SAR TEST REPORT

REPORT NO.: SA990712C03

MODEL NO.: F-01C

FCC ID: VQK-F01C

RECEIVED: Jul. 12, 2010

TESTED: Jul. 17 ~ Aug. 08, 2010

ISSUED: Aug. 23, 2010

APPLICANT: FUJITSU LIMITED

ADDRESS: 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki 211-8588, Japan

ISSUED BY: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

LAB ADDRESS: No. 47, 14th Ling, Chia Pau Tsuen, Lin Kou Hsiang, Taipei Hsien 244, Taiwan, R.O.C.

TEST LOCATION: No. 19, Hwa Ya 2nd Rd, Wen Hwa Tsuen, Kwei Shan Hsiang, Taoyuan Hsien 333, Taiwan, R.O.C.

TABLE OF CONTENTS

1. CERTIFICATION

PRODUCT:	Mobile phone
MODEL NO.:	F-01C
BRAND:	FOMA
APPLICANT:	FUJITSU LIMITED
TESTED:	Jul. 17 ~ Aug. 08, 2010
TEST SAMPLE:	ENGINEERING SAMPLE
STANDARDS:	**FCC Part 2 (Section 2.1093)**
	FCC OET Bulletin 65, Supplement C (01-01)
	RSS-102

The above equipment (model: F-01C) has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

PREPARED BY : _____ **, DATE :** Aug. 23, 2010
Joanna Wang / Senior Specialist

TECHNICAL ACCEPTANCE : _____ **, DATE :** Aug. 23, 2010
Responsible for RF Mason Chang / Engineer

APPROVED BY : _____ **, DATE :** Aug. 23, 2010
Gary Chang / Assistant Manager

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

<table>
<tr><td>EUT</td><td colspan="5">Mobile phone</td></tr>
<tr><td>MODEL NO.</td><td colspan="5">F-01C</td></tr>
<tr><td>FCC ID</td><td colspan="5">VQK-F01C</td></tr>
<tr><td>POWER SUPPLY</td><td colspan="5">3.7Vdc (Li-ion battery)
5.4Vdc (Adapter)</td></tr>
<tr><td>MODULATION TYPE</td><td colspan="5">For WCDMA 850: WCDMA (Band 5) / HSDPA / HSUPA
For PCS 1900: GMSK</td></tr>
<tr><td>FREQUENCY RANGE</td><td colspan="5">824MHz ~ 849MHz ; 1850MHz ~ 1910MHz</td></tr>
<tr><td rowspan="8">CHANNEL FREQUENCIES UNDER TEST AND ITS CONDUCTED OUTPUT POWER</td><td>CH</td><td>FREQ.</td><td>WCDMA 850</td><td>HSDPA 850</td><td>HSUPA 850</td></tr>
<tr><td>4132</td><td>826.4MHz</td><td>22.69dBm</td><td>21.86dBm</td><td>22.16dBm</td></tr>
<tr><td>4182</td><td>836.4MHz</td><td>22.70dBm</td><td>21.84dBm</td><td>22.14dBm</td></tr>
<tr><td>4233</td><td>846.6MHz</td><td>22.23dBm</td><td>21.85dBm</td><td>22.15dBm</td></tr>
<tr><td>CH</td><td>FREQ.</td><td colspan="2">PCS1900</td><td>GPRS 1900</td></tr>
<tr><td>512</td><td>1850.2MHz</td><td colspan="2">29.00dBm</td><td>28.97dBm</td></tr>
<tr><td>661</td><td>1880.0MHz</td><td colspan="2">28.82dBm</td><td>28.81dBm</td></tr>
<tr><td>810</td><td>1909.8MHz</td><td colspan="2">28.92dBm</td><td>28.91dBm</td></tr>
<tr><td rowspan="2">MAX. AVERAGE SAR (1g)</td><td colspan="2">Head:</td><td colspan="3">WCDMA 850 band: 0.492W/kg
PCS1900 band: 0.423W/kg</td></tr>
<tr><td colspan="2">Body:</td><td colspan="3">WCDMA 850 band: 0.453W/kg
PCS1900 band: 0.409W/kg</td></tr>
<tr><td>ANTENNA GAIN</td><td colspan="5">WCDMA 850 band:
Integral antenna with 0dBi gain (EUT open)
Integral antenna with -2dBi gain (EUT close)
PCS1900 band:
Integral antenna with 0dBi gain (EUT open)
Integral antenna with -2dBi gain (EUT close)</td></tr>
<tr><td>DATA CABLE</td><td colspan="5">NA</td></tr>
<tr><td>I/O PORTS</td><td colspan="5">Refer to user’s manual</td></tr>
<tr><td>ACCESSORY DEVICES</td><td colspan="5">Battery</td></tr>
</table>

NOTE:

1. The EUT uses the following Li-ion battery:

BRAND	Fujitsu Limited
MODEL	F18
RATING	3.7Vdc, 960mAh

2. The following accessory is for support units only.

PRODUCT	BRAND	DESCRIPTION
Adapter	SMK	I/P: 100-240Vac, 50-60Hz, 0.12A O/P: 5.4Vdc, 700mA
USB cable	NA	0.8m non-shielded cable without core
HDMI cable	NA	Manufacture : Molex Sticker: No. 001 Model name: 68786-0001 1.5m shielded cable without core
		Sticker: No.003 Manufacture: OLYMPUS Model name: CB-HD1 0.8m shielded cable without core

3. The following summary may be used to identify the samples referenced in the test summary and any declared hardware or software modifications. Where modifications have been made, conformance has been demonstrated by regression testing declared by the manufacturer.

IMEI	SOFTWARE REVISION	HARDWARE REVISION	DATE OF RECEIPT
352146040009255	R18.5	V2.2.0	2010/07/12

4. The above EUT information was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.

2.2 GENERAL DESCRIPTION OF APPLIED STANDARDS

According to the specifications of the manufacturer, this product must comply with the requirements of the following standards:

FCC Part 2 (2.1093)

FCC OET Bulletin 65, Supplement C (01- 01)

RSS-102

IEEE 1528-2003

All test items have been performed and recorded as per the above standards.

2.3 GENERAL INOFRMATION OF THE SAR SYSTEM

DASY4 **(Software 4.7 Build 80)** consists of high precision robot, probe alignment sensor, phantom, robot controller, controlled measurement server and near-field probe. The robot includes six axes that can move to the precision position of the DASY4 software defined. The DASY4 software can define the area that is detected by the probe. The robot is connected to controlled box. Controlled measurement server is connected to the controlled robot box. The DAE includes amplifier, signal multiplexing, AD converter, offset measurement and surface detection. It is connected to the Electro-optical coupler (ECO). The ECO performs the conversion form the optical into digital electric signal of the DAE and transfers data to the PC.

EX3DV4 ISOTROPIC E-FIELD PROBE

CONSTRUCTION	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)
FREQUENCY	10 MHz to > 6 GHz Linearity: ± 0.2 dB (30 MHz to 6 GHz)
DIRECTIVITY	± 0.3 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis)
DYNAMIC RANGE	10 μW/g to > 100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 μW/g)
DIMENSIONS	Overall length: 330 mm (Tip: 20 mm) Tip diameter: 2.5 mm (Body: 12 mm) Typical distance from probe tip to dipole centers: 1 mm
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 6 GHz with precision of better 30%.

NOTE

1. The Probe parameters have been calibrated by the SPEAG. Please reference “APPENDIX D” for the Calibration Certification Report.
2. For frequencies above 800MHz, calibration in a rectangular wave-guide is used, because wave-guide size is manageable.
3. For frequencies below 800MHz, temperature transfer calibration is used because the wave-guide size becomes relatively large.

TWIN SAM V4.0

CONSTRUCTION	The shell corresponds to the specifications of the Specific Anthropomorphic Mannequin (SAM) phantom defined in IEEE 1528-2003, EN 62209-1 and IEC 62209. It enables the dosimetric evaluation of left and right hand phone usage as well as body mounted usage at the flat phantom region. A cover prevents evaporation of the liquid. Reference markings on the phantom allow the complete setup of all predefined phantom positions and measurement grids by manually teaching three points with the robot.
SHELL THICKNESS	2 ± 0.2mm
FILLING VOLUME	Approx. 25liters
DIMENSIONS	Height: 810mm; Length: 1000mm; Width: 500mm

SYSTEM VALIDATION KITS:

CONSTRUCTION	Symmetrical dipole with l/4 balun enables measurement of feedpoint impedance with NWA matched for use near flat phantoms filled with brain simulating solutions. Includes distance holder and tripod adaptor
CALIBRATION	Calibrated SAR value for specified position and input power at the flat phantom in brain simulating solutions
FREQUENCY	835, 1900MHz
RETURN LOSS	> 20dB at specified validation position
POWER CAPABILITY	> 100W (f < 1GHz); > 40W (f > 1GHz)
OPTIONS	Dipoles for other frequencies or solutions and other calibration conditions upon request

DEVICE HOLDER FOR SAM TWIN PHANTOM

CONSTRUCTION

The device holder for the mobile phone device 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 centers for both scales is the ear reference point (ERP). Thus the device needs no repositioning when changing the angles. The holder has been made out of low-loss POM material having the following dielectric parameters: relative permittivity ε =3 and loss tangent δ =0.02. The amount of dielectric material has been reduced in the closest vicinity of the device, since measurements have suggested that the influence of the clamp on the test results could thus be lowered. The device holder for the portable device makes up of the polyethylene foam. The dielectric parameters of material close to the dielectric parameters of the air.

DATA ACQUISITION ELECTRONICS

CONSTRUCTION

The data acquisition electronics (DAE4) consists of a highly sensitive electrometer grade preamplifier with auto-zeroing, a channel and gain-switching multiplex, a fast 16 bit AD converter and a command decoder and control logic unit. Transmission to the measurement server is accomplished through an optical downlink for data and status information as well as an optical uplink for commands and the clock. The mechanical probe is mounting device includes two different sensor systems for frontal and sideways probe contacts. They are used for mechanical surface detection and probe collision detection. The input impedance of the DAE4 box is 200MOhm; the inputs are symmetrical and floating. Common mode rejection is above 80 dB.

2.4 TEST EQUIPMENT

FOR SAR MEASURENENT

ITEM	NAME	BRAND	TYPE	SERIES NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
1	SAM Phantom	S & P	QD000 P40 CA	TP-1485	NA	NA
2	Signal Generator	Agilent	E8257C	MY43320668	Feb. 23, 2010	Feb. 22, 2011
3	E-Field Probe	S & P	EX3DV4	3590	Mar. 25, 2010	Mar. 24, 2011
4	DAE	S & P	DAE4	861	Jan. 22, 2010	Jan. 21, 2011
5	Robot Positioner	Staubli Unimation	NA	NA	NA	NA
6	Validation Dipole	S & P	D835V2	4d021	Apr. 29, 2010	Apr. 28, 2011
7	Validation Dipole	S & P	D1900V2	5d036	Feb. 23, 2010	Feb. 22, 2011

NOTE: Before starting, all test equipment shall be warmed up for 30min.

FOR TISSUE PROPERTY

ITEM	NAME	BRAND	TYPE	SERIES NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
1	Network Analyzer	Agilent	E8358A	US41480538	Dec. 03, 2009	Dec. 02, 2010
2	Dielectric Probe	Agilent	85070D	US01440176	NA	NA

NOTE:

1. Before starting, all test equipment shall be warmed up for 30min.
2. The tolerance (k=1) specified by Agilent for general dielectric measurements, deriving from inaccuracies in the calibration data, analyzer drift, and random errors, are usually ±2.5% and ±5% for measured permittivity and conductivity, respectively. However, the tolerances for the conductivity is smaller for material with large loss tangents, i.e., less than ±2.5% (k=1). It can be substantially smaller if more accurate methods are applied

2.5 GENERAL DESCRIPTION OF THE SPATIAL PEAK SAR EVALUATION

The DASY4 post-processing software (SEMCAD) automatically executes the following procedures to calculate the field units from the micro-volt readings at the probe connector. The parameters used in the evaluation are stored in the configuration modules of the software:

Probe parameters:	- Sensitivity	$Norm_i$, a_{i0}, a_{i1}, a_{i2}
	- Conversion factor	$ConvF_i$
	- Diode compression point	dcp_i
Device parameters:	- Frequency	F
	- Crest factor	Cf
Media parameters:	- Conductivity	σ
	- Density	ρ

The first step of the evaluation is a linearization of the filtered input signal to account for the compression characteristics of the detector diode. The compensation depends on the input signal, the diode type and the DC-transmission factor from the diode to the evaluation electronics. If the exciting field is pulsed, the crest factor of the signal must be known to correctly compensate for peak power. The formula for each channel can be given as:

$$V_i = U_i + U_i^2 \bullet \frac{cf}{dcp_i}$$

V_i	=compensated signal of channel i	(i = x, y, z)
U_i	=input signal of channel I	(i = x, y, z)
Cf	=crest factor of exciting field	(DASY parameter)
dcp_i	=diode compression point	(DASY parameter)

From the compensated input signals the primary field data for each channel can be evaluated:

$$\text{E-fieldprobes: } E_i = \sqrt{\frac{V_1}{Norm_i \cdot ConvF}}$$

$$\text{H-fieldprobes: } H_i = \sqrt{V_i} \cdot \frac{a_{i0} + a_{i1} f + a_{i2} f^2}{f}$$

V_i	=compensated signal of channel I	(i = x, y, z)
$Norm_i$	=sensor sensitivity of channel i μV/(V/m)2 for E-field Probes	(i = x, y, z)
ConvF	= sensitivity enhancement in solution	
a_{ij}	= sensor sensitivity factors for H-field probes	
F	= carrier frequency [GHz]	
E_i	= electric field strength of channel i in V/m	
H_i	= magnetic field strength of channel i in A/m	

The RSS value of the field components gives the total field strength (Hermitian magnitude):

$$E_{tot} = \sqrt{E_x^2 + E_y^2 + E_z^2}$$

The primary field data are used to calculate the derived field units.

$$SAR = E_{tot}^2 \cdot \frac{\sigma}{\rho \cdot 1'000}$$

SAR	= local specific absorption rate in mW/g
E_{tot}	= total field strength in V/m
σ	= conductivity in [mho/m] or [Siemens/m]
ρ	= equivalent tissue density in g/cm3

Note that the density is set to 1, to account for actual head tissue density rather than the density of the tissue simulating liquid. The entire evaluation of the spatial peak values is performed within the Post-processing engine (SEMCAD). The system always gives the maximum values for the 1g and 10g cubes. The algorithm to find the cube with highest averaged SAR is divided into the following stages:

1. The extraction of the measured data (grid and values) from the Zoom Scan
2. The calculation of the SAR value at every measurement point based on all stored data (A/D values and measurement parameters)
3. The generation of a high-resolution mesh within the measured volume
4. The interpolation of all measured values from the measurement grid to the high-resolution grid
5. The extrapolation of the entire 3-D field distribution to the phantom surface over the distance from sensor to surface
6. The calculation of the averaged SAR within masses of 1g and 10g.

The probe is calibrated at the center of the dipole sensors that is located 1 to 2.7mm away from the probe tip. During measurements, the probe stops shortly above the phantom surface, depending on the probe and the surface detecting system. Both distances are included as parameters in the probe configuration file. The software always knows exactly how far away the measured point is from the surface. As the probe cannot directly measure at the surface, the values between the deepest measured point and the surface must be extrapolated. The angle between the probe axis and the surface normal line is less than 30 degree.

The maximum search is automatically performed after each area scan measurement. It is based on splines in two or three dimensions. The procedure can find the maximum for most SAR distributions even with relatively large grid spacing. After the area scanning measurement, the probe is automatically moved to a position at the interpolated maximum. The following scan can directly use this position for reference, e.g., for a finer resolution grid or the cube evaluations. The 1g and 10g peak evaluations are only available for the predefined cube 7 x 7 x 7 scans. The routines are verified and optimized for the grid dimensions used in these cube measurements. The measured volume of 30 x 30 x 30mm contains about 30g of tissue. The first procedure is an extrapolation (incl. boundary correction) to get the points between the lowest measured plane and the surface. The next step uses 3D interpolation to get all points within the measured volume in a 1mm grid (42875 points). In the last step, a 1g cube is placed numerically into the volume and its averaged SAR is calculated. This cube is the moved around until the highest averaged SAR is found. If the highest SAR is found at the edge of the measured volume, the system will issue a warning: higher SAR values might be found outside of the measured volume. In that case the cube measurement can be repeated, using the new interpolated maximum as the center.

2.6 DESCRIPTION OF SUPPORT UNITS

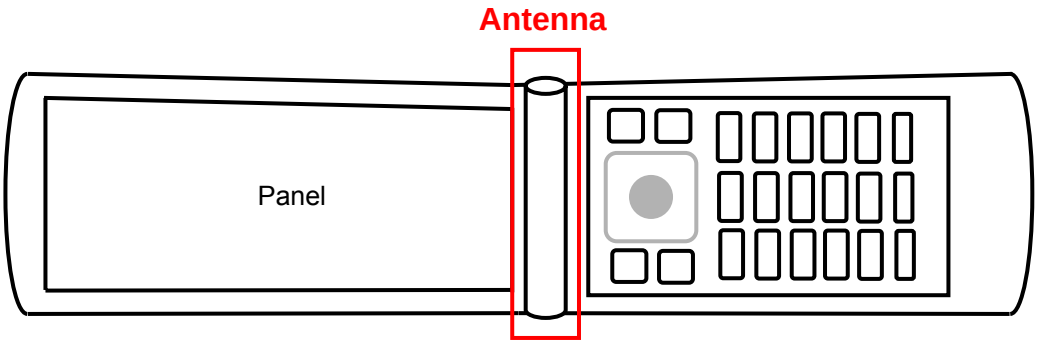
The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	Universal Radio Communication Tester	R&S	CMU200	117260	NA

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	NA

NOTE: All power cords of the above support units are non shielded (1.8m).

3. DESCRIPTION OF ANTENNA LOCATION



4. RECIPES FOR TISSUE SIMULATING LIQUIDS

For the measurement of the field distribution inside the SAM phantom, the phantom must be filled with 25 litters of tissue simulation liquid.

The following are some common ingredients：

- **WATER-** Deionized water (pure H20), resistivity _16 M - as basis for the liquid
- **SUGAR-** Refined sugar in crystals, as available in food shops - to reduce relative permittivity
- **SALT-** Pure NaCl - to increase conductivity
- **CELLULOSE-** Hydroxyethyl-cellulose, medium viscosity (75-125mPa.s, 2% in water, 20_C),
  CAS # 54290 - to increase viscosity and to keep sugar in solution
- **PRESERVATIVE-** Preventol D-7 Bayer AG, D-51368 Leverkusen, CAS # 55965-84-9 - to prevent the spread of bacteria and molds
- **DGMBE-** Diethylenglycol-monobuthyl ether (DGMBE), Fluka Chemie GmbH, CAS # 112-34-5 - to reduce relative permittivity

THE RECIPES FOR 835MHz SIMULATING LIQUID TABLE

INGREDIENT	HEAD SIMULATING LIQUID 835MHz (HSL-835)	MUSCLE SIMULATING LIQUID 835MHz (MSL-835)
Water	40.28%	50.07%
Cellulose	02.41%	NA
Salt	01.38%	0.94%
Preventtol D-7	00.18%	0.09%
Sugar	57.97%	48.2%
Dielectric Parameters at 22℃	f = 835MHz ε= 41.5 ± 5% σ= 0.97 ± 5% S/m	f= 835MHz ε= 55.0 ± 5% σ= 1.05 ± 5% S/m

THE RECIPES FOR 1900MHz SIMULATING LIQUID TABLE

INGREDIENT	HEAD SIMULATING LIQUID 1900MHz (HSL-1900)	MUSCLE SIMULATING LIQUID 1900MHz (MSL-1900)
Water	55.24%	70.16%
DGMBE	44.45%	29.44%
Salt	0.306%	00.39%
Dielectric Parameters at 22℃	f= 1900MHz ε= 40.0 ± 5% σ= 1.40 ± 5% S/m	f= 1900MHz ε= 53.3 ± 5% σ= 1.52 ± 5% S/m

Testing the liquids using the Agilent Network Analyzer E8358A and Agilent Dielectric Probe Kit 85070D.The testing procedure is following as

1. Turn Network Analyzer on and allow at least 30min. warm up.
2. Mount dielectric probe kit so that interconnecting cable to Network Analyzer will not be moved during measurements or calibration.
3. Pour de-ionized water and measure water temperature (±1°).
4. Set water temperature in Agilent-Software (Calibration Setup).
5. Perform calibration.
6. Validate calibration with dielectric material of known properties (e.g. polished ceramic slab with >8mm thickness ε'=10.0, ε''=0.0). If measured parameters do not fit within tolerance, repeat calibration (±0.2 for ε': ±0.1 for ε'').
7. Conductivity can be calculated from ε'' by $\sigma = \omega \varepsilon_0 \varepsilon'' = \varepsilon''$ f [GHz] / 18.
8. Measure liquid shortly after calibration. Repeat calibration every hour.
9. Stir the liquid to be measured. Take a sample (~ 50ml) with a syringe from the center of the liquid container.
10. Pour the liquid into a small glass flask. Hold the syringe at the bottom of the flask to avoid air bubbles.
11. Put the dielectric probe in the glass flask. Check that there are no air bubbles in front of the opening in the dielectric probe kit.
12. Perform measurements.
13. Adjust medium parameters in DASY4 for the frequencies necessary for the measurements (‘Setup Config’, select medium (e.g. Brain 900MHz) and press ‘Option’-button.
14. Select the current medium for the frequency of the validation (e.g. Setup Medium Brain 900MHz).

FOR SIMULATING LIQUID

LIQUID TYPE		HSL-835			
SIMULATING LIQUID TEMP.		22.7			
TEST DATE		Jul. 17, 2010			
TESTED BY		Dylan Chiou			
FREQ. (MHz)	**LIQUID PARAMETER**	**STANDARD VALUE**	**MEASUREMENT VALUE**	**ERROR PERCENTAGE (%)**	**LIMIT(%)**
826.4	Permitivity (ε)	41.50	43.00	3.61	±5
835.0		41.50	43.00	3.61	
836.4		41.50	43.00	3.61	
846.6		41.50	42.80	3.13	
826.4	Conductivity (σ) S/m	0.90	0.91	1.11	
835.0		0.90	0.92	2.22	
836.4		0.90	0.92	2.22	
846.6		0.91	0.94	3.30	

LIQUID TYPE		MSL-835			
SIMULATING LIQUID TEMP.		22.7			
TEST DATE		Jul. 19, 2010			
TESTED BY		Dylan Chiou			
FREQ. (MHz)	**LIQUID PARAMETER**	**STANDARD VALUE**	**MEASUREMENT VALUE**	**ERROR PERCENTAGE (%)**	**LIMIT(%)**
826.4	Permitivity (ε)	55.00	55.80	1.45	±5
835.0		55.20	55.70	0.91	
836.4		55.20	55.70	0.91	
846.6		55.20	55.60	0.72	
826.4	Conductivity (σ) S/m	0.97	0.99	2.06	
835.0		0.97	1.00	3.09	
836.4		0.97	1.00	3.09	
846.6		0.98	1.01	3.06	

LIQUID TYPE		HSL-1900			
SIMULATING LIQUID TEMP.		22.6			
TEST DATE		Jul. 18, 2010			
TESTED BY		Dylan Chiou			
FREQ. (MHz)	LIQUID PARAMETER	STANDARD VALUE	MEASUREMENT VALUE	ERROR PERCENTAGE (%)	LIMIT(%)
1850.2	Permitivity (ε)	40.00	41.80	4.50	±5
1880.0		40.00	41.70	4.25	
1900.0		40.00	41.60	4.00	
1909.8		40.00	41.60	4.00	
1850.2	Conductivity (σ) S/m	1.40	1.34	-4.29	
1880.0		1.40	1.36	-2.86	
1900.0		1.40	1.37	-2.14	
1909.8		1.40	1.38	-1.43	

LIQUID TYPE		HSL-1900			
SIMULATING LIQUID TEMP.		22.7			
TEST DATE		Aug. 08, 2010			
TESTED BY		Match Tsui			
FREQ. (MHz)	LIQUID PARAMETER	STANDARD VALUE	MEASUREMENT VALUE	ERROR PERCENTAGE (%)	LIMIT(%)
1850.2	Permitivity (ε)	40.00	41.70	4.25	±5
1880.0		40.00	41.70	4.25	
1900.0		40.00	41.60	4.00	
1909.8		40.00	41.60	4.00	
1850.2	Conductivity (σ) S/m	1.40	1.35	-3.57	
1880.0		1.40	1.36	-2.86	
1900.0		1.40	1.37	-2.14	
1909.8		1.40	1.38	-1.43	

LIQUID TYPE		MSL-1900			
SIMULATING LIQUID TEMP.		22.6			
TEST DATE		Jul. 20, 2010			
TESTED BY		Dylan Chiou			
FREQ. (MHz)	**LIQUID PARAMETER**	**STANDARD VALUE**	**MEASUREMENT VALUE**	**ERROR PERCENTAGE (%)**	**LIMIT(%)**
1850.2	Permitivity (ε)	53.30	54.00	1.31	±5
1880.0		53.30	54.00	1.31	
1900.0		53.30	54.00	1.31	
1909.8		53.30	54.00	1.31	
1850.2	Conductivity (σ) S/m	1.52	1.53	0.66	
1880.0		1.52	1.56	2.63	
1900.0		1.52	1.58	3.95	
1909.8		1.52	1.55	3.95	

5. SYSTEM VALIDATION

The system validation was performed in the flat phantom with equipment listed in the following table. Since the SAR value is calculated from the measured electric field, dielectric constant and conductivity of the body tissue and the SAR is proportional to the square of the electric field. So, the SAR value will be also proportional to the RF power input to the system validation dipole under the same test environment. In our system validation test, 250mW RF input power was used.

5.1 TEST PROCEDURE

Before the system performance check, we need only to tell the system which components (probe, medium, and device) are used for the system performance check; the system will take care of all parameters. The dipole must be placed beneath the flat section of the SAM Twin Phantom with the correct distance holder in place. The distance holder should touch the phantom surface with a light pressure at the reference marking (little cross) and be oriented parallel to the long side of the phantom. Accurate positioning is not necessary, since the system will search for the peak SAR location, except that the dipole arms should be parallel to the surface. The device holder for mobile phones can be left in place but should be rotated away from the dipole.

1. The ”Power Reference Measurement” and ”Power Drift Measurement” jobs are located at the beginning and end of the batch process. They measure the field drift at one single point in the liquid over the complete procedure. The indicated drift is mainly the variation of the amplifier output power. If it is too high (above ±0.1 dB), the system performance check should be repeated; some amplifiers have very high drift during warm-up. A stable amplifier gives drift results in the DASY system below ±0.02dB.

2. The ”Surface Check” job tests the optical surface detection system of the DASY system by repeatedly detecting the surface with the optical and mechanical surface detector and comparing the results. The output gives the detecting heights of both systems, the difference between the two systems and the standard deviation of the detection repeatability. Air bubbles or refraction in the liquid due to separation of the sugar-water mixture gives poor repeatability (above ±0.1mm). In that case it is better to abort the system performance check and stir the liquid.

3. The ”Area Scan” job measures the SAR above the dipole on a plane parallel to the surface. It is used to locate the approximate location of the peak SAR. The proposed scan uses large grid spacing for faster measurement; due to the symmetric field, the peak detection is reliable. If a finer graphic is desired, the grid spacing can be reduced. Grid spacing and orientation have no influence on the SAR result.

4. The ”Zoom Scan” job measures the field in a volume around the peak SAR value assessed in the previous ”Area Scan” job (for more information see the application note on SAR evaluation).

About the validation dipole positioning uncertainty, the constant and low loss dielectric spacer is used to establish the correct distance between the top surface of the dipole and the bottom surface of the phantom, the error component introduced by the uncertainty of the distance between the liquid (i.e., phantom shell) and the validation dipole in the DASY4 system is less than ±0.1mm.

$$SAR_{tolerance}[\%] = 100 \times (\frac{(a+d)^2}{a^2} - 1)$$

As the closest distance is 10mm, the resulting tolerance $SAR_{tolerance}$[%] is <2%.

5.2 VALIDATION RESULTS

SYSTEM VALIDATION TEST OF SIMULATING LIQUID					
FREQUENCY (MHz)	**REQUIRED SAR (mW/g)**	**MEASURED SAR (mW/g)**	**DEVIATION (%)**	**SEPARATION DISTANCE**	**TESTED DATE**
HSL 850	2.37 (1g)	2.34	-1.27	15mm	Jul. 17, 2010
MSL 850	2.52 (1g)	2.43	-3.57	15mm	Jul. 19, 2010
HSL 1900	10.00 (1g)	10.40	4.00	10mm	Jul. 18, 2010
HSL 1900	10.00 (1g)	9.49	-5.10	10mm	Aug. 08, 2010
MSL 1900	10.30 (1g)	10.50	1.94	10mm	Jul. 20, 2010

NOTE: Please see Appendix for the photo of system validation test.

5.3 SYSTEM VALIDATION UNCERTAINTIES

In the table below, the system validation uncertainty with respect to the analytically assessed SAR value of a dipole source as given in the IEEE 1528 standard is given. This uncertainty is smaller than the expected uncertainty for mobile phone measurements due to the simplified setup and the symmetric field distribution.

Error Description	Tolerance (±%)	Probability Distribution	Divisor	(C_i)		Standard Uncertainty (±%)		(v_i)
				(1g)	(10g)	(1g)	(10g)	
Measurement System								
Probe Calibration	5.50	Normal	1	1	1	5.50	5.50	∞
Axial Isotropy	0.25	Rectangular	√3	0.7	0.7	0.10	0.10	∞
Hemispherical Isotropy	1.30	Rectangular	√3	0.7	0.7	0.53	0.53	∞
Boundary effects	1.00	Rectangular	√3	1	1	0.58	0.58	∞
Linearity	0.30	Rectangular	√3	1	1	0.17	0.17	∞
System Detection Limits	1.00	Rectangular	√3	1	1	0.58	0.58	∞
Readout Electronics	0.30	Normal	1	1	1	0.30	0.30	∞
Response Time	0.80	Rectangular	√3	1	1	0.46	0.46	∞
Integration Time	2.60	Rectangular	√3	1	1	1.50	1.50	∞
RF Ambient Noise	3.00	Rectangular	√3	1	1	1.73	1.73	9
RF Ambient Reflections	3.00	Rectangular	√3	1	1	1.73	1.73	9
Probe Positioner	0.40	Rectangular	√3	1	1	0.23	0.23	∞
Probe Positioning	2.90	Rectangular	√3	1	1	1.67	1.67	∞
Max. SAR Eval.	1.00	Rectangular	√3	1	1	0.58	0.58	∞
Test sample related								
Sample positioning	1.90	Normal	1	1	1	1.90	1.90	4
Device holder uncertainty	2.80	Normal	1	1	1	2.80	2.80	4
Output power variation-SAR drift measrurement	-2.28	Rectangular	√3	1	1	-1.32	-1.32	1
Dipole Related								
Dipole Axis to Liquid Distance	1.60	Rectangular	√3	1	1	0.92	0.92	4
Input Power Drift	3.40	Rectangular	√3	1	1	1.96	1.96	1
Phantom and Tissue parameters								
Phantom Uncertainty	4.00	Rectangular	√3	1	1	2.31	2.31	∞
Liquid Conductivity (target)	5.00	Rectangular	√3	0.64	0.43	1.85	1.24	∞
Liquid Conductivity (measurement)	4.29	Normal	1	0.64	0.43	2.75	1.84	9
Liquid Permittivity (target)	5.00	Rectangular	√3	0.6	0.49	1.73	1.41	∞
Liquid Permittivity (measurement)	4.50	Normal	1	0.6	0.49	2.70	2.21	9
Combined Standard Uncertainty						**9.35**	**8.83**	
Coverage Factor for 95%						**Kp=2**		
Expanded Uncertainty (K=2)						**18.70**	**17.66**	

NOTE: About the system validation uncertainty assessment, please reference the section 7.

