SAR Test Report

Report No.: AGC00653150905FH01

FCC ID	:	2AFD9UNIVERSAL
APPLICATION PURPOSE	:	Original Equipment
PRODUCT DESIGNATION	:	Tablet PC
BRAND NAME	:	KRONO
MODEL NAME	:	UNIVERSAL
CLIENT	:	MOVEON TECHNOLOGY LIMITED
DATE OF ISSUE	:	Nov. 04,2015
STANDARD(S)	:	IEEE Std. 1528:2013 FCC 47CFR § 2.1093 IEEE/ANSI C95.1:1992
REPORT VERSION	:	V1.0

*A*ttestation of Global Compliance(Shenzhen) Co., Ltd.

Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Nov. 04,2015	Valid	Original Report

Test Report Certification

Applicant Name	MOVEON TECHNOLOGY LIMITED
Applicant Address	World Trade Plaza-A block#3201-3202 Fuhong Road, Futian
Manufacturer Name	MOVEON TECHNOLOGY LIMITED.
Manufacturer Address	World Trade Plaza-A block#3201-3202 Fuhong Road, Futian
Product Designation	Tablet PC
Brand Name	KRONO
Model Name	UNIVERSAL
Different Description	N/A
EUT Voltage	DC3.7V by battery
Applicable Standard	IEEE Std. 1528:2013 FCC 47CFR § 2.1093 IEEE/ANSI C95.1:1992
Test Date	Oct. 22,2015 to Nov. 02,2015
Performed Location	Attestation of Global Compliance(Shenzhen) Co., Ltd. 2 F, Building 2, No.1-No.4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang Street, Bao'an District, Shenzhen, China
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1. SUMMARY OF MAXIMUM SAR VALUE

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

Frequency Band	Highest Reported 1g-SAR(W/Kg)	
	Head	Body-worn(with 10mm separation)
GSM 850	0.053	0.879
PCS 1900	0.086	0.493
UMTS Band II	0.154	1.152
UMTS Band V	0.061	0.625
LTE Band IV	0.399	0.955
LTE Band VII	0.110	1.099
WIFI 2.4G	0.214	0.415
Simultaneous Reported SAR	1.567	

This device is compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6W/Kg) specified in IEEE Std. 1528:2013; FCC 47CFR § 2.1093; IEEE/ANSI C95.1:1992 and the following specific FCC Test Procedures:

- KDB 447498 D01 General RF Exposure Guidance v06
- KDB 648474 D04 Handset SAR v01r03
- KDB 865664 D01 SAR measurement 100 MHz to 6 GHz v01r04
- KDB 941225 D01 3G SAR Procedures v03r01
- KDB 248227 D01 802.11 Wi-Fi SAR v02r02
- KDB 941225 D05 SAR for LTE Devices v02r04
- KDB 616217 D04 SAR for laptop and tablets v01r02

2. GENERAL INFORMATION

2.1. EUT Description

General Information	
Product Designation	Tablet PC
Test Model	UNIVERSAL
Hardware Version	W706BF_V2
Software Version	Android 5.1
Device Category	Portable
RF Exposure Environment	Uncontrolled
Antenna Type	Internal
GSM and GPRS&EGPRS	
Support Band	☒GSM 850 ☒PCS 1900 ☒GSM 900 ☒DCS 1800
GPRS &EGPRS Type	Class B
GPRS &EGPRS Class	Class 12(1Tx+4Rx, 2Tx+3Rx, 3Tx+2Rx, 4Tx+1Rx)
TX Frequency Range	GSM 850 : 820~850MHz; PCS 1900: 1850~1910MHz;
RX Frequency Range	GSM 850 : 869~894MHz; PCS 1900: 1930~1990MHz;
Release Version	R99
Type of modulation	GMSK for GSM/GPRS, GMSK&8-PSK for EGPRS
Antenna Gain	-1.0dBi
Max. Average Power (Max. Peak Power)	GSM850: 31.12dBm(32.52dBm); PCS1900: 28.21dBm(29.54dBm)
WCDMA	
Support Band	☒UMTS FDD Band II ☒UMTS FDD Band V ☐UMTS FDD Band IV ☒UMTS FDD Band I ☐UMTS FDD Band III ☐UMTS FDD Band VIII
HS Type	HSPA(HSUPA/HSDPA)
TX Frequency Range	WCDMA FDD Band II: 1850 -1910MHz; WCDMA FDD Band V: 820-850MHz
RX Frequency Range	WCDMA FDD Band II: 1930-1990MHz WCDMA FDD Band V: 869-894MHz
Release Version	Rel-6
Type of modulation	HSDPA:QPSK/16QAM; HSUPA:BPSK; WCDMA:QPSK
Antenna Gain	-1.0dBi
Max. Average Power (Max. Peak Power)	Band II: 21.41dBm (23.48dBm); Band V: 21.31dBm (23.51dBm)

EUT Description(Continue)

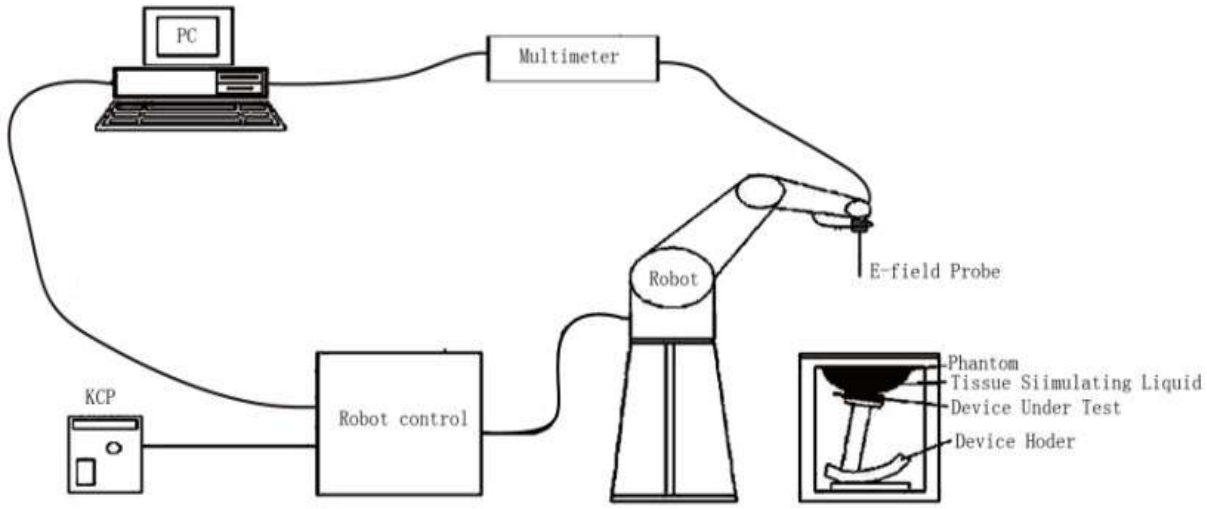
LTE	
Support Band	☒Band IV 1700MHz ☒Band VII2600MHz
TX Frequency Range	Band IV: 1710-1755 MHz; Band VII:2500-2570 MHz;
RX Frequency Range	Band IV: 2110-2155 MHz; Band VII:2620-2690 MHz;
Release Version	Rel-8
Type of modulation	QPSK, 16QAM
Antenna Gain	-0.7dBi(LTE Band IV), -1.0dBi(LTE Band VII)
Max. Average Power (Max. Peak Power)	Band IV: 23.53dBm;Band VII: 21.75dBm
Bluetooth	
Bluetooth Version	☐V2.0 ☐V2.1 ☒V2.1+EDR ☐V3.0 ☐V3.0+HS ☒V4.0
Operation Frequency	2402~2480MHz
Type of modulation	☒GFSK ☒∏/4-DQPSK ☒8-DPSK
Avg. Burst Power	2.65dBm
Antenna Gain	0.8dBi
WIFI	
WIFI Specification	☐802.11a ☒802.11b ☒802.11g ☒802.11n(20) ☒802.11n(40)
Operation Frequency	2412~2462MHz
Avg. Burst Power	11b:10.84dBm,11g:9.73dBm,11n(20):9.32dBm,11n(40):7.43dBm
Antenna Gain	0.8dBi
Accessories	
Battery	Brand name: SJY Model No. : 356593 Voltage and Capacitance: 3.7 V & 3000mAh
Adapter	Brand name: N/O Model No. : DM050200-5V Input: AC 100-240V, 50/60Hz, 0.5A Output: DC 5V, 2000mA
Earphone	Brand name: N/A Model No. : N/A

Note: CMU200 can measure the average power and Peak power at the same time

Product	Type
	☒ Production unit ☐ Identical Prototype

3. SAR MEASUREMENT SYSTEM

3.1. The SATIMO system used for performing compliance tests consists of following items



The COMOSAR system for performing compliance tests consists of the following items:

- The PC. It controls most of the bench devices and stores measurement data.A computer running WinXP and the Opensar software.
- The E-Field probe. The probe is a 3-axis system made of 3 distinct dipoles. Each dipole returns a voltage in function of the ambient electric field.
- The Keithley multimeter measures each probe dipole voltages.
- The SAM phantom simulates a human head. The measurement of the electric field is made inside the phantom.
- The liquids simulate the dielectric properties of the human head tissues.
- The network emulator controls the mobile phone under test.
- The validation dipoles are used to measure a reference SAR. They are used to periodically check the bench to make sure that there is no drift of the system characteristics over time.
- The phantom, the device holder and other accessories according to the targeted measurement.

3.2. COMOSAR E-Field Probe

The SAR measurement is conducted with the dosimetric probe manufactured by SATIMO. The probe is specially designed and calibrated for use in liquid with high permittivity. The dosimetric probe has special calibration in liquid at different frequency. SATIMO conducts the probe calibration in compliance with international and national standards (e.g. IEEE 1528 and relevant KDB files.) The calibration data are in Appendix D.

Isotropic E-Field Probe Specification

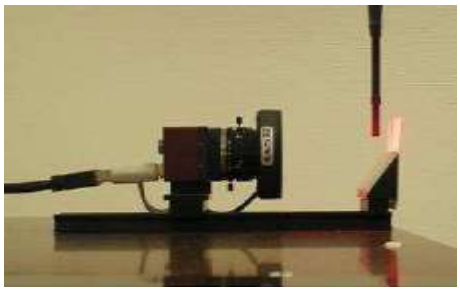
Model	SSE5	
Manufacture	MVG	
Identification No.	SN 19/15 EP254	
Frequency	0.3GHz-3GHz Linearity:±0.12dB(300MHz-3GHz)	
Dynamic Range	0.01W/Kg-100W/Kg Linearity:±0.12dB	
Dimensions	Overall length:330mm Length of individual dipoles:4.5mm Maximum external diameter:8mm Probe Tip external diameter:5mm Distance between dipoles/ probe extremity:2.7mm	
Application	High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields). Only probe which enables compliance testing for frequencies up to 3 GHz with precision of better 30%.	

3.3. Robot

The COMOSAR system uses the KUKA robot from SATIMO SA (France).For the 6-axis controller COMOSAR system, the KUKA robot controller version from SATIMO is used. The XL robot series have many features that are important for our application: □ High precision (repeatability 0.02 mm) □ High reliability (industrial design) □ Jerk-free straight movements □ Low ELF interference (the closed metallic construction shields against motor control fields) □ 6-axis controller	

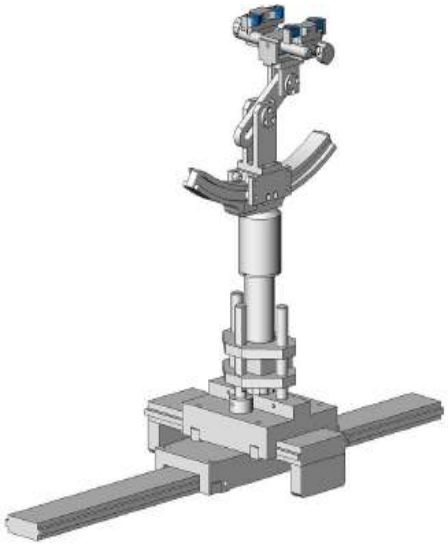
3.4. Video Positioning System

The video positioning system is used in OpenSAR to check the probe. Which is composed of a camera, LED, mirror and mechanical parts.The camera is piloted by the main computer with firewire link.
During the process, the actual position of the probe tip with respect to the robot arm is measured, as well as the probe length and the horizontal probe offset. The software then corrects all movements, such that the robot coordinates are valid for the probe tip.
The repeatability of this process is better than 0.1 mm. If a position has been taught with an aligned probe, the same position will be reached with another aligned probe within 0.1 mm, even if the other probe has different dimensions. During probe rotations, the probe tip will keep its actual position.



3.5. Device Holder

The COMOSAR device holder is designed to cope with different positions given in the standard. It has two scales for the device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear reference points). The rotation center for both scales is the ear reference point (EPR).
Thus the device needs no repositioning when changing the angles.
The COMOSAR device holder has been made out of low-loss POM material having the following dielectric parameters: relative permittivity εr =3 and loss tangent δ = 0.02. The amount of dielectric material has been reduced in the closest vicinity of the device, since measurements have suggested that the influence of the clamp on the test results could thus be lowered.



3.6. SAM Twin Phantom

The SAM twin phantom is a fiberglass shell phantom with 2mm shell thickness (except the ear region where shell thickness increases to 6mm). It has three measurement areas: □ Left head □ Right head □ Flat phantom	

The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. A white cover is provided to tap the phantom during off-periods to prevent water evaporation and changes in the liquid parameters. On the phantom top, three reference markers are provided to identify the phantom position with respect to the robot.

4. SAR MEASUREMENT PROCEDURE

4.1. Specific Absorption Rate (SAR)

SAR is related to the rate at which energy is absorbed per unit mass in 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 occupational/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 given mass 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 can be obtained using either of the following equations:

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

$$SAR = c_h \left.\frac{dT}{dt}\right|_{t=0}$$

Where

SAR	is the specific absorption rate in watts per kilogram;
E	is the r.m.s. value of the electric field strength in the tissue in volts per meter;
σ	is the conductivity of the tissue in siemens per metre;
ρ	is the density of the tissue in kilograms per cubic metre;
c_h	is the heat capacity of the tissue in joules per kilogram and Kelvin;
$\frac{dT}{dt} \mid t = 0$	is the initial time derivative of temperature in the tissue in kelvins per second

4.2. SAR Measurement Procedure

Step 1: Power Reference Measurement

The Power Reference Measurement and Power Drift Measurement are for monitoring the power drift of the device under test in the batch process. The minimum distance of probe sensors to surface is 2.7mm This distance cannot be smaller than the distance os sensor calibration points to probe tip as `defined in the probe properties,

Step 2: Area Scan

The Area Scan is used as a fast scan in two dimensions to find the area of high field values, before doing a fine measurement around the hot spot. The sophisticated interpolation routines implemented in SATIMO software can find the maximum locations even in relatively coarse grids. When an Area Scan has measured all reachable points, it computes the field maximal found in the scanned area, within a range of the global maximum. The range (in db) is specified in the standards for compliance testing. For example, a 2db range is required in IEEE Standard 1528 and IEC62209 standards, whereby 3db is a requirement when compliance is assessed in accordance with the ARIB standard (Japan) If one Zoom Scan follows the Area Scan, then only the absolute maximum will be taken as reference. For cases where multiple maximum are detected, the number of Zoom Scan has to be increased accordingly.

Area Scan Parameters extracted from KDB 865664 D01 SAR Measurement 100MHz to 6GHz

	≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface	5 ± 1 mm	½·δ·ln(2) ± 0.5 mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location	30° ± 1°	20° ± 1°
Maximum area scan spatial resolution: Δx_{Area}, Δy_{Area}	≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3 – 4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm
	When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	

Step 3: Zoom Scan

Zoom Scan are used to assess the peak spatial SAR value within a cubic average volume containing 1g abd 10g of simulated tissue. The Zoom Scan measures points(refer to table below) within a cube whose base faces are centered on the maxima found in a preceding area scan job within the same procedure. When the measurement is done, the Zoom Scan evaluates the averaged SAR for 1g and 10g and displays these values next to the job's label.

Zoom Scan Parameters extracted from KDB865664 d01 SAR Measurement 100MHz to 6GHz

<table>
<tr><td colspan="3">Maximum zoom scan spatial resolution: Δx_{Zoom}, Δy_{Zoom}</td><td>≤ 2 GHz: ≤ 8 mm
2 – 3 GHz: ≤ 5 mm*</td><td>3 – 4 GHz: ≤ 5 mm*
4 – 6 GHz: ≤ 4 mm*</td></tr>
<tr><td rowspan="3">Maximum zoom scan spatial resolution, normal to phantom surface</td><td colspan="2">uniform grid: $\Delta z_{Zoom}(n)$</td><td>≤ 5 mm</td><td>3 – 4 GHz: ≤ 4 mm
4 – 5 GHz: ≤ 3 mm
5 – 6 GHz: ≤ 2 mm</td></tr>
<tr><td rowspan="2">graded grid</td><td>$\Delta z_{Zoom}(1)$: between 1st two points closest to phantom surface</td><td>≤ 4 mm</td><td>3 – 4 GHz: ≤ 3 mm
4 – 5 GHz: ≤ 2.5 mm
5 – 6 GHz: ≤ 2 mm</td></tr>
<tr><td>$\Delta z_{Zoom}(n>1)$: between subsequent points</td><td colspan="2">≤ 1.5·$\Delta z_{Zoom}(n-1)$</td></tr>
<tr><td>Minimum zoom scan volume</td><td colspan="2">x, y, z</td><td>≥ 30 mm</td><td>3 – 4 GHz: ≥ 28 mm
4 – 5 GHz: ≥ 25 mm
5 – 6 GHz: ≥ 22 mm</td></tr>
<tr><td colspan="5">Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.
* When zoom scan is required and the <u>reported</u> SAR from the area scan based 1-g SAR estimation procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.</td></tr>
</table>

Step 4: Power Drift Measurement

The Power Drift Measurement measures the field at the same location as the most recent power reference measurement within the same procedure, and with the same settings. The Power Drift Measurement gives the field difference in dB from the reading conducted within the same settings. This allows a user to monitor the power drift of the device under test within a batch process. The measurement procedure is the same as Step 1.

4.3. RF Exposure Conditions

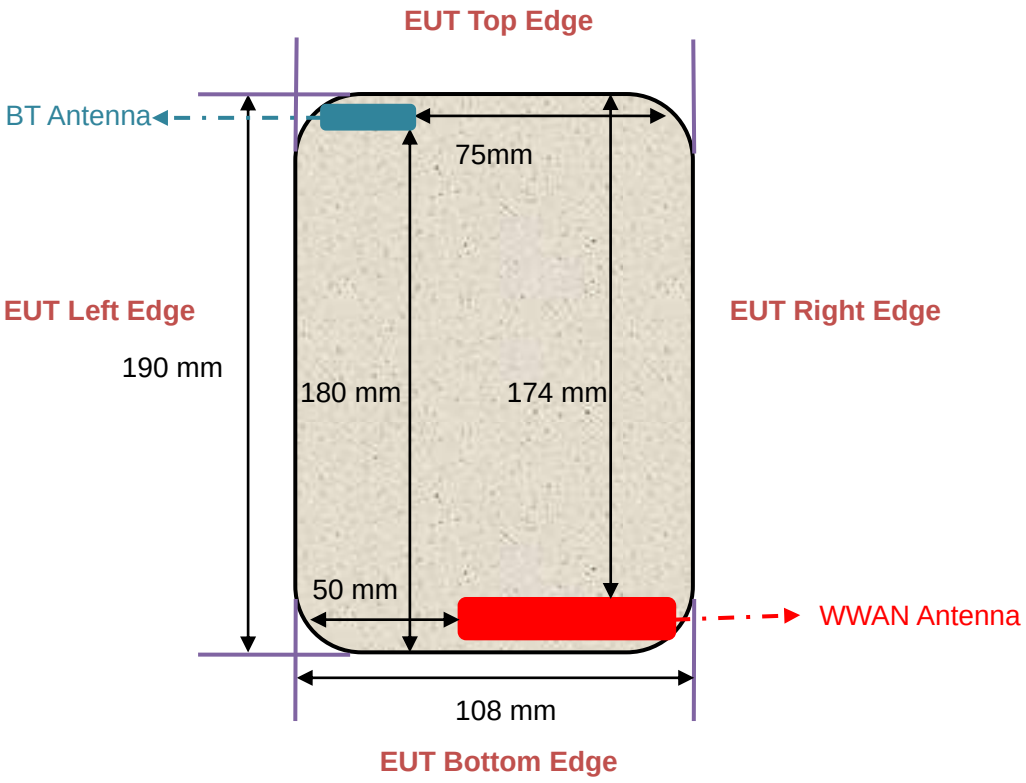
Test Configuration and setting:

The EUT is a model of GSM Portable Mobile Station (MS). It supports GSM/GPRS/EGPRS, WCDMA/HSPA, LTE, BT, WIFI, and support hotspot mode.

For WWAN SAR testing, the device was controlled by using a base station emulator. Communication between the device and the emulator were established by air link. The distance between the EUT and the antenna is larger than 50cm, and the output power radiated from the emulator antenna is at least 30db smaller than the output power of EUT.

For WLAN testing, the EUT is configured with the WLAN continuous TX tool through engineering command.

Antenna Location: (front view)



For WWAN mode:

Test Configurations	Antenna to edges/surface	SAR required	Note
Head			
Left Touch		Yes	
Left Tilt		Yes	
Right Touch		Yes	
Right Tilt		Yes	
Body			
Back	<25mm	Yes	
Front	<25mm	Yes	
Edge 1 (Top)	174	No	
Edge 2 (Right)	3	Yes	
Edge 3 (Bottom)	2	Yes	
Edge 4 (Left)	50	No	

For WLAN mode:

Test Configurations	Antenna to edges/surface	SAR required	Note
Head			
Left Touch		Yes	
Left Tilt		Yes	
Right Touch		Yes	
Right Tilt		Yes	
Body			
Back	<25mm	Yes	
Front	<25mm	Yes	
Edge 1 (Top)	2	Yes	
Edge 2 (Right)	75	No	
Edge 3 (Bottom)	180	No	
Edge 4 (Left)	3	Yes	

5. TISSUE SIMULATING LIQUID

For SAR measurement of the field distribution inside the phantom, the phantom must be filled with homogeneous tissue simulating liquid to a depth of at least 15cm. For head SAR testing the liquid height from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15cm For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15cm.The nominal dielectric values of the tissue simulating liquids in the phantom and the tolerance of 5% are listed in 4.2

5.1. The composition of the tissue simulating liquid

Ingredient	Water	Salt	Sugar	HEC	Preventol	DGBE	TWEEN	Triton X-100
835MHz Head	√	√	√	√	√	--	--	--
835MHz Body	√	√	√	√	√	--	--	--
1750MHz Head	√	√	--	--	--	√	--	--
1750MHz Body	√	√	--	--	--	√	--	--
1900MHz Head	√	√	--	--	--	√	--	--
1900MHz Body	√	√	√	√	√	--	--	--
2600MHz Head	√	√	--	--	--	√	--	--
2600MHz Body	√	√	--	--	--	√	--	--
2450MHz Head	√	√	--	--	--	--	--	--
2450MHz Body	√	√	--	--	--	√	--	--

5.2. Tissue Dielectric Parameters for Head and Body Phantoms

The head tissue dielectric parameters recommended by the IEEE 1528 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 IEEE 1528 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 IEEE 1528.

Target Frequency (MHz)	head		body	
	εr	σ (S/m)	εr	σ (S/m)
300	45.3	0.87	58.2	0.92
450	43.5	0.87	56.7	0.94
750	41.9	0.89	55.5	0.96
835	**41.5**	**0.90**	**55.2**	**0.97**
900	41.5	0.97	55.0	1.05
915	41.5	1.01	55.0	1.06
1450	40.5	1.20	54.0	1.30
1610	40.3	1.29	53.8	1.40
1800 – 2000	**40.0**	**1.40**	**53.3**	**1.52**
2450	39.2	1.80	52.7	1.95
3000	38.5	2.40	52.0	2.73

(εr = relative permittivity, σ = conductivity and ρ = 1000 kg/m3)

Target Frequency (MHz)	head		body	
	εr	σ (S/m)	εr	σ (S/m)
2600	39.00	1.96	52.5	2.16
1750	40.1	0.90	53.4	1.49

(εr = relative permittivity, σ = conductivity and ρ = 1000 kg/m3)

5.3. Tissue Calibration Result

The dielectric parameters of the liquids were verified prior to the SAR evaluation using SATIMO Dielectric Probe Kit and R&S Network Analyzer ZVL6.

Tissue Stimulant Measurement for 835MHz					
	Fr. (MHz)	Dielectric Parameters (±5%)		Tissue Temp [°C]	Test time
		εr 41.5 (39.425-43.575)	δ[s/m] 0.90(0.855-0.945)		
Head	824.2	42.87	0.86	22.3	Oct. 22,2015
	826.4	42.16	0.88		
	835	42.00	0.89		
	836.6	41.59	0.90		
	846.6	41.17	0.92		
	848.8	40.97	0.92		
Body	Fr. (MHz)	Dielectric Parameters (±5%)		Tissue Temp [°C]	Test time
		εr 55.20(52.44-57-96)	δ[s/m]0.97(0.9215-1.0185)		
	824.2	56.43	0.94	22.3	Oct. 22,2015
	826.4	56.07	0.94		
	835	55.71	0.96		
	836.6	55.19	0.97		
	846.6	54.57	0.98		
	848.8	53.83	0.99		

Tissue Stimulant Measurement for 1750MHz					
	Fr. (MHz)	Dielectric Parameters (±5%)		Tissue Temp [°C]	Test time
		εr 40.1 (38.095-42.105)	δ[s/m] 0.90(0.855-0.945)		
Head	1720	41.60	0.87	21.4	Oct. 31,2015
	1732.5	40.76	0.88		
	1745	40.03	0.90		
	1750	39.78	0.91		
Body	Fr. (MHz)	Dielectric Parameters (±5%)		Tissue Temp [°C]	Test time
		εr 53.4(50.73-56.07)	δ[s/m] 1.49(1.4155-1.5645)		
	1720	54.61	1.45	21.7	Oct. 31,2015
	1732.5	54.03	1.46		
	1745	53.86	1.50		
	1750	53.12	1.54		

Tissue Stimulant Measurement for 1900MHz					
Head	Fr. (MHz)	Dielectric Parameters (±5%)		Tissue Temp [°C]	Test time
		εr40.00(38.00-42.00)	δ[s/m]1.40(1.33-1.47)		
	1850.2	40.86	1.36	21.8	Oct. 26,2015
	1852.4	40.07	1.37		
	1880	39.90	1.40		
	1900	39.64	1.42		
	1907.6	39.52	1.43		
	1909.8	39.41	1.43		
Body	Fr. (MHz)	Dielectric Parameters (±5%)		Tissue Temp [°C]	Test time
		εr53.30(50.635-55.965)	δ[s/m]1.52(1.444-1.596)		
	1850.2	54.18	1.46	21.5	Oct. 26,2015
	1852.4	54.00	1.49		
	1880	53.69	1.52		
	1900	53.26	1.54		
	1907.6	52.47	1.55		
	1909.8	52.06	1.57		

Tissue Stimulant Measurement for 2600MHz					
Head	Fr. (MHz)	Dielectric Parameters (±5%)		Tissue Temp [°C]	Test time
		εr 39.0 37.05-40.95	δ[s/m] 1.96 1.86-2.06		
	2510	40.12	1.89	21.9	Oct. 29,2015
	2535	39.74	1.92		
	2560	38.78	1.97		
	2600	38.23	2.00		
Body	Fr. (MHz)	Dielectric Parameters (±5%)		Tissue Temp [°C]	Test time
		εr 52.5(49.875-55.125)	δ[s/m] 2.16(2.052-2.268)		
	2510	53.09	2.10	21.8	Oct. 29,2015
	2535	52.86	2.14		
	2560	52.13	2.15		
	2600	51.95	2.18		

Tissue Stimulant Measurement for 2450MHz					
Head	Fr. (MHz)	Dielectric Parameters (±5%)		Tissue Temp [°C]	Test time
		εr39.2(37.24-41.16)	δ[s/m]1.80(1.71-1.89)		
	2412	40.98	1.74	21.9	Nov. 02,2015
	2437	40.88	1.75		
	2450	40.84	1.77		
	2462	39.66	1.82		
Body	Fr. (MHz)	Dielectric Parameters (±5%)		Tissue Temp [°C]	Test time
		εr52.7(50.065-55.335)	δ[s/m]1.95(1.8525-2.0475)		
	2412	54.26	1.87	21.7	Nov. 02,2015
	2437	53.98	1.90		
	2450	53.47	1.91		
	2462	52.61	1.94		

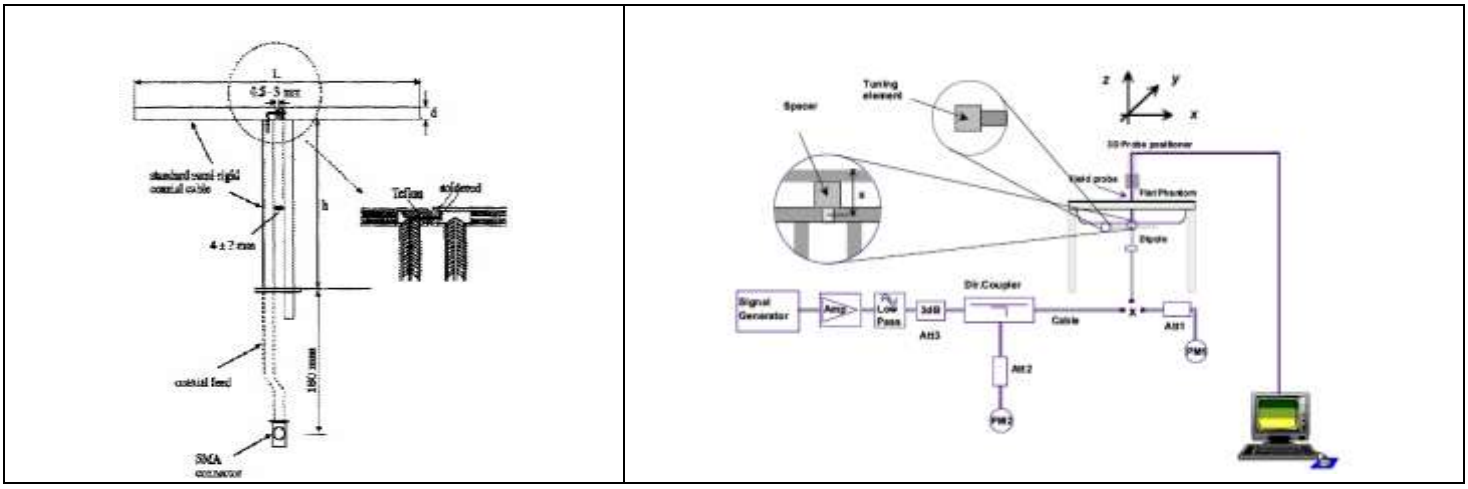
6. SAR SYSTEM CHECK PROCEDURE

6.1. SAR System Check Procedures

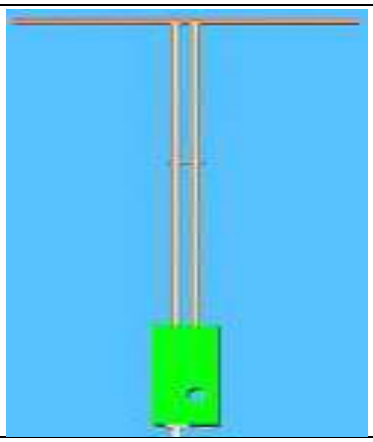
SAR system check is required to confirm measurement accuracy, according to the tissue dielectric media, probe calibration points and other system operating parameters required for measuring the SAR of a test device. The system verification must be performed for each frequency band and within the valid range of each probe calibration point required for testing the device. The same SAR probe(s) and tissue-equivalent media combinations used with each specific SAR system for system verification must be used for device testing. When multiple probe calibration points are required to cover substantially large transmission bands, independent system verifications are required for each probe calibration point. A system verification must be performed before each series of SAR measurements using the same probe calibration point and tissue-equivalent medium. Additional system verification should be considered according to the conditions of the tissue-equivalent medium and measured tissue dielectric parameters, typically every three to four days when the liquid parameters are remeasured or sooner when marginal liquid parameters are used at the beginning of a series of measurements.

Each SATIMO system is equipped with one or more system check kits. These units, together with the predefined measurement procedures within the SATIMO software, enable the user to conduct the system 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 check setup is shown as below.



6.2. SAR System Check
6.2.1. Dipoles

	The dipoles used is based on the IEEE-1528 standard, and is complied with mechanical and electrical specifications in line with the requirements of IEEE. the table below provides details for the mechanical and electrical Specifications for the dipoles.

Frequency	L (mm)	h (mm)	d (mm)
835MHz	161.0	89.8	3.6
1800MHz	71.6	41.7	3.6
1900MHz	68	39.5	3.6
2450MHz	51.5	30.4	3.6
2600MHz	48.5	28.8	3.6

6.2.2. System Check Result

System Performance Check at 835MHz &1750MHz &1900MHz &2450MHz &2600Mhz for Head								
Validation Kit: SN 46/11DIP 0G835-190 & SN 46/11DIP 1G800-186 & SN 46/11DIP 1G900-187 & SN 46/11DIP 2G450-189 &SN47/14 DIP 2G600-342								
Frequency [MHz]	Target Value(W/Kg)		Reference Result (± 10%)		Tested Value(W/Kg)		Tissue Temp. [°C]	Test time
	1g	10g	1g	10g	1g	10g		
835	9.60	6.20	8.64-10.56	5.58-6.82	10.060	6.402	22.3	Oct. 22,2015
1800	38.17	19.98	34.353-41.987	17.982-21.978	35.321	19.193	21.4	Oct. 31,2015
1900	39.65	20.24	35.685-43.615	18.216-22.264	42.823	21.396	21.8	Oct. 26,2015
2450	54.40	23.75	48.96-59.84	21.34-26.13	53.918	24.679	21.9	Nov. 02,2015
2600	55.48	24.49	49.932-61.028	22.041-26.939	51.025	25.280	21.9	Oct. 29,2015
System Performance Check at 835MHz &1750MHz &1900MHz &2450MHz &2600MHz for Body								
Frequency [MHz]	Target Value(W/Kg)		Reference Result (± 10%)		Tested Value(W/Kg)		Tissue Temp. [°C]	Test time
	1g	10g	1g	10g	1g	10g		
835	9.90	6.39	8.91-10.89	5.75-7.03	10.361	6.564	22.3	Oct. 22,2015
1800	38.28	20.89	34.452-42.108	18.801-22.979	38.569	21.044	21.7	Oct. 31,2015
1900	40.74	21.43	36.666-44.814	19.287-23.573	43.472	21.624	21.5	Oct. 26,2015
2450	54.19	24.96	48.77-59.61	22.46-27.46	57.771	26.439	21.7	Nov. 02,2015
2600	52.19	23.58	46.971-57.409	21.222-25.938	49.466	24.482	21.8	Oct. 29,2015

7. EUT TEST POSITION

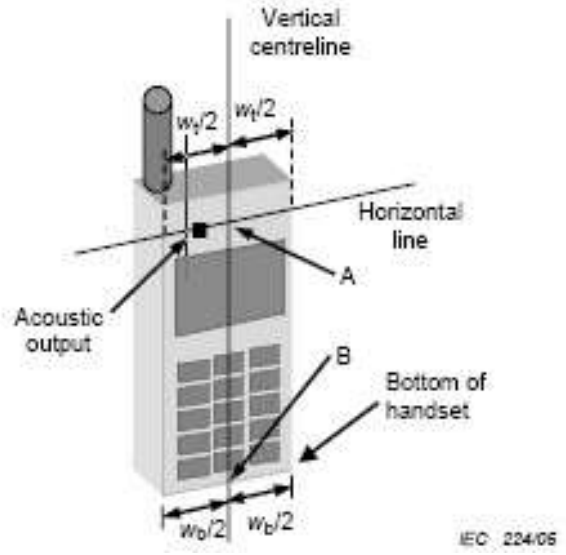
This EUT was tested in **Right Cheek, Right Titled, Left Cheek, Left Titled, Body back and Body front and 4 edges.**

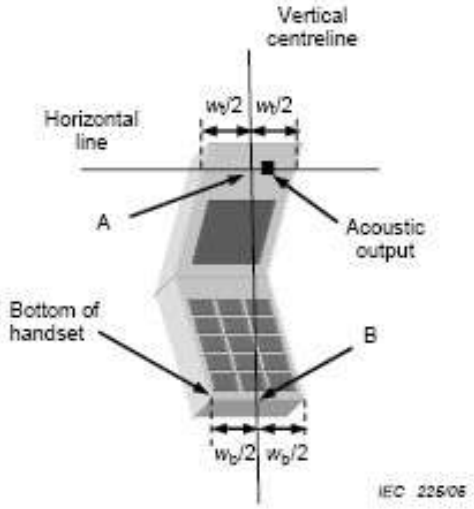
7.1. Define Two Imaginary Lines on the Handset

(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.





7.2. 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 picec 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

7.3. Title Position

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

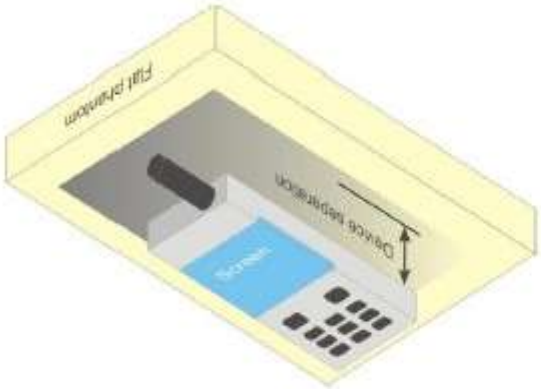
(2) While maintaining the device in the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until with the ear is lost.

