



EUROFINS TESTING TECHNOLOGY(SHENZHEN)CO., LTD.

**FCC Oet65 Supplement C
June 2001
IEEE Std. 1528-2003
47CFR § 2.1093
TEST REPORT**

TEST REPORT NUMBER: EFSN13060712E-8



Eurofins Testing Technology (Shenzhen) Co., Ltd. Phone: +86-755-83585700
3A, F1.6, Tianfa Building, Tian'an Cyber Park, Fax: +86-755-83585701
Futian District, Shenzhen City, GD, Page 1 of 41
PRC 518040

General Information

Notes

The results of this test report relate exclusively to the item tested as specified in chapter "Description of test item" and are not transferable to any other test items.

EurofinsTesting Technology(Shenzhen) Co., Ltd. is not responsible for any generalisations and conclusions drawn from this report. Any modification of the test item can lead to invalidity of test results and this test report may therefore be not applicable to the modified test item.

The test report may only be reproduced or published in full. Reproducing or publishing extracts of the report requires the prior written approval of the EurofinsTesting Technology(Shenzhen) Co., Ltd.

This document is subject to the General Terms and Conditions and the Testing and Certification System of EurofinsTesting Technology(Shenzhen) Co., Ltd., available on request or accessible at www.pt.eurofins.com

Operator:

2013-7-15

Lody Guo



Date

Eurofins

Name

Signature

Technical responsibility for area of testing:

2013-7-15

Tom Tian



Date

Eurofins

Name

Signature

Test Report No.: EFSN13060712E-8

Eurofins Testing Technology (Shenzhen) Co., Ltd.

3A, F1.6, Tianfa Building, Tian'an Cyber Park, Futian District, Shenzhen City, GD, PRC 518040



Testing laboratory

Eurofins Testing Technology (Shenzhen) Co., Ltd.

3A, F1.6, Tianfa Building, Tian'an Cyber Park, Futian District, Shenzhen City, GD, PRC 518040

Telephone : +86-755-83585700

Fax : +86-755-83585701

Test location, where different:

Name : Attestation of Global Compliance(Shenzhen)Co., Ltd.

Address : 1~2F, No.2 Bldg, Huafeng No.1 Technical Industrial Park, Sanwei,
Xixiang St., Baoan District, Shenzhen, Guangdong, P.R.China

Telephone : +86-0755-29081955

Fax : +86-0755-26008484

All items were performed by Lody Guo at AGC.

Test Report No.: EFSN13060712E-8

Eurofins Testing Technology (Shenzhen) Co., Ltd.

3A, F1.6, Tianfa Building, Tian'an Cyber Park, Futian District, Shenzhen City, GD, PRC 518040

Test Report Certification	
FCC ID	SOVAC101PL
Application purpose	Original Equipment
Applicant Name	ARCHOS SA
Applicant Address	12 rue Ampère 91430 Igny, France
Manufacturer Name	ARCHOS SA
Manufacturer Address	12 rue Ampère 91430 Igny, France
Product Designation	10.1" platinum
Brand Name	ARCHOS
Model Name	AC101PL
Different Description	N/A
EUT Voltage	DC3.7V by battery
Applicable Standard	FCC Oet65 Supplement C June 2001 IEEE Std. 1528-2003 47CFR § 2.1093
Test Date	Jul.11, 2013
Test Results	MAX SAR MEASUREMENT(1g) Body: 1.224 W/Kg (Maximum Scaling SAR = 1.303 W/Kg)

TABLE OF CONTENTS

1. General Information	6
1.1. EUT Description	6
1.2. Test Procedure	8
1.3. Test Environment	8
2. SAR Measurement System	9
2.1. COMOSAR System Description	9
2.2. COMOSAR E-Field Probe	11
2.3. Robot	11
2.4. Video Positioning System	12
2.5. Device Holder	12
2.6. SAM Twin Phantom	13
3. Tissue Simulating Liquid	14
3.1. The composition of the tissue simulating liquid	14
3.2. Tissue Calibration Result	15
3.3. Tissue Dielectric Parameters for Head and Body Phantoms	16
4. SAR Measurement Procedure	17
4.1. SAR System Validation	17
4.2. SAR Measurement Procedure	19
5. SAR Exposure Limits	20
6. Test Equipment List	21
7. Measurement Uncertainty	22
8. Conducted Power Measurement	23
9. Test Results	24
9.1. SAR Test Results Summary	24
Appendix A. SAR System Validation Data	29
Appendix B. SAR measurement Data	31
Appendix C. TEST SETUP PHOTOGRAPHS &EUT PHOTOGRAPHS	97
Appendix D. Probe Calibration Data	99
Appendix E. Dipole Calibration Data	109

1. General Information

1.1. EUT Description

General Information	
Product Designation	10.1" platinum
Test Model	AC101PL
Hardware Version	YK102_RK3188_V1.2
Software Version	N/A
Device Category	Portable
RF Exposure Environment	Uncontrolled
Antenna Type	Internal
WIFI	
Frequency Range	802.11b/g/n(20):2412-2462 MHz
Channel Number	802.11b/g/n(20):11
Type of modulation	DSSS(DBPSK/DQPSK/CCK);OFDM(BPSK/QPSK/16-QAM/64-QAM)
Data Rate	802.11b:1/2/5.5/11Mbps 802.11g:6/9/12/18/24/36/48/54Mbps 802.11n:up to 150Mbps
Avg. Burst Power	11b: 15.45 dBm,11g: 16.98dBm,11n(20): 15.98dBm
Antenna Gain	2dBi
5G WIFI	
Operation Frequency	5170MHz ~ 5240MHz
Number of channels	8
Modulation	DSSS(DBPSK/DQPSK/CCK);OFDM(BPSK/QPSK/16-QAM/64-QAM)
Nominal Channel Bandwidth	20MHz
Antenna Designation	Integrated Antenna
Avg. Burst Power	7.64Bm
Antenna Gain	2dBi

Test Report No.: EFSN13060712E-8

Eurofins Testing Technology (Shenzhen) Co., Ltd.

3A, F1.6, Tianfa Building, Tian'an Cyber Park, Futian District, Shenzhen City, GD,PRC 518040

Bluetooth	
Bluetooth Version	☐ V2.0 ☐ V2.1 ☒ V2.1+EDR ☐ V3.0 ☐ V3.0+EDR ☐ V4.0
Operation Frequency	2402~2480MHz
Type of modulation	☒ GFSK ☒ π/4-DQPSK ☒ 8-DPSK
Avg. Burst Power	-5.95dBm
Antenna Gain	2dBi
Accessories	
Adapter	Brand name: ARCHOS Model No. : THX-05200KDV Input: AC 100-240V, 50/60Hz, 0.65mA Output: DC 5.5V, 2A
Earphone	Brand name: N/A Model No. : N/A

Note:

1. The EUT is a model of tablet pc. It just supports WWAN (BT, WIFI and HOTSPOT).
2. The sample used for testing is end product.

1.2. Test Procedure

1	Setup the EUT and simulators as shown on above.
2	Turn on the power of all equipment.
3	Make EUT into engineering mode for transmission, and test them respectively at U.S. bands

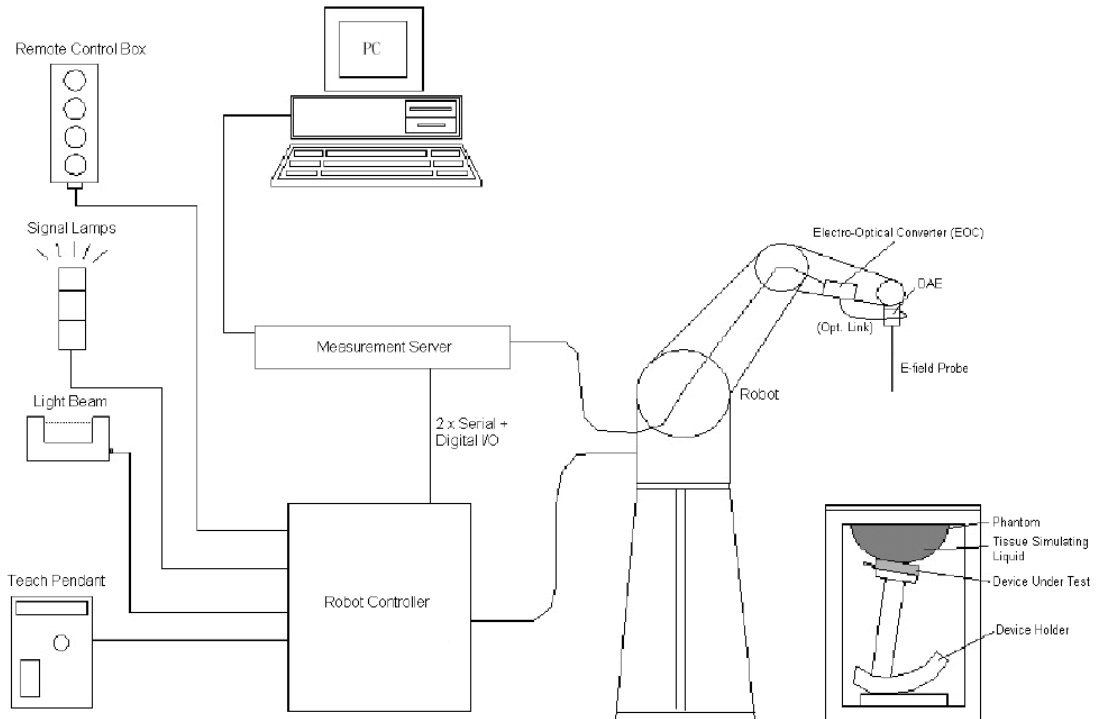
1.3. Test Environment

Ambient conditions in the laboratory:

Items	Required	Actual
Temperature (°C)	18-25	21± 2
Humidity (%RH)	30-70	55±2

2. SAR Measurement System

2.1. COMOSAR System Description



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

- ☐ A standard high precision 6axis robot with controller, teach pendant and software.
- An arm extension for accommodating the data acquisition electronics (DAE).
- ☐ A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- ☐ The Electrooptical converter (EOC) performs the conversion from optical to electrical signals for the digital Communicate Mobile to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- ☐ The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- ☐ A computer running WinXP and the Opensar software.
- ☐ Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- ☐ The phantom, the device holder and other accessories according to the targeted measurement.

2.1.1. Applications

Predefined procedures and evaluations for automated compliance testing with all worldwide standards, e.g., IEEE 1528, OET 65, IEC 62209-1, IEC 62209-2, EN 50360, EN 50383 and others.

2.1.2. Area Scans

Area scans are defined prior to the measurement process being executed with a user defined variable spacing between each measurement point (integral) allowing low uncertainty measurements to be conducted. Scans defined for FCC applications utilize a 10mm² step integral, with 1mm interpolation used to locate the peak SAR area used for zoom scan assessments.

When an Area Scan has measured all reachable points, it computes the field maxima 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 2 dB range is required in IEEE 1528-2003, EN 50361 and IEC 62209 standards, whereby 3 dB is a requirement when compliance is assessed in accordance with the ARIB standard (Japan).

2.1.3. Zoom Scan (Cube Scan Averaging)

Zoom Scans are used to assess the peak spatial SAR values within a cubic averaging volume containing 1 g and 10 g of simulated tissue. A density of 1000 kg/m³ is used to represent the head and body tissue density and not the phantom liquid density, in order to be consistent with the definition of the liquid dielectric properties, i.e. the side length of the 1 g cube is 10mm, with the side length of the 10 g cube 21,5mm.

The zoom scan integer steps can be user defined so as to reduce uncertainty, but normal practice for typical test applications utilize a physical step of 7x7x7 (5mmx5mmx5mm) providing a volume of 30mm in the X & Y axis, and 30mm in the Z axis.

2.1.4. Uncertainty of Inter-/Extrapolation and Averaging

In order to evaluate the uncertainty of the interpolation, extrapolation and averaged SAR calculation algorithms of the Post processor, COMOSAR allows the generation of measurement grids which are artificially predefined by analytically based test functions. Therefore, the grids of area scans and zoom scans can be filled with uncertainty test data, according to the SAR benchmark functions of IEEE 1528. The three analytical functions shown in equations as below are used to describe the possible range of the expected SAR distributions for the tested handsets. The field gradients are covered by the spatially flat distribution f1, the spatially steep distribution f3 and f2 accounts for H-field cancellation on the phantom/tissue surface.

$$f_1(x, y, z) = Ae^{-\frac{z}{2a}} \cos^2 \left(\frac{\pi}{2} \frac{\sqrt{x'^2 + y'^2}}{5a} \right)$$

$$f_2(x, y, z) = Ae^{-\frac{z}{a}} \frac{a^2}{a^2 + x'^2} \left(3 - e^{-\frac{2z}{a}} \right) \cos^2 \left(\frac{\pi}{2} \frac{y'}{3a} \right)$$

$$f_3(x, y, z) = A \frac{a^2}{\frac{a^2}{4} + x'^2 + y'^2} \left(e^{-\frac{2z}{a}} + \frac{a^2}{2(a + 2z)^2} \right)$$

2.2. COMOSAR E-Field Probe

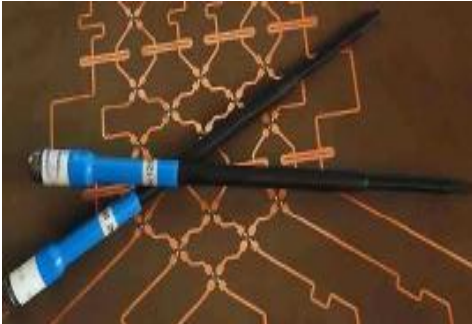
The SAR measurement is conducted with the dissymmetric probe manufactured by SATIMO.

The probe is specially designed and calibrated for use in liquid with high permittivity. The

dissymmetric 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, EN62209-1, IEC 62209, etc.) Under ISO17025. The calibration data are in Appendix D.

2.2.1. Isotropic E-Field Probe Specification

Model	EP165	
Manufacture	SATIMO	
Frequency	0.03GHz-3 GHz Linearity:±0.2dB(30 MHz-3 GHz)	
Dynamic Range	0.01W/Kg-100W/Kg Linearity:±0.2dB	
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%.	

2.3. 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

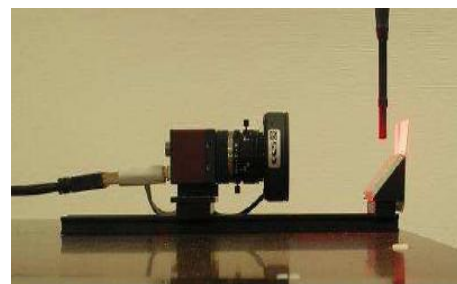


2.4. Video Positioning System

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.

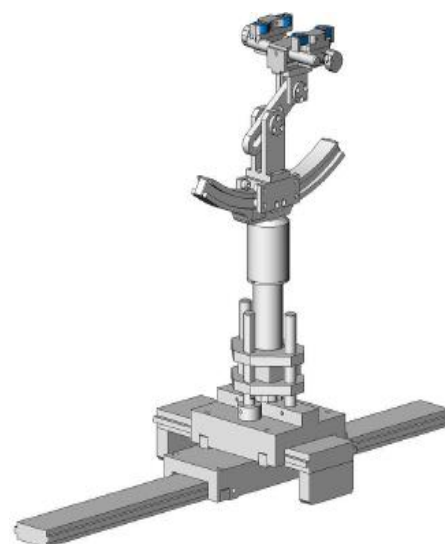


2.5. Device Holder

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 $\epsilon_r = 3$ and loss tangent $\delta = 0.02$. 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.



2.6. SAM Twin Phantom

The Elliptic Phantom is a fiberglass shell flat phantom with 2mm+/- 0.2 mm shell thickness. It has only one measurement area for Flat phantom



3. Tissue Simulating Liquid

3.1. The composition of the tissue simulating liquid

Ingredient	2450MHz
(% Weight)	Body
Water	73.2
Salt	0.04
Sugar	0.00
HEC	0.00
Preventol	0.00
DGBE	26.7
TWEEN	48.34

3.2. Tissue Calibration Result

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

Tissue Stimulant Measurement for 2450					
Frequency (MHz)	Parts	Description	Dielectric Parameters		Tissue Temp [°C]
2450MHz	Body	Reference result ±5% window	ϵ_r 52.7 50.065-55.335	δ [s/m] 1.95 1.8525-2.0475	N/A
		Jul.11, 2013	53.80	1.96	21

3.3. Tissue Dielectric Parameters for Head and Body Phantoms

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

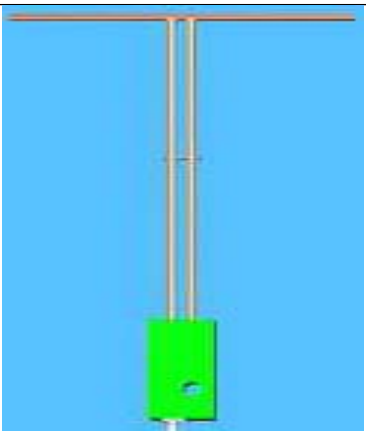
Target Frequency (MHz)	head		body	
	ϵ_r	σ (S/m)	ϵ_r	σ (S/m)
300	45.3	0.87	58.2	0.92
450	43.5	0.87	56.7	0.94
850	41.5	0.90	55.2	0.97
900	41.5	0.97	55.0	1.05
915	41.5	1.01	55.0	1.06
1450	40.5	1.20	54.0	1.30
1610	40.3	1.29	53.8	1.40
1800 – 2000	40.0	1.40	53.3	1.52
2450	39.2	1.80	52.7	1.95
3000	38.5	2.40	52.0	2.73
5800	35.3	5.27	48.2	6.00

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

4. SAR Measurement Procedure

4.1. SAR System Validation

4.1.1. Validation 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 both IEEE and FCC Supplement C. the table below provides details for the mechanical and electrical Specifications for the dipoles.
---	---

Frequency	L (mm)	h (mm)	d (mm)
2450MHz	51.5	30.4	3.6

4.1.2. Validation Result

System Performance Check at 2450MHz for Body				
Frequency [MHz]	Description	SAR [w/kg] 1g	SAR [w/kg] 10g	Tissue Temp.[°C]
2450 MHz	Reference result ± 10% window	52.4 47.16 to 57.64	24.0 21.6 to 26.4	N/A
	Jul.11, 2013	47.97	23.43	21
Note: All SAR values are normalized to 1W forward power.				

4.2. SAR Measurement Procedure

The COMOSAR calculates SAR using the following equation,

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

σ : represents the simulated tissue conductivity

ρ : represents the tissue density

The EUT is set to transmit at the required power in line with product specification, at each frequency relating to the LOW, MID, and HIGH channel settings.

Pre-scans are made on the device to establish the location for the transmitting antenna, using a large area scan in either air or tissue simulation fluid.

The EUT is placed against the Universal Phantom where the maximum area scan dimensions are larger than the physical size of the resonating antenna. When the scan size is not large enough to cover the peak SAR distribution, it is modified by either extending the area scan size in both the X and Y directions, or the device is shifted within the predefined area.

The area scan is then run to establish the peak SAR location (interpolated resolution set at 1mm²) which is then used to orient the center of the zoom scan. The zoom scan is then executed and the 1g and 10g averages are derived from the zoom scan volume (interpolated resolution set at 1mm³).

When multiple peak SAR location were found during the same configuration or test mode, Zoom scan shall performed on each peak SAR location, only the peak point with maximum SAR value will be reported for the configuration or test mode.

5. SAR Exposure Limits

SAR assessments have been made in line with the requirements of IEEE-1528, FCC Supplement C, 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
Spatial Peak SAR (1g cube tissue for brain or body)	1.60 W/kg

6. Test Equipment List

Equipment description	Manufacturer/ Model	Identification No.	Current calibration date	Next calibration date
SAR Probe	SATIMO	SN 04/13 EP165	01/31/2013	01/30/2014
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	02/28/2013	02/27/2014
Comm Tester	Agilent-8960	GB46310822	10/22/2012	10/21/2013
Multimeter	Keithley 2000	1188656	02/28/2013	02/27/2014
Dipole	SATIMO SID2450	SN46/11 DIP 2G450-189	12/09/2011	12/08/2013
Amplifier	Aethercomm	SN 046	12/08/2012	12/07/2013
Signal Generator	Agilent-E4421B	MY43351603	05/13/2013	05/12/2014
Power Probe	NRP-Z23	US38261498	02/28/2013	02/27/2014
SPECTRUM ANALYZER	Agilent-E4440A	MY44303916	10/22/2012	10/21/2013
Power Attenuator	BED	DLA-5W	07/18/2012	07/17/2013
Network Analyzer	Rhode & Schwarz ZVA	SN100132	02/28/2013	02/27/2014

Note: Per KDB 50824 Dipole SAR Validation Verification, 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.

7. Measurement Uncertainty

SATIMO Uncertainty									
Measurement uncertainty for 30 MHz to 3 GHz averaged over 1 gram / 10 gram.									
Error Description	Sec	Tol (±%)	Prob. Dist.	Div.	(Ci) 1g	(Ci) 10g	Std. Unc. (1g) (±%)	Std. Unc. (10g)(±%)	(Vi) Veff
Measurement System									
Probe Calibration	E.2.1	6	N	1	1	1	6	6	∞
Axial Isotropy	E.2.2	3	R	$\sqrt{3}$	$(1-c_p)^{1/2}$	$(1-c_p)^{1/2}$	1.22474	1.22474	∞
Hemispherical Isotropy	E.2.2	5	R	$\sqrt{3}$	$\sqrt{C_p}$	$\sqrt{C_p}$	2.04124	2.04124	∞
Boundary Effects	E.2.3	1	R	$\sqrt{3}$	1	1	0.57735	0.57735	∞
Linearity	E.2.4	5	R	$\sqrt{3}$	1	1	2.88675	2.88675	∞
System Detection Limits	E.2.5	1	R	$\sqrt{3}$	1	1	0.57735	0.57735	∞
Readout Electronics	E.2.6	0.5	N	1	1	1	0.5	0.5	∞
Response Time	E.2.7	0.2	R	$\sqrt{3}$	1	1	0.11547	0.11547	∞
Integration Time	E.2.8	2	R	$\sqrt{3}$	1	1	1.1547	1.1547	∞
RF Ambient Noise	E.6.1	3	R	$\sqrt{3}$	1	1	1.73205	1.73205	∞
Probe Positioner Mechanical Tolerance	E.6.2	2	R	$\sqrt{3}$	1	1	1.1547	1.1547	∞
Probe Positioning with Respect to Phantom Shell	E.6.3	1	R	$\sqrt{3}$	1	1	0.57735	0.57735	∞
Extrapolation, interpolation and Integration Algorithms for Max. SAR Evaluation	E.5.2	1.5	R	$\sqrt{3}$	1	1	0.86603	0.86603	∞
Dipole									
Device Positioning	8,E.4.2	1	N	$\sqrt{3}$	1	1	0.57735	0.57735	N-1
Power Drift	8.6.6.2	2	R	$\sqrt{3}$	1	1	1.1547	1.1547	∞
Phantom and Tissue Parameters									
Phantom Uncertainty	E.3.1	4	R	$\sqrt{3}$	1	1	2.3094	2.3094	∞
Liquid Conductivity (target)	E.3.2	5	R	$\sqrt{3}$	0.64	0.43	1.84752	1.2413	∞
Liquid Conductivity (meas.)	E.3.3	2.5	N	1	0.64	0.43	1.6	1.075	∞
Liquid Permittivity (target)	E.3.2	3	R	$\sqrt{3}$	0.6	0.49	1.03923	0.8487	∞
Liquid Permittivity (meas.)	E.3.3	2.5	N	1	0.6	0.49	1.5	1.225	M
Combined Standard Uncertainty			RSS				8.09272	7.9296	
Expanded Uncertainty (95%CONFIDENCE INTERVAL)			k				16.18544	15.8592	

Test Report No.: EFSN13060712E-8

Eurofins Testing Technology (Shenzhen) Co., Ltd.

3A, F1.6, Tianfa Building, Tian'an Cyber Park, Futian District, Shenzhen City, GD, PRC 518040

8. Conducted Power Measurement

Mode	Data Rate (Mbps)	Channel	Frequency(MHz)	Peak Power(dBm)	Avg. Burst Power(dBm)
802.11b	1	01	2412	16.19	14.32
		06	2437	16.37	14.52
		11	2462	17.33	15.45
802.11g	6	01	2412	18.32	16.47
		06	2437	18.66	16.78
		11	2462	18.79	16.98
802.11n(20)	6.5	01	2412	17.00	15.08
		06	2437	16.96	15.12
		11	2462	17.84	15.98

9. Test Results

9.1. SAR Test Results Summary

9.1.1. Test position and configuration

Body SAR was performed with the device configured in the positions according to IEEE 1528. SAR test was performed with the device 0mm from the phantom for the worst case due to antenna position.

Test position :body touch, front touch, horizontal near antenna, horizontal away from antenna, vertical near antenna, vertical away from antenna

9.1.2. Operation Mode

- According to KDB 447498 D01 v05r01, due to the maximum average Power for BT less than 10mw and maximum average Power for WIFI (5GHz) less than 7mw, stand-alone SAR is not required.
- Maximum Scaling SAR in order to calculate the Maximum SAR values to test under the standard Average Power, Calculation method is as follows:
$$\text{Maximum Scaling SAR} = \text{tested SAR (Max.)} \times (\text{GSM standard Average Power (mw)} / \text{tested maximum Average Power (mw)})$$
- Scaling SAR is 1.303 W/Kg (with maximum tune up power= 16.98dBm) < 1.6 W/Kg(Limit)

9.1.3. Test Result

SAR MEASUREMENT						
Ambient Temperature (°C) : 21 ± 2				Relative Humidity (%): 55		
Liquid Temperature (°C) : 21 ± 2				Depth of Liquid (cm):>15		
Product: 10.1” platinum						
Test Mode: 802.11b						
Test Position Body	Antenna Position	Frequency		Power Drift (<±5%)	SAR (1g) (W/kg)	Limit (W/kg)
		channel	MHz			
Body touch	Fixed	1	2412	0.12	0.831	1.6
Body touch	Fixed	6	2437	0.63	0.817	1.6
Body touch	Fixed	11	2462	-0.78	0.672	1.6
Front touch	Fixed	1	2412	-1.32	1.053	1.6
Front touch	Fixed	6	2437	0.08	1.102	1.6
Front touch	Fixed	11	2462	1.34	0.870	1.6
Horizontal near antenna (1)	Fixed	6	2437	-0.63	0.261	1.6
Horizontal away from antenna(2)	Fixed	6	2437	0.96	0.009	1.6
Vertical near antenna (3)	Fixed	6	2437	-0.78	0.127	1.6
Vertical away from antenna (4)	Fixed	6	2437	-0.13	0.037	1.6
Note 1: when the 1-g SAR is ≤ 0.8W/kg, testing for low and high channel is optional.						
Note 2: IEEE802.11b support DBPSK, DQPSK, CCK modulation mode, IEEE802.11g/n support OFDM, 16-QAM, 64-QAM modulation mode.						
Note 3: above test model see the Photographs						

SAR MEASUREMENT						
Ambient Temperature (°C) : 21 ± 2				Relative Humidity (%): 55		
Liquid Temperature (°C) : 21 ± 2				Depth of Liquid (cm):>15		
Product: 10.1" platinum						
Test Mode: 802.11g						
Test Position Body	Antenna Position	Frequency		Power Drift (<±5%)	SAR (1g) (W/kg)	Limit (W/kg)
		channel	MHz			
Body touch	Fixed	1	2412	1.36	0.869	1.6
Body touch	Fixed	6	2437	0.25	0.964	1.6
Body touch	Fixed	11	2462	-1.24	0.742	1.6
Front touch	Fixed	1	2412	-0.63	1.224	1.6
Front touch	Fixed	6	2437	-0.97	1.097	1.6
Front touch	Fixed	11	2462	-0.58	0.907	1.6
Horizontal near antenna (1)	Fixed	6	2437	0.66	0.260	1.6
Horizontal away from antenna(2)	Fixed	6	2437	0.28	0.009	1.6
Vertical near antenna (3)	Fixed	6	2437	1.95	0.135	1.6
Vertical away from antenna (4)	Fixed	6	2437	-0.75	0.039	1.6
Note 1: when the 1-g SAR is ≤ 0.8W/kg, testing for low and high channel is optional. Note 2: IEEE802.11b support DBPSK, DQPSK, CCK modulation mode, IEEE802.11g/n support OFDM, 16-QAM, 64-QAM modulation mode. Note 3: above test model see the Photographs						

SAR MEASUREMENT						
Ambient Temperature (°C) : 21 ± 2				Relative Humidity (%): 55		
Liquid Temperature (°C) : 21 ± 2				Depth of Liquid (cm):>15		
Product: 10.1” platinum						
Test Mode: 802.11n(20)						
Test Position Body	Antenna Position	Frequency		Power Drift (<±5%)	SAR (1g) (W/kg)	Limit (W/kg)
		channel	MHz			
Body touch	Fixed	6	2437	0.41	0.413	1.6
Front touch	Fixed	6	2437	-0.36	0.620	1.6
Horizontal near antenna (1)	Fixed	6	2437	1.12	0.159	1.6
Horizontal away from antenna(2)	Fixed	6	2437	0.85	0.004	1.6
Vertical near antenna (3)	Fixed	6	2437	1.62	0.081	1.6
Vertical away from antenna (4)	Fixed	6	2437	-0.36	0.025	1.6
Note 1: when the 1-g SAR is ≤ 0.8W/kg, testing for low and high channel is optional.						
Note 2: IEEE802.11b support DBPSK, DQPSK, CCK modulation mode, IEEE802.11g/n support OFDM, 16-QAM, 64-QAM modulation mode.						
Note 3: above test model see the Photographs						

SAR MEASUREMENT								
Ambient Temperature (°C) : 21 ± 2						Relative Humidity (%): 55		
Liquid Temperature (°C) : 21 ± 2						Depth of Liquid (cm):>15		
Product: 10.1” platinum								
Test Mode: Hotspot								
Configuration			Antenna Position	Frequency		Power Drift (<±5%)	SAR (1g) (W/kg)	Limit (W/kg)
Test Mode	Position	Status		channel	MHz			
802.11 b	Body Back	MS	Fixed	1	2412	0.13	0.897	1.6
				6	2437	0.08	0.995	1.6
				11	2462	-0.35	1.102	1.6
802.11 g	Body front	MS	Fixed	1	2412	0.63	0.847	1.6
				6	2437	-1.13	0.933	1.6
				11	2462	-0.53	0.914	1.6
802.11 n(20)	Body Back	MS with Earphone	Fixed	1	2412	--	--	--
				6	2437	-0.62	0.447	1.6
				11	2462	--	--	--
Note: when the 1-g SAR is ≤ 0.8 W/kg, testing for low and high channel is optional.								