6. TEST RESULTS

6.1 TEST PROCEDURES

The EUT makes a phone call to the communication simulator station. Establish the simulation communication configuration rather the actual communication. Then the EUT could continuous the transmission mode. Adjust the PCL of the base station could controlled the EUT to transmitted the maximum output power. The base station also could control the transmission channel. The SAR value was calculated via the 3D spline interpolation algorithm that has been implemented in the software of DASY4 SAR measurement system manufactured and calibrated by SPEAG. According to the IEEE 1528 / EN 62209-1, the recommended procedure for assessing the peak spatial-average SAR value consists of the following steps:

- Power reference measurement
- Verification of the power reference measurement
- Area scan
- Zoom scan
- Power reference measurement

The area scan was performed for the highest spatial SAR location. The zoom scan with 30mm x 30mm x 30mm volume was performed for SAR value averaged over 1g and 10g spatial volumes.

In the zoom scan, the distance between the measurement point at the probe sensor location (geometric center behind the probe tip) and the phantom surface is 3mm and maintained at a constant distance of ±0.5mm during a zoom scan to determine peak SAR locations. The distance is 3mm between the first measurement point and the bottom surface of the phantom. The secondary measurement point to the bottom surface of the phantom is with 8mm separation distance. The cube size is 7 x 7 x 7 points consists of 343 points and the grid space is 5mm.

The measurement time is 0.5s at each point of the zoom scan. The probe boundary effect compensation shall be applied during the SAR test. Because of the tip of the probe to the Phantom surface separated distances are longer than half a tip probe diameter.

In the area scan, the separation distance is 3mm between the each measurement point and the phantom surface. The scan size shall be included the transmission portion of the EUT. The measurement time is the same as the zoom scan. At last the reference power drift shall be less than ±5%.

6.2 DESCRIPTION OF TEST CONDITION

TEST DATE	TISSUE TYPE / FREQ.	TEMPERATURE (°C)		HUMIDITY (%RH)	TESTED BY
		AIMBENT	LIQUID		
Jul. 17, 2010	HSL835	23.0	22.7	61	Dylan Chiou
Jul. 18, 2010	HSL1900	22.8	22.6	62	Dylan Chiou
Jul. 19, 2010	MSL835	23.0	22.7	61	Dylan Chiou
Jul. 20, 2010	MSL1900	22.8	22.6	62	Dylan Chiou
Aug. 08, 2010	HSL1900	23.5	22.7	62	Match Tsui

6.3 MEASURED SAR RESULT

SAR (1g)				
HEAD	RIGHT		LEFT	
CHANNEL	CHEEK	TILT	CHEEK	TILT
WCDMA 850				
CH 4132: 826.4MHz	0.168	0.236	**0.492**	0.225
CH 4182: 836.4MHz	0.302	0.235	0.469	0.234
CH 4233: 846.6MHz	0.245	0.202	0.377	0.204
SAR (1g)				
HEAD	RIGHT		LEFT	
CHANNEL	CHEEK (BODY)	TILT	CHEEK	TILT
PCS 1900				
CH 512: 1850.2MHz	0.380	0.083	0.206	0.119
CH 661: 1880.0MHz	0.386	0.094	0.214	0.121
CH 810: 1909.8MHz	**0.423**	0.109	0.219	0.124

NOTE:

1. SAR test of Right head cheek position is measured at body position instead of Right head cheek. Since the cube can not be scanned completely at Right head cheek. This method is accepted by FCC. Please refer to tracking no.:343451
2. Highest output power of WLAN is 15.14mW less than 60mW / F(GHz) , SAR evaluation is not required.
3. In this testing, the limit for General Population Spatial Peak averaged over 1g, 1.6 W/kg, is applied.
4. Please see the Appendix A for the data.
5. The variation of the EUT conducted power measured before and after SAR testing should not over 5%.

SAR (1g)-15mm				
BODY	PANEL INSIDE		PANEL OUTSIDE	
CHANNEL	FRONT	BOTTOM	FRONT	BOTTOM
WCDMA 850				
CH 4132: 826.4MHz		0.249		0.310
CH 4182: 836.4MHz	0.172	**0.453**	0.209	0.387
CH 4233: 846.6MHz		0.380		0.364
WCDMA 850 HSDPA				
CH 4132: 826.4MHz		0.194		0.303
CH 4182: 836.4MHz	0.143	0.367	0.201	0.360
CH 4233: 846.6MHz		0.310		0.336
WCDMA 850 HSUPA				
CH 4132: 826.4MHz		0.294		0.354
CH 4182: 836.4MHz	0.199	0.380	0.189	0.439
CH 4233: 846.6MHz		0.338		0.393
PCS 1900				
CH 512: 1850.2MHz		0.321		0.358
CH 661: 1880.0MHz	0.116	0.325	0.115	0.369
CH 810: 1909.8MHz		0.355		**0.409**
GPRS 1900 TS1				
CH 512: 1850.2MHz		0.321		0.319
CH 661: 1880.0MHz	0.116	0.318	0.111	0.328
CH 810: 1909.8MHz		0.350		0.358

NOTE:
1. In this testing, the limit for General Population Spatial Peak averaged over 1g, 1.6 W/kg, is applied.
2. Please see the Appendix A for the data.
3. The variation of the EUT conducted power measured before and after SAR testing should not over 5%.
4. Per DA-02-1438A1, when 1-g SAR for the middle channel is less than 0.8 W/kg, testing for the other channels is not required

6.4 SAR LIMITS

HUMAN EXPOSURE	SAR (W/kg)	
	(GENERAL POPULATION / UNCONTROLLED EXPOSURE ENVIRONMENT)	(OCCUPATIONAL / CONTROLLED EXPOSURE ENVIRONMENT)
Spatial Peak (averaged over 1 g)	**1.6**	8.0

NOTE:

1. This limits accord to 47 CFR 2.1093 – Safety Limit.
2. The EUT property been complied with the partial body exposure limit under the general population environment.

7. INFORMATION ON THE TESTING LABORATORIES

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

Copies of accreditation certificates of our laboratories obtained from approval agencies can be downloaded from our web site: www.adt.com.tw/index.5/phtml. If you have any comments, please feel free to contact us at the following:

Linko EMC/RF Lab:
Tel: 886-2-26052180
Fax: 886-2-26051924

Hsin Chu EMC/RF Lab:
Tel: 886-3-5935343
Fax: 886-3-5935342

Hwa Ya EMC/RF/Safety/Telecom Lab:
Tel: 886-3-3183232
Fax: 886-3-3185050
Web Site: www.adt.com.tw

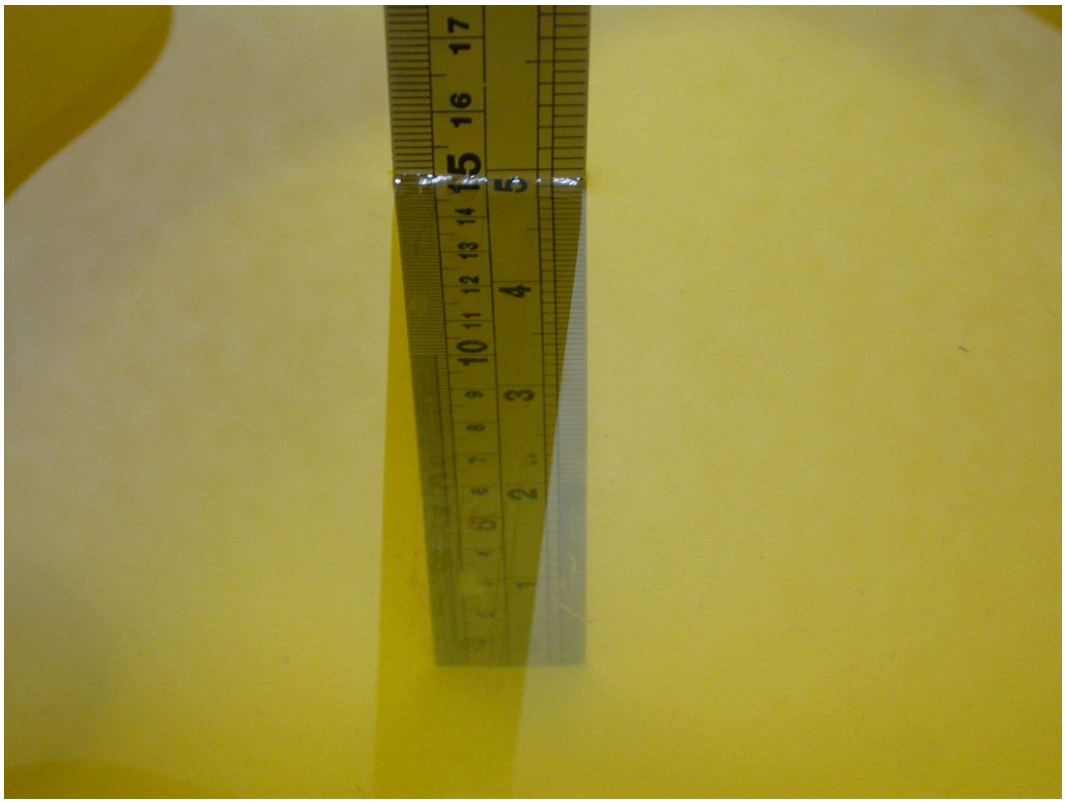
The address and road map of all our labs can be found in our web site also.

---END---

APPENDIX A: TEST DATA

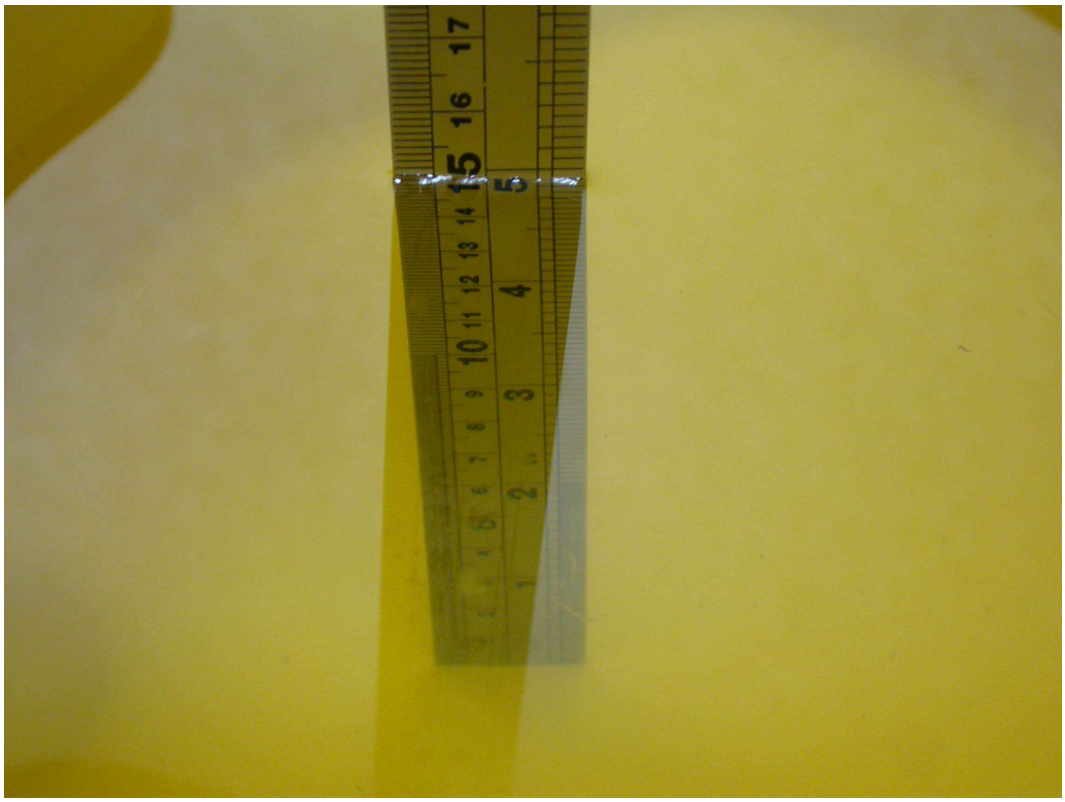
Liquid Level Photo

HSL 835MHz D=151mm

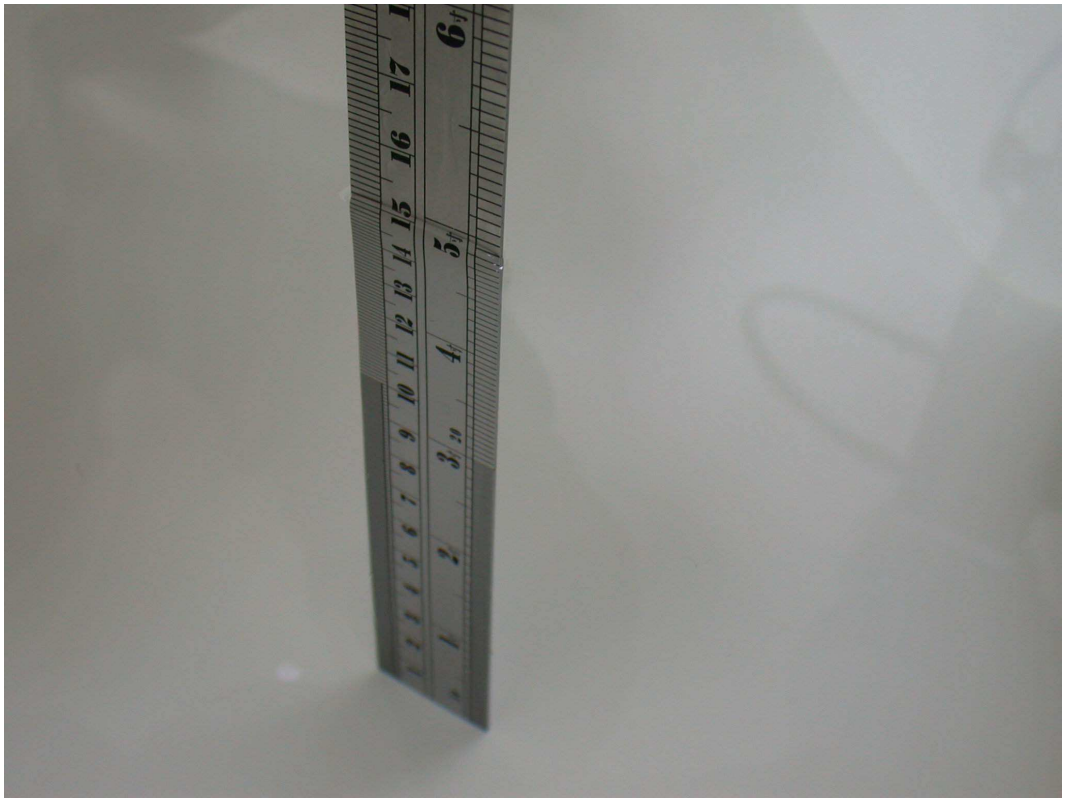


HSL 1900MHz D=150mm

MSL 835MHz D=151mm



MSL 1900MHz D=151mm



Date/Time: 2010/7/17 09:39:15

Test Laboratory: Bureau Veritas ADT

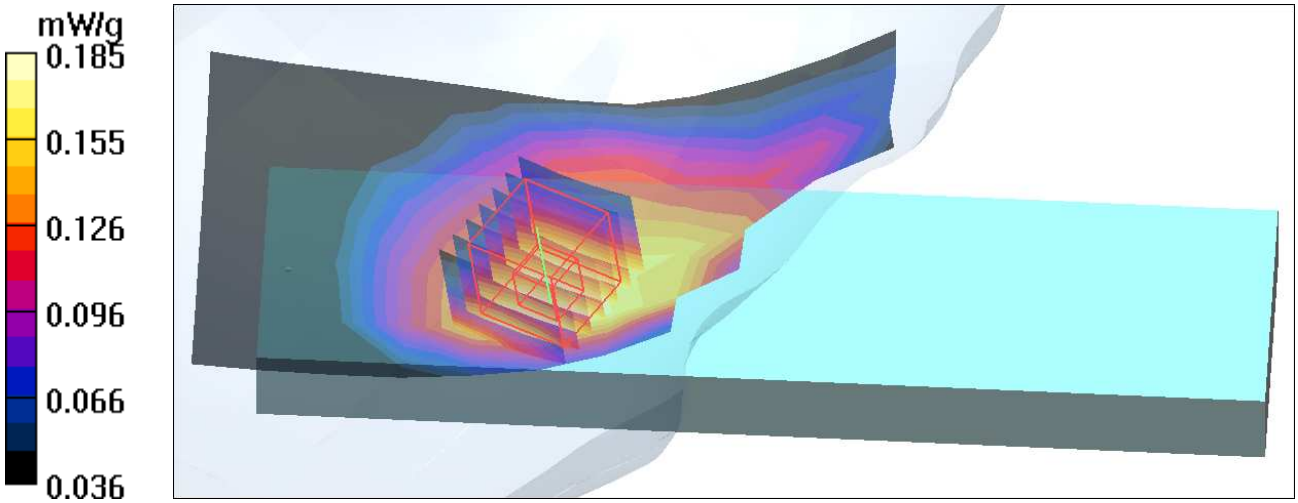
M01-Right Head Cheek WCDMA850 Ch4132

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 826.4 MHz ; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 826.4 MHz; σ = 0.91 mho/m; ε_r = 43; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: BPSK

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.25, 10.25, 10.25) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 4132/Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.182 mW/g

Mid Channel 4132/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 5.05 V/m; Power Drift = 0.159 dB
Peak SAR (extrapolated) = 0.220 W/kg
SAR(1 g) = 0.168 mW/g; SAR(10 g) = 0.126 mW/g
Maximum value of SAR (measured) = 0.185 mW/g



Date/Time: 2010/7/17 10:29:18

Test Laboratory: Bureau Veritas ADT

M01-Right Head Cheek WCDMA850 Ch4182

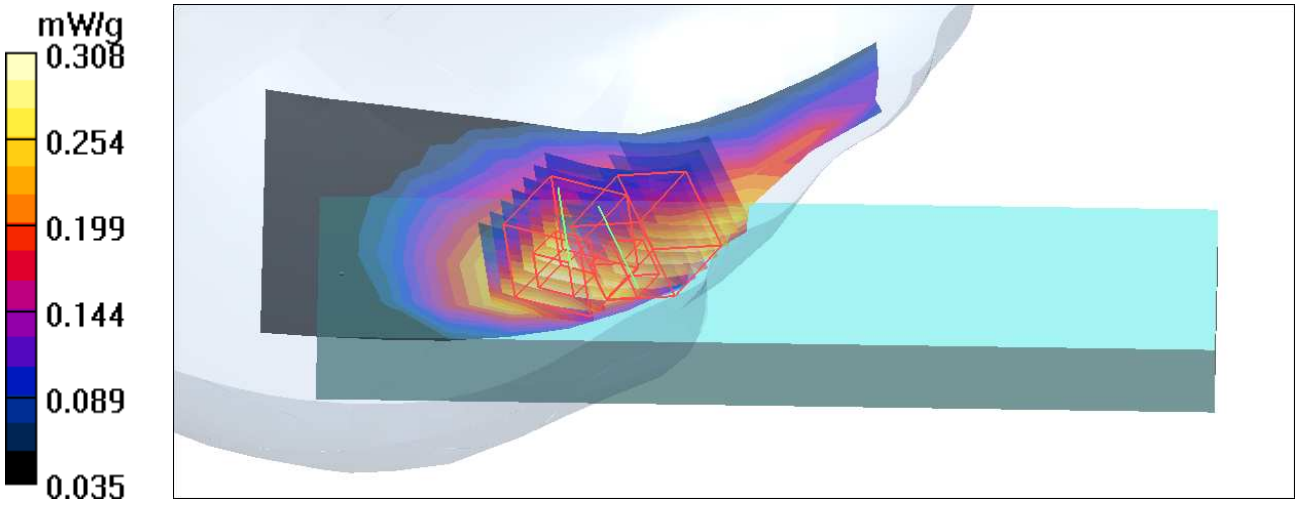
DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 836.4 MHz ; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 836.4 MHz; σ = 0.92 mho/m; ε_r = 43; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: BPSK

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.25, 10.25, 10.25) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 4182/Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.350 mW/g

Mid Channel 4182/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 7.48 V/m; Power Drift = -0.126 dB
Peak SAR (extrapolated) = 0.405 W/kg
SAR(1 g) = 0.302 mW/g; SAR(10 g) = 0.226 mW/g
Maximum value of SAR (measured) = 0.334 mW/g

Mid Channel 4182/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 7.48 V/m; Power Drift = -0.126 dB
Peak SAR (extrapolated) = 0.367 W/kg
SAR(1 g) = 0.260 mW/g; SAR(10 g) = 0.183 mW/g
Maximum value of SAR (measured) = 0.308 mW/g



Date/Time: 2010/7/17 11:10:54

Test Laboratory: Bureau Veritas ADT

M01-Right Head Cheek WCDMA850 Ch4233

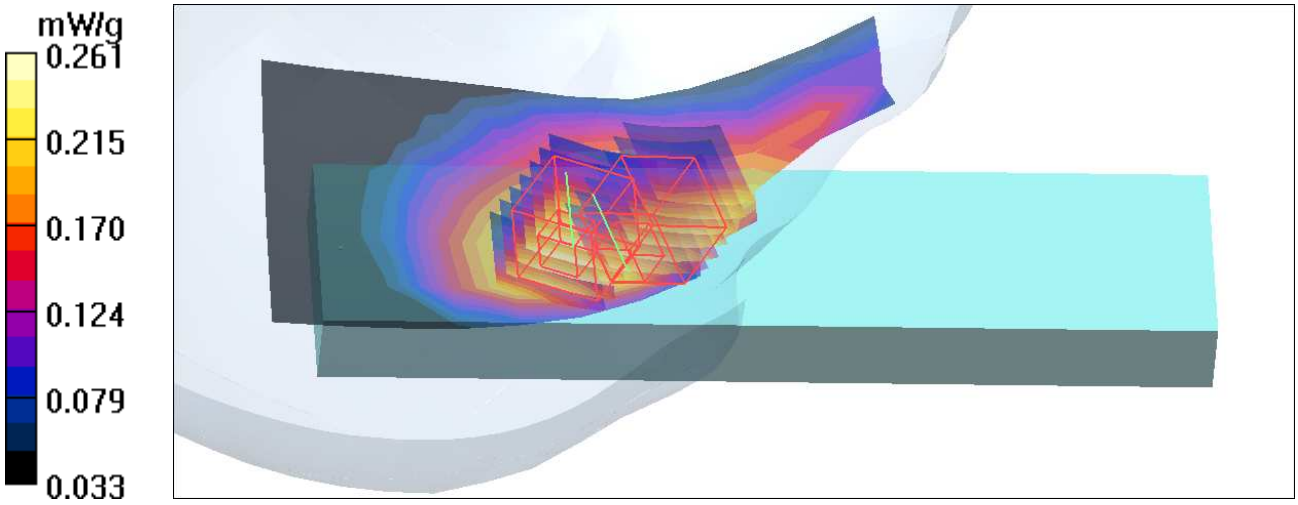
DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 846.6 MHz ; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used : f = 846.6 MHz; σ = 0.94 mho/m; ε_r = 42.8; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: BPSK

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.25, 10.25, 10.25) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 4233/Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.270 mW/g

Mid Channel 4233/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 6.19 V/m; Power Drift = -0.019 dB
Peak SAR (extrapolated) = 0.327 W/kg
SAR(1 g) = 0.245 mW/g; SAR(10 g) = 0.183 mW/g
Maximum value of SAR (measured) = 0.274 mW/g

Mid Channel 4233/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 6.19 V/m; Power Drift = -0.019 dB
Peak SAR (extrapolated) = 0.311 W/kg
SAR(1 g) = 0.229 mW/g; SAR(10 g) = 0.167 mW/g
Maximum value of SAR (measured) = 0.261 mW/g



Date/Time: 2010/7/17 12:04:12

Test Laboratory: Bureau Veritas ADT

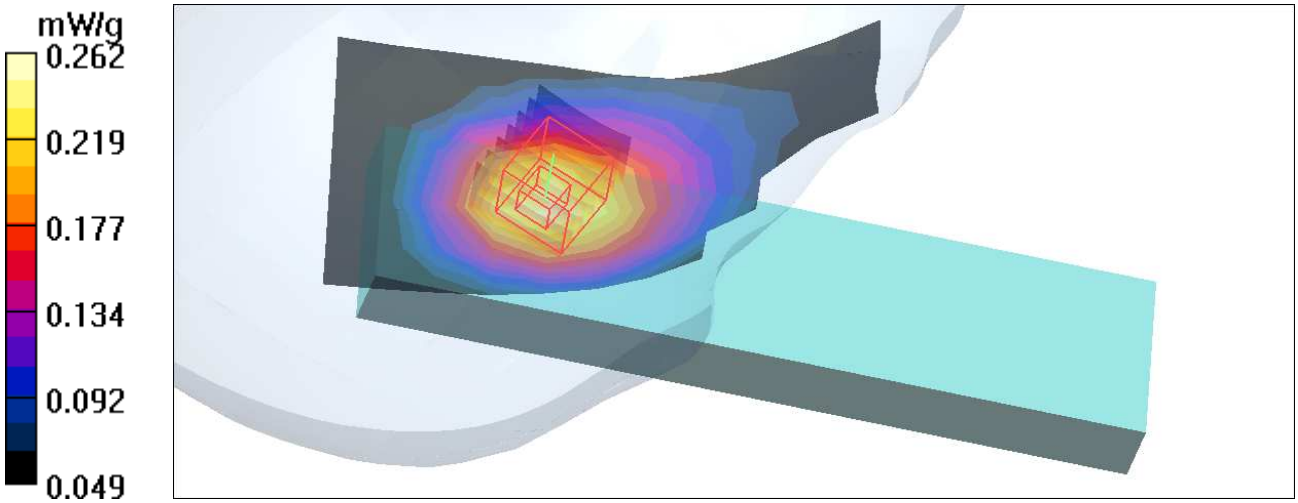
M02-Right Head Tilt WCDMA850 Ch4132

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 826.4 MHz ; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 826.4 MHz; σ = 0.91 mho/m; ε_r = 43; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Tilt ; Modulation type: BPSK

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.25, 10.25, 10.25) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 4132/Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.255 mW/g

Mid Channel 4132/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 9.40 V/m; Power Drift = -0.122 dB
Peak SAR (extrapolated) = 0.314 W/kg
SAR(1 g) = 0.236 mW/g; SAR(10 g) = 0.175 mW/g
Maximum value of SAR (measured) = 0.262 mW/g



Date/Time: 2010/7/17 13:42:36

Test Laboratory: Bureau Veritas ADT

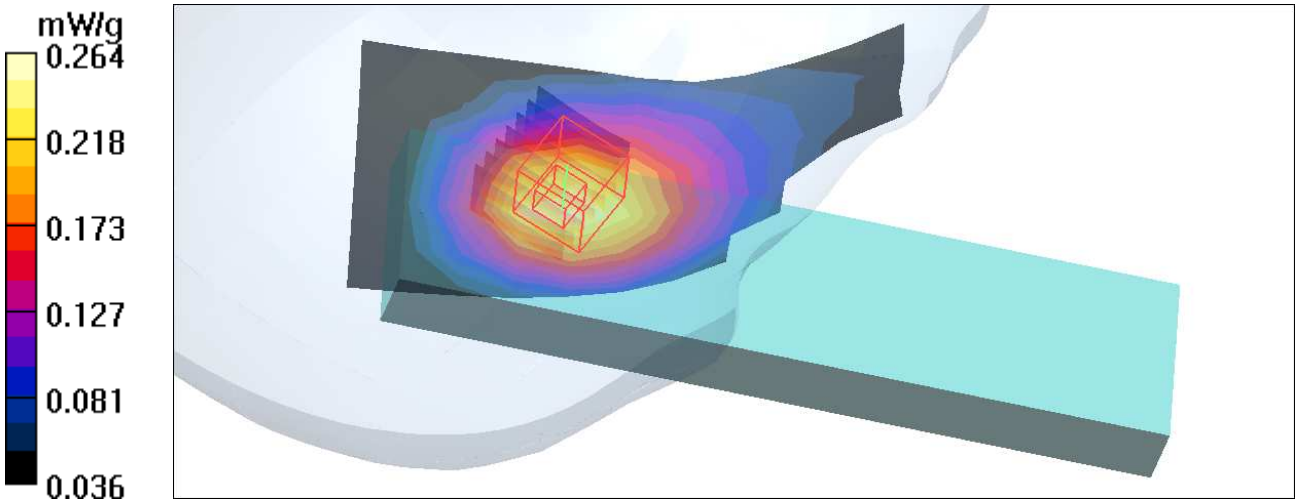
M02-Right Head Tilt WCDMA850 Ch4182

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 836.4 MHz ; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 836.4 MHz; σ = 0.92 mho/m; ε_r = 43; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Tilt ; Modulation type: BPSK

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.25, 10.25, 10.25) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 4182/Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.254 mW/g

Mid Channel 4182/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 9.33 V/m; Power Drift = -0.135 dB
Peak SAR (extrapolated) = 0.314 W/kg
SAR(1 g) = 0.235 mW/g; SAR(10 g) = 0.173 mW/g
Maximum value of SAR (measured) = 0.264 mW/g



Date/Time: 2010/7/17 14:26:46

Test Laboratory: Bureau Veritas ADT

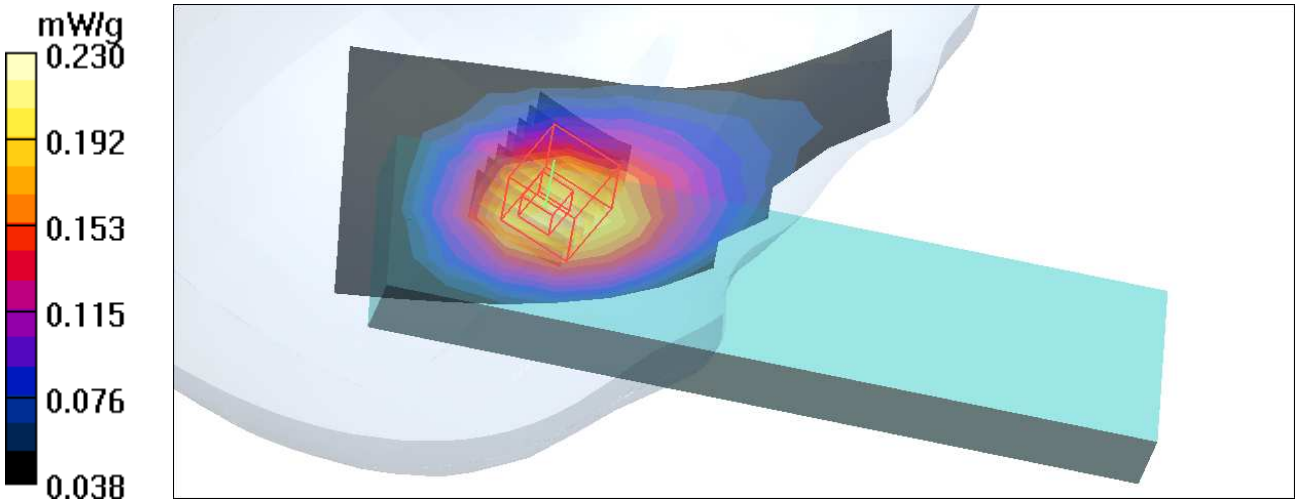
M02-Right Head Tilt WCDMA850 Ch4233

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 846.6 MHz ; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used : f = 846.6 MHz; σ = 0.94 mho/m; ε_r = 42.8; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Tilt ; Modulation type: BPSK

