TEST REPORT

Ref. Report No.
06-341-19-04

Name and address of the applicant

Ezze Mobile Tech., Inc.
1F, Bubmusa Bldg., 151-31, Nonhyun-dong,
Gangnam-gu, Seoul, Korea

Standard / Test regulation

FCC Part2；OET Bulletin 65, Supplement C(July 2001)

Test result

Pass

Incoming date : June 14, 2006

Test date : June 15 ~ 16 2006

Test item(s) ;

Dual Band GSM Phone

Model;

EZ800

Manufacturer ;

Ezze Mobile Tech., Inc

Additional information ;

-Required Authorization : Certification
-FCC ID. :RV2EZ800

Issue date : Jun 23, 2006

Tested and reported by

Jong-Gon Ban, Engineer

Reviewed by

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KOREA TESTING LABORATORY

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1. EQUIPMENT UNDER TEST

1.1 General Information :

1) Test Sample : Dual Band GSM/GPRS phone

2) Device Category : Portable Device

3) Model Number : EZ800

4) FCC ID : RV2EZ800

6) Applicant & Address : Ezze Mobile Tech., Inc.
1F, Bubmusa Bldg., 151-31, Nonhyun-dong,
Gangnam-gu, Seoul, Korea
Tel No. +82-02-519-7802 Fax No. +82-02-519-7882

7) Rule and Test Standard : - FCC 47 CFR § 2.1093; OET Bulletin 65, Supplement C(July 2001)

8) FCC Clasification : Licensed Portable Transmitter Held to Ear (PCE)

9) RF exposure Category : General Population/Uncontrolled

1.2 Description of Device :

Operation Modes	GSM850, PCS1900 GPRS850, GPRS1900(Class 8)
Device Output power	850MHz (33dBm), 1900MHz(30dBm)
Tx Frequency Range	824.2 ~ 848.8MHz (GSM850) 1850.2 ~ 1989.8MHz (PCS1900)
Rx Frequency Range	869.2 ~ 893.8MHz (GSM850) 1930.2 ~ 1989.8MHz (PCS1900)
Device Dimensions (L x W x H)	50 x 92 x 14.9mm
Antenna Type/ Location	Internal Type / The bottom of the EUT
Antenna Manufacturer	EMW (internal antenna)
Battery Type	Standard: 600mAh Li-Ion
EUT Features	Bluetooth Mode

2. DESCRIPTION OF SAR MEASREMENT SYSTEM

2.1 Probe Positioning System

The measurements were performed with the state of the automated near-field scanning system **DASY4 V4.6 Build 23** from Schmid & Partner Engineering AG (SPEAG). The system is based on a high precision 6-axis robot (working range greater that 1.1 m), which positions the SAR measurement probes with a positional repeatability of better than ± 0.02 mm. The DASY4 fully complies with the OET 65 C (01-01), IEEE 1528 and EN50361 SAR measurement requirements.

2.2 E-Field Probe Type and Performance

The SAR measurements were conducted with the dosimetric probe ET3DV6, SN : 1773 (manufactured by SPEAG) designed in the classical triangular configuration and optimised for dosimetric evaluation. The probe has been calibrated and found to be accurate to better than ± 0.25 dB. The probe is suitable for measurements close to material discontinuity at the surface of the phantom. The sensors of the probe are directly loaded with Schottky diodes and connected via highly resistive lines (length = 300 mm) to the data acquisition unit.

2.3 Data Acquisition Electronics

The data acquisition electronics (DAE4) consists of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain switching multiplexer, a fast 16 bit AD-converter and a command decoder and control logic unit. The input impedance of the DAE4 box is 200 Mohm; the inputs are symmetrical and floating. Common mode rejection is above 80 dB.Transmission to the PC-card 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-mounting device includes two different sensor systems for frontal and sideways probe contacts. They are used for mechanical surface detection and probe collision detection.

