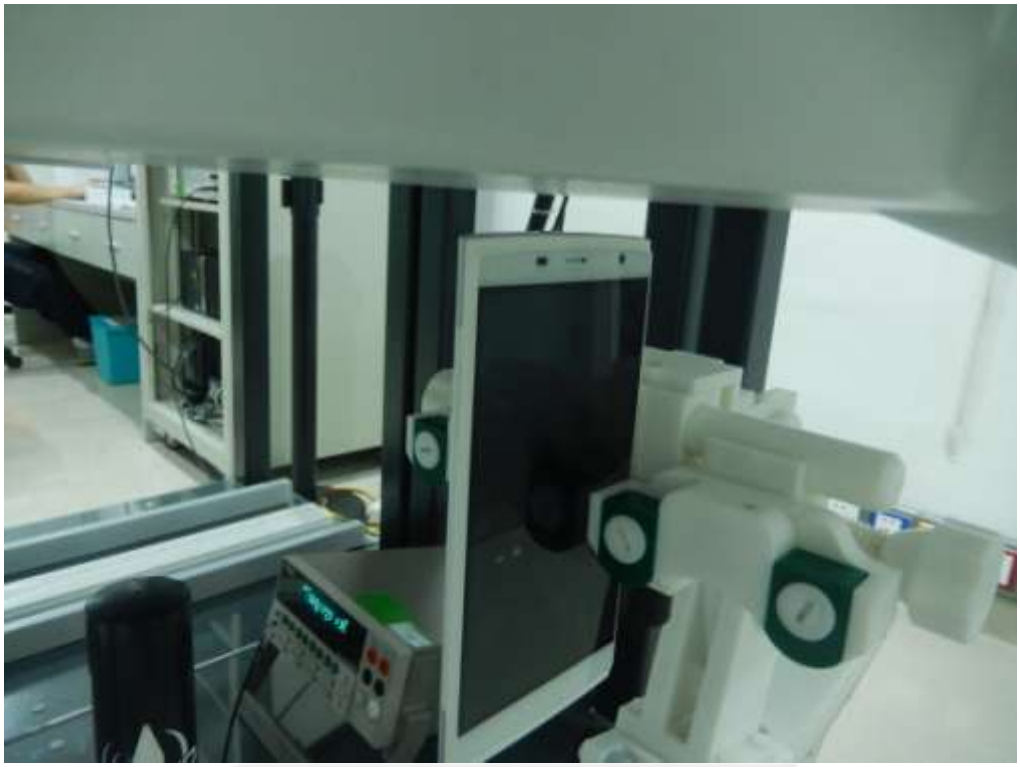


Body left side

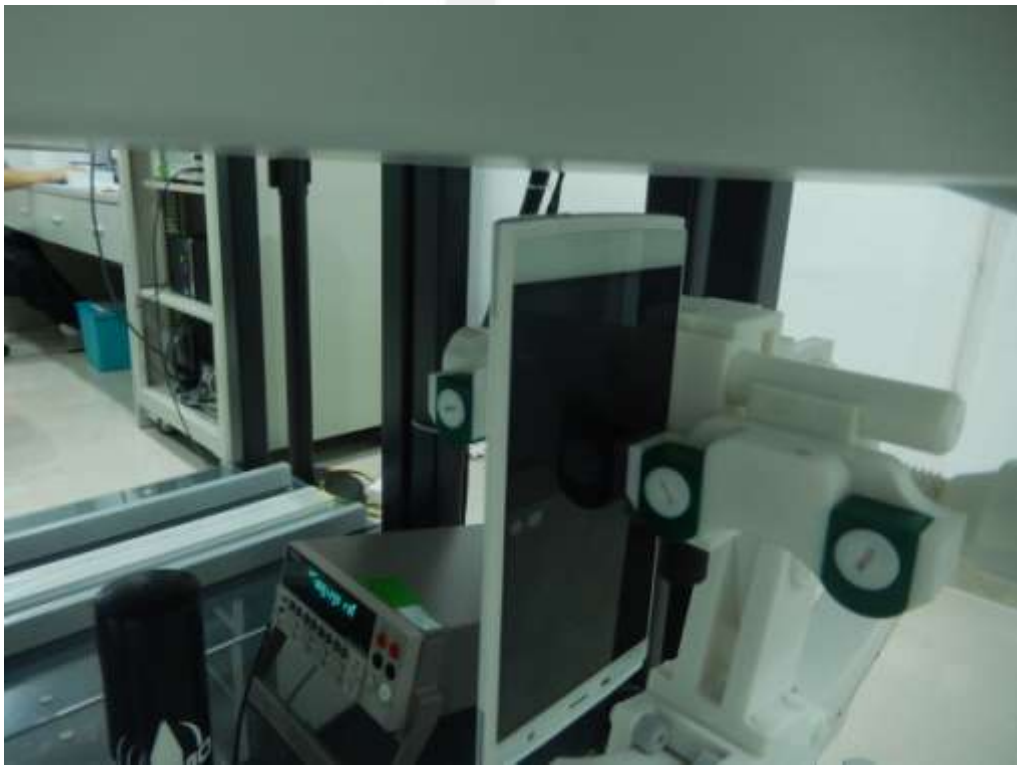


Body right side

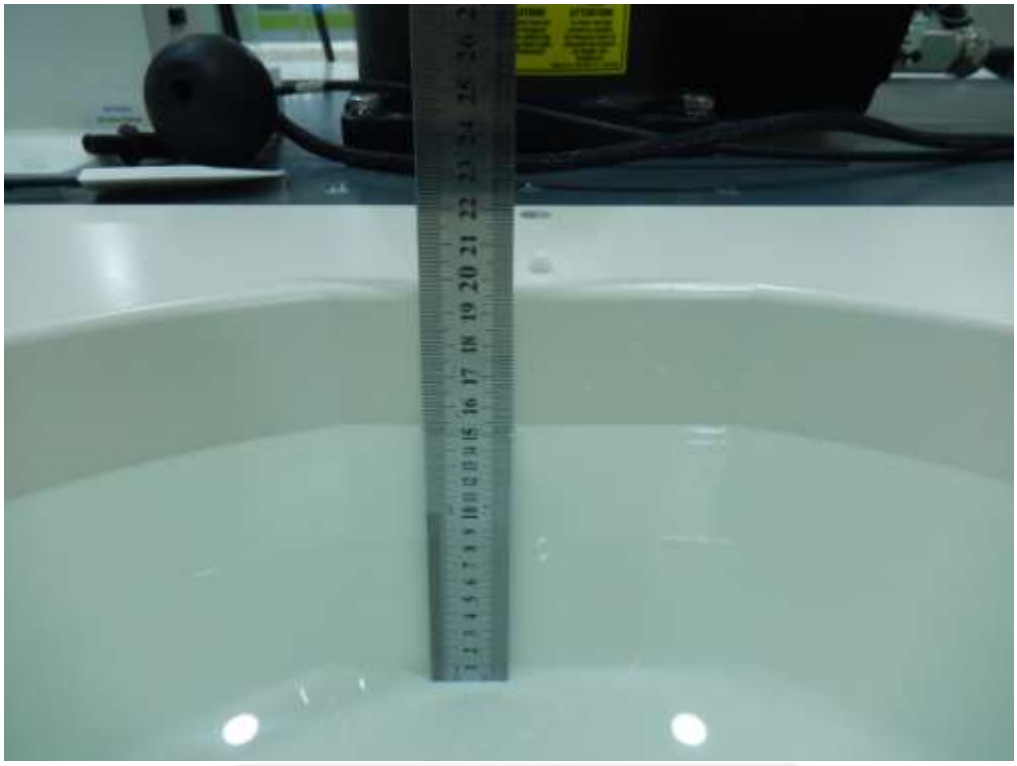
Body top side



Body Bottom side



Liquid depth (15 cm)



12. SAR Result Summary

12.1 Head SAR

Band	Mode	Test Position	Channel	Result 1g (W/Kg)	Power Drift(%)	Max.Turn-up Power(dBm)	Meas.Output Power(dBm)	Scaled SAR (W/Kg)	Meas. No.
GSM 850	Voice	Right Cheek	CH 251	0.140	-374	32	31.62	0.153	1
		Right Tilt	CH 251	0.066	-2.91	32	31.62	0.072	2
		Left Cheek	CH 251	0.203	-0.91	32	31.62	**0.222**	3
		Left Tilt	CH 251	0.154	2.53	32	31.62	0.168	4
GSM1900	Voice	Right Cheek	CH 512	0.268	2.45	29.5	29.12	**0.293**	10
		Right Tilt	CH 512	0.117	0.64	29.5	29.12	0.128	11
		Left Cheek	CH 512	0.115	0.09	29.5	29.12	0.126	12
		Left Tilt	CH 512	0.037	2.76	29.5	29.12	0.040	13
WCDMA II	RMC	Right Cheek	CH 9537	0.551	-0.14	23	22.94	**0.559**	19
		Right Tilt	CH 9537	0.237	0.40	23	22.94	0.240	20
		Left Cheek	CH 9537	0.272	0.47	23	22.94	0.276	21
		Left Tilt	CH 9537	0.196	-0.09	23	22.94	0.199	22
WCDMA V	RMC	Right Cheek	CH4132	0.129	2.04	23	22.72	0.138	37
		Right Tilt	CH4132	0.108	-3.01	23	22.72	0.115	38
		Left Cheek	CH4132	0.187	-4.71	23	22.72	**0.199**	39
		Left Tilt	CH4132	0.115	-2.71	23	22.72	0.123	40

Band	Mode	Test Position	Channel	Result 1g (W/Kg)	Power Drift(%)	Max.Turn-up Power(dBm)	Meas.Output Power(dBm)	Duty cycle(%)	Scaled SAR (W/Kg)	Meas. No.
WIFI	802.11b	Right Cheek	CH 1	0.480	-1.11	15.5	15.3	100	**0.503**	82
		Right Tilt	CH 1	0.215	-0.83	15.5	15.3	100	0.225	83
		Left Cheek	CH 1	0.242	-2.00	15.5	15.3	100	0.253	84
		Left Tilt	CH 1	0.080	-2.05	15.5	15.3	100	0.084	85

Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Channel	Result 1g (W/Kg)	Power Drift(%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaled SAR (W/Kg)	Meas No.
LTE Band 2	20M	QPSK	1	0	Right Cheek	18900	**0.735**	3.40	23	22.68	**0.791**	40
			50	0	Right Cheek	18900	0.695	-0.85	23	22.63	0.757	/
			1	0	Right Tilt	18900	**0.511**	-0.52	23	22.68	0.550	41
			50	0	Right Tilt	18900	0.502	0.93	23	22.63	0.547	/
			1	0	Left Cheek	18900	**0.315**	-4.41	23	22.68	0.339	42
			50	0	Left Cheek	18900	0.294	-2.33	23	22.63	0.320	/
			1	0	Left Tilt	18900	**0.114**	-0.03	23	22.68	0.123	43
			50	0	Left Tilt	18900	0.096	-1.90	23	22.63	0.105	/
LTE Band 4	20M	QPSK	1	0	Right Cheek	20175	**0.663**	1.03	23	22.71	0.709	49
			50	0	Right Cheek	20175	0.655	2.36	23	22.59	**0.720**	/
			1	0	Right Tilt	20175	**0.226**	-3.52	23	22.71	0.242	50
			50	0	Right Tilt	20175	0.204	0.62	23	22.59	0.224	/
			1	0	Left Cheek	20175	**0.300**	0.10	23	22.71	0.321	51
			50	0	Left Cheek	20175	0.290	4.05	23	22.59	0.319	/
			1	0	Left Tilt	20175	**0.163**	-0.37	23	22.71	0.174	52
			50	0	Left Tilt	20175	0.151	-3.58	23	22.59	0.166	/
LTE Band 5	20M	QPSK	1	0	Right Cheek	20525	**0.223**	0.38	23	22.38	0.257	58
			50	0	Right Cheek	20600	0.196	2.36	23	22.35	0.228	/
			1	0	Right Tilt	20525	**0.100**	0.02	23	22.38	0.115	59
			50	0	Right Tilt	20600	0.097	-2.75	23	22.35	0.113	/
			1	0	Left Cheek	20525	**0.265**	0.15	23	22.38	**0.306**	60
			50	0	Left Cheek	20600	0.257	0.01	23	22.35	0.298	/
			1	0	Left Tilt	20525	**0.124**	-0.10	23	22.38	0.143	61
			50	0	Left Tilt	20600	0.118	1.56	23	22.35	0.137	/
LTE Band 7	10M	QPSK	1	0	Right Cheek	20850	**0.461**	-0.48	23	22.42	0.527	67
			25	0	Right Cheek	20850	0.459	-0.26	23	22.24	**0.547**	/
			1	0	Right Tilt	20850	**0.164**	0.30	23	22.42	0.187	68
			25	0	Right Tilt	20850	0.155	1.20	23	22.24	0.185	/
			1	0	Left Cheek	20850	**0.181**	-1.73	23	22.42	0.207	69
			25	0	Left Cheek	20850	0.174	0.21	23	22.24	0.207	/
			1	0	Left Tilt	20850	**0.109**	-3.57	23	22.42	0.125	70
			25	0	Left Tilt	20850	0.096	4.16	23	22.24	0.114	/
LTE Band 17	10M	QPSK	1	0	Right Cheek	23780	**0.229**	-0.01	23	22.76	**0.242**	76
			25	13	Right Cheek	23780	0.216	0.50	23	22.68	0.233	/
			1	0	Right Tilt	23780	**0.105**	-3.72	23	22.76	0.111	77
			25	13	Right Tilt	23780	0.098	1.90	23	22.68	0.105	/
			1	0	Left Cheek	23780	**0.224**	-0.02	23	22.76	0.237	78
			25	13	Left Cheek	23780	0.216	-0.77	23	22.68	0.233	/
			1	0	Left Tilt	23780	**0.107**	0.21	23	22.76	0.113	79
			25	13	Left Tilt	23780	0.099	0.55	23	22.68	0.107	/

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	GPRS Data-2 Slot（hotspot）	Front side	CH 128	0.330	1.28	31	30.62	0.360	5
		Back side	CH 128	0.405	-4.81	31	30.62	**0.442**	6
		Left side	CH 128	0.180	3.25	31	30.62	0.196	7
		Right side	CH 128	0.175	-4.54	31	30.62	0.191	8
		Bottom side	CH 128	0.137	-2.91	31	30.62	0.150	9
GSM1900	GPRS Data-2 Slot（hotspot）	Front side	CH 512	0.618	-2.03	28.5	28.06	0.684	14
		Back side	CH 512	0.706	-1.36	28.5	28.06	**0.781**	15
		Left side	CH 512	0.164	-0.71	28.5	28.06	0.181	16
		Right side	CH 512	0.126	-1.00	28.5	28.06	0.139	17
		Bottom side	CH 512	0.594	0.53	28.5	28.06	0.657	18
WCDMA II	RMC（body-worn and hotspot）	Front side	CH9537	0.567	-0.14	23	22.94	0.575	23
		Back side	CH9263	0.913	-1.66	23	22.62	0.996	24
		Back side	CH9400	1.182	-0.05	23	22.78	**1.243**	25
		Back side	CH9537	1.011	4.91	23	22.94	1.025	26
		Left side	CH9537	0.383	-0.40	23	22.94	0.388	28
		Right side	CH9537	0.272	-0.25	23	22.94	0.276	29
		Bottom side	CH9537	0.674	-0.64	23	22.94	0.683	30
WCDMA V	RMC（body-worn and hotspot）	Front side	CH4132	0.196	-0.01	23	22.72	0.209	35
		Back side	CH4132	0.335	-0.04	23	22.72	**0.357**	36
		Left side	CH4132	0.152	3.55	23	22.72	0.162	37
		Right side	CH4132	0.157	-0.43	23	22.72	0.167	38
		Bottom side	CH4132	0.155	-4.18	23	22.72	0.165	39

Band	Mode	Test Position	Channel	Result 1g (W/Kg)	Power Drift(%)	Max.Turn-up Power(dBm)	Meas.Output Power(dBm)	Duty cycle(%)	Scaled SAR (W/Kg)	Meas. No.
WIFI	802.11b	Front side	CH 1	0.149	-0.10	15.5	15.3	100	0.156	90
		Back side	CH 1	0.251	-1.29	15.5	15.3	100	**0.263**	91
		Left side	CH 1	0.069	0.96	15.5	15.3	100	0.072	92
		Bottom side	CH 1	0.132	-0.69	15.5	15.3	100	0.138	93

Note:

1. Two card slot can't work at the same time.
2. The test separation of all above table is 10mm.
3. Per KDB 248227- When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg. (The highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power was **0.220** W/Kg for Head and **0.115** W/Kg for Body/Hotspot)

Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Channel	Result 1g (W/Kg)	Power Drift(%)	Max. Turn-up Power(dBm	Meas. Output Power(dBm)	Scaled SAR (W/Kg)	Meas. No.
LTE Band 2	20M	QPSK	1	0	Front	18700	0.835	-2.48	23	22.65	0.905	/
			1	0	Front	18900	**0.929**	-0.26	23	22.68	**1.000**	44
			1	0	Front	19100	0.743	-0.09	23	22.59	0.817	/
			50	0	Front	18900	0.716	-0.35	23	22.63	0.780	/
			100	0	Front	18700	0.681	0.23	23	21.75	0.908	/
			1	0	Back	18700	0.624	-0.57	23	22.65	0.676	/
			1	0	Back	18900	**0.879**	-1.20	23	22.68	0.946	45
			1	0	Back	19100	0.724	-0.44	23	22.59	0.796	/
			50	0	Back	18900	**0.661**	0.36	23	22.63	0.720	/
			100	0	Front	18700	0.627	-3.65	23	21.75	0.836	/
			1	0	Left Side	18900	**0.316**	-0.50	23	22.68	0.340	46
			50	0	Left Side	18900	0.294	0.06	23	22.63	0.320	/
			1	0	Right Side	18900	**0.231**	0.18	23	22.68	0.249	47
			50	0	Right Side	18900	0.223	2.70	23	22.63	0.243	/
			1	0	Bottom Side	18900	**0.725**	-0.46	23	22.68	0.780	48
			50	0	Bottom Side	18900	0.647	-1.21	23	22.63	0.705	/
LTE Band 4	20M	QPSK	1	0	Front	20175	**0.799**	0.14	23	22.71	**0.854**	53
			50	0	Front	20175	0.761	2.49	23	22.59	0.836	/
			1	0	Back	20175	**0.667**	-0.77	23	22.71	0.713	54
			50	0	Back	20175	0.630	0.07	23	22.59	0.692	/
			1	0	Left Side	20175	**0.209**	-3.23	23	22.71	0.223	55
			50	0	Left Side	20175	0.176	0.82	23	22.59	0.193	/
			1	0	Right Side	20175	**0.237**	3.92	23	22.71	0.253	56
			50	0	Right Side	20175	0.228	1.64	23	22.59	0.251	/
			1	0	Bottom Side	20175	**0.577**	-0.98	23	22.71	0.617	57
			50	0	Bottom Side	20175	0.403	-0.11	23	22.59	0.443	/
LTE Band 5	20M	QPSK	1	0	Front	20525	**0.245**	0.27	23	22.38	0.283	62
			50	0	Front	20600	0.215	-1.88	23	22.35	0.250	/
			1	0	Back	20525	**0.411**	2.49	23	22.38	**0.474**	63
			50	0	Back	20600	0.381	-1.35	23	22.35	0.443	/
			1	0	Left Side	20525	**0.116**	-0.17	23	22.38	0.134	64
			50	0	Left Side	20600	0.097	0.71	23	22.35	0.113	/
			1	0	Right Side	20525	**0.129**	0.08	23	22.38	0.149	65
			50	0	Right Side	20600	0.116	0.23	23	22.35	0.135	/
			1	0	Bottom Side	20525	**0.151**	-0.08	23	22.38	0.174	66
			50	0	Bottom Side	20600	0.145	0.20	23	22.35	0.168	/
LTE Band 7	10M	QPSK	1	0	Front	20850	**0.540**	-1.96	23	22.42	0.617	71
			25	0	Front	20850	0.523	-3.26	23	22.24	0.623	/
			1	0	Back	20850	**0.514**	-1.02	23	22.42	0.587	72
			25	0	Back	20850	0.492	-0.28	23	22.24	0.586	/
			1	0	Left Side	20850	**0.118**	-0.35	23	22.42	0.135	73
			25	0	Left Side	20850	0.096	-1.63	23	22.24	0.114	/
			1	0	Right Side	20850	**0.122**	1.93	23	22.42	0.139	74
			25	0	Right Side	20850	0.117	1.05	23	22.24	0.139	/
			1	0	Bottom Side	20850	**0.560**	-0.27	23	22.42	0.640	75
			25	0	Bottom Side	20850	0.556	0.25	23	22.24	**0.662**	/

Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Channel	Result 1g (W/Kg)	Power Drift(%)	Max. Turn-up Power(dBm	Meas. Output Power(dBm)	Scaled SAR (W/Kg)	Meas. No.
LTE Band 17	10M	QPSK	1	0	Front	23780	**0.267**	0.57	23	22.76	0.282	80
			25	13	Front	23780	0.254	0.44	23	22.68	0.273	/
			1	0	Back	23780	**0.452**	0.39	23	22.76	**0.478**	81
			25	13	Back	23780	0.431	0.23	23	22.68	0.464	/
			1	0	Left Side	23780	**0.126**	-0.22	23	22.76	0.133	82
			25	13	Left Side	23780	0.122	-0.21	23	22.68	0.131	/
			1	0	Right Side	23780	**0.131**	-1.49	23	22.76	0.138	83
			25	13	Right Side	23780	0.128	-1.30	23	22.68	0.138	/
			1	0	Bottom Side	23780	**0.080**	0.14	23	22.76	0.085	84
			25	13	Bottom Side	23780	0.068	0.36	23	22.68	0.073	/

Repeated 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.
WCDMA II	RMC（body-worn and hotspot）	Back side	CH9537	1.015	-0.55	23	22.94	1.029	27

12.3 repeated SAR measurement

Band	Mode	Test Position	Channel	Original Measured SAR 1g(mW/g)	1 st Repeated SAR 1g	Ratio	Original Measured SAR 1g(mW/g)	2nd Repeated SAR 1g	Ratio
WCDMA II	RMC（body-worn and hotspot）	Back side	CH 9537	1.011	1.015	1.00	-	-	-

Note:

1. Per KDB 865664 D01V01,for each frequency band ,repeated SAR measurement is required only when the measured SAR is≥0.8W/Kg.
2. Per KDB 865664 D01V01,if the ratio of largest to smallest SAR for the original and first repeated measurement is≤1.2and the measured SAR＜1.45W/Kg, only one repeated measurement is required.
3. Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is＞1.20 or when the original or repeated measurement is ≥ 1.45W/Kg
4. The ratio is the difference in percentage between original and repeated measured SAR.

Simultaneous Multi-band Transmission Evaluation:

Application Simultaneous Transmission information:

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

NOTE:

1. Bluetooth and WIFI can't simultaneous transmission at the same time.
2. For simultaneous transmission at head and body exposure position, 2 transmitters simultaneous transmission was the worst state.
3. Based upon KDB 447498 D01 v05, BT SAR is excluded as below table.
4. If the test separation distance is <5mm, 5mm is used for excluded SAR calculation.
5. For minimum test separation distance≦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	4.5	2.82	5	2.402	0.117
	Body			10	2.402	0.059

Simultaneous Mode	Position	Mode	Max. 1-g SAR (W/kg)	1-g Sum SAR (W/kg)
GSM + WIFI	Head	GSM Voice	0.293	0.796
		WIFI	0.503	
	Body	GSM Voice	0.781	1.044
		WIFI	0.263	
GSM + Bluetooth	Head	GSM Voice	0.293	0.410
		Bluetooth	0.117	
	Body	GSM Voice	0.781	0.840
		Bluetooth	0.059	
WCDMA + WIFI	Head	WCDMA RMC	0.559	1.062
		WIFI	0.503	
	Body	WCDMA RMC	1.243	1.506
		WIFI	0.263	
WCDMA + Bluetooth	Head	WCDMA RMC	0.559	0.676
		Bluetooth	0.117	
	Body	WCDMA RMC	1.243	1.302
		Bluetooth	0.059	
LTE + WIFI	Head	LTE RMC	0.791	1.294
		WIFI	0.503	
	Body	LTE RMC	1.000	1.263
		WIFI	0.263	
LTE + Bluetooth	Head	LTE RMC	0.791	0.908
		Bluetooth	0.117	
	Body	LTE RMC	1.000	1.059
		Bluetooth	0.059	

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

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

13. Equipment List

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
750MHz Dipole	SATIMO	SID750	SN 30/14 DIP0G750-331	2014.09.01	2017.08.31
835MHz Dipole	SATIMO	SID835	SN 30/14 DIP0G835-332	2014.09.01	2017.08.31
1800MHz Dipole	SATIMO	SID1800	SN 30/14 DIP1G800-329	2014.09.01	2017.08.31
1900MHz Dipole	SATIMO	SID1900	SN 30/14 DIP1G900-333	2014.09.01	2017.08.31
2450MHzDipole	SATIMO	SID2450	SN 30/14 DIP2G450-335	2014.09.01	2017.08.31
E-Field Probe	SATIMO	SSE5	SN 17/14 EP221	2014.09.01	2015.08.31
Antenna	SATIMO	ANTA3	SN 07/13 ZNTA52	2014.09.01	2017.08.31
Waveguide	SATIMO	SWG5500	SN 13/14 WGA32	2014.09.01	2017.08.31
Phantom1	SATIMO	SAM	SN 32/14 SAM115	NA/	NA/
Phantom2	SATIMO	SAM	SN 32/14 SAM116	NA/	NA/
SAR TEST BENCH	SATIMO	GSM and WCDMA mobile phone POSITIONNING SYSTEM	SN 32/14 MSH97	NA/	NA/
SAR TEST BENCH	SATIMO	LAPTOP POSITIONNING SYSTEM	SN 32/14 LSH29	NA/	NA/
Dielectric Probe Kit	SATIMO	SCLMP	SN 32/14 OCPG52	2014.09.01	2015.08.31
Multi Meter	Keithley	Multi Meter 2000	4050073	2014.11.20	2015.11.19
Signal Generator	Agilent	N5182A	MY50140530	2014.11.18	2015.11.17
Power Meter	R&S	NRP	100510	2014.10.25	2015.10.24
Power Sensor	R&S	NRP-Z11	101919	2014.10.24	2015.10.23
Power Sensor	Anritsu	MA2411B	1027253	2014.10.10	2015.10.09
Power Sensor	R&S	NRP-Z21	103971	2014.12.12	2015.12.11
Network Analyzer	Agilent	5071C	EMY46103472	2014.12.12	2015.12.11
Attenuator 1	PE	PE7005-10	N/A	2014.10.25	2015.10.24
Attenuator 2	PE	PE7005-3	N/A	2014.10.24	2015.10.23
Attenuator 3	Woken	WK0602-XX	N/A	2014.12.12	2015.12.11
Dual Directional Coupler	Agilent	778D	50422	2014.11.18	2015.11.17

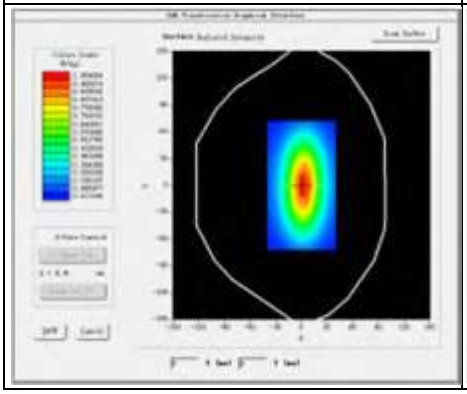
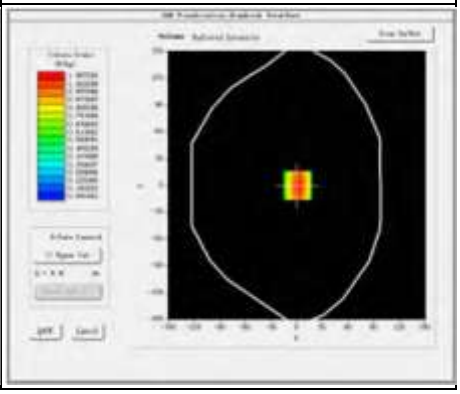
Appendix A. System Validation Plots

System Performance Check Data (750MHz Head)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2015-09-18
Measurement duration: 13 minutes 25 seconds

Experimental conditions

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

SURFACE SAR	VOLUME SAR
	

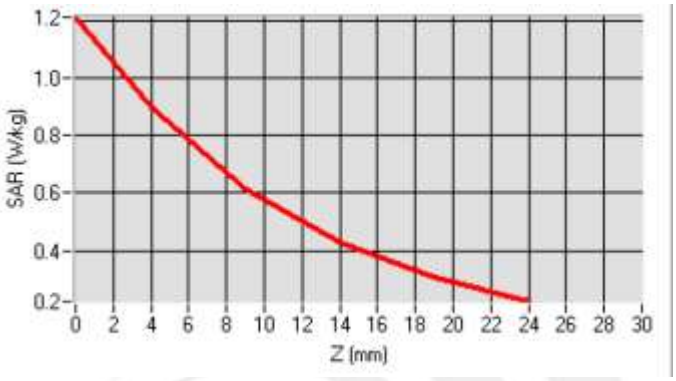
Maximum location: X=1.00, Y=0.00

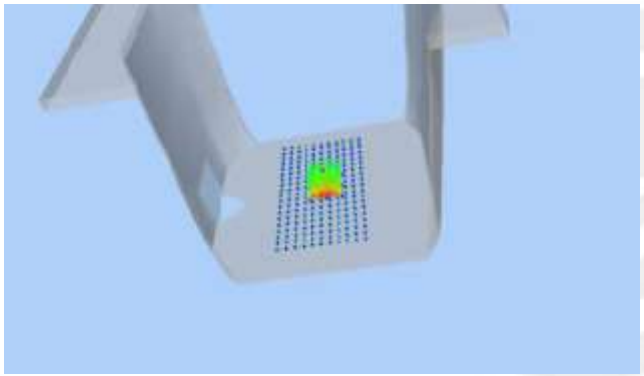
SAR Peak: 1.30 W/kg

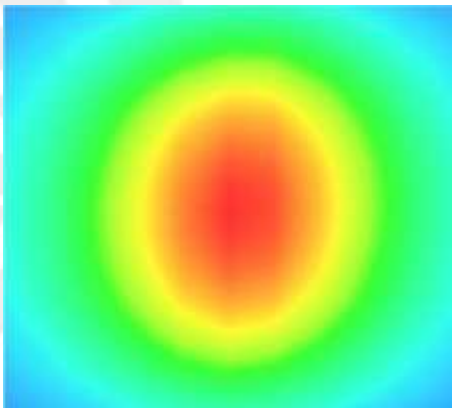
SAR 10g (W/Kg)	0.544560
SAR 1g (W/Kg)	0.838123

Z Axis Scan

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





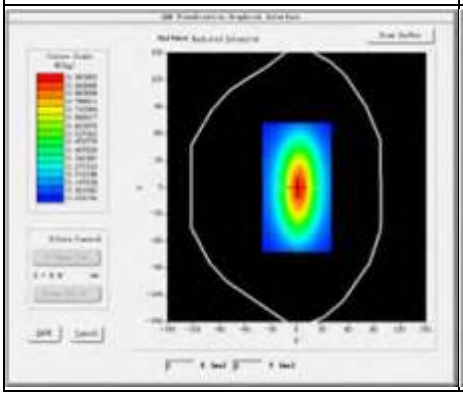
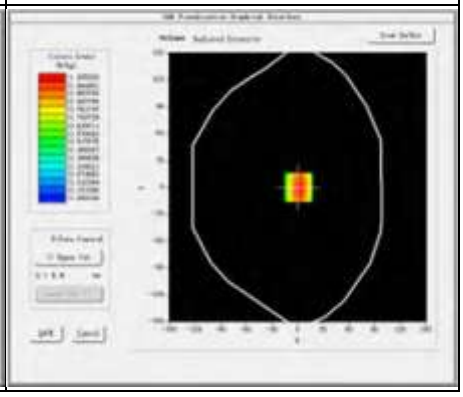


System Performance Check Data (835MHz Body)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2015-09-18
Measurement duration: 14 minutes 12 seconds

Experimental conditions.

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

SURFACE SAR	VOLUME SAR
	

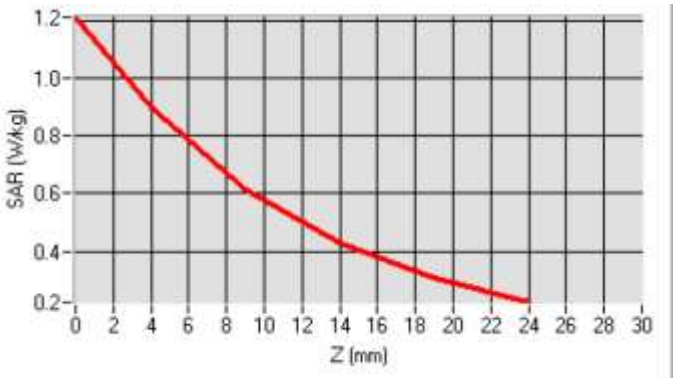
Maximum location: X=1.00, Y=0.00

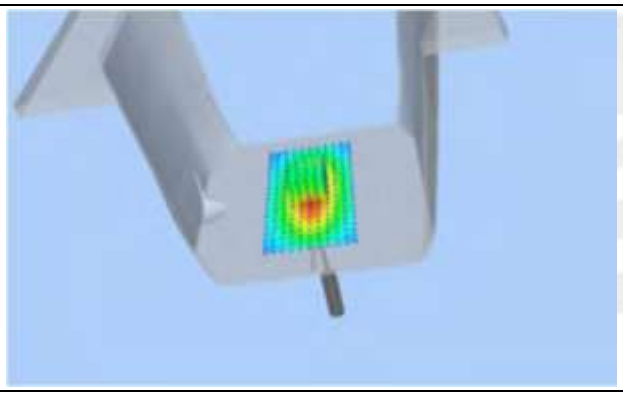
SAR Peak: 1.30 W/kg

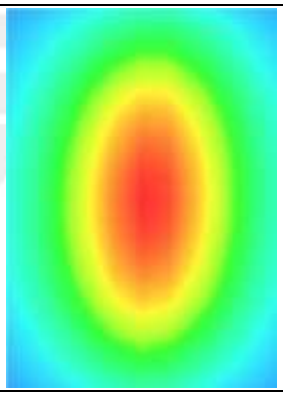
SAR 10g (W/Kg)	0.576142
SAR 1g (W/Kg)	0.856325

Z Axis Scan

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







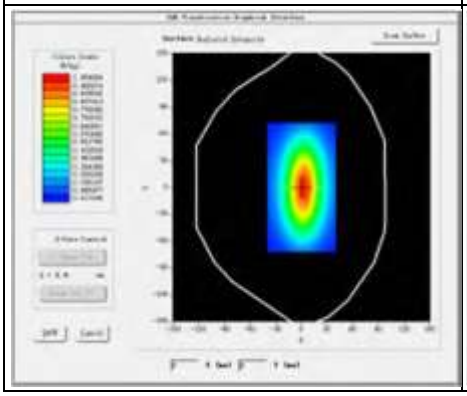
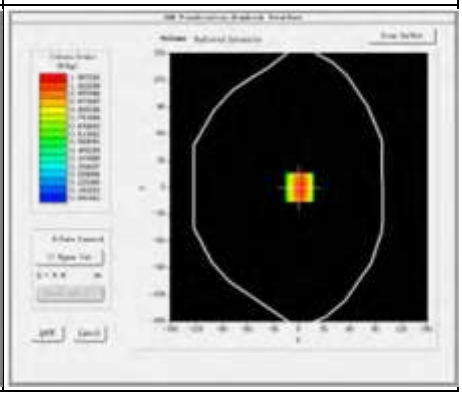
System Performance Check Data (835MHz Head)

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2015-09-18
Measurement duration: 13 minutes 27 seconds

Experimental conditions

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

SURFACE SAR	VOLUME SAR
	

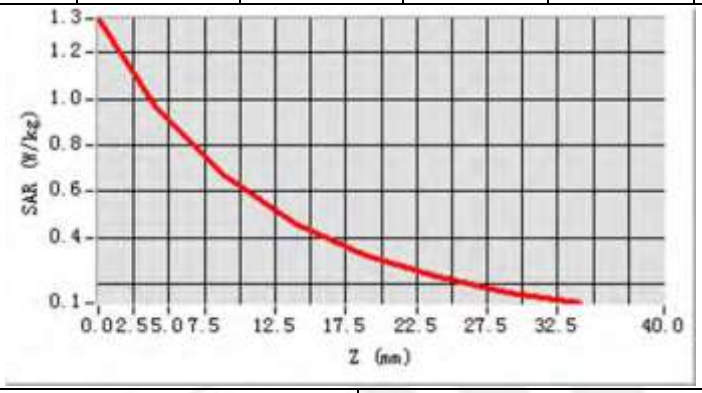
Maximum location: X=1.00, Y=0.00

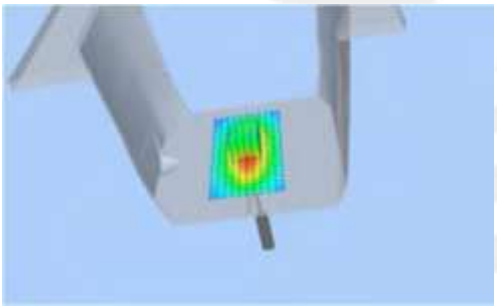
SAR Peak: 1.39 W/kg

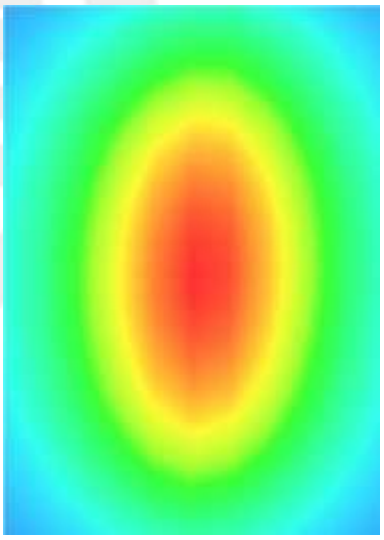
SAR 10g (W/Kg)	0.625623
SAR 1g (W/Kg)	0.937481

Z Axis Scan

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





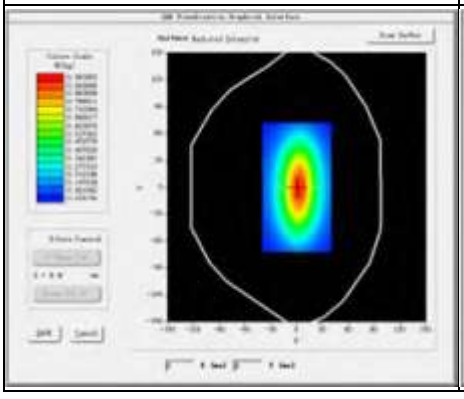
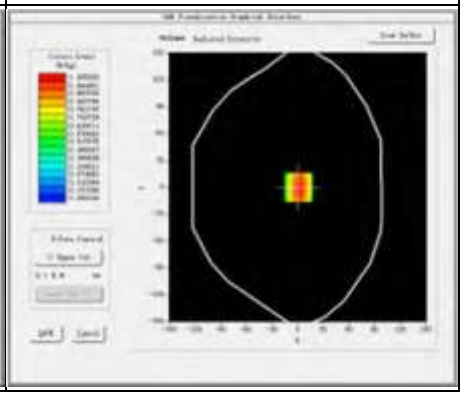


System Performance Check Data (835MHz Body)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2015-09-18
Measurement duration: 14 minutes 13 seconds

Experimental conditions.