Appendix A. SAR System Validation Data

Test Laboratory: AGC Lab

Date: Jul.11, 2013

System Check Body 2450 MHz

DUT: Dipole 2450 MHz Type: SID 2450

Communication System: CW; Communication System Band: D2450 (2450.0 MHz); Duty Cycle: 1:1;
Conv.F=4.32

Frequency: 2450 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³;

Phantom section: Flat Section; Input Power=10dBm

Ambient temperature (°C): 21, Liquid temperature (°C): 21

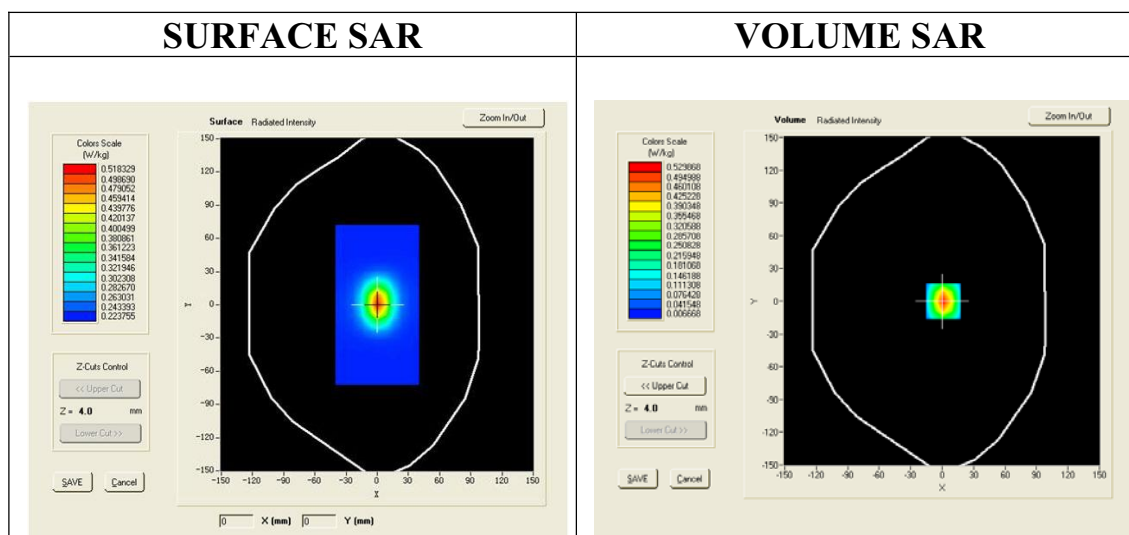
SATIMO Configuration:

Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

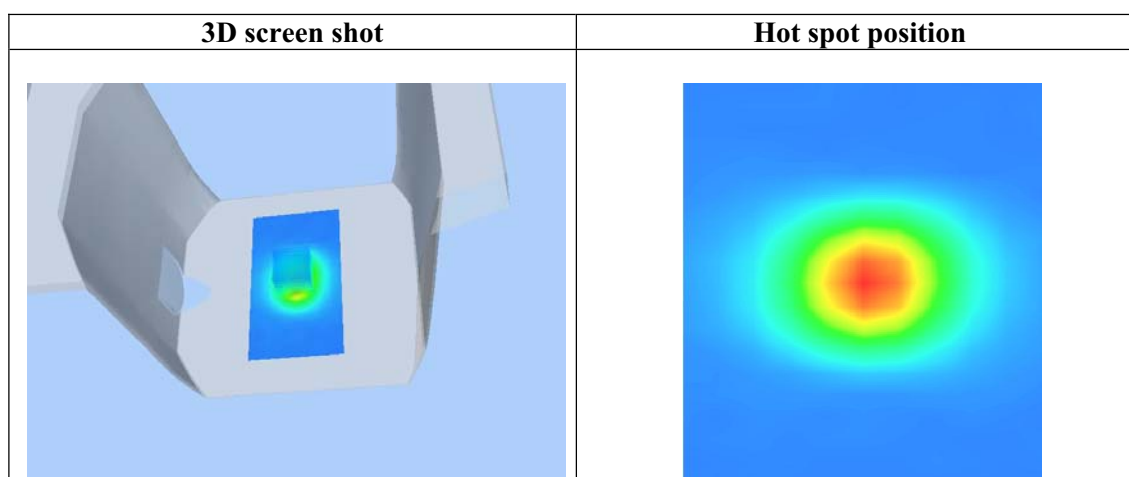
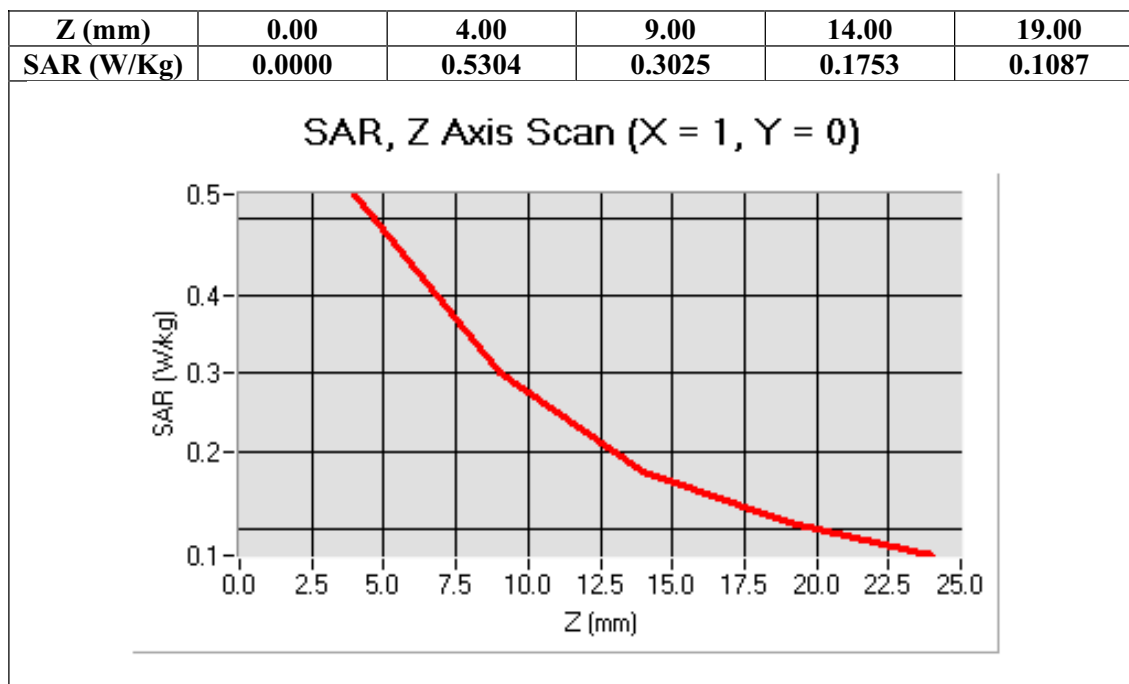
Configuration/System Check 2450 MHz Body /Area Scan: Measurement grid: dx=8mm,dy=8mm

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



Maximum location: X=1.00, Y=0.00

SAR 10g (W/Kg)	0.234279
SAR 1g (W/Kg)	0.479688



Appendix B. SAR measurement Data

WIFI MODE

Test Laboratory: AGC Lab
802.11b Low-Body-Worn- Touch

Date: Jul.11, 2013

DUT: 10.1" platinum; Type: AC101PL

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Conv.F=4.32;
Frequency: 2412 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C):21, Liquid temperature (°C):21

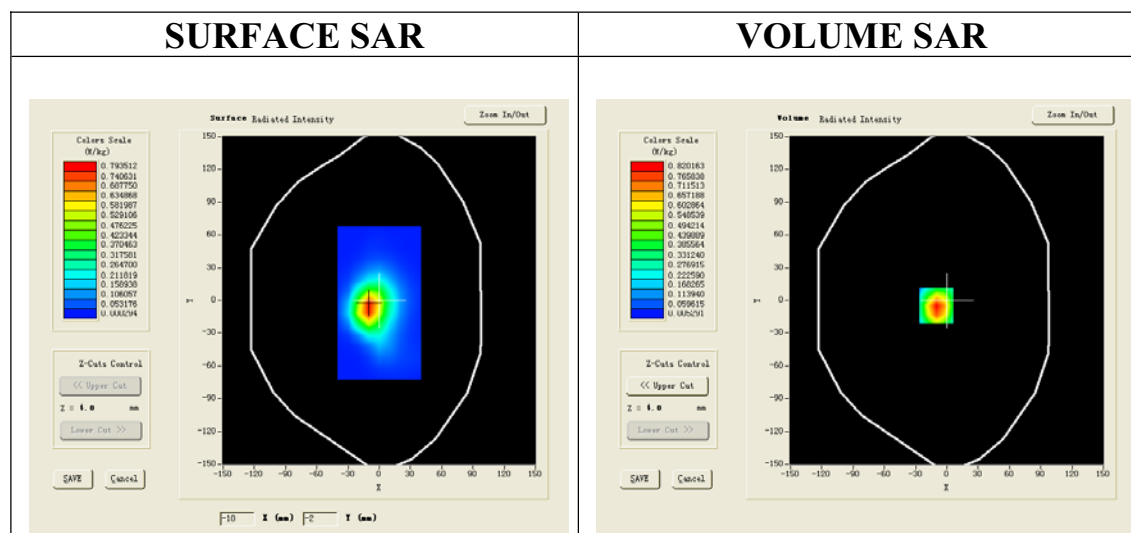
SATIMO Configuration:

Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/802.11b Low- Body- Touch /Area Scan (6x8x1): Measurement grid: dx=20mm, dy=20mm
Configuration/802.11b Low- Body- Touch /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Body Touch
Band	2450MHz
Channels	Low
Signal	TDMA (Crest factor: 8.0)



Maximum location: X=-10.00, Y=-5.00

SAR 10g (W/Kg)	0.395793
SAR 1g (W/Kg)	0.830897

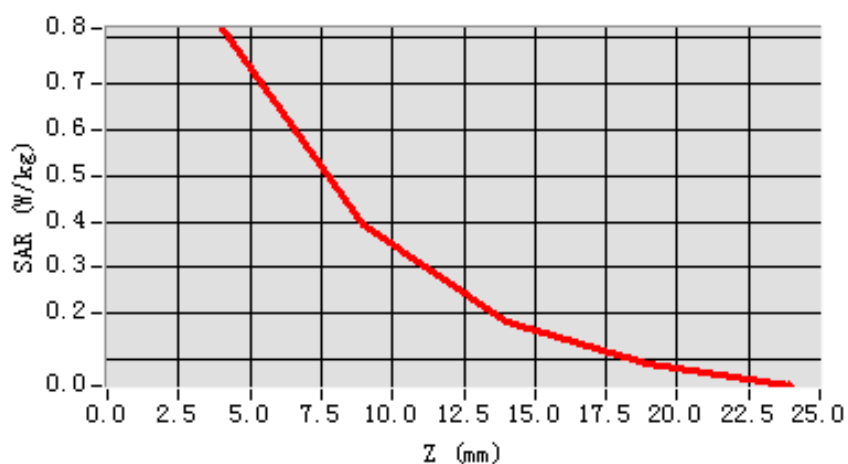
Test Report No.: EFSN13060712E-8

Eurofins Testing Technology (Shenzhen) Co., Ltd.

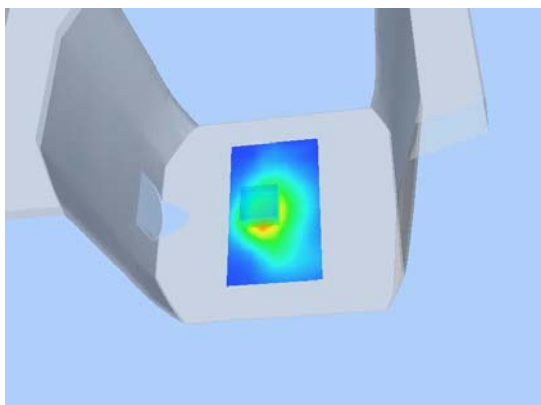
3A, F1.6, Tianfa Building, Tian'an Cyber Park, Futian District, Shenzhen City, GD,PRC 518040

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.8202	0.3913	0.1828	0.0900

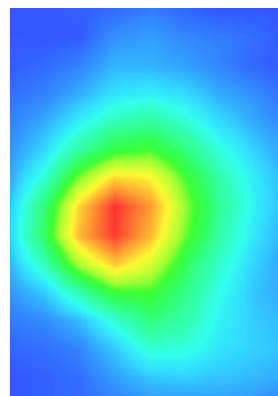
SAR, Z Axis Scan (X = -10, Y = -5)



3D screen shot



Hot spot position



Test Laboratory: AGC Lab
802.11b Mid-Body-Worn- Touch

Date: Jul.11, 2013

DUT: 10.1" platinum; Type: AC101PL

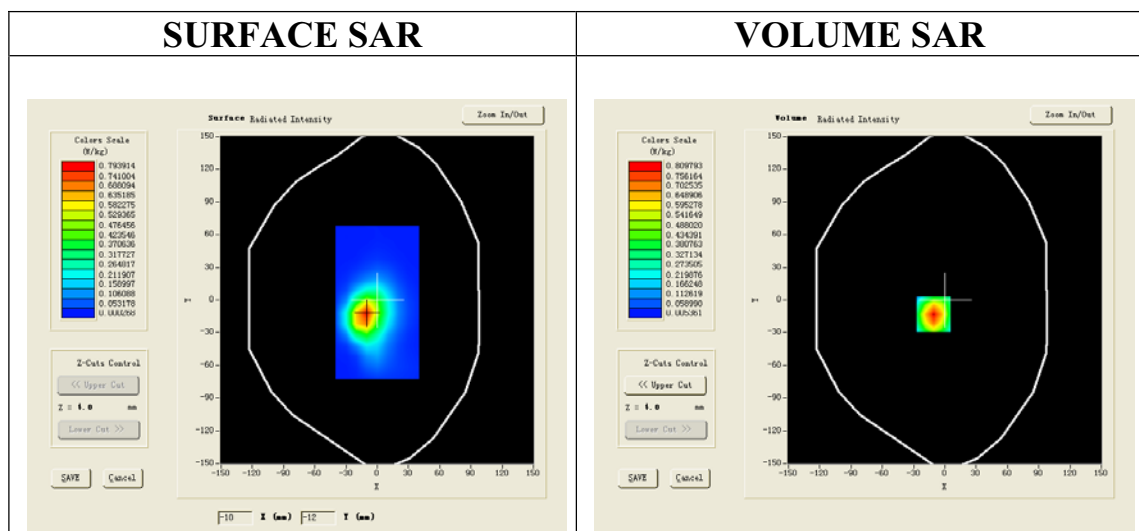
Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Conv.F=4.32;
Frequency: 2437 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C):21, Liquid temperature (°C):21

SATIMO Configuration:

- Probe: EP165; Calibrated: 01/31/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/802.11b Mid- Body- Touch /Area Scan (6x8x1): Measurement grid: dx=20mm, dy=20mm
Configuration/802.11b Mid- Body- Touch /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Body Touch
Band	2450MHz
Channels	Middle
Signal	TDMA (Crest factor: 8.0)



Maximum location: X=-11.00, Y=-13.00

SAR 10g (W/Kg)	0.389399
SAR 1g (W/Kg)	0.817103

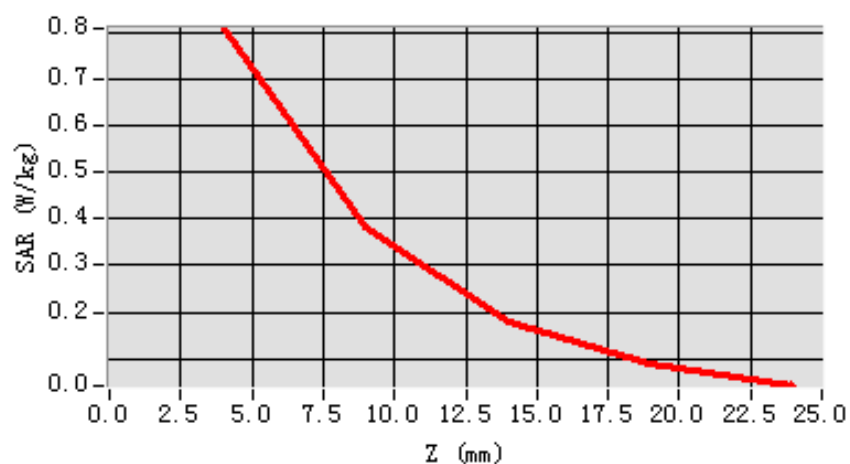
Test Report No.: EFSN13060712E-8

Eurofins Testing Technology (Shenzhen) Co., Ltd.

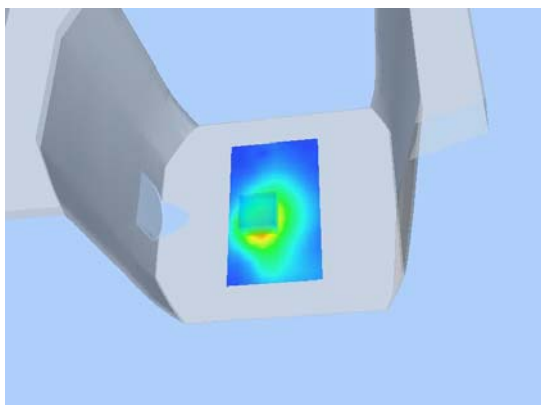
3A, F1.6, Tianfa Building, Tian'an Cyber Park, Futian District, Shenzhen City, GD,PRC 518040

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.8098	0.3839	0.1778	0.0868

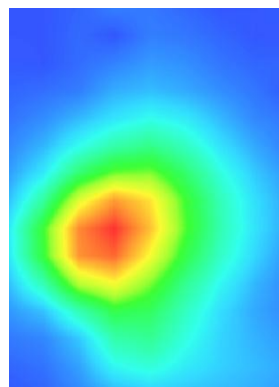
SAR, Z Axis Scan (X = -11, Y = -13)



3D screen shot



Hot spot position



Test Laboratory: AGC Lab
802.11b High-Body-Worn- Touch

Date: Jul.11, 2013

DUT: 10.1" platinum; Type: AC101PL

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Conv.F=4.32;
Frequency: 2462 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C):21, Liquid temperature (°C):21

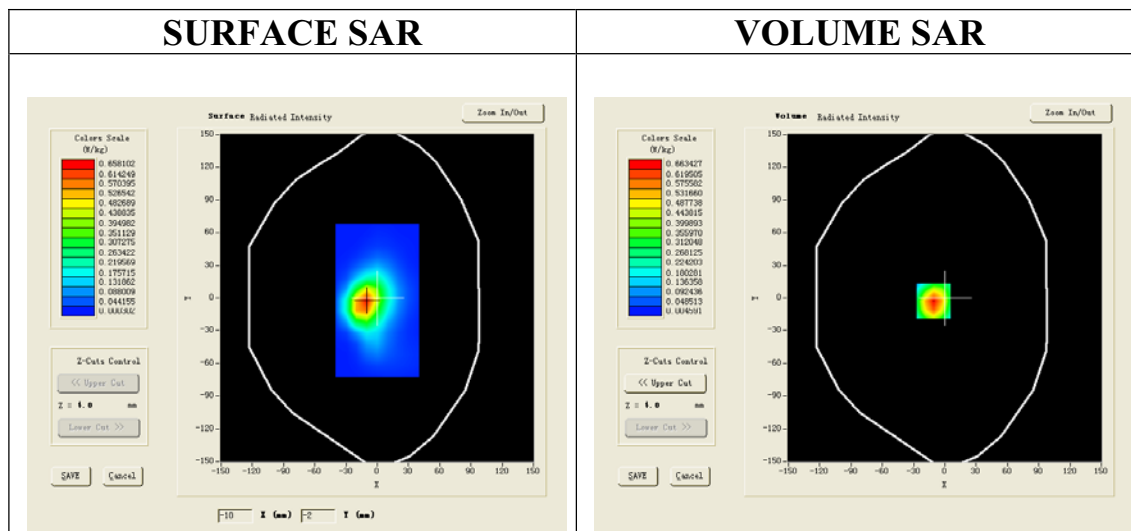
SATIMO Configuration:

Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

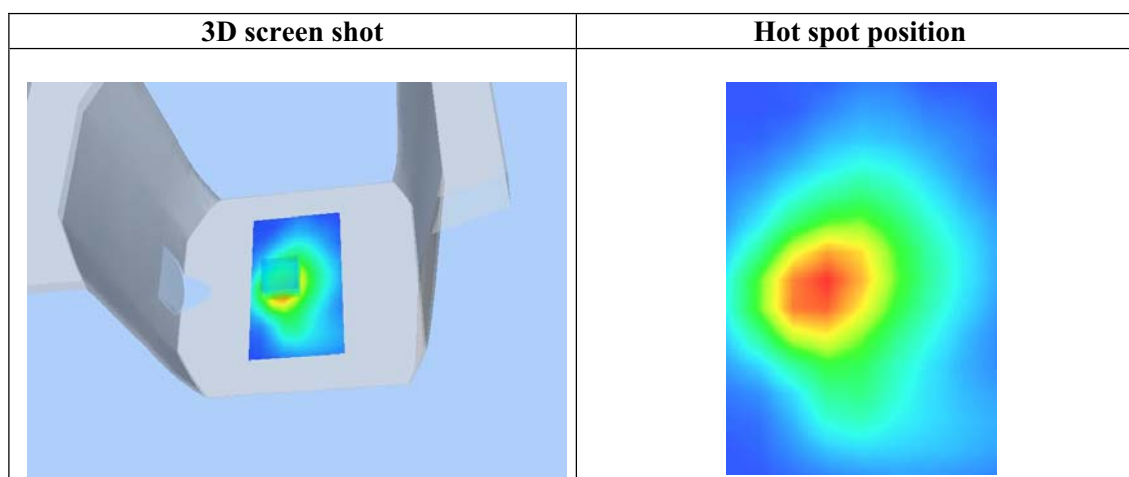
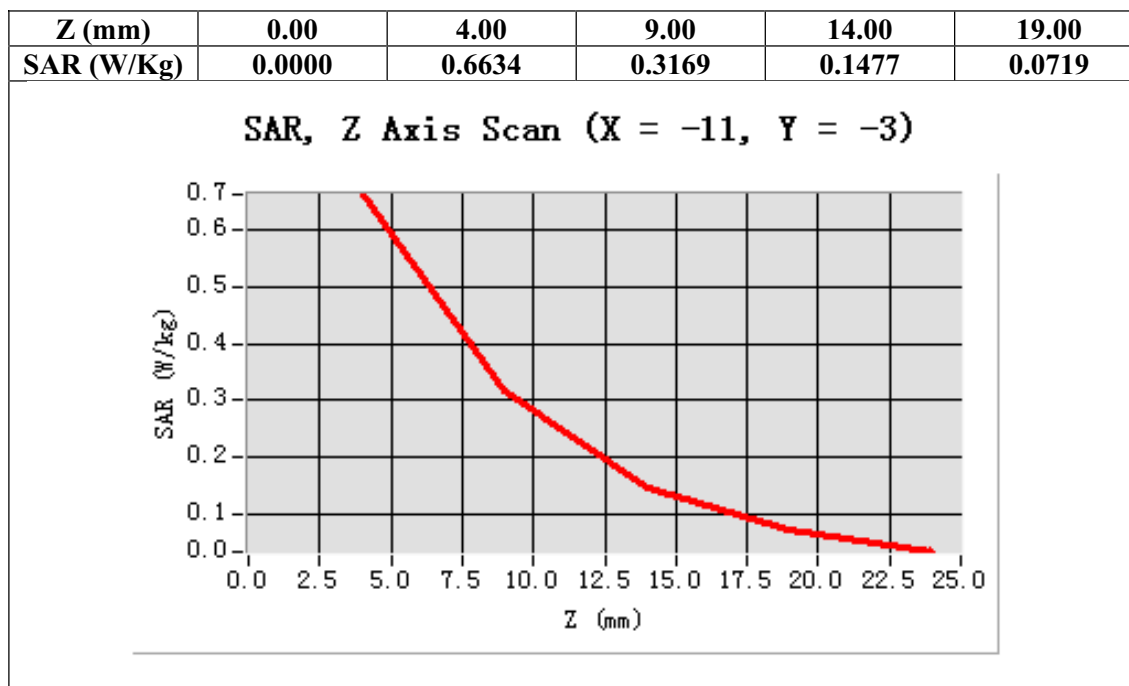
Configuration/802.11b High- Body- Touch /Area Scan (6x8x1): Measurement grid: dx=20mm, dy=20mm
Configuration/802.11b High- Body- Touch /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Body Touch
Band	2450MHz
Channels	High
Signal	TDMA (Crest factor: 8.0)



Maximum location: X=-11.00, Y=-3.00

SAR 10g (W/Kg)	0.322498
SAR 1g (W/Kg)	0.671852



Test Laboratory: AGC Lab
802.11b Low- Body- Front

Date: Jul.11, 2013

DUT: 10.1" platinum; Type: AC101PL

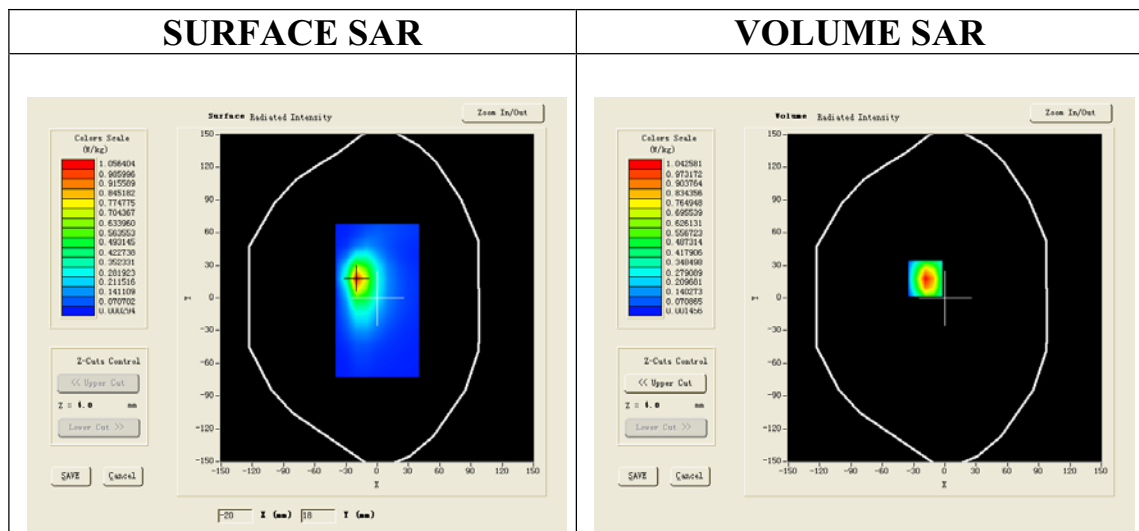
Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Conv.F=4.32;
Frequency: 2412 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

SATIMO Configuration:

- Probe: EP165; Calibrated: 01/31/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/802.11b Low-Body- Front /Area Scan (6x8x1): Measurement grid: dx=20mm, dy=20mm
Configuration/802.11b Low-Body- Front Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Body Front
Band	2450MHz
Channels	Low
Signal	TDMA (Crest factor: 8.0)



Maximum location: X=-19.00, Y=18.00

SAR 10g (W/Kg)	0.457835
SAR 1g (W/Kg)	1.052988

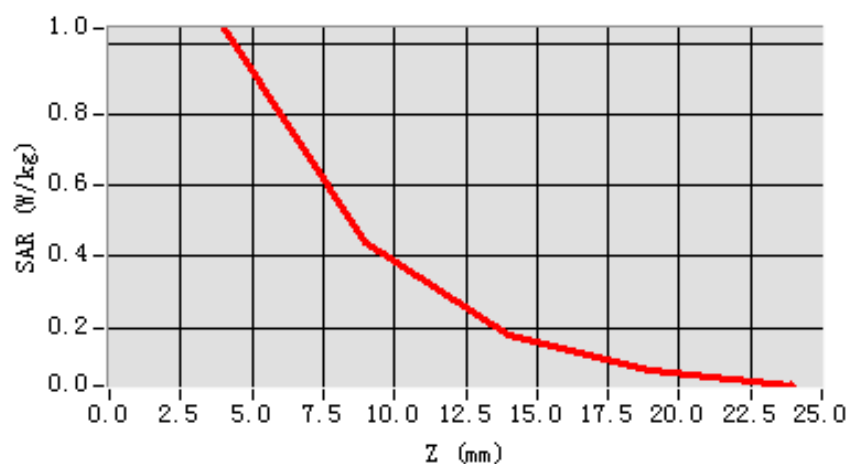
Test Report No.: EFSN13060712E-8

Eurofins Testing Technology (Shenzhen) Co., Ltd.