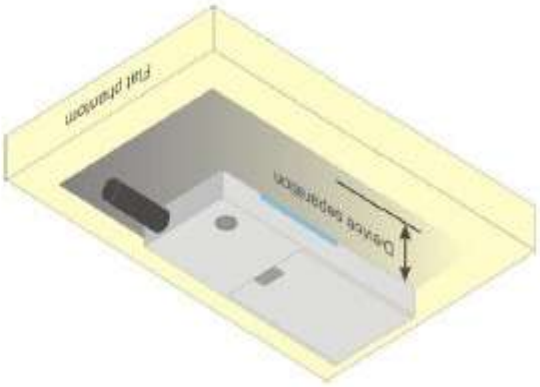
7.4. Body Worn Position

(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 **0mm.**





8. SAR EXPOSURE LIMITS

SAR assessments have been made in line with the requirements of IEEE-1528, and comply with ANSI/IEEE C95.1-1992 “Uncontrolled Environments” limits. These limits apply to a location which is deemed as “Uncontrolled Environment” which can be described as a situation where the general public may be exposed to an RF source with no prior knowledge or control over their exposure.

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

Type Exposure	Uncontrolled Environment Limit (W/kg)
Spatial Peak SAR (1g cube tissue for brain or body)	1.60
Spatial Average SAR (Whole body)	0.08
Spatial Peak SAR (Limbs)	4.0

9. TEST EQUIPMENT LIST

Equipment description	Manufacturer/ Model	Identification No.	Current calibration date	Next calibration date
SAR Probe	MVG	SN 19/15 EP254	07/10/2015	07/09/2016
TISSUE Probe	SATIMO	SN 45/11 OCPG45	12/03/2014	12/02/2015
Phantom	SATIMO	SN_4511_SAM90	Validated. No cal required.	Validated. No cal required.
Liquid	SATIMO	-	Validated. No cal required.	Validated. No cal required.
Comm Tester	R&S - CMU200	069Y7-158-13-712	03/06/2015	03/05/2016
Comm Tester	R&S- CMW500	S/N120909	10/19/2015	10/18/2016
Comm Tester	Agilent-8960	GB46310822	03/06/2015	03/05/2016
Multimeter	Keithley 2000	1188656	03/06/2015	03/05/2016
Dipole	SATIMO SID835	SN46/11 DIP 0G835-190	10/02/2014	10/01/2017
Dipole	SATIMO SID1800	SN46/11 DIP 1G800-186	11/14/2013	11/13/2016
Dipole	SATIMO SID1900	SN46/11 DIP 1G900-187	11/14/2013	11/13/2016
Dipole	SATIMO SID2450	SN46/11 DIP 2G450-189	11/14/2013	11/13/2016
Dipole	SATIMO SID2600	SN47/14 DIP 2G600-342	12/03/2014	12/03/2017
Signal Generator	Agilent-E4438C	MY44260051	03/06/2015	03/05/2016
Spectrum Analyzer E4440	Agilent	US41421290	07/23/2015	07/22/2016
Network Analyzer	Rhode & Schwarz ZVL6	SN100132	03/06/2015	03/05/2016
Attenuator	Warison /WATT-6SR1211	N/A	N/A	N/A
Attenuator	Mini-circuits / VAT-10+	N/A	N/A	N/A
Amplifier	EM30180	SN060552	03/06/2015	03/05/2016
Directional Couple	Werlatone/ C5571-10	SN99463	07/29/2015	07/28/2016
Directional Couple	Werlatone/ C6026-10	SN99482	07/29/2015	07/28/2016
Power Sensor	NRP-Z21	1137.6000.02	10/20/2015	10/19/2016
Power Sensor	NRP-Z23	US38261498	03/06/2015	03/05/2016
Power Viewer	R&S	V2.3.1.0	N/A	N/A

Note: Per KDB 865664 Dipole SAR Validation, AGC Lab has adopted 3 years calibration intervals. On annual basis, every measurement dipole has been evaluated and is in compliance with the following criteria:
1. There is no physical damage on the dipole;
2. System validation with specific dipole is within 10% of calibrated value;
3. Return-loss is within 20% of calibrated measurement;
4. Impedance is within 5Ω of calibrated measurement.

10. MEASUREMENT UNCERTAINTY

SATIMO Uncertainty Measurement uncertainty for 300 MHz to 3 GHz averaged over 1 gram / 10 gram.									
Uncertainty Component	Sec.	Tol (+- %)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (+-%)	10g Ui (+-%)	Vi
Measurement System									
Probe calibration	E.2.1	7.0	N	1	1	1	6.98	6.98	∞
Axial Isotropy	E.2.2	2.5	R	$\sqrt{3}$	1	1	1.16	1.16	∞
Hemispherical Isotropy	E.2.2	4.0	R	$\sqrt{3}$	1	1	2.33	2.33	∞
Boundary effect	E.2.3	1.0	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Linearity	E.2.4	5.0	R	$\sqrt{3}$	1	1	2.87	2.87	∞
System detection limits	E.2.5	1.0	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Readout Electronics	E.2.6	0.02	N	1	1	1	0.03	0.03	∞
Response Time	E.2.7	3.0	R	$\sqrt{3}$	1	1	1.70	1.70	∞
Integration Time	E.2.8	2.0	R	$\sqrt{3}$	1	1	1.16	1.16	∞
RF ambient Conditions	E.6.1	3.0	R	$\sqrt{3}$	1	1	1.71	1.71	∞
Probe positioner Mechanical Tolerance	E.6.2	2.0	R	$\sqrt{3}$	1	1	1.15	1.15	∞
Probe positioning with respect to Phantom Shell	E.6.3	0.05	R	$\sqrt{3}$	1	1	0.03	0.03	∞
Extrapolation, interpolation and integration Algoritms for Max. SAR Evaluation	E.5.2	5.0	R	$\sqrt{3}$	1	1	2.91	2.91	∞
Test sample Related									
Test sample positioning	E.4.2.1	0.03	N	1	1	1	0.05	0.05	N-1
Device Holder Uncertainty	E.4.1.1	5.00	N	1	1	1	4.95	4.95	∞
Output power Variation - SAR drift measurement	6.6.2	0.65	R	$\sqrt{3}$	1	1	0.36	0.36	∞
Phantom and Tissue Parameters									
Phantom Uncertainty (Shape and thickness tolerances)	E.3.1	0.05	R	$\sqrt{3}$	1	1	0.02	0.02	∞
Liquid conductivity deviation from target value	E.3.2	5.00	R	$\sqrt{3}$	0.64	0.43	1.83	1.23	∞
Liquid conductivity - measurement uncertainty	E.3.3	5.00	N	1	0.64	0.43	3.18	2.14	∞
Liquid permittivity - deviation from target value	E.3.2	0.03	R	$\sqrt{3}$	0.6	0.49	0.01	0.01	∞
Liquid permittivity - measurement uncertainty	E.3.3	10.00	N	1	0.6	0.49	6.06	4.95	M
Combined Standard Uncertainty			RSS				11.17	10.63	∞
Expanded Uncertainty (95% Confidence interval)			k				22.34	21.26	

SATIMO Uncertainty System uncertainty for 300 MHz to 3 GHz averaged over 1 gram / 10 gram.									
Uncertainty Component	Sec.	Tol (+- %)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (+-%)	10g Ui (+-%)	Vi
Measurement System									
Probe calibration	E.2.1	7.0	N	1	1	1	6.98	6.98	∞
Axial Isotropy	E.2.2	2.5	R	$\sqrt{3}$	1	1	1.16	1.16	∞
Hemispherical Isotropy	E.2.2	4.0	R	$\sqrt{3}$	1	1	2.33	2.33	∞
Boundary Effects	E.2.3	1.0	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Linearity	E.2.4	5.0	R	$\sqrt{3}$	1	1	2.87	2.87	∞
System detection limits	E.2.5	1.0	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Readout Electronics	E.2.6	0.02	N	1	1	1	0.03	0.03	∞
Response Time	E.2.7	3.0	R	$\sqrt{3}$	1	1	1.70	1.70	∞
Integration Time	E.2.8	2.0	R	$\sqrt{3}$	1	1	1.16	1.16	∞
RF ambient Conditions	E.6.1	3.0	R	$\sqrt{3}$	1	1	1.71	1.71	∞
Probe positioner Mechanical Tolerance	E.6.2	2.0	R	$\sqrt{3}$	1	1	1.15	1.15	∞
Probe positioning with respect to Phantom Shell	E.6.3	0.05	R	$\sqrt{3}$	1	1	0.03	0.03	∞
Extrapolation, interpolation and integration Algoritms for Max. SAR Evaluation	E.5.2	5.0	R	$\sqrt{3}$	1	1	2.91	2.91	∞
Dipole									
Dipole axis to liquid Distance	8,E.4.2	1.00	N	$\sqrt{3}$	1	1	0.55	0.55	N-1
Input power and SAR drift measurement	8,6.6.2	0.65	R	$\sqrt{3}$	1	1	0.36	0.36	∞
Phantom and Tissue Parameters									
Phantom Uncertainty (Shape and thickness tolerances)	E.3.1	0.05	R	$\sqrt{3}$	1	1	0.02	0.02	∞
Liquid conductivity - deviation from target value	E.3.2	5.00	R	$\sqrt{3}$	0.64	0.43	1.83	1.23	∞
Liquid conductivity - measurement uncertainty	E.3.3	5.00	N	1	0.64	0.43	3.18	2.14	∞
Liquid permittivity - deviation from target value	E.3.2	0.03	R	$\sqrt{3}$	0.6	0.49	0.01	0.01	∞
Liquid permittivity - measurement uncertainty	E.3.3	10.00	N	1	0.6	0.49	6.06	4.95	M
Combined Standard Uncertainty			RSS				10.03	9.42	
Expanded Uncertainty (95% Confidence interval)			k				20.05	18.85	

11. CONDUCTED POWER MEASUREMENT

GSM BAND

Mode	Frequency(MHz)	Avg. Burst Power(dBm)	Duty cycle Factor(dBm)	Frame Power(dBm)
Maximum Power <1>				
GSM 850	824.2	**31.12**	-9	22.12
	836.6	31.09	-9	22.09
	848.8	31.06	-9	22.06
GPRS 850 （1 Slot）	824.2	30.57	-9	21.57
	836.6	30.54	-9	21.54
	848.8	30.51	-9	21.51
GPRS 850 （2 Slot）	824.2	28.32	-6	22.32
	836.6	28.27	-6	22.27
	848.8	28.22	-6	22.22
GPRS850 （3 Slot）	824.2	26.29	-4.26	22.03
	836.6	26.24	-4.26	21.98
	848.8	26.18	-4.26	21.92
GPRS 850 （4 Slot）	824.2	25.26	-3	22.26
	836.6	25.24	-3	22.24
	848.8	25.21	-3	22.21
EGPRS 850 （1 Slot）	824.2	26.71	-9	17.71
	836.6	26.67	-9	17.67
	848.8	26.64	-9	17.64
EGPRS 850 （2 Slot）	824.2	22.15	-6	16.15
	836.6	22.12	-6	16.12
	848.8	22.11	-6	16.11
EGPRS 850 （3 Slot）	824.2	21.49	-4.26	17.23
	836.6	21.38	-4.26	17.12
	848.8	21.34	-4.26	17.08
EGPRS 850 （4 Slot）	824.2	20.32	-3	17.32
	836.6	20.25	-3	17.25
	848.8	20.21	-3	17.21

GSM BAND CONTINUE

Mode	Frequency(MHz)	Avg. Burst Power(dBm)	Duty cycle Factor(dBm)	Frame Power(dBm)
PCS1900	1850.2	**28.21**	-9	19.21
	1880	28.15	-9	19.15
	1909.8	28.12	-9	19.12
GPRS1900 （1 Slot）	1850.2	27.67	-9	18.67
	1880	27.62	-9	18.62
	1909.8	27.52	-9	18.52
GPRS1900 （2 Slot）	1850.2	25.33	-6	19.33
	1880	25.31	-6	19.31
	1909.8	25.28	-6	19.28
GPRS1900 （3 Slot）	1850.2	23.38	-4.26	19.12
	1880	23.27	-4.26	19.01
	1909.8	23.24	-4.26	18.98
GPRS1900 （4 Slot）	1850.2	22.31	-3	19.31
	1880	22.25	-3	19.25
	1909.8	22.22	-3	19.22
EGPRS1900 （1 Slot）	1850.2	25.26	-9	16.26
	1880	25.31	-9	16.31
	1909.8	25.37	-9	16.37
EGPRS1900 （2 Slot）	1850.2	22.72	-6	16.72
	1880	23.64	-6	17.64
	1909.8	22.75	-6	16.75
EGPRS1900 （3 Slot）	1850.2	22.42	-4.26	18.16
	1880	22.45	-4.26	18.19
	1909.8	22.51	-4.26	18.25
EGPRS1900 （4 Slot）	1850.2	20.02	-3	17.02
	1880	20.15	-3	17.15
	1909.8	20.16	-3	17.16
Maximum Power <2>				
GSM 850	836.6	30.89	-9	21.89
PCS1900	1880	27.95	-9	18.95

Note 1:
The Frame Power (Source-based time-averaged Power) is scaled the maximum burst average power based on time slots. The calculated methods are show as following:
Frame Power = Max burst power (1 Up Slot) – 9 dB
Frame Power = Max burst power (2 Up Slot) – 6 dB
Frame Power = Max burst power (3 Up Slot) – 4.26 dB
Frame Power = Max burst power (4 Up Slot) – 3 dB

HSDPA Setup Configuration:

The EUT was connected to Base Station Agilent E5515C referred to the Setup Configuration.
The RF path losses were compensated into the measurements.
A call was established between EUT and Based Station with following setting:
Set Gain Factors(βc and βd) parameters set according to each
Specific sub-test in the following table.C10.1.4.quoted from the TS34.121
Set RMC 12.2Kbps + HSDPA mode
Set Cell Power=-86dBm
Set HS-DSCH Configuration Type to FRC (H-set 1, QPSK)
Select HSDPA Uplink Parameters
Set Delta ACK, Delta NACK and Delta CQI=8
Set Ack-Nack Repetition Factor to 3
Set CQI Feedback Cycle (k) to 4ms
Set CQI Repetition Factor to 2
Power Ctrl Mode=All Up bits
The transmitted maximum output power was recorded.
Table C.10.2.4: β values for transmitter characteristics tests with HS-DPCCH

Sub-test	βc (Note5)	βd	βd (SF)	βc/βd	βHS (Note1, Note 2)	CM (dB) (Note 3)	MPR (dB) (Note 3)
1	2/15	15/15	64	2/15	4/15	0.0	0.0
2	12/15(Note 4)	15/15(Note 4)	64	12/15(Note 4)	24/15	1.0	0.0
3	15/15	8/15	64	15/8	30/15	1.5	0.5
4	15/15	4/15	64	15/4	30/15	1.5	0.5

Note 1: ΔACK, ΔNACK and ΔCQI = 30/15 with β_{hs} = 30/15 * β_c.
Note 2: For the HS-DPCCH power mask requirement test in clause 5.2C, 5.7A, and the Error Vector Magnitude (EVM) with HS-DPCCH test in clause 5.13.1A, and HSDPA EVM with phase discontinuity in clause 5.13.1AA, ΔACK and ΔNACK = 30/15 with β_{hs} = 30/15 * β_c, and ΔCQI = 24/15 with β_{hs} = 24/15 * β_c.
Note 3: CM = 1 for βc/βd =12/15, hs/ c=24/15. For all other combinations of DPDCH, DPCCH and HS-DPCCH the MPR is based on the relative CM difference. This is applicable for only UEs that support HSDPA in release 6 and later releases.
Note 4: For subtest 2 the c/ d ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to c = 11/15 and d = 15/15.

HSUPA Setup Configuration:

a. The EUT was connected to Base Station Agilent E5515C referred to the Setup Configuration.
b. The RF path losses were compensated into the measurements.
c. A call was established between EUT and Base Station with following setting * :
i. Call Configs = 5.2B, 5.9B, 5.10B, and 5.13.2B with QPSK
ii. Set the Gain Factors (βc and βd) and parameters (AG Index) were set according to each specific sub-test in the following table, C11.1.3, quoted from the TS 34.121
iii. Set Cell Power = -86 dBm
iv. Set Channel Type = 12.2k + HSPA
v. Set UE Target Power
vi. Power Ctrl Mode= Alternating bits
vii. Set and observe the E-TFCI
viii. Confirm that E-TFCI is equal to the target E-TFCI of 75 for sub-test 1, and other subtest's E-TFCI
d. The transmitted maximum output power was recorded.

Table C.11.1.3: β values for transmitter characteristics tests with HS-DPCCH and E-DCH

Sub-test	βc	βd	βd (SF)	βc/βd	βHS (Note1)	βec	βed (Note 4) (Note 5)	βed (SF)	βed (Codes)	CM (dB) (Note 2)	MPR (dB) (Note 2) (Note 6)	AG Index (Note 5)	E-TFCI
1	11/15 (Note 3)	15/15 (Note 3)	64	11/15 (Note 3)	22/15	209/225	1309/225	4	1	1.0	0.0	20	75
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67
3	15/15	9/15	64	15/9	30/15	30/15	βed1: 47/15 βed2: 47/15	4 4	2	2.0	1.0	15	92
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71
5	15/15	0	-	-	5/15	5/15	47/15	4	1	1.0	0.0	12	67

Note 1: For sub-test 1 to 4, ΔACK, ΔNACK and ΔCQI = 30/15 with β_{hs} = 30/15 * β_c . For sub-test 5, ΔACK, ΔNACK and ΔCQI = 5/15 with β_{hs} = 5/15 * β_c .

Note 2: CM = 1 for βc/βd =12/15, hs/ c=24/15. For all other combinations of DPDCH, DPCCH, HS- DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference.

Note 3: For subtest 1 the c/ d ratio of 11/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to c = 10/15 and d = 15/15.

Note 4: In case of testing by UE using E-DPDCH Physical Layer category 1, Sub-test 3 is omitted according to TS25.306 Table 5.1g.

Note 5: βed can not be set directly; it is set by Absolute Grant Value.

Note 6: For subtests 2, 3 and 4, UE may perform E-DPDCH power scaling at max power which could results in slightly smaller MPR values.

UMTS BAND II

Mode	Frequency (MHz)	Avg. Burst Power (dBm)
WCDMA 1900 RMC	1852.4	**21.41**
	1880	21.38
	1907.6	21.32
WCDMA 1900 AMR	1852.4	21.21
	1880	21.18
	1907.6	21.15
HSDPA Subtest 1	1852.4	20.21
	1880	20.18
	1907.6	20.15
HSDPA Subtest 2	1852.4	20.32
	1880	20.31
	1907.6	20.25
HSDPA Subtest 3	1852.4	20.37
	1880	20.33
	1907.6	20.31
HSDPA Subtest 4	1852.4	20.25
	1880	20.21
	1907.6	20.27
HSUPA Subtest 1	1852.4	20.26
	1880	20.19
	1907.6	20.21
HSUPA Subtest 2	1852.4	20.22
	1880	20.32
	1907.6	20.27
HSUPA Subtest 3	1852.4	20.31
	1880	20.26
	1907.6	20.31
HSUPA Subtest 4	1852.4	20.35
	1880	20.32
	1907.6	20.26
HSUPA Subtest 5	1852.4	20.32
	1880	20.39
	1907.6	20.27

UMTS BAND V

Mode	Frequency (MHz)	Avg. Burst Power (dBm)
WCDMA 850 RMC	826.4	**21.31**
	836.6	21.28
	846.6	21.21
WCDMA 850 AMR	826.4	21.15
	836.6	21.12
	846.6	21.17
HSDPA Subtest 1	826.4	20.28
	836.6	20.23
	846.6	20.21
HSDPA Subtest 2	826.4	20.28
	836.6	20.21
	846.6	20.25
HSDPA Subtest 3	826.4	20.31
	836.6	20.26
	846.6	20.21
HSDPA Subtest 4	826.4	20.32
	836.6	20.25
	846.6	20.21
HSUPA Subtest 1	826.4	20.27
	836.6	20.24
	846.6	20.19
HSUPA Subtest 2	826.4	20.25
	836.6	20.23
	846.6	20.19
HSUPA Subtest 3	826.4	20.27
	836.6	20.23
	846.6	20.18
HSUPA Subtest 4	826.4	20.32
	836.6	20.28
	846.6	20.24
HSUPA Subtest 5	826.4	20.31
	836.6	20.29
	846.6	20.25

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

Table 6.1aA: 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 β_c/β_d=12/15, β_{hs}/β_c=24/15.For all other combinations of DPDCH, DPCCH, HS-DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference.		

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

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

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

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

LTE BAND

Conducted Power of LTE Band IV(dBm)							
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					19975	**20175**	**20393**
1.4MHz	QPSK	1	0	0	22.86	23.04	23.40
			12	0	22.93	23.12	23.44
			24	0	22.84	23.09	23.43
		12	0	1	22.92	23.12	23.47
			6	1	22.88	23.08	23.47
			13	1	22.91	23.12	23.44
		25	0	1	21.87	22.08	22.40
	16QAM	1	0	1	22.12	22.42	22.63
			12	1	22.27	22.52	22.78
			24	1	22.11	22.48	22.66
		12	0	2	22.08	22.08	22.49
			6	2	22.03	22.09	22.46
			13	2	22.02	22.14	22.46
		25	0	2	20.90	21.02	21.53
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					19965	**20175**	**20385**
3MHz	QPSK	1	0	0	22.82	22.89	23.32
			24	0	22.90	23.09	23.45
			49	0	22.75	23.07	23.39
		25	0	1	21.87	22.05	22.39
			12	1	21.86	22.10	22.41
			25	1	21.82	22.11	22.45
		50	0	1	21.85	22.04	22.41
	16QAM	1	0	1	22.11	22.15	22.71
			24	1	22.22	22.40	22.82
			49	1	22.02	22.34	22.75
		25	0	2	21.00	21.08	21.37
			12	2	21.01	21.13	21.38
			25	2	20.99	21.14	21.41
		50	0	2	20.95	21.03	21.37

Conducted Power of LTE Band IV(dBm)							
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					19975	**20175**	**20375**
5MHz	QPSK	1	0	0	22.94	22.90	23.38
			12	0	22.88	23.15	23.47
			24	0	22.69	23.17	23.47
		12	0	1	21.92	22.03	22.39
			6	1	21.85	22.08	22.42
			13	1	21.80	22.16	22.44
		25	0	1	21.80	22.05	22.38
	16QAM	1	0	1	22.34	22.33	22.40
			12	1	22.26	22.56	22.51
			24	1	22.09	22.53	22.46
		12	0	2	21.15	21.16	21.43
			6	2	21.10	21.25	21.41
			13	2	21.04	21.32	21.47
		25	0	2	20.94	21.10	21.40
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					20000	**20175**	**20350**
10MHz	QPSK	1	0	0	22.92	22.73	23.36
			24	0	22.70	23.08	23.30
			49	0	22.39	23.27	23.43
		25	0	1	21.79	21.88	22.33
			12	1	21.66	22.05	22.32
			25	1	21.49	22.18	22.40
		50	0	1	21.65	22.04	22.33
	16QAM	1	0	1	22.17	22.02	22.77
			24	1	21.94	22.34	22.74
			49	1	21.68	22.54	22.82
		25	0	2	20.88	20.92	21.36
			12	2	20.76	21.06	21.35
			25	2	20.62	21.18	21.40
		50	0	2	20.75	21.05	21.37

Conducted Power of LTE Band IV(dBm)							
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					20025	**20175**	**20325**
15MHz	QPSK	1	0	0	22.90	22.61	23.37
			37	0	22.58	23.20	23.39
			74	0	22.48	23.35	23.42
		37	0	1	21.77	21.87	22.43
			19	1	21.54	22.09	22.39
			38	1	21.43	22.28	22.43
		75	0	1	21.60	22.09	22.42
	16QAM	1	0	1	22.17	21.92	22.67
			37	1	21.90	22.44	22.67
			74	1	21.76	22.63	22.72
		37	0	2	20.81	20.91	21.42
			19	2	20.60	21.06	21.41
			38	2	20.48	21.27	21.42
		75	0	2	20.65	21.09	21.41
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					20050	**20175**	**20300**
20MHz	QPSK	1	0	0	22.99	22.58	23.38
			49	0	22.49	23.14	23.41
			99	0	22.95	**23.53**	23.53
		50	0	1	21.62	21.76	22.37
			25	1	21.45	22.05	22.36
			50	1	21.55	22.29	22.40
		100	0	1	21.58	22.03	22.37
	16QAM	1	0	1	22.18	21.77	22.71
			49	1	21.67	22.36	22.81
			99	1	22.13	22.71	22.88
		50	0	2	20.72	20.84	21.40
			25	2	20.52	21.03	21.41
			50	2	20.62	21.26	21.44
		100	0	2	20.64	21.03	21.39

Conducted Power of LTE Band VII(dBm)							
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					20775	**21100**	**21425**
5MHz	QPSK	1	0	0	21.71	21.78	21.74
			12	0	21.62	21.68	21.65
			24	0	21.59	21.61	21.56
		12	0	1	20.71	20.77	20.74
			6	1	20.66	20.42	20.69
			13	1	20.65	20.67	20.61
		25	0	1	20.62	20.64	20.65
	16QAM	1	0	1	21.85	21.63	21.73
			12	1	21.66	21.68	21.67
			24	1	21.53	21.54	21.53
		12	0	2	20.49	20.72	20.75
			6	2	20.46	20.63	20.64
			13	2	20.62	20.69	20.62
		25	0	2	20.67	20.57	20.69
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					20800	**21100**	**21400**
10MHz	QPSK	1	0	0	21.60	21.64	21.63
			24	0	21.49	21.47	21.41
			49	0	21.41	21.44	21.43
		25	0	1	20.54	20.58	20.57
			12	1	20.49	20.51	20.45
			25	1	20.47	20.43	20.45
		50	0	1	20.50	20.56	20.53
	16QAM	1	0	1	21.63	21.63	21.62
			24	1	21.42	21.47	21.42
			49	1	21.45	21.43	21.44
		25	0	2	20.58	20.58	20.58
			12	2	20.46	20.46	20.46
			25	2	20.48	20.42	20.43
		50	0	2	20.52	20.51	20.53

Conducted Power of LTE Band VII(dBm)							
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					20825	**21100**	**21375**
15MHz	QPSK	1	0	0	21.62	21.73	21.71
			37	0	21.50	21.63	21.56
			74	0	21.46	21.49	21.72
		37	0	1	20.69	20.46	20.71
			19	1	20.58	20.53	20.53
			38	1	20.55	20.66	20.59
		75	0	1	20.64	20.67	20.66
	16QAM	1	0	1	21.69	21.58	21.68
			37	1	21.62	21.54	21.54
			74	1	21.51	21.53	21.42
		37	0	2	20.64	20.62	20.51
			19	2	20.47	20.52	20.54
			38	2	20.52	20.59	20.59
		75	0	2	20.68	20.68	20.66
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					20850	**21100**	**21350**
20MHz	QPSK	1	0	0	**21.75**	21.72	21.64
			49	0	21.50	21.59	21.54
			99	0	21.01	21.14	21.12
		50	0	1	20.54	20.47	20.62
			25	1	20.46	20.42	20.71
			50	1	21.68	21.64	21.49
		100	0	1	21.53	21.59	21.42
	16QAM	1	0	1	21.64	21.62	21.79
			49	1	21.58	21.55	21.63
			99	1	21.12	21.12	21.21
		50	0	2	20.57	20.63	20.71
			25	2	20.41	20.49	20.56
			50	2	21.64	21.62	21.48
		100	0	2	21.47	21.48	21.37

The following tests were conducted according to the test requirements outlined in section 6.2 of the 3GPP TS36.101 specification.
UE Power Class: 3 (23 +/- 2dBm). The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3.3-1 of the 3GPP TS36.101.

Table 6.2.3.3-1 Maximum Power Reduction (MPR) for Power class3

Modulation	Maximum Power Reduction (MPR) for Power[RB]						MPR(dB)
	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz	
QPSK	＞5	＞4	＞8	＞12	＞16	＞18	≤1
16QAM	≤5	≤4	≤8	≤12	≤16	≤18	≤1
16QAM	＞5	＞4	＞8	＞12	＞16	＞18	≤2

The allowed A-MPR values specified below in Table 6.2.4.3-1 of 3GPP TS36.101 are in addition to the allowed MPR requirements. All the measurements below were performed with A-MPR disabled, by using Network Signaling Value of “NS_01”.3

Table 6.2.4.3-1: Additional Maximum Power Reduction (A-MPR) / Spectrum Emission requirements

Network Signaling value	Requirements (sub-clause)	E-UTRA Band	Channel bandwidth (MHz)	Resources Blocks (N_{RB})	A-MPR (dB)
NS_01	6.6.2.1.1	Table 5.2-1	1.4,3,5,10,15,20	Table 5.4.2-1	N/A
NS_03	6.6.2.2.3.1	2,4,10, 23, 25,35,36	3	>5	≤ 1
			5	>6	≤ 1
			10	>6	≤ 1
			15	>8	≤ 1
			20	>10	≤ 1
NS_04	6.6.2.2.3.2	41	5	>6	≤1
			10, 15, 20	Table 6.2.4.3-4	
NS_05	6.6.3.3.3.1	1	10,15,20	≥ 50	≤ 1
NS_06	6.6.2.2.3.3	12, 13, 14, 17	1.4, 3, 5, 10	Table 5.4.2-1	N/A
NS_07	6.6.2.2.3.3 6.6.3.3.3.2	13	10	Table 6.2.4.3-2	Table 6.2.4.3-2
NS_08	6.6.3.3.3.3	19	10, 15	> 44	≤ 3
NS_09	6.6.3.3.3.4	21	10, 15	> 40	≤ 1
				> 55	≤ 2
NS_10		20	15, 20	Table 6.2.4.3-3	Table 6.2.4.3-3
NS_11	6.6.2.2.1 6.6.3.3.13	231	1.4, 3, 5, 10,15,20	Table 6.2.4.3-5	Table 6.2.4.3-5
NS_12	6.6.3.3.5	26	1.4, 3, 5	Table 6.2.4.3-6	Table 6.2.4.3-6
NS_13	6.6.3.3.6	26	5	Table 6.2.4.3-7	Table 6.2.4.3-7
NS_14	6.6.3.3.7	26	10, 15	Table 6.2.4.3-8	Table 6.2.4.3-8
NS_15	6.6.3.3.8	26	1.4, 3, 5, 10, 15	Table 6.2.4.3-9 Table 6.2.4.3-10	Table 6.2.4.3-9, Table 6.2.4.3-10
NS_16	6.6.3.3.9	27	3, 5, 10	Table 6.2.4.3-11, Table 6.2.4.3-12, Table 6.2.4.3-13	
NS_17	6.6.3.3.10	28	5, 10	Table 5.4.2-1	N/A
	6.6.3.3.11	28	5	≥ 2	≤ 1
NS_18			10, 15, 20	≥ 1	≤ 4
NS_19			10, 15, 20	Table 6.2.4.3-15	Table 6.2.4.3-15
NS_20			5, 10, 15, 20	Table 6.2.4.3-14	Table 6.2.4.3-14
…					
NS_20	-	-	-	-	-

WIFI

Mode	Data Rate (Mbps)	Channel	Frequency(MHz)	Avg. Burst Power(dBm)
802.11b	1	01	2412	**10.84**
		06	2437	10.62
		11	2462	10.37
802.11g	6	01	2412	9.73
		06	2437	9.56
		11	2462	9.41
802.11n(20)	6.5	01	2412	9.32
		06	2437	9.28
		11	2462	9.23
802.11n(40)	13.5	03	2422	7.43
		06	2437	7.26
		09	2452	7.21

Bluetooth_V2.1+EDR

Modulation	Channel	Frequency(MHz)	Average Power (dBm)
GFSK	0	2402	0.25
	39	2441	**2.65**
	78	2480	-0.67
π /4-DQPSK	0	2402	-0.96
	39	2441	1.36
	78	2480	-1.9
8-DPSK	0	2402	-0.96
	39	2441	1.36
	78	2480	-1.97

Bluetooth_V4.0

Modulation	Channel	Frequency(MHz)	Peak Burst Power (dBm)
GFSK	0	2402	-5.53
	19	2440	-3.59
	39	2480	-6.55

12. TEST RESULTS

12.1. SAR Test Results Summary

12.1.1. Test position and configuration

Head SAR was performed with the device configured in the positions according to IEEE 1528-2013, and Body SAR was performed with the device 10mm from the phantom.

12.1.2. Operation Mode

1. Per KDB 447498 D01 v05r02 ,for each exposure position, if the highest 1-g SAR is ≤ 0.8 W/kg, testing for low and high channel is optional.
2. Per KDB 865664 D01 v01r04,for each frequency band, if the measured SAR is ≥0.8W/Kg, testing for repeated SAR measurement is required , that the highest measured SAR is only to be tested. When the SAR results are near the limit, the following procedures are required for each device to verify these types of SAR measurement related variation concerns by repeating the highest measured SAR configuration in each frequency band.
   (1) When the original highest measured SAR is ≥0.8W/Kg, repeat that measurement once.
   (2) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is ＞1.20 or when the original or repeated measurement is ≥1.45 W/Kg.
   (3) Perform a third repeated measurement only if the original, first and second repeated measurement is ≥1.5 W/Kg and ratio of largest to smallest SAR for the original, first and second measurement is ≥ 1.20.
3. Body-worn exposure conditions are intended to voice call operations, therefore GSM voice call mode is selected to be test.
4. Per KDB 648474 D04 v01r02,when the reported SAR for a body-worn accessory measured without a headset connected to the handset is ≤1.2W/Kg, SAR testing with a headset connected is not required.
5. Per KDB616217 D04 Hotspot is not required.
6. Per 248227 D01 v02r01, SAR is not required for 802.11g channels when the maximum average output power is less than 1/4dB higher than measured on the corresponding 802.11b channels.
7. Maximum Scaling SAR in order to calculate the Maximum SAR values to test under the standard Peak Power, Calculation method is as follows:
   Maximum Scaling SAR =tested SAR (Max.) ×[maximum turn-up power (mw)/ maximum measurement output power(mw)]
8. Per KDB 941225 D05v02r03, start with the largest channel bandwidth and measure SAR for QPSK with 1RB allocation using the RB offset and required test channel combination with highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
9. Per KDB 941125 D05v02r03, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
10. Per KDB 941125 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 1RB allocation and the highest reported SAR is >1.45 W/Kg, the remaining required test channels must also be tested.

11. Per KDB 941125 D05v02r03. 16QAM output power for each RB allocation configuration is not 1/2 dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is ≤1.45W/Kg, Per KDB 941225 D05v02r02, 16QAM SAR testing is not required.
12. Per KDB 941125 D05v02r03. Smaller bandwidth output power for each RB allocation configuration is >not 1/2 dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤1.45W/Kg. Per KDB 941125 D05v02r03, smaller bandwidth SAR testing is not required.

12.1.3. Test Result

SAR MEASUREMENT									
Depth of Liquid (cm):>15				Relative Humidity (%): 48.9					
Product: Tablet PC									
Test Mode: GSM850 with GMSK modulation									
Position	**Mode**	**Ch.**	**Fr. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Turn-up Power (dBm)**	**Meas. output Power (dBm)**	**Scaled SAR (W/Kg)**	**Limit W/kg**
SIM 1 Card									
Left Cheek	voice	190	836.6	-0.65	0.025	31.50	31.09	0.027	1.6
Left Tilt	voice	190	836.6	2.03	0.020	31.50	31.09	0.022	1.6
Right Cheek	voice	190	836.6	0.76	0.038	31.50	31.09	0.042	1.6
Right Tilt	voice	190	836.6	0.12	**0.045**	31.50	31.09	**0.049**	1.6
Body back	voice	190	836.6	0.27	**0.658**	31.50	31.09	**0.723**	1.6
Body front	voice	190	836.6	0.58	0.433	31.50	31.09	0.476	1.6
Edge 1 (Top)	voice	190	836.6	2.25	0.054	31.50	31.09	0.059	1.6
Edge 2(Right)	voice	190	836.6	0.67	0.101	31.50	31.09	0.111	1.6
Edge 3(Bottom)	voice	190	836.6	0.19	0.510	31.50	31.09	0.560	1.6
Edge 4(Left)	voice	190	836.6	1.33	0.078	31.50	31.09	0.027	1.6
Left Cheek	GPRS-2 slot	190	836.6	0.72	**0.050**	28.50	28.27	**0.053**	1.6
Left Tilt	GPRS-2 slot	190	836.6	0.69	0.033	28.50	28.27	0.035	1.6
Right Cheek	GPRS-2 slot	190	836.6	0.72	0.042	28.50	28.27	0.044	1.6
Right Tilt	GPRS-2 slot	190	836.6	0.18	0.030	28.50	28.27	0.032	1.6
Body back	GPRS-2 slot	128	824.2	0.22	0.790	28.50	28.32	0.823	1.6
Body back	GPRS-2 slot	190	836.6	0.62	**0.831**	28.50	28.27	0.876	1.6
Body back	GPRS-2 slot	251	848..8	1.28	0.824	28.50	28.22	**0.879**	1.6
Body front	GPRS-2 slot	190	836.6	0.85	0.595	28.50	28.27	0.627	1.6
Edge 1 (Top)	GPRS-2 slot	190	836.6	0.89	0.097	28.50	28.27	0.102	1.6
Edge 2(Right)	GPRS-2 slot	190	836.6	0.58	0.131	28.50	28.27	0.138	1.6
Edge 3(Bottom)	GPRS-2 slot	128	824.2	0.09	0.778	28.50	28.32	0.811	1.6
Edge 3(Bottom)	GPRS-2 slot	190	836.6	1.08	0.782	28.50	28.27	0.825	1.6
Edge 3(Bottom)	GPRS-2 slot	251	848..8	0.84	0.780	28.50	28.22	0.832	1.6
Edge 4(Left)	GPRS-2 slot	190	836.6	1.16	0.107	28.50	28.27	0.113	1.6
SIM 2 Card									
Right Tilt	voice	190	836.6	-0.65	0.018	31.50	30.89	0.021	1.6
Body back	voice	190	836.6	-0.19	0.592	31.50	30.89	0.681	1.6

Note:

・When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.

・The test separation for body is 0mm of all above table.

