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# SAR Test Report

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Report No.: AGC00529130603FH01

**FCC ID** : Y7WPLUMC102

**PRODUCT DESIGNATION** : Dazzle Mobile Phone

**APPLICATION PURPOSE** : Original Equipment

**BRAND NAME** : plum

**MODEL NAME** : C102

**CLIENT** : CLC Hong Kong Limited

**DATE OF ISSUE** : Jul.02, 2013

**STANDARD(S)** : FCC Oet65 Supplement C June 2001  
IEEE Std. 1528-2003  
47CFR § 2.1093

**REPORT VERSION** : V1.0

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



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### Report Revise Record

| Report Version | Revise Time | Issued Date  | Valid Version | Notes           |
|----------------|-------------|--------------|---------------|-----------------|
| V1.0           | /           | Jul.02, 2013 | Valid         | Original Report |

| Test Report Certification |                                                                                                                                                                         |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applicant Name            | CLC Hong Kong Limited                                                                                                                                                   |
| Applicant Address         | 2209, Concordia Plaza, North Tower, No.1 Science Museum Road, Tsim Sha Tsui East, Kowloon, Hong Kong                                                                    |
| Manufacturer Name         | CLC Technology Co., Ltd.                                                                                                                                                |
| Manufacturer Address      | Room 6G, Block C, NEO Building, Chegongmiao, Futian District, Shenzhen, P.R.China                                                                                       |
| Product Designation       | Dazzle Mobile Phone                                                                                                                                                     |
| Brand Name                | plum                                                                                                                                                                    |
| Model Name                | C102                                                                                                                                                                    |
| Different Description     | N/A                                                                                                                                                                     |
| EUT Voltage               | DC3.7V by battery                                                                                                                                                       |
| Applicable Standard       | FCC Oet65 Supplement C June 2001<br>IEEE Std. 1528-2003<br>47CFR § 2.1093                                                                                               |
| Test Date                 | Jul.01, 2013                                                                                                                                                            |
| Test Results              | MAX SAR MEASUREMENT(1g)<br>Head: <b>0.793</b> W/Kg Body: <b>0.738</b> W/Kg<br>(Maximum Scaling SAR = <b>0.808</b> W/Kg)<br>simultaneous transmission: <b>0.859</b> W/Kg |
| Performed Location        | Attestation of Global Compliance(Shenzhen) Co., Ltd.                                                                                                                    |
|                           | 2 F, Building 2, No.1-No.4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang Street, Bao'an District, Shenzhen, China                                             |
| Report Template           | AGCRT-US-2.5G2/SAR (2013-03-01)                                                                                                                                         |

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# 1. General Information

## 1.1. EUT Description

| General Information                  |                                                                                                                                                                                                                    |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Designation                  | Dazzle Mobile Phone                                                                                                                                                                                                |
| Test Model                           | C102                                                                                                                                                                                                               |
| Hardware Version                     | C323_MB_V2.0                                                                                                                                                                                                       |
| Software Version                     | N/A                                                                                                                                                                                                                |
| Device Category                      | Portable                                                                                                                                                                                                           |
| RF Exposure Environment              | Uncontrolled                                                                                                                                                                                                       |
| Antenna Type                         | Internal                                                                                                                                                                                                           |
| GSM and GPRS                         |                                                                                                                                                                                                                    |
| Support Band                         | <input checked="" type="checkbox"/> GSM 850 <input checked="" type="checkbox"/> PCS 1900 (U.S. Bands)<br><input checked="" type="checkbox"/> GSM 900 <input checked="" type="checkbox"/> DCS 1800 (Non-U.S. Bands) |
| GPRS Type                            | Class B                                                                                                                                                                                                            |
| GPRS Class                           | Class 8,10 ,12(1Tx+4Rx, 2Tx+3Rx, 3Tx+2Rx, 4Tx+1Rx)                                                                                                                                                                 |
| TX Frequency Range                   | GSM 850 : 824.2~848.8MHz;<br>PCS 1900: 1850.2~1909.8MHz;                                                                                                                                                           |
| RX Frequency Range                   | GSM 850 : 869~894MHz<br>PCS 1900: 1930~1990MHz                                                                                                                                                                     |
| Release Version                      | R99                                                                                                                                                                                                                |
| Type of modulation                   | GMSK for GSM/GPRS                                                                                                                                                                                                  |
| Antenna Gain                         | 1.0dBi                                                                                                                                                                                                             |
| Max. Output Power (Avg. Burst Power) | GSM850: 32.35dBm(31.67dBm- Avg. Burst Power)<br>PCS1900: 29.46dBm(28.72dBm- Avg. Burst Power)                                                                                                                      |
| Max. Output Power (Radiated)         | GSM850: 30.54dBm- ERP<br>PCS1900: 28.46dBm- EIRP                                                                                                                                                                   |
| Bluetooth                            |                                                                                                                                                                                                                    |
| Bluetooth Version                    | <input checked="" type="checkbox"/> V2.0 <input type="checkbox"/> V2.1 <input type="checkbox"/> V2.1+EDR <input type="checkbox"/> V3.0 <input type="checkbox"/> V3.0+EDR <input type="checkbox"/> V4.0             |
| Operation Frequency                  | 2402~2480MHz                                                                                                                                                                                                       |
| Type of modulation                   | <input checked="" type="checkbox"/> GFSK <input type="checkbox"/> II/4-DQPSK <input type="checkbox"/> 8-DPSK                                                                                                       |

|                    |                                                                                                    |
|--------------------|----------------------------------------------------------------------------------------------------|
| Avg. Burst Power   | 1.98dBm                                                                                            |
| Antenna Gain       | 0.8dBi                                                                                             |
| <b>Accessories</b> |                                                                                                    |
| Battery            | Brand name: plum<br>Model No. : PMB36<br>Voltage and Capacitance: 3.7 V & 800mA                    |
| Adapter            | Brand name: plum<br>Model No. : PMC03<br>Input: AC 100-240V~50/60HZ, 0.15A    Output: DC 5V, 500mA |
| Earphone           | Brand name: plum<br>Model No. : C102                                                               |

Note:

1. The EUT is a model of GSM Portable Mobile Station (MS). It supports GSM/GPRS and BT.
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 | EUT Communicate with CMU 200, and test them respectively at U.S. bands |

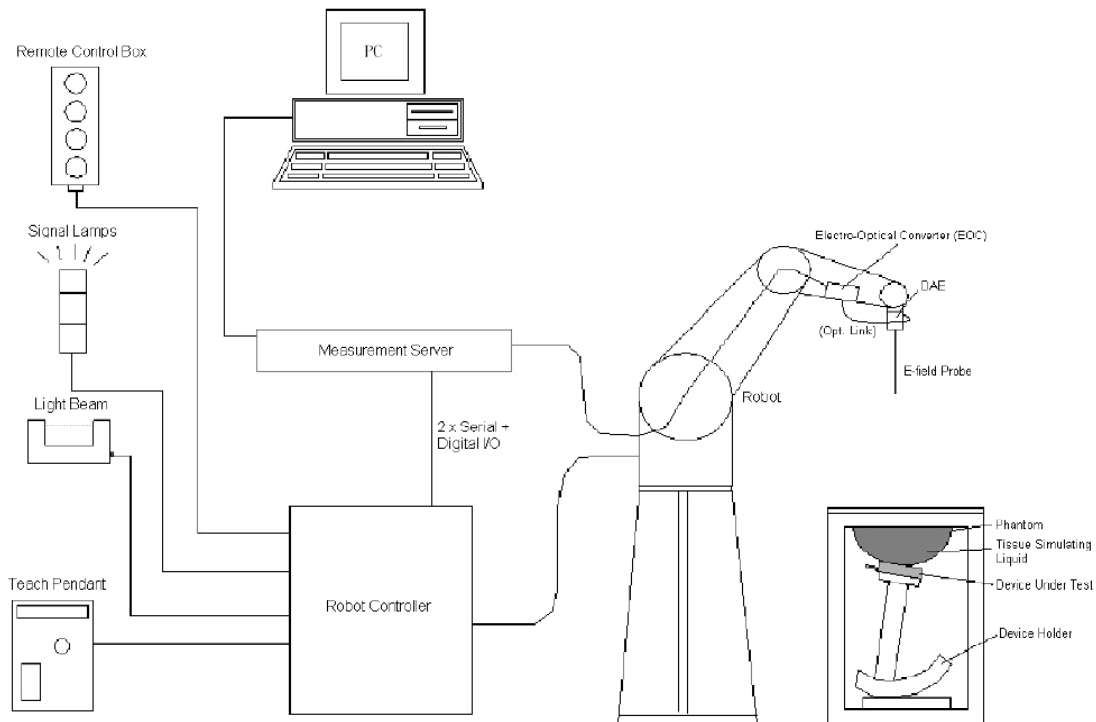
## 1.3. Test Environment

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 6-axis 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 Electro-optical 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 10mm<sup>2</sup> 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/m<sup>3</sup> 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.

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

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

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

## 2.2. COMOSAR E-Field Probe

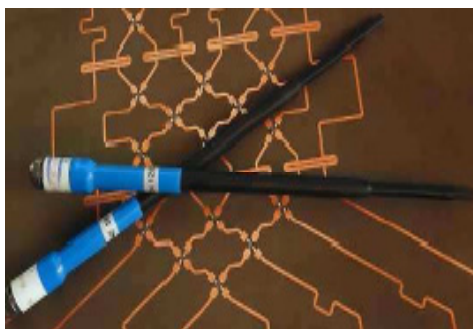
The SAR measurement is conducted with the dissymmetric probe manufactured by SPEAG.

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.

SPEAG 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<br>Linearity:±0.2dB(30 MHz-3 GHz)                                                                                                                                                            |                                                                                     |
| Dynamic Range | 0.01W/Kg-100W/Kg<br>Linearity:±0.2dB                                                                                                                                                                       |                                                                                     |
| Dimensions    | Overall length:330mm<br>Length of individual dipoles:4.5mm<br>Maximum external diameter:8mm<br>Probe Tip external diameter:5mm<br>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 high precision robots TX90 XL type out of the newer series 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.

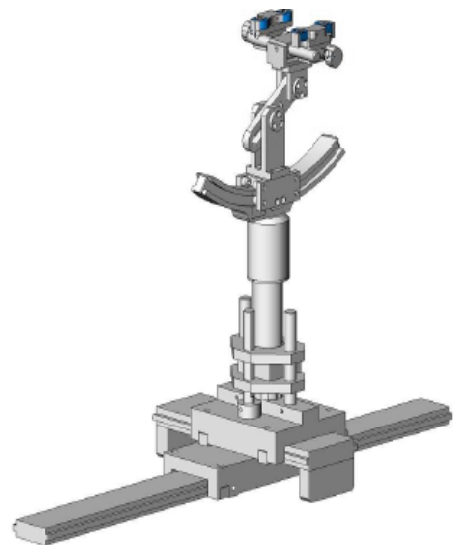


## 2.5. Device Holder

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  $\epsilon_r \approx 3$  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 SAM twin phantom is a fiberglass shell phantom with 2mm shell thickness (except the ear region where shell thickness increases to 6mm). It has three measurement areas:

- ☐ Left head
- ☐ Right head
- ☐ Flat phantom



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

### 3. Tissue Simulating Liquid

#### 3.1. The composition of the tissue simulating liquid

| Ingredient       | 850MHz | 850MHz | 1900MHz | 1900MHz |
|------------------|--------|--------|---------|---------|
| (% Weight)       | Head   | Body   | Head    | Body    |
| <b>Water</b>     | 40.45  | 52.4   | 54.90   | 40.5    |
| <b>Salt</b>      | 1.42   | 1.40   | 0.18    | 0.50    |
| <b>Sugar</b>     | 57.6   | 45.0   | 0.00    | 58.0    |
| <b>HEC</b>       | 0.40   | 1.00   | 0.00    | 0.50    |
| <b>Preventol</b> | 0.10   | 0.20   | 0.00    | 0.50    |
| <b>DGBE</b>      | 0.00   | 0.00   | 44.92   | 0.00    |

### 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 GSM 850 |       |                                |                                        |                                        |                  |
|------------------------------------------|-------|--------------------------------|----------------------------------------|----------------------------------------|------------------|
| Frequency (MHz)                          | Parts | Description                    | Dielectric Parameters                  |                                        | Tissue Temp [°C] |
| 850MHz                                   | Head  | Reference result<br>±5% window | $\epsilon_r$<br>41.50<br>39.425-43.575 | $\delta[s/m]$<br>0.90<br>0.855-0.945   | N/A              |
|                                          |       | Jul.01, 2013                   | 40.59                                  | 0.94                                   | 21               |
| 850MHz                                   | Body  | Reference result<br>±5% window | $\epsilon_r$<br>55.20<br>52.44-57.96   | $\delta[s/m]$<br>0.97<br>0.9215-1.0185 | N/A              |
|                                          |       | Jul.01, 2013                   | 54.02                                  | 0.98                                   | 21               |

| Tissue Stimulant Measurement for PCS 1900 |       |                                |                                        |                                      |                  |
|-------------------------------------------|-------|--------------------------------|----------------------------------------|--------------------------------------|------------------|
| Frequency (MHz)                           | Parts | Description                    | Dielectric Parameters                  |                                      | Tissue Temp [°C] |
| 1900MHz                                   | Head  | Reference result<br>±5% window | $\epsilon_r$<br>40.00<br>38.00-42.00   | $\delta[s/m]$<br>1.40<br>1.33-1.47   | N/A              |
|                                           |       | Jul.01, 2013                   | 41.95                                  | 1.40                                 | 21               |
| 1900MHz                                   | Body  | Reference result<br>±5% window | $\epsilon_r$<br>53.30<br>50.635-55.965 | $\delta[s/m]$<br>1.52<br>1.444-1.596 | N/A              |
|                                           |       | Jul.01, 2013                   | 52.83                                  | 1.49                                 | 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.

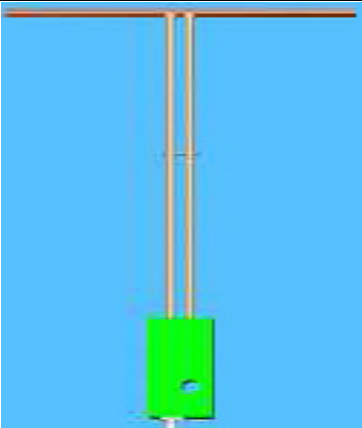
| Target Frequency<br>(MHz) | head         |                | body         |                |
|---------------------------|--------------|----------------|--------------|----------------|
|                           | $\epsilon_r$ | $\sigma$ (S/m) | $\epsilon_r$ | $\sigma$ (S/m) |
| 300                       | 45.3         | 0.87           | 58.2         | 0.92           |
| 450                       | 43.5         | 0.87           | 56.7         | 0.94           |
| <b>850</b>                | <b>41.5</b>  | <b>0.90</b>    | <b>55.2</b>  | <b>0.97</b>    |
| 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           |
| <b>1800 – 2000</b>        | <b>40.0</b>  | <b>1.40</b>    | <b>53.3</b>  | <b>1.52</b>    |
| 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           |

( $\epsilon_r$  = relative permittivity,  $\sigma$  = conductivity and  $\rho$  = 1000 kg/m<sup>3</sup>)

## 4. SAR Measurement Procedure

### 4.1. SAR System Validation

#### 4.1.1. Validation Dipoles

|                                                                                   |                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>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.</p> |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| Frequency | L (mm) | h (mm) | d (mm) |
|-----------|--------|--------|--------|
| 900 MHz   | 149.0  | 83.3   | 3.6    |
| 1900MHz   | 68     | 39.5   | 3.6    |



#### 4.1.2. Validation Result

| System Performance Check at 850 MHz &1900MHz for Head    |                               |                        |                        |                  |
|----------------------------------------------------------|-------------------------------|------------------------|------------------------|------------------|
| Validation Kit: SN 46/11DIP 0G900-185                    |                               |                        |                        |                  |
| Frequency [MHz]                                          | Description                   | SAR [w/kg] 1g          | SAR [w/kg] 10g         | Tissue Temp.[°C] |
| 850 MHz                                                  | Reference result ± 10% window | 10.9<br>9.81 to 11.99  | 6.99<br>6.29 to 7.69   | N/A              |
|                                                          | Jul.01, 2013                  | 10.99                  | 6.88                   | 21.0             |
| Validation Kit: SN 46/11DIP 1G900-187                    |                               |                        |                        |                  |
| Frequency [MHz]                                          | Description                   | SAR [w/kg] 1g          | SAR [w/kg] 10g         | Tissue Temp.[°C] |
| 1900 MHz                                                 | Reference result ± 10% window | 39.7<br>35.73 to 43.67 | 20.5<br>18.45 to 22.55 | N/A              |
|                                                          | Jul.01, 2013                  | 40.11                  | 20.51                  | 21.0             |
| Note: All SAR values are normalized to 1W forward power. |                               |                        |                        |                  |

## 4.2. SAR Measurement Procedure

The COMOSAR calculates SAR using the following equation,

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

$\sigma$ : represents the simulated tissue conductivity

$\rho$ : 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 1mm<sup>2</sup>) 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 1mm<sup>3</sup>).

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 SID900          | SN46/11 DIP<br>0G900-185 | 12/09/2011                  | 12/08/2013                  |
| Dipole                | Satimo SID1900         | SN46/11 DIP<br>1G900-187 | 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 Meter           | HP E4418A              | US38261498               | 02/28/2013                  | 02/27/2014                  |
| Network Analyzer      | Rhode & Schwarz<br>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 300 MHz to 6 GHz averaged over 1 gram / 10 gram.   |         |             |                |            |                 |                 |                           |                           |              |
| Error Description                                                              | Sec     | Tol<br>(±%) | Prob.<br>Dist. | Div.       | (Ci)<br>1g      | (Ci)<br>10g     | Std.<br>Unc.<br>(1g) (±%) | Std.<br>Unc.<br>(10g)(±%) | (Vi)<br>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                   |              |

## 8. Conducted Power Measurement

| Mode                 | Frequency(MHz) | Peak Power(dBm) | Avg. Burst Power(dBm) | Duty cycle Factor(dBm) | Frame Power(dBm) |
|----------------------|----------------|-----------------|-----------------------|------------------------|------------------|
| Maximum Power <1>    |                |                 |                       |                        |                  |
| GSM 850              | 824.2          | 32.25           | 31.63                 | -9                     | 22.63            |
|                      | 836.6          | <b>32.35</b>    | <b>31.67</b>          | -9                     | 22.67            |
|                      | 848.8          | 32.32           | 31.46                 | -9                     | 22.46            |
| GPRS 850<br>(1 Slot) | 824.2          | 32.33           | 31.32                 | -9                     | 22.32            |
|                      | 836.6          | 32.25           | 31.33                 | -9                     | 22.33            |
|                      | 848.8          | 32.32           | 31.35                 | -9                     | 22.35            |
| GPRS 850<br>(2 Slot) | 824.2          | 29.41           | 28.53                 | -6                     | 22.53            |
|                      | 836.6          | 29.54           | 28.55                 | -6                     | 22.55            |
|                      | 848.8          | 29.62           | 28.47                 | -6                     | 22.47            |
| GPRS 850<br>(3 Slot) | 824.2          | 27.25           | 26.43                 | -4.26                  | 22.17            |
|                      | 836.6          | 27.42           | 26.52                 | -4.26                  | 22.26            |
|                      | 848.8          | 27.35           | 26.57                 | -4.26                  | 22.31            |
| GPRS 850<br>(4 Slot) | 824.2          | 26.33           | 25.63                 | -3                     | 22.63            |
|                      | 836.6          | 26.45           | 25.26                 | -3                     | 22.26            |
|                      | 848.8          | 26.42           | 25.53                 | -3                     | 22.53            |
| PCS1900              | 1850.2         | <b>29.46</b>    | <b>28.72</b>          | -9                     | 19.72            |
|                      | 1880           | 29.37           | 28.62                 | -9                     | 19.62            |
|                      | 1909.8         | 29.33           | 28.58                 | -9                     | 19.58            |
| GPRS1900<br>(1 Slot) | 1850.2         | 29.41           | 28.49                 | -9                     | 19.49            |
|                      | 1880           | 29.35           | 28.4                  | -9                     | 19.4             |
|                      | 1909.8         | 29.37           | 28.45                 | -9                     | 19.45            |
| GPRS1900<br>(2 Slot) | 1850.2         | 26.46           | 25.73                 | -6                     | 19.73            |
|                      | 1880           | 26.39           | 25.68                 | -6                     | 19.68            |
|                      | 1909.8         | 26.48           | 25.63                 | -6                     | 19.63            |
| GPRS1900<br>(3 Slot) | 1850.2         | 24.57           | 24.54                 | -4.26                  | 20.28            |
|                      | 1880           | 24.72           | 24.53                 | -4.26                  | 20.27            |
|                      | 1909.8         | 24.61           | 24.42                 | -4.26                  | 20.16            |
| GPRS1900<br>(4 Slot) | 1850.2         | 23.62           | 22.38                 | -3                     | 19.38            |
|                      | 1880           | 23.49           | 22.43                 | -3                     | 19.43            |
|                      | 1909.8         | 23.53           | 22.61                 | -3                     | 19.61            |
| Maximum Power <2>    |                |                 |                       |                        |                  |
| GSM 850              | 836.6          | 32.29           | 31.54                 | -9                     | 22.54            |
| PCS1900              | 1850.2         | 29.43           | 28.63                 | -9                     | 19.63            |

Note 1:

The Frame Power (Source-based time-averaged Power) is scaled the maximum burst average power based on time slots. The calculated methods are show as following:

Frame Power = Max burst power (1 Up Slot) – 9 dB

Frame Power = Max burst power (2 Up Slot) – 6 dB

Frame Power = Max burst power (3 Up Slot) -4.26dB

Frame Power = Max burst power (4 Up Slot) – 3 dB

## **9. Test Results**

### **9.1. SAR Test Results Summary**

#### **9.1.1. Test position and configuration**

Head SAR was performed with the device configured in the positions according to IEEE1528, and Body SAR was performed with the device 5mm from the phantom. Body SAR was also performed with the headset attached and without.

#### **9.1.2. Body SAR with Headset**

Testing with the headset was performed at the position and channels that resulted in the highest body SAR. This testing was performed with GPRS transmitting with 2/3/4 uplink timeslots. This operation mode represents the maximum SAR situation, when downloading data via GPRS and listening to music by headset. SAR without the headset attached was significantly higher than with the headset, and also was verified several times and confirmed, so the final test data shown were the worst case without headset. In the Body SAR test result table, body-worn means display of device down, body-front means display of device up.

#### **9.1.3. Operation Mode**

This is a multi-slot class 12 device capable of 4 uplink timeslots. During the head SAR test, the device was transmitting with maximum 1 uplink timeslot; during the body SAR test, it was transmitting with maximum 4 uplink timeslots. Additionally, this device doesn't support dual transfer mode (DTM).

#### 9.1.4. Test Result

**Open Mode:**

| SAR MEASUREMENT                        |            |        |                  |           |       |                           |                 |              |
|----------------------------------------|------------|--------|------------------|-----------|-------|---------------------------|-----------------|--------------|
| Ambient Temperature (°C) : 21 ± 2      |            |        |                  |           |       | Relative Humidity (%): 55 |                 |              |
| Liquid Temperature (°C) : 21 ± 2       |            |        |                  |           |       | Depth of Liquid (cm):>15  |                 |              |
| Product: Dazzle Mobile Phone           |            |        |                  |           |       |                           |                 |              |
| Test Mode: GSM850 with GMSK modulation |            |        |                  |           |       |                           |                 |              |
| Configuration                          |            |        | Antenna Position | Frequency |       | Power Drift (<±5%)        | SAR (1g) (W/kg) | Limit (W/kg) |
| SIM                                    | Position   | Status |                  | channel   | MHz   |                           |                 |              |
| <1>                                    | Left Head  | Cheek  | Fixed            | 128       | 824.2 | --                        | --              | --           |
|                                        |            |        |                  | 190       | 836.6 | -0.25                     | 0.587           | 1.6          |
|                                        |            |        |                  | 251       | 848.8 | --                        | --              | --           |
|                                        |            | Tilted | Fixed            | 128       | 824.2 | --                        | --              | --           |
|                                        |            |        |                  | 190       | 836.6 | 1.22                      | 0.347           | 1.6          |
|                                        |            |        |                  | 251       | 848.8 | --                        | --              | --           |
|                                        | Right Head | Cheek  | Fixed            | 128       | 824.2 | --                        | --              | --           |
|                                        |            |        |                  | 190       | 836.6 | 0.63                      | 0.409           | 1.6          |
|                                        |            |        |                  | 251       | 848.8 | --                        | --              | --           |
|                                        |            | Tilted | Fixed            | 128       | 824.2 | --                        | --              | --           |
|                                        |            |        |                  | 190       | 836.6 | 0.44                      | 0.390           | 1.6          |
|                                        |            |        |                  | 251       | 848.8 | --                        | --              | --           |
| <2>                                    | Left       | Cheek  | Fixed            | 190       | 836.6 | -0.45                     | 0.575           | 1.6          |

Note: when the 1-g SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. refer to KDB 941225.



| SAR MEASUREMENT                        |            |                  |                  |           |       |                           |                 |              |
|----------------------------------------|------------|------------------|------------------|-----------|-------|---------------------------|-----------------|--------------|
| Ambient Temperature (°C) : 21 ± 2      |            |                  |                  |           |       | Relative Humidity (%): 55 |                 |              |
| Liquid Temperature (°C) : 21 ± 2       |            |                  |                  |           |       | Depth of Liquid (cm):>15  |                 |              |
| Product: Dazzle Mobile Phone           |            |                  |                  |           |       |                           |                 |              |
| Test Mode: GSM850 with GMSK modulation |            |                  |                  |           |       |                           |                 |              |
| Configuration                          |            |                  | Antenna Position | Frequency |       | Power Drift (<±5%)        | SAR (1g) (W/kg) | Limit (W/kg) |
| SIM                                    | Position   | Status           |                  | channel   | MHz   |                           |                 |              |
| <1>                                    | Body back  | MS               | Fixed            | 128       | 824.2 | --                        | --              | --           |
|                                        |            |                  |                  | 190       | 836.6 | 0.22                      | 0.264           | 1.6          |
|                                        |            |                  |                  | 251       | 848.8 | --                        | --              | --           |
|                                        |            | GPRS 2 TS        | Fixed            | 128       | 824.2 | --                        | --              | --           |
|                                        |            |                  |                  | 190       | 836.6 | -1.32                     | 0.256           | 1.6          |
|                                        |            |                  |                  | 251       | 848.8 | --                        | --              | --           |
|                                        |            | GPRS 3 TS        | Fixed            | 128       | 824.2 | --                        | --              | --           |
|                                        |            |                  |                  | 190       | 836.6 | 0.36                      | 0.256           | 1.6          |
|                                        |            |                  |                  | 251       | 848.8 | --                        | --              | --           |
|                                        |            | GPRS 4 TS        | Fixed            | 128       | 824.2 | --                        | --              | --           |
|                                        |            |                  |                  | 190       | 836.6 | -1.57                     | 0.258           | 1.6          |
|                                        |            |                  |                  | 251       | 848.8 | --                        | --              | --           |
|                                        | Body Front | MS               | Fixed            | 128       | 824.2 | --                        | --              | --           |
|                                        |            |                  |                  | 190       | 836.6 | 0.22                      | 0.164           | 1.6          |
|                                        |            |                  |                  | 251       | 848.8 | --                        | --              | --           |
|                                        | Body back  | MS with Earphone | Fixed            | 128       | 824.2 | --                        | --              | --           |
|                                        |            |                  |                  | 190       | 836.6 | -0.74                     | 0.240           | 1.6          |
|                                        |            |                  |                  | 251       | 848.8 | --                        | --              | --           |

Note: when the 1-g SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. refer to KDB 941225.

| SAR MEASUREMENT                                                                                          |            |        |                  |           |        |                           |                 |              |
|----------------------------------------------------------------------------------------------------------|------------|--------|------------------|-----------|--------|---------------------------|-----------------|--------------|
| Ambient Temperature (°C) : 21 ± 2                                                                        |            |        |                  |           |        | Relative Humidity (%): 55 |                 |              |
| Liquid Temperature (°C) : 21 ± 2                                                                         |            |        |                  |           |        | Depth of Liquid (cm):>15  |                 |              |
| Product: Dazzle Mobile Phone                                                                             |            |        |                  |           |        |                           |                 |              |
| Test Mode: PCS1900 with GMSK modulation                                                                  |            |        |                  |           |        |                           |                 |              |
| Configuration                                                                                            |            |        | Antenna Position | Frequency |        | Power Drift (<±5%)        | SAR (1g) (W/kg) | Limit (W/kg) |
| SIM                                                                                                      | Position   | Status |                  | channel   | MHz    |                           |                 |              |
| <1>                                                                                                      | Left Head  | Cheek  | Fixed            | 512       | 1850.2 | --                        | --              | --           |
|                                                                                                          |            |        |                  | 661       | 1880.0 | 1.33                      | 0.527           | 1.6          |
|                                                                                                          |            |        |                  | 810       | 1909.8 | --                        | --              | --           |
|                                                                                                          |            | Tilted | Fixed            | 512       | 1850.2 | --                        | --              | --           |
|                                                                                                          |            |        |                  | 661       | 1880.0 | 0.22                      | 0.106           | 1.6          |
|                                                                                                          |            |        |                  | 810       | 1909.8 | --                        | --              | --           |
|                                                                                                          | Right Head | Cheek  | Fixed            | 512       | 1850.2 | --                        | --              | --           |
|                                                                                                          |            |        |                  | 661       | 1880.0 | -0.36                     | <b>0.793</b>    | 1.6          |
|                                                                                                          |            |        |                  | 810       | 1909.8 | --                        | --              | --           |
|                                                                                                          |            | Tilted | Fixed            | 512       | 1850.2 | --                        | --              | --           |
|                                                                                                          |            |        |                  | 661       | 1880.0 | 0.45                      | 0.166           | 1.6          |
|                                                                                                          |            |        |                  | 810       | 1909.8 | --                        | --              | --           |
| <2>                                                                                                      | Right      | Cheek  | Fixed            | 661       | 1880.0 | 0.64                      | 0.774           | 1.6          |
| Note: when the 1-g SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. refer to KDB 941225. |            |        |                  |           |        |                           |                 |              |

| SAR MEASUREMENT                         |            |                  |                  |           |        |                           |                 |              |
|-----------------------------------------|------------|------------------|------------------|-----------|--------|---------------------------|-----------------|--------------|
| Ambient Temperature (°C) : 21 ± 2       |            |                  |                  |           |        | Relative Humidity (%): 55 |                 |              |
| Liquid Temperature (°C) : 21 ± 2        |            |                  |                  |           |        | Depth of Liquid (cm):>15  |                 |              |
| Product: Dazzle Mobile Phone            |            |                  |                  |           |        |                           |                 |              |
| Test Mode: PCS1900 with GMSK modulation |            |                  |                  |           |        |                           |                 |              |
| Configuration                           |            |                  | Antenna Position | Frequency |        | Power Drift (<±5%)        | SAR (1g) (W/kg) | Limit (W/kg) |
| SIM                                     | Position   | Status           |                  | channel   | MHz    |                           |                 |              |
| <1>                                     | Body Back  | MS               | Fixed            | 512       | 1850.2 | --                        | --              | --           |
|                                         |            |                  |                  | 661       | 1880.0 | 0.22                      | <b>0.738</b>    | 1.6          |
|                                         |            |                  |                  | 810       | 1909.8 | --                        | --              | --           |
|                                         |            | GPRS 2 TS        | Fixed            | 512       | 1850.2 | --                        | --              | --           |
|                                         |            |                  |                  | 661       | 1880.0 | 1.32                      | 0.698           | 1.6          |
|                                         |            |                  |                  | 810       | 1909.8 | --                        | --              | --           |
|                                         |            | GPRS 3 TS        | Fixed            | 512       | 1850.2 | --                        | --              | --           |
|                                         |            |                  |                  | 661       | 1880.0 | 0.36                      | 0.644           | 1.6          |
|                                         |            |                  |                  | 810       | 1909.8 | --                        | --              | --           |
|                                         |            | GPRS 4 TS        | Fixed            | 512       | 1850.2 | --                        | --              | --           |
|                                         |            |                  |                  | 661       | 1880.0 | 4.11                      | 0.716           | 1.6          |
|                                         |            |                  |                  | 810       | 1909.8 | --                        | --              | --           |
|                                         | Body front | MS               | Fixed            | 512       | 1850.2 | --                        | --              | --           |
|                                         |            |                  |                  | 661       | 1880.0 | -1.06                     | 0.475           | 1.6          |
|                                         |            |                  |                  | 810       | 1909.8 | --                        | --              | --           |
|                                         | Body Back  | MS with Earphone | Fixed            | 512       | 1850.2 | --                        | --              | --           |
|                                         |            |                  |                  | 661       | 1880.0 | 2.35                      | 0.696           | 1.6          |
|                                         |            |                  |                  | 810       | 1909.8 | --                        | --              | --           |

Note: when the 1-g SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. refer to KDB 941225.