2.4 Phantom Properties

The phantom support structures were all non-metallic and spaced more than one device width away in transverse directions. For SAR testing in the head positions, a head section of SAM Twin Phantom from SPEAG was used and for SAR testing in the body worn positions, a flat section of SAM Twin Phantom was used. Table 1 provides a summary of the measured flat section phantom properties. The phantom was filled with the required tissue simulating liquid.

Table 1 : Flat Section Properties of SAM Twin Phantom

Phantom Properties	Requirement for specific EUT	Measured
Depth of Phantom	> 150 mm	200 mm
Width of flat section	> 10 cm (Twice EUT Width)	20 cm
Length of flat section	> 26 cm (Twice EUT Length)	30 cm
Thickness of fla section	2 mm ± 0.2 mm	2.08 ~ 2.20 mm

2.5 Device Holder for DASY4

The DASY4 device holder supplied by SPEAG 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 openings). The rotation centres for both scales is the ear opening. Thus the device needs no repositioning when changing the angles.
The DASY4 device holder is made of low-loss material having the following dielectric parameters : relative permittivity $\varepsilon_r = 3$ and loss tangent $\delta = 0.02$. The amount of dielectric material has been reduced in the closest vicinity of the device, to reduce the influence on the clamp on the test results. Refer to Appendix B of photograph of device positioning.

2.6 Brain & Muscle Simulating Mixture Characteristic

The brain and muscle mixtures consist of a viscous gel using hydroxethylcellulose (HEC) gelling agent and saline solution (see Table 2). Preservation with bacteriacide is added and visual inspection is made to make sure air bubbles are not trapped during the mixing process. The mixture is calibrated to obtain proper dielectric constant (permittivity) and conductivity of the desired tissue.

Table 2 : Composition of Tissue Equivalent Matter

Ingredients	835MHz Brain	835MHz Muscle	1900MHz Brain	1900MHz Muscle
Water	40.29%	50.75%	55.24%	70.23%
Sugar	57.90%	48.21%	-	-
Salt	1.38%	0.94%	0.31%	0.29%
DGBE	-	-	44.45%	29.47%
Bacteriacide	0.18%	0.10%	-	-
HEC	0.24%	-	-	-

3. System Verification

3.1 Tissue Verification

The dielectric parameters of the brain and muscle simulating liquid were measured prior to SAR assessment using the HP85070D dielectric probe kit and Agilent 8753ES Network Analyzer. The actual dielectric parameters are shown in the following table.

Table 3 : Measured Simulating Liquid Dielectric Values

Freq. MHz	Date	Head/ Body	parameters	Target Value	Measured Value	Deviation (%)	Deviation Limit (%)
850 MHz	6/15/2006	Head	ε_r	41.5	40.7	-2%	±5%
			σ	0.90	0.868	-4.6%	±5%
	6/15/2006	Body	ε_r	55.2	54.0	-2.2%	±5%
			σ	0.97	0.931	-4.1%	±5%
1900 MHz	6/16/2006	Head	ε_r	40.0	40.6	+1.5%	±5%
			σ	1.40	1.403	+0.2%	±5%
	6/16/2006	Body	ε_r	53.3	52.2	-2.1%	±5%
			σ	1.52	1.568	+3.1%	±5%

The humidity and dielectric/ambient temperatures are recorded during the assessment of the tissue material dielectric parameters. The difference between the ambient temperature of the liquid during the dielectric measurement and the temperature during tests was less than |2|°C.

Table 4 : Temperature and Humidity recorded

Date	Ambient Temperature(°C)	Liquid Temperature(°C)		Humidity(%)
		Head	Body	
15th June 2006	21.5	21.0	21.3	44
16th June 2006	22.0	21.5	21.8	46

3.2 System Validation

Prior to the SAR assessment, the system validation kit was used to verify that the DASY4 was operating within its specifications. The validation dipoles are highly symmetric and matched at the centre frequency for the specified liquid and distance to the phantom. The accurate distance between the liquid surface and the dipole centre is achieved with a distance holder that snaps onto the dipole.
System validation is performed by feeding a known power level into a reference dipole, set at a know distance from the phantom. The measured SAR is compared to the theoretically derived level.