SAR MEASUREMENT									
Depth of Liquid (cm):>15				Relative Humidity (%): 50.1					
Product: Tablet PC									
Test Mode: PCS1900 with GMSK modulation									
Position	**Mode**	**Ch.**	**Fr. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Turn-up Power (dBm)**	**Meas. output Power (dBm)**	**Scaled SAR (W/Kg)**	**Limit W/kg**
SIM 1 Card									
Left Cheek	voice	661	1880.0	0.10	0.021	28.50	28.15	0.023	1.6
Left Tilt	voice	661	1880.0	3.68	0.021	28.50	28.15	0.023	1.6
Right Cheek	voice	661	1880.0	-2.43	**0.043**	28.50	28.15	**0.047**	1.6
Right Tilt	voice	661	1880.0	0.63	0.010	28.50	28.15	0.011	1.6
Body back	voice	661	1880.0	2.36	**0.455**	28.50	28.15	**0.493**	1.6
Body front	voice	661	1880.0	-1.71	0.235	28.50	28.15	0.255	1.6
Edge 1 (Top)	voice	661	1880.0	0.28	0.0095	28.50	28.15	0.010	1.6
Edge 2(Right)	voice	661	1880.0	-2.94	0.104	28.50	28.15	0.113	1.6
Edge 3(Bottom)	voice	661	1880.0	-3.10	0.072	28.50	28.15	0.078	1.6
Edge 4(Left)	voice	661	1880.0	-2.22	0.011	28.50	28.15	0.012	1.6
Left Cheek	GPRS-2 slot	661	1880.0	2.99	0.034	25.50	25.31	0.036	1.6
Left Tilt	GPRS-2 slot	661	1880.0	-0.46	0.036	25.50	25.31	0.038	1.6
Right Cheek	GPRS-2 slot	661	1880.0	-1.02	**0.082**	25.50	25.31	**0.086**	1.6
Right Tilt	GPRS-2 slot	661	1880.0	3.62	0.023	25.50	25.31	0.024	1.6
Body back	GPRS-2 slot	661	1880.0	2.31	**0.457**	25.50	25.31	**0.477**	1.6
Body front	GPRS-2 slot	661	1880.0	-1.33	0.154	25.50	25.31	0.161	1.6
Edge 1 (Top)	GPRS-2 slot	661	1880.0	-0.64	0.014	25.50	25.31	0.015	1.6
Edge 2(Right)	GPRS-2 slot	661	1880.0	-0.84	0.146	25.50	25.31	0.153	1.6
Edge 3(Bottom)	GPRS-2 slot	661	1880.0	-3.16	0.122	25.50	25.31	0.127	1.6
Edge 4(Left)	GPRS-2 slot	661	1880.0	-3.36	0.018	25.50	25.31	0.019	1.6
SIM 2 Card									
Right Cheek	voice	661	1880.0	3.27	0.039	28.50	27.95	0.049	1.6
Body back	voice	661	1880.0	-2.53	0.432	28.50	27.95	0.490	1.6

Note:

・When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.

・The test separation for body is 0mm of all above table.

SAR MEASUREMENT									
Depth of Liquid (cm):>15				Relative Humidity (%): 50.1					
Product: Tablet PC									
Test Mode: WCDMA Band II with QPSK modulation									
Position	**Mode**	**Ch.**	**Fr. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Turn-up Power (dBm)**	**Meas. output Power (dBm)**	**Scaled SAR (W/Kg)**	**Limit W/kg**
SIM 1 Card									
Left Cheek	RMC 12.2kbps	9400	1880	1.77	0.065	21.50	21.38	0.067	1.6
Left Tilt	RMC 12.2kbps	9400	1880	-0.09	0.063	21.50	21.38	0.065	1.6
Right Cheek	RMC 12.2kbps	9400	1880	1.89	**0.150**	21.50	21.38	**0.154**	1.6
Right Tilt	RMC 12.2kbps	9400	1880	-0.19	0.035	21.50	21.38	0.036	1.6
Body back	RMC 12.2kbps	9262	1852.4	-1.78	**1.128**	21.50	21.41	**1.152**	1.6
Body back	RMC 12.2kbps	9400	1880	0.24	1.029	21.50	21.38	1.058	1.6
Body back	RMC 12.2kbps	9538	1907.6	0.60	1.056	21.50	21.32	1.101	1.6
Body front	RMC 12.2kbps	9400	1880	0.46	0.709	21.50	21.38	0.729	1.6
Edge 1 (Top)	RMC 12.2kbps	9400	1880	-1.48	0.016	21.50	21.38	0.179	1.6
Edge 2(Right)	RMC 12.2kbps	9400	1880	-2.52	0.174	21.50	21.38	0.535	1.6
Edge 3(Bottom)	RMC 12.2kbps	9400	1880	1.42	0.520	21.50	21.38	0.029	1.6
Edge 4(Left)	RMC 12.2kbps	9400	1880	4.46	0.028	21.50	21.38	0.016	1.6

Note:

・When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.

・The test separation for body is 0mm of all above table.

SAR MEASUREMENT									
Depth of Liquid (cm):>15				Relative Humidity (%): 48.9					
Product: Tablet PC									
Test Mode: WCDMA Band V with QPSK modulation									
Position	**Mode**	**Ch.**	**Fr. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Turn-up Power (dBm)**	**Meas. output Power (dBm)**	**Scaled SAR (W/Kg)**	**Limit W/kg**
SIM 1 Card									
Left Cheek	RMC 12.2kbps	4183	836.6	-0.77	0.043	21.50	21.28	0.045	1.6
Left Tilt	RMC 12.2kbps	4183	836.6	-2.59	0.028	21.50	21.28	0.029	1.6
Right Cheek	RMC 12.2kbps	4183	836.6	-1.52	0.035	21.50	21.28	0.037	1.6
Right Tilt	RMC 12.2kbps	4183	836.6	-1.97	**0.058**	21.50	21.28	**0.061**	1.6
Body back	RMC 12.2kbps	4183	836.6	-0.59	0.513	21.50	21.28	0.540	1.6
Body front	RMC 12.2kbps	4183	836.6	0.01	0.495	21.50	21.28	0.521	1.6
Edge 1 (Top)	RMC 12.2kbps	4183	836.6	0.52	0.016	21.50	21.28	0.017	1.6
Edge 2(Right)	RMC 12.2kbps	4183	836.6	0.44	0.014	21.50	21.28	0.015	1.6
Edge 3(Bottom)	RMC 12.2kbps	4183	836.6	0.71	**0.594**	21.50	21.28	**0.625**	1.6
Edge 4(Left)	RMC 12.2kbps	4183	836.6	0.76	0.010	21.50	21.28	0.011	1.6

Note:

・When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.

・The test separation for body is 0mm of all above table.

SAR MEASUREMENT												
Depth of Liquid (cm):>15					Relative Humidity (%): 52.4							
Product: Tablet PC												
Test Mode: LTE Band IV with QPSK modulation												
BM MHz	**MOD**	**Position**	**Test Mode**		**Ch.**	**Freq. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Turnup Power (dBm)**	**Meas. output Power (dBm)**	**Scaled SAR (W/Kg)**	**Limit (W/kg)**
			UL RB Allocation	**UL RB START**								
20	**QPSK**	Left Cheek	1	99	20175	1732.5	1.25	0.136	24.00	23.53	0.152	1.6
		Left Tilt	1	99	20175	1732.5	0.64	0.140	24.00	23.53	0.156	1.6
		Right Cheek	1	99	20175	1732.5	0.77	**0.358**	24.00	23.53	**0.399**	1.6
		Right Tilt	1	99	20175	1732.5	2.01	0.085	24.00	23.53	0.095	1.6
		Left Cheek	50	50	20300	1745.0	0.08	0.032	23.00	22.40	0.037	1.6
		Left Tilt	50	50	20300	1745.0	3.05	0.113	23.00	22.40	0.130	1.6
		Right Cheek	50	50	20300	1745.0	0.17	0.279	23.00	22.40	0.320	1.6
		Right Tilt	50	50	20300	1745.0	0.57	0.068	23.00	22.40	0.078	1.6
		Left Cheek	100	0	20300	1745.0	2.01	0.031	23.00	22.37	0.036	1.6
		Left Tilt	100	0	20300	1745.0	0.64	0.112	23.00	22.37	0.129	1.6
		Right Cheek	100	0	20300	1745.0	0.57	0.277	23.00	22.37	0.320	1.6
		Right Tilt	100	0	20300	1745.0	0.33	0.065	23.00	22.37	0.075	1.6
		Body back	1	0	20050	1720.0	2.12	0.725	24.00	22.99	0.915	1.6
		Body back	1	99	20175	1732.5	1.08	0.739	24.00	23.53	0.823	1.6
		Body back	1	99	20300	1745.0	0.06	0.770	24.00	23.53	0.858	1.6
		Body front	1	99	20175	1732.5	0.75	0.168	24.00	23.53	0.187	1.6
		Body back	50	50	20300	1745.0	0.64	0.615	23.00	22.40	0.706	1.6
		Body front	50	50	20300	1745.0	0.02	0.142	23.00	22.40	0.163	1.6
		Body back	100	50	20300	1745.0	1.68	0.611	23.00	22.37	0.706	1.6
		Body front	100	50	20300	1745.0	1.72	0.143	23.00	22.37	0.165	1.6
		Edge 1 (Top)	1	99	20300	1745.0	1.44	0.069	24.00	23.53	0.077	1.6
		Edge 2(Right)	1	0	20050	1720.0	1.08	0.757	24.00	22.99	**0.955**	1.6
		Edge 2(Right)	1	99	20175	1732.5	0.61	0.781	24.00	23.53	0.870	1.6
		Edge 2(Right)	1	99	20300	1745.0	0.75	**0.801**	24.00	23.53	0.893	1.6
		Edge 3(Bottom)	1	99	20300	1745.0	0.64	0.412	24.00	23.53	0.459	1.6
		Edge 4(Left)	1	99	20300	1745.0	1.08	0.085	24.00	23.53	0.095	1.6

Note:

・When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.

・The test separation for body is 0mm of all above table.

SAR MEASUREMENT												
Depth of Liquid (cm):>15					Relative Humidity (%): 50.3							
Product: Tablet PC												
Test Mode: LTE Band VII with QPSK modulation												
BM MHz	**MOD**	**Position**	**Test Mode**		**Ch.**	**Freq. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Turnup Power (dBm)**	**Meas. output Power (dBm)**	**Scaled SAR (W/Kg)**	**Limit (W/kg)**
			UL RB Allocation	**UL RB START**								
20	**QPSK**	Left Cheek	1	0	20850	2510.0	2.08	0.049	22.00	21.75	0.052	1.6
		Left Tilt	1	0	20850	2510.0	1.39	0.040	22.00	21.75	0.042	1.6
		Right Cheek	1	0	20850	2510.0	1.77	**0.104**	22.00	21.75	**0.110**	1.6
		Right Tilt	1	0	20850	2510.0	0.58	0.027	22.00	21.75	0.029	1.6
		Left Cheek	50	50	20850	2510.0	0.30	0.047	22.00	21.68	0.051	1.6
		Left Tilt	50	50	20850	2510.0	0.03	0.040	22.00	21.68	0.043	1.6
		Right Cheek	50	50	20850	2510.0	0.78	0.093	22.00	21.68	0.100	1.6
		Right Tilt	50	50	20850	2510.0	0.11	0.027	22.00	21.68	0.029	1.6
		Left Cheek	100	0	21100	2535.0	0.82	0.047	22.00	21.59	0.052	1.6
		Left Tilt	100	0	21100	2535.0	2.07	0.040	22.00	21.59	0.044	1.6
		Right Cheek	100	0	21100	2535.0	1.91	0.069	22.00	21.59	0.076	1.6
		Right Tilt	100	0	21100	2535.0	1.47	0.027	22.00	21.59	0.030	1.6
		Body back	1	0	20850	2510.0	0.36	0.905	22.00	21.75	0.959	1.6
		Body back	1	0	21100	2353.0	0.47	0.988	22.00	21.72	1.054	1.6
		Body back	1	0	21350	2560.0	0.82	**1.012**	22.00	21.64	**1.099**	1.6
		Body front	1	0	20850	2510.0	0.06	0.423	22.00	21.75	0.448	1.6
		Body back	50	50	20850	2510.0	0.72	0.794	22.00	21.68	0.855	1.6
		Body back	50	50	21100	2353.0	0.32	0.806	22.00	21.64	0.876	1.6
		Body back	50	50	21350	2560.0	2.36	0.805	22.00	21.49	0.905	1.6
		Body front	50	50	20850	2510.0	3.01	0.363	22.00	21.68	0.391	1.6
		Body back	100	0	20850	2510.0	2.58	0.745	22.00	21.53	0.830	1.6
		Body back	100	0	21100	2353.0	0.15	0.806	22.00	21.59	0.886	1.6
		Body back	100	0	21350	2560.0	0.36	0.821	22.00	21.42	0.938	1.6
		Body front	100	0	21100	2535.0	0.29	0.366	22.00	21.59	0.402	1.6
		Edge 1 (Top)	1	0	20850	2510.0	2.23	0.045	22.00	21.75	0.048	1.6
		Edge 2(Right)	1	0	20850	2510.0	0.98	0.725	22.00	21.75	0.768	1.6
		Edge 3(Bottom)	1	0	20850	2510.0	0.71	0.496	22.00	21.75	0.525	1.6
		Edge 4(Left)	1	0	20850	2510.0	2.21	0.024	22.00	21.75	0.025	1.6

Note:

・When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.

・The test separation for body is 0mm of all above table.

SAR MEASUREMENT									
Depth of Liquid (cm):>15				Relative Humidity (%): 52.1					
Product: Tablet PC									
Test Mode: 802.11b									
Position	**Mode**	**Ch.**	**Fr. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Turn-up Power (dBm)**	**Meas. output Power (dBm)**	**Scaled SAR (W/Kg)**	**Limit W/kg**
Left Cheek	DTS	6	2437	0.38	**0.196**	11.00	10.62	**0.214**	1.6
Left Tilt	DTS	6	2437	-1.03	0.174	11.00	10.62	0.190	1.6
Right Cheek	DTS	6	2437	0.54\	0.151	11.00	10.62	0.165	1.6
Right Tilt	DTS	6	2437	0.76	0.164	11.00	10.62	0.179	1.6
Body back	DTS	6	2437	0.18	**0.380**	11.00	10.62	**0.415**	1.6
Body front	DTS	6	2437	-0.44	0.212	11.00	10.62	0.231	1.6
Edge 1 (Top)	DTS	6	2437	0.39	0.125	11.00	10.62	0.136	1.6
Edge 2(Right)	DTS	6	2437	0.71	0.036	11.00	10.62	0.039	1.6
Edge 3(Bottom)	DTS	6	2437	-0.35	0.377	11.00	10.62	0.411	1.6
Edge 4(Left)	DTS	6	2437	2.00	0.048	11.00	10.62	0.052	1.6

Note:

- According to KDB248227, SAR is not required for 802.11n HT20/HT40 channels when the maximum average output power is less than 1/4 dB higher than that measured on the corresponding 802.11a/b channels.
- All of above “DTS” means data transmitters.
- The test separation of all above table for body part is 0mm.

Repeated SAR										
Product: Tablet PC										
Test Mode: GSM850& WCDMA Band II										
Position	**Mode**	**Ch.**	**Fr. (MHz)**	**Power Drift (<±5%)**	**Once SAR (1g) (W/kg)**	**Power Drift (<±5%)**	**Twice SAR (1g) (W/kg)**	**Power Drift (<±5%)**	**Third SAR (1g) (W/kg)**	**Limit W/kg**
Body back	GPRS-2 slot	251	848..8	-0.69	0.825	--	--	--	-	1.6
Body back	RMC 12.2kbps	9262	1852.4	-0.44	1.075	-	--	--	--	1.6

Repeated SAR											
Product: Tablet PC											
Test Mode: LTE Band IV& LTE Band VII											
BM MHz	**MOD**	**Position**	**Test Mode**		**Ch.**	**Freq. (MHz)**	**Power Drift (<±5%)**	**Once SAR (1g) (W/kg)**	**Twice SAR (1g) (W/kg)**	**Third SAR (1g) (W/kg)**	**Limit (W/kg)**
			UL RB Allocation	**UL RB START**							
20	**QPSK**	Edge 2(Right)	1	0	20175	1732.5	0.15	0.749	--	--	1.6
		Body back	1	0	21350	2560.0	-1.06	0.962	--	--	1.6

Simultaneous Multi-band Transmission Evaluation:

Application Simultaneous Transmission information:

NO	Simultaneous state	Portable Handset		
		Head	Body-worn	Hotspot
1	GSM(voice)+WLAN 2.4GHz (data)	Yes	Yes	-
2	WCDMA(voice)+WLAN 2.4GHz (data)	Yes	Yes	-
3	GSM(voice)+Bluetooth(data)	-	Yes	-
4	WCDMA(voice)+Bluetooth(data)	-	Yes	-
5	GSM (Data) + Bluetooth(data)	-	Yes	
6	GSM (Data) + WLAN 2.4GHz (data)	Yes	Yes	Yes
7	WCDMA (Data) + Bluetooth(data)	--	Yes	
8	WCDMA (Data) + WLAN 2.4GHz (data)	Yes	Yes	Yes

NOTE:

1. WLAN and BT share the same antenna, and cannot transmit simultaneously.
2. Simultaneous with every transmitter must be the same test position.
3. KDB 447498 D01, BT SAR is excluded as below table.
4. KDB 447498 D01, for handsets the test separation distance is determined by the smallest distance between the outer surface of the device and the user; which is 0mm for head SAR and 10mm for body-worn SAR.
5. If the test separation distance is <5mm, 5mm is used for excluded SAR calculation.
6. According to KDB447497 D01 4.3.2, simultaneous transmission SAR test exclusion is as follow:
   (1) 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.
   (2) Any transmitters and antennas should be considered when calculating simultaneous mode.
   (3) For mobile phone and PC, it's the sum of all transmitters and antennas at the same mode with same position in each applicable exposure condition
   (4) When the standalone SAR test exclusion of section 4.3.1 is applied to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to the following to determine simultaneous transmission SAR test exclusion:

   (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.
7. When the sum of SAR is larger than the limit, SAR test exclusion is determined by the SAR to peak location separation ratio. The simultaneous transmitting antennas in each operating mode and exposure condition combination must be considered one pair at a time to determine the SAR to peak location separation ratio to qualify for test exclusion. The ratio is determined by (SAR1 + SAR2)1.5/Ri, rounded to two decimal digits, and must be ≤ 0.04 for all antenna pairs in the configuration to qualify for 1-g SAR test exclusion.

Estimated SAR		Max Power including Tune-up Tolerance		Separation Distance (mm)	Estimated SAR (W/kg)
		dBm	mW		
BT	Head	3	1.995	0	0.083
	Body	3	1.995	10	0.042

Maximum test results (WWAN) with BT SAR:
BT: Head (0 cm gap): 0.083 W/kg and Body (1.0cm gap): 0.042 W/kg

Sum of the SAR for GSM 850 &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/Kg)	SPLSR (Yes/No)
		GSM 850 Band	WI-Fi DTS Band	Bluetooth		
Head (voice)	Left Touch	0.027	0.214		0.241	No
	Left Tilt	0.022	0.190		0.212	No
	Right Touch	0.042	0.165		0.207	No
	Right Tilt	0.049	0.179		0.228	No
Body-worn (voice)	Rear	0.723	0.415		1.138	No
	Front	0.476	0.231		0.707	No
	Edge 1	0.059	0.136		0.195	No
	Edge 2	0.111	0.039		0.150	No
	Edge 3	0.560	0.411		0.971	No
	Edge 4	0.027	0.052		0.079	No
	Rear	0.723		0.042	0.765	No
	Front	0.476		0.042	0.518	No
	Edge 1	0.059		0.042	0.101	No
	Edge 2	0.111		0.042	0.153	No
	Edge 3	0.560		0.042	0.602	No
	Edge 4	0.027		0.042	0.069	No
Head (GPRS)	Left Touch	0.053	0.214		0.267	No
	Left Tilt	0.035	0.190		0.225	No
	Right Touch	0.044	0.165		0.209	No
	Right Tilt	0.032	0.179		0.211	No
Body-worn (GPRS)	Rear	0.879	0.415		1.294	No
	Front	0.627	0.231		0.858	No
	Edge 1	0.102	0.136		0.238	No
	Edge 2	0.138	0.039		0.177	No
	Edge 3	0.832	0.411		1.243	No
	Edge 4	0.113	0.052		0.165	No
	Rear	0.879		0.042	0.921	No
	Front	0.627		0.042	0.669	No
	Edge 1	0.102		0.042	0.144	No
	Edge 2	0.138		0.042	0.180	No
	Edge 3	0.832		0.042	0.874	No
	Edge 4	0.113		0.042	0.155	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/Kg, SPLSR assessment is not required.
- SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for GSM 1900 &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/Kg)	SPLSR (Yes/No)
		GSM 1900 Band	WI-Fi DTS Band	Bluetooth		
Head (voice)	Left Touch	0.023	0.214		0.237	No
	Left Tilt	0.023	0.190		0.213	No
	Right Touch	0.047	0.165		0.212	No
	Right Tilt	0.011	0.179		0.190	No
Body-worn (voice)	Rear	0.493	0.415		0.908	No
	Front	0.255	0.231		0.486	No
	Edge 1	0.010	0.136		0.146	No
	Edge 2	0.113	0.039		0.152	No
	Edge 3	0.078	0.411		0.489	No
	Edge 4	0.012	0.052		0.064	No
	Rear	0.493		0.042	0.535	No
	Front	0.255		0.042	0.297	No
	Edge 1	0.010		0.042	0.052	No
	Edge 2	0.113		0.042	0.155	No
	Edge 3	0.078		0.042	0.120	No
	Edge 4	0.012		0.042	0.054	No
Head (GPRS)	Left Touch	0.036	0.214		0.250	No
	Left Tilt	0.038	0.190		0.228	No
	Right Touch	0.086	0.165		0.251	No
	Right Tilt	0.024	0.179		0.203	No
Body-worn (GPRS)	Rear	0.477	0.415		0.892	No
	Front	0.161	0.231		0.392	No
	Edge 1	0.015	0.136		0.151	No
	Edge 2	0.153	0.039		0.192	No
	Edge 3	0.127	0.411		0.538	No
	Edge 4	0.019	0.052		0.071	No
	Rear	0.477		0.042	0.519	No
	Front	0.161		0.042	0.203	No
	Edge 1	0.015		0.042	0.057	No
	Edge 2	0.153		0.042	0.195	No
	Edge 3	0.127		0.042	0.169	No
	Edge 4	0.019		0.042	0.061	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/Kg, SPLSR assessment is not required.
- SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for WCDMA Band II &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/Kg)	SPLSR (Yes/No)
		WCDMA Band II	Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.067	0.214		0.281	No
	Left Tilt	0.065	0.190		0.255	No
	Right Touch	0.154	0.165		0.319	No
	Right Tilt	0.036	0.179		0.215	No
Body-worn	Rear	1.152	0.415		**1.567**	No
	Front	0.729	0.231		0.960	No
	Edge 1	0.179	0.136		0.315	No
	Edge 2	0.535	0.039		0.574	No
	Edge 3	0.029	0.411		0.440	No
	Edge 4	0.016	0.052		0.068	No
	Rear	1.152		0.042	1.194	No
	Front	0.729		0.042	0.771	No
	Edge 1	0.179		0.042	0.221	No
	Edge 2	0.535		0.042	0.577	No
	Edge 3	0.029		0.042	0.071	No
	Edge 4	0.016		0.042	0.058	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/Kg, SPLSR assessment is not required.
- SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for WCDMA Band V &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/Kg)	SPLSR (Yes/No)
		WCDMA Band V	Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.045	0.214		**0.259**	No
	Left Tilt	0.029	0.190		0.219	No
	Right Touch	0.037	0.165		0.202	No
	Right Tilt	0.061	0.179		0.240	No
Body-worn	Rear	0.540	0.415		0.955	No
	Front	0.521	0.231		0.752	No
	Edge 1	0.017	0.136		0.153	No
	Edge 2	0.015	0.039		0.054	No
	Edge 3	0.625	0.411		**1.036**	No
	Edge 4	0.011	0.052		0.063	No
	Rear	0.540		0.042	0.582	No
	Front	0.521		0.042	0.563	No
	Edge 1	0.017		0.042	0.059	No
	Edge 2	0.015		0.042	0.057	No
	Edge 3	0.625		0.042	0.667	No
	Edge 4	0.011		0.042	0.053	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/Kg, SPLSR assessment is not required.
- SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band IV &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/Kg)	SPLSR (Yes/No)
		LTE Band IV	Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.152	0.214		0.366	No
	Left Tilt	0.156	0.190		0.346	No
	Right Touch	0.399	0.165		**0.564**	No
	Right Tilt	0.095	0.179		0.274	No
Body-worn	Rear	0.858	0.415		**1.273**	No
	Front	0.187	0.231		0.418	No
	Edge 1	0.077	0.136		0.213	No
	Edge 2	0.955	0.039		0.994	No
	Edge 3	0.459	0.411		0.870	No
	Edge 4	0.095	0.052		0.147	No
	Rear	0.858		0.042	0.900	No
	Front	0.187		0.042	0.229	No
	Edge 1	0.077		0.042	0.119	No
	Edge 2	0.955		0.042	0.997	No
	Edge 3	0.459		0.042	0.501	No
	Edge 4	0.095		0.042	0.137	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/Kg, SPLSR assessment is not required.
- SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band VII &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/Kg)	SPLSR (Yes/No)
		LTE Band VII	Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.052	0.214		0.266	No
	Left Tilt	0.042	0.190		0.232	No
	Right Touch	0.110	0.165		**0.275**	No
	Right Tilt	0.029	0.179		0.208	No
Hotspot	Rear	1.099	0.415		**1.514**	No
	Front	0.448	0.231		0.679	No
	Edge 1	0.048	0.136		0.184	No
	Edge 2	0.768	0.039		0.807	No
	Edge 3	0.525	0.411		0.936	No
	Edge 4	0.025	0.052		0.077	No
	Rear	1.099		0.042	1.141	No
	Front	0.448		0.042	0.490	No
	Edge 1	0.048		0.042	0.090	No
	Edge 2	0.768		0.042	0.810	No
	Edge 3	0.525		0.042	0.567	No
	Edge 4	0.025		0.042	0.067	No

Note:

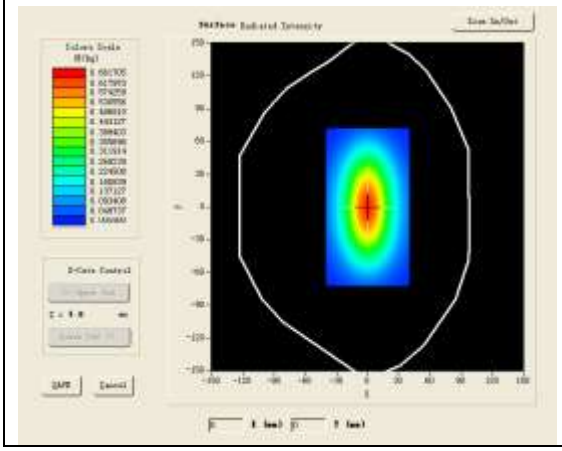
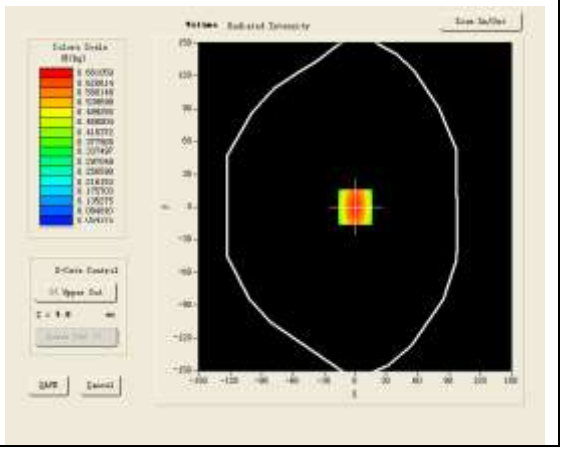
- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/Kg, SPLSR assessment is not required.
- SPLSR mean is “The SAR to Peak Location Separation Ratio “

APPENDIX A. SAR SYSTEM CHECK DATA

Test Laboratory: AGC Lab **Date: Oct. 22,2015**
System Check Head 835 MHz
DUT: Dipole 835 MHz Type: SID 835
Communication System CW; Communication System Band: D835 (835.0 MHz); Duty Cycle: 1:1; Conv.F=6.36
Frequency: 835 MHz; Medium parameters used: f = 835 MHz; σ=0.89 mho/m; εr =42.00; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃):22.5, Liquid temperature (℃): 22.3

SATIMO Configuration
- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

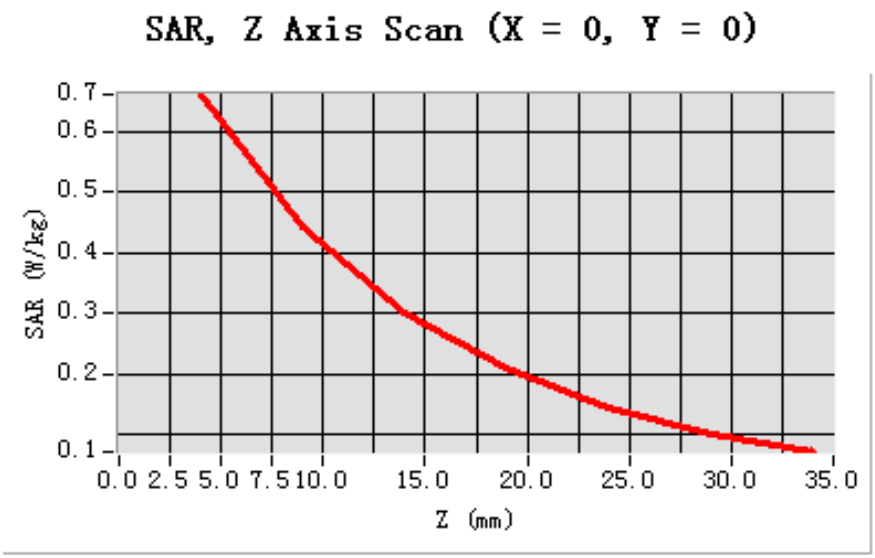
Configuration/System Check 835MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 835MHz Head/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

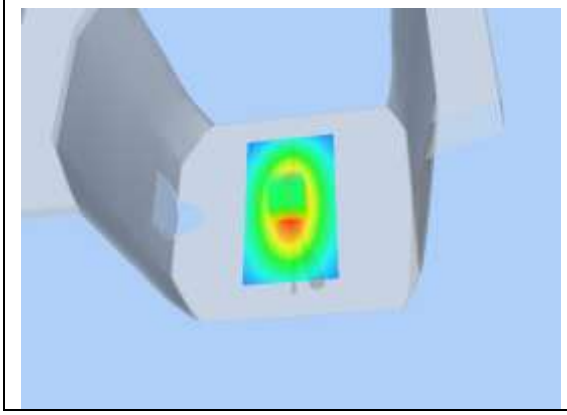
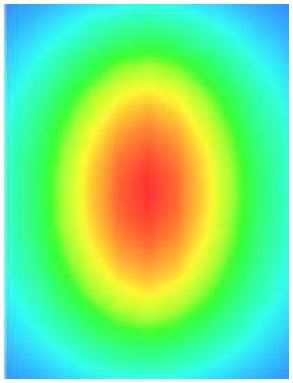
SURFACE SAR	VOLUME SAR
	

Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	0.400110
SAR 1g (W/Kg)	0.628762

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.6602	0.4417	0.3019	0.2100	0.1458	0.1034

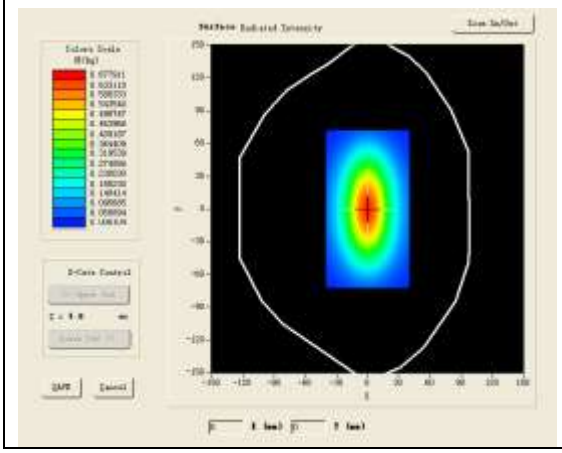
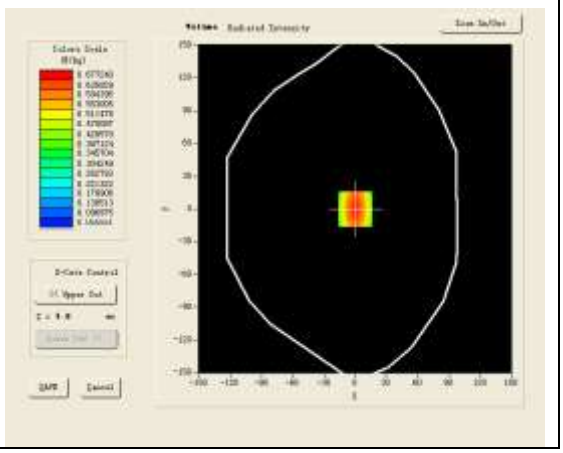


3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Oct. 22,2015**
System Check Body 835 MHz
DUT: Dipole 835 MHz Type: SID 835
Communication System CW; Communication System Band: D835 (835.0 MHz); Duty Cycle: 1:1; Conv.F=6.56
Frequency: 835 MHz; Medium parameters used: f = 835 MHz; σ=0.96 mho/m; εr =55.71; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃):22.3, Liquid temperature (℃): 22.5

SATIMO Configuration
- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

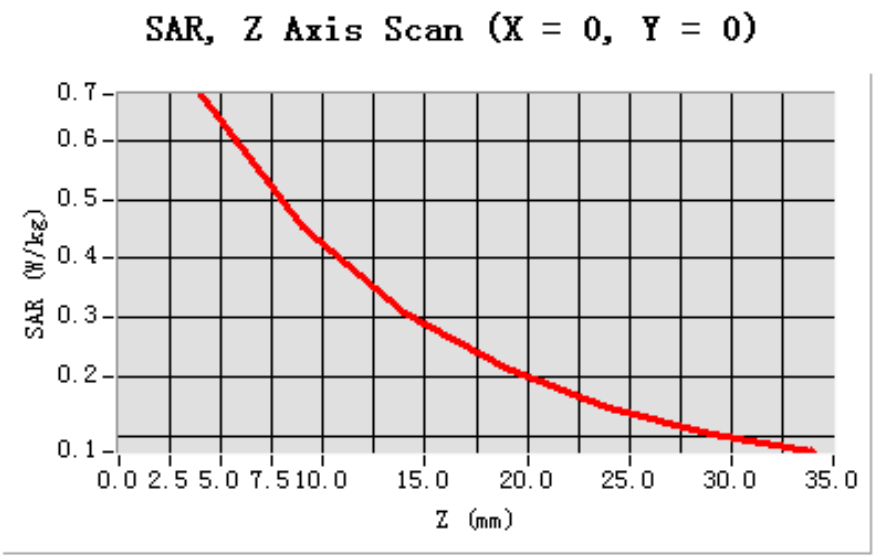
Configuration/System Check 835MHz Body/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 835MHz Body/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

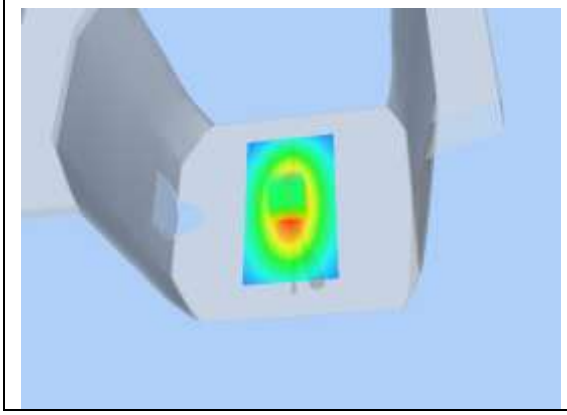
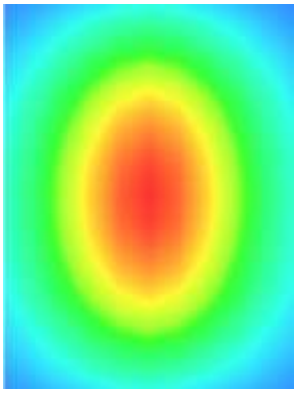
SURFACE SAR	VOLUME SAR
	

Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	0.410231
SAR 1g (W/Kg)	0.647564

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.6769	0.4522	0.3107	0.2143	0.1507	0.1062

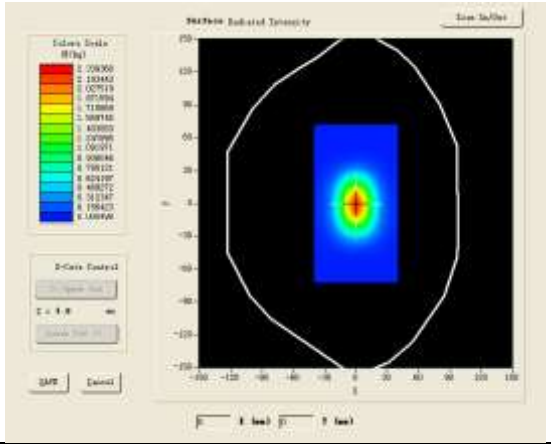
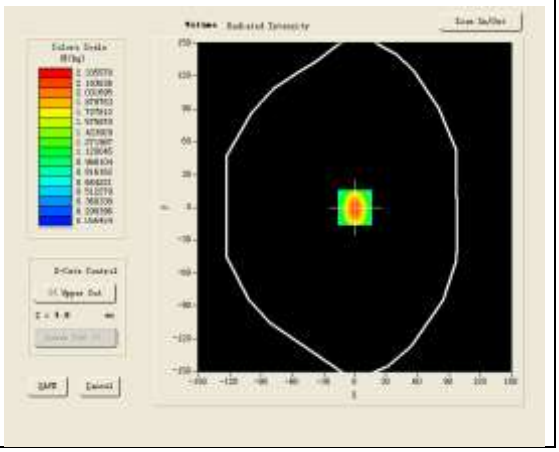