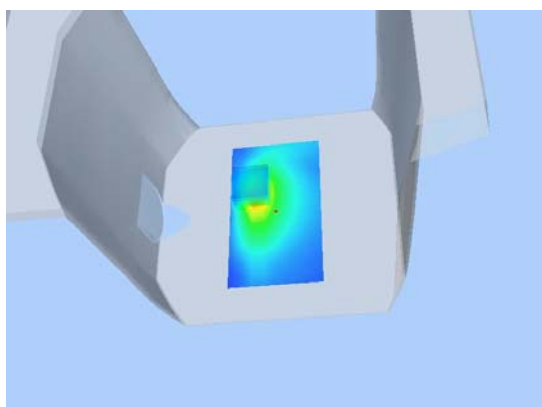
3A, F1.6, Tianfa Building, Tian'an Cyber Park, Futian District, Shenzhen City, GD, PRC 518040

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	1.0426	0.4413	0.1793	0.0795

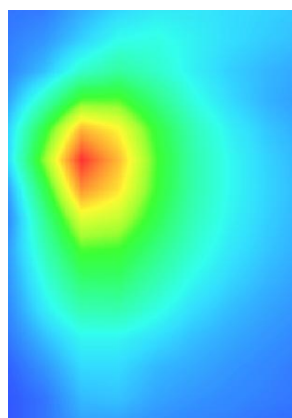
SAR, Z Axis Scan (X = -19, Y = 18)



3D screen shot



Hot spot position



Test Laboratory: AGC Lab
802.11b Mid- Body- Front

Date: Jul.11, 2013

DUT: 10.1" platinum; Type: AC101PL

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Conv.F=4.32;
Frequency: 2437 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

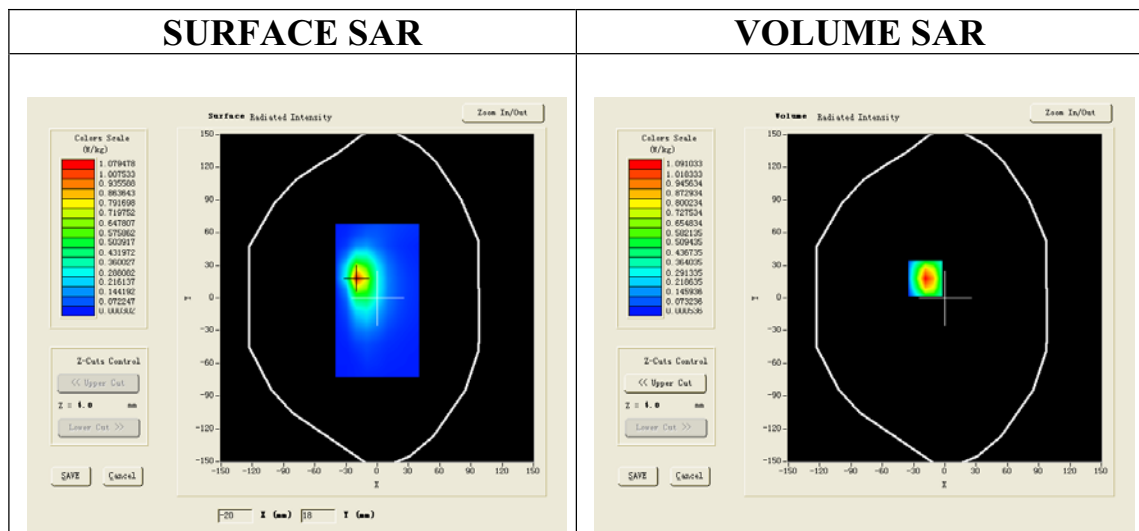
SATIMO Configuration:

Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/802.11b Mid-Body- Front /Area Scan (6x8x1): Measurement grid: dx=20mm, dy=20mm
Configuration/802.11b Mid-Body- Front Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Body Front
Band	2450MHz
Channels	Middle
Signal	TDMA (Crest factor: 8.0)

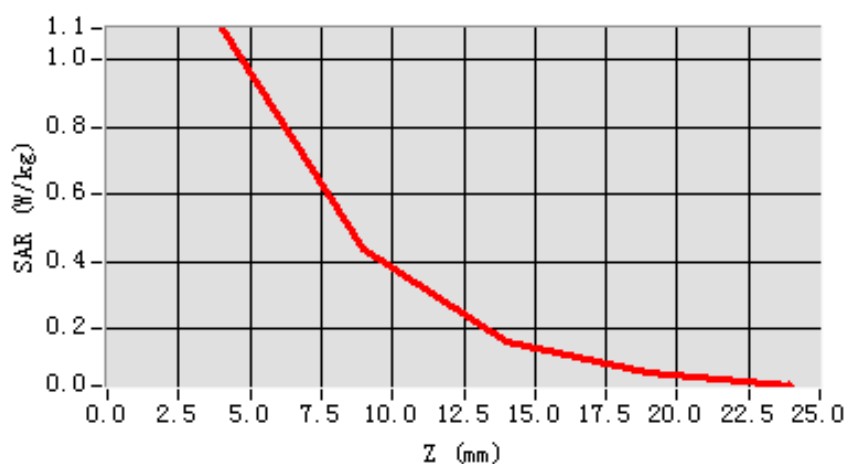


Maximum location: X=-19.00, Y=18.00

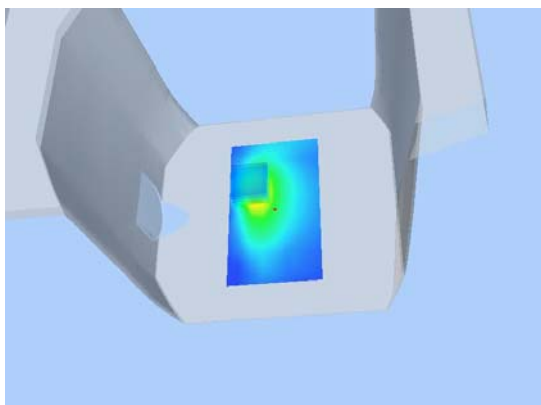
SAR 10g (W/Kg)	0.464239
SAR 1g (W/Kg)	1.101944

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	1.0910	0.4341	0.1637	0.0692

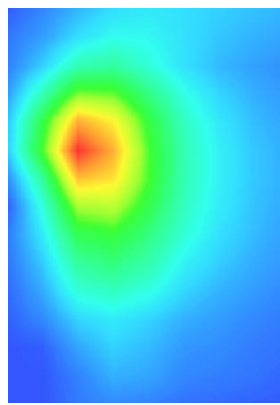
SAR, Z Axis Scan (X = -19, Y = 18)



3D screen shot



Hot spot position



Test Laboratory: AGC Lab
802.11b High- Body- Front

Date: Jul.11, 2013

DUT: 10.1" platinum; Type: AC101PL

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Conv.F=4.32;
Frequency: 2462 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

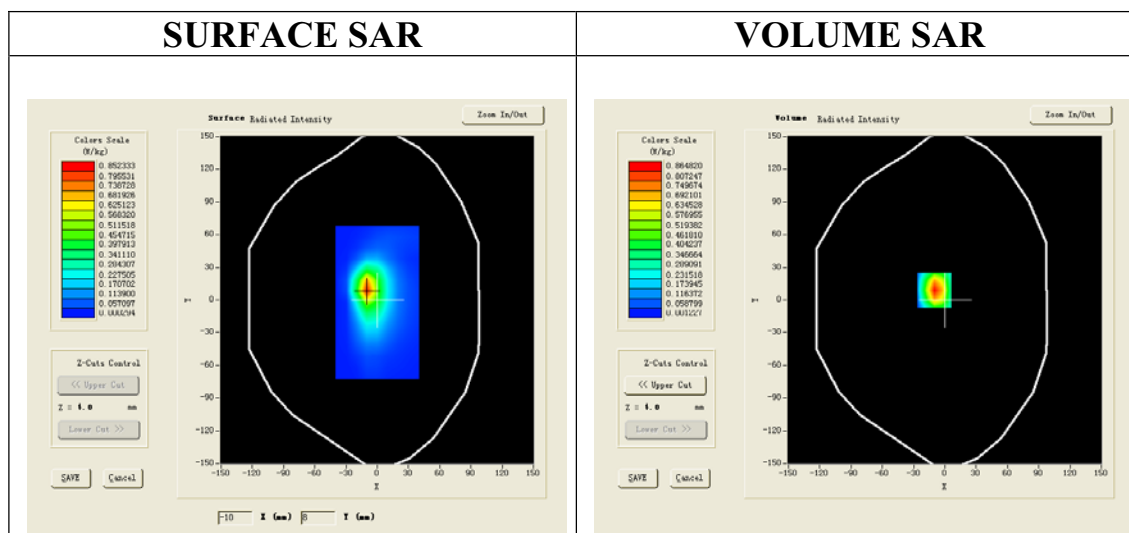
SATIMO Configuration:

Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/802.11b High-Body- Front /Area Scan (6x8x1): Measurement grid: dx=20mm, dy=20mm
Configuration/802.11b High-Body- Front Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Body Front
Band	2450MHz
Channels	High
Signal	TDMA (Crest factor: 8.0)

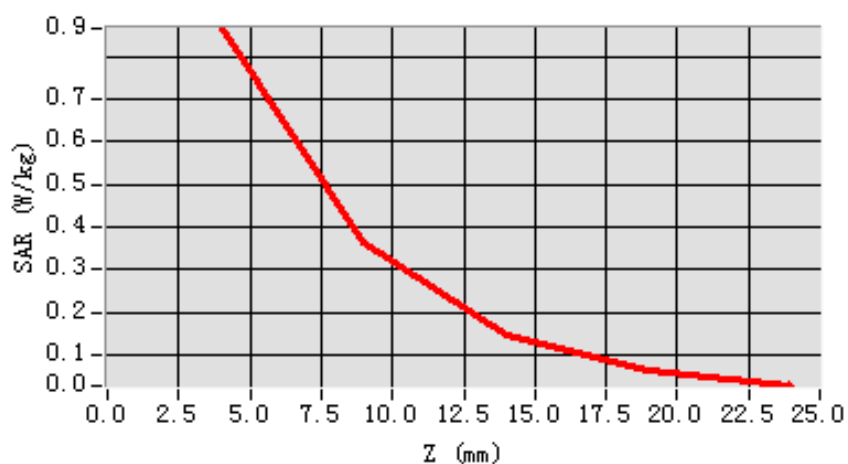


Maximum location: X=-10.00, Y=9.00

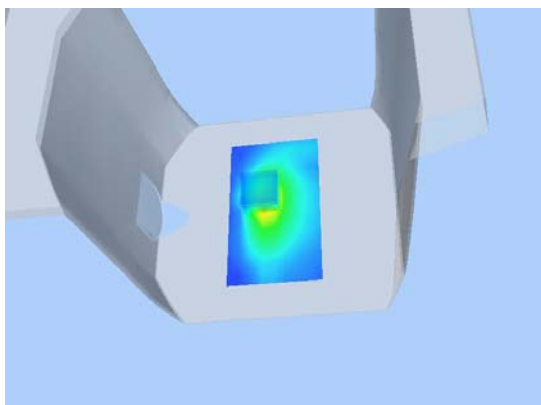
SAR 10g (W/Kg)	0.375952
SAR 1g (W/Kg)	0.870447

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.8648	0.3646	0.1464	0.0631

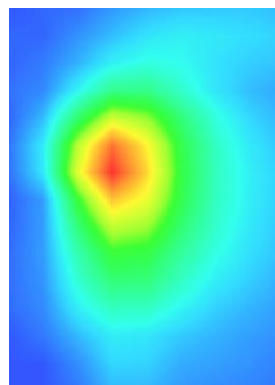
SAR, Z Axis Scan (X = -10, Y = 9)



3D screen shot



Hot spot position



Test Laboratory: AGC Lab

Date: Jul.11, 2013

802.11b Mid -Horizontal near antenna

DUT: 10.1" platinum; Type: AC101PL

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Conv.F=4.32;
Frequency: 2437 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section

Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

SATIMO Configuration:

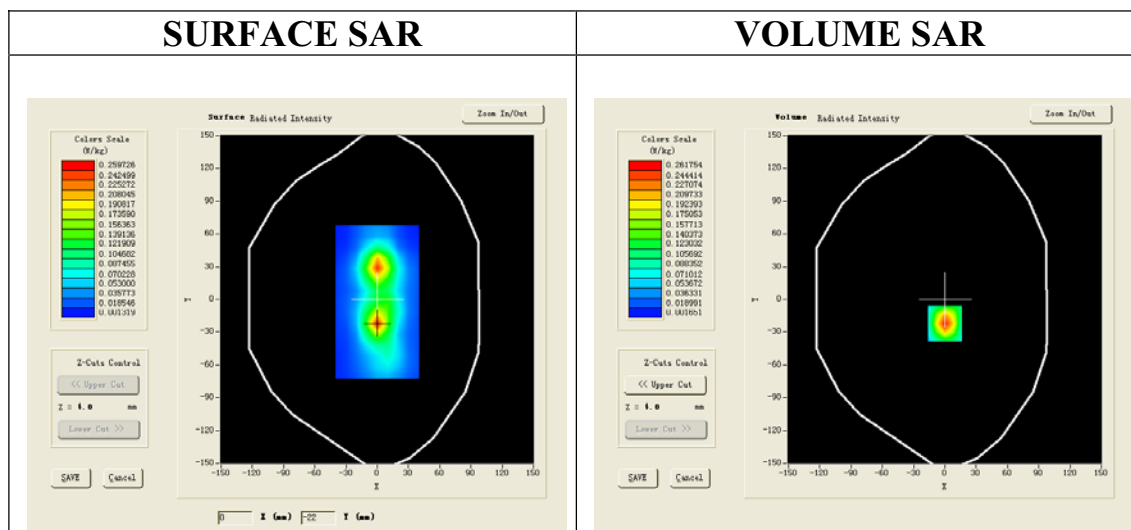
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/802.11b Mid -Horizontal near antenna /Area Scan (6x8x1): Measurement grid: dx=20mm, dy=20mm

Configuration/802.11b Mid-Horizontal near antenna /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Horizontal
Band	2450MHz
Channels	Middle
Signal	TDMA (Crest factor: 1.0)



Maximum location: X=0.00, Y=-22.00

SAR 10g (W/Kg)	0.115952
SAR 1g (W/Kg)	0.261158

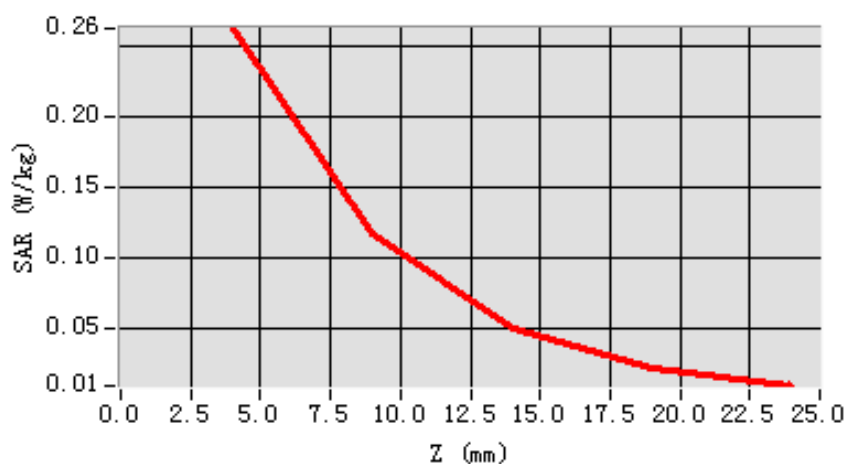
Test Report No.: EFSN13060712E-8

Eurofins Testing Technology (Shenzhen) Co., Ltd.

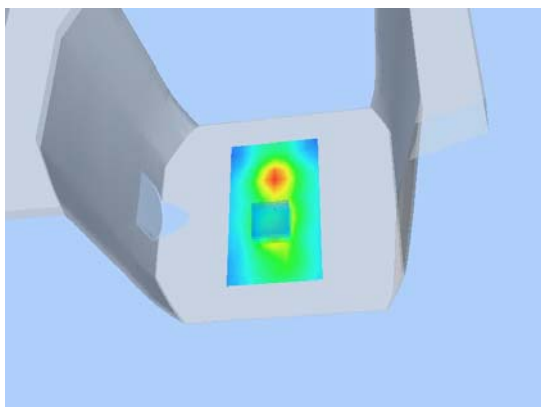
3A, F1.6, Tianfa Building, Tian'an Cyber Park, Futian District, Shenzhen City, GD,PRC 518040

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.2618	0.1159	0.0490	0.0216

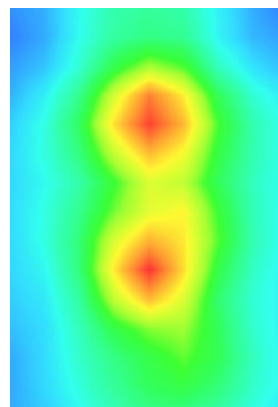
SAR, Z Axis Scan (X = 0, Y = -22)



3D screen shot



Hot spot position



Test Laboratory: AGC Lab

Date: Jul.11, 2013

802.11b Mid -Horizontal away from antenna

DUT: 10.1" platinum; Type: AC101PL

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Conv.F=4.32;
Frequency: 2437 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

Satimo Configuration:

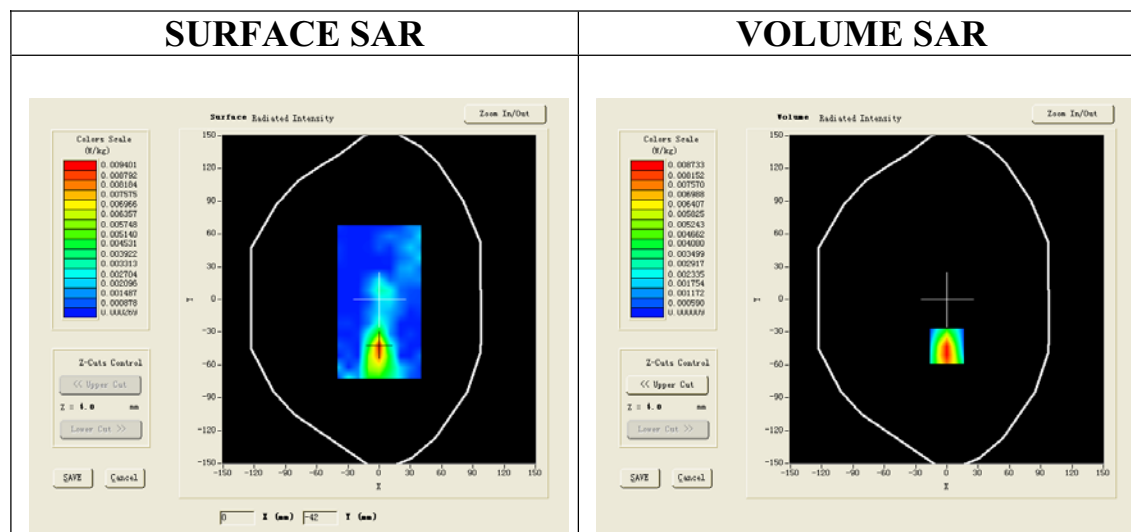
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/802.11b Mid -Horizontal away from antenna /Area Scan (6x8x1): Measurement grid:
dx=20mm, dy=20mm

Configuration/802.11b Mid-Horizontal away from antenna /Zoom Scan (5x5x7)/Cube 0: Measurement
grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Horizontal
Band	2450MHz
Channels	Middle
Signal	TDMA (Crest factor: 1.0)



Maximum location: X=0.00, Y=-43.00

SAR 10g (W/Kg)	0.003902
SAR 1g (W/Kg)	0.008867

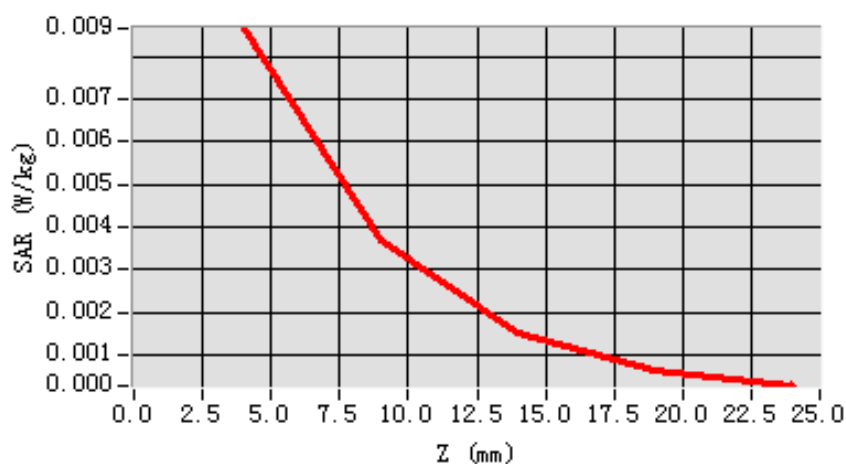
Test Report No.: EFSN13060712E-8

Eurofins Testing Technology (Shenzhen) Co., Ltd.

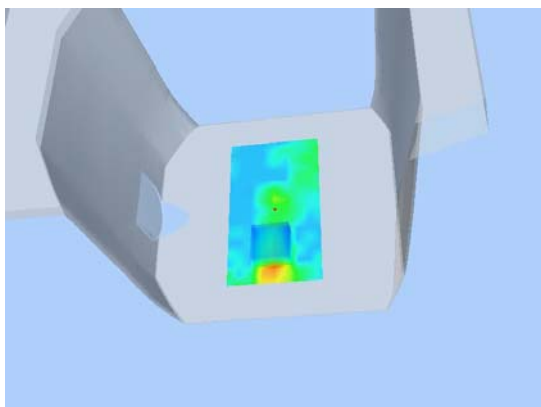
3A, F1.6, Tianfa Building, Tian'an Cyber Park, Futian District, Shenzhen City, GD,PRC 518040

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.0087	0.0037	0.0015	0.0007

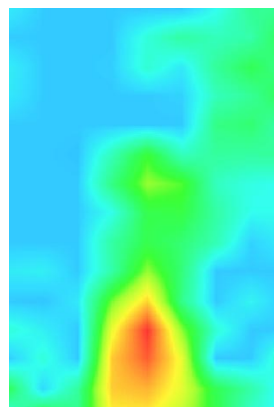
SAR, Z Axis Scan (X = 0, Y = -43)



3D screen shot



Hot spot position



Test Laboratory: AGC Lab

Date: Jul.11, 2013

802.11b Mid -Vertical near antenna

DUT: 10.1" platinum; Type: AC101PL

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Conv.F=4.32;
Frequency: 2437 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

Satimo Configuration:

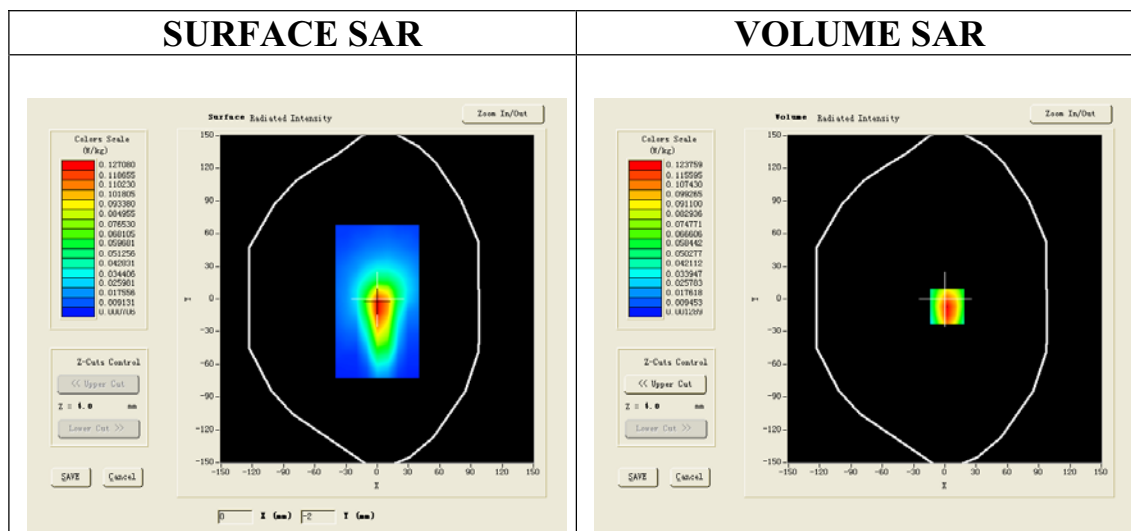
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/802.11b Mid-Vertical near antenna /Area Scan (6x8x1): Measurement grid: dx=20mm, dy=20mm

Configuration/802.11b Mid -Vertical near antenna /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Vertical
Band	2450MHz
Channels	Middle
Signal	TDMA (Crest factor: 1.0)



Maximum location: X=2.00, Y=-7.00

SAR 10g (W/Kg)	0.062452
SAR 1g (W/Kg)	0.126672

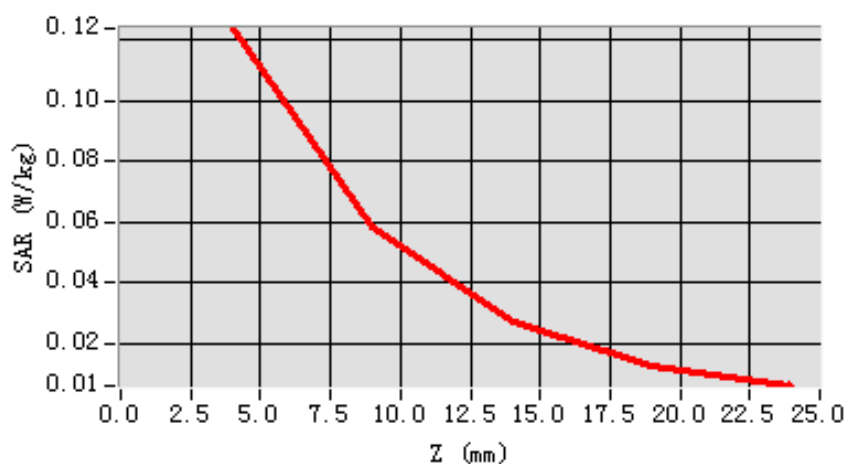
Test Report No.: EFSN13060712E-8

Eurofins Testing Technology (Shenzhen) Co., Ltd.