Figure 1. Validation setup

The reference SAR values are derived using a reference dipole and flat phantom suitable. The forward power into the reference dipole for each SAR validation was adjusted to 250 mW. These reference SAR values are obtained from the IEEE Std 1528 and are normalized to 1 W.
The measured one-gram SAR should be within 10 % of the expected target reference values shown in table 5 below.

Table 5 : Deviation from Reference Validation Values

Validation Dipole Ant.	Date	Liquid Temp.(˚ C)	SAR_{1g} Target (mW/g)	Measured SAR_{1g} (mW/g)	Deviation(%)
D835V2 S/N:481	15th June 2006	21.0	9.5	9.76	+2.7
D1900V2 S/N:5d038	16th June 2006	21.5	39.7	39.12	-2.5

4. SAR MEASUREMENT PROCEDURE USING DASY4

The SAR evaluation was performed with the SPEAG DASY4 system. A summary of the procedure follows ;

a) A measurement of the SAR value at a fixed location is used as a reference value for assessing the power drop of the EUT. The SAR at this point is measured at the start of the test and then again at the end of the test.

b) The SAR distribution at the exposed side of the phantom is measured at a distance of 3.9 mm from the inner surface of the shell. The area covers the entire dimension of the EUT and the horizontal grid spacing is 15 mm x 15 mm(or 20mm x 20mm). The actual Area Scan has dimensions surrounding the test device. Based on this data, the area of the maximum absorption is determined by Spline interpolation.

c) Around this point, a volume is assessed by measuring 5 x 5 x 7 (7 x 7 x 7) points. On the basis of this data set, the spatial peak SAR value is evaluated with the following procedure ;

(i) The data at the surface are extrapolated, since the centre of the dipoles is 2.7 mm away from the tip of the probe and the distance between the surface and the lowest measuring point is 1.2 mm. The extrapolation is based on a least square algorithm. A polynomial of the fourth order is calculated through the points in z-axes. This polynomial is then used to evaluate the points between the surface and the probe tip.

(ii) The maximum interpolated value is searched with a straightforward algorithm. Around this maximum the SAR values averaged over the spatial volumes (1 g and 10 g) are computed using the 3D-Spline interpolation algorithm. The 3D-Spline is composed of three one-dimensional splines with the “Not a knot”- condition (in x, y and z-direction). The volume is integrated with the trapezoidal-algorithm. One thousand points (10 x 10 x 10) are interpolated to calculate the averages.

(iii) All neighbouring volumes are evaluated until no neighbouring volume with a higher average value is found.

(iv) The SAR value at the same location as in Step (a) is again measured

5. MEASUREMENT UNCERTAINTY

The uncertainty analysis is based on the template listed in the IEEE Std 1528-2003 for both EUT SAR tests and Validation uncertainty. The measurement uncertainty of a specific device is evaluated independently and the total uncertainty for both evaluations (95 % confidence level) must be less than 25 %.