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

SURFACE SAR	VOLUME SAR
	

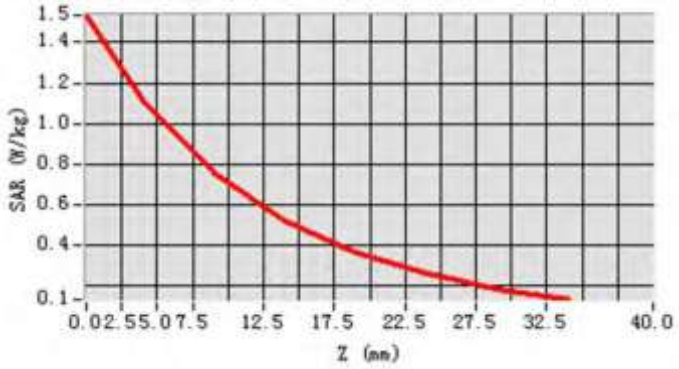
Maximum location: X=1.00, Y=0.00

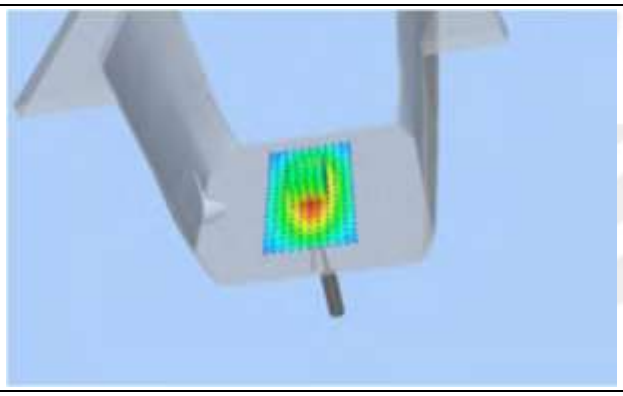
SAR Peak: 1.50 W/kg

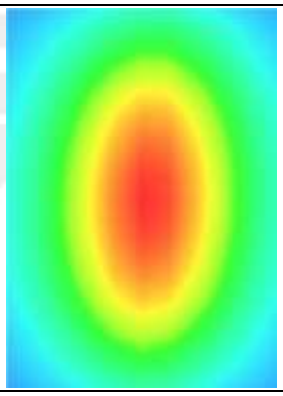
SAR 10g (W/Kg)	0.603221
SAR 1g (W/Kg)	0.946658

Z Axis Scan

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





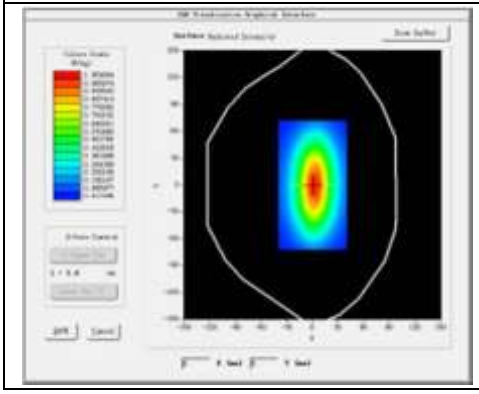
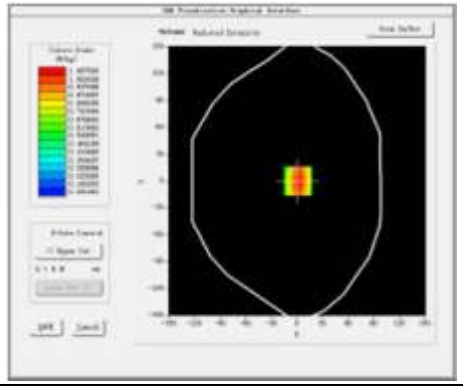


System Performance Check Data(1800MHz Head)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2015-09-18

Experimental conditions.

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

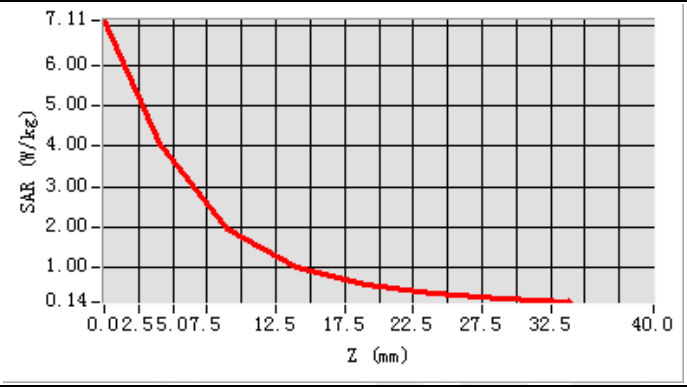
SURFACE SAR	VOLUME SAR
	

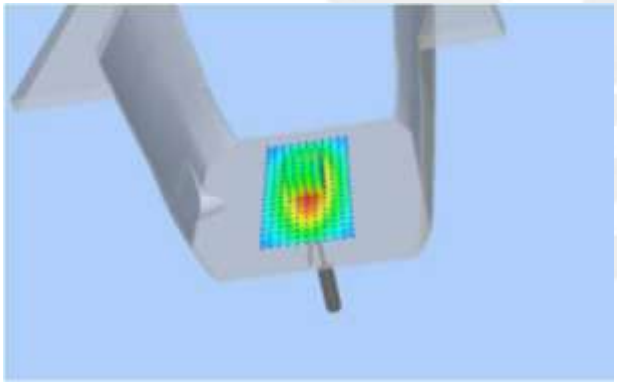
Maximum location: X=7.00, Y=-1.00

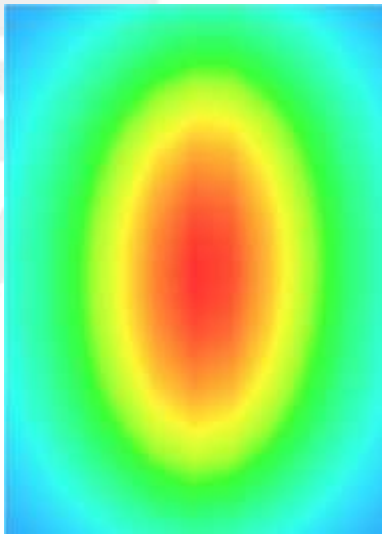
SAR 10g (W/Kg)	1.980247
SAR 1g (W/Kg)	3.760154

Z Axis Scan

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





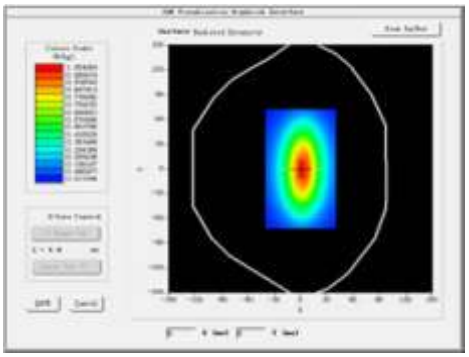
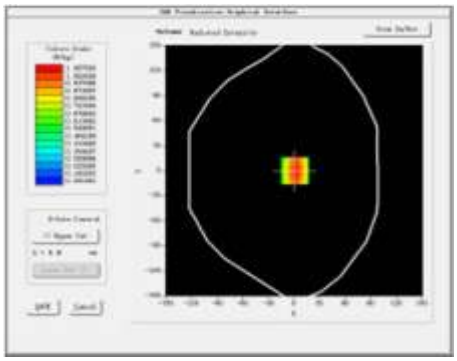


System Performance Check Data(1800MHz Body)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2015-09-18

Experimental conditions.

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

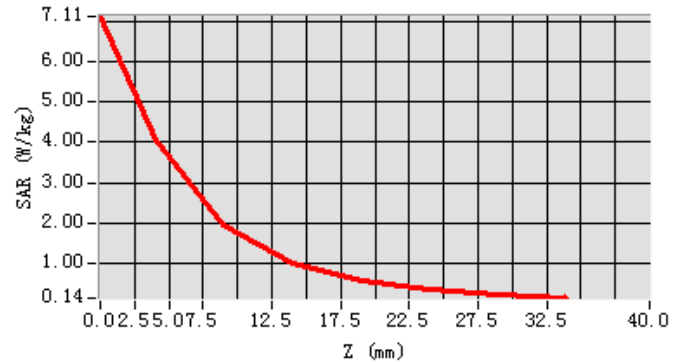
SURFACE SAR	VOLUME SAR
	

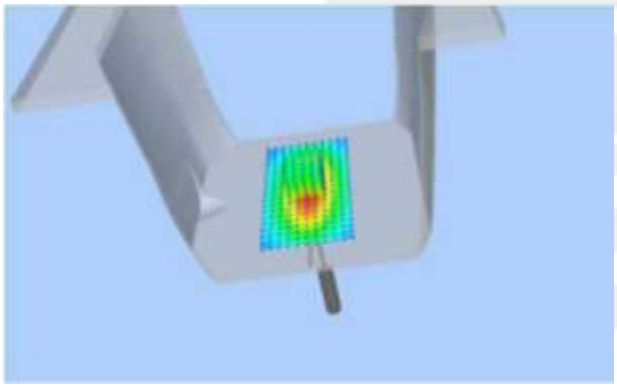
Maximum location: X=6.00, Y=2.00

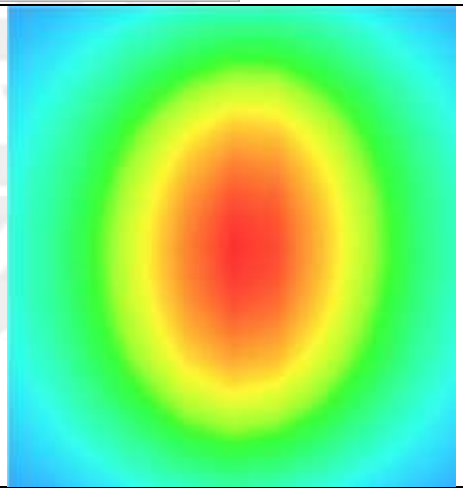
SAR 10g (W/Kg)	1.99658
SAR 1g (W/Kg)	3.88325

Z Axis Scan

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





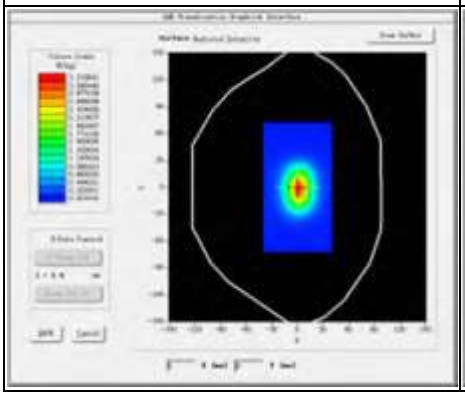
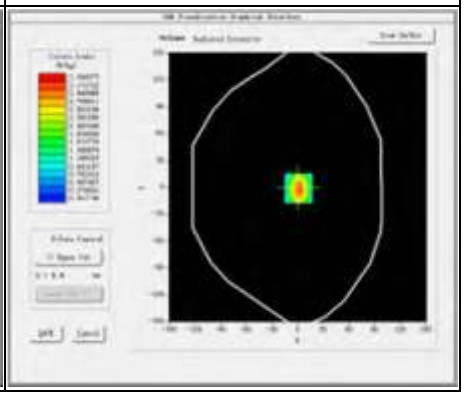


System Performance Check Data (1900MHz Head)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2015-09-18
Measurement duration: 14 minutes 12 seconds

Experimental conditions.

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

SURFACE SAR	VOLUME SAR
	

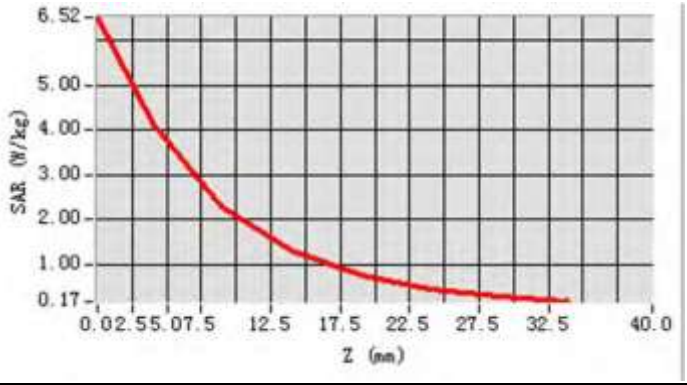
Maximum location: X=1.00, Y=0.00

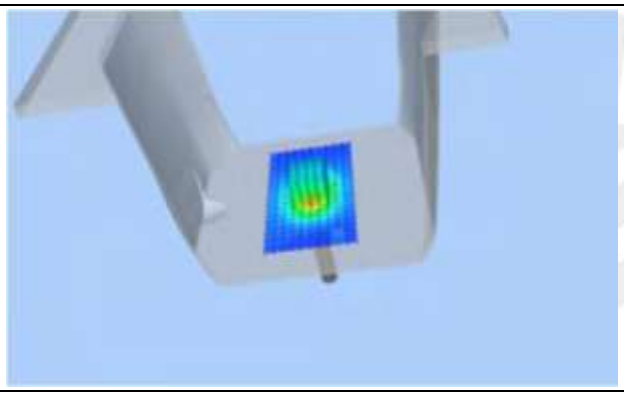
SAR Peak: 5.41 W/kg

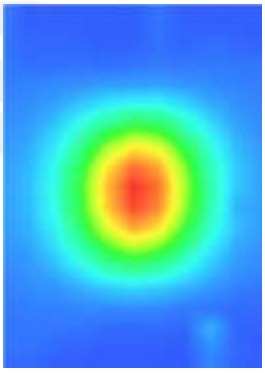
SAR 10g (W/Kg)	1.967525
SAR 1g (W/Kg)	3.856235

Z Axis Scan

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





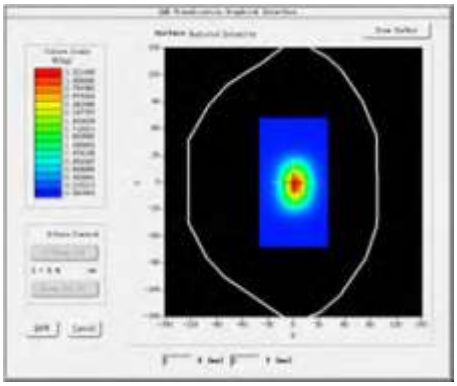
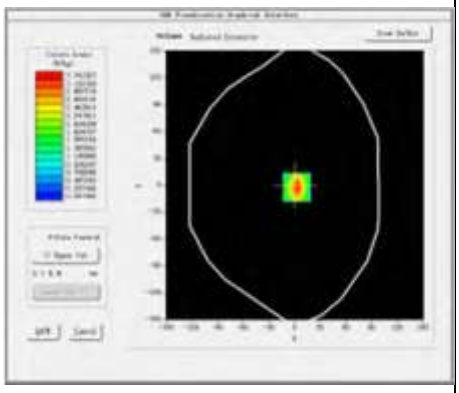


System Performance Check Data (1900MHz Body)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2015-09-18
Measurement duration: 14 minutes 46 seconds

Experimental conditions.

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

SURFACE SAR	VOLUME SAR
	

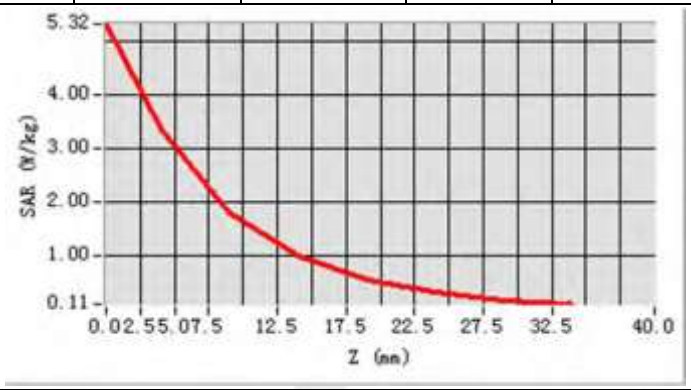
Maximum location: X=2.00, Y=2.00

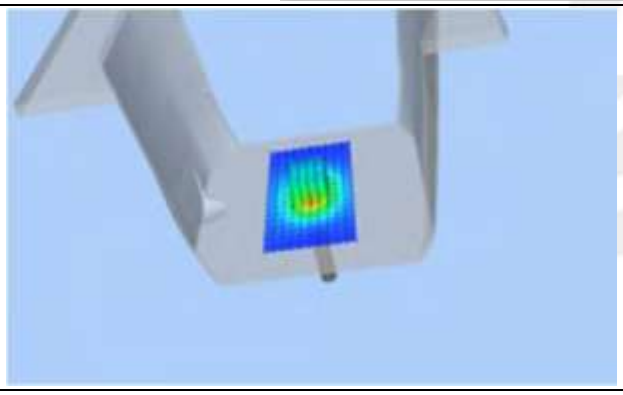
SAR Peak: 5.27 W/kg

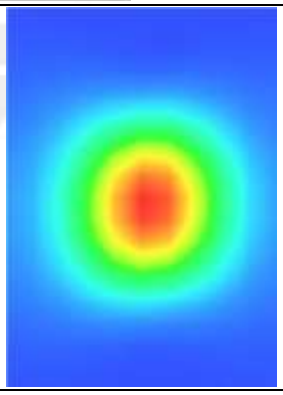
SAR 10g (W/Kg)	2.265354
SAR 1g (W/Kg)	3.986583

Z Axis Scan

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





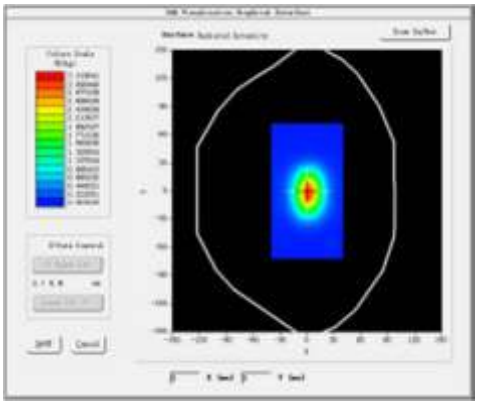
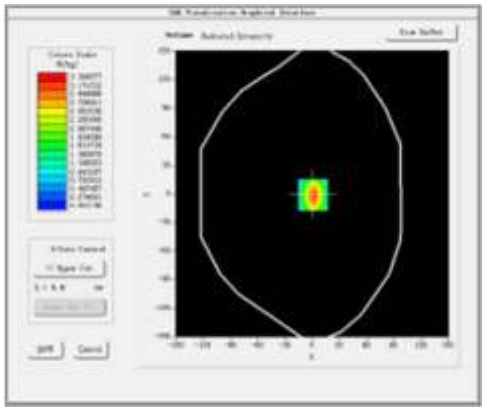


System Performance Check Data (2450MHz Head)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2015-09-18
Measurement duration: 13 minutes 51seconds

Experimental conditions.

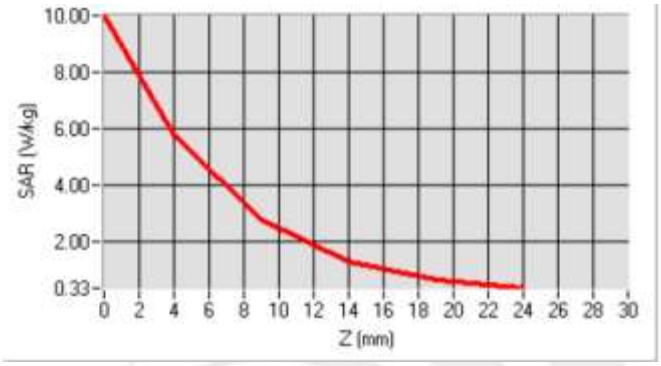
Device Position	Validation plane
Band	2450 MHz
Channels	-
Signal	CW
Frequency (MHz)	2450
Relative permittivity (real part)	39.176002
Relative permittivity	12.930000
Conductivity (S/m)	1.88
Power drift (%)	-1.200000
Ambient Temperature	22.7°C
Liquid Temperature	22.3°C
Probe	SN 17/14 EP221
ConvF	4.11
Crest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

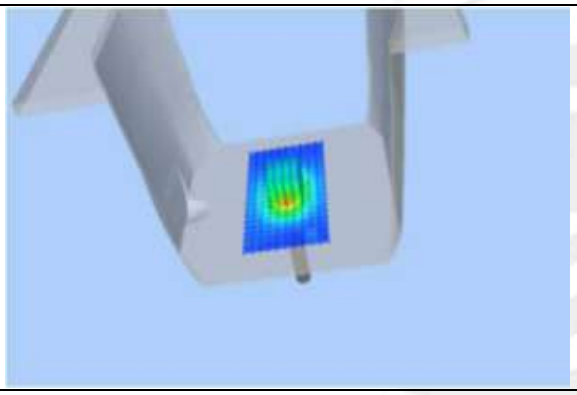
SURFACE SAR	VOLUME SAR
	

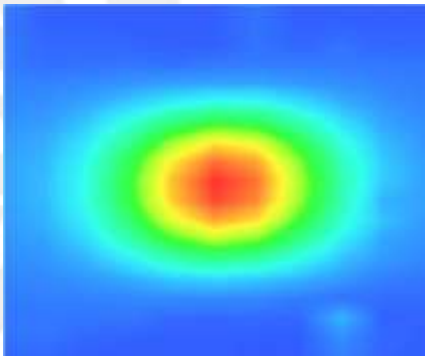
Maximum location: X=7.00, Y=6.00

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

Z Axis Scan





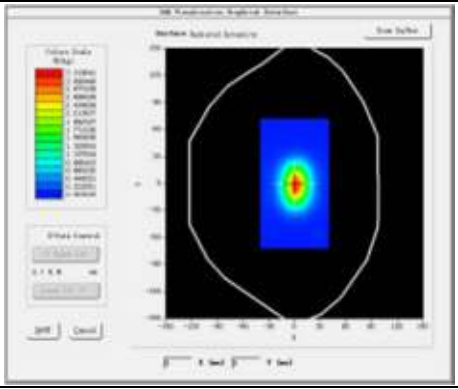
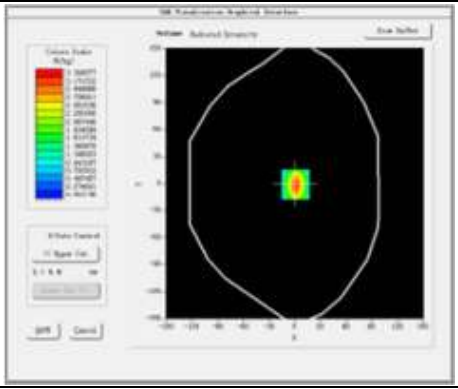


System Performance Check Data (2450MHz Body)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2015-09-18
Measurement duration: 14 minutes 23 seconds

Experimental conditions.

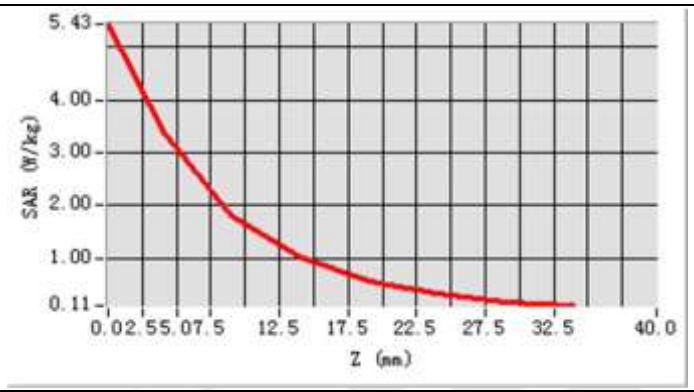
Device Position	Validation plane
Band	2450 MHz
Channels	-
Signal	CW
Frequency (MHz)	2450
Relative permittivity (real part)	52.316002
Relative permittivity	12.930000
Conductivity (S/m)	2.12
Power drift (%)	-1.200000
Ambient Temperature	22.7°C
Liquid Temperature	22.3°C
Probe	SN 17/14 EP221
ConvF	4.25
Crest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

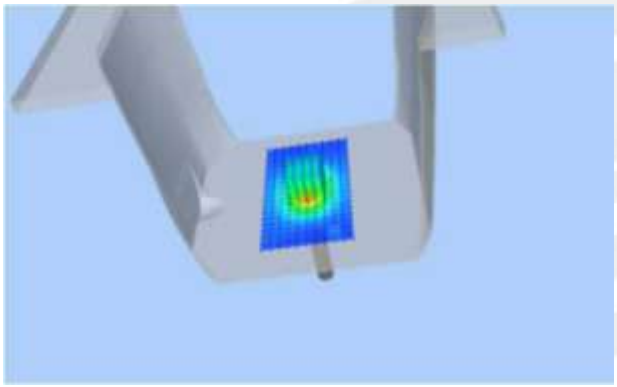
SURFACE SAR	VOLUME SAR
	

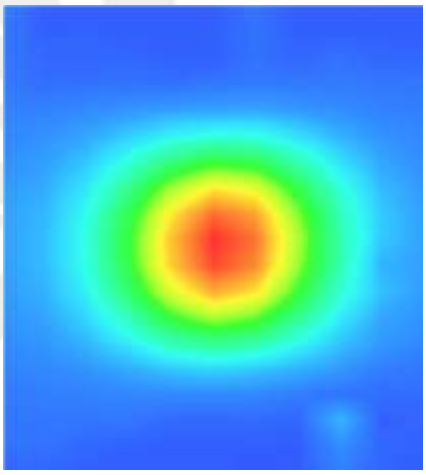
Maximum location: X=3.00, Y=1.00

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

Z Axis Scan







Appendix B. SAR Test Plots

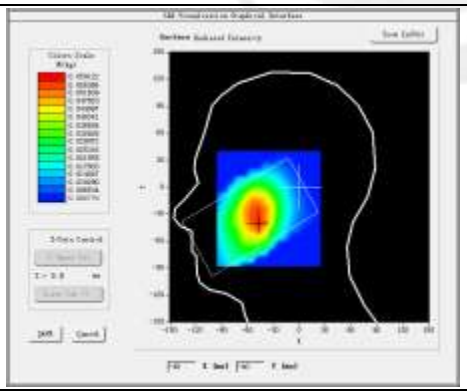
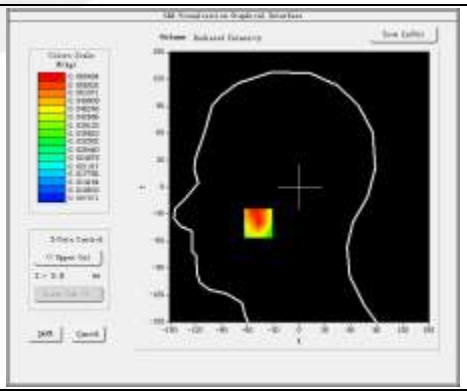
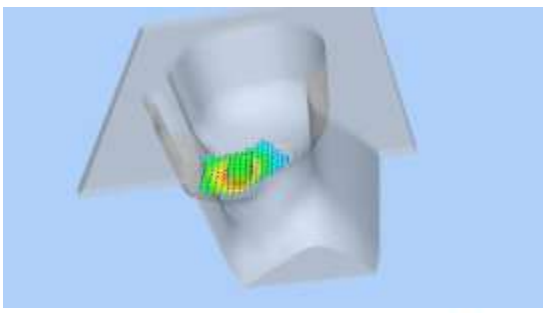
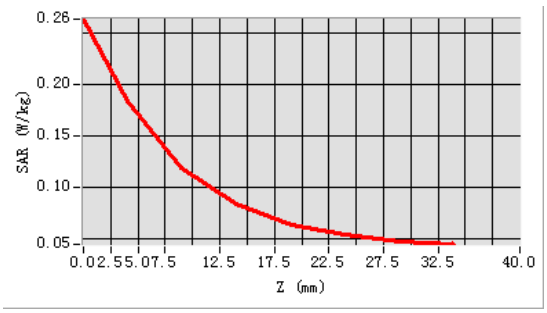
Plot 1: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	4.83
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Right head
Device Position	Cheek
Band	GSM850
Channels	High
Signal	TDMA (Crest factor: 8.32)
Frequency (MHz)	848.8
Relative permittivity (real part)	41.5
Conductivity (S/m)	0.90
Variation (%)	-3.74

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

SAR Peak: 0.29 W/kg

SAR 10g (W/Kg)	0.091006
SAR 1g (W/Kg)	0.140085

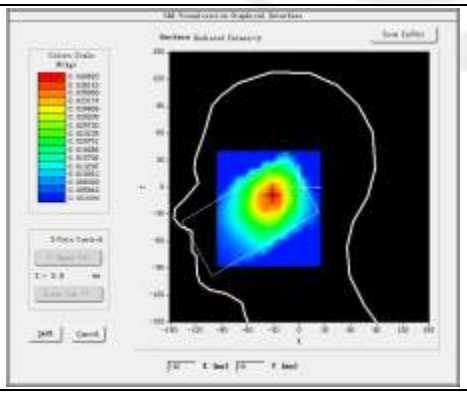
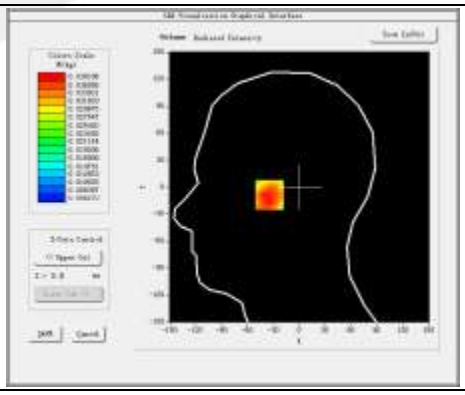
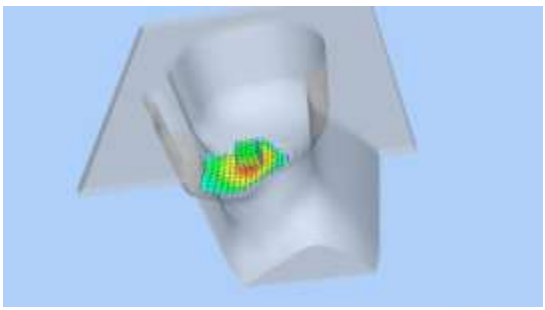
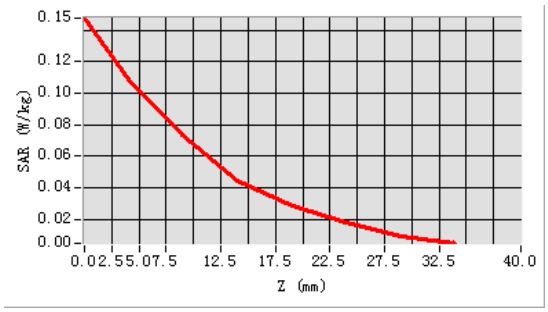
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 2: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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)	848.8
Relative permittivity (real part)	41.5
Conductivity (S/m)	0.90
Variation (%)	-2.91

Maximum location: X=-80.00, Y=-24.00
SAR Peak: 0.15 W/kg

SAR 10g (W/Kg)	0.033006
SAR 1g (W/Kg)	0.066490

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

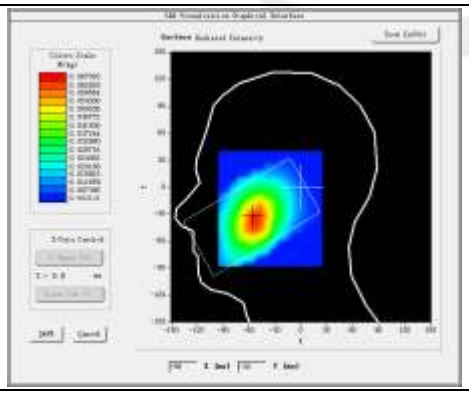
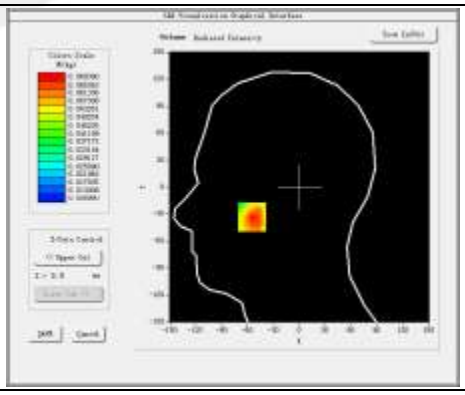
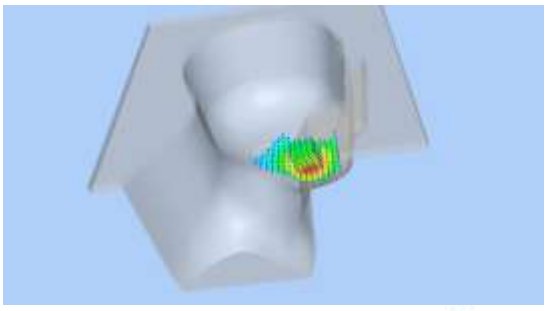
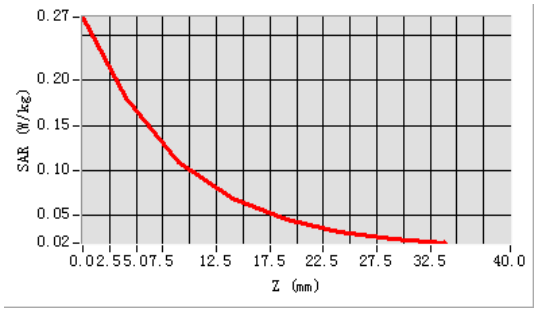
Plot 3: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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)	848.8
Relative permittivity (real part)	41.5
Conductivity (S/m)	0.90
Variation (%)	-0.91

Maximum location: X=-56.00, Y=-46.00

SAR Peak: 0.29 W/kg

SAR 10g (W/Kg)	0.138774
SAR 1g (W/Kg)	0.203005

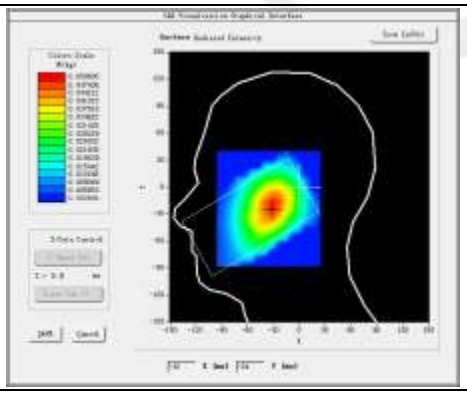
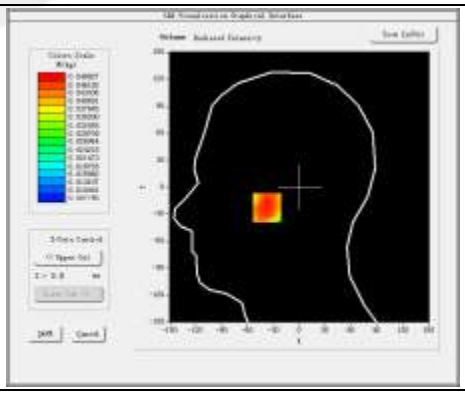
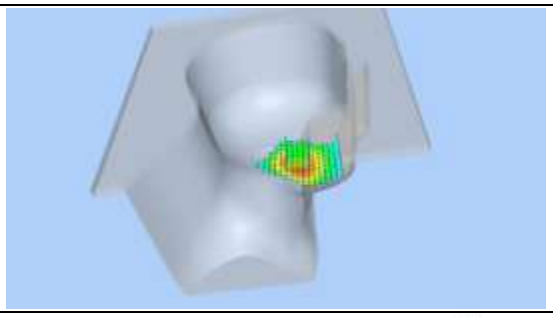
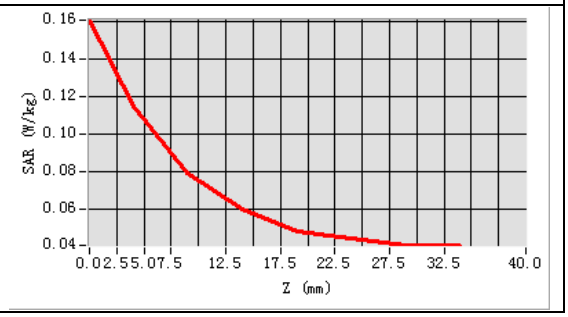
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 4: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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)	848.8
Relative permittivity (real part)	41.5
Conductivity (S/m)	0.90
Variation (%)	2.53

Maximum location: X=-57.00, Y=-63.00
SAR Peak: 0.19 W/kg

SAR 10g (W/Kg)	0.051203
SAR 1g (W/Kg)	0.154428

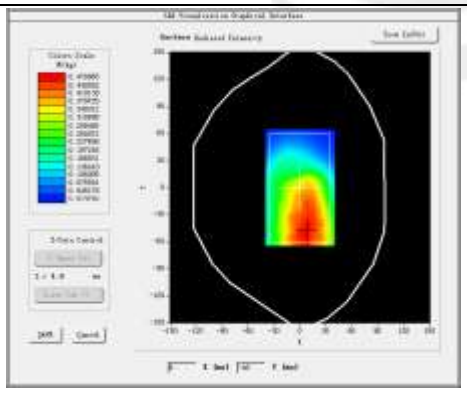
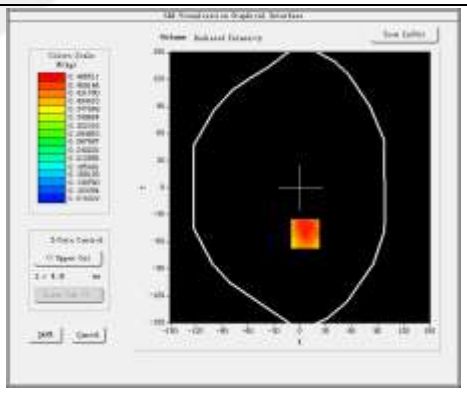
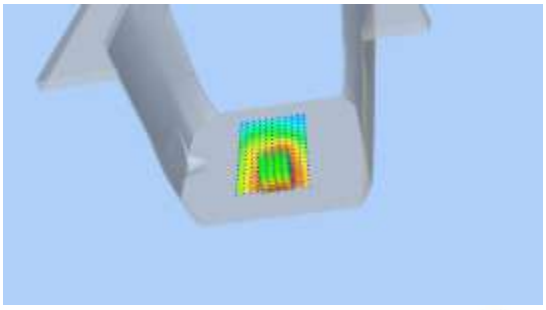
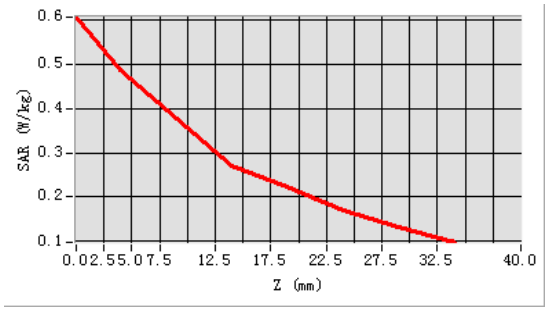
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 5: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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	Low
Signal	Duty Cycle: 4.00 (Crest factor: 4.0)
Frequency (MHz)	824.2
Relative permittivity (real part)	55.20
Conductivity (S/m)	0.97
Variation (%)	1.28