### Close Mode:

| SAR MEASUREMENT                                                                                          |            |        |                  |           |        |                           |                 |              |
|----------------------------------------------------------------------------------------------------------|------------|--------|------------------|-----------|--------|---------------------------|-----------------|--------------|
| Ambient Temperature (°C) : 21 ± 2                                                                        |            |        |                  |           |        | Relative Humidity (%): 55 |                 |              |
| Liquid Temperature (°C) : 21 ± 2                                                                         |            |        |                  |           |        | Depth of Liquid (cm):>15  |                 |              |
| Product: Dazzle Mobile Phone                                                                             |            |        |                  |           |        |                           |                 |              |
| Test Mode: GSM850 & PCS1900 with GMSK modulation                                                         |            |        |                  |           |        |                           |                 |              |
| Configuration                                                                                            |            |        | Antenna Position | Frequency |        | Power Drift (<±5%)        | SAR (1g) (W/kg) | Limit (W/kg) |
| SIM                                                                                                      | Position   | Status |                  | channel   | MHz    |                           |                 |              |
| <1>                                                                                                      | Left Head  | Cheek  | Fixed            | 190       | 836.6  | 0.36                      | <b>0.616</b>    | 1.6          |
|                                                                                                          | Body back  | MS     | Fixed            | 190       | 836.6  | 0.36                      | <b>0.465</b>    | 1.6          |
|                                                                                                          | Right Head | Cheek  | Fixed            | 661       | 1880.0 | -0.25                     | 0.538           | 1.6          |
|                                                                                                          | Body Back  | MS     | Fixed            | 661       | 1880.0 | -0.63                     | 0.708           | 1.6          |
| Note: when the 1-g SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. refer to KDB 941225. |            |        |                  |           |        |                           |                 |              |

## Simultaneous Multi-band Transmission Evaluation:

### Application Simultaneous Transmission information:

| Position | Simultaneous state    |
|----------|-----------------------|
| Head     | WWAN(voice)+Bluetooth |
| Body     | WWAN(voice)+Bluetooth |

#### NOTE:

- For simultaneous transmission at head and body exposure position, 2 transmitters simultaneous transmission was the worst state.
- Based upon KDB 447498 D01 v05, BT SAR is excluded as below table.
- Based upon KDB 447498 D01 v05, for handsets the test separation distance is determined by the smallest distance between the outer surface of the device and the user; which is 0mm for head SAR AND 5mm for body-worn SAR.
- If the test separation distance is <5mm, 5mm is used for excluded SAR calculation.
- For minimum test separation distance  $\leq 50$ mm, Bluetooth standalone SAR is excluded according to  $[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f \text{ (GHz)}} / x] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR
- KDB 447498 / 4.3.2 (2) when standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to following to determine simultaneous transmission SAR test exclusion:
  - $(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm}) \cdot [\sqrt{f \text{ (GHz)}} / x] \text{ W/kg}$  for test separation distances  $\leq 50$  mm; Where  $x = 7.5$  for 1-g SAR, and  $x = 18.75$  for 10-g SAR.
  - 0.4W/Kg for 1-g SAR and 1.0W/Kg for 10-g SAR, when the separation distance is >50mm.

|    |      | Maximum Average Power |       | Antenna to user (mm) | SAR exclusion threshold (mW) | SAR testing required (Yes/No) | Head (0mm gap) | Body (5mm gap) |
|----|------|-----------------------|-------|----------------------|------------------------------|-------------------------------|----------------|----------------|
|    |      | dBm                   | mW    |                      |                              |                               |                |                |
| BT | Head | 1.98                  | 1.578 | 5                    | 10                           | NO                            | 0.0663 W/kg    | 0.0663 W/kg    |
|    | Body |                       |       | 5                    | 10                           | NO                            |                |                |

### Maximum test results (WWAN) with BT Simultaneous Transmission SAR:

**BT:** Head (0 cm gap): 0.0663 W/kg and Body (0.5 cm gap): 0.0663 W/kg

Head (WWAN (voice)+BT): 0.793 W/kg+ 0.0663 W/kg = 0.8593 W/kg

Body (WWAN (voice) +BT): 0.738 W/kg+ 0.0663 W/kg = 0.8013 W/kg

## Appendix A. SAR System Validation Data

Test Laboratory: AGC Lab

Date: Jul.01, 2013

System Check Head 850 MHz

DUT: Dipole 900 MHz Type: SID 900

Communication System CW; Communication System Band: D850 (850.0 MHz); Duty Cycle: 1:1; Conv.F=5.30

Frequency: 850 MHz; Medium parameters used:  $f = 850$  MHz;  $\sigma = 0.94$  mho/m;  $\epsilon_r = 40.59$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Flat Section; Input Power=10dBm

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

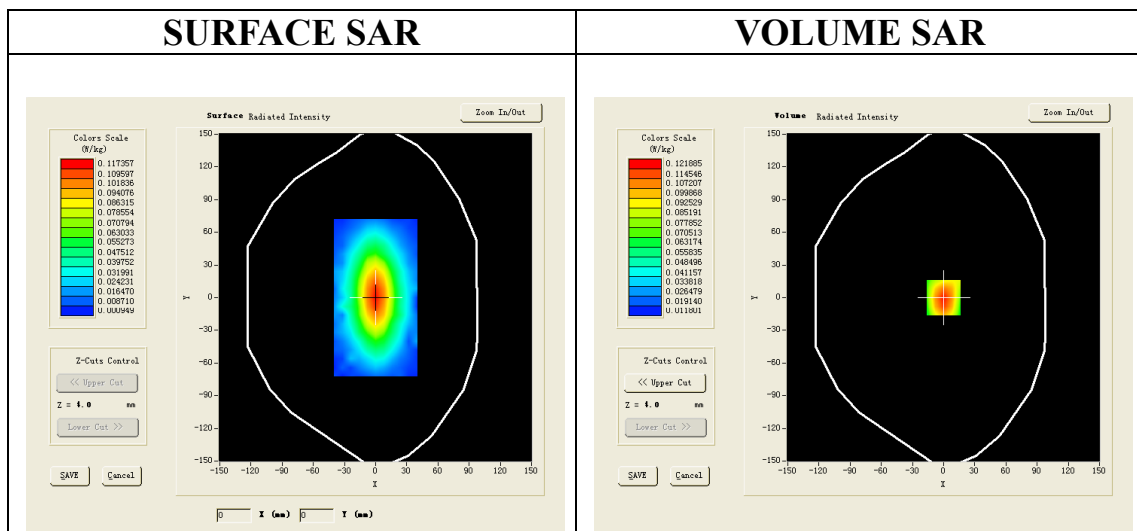
Satimo Configuration:

Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4\_02\_01

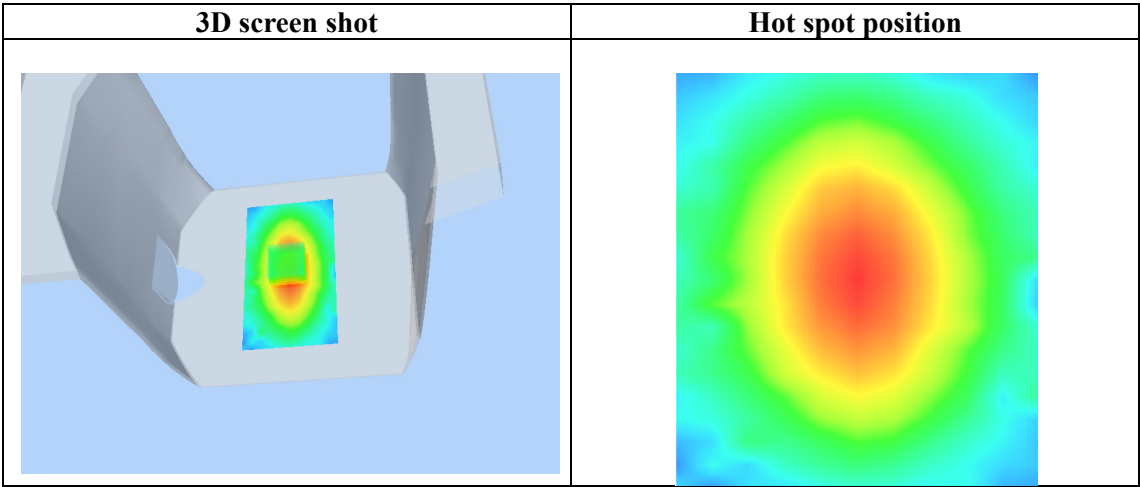
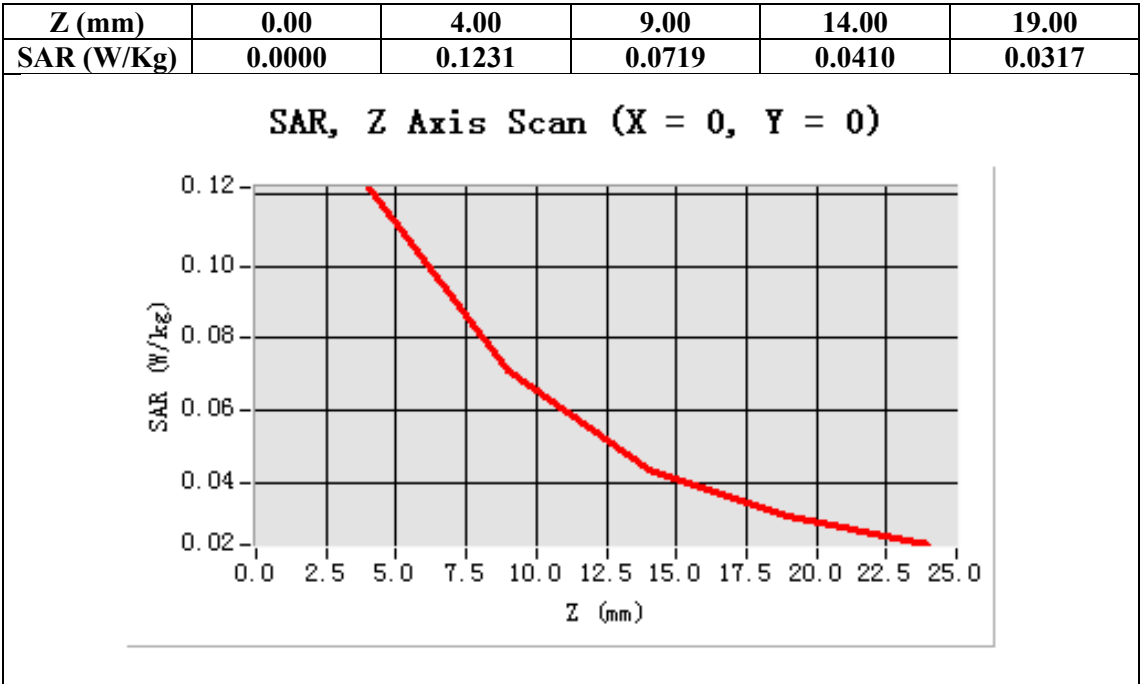
Configuration/System Check GSM 850 Head/Area Scan: Measurement grid: dx=8mm,dy=8mm

Configuration/System Check GSM 850 Head/Zoom Scan: Measurement grid: dx=8mm, dy=8mm, dz=5mm



Maximum location: X=0.00, Y=0.00

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.068804 |
| SAR 1g (W/Kg)  | 0.109915 |



Test Laboratory: AGC Lab  
System Check Head 1900MHz

Date: Jul.01, 2013

**DUT: Dipole 1900 MHz; Type: SID 1900**

Communication System: CW; Communication System Band: D1900 (1900.0 MHz); Duty Cycle:1:1; Conv.F=4.72  
Frequency: 1900 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.40$  mho/m;  $\epsilon_r = 41.95$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section; Input Power=10dBm  
Ambient temperature (°C): 21, Liquid temperature (°C): 21

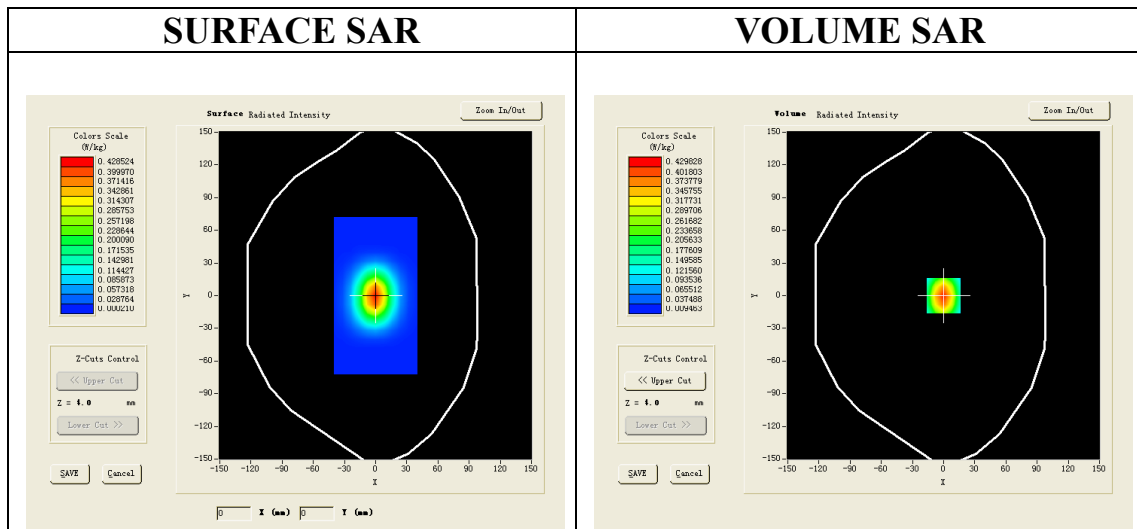
Satimo Configuration:

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 PCS1900 Head/Area Scan:** Measurement grid: dx=8mm, dy=8mm

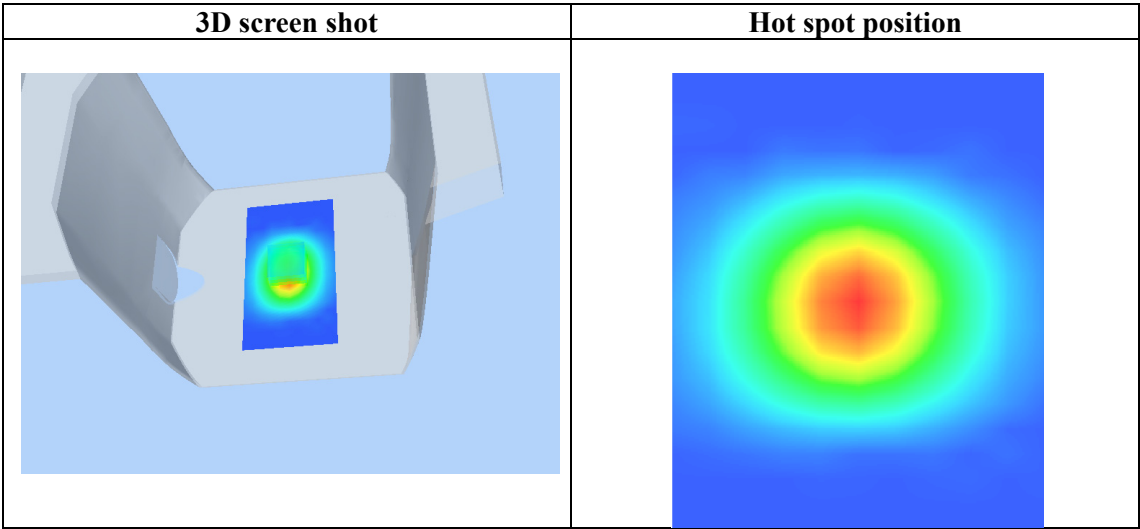
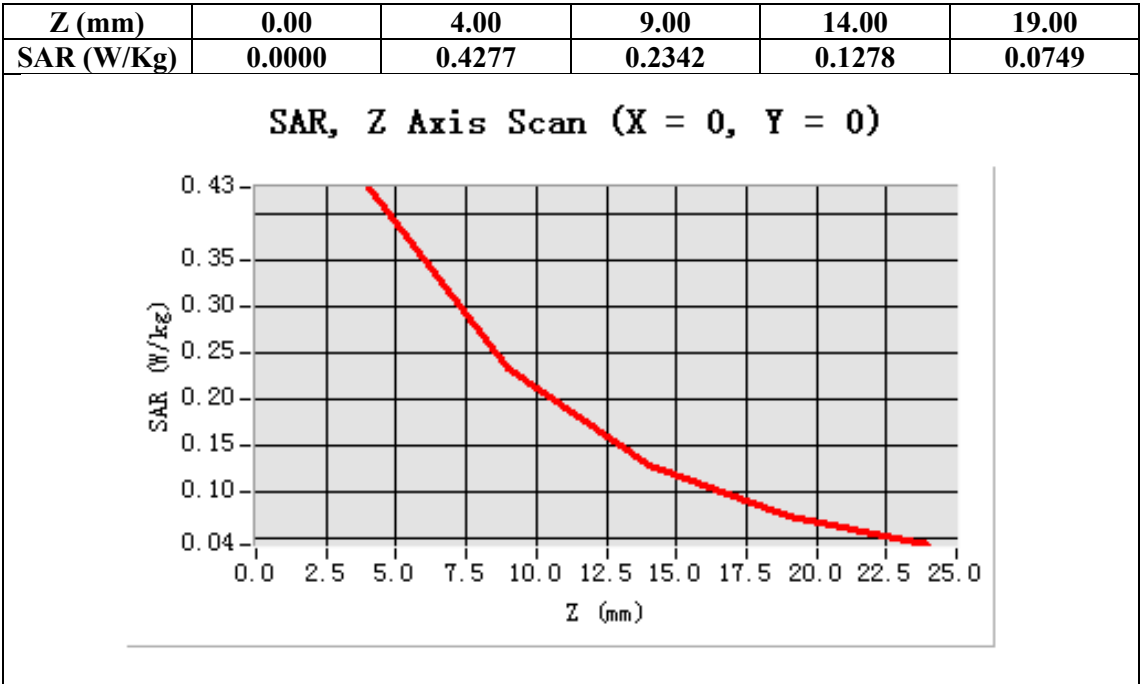
**Configuration/System Check PCS1900 Head/Zoom Scan:** Measurement grid: dx=8mm, dy=8mm, dz=5mm



**Maximum location: X=0.00, Y=0.00**

|                       |                 |
|-----------------------|-----------------|
| <b>SAR 10g (W/Kg)</b> | <b>0.205076</b> |
| <b>SAR 1g (W/Kg)</b>  | <b>0.401139</b> |





## Appendix B. SAR measurement Data

### Open Mode

Test Laboratory: AGC Lab

GSM 850 Mid-Touch-Left <SIM 1>

DUT: Dazzle Mobile Phone; Type: C102

Date: Jul.01, 2013

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=5.30  
Frequency: 836.6 MHz; Medium parameters used:  $f = 850$  MHz;  $\sigma = 0.94$  mho/m;  $\epsilon_r = 40.59$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Left Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

Satimo Configuration:

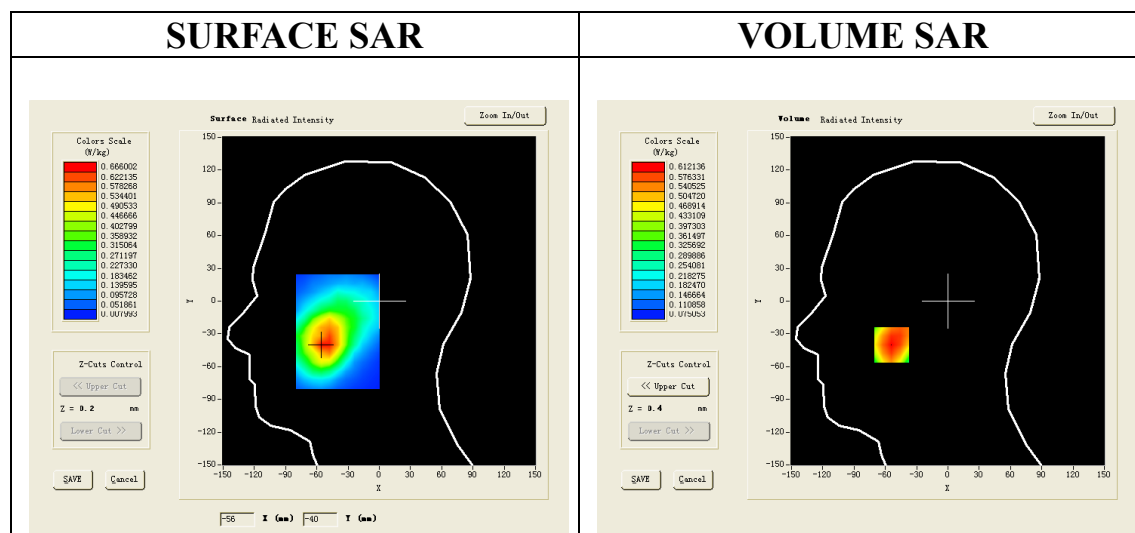
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4\_02\_01

Configuration/GSM 850 Mid-Touch-Left/Area Scan (6x8x1): Measurement grid: dx=20mm, dy=20mm

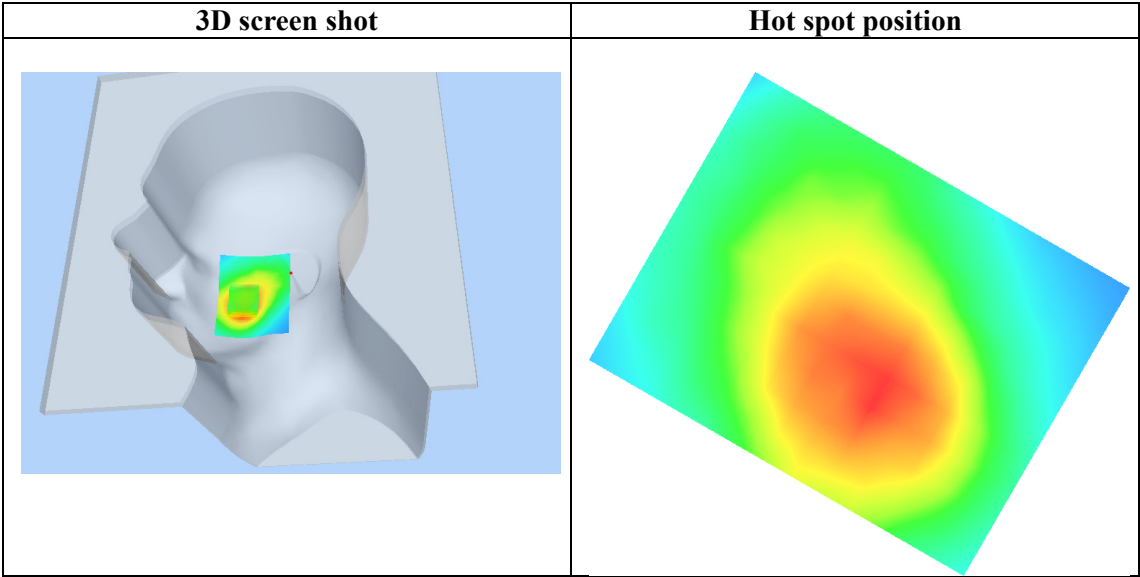
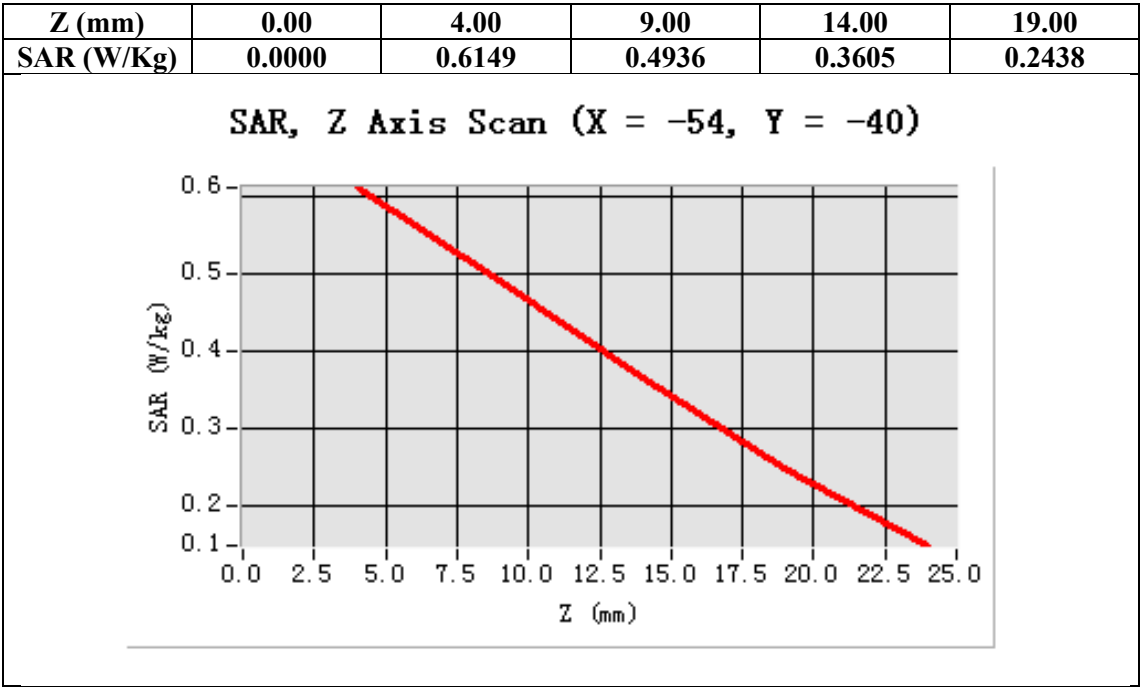
Configuration/GSM 850 Mid-Touch-Left/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

|                 |                                      |
|-----------------|--------------------------------------|
| Area Scan       | sam_direct_droit2_surf8mm.txt        |
| ZoomScan        | 5x5x7,dx=8mm dy=8mm dz=5mm,Very fast |
| Phantom         | Left head                            |
| Device Position | Cheek                                |
| Band            | GSM 850                              |
| Channels        | Middle                               |
| Signal          | TDMA (Crest factor: 8.0)             |



Maximum location: X=-54.00, Y=-40.00

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.415907 |
| SAR 1g (W/Kg)  | 0.587259 |



Test Laboratory: AGC Lab  
GSM 850 Mid-Tilt-Left <SIM 1>  
**DUT: Dazzle Mobile Phone; Type: C102**

**Date: Jul.01, 2013**

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=5.30;  
Frequency: 836.6 MHz; Medium parameters used:  $f = 850$  MHz;  $\sigma = 0.94$  mho/m;  $\epsilon_r = 40.59$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Left Section  
Ambient temperature (°C): 21.0, Liquid temperature(°C): 21.0