Table 6. EUT SAR Test - Uncertainty Budget for DASY4 Version V4.6 Build 19

a	b	c	d	e= f(d,k)	f	g	h=cxf/e	i=cxg/e	k
Uncertainty Component	Sec.	Tol. (%)	Prob. Dist.	Div.	Ci (1 g)	Ci (10 g)	1 g Ui (± %)	10 g Ui (± %)	vi
Measurement System									
Probe Calibration (k=1)	E.2.1	5.9	N	1	1	1	5.9	5.9	∞
Axial lsotropy	E.2.2	4.7	R	√ 3	0.7	0.7	1.9	1.9	∞
Hemispherical lsotropy	E.2.2	9.6	R	√ 3	0.7	0.7	3.9	3.9	∞
Boundary Effect	E.2.3	1.0	R	√ 3	1	1	0.6	0.6	∞
Linearity	E.2.4	4.7	R	√ 3	1	1	2.7	2.7	∞
System Detection Limits	E.2.5	1.0	R	√ 3	1	1	0.6	0.6	∞
Readout Electronics	E.2.6	0.3	N	1	1	1	0.3	0.3	∞
Response Time	E.2.7	0.8	R	√ 3	1	1	0.5	0.5	∞
lntegration Time	E.2.8	2.6	R	√ 3	1	1	1.5	1.5	∞
RF Ambient Noise	E.6.1	3.0	R	√ 3	1	1	1.7	1.7	∞
RF Ambient Refections	E.6.1	3.0	R	√ 3	1	1	1.7	1.7	∞
Probe Positioner	E.6.2	0.4	R	√ 3	1	1	0.2	0.2	∞
Probe Positioning with respect to Phantom Shell	E.6.3	2.9	R	√ 3	1	1	1.7	1.7	∞
Algorithms for Max. SAR Evaluation	E.5	1.0	R	√ 3	1	1	0.6	0.6	∞
Test Sample Related									
Test Sample Positioning	E.4.2	2.9	N	1	1	1	2.9	2.9	145
Device Holder Uncertainty	E.4.1	3.6	N	1	1	1	3.6	3.6	5
Output Power Variation — SAR Drift Measurement	6.6.2	5.0	R	√ 3	1	1	2.9	2.9	∞
Phantom and Tissue Parameters									
Phantom Uncertainty (shape and thickness tolerances)	E.3.1	4.0	R	√ 3	1	1	2.3	2.3	∞
Liquid Conductivity — Deviation from target values	E.3.2	5.0	R	√ 3	0.64	0.43	1.8	1.2	∞
Liquid Conductivity — Measurement uncertainty	E.3.3	2.5	N	1	0.64	0.43	1.6	1.1	∞
Liquid Permititivity — Deviation from target values	E.3.2	5.0	R	√ 3	0.6	0.49	1.7	1.4	∞
Liquid Pemiittivity — Measurement uncertainty	E.3.3	2.5	N	1	0.6	0.49	1.5	1.2	∞
Cornbined standard Uncertainty			RSS				± 10.9	± 10.7	387
Expanded Uncertainty (95% CONFIDENCE LEVEL)			K=2				± 21.9	± 21.4	

Estimated total measurement uncertainity for the DASY4 measurement system was ± 10.9 %. The extended uncertainity (K=2) was assessed to be ± 21.9 % based on 95 % confidence level. The uncertainity is not added to the measurement result.