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.25, 10.25, 10.25) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 4233/Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.219 mW/g

Mid Channel 4233/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 8.52 V/m; Power Drift = 0.034 dB
Peak SAR (extrapolated) = 0.272 W/kg
SAR(1 g) = 0.202 mW/g; SAR(10 g) = 0.147 mW/g
Maximum value of SAR (measured) = 0.230 mW/g



Date/Time: 2010/7/17 15:04:52

Test Laboratory: Bureau Veritas ADT

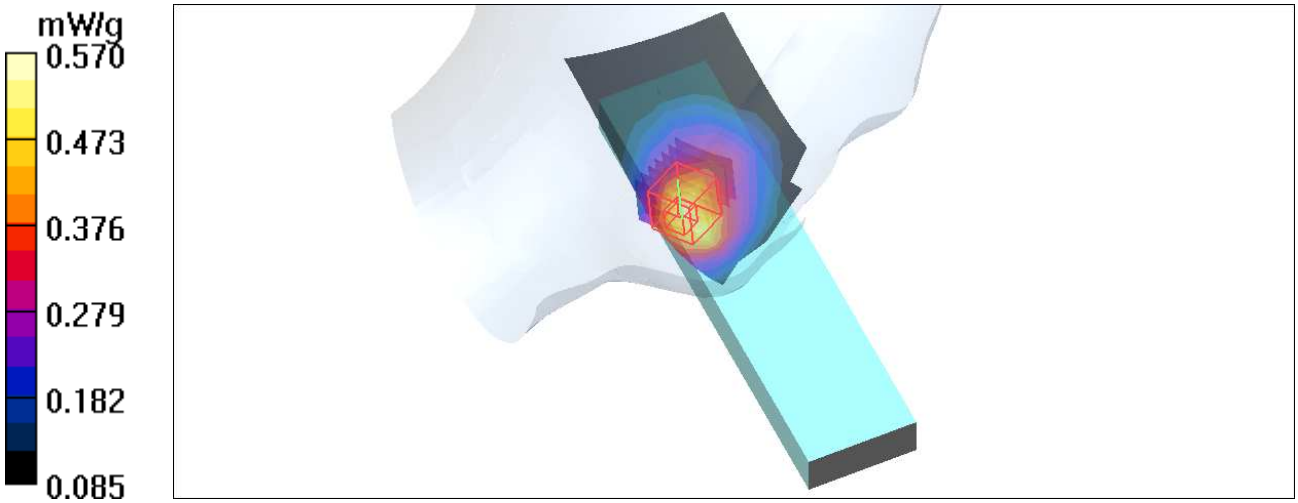
M03-Left Head Cheek WCDMA850 Ch4132

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 826.4 MHz ; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 826.4 MHz; σ = 0.91 mho/m; ε_r = 43; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: BPSK

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.25, 10.25, 10.25) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 4132/Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.554 mW/g

Mid Channel 4132/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 7.63 V/m; Power Drift = 0.128 dB
Peak SAR (extrapolated) = 0.734 W/kg
SAR(1 g) = 0.492 mW/g; SAR(10 g) = 0.338 mW/g
Maximum value of SAR (measured) = 0.570 mW/g



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Test Laboratory: Bureau Veritas ADT

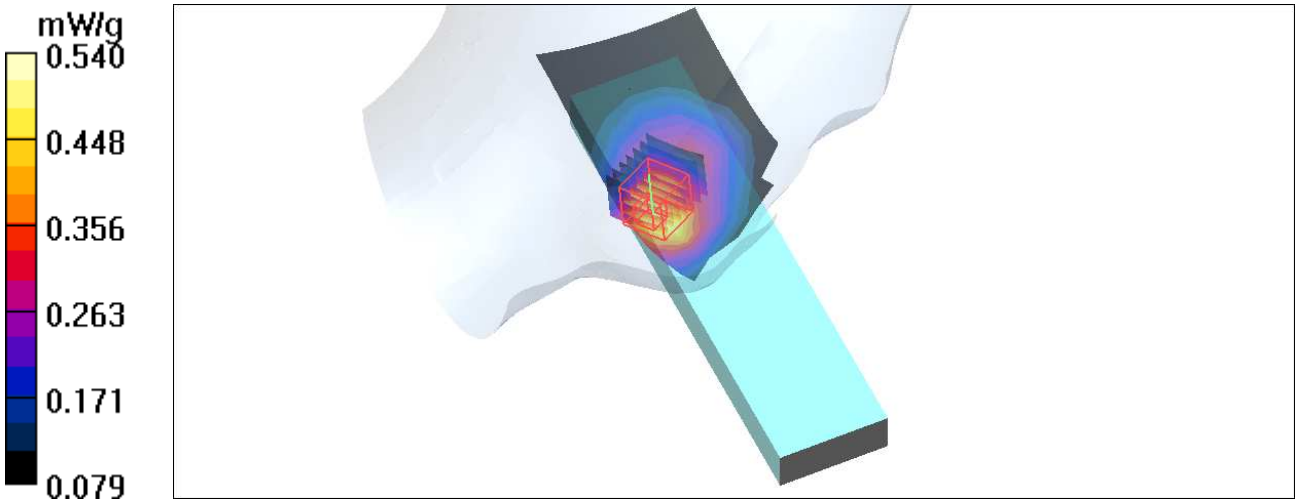
M03-Left Head Cheek WCDMA850 Ch4182

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 836.4 MHz ; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 836.4 MHz; σ = 0.92 mho/m; ε_r = 43; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: BPSK

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.25, 10.25, 10.25) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 4182/Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.524 mW/g

Mid Channel 4182/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 7.98 V/m; Power Drift = -0.117 dB
Peak SAR (extrapolated) = 0.706 W/kg
SAR(1 g) = 0.469 mW/g; SAR(10 g) = 0.319 mW/g
Maximum value of SAR (measured) = 0.540 mW/g



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Test Laboratory: Bureau Veritas ADT

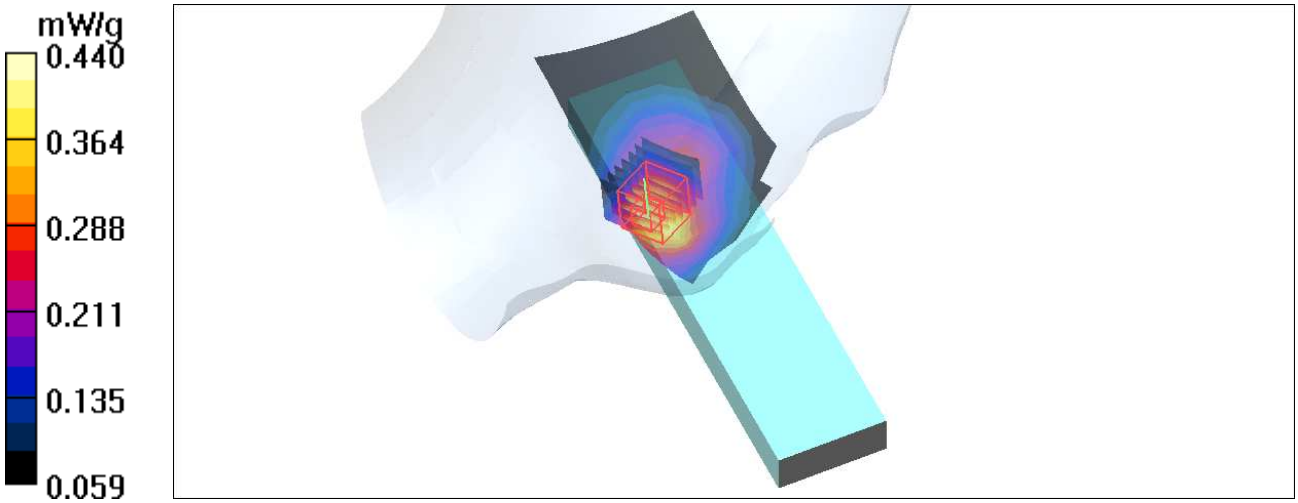
M03-Left Head Cheek WCDMA850 Ch4233

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 846.6 MHz ; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used : f = 846.6 MHz; σ = 0.94 mho/m; ε_r = 42.8; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: BPSK

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.25, 10.25, 10.25) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 4233/Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.416 mW/g

Mid Channel 4233/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 7.50 V/m; Power Drift = 0.056 dB
Peak SAR (extrapolated) = 0.583 W/kg
SAR(1 g) = 0.377 mW/g; SAR(10 g) = 0.254 mW/g
Maximum value of SAR (measured) = 0.440 mW/g



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Test Laboratory: Bureau Veritas ADT

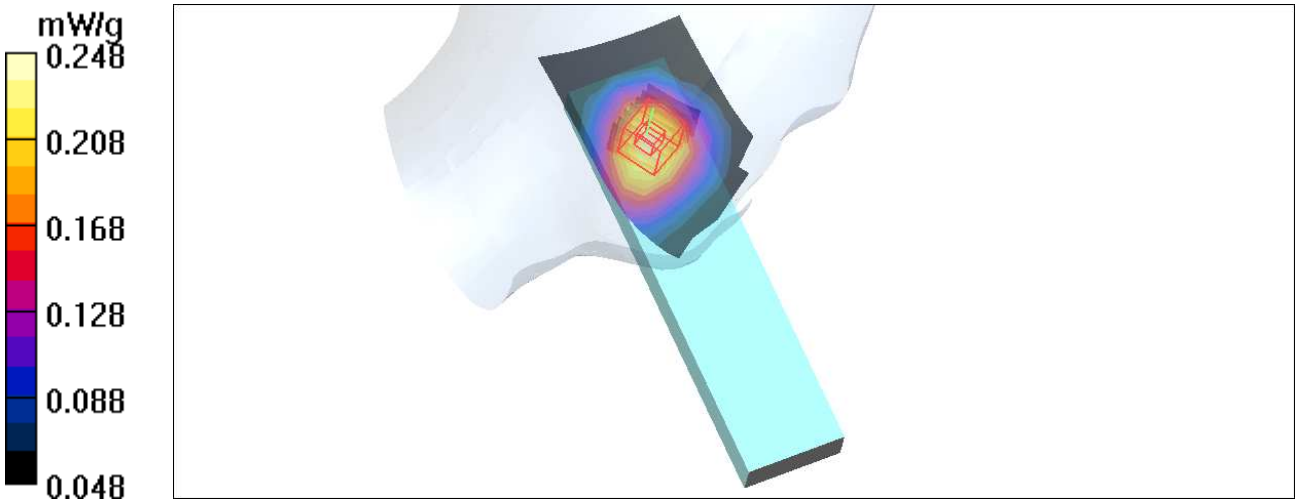
M04 Left Head Tilt WCDMA850 Ch4132

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 826.4 MHz ; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 826.4 MHz; σ = 0.91 mho/m; ε_r = 43; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: BPSK

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.25, 10.25, 10.25) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 4132/Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.249 mW/g

Mid Channel 4132/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 8.53 V/m; Power Drift = -0.061 dB
Peak SAR (extrapolated) = 0.295 W/kg
SAR(1 g) = 0.225 mW/g; SAR(10 g) = 0.167 mW/g
Maximum value of SAR (measured) = 0.248 mW/g



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Test Laboratory: Bureau Veritas ADT

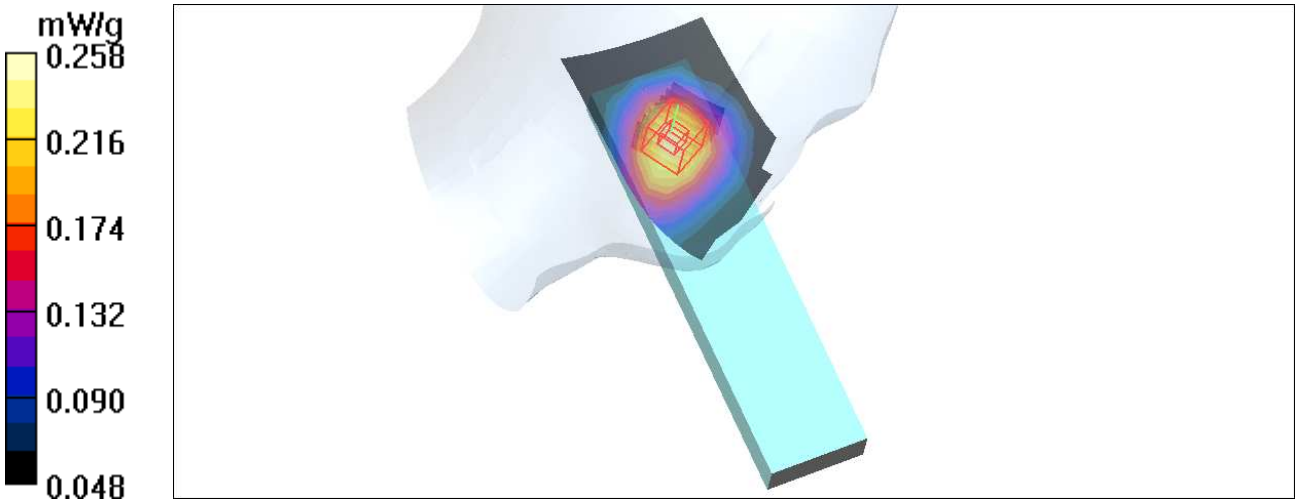
M04-Left Head Tilt WCDMA850 Ch4182

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 836.4 MHz ; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 836.4 MHz; σ = 0.92 mho/m; ε_r = 43; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: BPSK

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.25, 10.25, 10.25) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 4182/Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.260 mW/g

Mid Channel 4182/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 8.76 V/m; Power Drift = 0.032 dB
Peak SAR (extrapolated) = 0.309 W/kg
SAR(1 g) = 0.234 mW/g; SAR(10 g) = 0.173 mW/g
Maximum value of SAR (measured) = 0.258 mW/g



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Test Laboratory: Bureau Veritas ADT

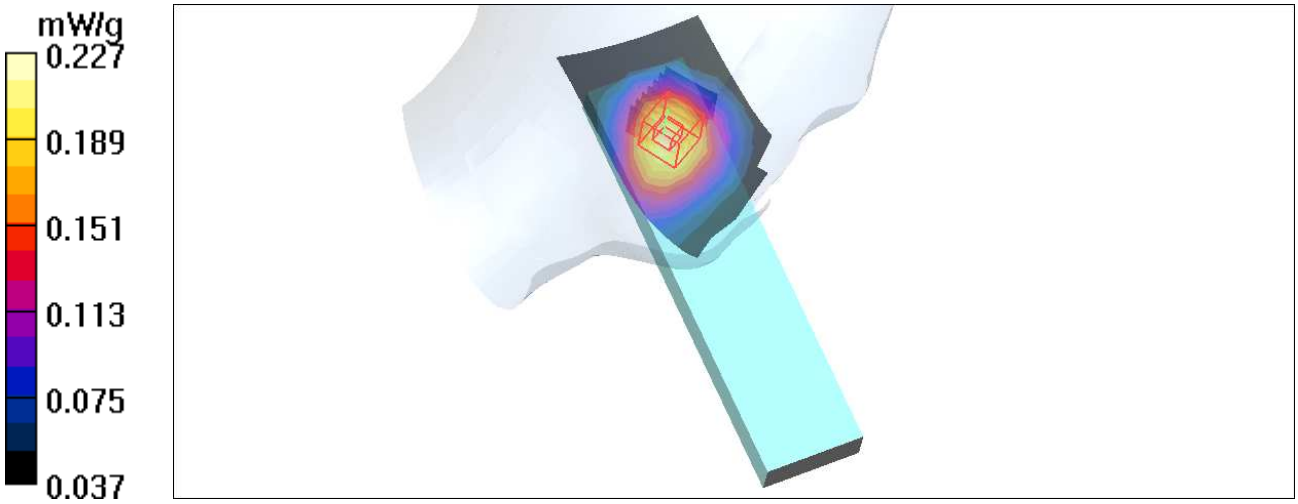
M04-Left Head Tilt WCDMA850 Ch4233

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 846.6 MHz ; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used (extrapolated): f = 846.6 MHz; σ = 0.94 mho/m; ε_r = 42.8; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: BPSK

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.25, 10.25, 10.25) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 4233/Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.225 mW/g

Mid Channel 4233/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 8.69 V/m; Power Drift = -0.110 dB
Peak SAR (extrapolated) = 0.271 W/kg
SAR(1 g) = 0.204 mW/g; SAR(10 g) = 0.150 mW/g
Maximum value of SAR (measured) = 0.227 mW/g



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Test Laboratory: Bureau Veritas ADT

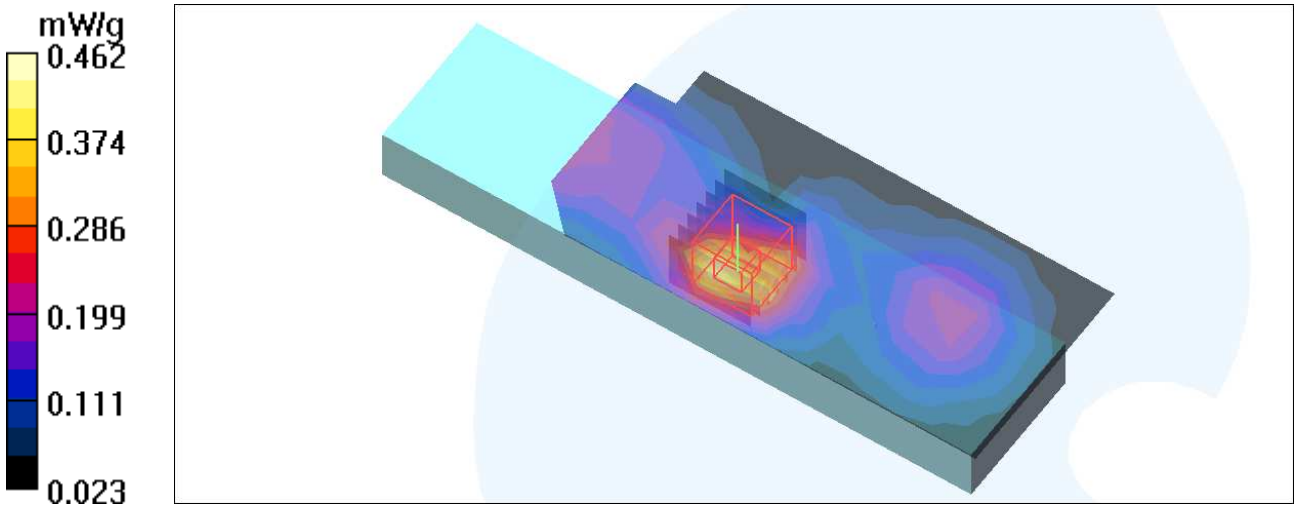
M05-Right Head Cheek PCS-1900 (Phantom to Flat) -Ch512

DUT: Mobile Phone ; Type: F-01C
Communication System: PCS 1900 ; Frequency: 1850.2 MHz ; Duty Cycle: 1:8.3
Medium: HSL1900 Medium parameters used: f = 1850.2 MHz; σ = 1.35 mho/m; ε_r = 41.7; ρ = 1000 kg/m^3
Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK
Separation Distance : 10 mm (The Front side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2010/1/22
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80 ; Postprocessing SW: SEMCAD, V1.8 Build 186

Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.432 mW/g

Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 9.54 V/m; Power Drift = -0.007 dB
Peak SAR (extrapolated) = 0.644 W/kg
SAR(1 g) = 0.380 mW/g; SAR(10 g) = 0.221 mW/g
Maximum value of SAR (measured) = 0.462 mW/g



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Test Laboratory: Bureau Veritas ADT

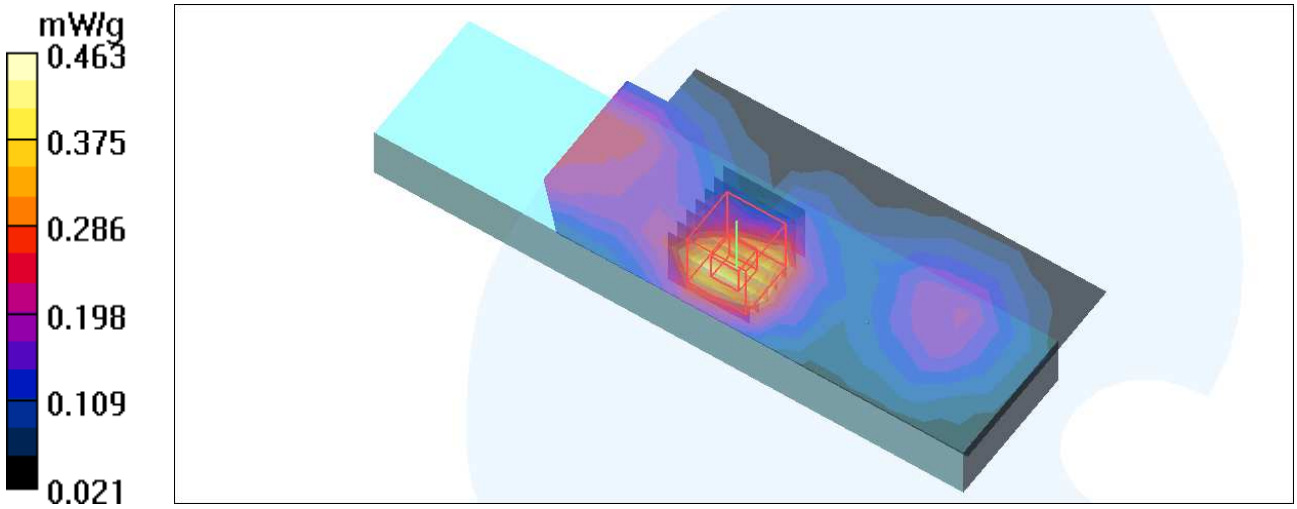
M05-Right Head Cheek PCS-1900(Phantom to Flat)-Ch661

DUT: Mobile Phone ; Type: F-01C
Communication System: PCS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:8.3
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.36 mho/m; ε_r = 41.7; ρ = 1000 kg/m^3
Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK
Separation Distance : 10 mm (The Front side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2010/1/22
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80 ; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 661/Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.421 mW/g

Mid Channel 661/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 8.63 V/m; Power Drift = 0.021 dB
Peak SAR (extrapolated) = 0.636 W/kg
SAR(1 g) = 0.386 mW/g; SAR(10 g) = 0.225 mW/g
Maximum value of SAR (measured) = 0.463 mW/g



Date/Time: 2010/8/8 02:49:22

Test Laboratory: Bureau Veritas ADT

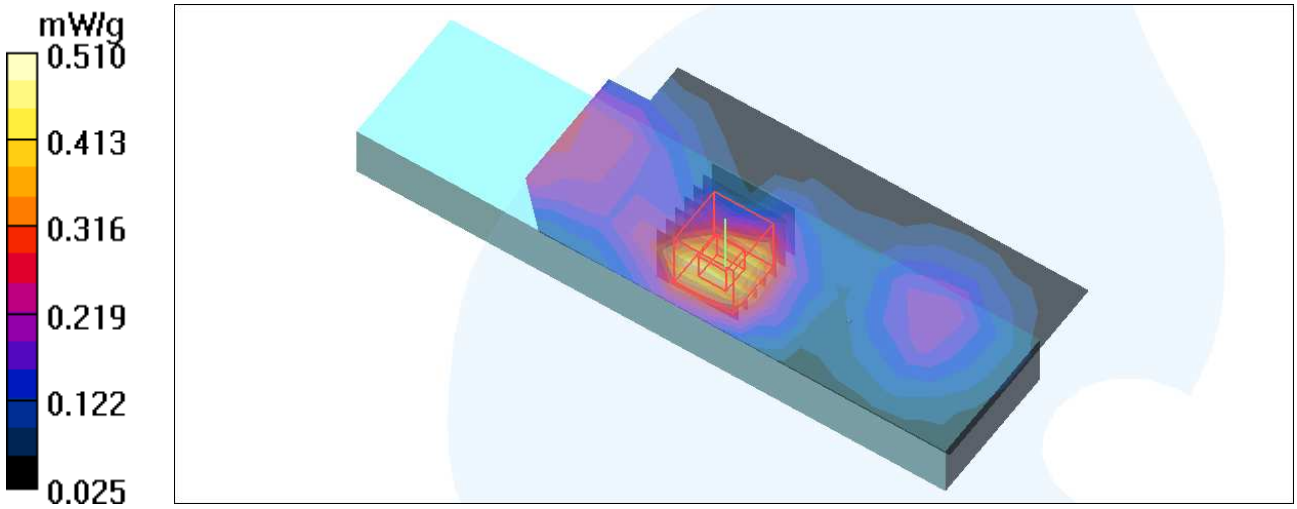
M05-Right Head Cheek PCS-1900(Phantom to Flat)-Ch810

DUT: Mobile Phone ; Type: F-01C
Communication System: PCS 1900 ; Frequency: 1909.8 MHz ; Duty Cycle: 1:8.3
Medium: HSL1900 Medium parameters used: f = 1909.8 MHz; σ = 1.38 mho/m; ε_r = 41.6; ρ = 1000 kg/m^3
Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK
Separation Distance : 10 mm (The Bottom side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2010/1/22
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80 ; Postprocessing SW: SEMCAD, V1.8 Build 186

Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.450 mW/g

Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 8.28 V/m; Power Drift = 0.034 dB
Peak SAR (extrapolated) = 0.703 W/kg
SAR(1 g) = 0.423 mW/g; SAR(10 g) = 0.247 mW/g
Maximum value of SAR (measured) = 0.510 mW/g



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Test Laboratory: Bureau Veritas ADT

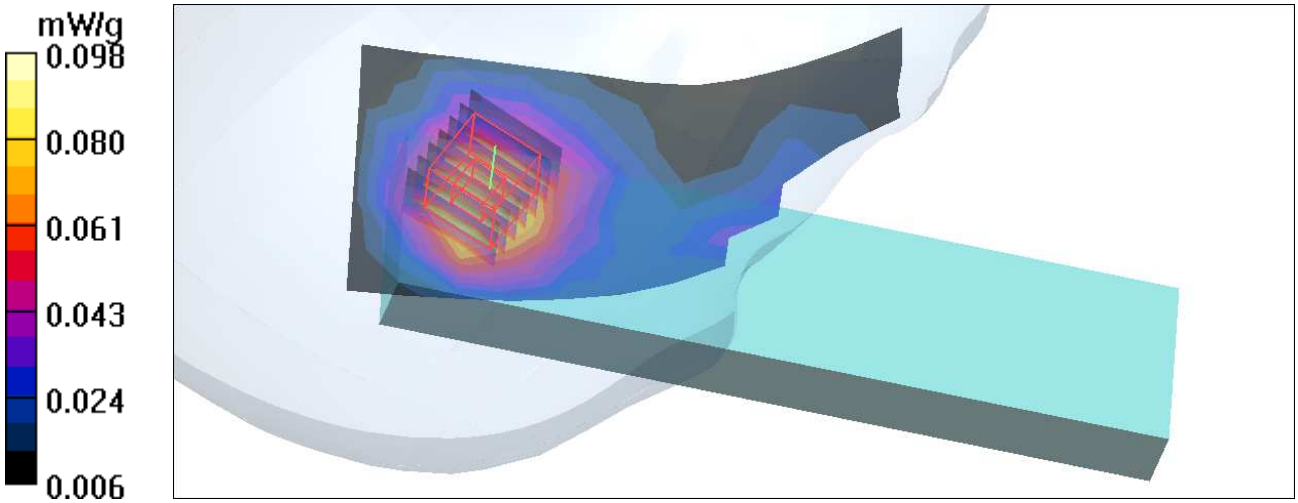
M06-Right Head Tilt PCS-1900 Ch512

DUT: Mobile Phone ; Type: F-01C
Communication System: PCS 1900 ; Frequency: 1850.2 MHz ; Duty Cycle: 1:8.3
Medium: HSL1900 Medium parameters used: f = 1850.2 MHz; σ = 1.34 mho/m; εr = 41.8; ρ = 1000 kg/m^3 ;Phantom section: Right Section ; DUT test position : Tilt ; Modulation type: GMSK

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Low Channel 512/Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.096 mW/g

Low Channel 512/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 7.25 V/m; Power Drift = 0.129 dB
Peak SAR (extrapolated) = 0.119 W/kg
SAR(1 g) = 0.083 mW/g; SAR(10 g) = 0.054 mW/g
Maximum value of SAR (measured) = 0.098 mW/g



Date/Time: 2010/7/18 16:40:35

Test Laboratory: Bureau Veritas ADT

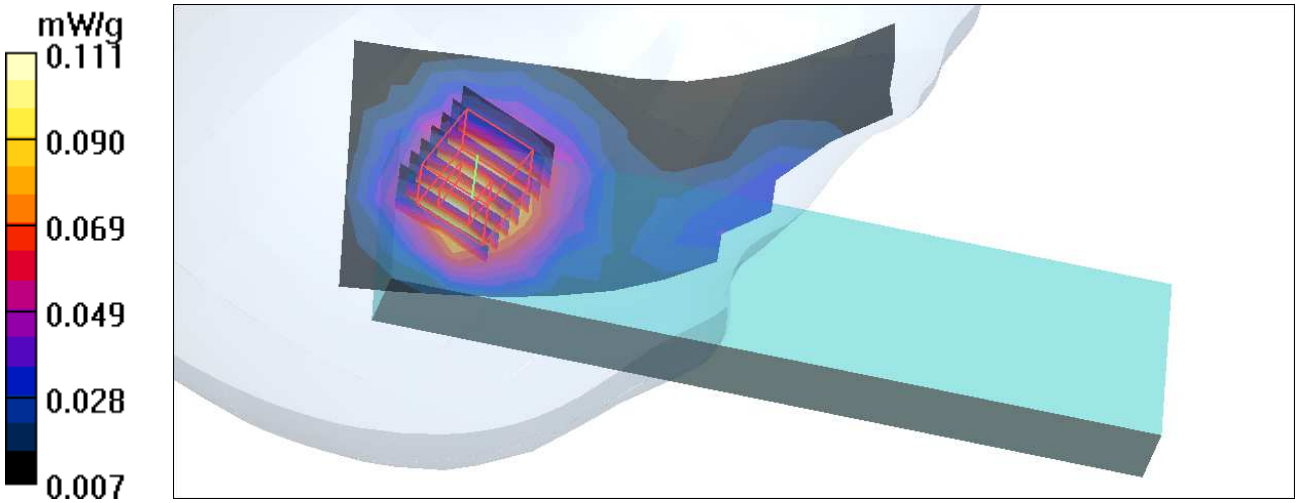
M06-Right Head Tilt PCS-1900 Ch661

DUT: Mobile Phone ; Type: F-01C
Communication System: PCS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:8.3
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.36 mho/m; ε_r = 41.7; ρ = 1000 kg/m^3
Phantom section: Right Section ; DUT test position : Tilt ; Modulation type: GMSK