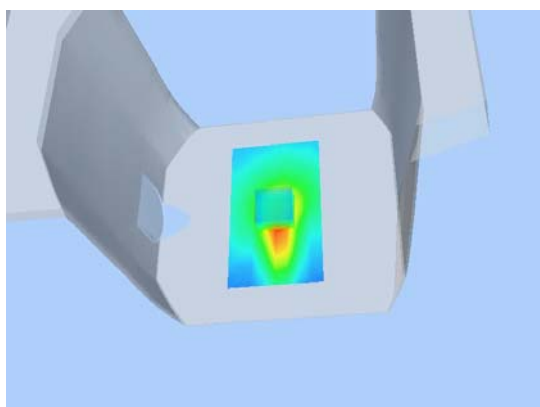
3A, F1.6, Tianfa Building, Tian'an Cyber Park, Futian District, Shenzhen City, GD,PRC 518040

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.1238	0.0583	0.0268	0.0129

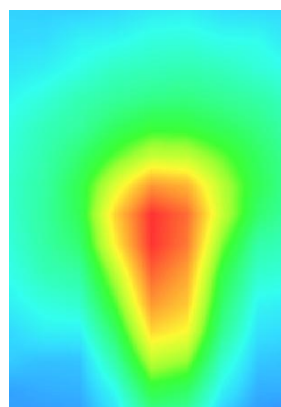
SAR, Z Axis Scan (X = 2, Y = -7)



3D screen shot



Hot spot position



Test Laboratory: AGC Lab

Date: Jul.11, 2013

802.11b Mid -Vertical away from antenna

DUT: 10.1" platinum; Type: AC101PL

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Conv.F=4.32;

Frequency: 2437 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³ ;

Phantom section: Flat Section

Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

Satimo Configuration:

Probe: EP165; Calibrated: 01/31/2013

• Sensor-Surface: 4mm (Mechanical Surface Detection)

• Phantom: Flat Phantom; Type: Elliptical Phantom

• Measurement SW: OpenSAR V4_02_01

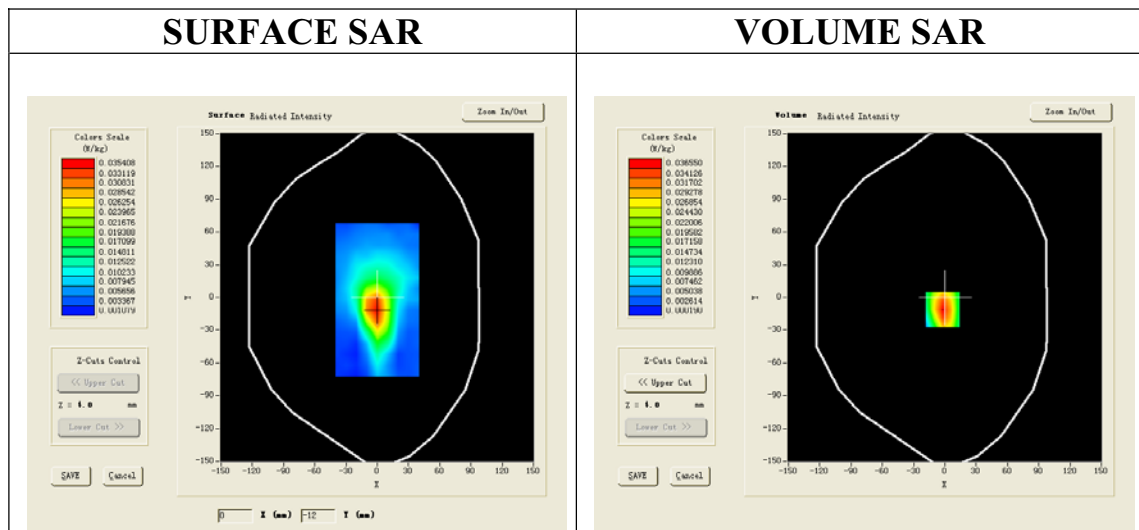
Configuration/802.11b Mid-Vertical away from antenna /Area Scan (6x8x1): Measurement grid:

dx=20mm, dy=20mm

Configuration/802.11b Mid -Vertical away from antenna /Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm,dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Vertical
Band	2450MHz
Channels	Middle
Signal	TDMA (Crest factor: 1.0)



Maximum location: X=-2.00, Y=-11.00

SAR 10g (W/Kg)	0.018071
SAR 1g (W/Kg)	0.036841

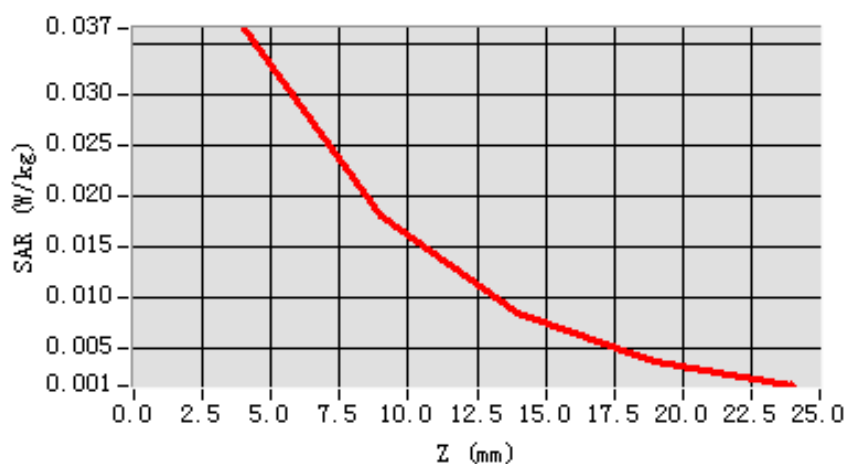
Test Report No.: EFSN13060712E-8

Eurofins Testing Technology (Shenzhen) Co., Ltd.

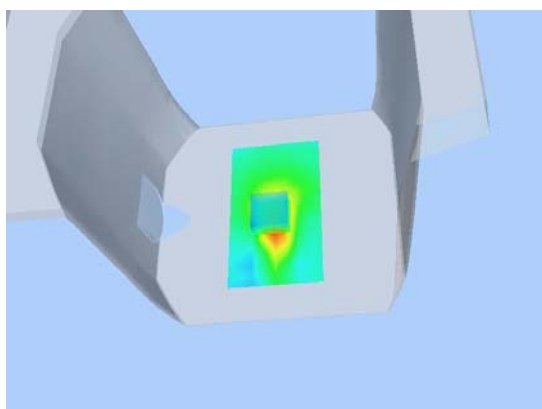
3A, F1.6, Tianfa Building, Tian'an Cyber Park, Futian District, Shenzhen City, GD,PRC 518040

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.0365	0.0181	0.0083	0.0036

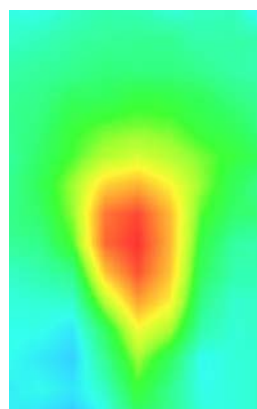
SAR, Z Axis Scan (X = -2, Y = -11)



3D screen shot



Hot spot position



Test Laboratory: AGC Lab
802.11g Low-Body-Worn- Touch

Date: Jul.11, 2013

DUT: 10.1" platinum; Type: AC101PL

Communication System: Wi-Fi; Communication System Band: 802.11g; Duty Cycle: 1:1; Conv.F=4.32;
Frequency: 2412 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C):21, Liquid temperature (°C):21

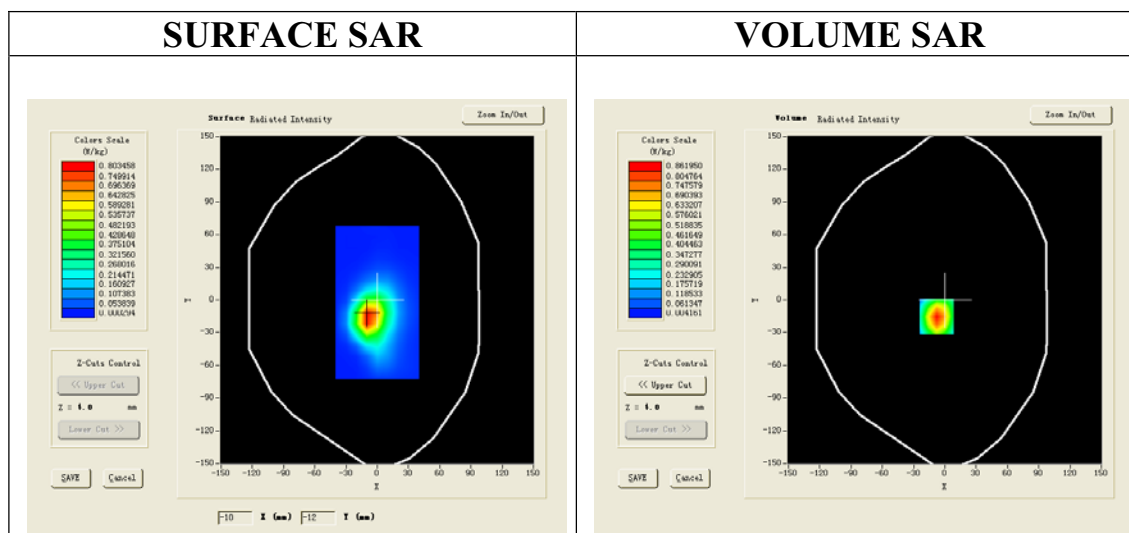
SATIMO Configuration:

Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/802.11g Low- Body- Touch /Area Scan (6x8x1): Measurement grid: dx=20mm, dy=20mm
Configuration/802.11g Low- Body- Touch /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Body Touch
Band	2450MHz
Channels	Low
Signal	TDMA (Crest factor: 8.0)

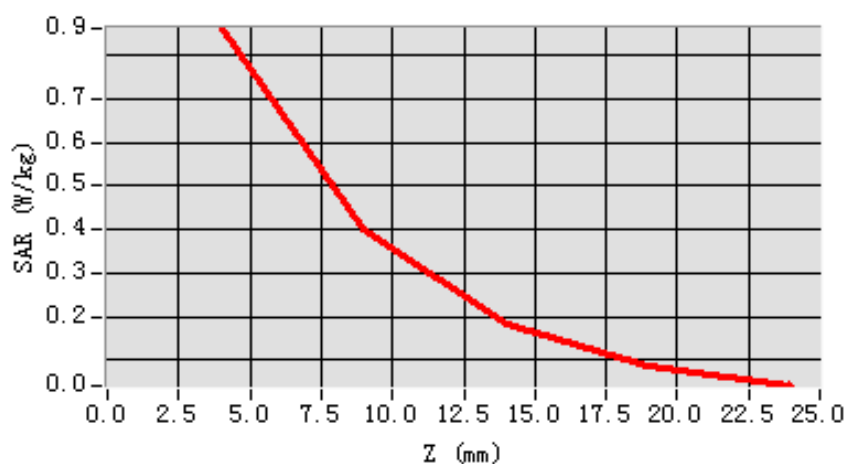


Maximum location: X=-8.00, Y=-15.00

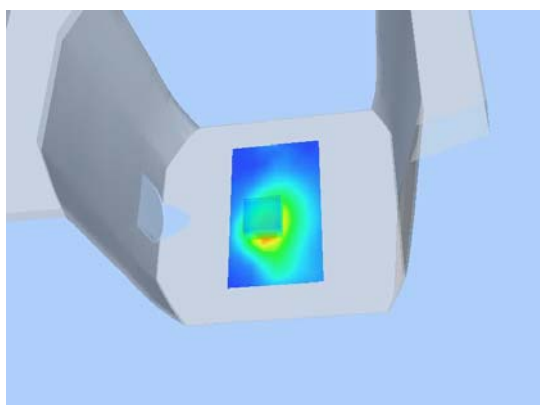
SAR 10g (W/Kg)	0.406814
SAR 1g (W/Kg)	0.869120

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.8619	0.4016	0.1827	0.0881

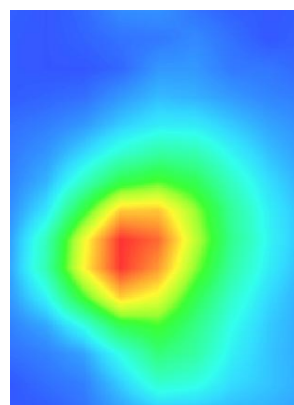
SAR, Z Axis Scan (X = -8, Y = -15)



3D screen shot



Hot spot position



Test Laboratory: AGC Lab
802.11g Mid-Body-Worn- Touch

Date: Jul.11, 2013

DUT: 10.1" platinum; Type: AC101PL

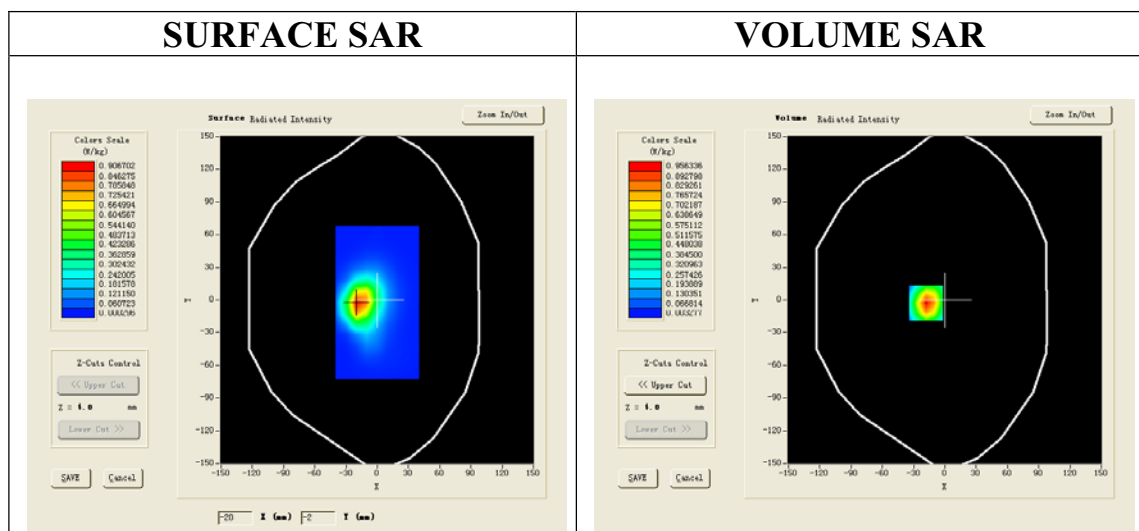
Communication System: Wi-Fi; Communication System Band: 802.11g; Duty Cycle: 1:1; Conv.F=4.32;
Frequency: 2437 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C):21, Liquid temperature (°C):21

SATIMO Configuration:

- Probe: EP165; Calibrated: 01/31/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/802.11g Mid- Body- Touch /Area Scan (6x8x1): Measurement grid: dx=20mm, dy=20mm
Configuration/802.11g Mid- Body- Touch /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Body Touch
Band	2450MHz
Channels	Middle
Signal	TDMA (Crest factor: 8.0)



Maximum location: X=-18.00, Y=-3.00

SAR 10g (W/Kg)	0.439489
SAR 1g (W/Kg)	0.964114

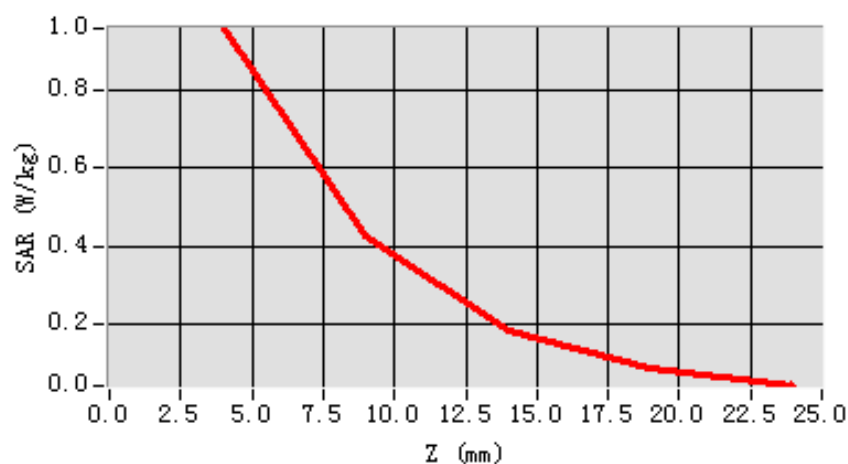
Test Report No.: EFSN13060712E-8

Eurofins Testing Technology (Shenzhen) Co., Ltd.

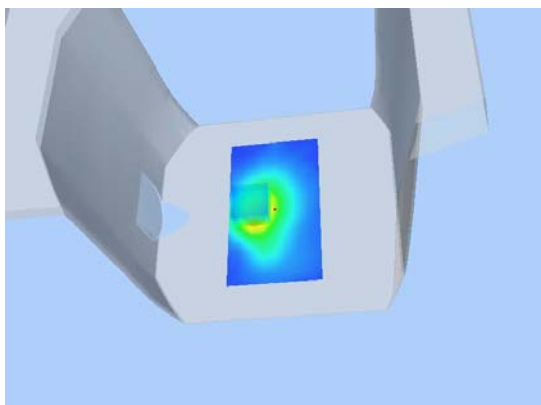
3A, F1.6, Tianfa Building, Tian'an Cyber Park, Futian District, Shenzhen City, GD,PRC 518040

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.9563	0.4275	0.1866	0.0886

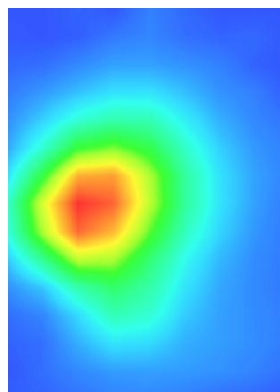
SAR, Z Axis Scan (X = -18, Y = -3)



3D screen shot



Hot spot position



Test Laboratory: AGC Lab
802.11g High-Body-Worn- Touch

Date: Jul.11, 2013

DUT: 10.1" platinum; Type: AC101PL

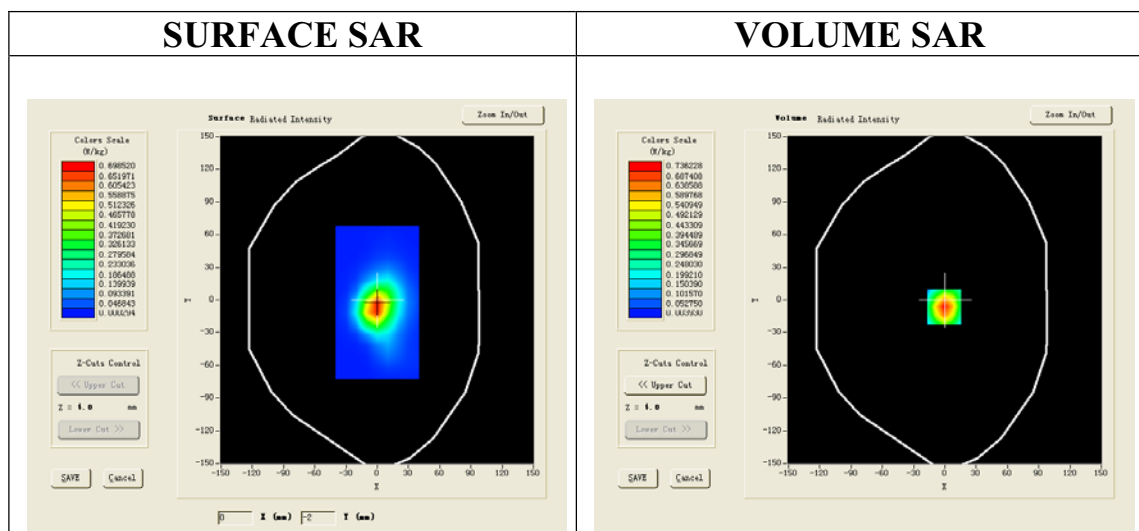
Communication System: Wi-Fi; Communication System Band: 802.11g; Duty Cycle: 1:1; Conv.F=4.32;
Frequency: 2462 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C):21, Liquid temperature (°C):21

SATIMO Configuration:

- Probe: EP165; Calibrated: 01/31/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/802.11g High- Body- Touch /Area Scan (6x8x1): Measurement grid: dx=20mm, dy=20mm
Configuration/802.11g High- Body- Touch /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Body Touch
Band	2450MHz
Channels	High
Signal	TDMA (Crest factor: 8.0)



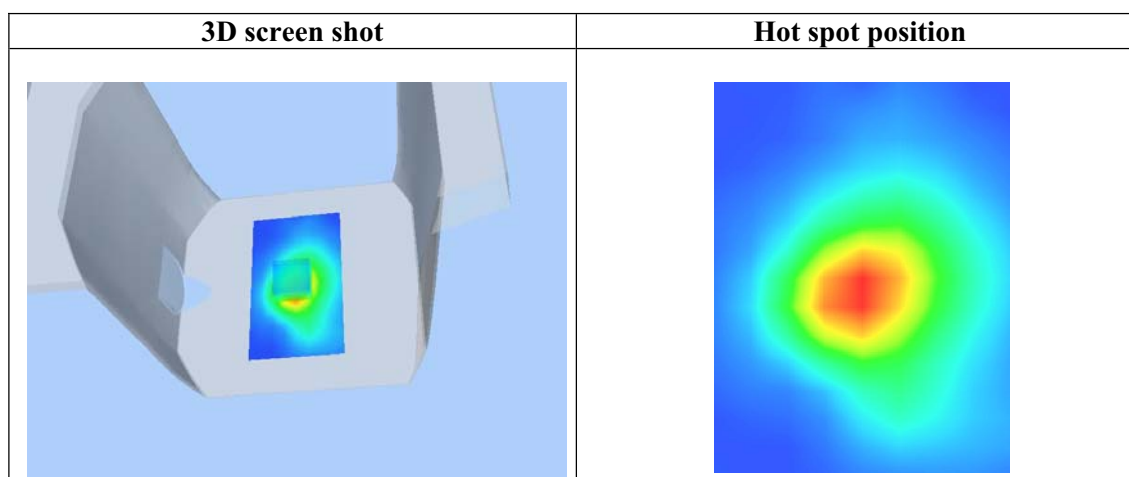
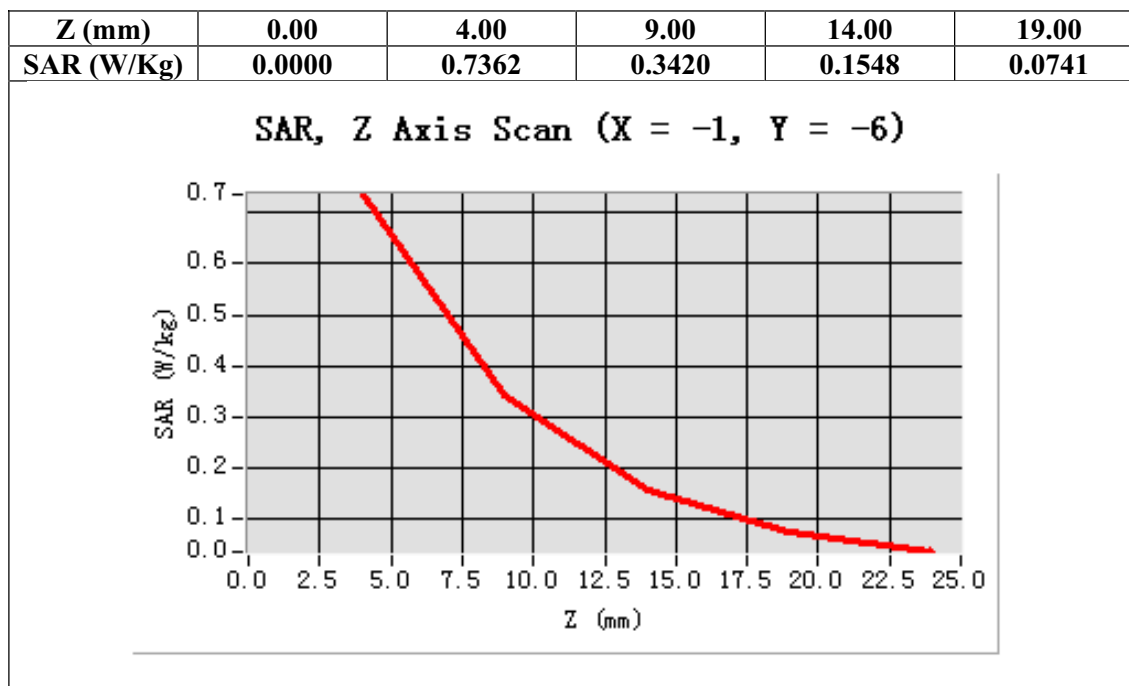
Maximum location: X=-1.00, Y=-6.00

SAR 10g (W/Kg)	0.346206
SAR 1g (W/Kg)	0.741669

Test Report No.: EFSN13060712E-8

Eurofins Testing Technology (Shenzhen) Co., Ltd.

3A, F1.6, Tianfa Building, Tian'an Cyber Park, Futian District, Shenzhen City, GD,PRC 518040



Test Laboratory: AGC Lab
802.11g Low- Body- Front

Date: Jul.11, 2013

DUT: 10.1" platinum; Type: AC101PL

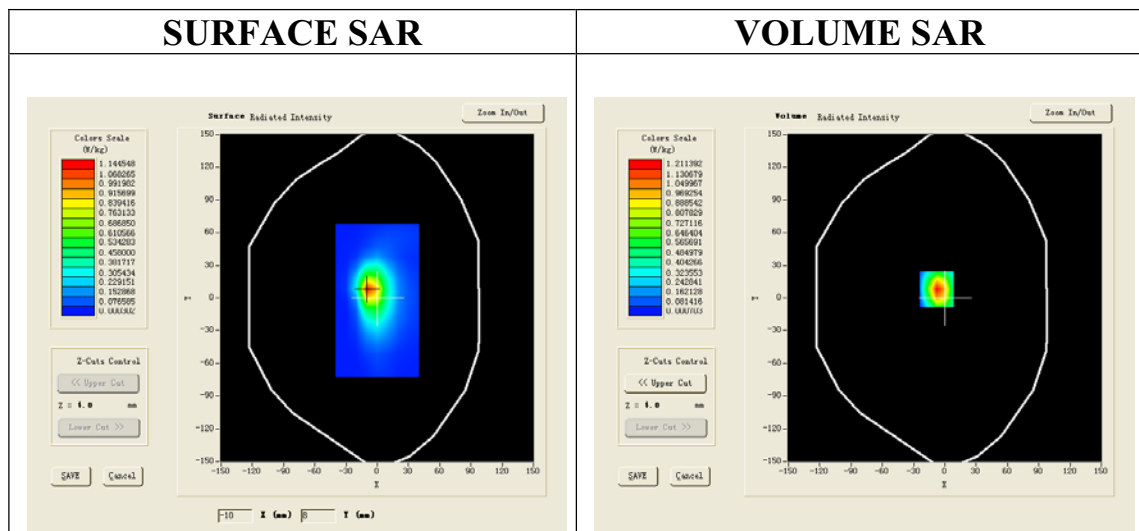
Communication System: Wi-Fi; Communication System Band: 802.11g; Duty Cycle: 1:1; Conv.F=4.32;
Frequency: 2412 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

SATIMO Configuration:

- Probe: EP165; Calibrated: 01/31/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

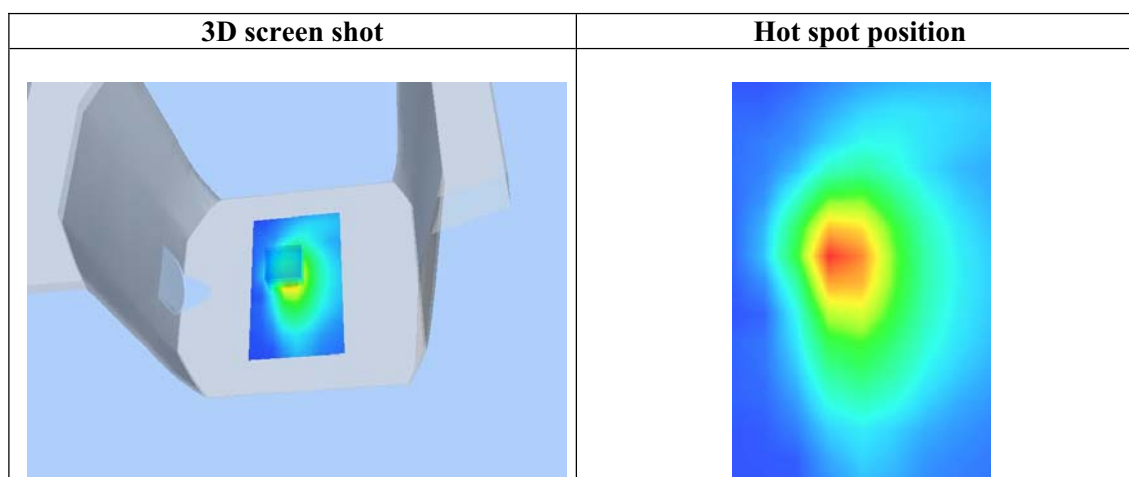
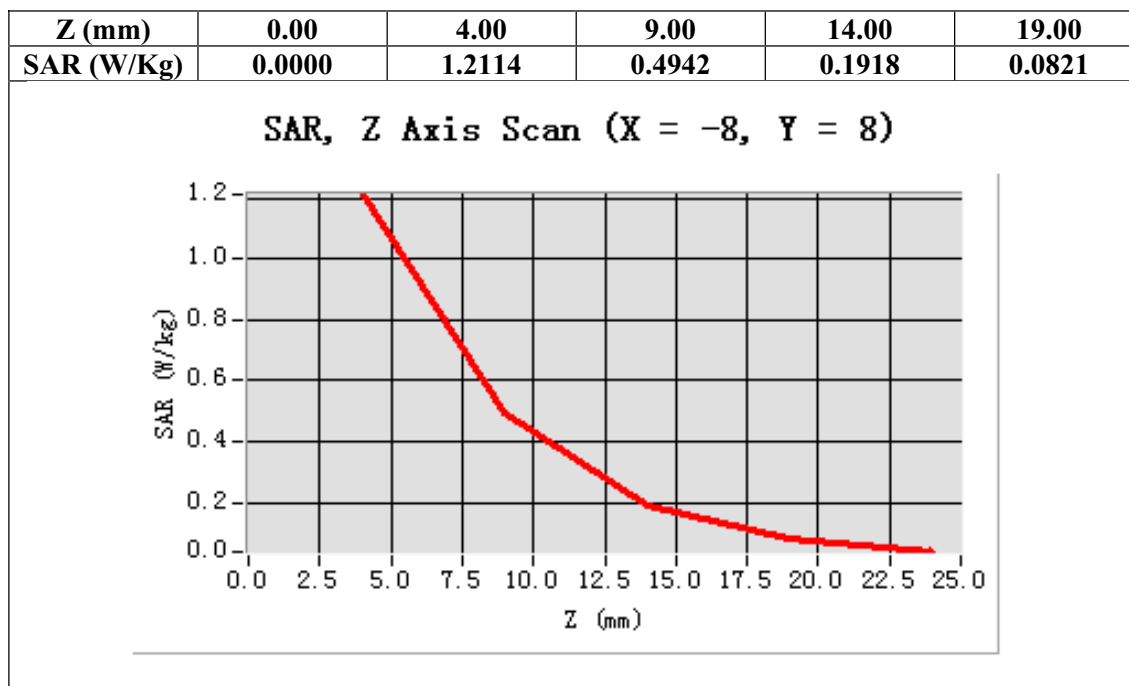
Configuration/802.11g Low-Body- Front /Area Scan (6x8x1): Measurement grid: dx=20mm, dy=20mm
Configuration/802.11g Low-Body- Front Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Body Front
Band	2450MHz
Channels	Low
Signal	TDMA (Crest factor: 8.0)