3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Otc. 31,2015**
System Check Head 1750MHz
DUT: Dipole 1800 MHz; Type: SID 1800
Communication System: CW; Communication System Band: D1700 (1750.0 MHz); Duty Cycle:1:1; Conv.F=4.77
Frequency: 1750 MHz; Medium parameters used: f = 1750MHz; σ=0.91mho/m; εr =39.78; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃): 21.9, Liquid temperature (℃): 21.4

SATIMO Configuration:
- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

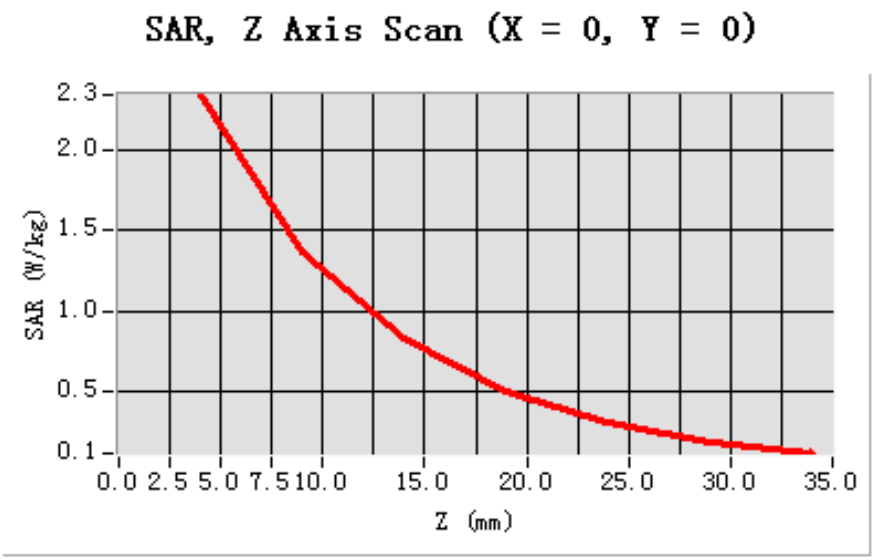
Configuration/System Check 1750MHz Head/Area Scan: Measurement grid: dx=8mm,dy=8mm
Configuration/System Check 1750MHz Head/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

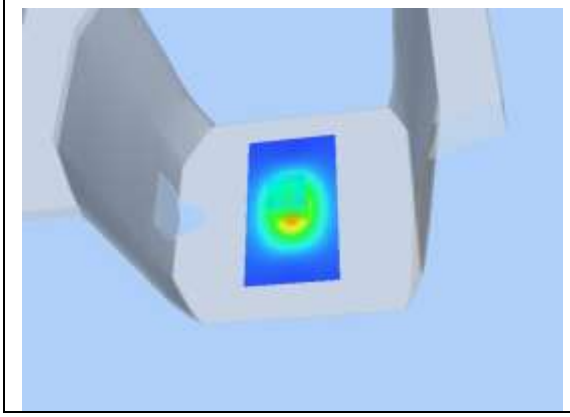
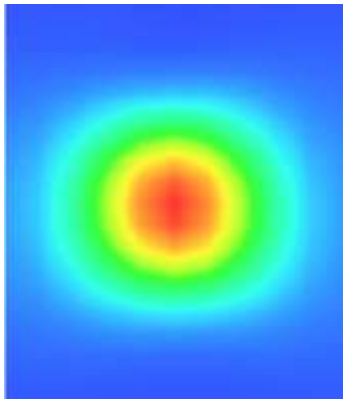
SURFACE SAR	VOLUME SAR
	

Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	1.199576
SAR 1g (W/Kg)	2.207561

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	2.3363	1.3650	0.8298	0.5091	0.3173	0.1984

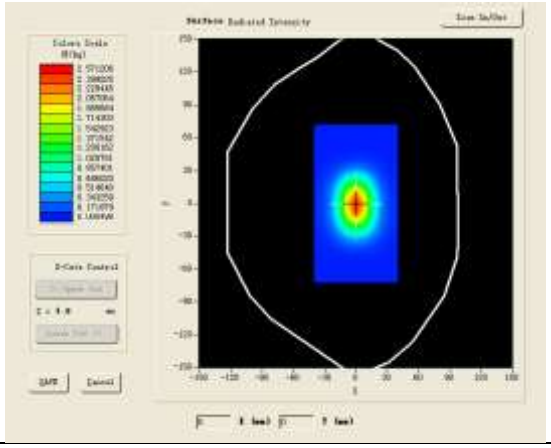
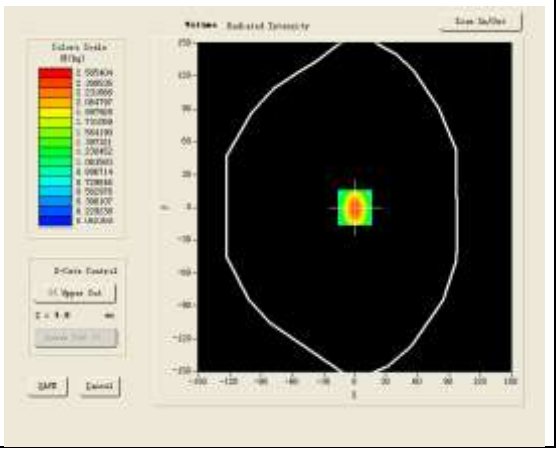


3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Oct. 31,2015**
System Check Body 1750MHz
DUT: Dipole 1800 MHz; Type: SID 1800
Communication System: CW; Communication System Band: D1700 (1750.0 MHz); Duty Cycle:1:1; Conv.F=4.91
Frequency: 1750MHz; Medium parameters used: f = 1750MHz; σ=1.54 mho/m; εr =53.12; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃): 21.9, Liquid temperature (℃): 21.4

SATIMO Configuration:
- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

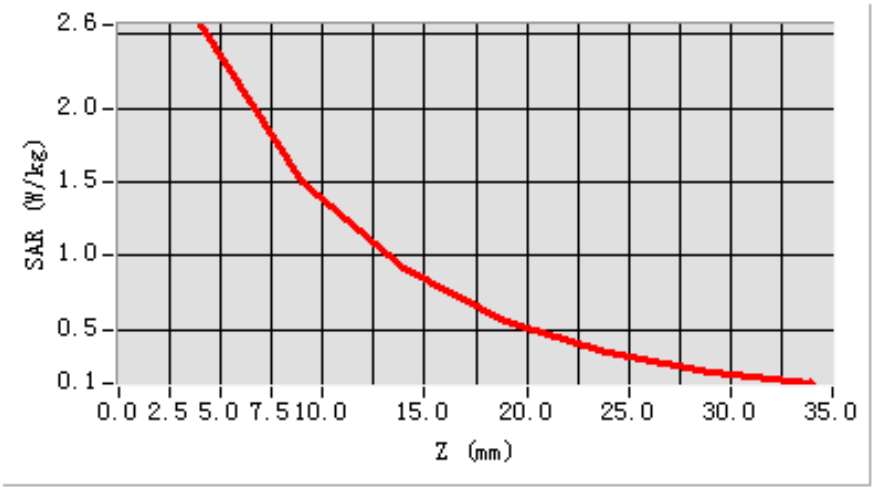
Configuration/System Check 1750MHz Body/Area Scan: Measurement grid: dx=8mm,dy=8mm
Configuration/System Check 1750MHz Body/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

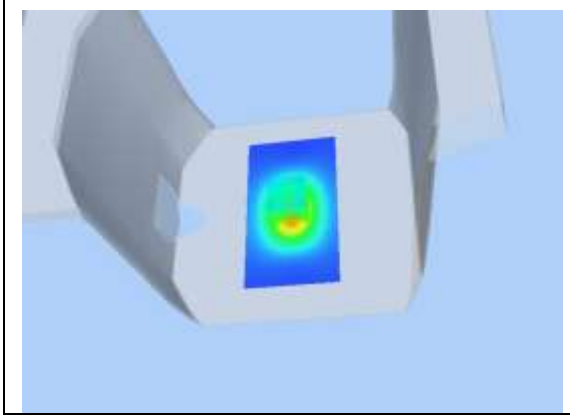
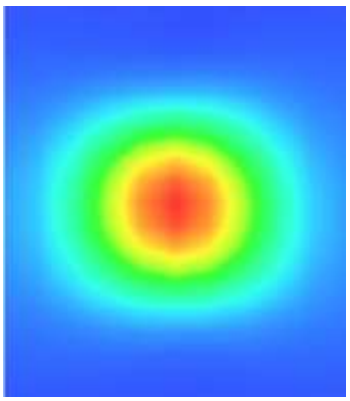
SURFACE SAR	VOLUME SAR
	

Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	1.315241
SAR 1g (W/Kg)	2.410565

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	2.5661	1.5024	0.9108	0.5572	0.3453	0.2160

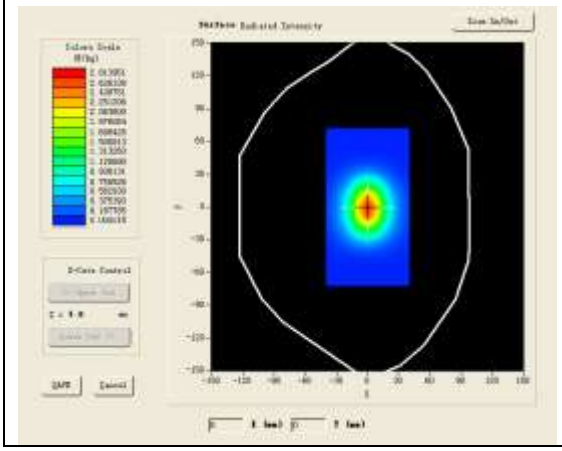
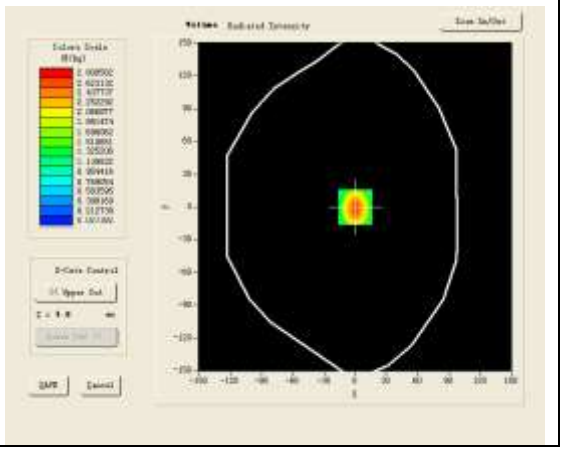


3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Oct. 26,2015**
System Check Head 1900MHz
DUT: Dipole 1900 MHz; Type: SID 1900
Communication System: CW; Communication System Band: D1900 (1900.0 MHz); Duty Cycle:1:1; Conv.F=5.40
Frequency: 1900 MHz; Medium parameters used: f = 1900 MHz; σ=1.42 mho/m; εr =39.64; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃):21.8, Liquid temperature (℃): 21.8

SATIMO Configuration:
- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

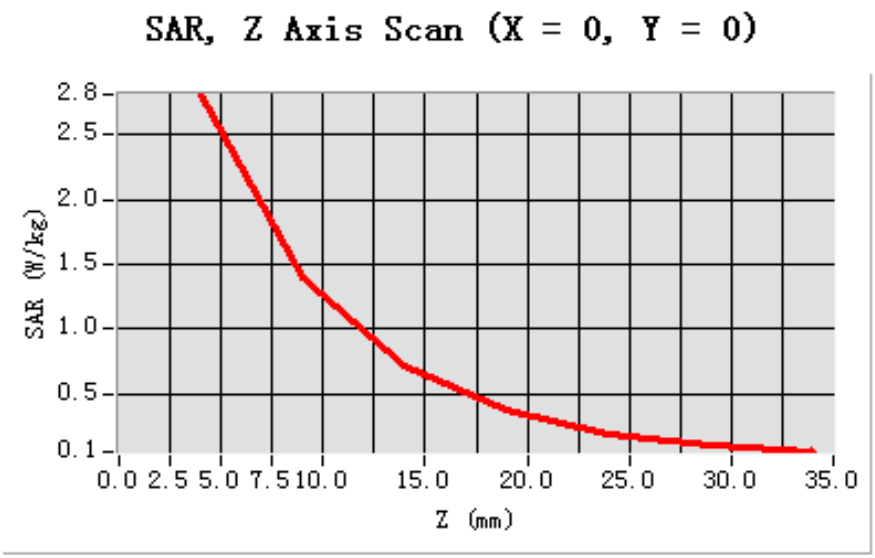
Configuration/System Check 1900MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 1900MHz Head/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

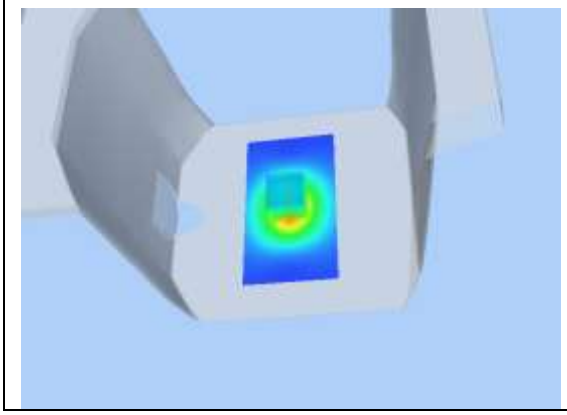
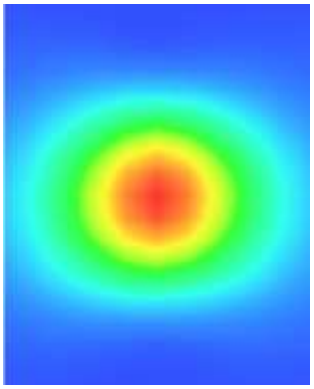
SURFACE SAR	VOLUME SAR
	

Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	1.337215
SAR 1g (W/Kg)	2.676387

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	2.8093	1.4029	0.7248	0.3786	0.2007	0.1054

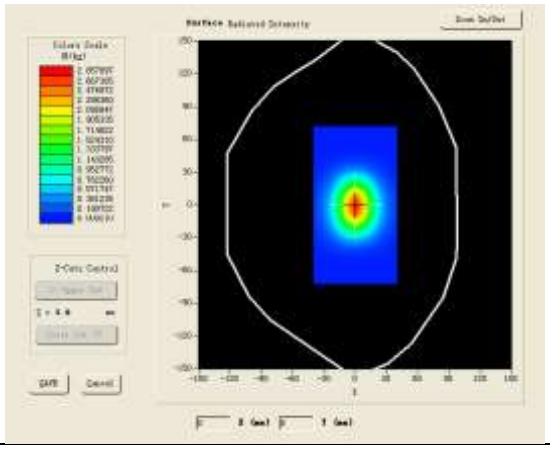
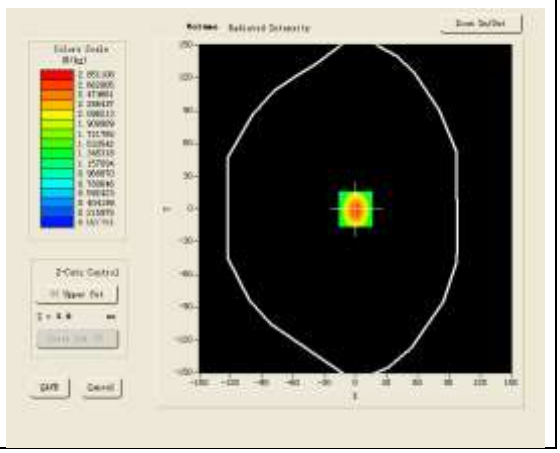


3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Oct. 26,2015**
System Check Body 1900MHz
DUT: Dipole 1900 MHz; Type: SID 1900
Communication System: CW; Communication System Band: D1900 (1900.0 MHz); Duty Cycle:1:1; Conv.F=5.61
Frequency: 1900 MHz; Medium parameters used: f = 1900 MHz; σ=1.54 mho/m; εr =53.26; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃):21.8, Liquid temperature (℃): 21.5

SATIMO Configuration:
- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

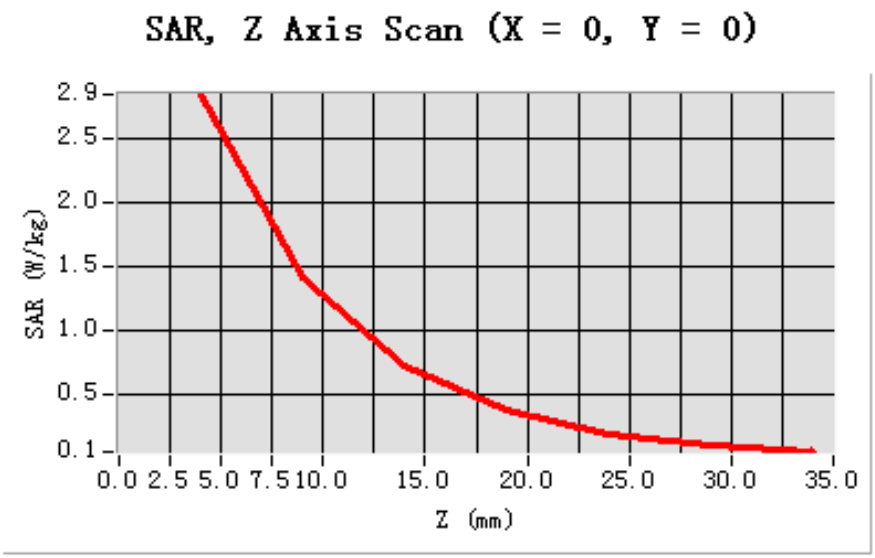
Configuration/System Check 1900MHz Body/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 1900MHz Body/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

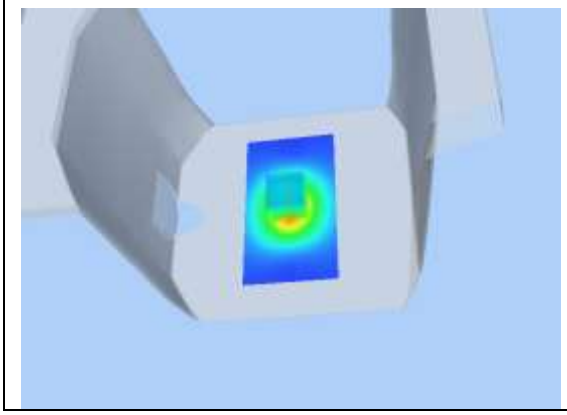
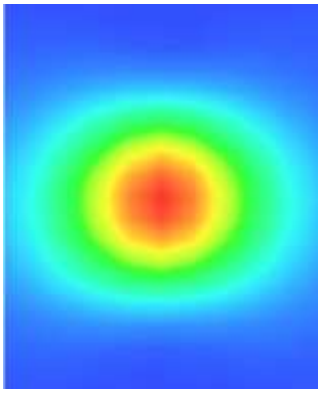
SURFACE SAR	VOLUME SAR
	

Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	1.351523
SAR 1g (W/Kg)	2.717011

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	2.8507	1.4241	0.7387	0.3835	0.2079	0.1086

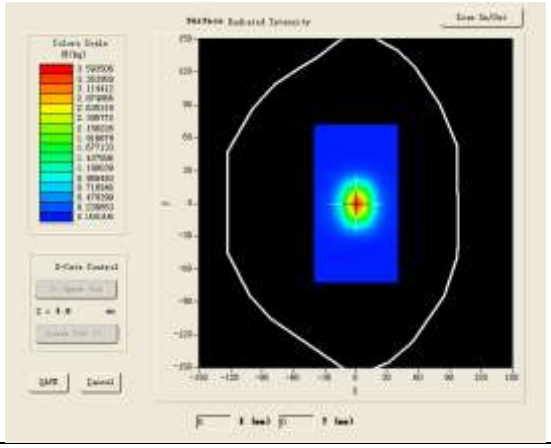
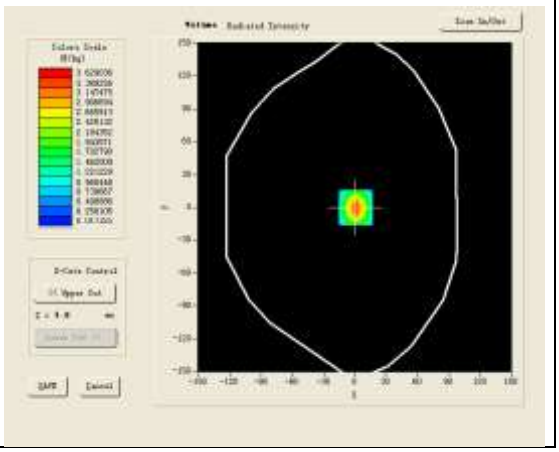


3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Nov. 02,2015**
System Check Head 2450MHz
DUT: Dipole 2450 MHz; Type: SID 2450
Communication System: CW; Communication System Band: D2450 (2450.0 MHz); Duty Cycle:1:1; Conv.F=4.84
Frequency: 2450 MHz; Medium parameters used: f = 2450 MHz; σ=1.77 mho/m; εr =40.84; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃):22.1, Liquid temperature (℃): 21.9

SATIMO Configuration:
- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

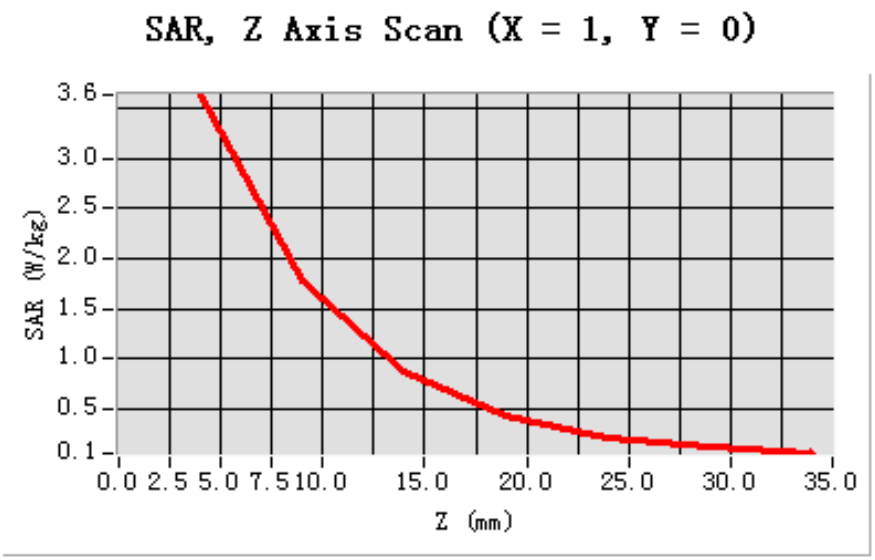
Configuration/System Check 2450MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 2450MHz Head/Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5mm

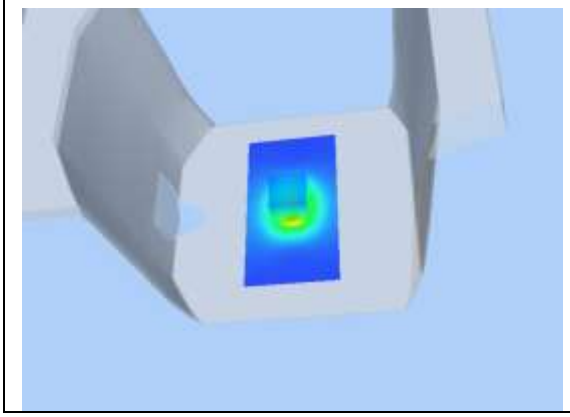
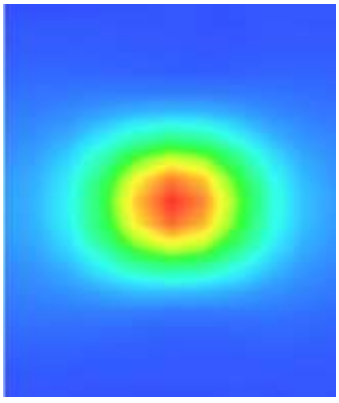
SURFACE SAR	VOLUME SAR
	

Maximum location: X=1.00, Y=0.00

SAR 10g (W/Kg)	1.542453
SAR 1g (W/Kg)	3.369854

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	3.6290	1.7734	0.8786	0.4368	0.2204	0.1108

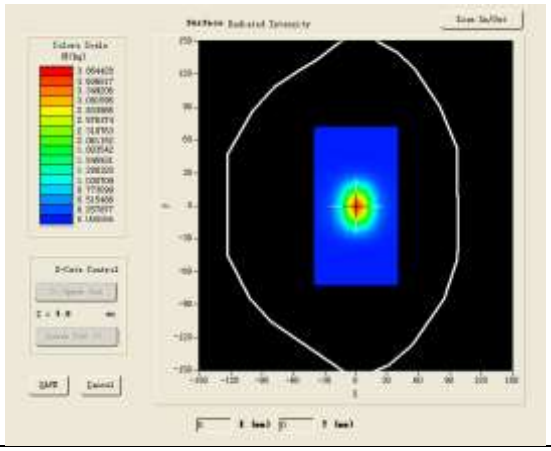
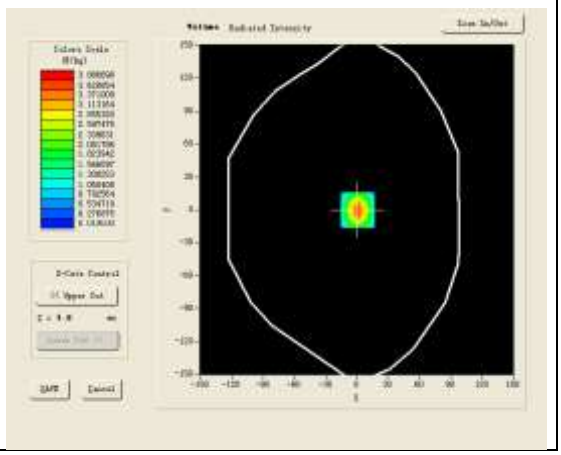


3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Nov. 02,2015**
System Check Body 2450MHz
DUT: Dipole 2450 MHz; Type: SID 2450
Communication System: CW; Communication System Band: D2450 (2450.0 MHz); Duty Cycle:1:1; Conv.F=4.97
Frequency: 2450 MHz; Medium parameters used: f = 2450 MHz; σ=1.91 mho/m; εr =53.47; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃):22.1, Liquid temperature (℃): 21.7

SATIMO Configuration:
- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

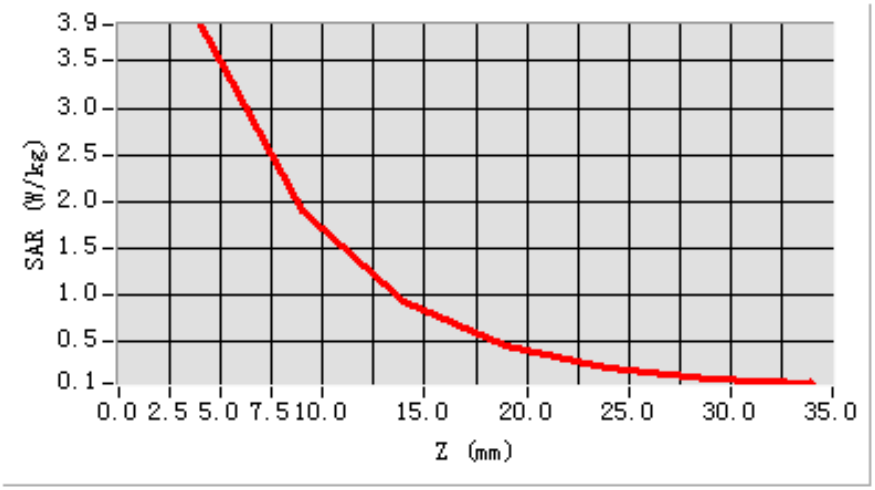
Configuration/System Check 2450MHz Body/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 2450MHz Body/Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5mm

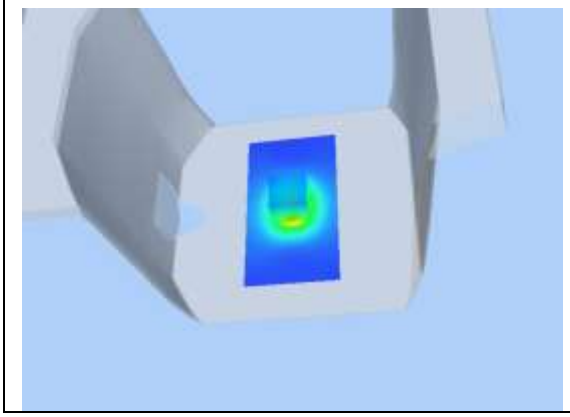
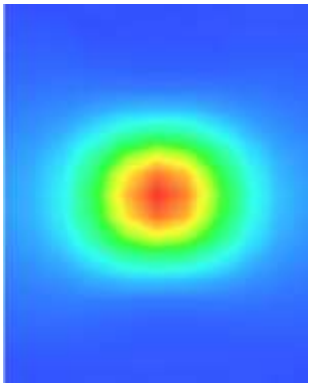
SURFACE SAR	VOLUME SAR
	

Maximum location: X=1.00, Y=0.00

SAR 10g (W/Kg)	1.652443
SAR 1g (W/Kg)	3.610706

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	3.8867	1.8948	0.9369	0.4656	0.2325	0.1174

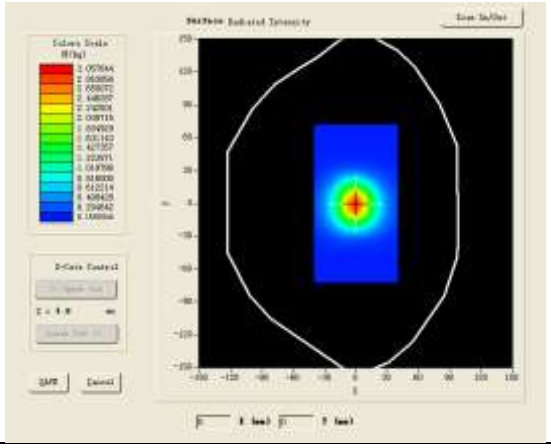
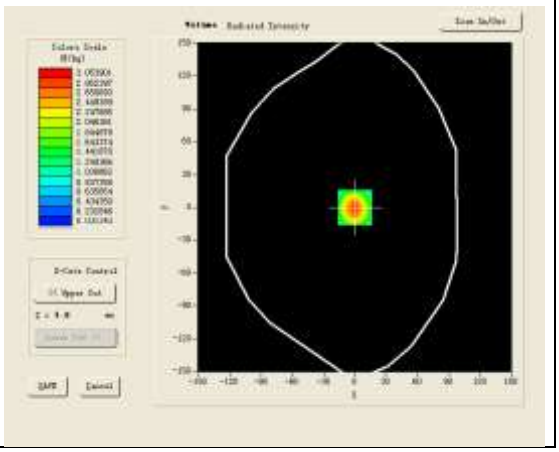


3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Oct. 29,2015**
System Check Head 2600MHz
DUT: Dipole 2600 MHz; Type: SID 2600
Communication System: CW; Communication System Band: D2600 (2600.0 MHz); Duty Cycle:1:1; Conv.F=4.62
Frequency: 2600 MHz; Medium parameters used: f = 2600 MHz; σ=1.92 mho/m; εr =39.74; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃):21.8, Liquid temperature (℃): 21.9

SATIMO Configuration:
- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

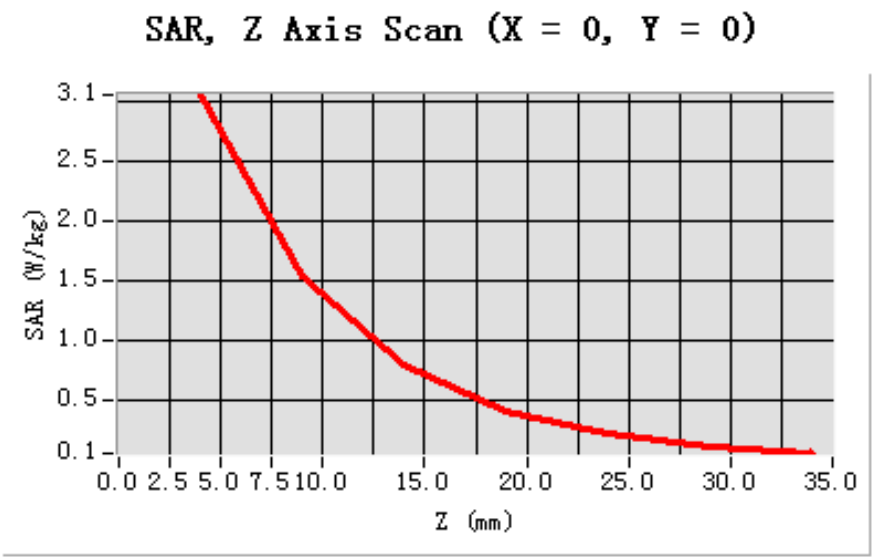
Configuration/System Check 2600MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 2600MHz Head/Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5mm

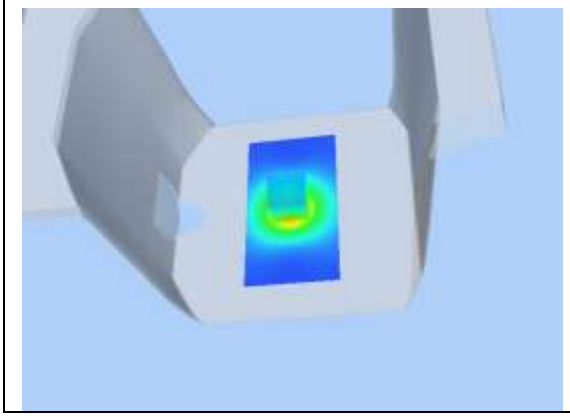
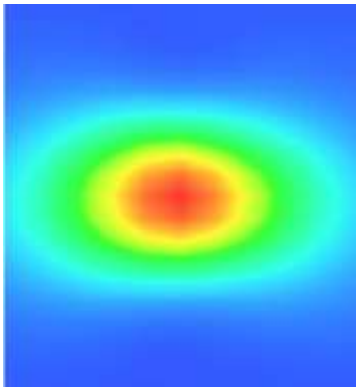
SURFACE SAR	VOLUME SAR
	

Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	1.580027
SAR 1g (W/Kg)	3.189034

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	3.0554	1.5453	0.8035	0.4207	0.2251	0.1208

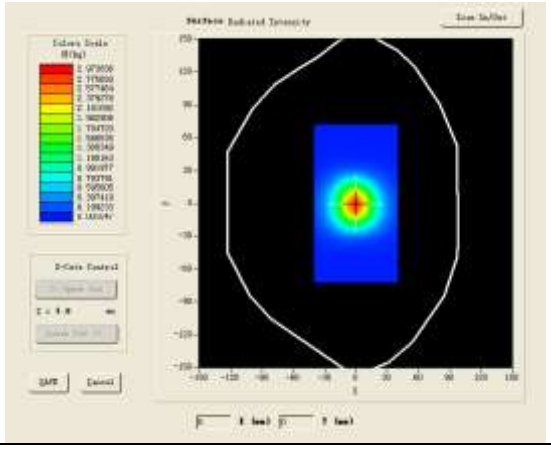
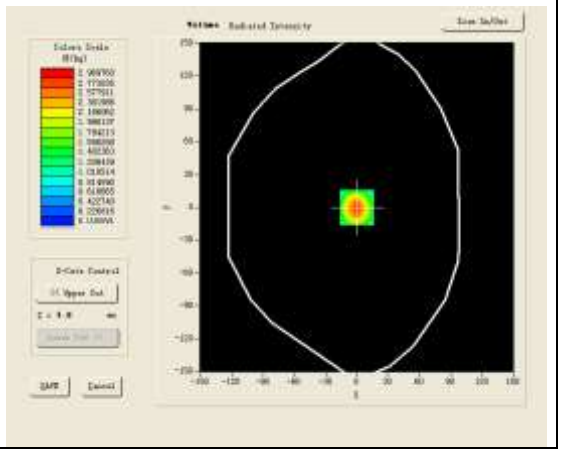


3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Oct. 29,2015**
System Check Body 2600MHz
DUT: Dipole 2600 MHz; Type: SID 2600
Communication System: CW; Communication System Band: D2600 (2600.0 MHz); Duty Cycle:1:1; Conv.F=4.73
Frequency: 2600 MHz; Medium parameters used: f = 2600 MHz; σ=52.86 mho/m; εr =2.14; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃):21.8, Liquid temperature (℃): 21.9

SATIMO Configuration:
- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

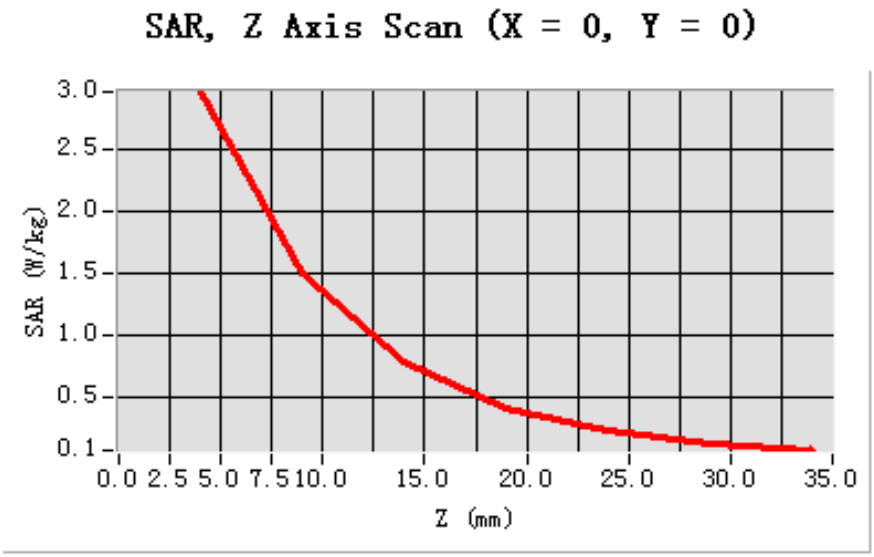
Configuration/System Check 2600MHz Body/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 2600MHz Body/Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5mm