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 661/Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.107 mW/g

Mid Channel 661/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 7.58 V/m; Power Drift = 0.087 dB
Peak SAR (extrapolated) = 0.143 W/kg
SAR(1 g) = 0.094 mW/g; SAR(10 g) = 0.060 mW/g
Maximum value of SAR (measured) = 0.111 mW/g



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Test Laboratory: Bureau Veritas ADT

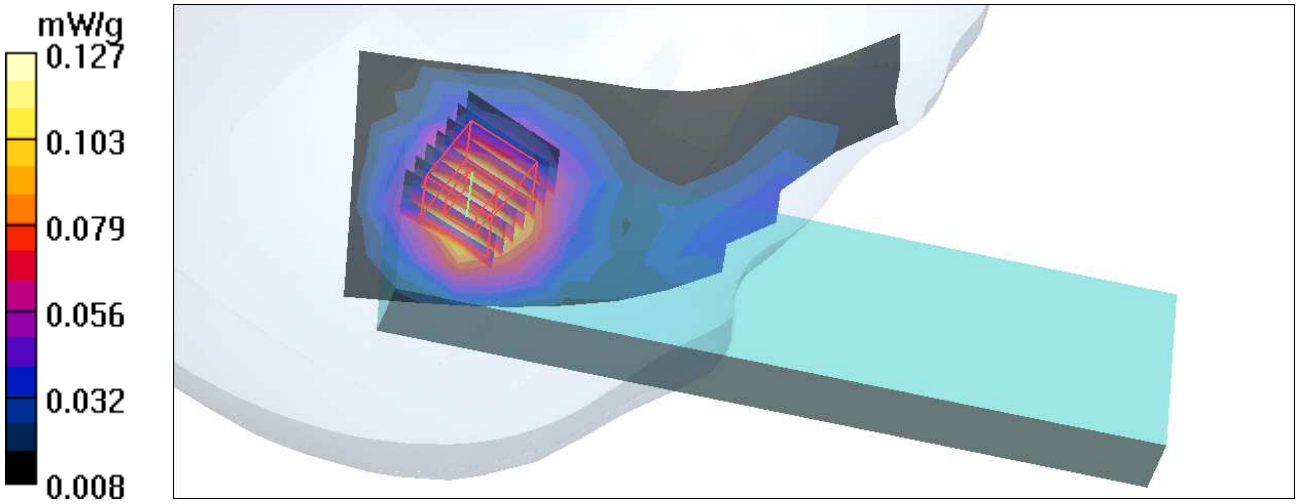
M06-Right Head Tilt PCS-1900 Ch810

DUT: Mobile Phone ; Type: F-01C
Communication System: PCS 1900 ; Frequency: 1909.8 MHz ; Duty Cycle: 1:8.3
Medium: HSL1900 Medium parameters used: f = 1909.8 MHz; σ = 1.38 mho/m; ε_r = 41.6; ρ = 1000 kg/m^3 ;Phantom section: Right Section ; DUT test position : Tilt ; Modulation type: GMSK

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

High Channel 810/Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.127 mW/g

High Channel 810/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 8.24 V/m; Power Drift = -0.124 dB
Peak SAR (extrapolated) = 0.172 W/kg
SAR(1 g) = 0.109 mW/g; SAR(10 g) = 0.069 mW/g



Date/Time: 2010/7/18 18:03:51

Test Laboratory: Bureau Veritas ADT

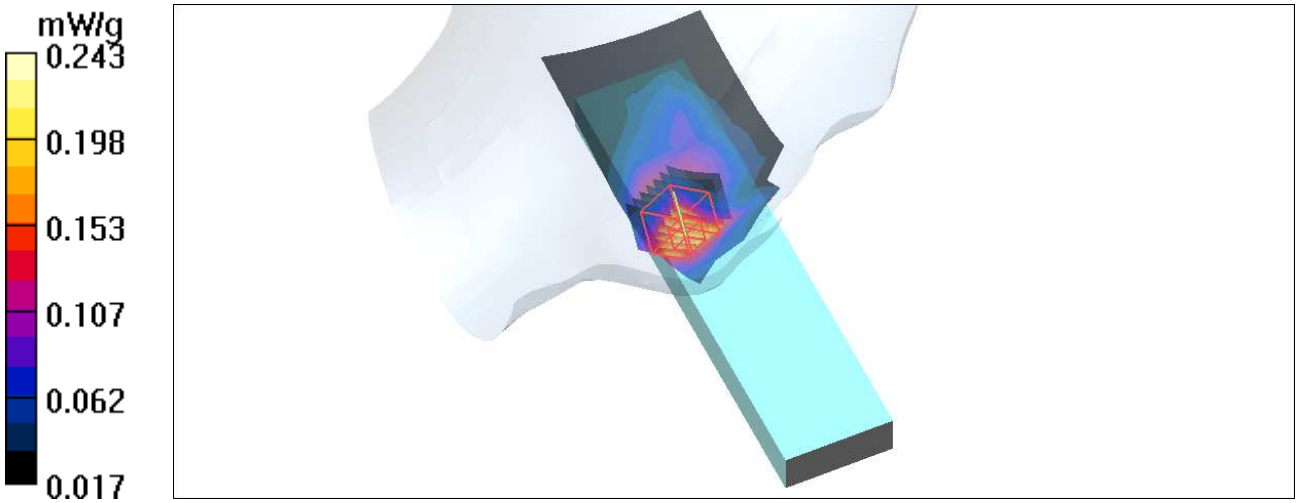
M07-Left Head Cheek PCS 1900 Ch512

DUT: Mobile Phone ; Type: F-01C
Communication System: PCS 1900 ; Frequency: 1850.2 MHz ; Duty Cycle: 1:8.3
Medium: HSL1900 Medium parameters used: f = 1850.2 MHz; σ = 1.34 mho/m; εr = 41.8; ρ = 1000 kg/m^3 ;Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: GMSK

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 512/Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.240 mW/g

Mid Channel 512/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 4.06 V/m; Power Drift = 0.065 dB
Peak SAR (extrapolated) = 0.320 W/kg
SAR(1 g) = 0.206 mW/g; SAR(10 g) = 0.126 mW/g
Maximum value of SAR (measured) = 0.243 mW/g



Date/Time: 2010/7/18 18:47:27

Test Laboratory: Bureau Veritas ADT

M07-Left Head Cheek PCS 1900 Ch661

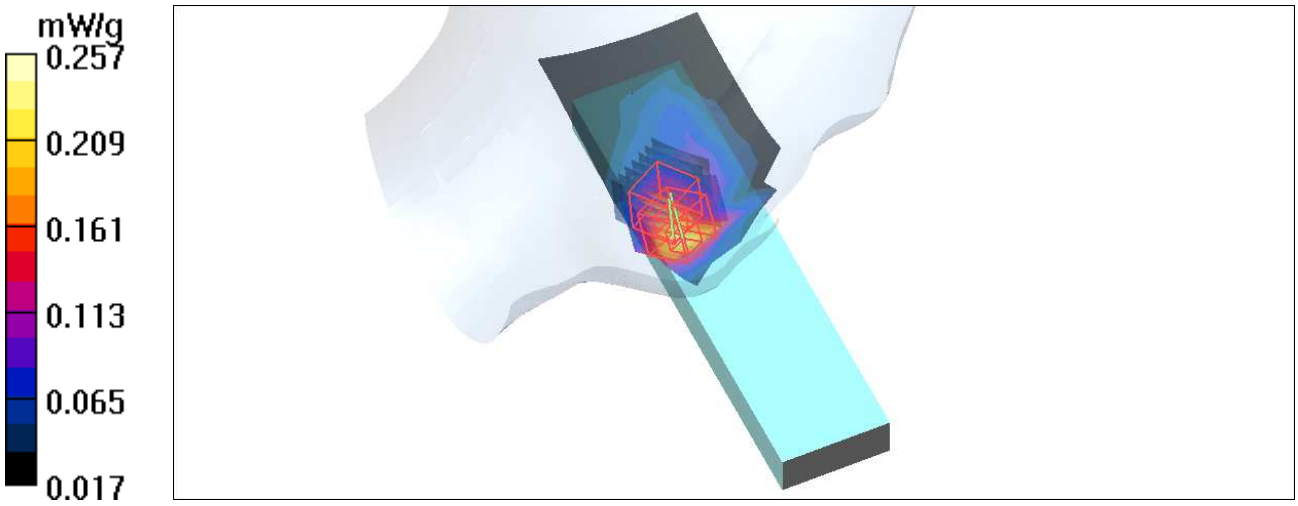
DUT: Mobile Phone ; Type: F-01C
Communication System: PCS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:8.3
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.36 mho/m; ε_r = 41.7; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: GMSK

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 661/Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.244 mW/g

Mid Channel 661/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 4.08 V/m; Power Drift = -0.151 dB
Peak SAR (extrapolated) = 0.360 W/kg
SAR(1 g) = 0.214 mW/g; SAR(10 g) = 0.129 mW/g
Maximum value of SAR (measured) = 0.257 mW/g

Mid Channel 661/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 4.08 V/m; Power Drift = -0.151 dB
Peak SAR (extrapolated) = 0.329 W/kg
SAR(1 g) = 0.197 mW/g; SAR(10 g) = 0.122 mW/g
Maximum value of SAR (measured) = 0.243 mW/g



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Test Laboratory: Bureau Veritas ADT

M07-Left Head Cheek PCS 1900 Ch661

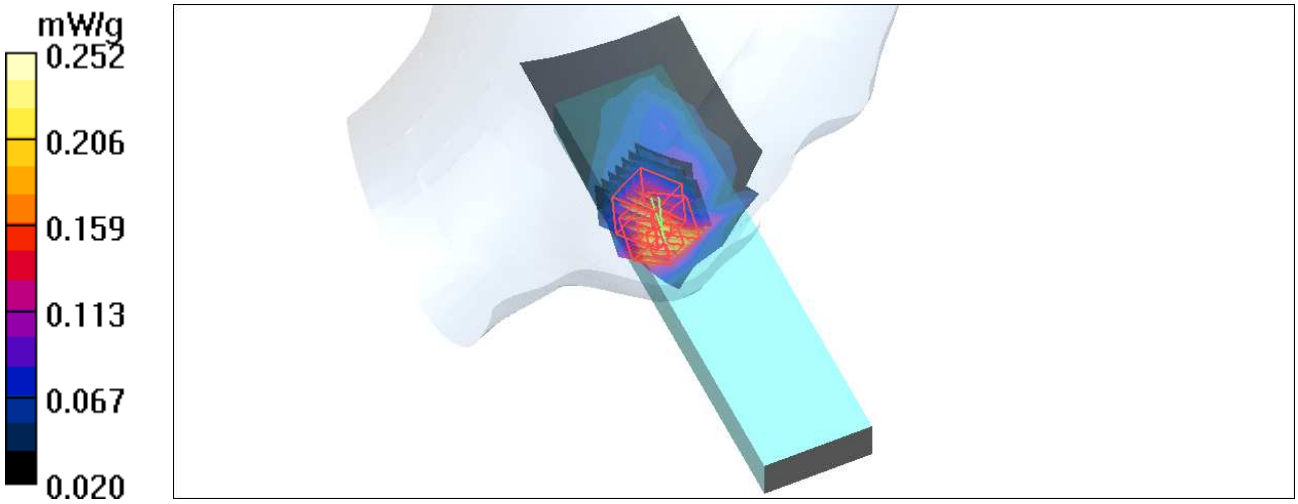
DUT: Mobile Phone ; Type: F-01C
Communication System: PCS 1900 ; Frequency: 1909.8 MHz ; Duty Cycle: 1:8.3
Medium: HSL1900 Medium parameters used: f = 1909.8 MHz; σ = 1.38 mho/m; ε_r = 41.6; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: GMSK

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 810/Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.251 mW/g

Mid Channel 810/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.71 V/m; Power Drift = 0.109 dB
Peak SAR (extrapolated) = 0.356 W/kg
SAR(1 g) = 0.219 mW/g; SAR(10 g) = 0.134 mW/g
Maximum value of SAR (measured) = 0.260 mW/g

Mid Channel 810/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.71 V/m; Power Drift = 0.109 dB
Peak SAR (extrapolated) = 0.333 W/kg
SAR(1 g) = 0.203 mW/g; SAR(10 g) = 0.125 mW/g
Maximum value of SAR (measured) = 0.252 mW/g



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Test Laboratory: Bureau Veritas ADT

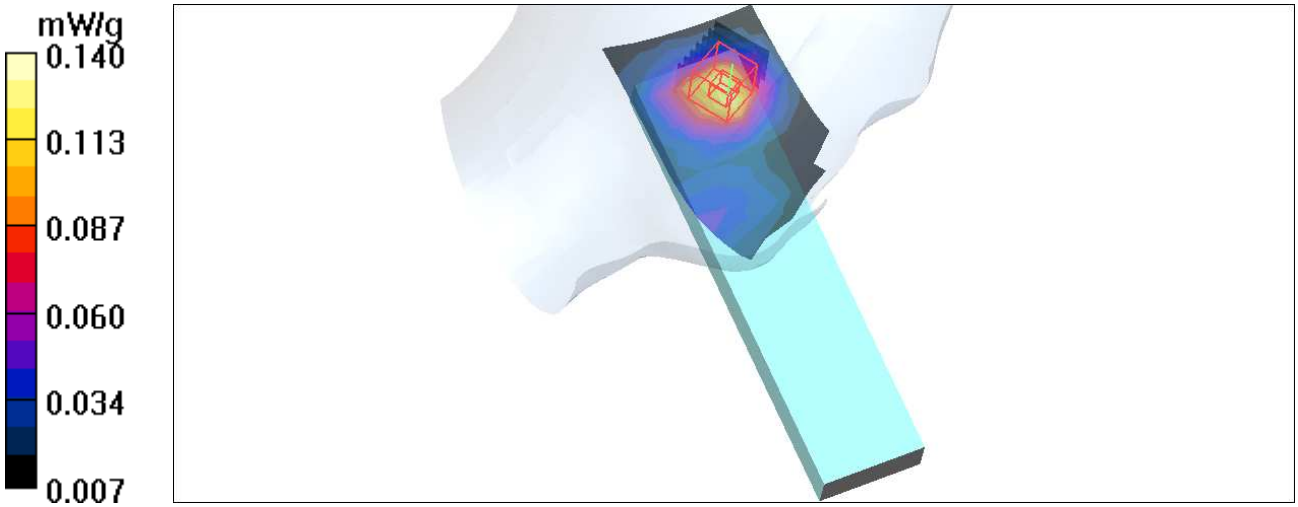
M08-Left Head Tilt PCS-1900 Ch512

DUT: Mobile Phone ; Type: F-10C
Communication System: PCS 1900 ; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium: HSL1900 Medium parameters used: f = 1850.2 MHz; σ = 1.34 mho/m; εr = 41.8; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: GMSK

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.0 Build 61

Mid Channel 512/Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.127 mW/g

Mid Channel 512/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 7.14 V/m; Power Drift = -0.188 dB
Peak SAR (extrapolated) = 0.181 W/kg
SAR(1 g) = 0.119 mW/g; SAR(10 g) = 0.073 mW/g
Maximum value of SAR (measured) = 0.140 mW/g



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Test Laboratory: Bureau Veritas ADT

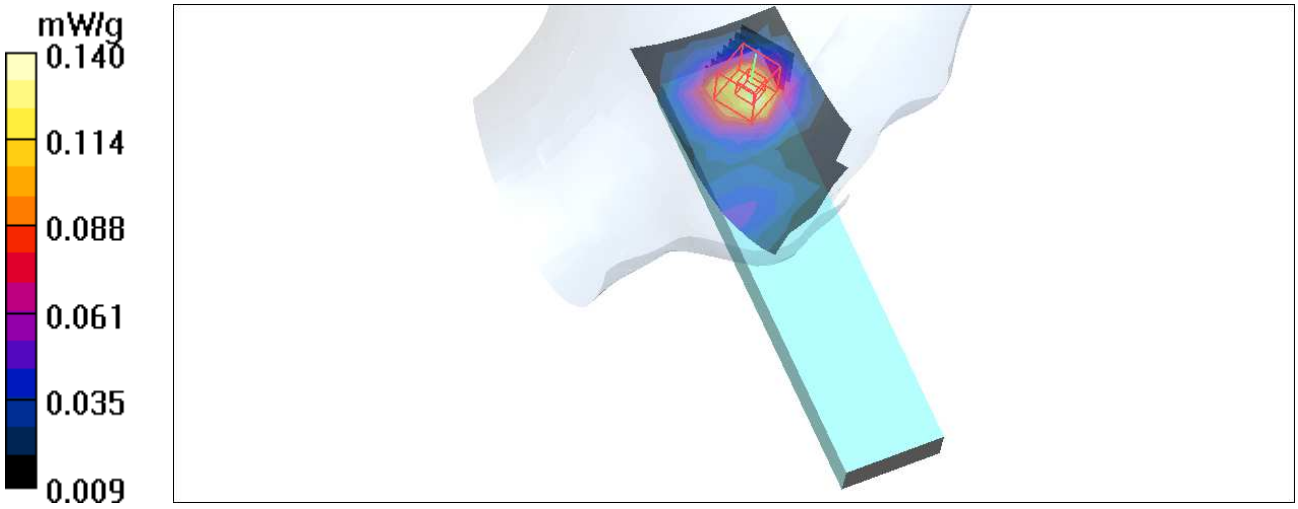
M08-Left Head Tilt PCS-1900 Ch661

DUT: Mobile Phone ; Type: F-10C
Communication System: PCS 1900 ; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.36 mho/m; ε_r = 41.7; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: GMSK

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.0 Build 61

Mid Channel 661/Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.137 mW/g

Mid Channel 661/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 7.27 V/m; Power Drift = -0.129 dB
Peak SAR (extrapolated) = 0.191 W/kg
SAR(1 g) = 0.121 mW/g; SAR(10 g) = 0.076 mW/g
Maximum value of SAR (measured) = 0.140 mW/g



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Test Laboratory: Bureau Veritas ADT

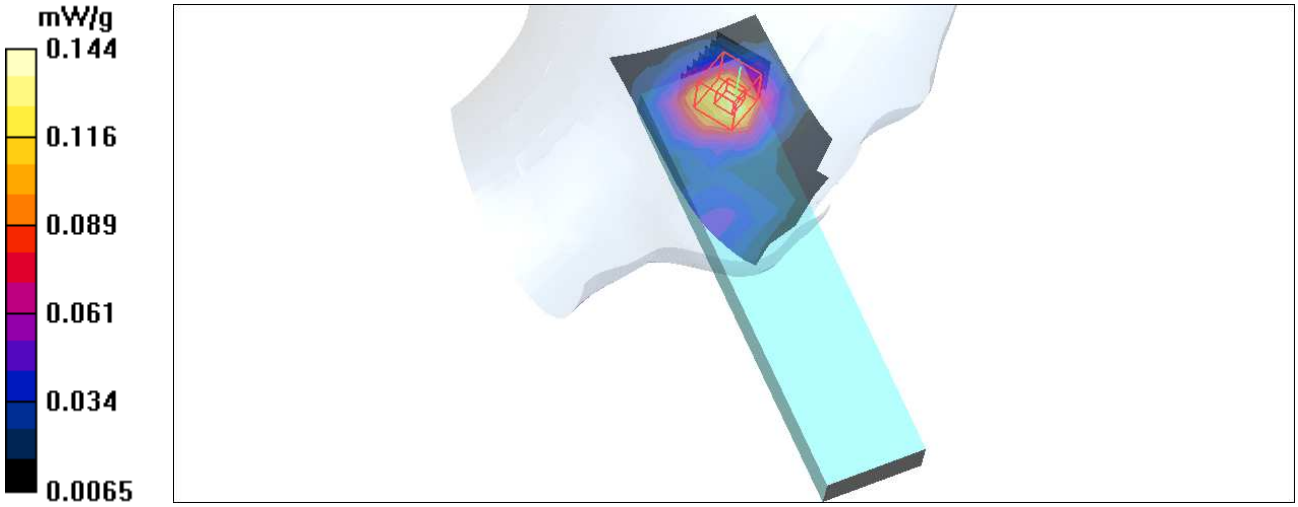
M08-Left Head Tilt PCS-1900 Ch810

DUT: Mobile Phone ; Type: F-10C
Communication System: PCS 1900 ; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium: HSL1900 Medium parameters used: f = 1909.8 MHz; σ = 1.38 mho/m; ε_r = 41.6; ρ = 1000 kg/m^3
Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: GMSK

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: DAE not calibrated
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.0 Build 61

Mid Channel 810/Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.135 mW/g

Mid Channel 810/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 7.25 V/m; Power Drift = -0.146 dB
Peak SAR (extrapolated) = 0.190 W/kg
SAR(1 g) = 0.124 mW/g; SAR(10 g) = 0.077 mW/g
Maximum value of SAR (measured) = 0.144 mW/g



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Test Laboratory: Bureau Veritas ADT

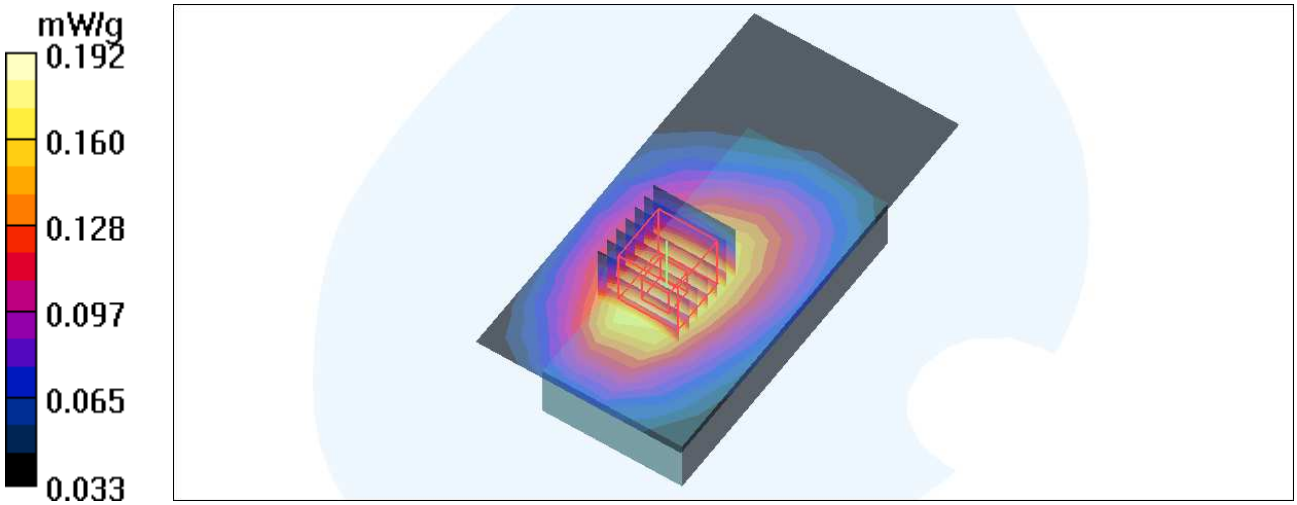
M09-15mm-Body Front- WCDMA 850 Ch4182

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 836.4 MHz ; Duty Cycle: 1:1; Modulation type: BPSK; Medium: MSL835 Medium parameters used: f = 836.4 MHz; σ = 1 mho/m; ε_r = 55.7; ρ = 1000 kg/m^3 Phantom section: Flat Section ; Separation distance : 15 mm (The front side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.2, 10.2, 10.2) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 4182/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.184 mW/g

Mid Channel 4182/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 12.9 V/m; Power Drift = 0.012 dB
Peak SAR (extrapolated) = 0.224 W/kg
SAR(1 g) = 0.172 mW/g; SAR(10 g) = 0.126 mW/g
Maximum value of SAR (measured) = 0.192 mW/g



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Test Laboratory: Bureau Veritas ADT

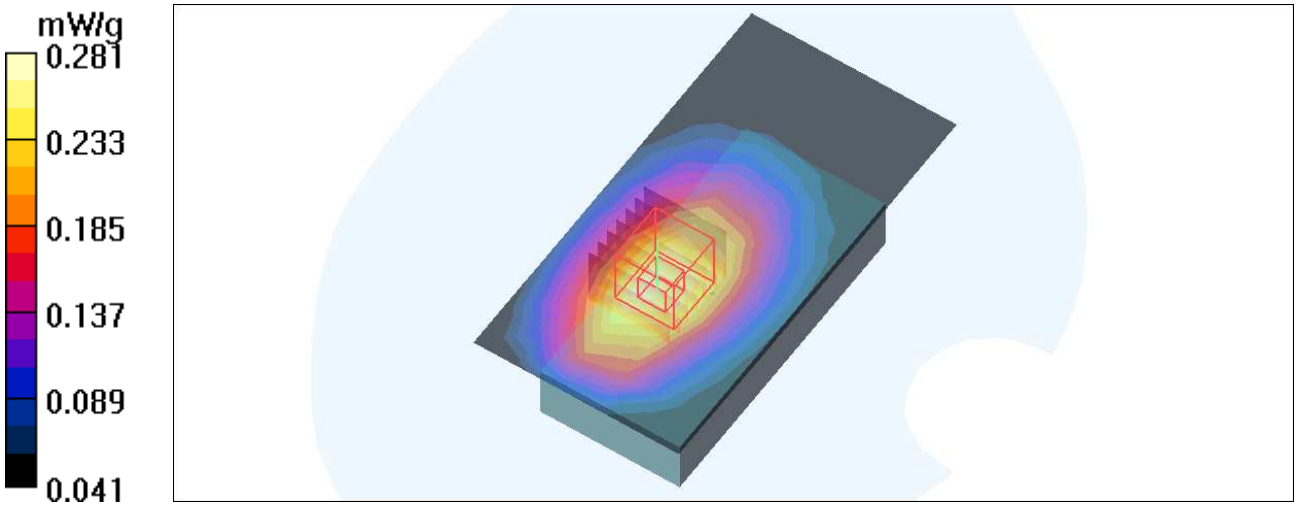
M10-15mm-Body Bottom- WCDMA 850 Ch4132

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 826.4 MHz ; Duty Cycle: 1:1; Modulation type: BPSK ; Medium: MSL835 Medium parameters used: f = 826.4 MHz; σ = 0.99 mho/m; ε_r = 55.8; ρ = 1000 kg/m^3 ;Phantom section: Flat Section ; Separation distance : 15 mm (The bottom side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.2, 10.2, 10.2) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Low Channel 4132/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.277 mW/g

Low Channel 4132/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 15.5 V/m; Power Drift = -0.118 dB
Peak SAR (extrapolated) = 0.338 W/kg
SAR(1 g) = 0.249 mW/g; SAR(10 g) = 0.179 mW/g
Maximum value of SAR (measured) = 0.281 mW/g



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Test Laboratory: Bureau Veritas ADT

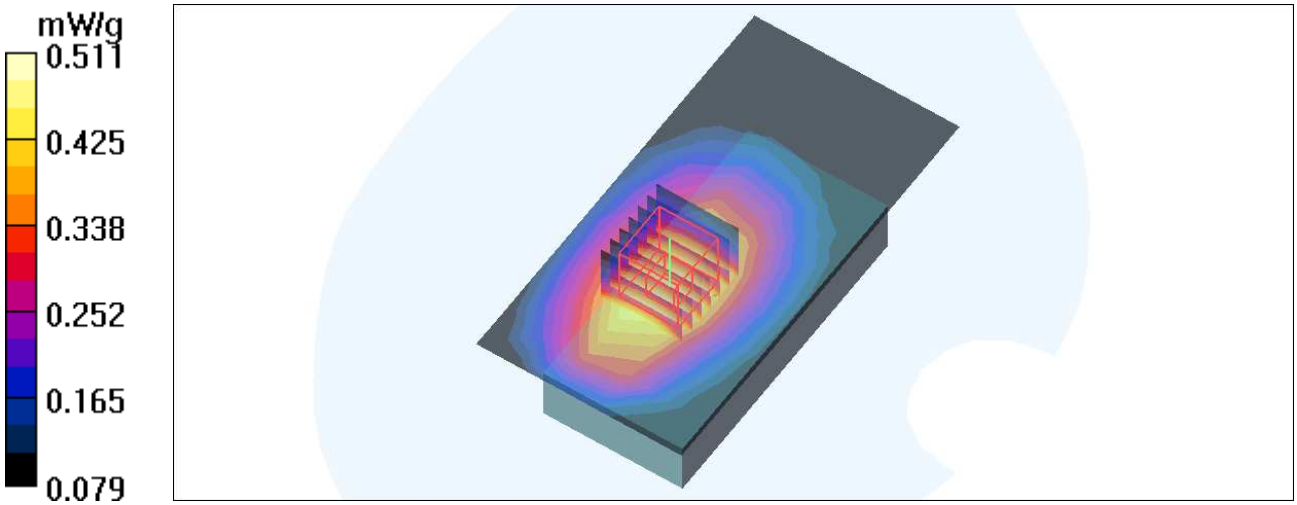
M10-15mm-Body Bottom- WCDMA 850 Ch4182

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 836.4 MHz ; Duty Cycle: 1:1; Modulation type: BPSK ; Medium: MSL835 Medium parameters used: f = 836.4 MHz; σ = 1 mho/m; ε_r = 55.7; ρ = 1000 kg/m^3 ;Phantom section: Flat Section ; Separation distance : 15 mm (The bottom side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.2, 10.2, 10.2) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 4182/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.483 mW/g

Mid Channel 4182/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 20.6 V/m; Power Drift = 0.077 dB
Peak SAR (extrapolated) = 0.615 W/kg
SAR(1 g) = 0.453 mW/g; SAR(10 g) = 0.325 mW/g
Maximum value of SAR (measured) = 0.511 mW/g



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Test Laboratory: Bureau Veritas ADT