Maximum location: X=16.00, Y=-16.00
SAR Peak: 0.59 W/kg

SAR 10g (W/Kg)	0.181178
SAR 1g (W/Kg)	0.330354

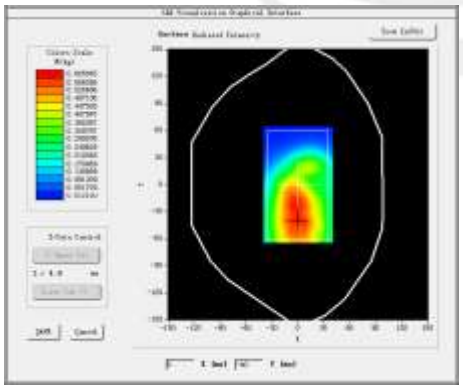
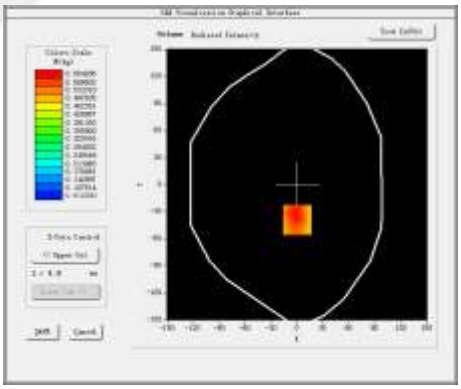
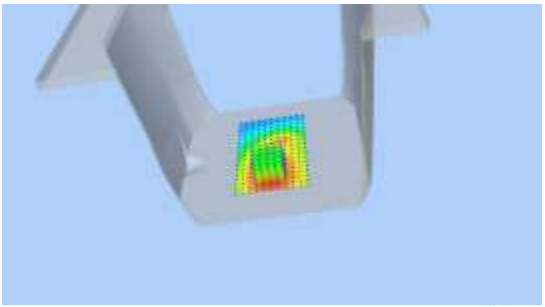
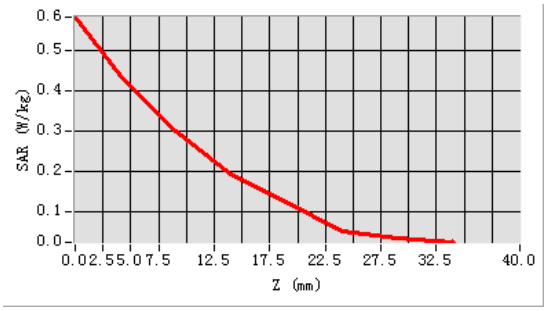
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 6: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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	Low
Signal	Duty Cycle: 4.00 (Crest factor: 4.0)
Frequency (MHz)	824.2
Relative permittivity (real part)	55.20
Conductivity (S/m)	0.97
Variation (%)	-4.81

Maximum location: X=1.00, Y=7.00
SAR Peak: 0.70 W/kg

SAR 10g (W/Kg)	0.257344
SAR 1g (W/Kg)	0.405045

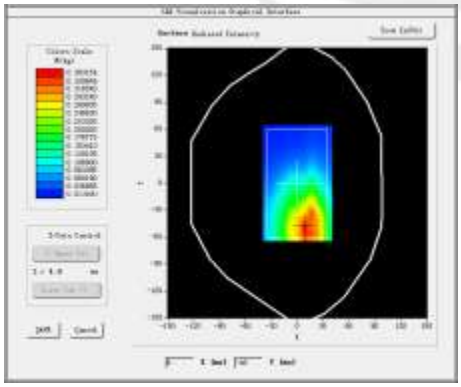
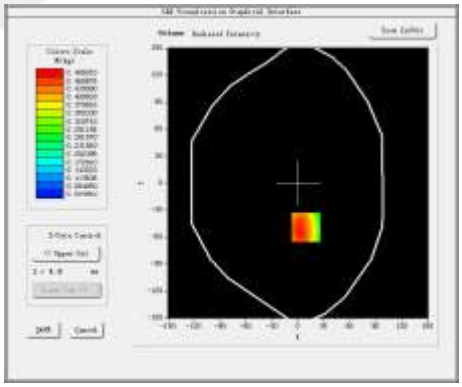
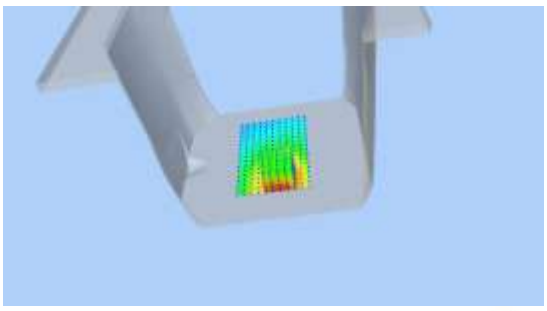
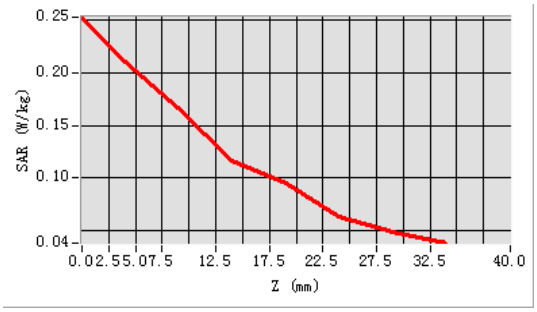
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 7: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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 lift side
Band	GPRS 850
Channels	Low
Signal	Duty Cycle: 4.00 (Crest factor: 4.0)
Frequency (MHz)	824.2
Relative permittivity (real part)	55.20
Conductivity (S/m)	0.97
Variation (%)	3.25

Maximum location: X=9.00, Y=-49.00
SAR Peak: 0.25 W/kg

SAR 10g (W/Kg)	0.096112
SAR 1g (W/Kg)	0.179661

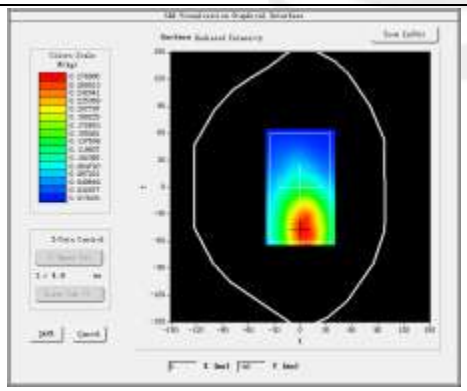
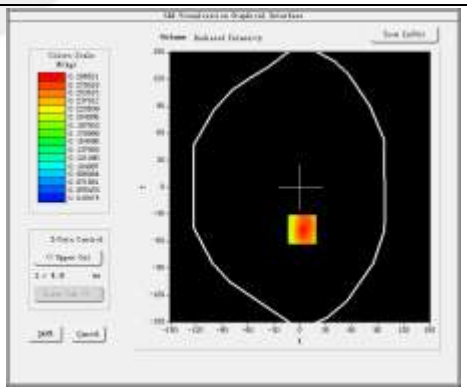
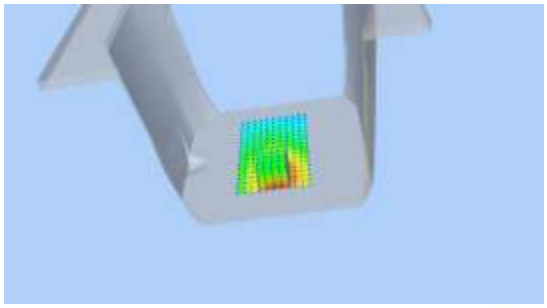
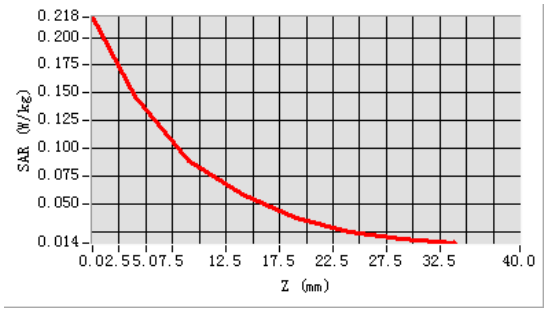
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 8: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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	Low
Signal	Duty Cycle: 4.00 (Crest factor: 4.0)
Frequency (MHz)	824.2
Relative permittivity (real part)	55.20
Conductivity (S/m)	0.97
Variation (%)	-4.54

Maximum location: X=2.00, Y=-47.00
SAR Peak: 0.22 W/kg

SAR 10g (W/Kg)	0.084418
SAR 1g (W/Kg)	0.175225

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

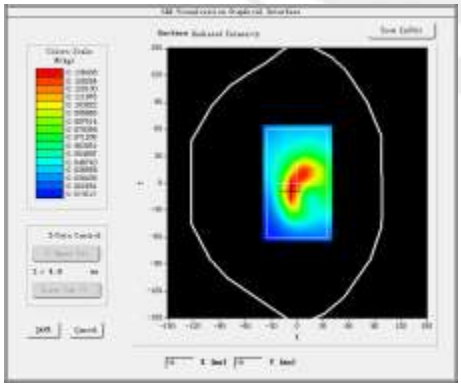
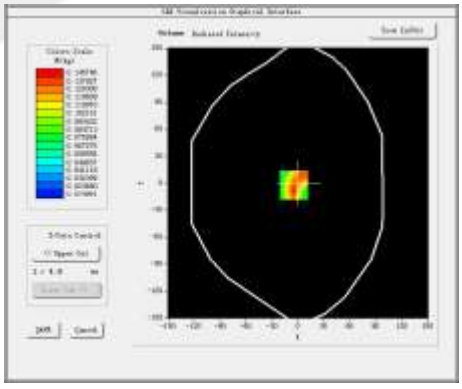
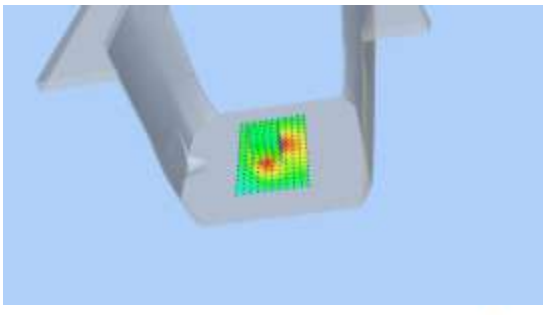
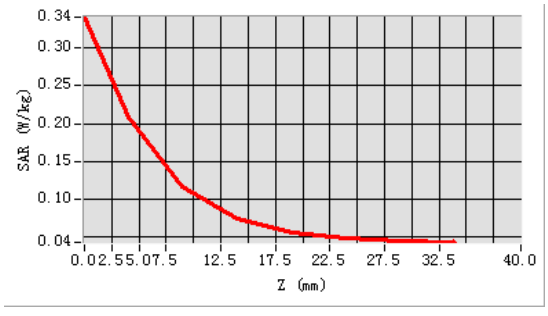
Plot 9: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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	Low
Signal	Duty Cycle: 4.00 (Crest factor: 4.0)
Frequency (MHz)	824.2
Relative permittivity (real part)	55.20
Conductivity (S/m)	0.97
Variation (%)	-2.91

Maximum location: X=16.00, Y=24.00

SAR Peak: 0.35 W/kg

SAR 10g (W/Kg)	0.080564
SAR 1g (W/Kg)	0.137347

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

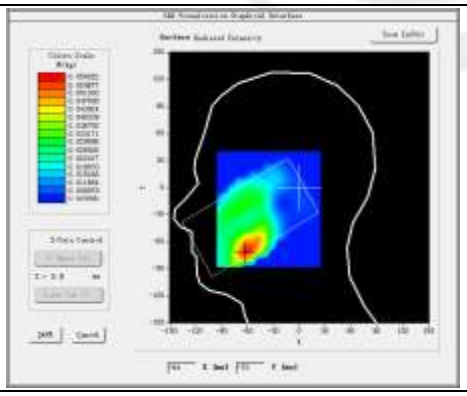
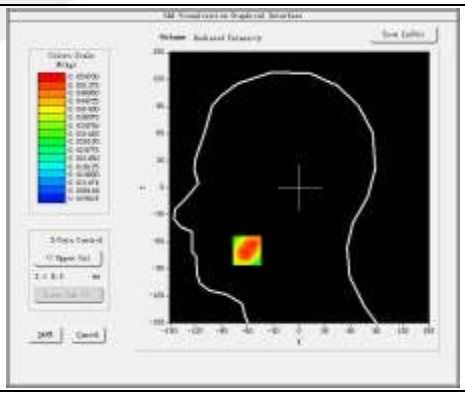
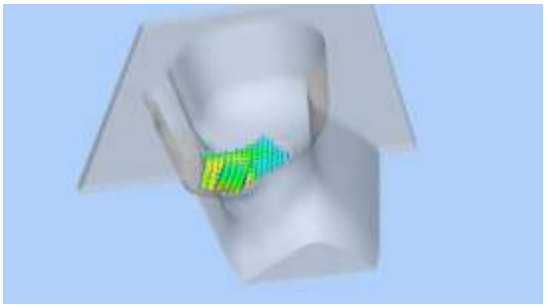
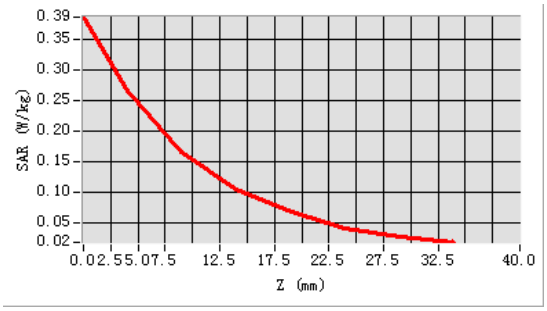
Plot 10: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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	Low
Signal	TDMA (Crest factor: 4.0)
Frequency (MHz)	1850.2
Relative permittivity (real part)	40.00
Conductivity (S/m)	1.40
Variation (%)	2.45

Maximum location: X=-49.00, Y=-63.00

SAR Peak: 0.44 W/kg

SAR 10g (W/Kg)	0.151505
SAR 1g (W/Kg)	0.267908

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

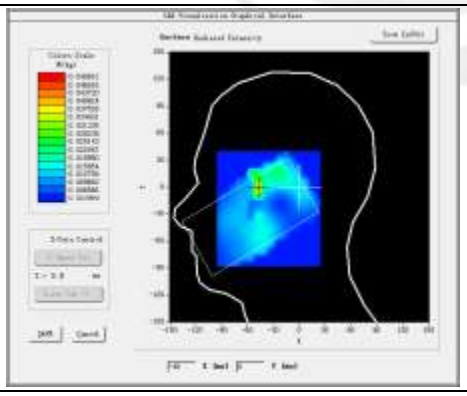
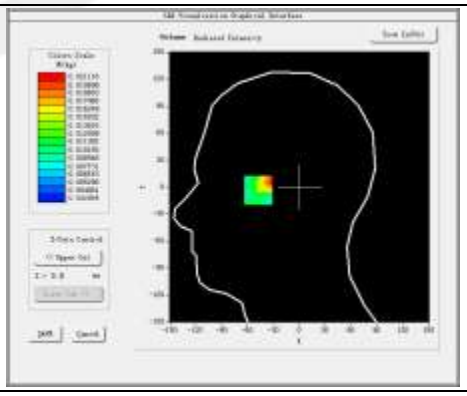
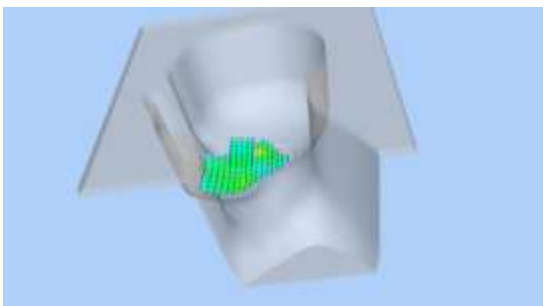
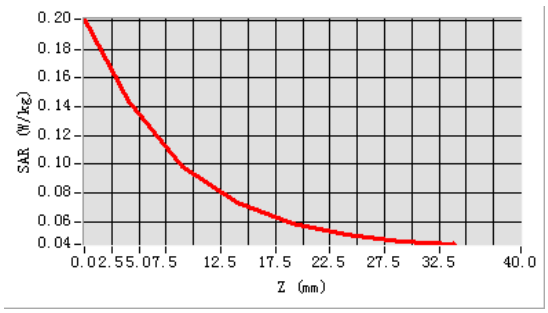
Plot 11: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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	GSM1900
Channels	Low
Signal	TDMA (Crest factor: 4.0)
Frequency (MHz)	1850.2
Relative permittivity (real part)	40.00
Conductivity (S/m)	1.40
Variation (%)	0.64

Maximum location: X=-44.00, Y=7.00

SAR Peak: 0.20 W/kg

SAR 10g (W/Kg)	0.076565
SAR 1g (W/Kg)	0.116734

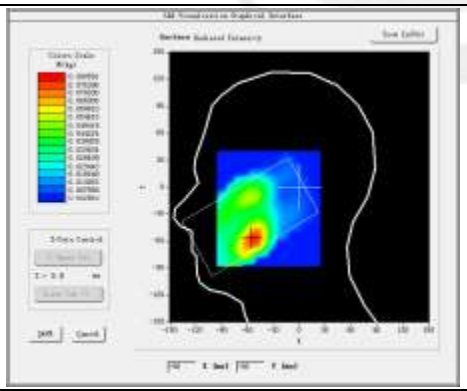
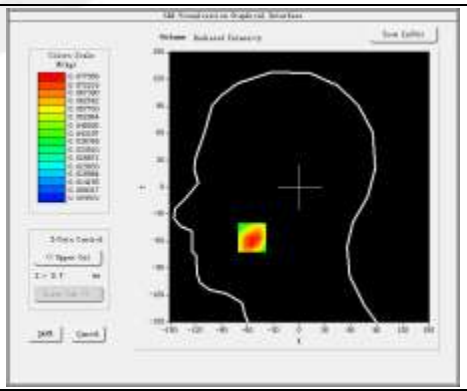
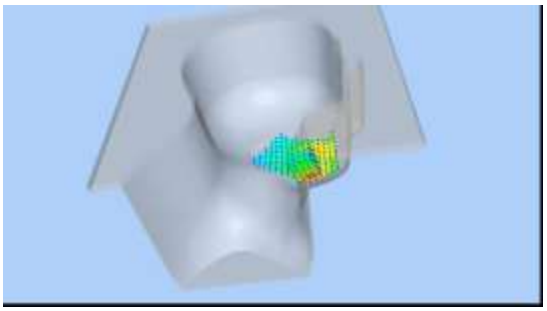
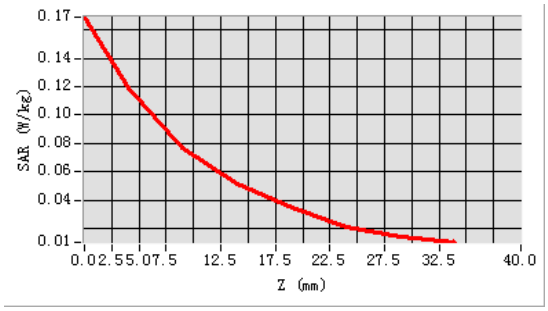
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 12: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	4.71
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	GSM1900
Channels	Low
Signal	TDMA (Crest factor: 4.0)
Frequency (MHz)	1850.2
Relative permittivity (real part)	40.00
Conductivity (S/m)	1.40
Variation (%)	0.09

Maximum location: X=-65.00, Y=-15.00
SAR Peak: 0.17 W/kg

SAR 10g (W/Kg)	0.070282
SAR 1g (W/Kg)	0.115154

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

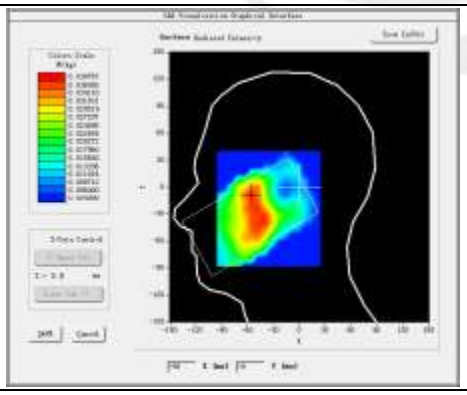
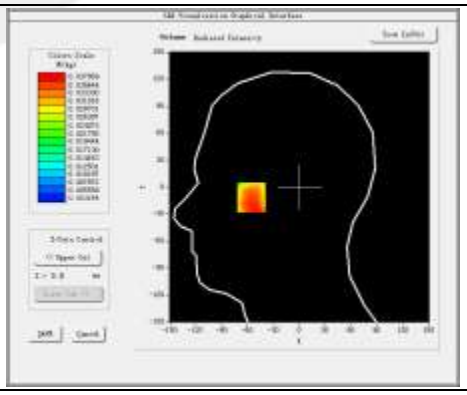
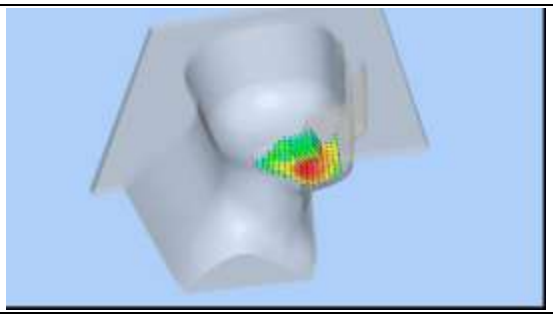
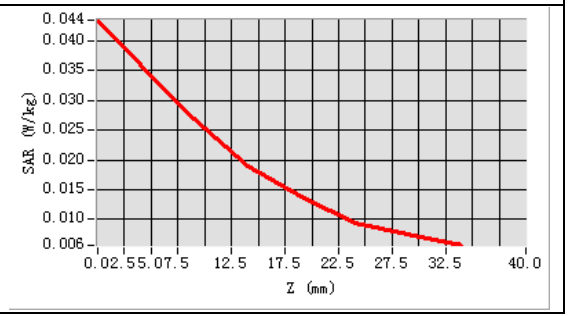
Plot 13: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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	GSM1900
Channels	Low
Signal	TDMA (Crest factor: 4.0)
Frequency (MHz)	1850.2
Relative permittivity (real part)	40.00
Conductivity (S/m)	1.40
Variation (%)	2.76

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

SAR Peak: 0.05 W/kg

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

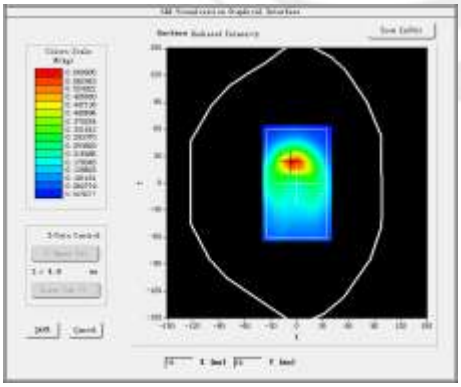
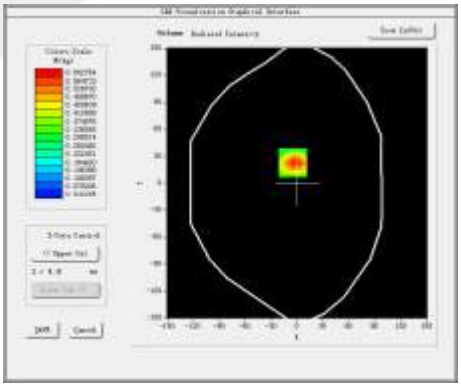
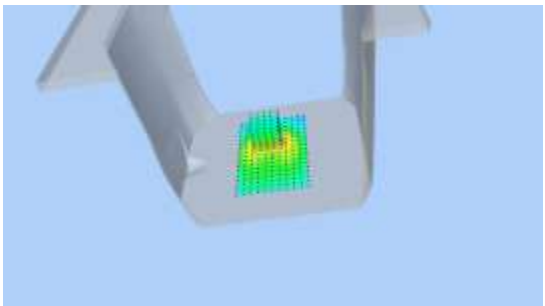
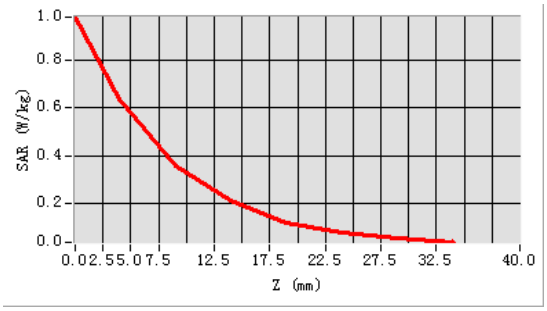
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 14: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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	Low
Signal	Duty Cycle: 4.00 (Crest factor: 4.0)
Frequency (MHz)	1850.2
Relative permittivity (real part)	53.30
Conductivity (S/m)	1.52
Variation (%)	-2.03

Maximum location: X=31.00, Y=-9.00
SAR Peak:1.05 W/kg

SAR 10g (W/Kg)	0.352375
SAR 1g (W/Kg)	0.618476

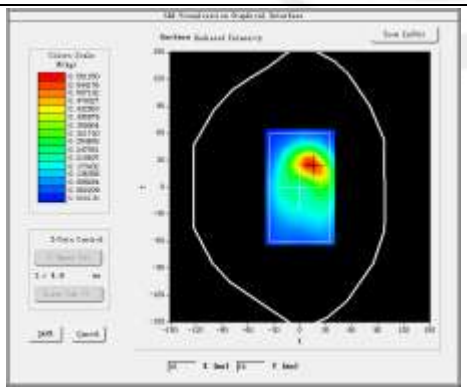
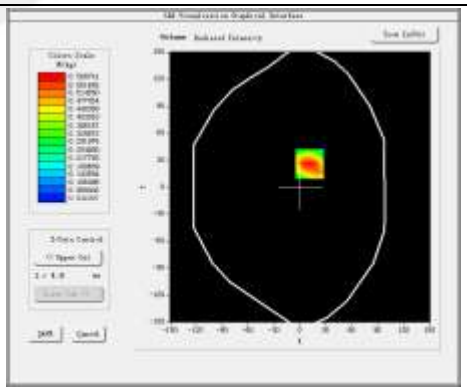
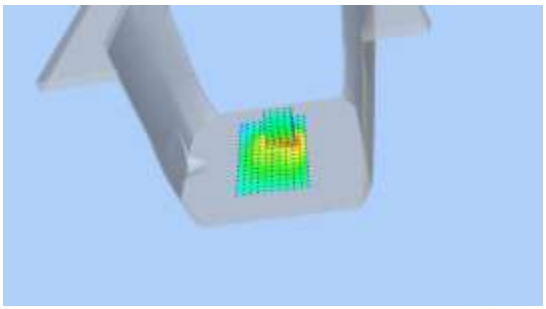
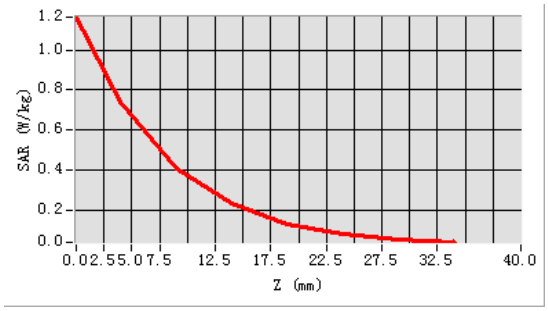
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 15: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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	Low
Signal	Duty Cycle: 4.00 (Crest factor: 4.0)
Frequency (MHz)	1850.2
Relative permittivity (real part)	53.30
Conductivity (S/m)	1.52
Variation (%)	-1.36

Maximum location: X=34.00, Y=-5.00
SAR Peak: 1.18 W/kg

SAR 10g (W/Kg)	0.394068
SAR 1g (W/Kg)	0.706490

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

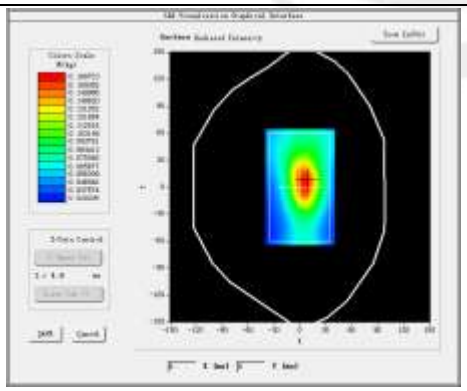
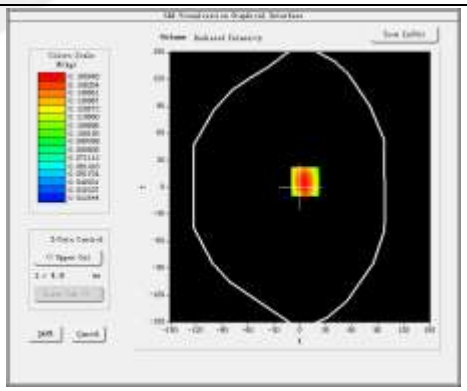
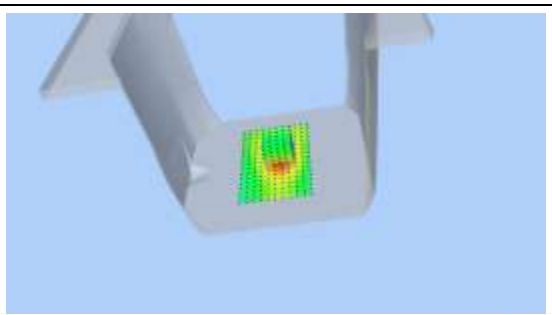
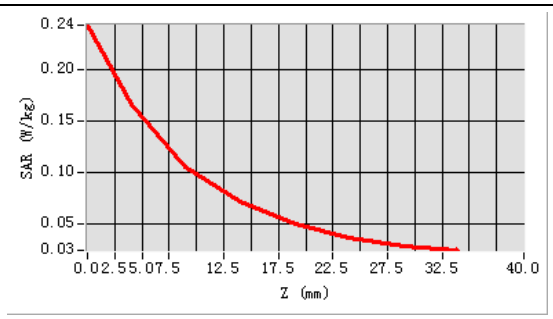
Plot 16: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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	Low
Signal	Duty Cycle: 4.00 (Crest factor: 4.0)
Frequency (MHz)	1850.2
Relative permittivity (real part)	53.30
Conductivity (S/m)	1.52
Variation (%)	-0.71

Maximum location: X=6.00, Y=6.00

SAR Peak: 0.25 W/kg

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

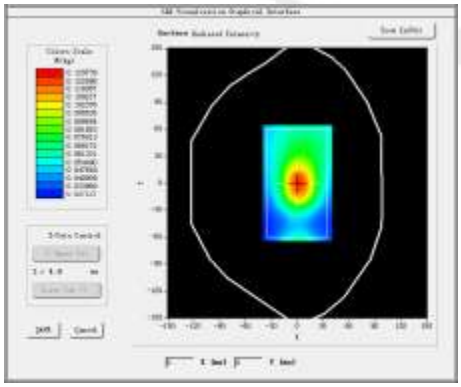
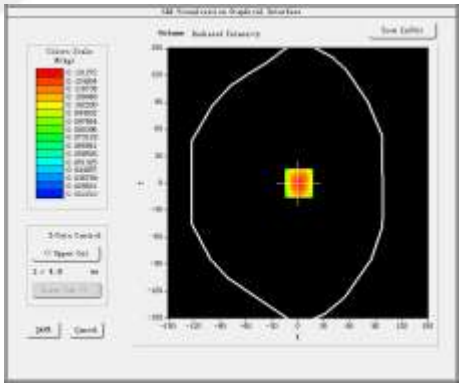
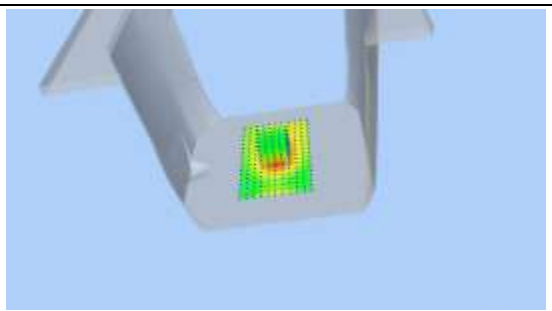
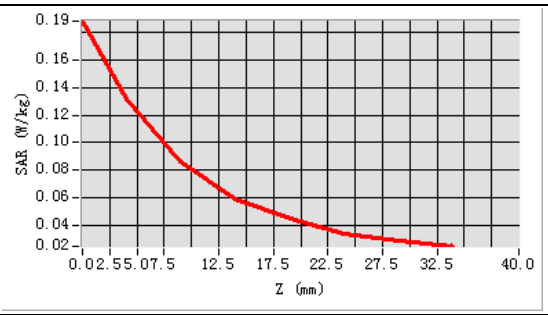
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 17: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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 lift side
Band	GPRS 1900
Channels	Low
Signal	Duty Cycle: 4.00 (Crest factor: 4.0)
Frequency (MHz)	1850.2
Relative permittivity (real part)	53.30
Conductivity (S/m)	1.52
Variation (%)	-1.00

Maximum location: X=1.00, Y=0.00
SAR Peak: 0.19 W/kg

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

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

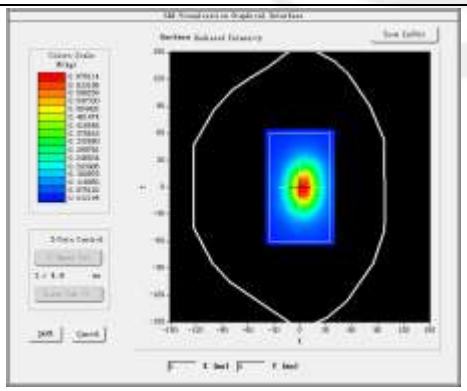
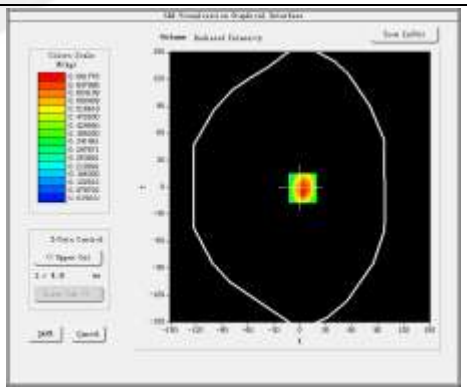
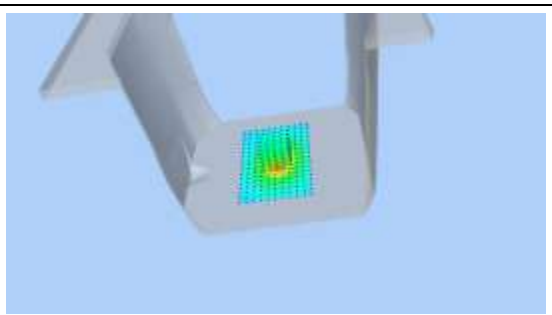
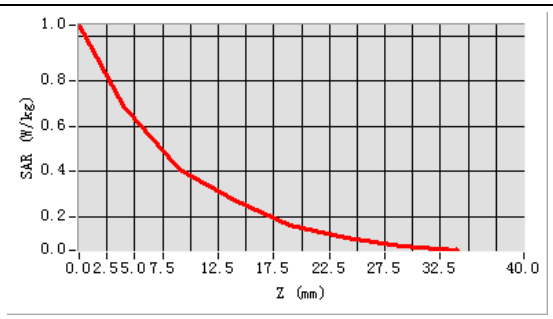
Plot 18: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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	Low
Signal	Duty Cycle: 4.00 (Crest factor: 4.0)
Frequency (MHz)	1850.2
Relative permittivity (real part)	53.30
Conductivity (S/m)	1.52
Variation (%)	0.53

Maximum location: X=13.00, Y=0.00

SAR Peak: 0.95 W/kg

SAR 10g (W/Kg)	0.340085
SAR 1g (W/Kg)	0.594109

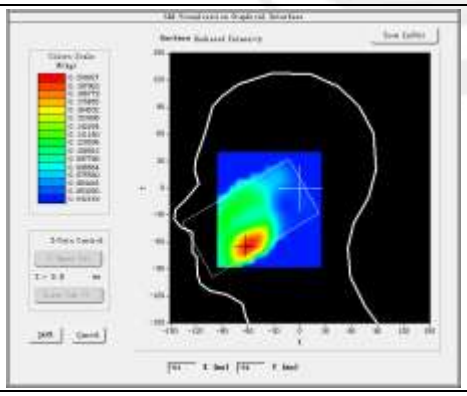
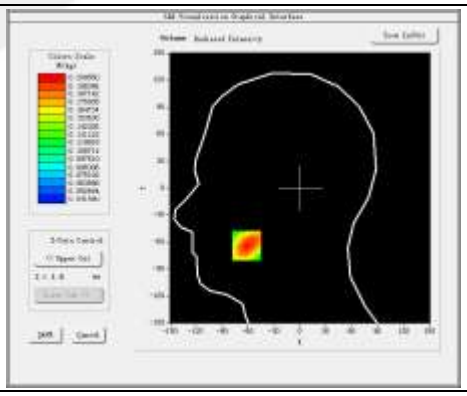
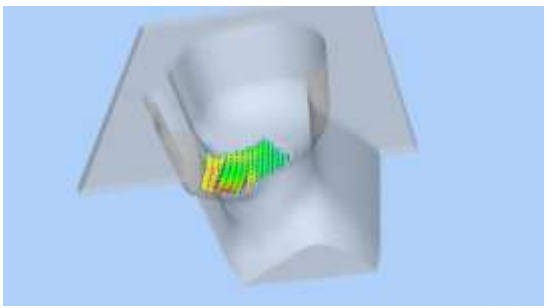
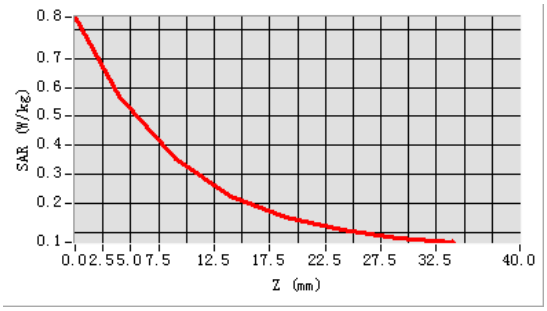
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 19: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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)	1907.6
Relative permittivity (real part)	40.00
Conductivity (S/m)	1.40
Variation (%)	-0.14