Satimo Configuration:

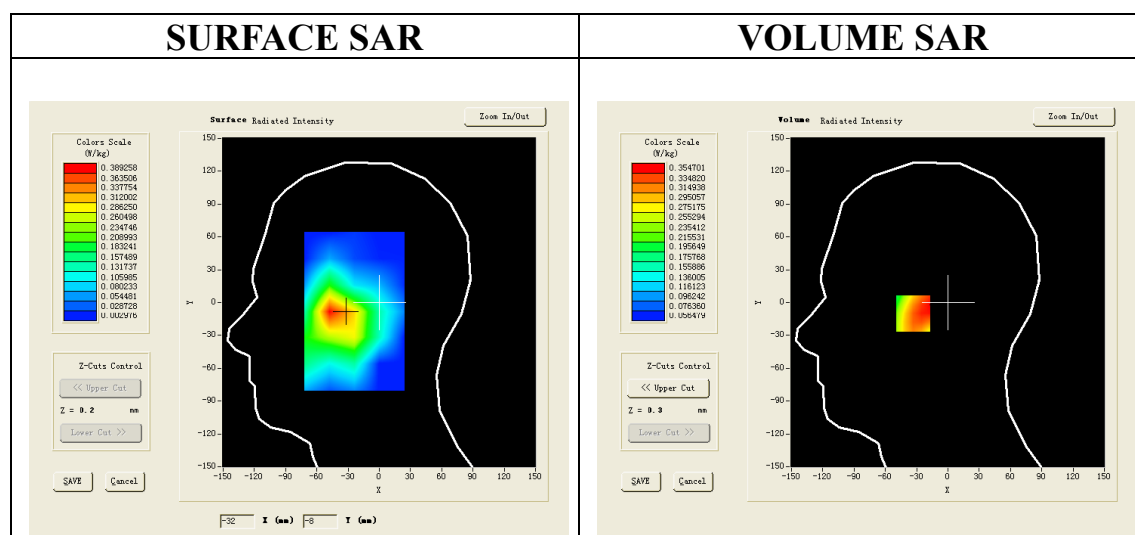
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/GSM 850 Mid-Tilt-Left/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

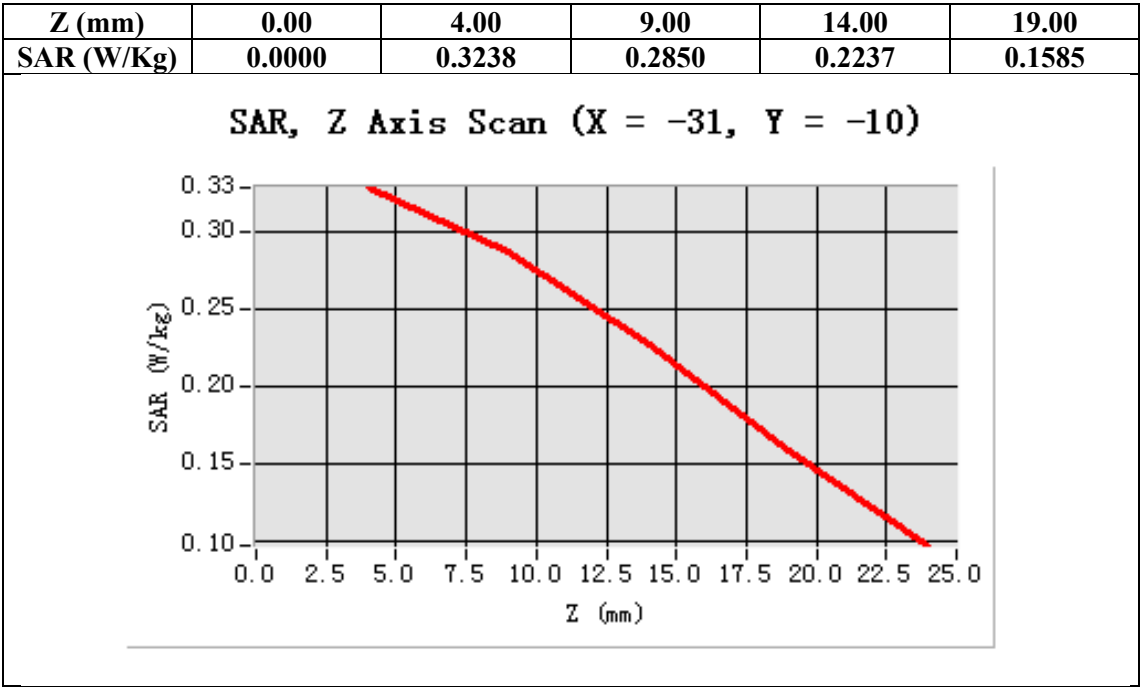
**Configuration/GSM 850 Mid-Tilt-Left/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm,dz=5mm;

|                        |                                      |
|------------------------|--------------------------------------|
| <b>Area Scan</b>       | sam_direct_droit2_surf8mm.txt        |
| <b>ZoomScan</b>        | 5x5x7,dx=8mm dy=8mm dz=5mm,Very fast |
| <b>Phantom</b>         | Left head                            |
| <b>Device Position</b> | Tilt                                 |
| <b>Band</b>            | GSM 850                              |
| <b>Channels</b>        | Middle                               |
| <b>Signal</b>          | TDMA (Crest factor: 8.0)             |



**Maximum location: X=-31.00, Y=-10.00**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.255907 |
| <b>SAR 1g (W/Kg)</b>  | 0.347241 |



Test Laboratory: AGC Lab  
GSM 850 Mid- Touch-Right <SIM 1>  
**DUT: Dazzle Mobile Phone; Type: C102**

**Date: Jul.01, 2013**

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=5.30;  
Frequency: 836.6 MHz; Medium parameters used:  $f = 850$  MHz;  $\sigma = 0.94$  mho/m;  $\epsilon_r = 40.59$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Right Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

**Satimo Configuration:**

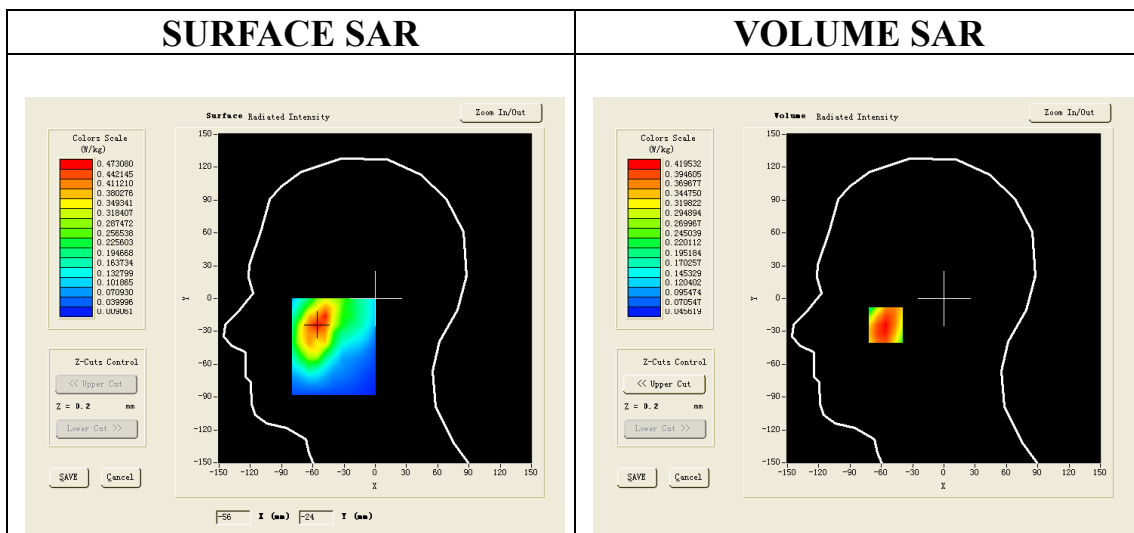
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/GSM 850 Mid-Touch-Right/Area Scan:** Measurement grid: dx=20mm, dy=20mm

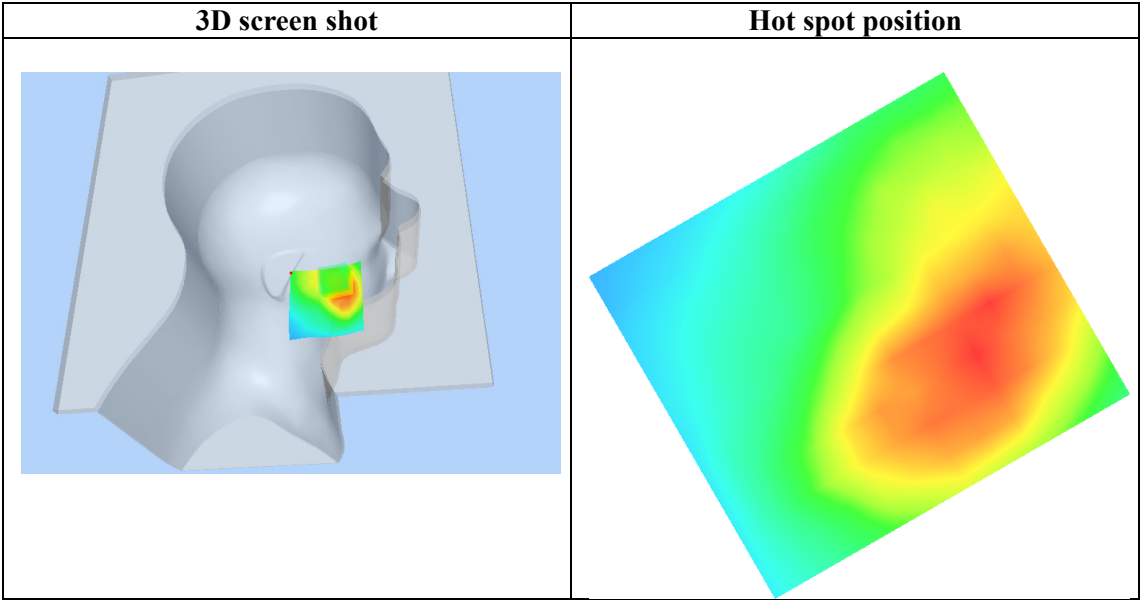
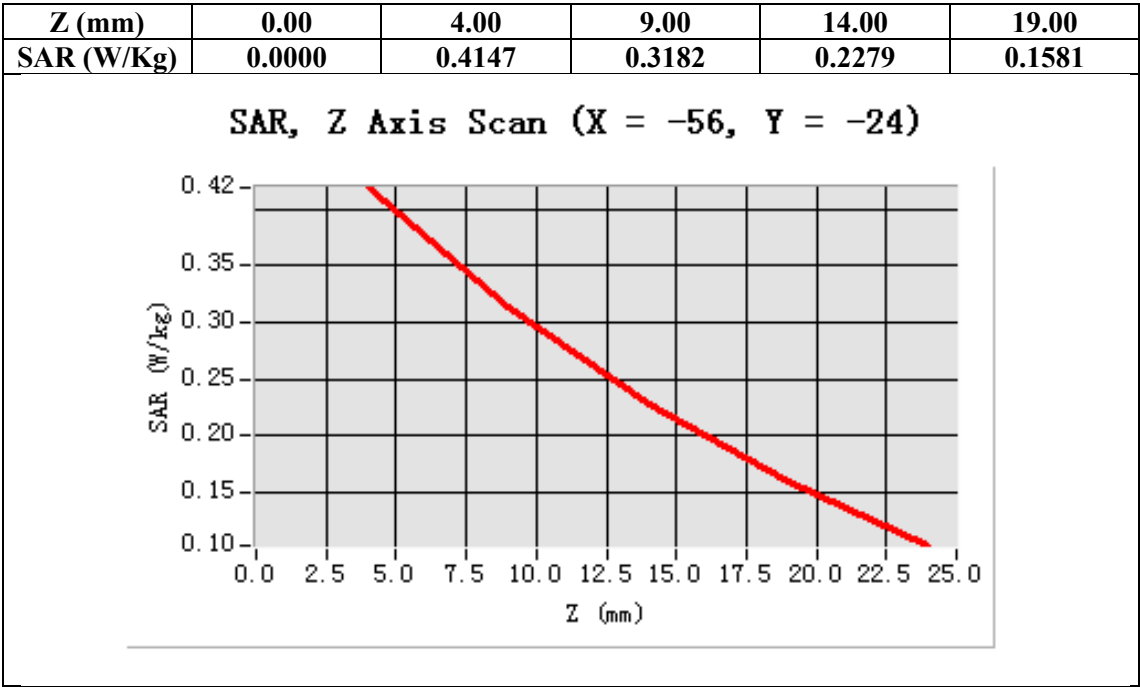
**Configuration/GSM 850 Mid-Touch-Right/Zoom Scan:** Measurement grid: dx=8mm, dy=8mm, dz=5mm;

|                        |                                      |
|------------------------|--------------------------------------|
| <b>Area Scan</b>       | sam_direct_droit2_surf8mm.txt        |
| <b>ZoomScan</b>        | 5x5x7,dx=8mm dy=8mm dz=5mm,Very fast |
| <b>Phantom</b>         | Right head                           |
| <b>Device Position</b> | Cheek                                |
| <b>Band</b>            | GSM 850                              |
| <b>Channels</b>        | Middle                               |
| <b>Signal</b>          | TDMA (Crest factor: 8.0)             |



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

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.278396 |
| <b>SAR 1g (W/Kg)</b>  | 0.409065 |



Test Laboratory: AGC Lab  
GSM 850 Mid-Tilt-Right <SIM 1>  
**DUT: Dazzle Mobile Phone; Type: C102**

**Date: Jul.01, 2013**

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=5.30;  
Frequency: 836.6 MHz; Medium parameters used:  $f = 850$  MHz;  $\sigma = 0.94$  mho/m;  $\epsilon_r = 40.59$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Right Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

Satimo Configuration:

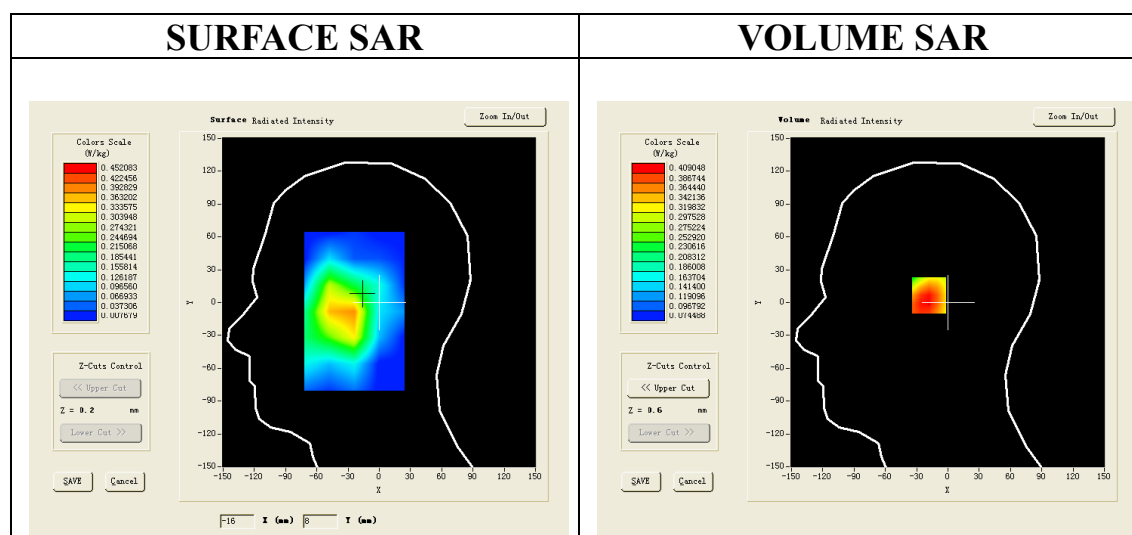
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/GSM 850 Mid-Tilt-Right/Area Scan:** Measurement grid: dx=20mm, dy=20mm

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

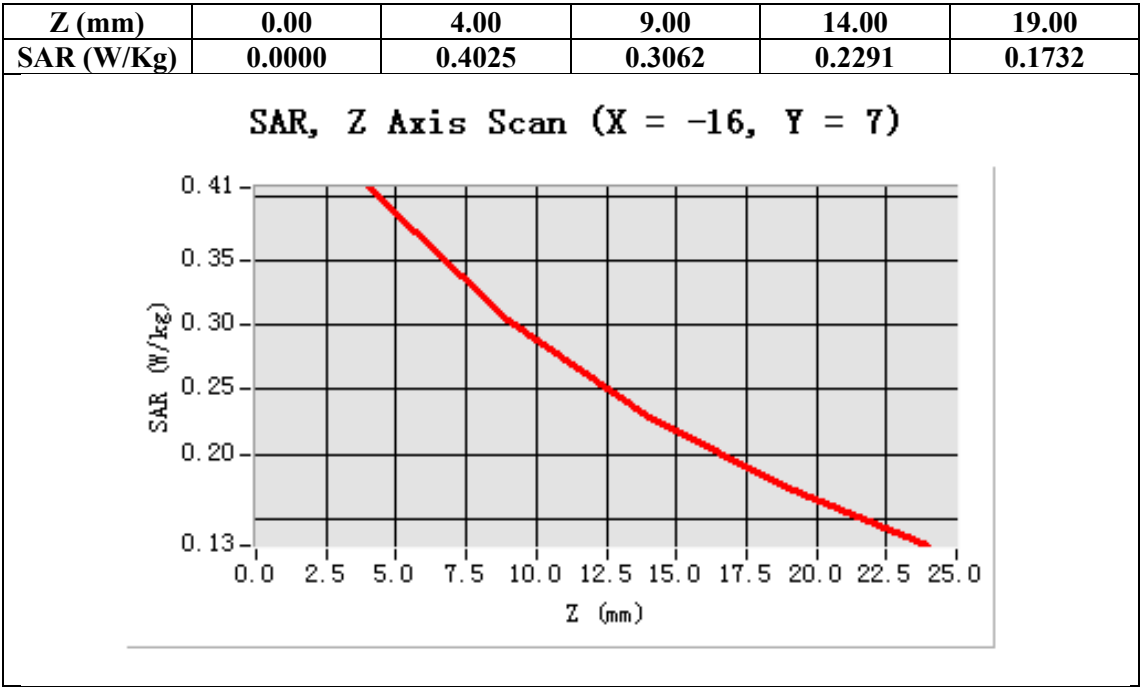
|                        |                                      |
|------------------------|--------------------------------------|
| <b>Area Scan</b>       | sam_direct_droit2_surf8mm.txt        |
| <b>Zoom Scan</b>       | 5x5x7,dx=8mm dy=8mm dz=5mm,Very fast |
| <b>Phantom</b>         | Right head                           |
| <b>Device Position</b> | Tilt                                 |
| <b>Band</b>            | GSM 850                              |
| <b>Channels</b>        | Middle                               |
| <b>Signal</b>          | TDMA (Crest factor: 8.0)             |



**Maximum location: X=-16.00, Y=7.00**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.285983 |
| <b>SAR 1g (W/Kg)</b>  | 0.390467 |





Test Laboratory: AGC Lab  
GSM 850 Mid-Touch-Left <SIM 2>  
**DUT: Dazzle Mobile Phone; Type: C102**

**Date: Jul.01, 2013**

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=5.30  
Frequency: 836.6 MHz; Medium parameters used:  $f = 850$  MHz;  $\sigma = 0.94$  mho/m;  $\epsilon_r = 40.59$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Left Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

Satimo Configuration:

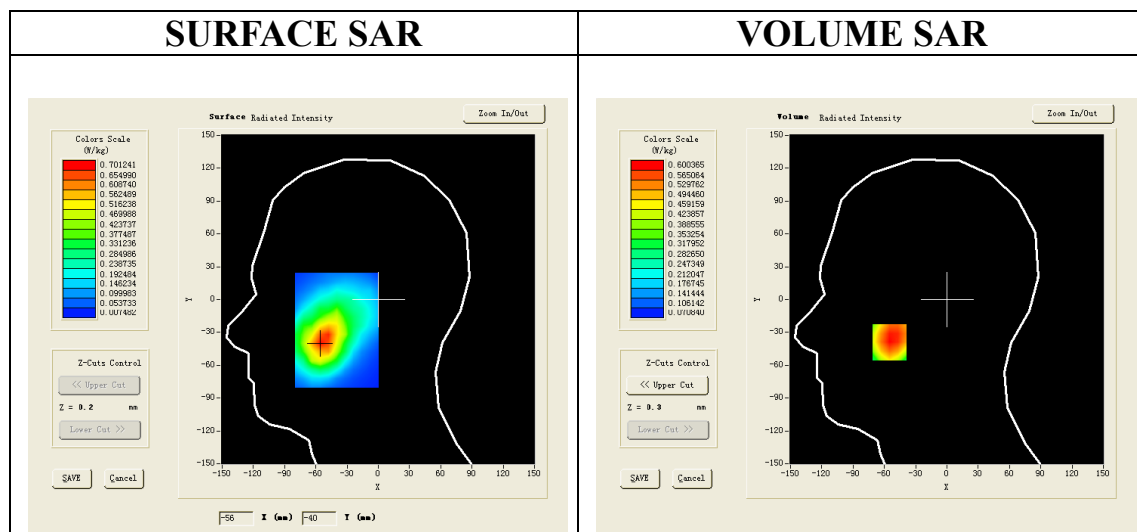
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/GSM 850 Mid-Touch-Left/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

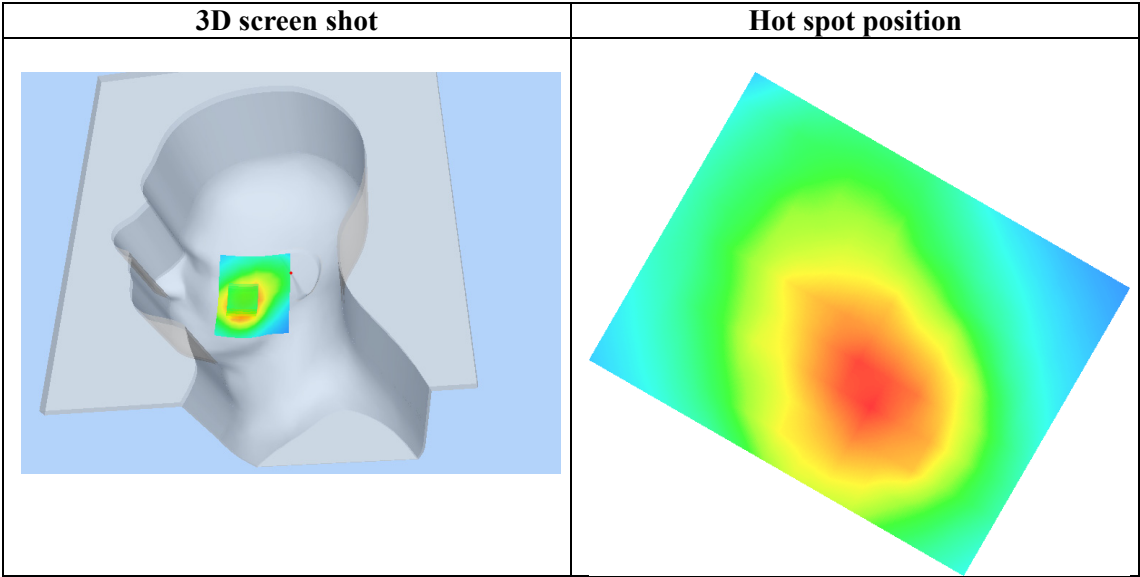
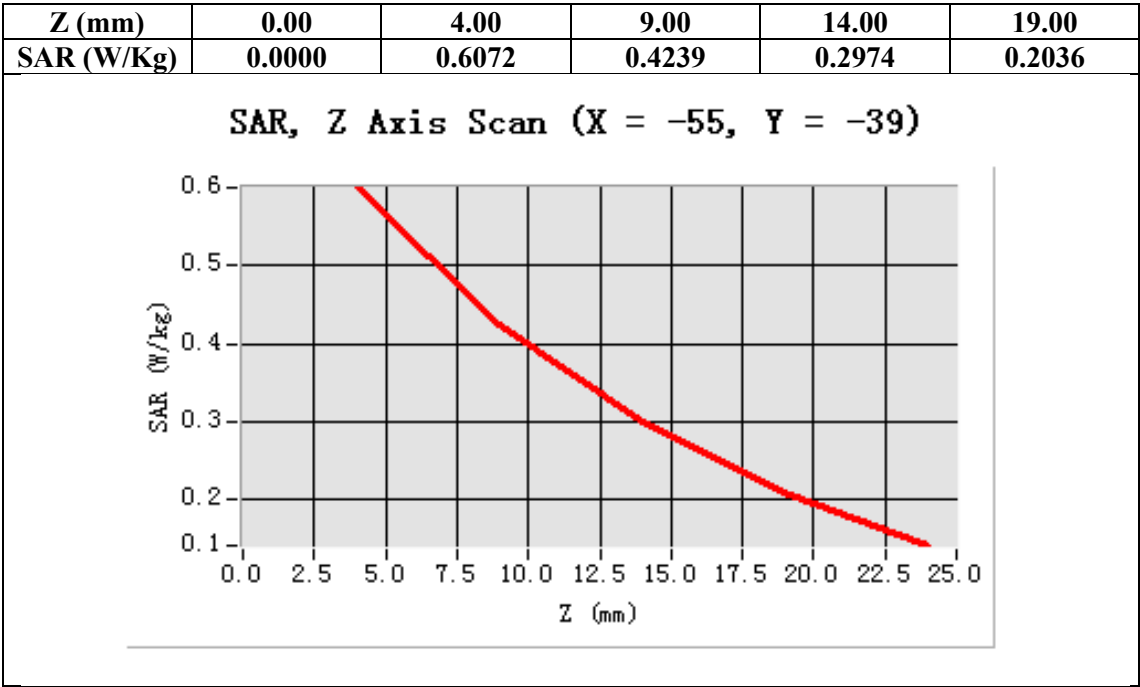
**Configuration/GSM 850 Mid-Touch-Left/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

|                        |                                      |
|------------------------|--------------------------------------|
| <b>Area Scan</b>       | sam_direct_droit2_surf8mm.txt        |
| <b>ZoomScan</b>        | 5x5x7,dx=8mm dy=8mm dz=5mm,Very fast |
| <b>Phantom</b>         | Left head                            |
| <b>Device Position</b> | Cheek                                |
| <b>Band</b>            | GSM 850                              |
| <b>Channels</b>        | Middle                               |
| <b>Signal</b>          | TDMA (Crest factor: 8.0)             |



**Maximum location: X=-55.00, Y=-39.00**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.387386 |
| <b>SAR 1g (W/Kg)</b>  | 0.575097 |



Test Laboratory: AGC Lab  
GSM 850 Mid- Body- Back <SIM 1>  
**DUT: Dazzle Mobile Phone; Type: C102**

**Date: Jul.01, 2013**

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=5.46;  
Frequency: 836.6 MHz; Medium parameters used:  $f = 850$  MHz;  $\sigma = 0.98$  mho/m;  $\epsilon_r = 54.02$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

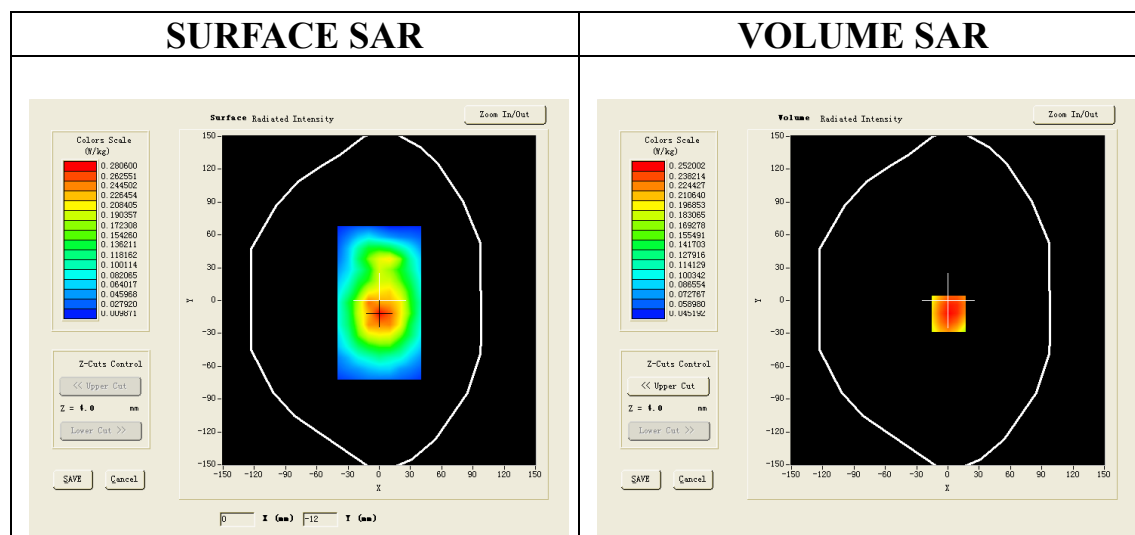
Satimo Configuration:

Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4\_02\_01

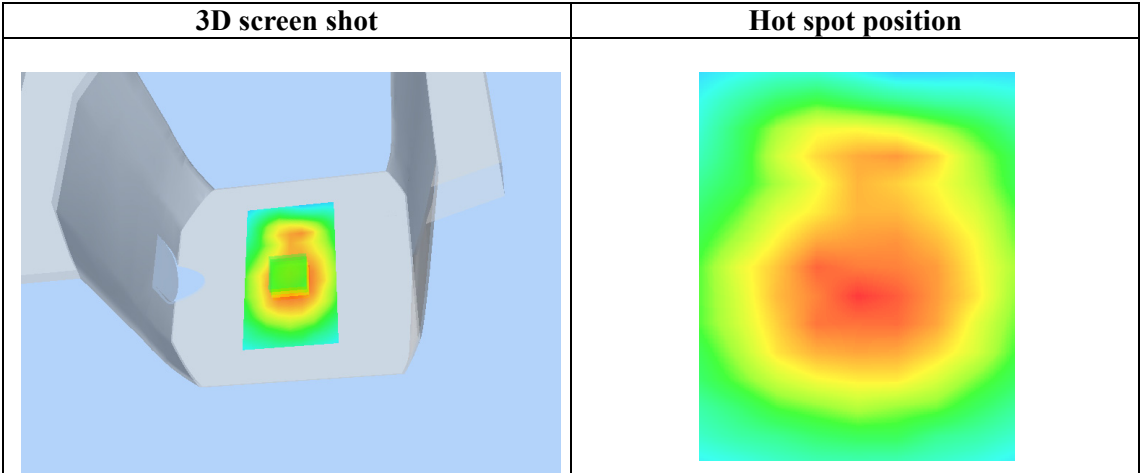
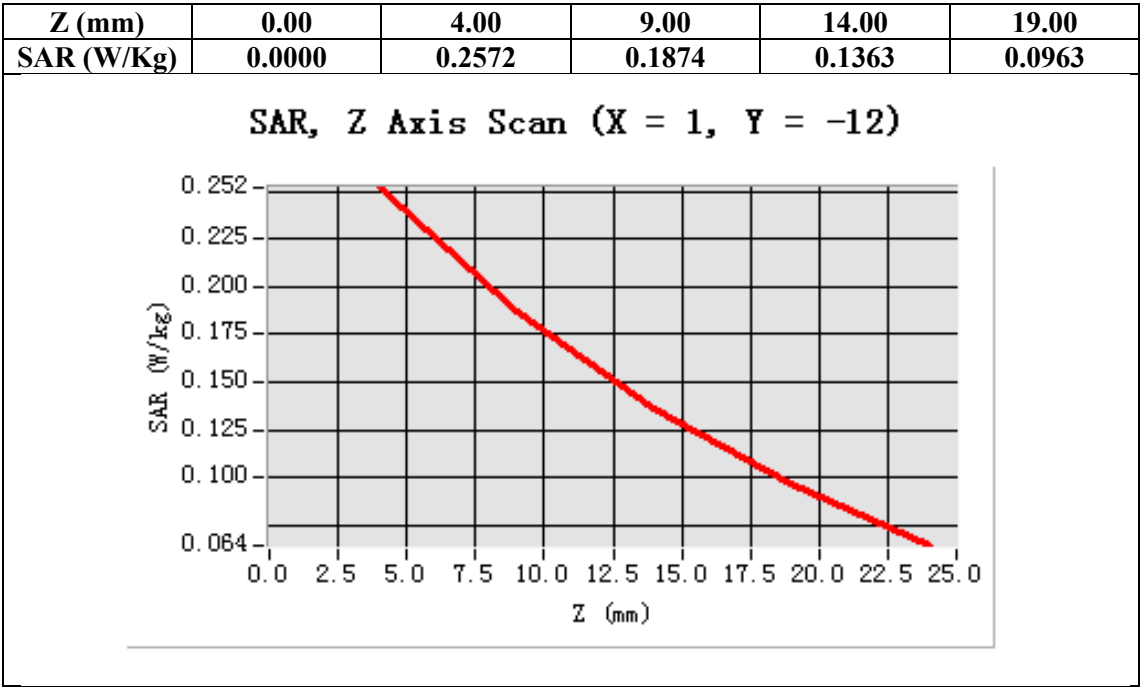
**Configuration/GSM 850 Mid-Body-Back/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm  
**Configuration/GSM 850 Mid-Body-Back/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm;

|                        |                                      |
|------------------------|--------------------------------------|
| <b>Area Scan</b>       | surf_sam_plan.txt                    |
| <b>ZoomScan</b>        | 5x5x7,dx=8mm dy=8mm dz=5mm,Very fast |
| <b>Phantom</b>         | Validation plane                     |
| <b>Device Position</b> | Body Back                            |
| <b>Band</b>            | GSM 850                              |
| <b>Channels</b>        | Middle                               |
| <b>Signal</b>          | TDMA (Crest factor: 8.0)             |



**Maximum location: X=1.00, Y=-12.00**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.187396 |
| <b>SAR 1g (W/Kg)</b>  | 0.263875 |



Test Laboratory: AGC Lab  
GPRS 850 Mid- Body - Back (2up) <SIM 1>  
**DUT: Dazzle Mobile Phone; Type: C102**

**Date: Jul.01, 2013**

Communication System: GPRS -2 Slot; Communication System Band: GSM850; Duty Cycle: 1:4.2; Conv.F=5.46;  
Frequency: 836.6 MHz; Medium parameters used:  $f = 850$  MHz;  $\sigma = 0.98$  mho/m;  $\epsilon_r = 54.02$ ;  $\rho = 1000\text{kg/m}^3$  ;  
Phantom section: Flat Section  
Ambient temperature ( $^{\circ}\text{C}$ ): 21.0, Liquid temperature ( $^{\circ}\text{C}$ ): 21.0

Satimo Configuration:

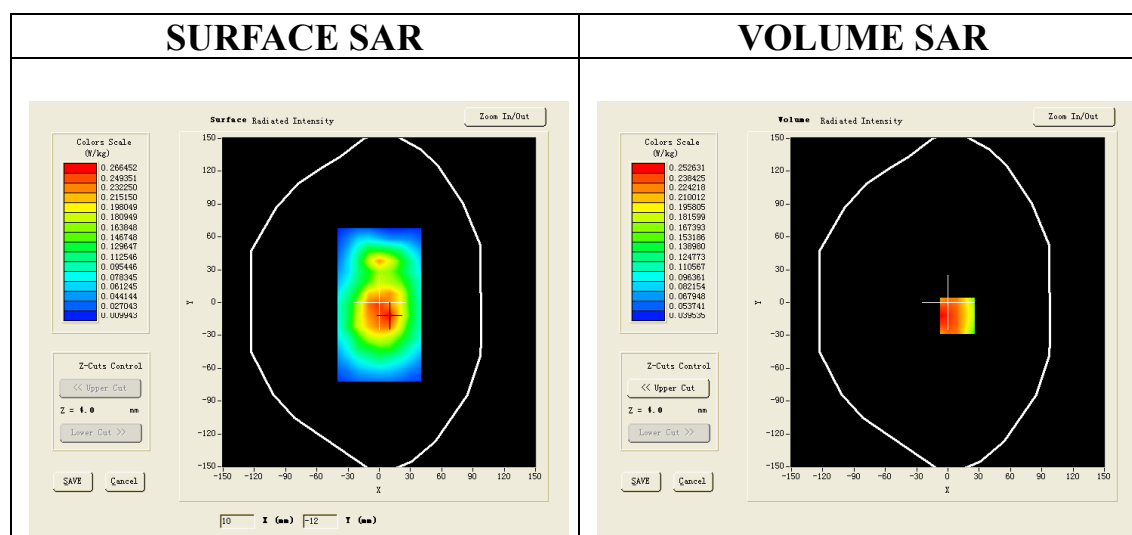
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/GPRS 850 Mid-Body-Back/Area Scan (6x8x1):** Measurement grid:  $dx=20\text{mm}$ ,  $dy=20\text{mm}$

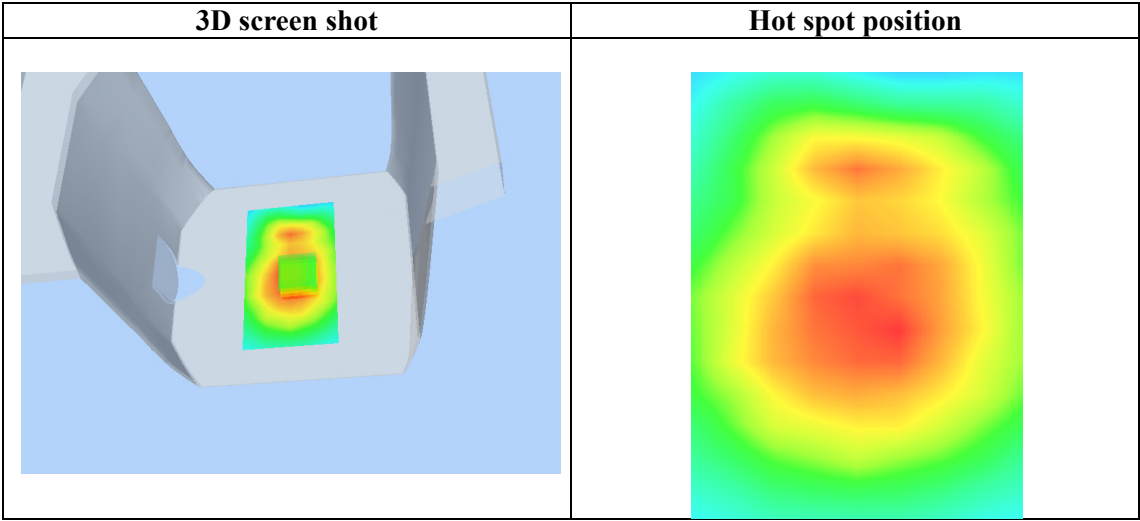
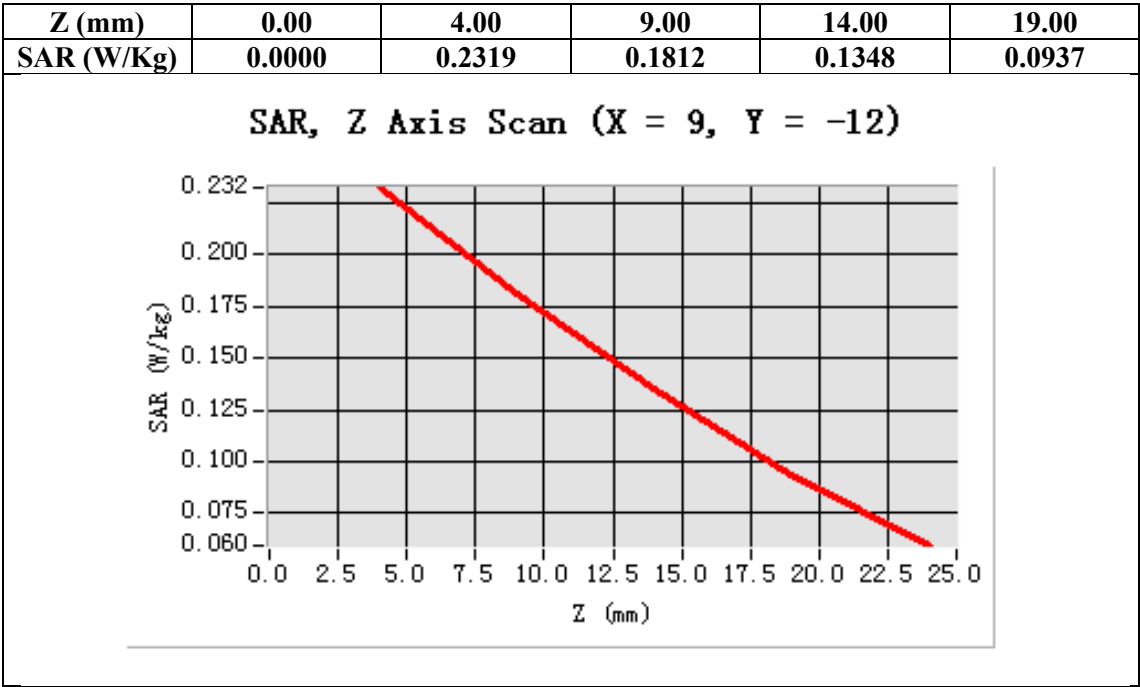
**Configuration/GPRS 850 Mid-Body-Back/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ ;

|                        |                                      |
|------------------------|--------------------------------------|
| <b>Area Scan</b>       | surf_sam_plan.txt                    |
| <b>ZoomScan</b>        | 5x5x7,dx=8mm dy=8mm dz=5mm,Very fast |
| <b>Phantom</b>         | Validation plane                     |
| <b>Device Position</b> | Body Back                            |
| <b>Band</b>            | GSM 850                              |
| <b>Channels</b>        | Middle                               |
| <b>Signal</b>          | TDMA (Crest factor: 4.0)             |



**Maximum location: X=9.00, Y=-12.00**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.187359 |
| <b>SAR 1g (W/Kg)</b>  | 0.255892 |



Test Laboratory: AGC Lab  
GPRS 850 Mid-Body-back (3up) <SIM 1>  
**DUT: Dazzle Mobile Phone; Type: C102**

**Date: Jul.01, 2013**

Communication System: GPRS -3 Slot; Communication System Band: GSM 850; Duty Cycle: 1:2.8; Conv.F=5.46;  
Frequency: 836.6 MHz; Medium parameters used:  $f = 850$  MHz;  $\sigma = 0.98$  mho/m;  $\epsilon_r = 54.02$ ;  $\rho = 1000\text{kg/m}^3$  ;  
Phantom section: Flat Section  
Ambient temperature ( $^{\circ}\text{C}$ ): 21.0, Liquid temperature ( $^{\circ}\text{C}$ ): 21.0

**Satimo Configuration:**

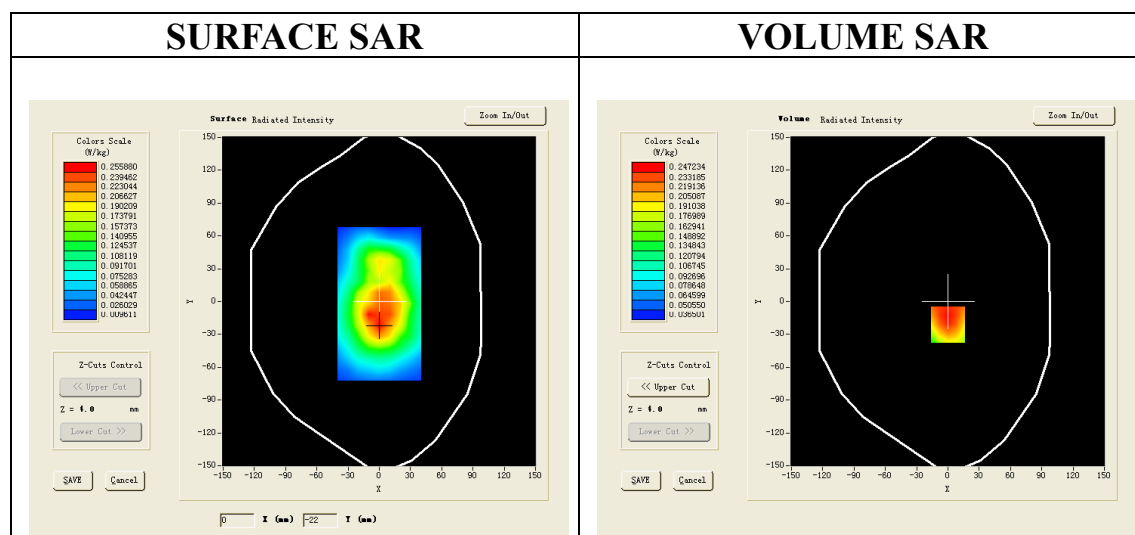
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/GPRS 850 Mid-Body-Back/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

**Configuration/GPRS 850 Mid-Body-Back/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm;

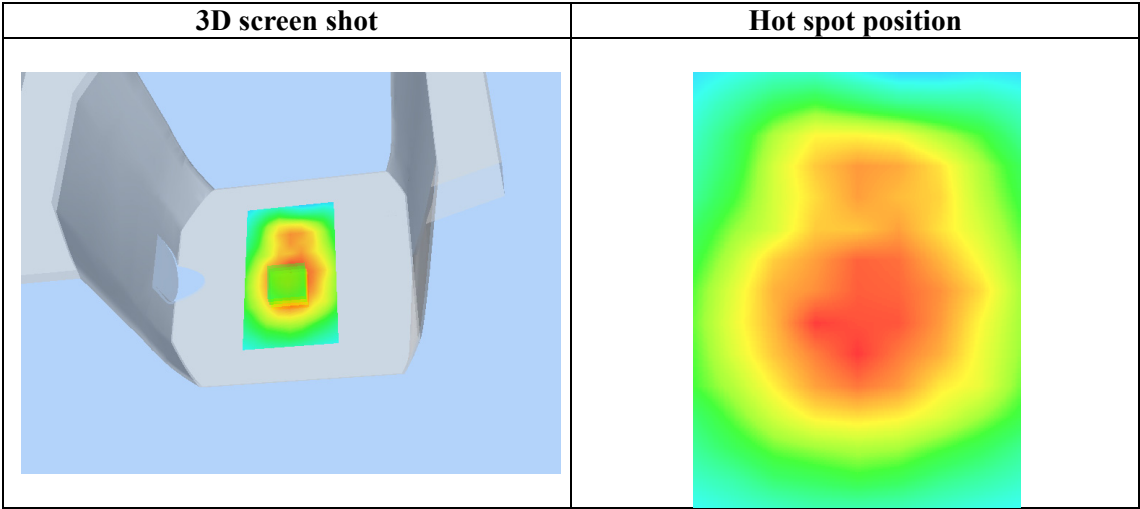
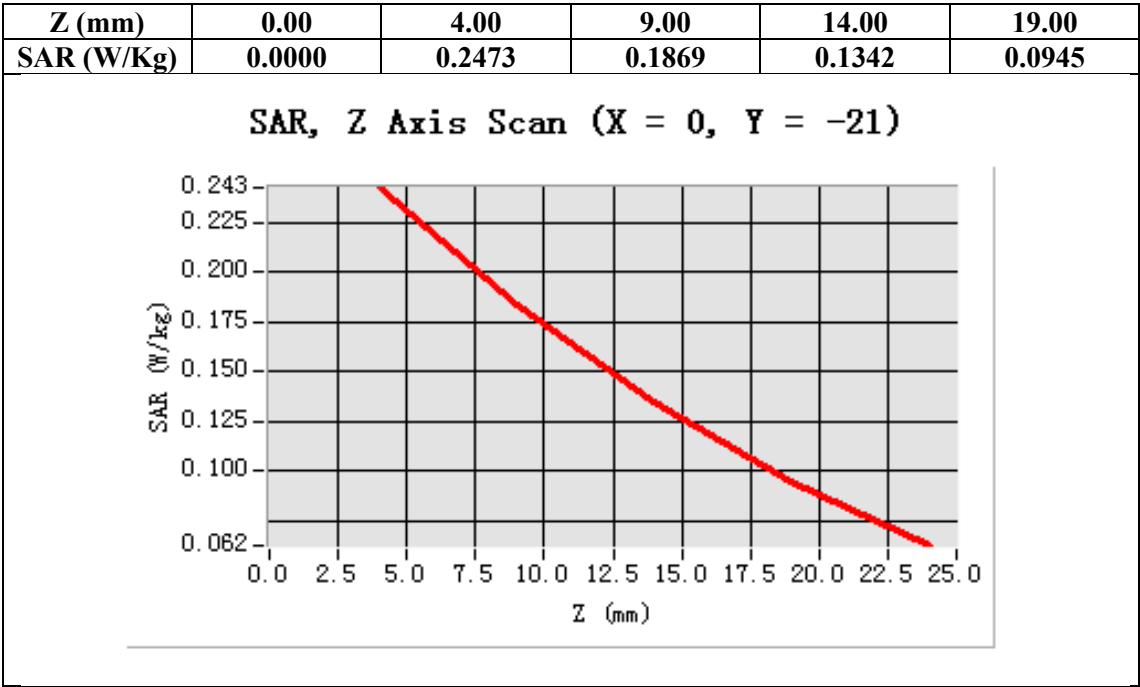
|                        |                                      |
|------------------------|--------------------------------------|
| <b>Area Scan</b>       | surf_sam_plan.txt                    |
| <b>ZoomScan</b>        | 5x5x7,dx=8mm dy=8mm dz=5mm,Very fast |
| <b>Phantom</b>         | Validation plane                     |
| <b>Device Position</b> | Body Back                            |
| <b>Band</b>            | GSM 850                              |
| <b>Channels</b>        | Middle                               |
| <b>Signal</b>          | TDMA (Crest factor:2.7)              |



**Maximum location: X=0.00, Y=-21.00**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.180119 |
| <b>SAR 1g (W/Kg)</b>  | 0.255890 |





Test Laboratory: AGC Lab  
GPRS 850 Mid- Body-Back (4up) <SIM 1>  
**DUT: Dazzle Mobile Phone; Type: C102**

**Date: Jul.01, 2013**

Communication System: GPRS -4 Slot; Communication System Band: GSM 850; Duty Cycle: 1:2.1; Conv.F=5.46  
;Frequency: 836.6 MHz; Medium parameters used:  $f = 850$  MHz;  $\sigma = 0.98$  mho/m;  $\epsilon_r = 54.02$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

Satimo Configuration:

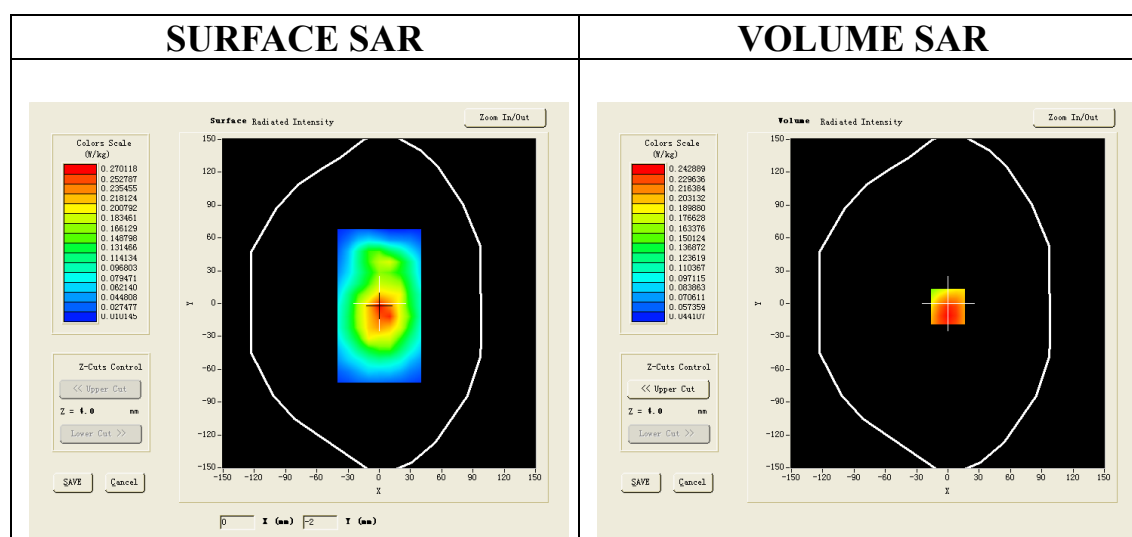
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/GPRS 850 Mid-Body-Back/Area Scan:** Measurement grid: dx=20mm, dy=20mm

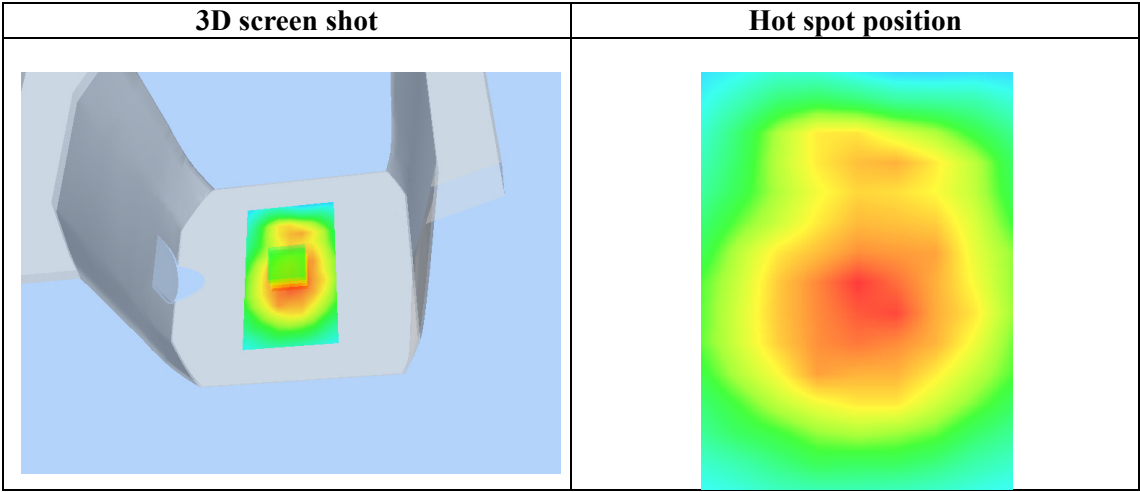
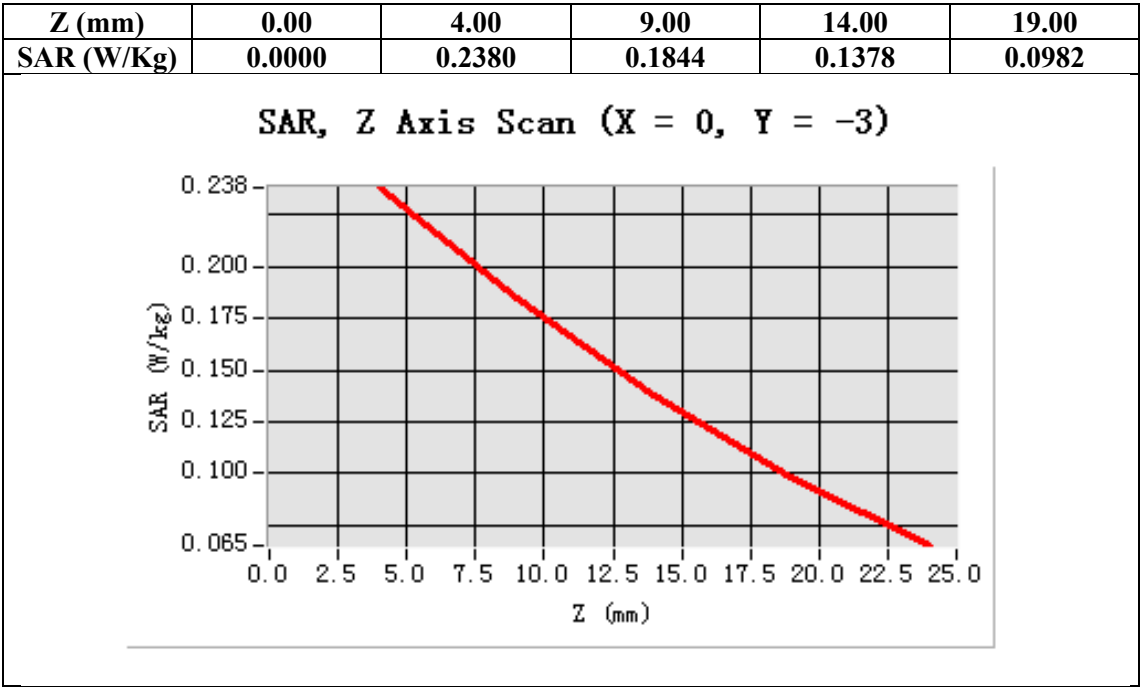
**Configuration/GPRS 850 Mid-Body-Back/Zoom Scan:** Measurement grid: dx=8mm, dy=8mm, dz=5mm;

|                        |                                      |
|------------------------|--------------------------------------|
| <b>Area Scan</b>       | surf_sam_plan.txt                    |
| <b>ZoomScan</b>        | 5x5x7,dx=8mm dy=8mm dz=5mm,Very fast |
| <b>Phantom</b>         | Validation plane                     |
| <b>Device Position</b> | Body Back                            |
| <b>Band</b>            | GSM 850                              |
| <b>Channels</b>        | Middle                               |
| <b>Signal</b>          | TDMA (Crest factor: 2.0)             |



**Maximum location: X=0.00, Y=-3.00**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.184907 |
| <b>SAR 1g (W/Kg)</b>  | 0.258347 |



Test Laboratory: AGC Lab  
GSM 850 Mid- Body- Front (MS) <SIM 1>  
**DUT: Dazzle Mobile Phone; Type: C102**

**Date: Jul.01, 2013**

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=5.46;  
Frequency: 836.6 MHz; Medium parameters used:  $f = 850$  MHz;  $\sigma = 0.98$  mho/m;  $\epsilon_r = 54.02$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

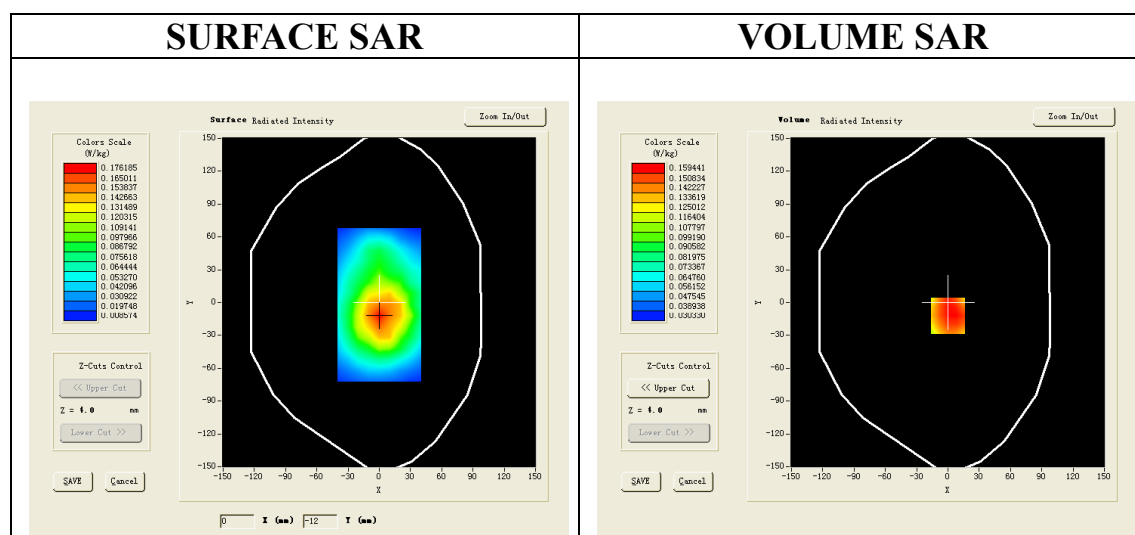
Satimo Configuration:

Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4\_02\_01

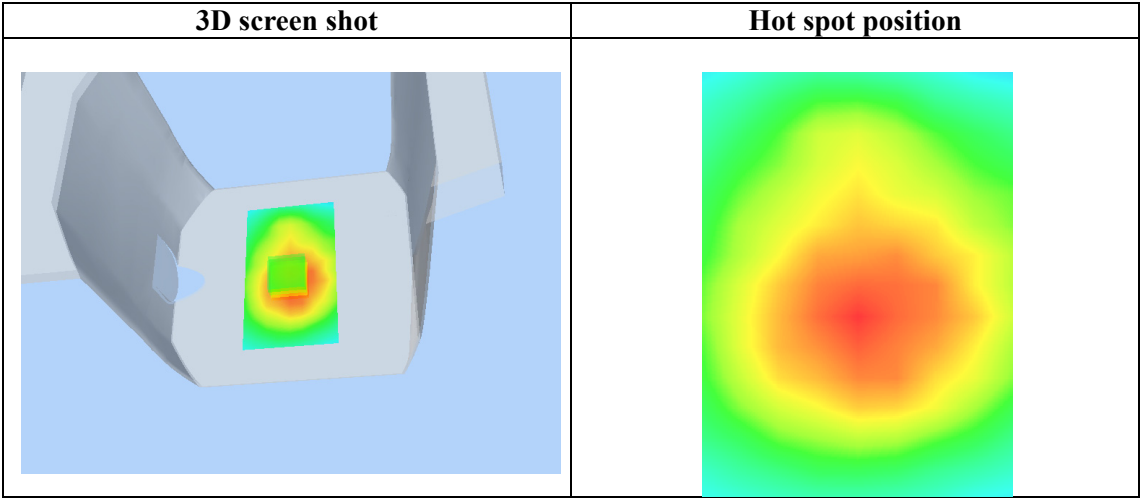
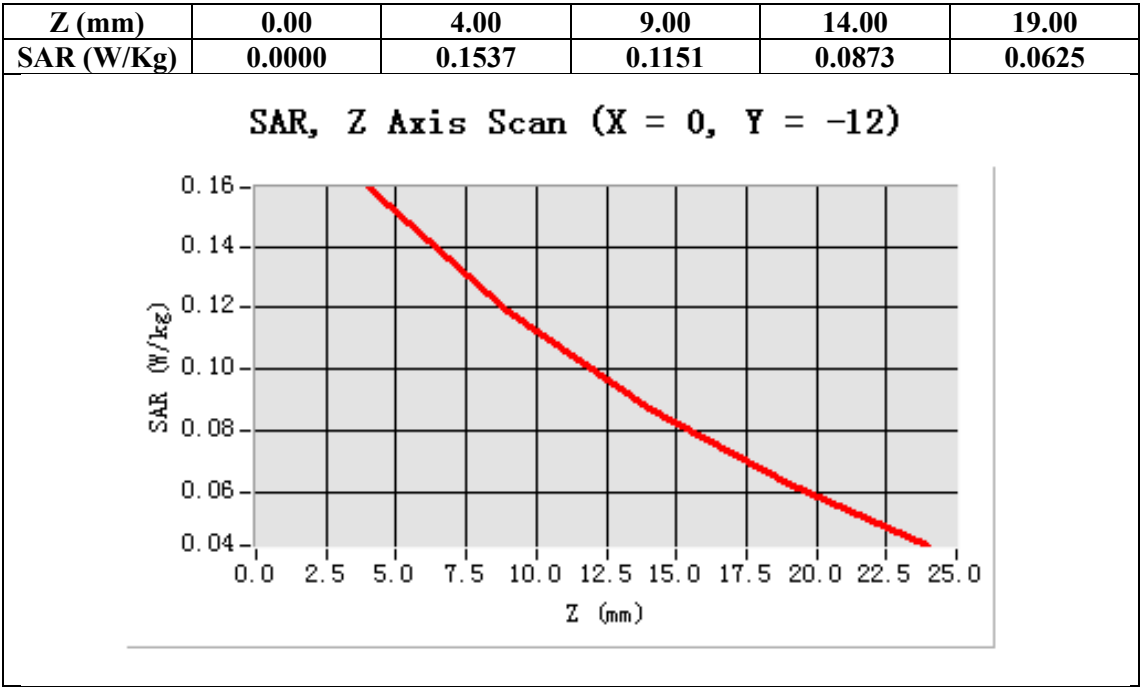
**Configuration/GSM 850 Mid-Body- Front /Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm  
**Configuration/GSM 850 Mid-Body- Front Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm;

|                        |                                      |
|------------------------|--------------------------------------|
| <b>Area Scan</b>       | surf_sam_plan.txt                    |
| <b>ZoomScan</b>        | 5x5x7,dx=8mm dy=8mm dz=5mm,Very fast |
| <b>Phantom</b>         | Validation plane                     |
| <b>Device Position</b> | Body Front                           |
| <b>Band</b>            | GSM 850                              |
| <b>Channels</b>        | Middle                               |
| <b>Signal</b>          | TDMA (Crest factor: 8.0)             |



**Maximum location: X=0.00, Y=-12.00**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.116279 |
| <b>SAR 1g (W/Kg)</b>  | 0.163852 |



Test Laboratory: AGC Lab  
GSM 850 Mid- Body- Back (MS) –with earphone <SIM 1>  
**DUT: Dazzle Mobile Phone; Type: C102**

**Date: Jul.01, 2013**

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=5.46;  
Frequency: 836.6 MHz; Medium parameters used:  $f = 850$  MHz;  $\sigma = 0.98$  mho/m;  $\epsilon_r = 54.02$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

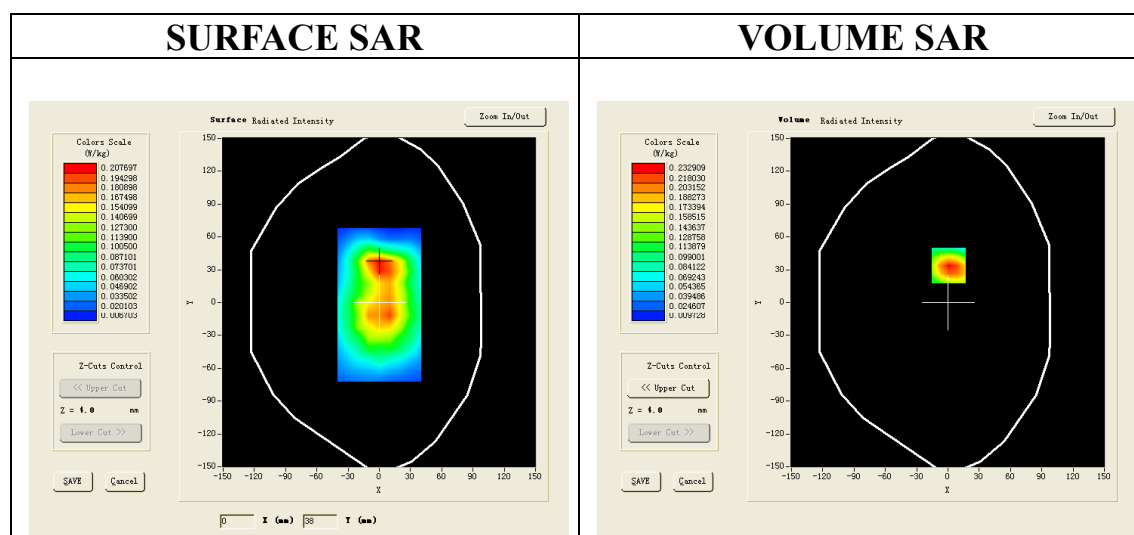
Satimo Configuration:

Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4\_02\_01

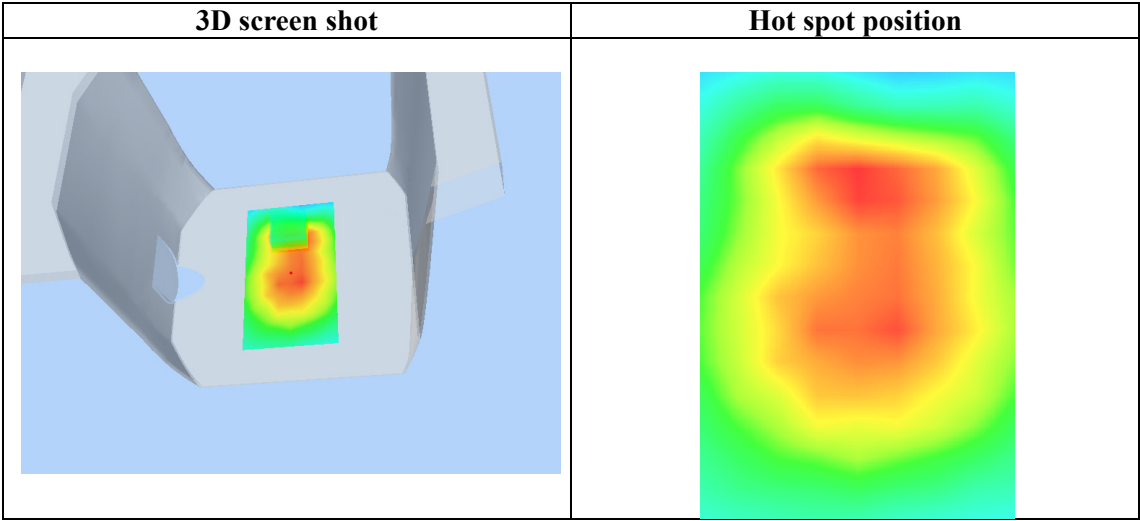
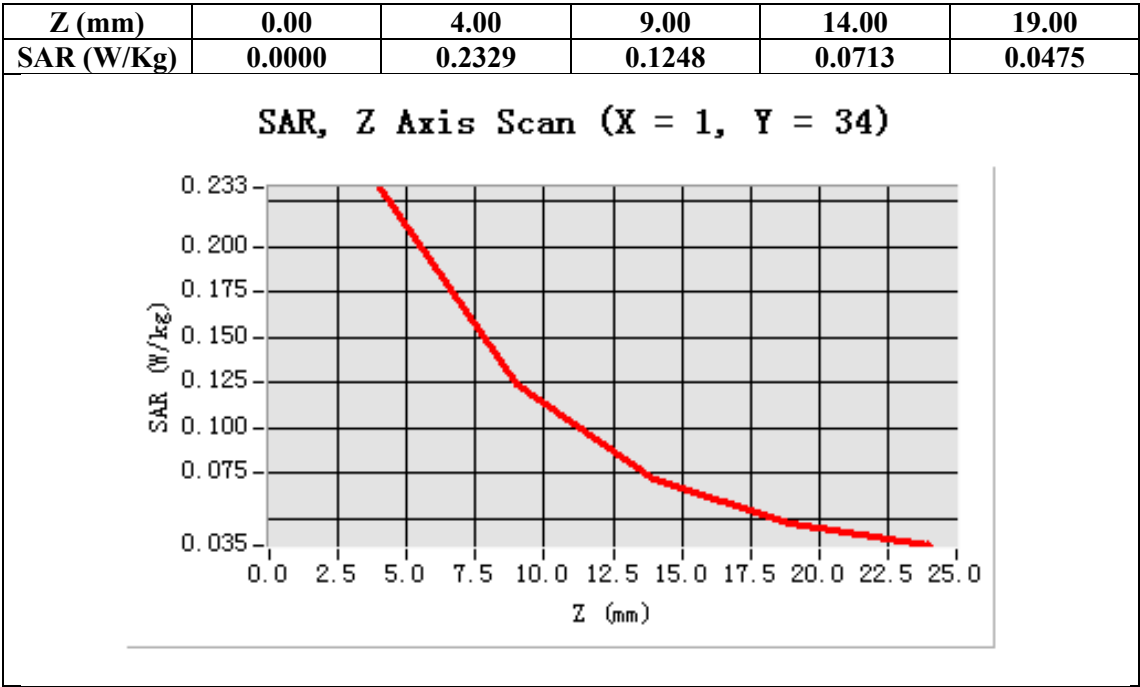
**Configuration/GSM 850 Mid-Body-Back/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm  
**Configuration/GSM 850 Mid-Body-Back/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm;

|                        |                                      |
|------------------------|--------------------------------------|
| <b>Area Scan</b>       | surf_sam_plan.txt                    |
| <b>ZoomScan</b>        | 5x5x7,dx=8mm dy=8mm dz=5mm,Very fast |
| <b>Phantom</b>         | Validation plane                     |
| <b>Device Position</b> | Body Back                            |
| <b>Band</b>            | GSM 850                              |
| <b>Channels</b>        | Middle                               |
| <b>Signal</b>          | TDMA (Crest factor: 8.0)             |



**Maximum location: X=1.00, Y=34.00**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.132820 |
| <b>SAR 1g (W/Kg)</b>  | 0.240169 |



Test Laboratory: AGC Lab  
PCS 1900 Mid-Touch- Left <SIM 1>  
**DUT: Dazzle Mobile Phone; Type: C102**

**Date: Jul.01, 2013**

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=4.72;  
Frequency: 1880 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.40$  mho/m;  $\epsilon_r = 41.95$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Left Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

Satimo Configuration:

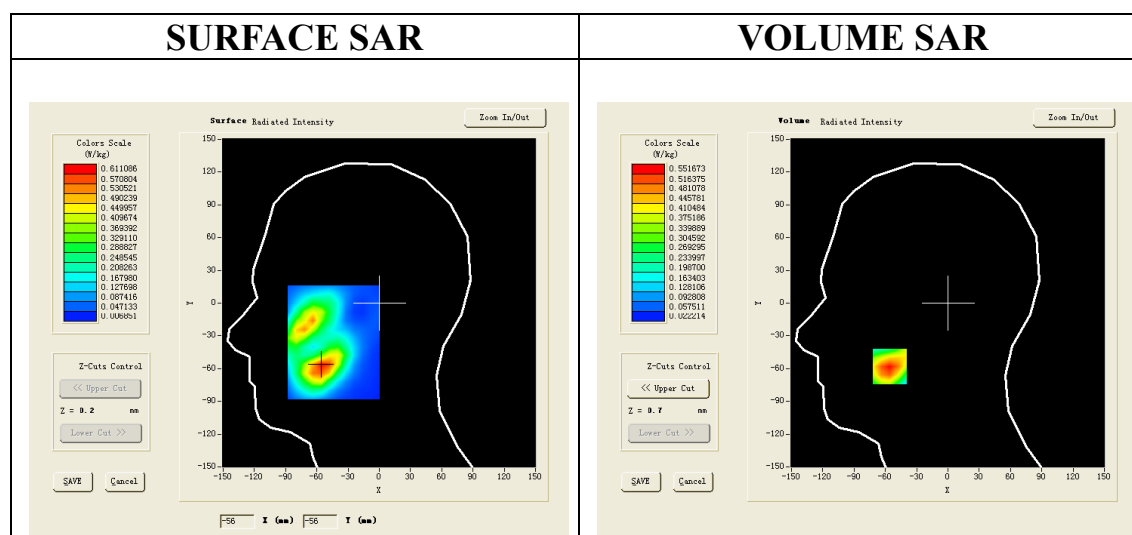
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/PCS1900 Mid-Touch-Left/Area Scan: Measurement grid: dx=20mm, dy=20mm**

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

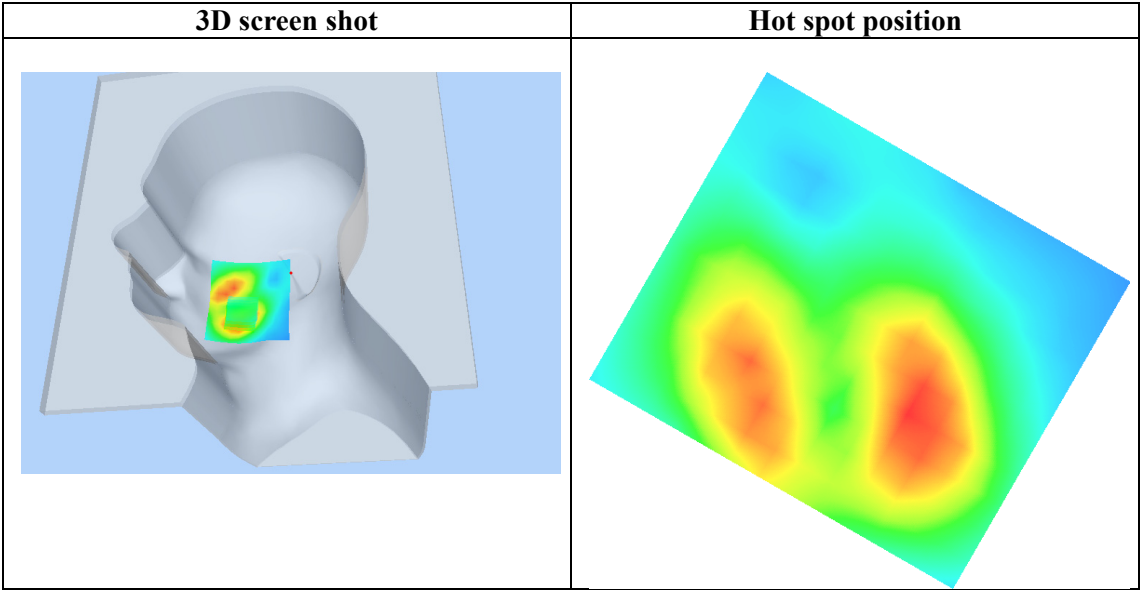
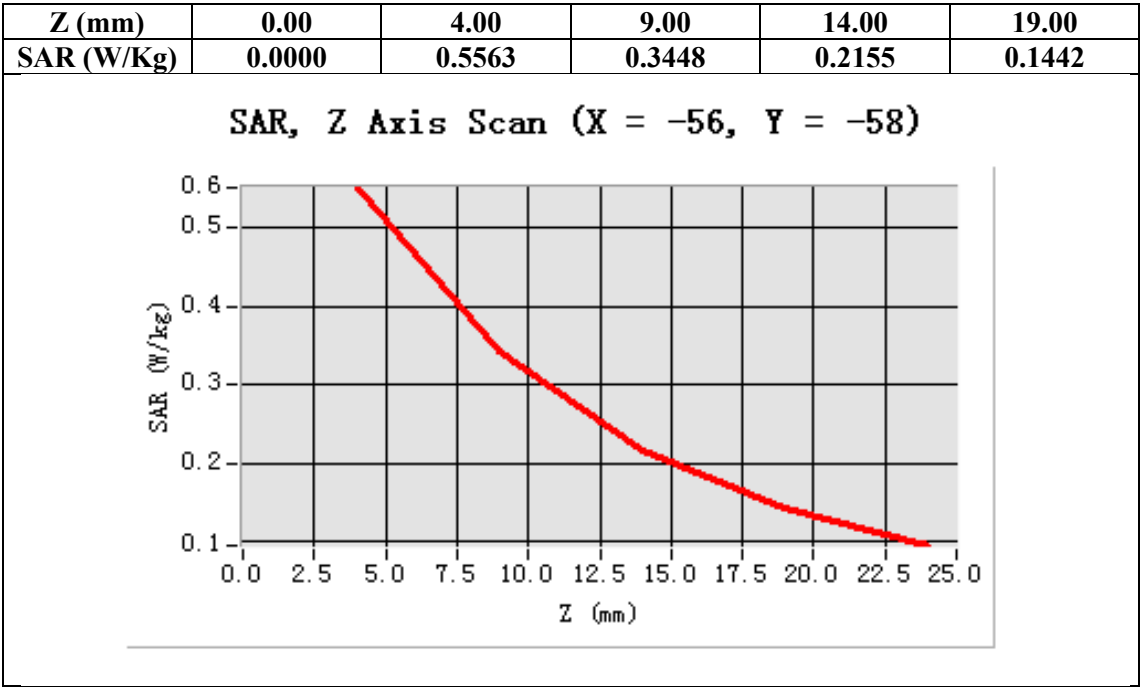
|                        |                                      |
|------------------------|--------------------------------------|
| <b>Area Scan</b>       | sam_direct_droit2_surf8mm.txt        |
| <b>ZoomScan</b>        | 5x5x7,dx=8mm dy=8mm dz=5mm,Very fast |
| <b>Phantom</b>         | Left head                            |
| <b>Device Position</b> | Cheek                                |
| <b>Band</b>            | PCS 1900                             |
| <b>Channels</b>        | Middle                               |
| <b>Signal</b>          | TDMA (Crest factor: 8.0)             |



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

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.303096 |
| <b>SAR 1g (W/Kg)</b>  | 0.527248 |





Test Laboratory: AGC Lab  
PCS 1900 Mid-Tilt-Left <SIM 1>  
**DUT: Dazzle Mobile Phone; Type: C102**

**Date: Jul.01, 2013**

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=4.72;  
Frequency: 1880 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.40$  mho/m;  $\epsilon_r = 41.95$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Left Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

Satimo Configuration:

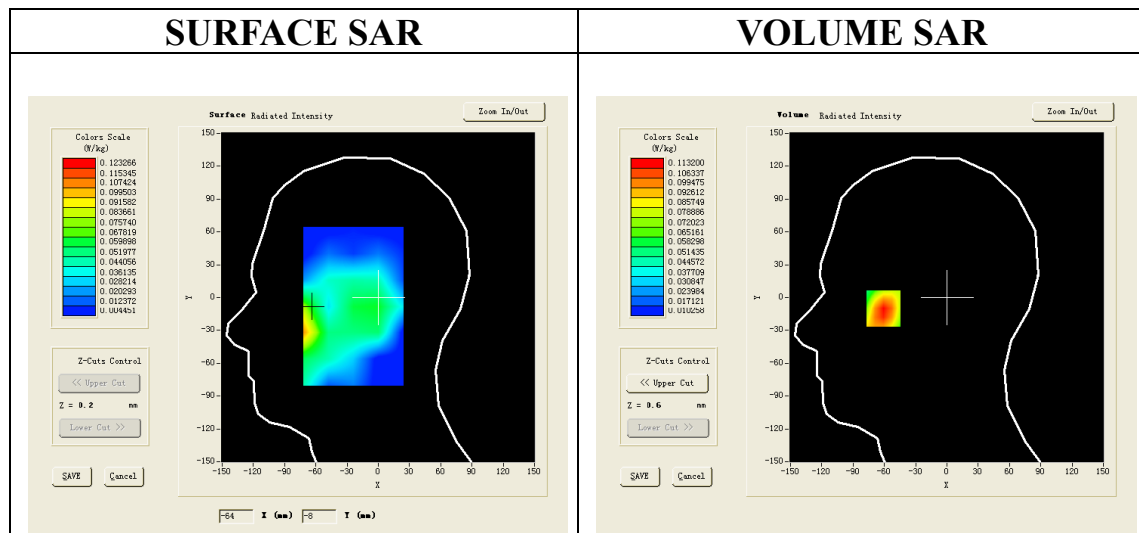
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/PCS1900 Mid-Tilt-Left/Area Scan: Measurement grid: dx=20mm, dy=20mm**

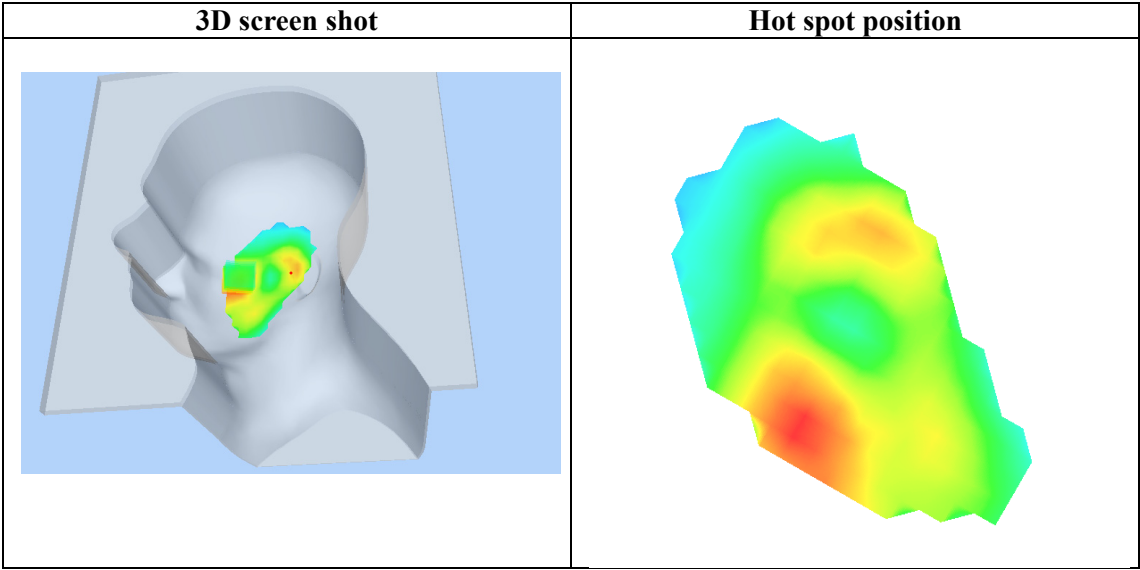
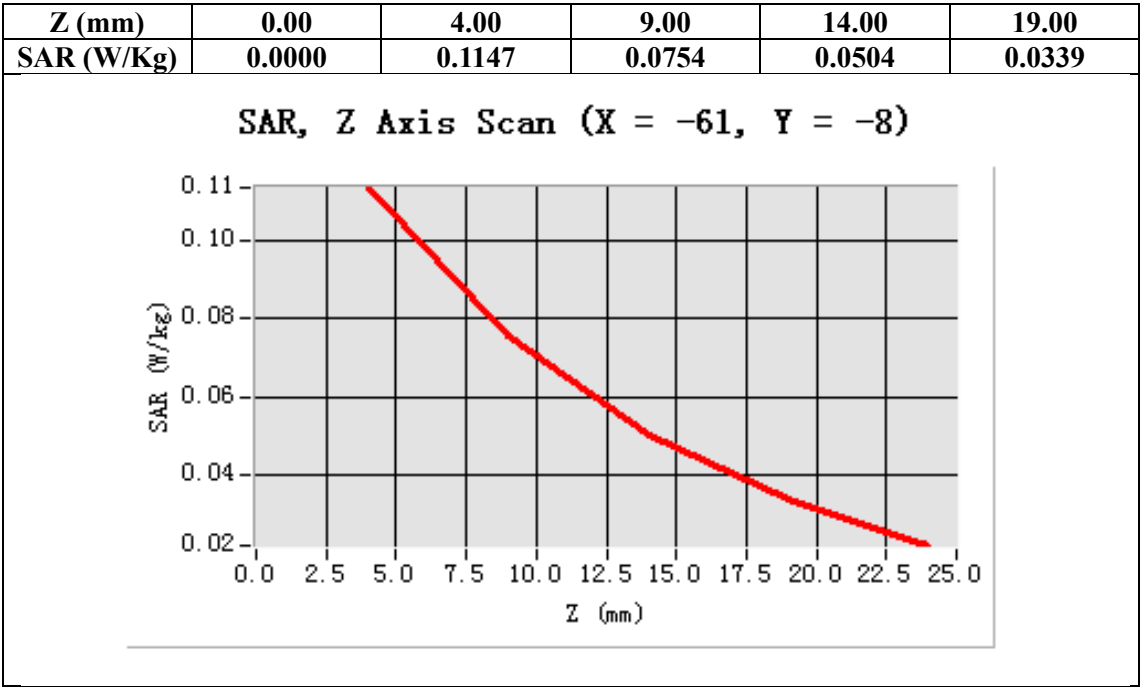
**Configuration/PCS1900 Mid-Tilt-Left/Zoom Scan: Measurement grid: dx=8mm, dy=8mm,dz=5mm;**

|                        |                                      |
|------------------------|--------------------------------------|
| <b>Area Scan</b>       | sam_direct_droit2_surf8mm.txt        |
| <b>ZoomScan</b>        | 5x5x7,dx=8mm dy=8mm dz=5mm,Very fast |
| <b>Phantom</b>         | Left head                            |
| <b>Device Position</b> | Tilt                                 |
| <b>Band</b>            | PCS 1900                             |
| <b>Channels</b>        | Middle                               |
| <b>Signal</b>          | TDMA (Crest factor: 8.0)             |



**Maximum location: X=-61.00, Y=-8.00**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.060368 |
| <b>SAR 1g (W/Kg)</b>  | 0.106294 |



Test Laboratory: AGC Lab  
PCS 1900 Mid-Touch-Right <SIM 1>  
**DUT: Dazzle Mobile Phone; Type: C102**

**Date: Jul.01, 2013**

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=4.72;  
Frequency: 1880 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.40$  mho/m;  $\epsilon_r = 41.95$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Right Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

Satimo Configuration:

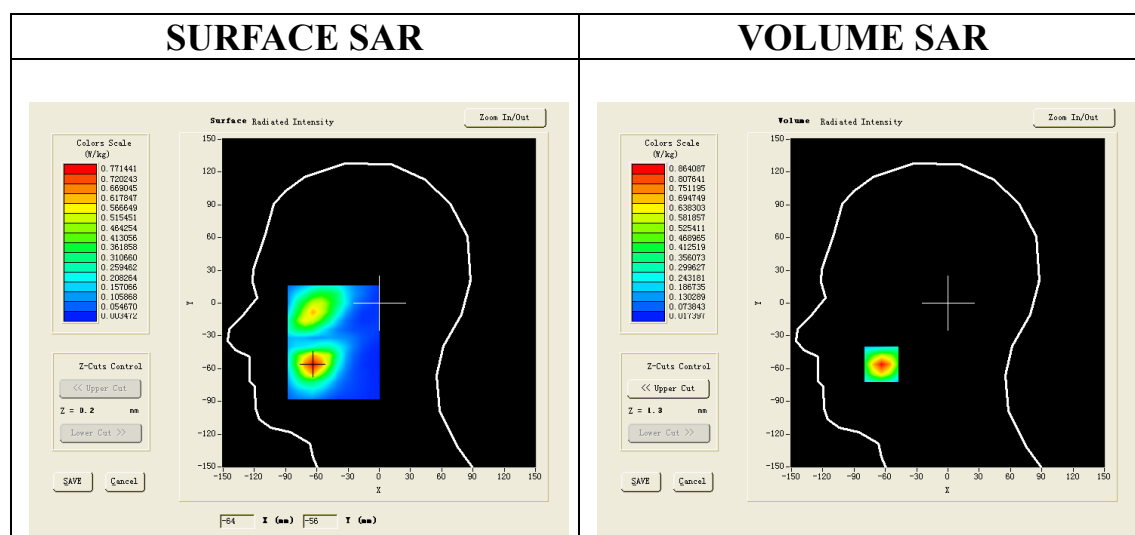
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/PCS1900 Mid-Touch-Right/Area Scan:** Measurement grid: dx=20mm, dy=20mm

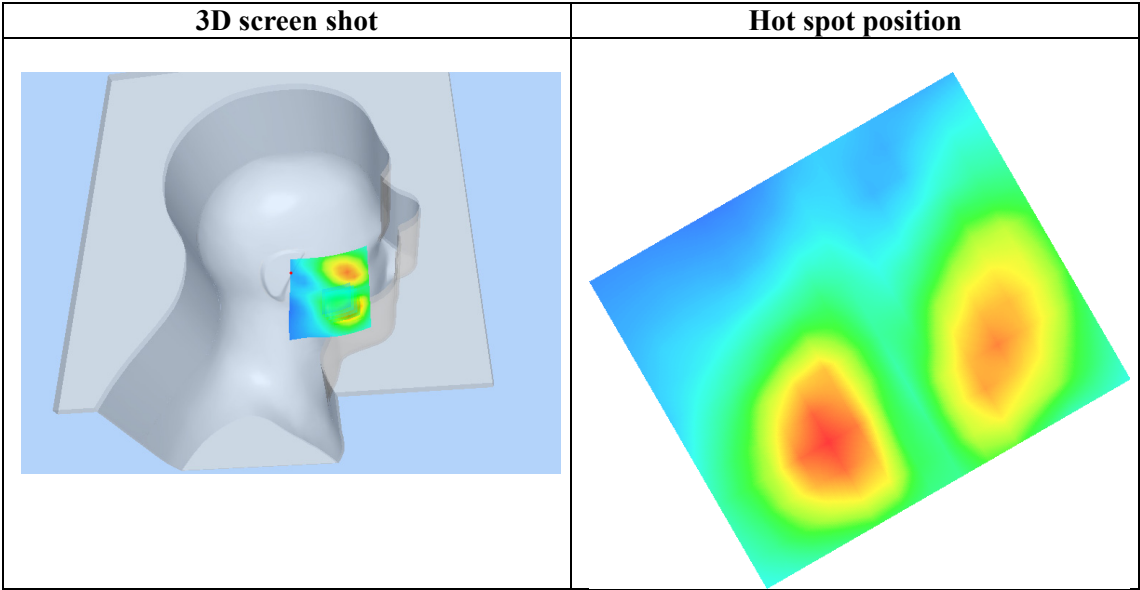
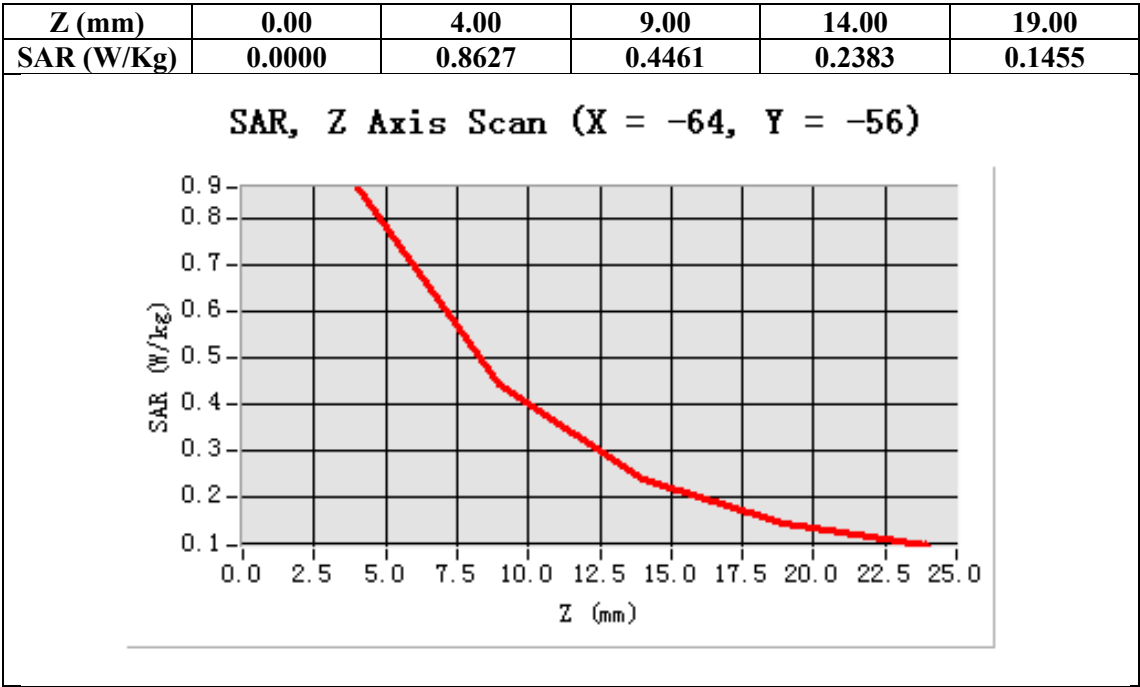
**Configuration/PCS1900 Mid-Touch-Right/Zoom Scan:** Measurement grid: dx=8mm, dy=8mm, dz=5mm;

|                        |                                      |
|------------------------|--------------------------------------|
| <b>Area Scan</b>       | sam_direct_droit2_surf8mm.txt        |
| <b>ZoomScan</b>        | 5x5x7,dx=8mm dy=8mm dz=5mm,Very fast |
| <b>Phantom</b>         | Right head                           |
| <b>Device Position</b> | Cheek                                |
| <b>Band</b>            | PCS 1900                             |
| <b>Channels</b>        | Middle                               |
| <b>Signal</b>          | TDMA (Crest factor: 8.0)             |



**Maximum location: X=-64.00, Y=-56.00**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.396294 |
| <b>SAR 1g (W/Kg)</b>  | 0.793086 |



Test Laboratory: AGC Lab  
PCS 1900 Mid-Tilt-Right <SIM 1>  
**DUT: Dazzle Mobile Phone; Type: C102**

**Date: Jul.01, 2013**

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=4.72;  
Frequency: 1880 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.40$  mho/m;  $\epsilon_r = 41.95$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Right Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

Satimo Configuration:

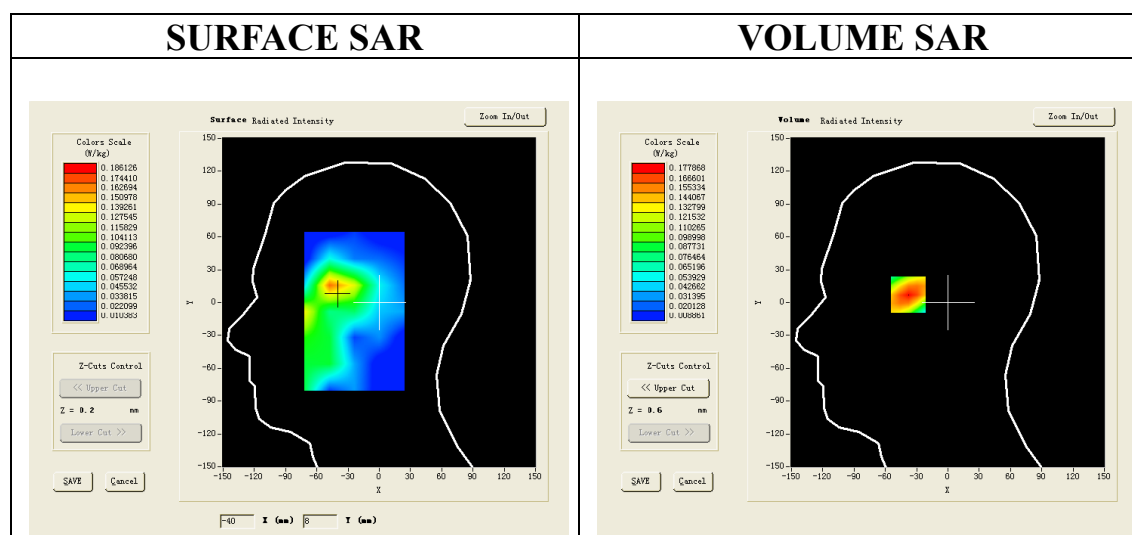
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/PCS1900 Mid-Tilt-Right/Area Scan:** Measurement grid: dx=20mm, dy=20mm

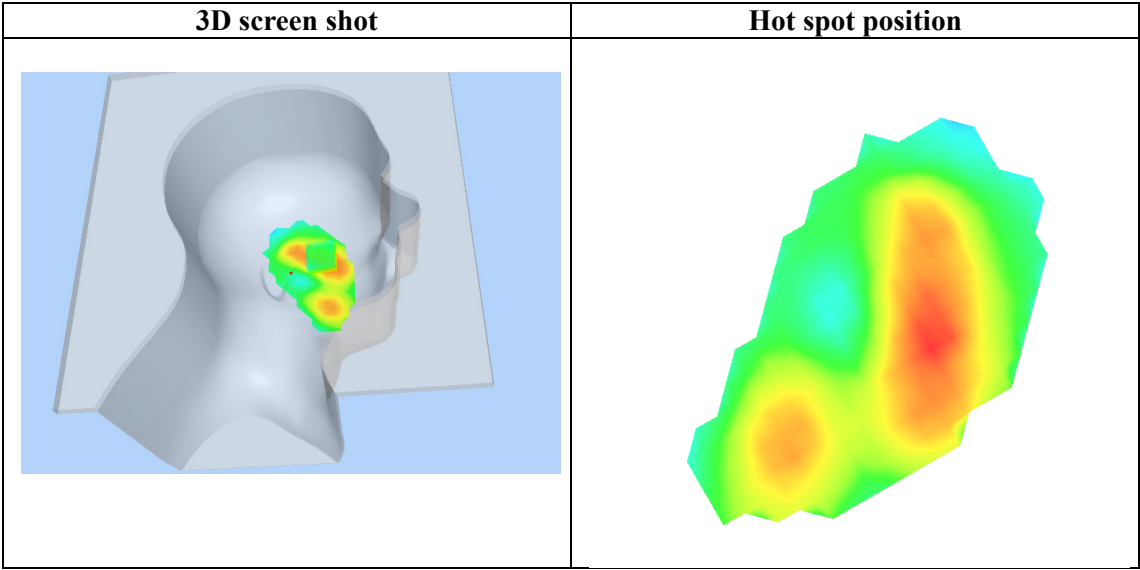
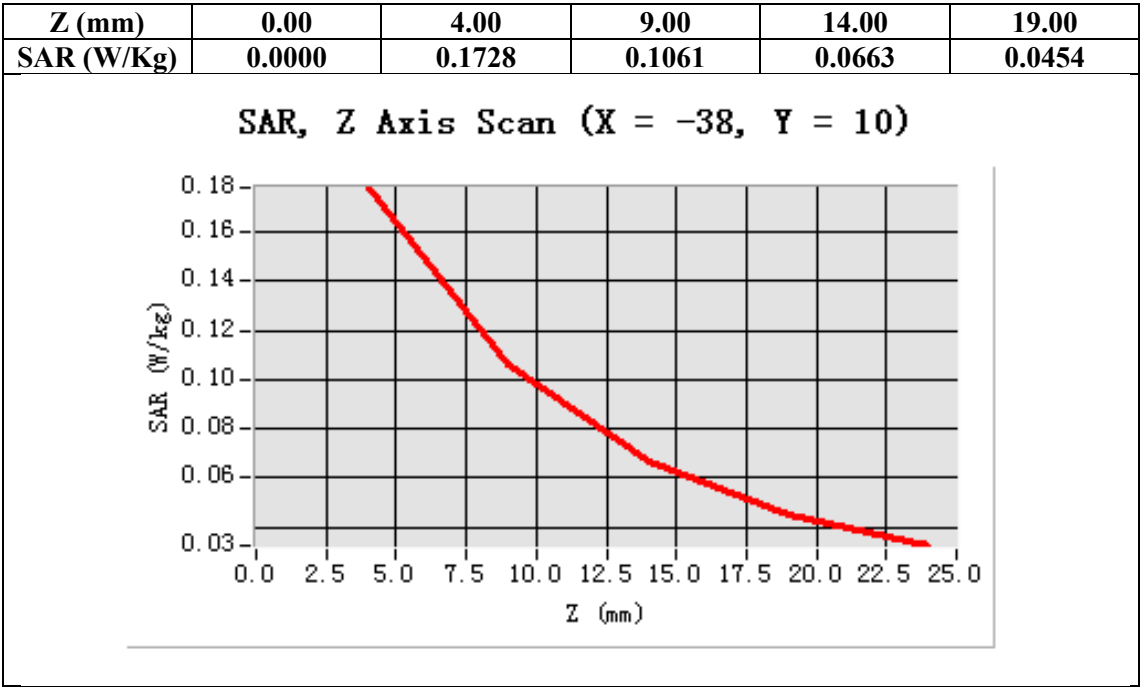
**Configuration/PCS1900 Mid-Tilt-Right/Zoom Scan:** Measurement grid: dx=8mm, dy=8mm, dz=5mm;

|                        |                                      |
|------------------------|--------------------------------------|
| <b>Area Scan</b>       | sam_direct_droit2_surf8mm.txt        |
| <b>ZoomScan</b>        | 5x5x7,dx=8mm dy=8mm dz=5mm,Very fast |
| <b>Phantom</b>         | Right head                           |
| <b>Device Position</b> | Tilt                                 |
| <b>Band</b>            | PCS 1900                             |
| <b>Channels</b>        | Middle                               |
| <b>Signal</b>          | TDMA (Crest factor: 8.0)             |



**Maximum location: X=-38.00, Y=10.00**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.107341 |
| <b>SAR 1g (W/Kg)</b>  | 0.165593 |



Test Laboratory: AGC Lab  
PCS 1900 Mid-Touch-Right <SIM 2>  
**DUT: Dazzle Mobile Phone; Type: C102**

**Date: Jul.01, 2013**

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=4.72;  
Frequency: 1880 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.40$  mho/m;  $\epsilon_r = 41.95$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Right Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

Satimo Configuration:

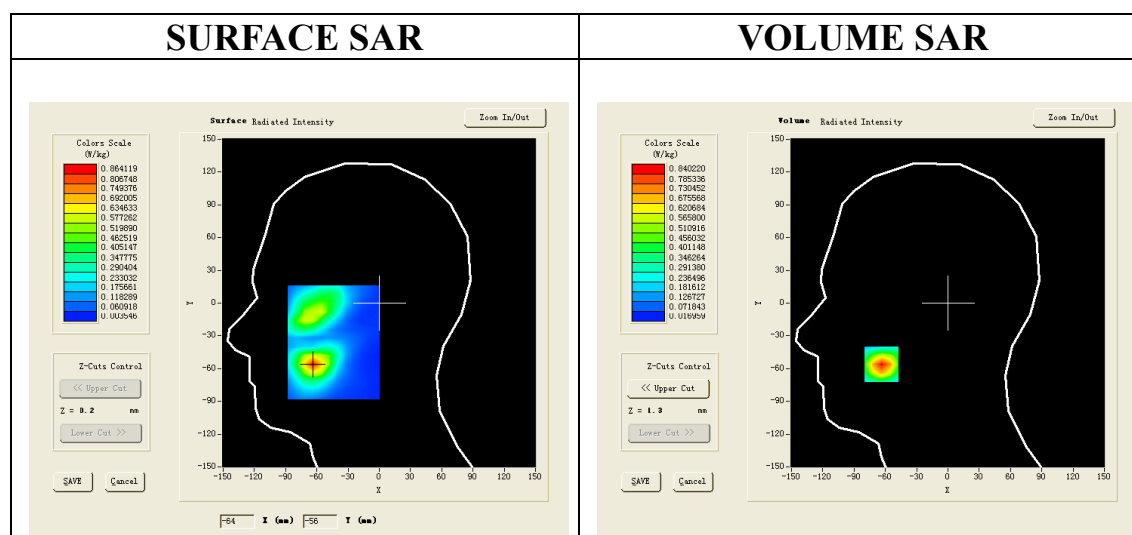
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/PCS1900 Mid-Touch-Right/Area Scan: Measurement grid: dx=20mm, dy=20mm**

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

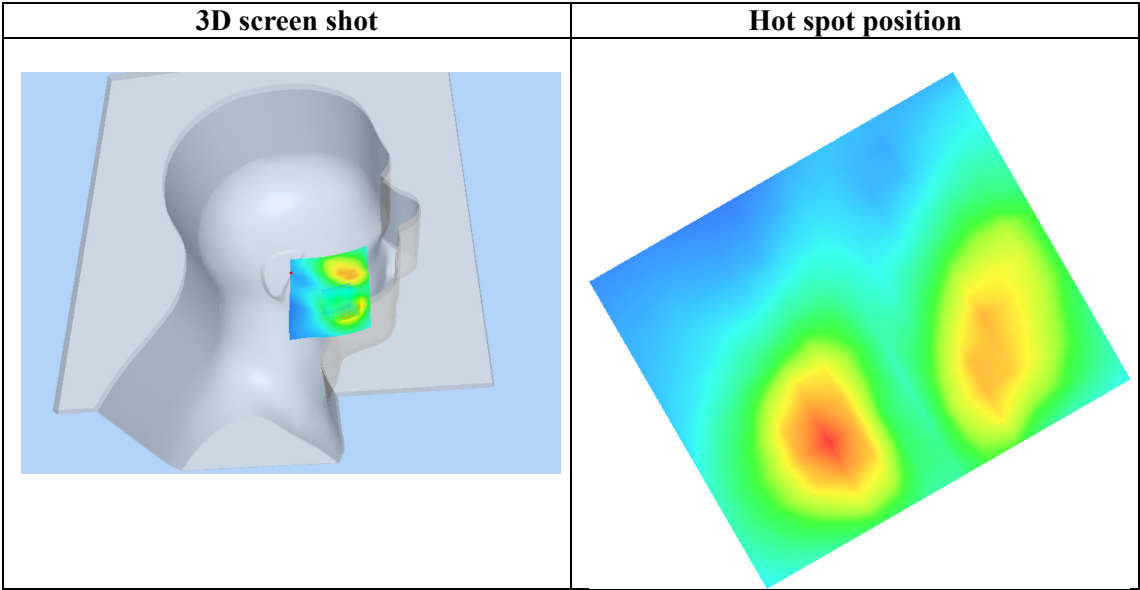
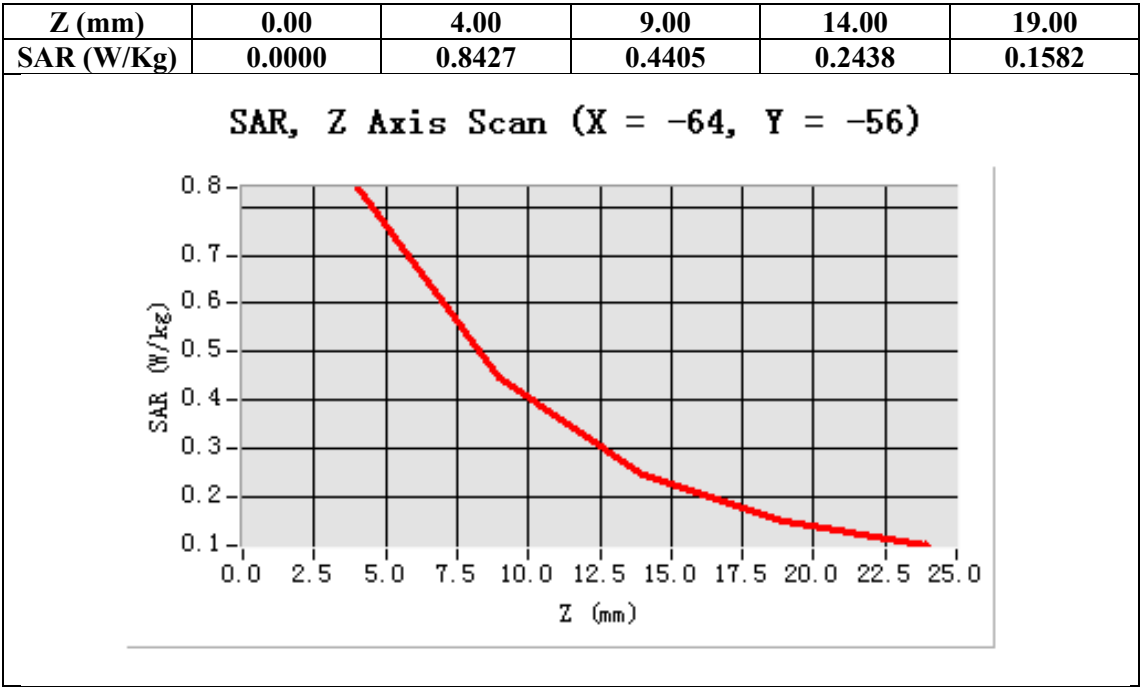
|                        |                                      |
|------------------------|--------------------------------------|
| <b>Area Scan</b>       | sam_direct_droit2_surf8mm.txt        |
| <b>ZoomScan</b>        | 5x5x7,dx=8mm dy=8mm dz=5mm,Very fast |
| <b>Phantom</b>         | Right head                           |
| <b>Device Position</b> | Cheek                                |
| <b>Band</b>            | PCS 1900                             |
| <b>Channels</b>        | Middle                               |
| <b>Signal</b>          | TDMA (Crest factor: 8.0)             |



**Maximum location: X=-64.00, Y=-56.00**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.398490 |
| <b>SAR 1g (W/Kg)</b>  | 0.773851 |





Test Laboratory: AGC Lab  
PCS 1900 Mid-Body-Back <SIM 1>  
**DUT: Dazzle Mobile Phone; Type: C102**

**Date: Jul.01, 2013**

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=4.84;  
Frequency: 1880 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 52.83$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

Satimo Configuration:

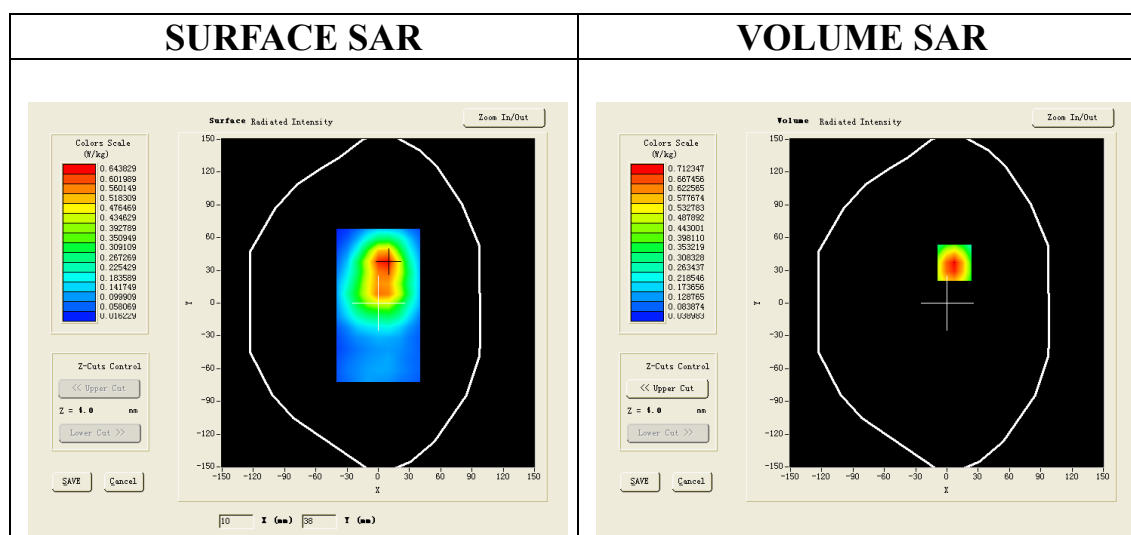
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/PCS1900 Mid-Body-Back/Area Scan:** Measurement grid: dx=20mm, dy=20mm

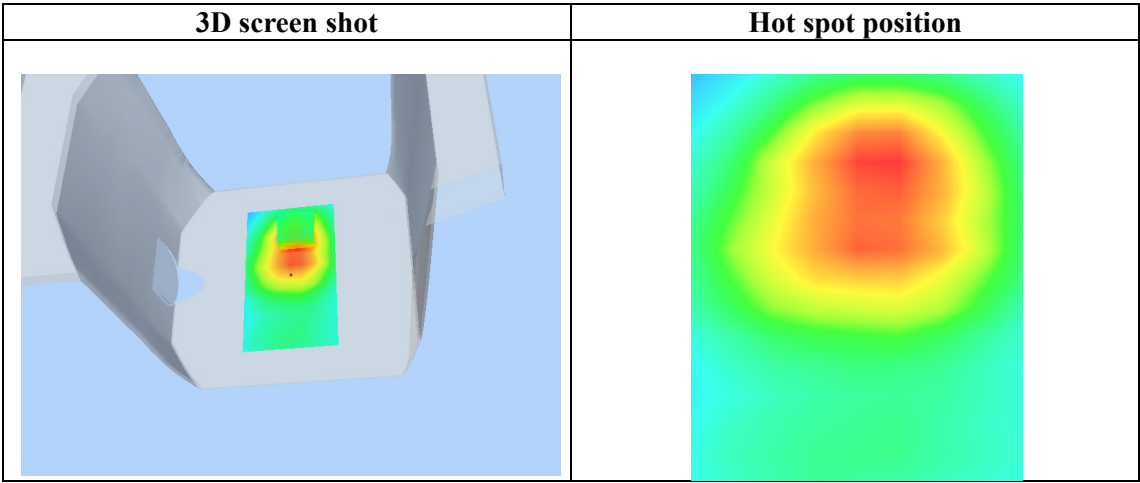
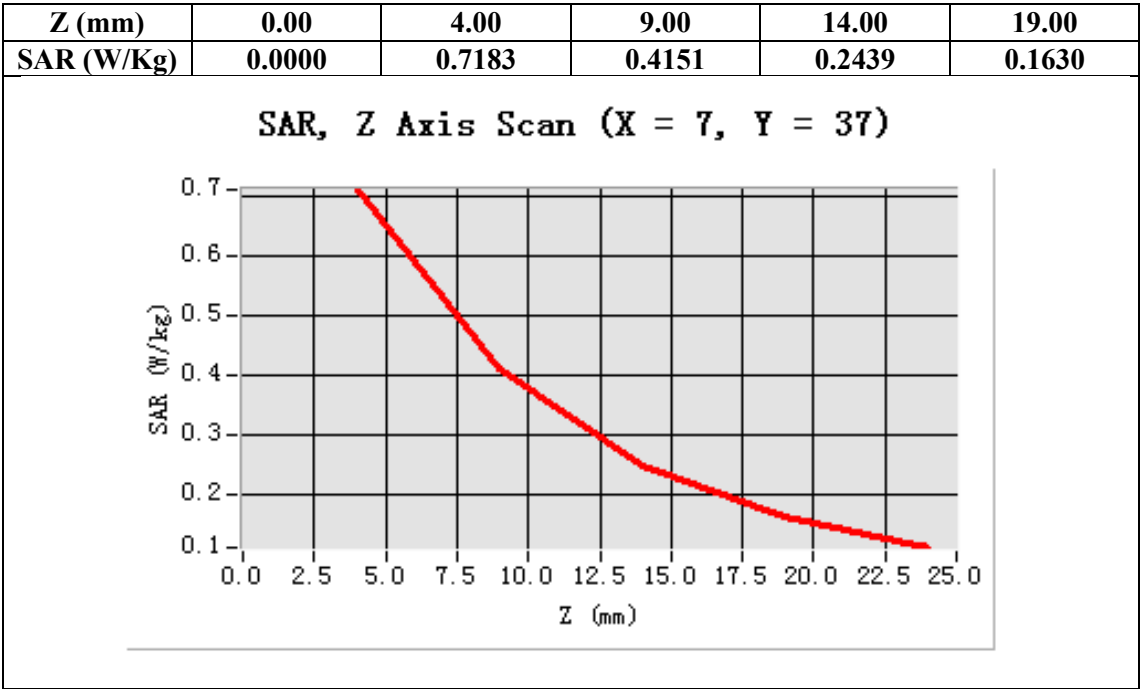
**Configuration/PCS1900 Mid-Body-Back/Zoom Scan:** Measurement grid: dx=8mm, dy=8mm, dz=5mm;

|                        |                                      |
|------------------------|--------------------------------------|
| <b>Area Scan</b>       | surf_sam_plan.txt                    |
| <b>ZoomScan</b>        | 5x5x7,dx=8mm dy=8mm dz=5mm,Very fast |
| <b>Phantom</b>         | Validation plane                     |
| <b>Device Position</b> | Body Back                            |
| <b>Band</b>            | PCS 1900                             |
| <b>Channels</b>        | Middle                               |
| <b>Signal</b>          | TDMA (Crest factor: 8.0)             |