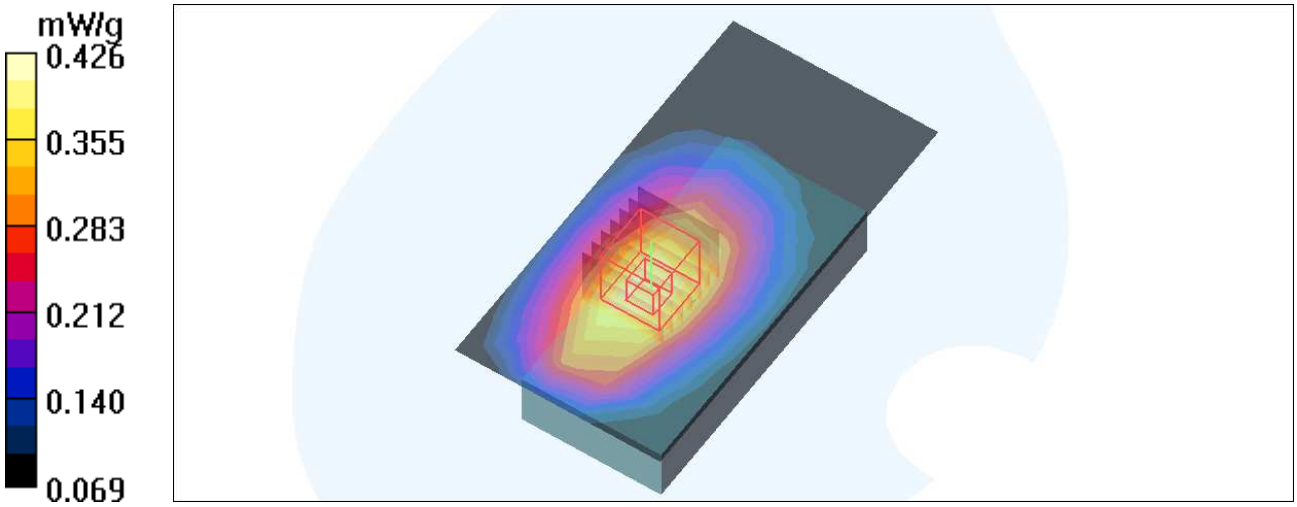
M10-15mm-Body Bottom- WCDMA 850 Ch4233

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 846.6 MHz ; Duty Cycle: 1:1; Modulation type: BPSK ;Medium: MSL835 Medium parameters used (extrapolated): f = 846.6 MHz; σ = 1.01 mho/m; ε_r = 55.6; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Separation distance : 15 mm (The bottom side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.2, 10.2, 10.2) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

High Channel 4233/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.407 mW/g

High Channel 4233/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 19.2 V/m; Power Drift = -0.002 dB
Peak SAR (extrapolated) = 0.510 W/kg
SAR(1 g) = 0.380 mW/g; SAR(10 g) = 0.274 mW/g
Maximum value of SAR (measured) = 0.426 mW/g



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Test Laboratory: Bureau Veritas ADT

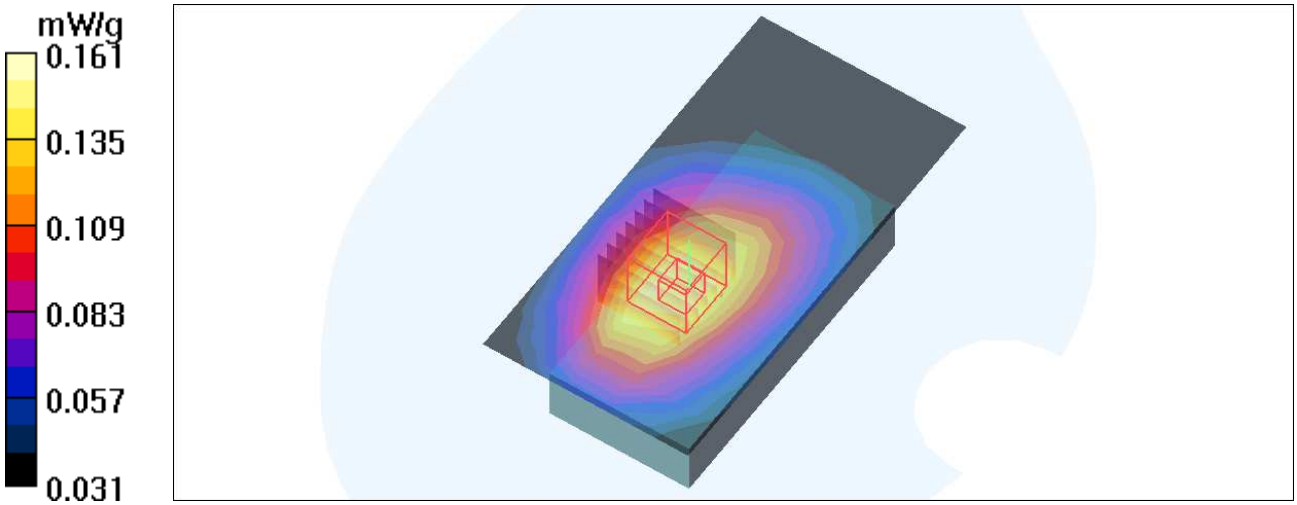
M11-15mm-Body Front- HSDPA 850 Ch4182

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 836.4 MHz ; Duty Cycle: 1:1; Modulation type: BPSK ; Medium: MSL835 Medium parameters used: f = 836.4 MHz; σ = 1 mho/m; ε_r = 55.7; ρ = 1000 kg/m^3 ;Phantom section: Flat Section ; Separation distance : 15 mm (The front side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.2, 10.2, 10.2) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 4182/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.154 mW/g

Mid Channel 4182/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 11.7 V/m; Power Drift = 0.138 dB
Peak SAR (extrapolated) = 0.189 W/kg
SAR(1 g) = 0.143 mW/g; SAR(10 g) = 0.107 mW/g
Maximum value of SAR (measured) = 0.161 mW/g



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Test Laboratory: Bureau Veritas ADT

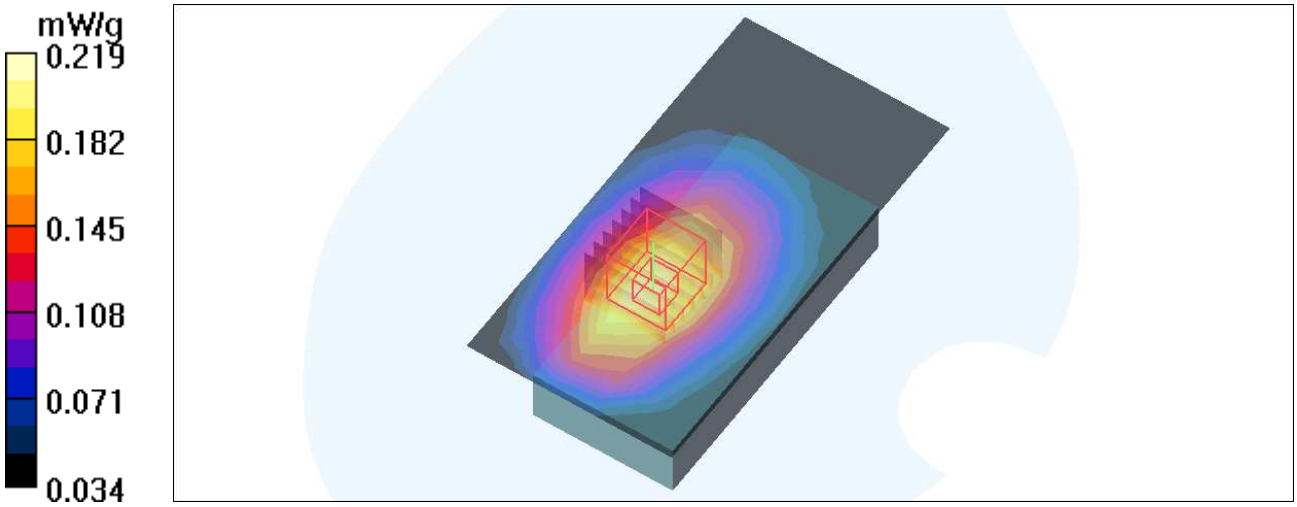
M12-15mm-Body Bottom- HSDPA 850 Ch4132

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 826.4 MHz ; Duty Cycle: 1:1; Modulation type: BPSK ; Medium: MSL835 Medium parameters used: f = 826.4 MHz; σ = 0.99 mho/m; ε_r = 55.8; ρ = 1000 kg/m^3 ;Phantom section: Flat Section ; Separation distance : 15 mm (The bottom side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.2, 10.2, 10.2) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Low Channel 4132/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.209 mW/g

Low Channel 4132/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 13.4 V/m; Power Drift = 0.109 dB
Peak SAR (extrapolated) = 0.261 W/kg
SAR(1 g) = 0.194 mW/g; SAR(10 g) = 0.140 mW/g
Maximum value of SAR (measured) = 0.219 mW/g



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Test Laboratory: Bureau Veritas ADT

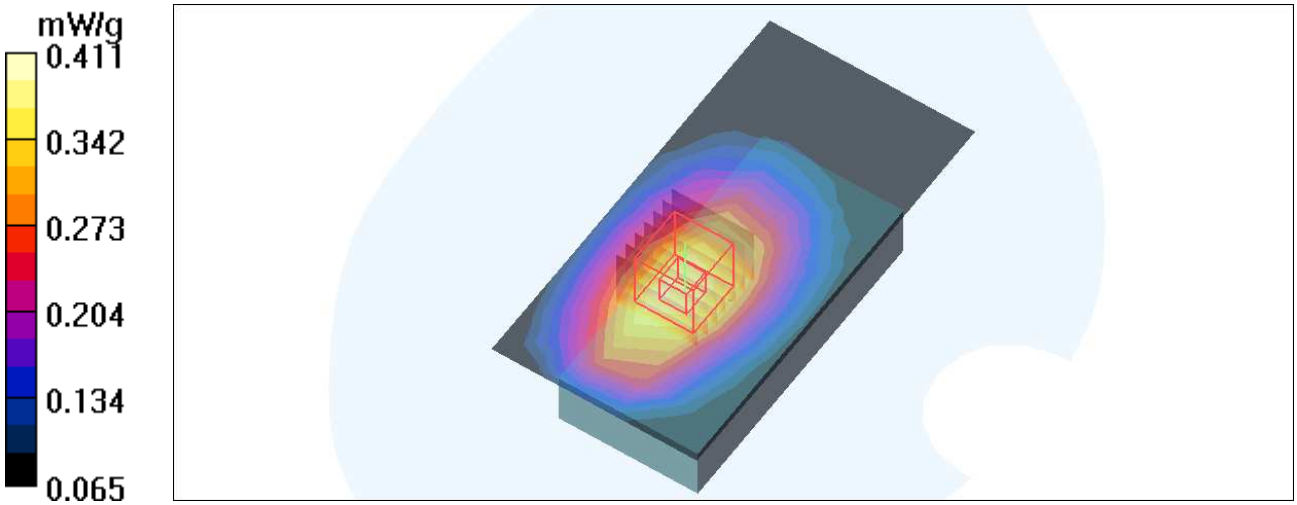
M12-15mm-Body Bottom- HSDPA 850 Ch4182

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 836.4 MHz ; Duty Cycle: 1:1; Modulation type: BPSK ;Medium: MSL835 Medium parameters used: f = 836.4 MHz; σ = 1 mho/m; ε_r = 55.7; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Separation distance : 15 mm (The bottom side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.2, 10.2, 10.2) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 4182/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.394 mW/g

Mid Channel 4182/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 18.7 V/m; Power Drift = -0.010 dB
Peak SAR (extrapolated) = 0.492 W/kg
SAR(1 g) = 0.367 mW/g; SAR(10 g) = 0.264 mW/g
Maximum value of SAR (measured) = 0.411 mW/g



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Test Laboratory: Bureau Veritas ADT

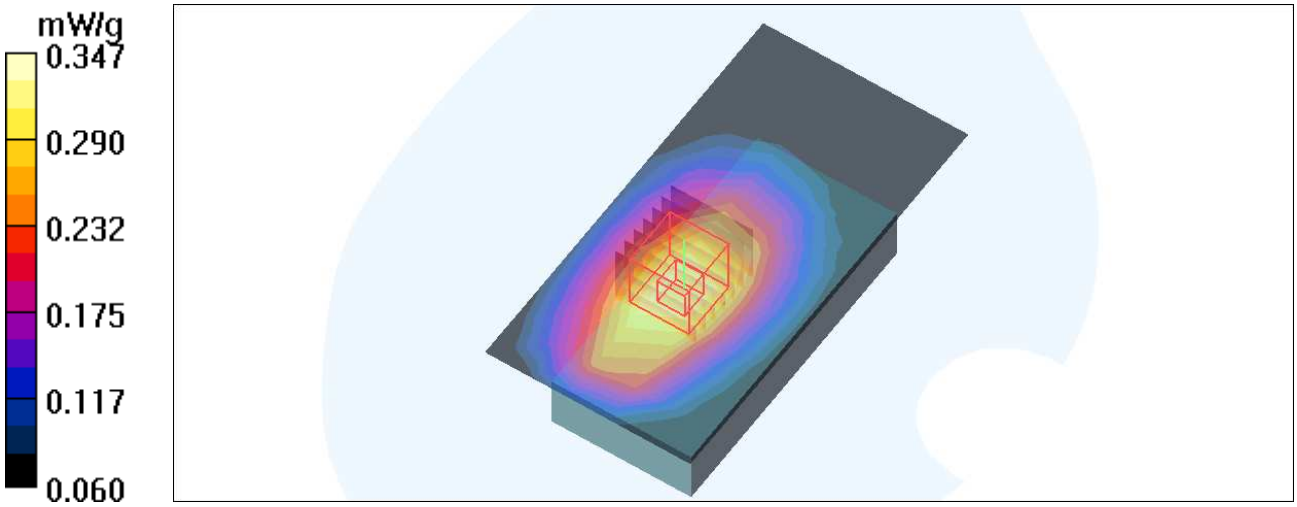
M12-15mm-Body Bottom- HSDPA 850 Ch4233

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 846.6 MHz ; Duty Cycle: 1:1; Modulation type: BPSK ;Medium: MSL835 Medium parameters used (extrapolated): f = 846.6 MHz; σ = 1.01 mho/m; ε_r = 55.6; ρ = 1000 kg/m^3 ;Phantom section: Flat Section ; Separation distance : 15 mm (The bottom side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.2, 10.2, 10.2) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

High Channel 4233/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.329 mW/g

High Channel 4233/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 17.4 V/m; Power Drift = 0.011 dB
Peak SAR (extrapolated) = 0.411 W/kg
SAR(1 g) = 0.310 mW/g; SAR(10 g) = 0.224 mW/g
Maximum value of SAR (measured) = 0.347 mW/g



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Test Laboratory: Bureau Veritas ADT

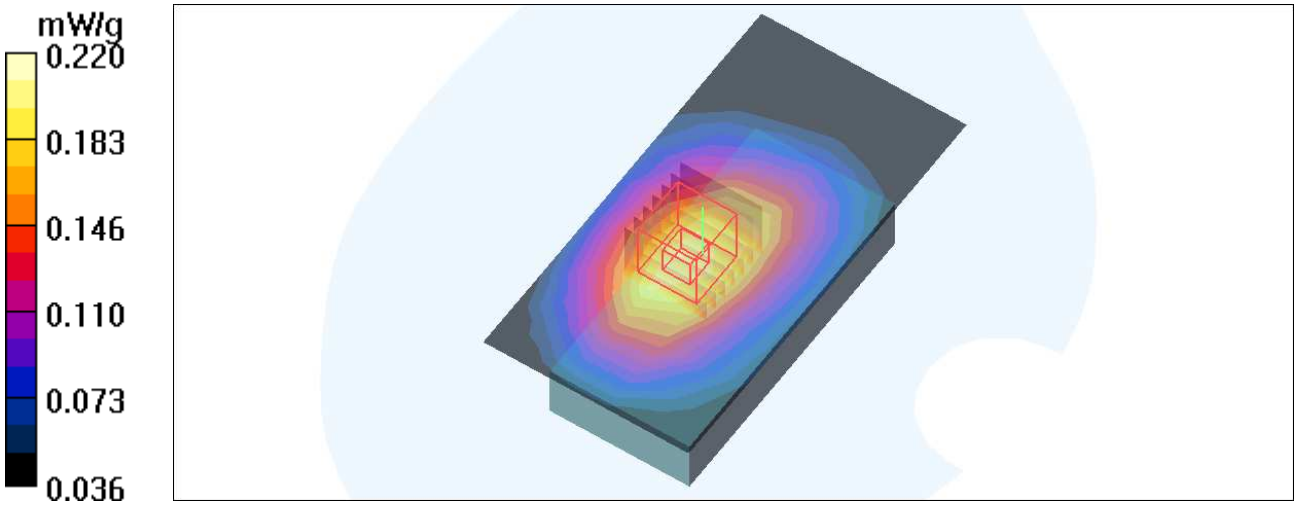
M13-15mm-Body Front- HSUPA 850 Ch4182

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 836.4 MHz ; Duty Cycle: 1:1; Modulation type: BPSK ;Medium: MSL835 Medium parameters used: f = 836.4 MHz; σ = 1 mho/m; ε_r = 55.7; ρ = 1000 kg/m^3 ;Phantom section: Flat Section ; Separation distance : 15 mm (The front side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.2, 10.2, 10.2) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 4182/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.209 mW/g

Mid Channel 4182/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 14.3 V/m; Power Drift = 0.117 dB
Peak SAR (extrapolated) = 0.256 W/kg
SAR(1 g) = 0.199 mW/g; SAR(10 g) = 0.148 mW/g
Maximum value of SAR (measured) = 0.220 mW/g



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Test Laboratory: Bureau Veritas ADT

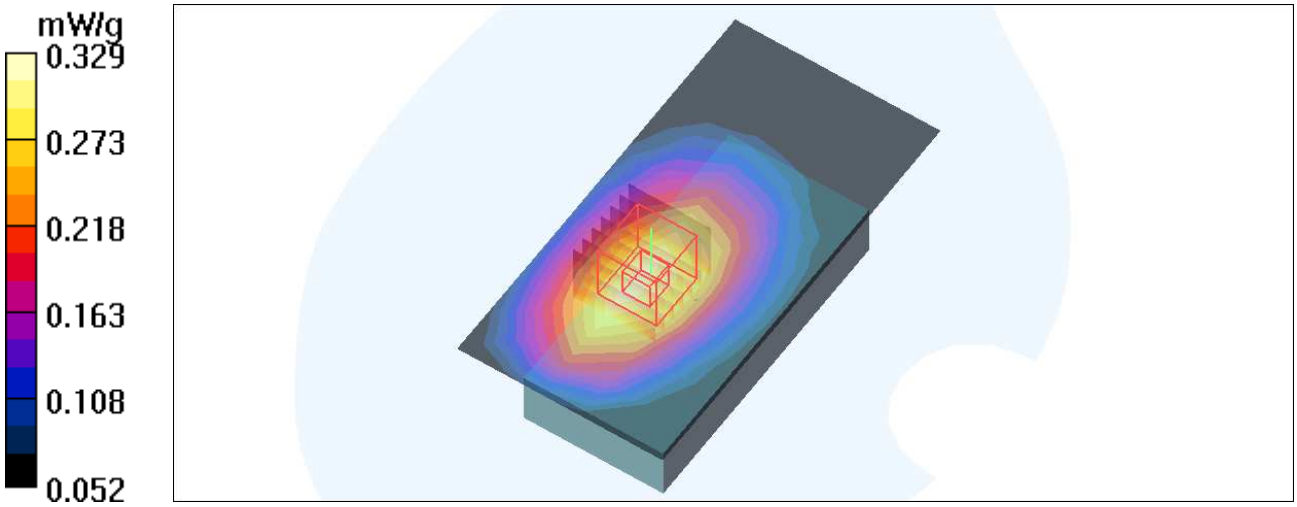
M14-15mm-Body Bottom- HSUPA 850 Ch4132

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 826.4 MHz ; Duty Cycle: 1:1; Modulation type: BPSK ;Medium: MSL835 Medium parameters used: f = 826.4 MHz; σ = 0.99 mho/m; ε_r = 55.8; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Separation distance : 15 mm (The bottom side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.2, 10.2, 10.2) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Low Channel 4132/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.323 mW/g

Low Channel 4132/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 17.0 V/m; Power Drift = -0.010 dB
Peak SAR (extrapolated) = 0.394 W/kg
SAR(1 g) = 0.294 mW/g; SAR(10 g) = 0.213 mW/g
Maximum value of SAR (measured) = 0.329 mW/g



Date/Time: 2010/7/19 12:01:37

Test Laboratory: Bureau Veritas ADT

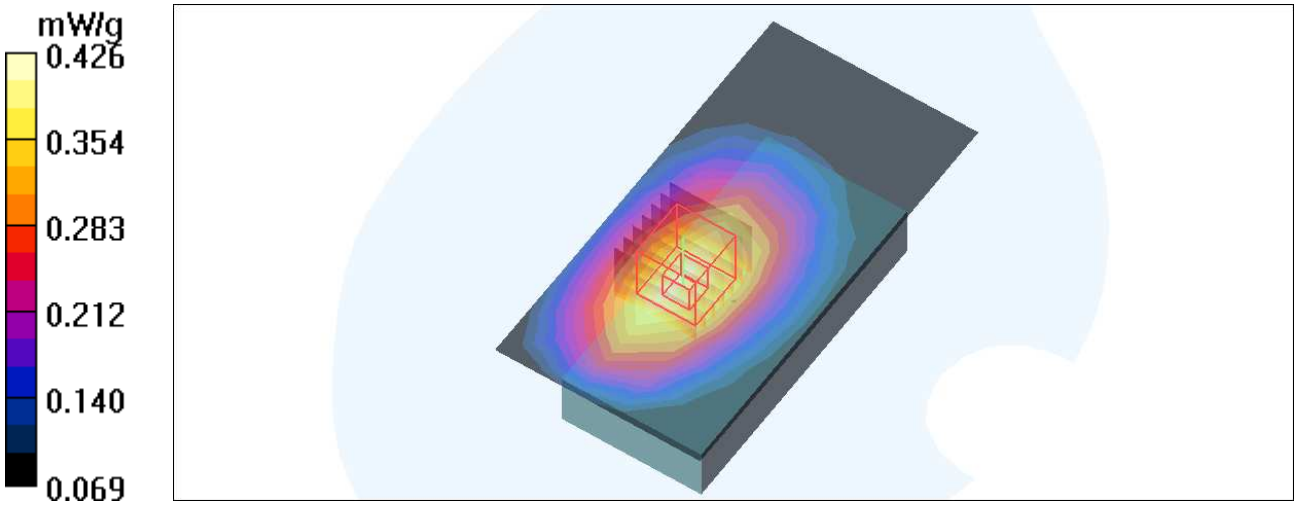
M14-15mm-Body Bottom- HSUPA 850 Ch4182

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 836.4 MHz ; Duty Cycle: 1:1; Modulation type: BPSK ;Medium: MSL835 Medium parameters used: f = 836.4 MHz; σ = 1 mho/m; ε_r = 55.7; ρ = 1000 kg/m^3 ;Phantom section: Flat Section ; Separation distance : 15 mm (The bottom side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.2, 10.2, 10.2) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 4182/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.414 mW/g

Mid Channel 4182/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 19.3 V/m; Power Drift = 0.034 dB
Peak SAR (extrapolated) = 0.509 W/kg
SAR(1 g) = 0.380 mW/g; SAR(10 g) = 0.275 mW/g
Maximum value of SAR (measured) = 0.426 mW/g



Date/Time: 2010/7/19 13:01:14

Test Laboratory: Bureau Veritas ADT

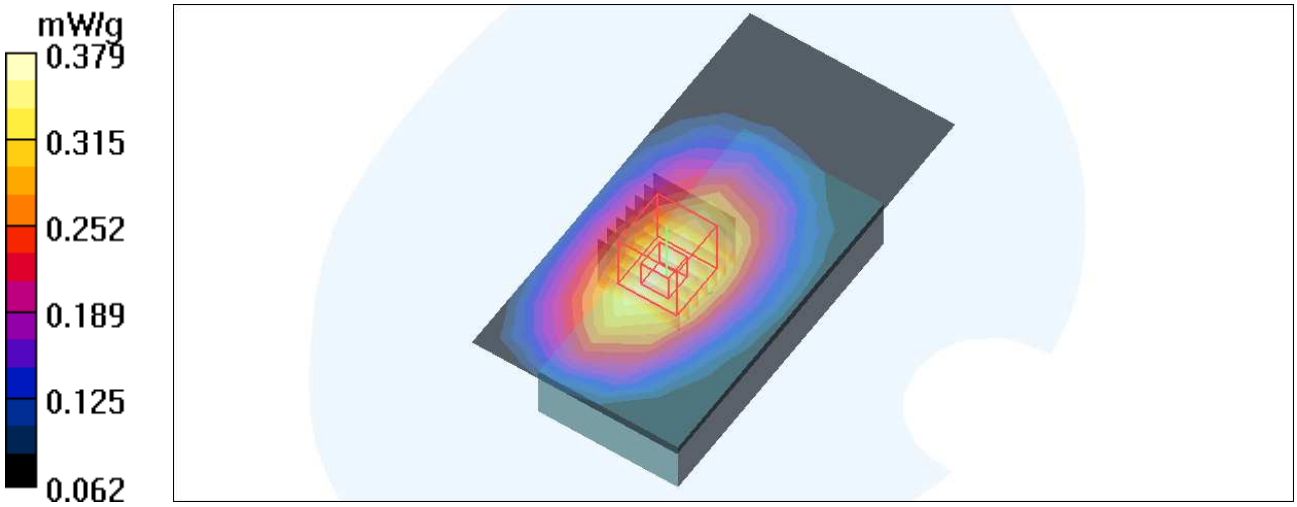
M14-15mm-Body Bottom- HSUPA 850 Ch4233

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 846.6 MHz ; Duty Cycle: 1:1; Modulation type: BPSK ;Medium: MSL835 Medium parameters used (extrapolated): f = 846.6 MHz; σ = 1.01 mho/m; ε_r = 55.6; ρ = 1000 kg/m^3 ;Phantom section: Flat Section ; Separation distance : 15 mm (The bottom side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.2, 10.2, 10.2) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

High Channel 4233/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.369 mW/g

High Channel 4233/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 18.3 V/m; Power Drift = 0.020 dB
Peak SAR (extrapolated) = 0.451 W/kg
SAR(1 g) = 0.338 mW/g; SAR(10 g) = 0.244 mW/g
Maximum value of SAR (measured) = 0.379 mW/g



Date/Time: 2010/7/19 13:32:23

Test Laboratory: Bureau Veritas ADT

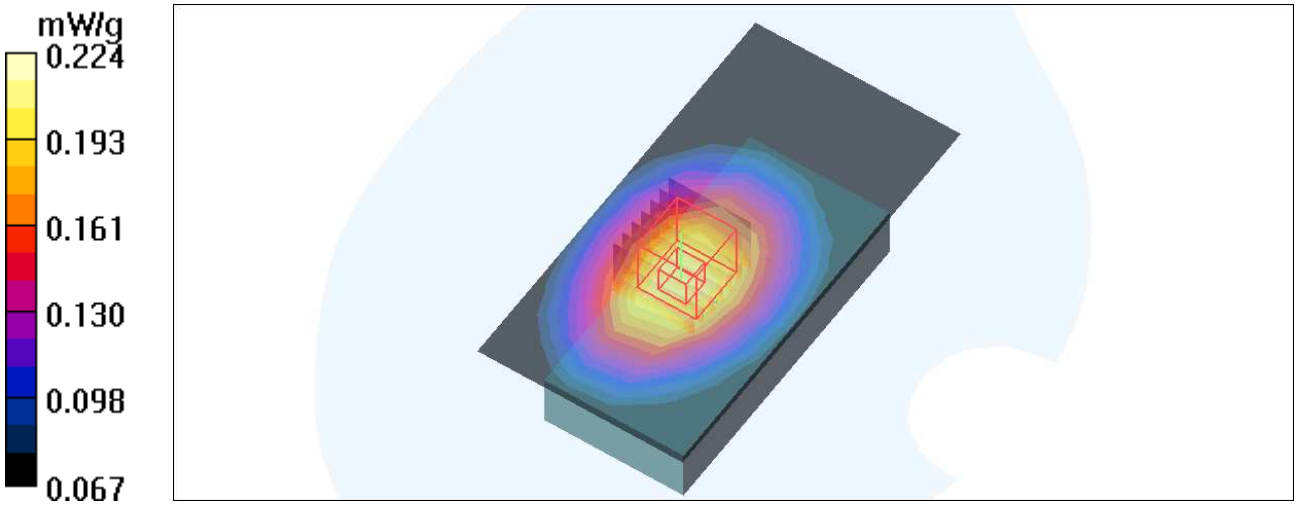
M15-15mm-Body Front LCD OUT- WCDMA 850 Ch4182

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 836.4 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
Medium: MSL835 Medium parameters used: f = 836.4 MHz; σ = 1 mho/m; ε_r = 55.7; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 15 mm (The front side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.2, 10.2, 10.2) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 4182/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.214 mW/g

Mid Channel 4182/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 14.5 V/m; Power Drift = 0.065 dB
Peak SAR (extrapolated) = 0.247 W/kg
SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.169 mW/g
Maximum value of SAR (measured) = 0.224 mW/g



Date/Time: 2010/7/19 14:01:56

Test Laboratory: Bureau Veritas ADT

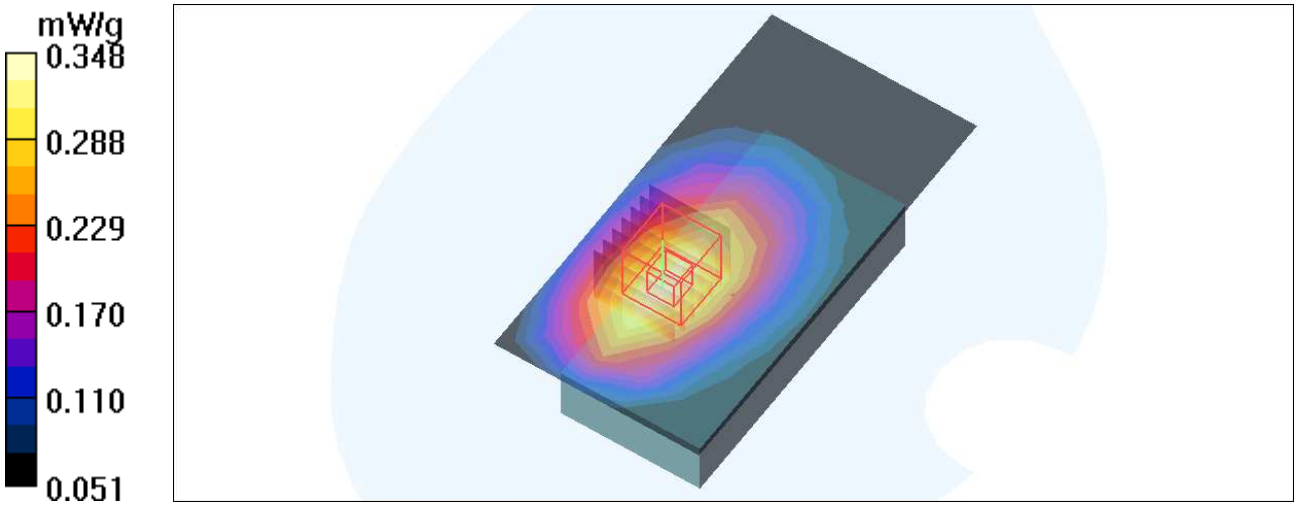
M16-15mm-Body Bottom LCD OUT- WCDMA 850 Ch4132

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 826.4 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
Medium: MSL835 Medium parameters used: f = 826.4 MHz; σ = 0.99 mho/m; ε_r = 55.8; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 15 mm (The bottom side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.2, 10.2, 10.2) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Low Channel 4132/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.347 mW/g

Low Channel 4132/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 16.8 V/m; Power Drift = 0.052 dB
Peak SAR (extrapolated) = 0.421 W/kg
SAR(1 g) = 0.310 mW/g; SAR(10 g) = 0.222 mW/g
Maximum value of SAR (measured) = 0.348 mW/g