Table 7. Validation - Uncertainty Budget for DASY4 Version V4.6 Build 19

a	b	c	d	e= f(d,k)	f	g	h=cxf/e	i=cxg/e	k
Uncertainty Component	Sec.	Tol. (%)	Prob. Dist.	Div.	Ci (1 g)	Ci (10 g)	1 g Ui (± %)	10 g Ui (± %)	vi
Measurement System									
Probe Calibration (k=1)	E.2.1	5.9	N	1	1	1	5.9	5.9	∞
Axial lsotropy	E.2.2	4.7	R	√ 3	1	1	2.7	2.7	∞
Hemispherical lsotropy	E.2.2	9.6	R	√ 3	0	0	0	0	∞
Boundary Effect	E.2.3	1.0	R	√ 3	1	1	0.6	0.6	∞
Linearity	E.2.4	4.7	R	√ 3	1	1	2.7	2.7	∞
System Detection Limits	E.2.5	1.0	R	√ 3	1	1	0.6	0.6	∞
Readout Electronics	E.2.6	0.3	N	1	1	1	0.3	0.3	∞
Response Time	E.2.7	0	R	√ 3	1	1	0	0	∞
lntegration Time	E.2.8	0	R	√ 3	1	1	0	0	∞
RF Ambient Noise	E.6.1	3.0	R	√ 3	1	1	1.7	1.7	∞
RF Ambient Refections	E.6.1	3.0	R	√ 3	1	1	1.7	1.7	∞
Probe Positioner	E.6.2	0.4	R	√ 3	1	1	0.2	0.2	∞
Probe Positioning with respect to Phantom Shell	E.6.3	2.9	R	√ 3	1	1	1.7	1.7	∞
Algorithms for Max. SAR Evaluation	E.5.2	1.0	R	√ 3	1	1	0.6	0.6	∞
Dipole									
Dipole Axis to Liquid Distance	8, E.4.2	2.0	R	√ 3	1	1	1.2	1.2	∞
Input Power and SAR Drift Measurement	8, 6.6.2	4.7	R	√ 3	1	1	2.7	2.7	∞
Phantom and Tissue Parameters									
Phantom Uncertainty (shape and thickness tolerances)	E.3.1	4.0	R	√ 3	1	1	2.3	2.3	∞
Liquid Conductivity — Deviation from target values	E.3.2	5.0	R	√ 3	0.64	0.43	1.8	1.2	∞
Liquid Conductivity — Measurement uncertainty	E.3.3	2.5	N	1	0.64	0.43	1.6	1.1	∞
Liquid Permititivity — Deviation from target values	E.3.2	5.0	R	√ 3	0.6	0.49	1.7	1.4	∞
Uquid Pemiittivity — Measurement unceilainty	E.3.3	2.5	N	1	0.6	0.49	1.5	1.2	∞
Cornbined standard Uncertainty			RSS				± 9.2	± 8.9	∞
Expanded Uncertainty (95% CONFIDENCE LEVEL)			K=2				± 18.4	± 17.8	

Estimated total measurement uncertainty for the DASY4 measurement system was ± 9.2 %.
The extended uncertainty (K = 2) was assessed to be ± 18.4 % based on 95 % confidence level.
The uncertainty is not added to the validation measurement result.

6. Description of Test Position

SAR measurements were performed in the "cheek" and "tilted" positions on left and right sides of the phantom. Both were measured in the head section of the SAM Twin Phantom . For the "Belt " position , it was measured in the flat section of the SAM Twin Phantom .