Maximum location: X=-53.00, Y=-60.00
SAR Peak: 0.84 W/kg

SAR 10g (W/Kg)	0.328967
SAR 1g (W/Kg)	0.551491

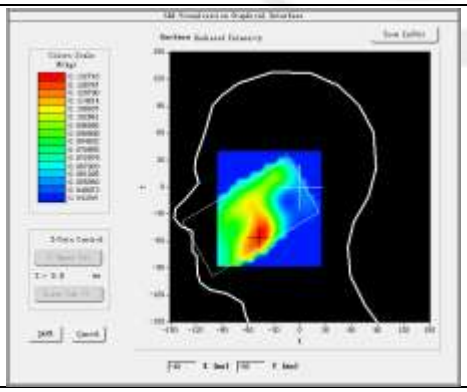
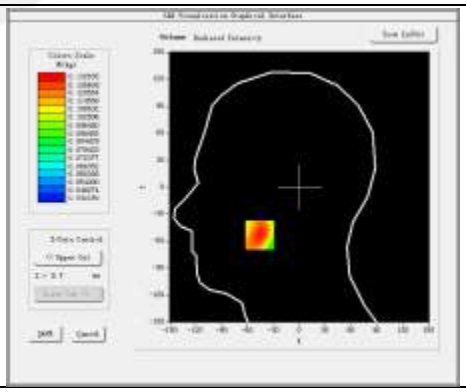
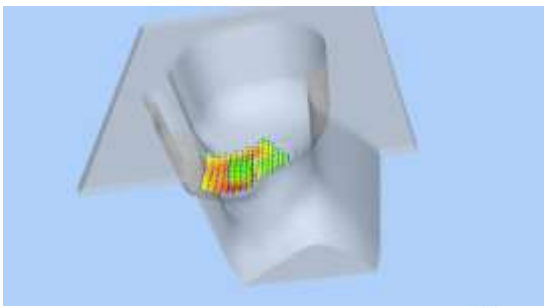
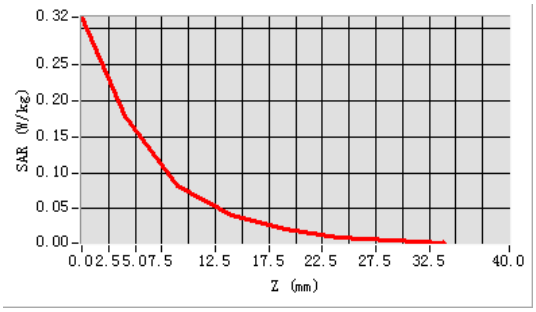
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 20: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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)	1907.6
Relative permittivity (real part)	40.00
Conductivity (S/m)	1.40
Variation (%)	0.40

Maximum location: X=-46.00, Y=-53.00
SAR Peak: 0.32 W/kg

SAR 10g (W/Kg)	0.159346
SAR 1g (W/Kg)	0.236786

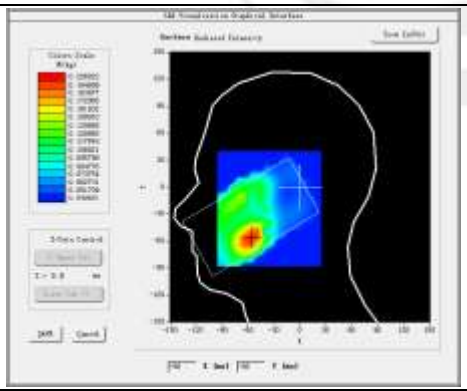
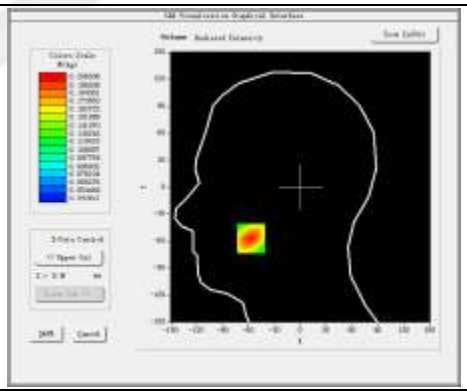
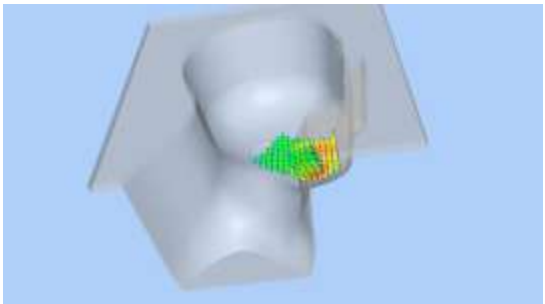
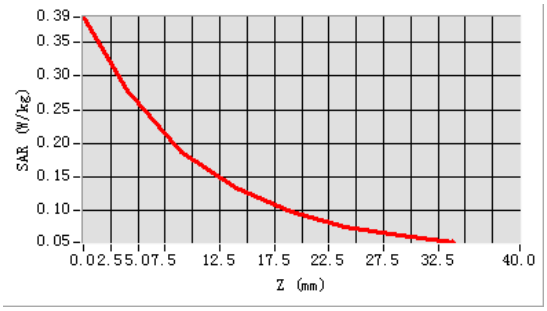
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 21: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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)	1907.6
Relative permittivity (real part)	40.00
Conductivity (S/m)	1.40
Variation (%)	0.47

Maximum location: X=-63.00, Y=-10.00
SAR Peak: 0.39 W/kg

SAR 10g (W/Kg)	0.177643
SAR 1g (W/Kg)	0.271590

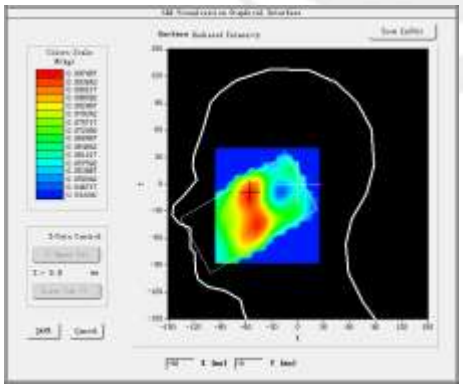
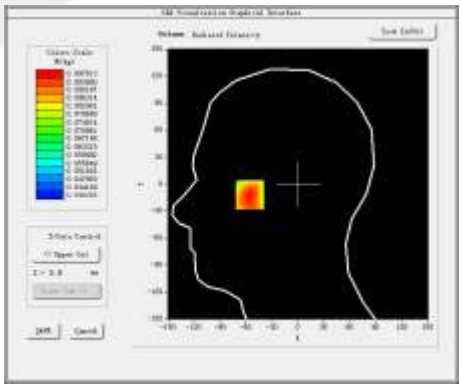
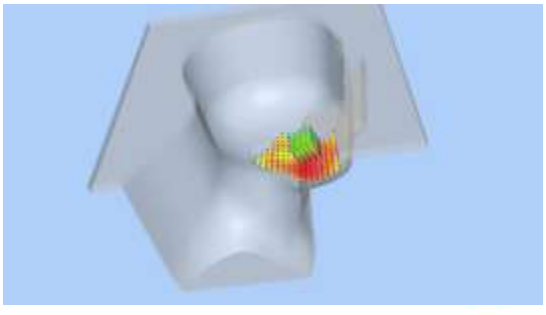
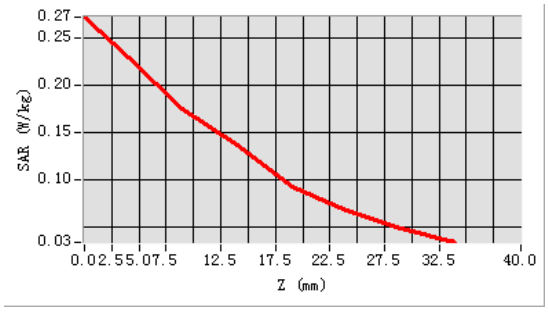
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 22: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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)	1907.6
Relative permittivity (real part)	40.00
Conductivity (S/m)	1.40
Variation (%)	-0.09

Maximum location: X=-56.00, Y=-10.00
SAR Peak: 0.27 W/kg

SAR 10g (W/Kg)	0.106069
SAR 1g (W/Kg)	0.196317

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

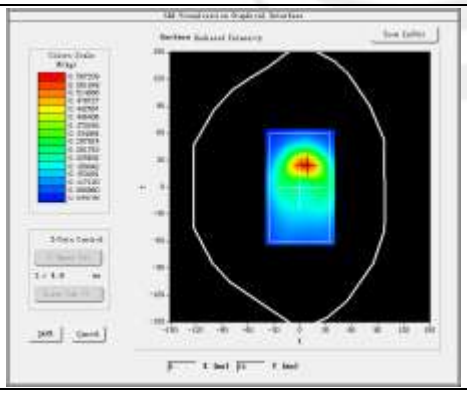
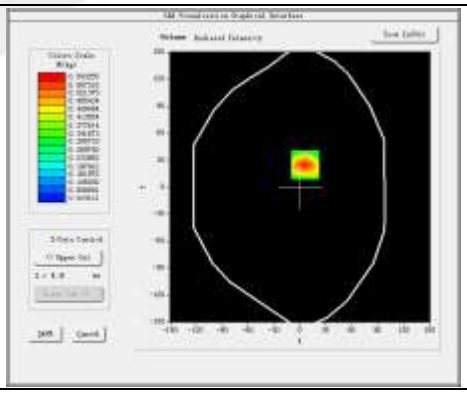
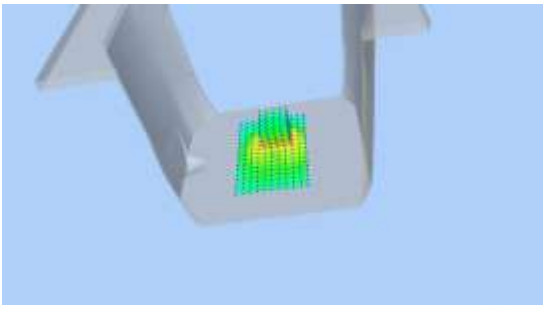
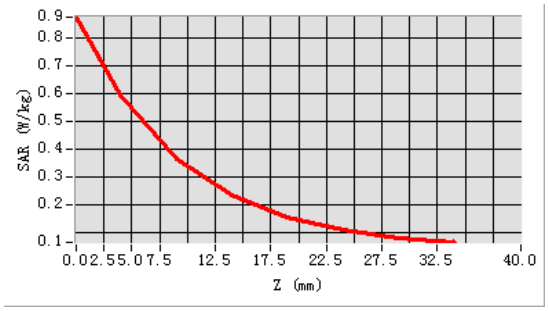
Plot 23: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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)	1907.6
Relative permittivity (real part)	53.30
Conductivity (S/m)	1.52
Variation (%)	-0.14

Maximum location: X=40.00, Y=-6.00

SAR Peak: 0.90 W/kg

SAR 10g (W/Kg)	0.332142
SAR 1g (W/Kg)	0.566656

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

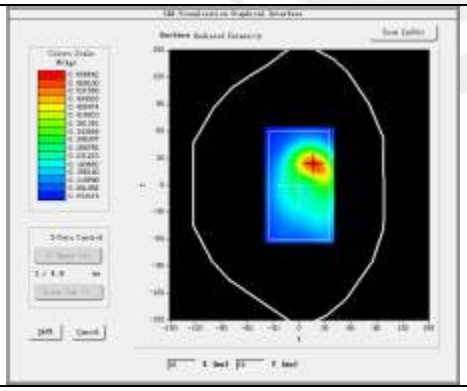
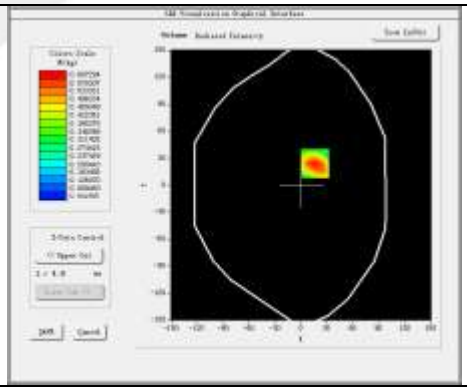
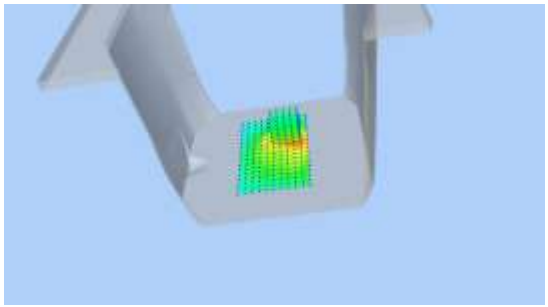
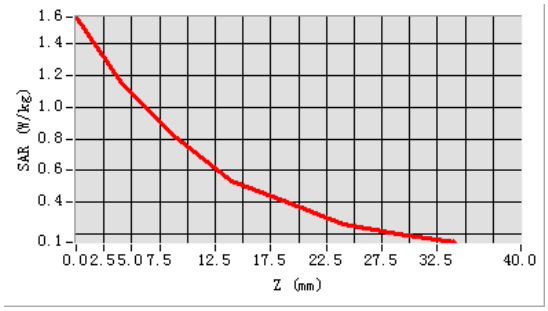
Plot 24: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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)	1907.6
Relative permittivity (real part)	39.71
Conductivity (S/m)	1.40
Variation (%)	-1.66

Maximum location: X=-31.00, Y=-8.00

SAR Peak: 1.73 W/kg

SAR 10g (W/Kg)	0.502505
SAR 1g (W/Kg)	0.912674

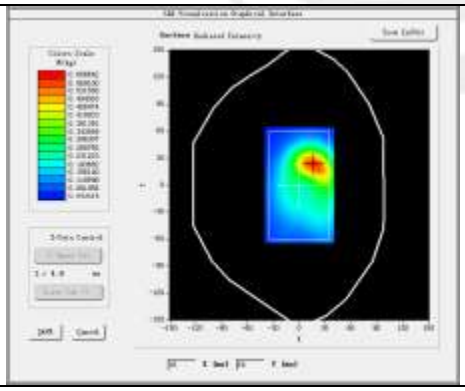
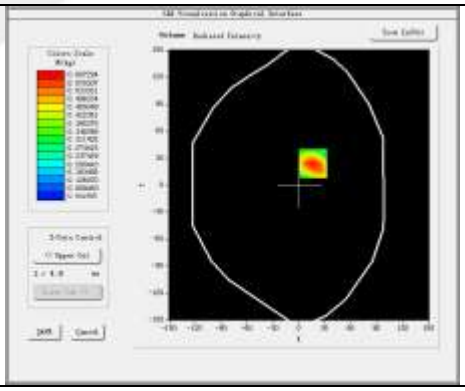
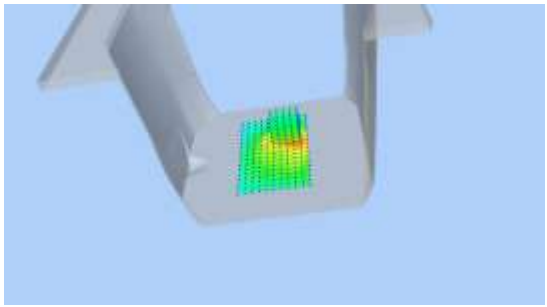
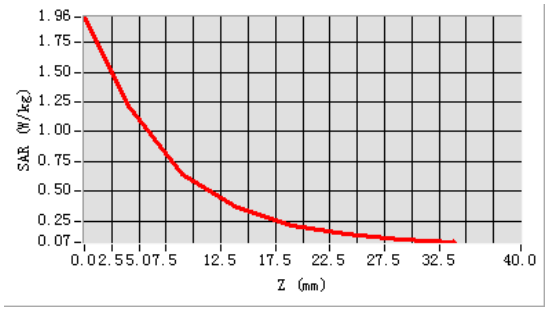
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 25: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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)	1907.6
Relative permittivity (real part)	39.71
Conductivity (S/m)	1.40
Variation (%)	-0.05

Maximum location: X=-16.00, Y=-16.00
SAR Peak: 1.97 W/kg

SAR 10g (W/Kg)	0.636245
SAR 1g (W/Kg)	1.182200

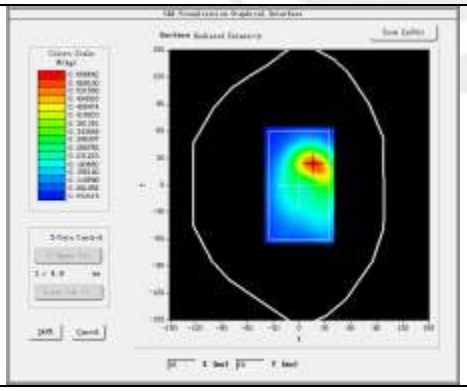
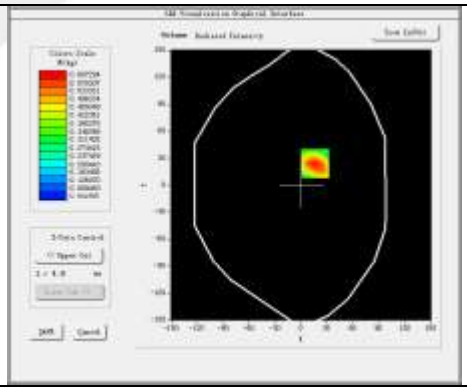
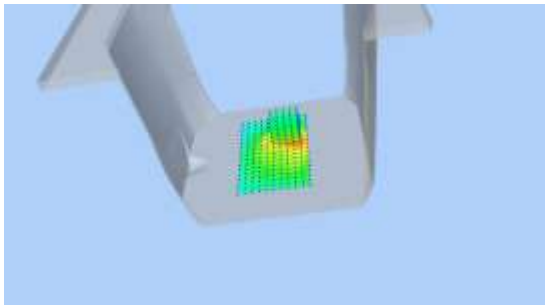
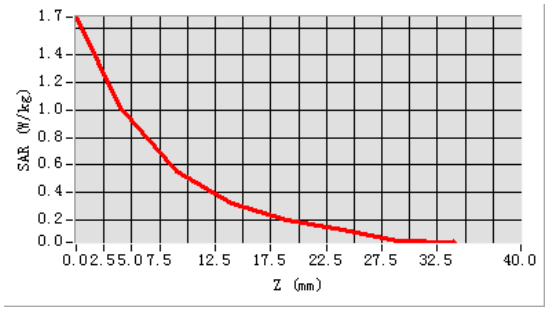
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 26: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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-repeated
Band	WCDMA II
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1907.6
Relative permittivity (real part)	39.71
Conductivity (S/m)	1.40
Variation (%)	4.91

Maximum location: X=-32.00, Y=-10.00
SAR Peak: 1.72 W/kg

SAR 10g (W/Kg)	0.539624
SAR 1g (W/Kg)	1.010671

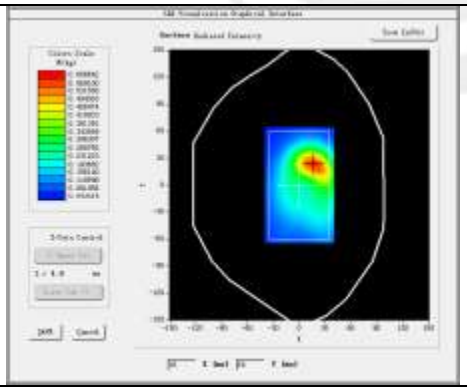
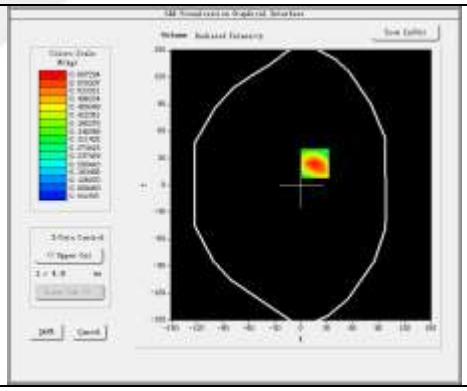
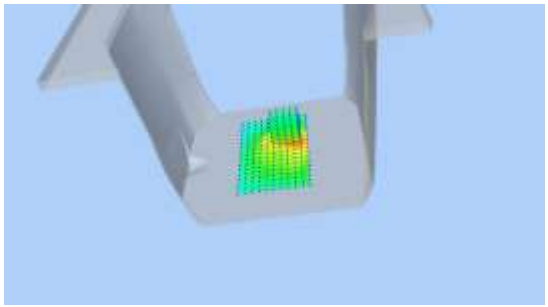
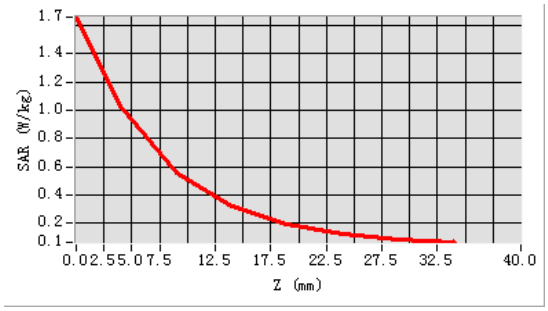
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 27: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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)	1907.6
Relative permittivity (real part)	39.71
Conductivity (S/m)	1.40
Variation (%)	-0.55

Maximum location: X=-32.00, Y=-15.00
SAR Peak: 1.65 W/kg

SAR 10g (W/Kg)	0.555502
SAR 1g (W/Kg)	1.015343

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

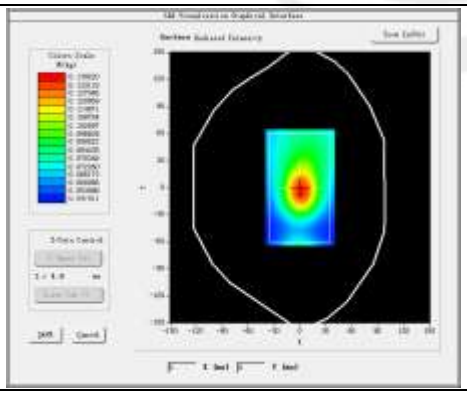
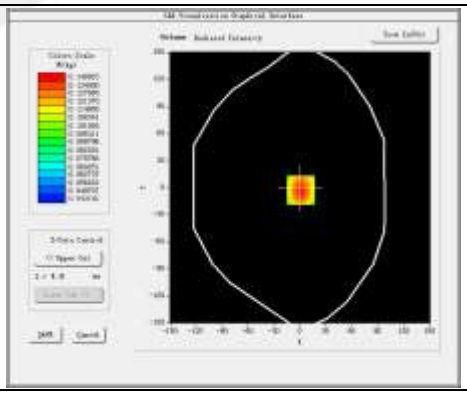
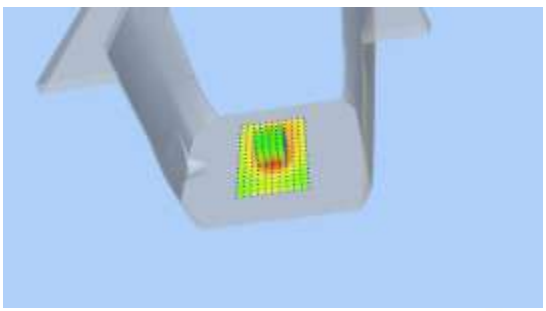
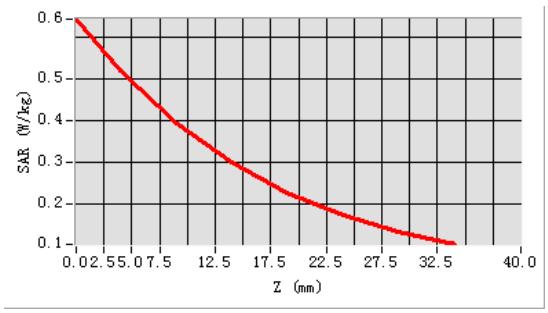
Plot 28: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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)	1907.6
Relative permittivity (real part)	53.30
Conductivity (S/m)	1.52
Variation (%)	-0.40

Maximum location: X=1.00, Y=-3.00

SAR Peak: 0.61 W/kg

SAR 10g (W/Kg)	0.216458
SAR 1g (W/Kg)	0.383464

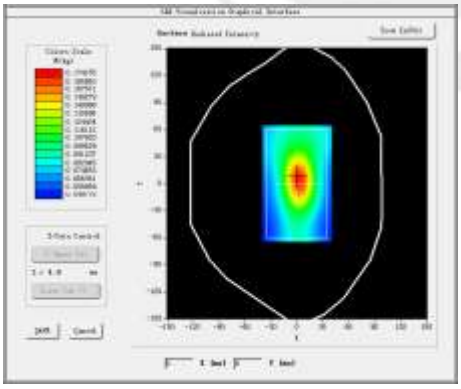
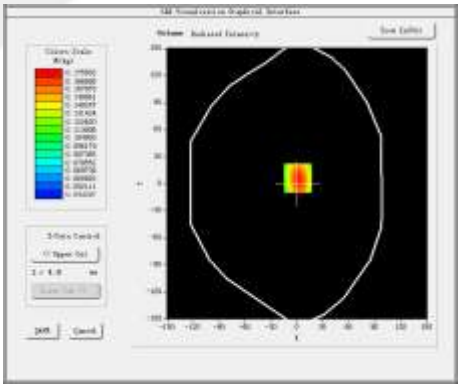
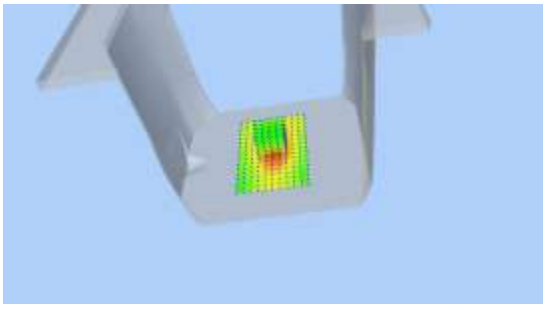
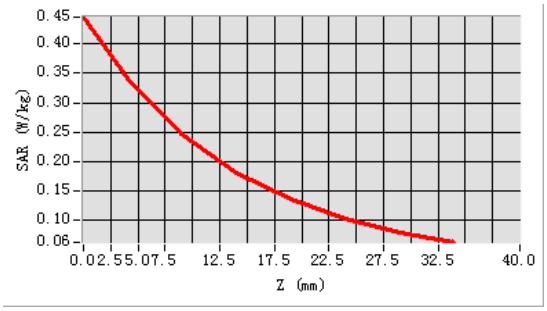
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 29: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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)	1907.6
Relative permittivity (real part)	53.30
Conductivity (S/m)	1.52
Variation (%)	-0.25

Maximum location: X=1.00, Y=6.00
SAR Peak:0.45 W/kg

SAR 10g (W/Kg)	0.115520
SAR 1g (W/Kg)	0.271862

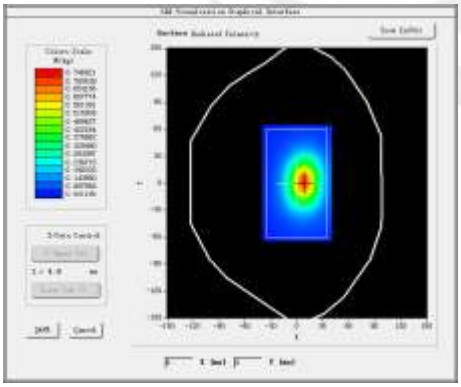
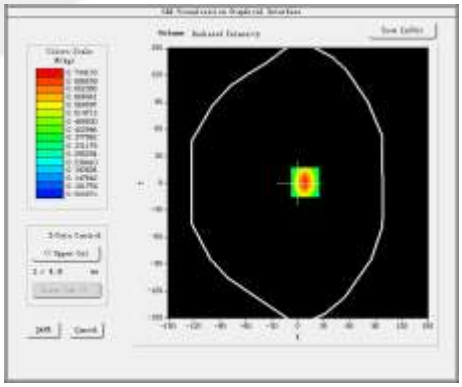
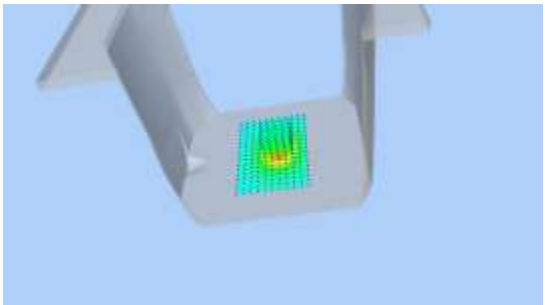
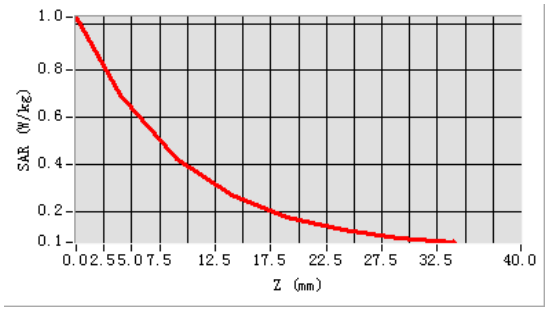
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 30: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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)	1907.6
Relative permittivity (real part)	53.30
Conductivity (S/m)	1.52
Variation (%)	-0.64

Maximum location: X=13.00, Y=1.00
SAR Peak: 1.02 W/kg

SAR 10g (W/Kg)	0.400480
SAR 1g (W/Kg)	0.673746

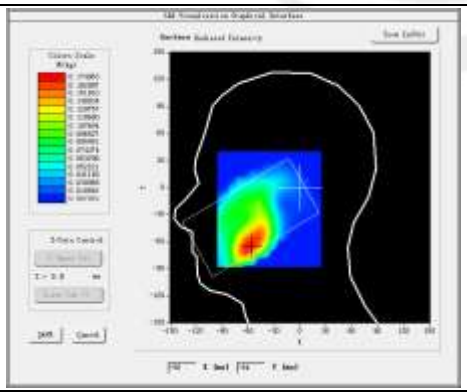
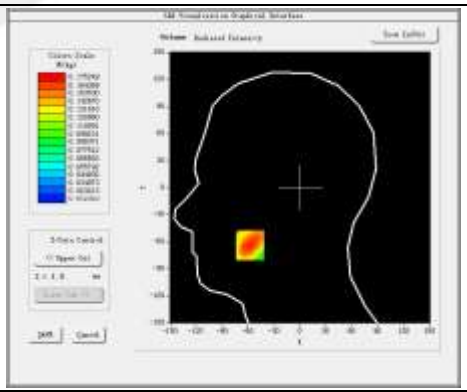
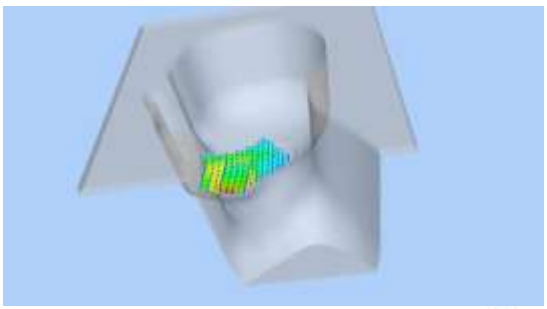
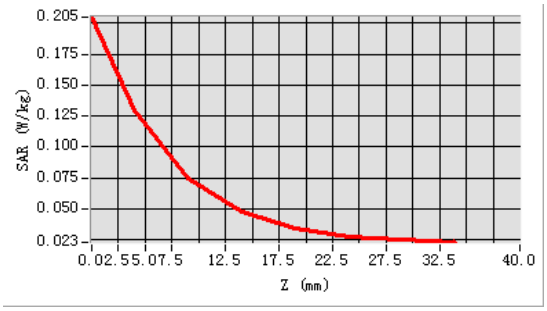
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 31: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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 V
Channels	Low
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	826.4
Relative permittivity (real part)	42.27
Conductivity (S/m)	0.91
Variation (%)	2.04

Maximum location: X=-41.00, Y=-48.00
SAR Peak: 0.22 W/kg

SAR 10g (W/Kg)	0.088097
SAR 1g (W/Kg)	0.128683

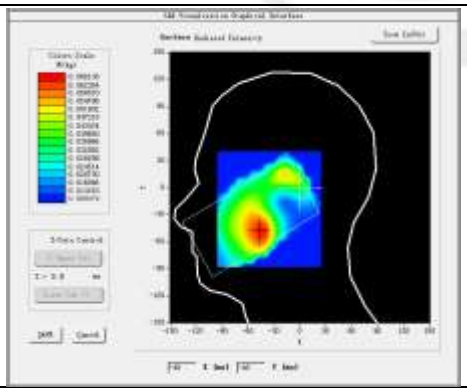
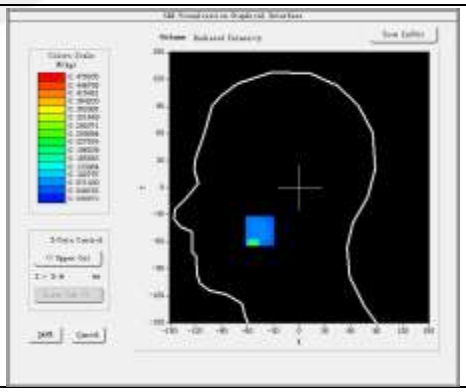
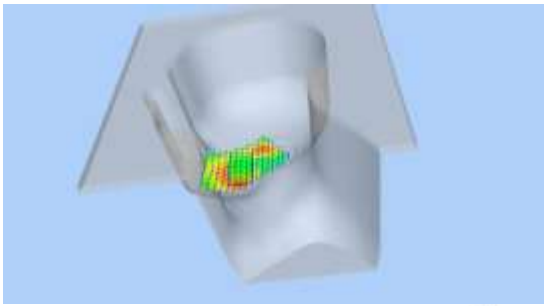
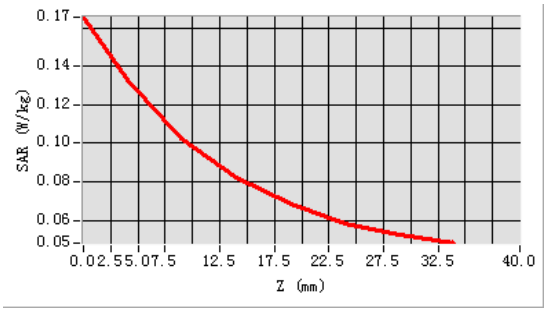
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 32: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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 V
Channels	Low
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	826.4
Relative permittivity (real part)	42.27
Conductivity (S/m)	0.91
Variation (%)	-3.01

Maximum location: X=-24.00, Y=-40.00
SAR Peak: 0.17 W/kg

SAR 10g (W/Kg)	0.058888
SAR 1g (W/Kg)	0.108394

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

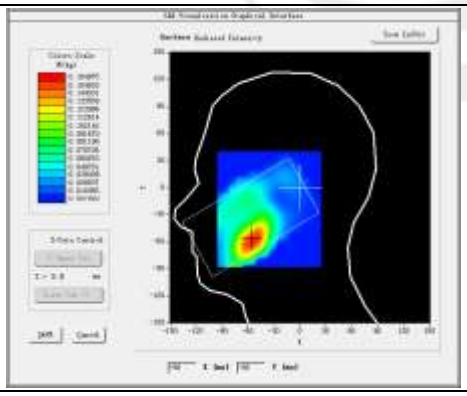
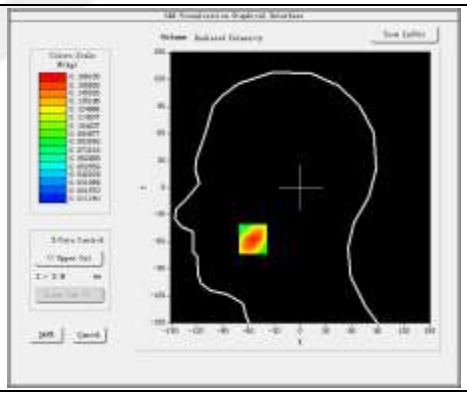
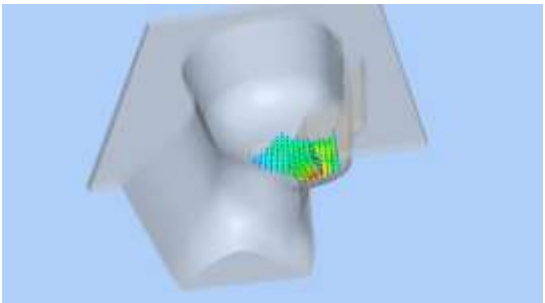
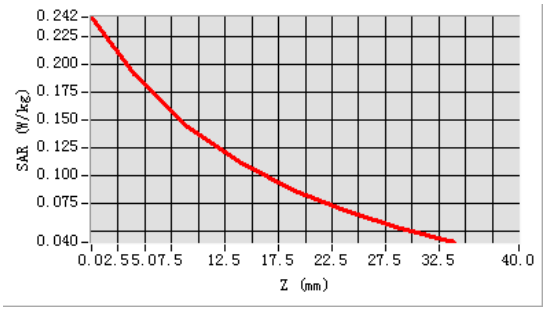
Plot 33: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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 V
Channels	Low
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	826.4
Relative permittivity (real part)	42.27
Conductivity (S/m)	0.91
Variation (%)	-4.71

Maximum location: X=-50.00, Y=-42.00

SAR Peak: 0.24 W/kg

SAR 10g (W/Kg)	0.133763
SAR 1g (W/Kg)	0.186517

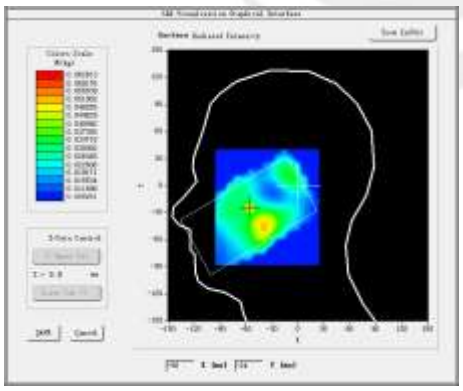
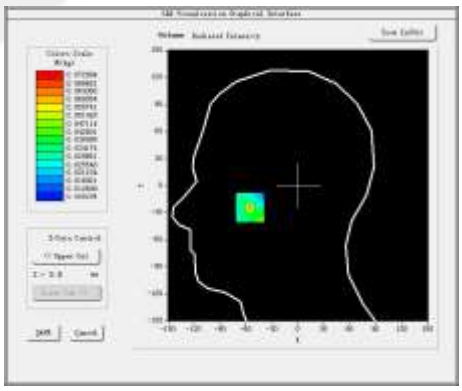
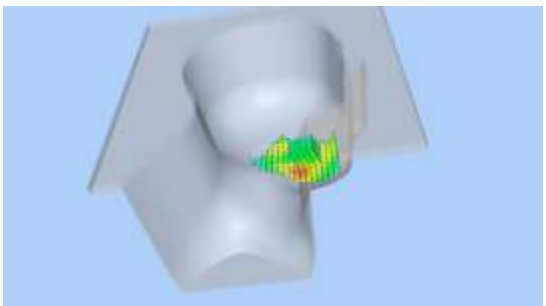
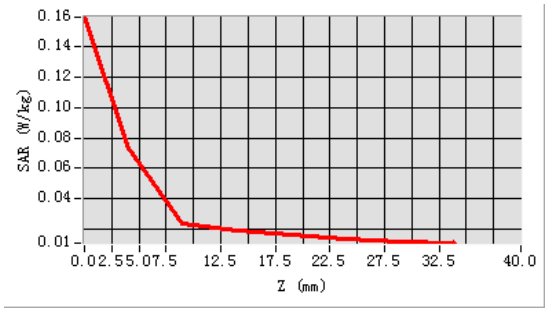
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 34: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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 V
Channels	Low
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	826.4
Relative permittivity (real part)	42.27
Conductivity (S/m)	0.91
Variation (%)	-2.71