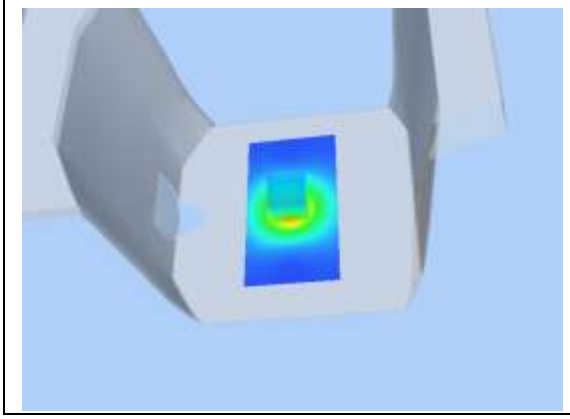
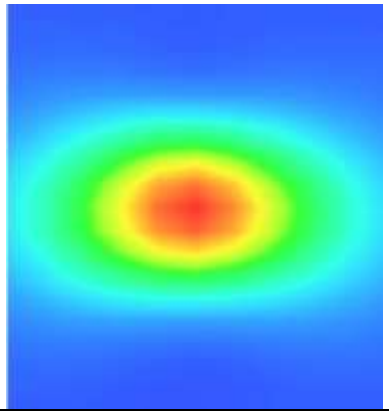
SURFACE SAR	VOLUME SAR
	

Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	1.530123
SAR 1g (W/Kg)	3.091621

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	2.9700	1.5017	0.7820	0.4101	0.2163	0.1175



3D screen shot	Hot spot position
	

APPENDIX B. SAR MEASUREMENT DATA

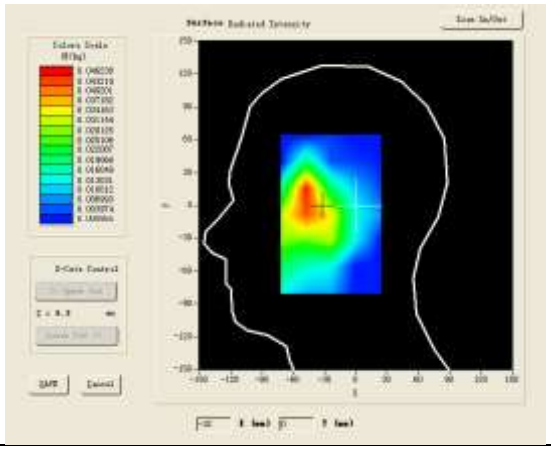
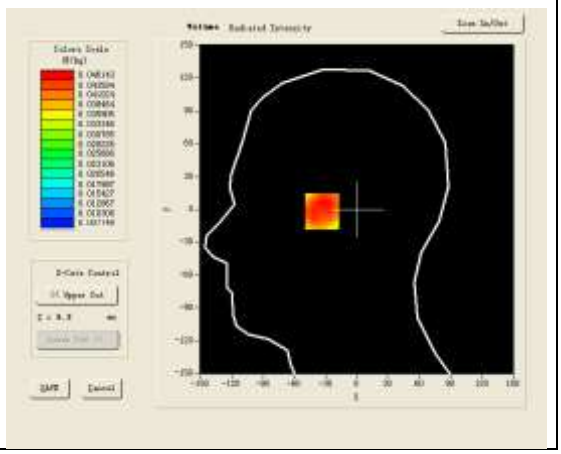
Test Laboratory: AGC Lab **Date: Oct. 22,2015**
GSM 850 Mid-Tilt-Right <SIM 1>
DUT: Tablet PC; Type: UNIVERSAL

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=6.36;
Frequency: 836.6 MHz; Medium parameters used: f = 835 MHz; σ=0.90 mho/m; εr =41.59 ; ρ= 1000 kg/m³ ;
Phantom section: Right Section
Ambient temperature (℃): 22.5, Liquid temperature (℃): 22.3

SATIMO Configuration:
- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/GSM 850 Mid-Tilt-Right/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/GSM 850 Mid-Tilt-Right/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

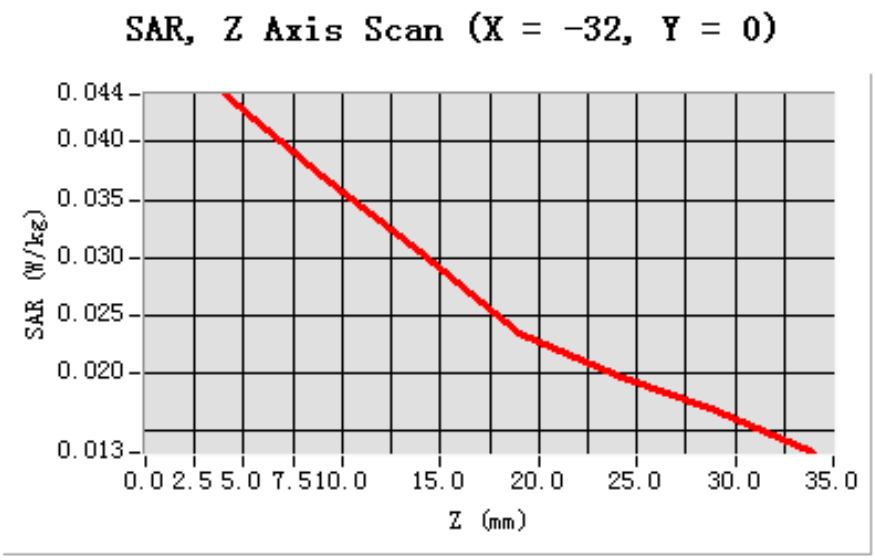
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Right head
Device Position	Tilt
Band	GSM 850
Channels	Middle
Signal	TDMA (Crest factor: 8.0)

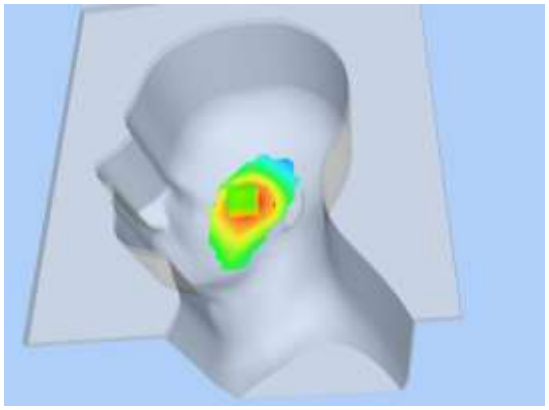
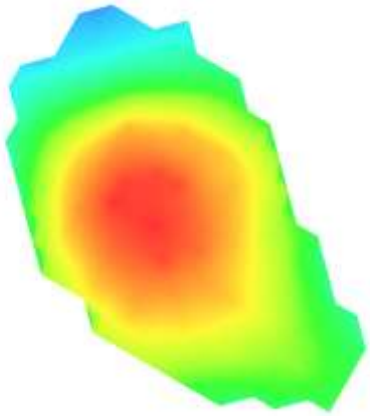
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-32.00, Y=0.00

SAR 10g (W/Kg)	0.033979
SAR 1g (W/Kg)	0.045462

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.0441	0.0371	0.0306	0.0234	0.0199	0.0167



3D screen shot	Hot spot position
	

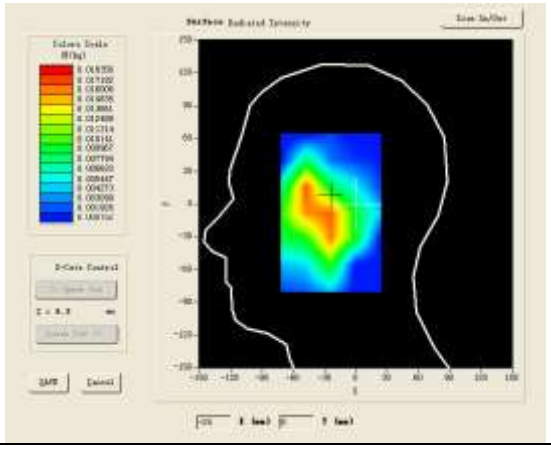
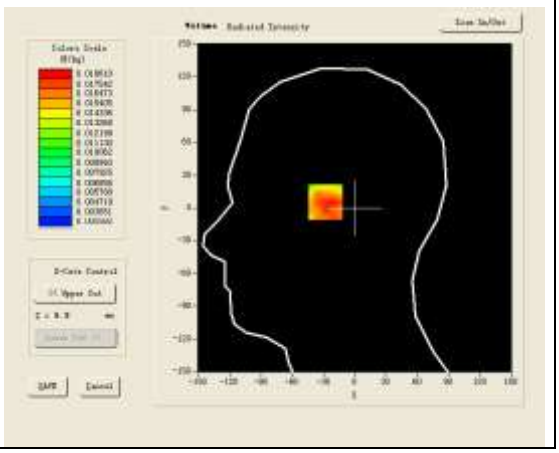
Test Laboratory: AGC Lab **Date: Oct. 22,2015**
GSM 850 Mid-Tilt-Right <SIM 2>
DUT: Tablet PC; Type: UNIVERSAL

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=6.36; Frequency: 836.6 MHz; Medium parameters used: f = 835 MHz; σ=0.90 mho/m; εr =41.59 ; ρ= 1000 kg/m³ ;
Phantom section: Right Section
Ambient temperature (℃): 22.5, Liquid temperature (℃): 22.3

SATIMO Configuration:
- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/GSM 850 Mid-Tilt-Right/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/GSM 850 Mid-Tilt-Right/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

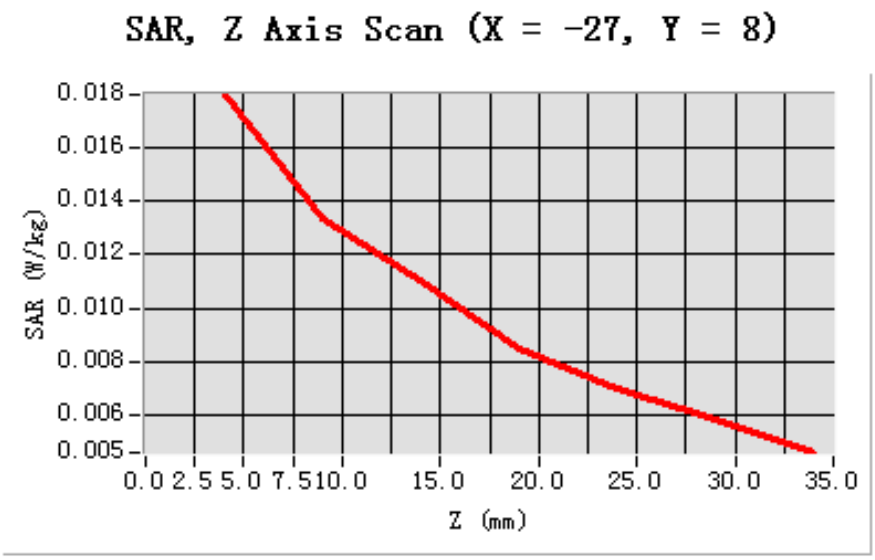
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Right head
Device Position	Tilt
Band	GSM 850
Channels	Middle
Signal	TDMA (Crest factor: 8.0)

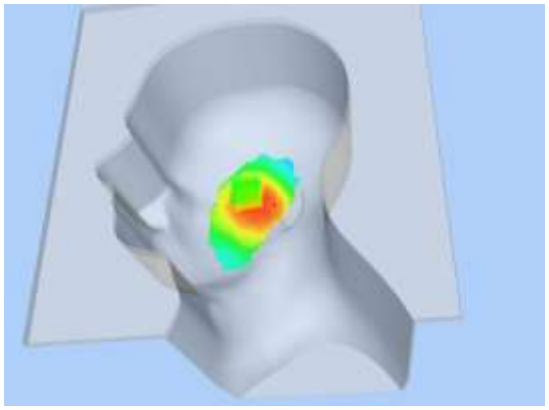
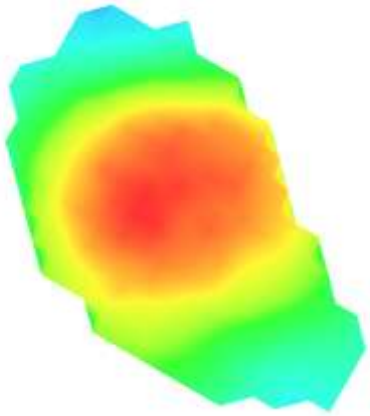
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-27.00, Y=8.00

SAR 10g (W/Kg)	0.013076
SAR 1g (W/Kg)	0.018072

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.0179	0.0133	0.0110	0.0085	0.0071	0.0058



3D screen shot	Hot spot position
	

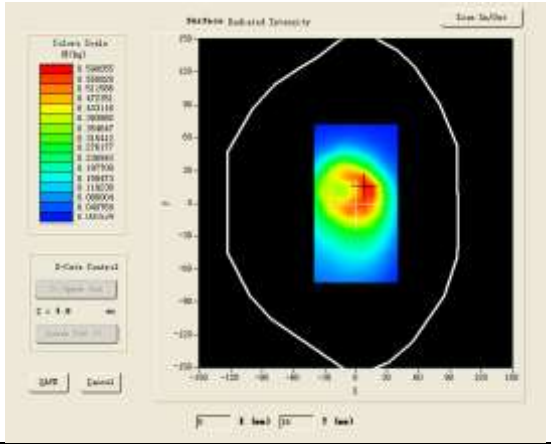
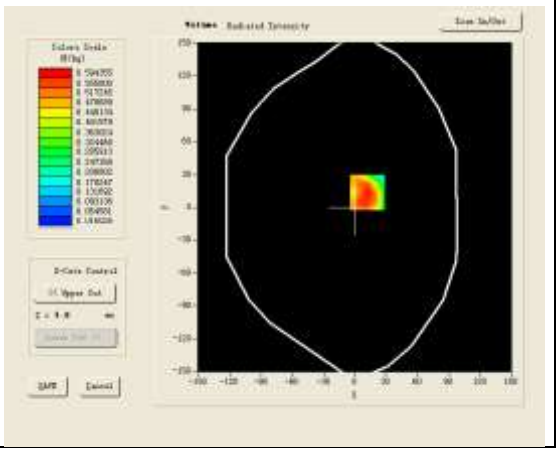
Test Laboratory: AGC Lab **Date: Oct. 22,2015**
GSM 850 Mid- Body- Back (MS)<SIM 1>
DUT: Tablet PC; Type: UNIVERSAL

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=6.56;
Frequency: 836.6 MHz; Medium parameters used: f = 835 MHz; σ= 0.97 mho/m; εr = 55.19; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section
Ambient temperature (℃): 22.5, Liquid temperature (℃): 22.3

SATIMO Configuration:
- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/GSM 850 Mid-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/GSM 850 Mid-Body-Back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

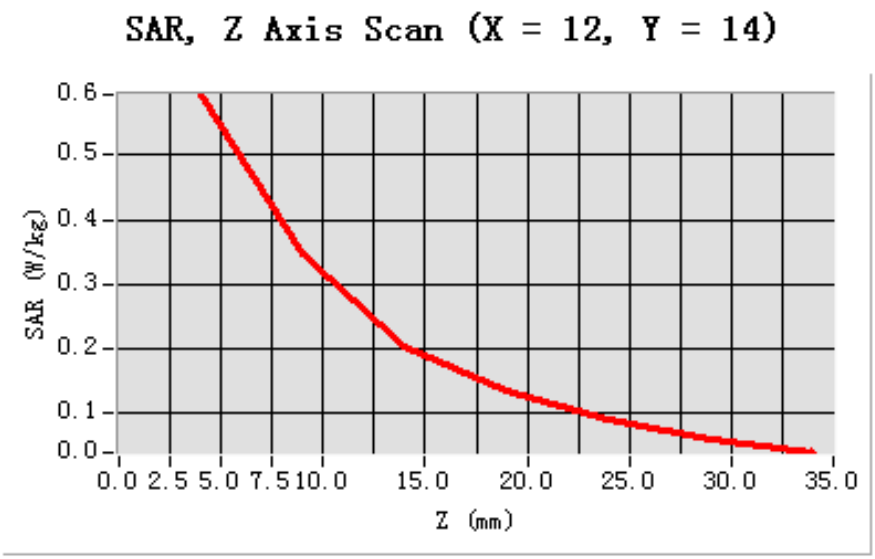
Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body Back
Band	GSM 850
Channels	Middle
Signal	TDMA (Crest factor: 8.0)

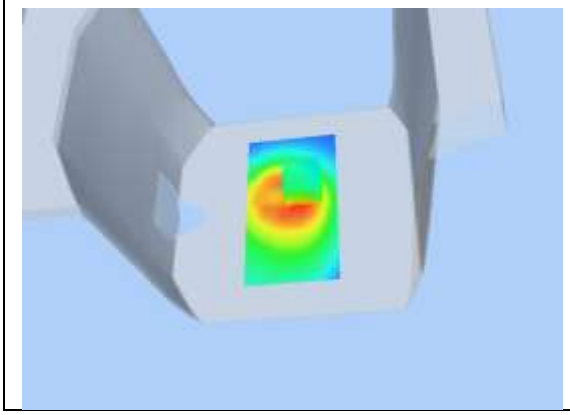
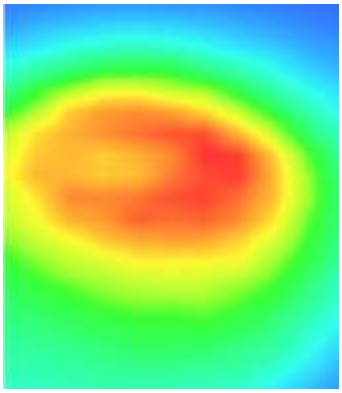
SURFACE SAR	VOLUME SAR
	

Maximum location: X=12.00, Y=14.00

SAR 10g (W/Kg)	0.394952
SAR 1g (W/Kg)	0.658180

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.5944	0.3475	0.2029	0.1330	0.0877	0.0575



3D screen shot	Hot spot position
	

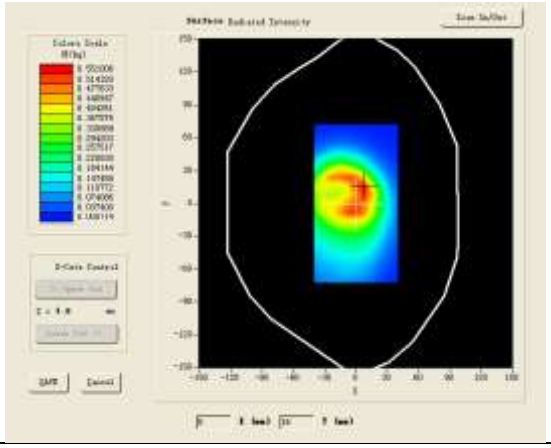
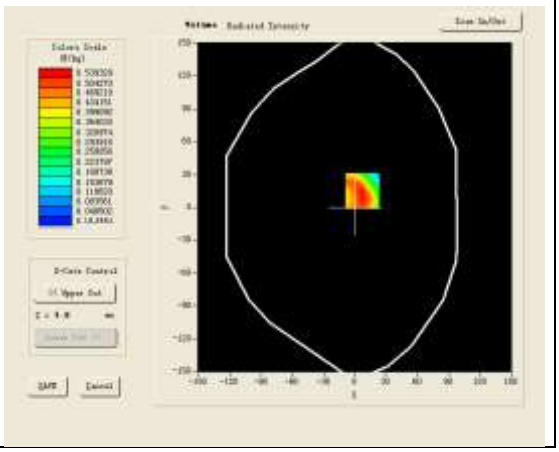
Test Laboratory: AGC Lab **Date: Oct. 22,2015**
GSM 850 Mid- Body- Back (MS)<SIM 2>
DUT: Tablet PC; Type: UNIVERSAL

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=6.56;
Frequency: 836.6 MHz; Medium parameters used: f = 835 MHz; σ= 0.97 mho/m; εr = 55.19; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section
Ambient temperature (℃): 22.5, Liquid temperature (℃): 22.3

SATIMO Configuration:
- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/GSM 850 Mid-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/GSM 850 Mid-Body-Back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

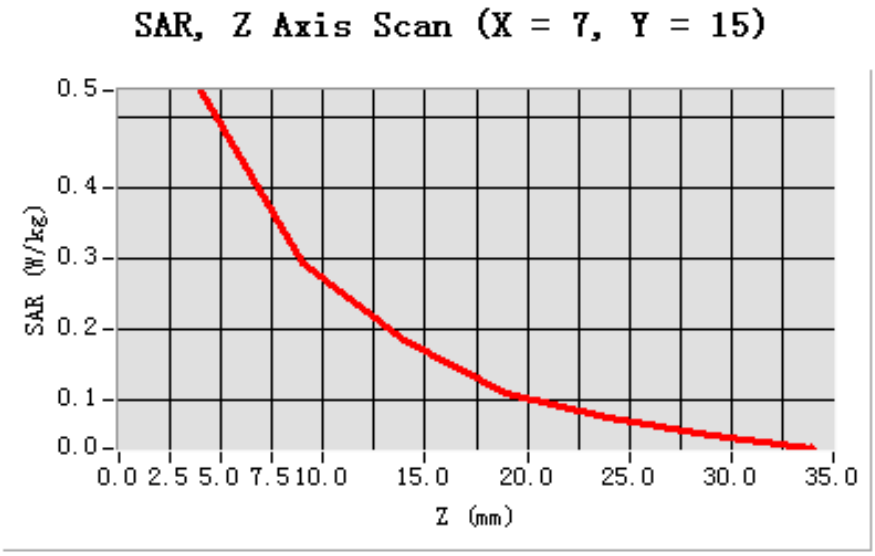
Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body Back
Band	GSM 850
Channels	Middle
Signal	TDMA (Crest factor: 8.0)

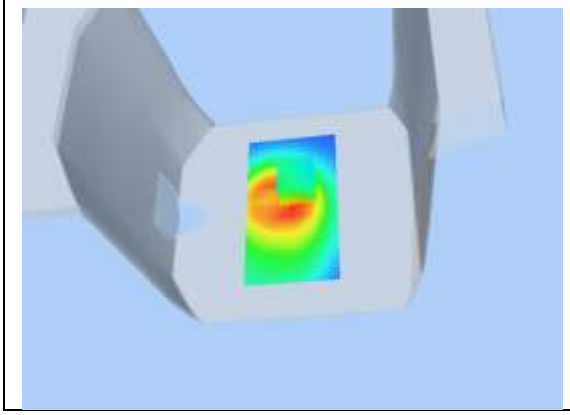
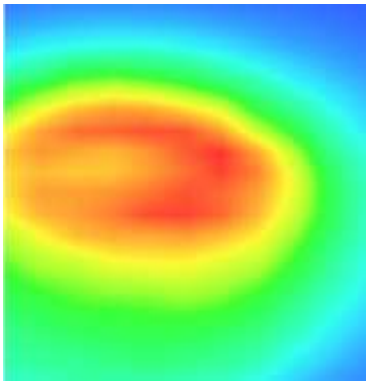
SURFACE SAR	VOLUME SAR
	

Maximum location: X=7.00, Y=15.00

SAR 10g (W/Kg)	0.353088
SAR 1g (W/Kg)	0.591866

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.5384	0.2946	0.1847	0.1100	0.0748	0.0490



3D screen shot	Hot spot position
	

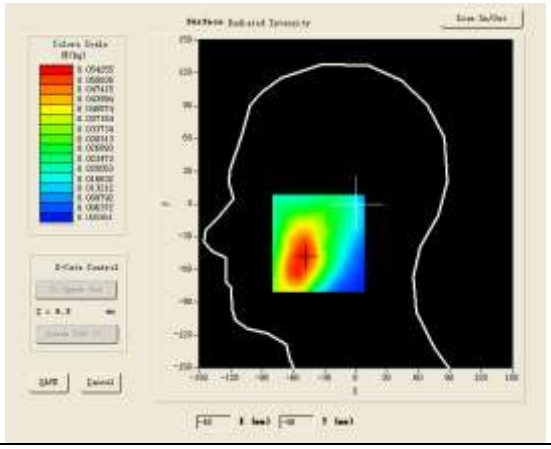
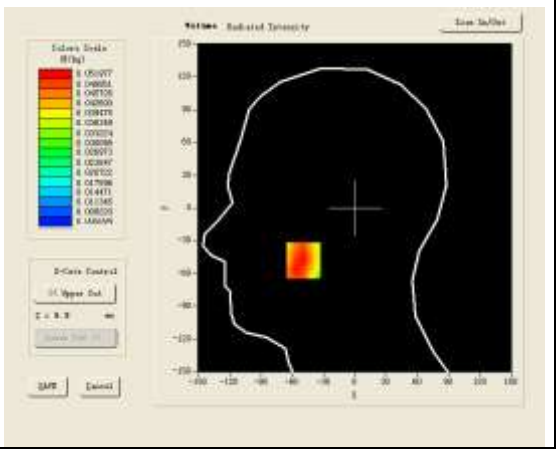
Test Laboratory: AGC Lab **Date: Oct. 22,2015**
GPRS 850 Mid-Touch-Left (2up)
DUT: Tablet PC; Type: UNIVERSAL

Communication System: GPRS-2 Slot; Communication System Band: GSM 850; Duty Cycle: 1:4.2; Conv.F=6.36
Frequency: 836.6 MHz; Medium parameters used: f = 835 MHz; σ=0.90 mho/m; εr =41.59; ρ= 1000 kg/m^3;
Phantom section: Left Section
Ambient temperature (℃): 22.5, Liquid temperature (℃): 22.3

SATIMO Configuration:
- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/GPRS 850 Mid-Touch-Left/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/GPRS 850 Mid-Touch-Left/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

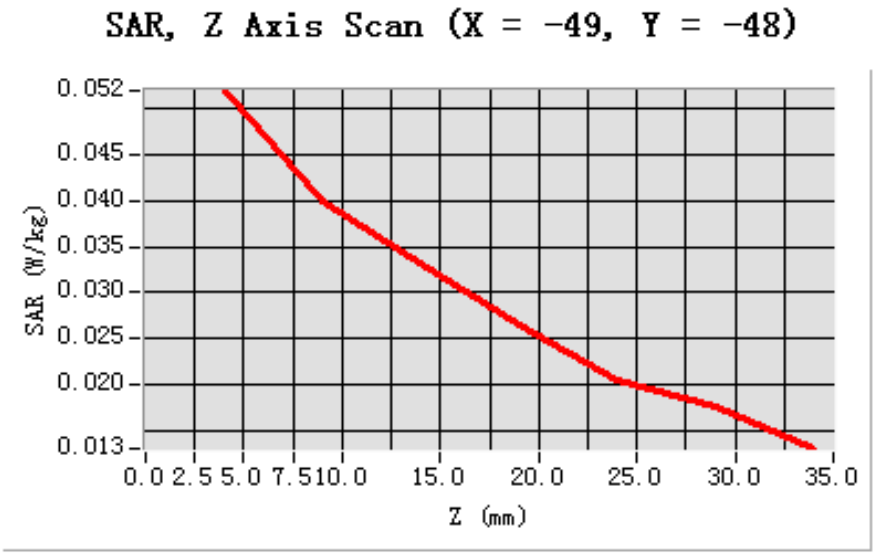
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Left head
Device Position	Cheek
Band	GSM 850
Channels	Middle
Signal	TDMA (Crest factor: 4.0)

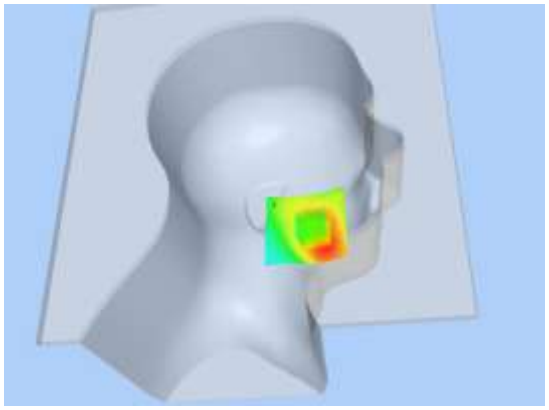
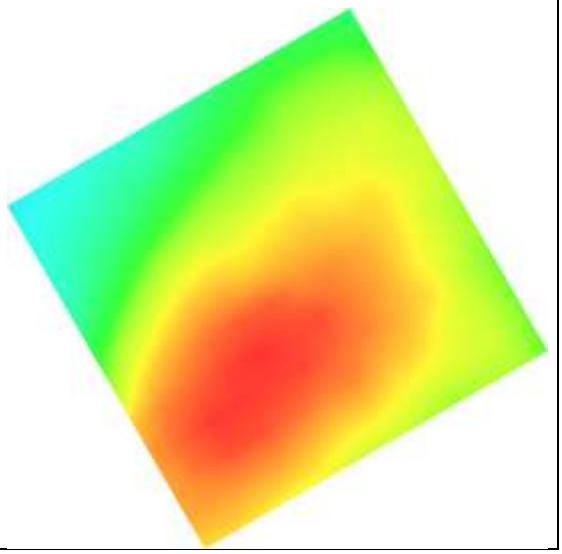
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-49.00, Y=-48.00

SAR 10g (W/Kg)	0.037226
SAR 1g (W/Kg)	0.050200

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.0520	0.0400	0.0332	0.0265	0.0204	0.0176



3D screen shot	Hot spot position
	

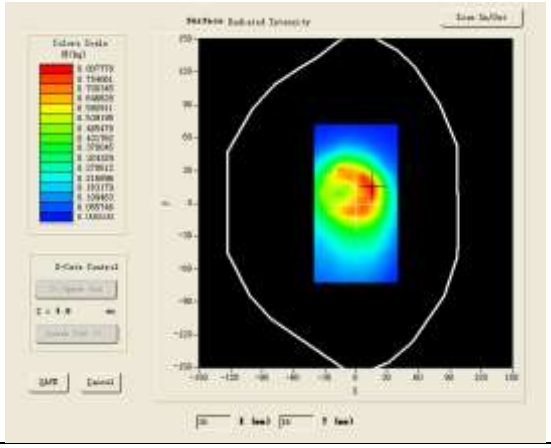
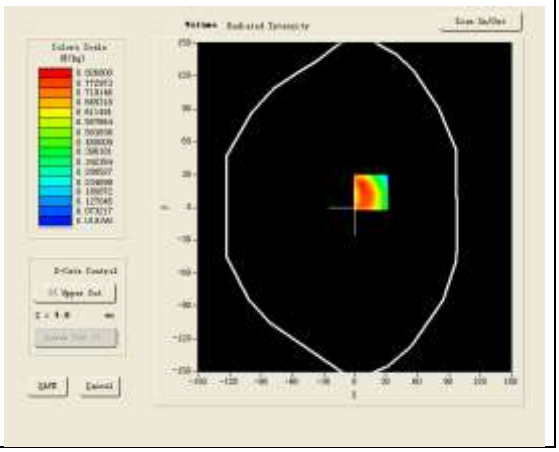
Test Laboratory: AGC Lab **Date: Oct. 22,2015**
GPRS 850 Mid- Body- Back (MS)<SIM 1>
DUT: Tablet PC; Type: UNIVERSAL

Communication System: GPRS-2 Slot; Communication System Band: GSM 850;; Duty Cycle: 1:4.2; Conv.F=6.56;
Frequency: 836.6 MHz; Medium parameters used: f = 835 MHz; σ= 0.97 mho/m; εr = 55.19; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section
Ambient temperature (℃): 22.5, Liquid temperature (℃): 22.3

SATIMO Configuration:
- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/GPRS 850 Mid-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/GPRS 850 Mid-Body-Back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

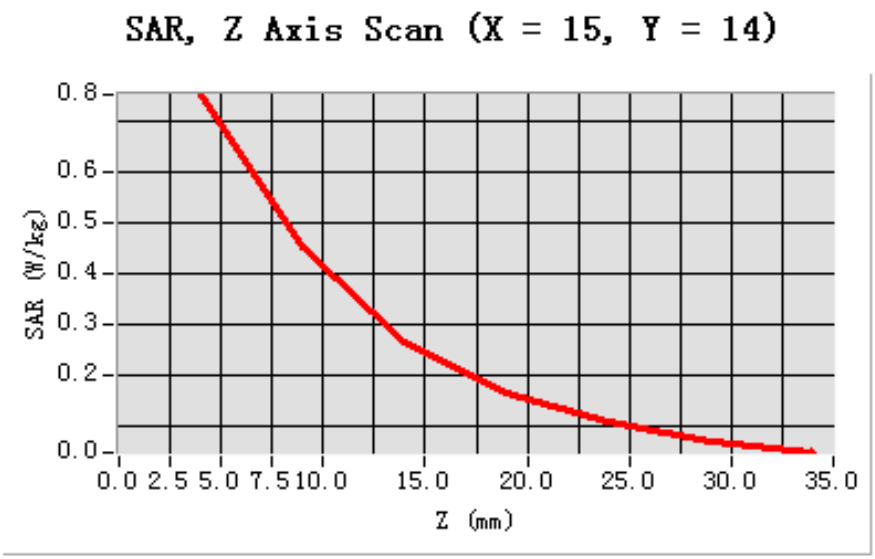
Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body Back
Band	GSM 850
Channels	Middle
Signal	TDMA (Crest factor: 4.0)

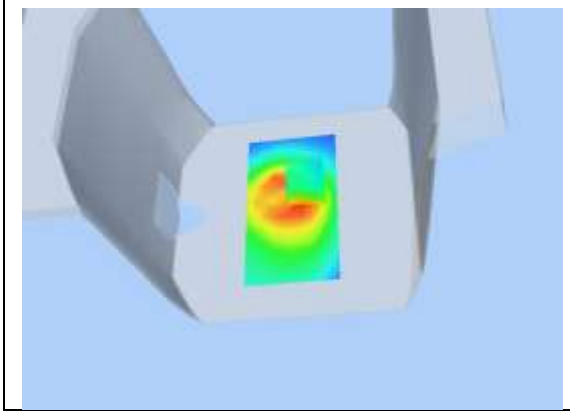
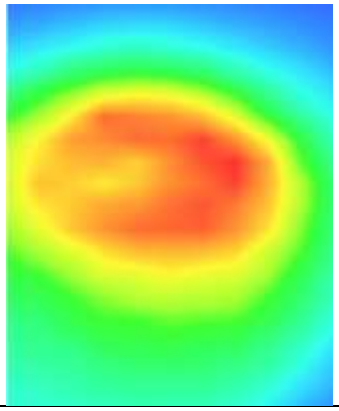
SURFACE SAR	VOLUME SAR
	

Maximum location: X=15.00, Y=14.00

SAR 10g (W/Kg)	0.489498
SAR 1g (W/Kg)	0.831159

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.7525	0.4508	0.2648	0.1639	0.1076	0.0686



3D screen shot	Hot spot position
	

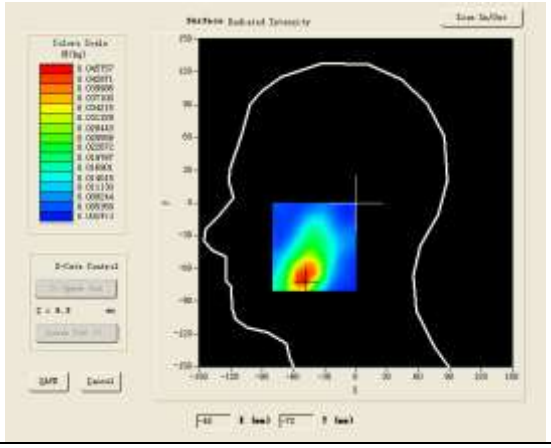
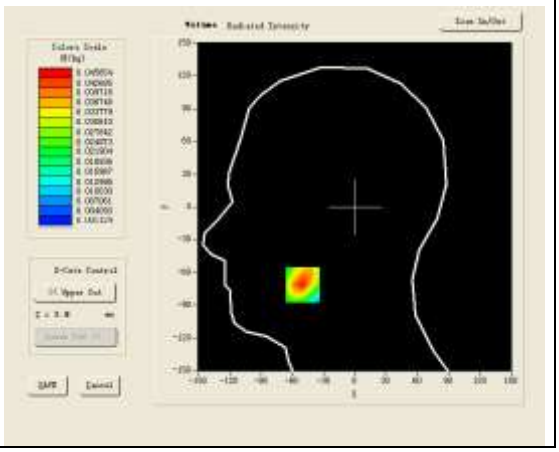
Test Laboratory: AGC Lab **Date: Oct. 26,2015**
PCS 1900 Mid-Touch-Right <SIM 1>
DUT: Tablet PC; Type: UNIVERSAL

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=5.40;
Frequency: 1880 MHz; Medium parameters used: f = 1900 MHz; σ= 1.40 mho/m; εr =39.90; ρ= 1000 kg/m^3 ;
Phantom section: Right Section
Ambient temperature (℃): 21.8, Liquid temperature (℃): 21.8

SATIMO Configuration:
- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/PCS1900 Mid-Touch-Right/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/PCS1900 Mid-Touch-Right/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

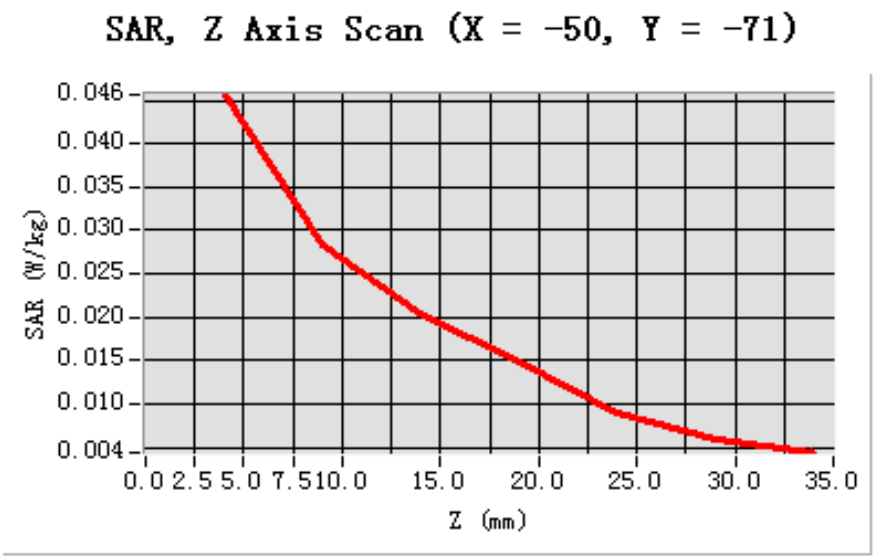
Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Right head
Device Position	Cheek
Band	PCS 1900
Channels	Middle
Signal	TDMA (Crest factor: 8.0)