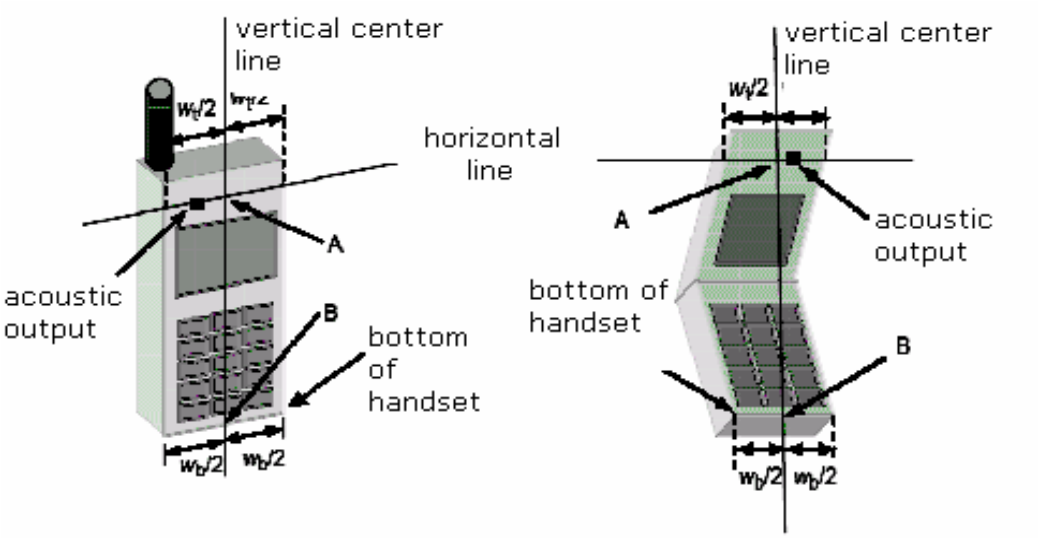


Figure 2. Handset vertical and horizontal reference line

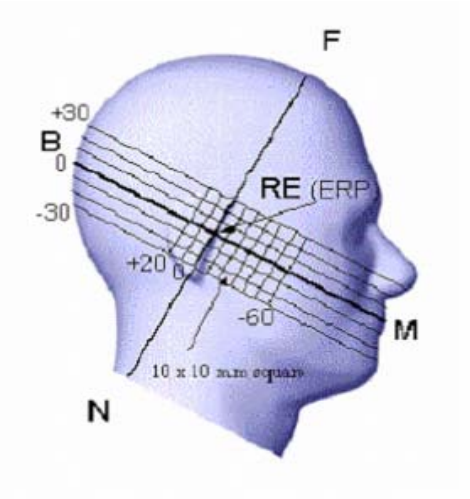


Figure 3. Side view of SAM phantom

1) Cheek" Position

The device was positioned with the vertical center line of the body of the device and the horizontal line crossing the center of the ear piece in a plane parallel to the sagittal plane of the phantom. While maintaining the device in this plane, it was aligned the vertical center line with the reference plane containing the three ear and mouth reference points(M, RE and LE) and aligned the center of the ear piece with the line RE-LE. Then device was translated towards the phantom with the ear piece aligned with the line LE-RE until it touched the ear. While maintaining the device in the reference plane and maintaining the device contact with the ear, the bottom of the device was moved until any point on the front side is in contact with the cheek of the phantom.

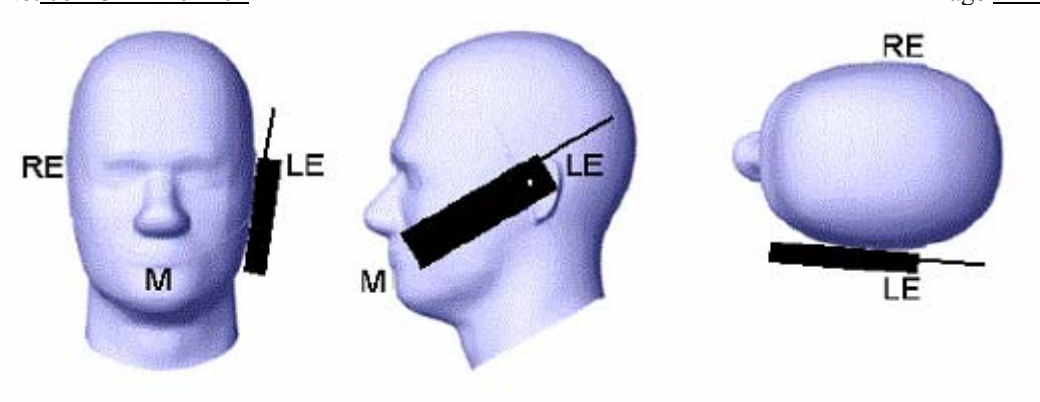
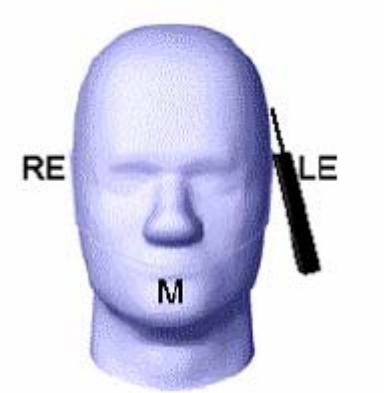


Figure 4. Cheek/Touch Position

2) "Tilted" Position



The device was positioned in the "Cheek" position. While maintaining the device in the reference plane described above cheek position and pivoting against the ear, device was moved outward away from the mouth by an angle of 15 degrees.

"

Figure 5. Cheek/Touch Position

3) Belt" Position

A belt position maintained a distance of approximately 15 mm between the back of the device and the flat phantom. The device was placed under the flat section of the phantom and suspended. The device was connected with the hands free earpiece/microphone.