Date/Time: 2010/7/19 14:33:31

Test Laboratory: Bureau Veritas ADT

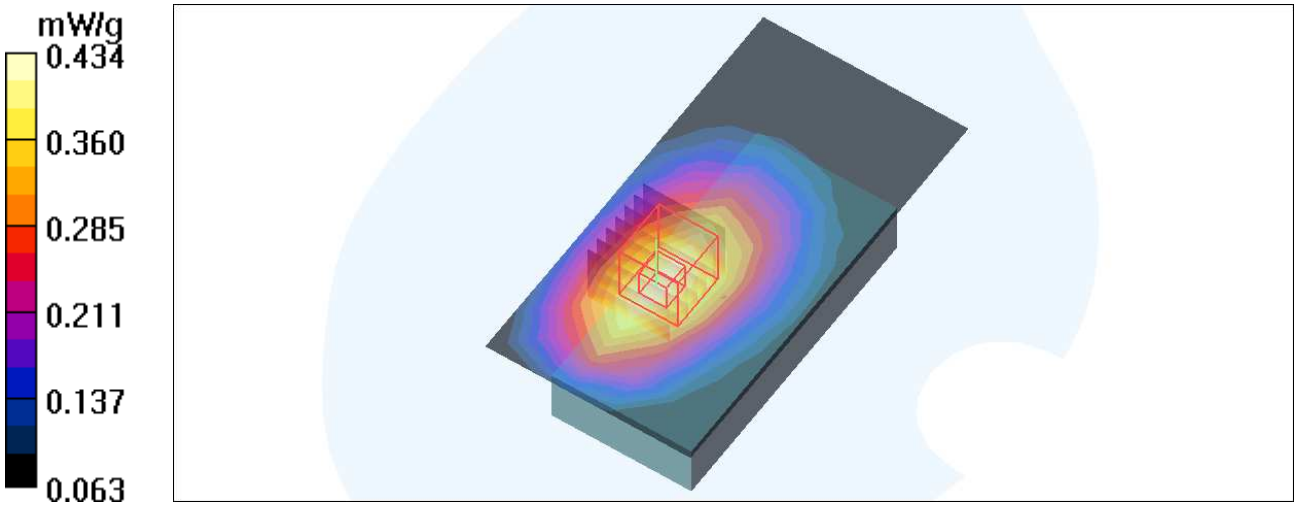
M16-15mm-Body Bottom LCD OUT- WCDMA 850 Ch4182

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 836.4 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
Medium: MSL835 Medium parameters used: f = 836.4 MHz; σ = 1 mho/m; ε_r = 55.7; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 15 mm (The bottom side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.2, 10.2, 10.2) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 4182/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.436 mW/g

Mid Channel 4182/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 19.1 V/m; Power Drift = -0.034 dB
Peak SAR (extrapolated) = 0.525 W/kg
SAR(1 g) = 0.387 mW/g; SAR(10 g) = 0.278 mW/g
Maximum value of SAR (measured) = 0.434 mW/g



Date/Time: 2010/7/19 15:02:40

Test Laboratory: Bureau Veritas ADT

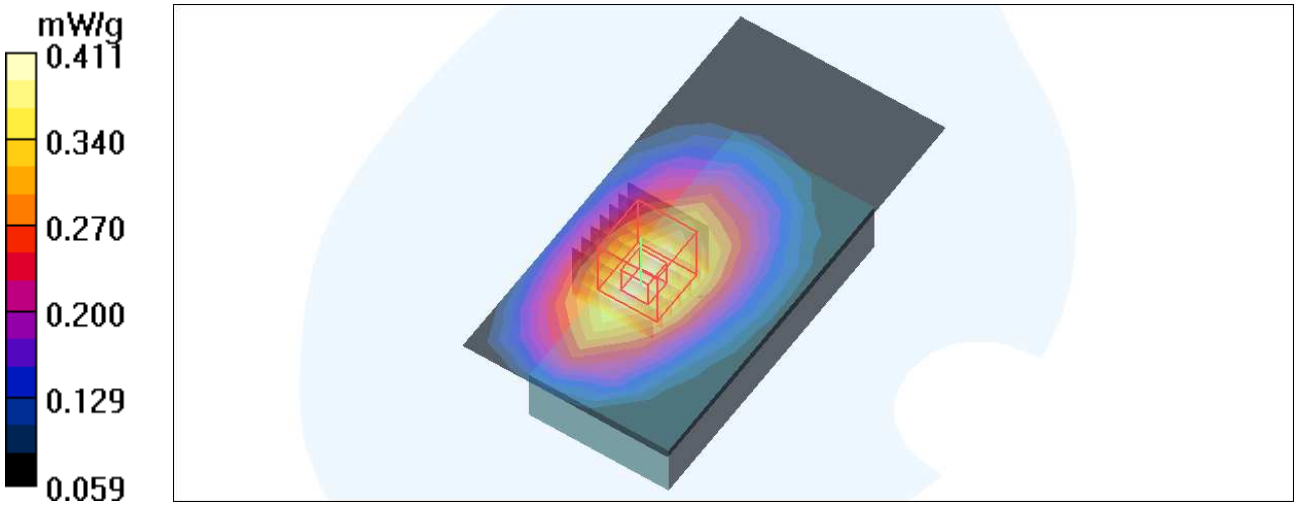
M16-15mm-Body Bottom LCD OUT- WCDMA 850 Ch4233

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 846.6 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
Medium: MSL835 Medium parameters used (extrapolated): f = 846.6 MHz; σ = 1.01 mho/m; ε_r = 55.6; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 15 mm (The bottom side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.2, 10.2, 10.2) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

High Channel 4233/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.403 mW/g

High Channel 4233/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 18.4 V/m; Power Drift = 0.058 dB
Peak SAR (extrapolated) = 0.496 W/kg
SAR(1 g) = 0.364 mW/g; SAR(10 g) = 0.261 mW/g
Maximum value of SAR (measured) = 0.411 mW/g



Date/Time: 2010/7/19 15:31:09

Test Laboratory: Bureau Veritas ADT

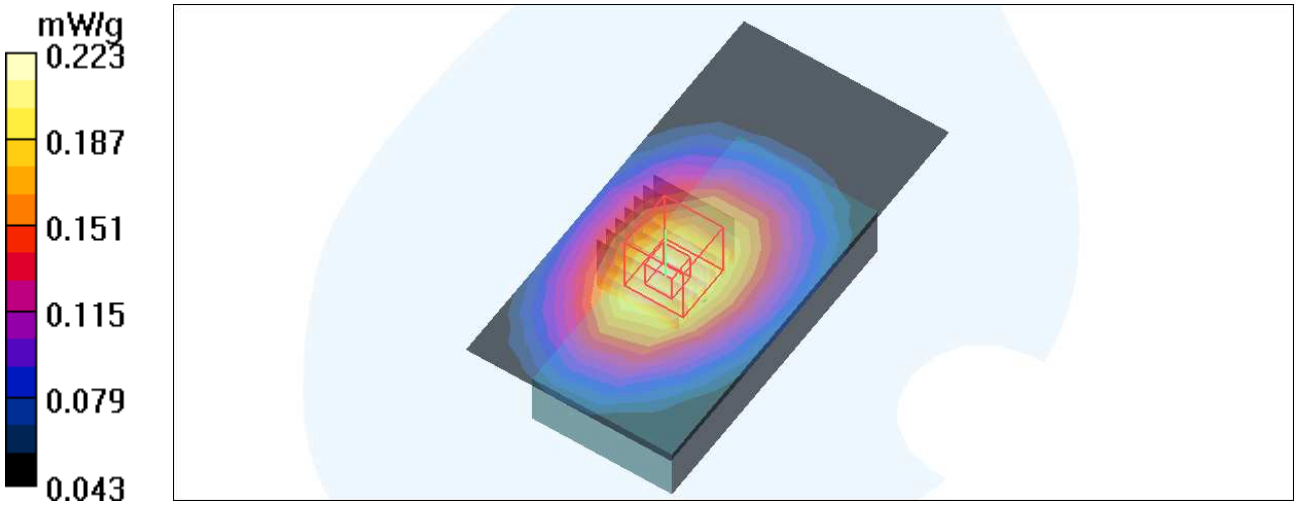
M17-15mm-Body Front LCD OUT- HSDPA 850 Ch4182

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 836.4 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
Medium: MSL835 Medium parameters used: f = 836.4 MHz; σ = 1 mho/m; ε_r = 55.7; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 15 mm (The front side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.2, 10.2, 10.2) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 4182/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.217 mW/g

Mid Channel 4182/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 14.5 V/m; Power Drift = -0.034 dB
Peak SAR (extrapolated) = 0.262 W/kg
SAR(1 g) = 0.201 mW/g; SAR(10 g) = 0.149 mW/g
Maximum value of SAR (measured) = 0.223 mW/g



Date/Time: 2010/7/19 16:01:44

Test Laboratory: Bureau Veritas ADT

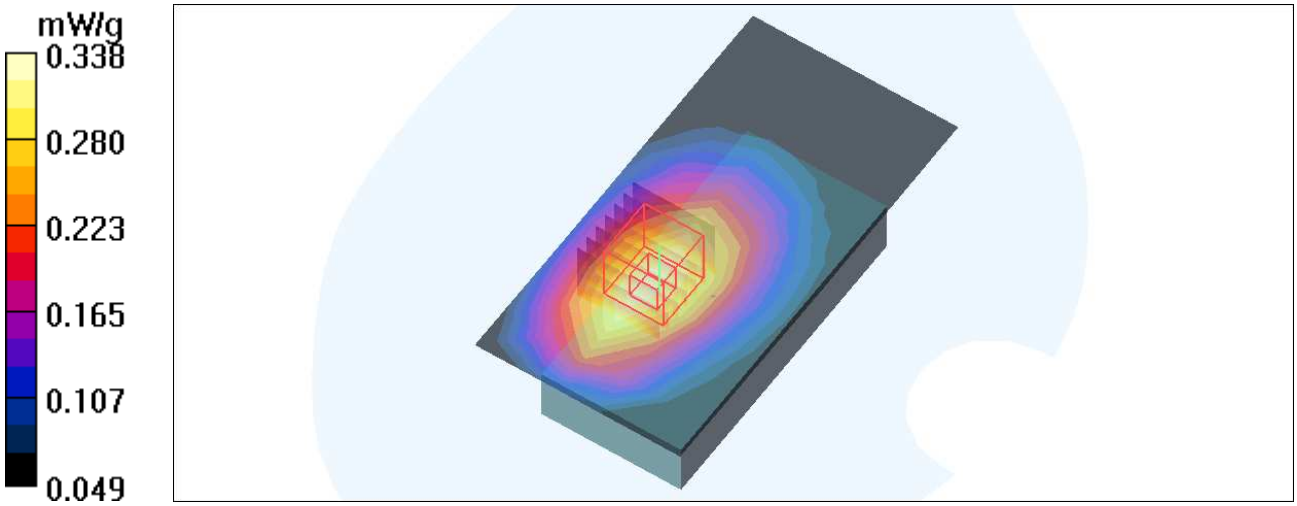
M18-15mm-Body Bottom LCD OUT- HSDPA 850 Ch4132

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 826.4 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
Medium: MSL835 Medium parameters used: f = 826.4 MHz; σ = 0.99 mho/m; ε_r = 55.8; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 15 mm (The bottom side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.2, 10.2, 10.2) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Low Channel 4132/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.342 mW/g

Low Channel 4132/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 16.7 V/m; Power Drift = -0.049 dB
Peak SAR (extrapolated) = 0.411 W/kg
SAR(1 g) = 0.303 mW/g; SAR(10 g) = 0.217 mW/g
Maximum value of SAR (measured) = 0.338 mW/g



Date/Time: 2010/7/19 16:30:49

Test Laboratory: Bureau Veritas ADT

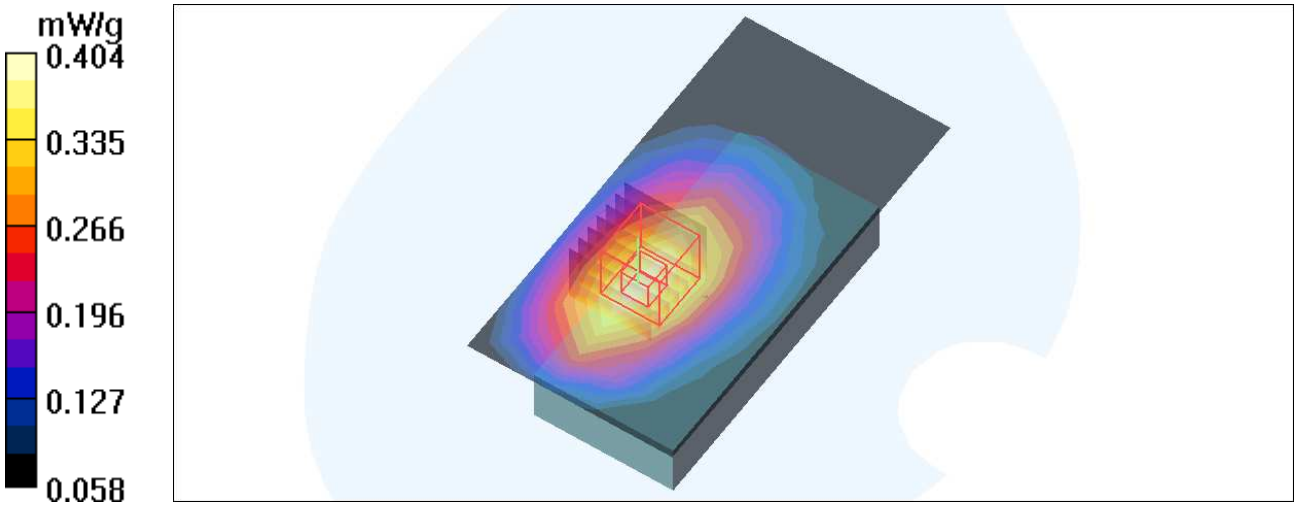
M18-15mm-Body Bottom LCD OUT- HSDPA 850 Ch4182

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 836.4 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
Medium: MSL835 Medium parameters used: f = 836.4 MHz; σ = 1 mho/m; ε_r = 55.7; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 15 mm (The bottom side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.2, 10.2, 10.2) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 4182/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.401 mW/g

Mid Channel 4182/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 18.3 V/m; Power Drift = 0.021 dB
Peak SAR (extrapolated) = 0.489 W/kg
SAR(1 g) = 0.360 mW/g; SAR(10 g) = 0.258 mW/g
Maximum value of SAR (measured) = 0.404 mW/g



Date/Time: 2010/7/19 17:02:20

Test Laboratory: Bureau Veritas ADT

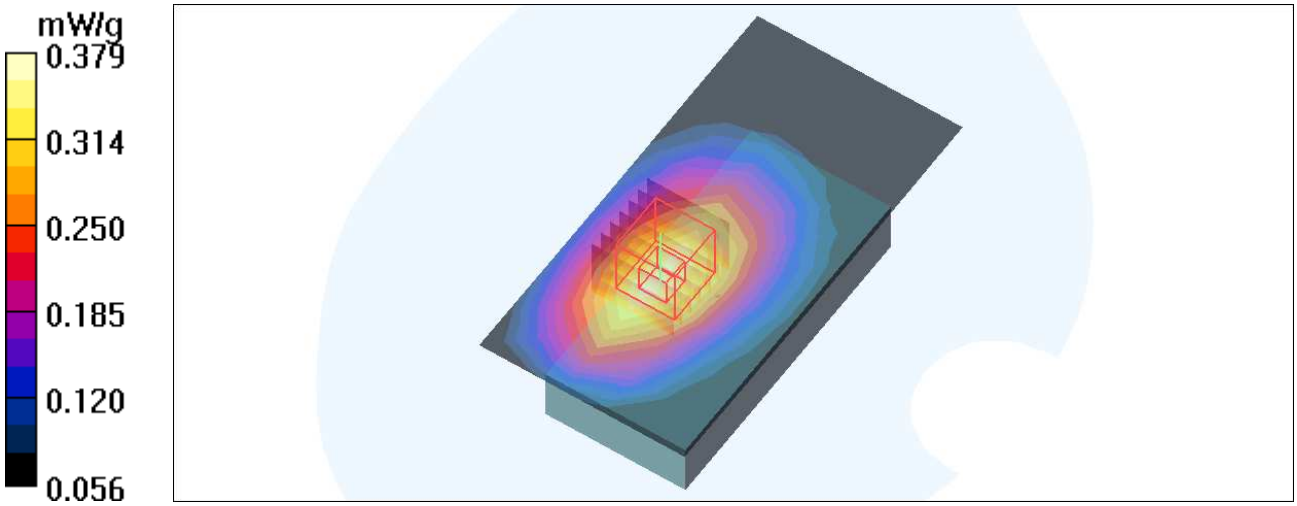
M18-15mm-Body Bottom LCD OUT- HSDPA 850 Ch4233

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 846.6 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
Medium: MSL835 Medium parameters used (extrapolated): f = 846.6 MHz; σ = 1.01 mho/m; ε_r = 55.6; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 15 mm (The bottom side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.2, 10.2, 10.2) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

High Channel 4233/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.370 mW/g

High Channel 4233/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 17.7 V/m; Power Drift = 0.089 dB
Peak SAR (extrapolated) = 0.456 W/kg
SAR(1 g) = 0.336 mW/g; SAR(10 g) = 0.240 mW/g
Maximum value of SAR (measured) = 0.379 mW/g



Date/Time: 2010/7/19 17:32:46

Test Laboratory: Bureau Veritas ADT

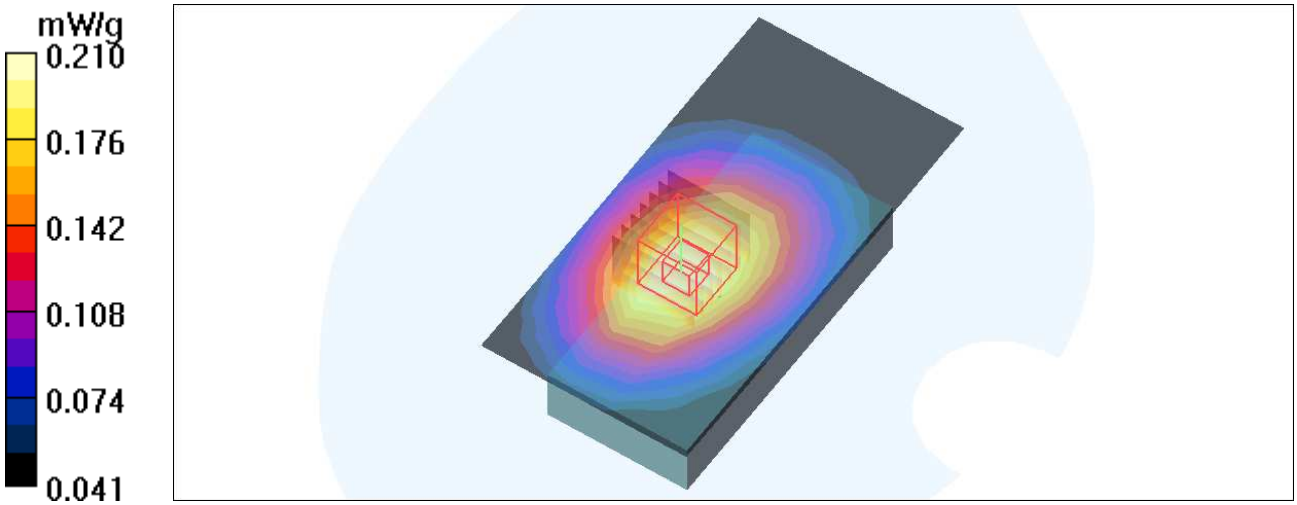
M19-15mm-Body Front LCD OUT- HSUPA 850 Ch4182

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 836.4 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
Medium: MSL835 Medium parameters used: f = 836.4 MHz; σ = 1 mho/m; ε_r = 55.7; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 15 mm (The front side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.2, 10.2, 10.2) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 4182/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.214 mW/g

Mid Channel 4182/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 14.3 V/m; Power Drift = -0.133 dB
Peak SAR (extrapolated) = 0.242 W/kg
SAR(1 g) = 0.189 mW/g; SAR(10 g) = 0.141 mW/g
Maximum value of SAR (measured) = 0.210 mW/g



Date/Time: 2010/7/19 18:01:43

Test Laboratory: Bureau Veritas ADT

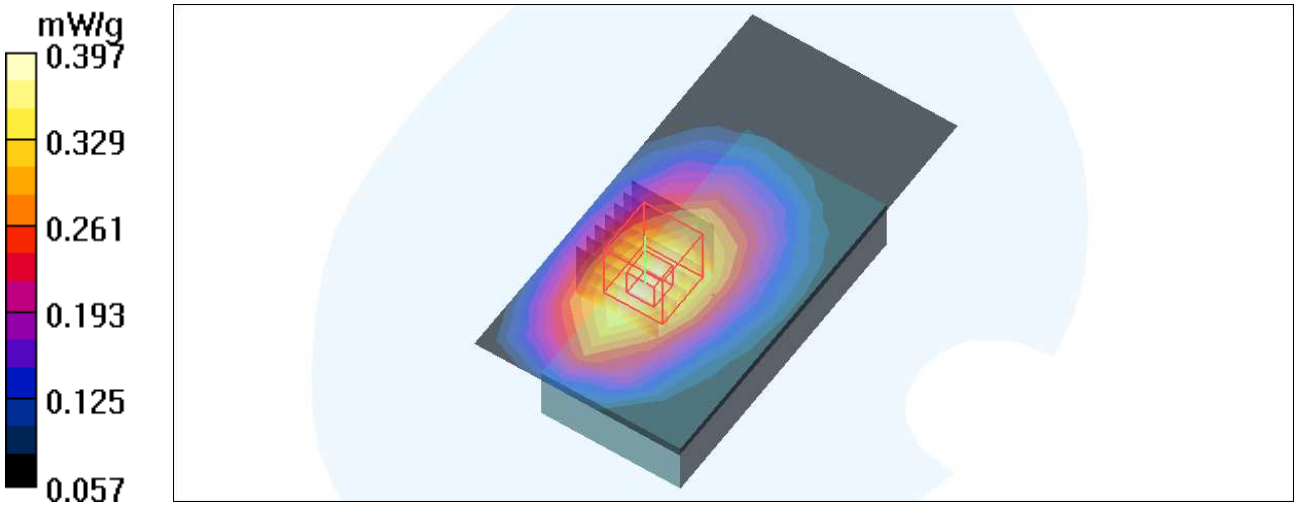
M20-15mm-Body Bottom LCD OUT- HSUPA 850 Ch4132

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 826.4 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
Medium: MSL835 Medium parameters used: f = 826.4 MHz; σ = 0.99 mho/m; ε_r = 55.8; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 15 mm (The bottom of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.2, 10.2, 10.2) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Low Channel 4132/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.395 mW/g

Low Channel 4132/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 18.0 V/m; Power Drift = 0.022 dB
Peak SAR (extrapolated) = 0.481 W/kg
SAR(1 g) = 0.354 mW/g; SAR(10 g) = 0.253 mW/g
Maximum value of SAR (measured) = 0.397 mW/g



Date/Time: 2010/7/19 18:33:49

Test Laboratory: Bureau Veritas ADT

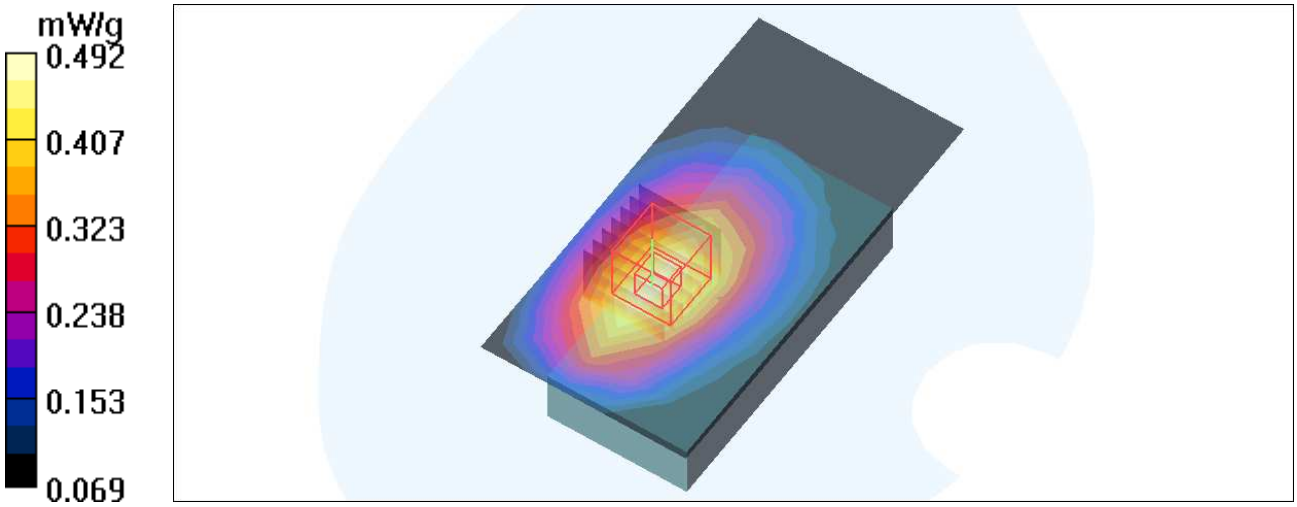
M20-15mm-Body Bottom LCD OUT- HSUPA 850 Ch4182

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 836.4 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
Medium: MSL835 Medium parameters used: f = 836.4 MHz; σ = 1 mho/m; ε_r = 55.7; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 15 mm (The bottom side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.2, 10.2, 10.2) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 4182/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.486 mW/g

Mid Channel 4182/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 19.9 V/m; Power Drift = 0.096 dB
Peak SAR (extrapolated) = 0.596 W/kg
SAR(1 g) = 0.439 mW/g; SAR(10 g) = 0.314 mW/g
Maximum value of SAR (measured) = 0.492 mW/g



Date/Time: 2010/7/19 19:02:27

Test Laboratory: Bureau Veritas ADT

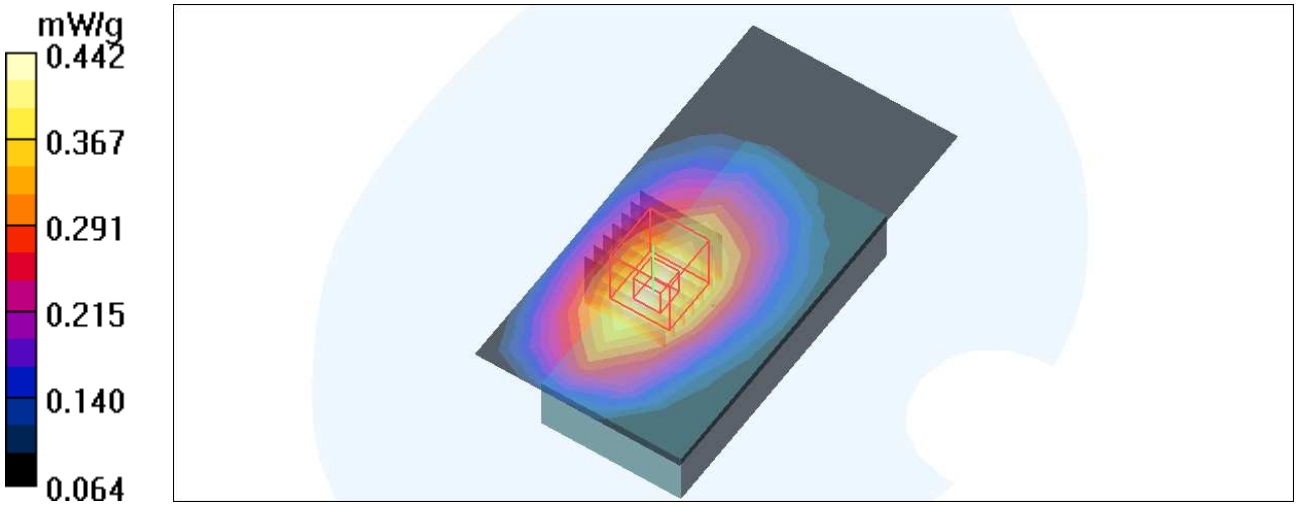
M20-15mm-Body Bottom LCD OUT- HSUPA 850 Ch4233

DUT: Mobile Phone ; Type: F-01C
Communication System: WCDMA Band 5 ; Frequency: 846.6 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
Medium: MSL835 Medium parameters used (extrapolated): f = 846.6 MHz; σ = 1.01 mho/m; ε_r = 55.6; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 15 mm (The bottom side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.2, 10.2, 10.2) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

High Channel 4233/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.435 mW/g

High Channel 4233/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 19.1 V/m; Power Drift = 0.033 dB
Peak SAR (extrapolated) = 0.534 W/kg
SAR(1 g) = 0.393 mW/g; SAR(10 g) = 0.281 mW/g
Maximum value of SAR (measured) = 0.442 mW/g



Date/Time: 2010/7/20 02:08:23

Test Laboratory: Bureau Veritas ADT

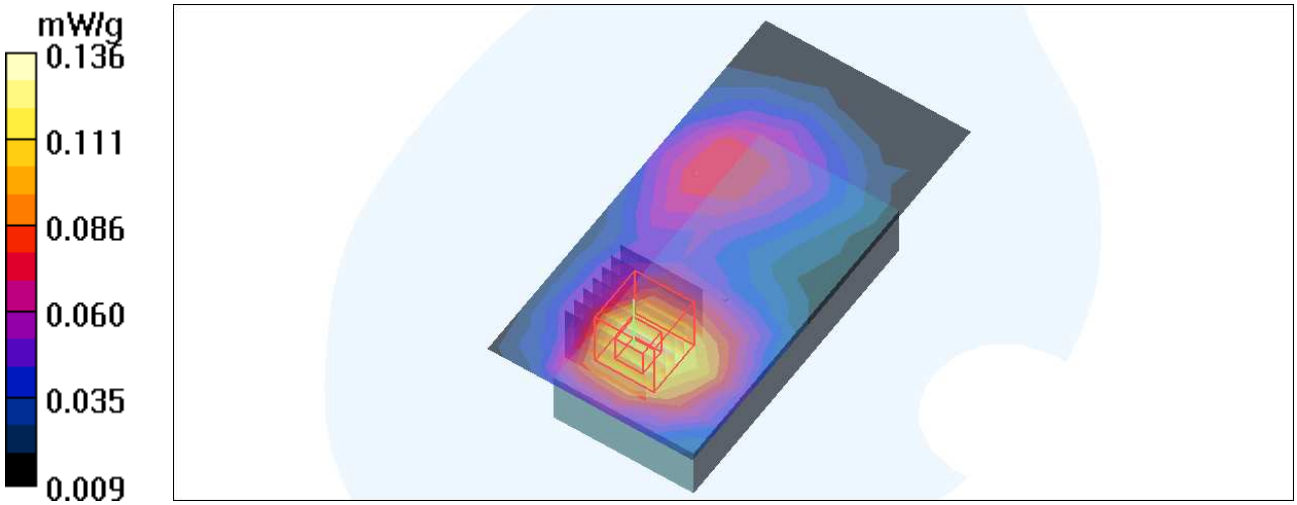
M21-15mm-Body Front- GSM 1900 Ch661

DUT: Mobile Phone ; Type: F-01C
Communication System: PCS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:8.3; Modulation type: GMSK
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.56 mho/m; ε_r = 54; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 15 mm (The front side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 661/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.123 mW/g