Maximum location: X=-8.00, Y=8.00

SAR 10g (W/Kg)	0.519125
SAR 1g (W/Kg)	1.223636



Test Laboratory: AGC Lab
802.11g Mid- Body- Front

Date: Jul.11, 2013

DUT: 10.1" platinum; Type: AC101PL

Communication System: Wi-Fi; Communication System Band: 802.11g; Duty Cycle: 1:1; Conv.F=4.32;
Frequency: 2437 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

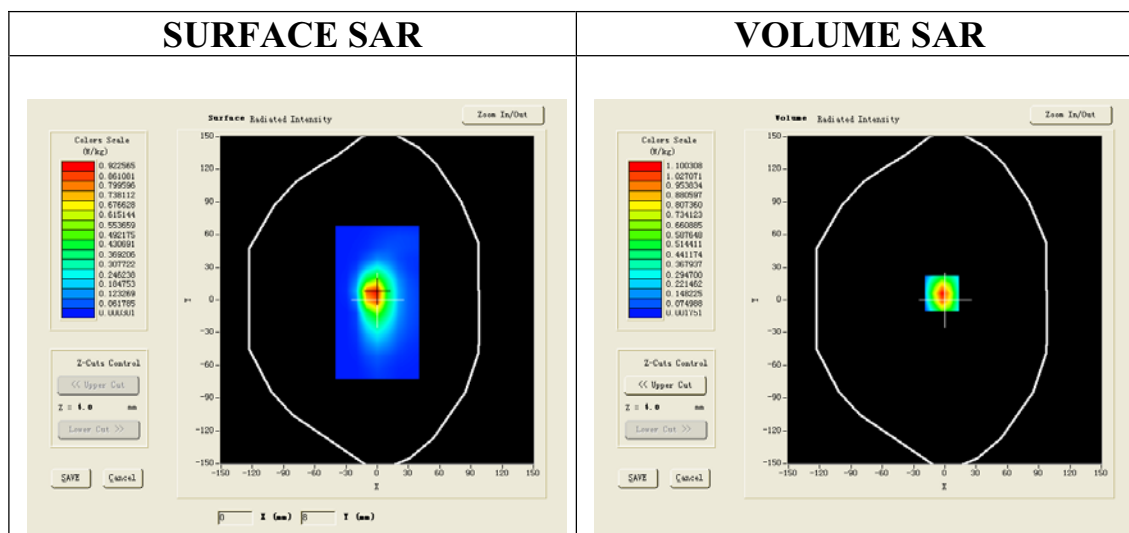
SATIMO Configuration:

Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

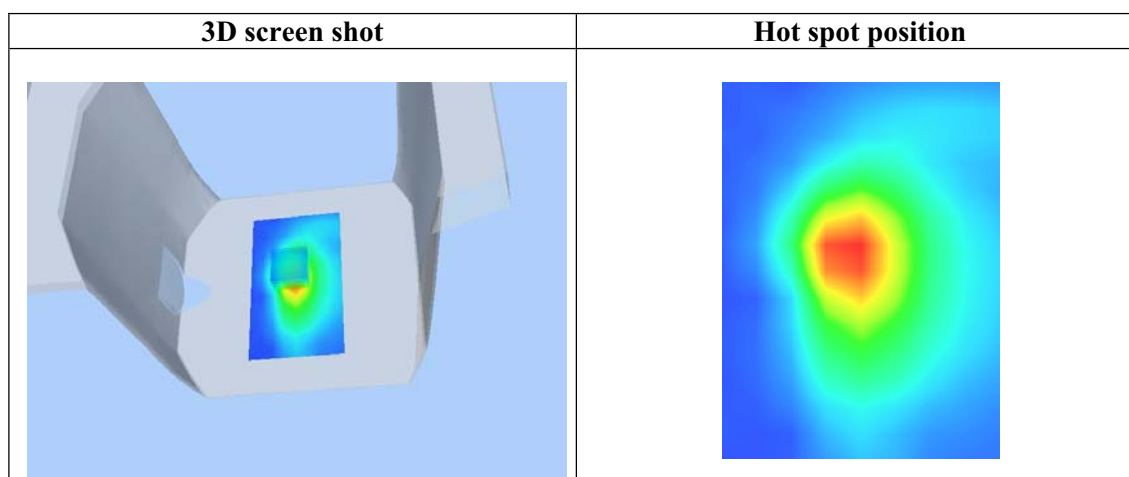
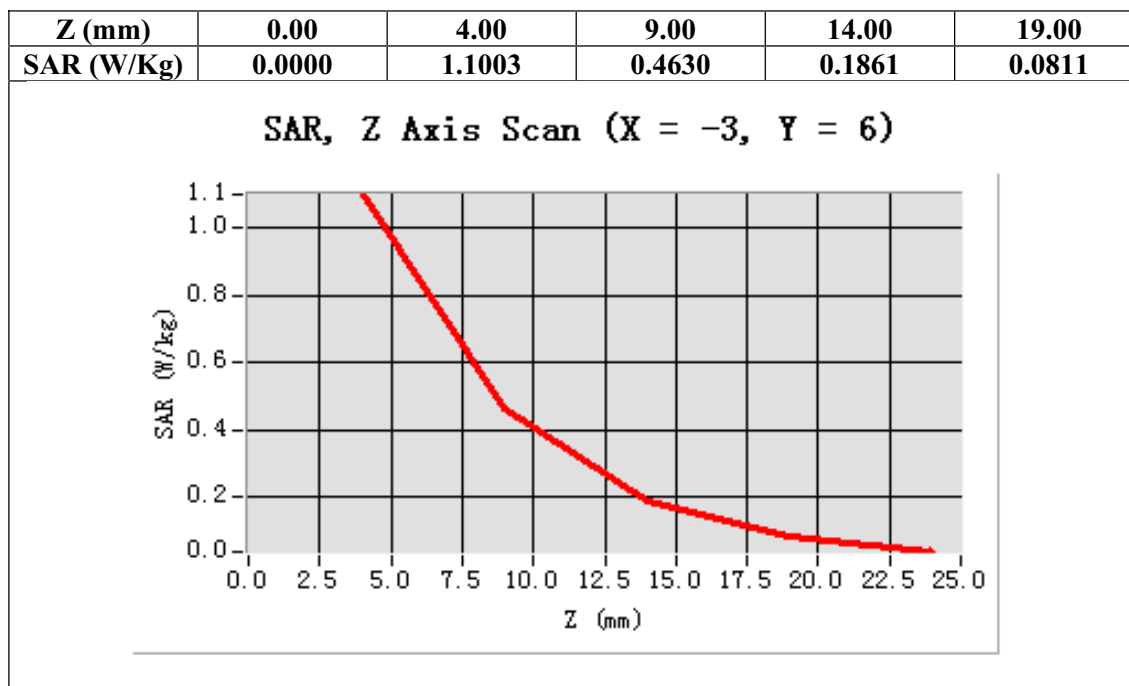
Configuration/802.11g Mid-Body- Front /Area Scan (6x8x1): Measurement grid: dx=20mm, dy=20mm
Configuration/802.11g Mid-Body- Front Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Body Front
Band	2450MHz
Channels	Middle
Signal	TDMA (Crest factor: 8.0)



Maximum location: X=-3.00, Y=6.00

SAR 10g (W/Kg)	0.472161
SAR 1g (W/Kg)	1.097191



Test Laboratory: AGC Lab
802.11g High- Body- Front

Date: Jul.11, 2013

DUT: 10.1" platinum; Type: AC101PL

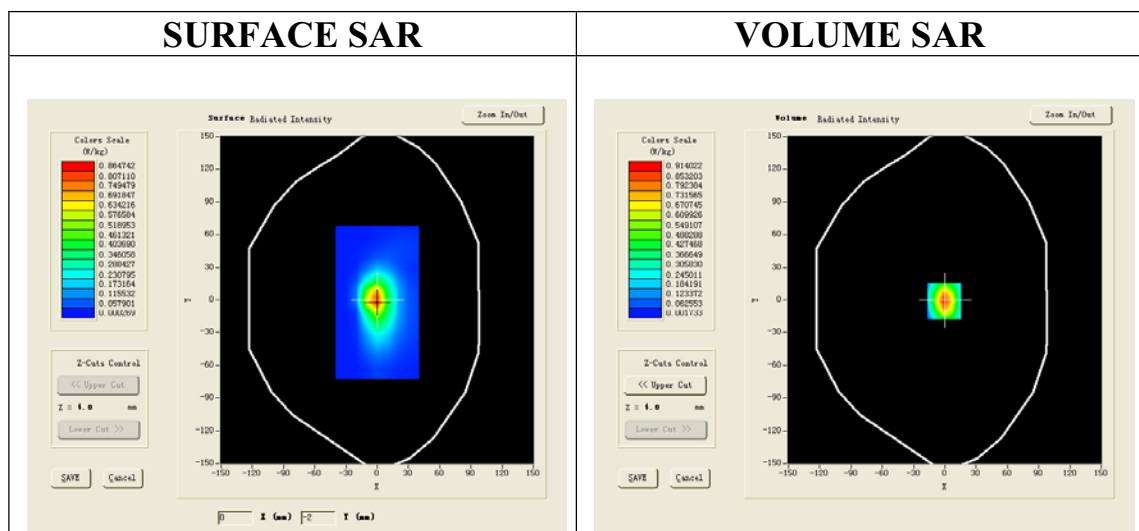
Communication System: Wi-Fi; Communication System Band: 802.11g; Duty Cycle: 1:1; Conv.F=4.32;
Frequency: 2462 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

SATIMO Configuration:

- Probe: EP165; Calibrated: 01/31/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/802.11g High-Body- Front /Area Scan (6x8x1): Measurement grid: dx=20mm, dy=20mm
Configuration/802.11g High-Body- Front Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Body Front
Band	2450MHz
Channels	High
Signal	TDMA (Crest factor: 8.0)



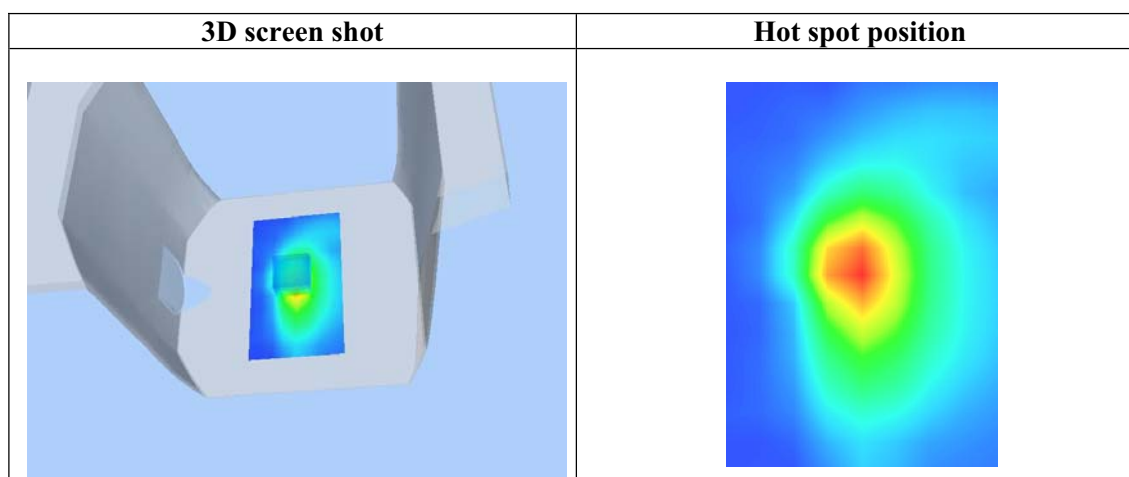
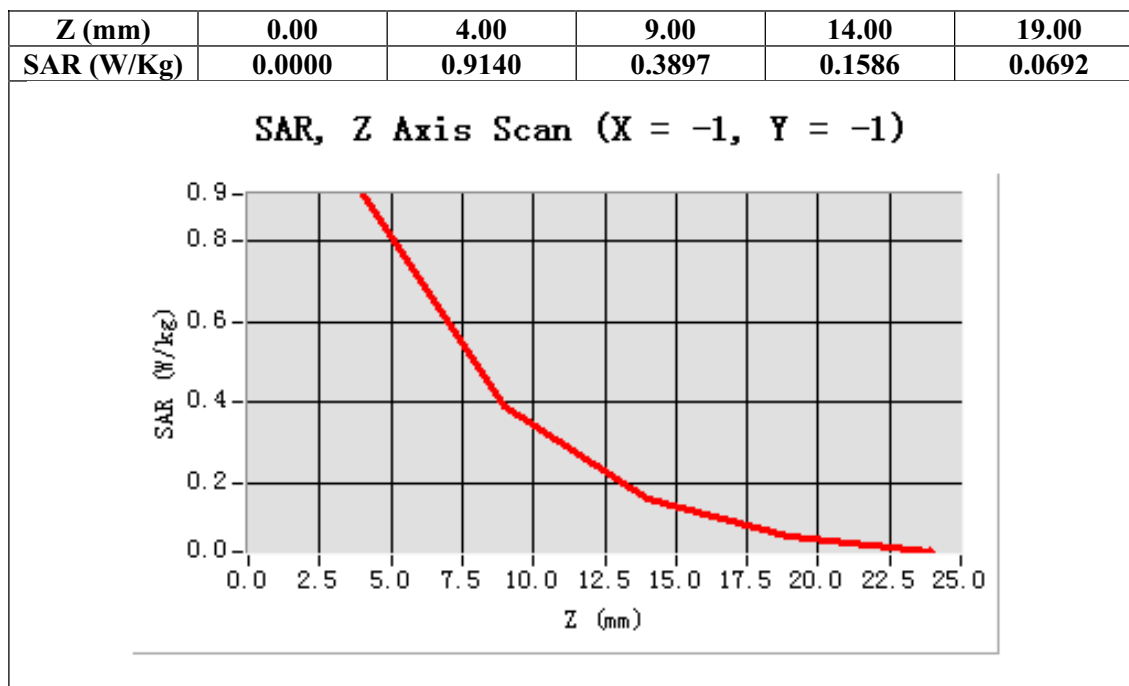
Maximum location: X=-1.00, Y=-1.00

SAR 10g (W/Kg)	0.394299
SAR 1g (W/Kg)	0.906801

Test Report No.: EFSN13060712E-8

Eurofins Testing Technology (Shenzhen) Co., Ltd.

3A, F1.6, Tianfa Building, Tian'an Cyber Park, Futian District, Shenzhen City, GD,PRC 518040



Test Laboratory: AGC Lab
802.11g Mid -Horizontal near antenna
DUT: 10.1" platinum; Type: AC101PL

Date: Jul.11, 2013

Communication System: Wi-Fi; Communication System Band: 802.11g; Duty Cycle: 1:1; Conv.F=4.32;
Frequency: 2437 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

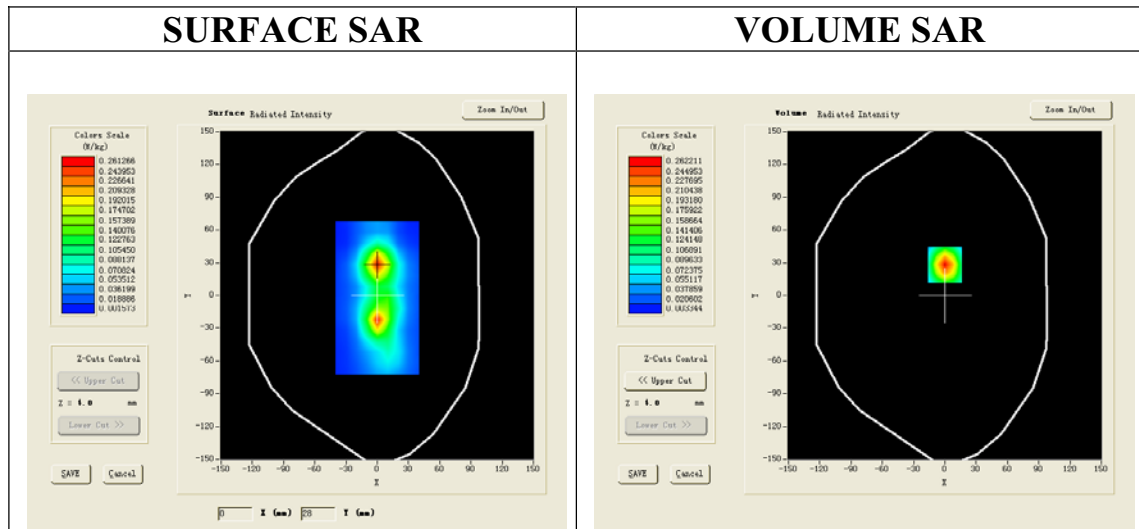
SATIMO Configuration:

- Probe: EP165; Calibrated: 01/31/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/802.11g Mid -Horizontal near antenna /Area Scan (6x8x1): Measurement grid: dx=20mm, dy=20mm

Configuration/802.11g Mid-Horizontal near antenna /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Horizontal
Band	2450MHz
Channels	Middle
Signal	TDMA (Crest factor: 1.0)

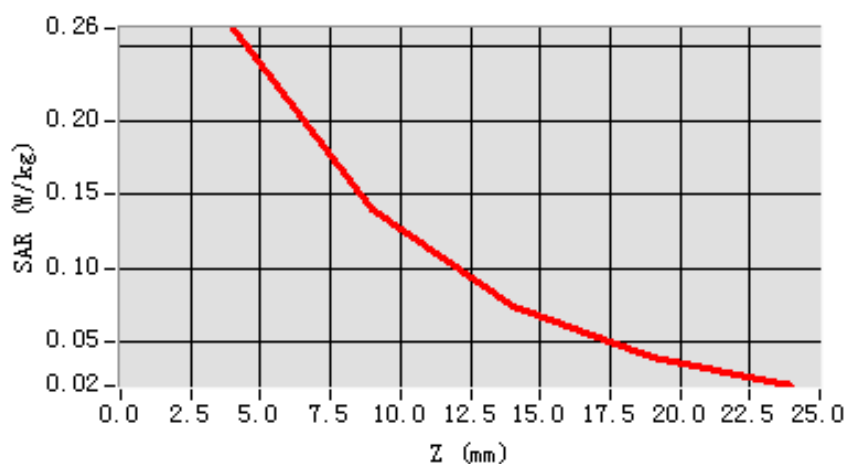


Maximum location: X=0.00, Y=28.00

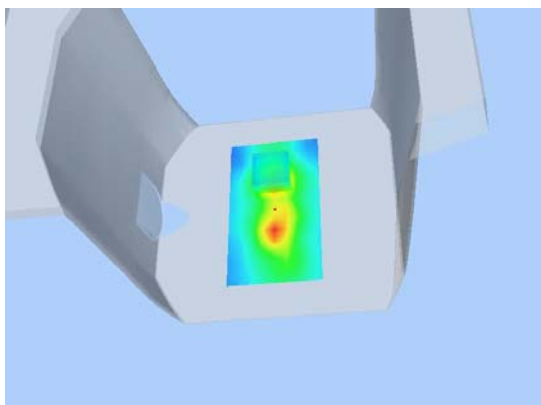
SAR 10g (W/Kg)	0.128054
SAR 1g (W/Kg)	0.259975

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.2622	0.1396	0.0736	0.0399

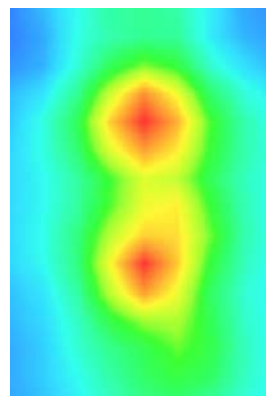
SAR, Z Axis Scan (X = 0, Y = 28)



3D screen shot



Hot spot position



Test Laboratory: AGC Lab
802.11g Mid -Horizontal away from antenna
DUT: 10.1" platinum; Type: AC101PL

Date: Jul.11, 2013

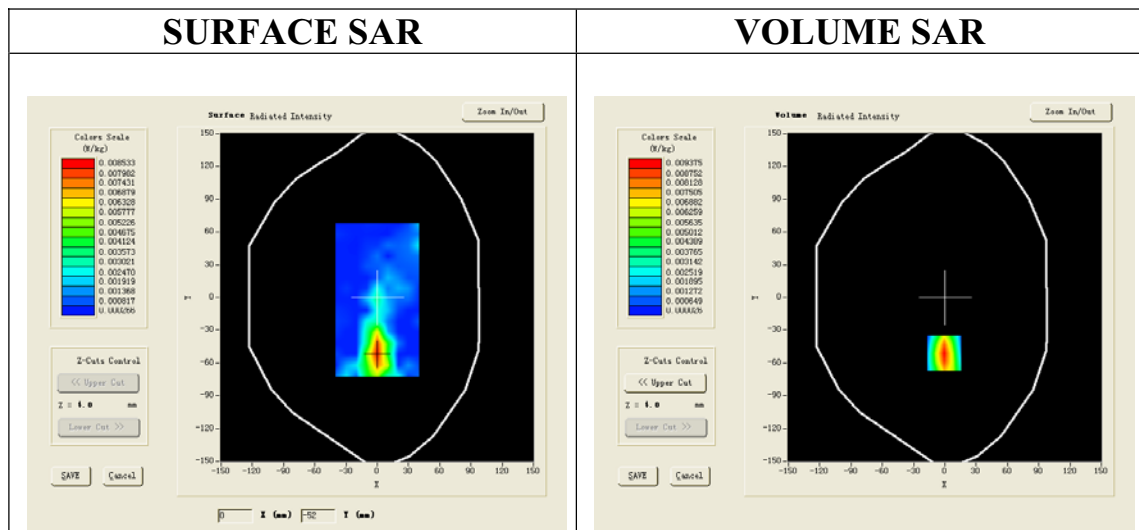
Communication System: Wi-Fi; Communication System Band: 802.11g; Duty Cycle: 1:1; Conv.F=4.32;
Frequency: 2437 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

Satimo Configuration:
Probe: EP165; Calibrated: 01/31/2013
• Sensor-Surface: 4mm (Mechanical Surface Detection)
• Phantom: Flat Phantom; Type: Elliptical Phantom
• Measurement SW: OpenSAR V4_02_01

Configuration/802.11g Mid -Horizontal away from antenna /Area Scan (6x8x1): Measurement grid:
dx=20mm, dy=20mm

Configuration/802.11g Mid-Horizontal away from antenna /Zoom Scan (5x5x7)/Cube 0: Measurement
grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Horizontal
Band	2450MHz
Channels	Middle
Signal	TDMA (Crest factor: 1.0)



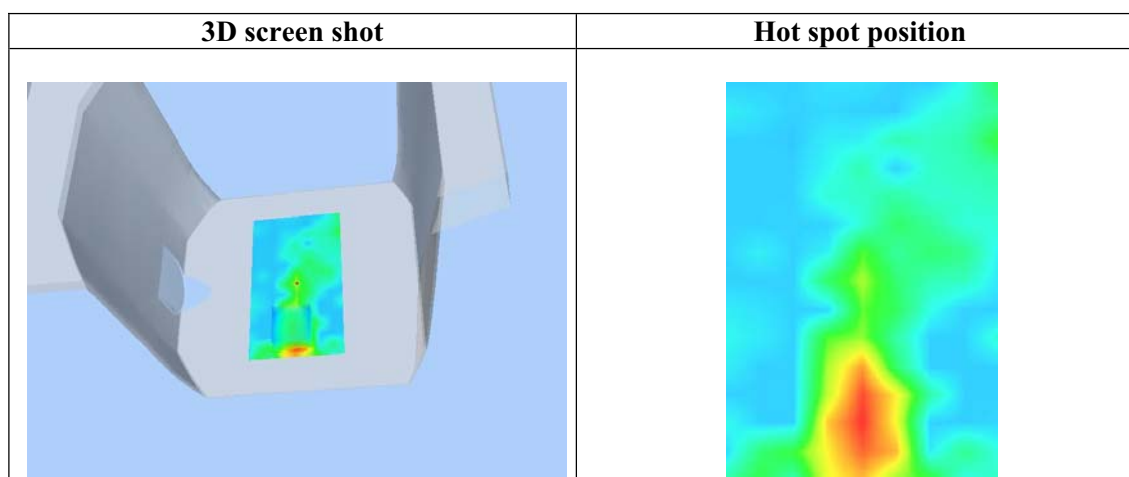
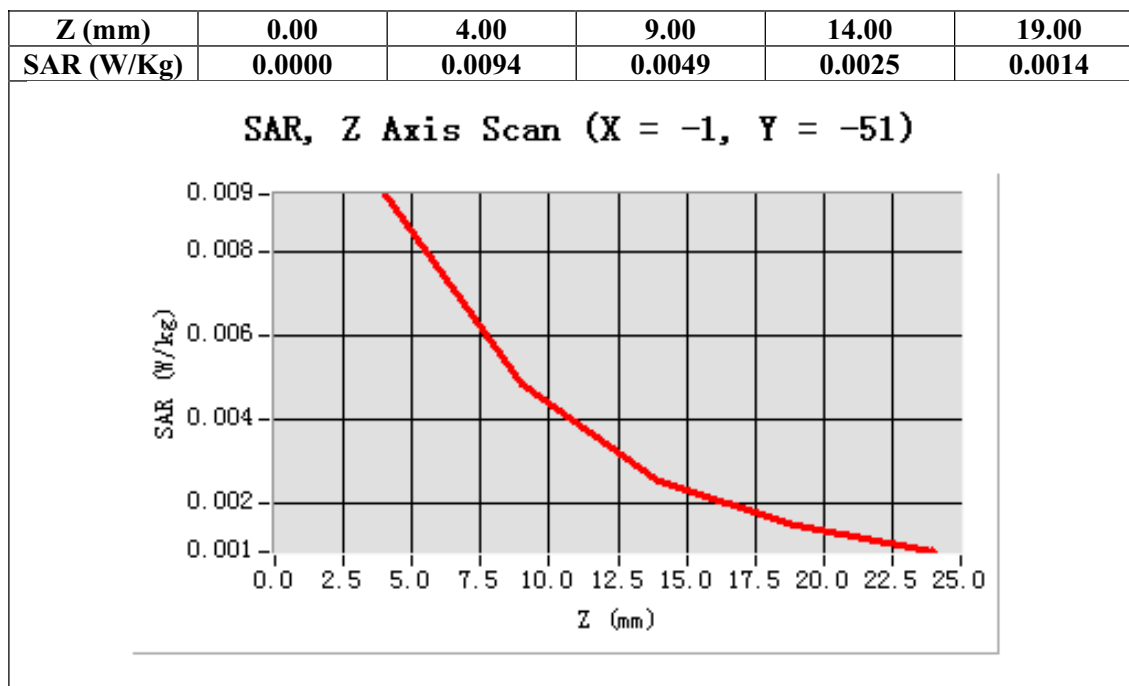
Maximum location: X=-1.00, Y=-51.00

SAR 10g (W/Kg)	0.004501
SAR 1g (W/Kg)	0.009291

Test Report No.: EFSN13060712E-8

Eurofins Testing Technology (Shenzhen) Co., Ltd.