**Maximum location: X=7.00, Y=37.00**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.425073 |
| <b>SAR 1g (W/Kg)</b>  | 0.738360 |



Test Laboratory: AGC Lab  
GPRS 1900 Mid-Body-Back (2up) <SIM 1>  
**DUT: Dazzle Mobile Phone; Type: C102**

**Date: Jul.01, 2013**

Communication System: GPRS-2 Slot; Communication System Band: PCS1900; Duty Cycle: 1:4.2 ; Conv.F=4.84;  
Frequency: 1880 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 52.83$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

Satimo Configuration:

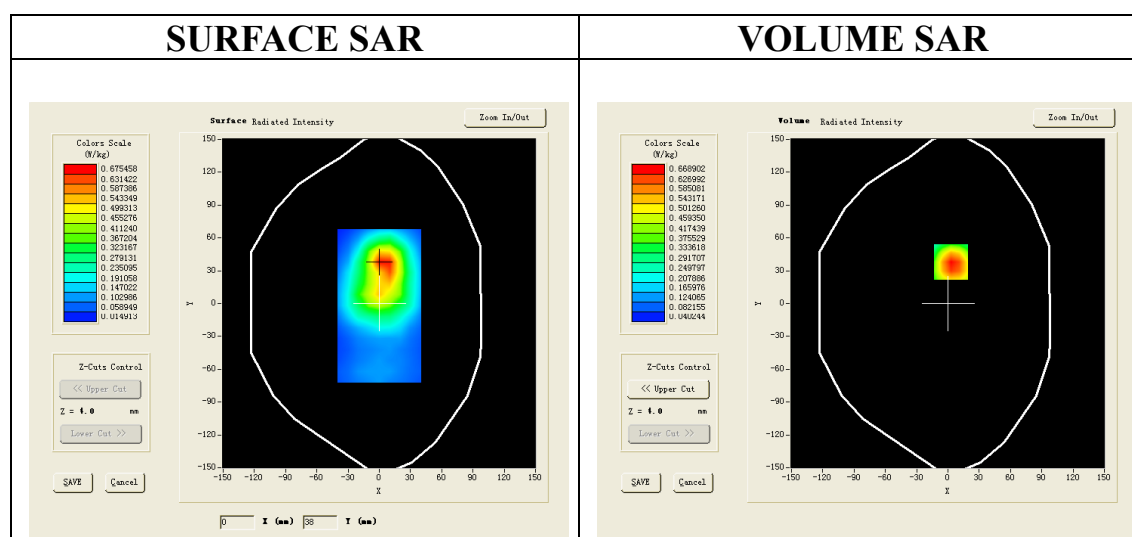
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/GPRS1900 Mid-Body-Back/Area Scan: Measurement grid: dx=20mm, dy=20mm**

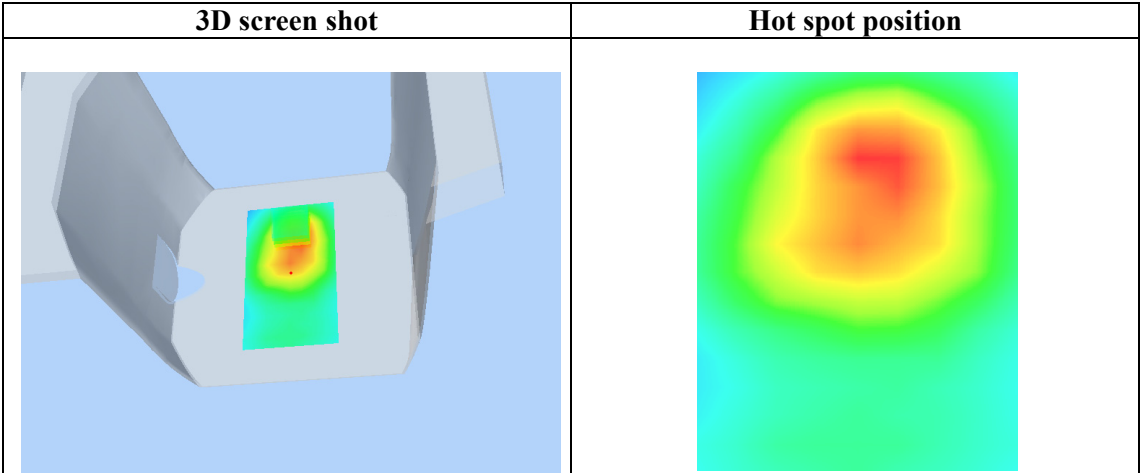
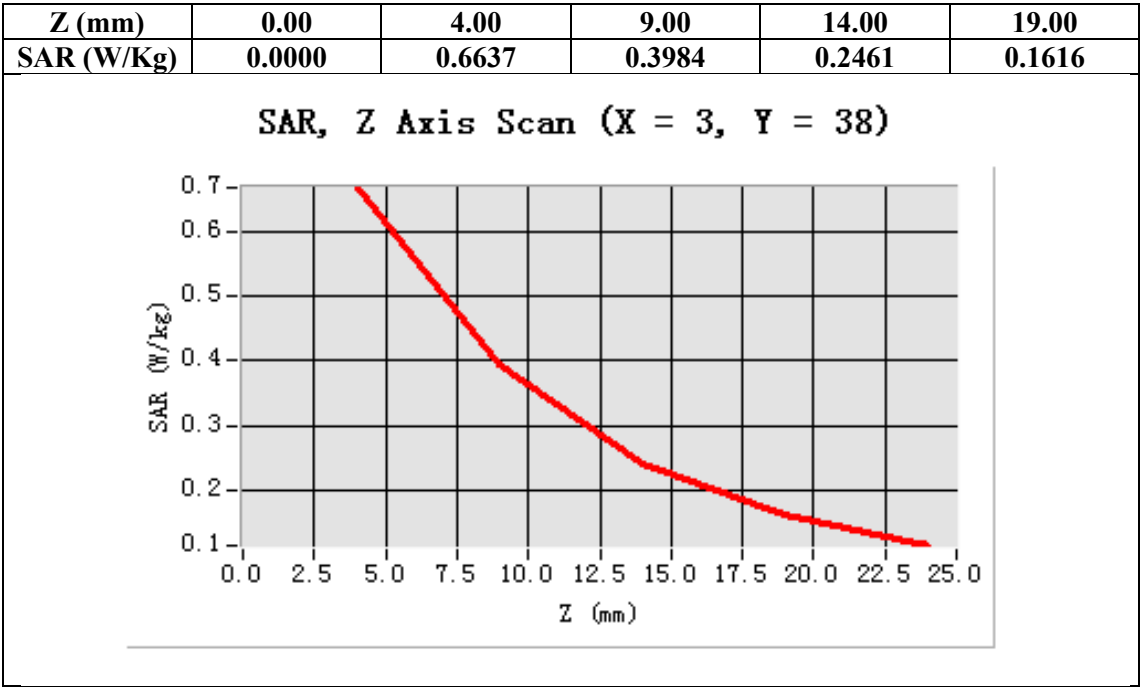
**Configuration/GPRS1900 Mid-Body-Back/Zoom Scan: Measurement grid: dx=8mm, dy=8mm, dz=5m;**

|                        |                                      |
|------------------------|--------------------------------------|
| <b>Area Scan</b>       | surf_sam_plan.txt                    |
| <b>ZoomScan</b>        | 5x5x7,dx=8mm dy=8mm dz=5mm,Very fast |
| <b>Phantom</b>         | Validation plane                     |
| <b>Device Position</b> | Body Back                            |
| <b>Band</b>            | PCS 1900                             |
| <b>Channels</b>        | Middle                               |
| <b>Signal</b>          | TDMA (Crest factor: 4.0)             |



**Maximum location: X=3.00, Y=38.00**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.406094 |
| <b>SAR 1g (W/Kg)</b>  | 0.698352 |



Test Laboratory: AGC Lab  
GPRS 1900 Mid-Body-Back (3up) <SIM 1>  
**DUT: Dazzle Mobile Phone; Type: C102**

**Date: Jul.01, 2013**

Communication System: GPRS-3 Slot; Communication System Band: PCS 1900; Duty Cycle:1:2.8 ; Conv.F=4.84;  
Frequency: 1880 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 52.83$   $\rho = 1000\text{kg/m}^3$  ;  
Phantom section: Flat Section  
Ambient temperature ( $^{\circ}\text{C}$ ): 21.0, Liquid temperature ( $^{\circ}\text{C}$ ): 21.0

Satimo Configuration:

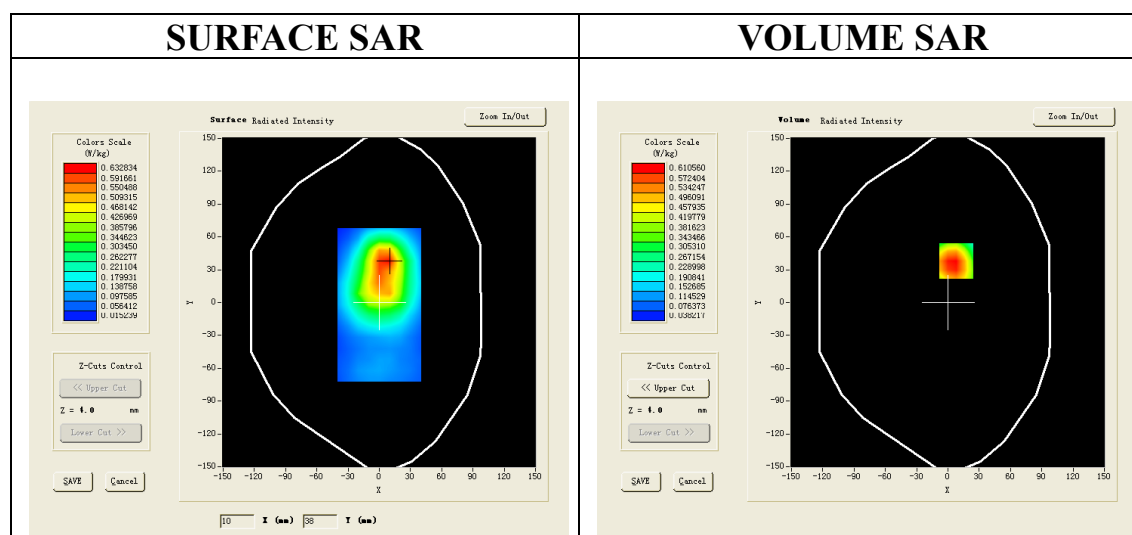
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/GPRS1900 Mid-Body-Back/Area Scan: Measurement grid: dx=20mm, dy=20mm**

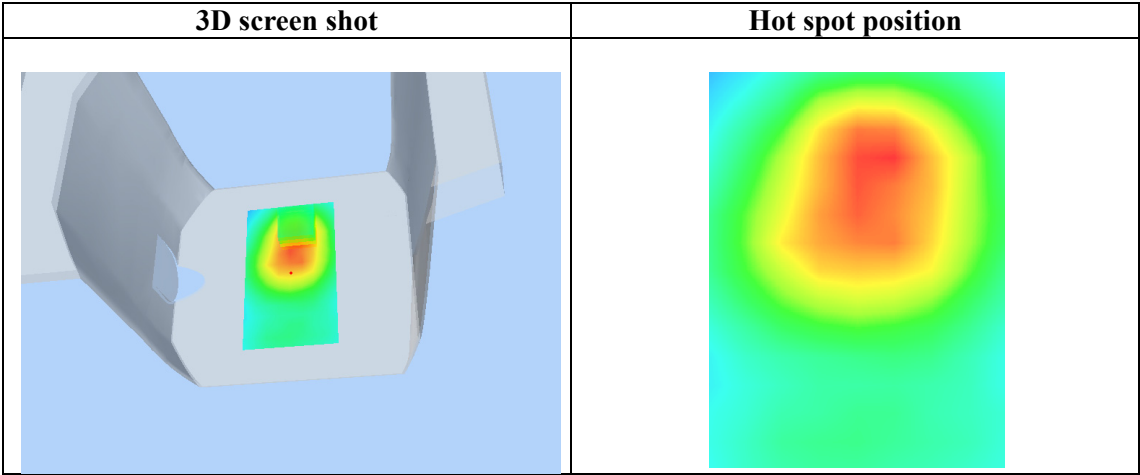
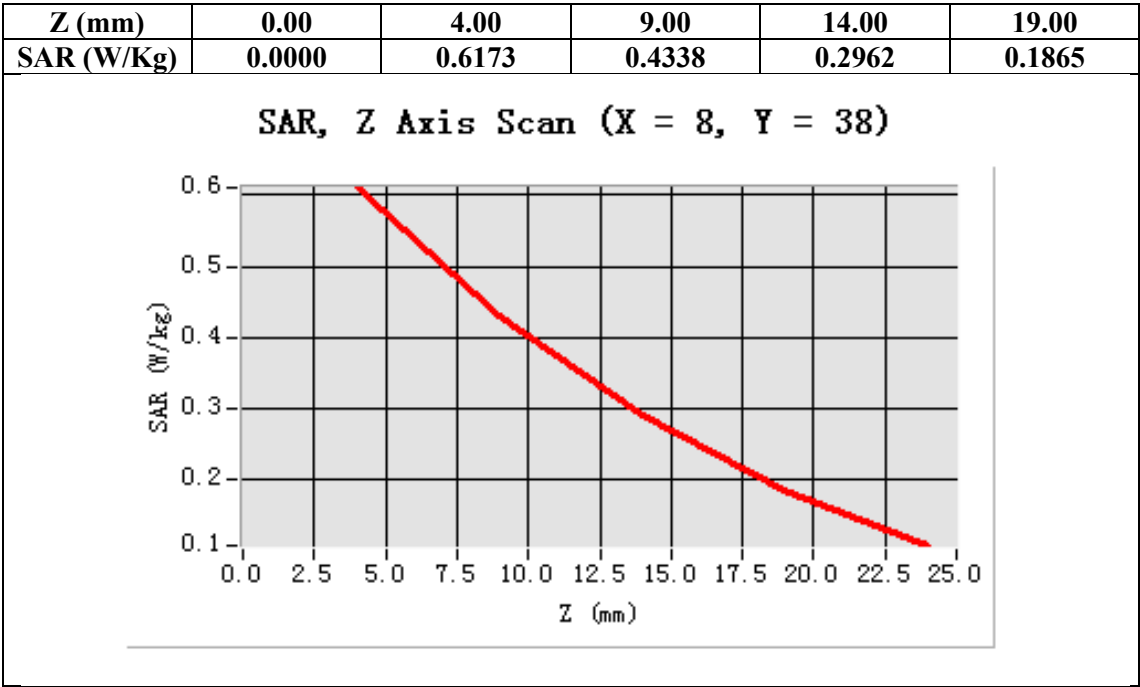
**Configuration/GPRS1900 Mid-Body-Back/Zoom Scan: Measurement grid: dx=8mm, dy=8mm, dz=5mm;**

|                        |                                      |
|------------------------|--------------------------------------|
| <b>Area Scan</b>       | surf_sam_plan.txt                    |
| <b>ZoomScan</b>        | 5x5x7,dx=8mm dy=8mm dz=5mm,Very fast |
| <b>Phantom</b>         | Validation plane                     |
| <b>Device Position</b> | Body Back                            |
| <b>Band</b>            | PCS 1900                             |
| <b>Channels</b>        | Middle                               |
| <b>Signal</b>          | TDMA (Crest factor: 2.7)             |



**Maximum location: X=8.00, Y=38.00**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.402896 |
| <b>SAR 1g (W/Kg)</b>  | 0.644097 |



Test Laboratory: AGC Lab  
GPRS 1900 Mid-Body- Back (4up) <SIM 1>  
**DUT: Dazzle Mobile Phone; Type: C102**

**Date: Jul.01, 2013**

Communication System: GPRS-4 Slot; Communication System Band: PCS 1900; Duty Cycle: 1:2.1; Conv.F=4.84;  
Frequency: 1880 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 52.83$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

**Satimo Configuration:**

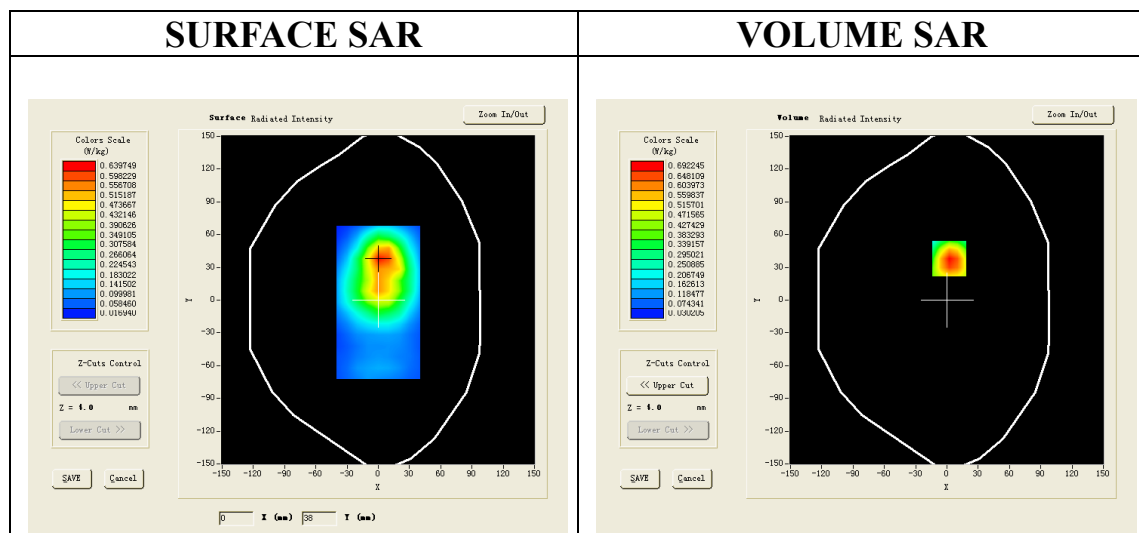
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/GPRS1900 Mid-Body-Back/Area Scan: Measurement grid: dx=20mm, dy=20mm**

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

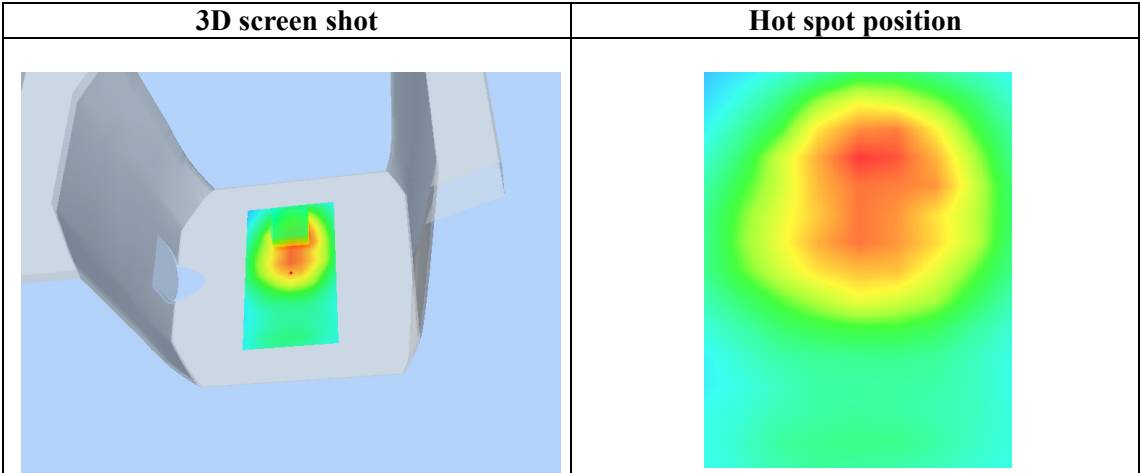
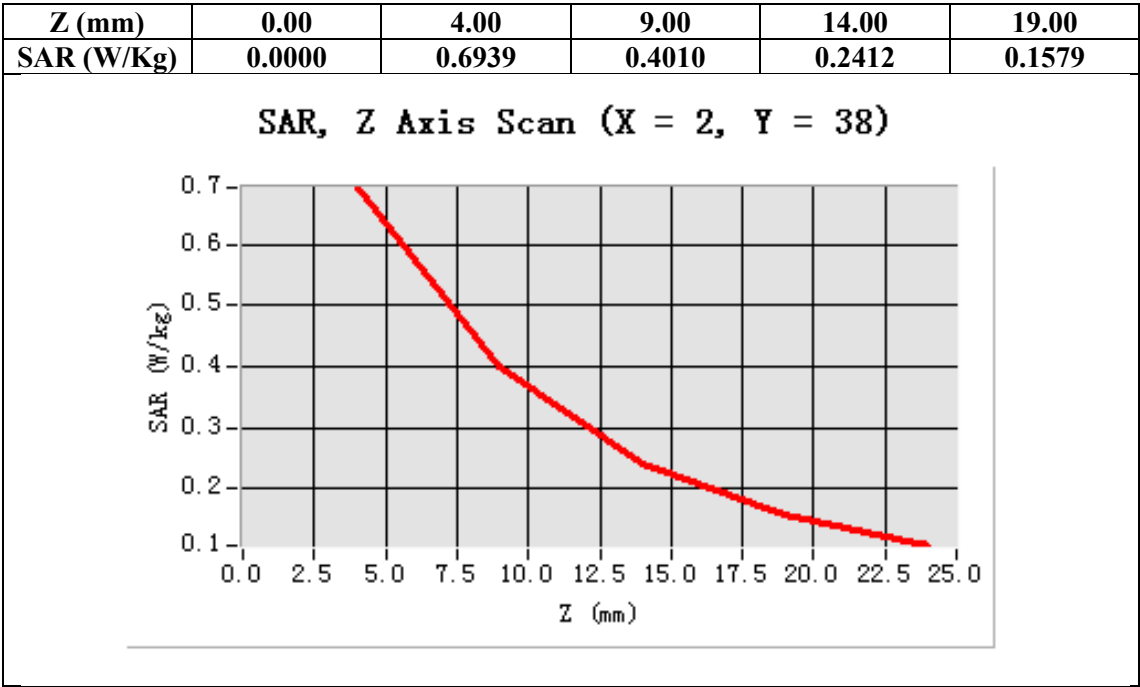
|                        |                                      |
|------------------------|--------------------------------------|
| <b>Area Scan</b>       | surf_sam_plan.txt                    |
| <b>ZoomScan</b>        | 5x5x7,dx=8mm dy=8mm dz=5mm,Very fast |
| <b>Phantom</b>         | Validation plane                     |
| <b>Device Position</b> | Body Back                            |
| <b>Band</b>            | PCS 1900                             |
| <b>Channels</b>        | Middle                               |
| <b>Signal</b>          | TDMA (Crest factor: 2.0)             |



**Maximum location: X=2.00, Y=38.00**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.414097 |
| <b>SAR 1g (W/Kg)</b>  | 0.716238 |





Test Laboratory: AGC Lab  
PCS 1900 Mid-Body -Front (MS) <SIM 1>  
**DUT: Dazzle Mobile Phone; Type: C102**

**Date: Jul.01, 2013**

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=4.84;  
Frequency: 1880 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 52.83$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

Satimo Configuration:

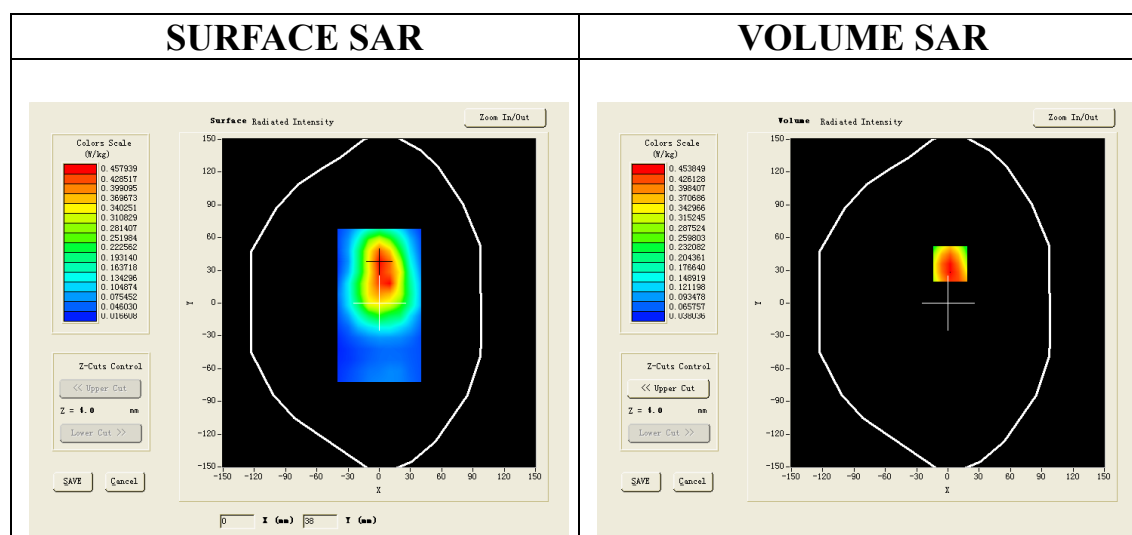
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/PCS1900 Mid-Body- Front /Area Scan: Measurement grid: dx=20mm, dy=20mm**

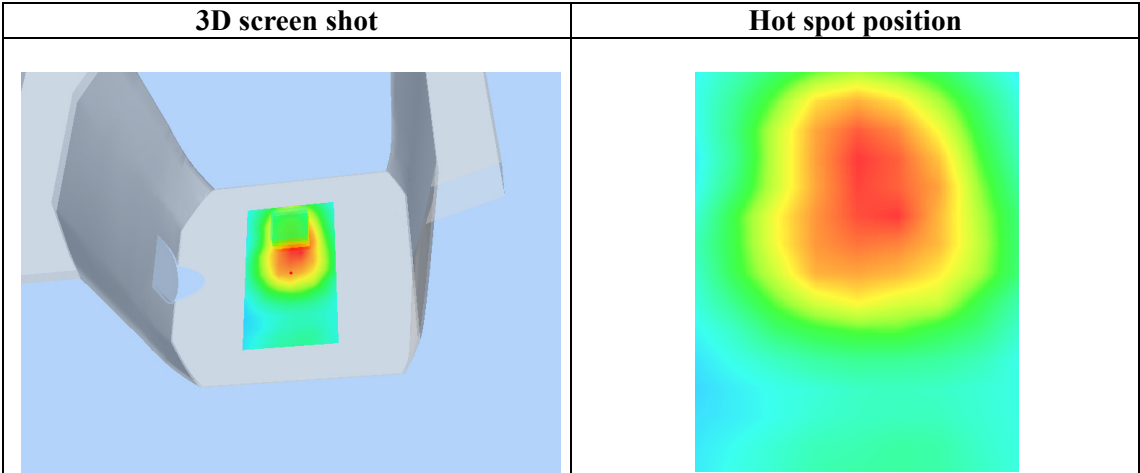
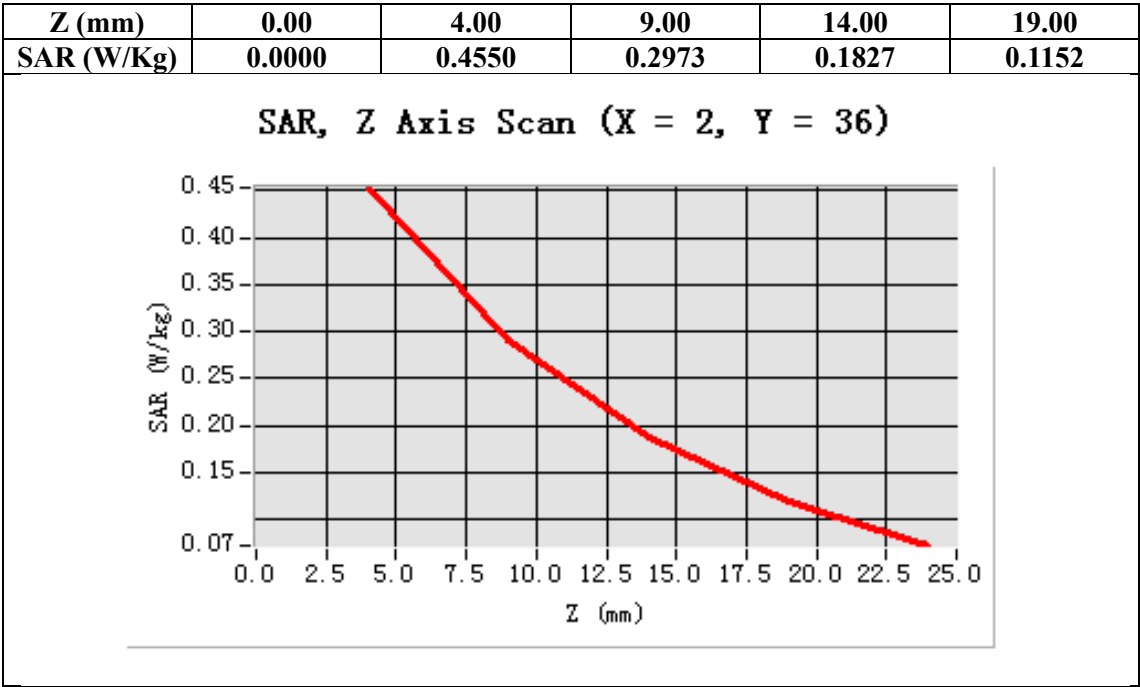
**Configuration/PCS1900 Mid-Body- Front /Zoom Scan: Measurement grid: dx=8mm, dy=8mm, dz=5mm;**

|                        |                                      |
|------------------------|--------------------------------------|
| <b>Area Scan</b>       | surf_sam_plan.txt                    |
| <b>ZoomScan</b>        | 5x5x7,dx=8mm dy=8mm dz=5mm,Very fast |
| <b>Phantom</b>         | Validation plane                     |
| <b>Device Position</b> | Body Front                           |
| <b>Band</b>            | PCS 1900                             |
| <b>Channels</b>        | Middle                               |
| <b>Signal</b>          | TDMA (Crest factor: 8.0)             |