Maximum location: X=-55.00, Y=-42.00
SAR Peak: 0.17 W/kg

SAR 10g (W/Kg)	0.073841
SAR 1g (W/Kg)	0.115273

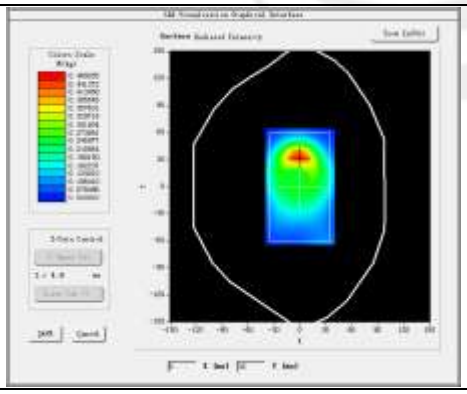
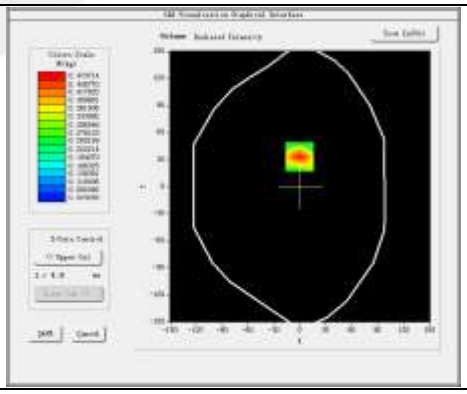
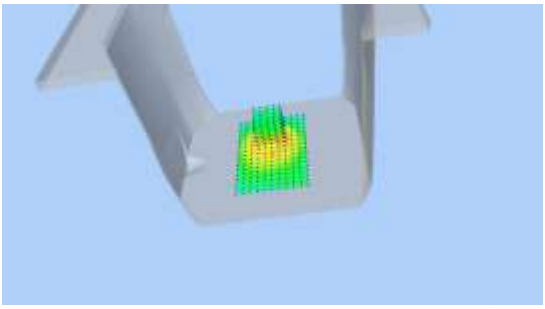
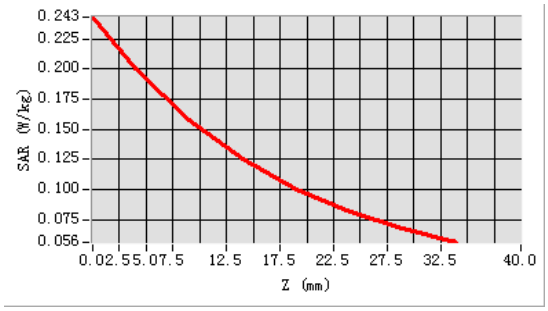
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 35: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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 V
Channels	Low
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	826.4
Relative permittivity (real part)	42.27
Conductivity (S/m)	0.91
Variation (%)	-0.01

Maximum location: X=-22.00, Y=47.00
SAR Peak: 0.24 W/kg

SAR 10g (W/Kg)	0.150212
SAR 1g (W/Kg)	0.195849

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

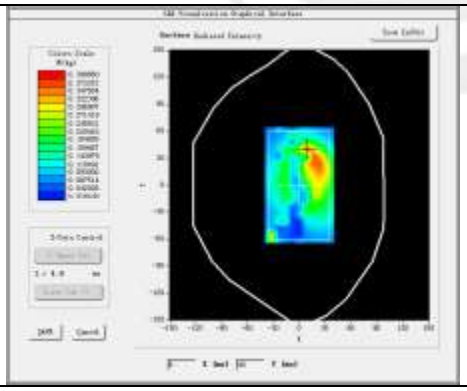
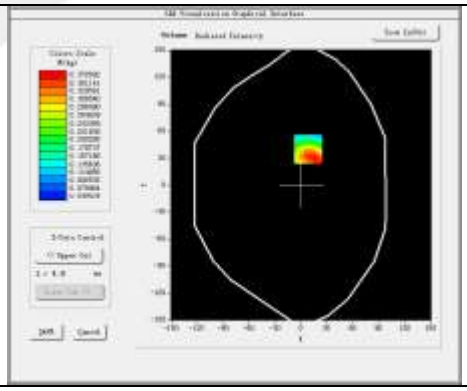
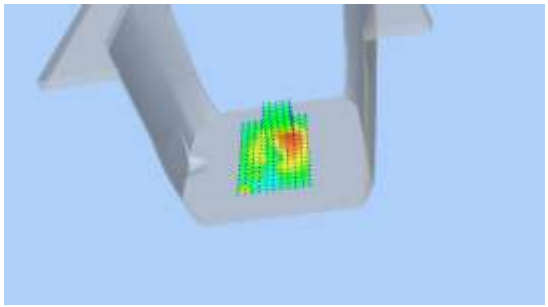
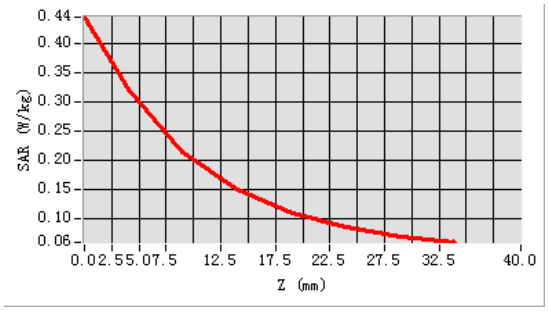
Plot 36: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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 side
Band	WCDMA V
Channels	Low
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	826.4
Relative permittivity (real part)	42.27
Conductivity (S/m)	0.91
Variation (%)	-0.04

Maximum location: X=7.00, Y=17.00

SAR Peak: 0.44 W/kg

SAR 10g (W/Kg)	0.244693
SAR 1g (W/Kg)	0.335280

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

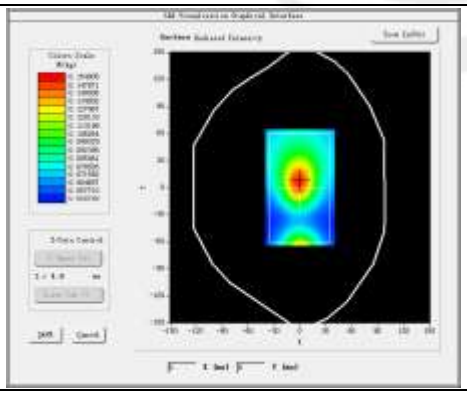
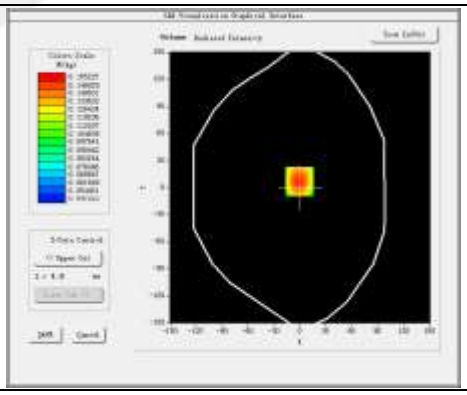
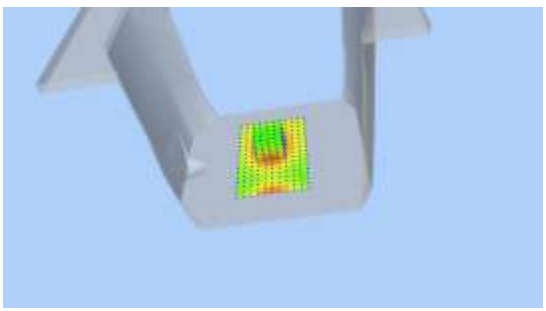
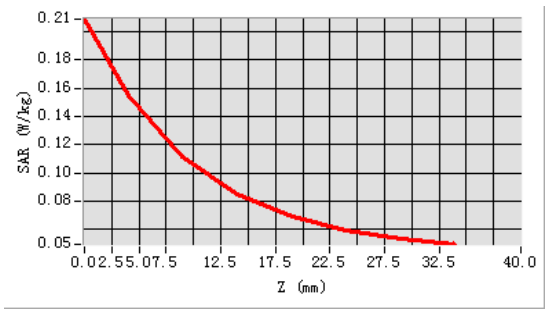
Plot 37: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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 V
Channels	Low
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	826.4
Relative permittivity (real part)	42.27
Conductivity (S/m)	0.91
Variation (%)	3.55

Maximum location: X=-1.00, Y=7.00

SAR Peak: 0.21 W/kg

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

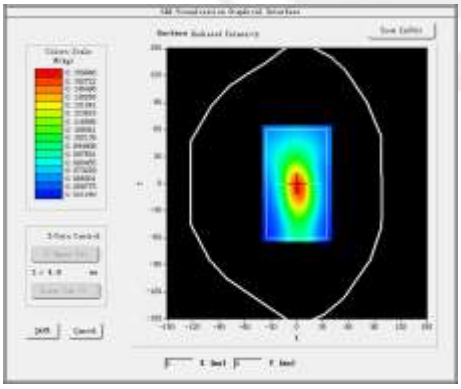
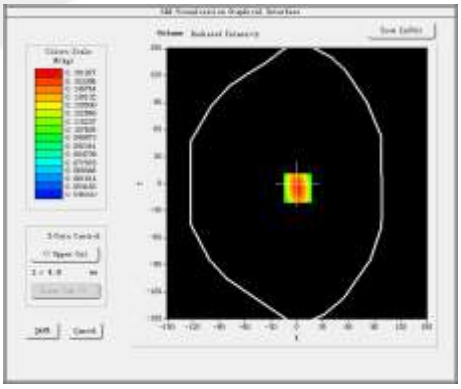
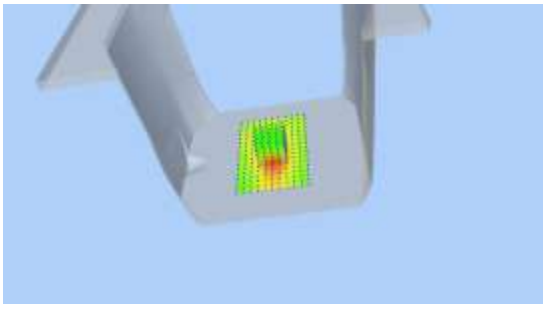
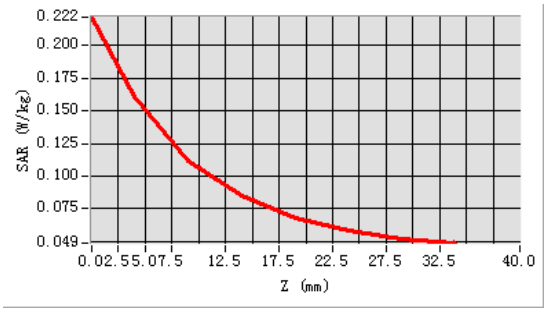
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 38: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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 V
Channels	Low
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	826.4
Relative permittivity (real part)	42.27
Conductivity (S/m)	0.91
Variation (%)	-0.43

Maximum location: X=1.00, Y=-5.00
SAR Peak:0.22 W/kg

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

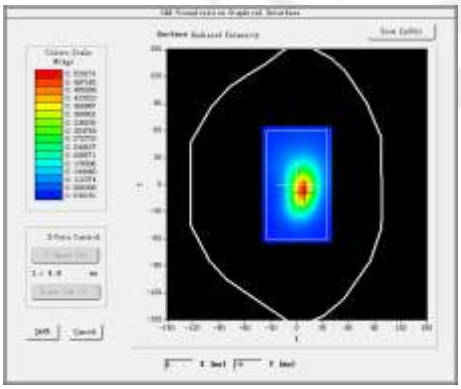
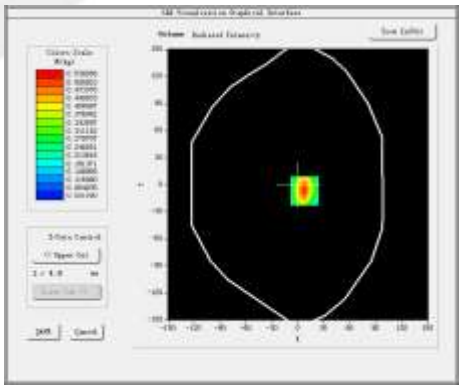
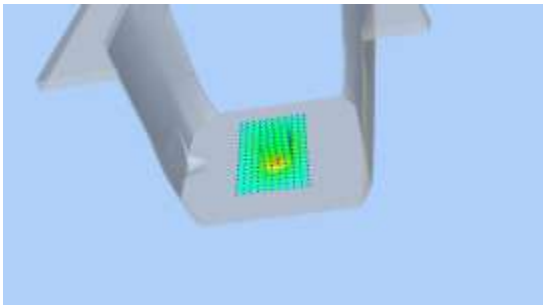
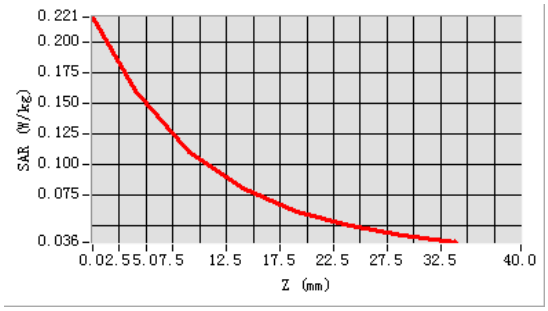
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 39: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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 V
Channels	Low
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	826.4
Relative permittivity (real part)	42.27
Conductivity (S/m)	0.91
Variation (%)	-4.18

Maximum location: X=-6.00, Y=-14.00
SAR Peak: 0.22 W/kg

SAR 10g (W/Kg)	0.103812
SAR 1g (W/Kg)	0.154601

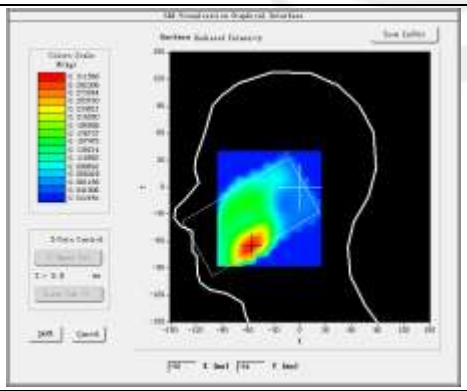
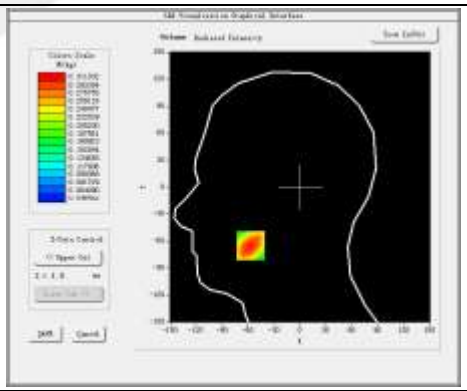
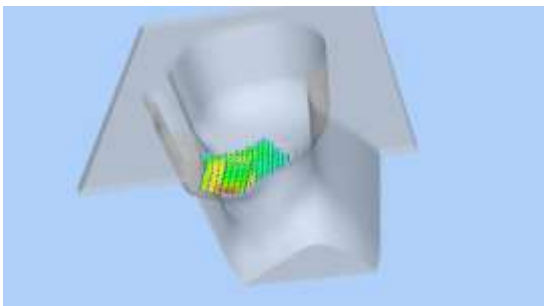
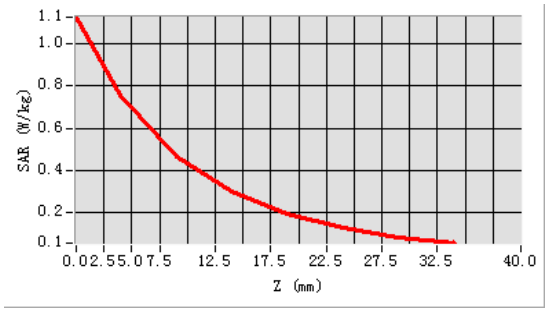
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 40: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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	LTE Band 2 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1880
Relative permittivity (real part)	40.0
Conductivity (S/m)	0.91
Variation (%)	3.40

Maximum location: X=-50.00, Y=-64.00
SAR Peak: 1.15 W/kg

SAR 10g (W/Kg)	0.437210
SAR 1g (W/Kg)	0.735253

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

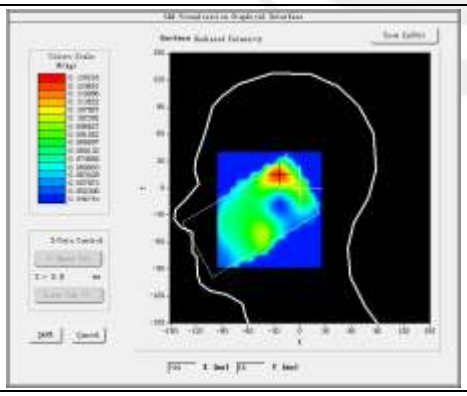
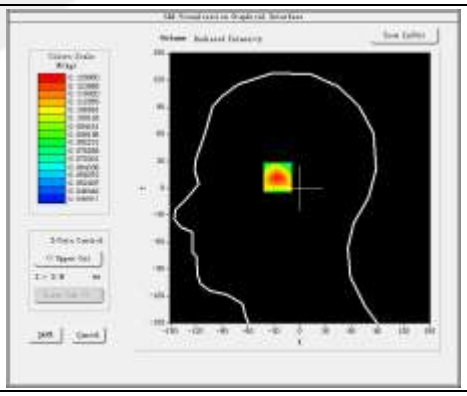
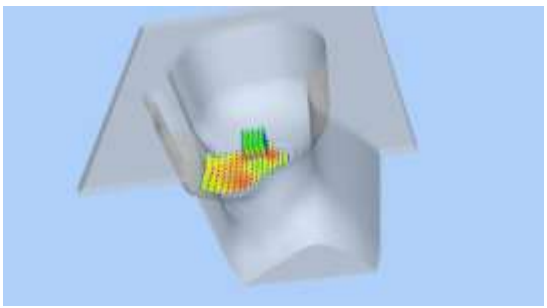
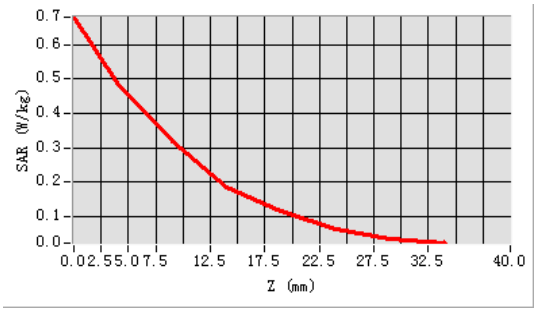
Plot 41: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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	LTE Band 2 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1880
Relative permittivity (real part)	40.0
Conductivity (S/m)	0.91
Variation (%)	-0.52

Maximum location: X=-25.00, Y=15.00

SAR Peak: 0.70 W/kg

SAR 10g (W/Kg)	0.290516
SAR 1g (W/Kg)	0.511214

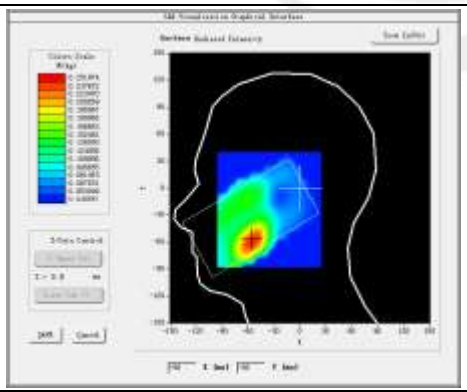
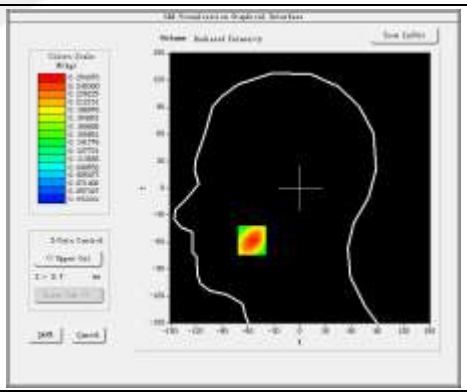
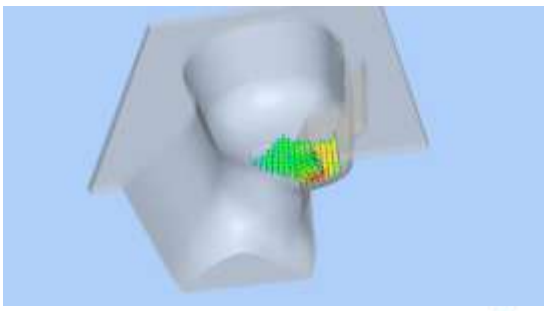
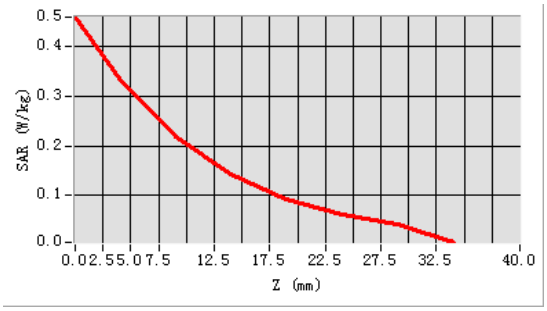
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 42: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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	LTE Band 2 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1880
Relative permittivity (real part)	40.0
Conductivity (S/m)	0.91
Variation (%)	-4.41

Maximum location: X=-59.00, Y=-8.00
SAR Peak: 0.47 W/kg

SAR 10g (W/Kg)	0.194393
SAR 1g (W/Kg)	0.314546

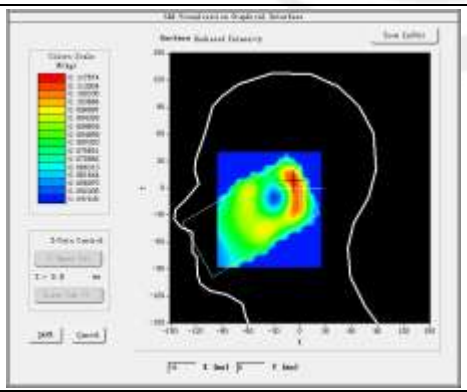
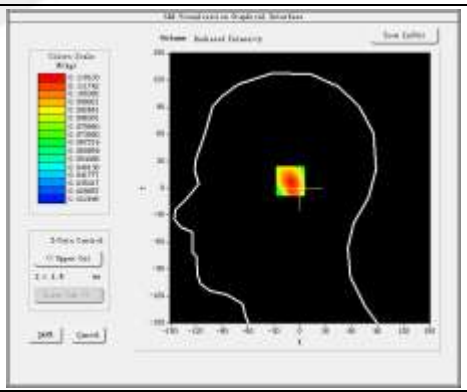
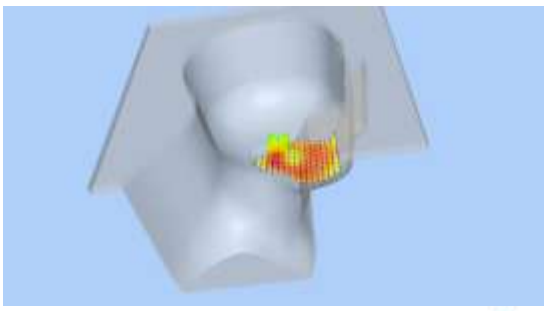
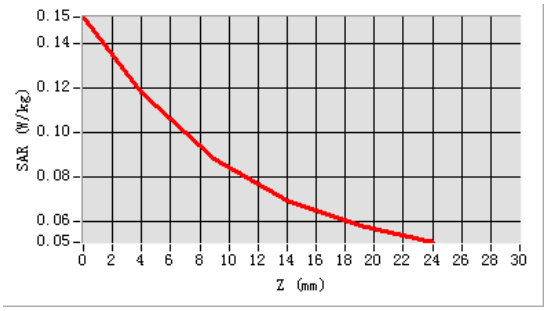
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 43: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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	LTE Band 2(RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1880
Relative permittivity (real part)	40.0
Conductivity (S/m)	0.91
Variation (%)	-0.03

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

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

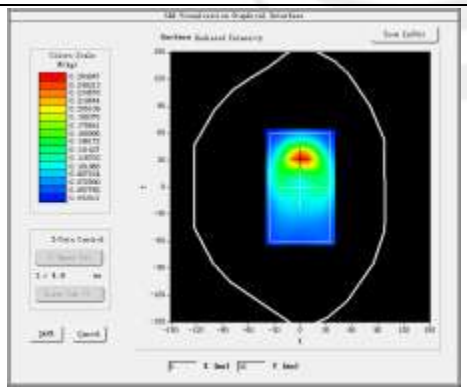
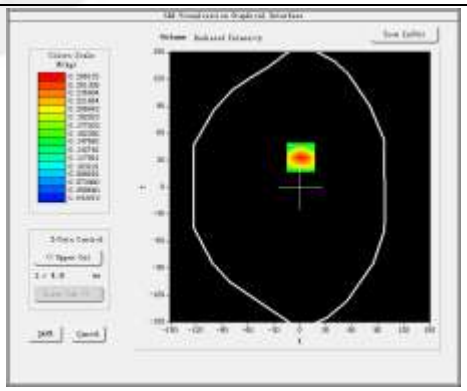
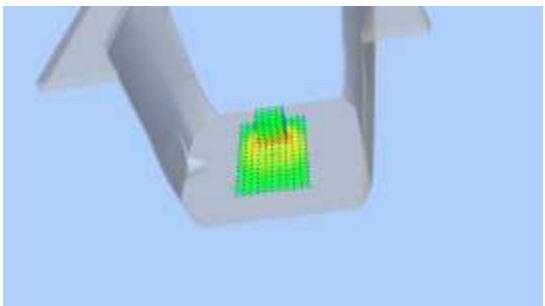
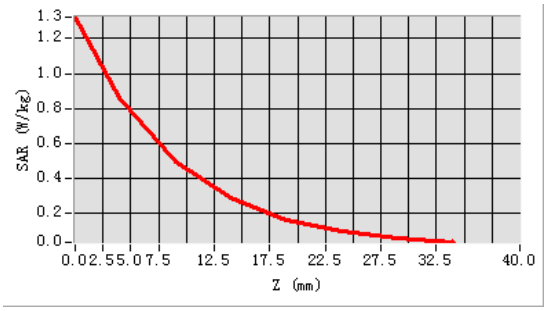
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 44: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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	LTE Band 2(RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1880
Relative permittivity (real part)	40.0
Conductivity (S/m)	0.91
Variation (%)	-2.48

Maximum location: X=-21.00, Y=-1.00
SAR Peak: 1.34 W/kg

SAR 10g (W/Kg)	0.482201
SAR 1g (W/Kg)	0.834815

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

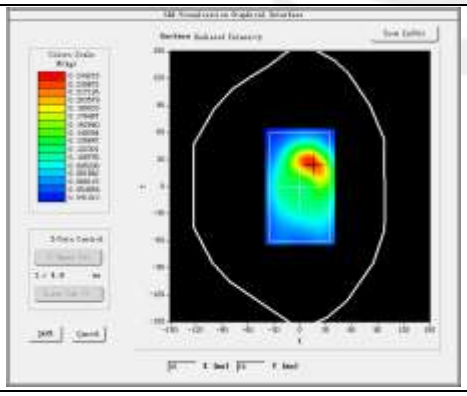
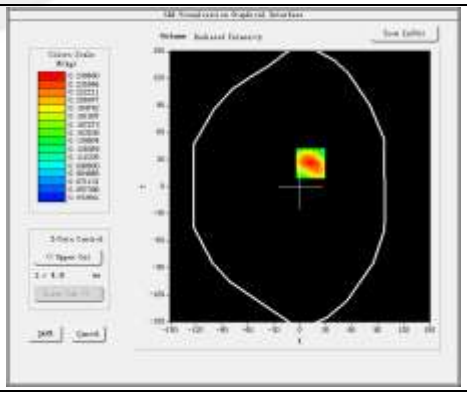
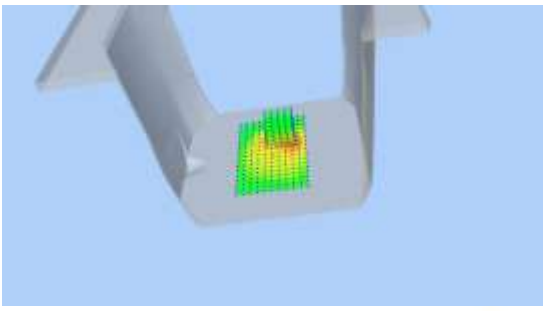
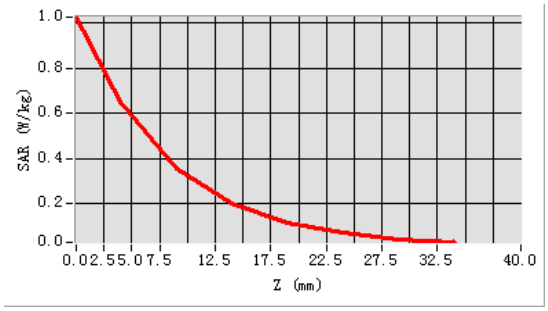
Plot 45: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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
Band	LTE Band 2(RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1880
Relative permittivity (real part)	40.0
Conductivity (S/m)	0.91
Variation (%)	-0.57

Maximum location: X=23.00, Y=0.00

SAR Peak: 1.06 W/kg

SAR 10g (W/Kg)	0.329548
SAR 1g (W/Kg)	0.624333

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

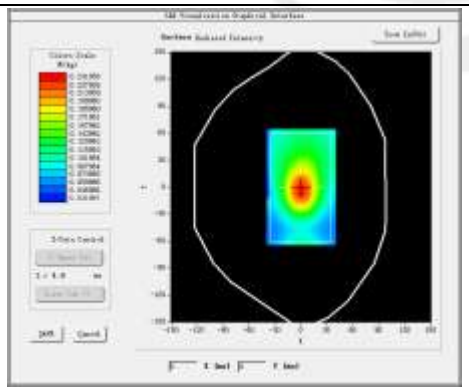
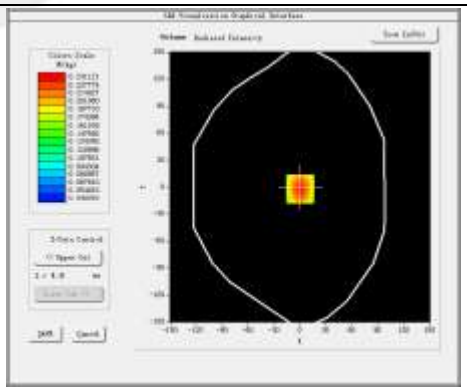
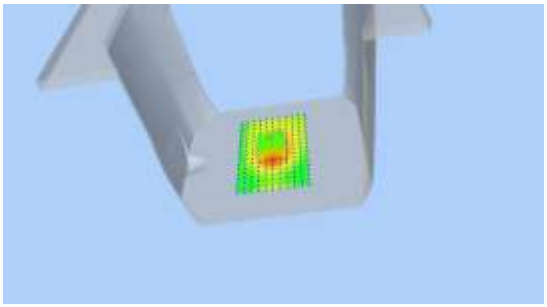
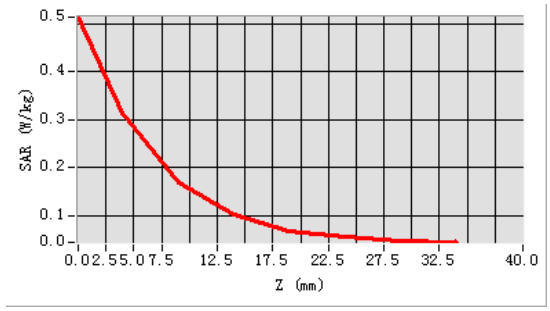
Plot 46: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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	LTE Band 2(RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1880
Relative permittivity (real part)	40.0
Conductivity (S/m)	0.91
Variation (%)	-0.50

Maximum location: X=-32.00, Y=14.00

SAR Peak: 0.54 W/kg

SAR 10g (W/Kg)	0.197642
SAR 1g (W/Kg)	0.316424

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

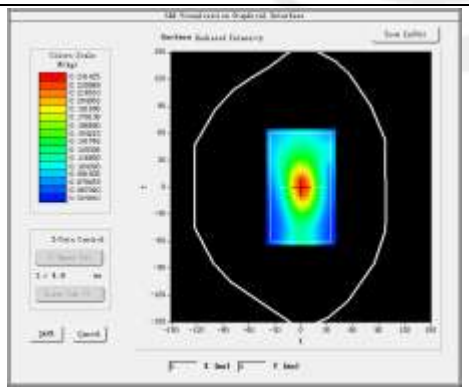
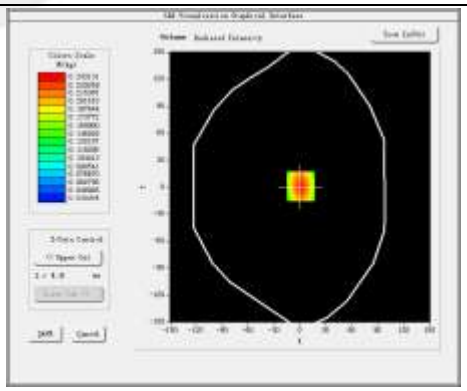
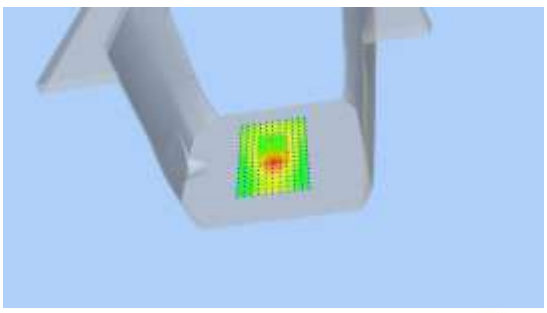
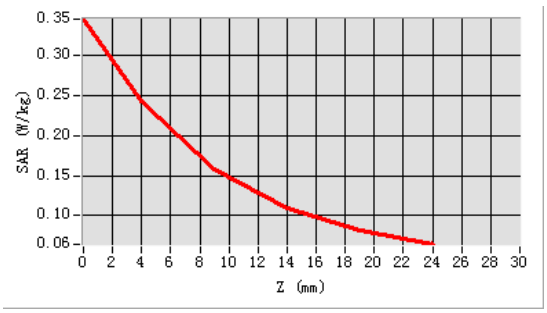
Plot 47: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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	LTE Band 2(RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1880
Relative permittivity (real part)	40.0
Conductivity (S/m)	0.91
Variation (%)	0.18

Maximum location: X=-25.00, Y=-1.00

SAR Peak: 0.35 W/kg

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

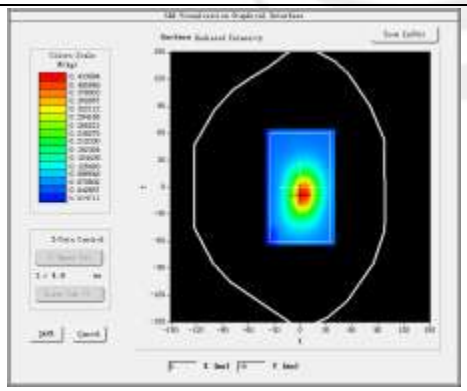
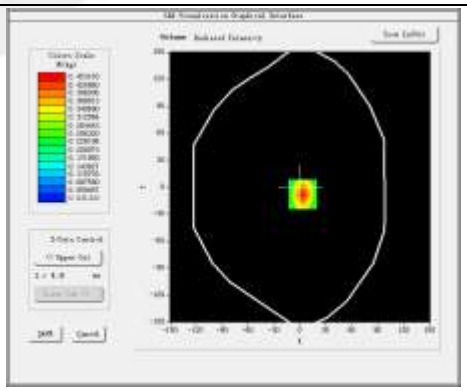
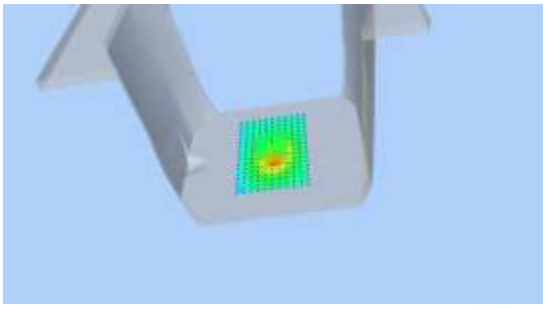
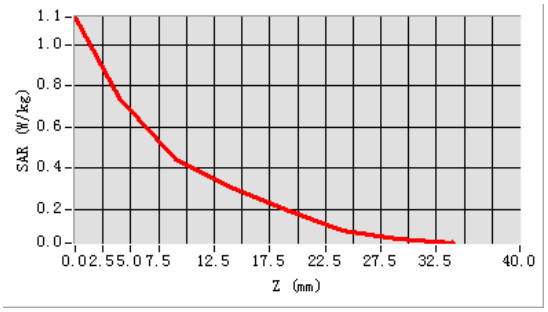
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 48: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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	LTE Band 2(RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1880
Relative permittivity (real part)	40.0
Conductivity (S/m)	0.91
Variation (%)	-0.40

Maximum location: X=2.00, Y=9.00
SAR Peak: 1.13 W/kg

SAR 10g (W/Kg)	0.425799
SAR 1g (W/Kg)	0.724806

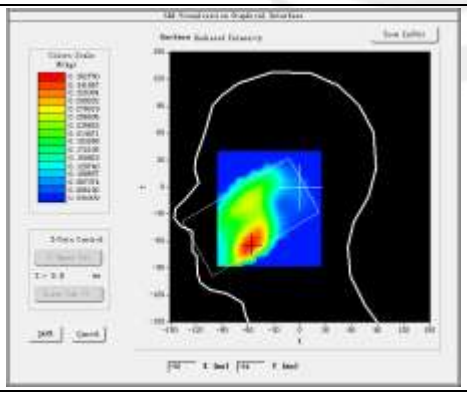
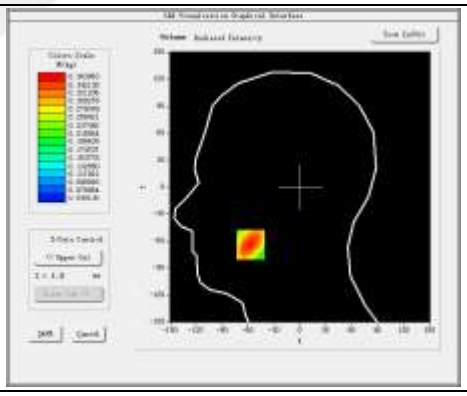
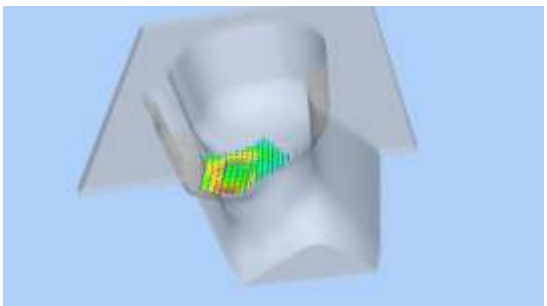
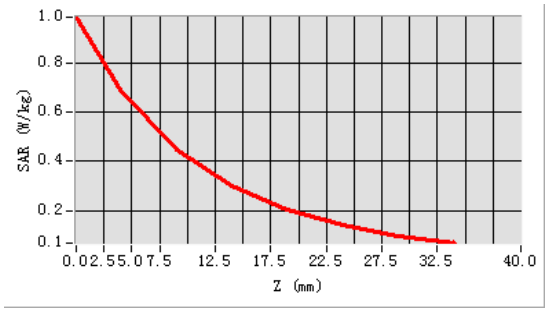
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 49: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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	LTE Band 4 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1732.5
Relative permittivity (real part)	40.2
Conductivity (S/m)	1.31
Variation (%)	1.03