3A, F1.6, Tianfa Building, Tian'an Cyber Park, Futian District, Shenzhen City, GD,PRC 518040



Test Laboratory: AGC Lab

Date: Jul.11, 2013

802.11g Mid -Vertical near antenna

DUT: 10.1" platinum; Type: AC101PL

Communication System: Wi-Fi; Communication System Band: 802.11g; Duty Cycle: 1:1; Conv.F=4.32;
Frequency: 2437 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

Satimo Configuration:

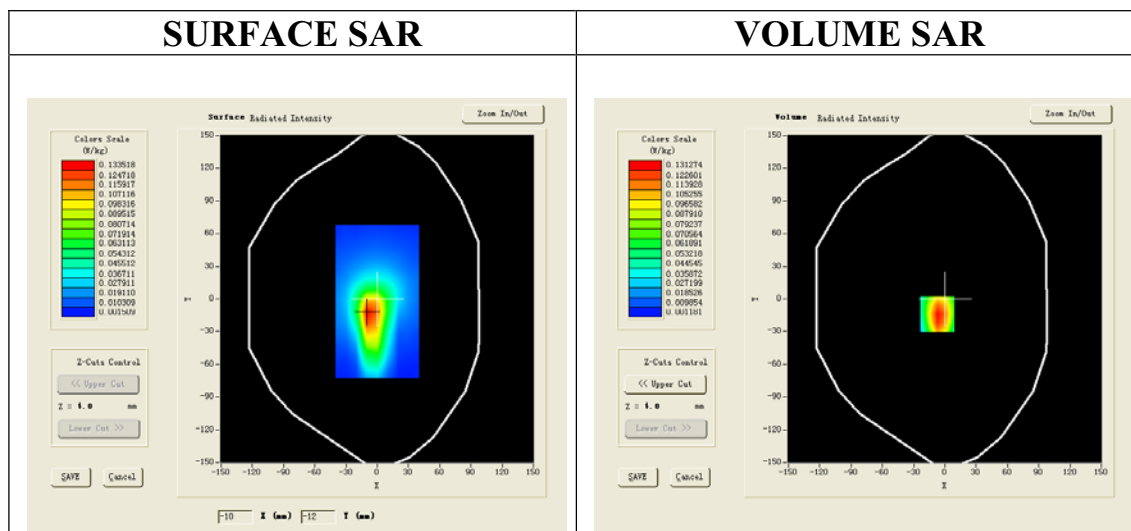
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/802.11g Mid-Vertical near antenna /Area Scan (6x8x1): Measurement grid: dx=20mm, dy=20mm

Configuration/802.11g Mid -Vertical near antenna /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Vertical
Band	2450MHz
Channels	Middle
Signal	TDMA (Crest factor: 1.0)

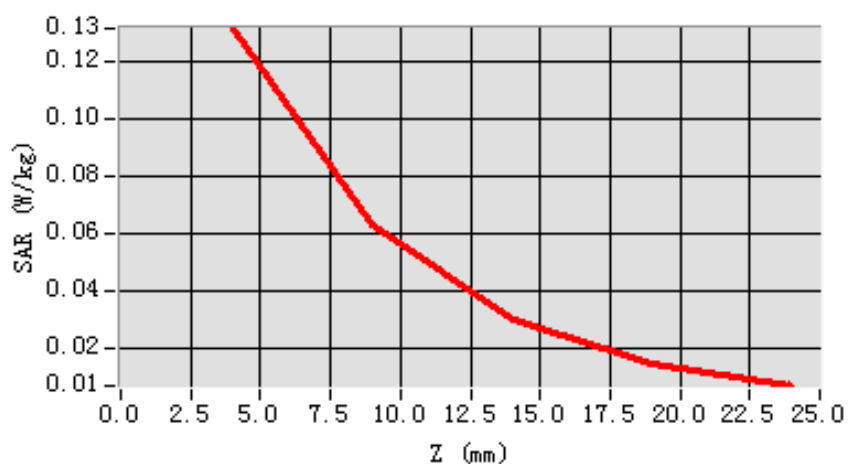


Maximum location: X=-7.00, Y=-14.00

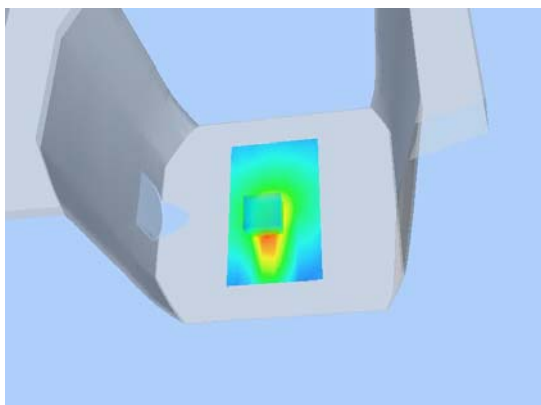
SAR 10g (W/Kg)	0.066904
SAR 1g (W/Kg)	0.134738

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.1313	0.0631	0.0296	0.0146

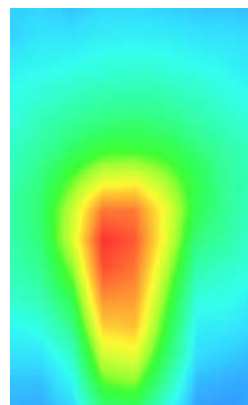
SAR, Z Axis Scan (X = -7, Y = -14)



3D screen shot



Hot spot position



Test Laboratory: AGC Lab

Date: Jul.11, 2013

802.11g Mid -Vertical away from antenna

DUT: 10.1" platinum; Type: AC101PL

Communication System: Wi-Fi; Communication System Band: 802.11g; Duty Cycle: 1:1; Conv.F=4.32;

Frequency: 2437 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³ ;

Phantom section: Flat Section

Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

Satimo Configuration:

Probe: EP165; Calibrated: 01/31/2013

• Sensor-Surface: 4mm (Mechanical Surface Detection)

• Phantom: Flat Phantom; Type: Elliptical Phantom

• Measurement SW: OpenSAR V4_02_01

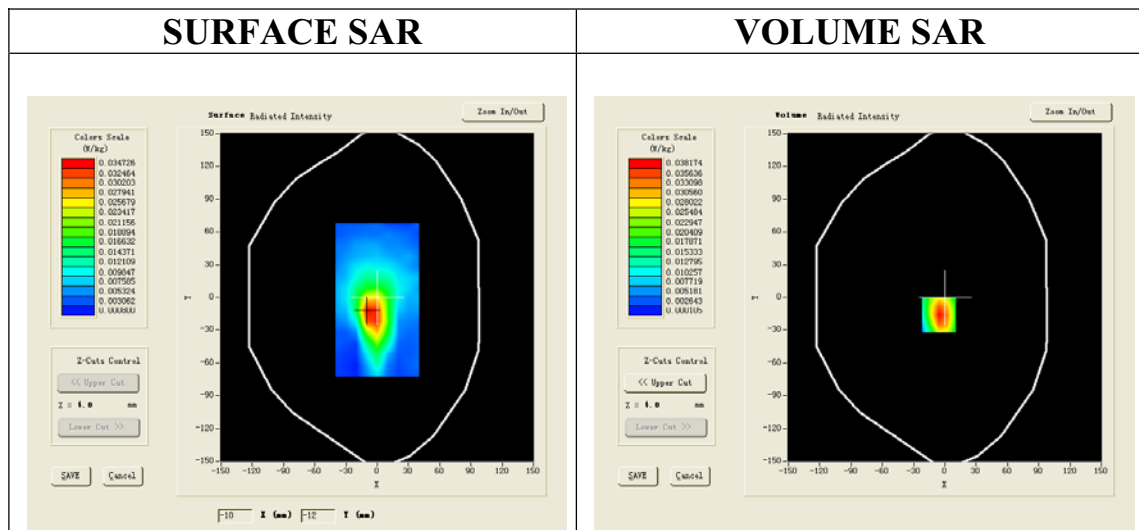
Configuration/802.11g Mid-Vertical away from antenna /Area Scan (6x8x1): Measurement grid:

dx=20mm, dy=20mm

Configuration/802.11g Mid -Vertical away from antenna /Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm,dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Vertical
Band	2450MHz
Channels	Middle
Signal	TDMA (Crest factor: 1.0)



Maximum location: X=-6.00, Y=-16.00

SAR 10g (W/Kg)	0.018384
SAR 1g (W/Kg)	0.038910

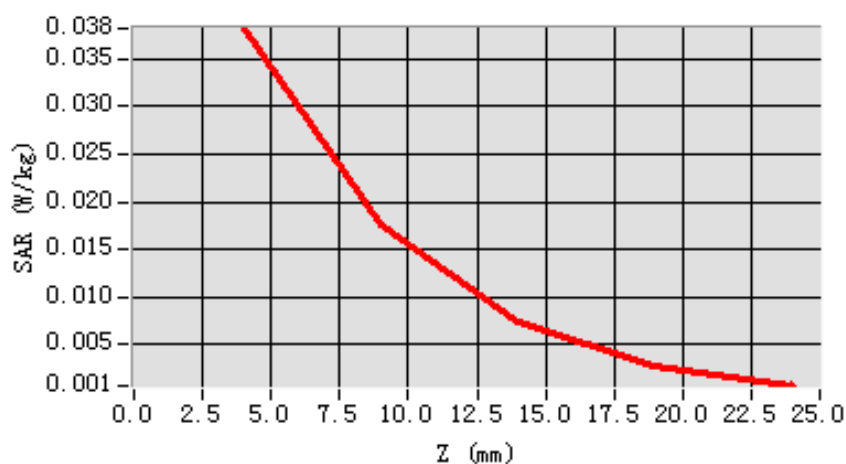
Test Report No.: EFSN13060712E-8

Eurofins Testing Technology (Shenzhen) Co., Ltd.

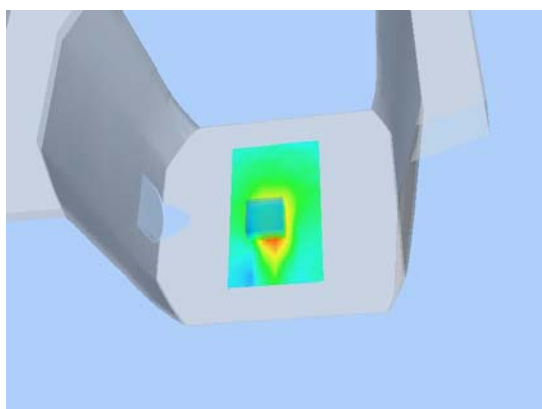
3A, F1.6, Tianfa Building, Tian'an Cyber Park, Futian District, Shenzhen City, GD,PRC 518040

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.0382	0.0177	0.0074	0.0028

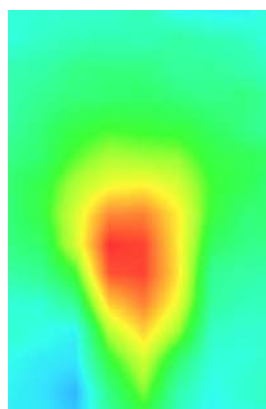
SAR, Z Axis Scan (X = -6, Y = -16)



3D screen shot



Hot spot position



Test Laboratory: AGC Lab
802.11n(20) Mid-Body-Worn- Touch

Date: Jul.11, 2013

DUT: 10.1" platinum; Type: AC101PL

Communication System: Wi-Fi; Communication System Band: 802.11n(20); Duty Cycle: 1:1; Conv.F=4.32;
Frequency: 2437 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C):21, Liquid temperature (°C):21

SATIMO Configuration:

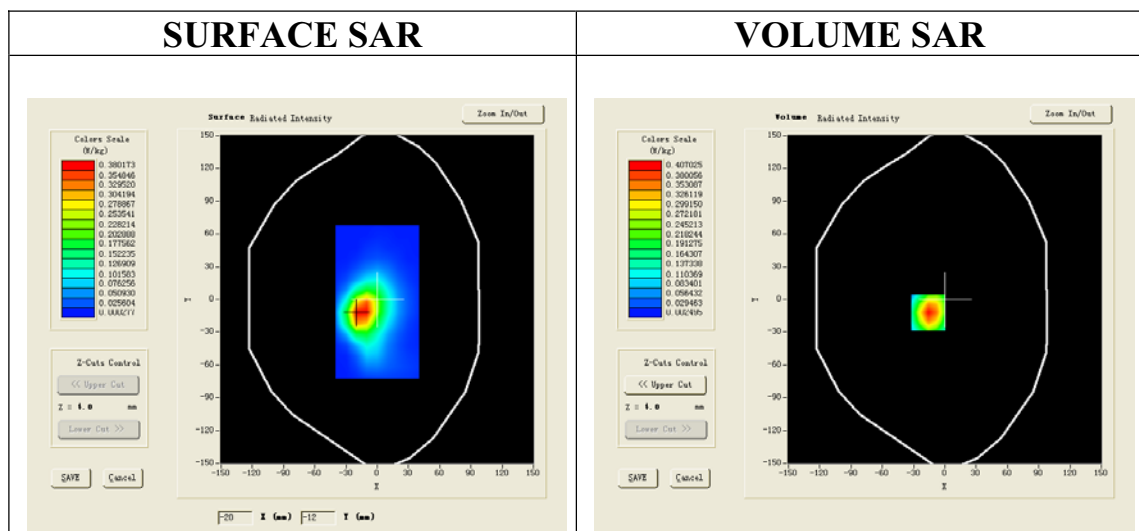
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/802.11n(20) Mid- Body- Touch /Area Scan (6x8x1): Measurement grid: dx=20mm, dy=20mm

Configuration/802.11n(20) Mid- Body- Touch /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Body Touch
Band	2450MHz
Channels	Middle
Signal	TDMA (Crest factor: 8.0)



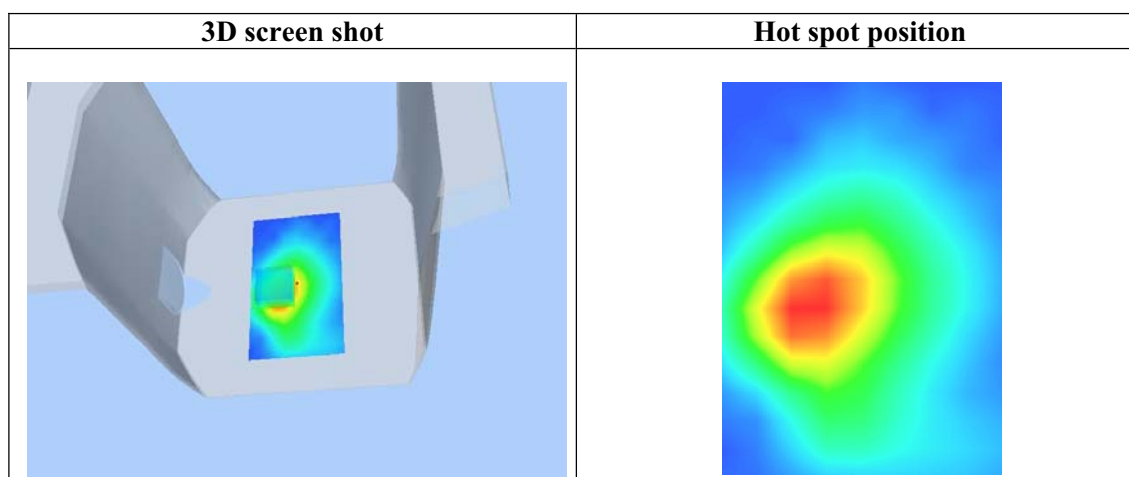
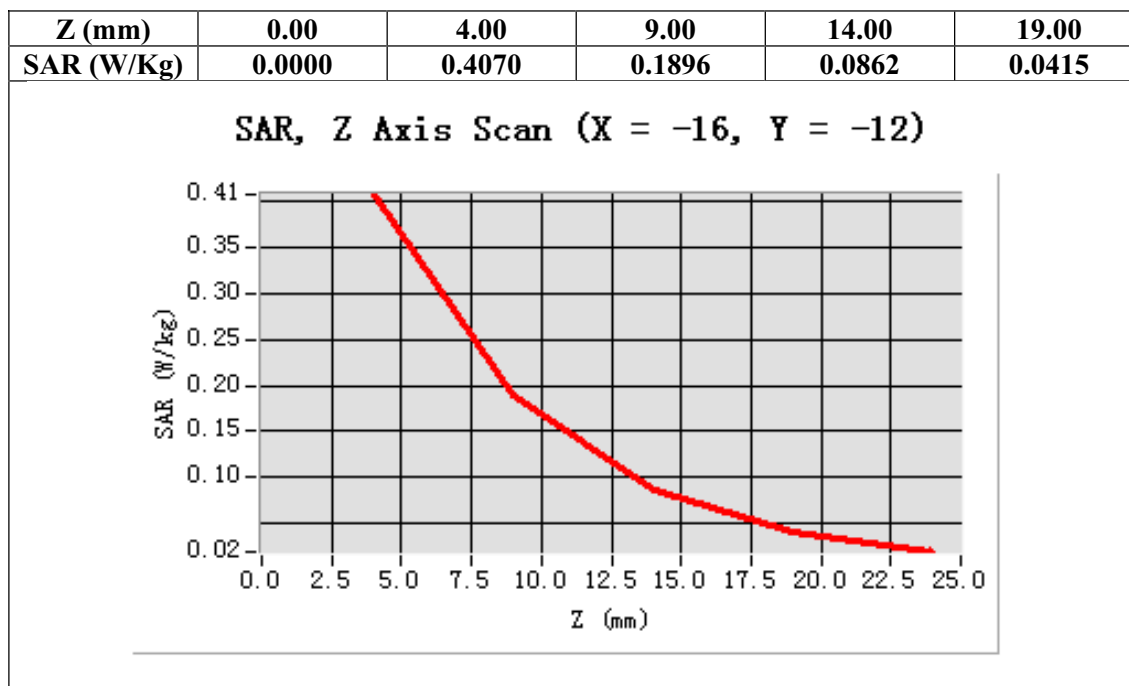
Maximum location: X=-16.00, Y=-12.00

SAR 10g (W/Kg)	0.197585
SAR 1g (W/Kg)	0.412590

Test Report No.: EFSN13060712E-8

Eurofins Testing Technology (Shenzhen) Co., Ltd.

3A, F1.6, Tianfa Building, Tian'an Cyber Park, Futian District, Shenzhen City, GD,PRC 518040



Test Laboratory: AGC Lab
802.11n(20) Mid- Body- Front

Date: Jul.11, 2013

DUT: 10.1" platinum; Type: AC101PL

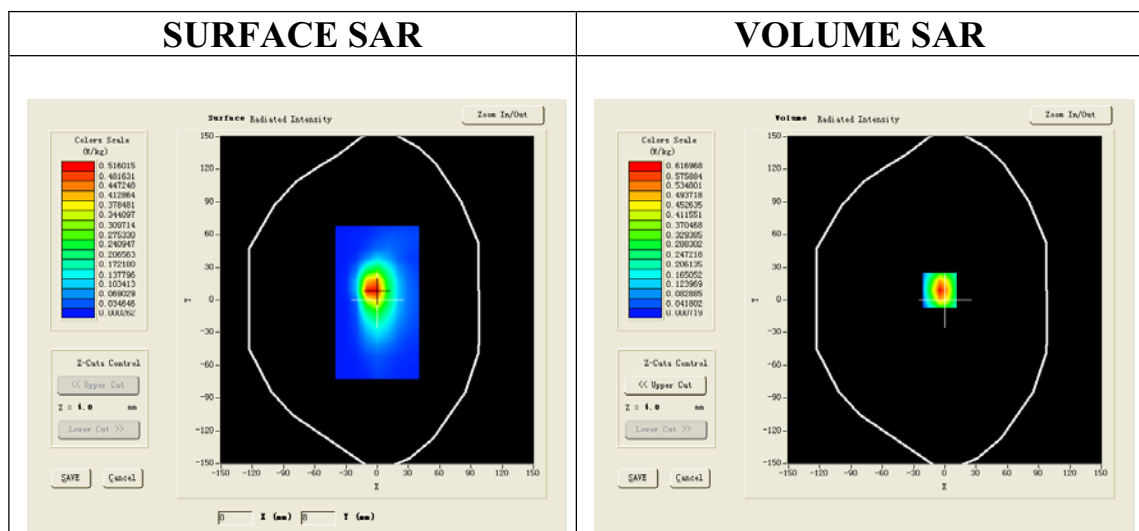
Communication System: Wi-Fi; Communication System Band: 802.11n(20); Duty Cycle: 1:1; Conv.F=4.32;
Frequency: 2437 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

SATIMO Configuration:

- Probe: EP165; Calibrated: 01/31/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/802.11n(20) Mid-Body- Front /Area Scan (6x8x1): Measurement grid: dx=20mm, dy=20mm
Configuration/802.11n(20) Mid-Body- Front Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Body Front
Band	2450MHz
Channels	Middle
Signal	TDMA (Crest factor: 8.0)



Maximum location: X=-5.00, Y=9.00

SAR 10g (W/Kg)	0.267521
SAR 1g (W/Kg)	0.620214

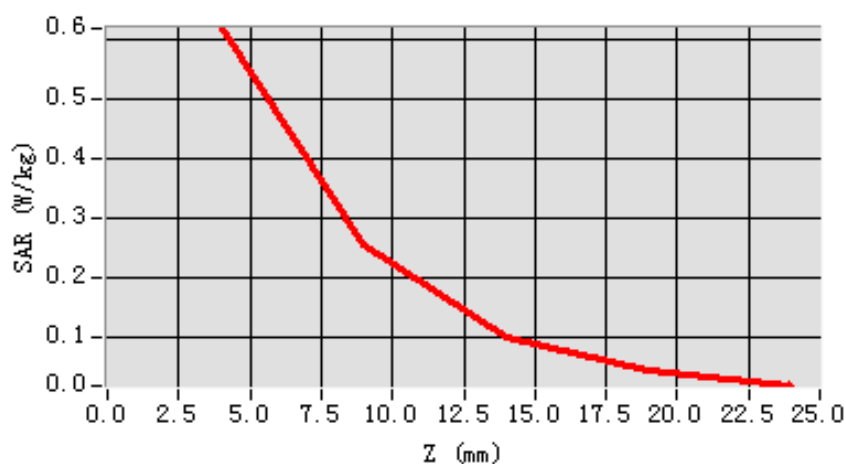
Test Report No.: EFSN13060712E-8

Eurofins Testing Technology (Shenzhen) Co., Ltd.

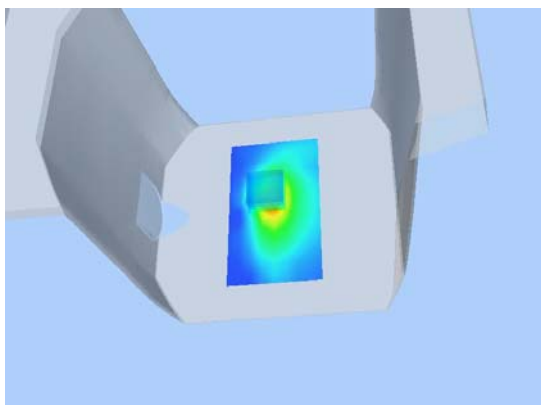
3A, F1.6, Tianfa Building, Tian'an Cyber Park, Futian District, Shenzhen City, GD, PRC 518040

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.6170	0.2560	0.1010	0.0432

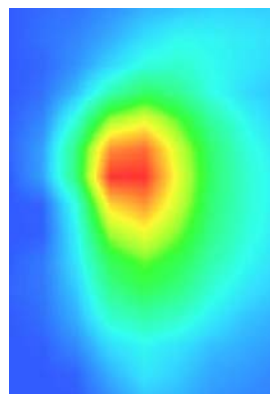
SAR, Z Axis Scan (X = -5, Y = 9)



3D screen shot



Hot spot position



Test Laboratory: AGC Lab
802.11n(20) Mid -Horizontal near antenna
DUT: 10.1" platinum; Type: AC101PL

Date: Jul.11, 2013

Communication System: Wi-Fi; Communication System Band: 802.11n(20); Duty Cycle: 1:1; Conv.F=4.32;
Frequency: 2437 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

SATIMO Configuration:

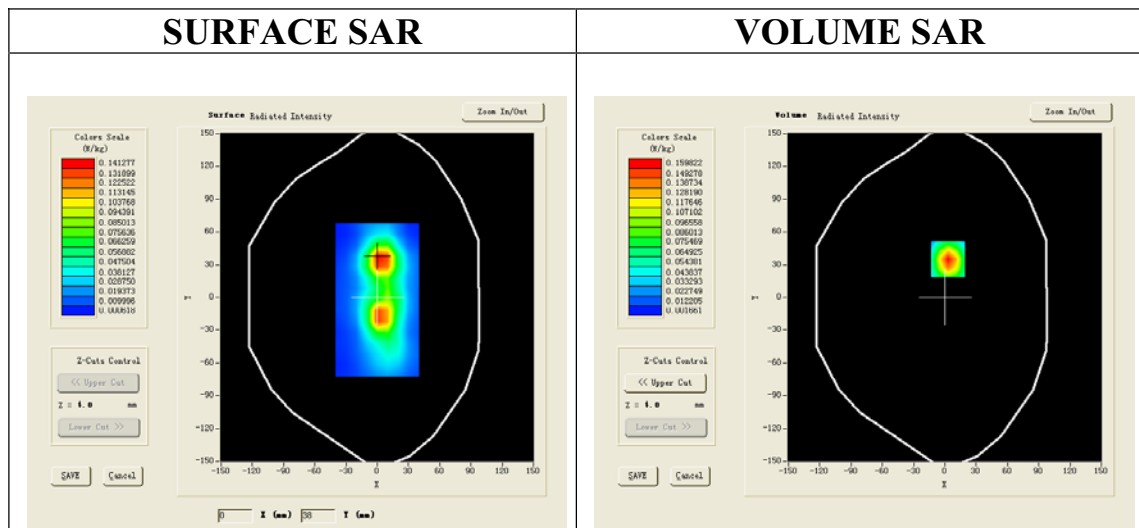
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/802.11n(20) Mid -Horizontal near antenna /Area Scan (6x8x1): Measurement grid:
dx=20mm, dy=20mm

Configuration/802.11n(20) Mid-Horizontal near antenna /Zoom Scan (5x5x7)/Cube 0: Measurement grid:
dx=8mm,dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Horizontal
Band	2450MHz
Channels	Middle
Signal	TDMA (Crest factor: 1.0)

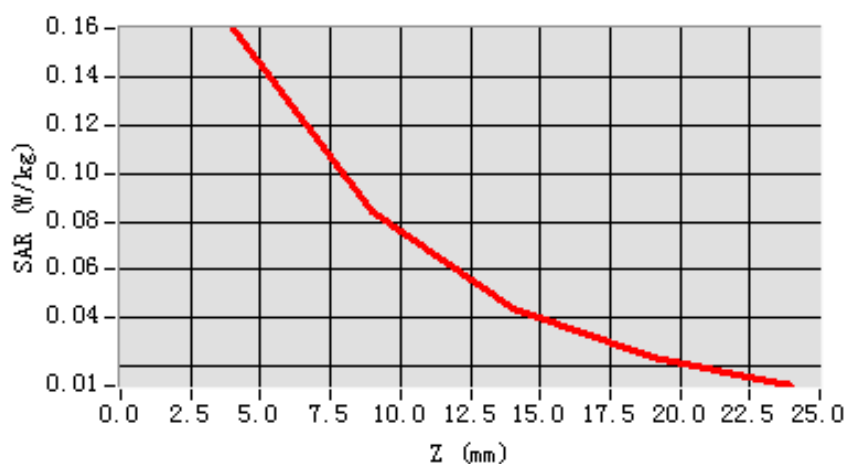


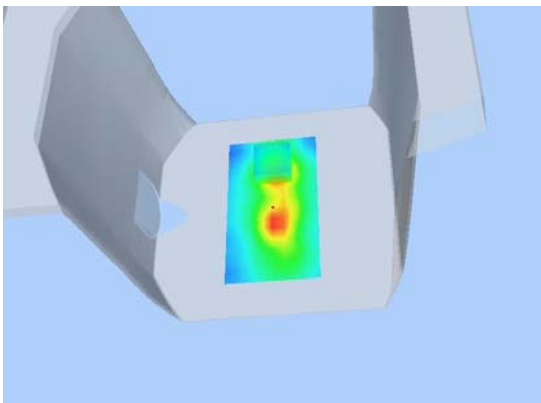
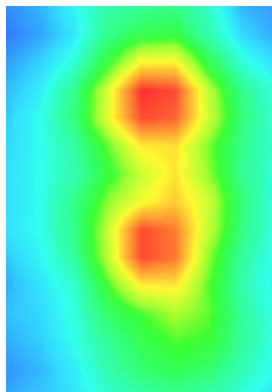
Maximum location: X=3.00, Y=35.00

SAR 10g (W/Kg)	0.078033
SAR 1g (W/Kg)	0.159494

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.1598	0.0843	0.0439	0.0236

SAR, Z Axis Scan (X = 3, Y = 35)



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab
802.11n(20) Mid -Horizontal away from antenna
DUT: 10.1" platinum; Type: AC101PL

Date: Jul.11, 2013

Communication System: Wi-Fi; Communication System Band: 802.11n(20); Duty Cycle: 1:1; Conv.F=4.32;
Frequency: 2437 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

Satimo Configuration:

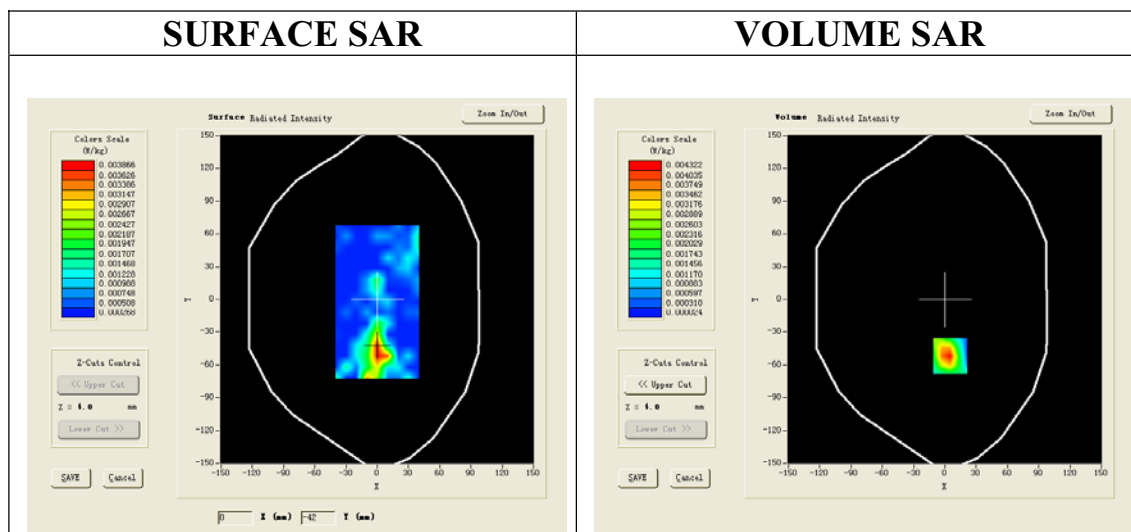
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/802.11n(20) Mid -Horizontal away from antenna /Area Scan (6x8x1): Measurement grid: dx=20mm, dy=20mm