Mid Channel 661/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 4.50 V/m; Power Drift = 0.102 dB
Peak SAR (extrapolated) = 0.195 W/kg
SAR(1 g) = 0.116 mW/g; SAR(10 g) = 0.073 mW/g
Maximum value of SAR (measured) = 0.136 mW/g



Date/Time: 2010/7/20 03:02:15

Test Laboratory: Bureau Veritas ADT

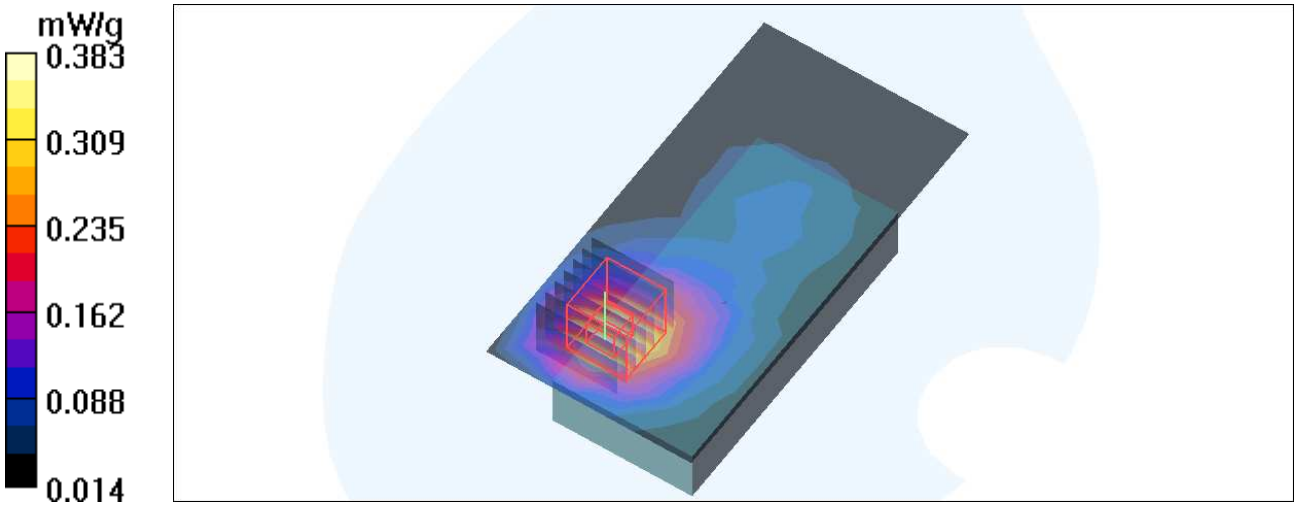
M22-15mm-Body Bottom- PCS 1900 Ch512

DUT: Mobile Phone ; Type: F-01C
Communication System: PCS 1900 ; Frequency: 1850.2 MHz ; Duty Cycle: 1:8.3; Modulation type: GMSK
Medium: MSL1900 Medium parameters used: f = 1850.2 MHz; σ = 1.53 mho/m; ε_r = 54; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The bottom side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Low Channel 512/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.374 mW/g

Low Channel 512/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 6.97 V/m; Power Drift = 0.052 dB
Peak SAR (extrapolated) = 0.524 W/kg
SAR(1 g) = 0.321 mW/g; SAR(10 g) = 0.192 mW/g
Maximum value of SAR (measured) = 0.383 mW/g



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Test Laboratory: Bureau Veritas ADT

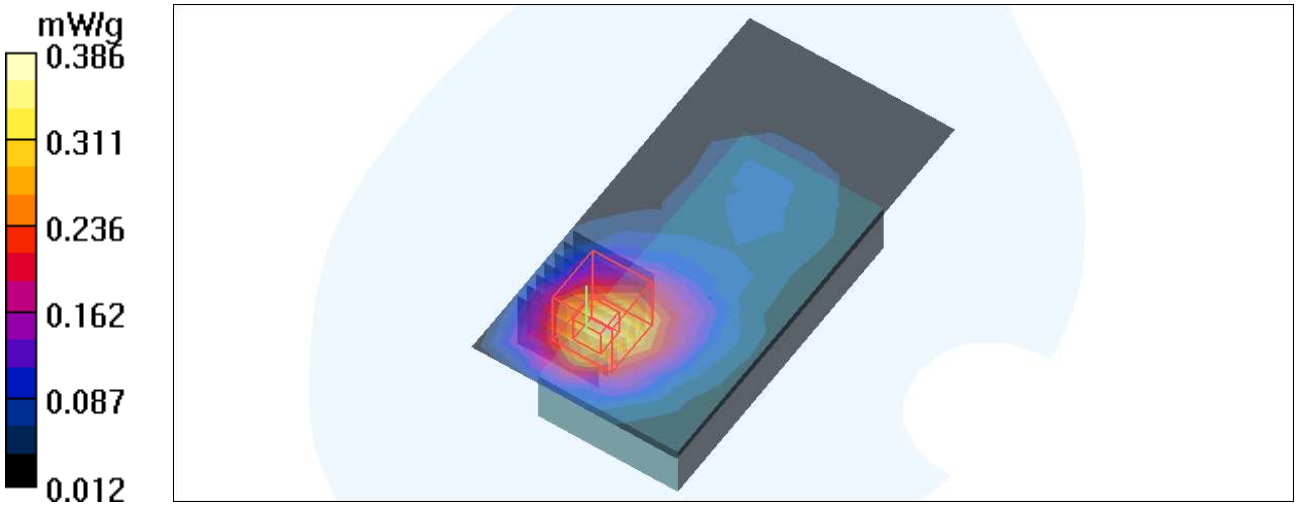
M22-15mm-Body Bottom- PCS 1900 Ch661

DUT: Mobile Phone ; Type: F-01C
Communication System: PCS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:8.3; Modulation type: GMSK
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.56 mho/m; ε_r = 54; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The bottom side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 661/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.368 mW/g

Mid Channel 661/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 6.59 V/m; Power Drift = -0.093 dB
Peak SAR (extrapolated) = 0.540 W/kg
SAR(1 g) = 0.325 mW/g; SAR(10 g) = 0.190 mW/g
Maximum value of SAR (measured) = 0.386 mW/g



Date/Time: 2010/7/20 05:02:43

Test Laboratory: Bureau Veritas ADT

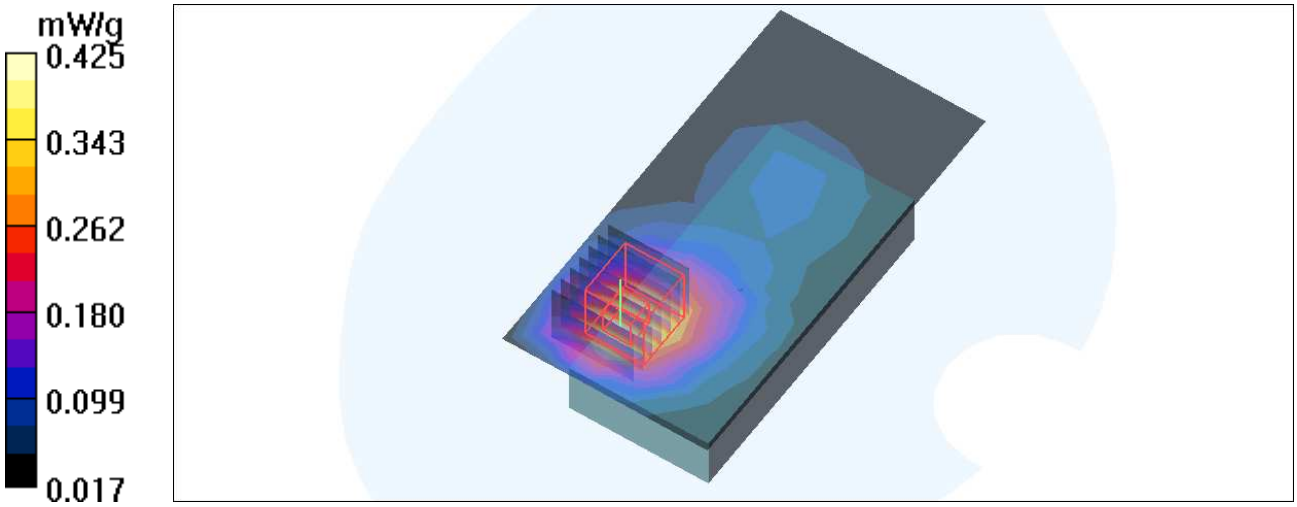
M22-15mm-Body Bottom- PCS 1900 Ch810

DUT: Mobile Phone ; Type: F-01C
Communication System: PCS 1900 ; Frequency: 1909.8 MHz ; Duty Cycle: 1:8.3; Modulation type: GMSK
Medium: MSL1900 Medium parameters used: f = 1909.8 MHz; σ = 1.58 mho/m; ε_r = 54; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The bottom side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

High Channel 810/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.414 mW/g

High Channel 810/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 6.84 V/m; Power Drift = 0.048 dB
Peak SAR (extrapolated) = 0.596 W/kg
SAR(1 g) = 0.355 mW/g; SAR(10 g) = 0.210 mW/g
Maximum value of SAR (measured) = 0.425 mW/g



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Test Laboratory: Bureau Veritas ADT

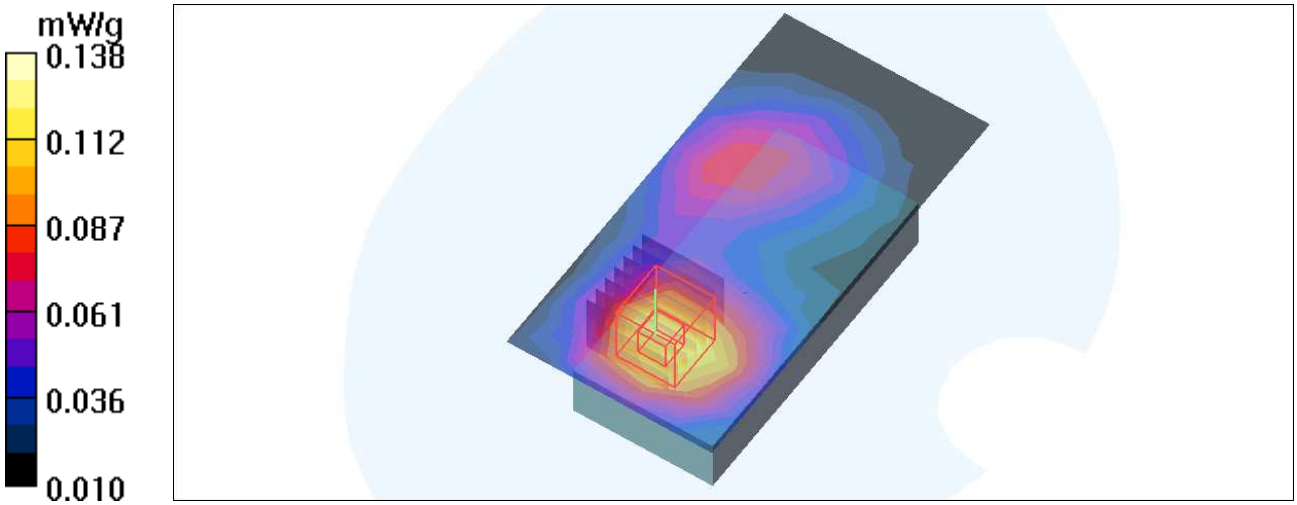
M23-15mm-Body Front- GPRS 1900 TS1 Ch661

DUT: Mobile Phone ; Type: F-01C
Communication System: PCS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:8.3; Modulation type: GMSK
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.56 mho/m; ε_r = 54; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 15 mm (The front side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 661/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.125 mW/g

Mid Channel 661/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 4.83 V/m; Power Drift = 0.195 dB
Peak SAR (extrapolated) = 0.182 W/kg
SAR(1 g) = 0.116 mW/g; SAR(10 g) = 0.072 mW/g
Maximum value of SAR (measured) = 0.138 mW/g



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Test Laboratory: Bureau Veritas ADT

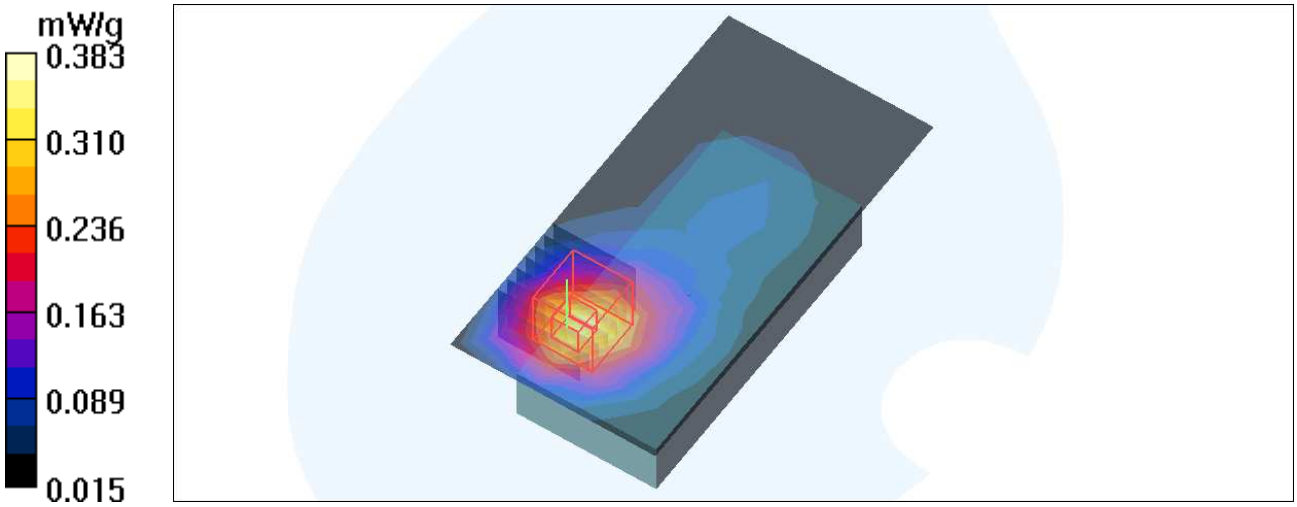
M24-15mm-Body Bottom- GPRS 1900 TS1 Ch512

DUT: Mobile Phone ; Type: F-01C
Communication System: PCS 1900 ; Frequency: 1850.2 MHz ; Duty Cycle: 1:8.3; Modulation type: GMSK
Medium: MSL1900 Medium parameters used: f = 1850.2 MHz; σ = 1.53 mho/m; ε_r = 54; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The bottom side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Low Channel 512/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.368 mW/g

Low Channel 512/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 6.97 V/m; Power Drift = 0.061 dB
Peak SAR (extrapolated) = 0.523 W/kg
SAR(1 g) = 0.321 mW/g; SAR(10 g) = 0.192 mW/g
Maximum value of SAR (measured) = 0.383 mW/g



Date/Time: 2010/7/20 08:01:06

Test Laboratory: Bureau Veritas ADT

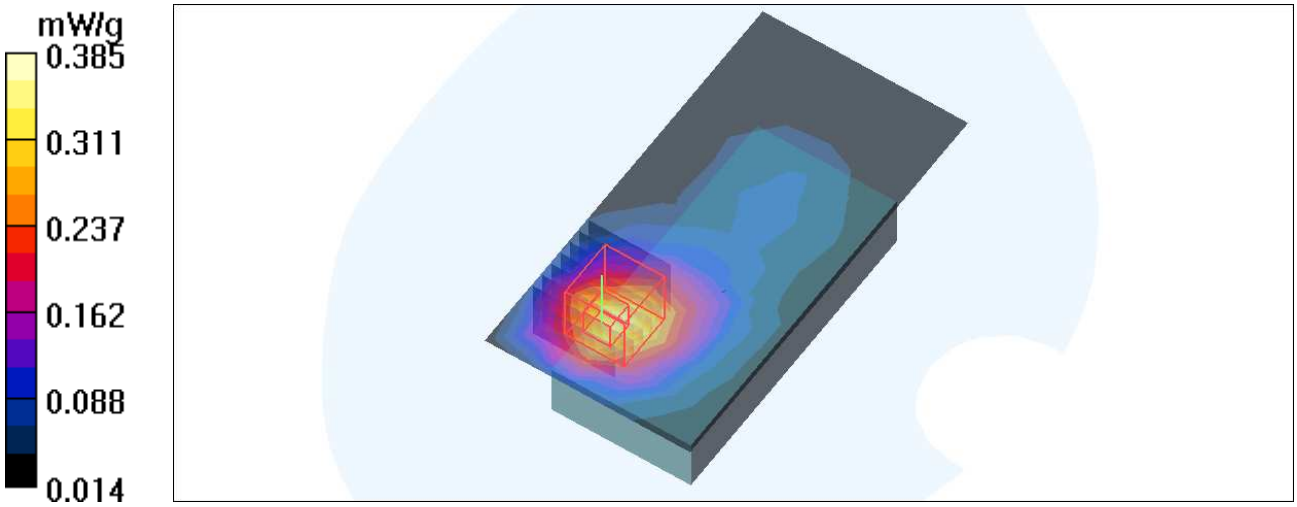
M24-15mm-Body Bottom- GPRS 1900 TS1 Ch661

DUT: Mobile Phone ; Type: F-01C
Communication System: PCS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:8.3; Modulation type: GMSK
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.56 mho/m; ε_r = 54; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The bottom side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 661/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.366 mW/g

Mid Channel 661/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 6.82 V/m; Power Drift = -0.148 dB
Peak SAR (extrapolated) = 0.534 W/kg
SAR(1 g) = 0.318 mW/g; SAR(10 g) = 0.189 mW/g
Maximum value of SAR (measured) = 0.385 mW/g



Date/Time: 2010/7/20 09:01:23

Test Laboratory: Bureau Veritas ADT

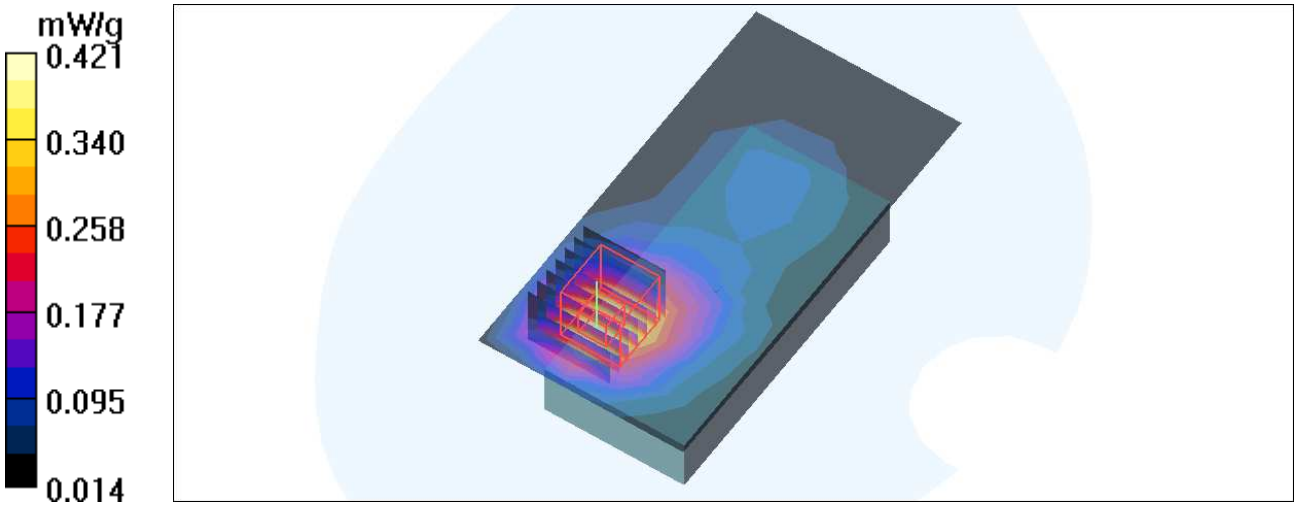
M24-15mm-Body Bottom- GPRS 1900 TS1 Ch810

DUT: Mobile Phone ; Type: F-01C
Communication System: PCS 1900 ; Frequency: 1909.8 MHz ; Duty Cycle: 1:8.3; Modulation type: GMSK
Medium: MSL1900 Medium parameters used: f = 1909.8 MHz; σ = 1.58 mho/m; ε_r = 54; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The bottom side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

High Channel 810/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.402 mW/g

High Channel 810/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 6.76 V/m; Power Drift = 0.092 dB
Peak SAR (extrapolated) = 0.600 W/kg
SAR(1 g) = 0.350 mW/g; SAR(10 g) = 0.206 mW/g
Maximum value of SAR (measured) = 0.421 mW/g



Date/Time: 2010/7/20 10:02:58

Test Laboratory: Bureau Veritas ADT

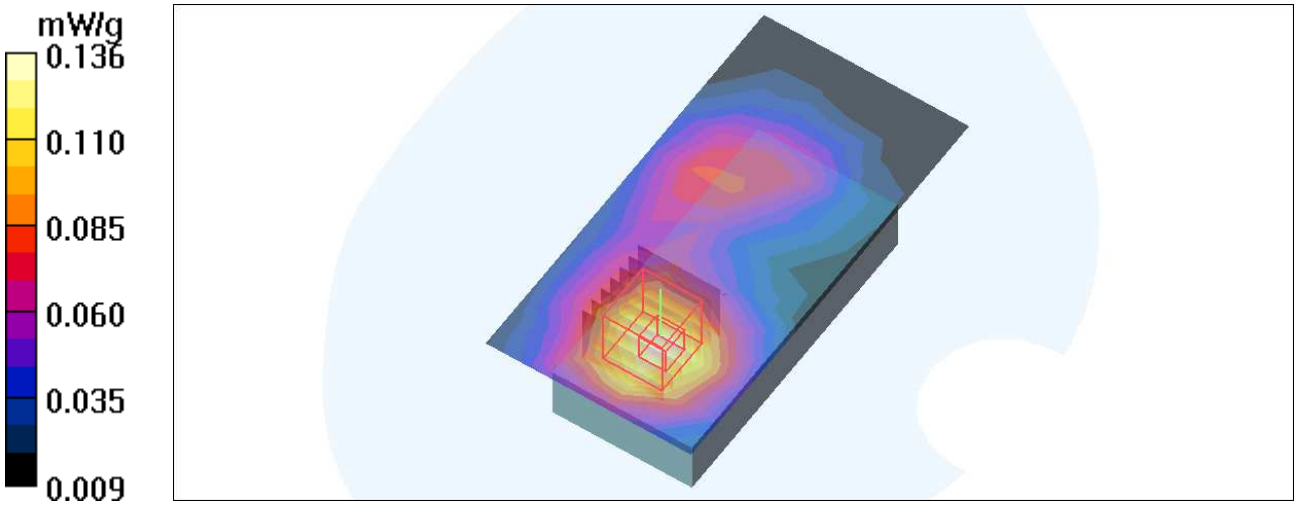
M25-15mm-Body Front- LCD OUT- GSM 1900 Ch512

DUT: Mobile Phone ; Type: F-01C
Communication System: PCS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:8.3; Modulation type: GMSK
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.56 mho/m; ε_r = 54; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 15 mm (The front side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 661/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.140 mW/g

Mid Channel 661/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 5.39 V/m; Power Drift = 0.054 dB
Peak SAR (extrapolated) = 0.181 W/kg
SAR(1 g) = 0.115 mW/g; SAR(10 g) = 0.073 mW/g
Maximum value of SAR (measured) = 0.136 mW/g



Date/Time: 2010/7/20 11:05:33

Test Laboratory: Bureau Veritas ADT

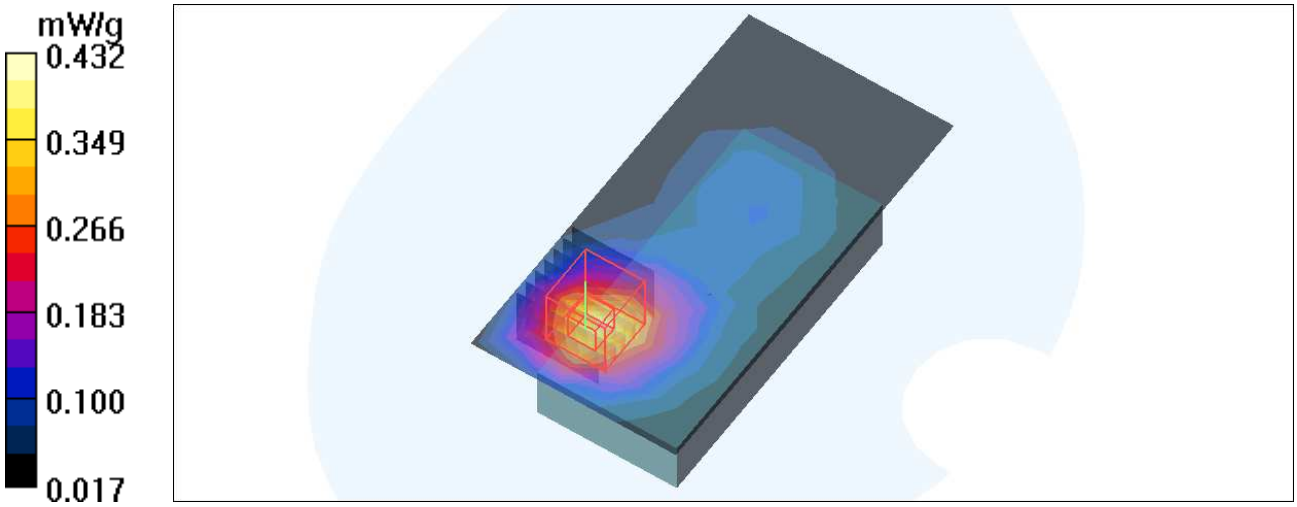
M26-15mm-Body Bottom LCD OUT- GSM 1900 Ch512

DUT: Mobile Phone ; Type: F-01C
Communication System: PCS 1900 ; Frequency: 1850.2 MHz ; Duty Cycle: 1:8.3; Modulation type: GMSK
Medium: MSL1900 Medium parameters used: f = 1850.2 MHz; σ = 1.53 mho/m; ε_r = 54; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The bottom side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Low Channel 512/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.407 mW/g

Low Channel 512/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 7.41 V/m; Power Drift = 0.015 dB
Peak SAR (extrapolated) = 0.591 W/kg
SAR(1 g) = 0.358 mW/g; SAR(10 g) = 0.209 mW/g
Maximum value of SAR (measured) = 0.432 mW/g



Date/Time: 2010/7/20 12:18:08

Test Laboratory: Bureau Veritas ADT

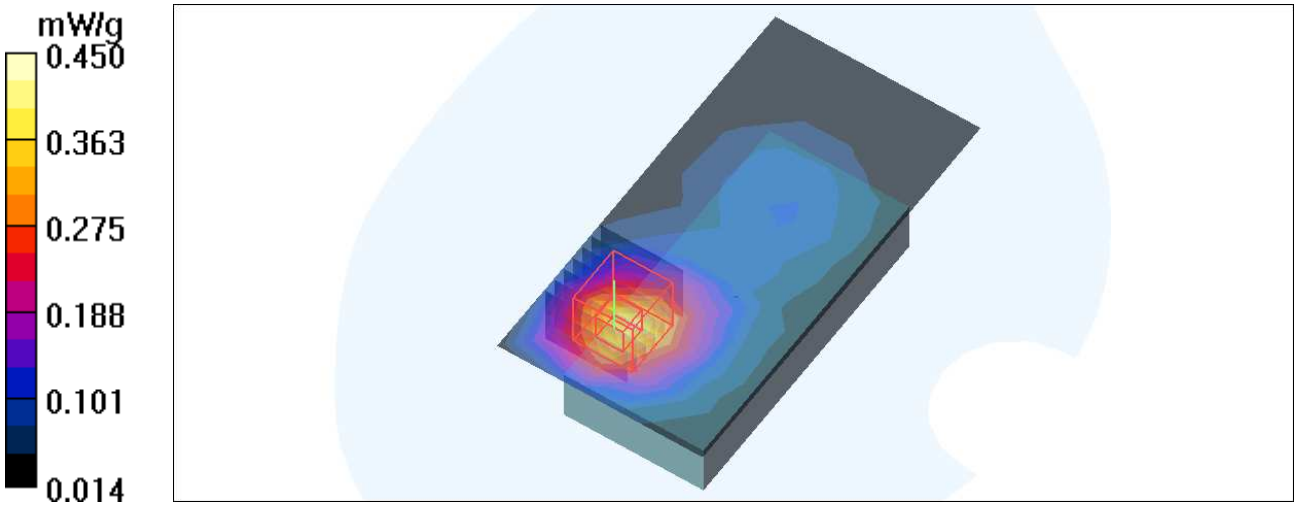
M26-15mm-Body Bottom LCD OUT- GSM 1900 Ch661

DUT: Mobile Phone ; Type: F-01C
Communication System: PCS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:8.3; Modulation type: GMSK
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.56 mho/m; ε_r = 54; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The bottom side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 661/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.421 mW/g

Mid Channel 661/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 7.10 V/m; Power Drift = 0.113 dB
Peak SAR (extrapolated) = 0.614 W/kg
SAR(1 g) = 0.369 mW/g; SAR(10 g) = 0.216 mW/g
Maximum value of SAR (measured) = 0.450 mW/g



Date/Time: 2010/7/20 13:05:05

Test Laboratory: Bureau Veritas ADT

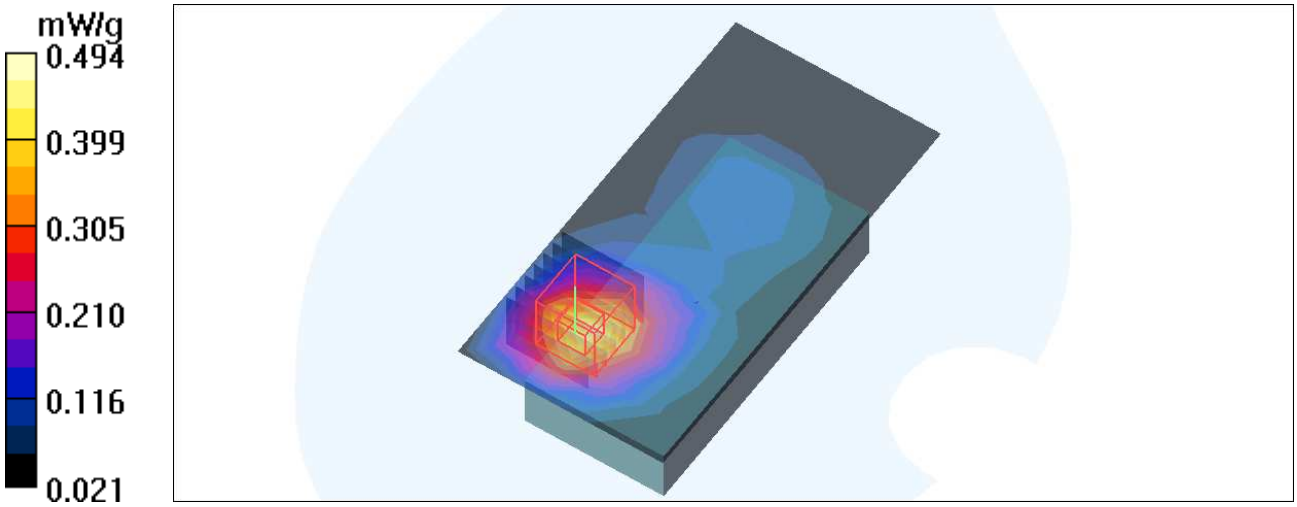
M26-15mm-Body Bottom LCD OUT- GSM 1900 Ch810