Maximum location: X=-48.00, Y=-61.00
SAR Peak: 1.01 W/kg

SAR 10g (W/Kg)	0.400984
SAR 1g (W/Kg)	0.662692

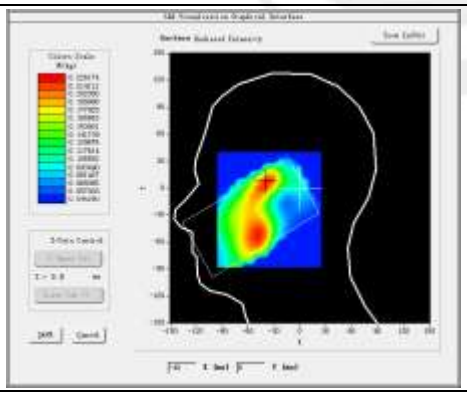
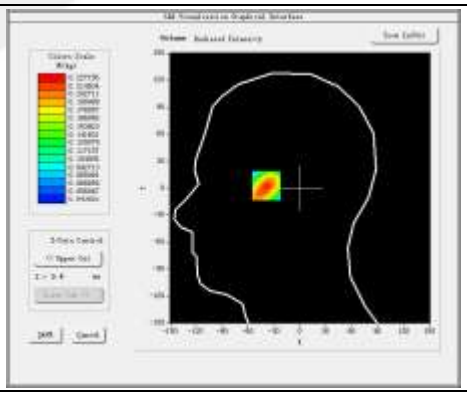
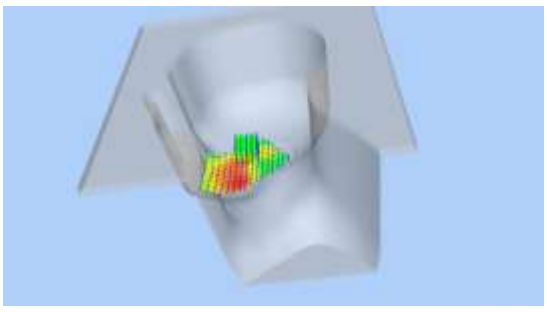
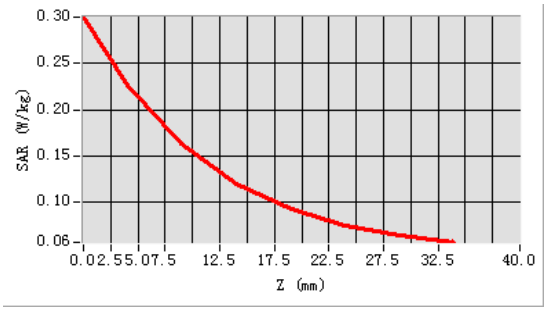
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 50: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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	LTE Band 4 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1732.5
Relative permittivity (real part)	40.2
Conductivity (S/m)	1.31
Variation (%)	-3.52

Maximum location: X=-36.00, Y=3.00
SAR Peak: 0.33 W/kg

SAR 10g (W/Kg)	0.149346
SAR 1g (W/Kg)	0.226346

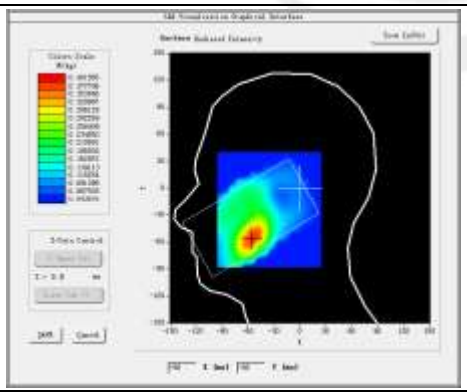
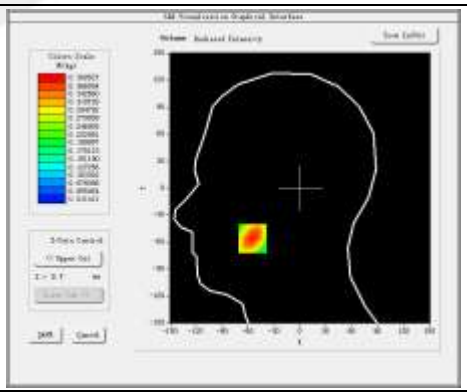
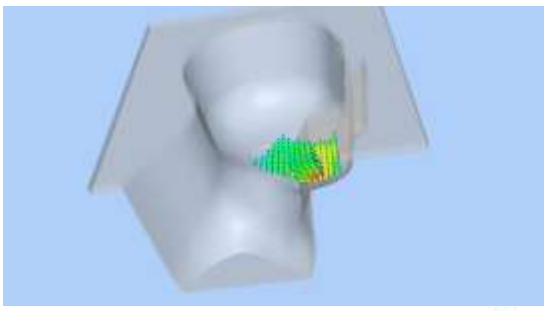
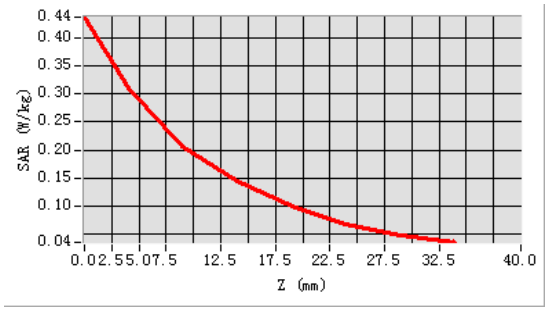
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 51: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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	LTE Band 4 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1732.5
Relative permittivity (real part)	40.2
Conductivity (S/m)	1.31
Variation (%)	0.10

Maximum location: X=-61.00, Y=-8.00
SAR Peak: 0.44 W/kg

SAR 10g (W/Kg)	0.187854
SAR 1g (W/Kg)	0.300461

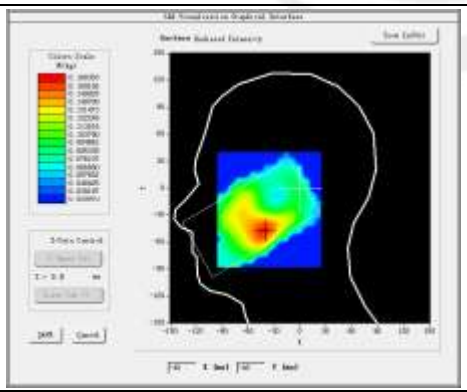
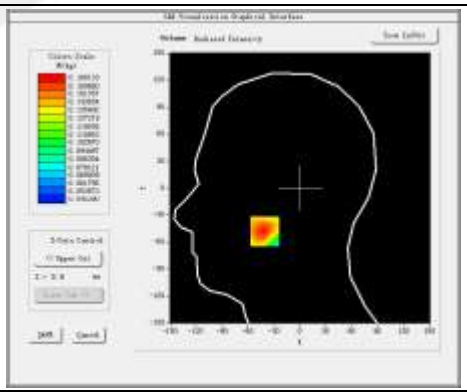
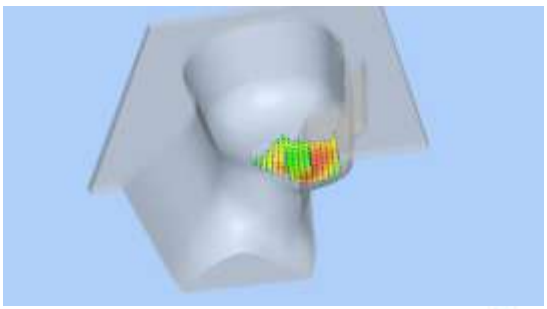
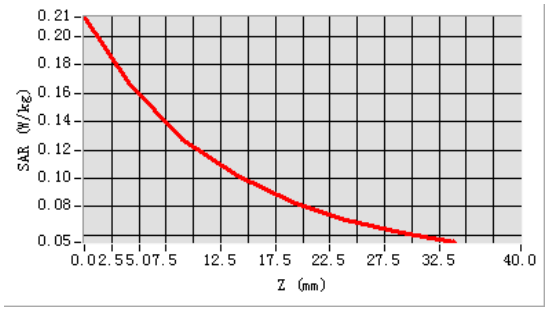
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 52: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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	LTE Band 4 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1732.5
Relative permittivity (real part)	40.2
Conductivity (S/m)	1.31
Variation (%)	-0.37

Maximum location: X=-41.00, Y=-48.00
SAR Peak: 0.21 W/kg

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

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

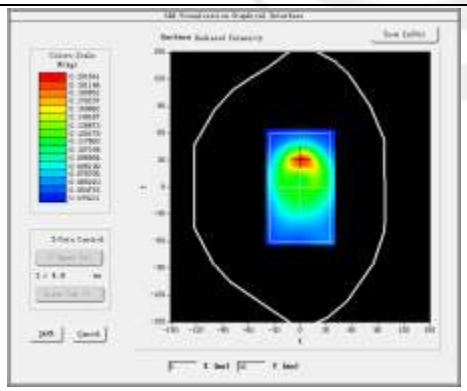
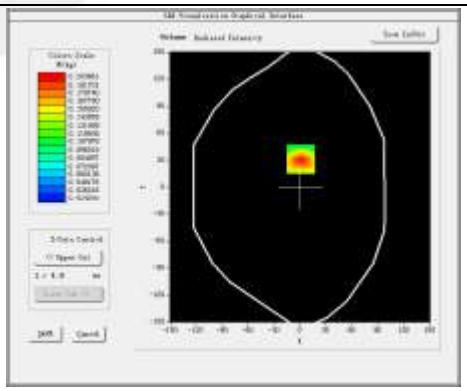
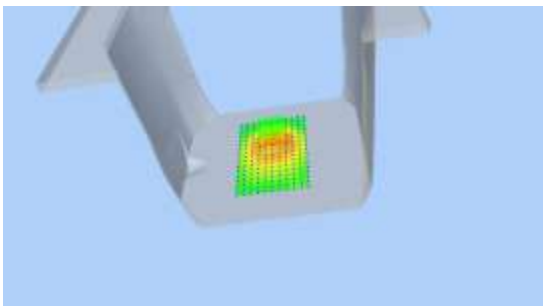
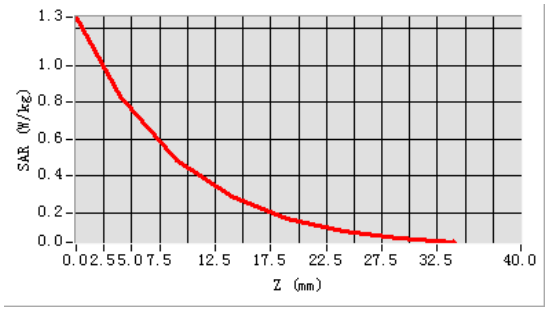
Plot 53: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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	LTE Band 4 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1732.5
Relative permittivity (real part)	52.6
Conductivity (S/m)	1.38
Variation (%)	0.14

Maximum location: X=-18.00, Y=-7.00

SAR Peak: 1.29 W/kg

SAR 10g (W/Kg)	0.459398
SAR 1g (W/Kg)	0.799494

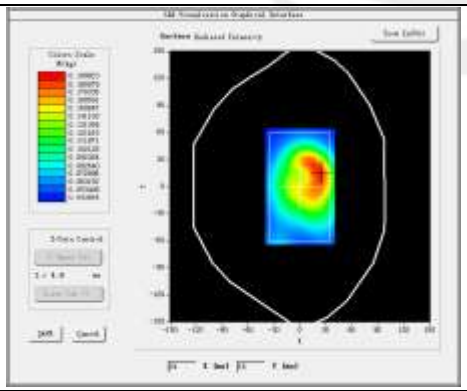
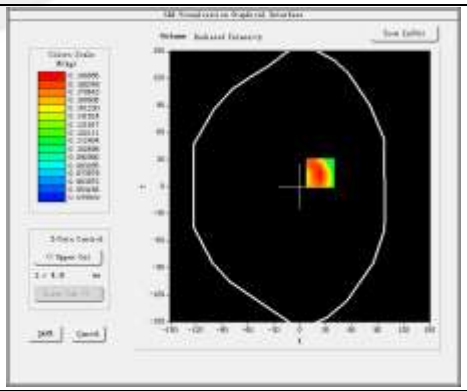
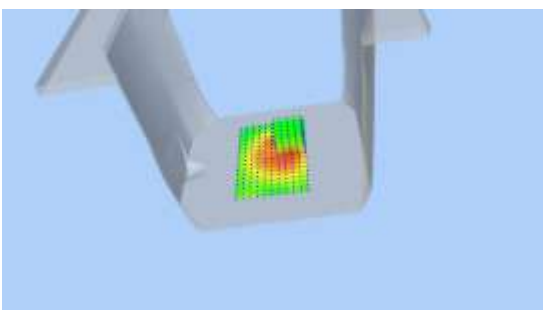
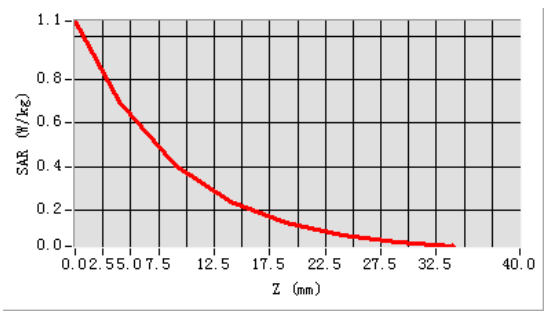
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 54: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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	LTE Band 4 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1732.5
Relative permittivity (real part)	52.6
Conductivity (S/m)	1.38
Variation (%)	-0.77

Maximum location: X=25.00, Y=1.00
SAR Peak: 1.09 W/kg

SAR 10g (W/Kg)	0.373243
SAR 1g (W/Kg)	0.667056

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

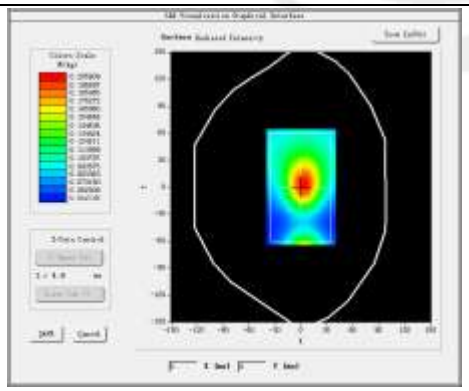
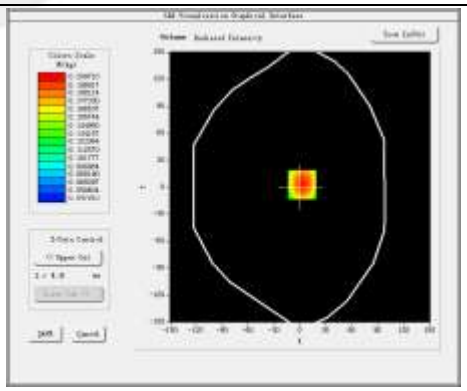
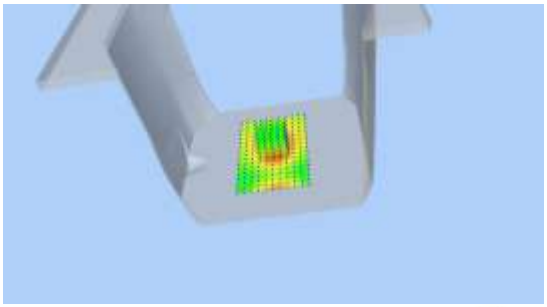
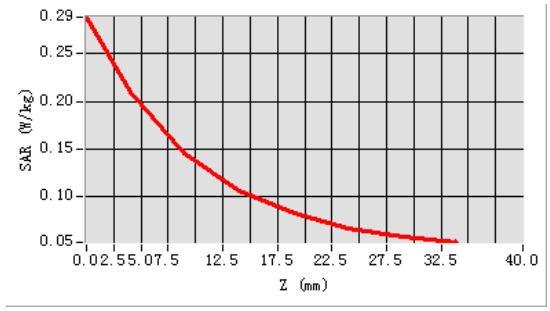
Plot 55: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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	LTE Band 4 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1732.5
Relative permittivity (real part)	52.6
Conductivity (S/m)	1.38
Variation (%)	-3.23

Maximum location: X=1.00, Y=7.00

SAR Peak: 0.30 W/kg

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

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

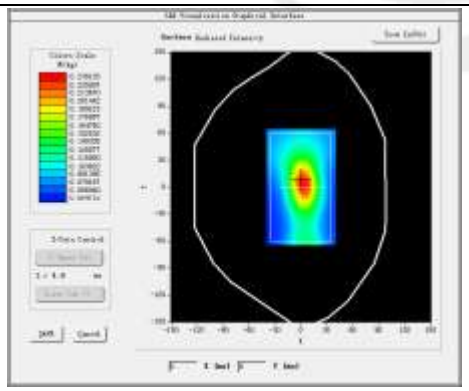
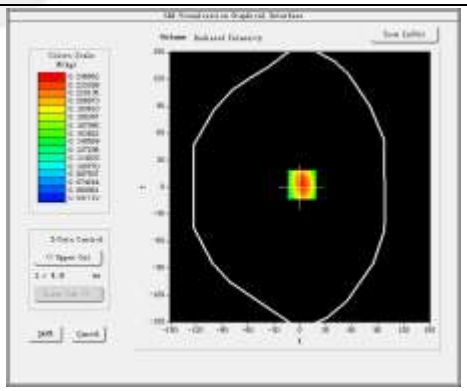
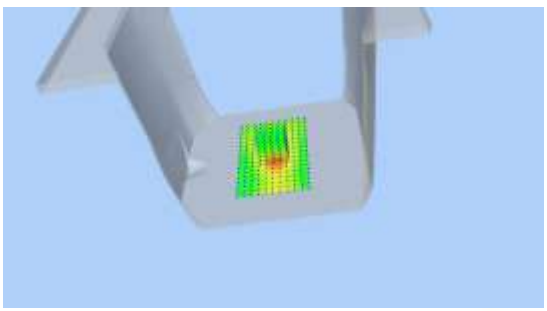
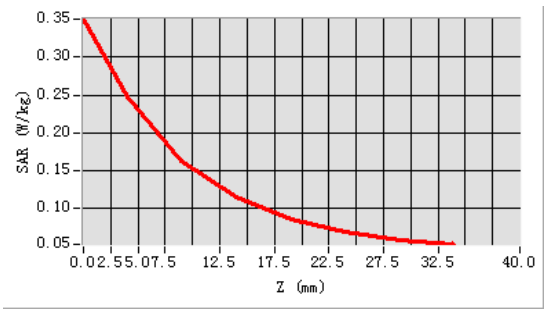
Plot 56: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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	LTE Band 4 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1732.5
Relative permittivity (real part)	52.6
Conductivity (S/m)	1.38
Variation (%)	3.92

Maximum location: X=2.00, Y=3.00

SAR Peak: 0.35 W/kg

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

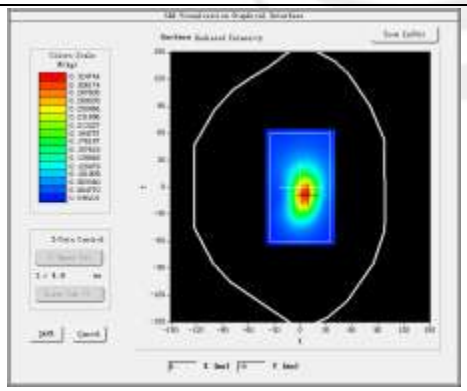
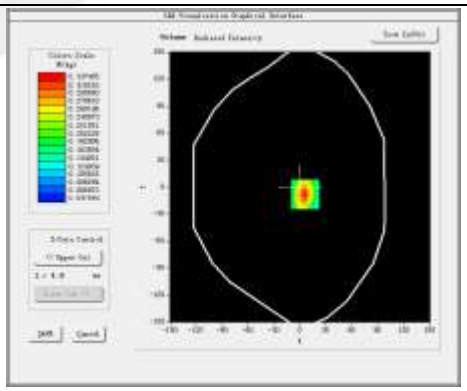
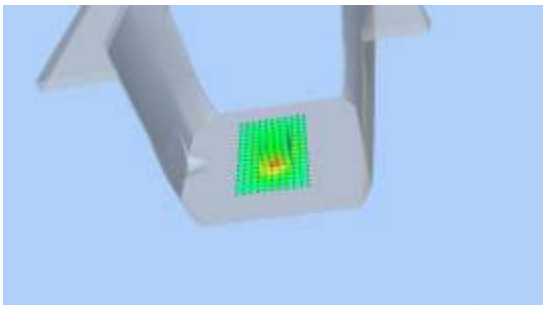
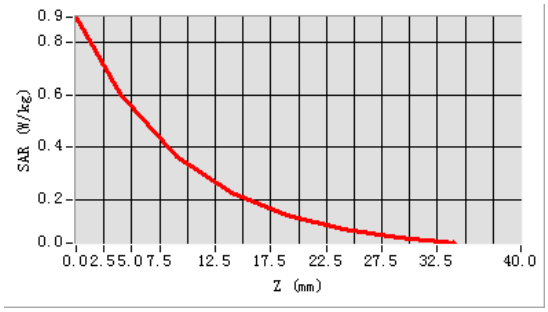
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 57: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
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	LTE Band 4 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1732.5
Relative permittivity (real part)	52.6
Conductivity (S/m)	1.38
Variation (%)	-0.98

Maximum location: X=7.00, Y=-16.00
SAR Peak: 0.90 W/kg

SAR 10g (W/Kg)	0.335637
SAR 1g (W/Kg)	0.576893

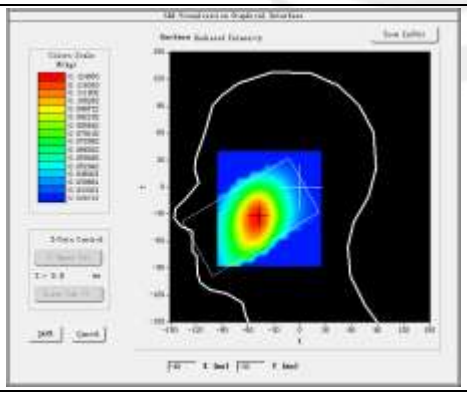
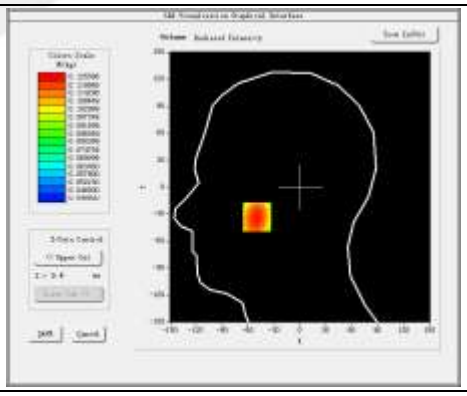
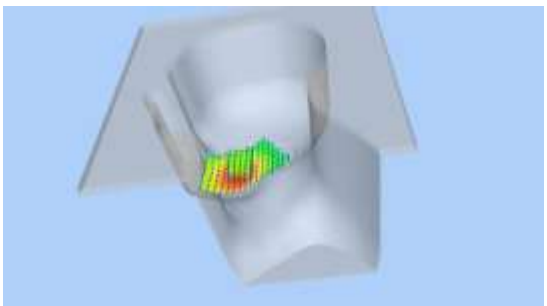
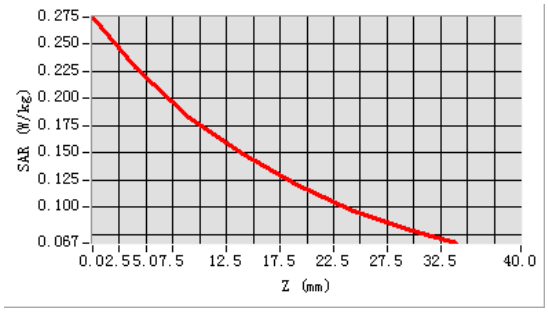
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 58: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	4.20
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Right head
Device Position	Cheek
Band	LTE Band 5 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	836.5
Relative permittivity (real part)	43.39
Conductivity (S/m)	0.92
Variation (%)	0.38

Maximum location: X=-51.00, Y=-28.00
SAR Peak: 0.27 W/kg

SAR 10g (W/Kg)	0.169847
SAR 1g (W/Kg)	0.223018

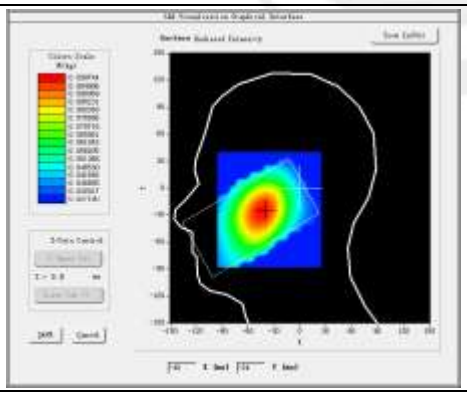
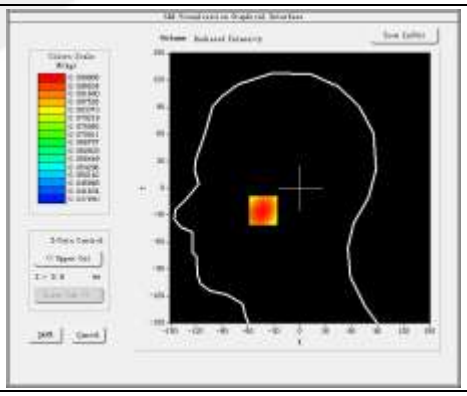
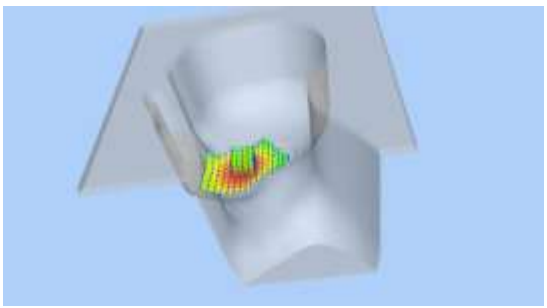
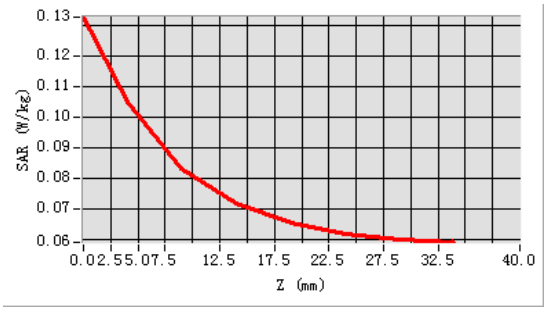
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 59: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	4.20
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Right head
Device Position	Tilt
Band	LTE Band 5 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	836.5
Relative permittivity (real part)	43.39
Conductivity (S/m)	0.92
Variation (%)	0.02

Maximum location: X=-43.00, Y=-25.00
SAR Peak: 0.13 W/kg

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

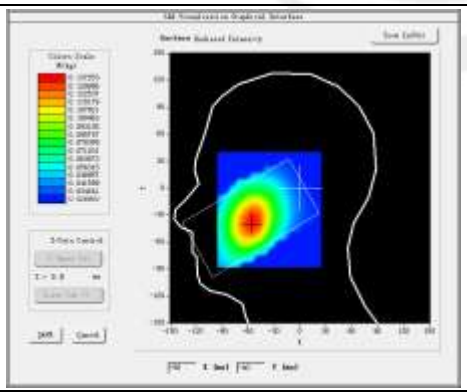
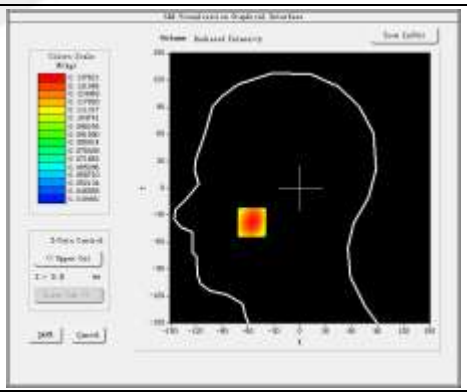
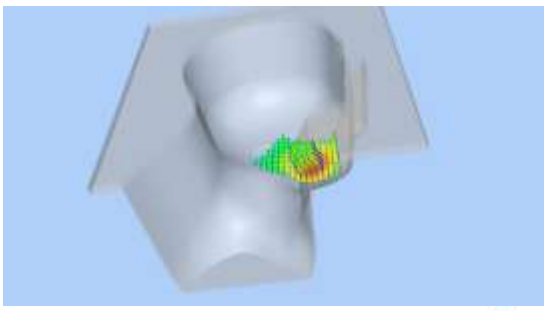
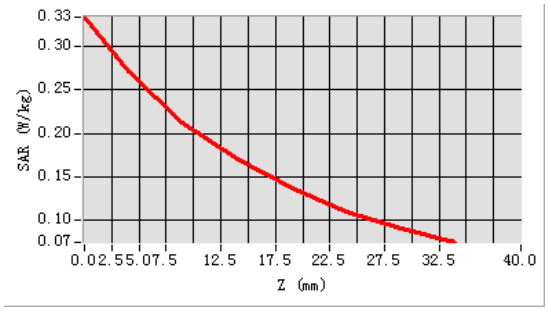
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 60: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	4.20
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	LTE Band 5 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	836.5
Relative permittivity (real part)	43.39
Conductivity (S/m)	0.92
Variation (%)	0.15

Maximum location: X=-51.00, Y=-40.00
SAR Peak: 0.33 W/kg

SAR 10g (W/Kg)	0.197119
SAR 1g (W/Kg)	0.264856

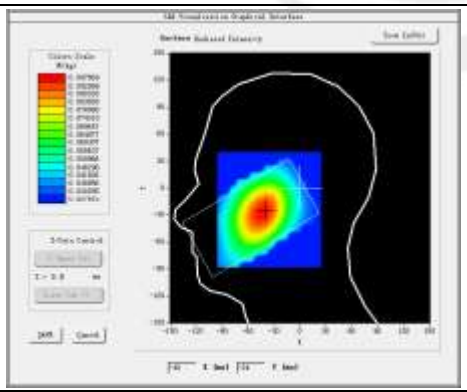
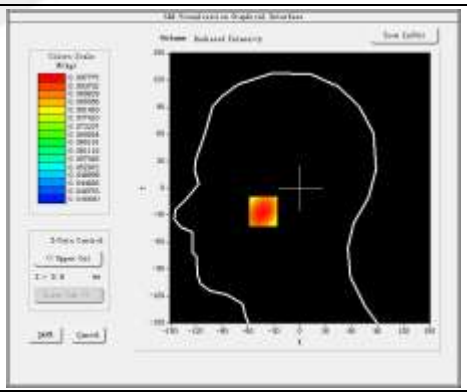
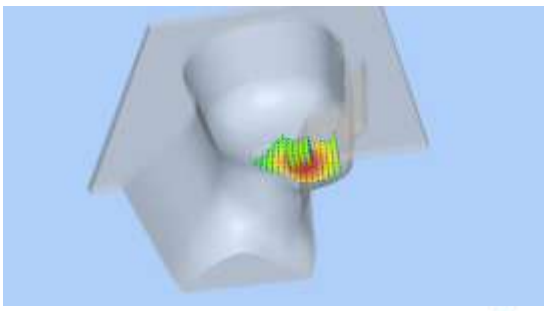
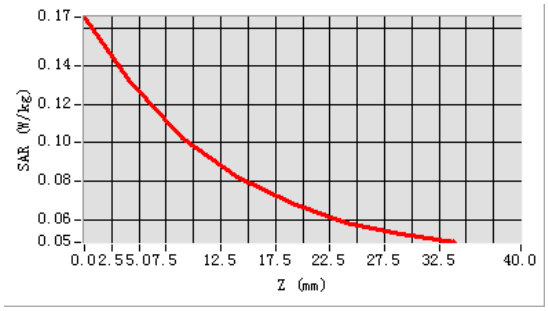
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 61: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	4.20
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Tilt
Band	LTE Band 5 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	836.5
Relative permittivity (real part)	43.39
Conductivity (S/m)	0.92
Variation (%)	-0.10

Maximum location: X=-43.00, Y=-26.00
SAR Peak: 0.17 W/kg

SAR 10g (W/Kg)	0.082471
SAR 1g (W/Kg)	0.123889

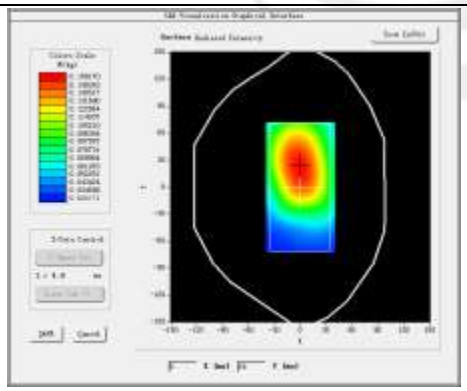
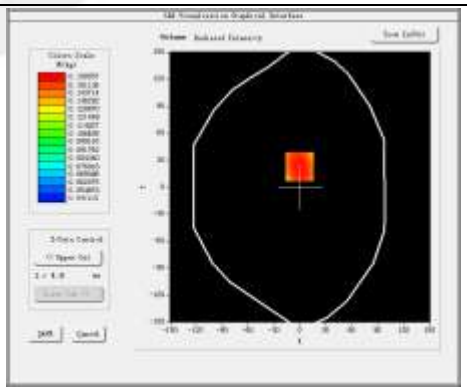
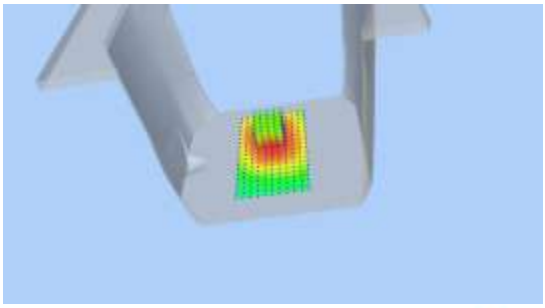
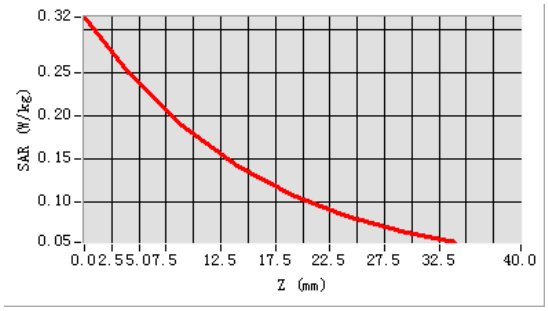
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 62: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	4.32
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body front
Band	LTE Band 5 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	836.5
Relative permittivity (real part)	43.39
Conductivity (S/m)	0.92
Variation (%)	0.27

Maximum location: X=-8.00, Y=-16.00
SAR Peak: 0.32 W/kg

SAR 10g (W/Kg)	0.180155
SAR 1g (W/Kg)	0.245397

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

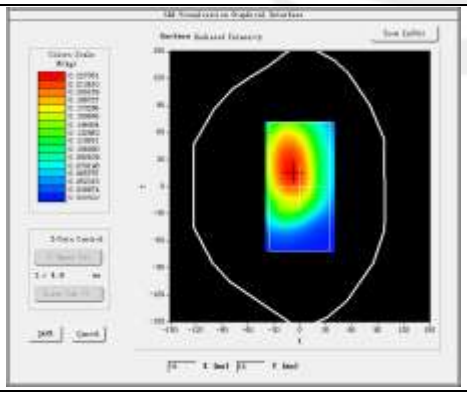
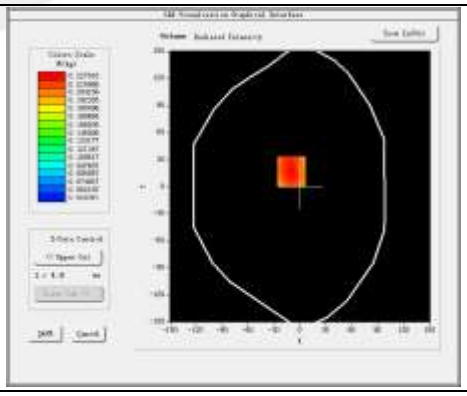
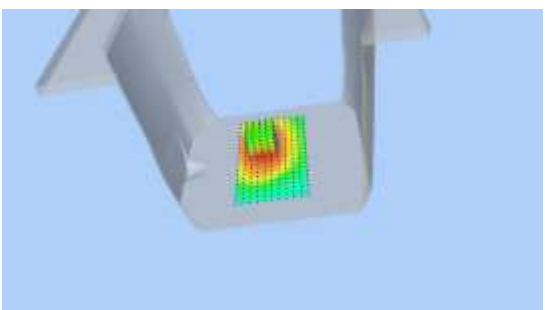
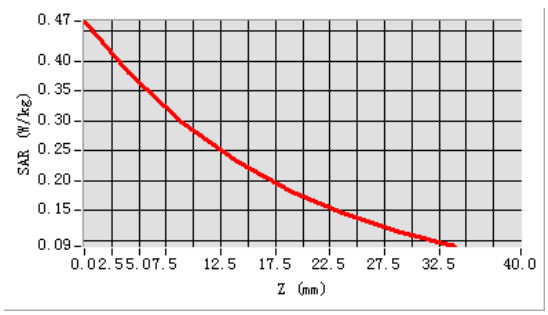
Plot 63: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	4.32
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back
Band	LTE Band 5 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	836.5
Relative permittivity (real part)	43.39
Conductivity (S/m)	0.92
Variation (%)	2.49

Maximum location: X=-8.00, Y=-50.00

SAR Peak: 0.53 W/kg

SAR 10g (W/Kg)	0.301219
SAR 1g (W/Kg)	0.411004

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

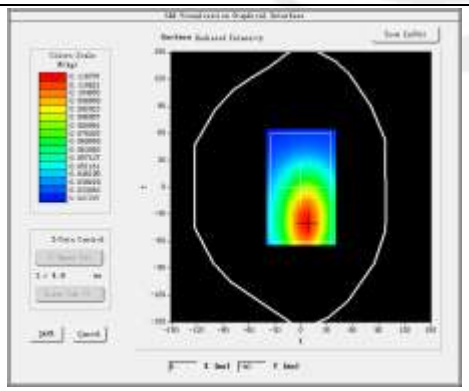
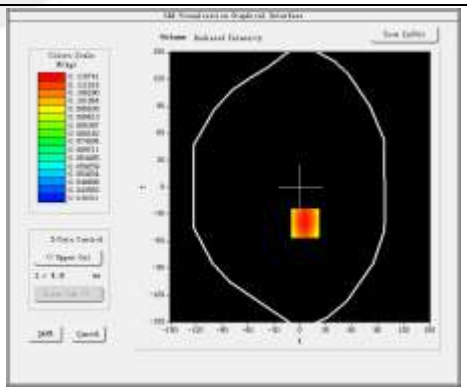
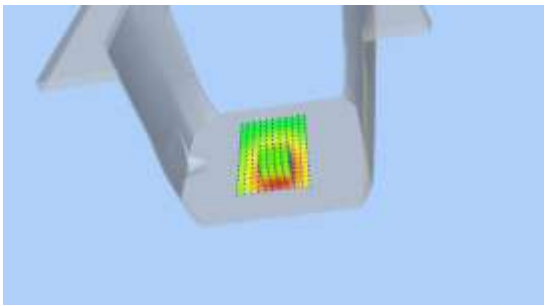
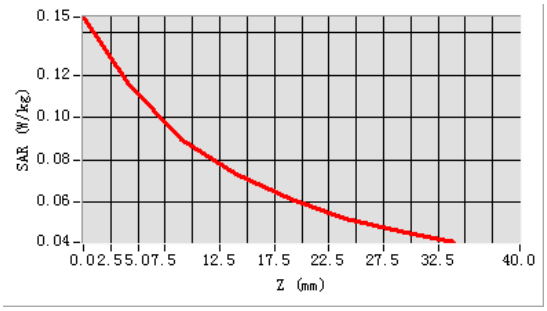
Plot 64: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	4.32
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body left side
Band	LTE Band 5 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	836.5
Relative permittivity (real part)	43.39
Conductivity (S/m)	0.92
Variation (%)	-0.17