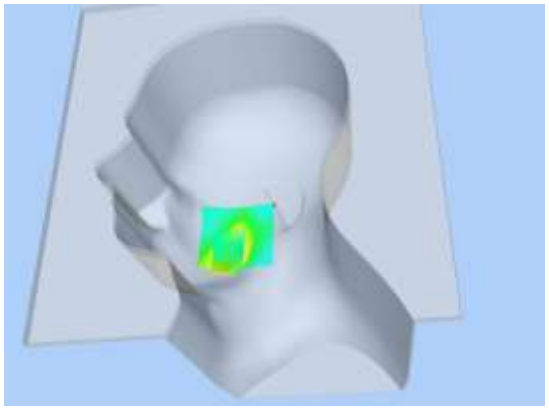
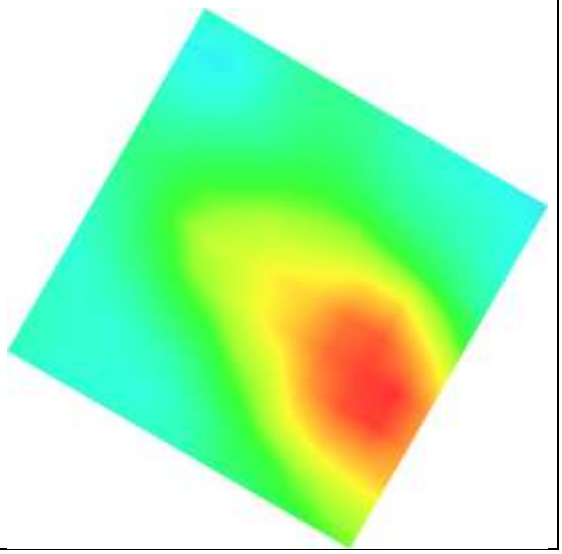
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-50.00, Y=-71.00

SAR 10g (W/Kg)	0.025635
SAR 1g (W/Kg)	0.043454

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.0457	0.0282	0.0203	0.0148	0.0090	0.0060



3D screen shot	Hot spot position
	

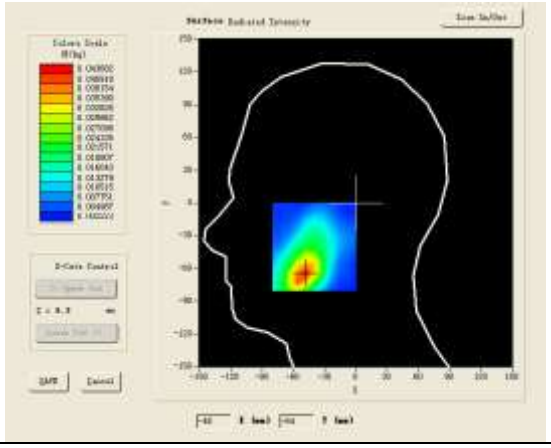
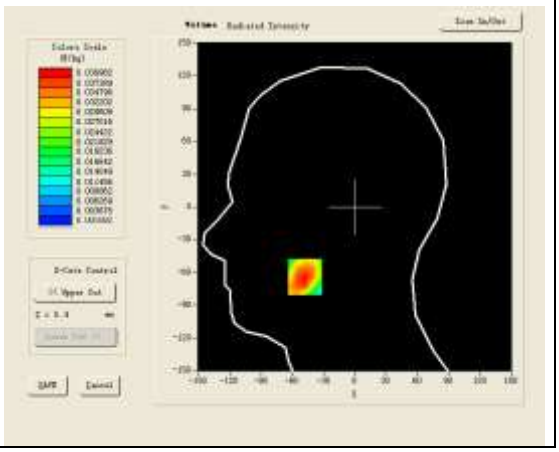
Test Laboratory: AGC Lab **Date: Oct. 26,2015**
PCS 1900 Mid-Touch-Right <SIM 2>
DUT: Tablet PC; Type: UNIVERSAL

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=5.40; Frequency: 1880 MHz; Medium parameters used: f = 1900 MHz; σ= 1.40 mho/m; εr =39.90; ρ= 1000 kg/m³ ; Phantom section: Right Section
Ambient temperature (℃): 21.8, Liquid temperature (℃): 21.8

SATIMO Configuration:
- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/PCS1900 Mid-Touch-Right/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/PCS1900 Mid-Touch-Right/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

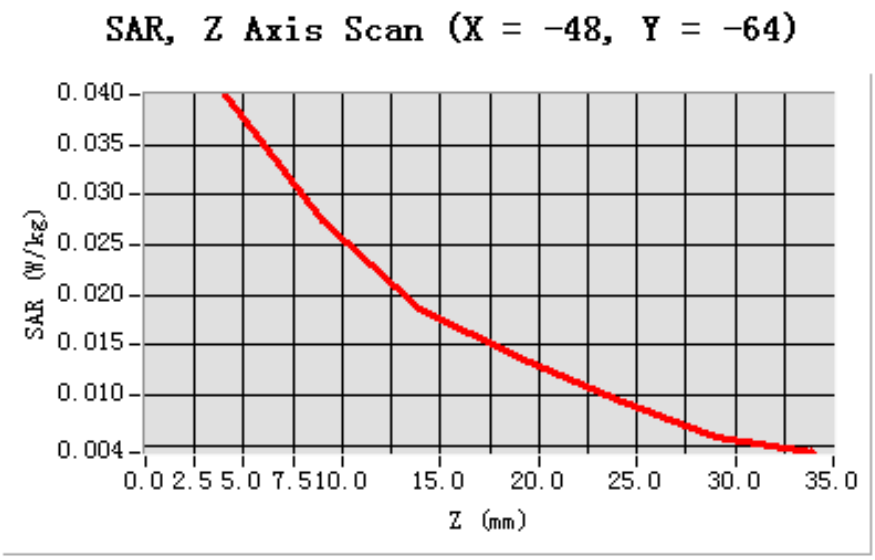
Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Right head
Device Position	Cheek
Band	PCS 1900
Channels	Middle
Signal	TDMA (Crest factor: 8.0)

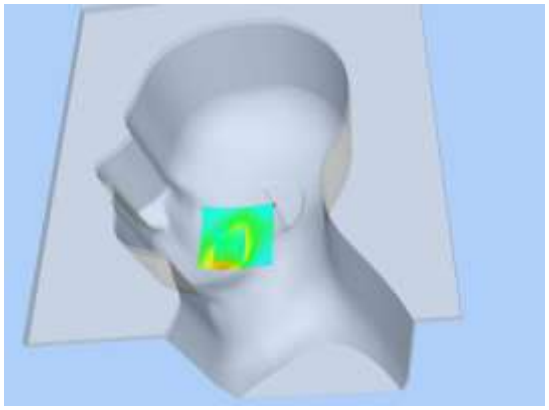
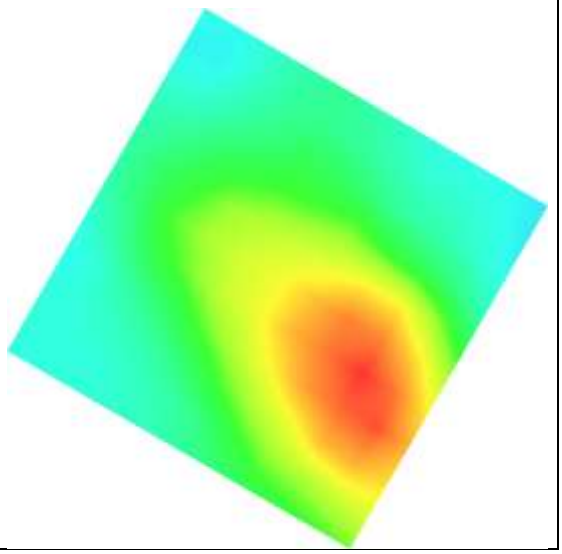
SURFACE SAR	**VOLUME SAR**
	

Maximum location: X=-48.00, Y=-64.00

SAR 10g (W/Kg)	0.023686
SAR 1g (W/Kg)	0.038684

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.0400	0.0274	0.0186	0.0138	0.0095	0.0059



3D screen shot	Hot spot position
	

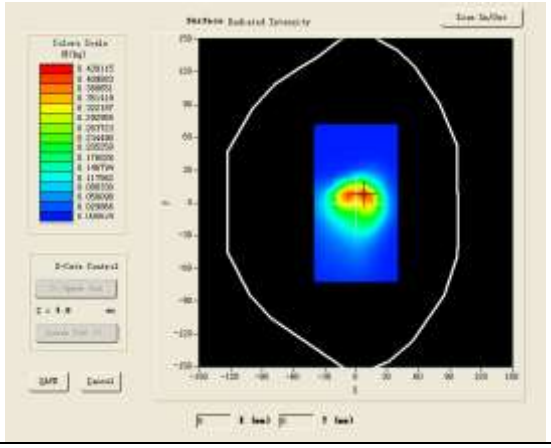
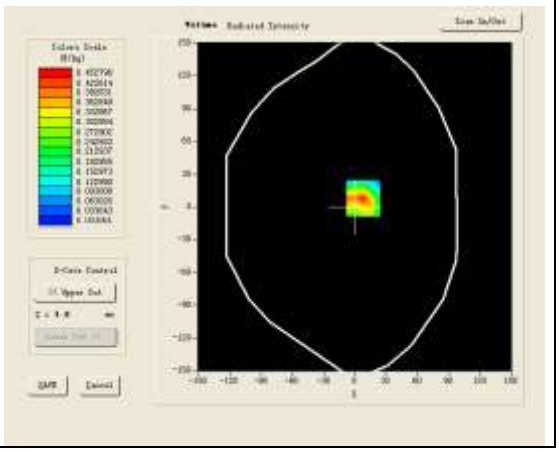
Test Laboratory: AGC Lab **Date: Oct. 26,2015**
PCS 1900 Mid-Body-Back (MS)<SIM 1>
DUT: Tablet PC; Type: UNIVERSAL

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=5.61; Frequency: 1880 MHz; Medium parameters used: f = 1900 MHz; σ= 1.52 mho/m; εr =53.69; ρ= 1000 kg/m^3 ; Phantom section: Flat Section
Ambient temperature (℃): 21.8, Liquid temperature (℃): 21.5

SATIMO Configuration:
- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/PCS1900 Mid-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/PCS1900 Mid-Body-Back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

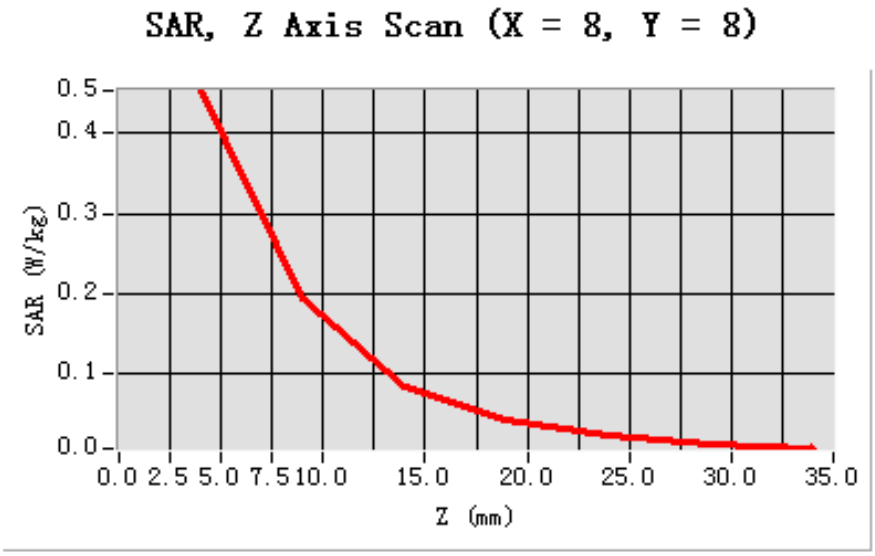
Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body Back
Band	PCS 1900
Channels	Middle
Signal	TDMA (Crest factor: 8.0)

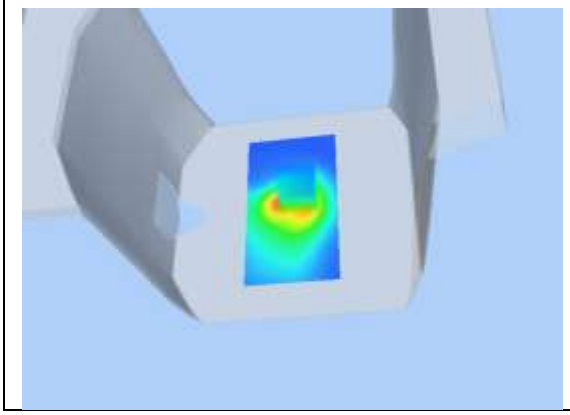
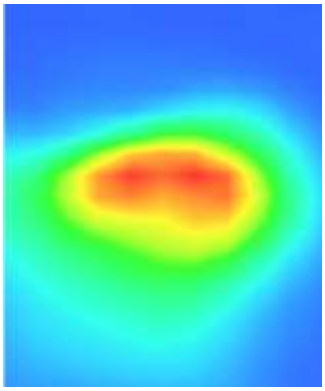
SURFACE SAR	VOLUME SAR
	

Maximum location: X=8.00, Y=8.00

SAR 10g (W/Kg)	0.223846
SAR 1g (W/Kg)	0.455025

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.4528	0.1930	0.0830	0.0435	0.0236	0.0125



3D screen shot	Hot spot position
	

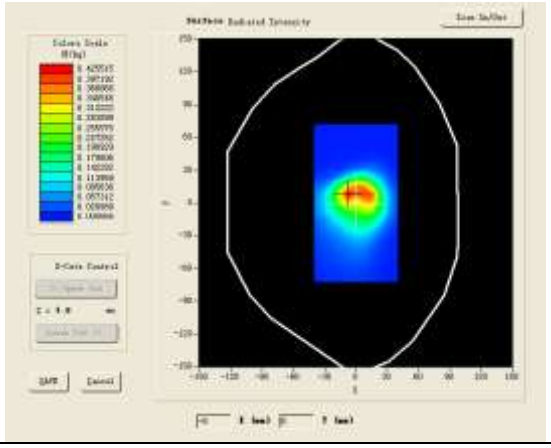
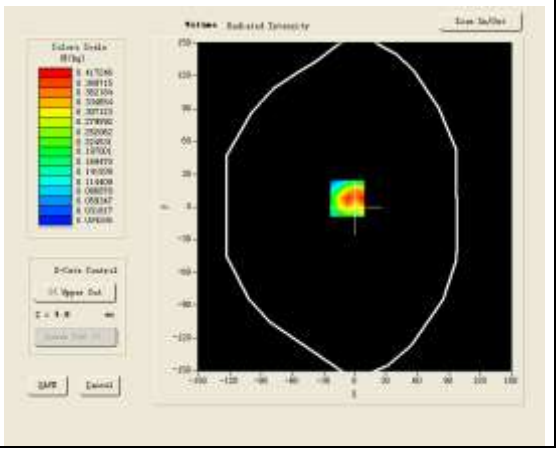
Test Laboratory: AGC Lab **Date: Oct. 26,2015**
PCS 1900 Mid-Body-Back (MS)<SIM 2>
DUT: Tablet PC; Type: UNIVERSAL

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=5.61;
Frequency: 1880 MHz; Medium parameters used: f = 1900 MHz; σ= 1.52 mho/m; εr =53.69; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section
Ambient temperature (℃): 21.8, Liquid temperature (℃): 21.5

SATIMO Configuration:
- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/PCS1900 Mid-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/PCS1900 Mid-Body-Back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

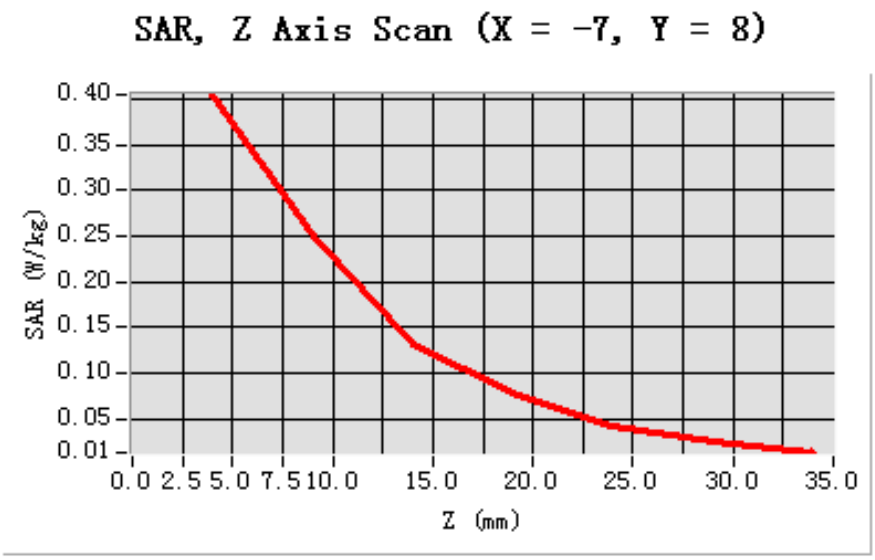
Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body Back
Band	PCS 1900
Channels	Middle
Signal	TDMA (Crest factor: 8.0)

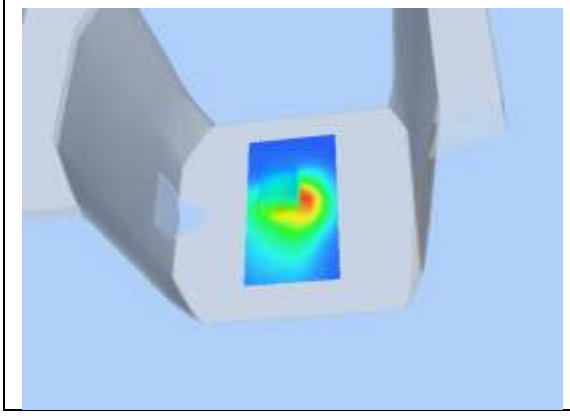
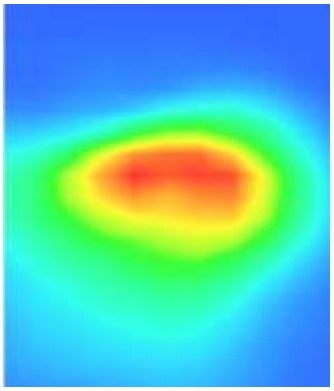
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-7.00, Y=8.00

SAR 10g (W/Kg)	0.229650
SAR 1g (W/Kg)	0.431606

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.4045	0.2489	0.1329	0.0795	0.0421	0.0252



3D screen shot	Hot spot position
	

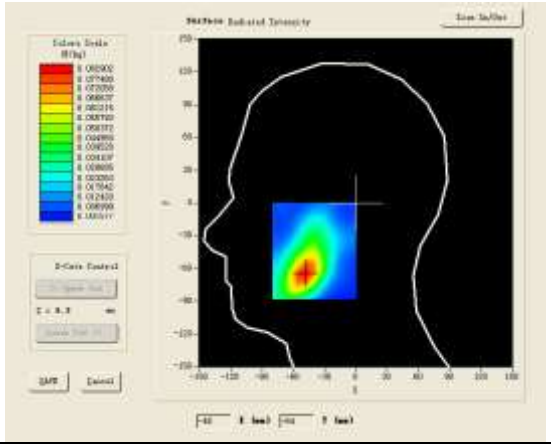
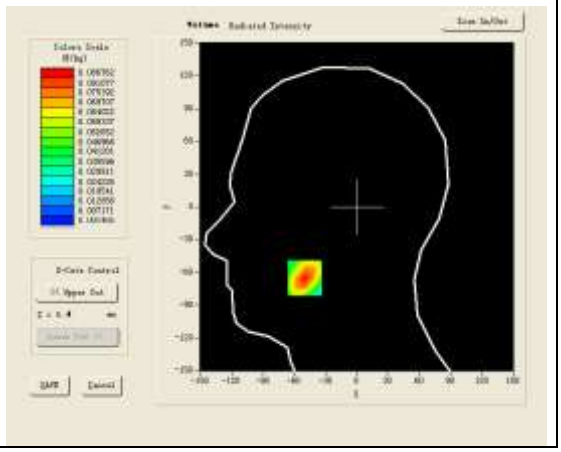
Test Laboratory: AGC Lab **Date: Oct. 26,2015**
GPRS1900 Mid-Touch-Right (2up)
DUT: Tablet PC; Type: UNIVERSAL

Communication System: GPRS-2Slot; Communication System Band: PCS 1900; Duty Cycle: 1:4.2; Conv.F=5.40;
Frequency: 1880 MHz; Medium parameters used: f = 1900 MHz; σ= 1.40 mho/m; εr =39.90; ρ= 1000 kg/m³ ;
Phantom section: Right Section
Ambient temperature (℃): 21.8, Liquid temperature (℃): 22.3

SATIMO Configuration:
- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/GPRS1900 Mid-Touch-Right/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/GPRS1900 Mid-Touch-Right/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

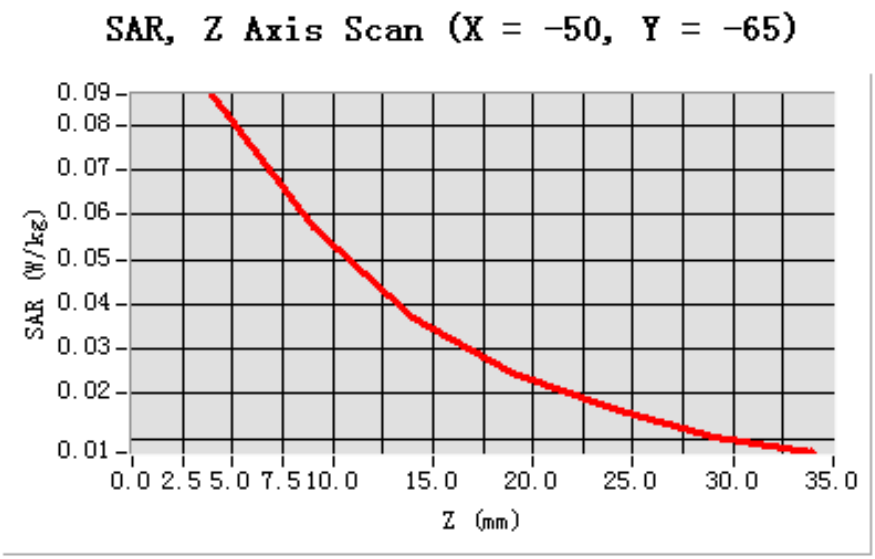
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Right head
Device Position	Cheek
Band	PCS 1900
Channels	Middle
Signal	TDMA (Crest factor: 4.0)

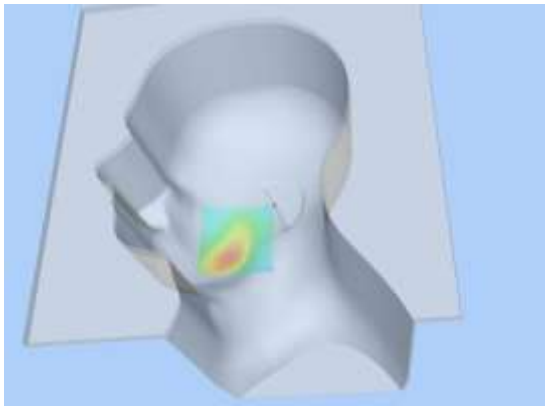
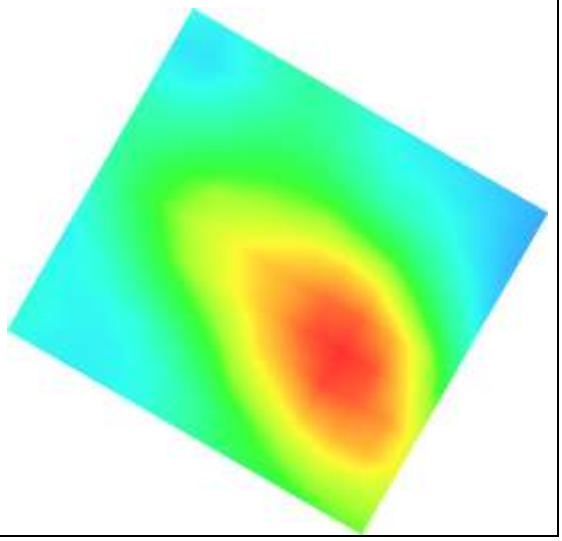
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-50.00, Y=-65.00

SAR 10g (W/Kg)	0.047928
SAR 1g (W/Kg)	0.081834

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.0868	0.0570	0.0370	0.0244	0.0166	0.0103



3D screen shot	Hot spot position
	

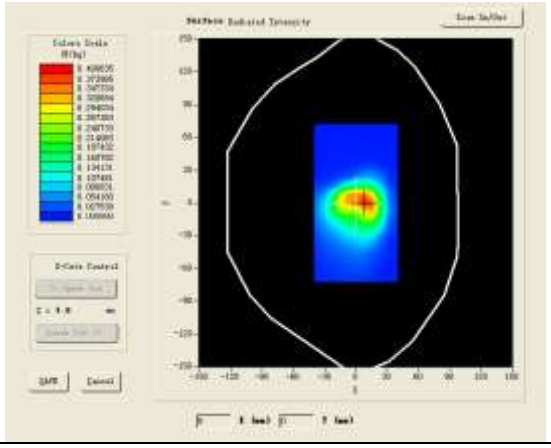
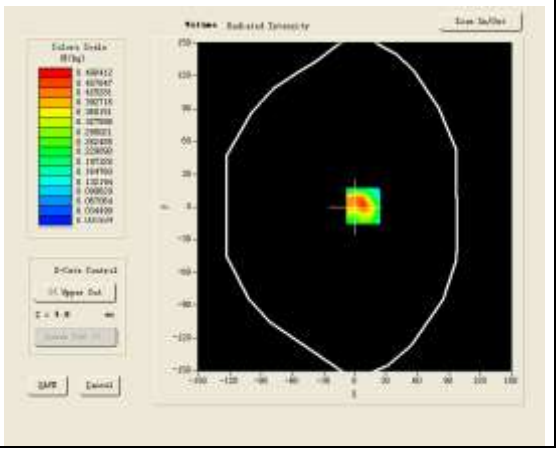
Test Laboratory: AGC Lab **Date: Oct. 26,2015**
GPRS 1900 Mid-Body-Back (2up)
DUT: Tablet PC; Type: UNIVERSAL

Communication System: GPRS-2Slot; Communication System Band: PCS 1900; Duty Cycle: 1:4.2; Conv.F=5.61; Frequency: 1880 MHz; Medium parameters used: f = 1900 MHz; σ= 1.52 mho/m; εr =53.69; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃): 21.8, Liquid temperature (℃): 22.3

SATIMO Configuration:
- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/GPRS1900 Mid-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/GPRS1900 Mid-Body-Back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

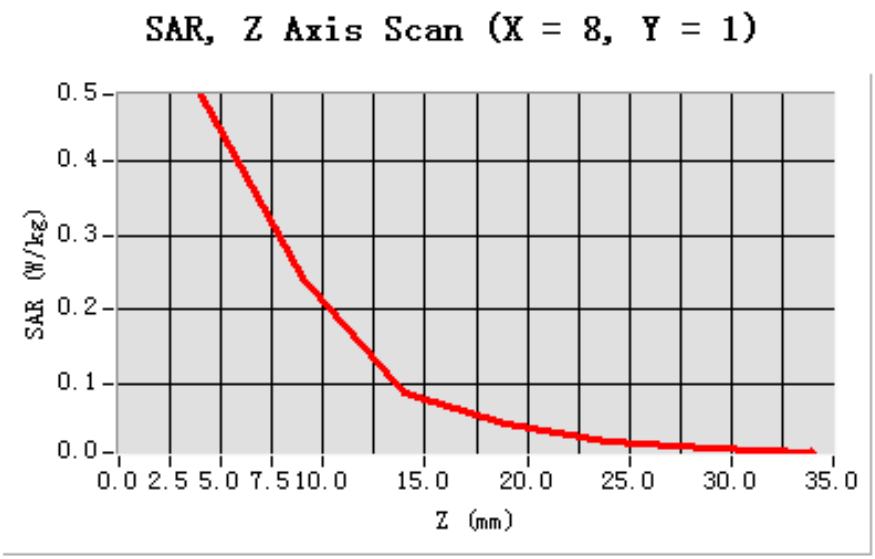
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body Back
Band	PCS 1900
Channels	Middle
Signal	TDMA (Crest factor: 4.0)

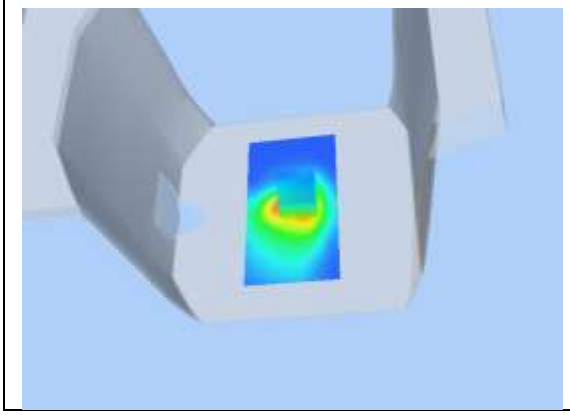
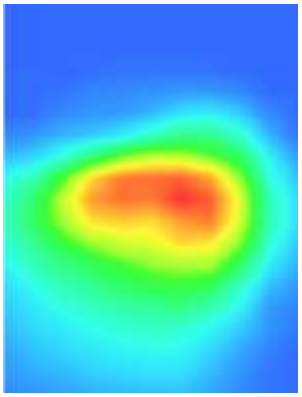
SURFACE SAR	VOLUME SAR
	

Maximum location: X=8.00, Y=1.00

SAR 10g (W/Kg)	0.218248
SAR 1g (W/Kg)	0.457192

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.4904	0.2425	0.0866	0.0454	0.0223	0.0106



3D screen shot	Hot spot position
	

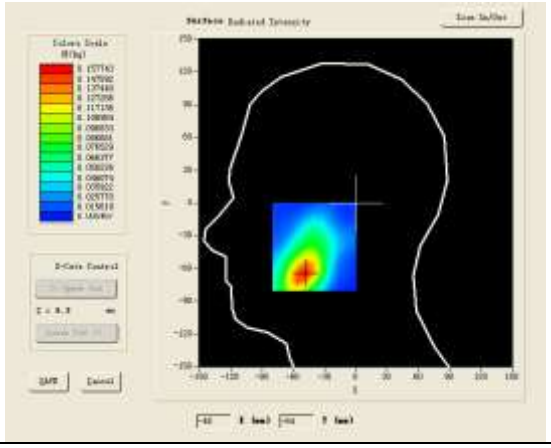
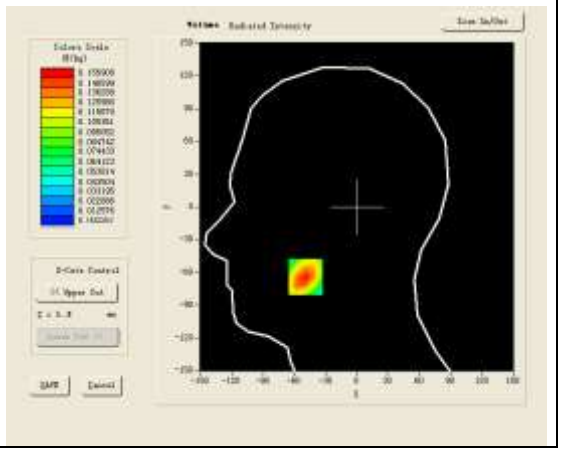
Test Laboratory: AGC Lab **Date: Oct. 26,2015**
WCDMA Band Ⅱ Mid-Touch-Right (RMC)
DUT: Tablet PC; Type: UNIVERSAL

Communication System: UMTS; Communication System Band: Band Ⅱ UTRA/FDD ;Duty Cycle:1:1; Conv.F=5.40;
Frequency: 1880 MHz; Medium parameters used: f = 1900 MHz; σ= 1.40 mho/m; εr =39.90; ρ= 1000 kg/m³ ;
Phantom section: Right Section
Ambient temperature (℃): 21.8, Liquid temperature (℃): 21.8

SATIMO Configuration:
- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/WCDMA band Ⅱ Mid-Touch-Right/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/WCDMA band Ⅱ Mid-Touch-Right/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

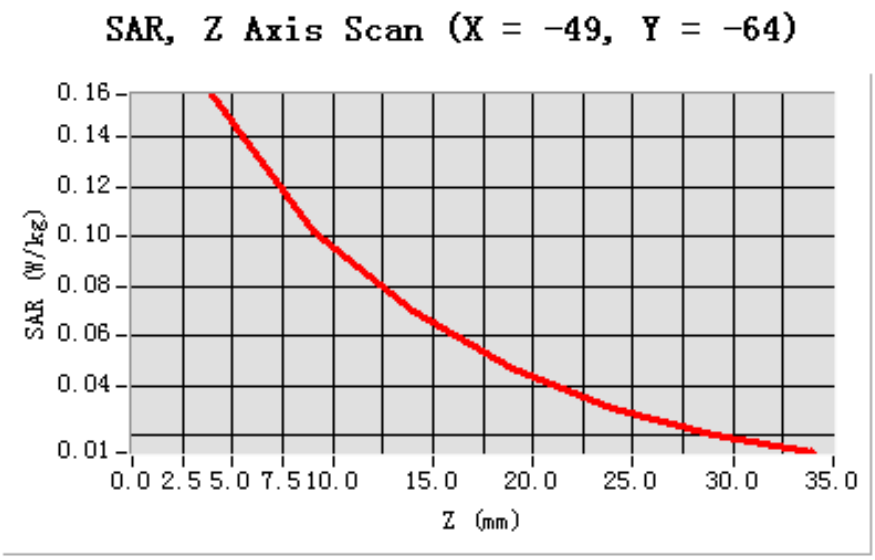
Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Right head
Device Position	Cheek
Band	WCDMA band Ⅱ
Channels	Middle
Signal	CDMA (Crest factor: 1.0)

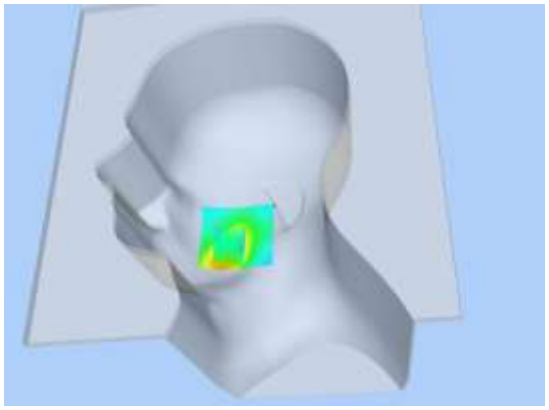
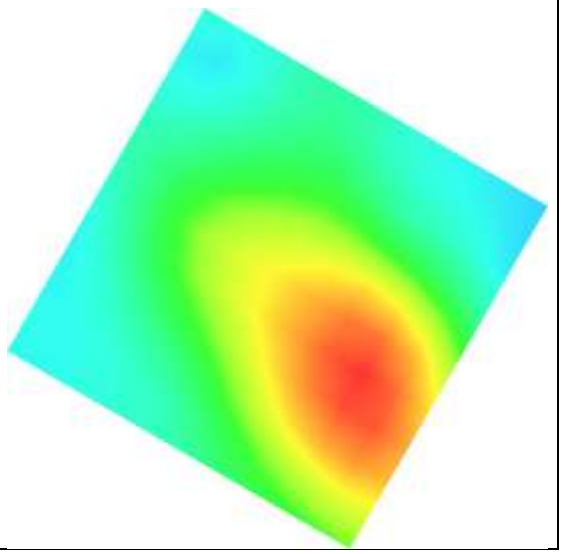
SURFACE SAR	**VOLUME SAR**
	

Maximum location: X=-49.00, Y=-64.00

SAR 10g (W/Kg)	0.089318
SAR 1g (W/Kg)	0.149762

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.1569	0.1018	0.0699	0.0467	0.0312	0.0205



3D screen shot	Hot spot position
	

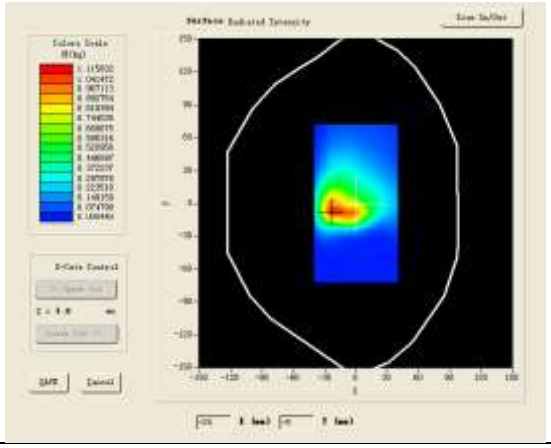
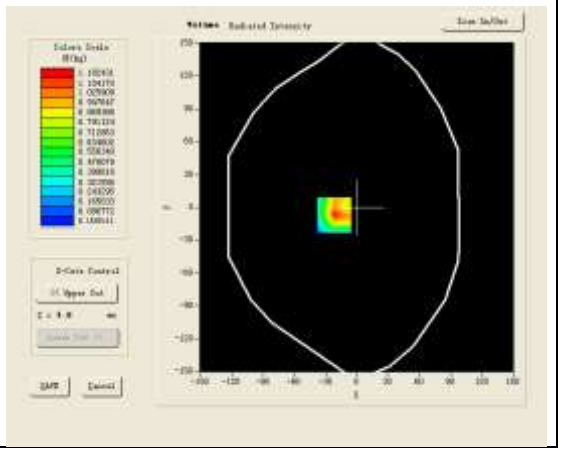
Test Laboratory: AGC Lab **Date: Oct. 26,2015**
WCDMA Band Ⅱ Low-Body-Towards Grounds (RMC 12.2kbps)
DUT: Tablet PC; Type: UNIVERSAL