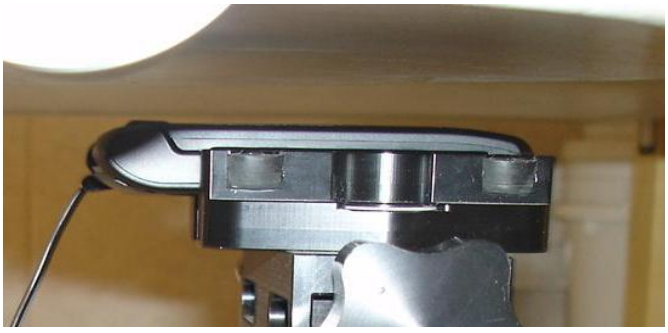


Figure 6. Belt Position setup without holster

7. FCC RF Exposure Limits

HUMAN EXPOSURE	UNCONTROLLED ENVIRONMENT General Population (W/Kg) or (mW/g)	CONTROLLED ENVIRONMENT Occupational (W/Kg) or (mW/g)
SPATIAL PEAK SAR (Brain)	1.60	8.00
SPATIAL AVERAGE SAR (Whole Body)	0.08	0.40
SPATIAL PEAK SAR (Hand / Feet / Ankle / Wrist)	4.00	20.00

Table. 8 Safety Limits for Partial Body Exposure

NOTE 1 :**Whole-Body SAR** is averaged over the entire body, **partial-body SAR** is averaged over any 1gram of tissue defined as a tissue volume in the shape of a cube. **SAR for hands, wrists, feet and ankles** is averaged ower any 10 grams of tissue defined as a tissue volume in the shape of cube

NOTE 2 : At frequencies above 6.0 GHz, SAR limits ajre not applicable and MPE limits for power density should be appoied at 5 cm or more from the transmitting device.

NOTE 3 : The time averaging criteria for field strength and power density do not apply to general population SAR limit of 47 CFR § 2.1093.

8. SAR MEASUREMENT RESULTS

1) GSM850 Head SAR Measurement Result

Date of Test : 15th June 2006
Mixture Type : 850MHz Brain
Ambient Temperature (C) : 21.5
Dielectric Constant : 40.7
Liquid Temperature (C) : 21
Humidity (%) : 44
Conductivuty : 0.868

Frequency		Modulation	Begin/End Power		Head Position	Device test Position	Antenna Position	SAR 1g (W/Kg)
MHz	CH		(dBm)	Batt.				
824.2	128	GSM850	33	standard	Left	Cheek /Touch	Intenna	**1.01**
836.6	190		33	standard		Cheek /Touch	Intenna	0.977
848.8	251		33	standard		Cheek /Touch	Intenna	0.908
824.2	128	GSM850	33	standard	Left	Cheek /Tilt	Intenna	-
836.6	190		33	standard		Cheek /Tilt	Intenna	0.082
848.8	251		33	standard		Cheek /Tilt	Intenna	-
824.2	128	GSM850	33	standard	Right	Cheek /Touch	Intenna	0.766
836.6	190		33	standard		Cheek /Touch	Intenna	0.583
848.8	251		33	standard		Cheek /Touch	Intenna	0.894
824.2	128	GSM850	33	standard	Right	Cheek /Tilt	Intenna	-
836.6	190		33	standard		Cheek /Tilt	Intenna	0.079
848.8	251		33	standard		Cheek /Tilt	Intenna	-

NOTES:
1.The test data reported are the worst-case SAR value with the antenna –head position set in a typical configuration
2.All modes of operation were investigated and the worst-case are reported.
3.Battery is fully charged for all readings.
4.Power measured : Conducted
5.SAR Configuration : Head
6.Test Signal Call mode : Base Station Simulator
7.SAR Measurement System : SPEAG-DASY4

2) GSM/GPRS 850 Body SAR Measurement Result

Date of Test : 15th June 2006
Mixture Type : 850MHz Muscle
Ambient Temperature (C) : 21.5
Dielectric Constant : 54.0