Maximum location: X=6.00, Y=-40.00

SAR Peak: 0.15 W/kg

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

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

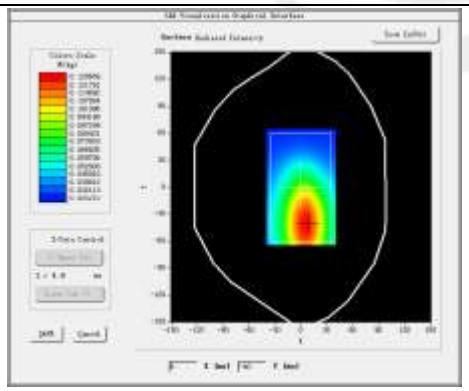
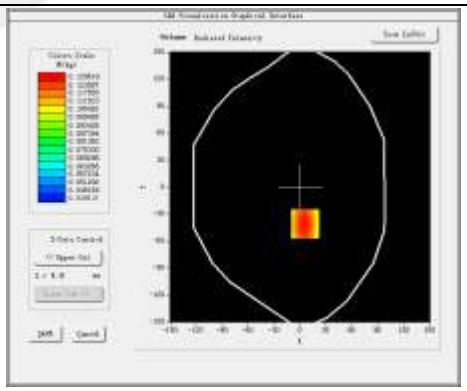
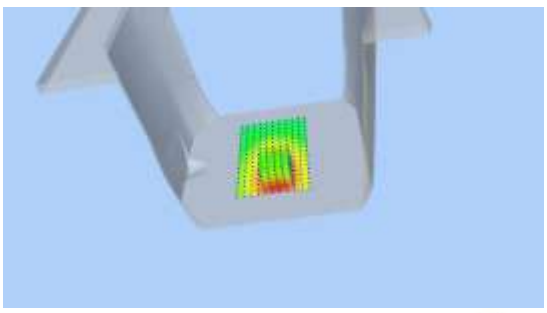
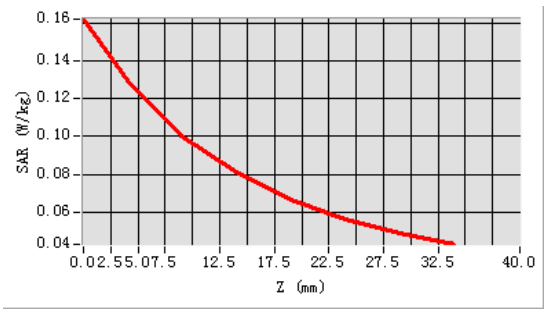
Plot 65: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	4.32
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body right side
Band	LTE Band 5 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	836.5
Relative permittivity (real part)	43.39
Conductivity (S/m)	0.92
Variation (%)	0.08

Maximum location: X=6.00, Y=-41.00

SAR Peak: 0.16 W/kg

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

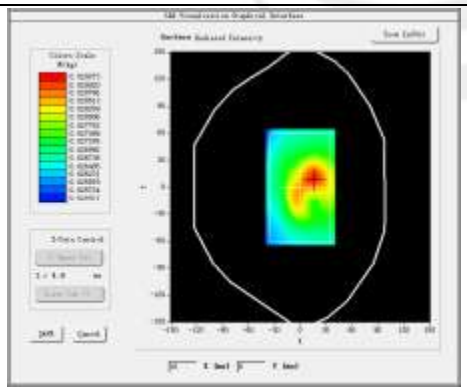
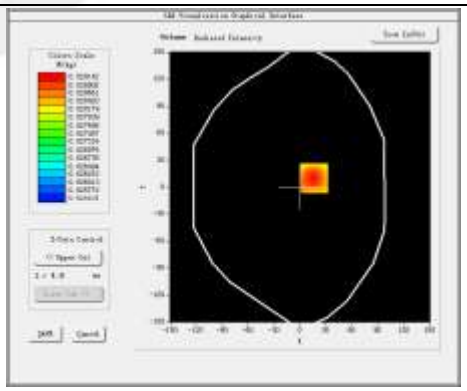
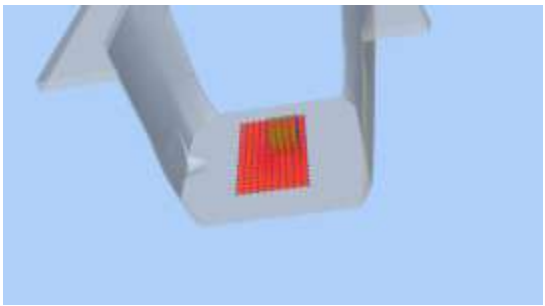
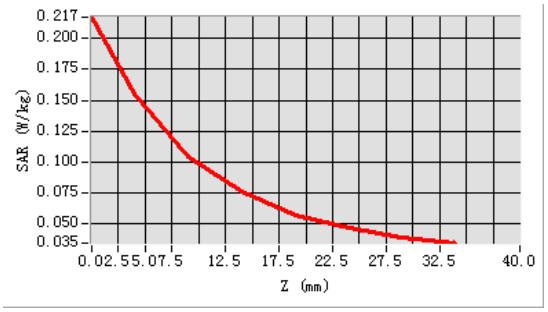
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 66: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	4.32
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body bottom side
Band	LTE Band 5 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	836.5
Relative permittivity (real part)	43.39
Conductivity (S/m)	0.92
Variation (%)	-0.08

Maximum location: X=1.00, Y=-2.00
SAR Peak: 0.22 W/kg

SAR 10g (W/Kg)	0.100649
SAR 1g (W/Kg)	0.150517

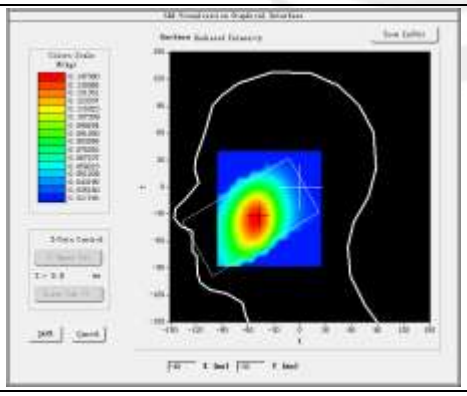
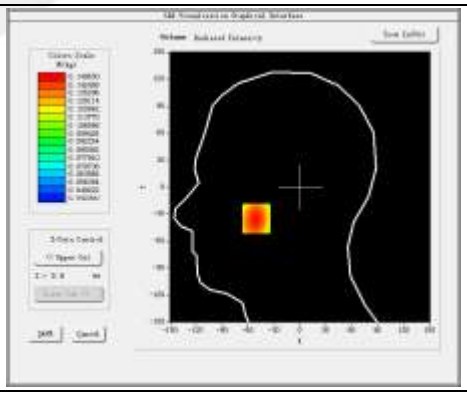
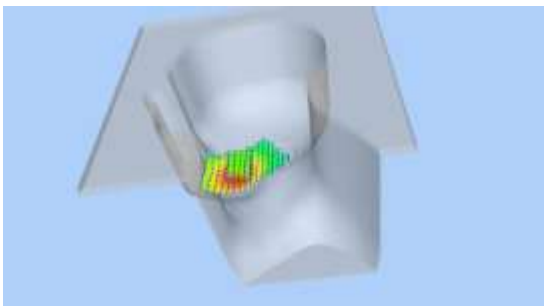
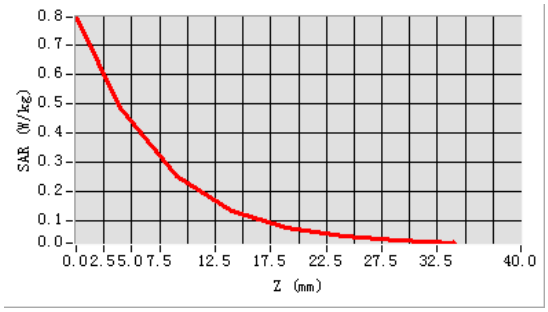
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 67: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	4.53
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Right head
Device Position	Cheek
Band	LTE Band 7 (RB 1)
Channels	Low
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	2510.0
Relative permittivity (real part)	39.12
Conductivity (S/m)	1.86
Variation (%)	-0.48

Maximum location: X=-53.00, Y=-62.00
SAR Peak: 0.79 W/kg

SAR 10g (W/Kg)	0.245530
SAR 1g (W/Kg)	0.460838

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

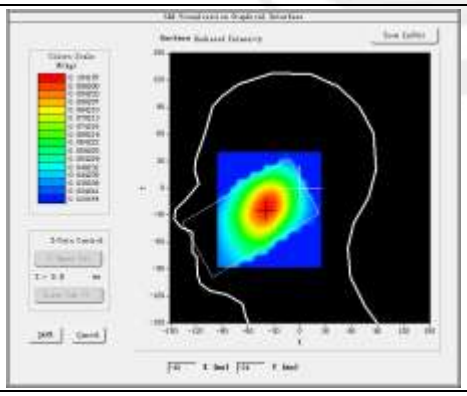
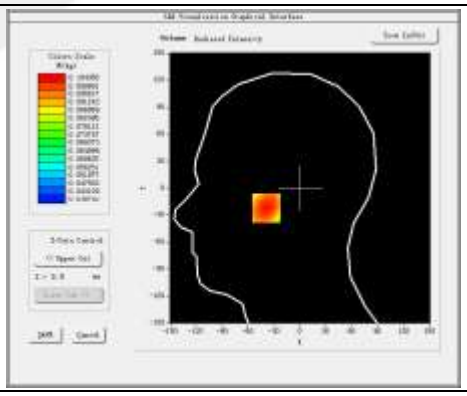
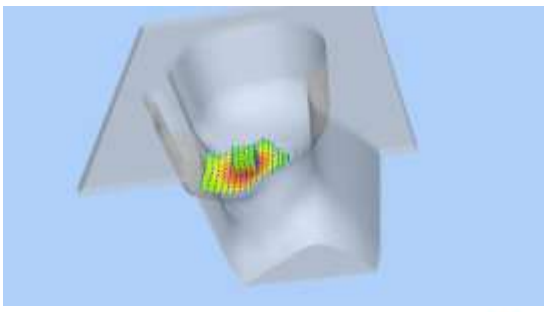
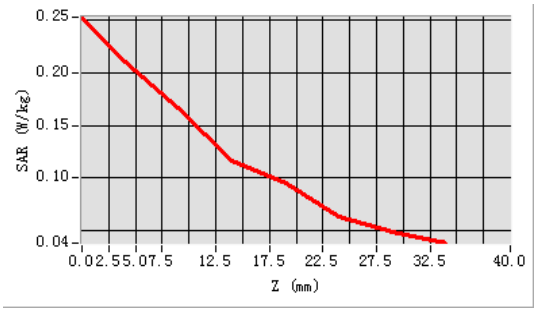
Plot 68: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	4.53
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Right head
Device Position	Tilt
Band	LTE Band 7 (RB 1)
Channels	Low
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	2510.0
Relative permittivity (real part)	39.12
Conductivity (S/m)	1.86
Variation (%)	0.30

Maximum location: X=-35.00, Y=-21.00

SAR Peak: 0.25 W/kg

SAR 10g (W/Kg)	0.103249
SAR 1g (W/Kg)	0.164382

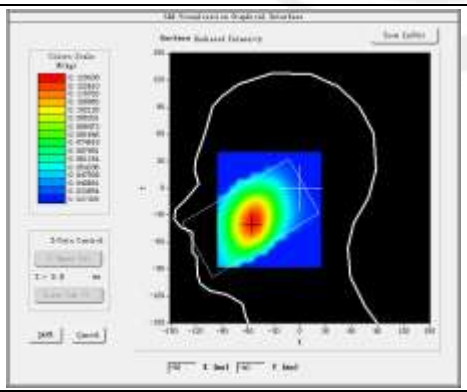
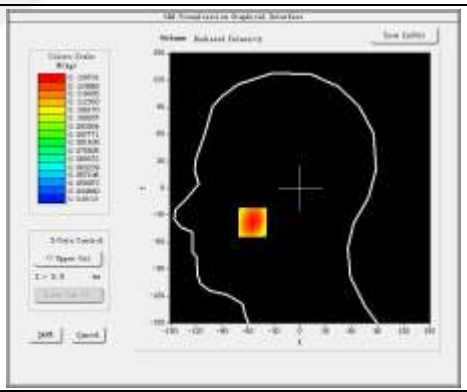
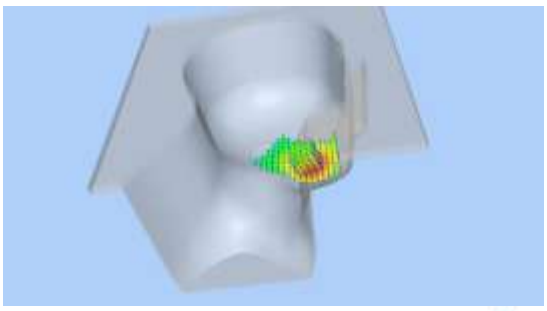
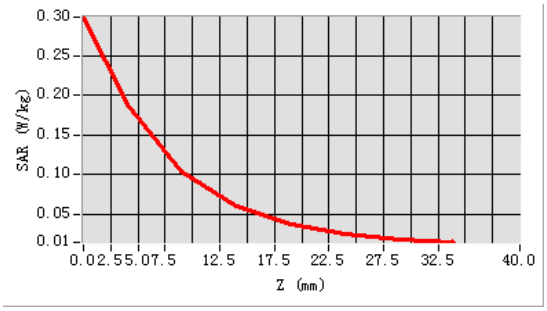
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 69: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	4.53
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	LTE Band 7 (RB 1)
Channels	Low
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	2510.0
Relative permittivity (real part)	39.12
Conductivity (S/m)	1.86
Variation (%)	-1.73

Maximum location: X=-50.00, Y=-2.00
SAR Peak: 0.30 W/kg

SAR 10g (W/Kg)	0.103937
SAR 1g (W/Kg)	0.181487

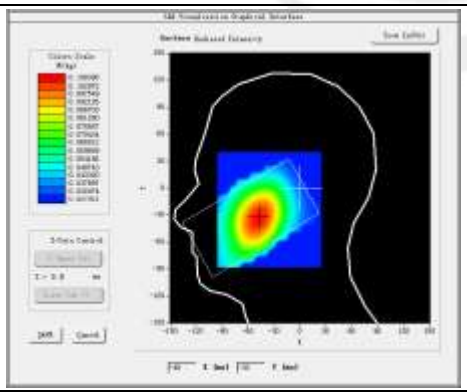
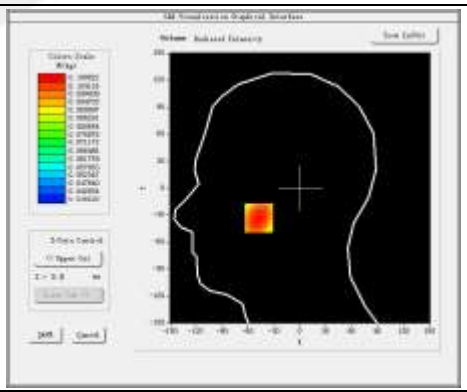
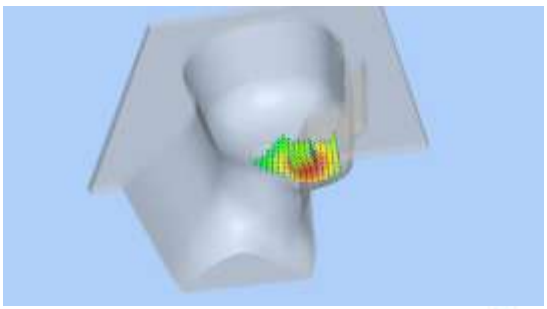
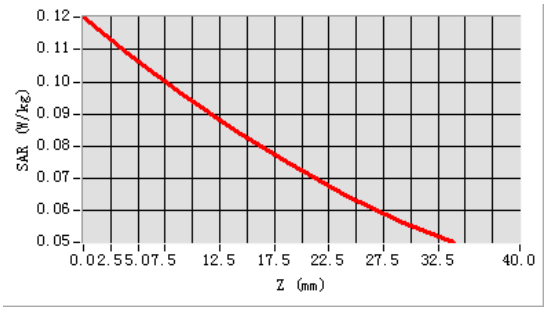
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 70: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	4.53
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Tilt
Band	LTE Band 7 (RB 1)
Channels	Low
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	2510.0
Relative permittivity (real part)	39.12
Conductivity (S/m)	1.86
Variation (%)	-3.57

Maximum location: X=-48.00, Y=-33.00
SAR Peak: 0.12 W/kg

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

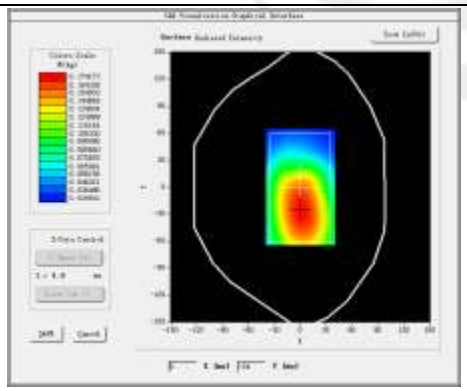
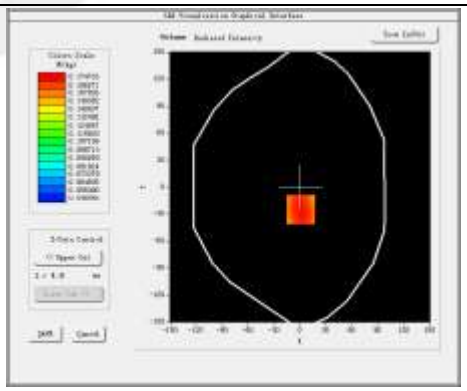
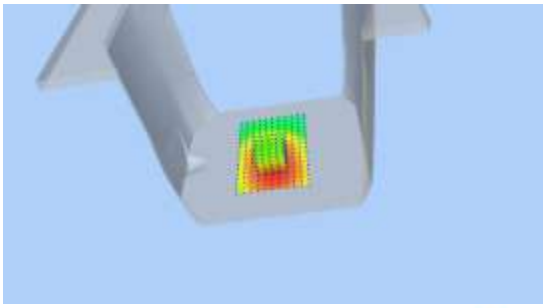
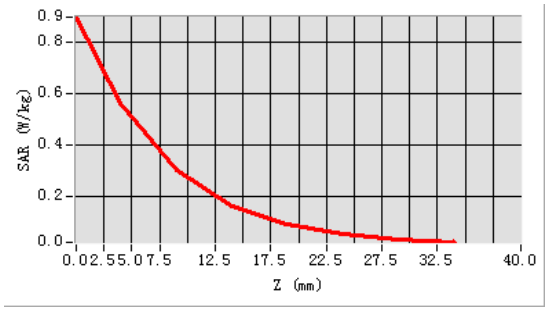
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 71: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	4.70
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body front
Band	LTE Band 7 (RB 1)
Channels	Low
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	2510.0
Relative permittivity (real part)	39.12
Conductivity (S/m)	1.86
Variation (%)	-1.96

Maximum location: X=-17.00, Y=-8.00
SAR Peak: 0.92 W/kg

SAR 10g (W/Kg)	0.290564
SAR 1g (W/Kg)	0.540155

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

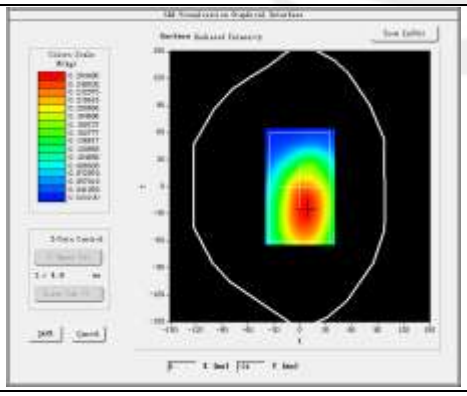
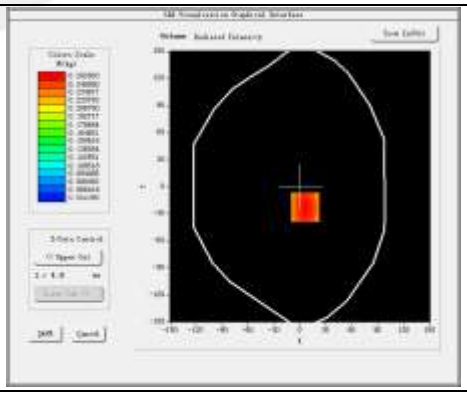
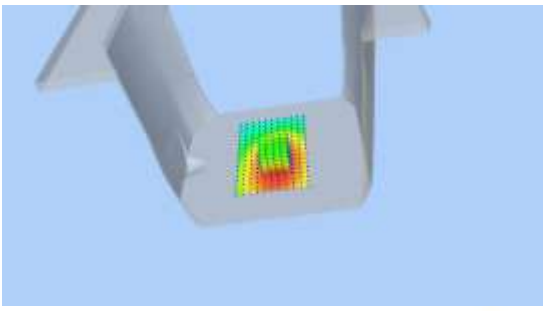
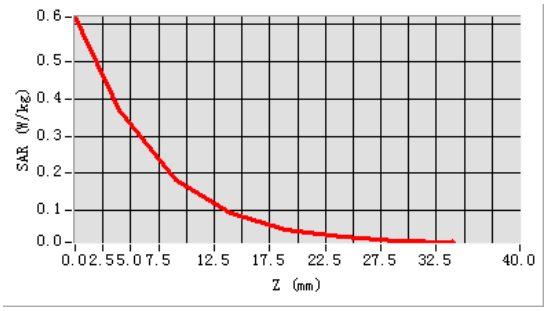
Plot 72: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	4.70
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back
Band	LTE Band 7 (RB 1)
Channels	Low
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	2510.0
Relative permittivity (real part)	39.12
Conductivity (S/m)	1.86
Variation (%)	-1.02

Maximum location: X=1.00, Y=23.00

SAR Peak: 0.90 W/kg

SAR 10g (W/Kg)	0.246390
SAR 1g (W/Kg)	0.514406

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

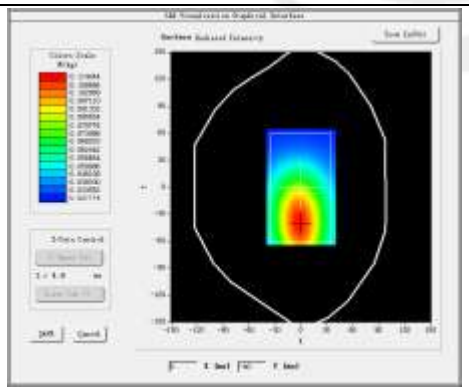
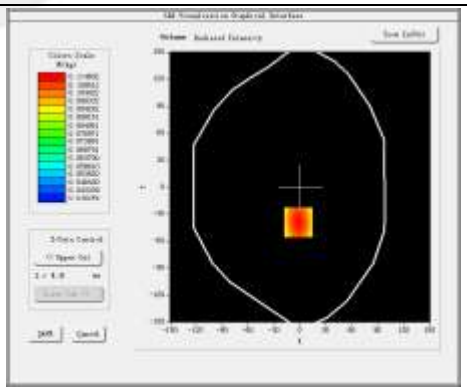
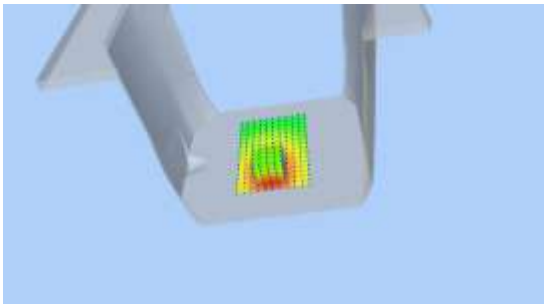
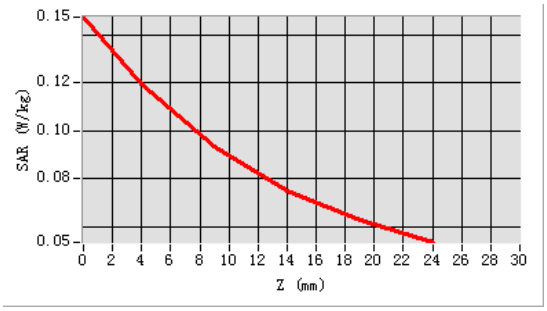
Plot 73: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	4.70
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body left side
Band	LTE Band 7 (RB 1)
Channels	Low
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	2510.0
Relative permittivity (real part)	39.12
Conductivity (S/m)	1.86
Variation (%)	-0.35

Maximum location: X=-5.00, Y=-68.00

SAR Peak: 0.15 W/kg

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

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

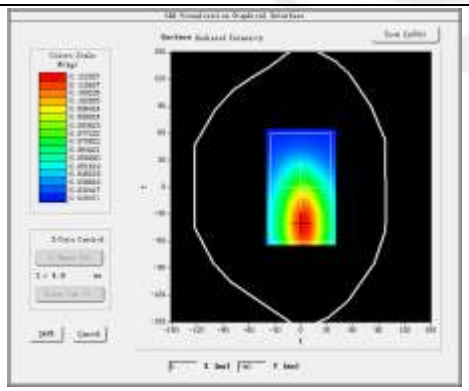
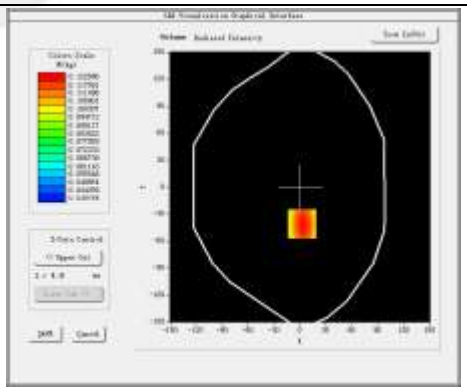
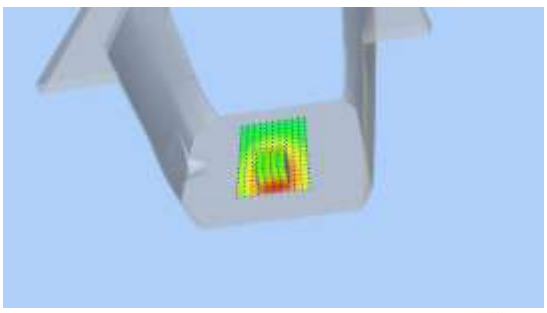
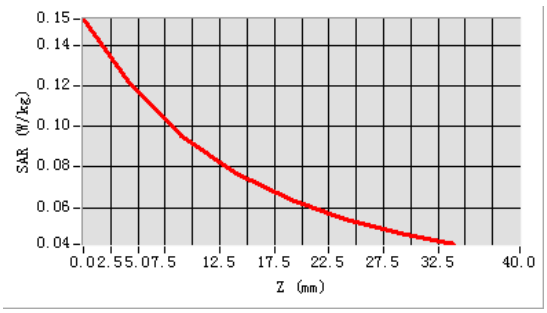
Plot 74: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	4.70
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body right side
Band	LTE Band 7 (RB 1)
Channels	Low
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	2510.0
Relative permittivity (real part)	39.12
Conductivity (S/m)	1.86
Variation (%)	-1.93

Maximum location: X=6.00, Y=-71.00

SAR Peak: 0.15 W/kg

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

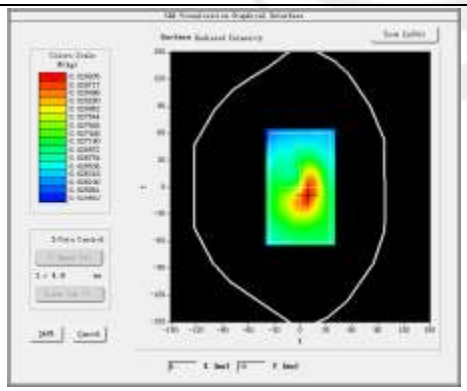
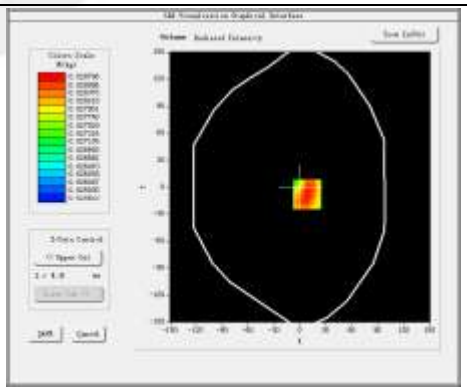
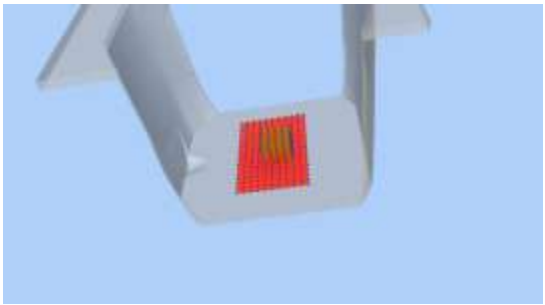
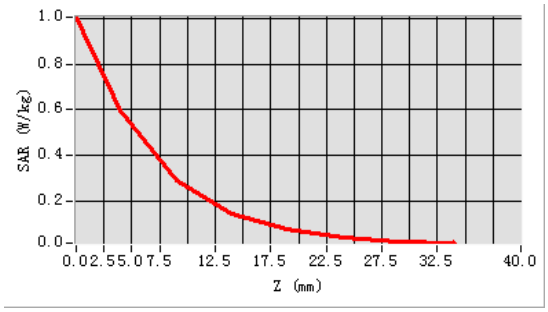
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 75: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	4.70
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body bottom side
Band	LTE Band 7 (RB 1)
Channels	Low
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	2510.0
Relative permittivity (real part)	39.12
Conductivity (S/m)	1.86
Variation (%)	-0.27

Maximum location: X=-1.00, Y=-13.00
SAR Peak: 1.00 W/kg

SAR 10g (W/Kg)	0.275768
SAR 1g (W/Kg)	0.560008

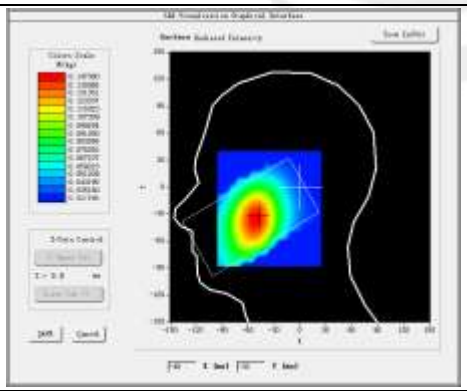
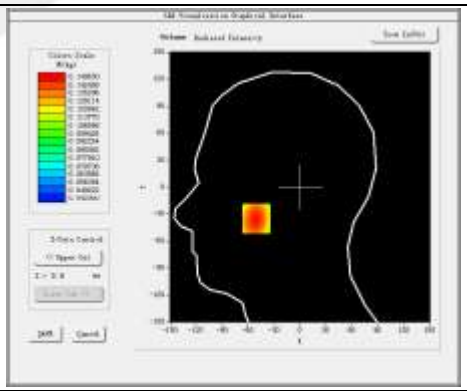
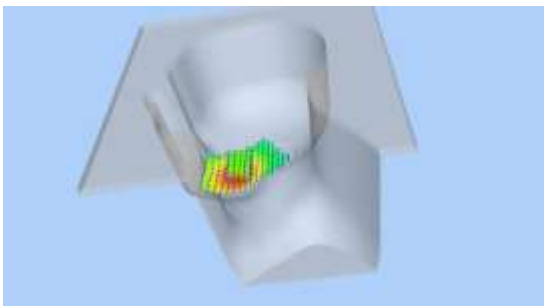
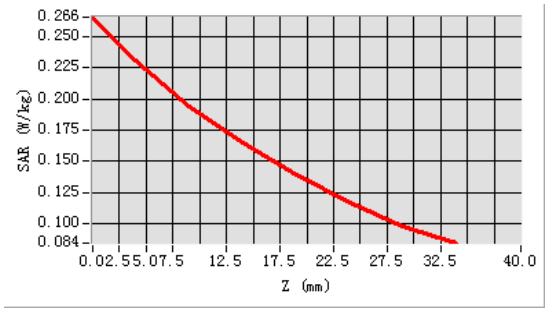
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 76: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	4.53
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Right head
Device Position	Cheek
Band	LTE Band 17 (RB 1)
Channels	Low
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	709.0
Relative permittivity (real part)	41.2
Conductivity (S/m)	0.91
Variation (%)	-0.01

Maximum location: X=-54.00, Y=-39.00
SAR Peak: 0.27 W/kg

SAR 10g (W/Kg)	0.182812
SAR 1g (W/Kg)	0.229397

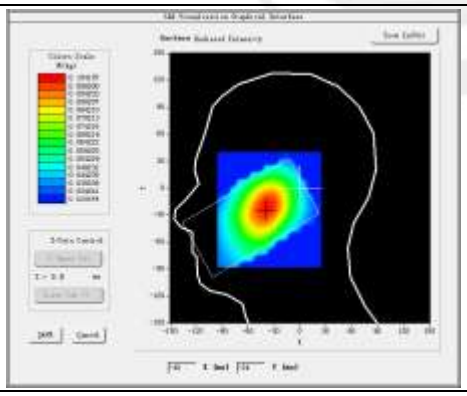
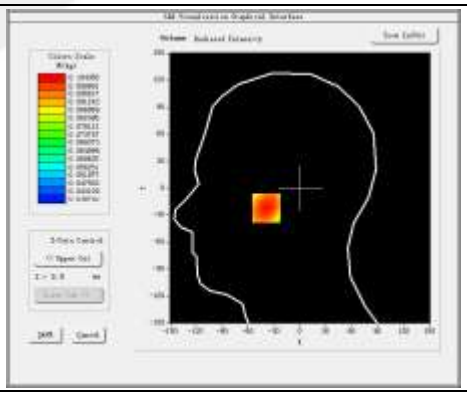
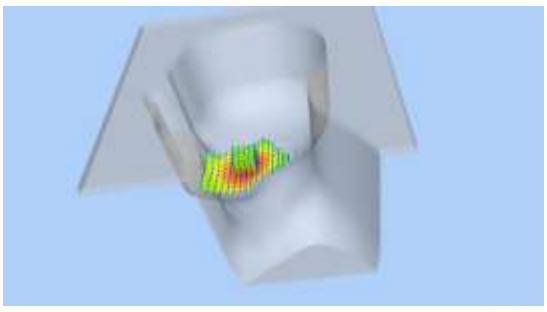
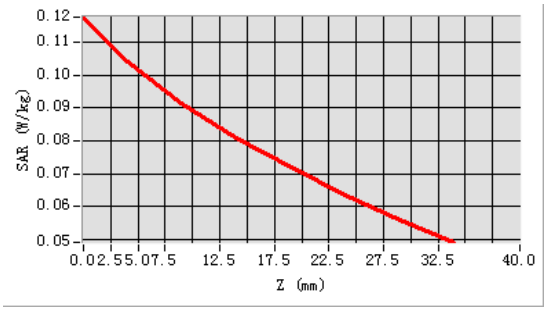
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 77: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	4.53
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Right head
Device Position	Tilt
Band	LTE Band 17 (RB 1)
Channels	Low
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	709.0
Relative permittivity (real part)	41.2
Conductivity (S/m)	0.91
Variation (%)	-3.72

Maximum location: X=-36.00, Y=-21.00
SAR Peak: 0.12 W/kg

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

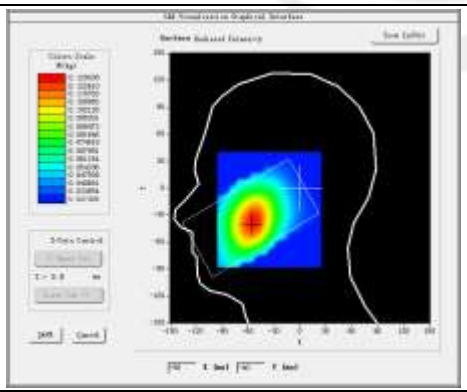
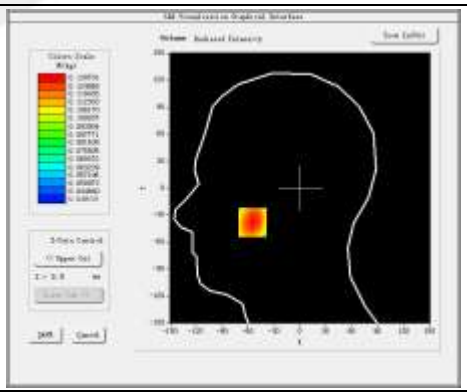
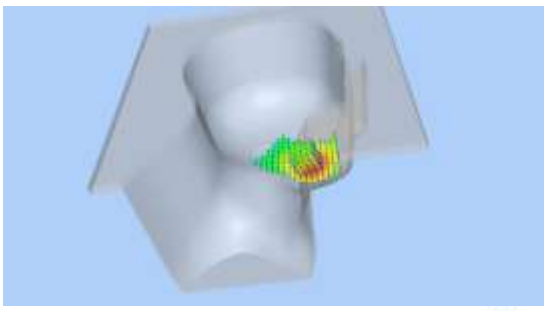
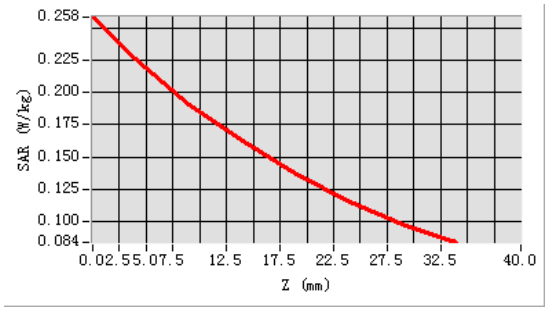
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 78: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	4.53
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	LTE Band 17 (RB 1)
Channels	Low
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	709.0
Relative permittivity (real part)	41.2
Conductivity (S/m)	0.91
Variation (%)	-0.02