Communication System: UMTS; Communication System Band: Band Ⅱ UTRA/FDD ;Duty Cycle:1:1; Conv.F=5.61; Frequency: 1852.4 MHz; Medium parameters used: f = 1900 MHz; σ=1.49 mho/m; εr =54.00; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃): 21.8, Liquid temperature (℃): 21.5

SATIMO Configuration:
- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/ WCDMA band Ⅱ Low-Body-back/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ WCDMA band Ⅱ Low-Body-back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5m;

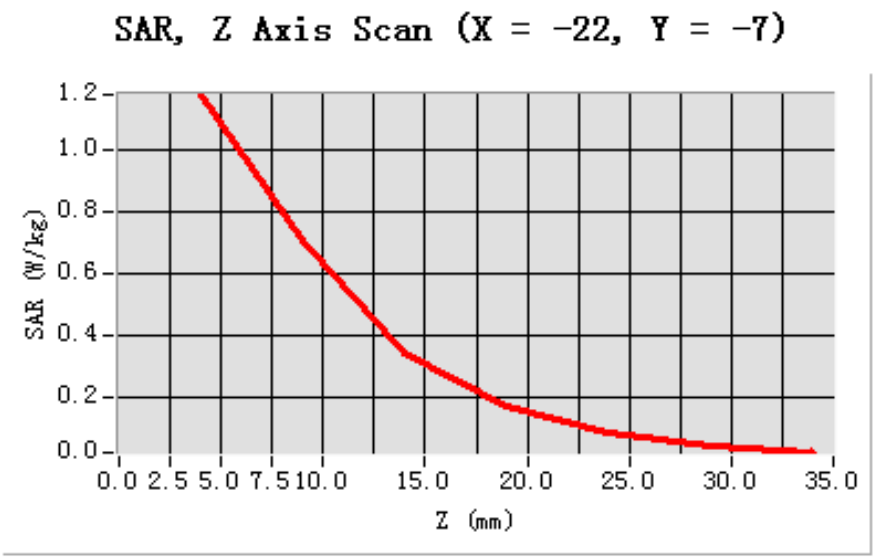
Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body Back
Band	WCDMA band Ⅱ
Channels	Low
Signal	CDMA (Crest factor: 1.0)

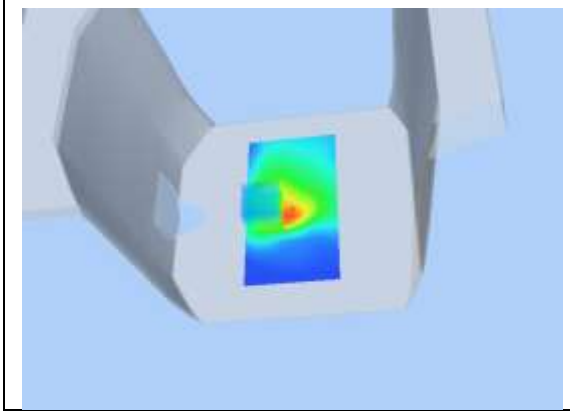
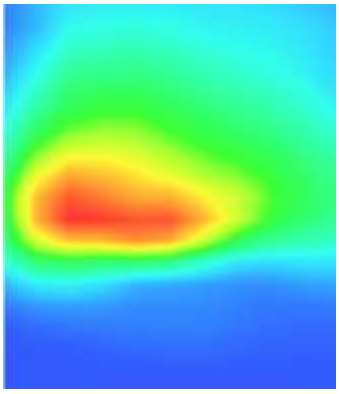
SURFACE SAR	**VOLUME SAR**
	

Maximum location: X=-22.00, Y=-7.00

SAR 10g (W/Kg)	0.623397
SAR 1g (W/Kg)	1.128178

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	1.1824	0.7130	0.3420	0.1710	0.0867	0.0451



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Oct. 22,2015**

WCDMA Band Ⅴ Mid-Tilt-Right (RMC)

DUT: Tablet PC; Type: UNIVERSAL

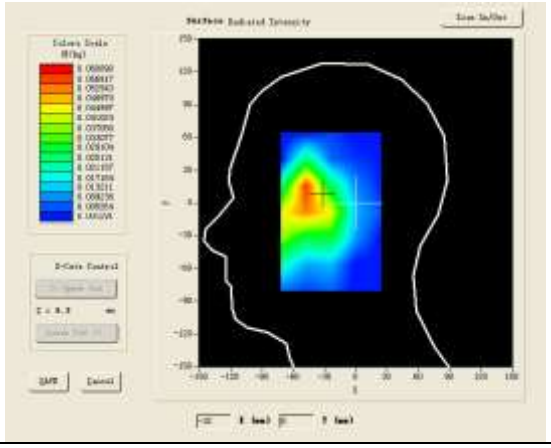
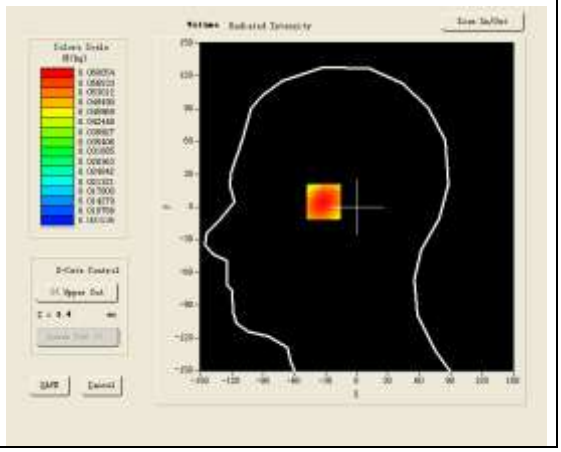
Communication System: UMTS; Communication System Band: BAND Ⅴ UTRA/FDD ; Duty Cycle:1: 1; Conv.F=6.36;
Frequency: 836.6 MHz; Medium parameters used: f = 835MHz; σ=0.90 mho/m; εr =41.59; ρ= 1000 kg/m³ ;
Phantom section: Right Section
Ambient temperature (℃): 22.5, Liquid temperature (℃): 22.3

SATIMO Configuration:

- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/ WCDMA Band Ⅴ Mid-Tilt-Right/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ WCDMA Band Ⅴ Mid-Tilt-Right/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

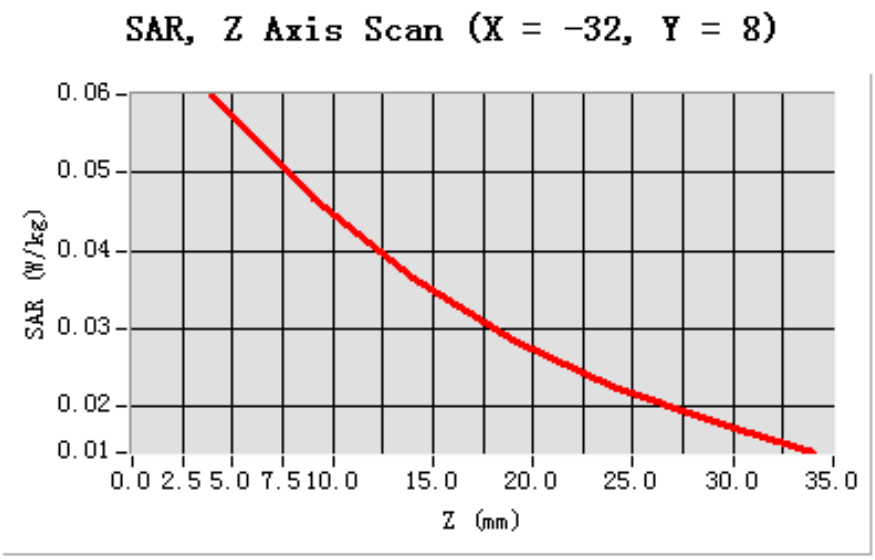
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Right head
Device Position	Tilt
Band	WCDMA Band Ⅴ
Channels	Middle
Signal	CDMA (Crest factor: 1.0)

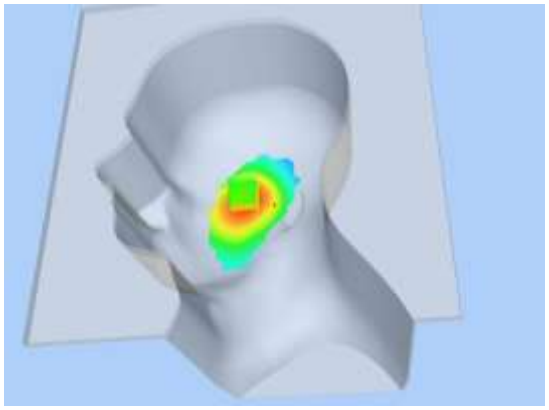
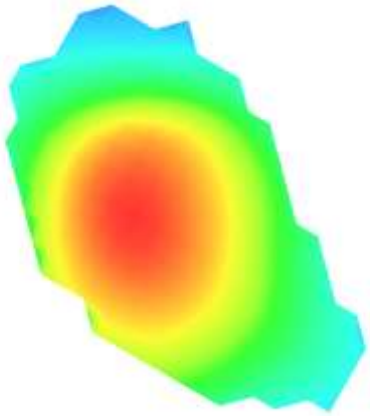
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-32.00, Y=8.00

SAR 10g (W/Kg)	0.043122
SAR 1g (W/Kg)	0.058070

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.0601	0.0469	0.0366	0.0287	0.0226	0.0180



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Oct. 22,2015**

WCDMA Band Ⅴ Mid- Edge 3 (RMC)

DUT: Tablet PC; Type: UNIVERSAL

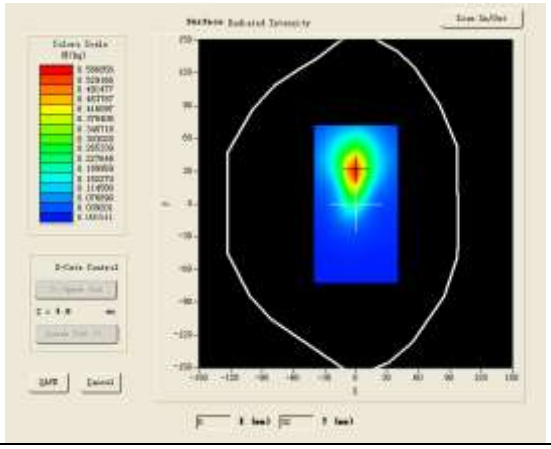
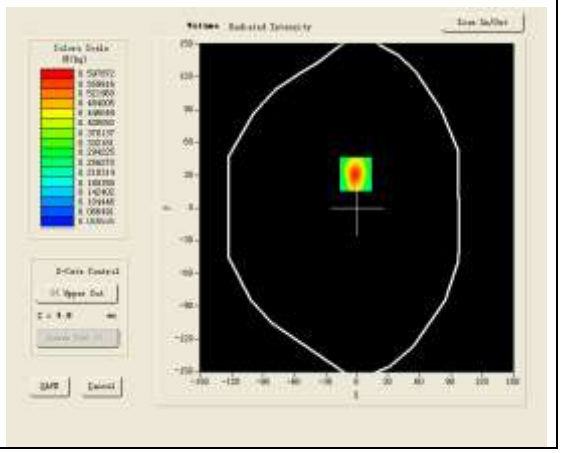
Communication System: UMTS; Communication System Band: BAND Ⅴ UTRA/FDD ; Duty Cycle:1: 1; Conv.F=6.56
Frequency: 836.6 MHz; Medium parameters used: f = 835MHz;σ=0.97 mho/m; εr =55.19; ρ= 1000kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃): 22.5, Liquid temperature (℃): TTPPB

SATIMO Configuration:

- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/ WCDMA Band Ⅴ Mid- Edge 3 /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ WCDMA Band Ⅴ Mid- Edge 3 /Zoom Scan: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

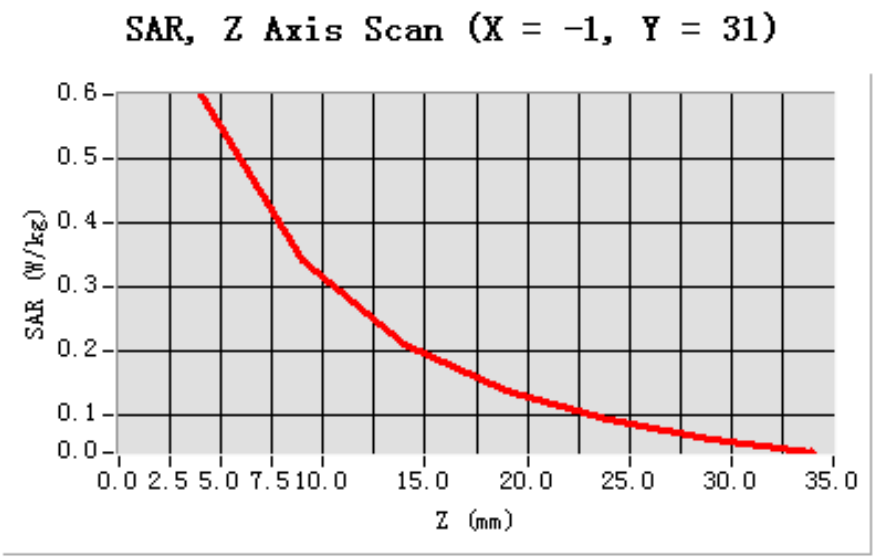
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Edge 3
Band	WCDMA Band Ⅴ
Channels	Middle
Signal	CDMA (Crest factor: 1.0)

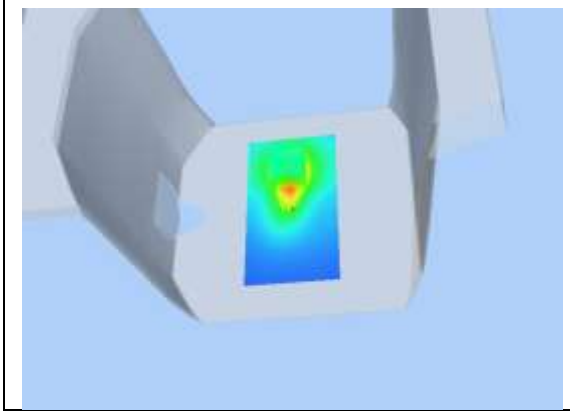
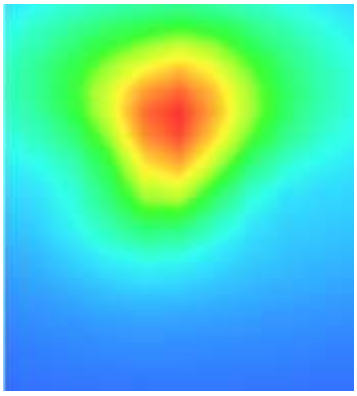
SURFACE SAR	**VOLUME SAR**
	

Maximum location: X=-1.00, Y=31.00

SAR 10g (W/Kg)	0.325183
SAR 1g (W/Kg)	0.593923

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.5979	0.3394	0.2114	0.1375	0.0924	0.0620



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Oct. 31,2015**

LTE Band Ⅳ Mid-Touch-Right (1 RB#99)

DUT: Tablet PC; Type: UNIVERSAL

Communication System: LTE; Communication System Band: LTE Band Ⅳ; Duty Cycle: 1:1; Conv.F=4.77; Frequency:1732.5MHz; Medium parameters used: f =1750 MHz; σ= 0.88 mho/m; εr = 40.76; ρ= 1000 kg/m³ ; Phantom section:Right Section
Ambient temperature (℃): 21.9, Liquid temperature (℃): 21.4

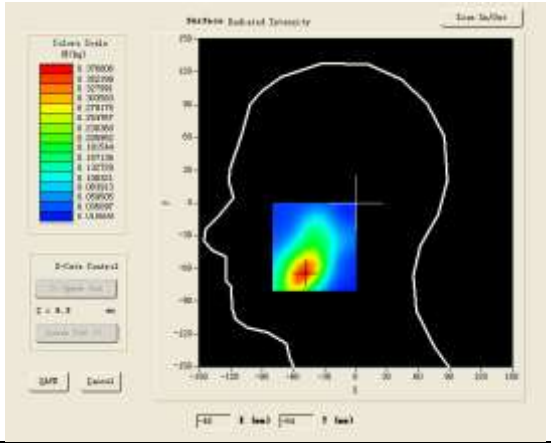
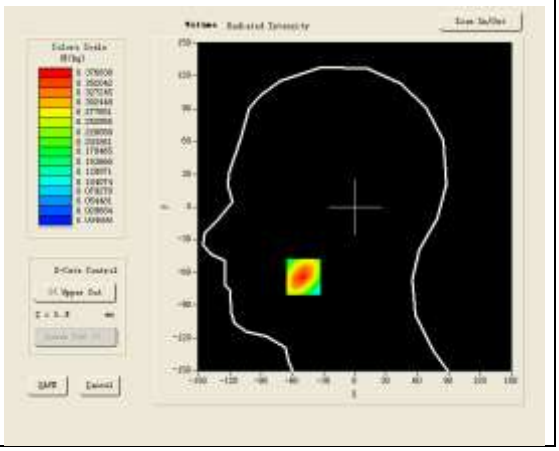
SATIMO Configuration:

- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/ LTE Band Ⅳ Mid- Touch- Right /Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/ LTE Band Ⅳ Mid- Touch- Right /Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

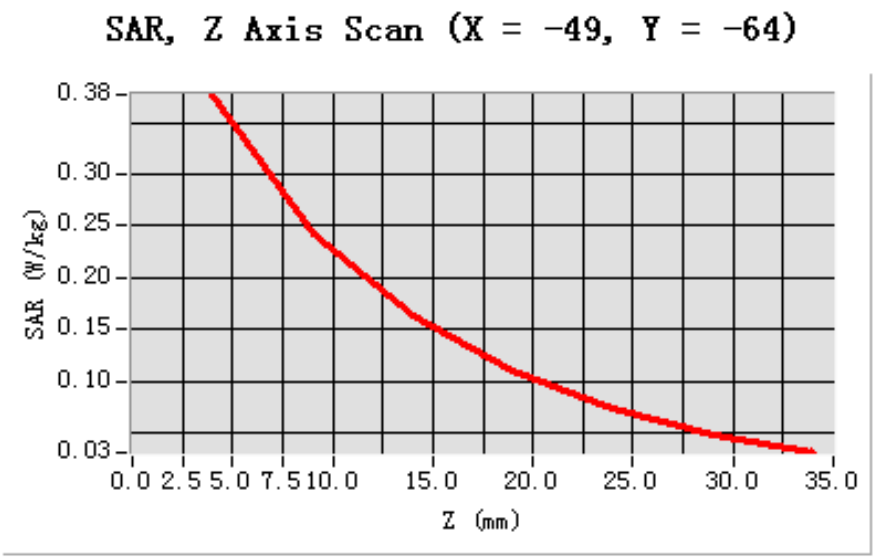
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE Band Ⅳ
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

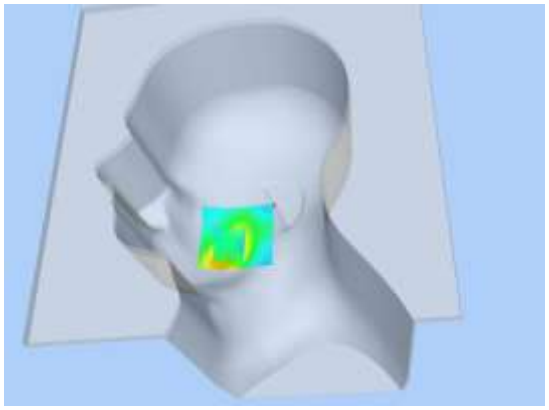
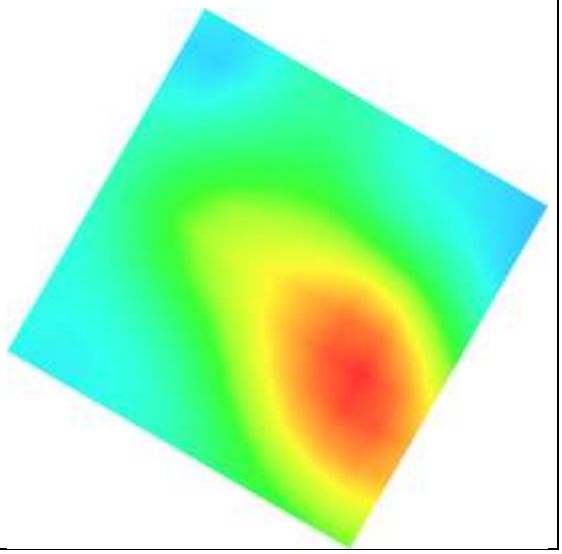
SURFACE SAR	**VOLUME SAR**
	

Maximum location: X=-49.00, Y=-64.00

SAR 10g (W/Kg)	0.213558
SAR 1g (W/Kg)	0.358409

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.3768	0.2424	0.1637	0.1098	0.0729	0.0486



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Oct. 31,2015**

LTE Band Ⅳ Low- Edge2 (1RB#0)

DUT: Tablet PC; Type: UNIVERSAL

Communication System: LTE; Communication System Band: LTE Band Ⅳ; Duty Cycle: 1:1; Conv.F=4.91; Frequency:1720.0 MHz; Medium parameters used: f = 1750 MHz; σ= 1.45 mho/m; εr =54.61; ρ= 1000 kg/m^3 ; Phantom section: Flat Section
Ambient temperature (℃): 21.9, Liquid temperature (℃): 21.7

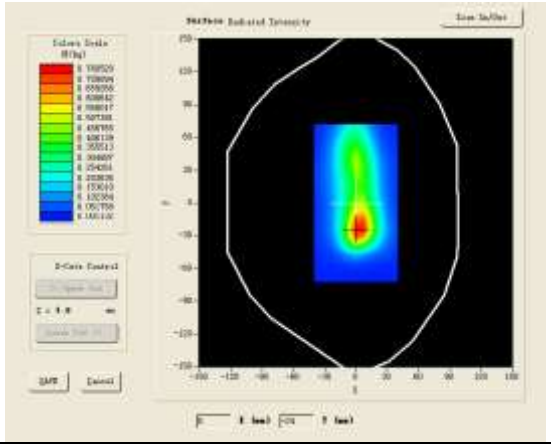
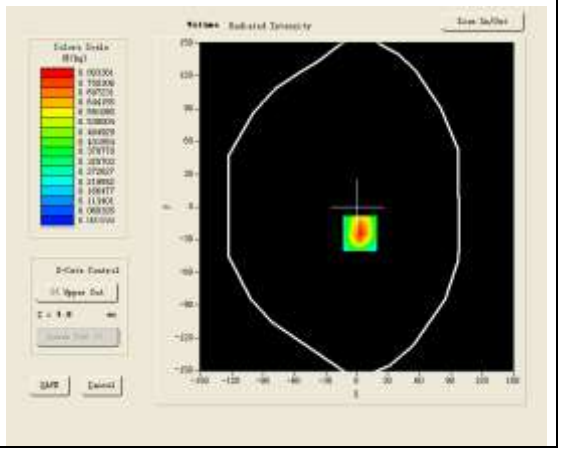
SATIMO Configuration:

- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/ LTE Band Ⅳ Low-Edge2 /Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/ LTE Band Ⅳ Low- Edge2 /Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5m;

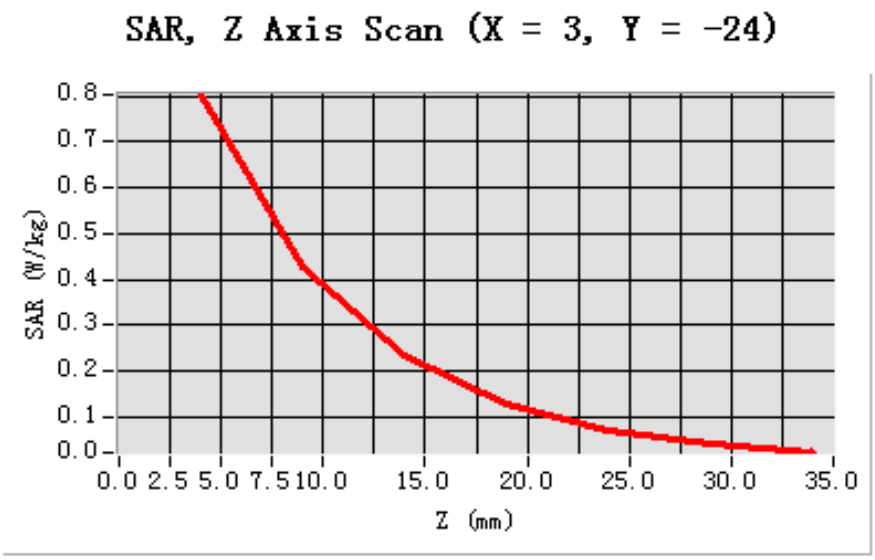
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Horizontal
Band	LTE Band Ⅳ
Channels	Low
Signal	OFDM (Crest factor: 1.0)

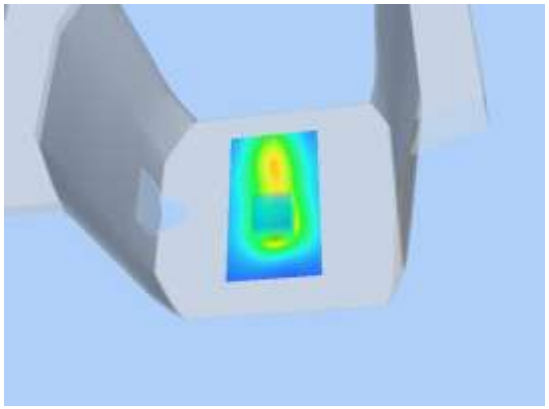
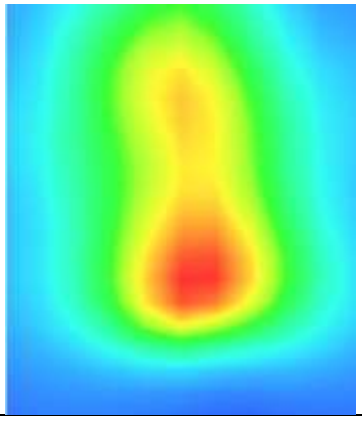
SURFACE SAR	VOLUME SAR
	

Maximum location: X=3.00, Y=-24.00

SAR 10g (W/Kg)	0.383659
SAR 1g (W/Kg)	0.756547

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.8034	0.4271	0.2318	0.1261	0.0691	0.0388



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Oct. 31,2015**

LTE Band Ⅳ High-Body-Edge2 (1 RB#99)

DUT: Tablet PC; Type: UNIVERSAL

Communication System: LTE; Communication System Band: LTE Band Ⅳ; Duty Cycle: 1:1; Conv.F=4.91; Frequency:1745.0MHz; Medium parameters used: f = 1750 MHz; σ= 1.50 mho/m; εr =53.86; ρ= 1000 kg/m³ ; Phantom section: Flat Section
Ambient temperature (℃): 21.9, Liquid temperature (℃): 21.7

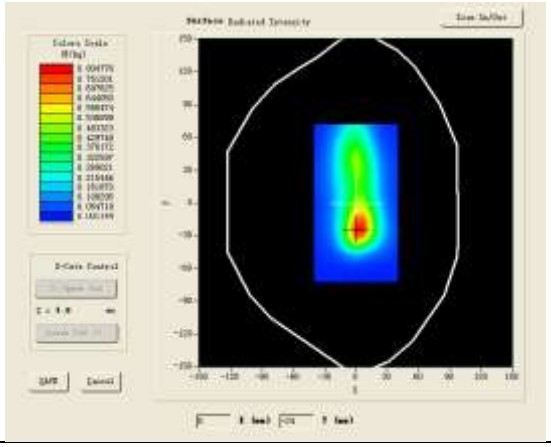
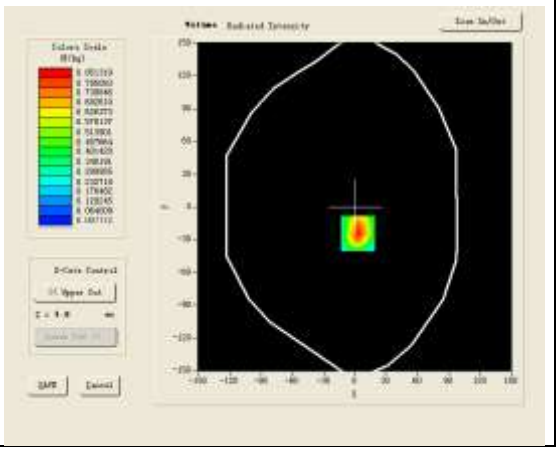
SATIMO Configuration:

- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/ LTE Band Ⅳ High-Edge 2/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/ LTE Band Ⅳ High- Edge 2 /Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5m;

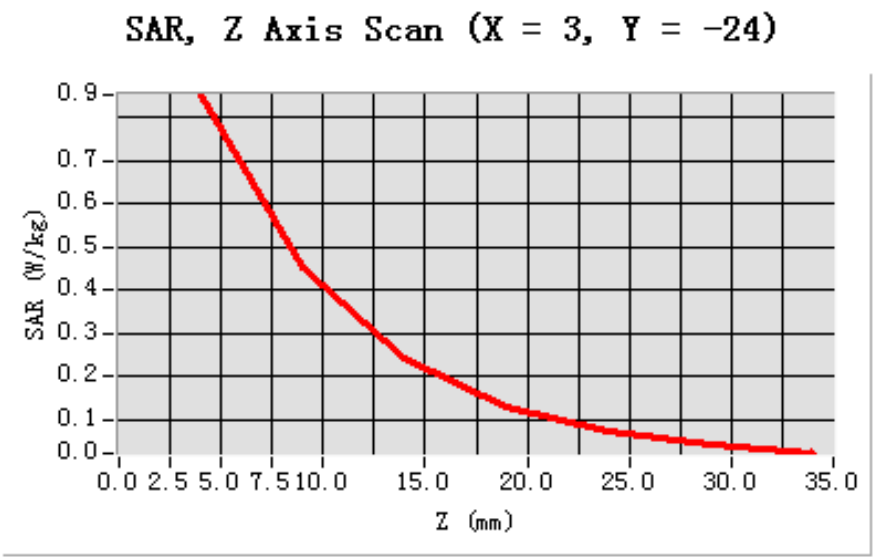
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Horizontal
Band	LTE Band Ⅳ
Channels	High
Signal	OFDM (Crest factor: 1.0)

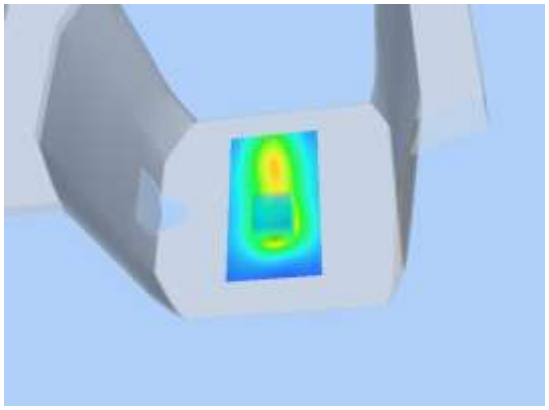
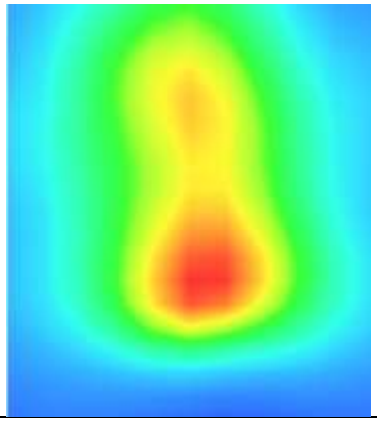
SURFACE SAR	VOLUME SAR
	

Maximum location: X=3.00, Y=-24.00

SAR 10g (W/Kg)	0.405086
SAR 1g (W/Kg)	0.800775

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.8513	0.4496	0.2437	0.1322	0.0728	0.0403



3D screen shot	Hot spot position
	

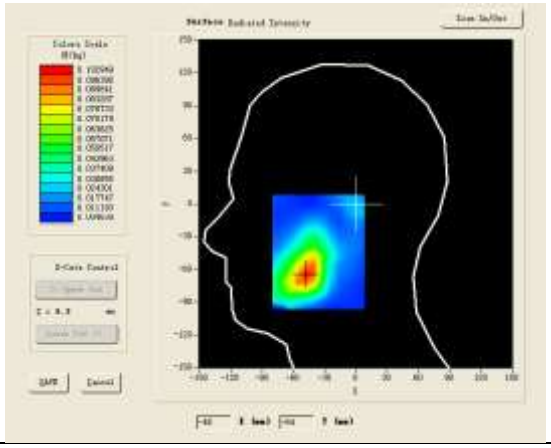
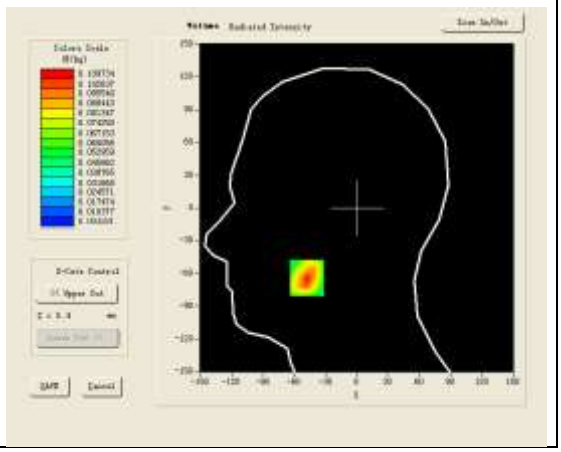
Test Laboratory: AGC Lab **Date: Oct. 22,2015**
LTE Band VII Low-Touch-Right (1 RB#0)
DUT: Tablet PC; Type: UNIVERSAL

Communication System: LTE; Communication System Band: LTE Band V; Duty Cycle:1:1; Conv.F=4.62
Frequency: 2510MHz; Medium parameters used: f = 2600 MHz; σ=1.87 mho/m; εr =40.52; ρ= 1000 kg/m³ ;
Phantom section: Right Section
Ambient temperature (℃): 22.5, Liquid temperature (℃): 22.3

SATIMO Configuration:
Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/ LTE Band VII Low - Touch- Right /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ LTE Band VII Low - Touch- Right /Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5mm;

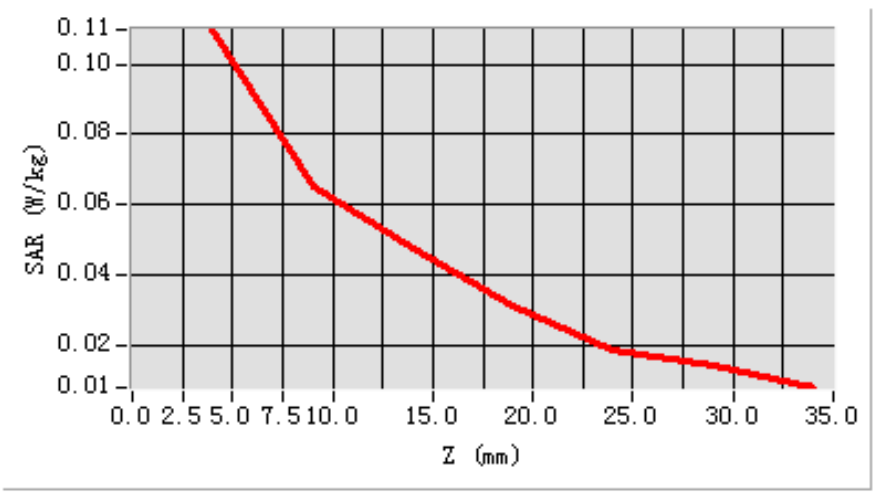
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE Band VII
Channels	Low
Signal	OFDM (Crest factor: 1.0)

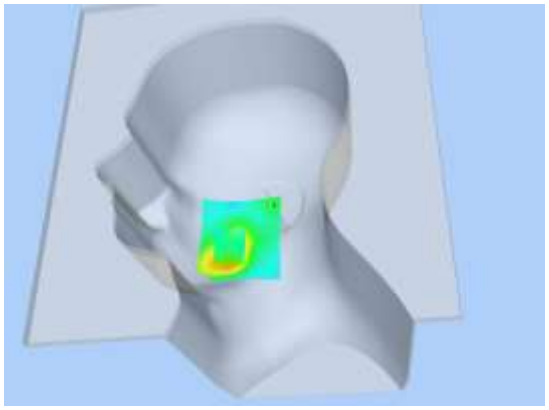
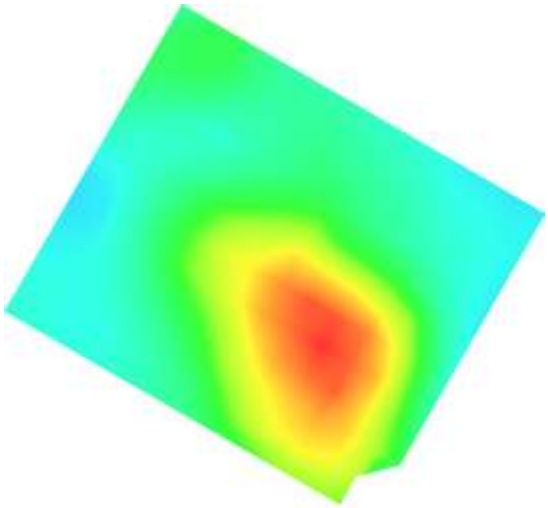
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-48.00, Y=-64.00

SAR 10g (W/Kg)	0.059618
SAR 1g (W/Kg)	0.104226

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.1097	0.0650	0.0475	0.0313	0.0189	0.0142