DUT: Mobile Phone ; Type: F-01C
Communication System: PCS 1900 ; Frequency: 1909.8 MHz ; Duty Cycle: 1:8.3; Modulation type: GMSK
Medium: MSL1900 Medium parameters used: f = 1909.8 MHz; σ = 1.58 mho/m; ε_r = 54; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The bottom side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

High Channel 810/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.463 mW/g

High Channel 810/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 6.95 V/m; Power Drift = 0.068 dB
Peak SAR (extrapolated) = 0.674 W/kg
SAR(1 g) = 0.409 mW/g; SAR(10 g) = 0.239 mW/g
Maximum value of SAR (measured) = 0.494 mW/g



Date/Time: 2010/7/20 14:07:21

Test Laboratory: Bureau Veritas ADT

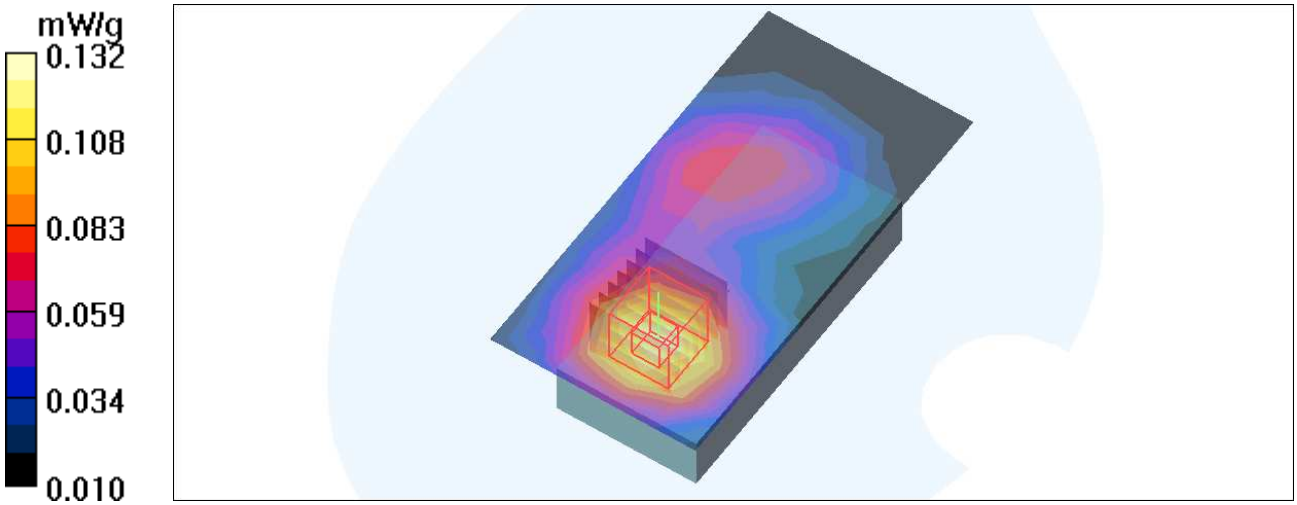
M27-15mm-Body Front- LCD OUT- GPRS 1900 TS1 Ch661

DUT: Mobile Phone ; Type: F-01C
Communication System: PCS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:8.3; Modulation type: GMSK
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.56 mho/m; ε_r = 54; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 15 mm (The front side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 661/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.129 mW/g

Mid Channel 661/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 5.50 V/m; Power Drift = -0.125 dB
Peak SAR (extrapolated) = 0.178 W/kg
SAR(1 g) = 0.111 mW/g; SAR(10 g) = 0.071 mW/g
Maximum value of SAR (measured) = 0.132 mW/g



Date/Time: 2010/7/20 15:09:52

Test Laboratory: Bureau Veritas ADT

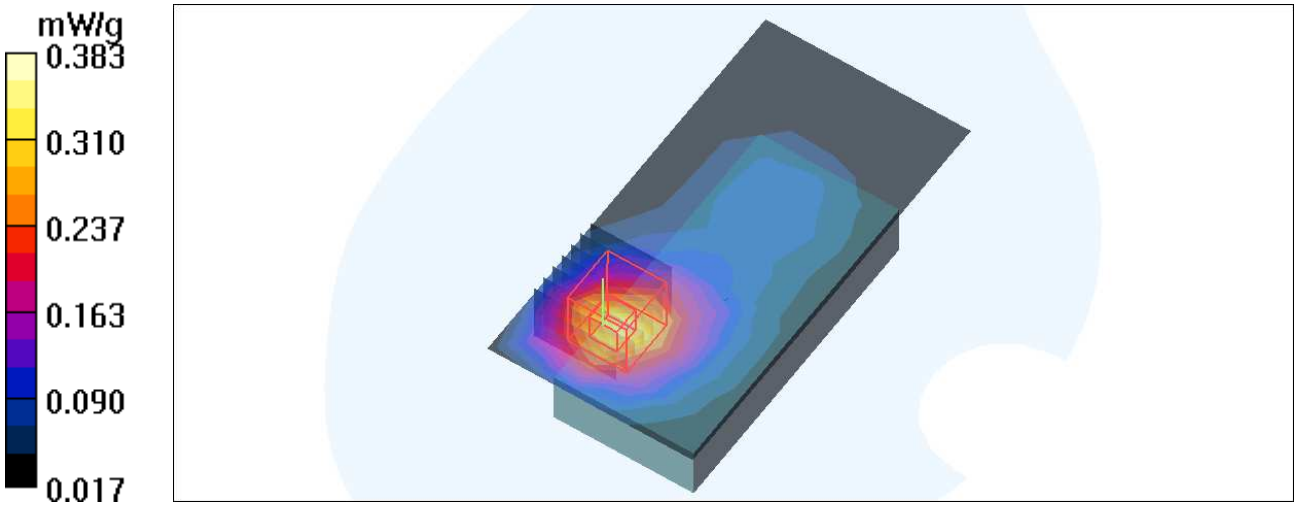
M28-15mm-Body Bottom LCD OUT- GPRS 1900 TS1 Ch512

DUT: Mobile Phone ; Type: F-01C
Communication System: PCS 1900 ; Frequency: 1850.2 MHz ; Duty Cycle: 1:8.3; Modulation type: GMSK
Medium: MSL1900 Medium parameters used: f = 1850.2 MHz; σ = 1.53 mho/m; ε_r = 54; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The bottom side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Low Channel 512/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.364 mW/g

Low Channel 512/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 7.31 V/m; Power Drift = -0.166 dB
Peak SAR (extrapolated) = 0.524 W/kg
SAR(1 g) = 0.319 mW/g; SAR(10 g) = 0.188 mW/g
Maximum value of SAR (measured) = 0.383 mW/g



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Test Laboratory: Bureau Veritas ADT

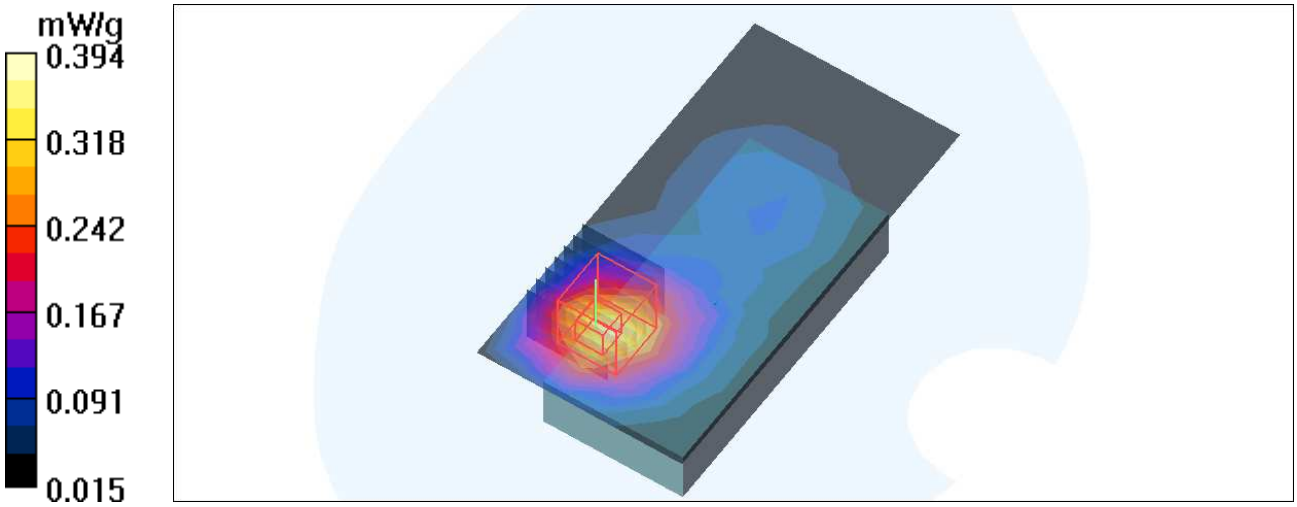
M28-15mm-Body Bottom LCD OUT- GPRS 1900 TS1 Ch661

DUT: Mobile Phone ; Type: F-01C
Communication System: PCS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:8.3; Modulation type: GMSK
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.56 mho/m; ε_r = 54; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The bottom side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 661/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.379 mW/g

Mid Channel 661/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 6.82 V/m; Power Drift = 0.165 dB
Peak SAR (extrapolated) = 0.560 W/kg
SAR(1 g) = 0.328 mW/g; SAR(10 g) = 0.193 mW/g
Maximum value of SAR (measured) = 0.394 mW/g



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Test Laboratory: Bureau Veritas ADT

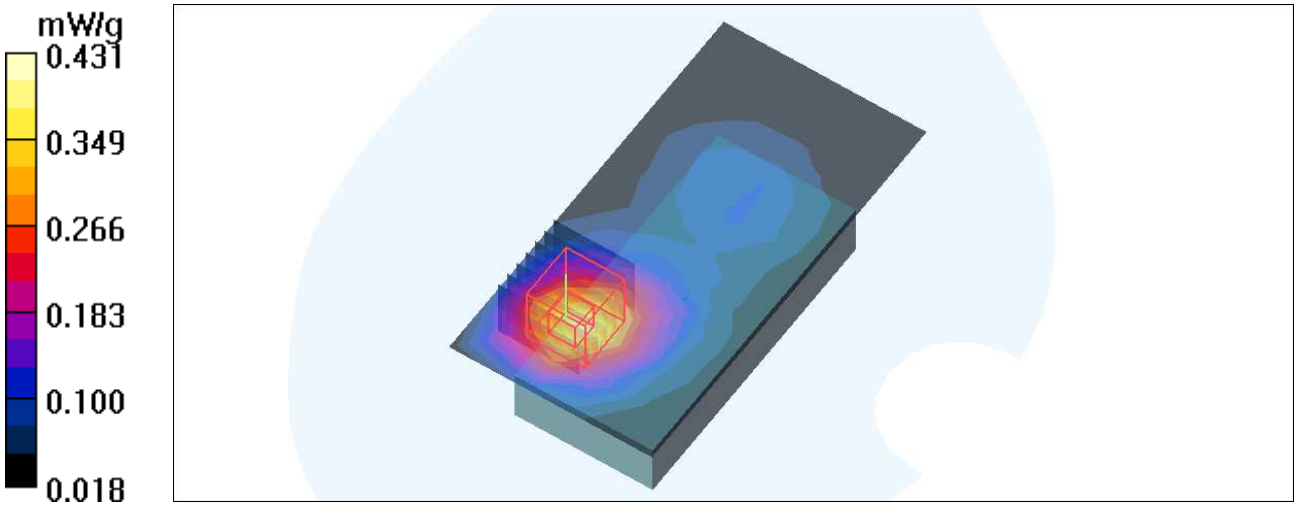
M28-15mm-Body Bottom LCD OUT- GPRS 1900 TS1 Ch810

DUT: Mobile Phone ; Type: F-01C
Communication System: PCS 1900 ; Frequency: 1909.8 MHz ; Duty Cycle: 1:8.3; Modulation type: GMSK
Medium: MSL1900 Medium parameters used: f = 1909.8 MHz; σ = 1.58 mho/m; ε_r = 54; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Separation distance : 10 mm (The bottom side of the EUT to the Phantom)

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

High Channel 810/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.415 mW/g

High Channel 810/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 6.59 V/m; Power Drift = 0.134 dB
Peak SAR (extrapolated) = 0.596 W/kg
SAR(1 g) = 0.358 mW/g; SAR(10 g) = 0.210 mW/g
Maximum value of SAR (measured) = 0.431 mW/g



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Test Laboratory: Bureau Veritas ADT

System Validation Check-HSL 835MHz

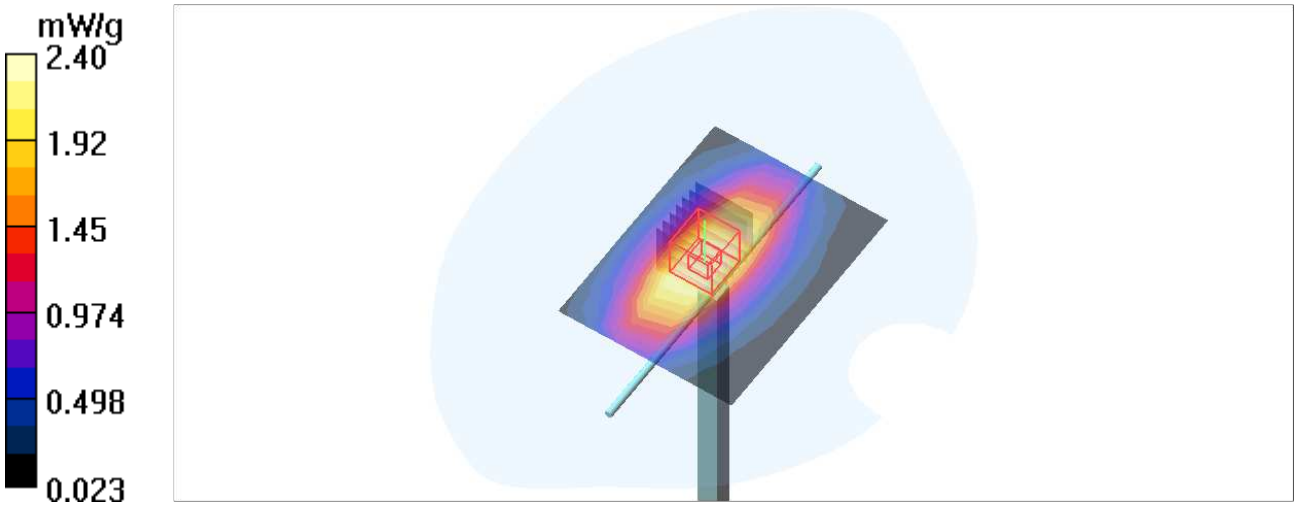
DUT: Dipole 850 MHz ; Type: D835V2 ; Serial: 4d021 ; Test Frequency: 835 MHz

Communication System: CW ; Frequency: 835 MHz; Duty Cycle: 1:1; Modulation type: CW
Medium: HSL835;Medium parameters used: f = 835 MHz; σ = 0.92 mho/m; ε_r = 42.1; ρ = 1000 kg/m^3 ;
Liquid level : 151 mm
Phantom section: Flat Section ; Separation distance : 15 mm (The feetpoint of the dipole to the Phantom)Air temp. : 23 degrees ; Liquid temp. : 22.7 degrees

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.25, 10.25, 10.25) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

d=15mm, Pin=250mW/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.40 mW/g

d=15mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 55.4 V/m; Power Drift = -0.145 dB
Peak SAR (extrapolated) = 3.58 W/kg
SAR(1 g) = 2.34 mW/g; SAR(10 g) = 1.53 mW/g
Maximum value of SAR (measured) = 2.76 mW/g



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Test Laboratory: Bureau Veritas ADT

System Validation Check-HSL 1900MHz

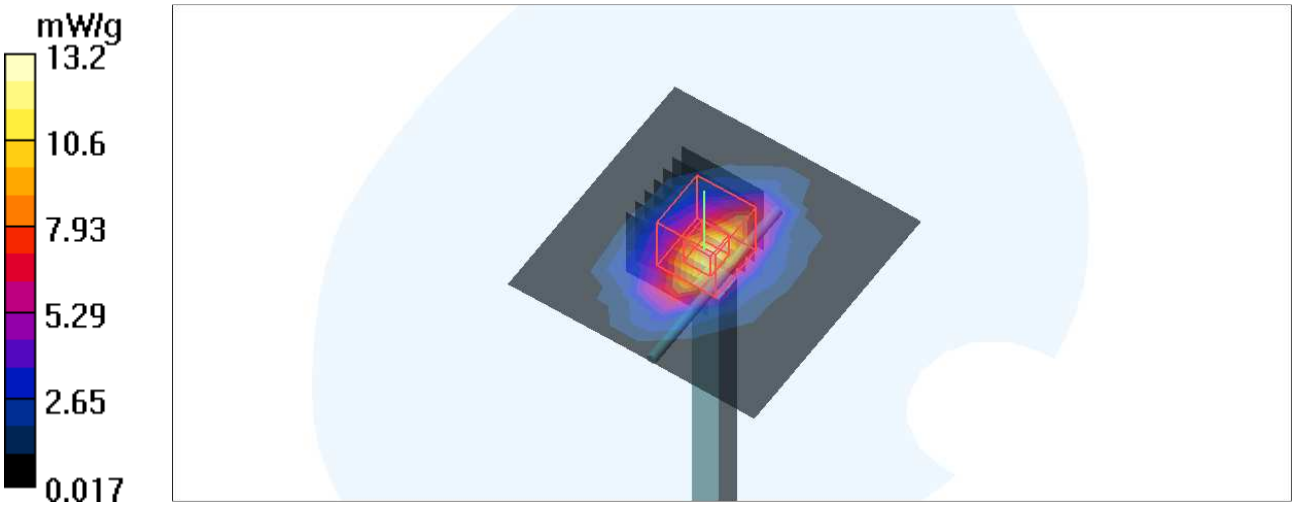
DUT: Dipole 1900 MHz ; Type: D1900V2 ; Serial: 5d036 ; Test Frequency: 1900 MHz

Communication System: CW ; Frequency: 1900 MHz; Duty Cycle: 1:1; Modulation type: CW
Medium: HSL1900;Medium parameters used: f = 1900 MHz; σ = 1.45 mho/m; ε_r = 40.8; ρ = 1000 kg/m^3 ;
Liquid level : 152 mm
Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom)Air temp. : 22.8 degrees ; Liquid temp. : 22.6 degrees

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

d=10mm, Pin=250mW/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 13.2 mW/g

d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 96.0 V/m; Power Drift = 0.023 dB
Peak SAR (extrapolated) = 20.6 W/kg
SAR(1 g) = 10.4 mW/g; SAR(10 g) = 5.28 mW/g
Maximum value of SAR (measured) = 13.4 mW/g



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Test Laboratory: Bureau Veritas ADT

System Validation Check-MSL 835MHz

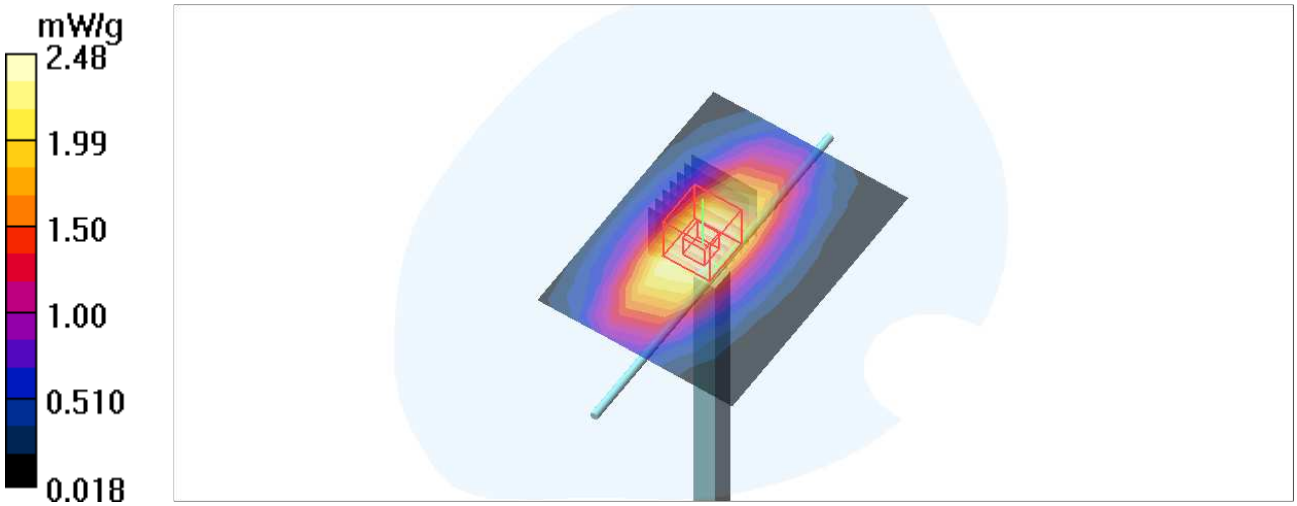
DUT: Dipole 850 MHz ; Type: D835V2 ; Serial: 4d021 ; Test Frequency: 835 MHz

Communication System: CW ; Frequency: 835 MHz; Duty Cycle: 1:1; Modulation type: CW
Medium: MSL835;Medium parameters used: f = 835 MHz; σ = 1 mho/m; ε_r = 55.7; ρ = 1000 kg/m^3 ;
Liquid level : 151 mm
Phantom section: Flat Section ; Separation distance : 15 mm (The feetpoint of the dipole to the Phantom)Air temp. : 23 degrees ; Liquid temp. : 22.7 degrees

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(10.2, 10.2, 10.2) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

d=15mm, Pin=250mW/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.48 mW/g

d=15mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 53.7 V/m; Power Drift = -0.035 dB
Peak SAR (extrapolated) = 3.68 W/kg
SAR(1 g) = 2.43 mW/g; SAR(10 g) = 1.58 mW/g
Maximum value of SAR (measured) = 2.85 mW/g



Date/Time: 2010/7/20 01:23:38

Test Laboratory: Bureau Veritas ADT

System Validation Check-MSL 1900MHz

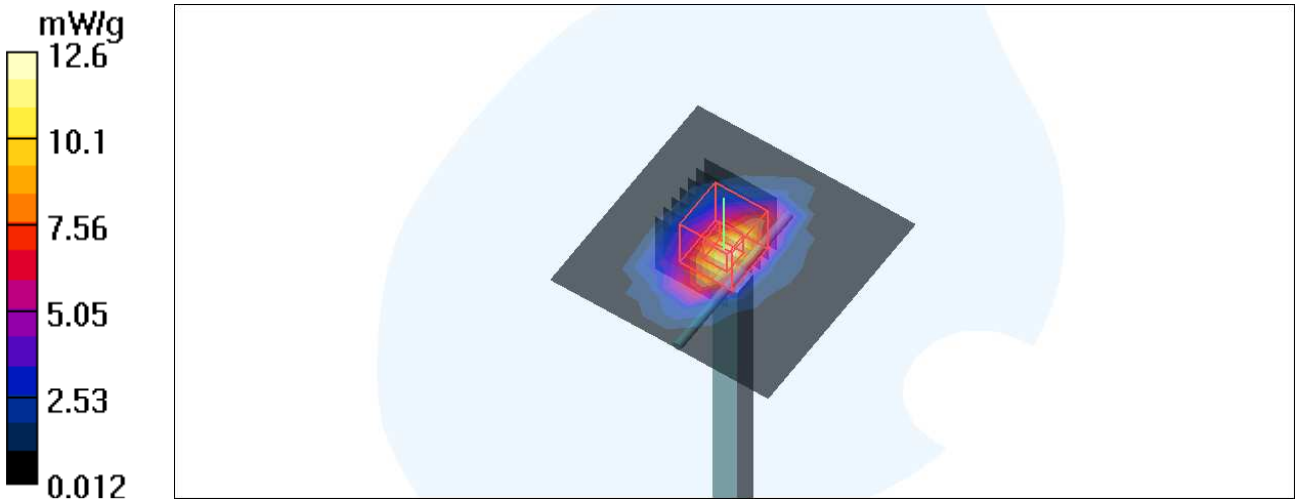
DUT: Dipole 1900 MHz ; Type: D1900V2 ; Serial: 5d036 ; Test Frequency: 1900 MHz

Communication System: CW ; Frequency: 1900 MHz; Duty Cycle: 1:1; Modulation type: CW
Medium: MSL1900;Medium parameters used: f = 1900 MHz; σ = 1.58 mho/m; ε_r = 54; ρ = 1000 kg/m^3 ;
Liquid level : 152 mm
Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom)Air temp. : 22.8 degrees ; Liquid temp. : 22.6 degrees

DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

d=10mm, Pin=250mW/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 12.6 mW/g

d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 85.1 V/m; Power Drift = 0.068 dB
Peak SAR (extrapolated) = 19.9 W/kg
SAR(1 g) = 10.5 mW/g; SAR(10 g) = 5.36 mW/g
Maximum value of SAR (measured) = 13.5 mW/g



Date/Time: 2010/8/8 00:23:38

Test Laboratory: Bureau Veritas ADT

System Validation Check-HSL 1900MHz 0808

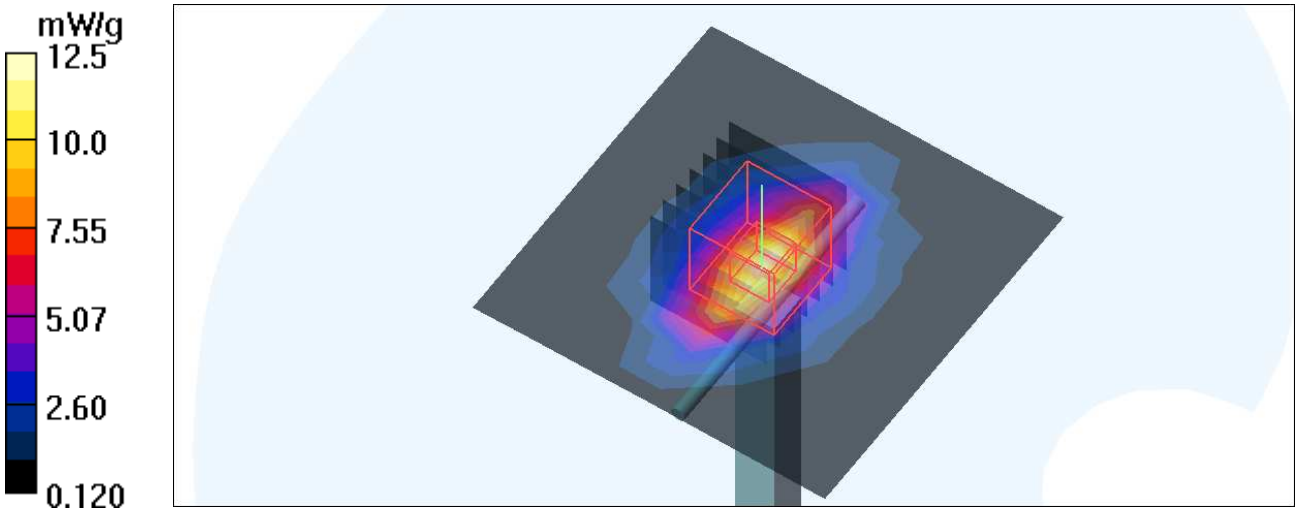
DUT: Dipole 1900 MHz ; Type: D1900V2 ; Serial: 5d036 ; Test Frequency: 1900 MHz

Communication System: CW ; Frequency: 1900 MHz; Duty Cycle: 1:1; Modulation type: CW
Medium: HSL1900;Medium parameters used: f = 1900 MHz; σ = 1.37 mho/m; ε_r = 41.6; ρ = 1000 kg/m^3 ;
Liquid level : 152 mm
Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom)Air temp. : 23.5 degrees ; Liquid temp. : 22.7 degrees

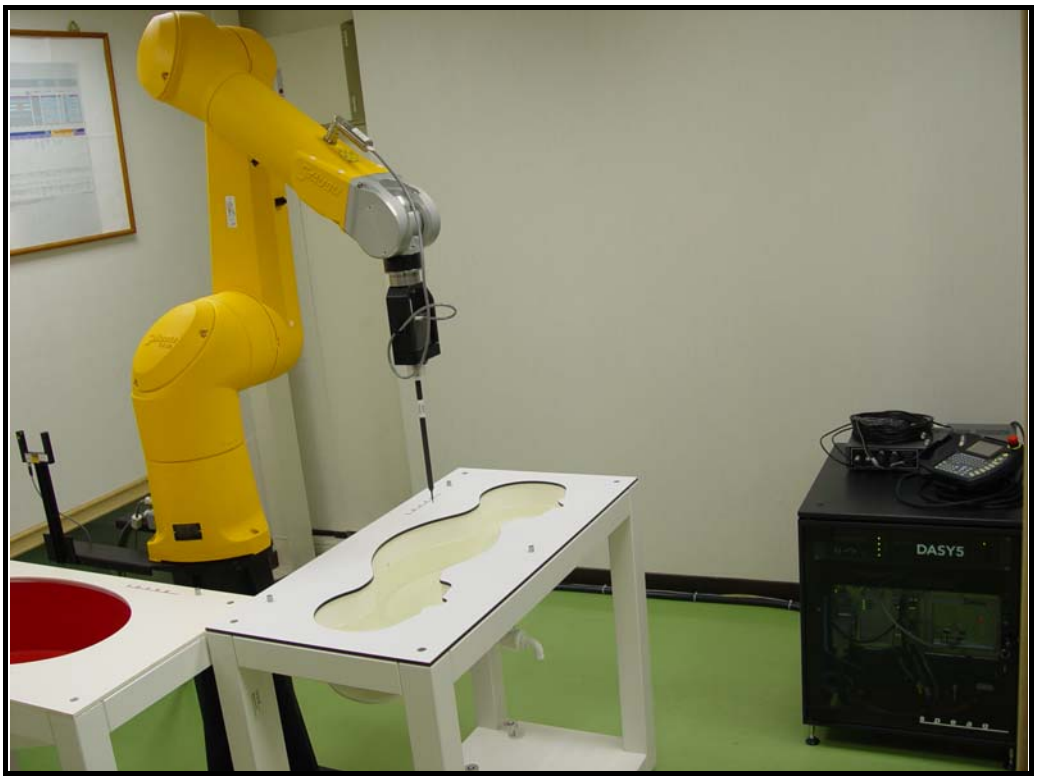
DASY4 Configuration:
- Probe: EX3DV4 - SN3590 ; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2010/1/22
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80 ; Postprocessing SW: SEMCAD, V1.8 Build

d=10mm, Pin=250mW/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 12.5 mW/g

d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 89.5 V/m; Power Drift = -0.087 dB
Peak SAR (extrapolated) = 19.1 W/kg
SAR(1 g) = 9.49 mW/g; SAR(10 g) = 4.82 mW/g



APPENDIX B: BV ADT SAR MEASUREMENT SYSTEM



APPENDIX C: PHOTOGRAPHS OF SYSTEM VALIDATION