Maximum location: X=-55.00, Y=-37.00
SAR Peak: 0.26 W/kg

SAR 10g (W/Kg)	0.178167
SAR 1g (W/Kg)	0.223898

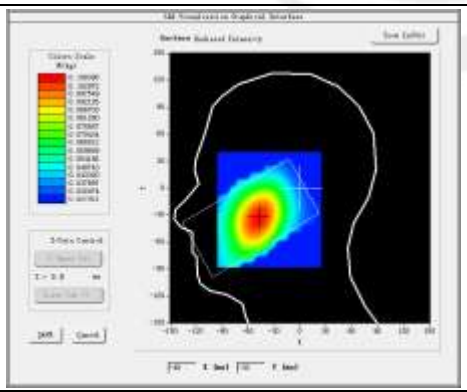
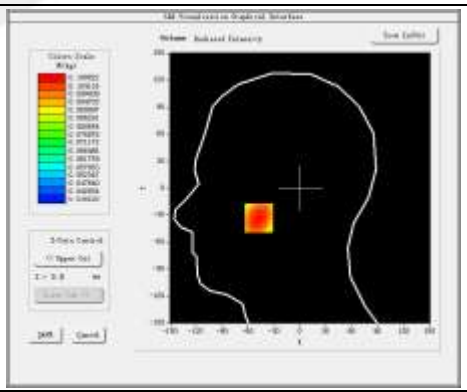
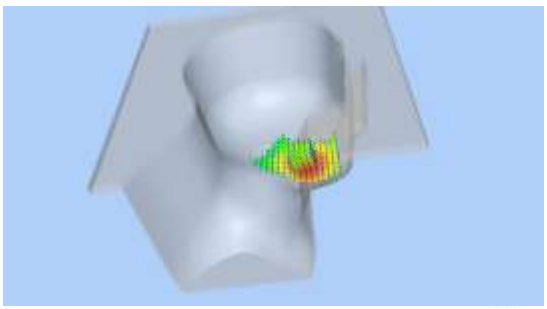
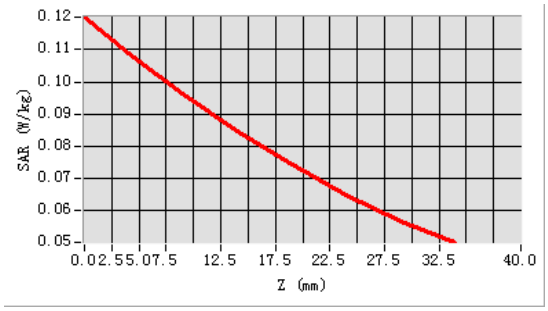
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 79: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	4.53
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Tilt
Band	LTE Band 17 (RB 1)
Channels	Low
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	709.0
Relative permittivity (real part)	41.2
Conductivity (S/m)	0.91
Variation (%)	0.21

Maximum location: X=-44.00, Y=-37.00
SAR Peak: 0.12 W/kg

SAR 10g (W/Kg)	0.086792
SAR 1g (W/Kg)	0.107164

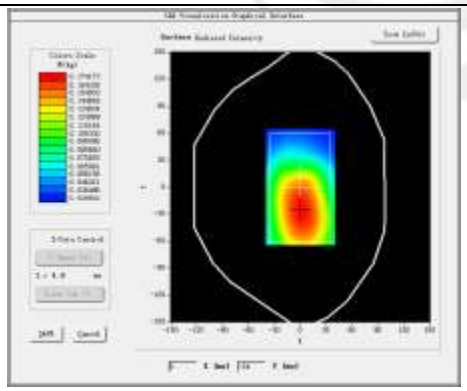
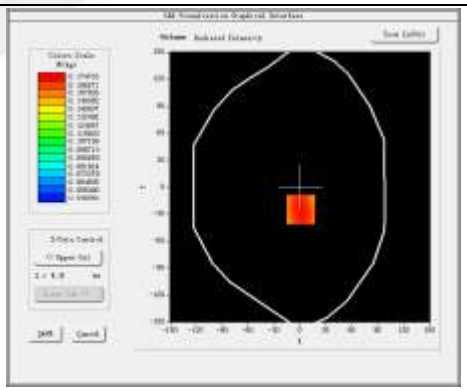
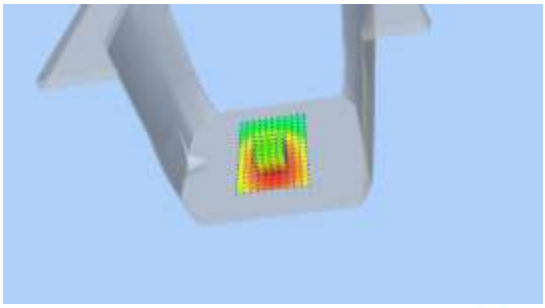
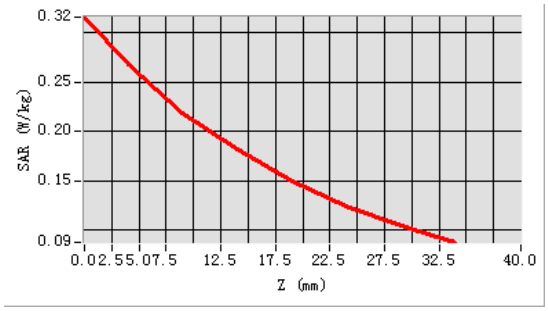
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 80: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	4.70
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body front
Band	LTE Band 17 (RB 1)
Channels	Low
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	709.0
Relative permittivity (real part)	55.26
Conductivity (S/m)	0.91
Variation (%)	0.57

Maximum location: X=11.00, Y=-47.00
SAR Peak: 0.32 W/kg

SAR 10g (W/Kg)	0.210992
SAR 1g (W/Kg)	0.266579

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

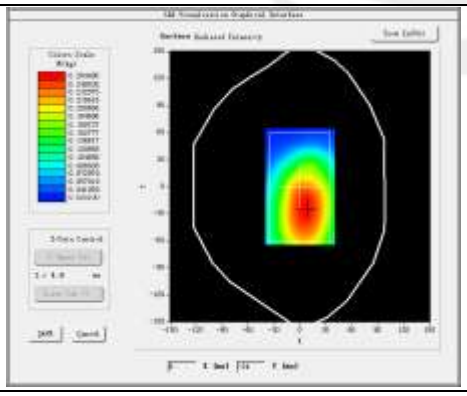
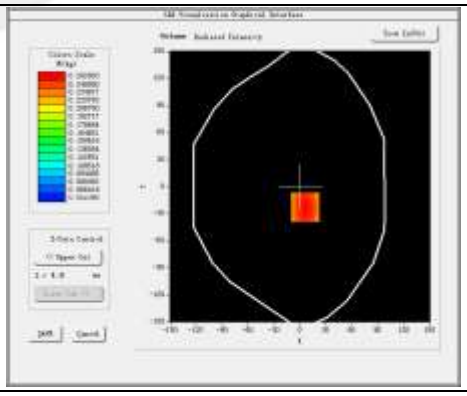
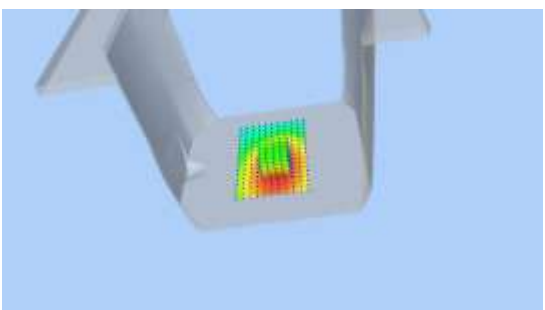
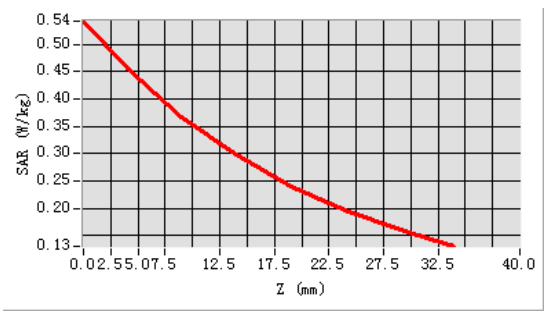
Plot 81: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	4.70
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back
Band	LTE Band 17 (RB 1)
Channels	Low
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	709.0
Relative permittivity (real part)	55.26
Conductivity (S/m)	0.91
Variation (%)	0.39

Maximum location: X=-5.00, Y=-49.00

SAR Peak: 0.54 W/kg

SAR 10g (W/Kg)	0.351306
SAR 1g (W/Kg)	0.452072

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

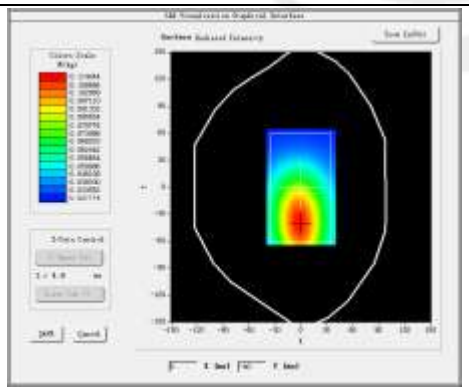
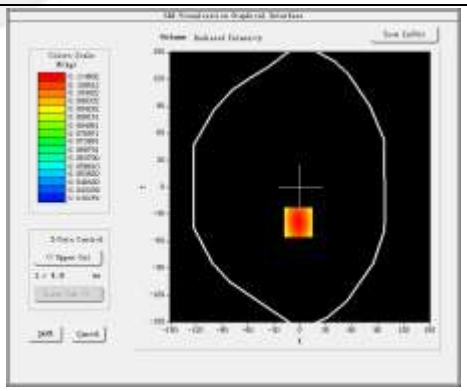
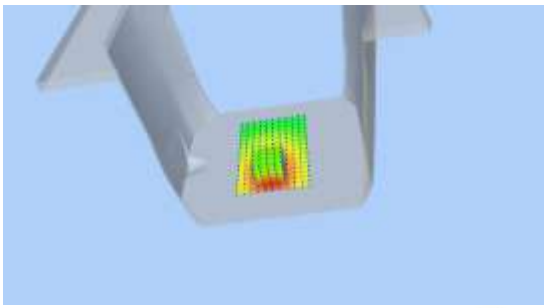
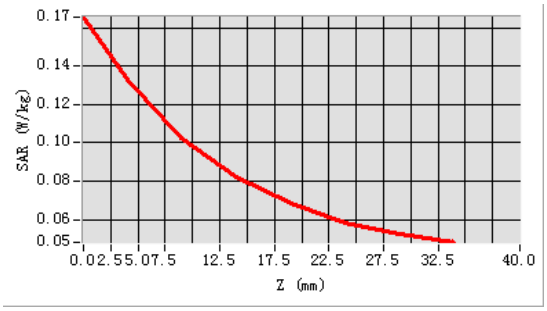
Plot 82: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	4.70
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body left side
Band	LTE Band 17 (RB 1)
Channels	Low
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	709.0
Relative permittivity (real part)	55.26
Conductivity (S/m)	0.91
Variation (%)	-0.22

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

SAR Peak: 0.17 W/kg

SAR 10g (W/Kg)	0.090356
SAR 1g (W/Kg)	0.126349

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

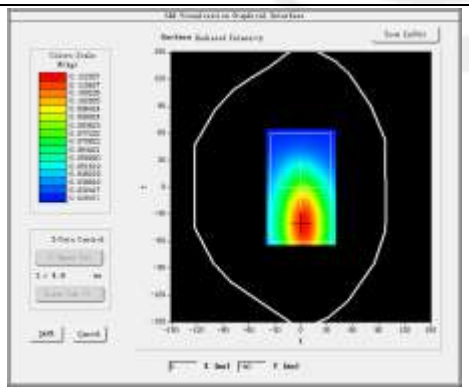
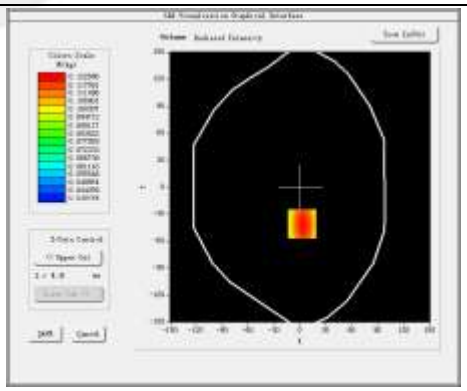
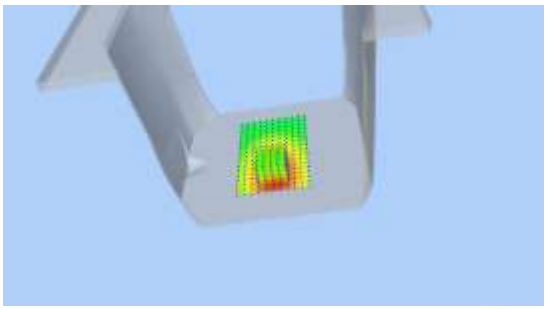
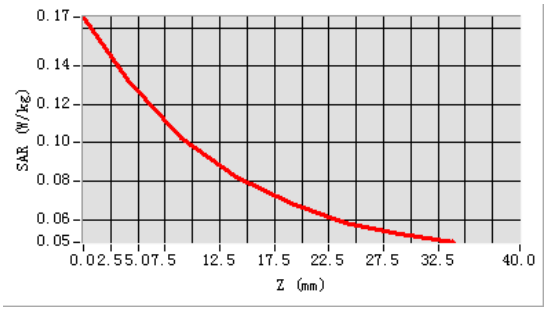
Plot 83: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	4.70
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body right side
Band	LTE Band 17 (RB 1)
Channels	Low
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	709.0
Relative permittivity (real part)	55.26
Conductivity (S/m)	0.91
Variation (%)	-1.49

Maximum location: X=2.00, Y=-41.00

SAR Peak: 0.17 W/kg

SAR 10g (W/Kg)	0.095973
SAR 1g (W/Kg)	0.130572

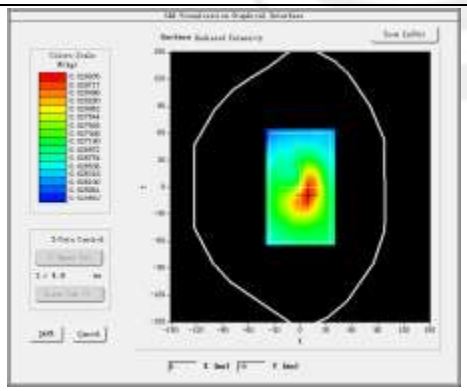
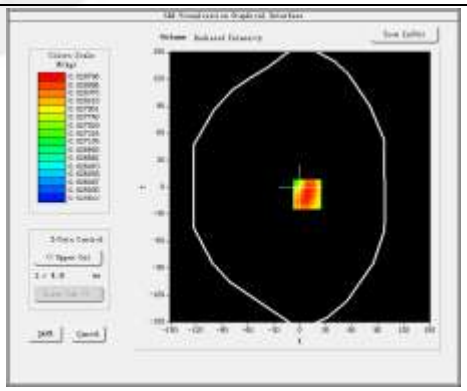
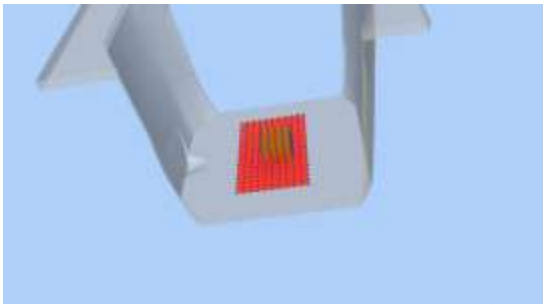
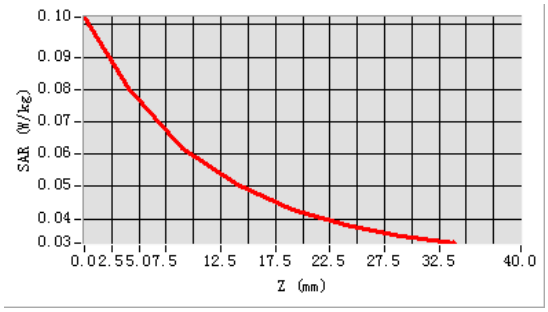
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 84: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Ambient Temperature(°C)	22.70
Liquid Temperature(°C)	22.30
Probe	SN 17/14 EP221
ConvF	4.70
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body bottom side
Band	LTE Band 17 (RB 1)
Channels	Low
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	709.0
Relative permittivity (real part)	55.26
Conductivity (S/m)	0.91
Variation (%)	0.14

Maximum location: X=6.00, Y=-25.00
SAR Peak: 0.10 W/kg

SAR 10g (W/Kg)	0.060825
SAR 1g (W/Kg)	0.079554

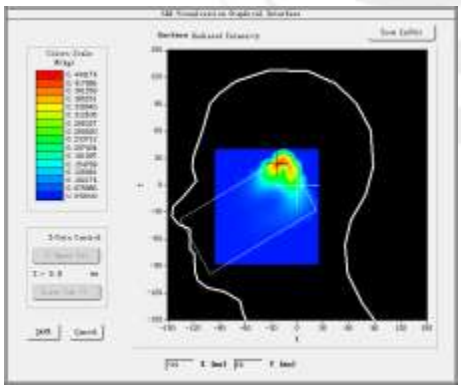
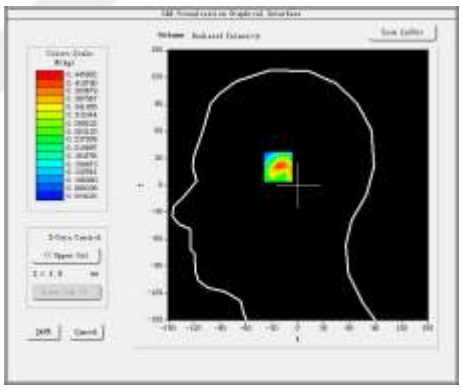
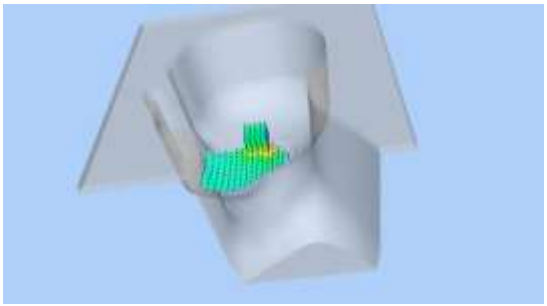
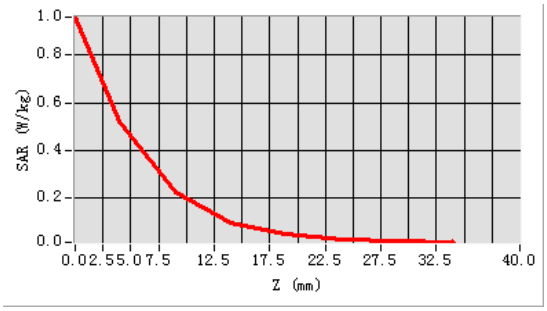
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 85: DUT:LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Probe	SN 17/14 EP221
ConvF	4.11
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Right head
Device Position	Cheek
Band	IEEE 802.11g ISM
Channels	Low
Signal	IEEE802.g (Crest factor: 1.0)
Frequency (MHz)	2412
Relative permittivity (real part)	39.23
Conductivity (S/m)	1.79
Variation (%)	-1.11

Maximum location: X=-5.00, Y=23.00
SAR Peak: 0.96 W/kg

SAR 10g (W/Kg)	0.202660
SAR 1g (W/Kg)	0.480484

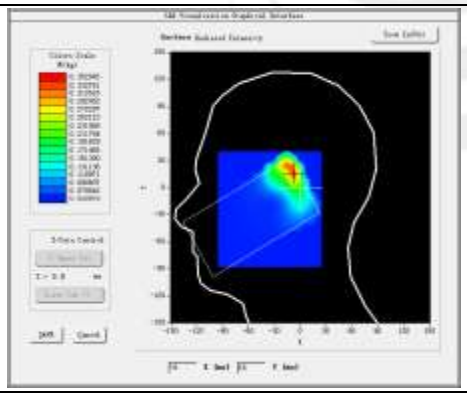
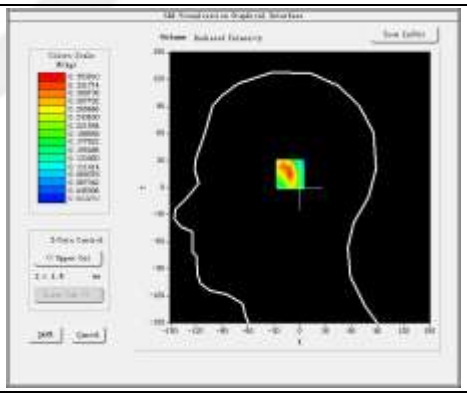
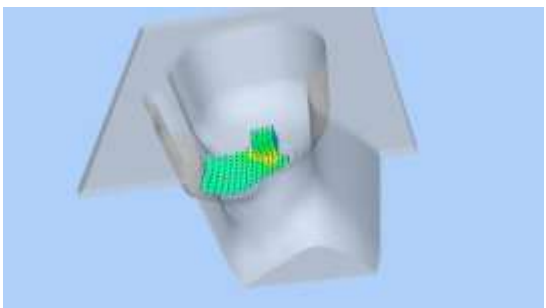
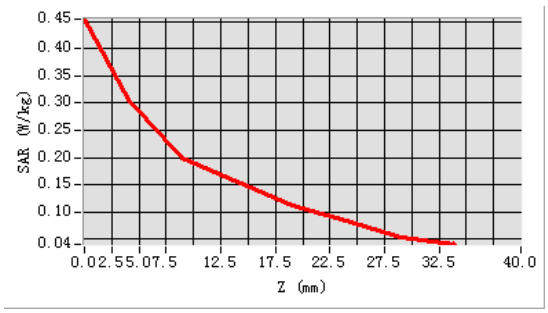
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 86: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Probe	SN 17/14 EP221
ConvF	4.11
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Right head
Device Position	Tilt
Band	IEEE 802.11g ISM
Channels	Low
Signal	IEEE802.g (Crest factor: 1.0)
Frequency (MHz)	2412
Relative permittivity (real part)	39.23
Conductivity (S/m)	1.79
Variation (%)	-0.83

Maximum location: X=-5.00, Y=-33.00
SAR Peak: 0.45 W/kg

SAR 10g (W/Kg)	0.123543
SAR 1g (W/Kg)	0.215348

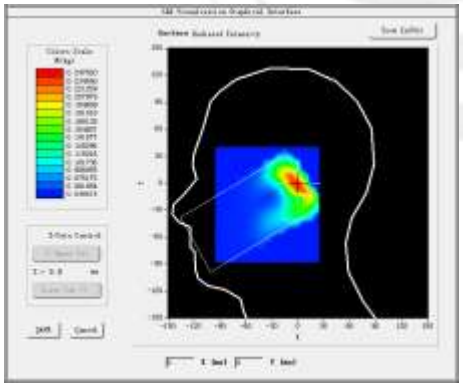
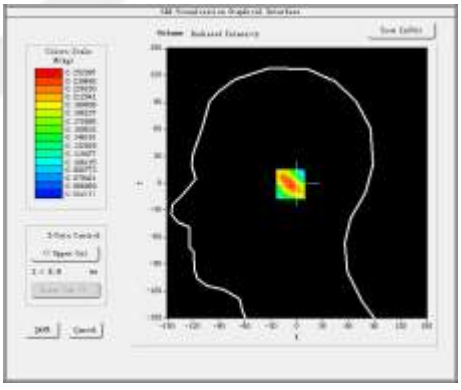
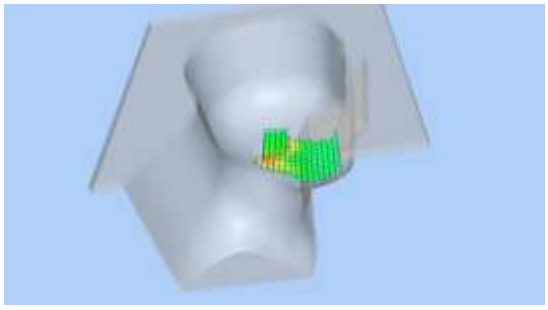
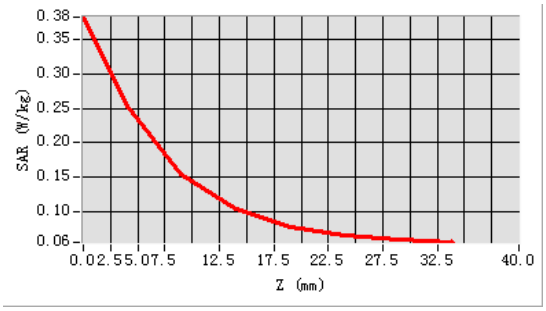
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 87: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Probe	SN 17/14 EP221
ConvF	4.11
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	IEEE 802.11g ISM
Channels	Low
Signal	IEEE802.g (Crest factor: 1.0)
Frequency (MHz)	2412
Relative permittivity (real part)	39.23
Conductivity (S/m)	1.79
Variation (%)	-2.00

Maximum location: X=5.00, Y=-19.00
SAR Peak: 0.38 W/kg

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

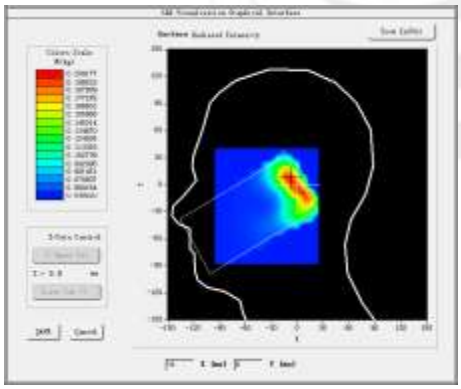
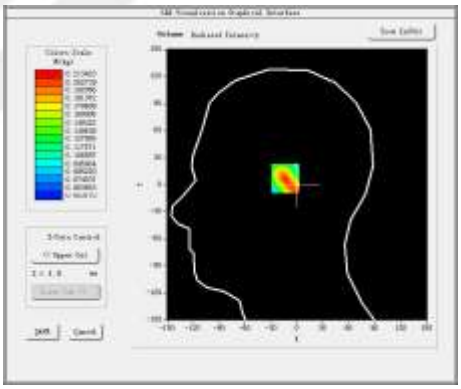
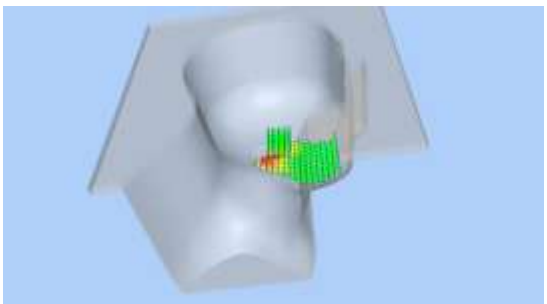
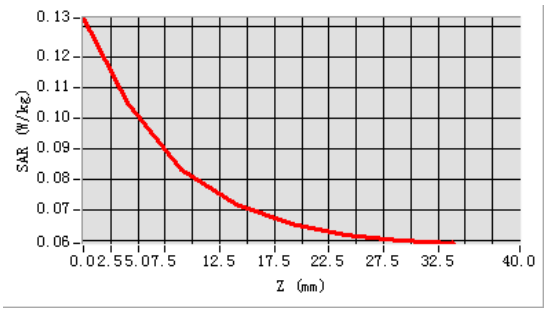
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 88: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Probe	SN 17/14 EP221
ConvF	4.11
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Tilt
Band	IEEE 802.11g ISM
Channels	Low
Signal	IEEE802.g (Crest factor: 1.0)
Frequency (MHz)	2412
Relative permittivity (real part)	39.23
Conductivity (S/m)	1.79
Variation (%)	-2.05

Maximum location: X=-2.00, Y=11.00
SAR Peak: 0.15 W/kg

SAR 10g (W/Kg)	0.036192
SAR 1g (W/Kg)	0.080181

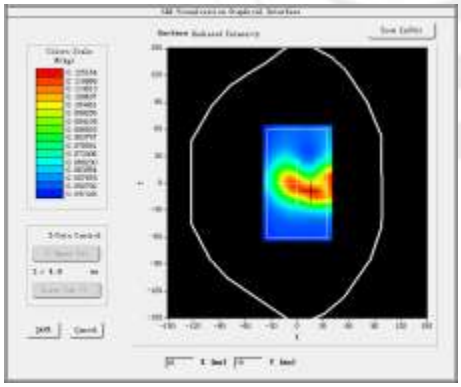
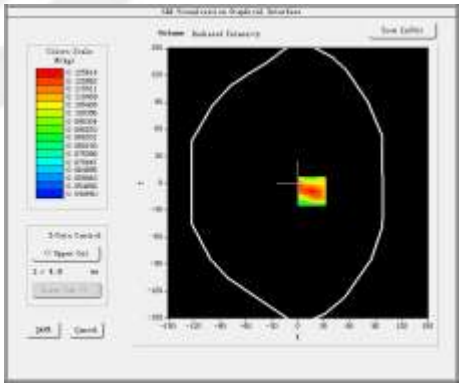
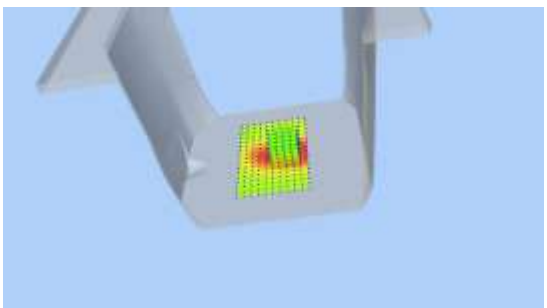
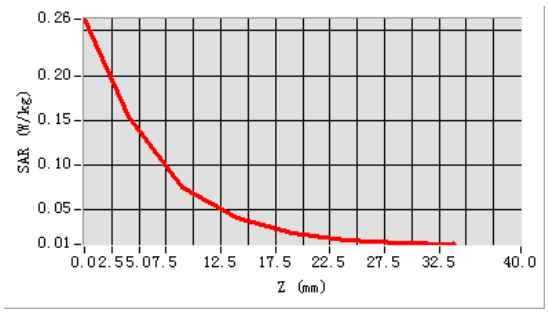
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 89: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Probe	SN 17/14 EP221
ConvF	4.25
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body Front side
Band	IEEE 802.11g ISM
Channels	Low
Signal	IEEE802.g (Crest factor: 1.0)
Frequency (MHz)	2412
Relative permittivity (real part)	39.23
Conductivity (S/m)	1.79
Variation (%)	-0.10

Maximum location: X=7.00, Y=-9.00
SAR Peak: 0.27 W/kg

SAR 10g (W/Kg)	0.077797
SAR 1g (W/Kg)	0.148881

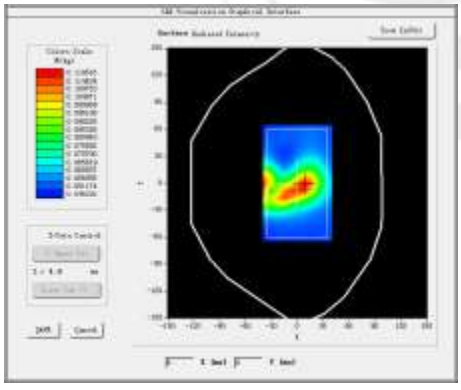
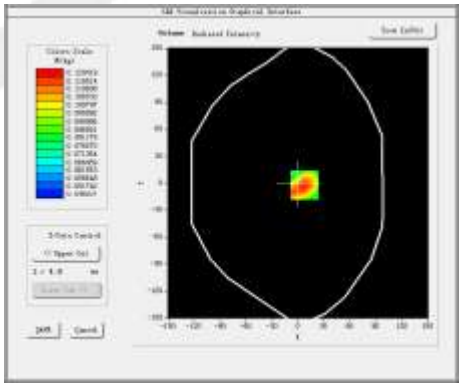
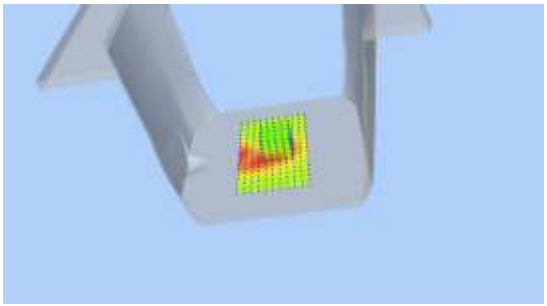
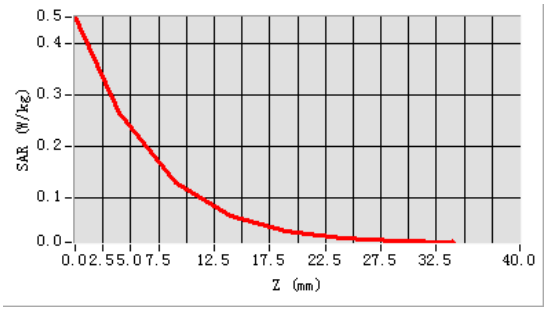
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 90: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Probe	SN 17/14 EP221
ConvF	4.25
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back side
Band	IEEE 802.11g ISM
Channels	Low
Signal	IEEE802.g (Crest factor: 1.0)
Frequency (MHz)	2412
Relative permittivity (real part)	39.23
Conductivity (S/m)	1.79
Variation (%)	-1.29

Maximum location: X=1.00, Y=-5.00
SAR Peak: 0.46 W/kg

SAR 10g (W/Kg)	0.123031
SAR 1g (W/Kg)	0.250959

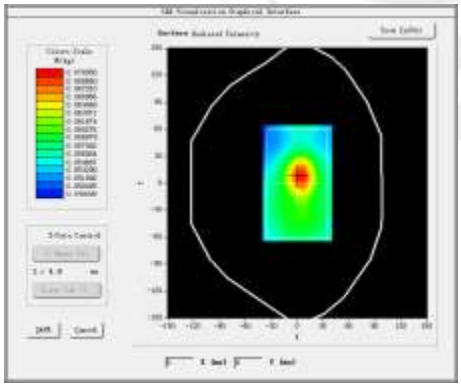
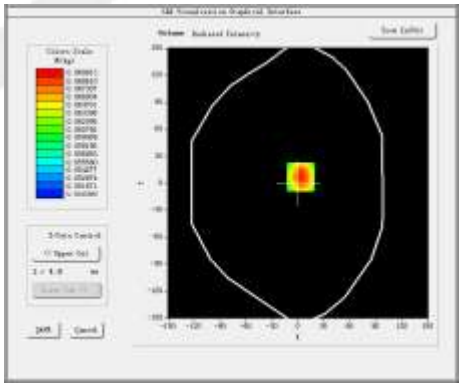
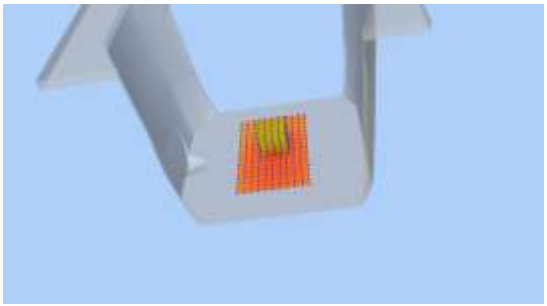
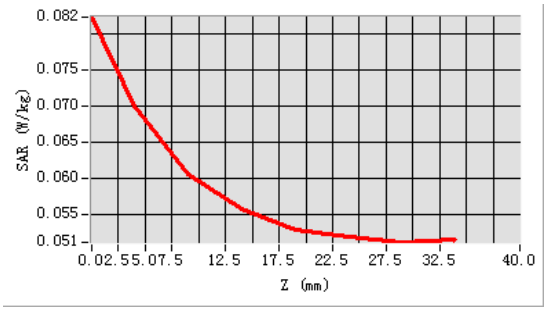
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 91: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Probe	SN 17/14 EP221
ConvF	4.25
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body lift side
Band	IEEE 802.11g ISM
Channels	Low
Signal	IEEE802.g (Crest factor: 1.0)
Frequency (MHz)	2412
Relative permittivity (real part)	39.23
Conductivity (S/m)	1.79
Variation (%)	0.96

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

SAR 10g (W/Kg)	0.050046
SAR 1g (W/Kg)	0.069142

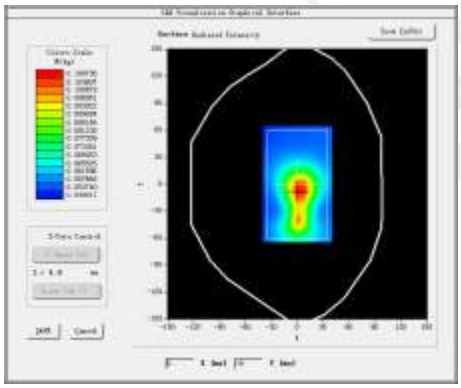
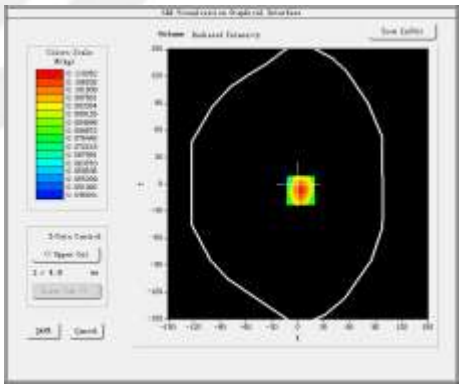
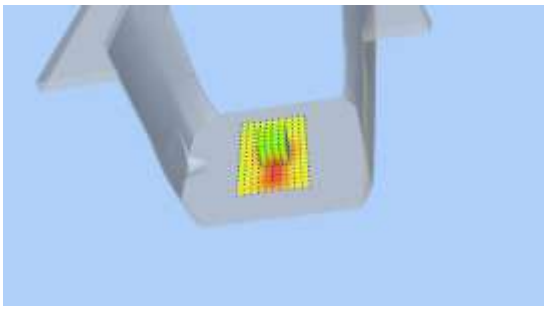
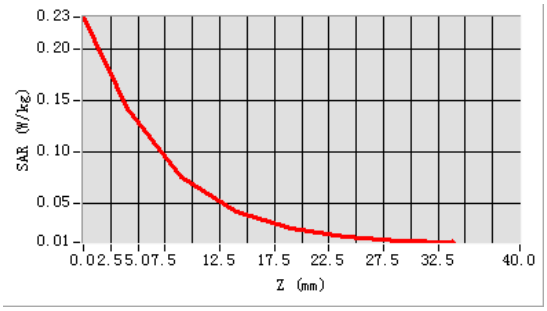
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 92: DUT: LTE/WCDMA/GSM MOBILE PHONE; EUT Model: RAKKAUS

Test Data	2015-09-18
Probe	SN 17/14 EP221
ConvF	4.25
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body top side
Band	IEEE 802.11g ISM
Channels	Low
Signal	IEEE802.g (Crest factor: 1.0)
Frequency (MHz)	2412
Relative permittivity (real part)	39.23
Conductivity (S/m)	1.79
Variation (%)	-0.69

Maximum location: X=7.00, Y=7.00
SAR Peak: 0.23 W/kg

SAR 10g (W/Kg)	0.066612
SAR 1g (W/Kg)	0.131886

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

Appendix C. Probe Calibration And Dipole Calibration Report

Refer the appendix Calibration Report.

※※※※※END OF THE REPORT※※※※※