3D screen shot	Hot spot position
	

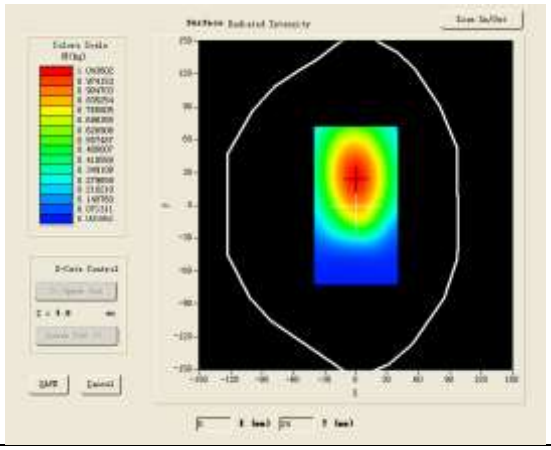
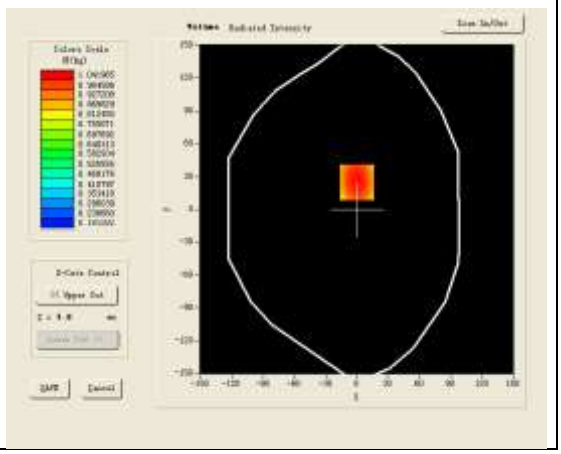
Test Laboratory: AGC Lab **Date: Oct. 22,2015**
LTE Band VII High-Body-Back (1 RB#0)
DUT: Tablet PC; Type: UNIVERSAL

Communication System: LTE; Communication System Band: LTE Band V; Duty Cycle:1:1; Conv.F=4.73;
Frequency: 2560 MHz; Medium parameters used: f = 2600 MHz; σ=2.15 mho/m; εr =52.13; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃): 22.5, Liquid temperature (℃): 22.3

SATIMO Configuration:
- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/ LTE Band VII High-Body-back/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ LTE Band VII High-Body-back/Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5m;

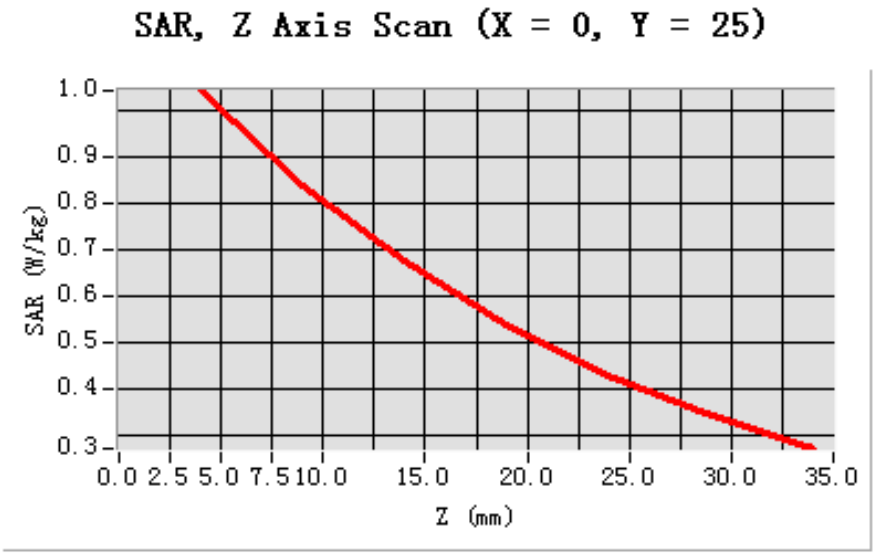
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body Back
Band	LTE Band VII
Channels	High
Signal	OFDM (Crest factor: 1.0)

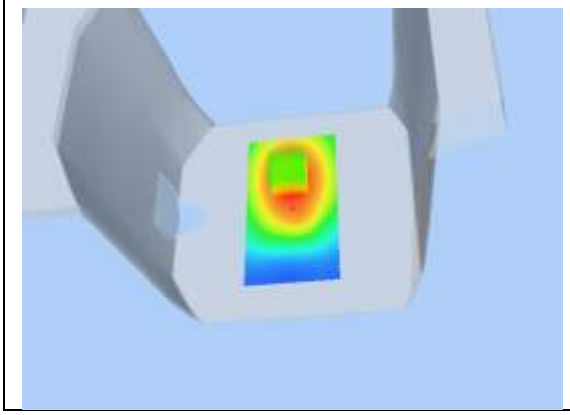
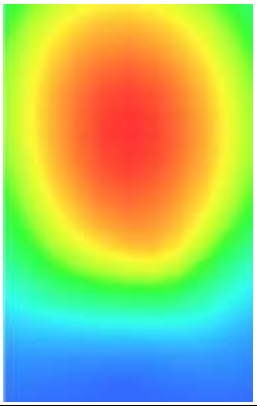
SURFACE SAR	VOLUME SAR
	

Maximum location: X=0.00, Y=25.00

SAR 10g (W/Kg)	0.775471
SAR 1g (W/Kg)	1.012163

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	1.0421	0.8363	0.6735	0.5387	0.4295	0.3414



3D screen shot	Hot spot position
	

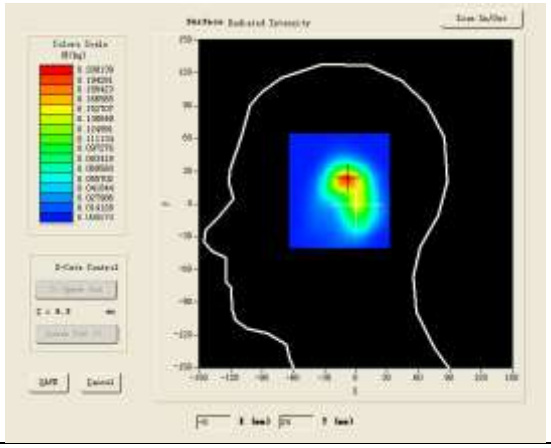
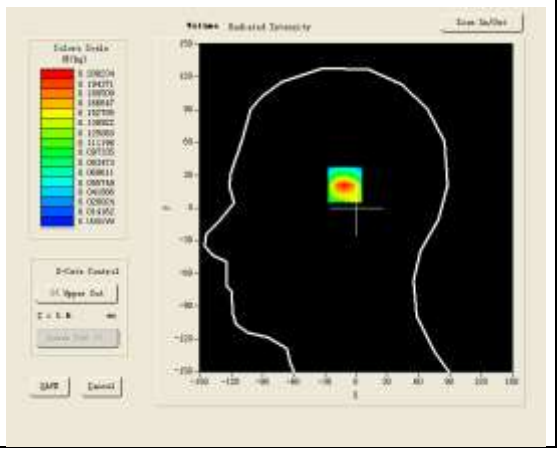
Test Laboratory: AGC Lab **Date: Oct. 22,2015**
802.11b Mid-Touch-Left (DTS)
DUT: Tablet PC; Type: UNIVERSAL

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Conv.F=4.84;
Frequency: 2437MHz; Medium parameters used: f = 2450 MHz; σ= 1.75mho/m; εr =40.88; ρ= 1000 kg/m³;
Phantom section: Left Section
Ambient temperature (℃): 22.5, Liquid temperature (℃): 22.3

SATIMO Configuration:
Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/ 802.11b Mid- Touch- Left /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ 802.11b Mid -Touch- Left /Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5mm;

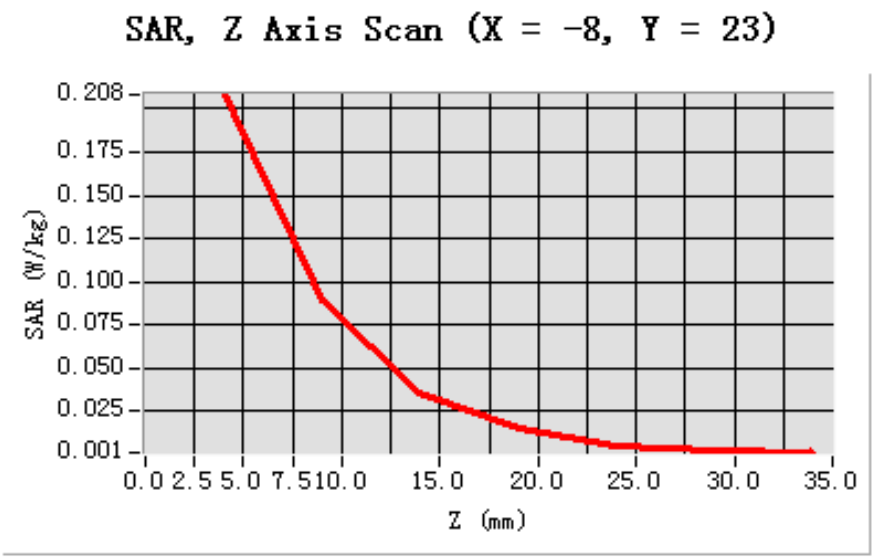
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	2450
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

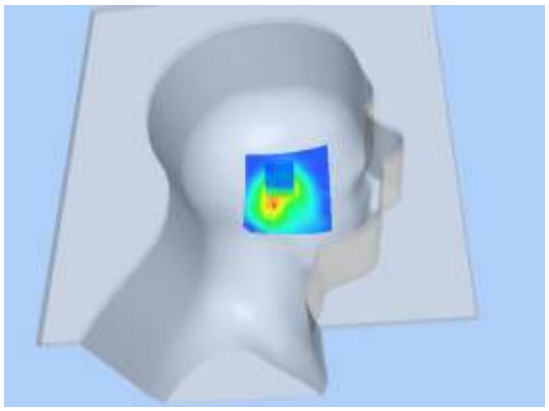
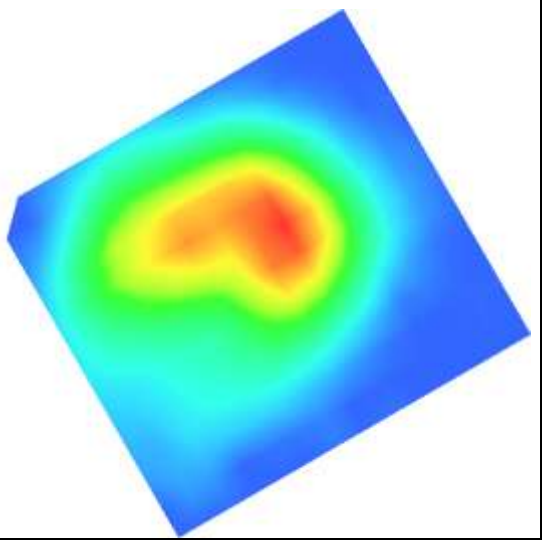
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-8.00, Y=23.00

SAR 10g (W/Kg)	0.084176
SAR 1g (W/Kg)	0.196279

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.2081	0.0893	0.0355	0.0153	0.0055	0.0023



3D screen shot	Hot spot position
	

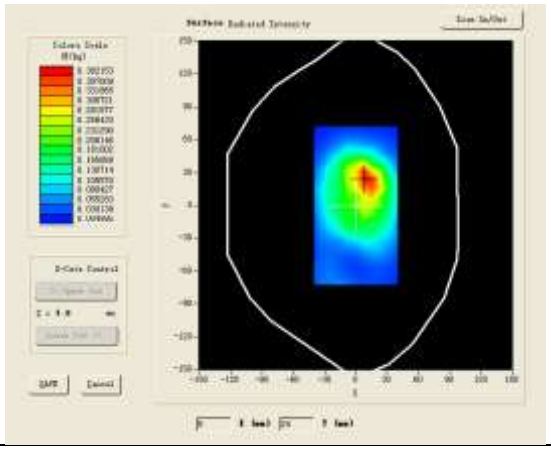
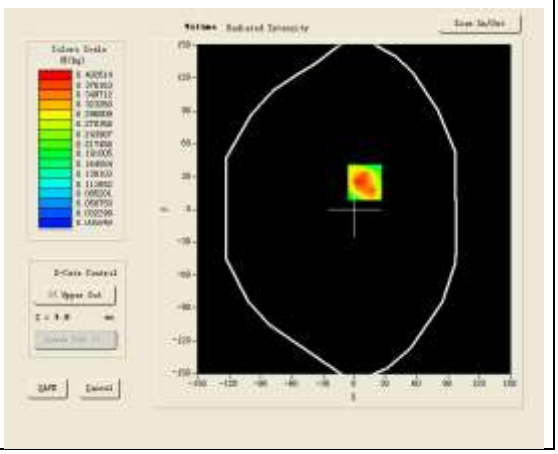
Test Laboratory: AGC Lab **Date: Oct. 31,2015**
802.11b Mid-Body-Worn- Back (DTS)
DUT: Tablet PC; Type: UNIVERSAL

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Conv.F=4.97;
Frequency: 2437 MHz; Medium parameters used: f = 2450 MHz; σ=1.90mho/m; εr =53.98; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃):21.9, Liquid temperature (℃): 22.3

SATIMO Configuration:
- Probe: SSE5; Calibrated: 12/03/2014; Serial No.: SN 22/12 EP159
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/802.11b Mid- Body- Back /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11b Mid- Body- Back /Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5mm;

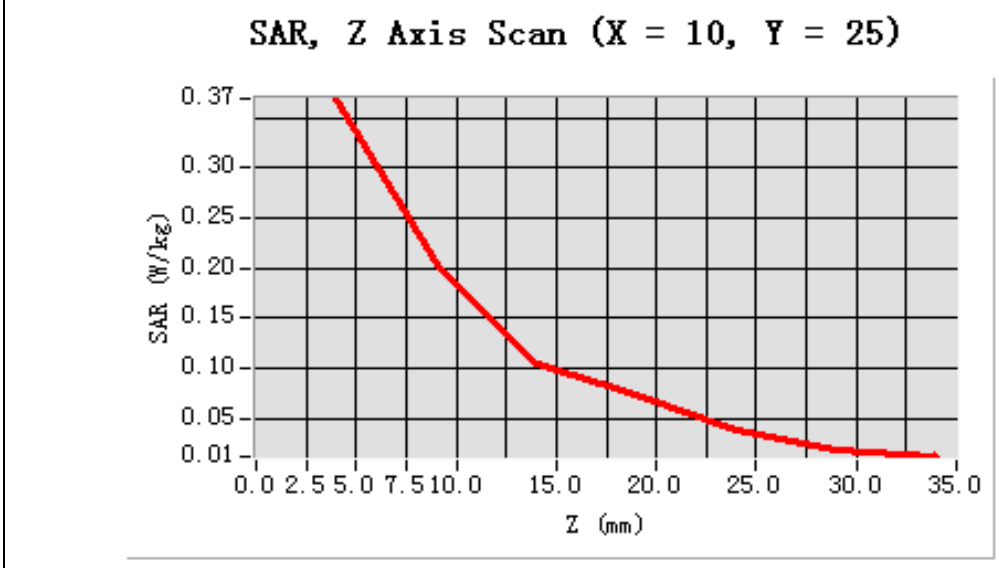
Area Scan	surf_sam_plan.txt
ZoomScan	7x7x7,dx=5mm dy=5mm dz=5mm
Phantom	Validation plane
Device Position	Body Back
Band	2450MHz
Channels	Middle
Signal	Crest factor: 1.0

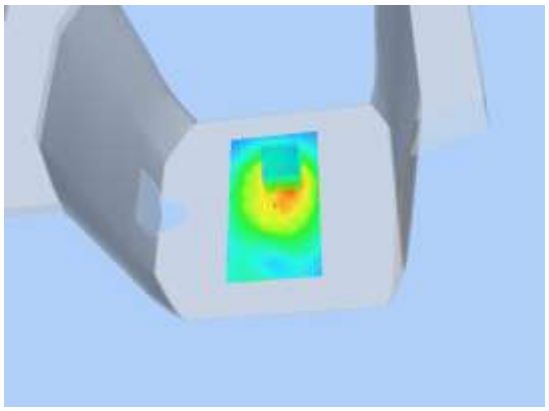
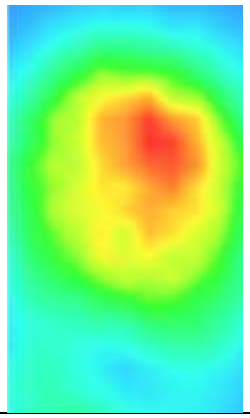
SURFACE SAR	**VOLUME SAR**
	

Maximum location: X=10.00, Y=25.00

SAR 10g (W/Kg)	0.201462
SAR 1g (W/Kg)	0.380318

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.3685	0.2033	0.1041	0.0732	0.0393	0.0195



3D screen shot	Hot spot position
	

Reapted SAR

Test Laboratory: AGC Lab **Date: Oct. 22,2015**
GPRS 850 Mid-Touch-Left (2up)
DUT: Tablet PC; Type: UNIVERSAL

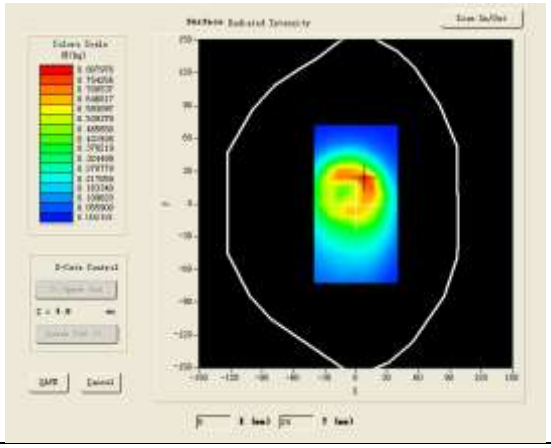
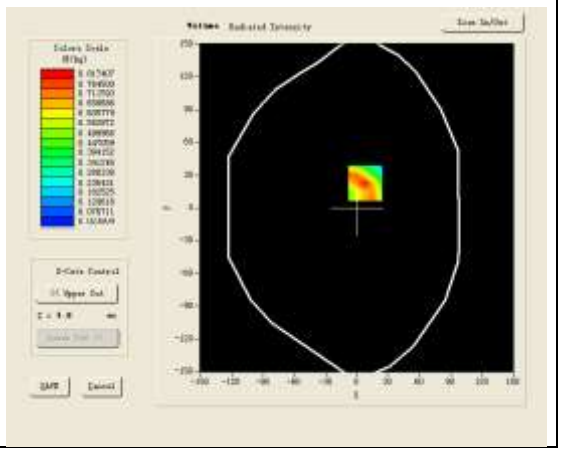
Communication System: GPRS-2 Slot; Communication System Band: GSM 850; Duty Cycle: 1:4.2; Conv.F=6.36
Frequency: 836.6 MHz; Medium parameters used: f = 835 MHz; σ=0.90 mho/m; εr =41.59; ρ= 1000 kg/m^3;
Phantom section: Left Section
Ambient temperature (℃): 22.5, Liquid temperature (℃): 22.3

SATIMO Configuration:

- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/GPRS 850 Mid-Touch-Left/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/GPRS 850 Mid-Touch-Left/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

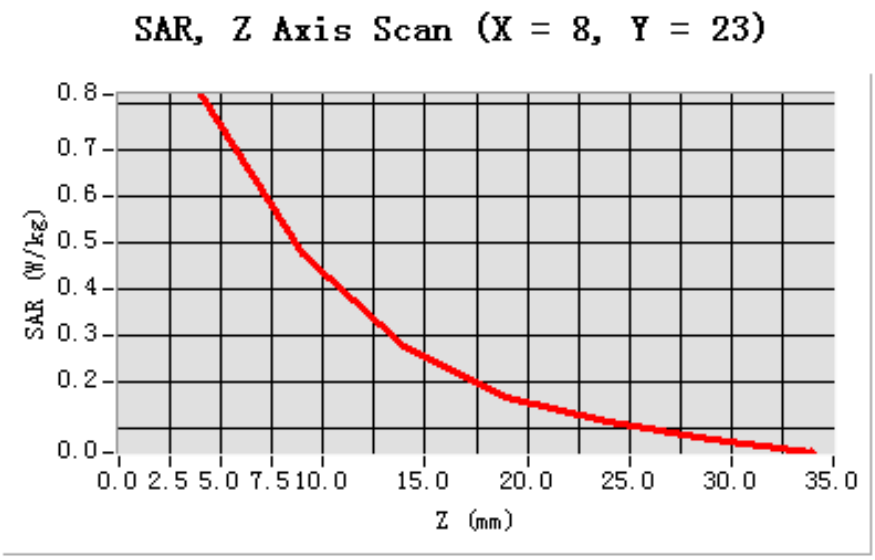
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Left head
Device Position	Cheek
Band	GSM 850
Channels	Middle
Signal	TDMA (Crest factor: 4.0)

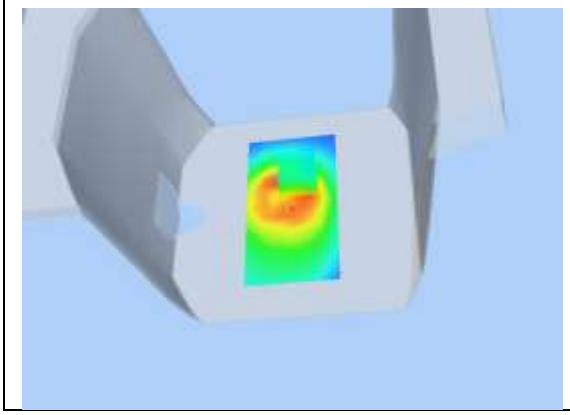
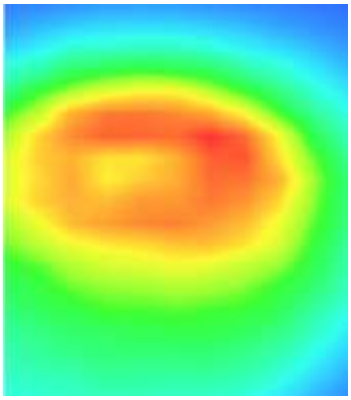
SURFACE SAR	VOLUME SAR
	

Maximum location: X=8.00, Y=23.00

SAR 10g (W/Kg)	0.477366
SAR 1g (W/Kg)	0.825006

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.8174	0.4726	0.2758	0.1669	0.1117	0.0743



3D screen shot	Hot spot position
	

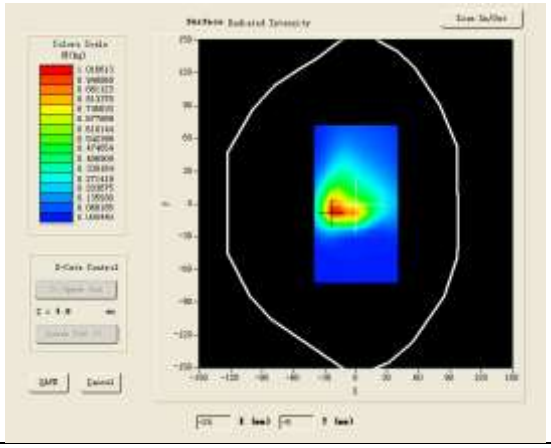
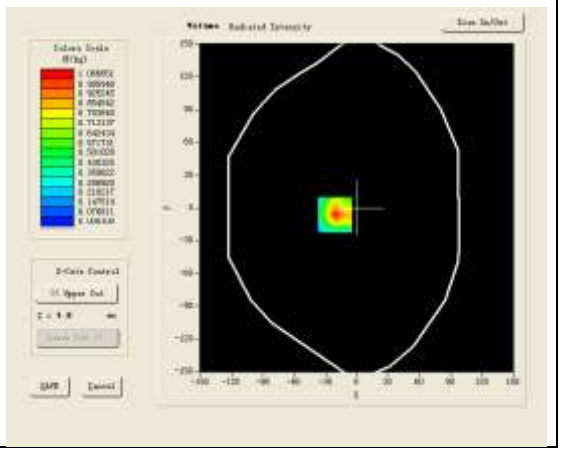
T Test Laboratory: AGC Lab **Date: Oct. 26,2015**
WCDMA Band Ⅱ Low-Body-Towards Grounds (RMC 12.2kbps)
DUT: Tablet PC; Type: UNIVERSAL

Communication System: UMTS; Communication System Band: Band Ⅱ UTRA/FDD ;Duty Cycle:1:1; Conv.F=5.61; Frequency: 1852.4 MHz; Medium parameters used: f = 1900 MHz; σ=1.49 mho/m; εr =54.00; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃): 21.8, Liquid temperature (℃): 21.5

SATIMO Configuration:
- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/ WCDMA band Ⅱ Low-Body-back/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ WCDMA band Ⅱ Low-Body-back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5m;

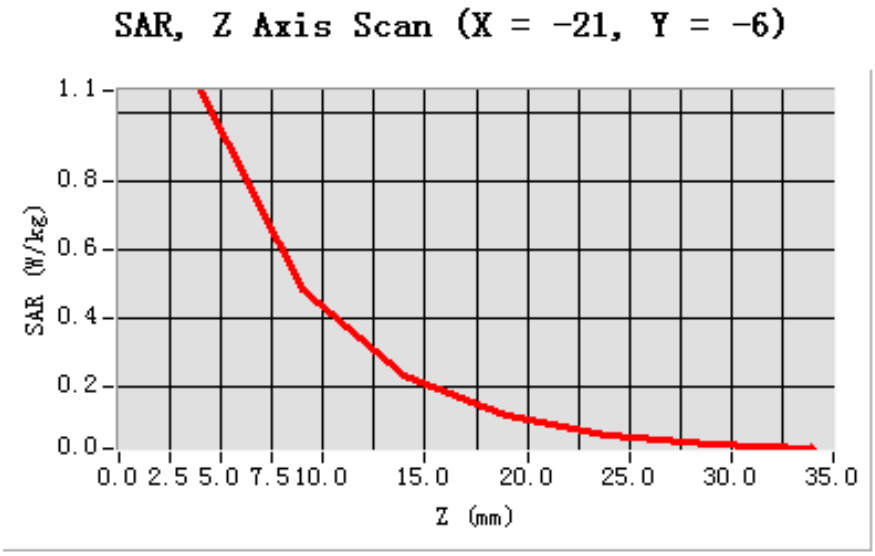
Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body Back
Band	WCDMA band Ⅱ
Channels	Low
Signal	CDMA (Crest factor: 1.0)

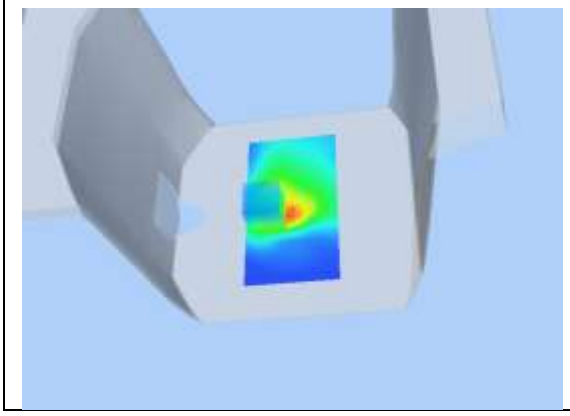
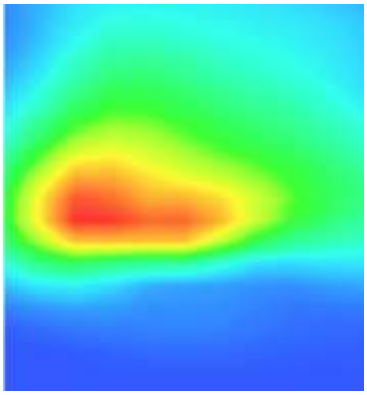
SURFACE SAR	**VOLUME SAR**
	

Maximum location: X=-21.00, Y=-6.00

SAR 10g (W/Kg)	0.513269
SAR 1g (W/Kg)	1.075251

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	1.0667	0.4852	0.2318	0.1130	0.0573	0.0299



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Oct. 31,2015**

LTE Band Ⅳ Low- Edge2 (1 RB#0)

DUT: Tablet PC; Type: UNIVERSAL

Communication System: LTE; Communication System Band: LTE Band Ⅳ; Duty Cycle:1:1; Conv.F=4.91; Frequency:1720.0 MHz; Medium parameters used: f = 1750 MHz; σ= 1.45 mho/m; εr =54.61; ρ= 1000 kg/m³ ; Phantom section: Flat Section
Ambient temperature (℃): 21.9, Liquid temperature (℃): 21.7

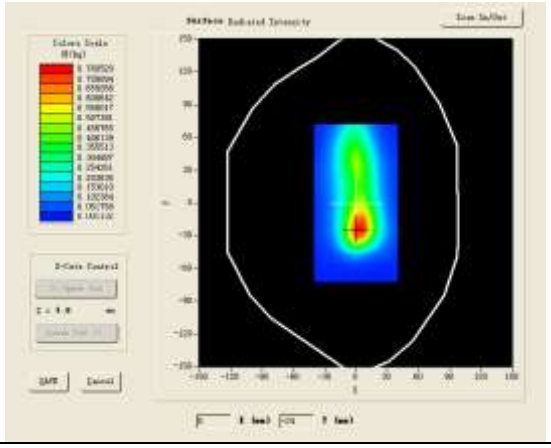
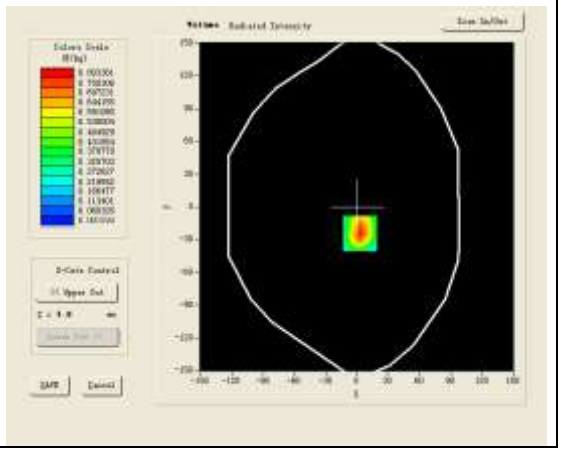
SATIMO Configuration:

- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/ LTE Band Ⅳ Low-Edge2 /Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/ LTE Band Ⅳ Low- Edge2 /Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5m;

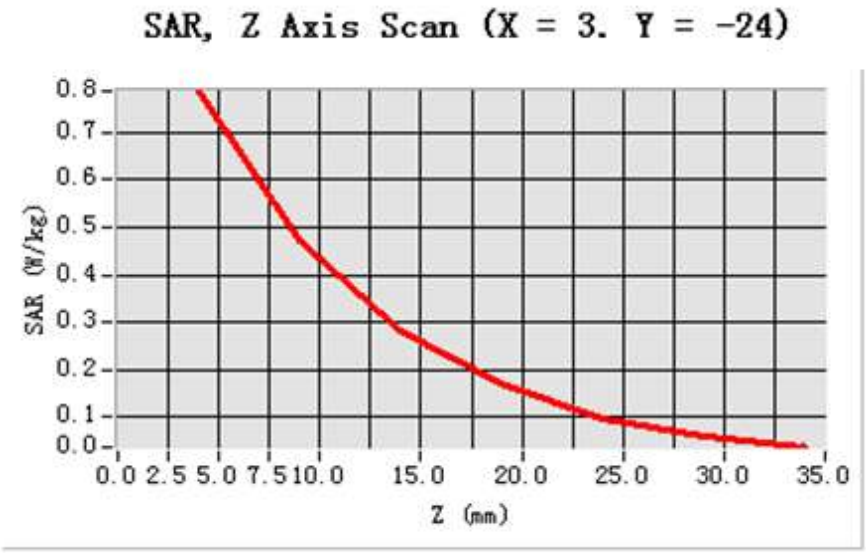
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Horizontal
Band	LTE Band Ⅳ
Channels	Low
Signal	OFDM (Crest factor: 1.0)

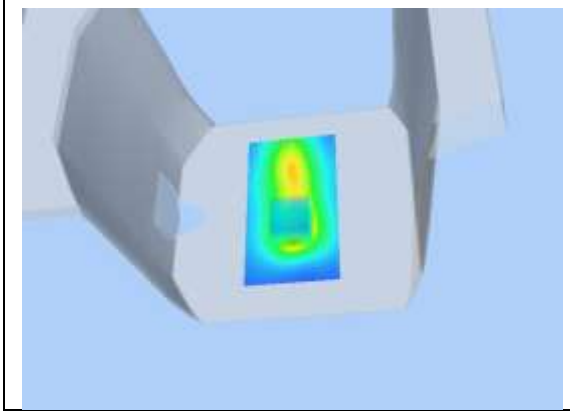
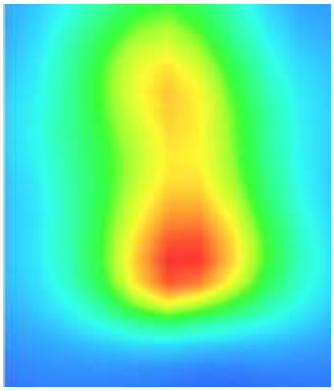
SURFACE SAR	VOLUME SAR
	

Maximum location: X=3.00, Y=-24.00

SAR 10g (W/Kg)	0.412508
SAR 1g (W/Kg)	0.748597

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.7876	0.4706	0.2814	0.1703	0.0948	0.0595



3D screen shot	Hot spot position
	

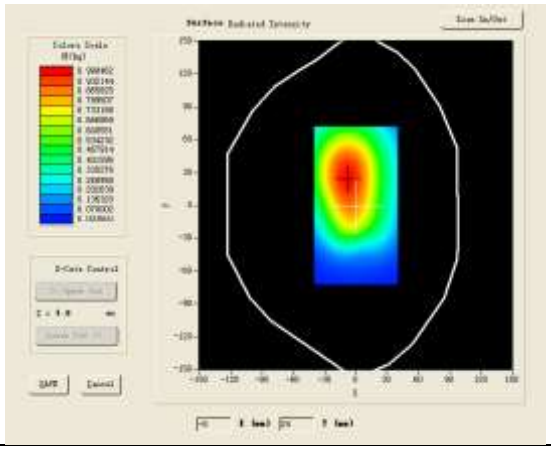
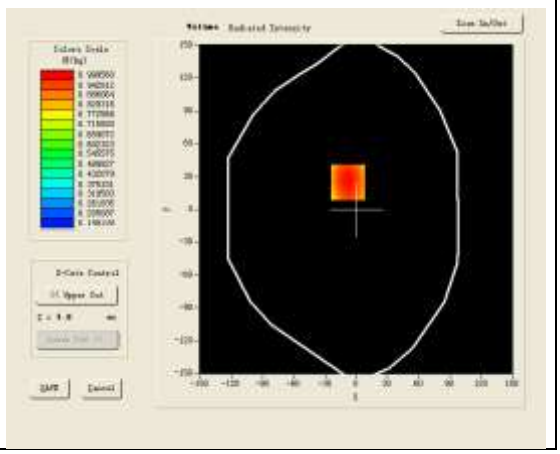
Test Laboratory: AGC Lab **Date: Oct. 22,2015**
LTE Band VII High-Body-Back (1 RB#0)
DUT: Tablet PC; Type: UNIVERSAL

Communication System: LTE; Communication System Band: LTE Band V; Duty Cycle:1:1; Conv.F=4.73;
Frequency: 2560 MHz; Medium parameters used: f = 2600 MHz; σ=2.15 mho/m; εr =52.13; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃): 22.5, Liquid temperature (℃): 22.3

SATIMO Configuration:
- Probe: SSE5; Calibrated: 07/10/2015; Serial No.: SN 19/15 EP254
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/ LTE Band VII High-Body-back/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ LTE Band VII High-Body-back/Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5m;

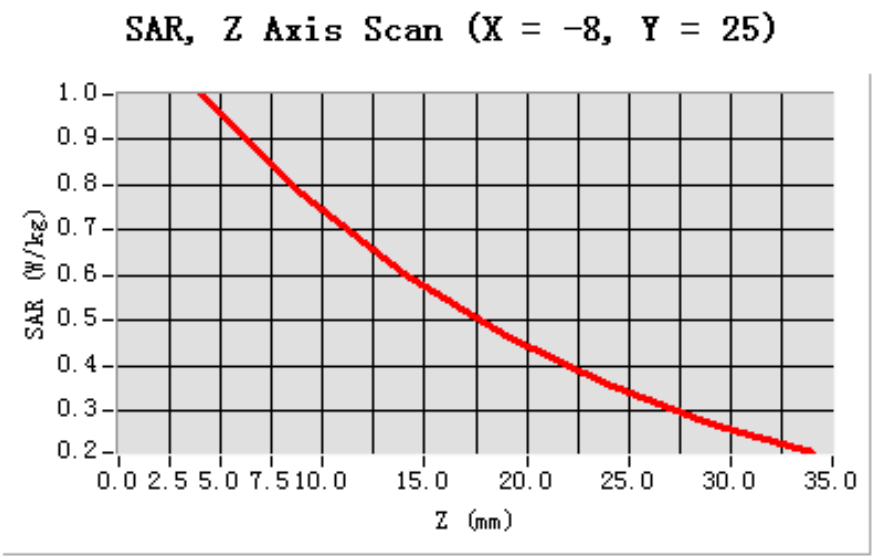
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body Back
Band	LTE Band VII
Channels	High
Signal	OFDM (Crest factor: 1.0)

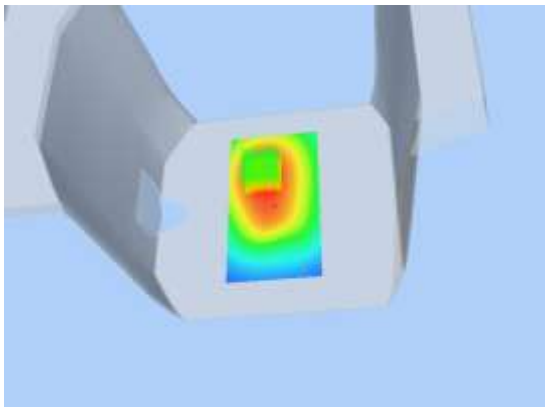
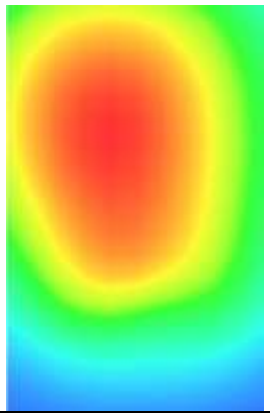
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-8.00, Y=25.00

SAR 10g (W/Kg)	0.722344
SAR 1g (W/Kg)	0.961539

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.9998	0.7801	0.6041	0.4659	0.3578	0.2731



3D screen shot	Hot spot position
	

APPENDIX C. TEST SETUP PHOTOGRAPHS &EUT PHOTOGRAPHS

Refer to Attached files.

APPENDIX D. CALIBRATION DATA

Refer to Attached files.