**Maximum location: X=2.00, Y=36.00**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.294078 |
| <b>SAR 1g (W/Kg)</b>  | 0.475137 |



Test Laboratory: AGC Lab  
PCS 1900 Mid-Body- Back (MS) –with earphone <SIM 1>  
**DUT: Dazzle Mobile Phone; Type: C102**

**Date: Jul.01, 2013**

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=4.84;  
Frequency: 1880 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 52.83$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

Satimo Configuration:

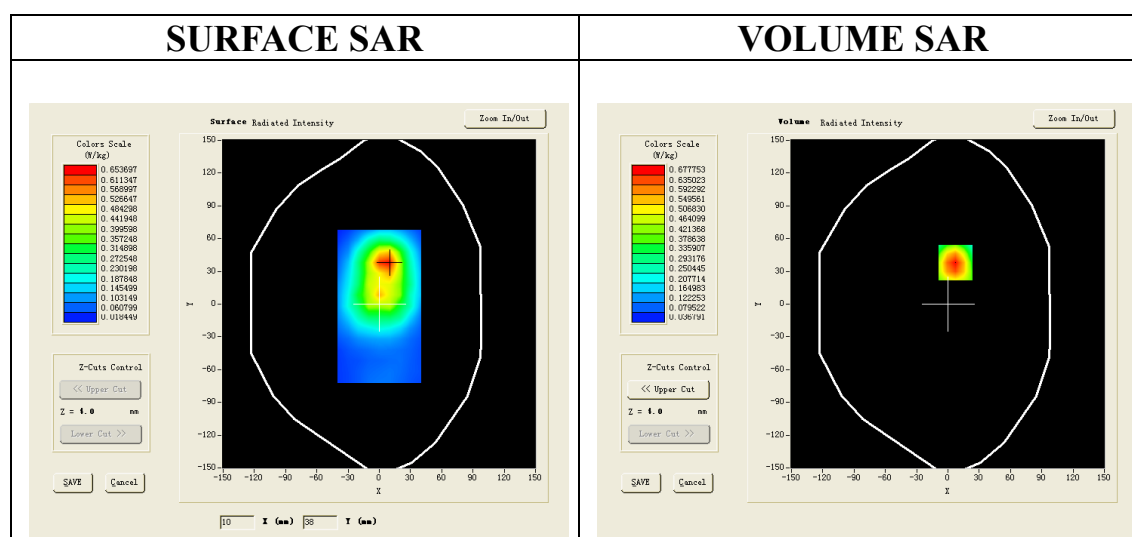
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/PCS1900 Mid-Body-Back/Area Scan: Measurement grid: dx=20mm, dy=20mm**

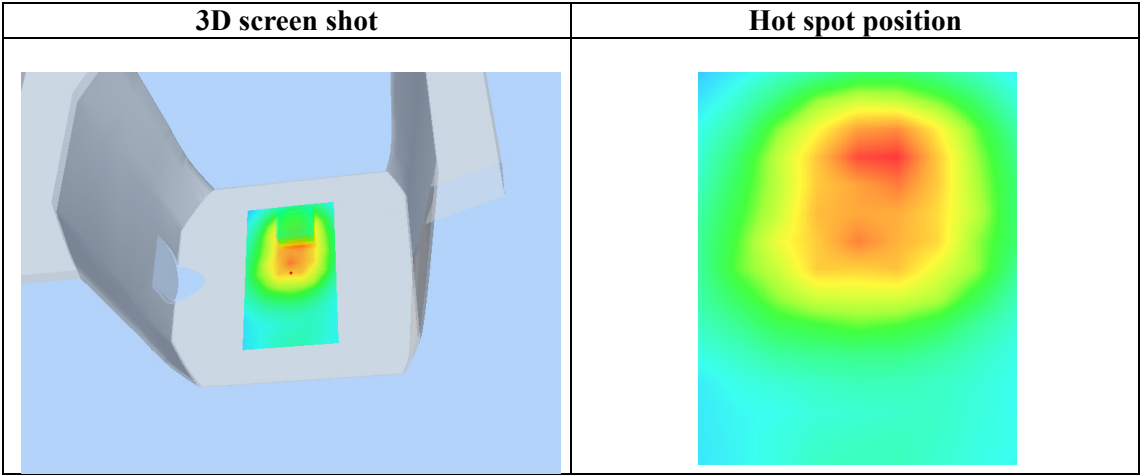
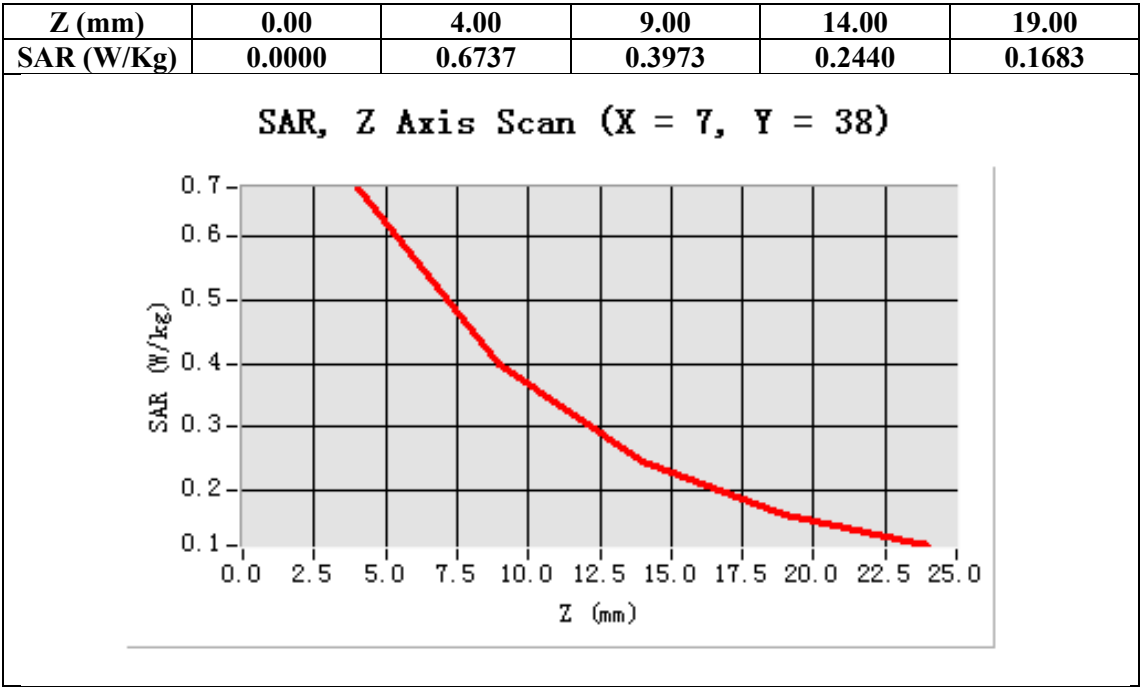
**Configuration/PCS1900 Mid-Body-Back/Zoom Scan: Measurement grid: dx=8mm, dy=8mm, dz=5mm;**

|                        |                                      |
|------------------------|--------------------------------------|
| <b>Area Scan</b>       | surf_sam_plan.txt                    |
| <b>ZoomScan</b>        | 5x5x7,dx=8mm dy=8mm dz=5mm,Very fast |
| <b>Phantom</b>         | Validation plane                     |
| <b>Device Position</b> | Body Back                            |
| <b>Band</b>            | PCS 1900                             |
| <b>Channels</b>        | Middle                               |
| <b>Signal</b>          | TDMA (Crest factor: 8.0)             |



**Maximum location: X=7.00, Y=38.00**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.404078 |
| <b>SAR 1g (W/Kg)</b>  | 0.696241 |



## Close Mode

Test Laboratory: AGC Lab

Date: Jul.01, 2013

GSM 850 Mid-Touch-Left <SIM 1>

DUT: Dazzle Mobile Phone; Type: C102

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=5.30  
Frequency: 836.6 MHz; Medium parameters used:  $f = 850$  MHz;  $\sigma = 0.94$  mho/m;  $\epsilon_r = 40.59$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Left Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

Satimo Configuration:

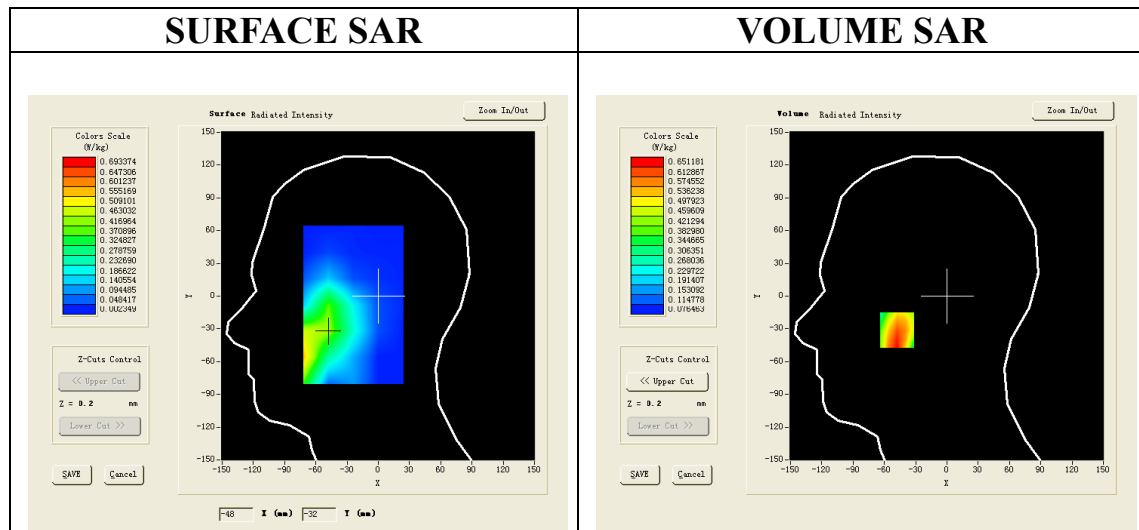
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4\_02\_01

Configuration/GSM 850 Mid-Touch-Left/Area Scan (6x8x1): Measurement grid: dx=20mm, dy=20mm

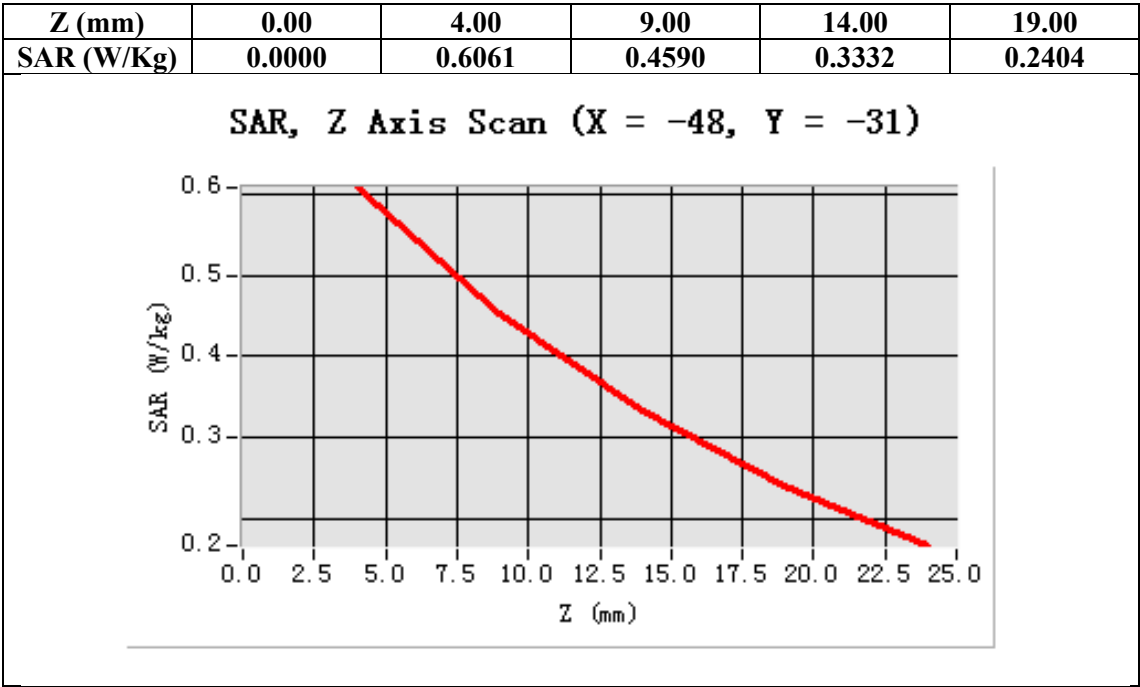
Configuration/GSM 850 Mid-Touch-Left/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

|                 |                                      |
|-----------------|--------------------------------------|
| Area Scan       | sam_direct_droit2_surf8mm.txt        |
| ZoomScan        | 5x5x7,dx=8mm dy=8mm dz=5mm,Very fast |
| Phantom         | Left head                            |
| Device Position | Cheek                                |
| Band            | GSM 850                              |
| Channels        | Middle                               |
| Signal          | TDMA (Crest factor: 8.0)             |



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

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.414907 |
| SAR 1g (W/Kg)  | 0.615985 |



Test Laboratory: AGC Lab  
GSM 850 Mid- Body- Back <SIM 1>  
**DUT: Dazzle Mobile Phone; Type: C102**

**Date: Jul.01, 2013**

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=5.46;  
Frequency: 836.6 MHz; Medium parameters used:  $f = 850$  MHz;  $\sigma = 0.98$  mho/m;  $\epsilon_r = 54.02$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

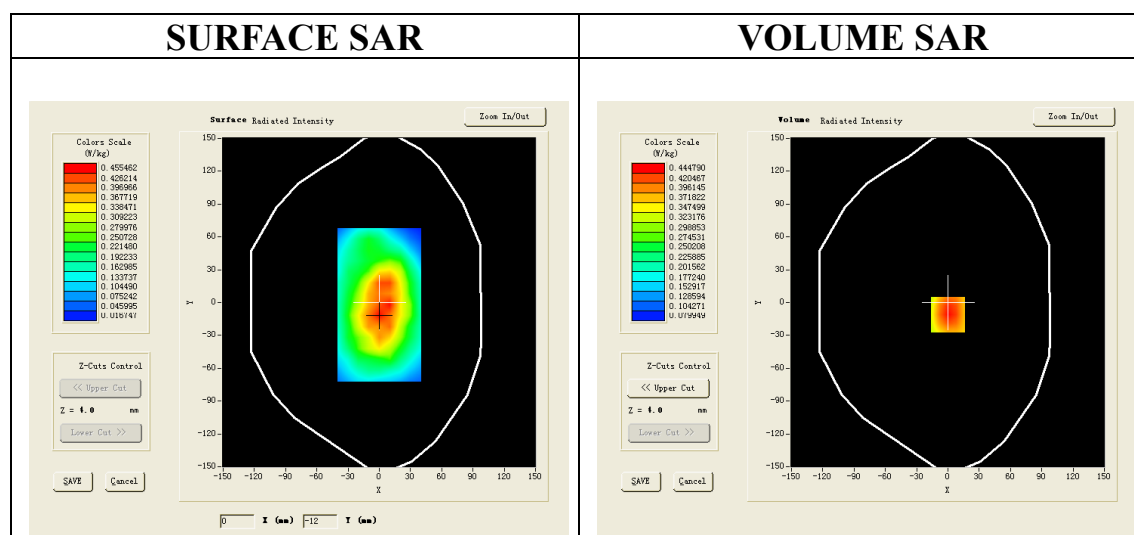
Satimo Configuration:

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/GSM 850 Mid-Body-Back/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm  
**Configuration/GSM 850 Mid-Body-Back/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm;

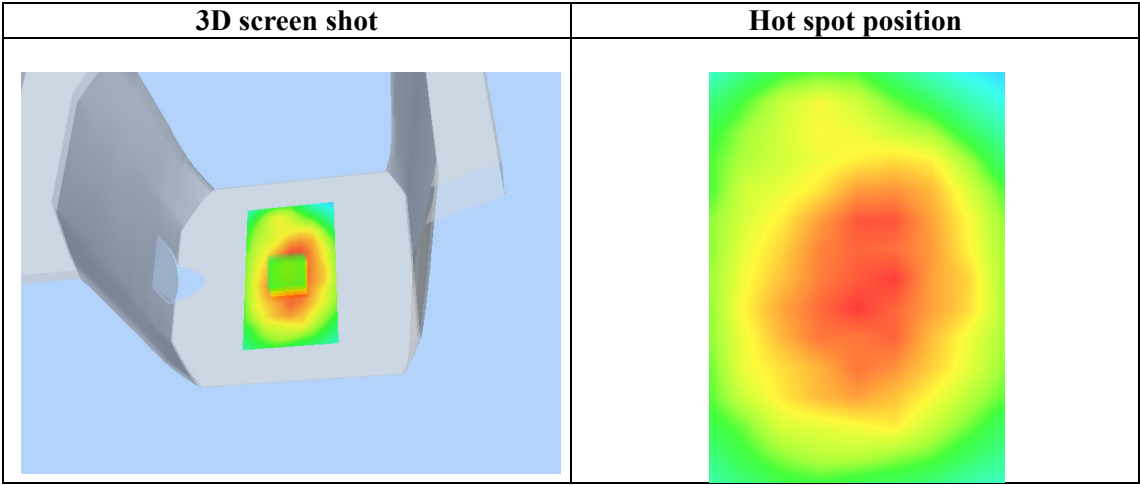
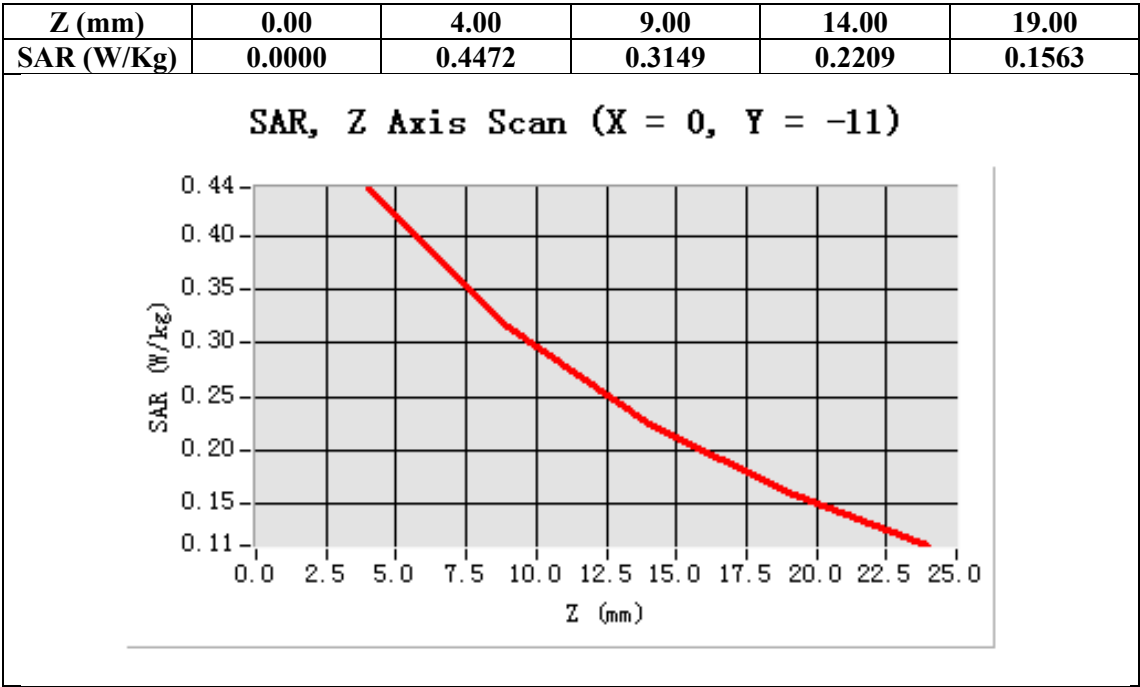
|                        |                                      |
|------------------------|--------------------------------------|
| <b>Area Scan</b>       | surf_sam_plan.txt                    |
| <b>ZoomScan</b>        | 5x5x7,dx=8mm dy=8mm dz=5mm,Very fast |
| <b>Phantom</b>         | Validation plane                     |
| <b>Device Position</b> | Body Back                            |
| <b>Band</b>            | GSM 850                              |
| <b>Channels</b>        | Middle                               |
| <b>Signal</b>          | TDMA (Crest factor: 8.0)             |



**Maximum location: X=0.00, Y=-11.00**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.318351 |
| <b>SAR 1g (W/Kg)</b>  | 0.464907 |





Test Laboratory: AGC Lab  
PCS 1900 Mid-Touch-Right <SIM 1>  
**DUT: Dazzle Mobile Phone; Type: C102**

**Date: Jul.01, 2013**

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=4.72;  
Frequency: 1880 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.40$  mho/m;  $\epsilon_r = 41.95$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Right Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

Satimo Configuration:

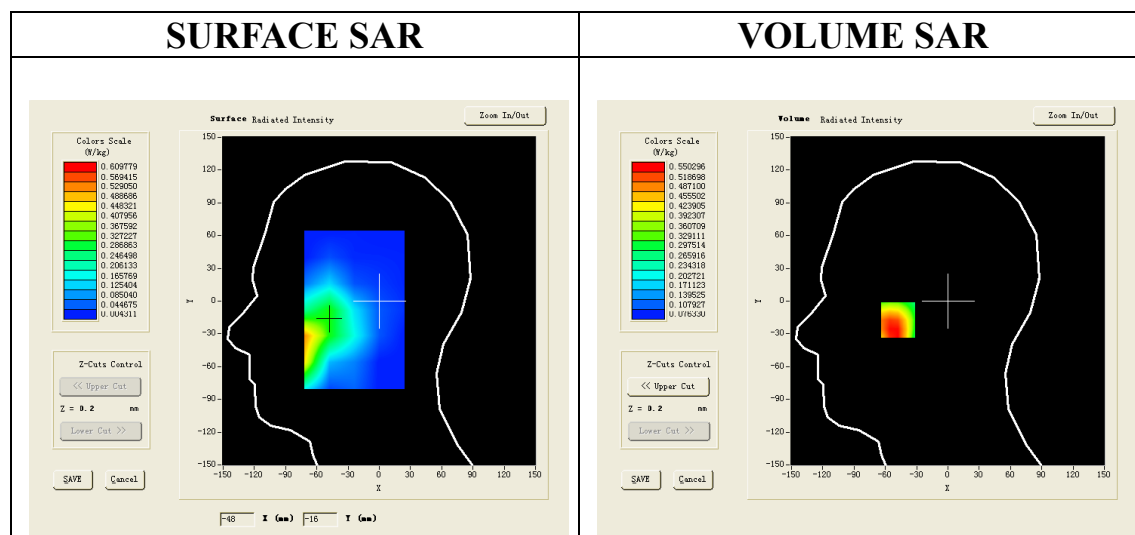
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/PCS1900 Mid-Touch-Right/Area Scan:** Measurement grid: dx=20mm, dy=20mm

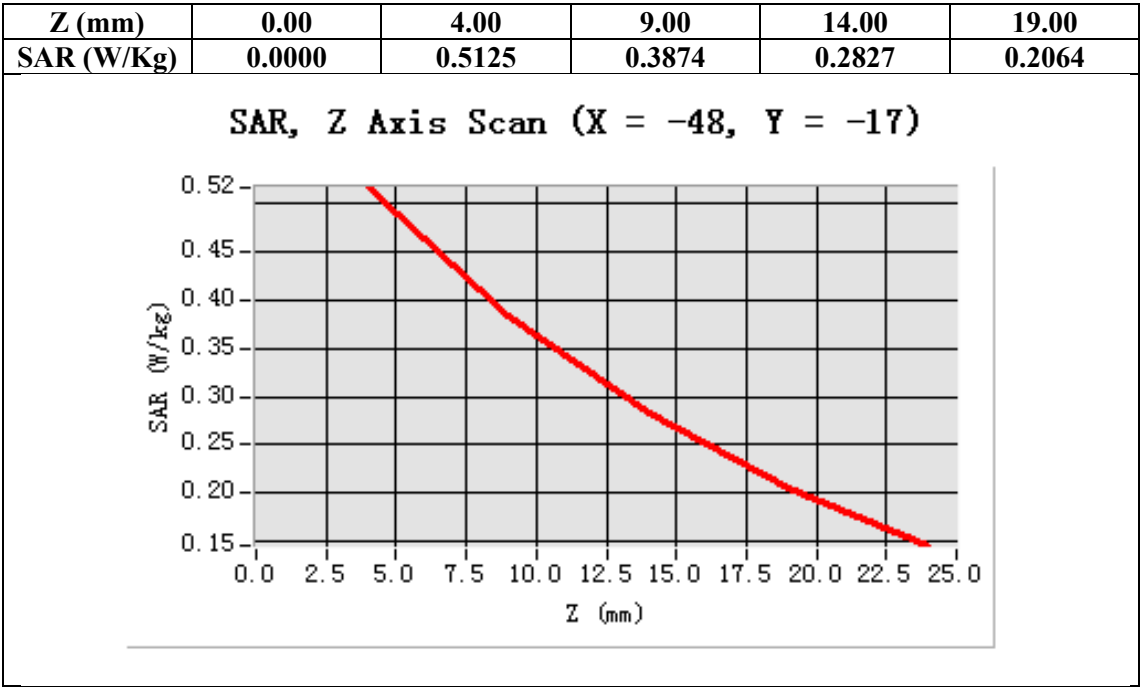
**Configuration/PCS1900 Mid-Touch-Right/Zoom Scan:** Measurement grid: dx=8mm, dy=8mm, dz=5mm;

|                        |                                      |
|------------------------|--------------------------------------|
| <b>Area Scan</b>       | sam_direct_droit2_surf8mm.txt        |
| <b>ZoomScan</b>        | 5x5x7,dx=8mm dy=8mm dz=5mm,Very fast |
| <b>Phantom</b>         | Right head                           |
| <b>Device Position</b> | Cheek                                |
| <b>Band</b>            | PCS 1900                             |
| <b>Channels</b>        | Middle                               |
| <b>Signal</b>          | TDMA (Crest factor: 8.0)             |



**Maximum location: X=-48.00, Y=-17.00**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.375907 |
| <b>SAR 1g (W/Kg)</b>  | 0.538362 |



Test Laboratory: AGC Lab  
PCS 1900 Mid-Body-Back <SIM 1>  
**DUT: Dazzle Mobile Phone; Type: C102**

**Date: Jul.01, 2013**

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=4.84;  
Frequency: 1880 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 52.83$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

Satimo Configuration:

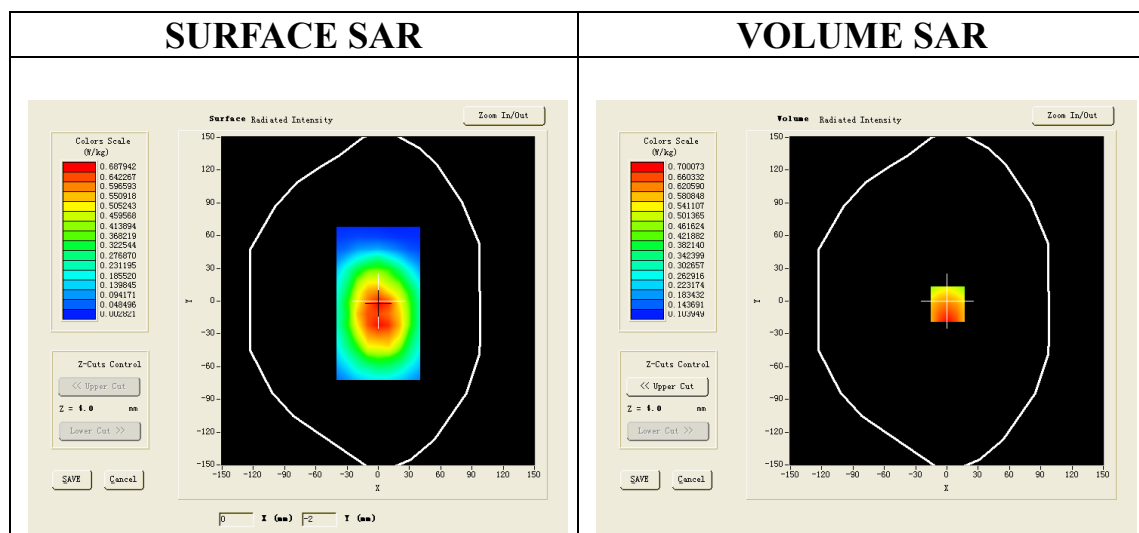
Probe: EP165; Calibrated: 01/31/2013

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: Flat Phantom; Type: Elliptical Phantom
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/PCS1900 Mid-Body-Back/Area Scan:** Measurement grid: dx=20mm, dy=20mm

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

|                        |                                      |
|------------------------|--------------------------------------|
| <b>Area Scan</b>       | surf_sam_plan.txt                    |
| <b>ZoomScan</b>        | 5x5x7,dx=8mm dy=8mm dz=5mm,Very fast |
| <b>Phantom</b>         | Validation plane                     |
| <b>Device Position</b> | Body Back                            |
| <b>Band</b>            | PCS 1900                             |
| <b>Channels</b>        | Middle                               |
| <b>Signal</b>          | TDMA (Crest factor: 8.0)             |



**Maximum location: X=1.00, Y=-3.00**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.473963 |
| <b>SAR 1g (W/Kg)</b>  | 0.708306 |