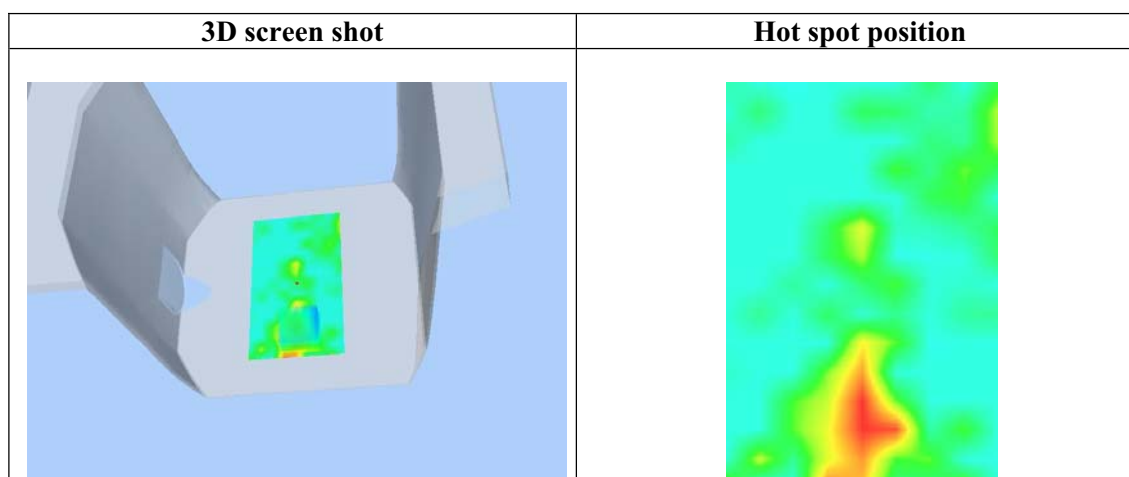
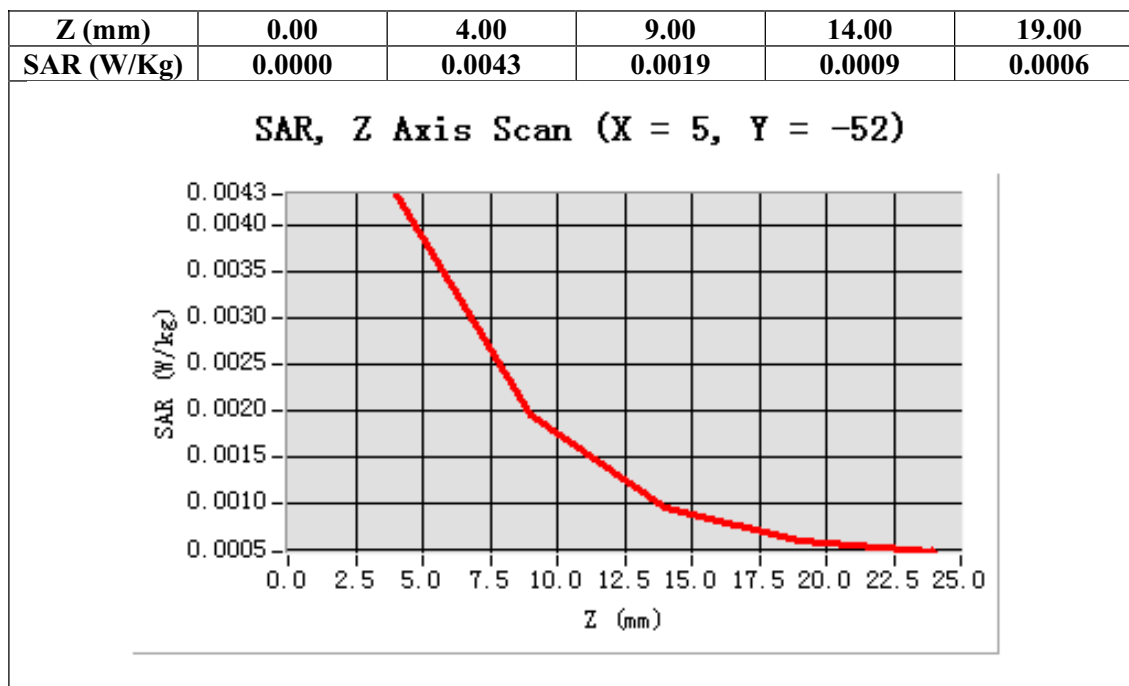
Configuration/802.11n(20) Mid-Horizontal away from antenna /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Horizontal
Band	2450MHz
Channels	Middle
Signal	TDMA (Crest factor: 1.0)



Maximum location: X=5.00, Y=-52.00

SAR 10g (W/Kg)	0.002059
SAR 1g (W/Kg)	0.004429



Test Laboratory: AGC Lab
802.11n(20) Mid -Vertical near antenna
DUT: 10.1" platinum; Type: AC101PL

Date: Jul.11, 2013

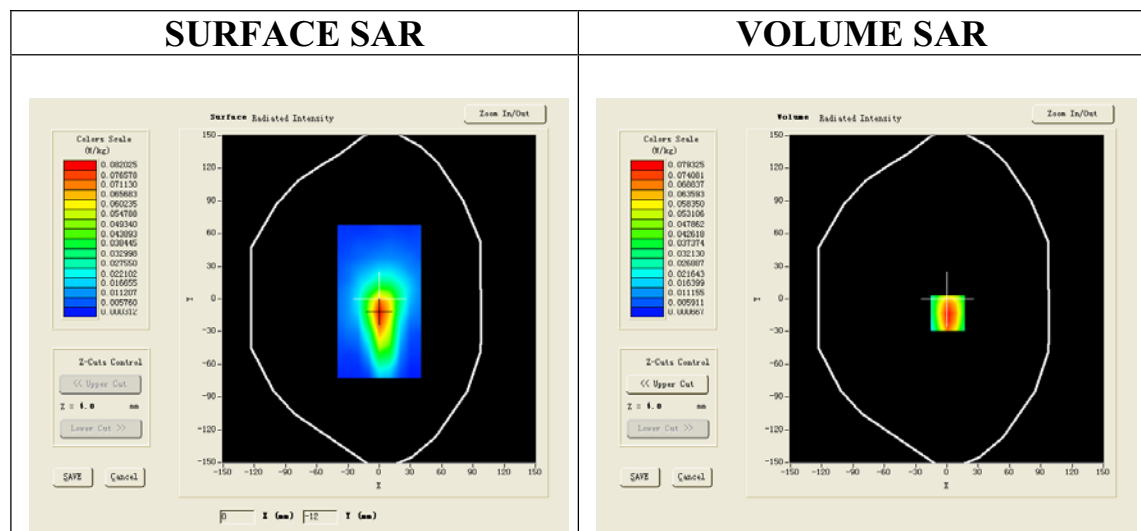
Communication System: Wi-Fi; Communication System Band: 802.11n(20); Duty Cycle: 1:1; Conv.F=4.32;
Frequency: 2437 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

Satimo Configuration:
Probe: EP165; Calibrated: 01/31/2013
• Sensor-Surface: 4mm (Mechanical Surface Detection)
• Phantom: Flat Phantom; Type: Elliptical Phantom
• Measurement SW: OpenSAR V4_02_01

Configuration/802.11n(20) Mid-Vertical near antenna /Area Scan (6x8x1): Measurement grid: dx=20mm, dy=20mm

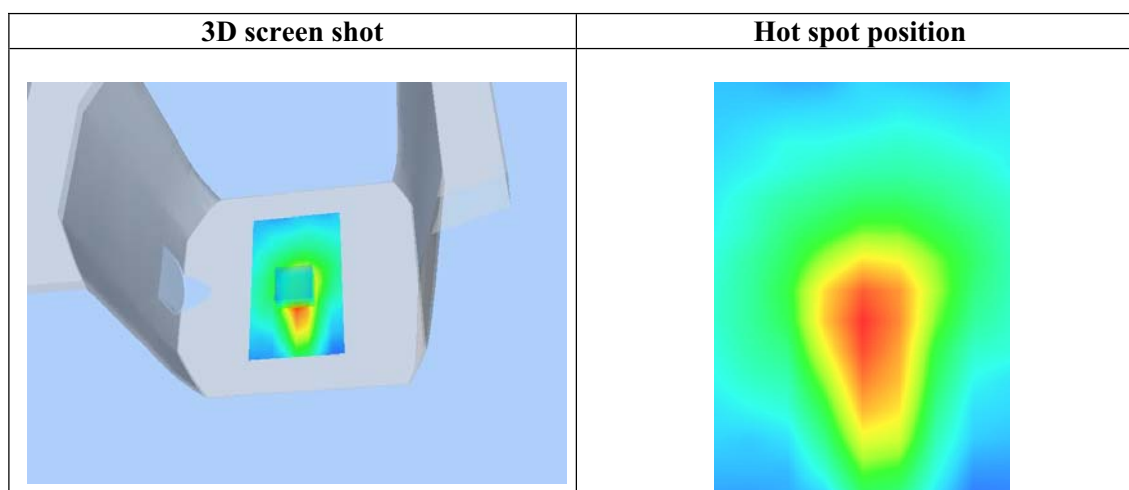
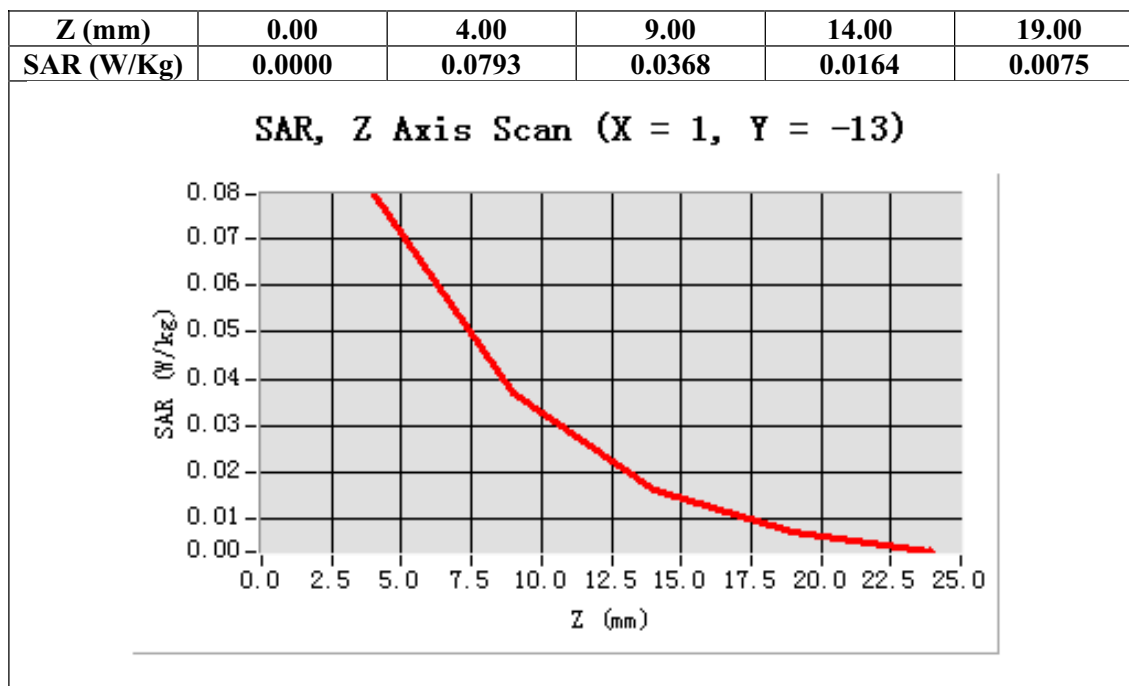
Configuration/802.11n(20) Mid -Vertical near antenna /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Vertical
Band	2450MHz
Channels	Middle
Signal	TDMA (Crest factor: 1.0)



Maximum location: X=1.00, Y=-13.00

SAR 10g (W/Kg)	0.039580
SAR 1g (W/Kg)	0.081254



Test Laboratory: AGC Lab
802.11n(20) Mid -Vertical away from antenna
DUT: 10.1" platinum; Type: AC101PL

Date: Jul.11, 2013

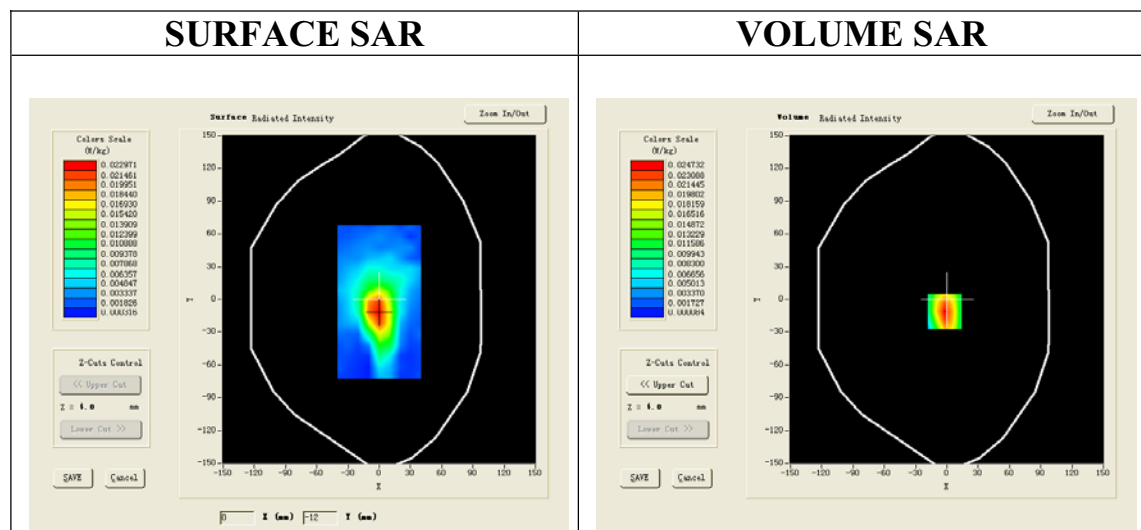
Communication System: Wi-Fi; Communication System Band: 802.11n(20); Duty Cycle: 1:1; Conv.F=4.32;
Frequency: 2437 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

Satimo Configuration:
Probe: EP165; Calibrated: 01/31/2013
• Sensor-Surface: 4mm (Mechanical Surface Detection)
• Phantom: Flat Phantom; Type: Elliptical Phantom
• Measurement SW: OpenSAR V4_02_01

Configuration/802.11n(20) Mid-Vertical away from antenna /Area Scan (6x8x1): Measurement grid:
dx=20mm, dy=20mm

Configuration/802.11n(20) Mid -Vertical away from antenna /Zoom Scan (5x5x7)/Cube 0: Measurement
grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Vertical
Band	2450MHz
Channels	Middle
Signal	TDMA (Crest factor: 1.0)

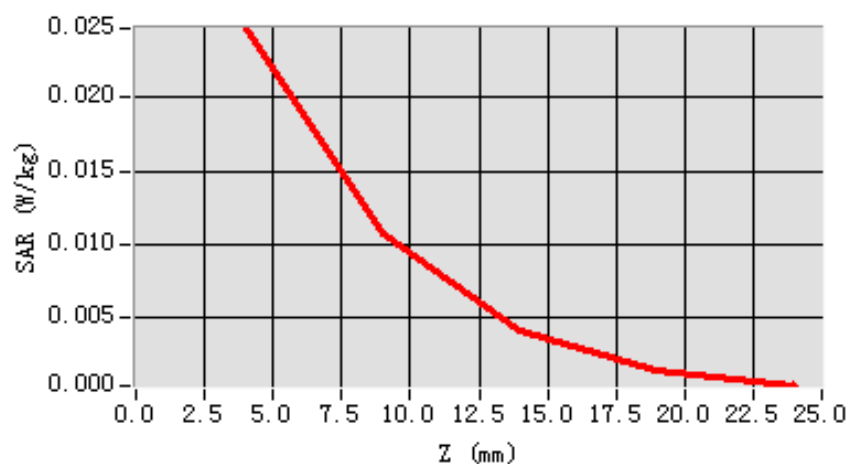


Maximum location: X=-2.00, Y=-11.00

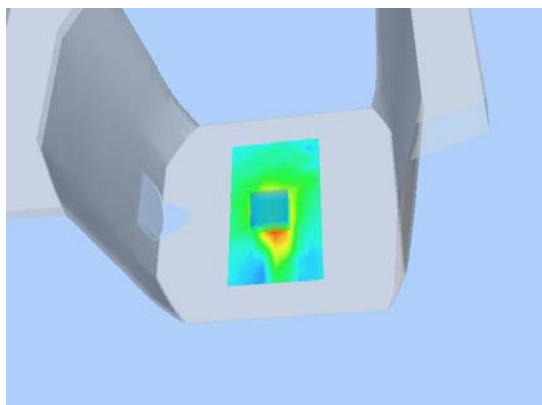
SAR 10g (W/Kg)	0.011646
SAR 1g (W/Kg)	0.025096

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.0247	0.0106	0.0041	0.0014

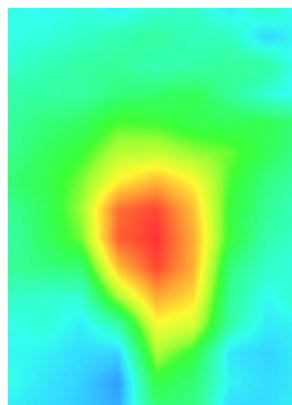
SAR, Z Axis Scan (X = -2, Y = -11)



3D screen shot



Hot spot position



HOTSPOT MODE

Test Laboratory: AGC Lab
802.11b (Hotspot) Low- Body- Front

Date: Jul.11, 2013

DUT: 10.1" platinum; Type: AC101PL

Communication System: Wi-Fi; Communication System Band: 802.11b (Hotspot); Duty Cycle: 1:1;
Conv.F=4.32;
Frequency: 2412 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

SATIMO Configuration:

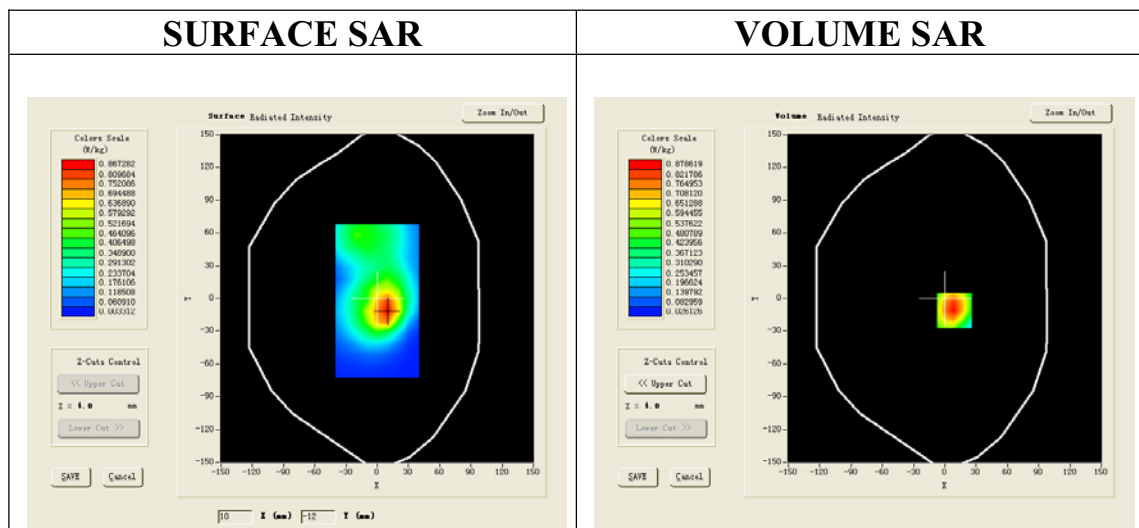
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/802.11b (Hotspot) Low-Body- Front /Area Scan (6x8x1): Measurement grid: dx=20mm, dy=20mm

Configuration/802.11b (Hotspot) Low-Body- Front Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Body Front
Band	2450MHz
Channels	Low
Signal	TDMA (Crest factor: 8.0)



Maximum location: X=9.00, Y=-11.00

SAR 10g (W/Kg)	0.523029
SAR 1g (W/Kg)	0.897472

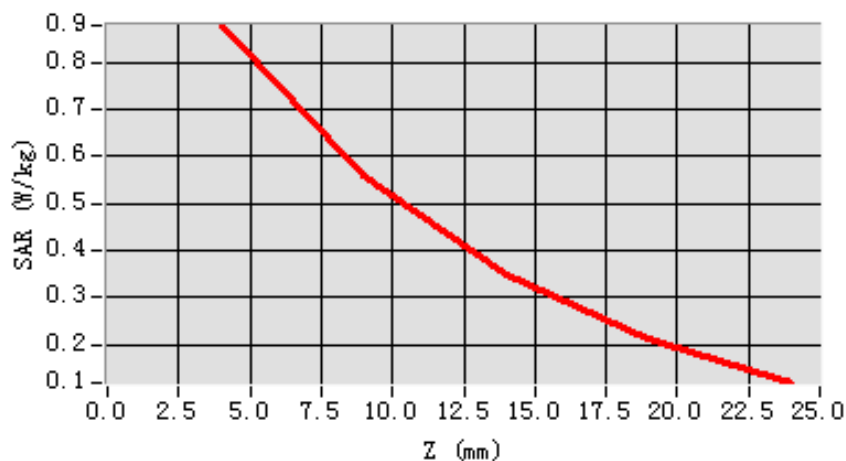
Test Report No.: EFSN13060712E-8

Eurofins Testing Technology (Shenzhen) Co., Ltd.

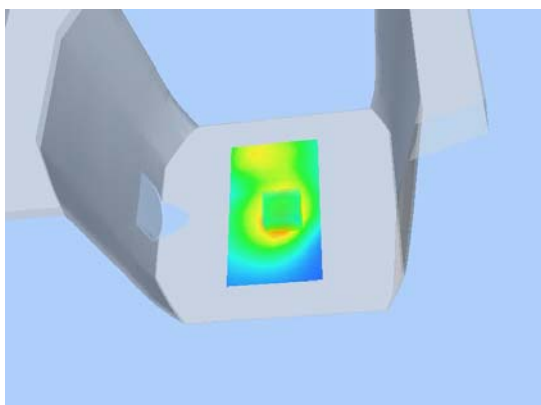
3A, F1.6, Tianfa Building, Tian'an Cyber Park, Futian District, Shenzhen City, GD, PRC 518040

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.8786	0.5586	0.3482	0.2123

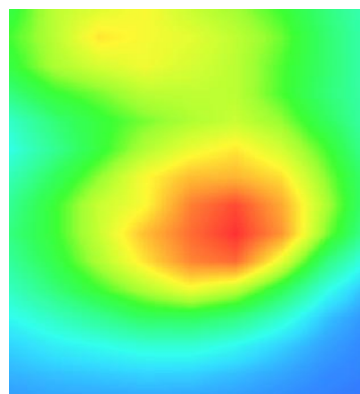
SAR, Z Axis Scan (X = 9, Y = -11)



3D screen shot



Hot spot position



Test Laboratory: AGC Lab
802.11b (Hotspot) Mid- Body- Front

Date: Jul.11, 2013

DUT: 10.1" platinum; Type: AC101PL

Communication System: Wi-Fi; Communication System Band: 802.11b (Hotspot); Duty Cycle: 1:1;
Conv.F=4.32;

Frequency: 2437 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section

Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

SATIMO Configuration:

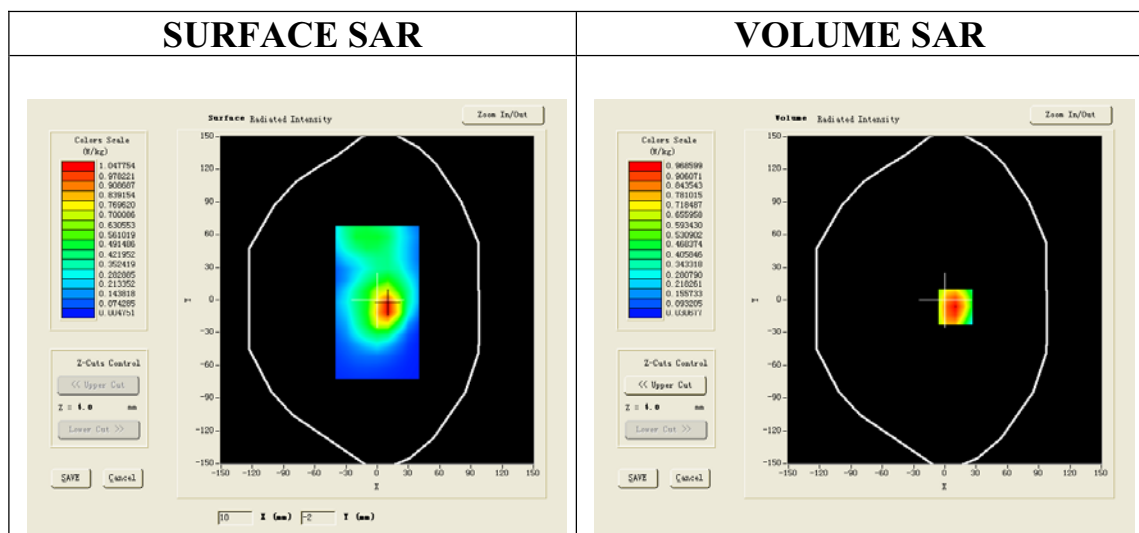
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/802.11b (Hotspot) Mid-Body- Front /Area Scan (6x8x1): Measurement grid: dx=20mm, dy=20mm

Configuration/802.11b (Hotspot) Mid-Body- Front Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Body Front
Band	2450MHz
Channels	Middle
Signal	TDMA (Crest factor: 8.0)



Maximum location: X=10.00, Y=-6.00

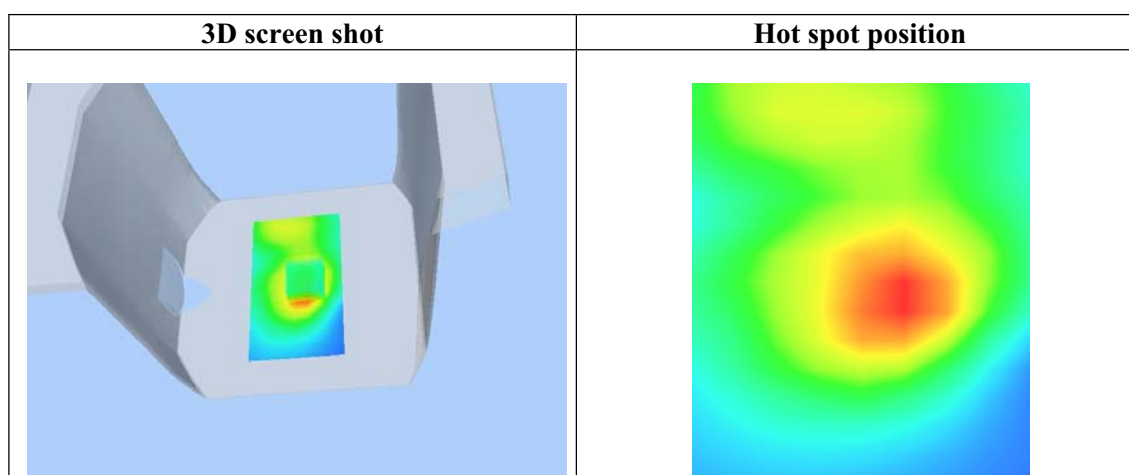
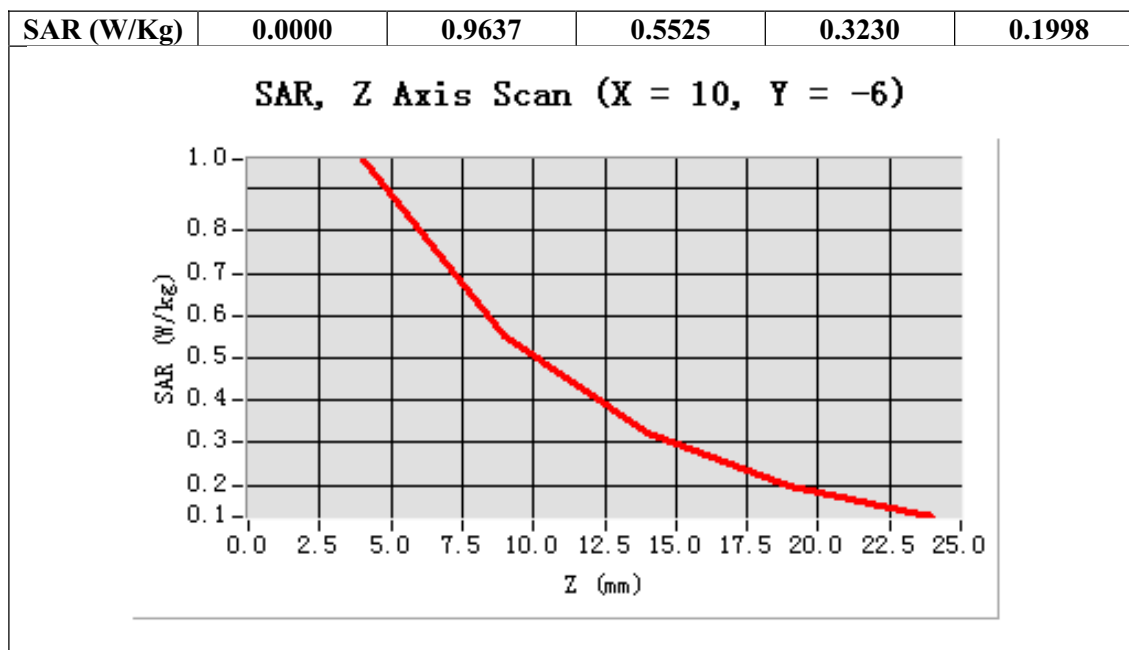
SAR 10g (W/Kg)	0.562964
SAR 1g (W/Kg)	0.994793

Z (mm)	0.00	4.00	9.00	14.00	19.00
---------------	-------------	-------------	-------------	--------------	--------------

Test Report No.: EFSN13060712E-8

Eurofins Testing Technology (Shenzhen) Co., Ltd.

3A, F1.6, Tianfa Building, Tian'an Cyber Park, Futian District, Shenzhen City, GD,PRC 518040



Test Laboratory: AGC Lab
802.11b (Hotspot) High- Body- Front

Date: Jul.11, 2013

DUT: 10.1" platinum; Type: AC101PL

Communication System: Wi-Fi; Communication System Band: 802.11b (Hotspot); Duty Cycle: 1:1;
Conv.F=4.32;

Frequency: 2462 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section

Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

SATIMO Configuration:

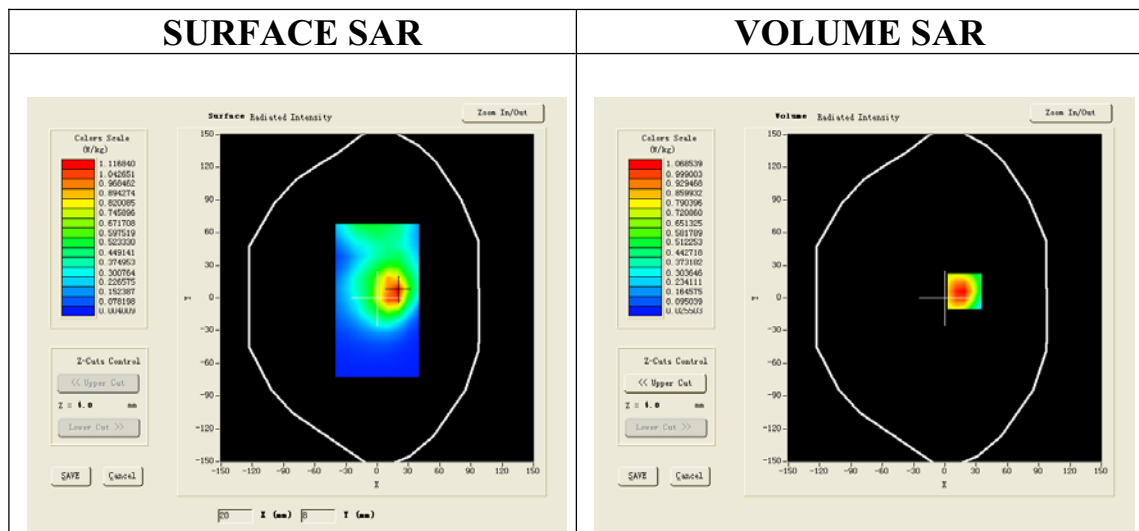
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/802.11b (Hotspot) High-Body- Front /Area Scan (6x8x1): Measurement grid: dx=20mm, dy=20mm

Configuration/802.11b (Hotspot) High-Body- Front Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Body Front
Band	2450MHz
Channels	High
Signal	TDMA (Crest factor: 8.0)



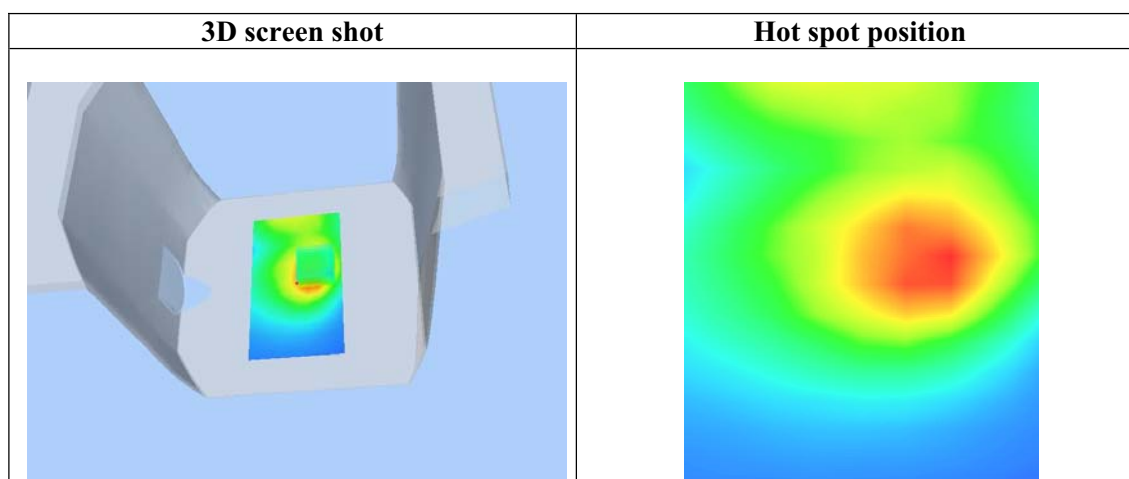
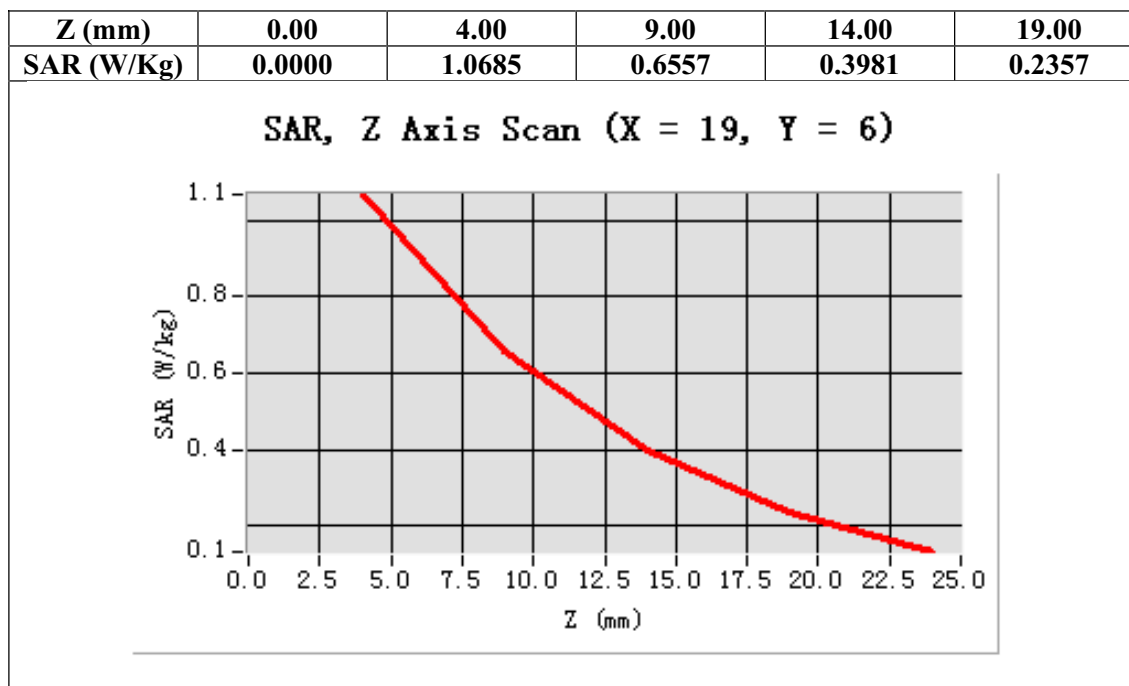
Maximum location: X=19.00, Y=6.00

SAR 10g (W/Kg)	0.636835
SAR 1g (W/Kg)	1.102481

Test Report No.: EFSN13060712E-8

Eurofins Testing Technology (Shenzhen) Co., Ltd.

3A, F1.6, Tianfa Building, Tian'an Cyber Park, Futian District, Shenzhen City, GD,PRC 518040



Test Laboratory: AGC Lab
802.11g (Hotspot) Low- Body- Front

Date: Jul.11, 2013

DUT: 10.1" platinum; Type: AC101PL

Communication System: Wi-Fi; Communication System Band: 802.11g (Hotspot); Duty Cycle: 1:1;
Conv.F=4.32;

Frequency: 2412 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section

Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

SATIMO Configuration:

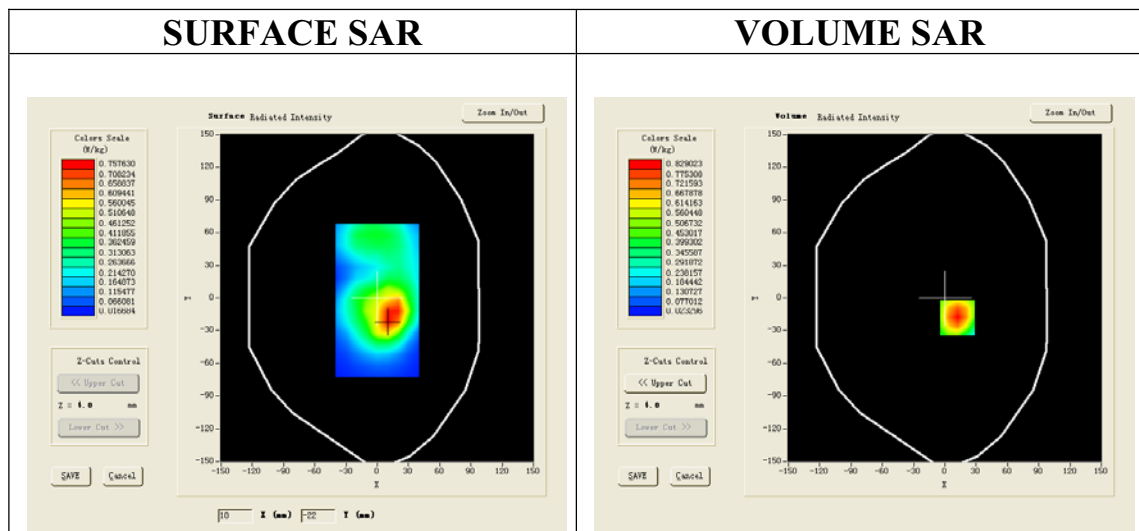
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/802.11g (Hotspot) Low-Body- Front /Area Scan (6x8x1): Measurement grid: dx=20mm, dy=20mm

Configuration/802.11g (Hotspot) Low-Body- Front Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Body Front
Band	2450MHz
Channels	Low
Signal	TDMA (Crest factor: 8.0)



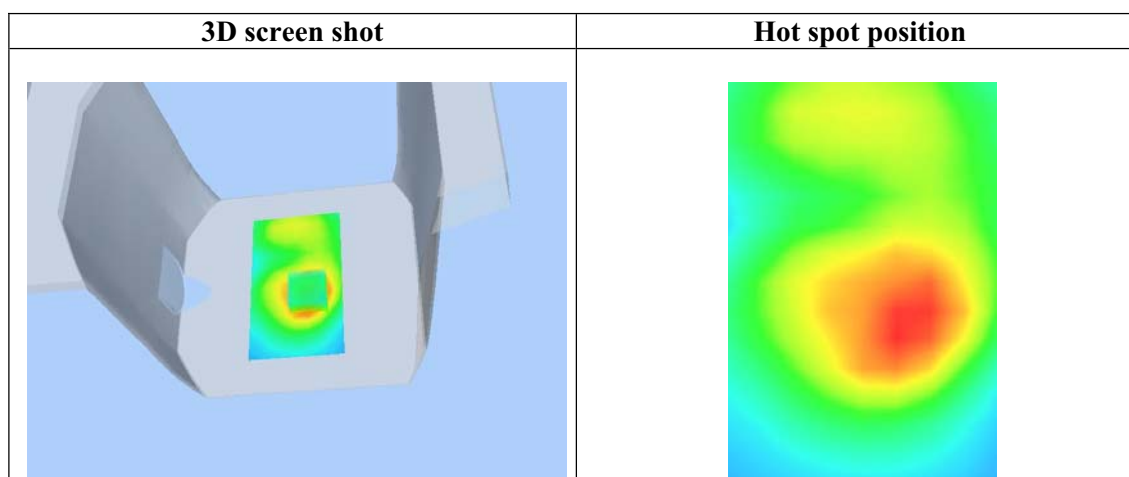
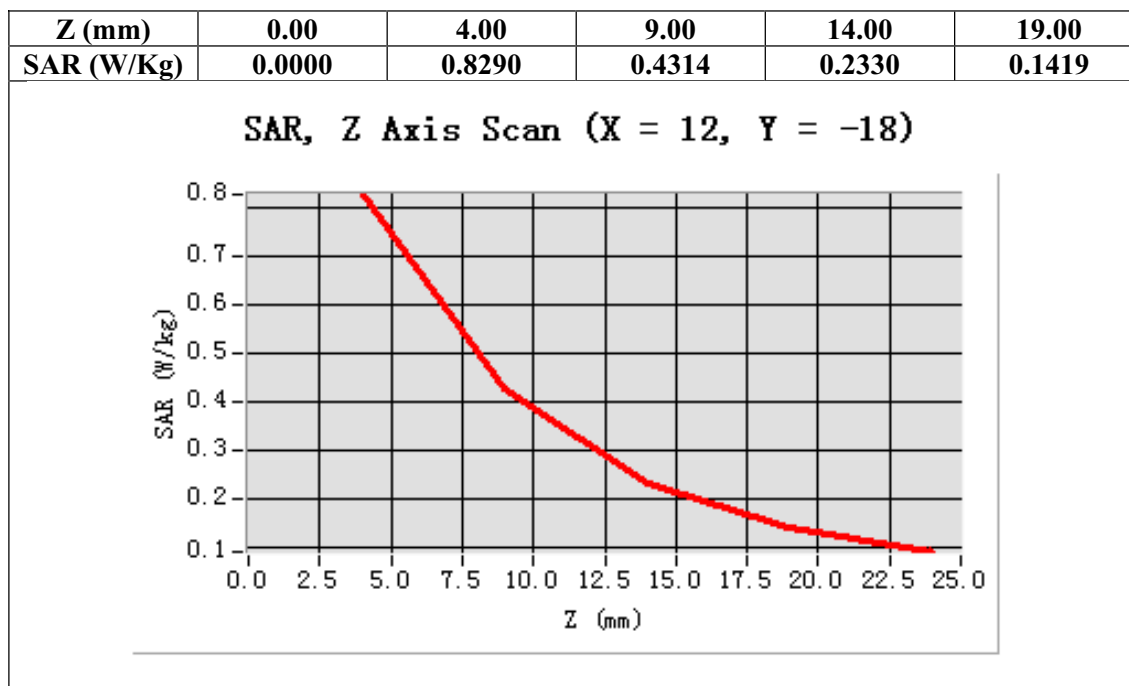
Maximum location: X=12.00, Y=-18.00

SAR 10g (W/Kg)	0.456271
SAR 1g (W/Kg)	0.847382

Test Report No.: EFSN13060712E-8

Eurofins Testing Technology (Shenzhen) Co., Ltd.

3A, F1.6, Tianfa Building, Tian'an Cyber Park, Futian District, Shenzhen City, GD,PRC 518040



Test Laboratory: AGC Lab
802.11g (Hotspot) Mid- Body- Front

Date: Jul.11, 2013

DUT: 10.1" platinum; Type: AC101PL

Communication System: Wi-Fi; Communication System Band: 802.11g (Hotspot); Duty Cycle: 1:1;
Conv.F=4.32;

Frequency: 2437 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section

Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

SATIMO Configuration:

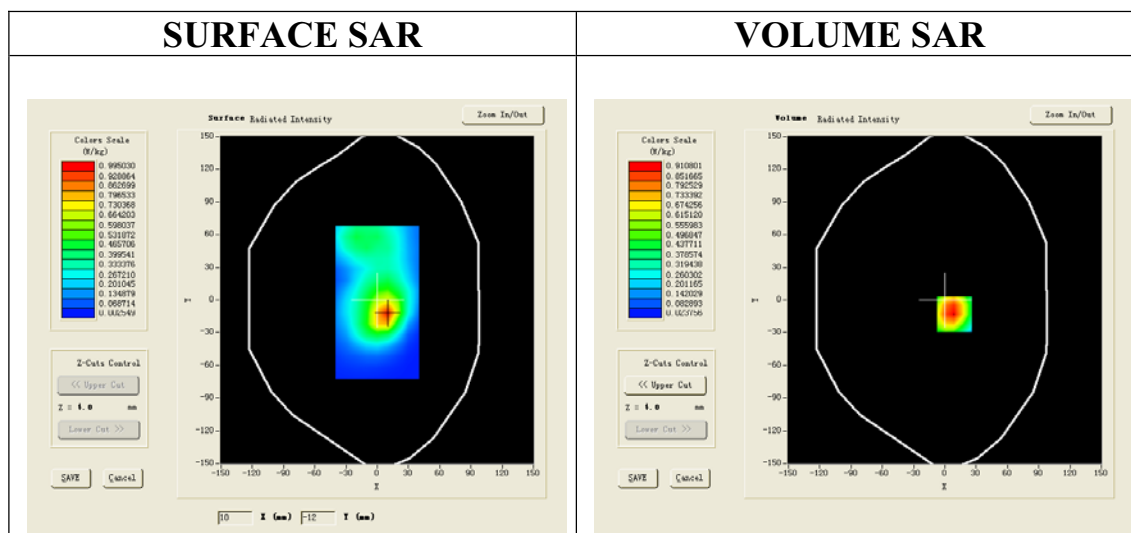
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/802.11g (Hotspot) Mid-Body- Front /Area Scan (6x8x1): Measurement grid: dx=20mm, dy=20mm

Configuration/802.11g (Hotspot) Mid-Body- Front Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Body Front
Band	2450MHz
Channels	Middle
Signal	TDMA (Crest factor: 8.0)



Maximum location: X=9.00, Y=-13.00

SAR 10g (W/Kg)	0.539375
SAR 1g (W/Kg)	0.932871

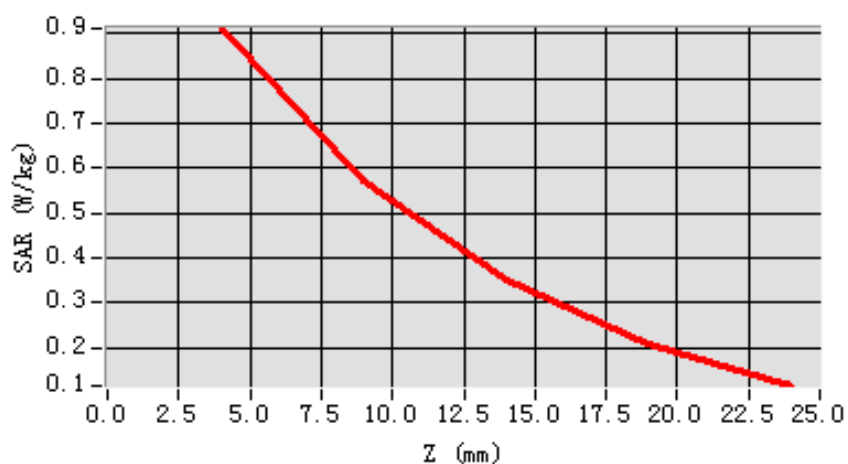
Test Report No.: EFSN13060712E-8

Eurofins Testing Technology (Shenzhen) Co., Ltd.

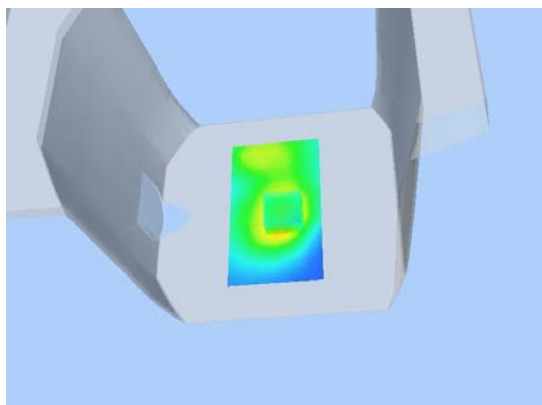
3A, F1.6, Tianfa Building, Tian'an Cyber Park, Futian District, Shenzhen City, GD,PRC 518040

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.9139	0.5792	0.3517	0.2102

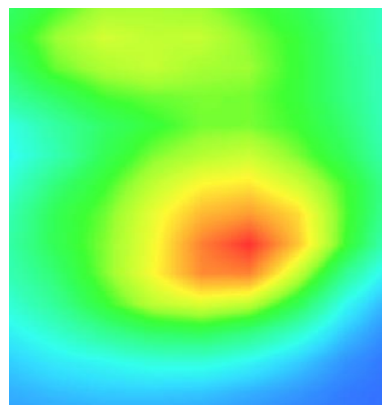
SAR, Z Axis Scan (X = 9, Y = -13)



3D screen shot



Hot spot position



Test Laboratory: AGC Lab
802.11g (Hotspot) High- Body- Front

Date: Jul.11, 2013

DUT: 10.1" platinum; Type: AC101PL

Communication System: Wi-Fi; Communication System Band: 802.11g (Hotspot); Duty Cycle: 1:1;
Conv.F=4.32;

Frequency: 2462 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³ ;

Phantom section: Flat Section

Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

SATIMO Configuration:

Probe: EP165; Calibrated: 01/31/2013

• Sensor-Surface: 4mm (Mechanical Surface Detection)

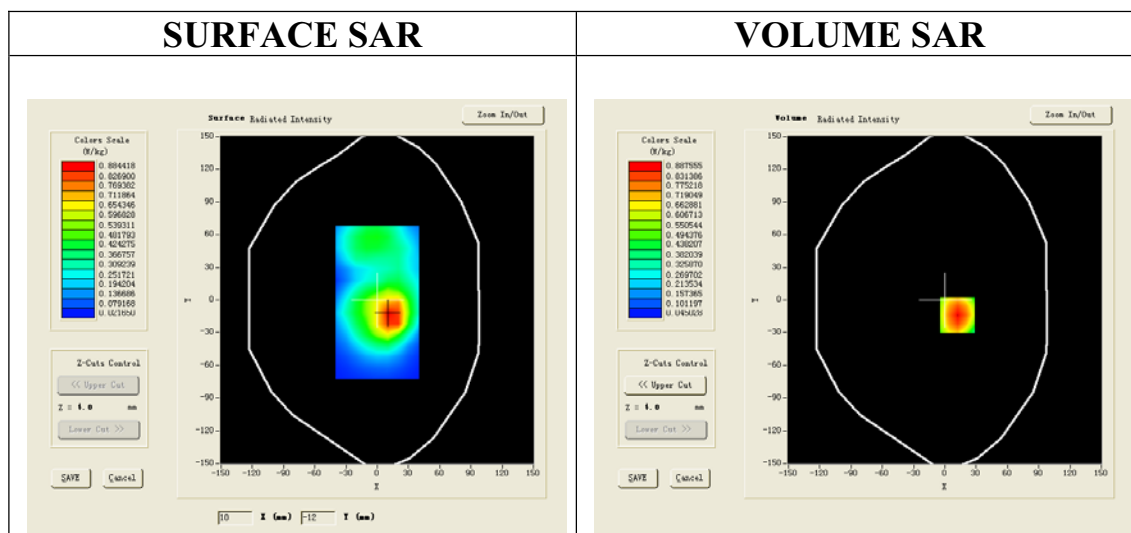
• Phantom: Flat Phantom; Type: Elliptical Phantom

• Measurement SW: OpenSAR V4_02_01

Configuration/802.11g (Hotspot) High-Body- Front /Area Scan (6x8x1): Measurement grid: dx=20mm, dy=20mm

Configuration/802.11g (Hotspot) High-Body- Front Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Body Front
Band	2450MHz
Channels	High
Signal	TDMA (Crest factor: 8.0)



Maximum location: X=12.00, Y=-14.00

SAR 10g (W/Kg)	0.521284
SAR 1g (W/Kg)	0.914128

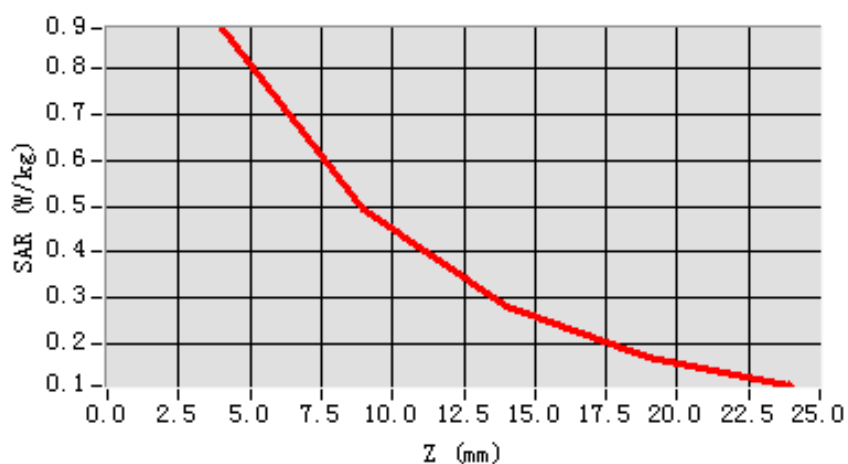
Test Report No.: EFSN13060712E-8

Eurofins Testing Technology (Shenzhen) Co., Ltd.

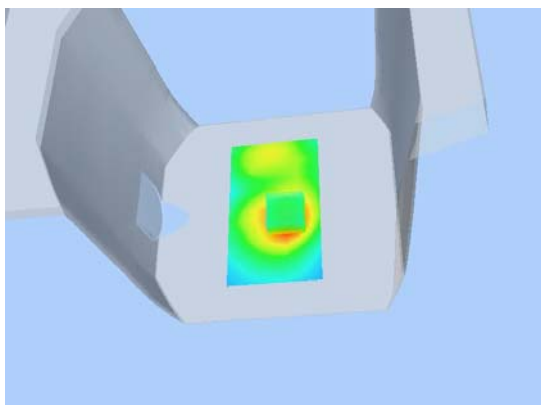
3A, F1.6, Tianfa Building, Tian'an Cyber Park, Futian District, Shenzhen City, GD, PRC 518040

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.8876	0.4919	0.2798	0.1722

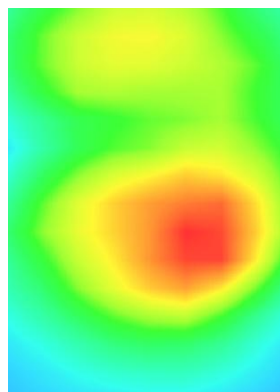
SAR, Z Axis Scan (X = 12, Y = -14)



3D screen shot



Hot spot position



Test Laboratory: AGC Lab
802.11n(20) (Hotspot) Mid- Body- Front

Date: Jul.11, 2013

DUT: 10.1" platinum; Type: AC101PL

Communication System: Wi-Fi; Communication System Band: 802.11n(20) (Hotspot); Duty Cycle: 1:1;
Conv.F=4.32;

Frequency: 2437 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.80$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section

Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

SATIMO Configuration:

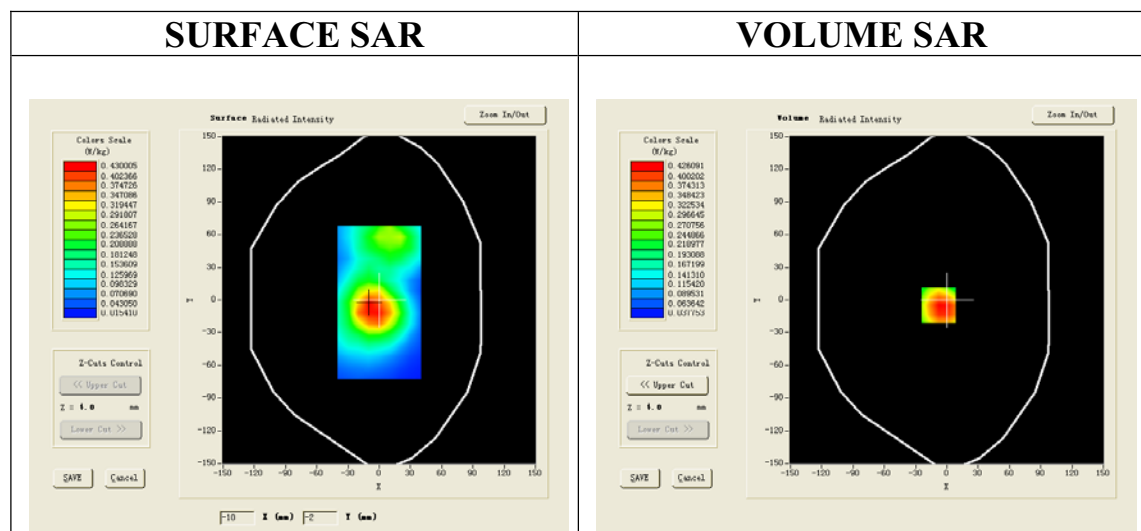
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4_02_01

Configuration/802.11n(20) (Hotspot) Mid-Body- Front /Area Scan (6x8x1): Measurement grid: dx=20mm, dy=20mm

Configuration/802.11n(20) (Hotspot) Mid-Body- Front Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Body Front
Band	2450MHz
Channels	Middle
Signal	TDMA (Crest factor: 8.0)



Maximum location: X=-8.00, Y=-5.00

SAR 10g (W/Kg)	0.286935
SAR 1g (W/Kg)	0.447206

Test Report No.: EFSN13060712E-8

Eurofins Testing Technology (Shenzhen) Co., Ltd.

3A, F1.6, Tianfa Building, Tian'an Cyber Park, Futian District, Shenzhen City, GD,PRC 518040