Liquid Temperature (C) : 21.3
Humidity (%) : 44
Conductivuty : 0.931

Frequency		Modulation (dBm)	Begin/End Power		-	Device test Position	Antenna Position	SAR 1g (W/Kg)
MHz	CH		(dBm)	Batt.				
824.2	128	GSM850	33	standard	-	Belt without Holster	Intenna	**0.348**
836.6	190	GSM850	33	standard	-	Belt without Holster	Intenna	0.290
848.8	251	GSM850	33	standard	-	Belt without Holster	Intenna	0.360
824.2	128	GPRS850	33	standard	-	Belt without Holster	Intenna	0.24
836.6	190	GSM850	33	standard	***Bluetooh active**	Belt without Holster	Intenna	0.221

NOTES:

1.The test data reported are the worst-case SAR value with the antenna –head position set in a typical configuration
2.All modes of operation were investigated and the worst-case are reported.
3.Battery is fully charged for all readings.
4.Power measured : Conducted
5.SAR Configuration : Body
6.Test Configuration : Without Holster
7.Test Signal Call mode : Base Station Simulator
8.SAR Measurement System : SPEAG-DASY4
*The Highest SAR Value measurement in this band repeated with Bluetooth active.

2) PCS1900 Head SAR Measurement Result

Date of Test : 16th June 2006
Mixture Type : 1900MHz Brain
Ambient Temperature (C) : 22.0
Dielectric Constant : 40.6

Liquid Temperature (C) : 21.5
Humidity (%) : 46
Conductivuty : 1.403

Frequency		Modulation	Begin/End Power		Head Position	Device test Position	Antenna Position	SAR 1g (W/Kg)
MHz	CH		(dBm)	Batt.				
1850.2	512	PCS1900	30	standard	Left	Cheek /Touch	Intenna	**0.278**
1880	661		30	standard		Cheek /Touch	Intenna	0.226
1909.8	810		30	standard		Cheek /Touch	Intenna	0.229
1850.2	512	PCS1900	30	standard	Left	Cheek /Tilt	Intenna	-
1880	661		30	standard		Cheek /Tilt	Intenna	0.122
1909.8	810		30	standard		Cheek /Tilt	Intenna	-
1850.2	512	PCS1900	30	standard	Right	Cheek /Touch	Intenna	0.423
1880	661		30	standard		Cheek /Touch	Intenna	0.307
1909.8	810		30	standard		Cheek /Touch	Intenna	0.332
1850.2	512	PCS1900	30	standard	Right	Cheek /Tilt	Intenna	-
1880	661		30	standard		Cheek /Tilt	Intenna	0.116
1909.8	810		30	standard		Cheek /Tilt	Intenna	-

NOTES:
1.The test data reported are the worst-case SAR value with the antenna –head position set in a typical configuration
2.All modes of operation were investigated and the worst-case are reported.
3.Battery is fully charged for all readings.
4.Power measured : Conducted
5.SAR Configuration : Head
6.Test Signal Call mode : Base Station Simulator
7.SAR Measurement System : SPEAG-DASY4

2) PCS/GPRS1900 Body SAR Measurement Result

Date of Test : 16th June 2006
Mixture Type : 1900MHz Brain
Ambient Temperature (C) : 22.0
Dielectric Constant : 52.2

Liquid Temperature (C) : 21.8
Humidity (%) : 46
Conductivuty : 1.568

Frequency		Modulation (dBm)	Begin/End Power		-	Device test Position	Antenna Position	SAR 1g (W/Kg)
MHz	CH		(dBm)	Batt.				
1850.2	512	PCS1900	30	standard	-	Belt without Holster	Intenna	**0.258**
1880	661	PCS1900	30	standard	-	Belt without Holster	Intenna	0.159
1909.8	810	PCS1900	30	standard	-	Belt without Holster	Intenna	0.208
824.2	128	GPRS1900	30	standard	-	Belt without Holster	Intenna	0.245
836.6	190	PCS1900	30	standard	***Bluetooh active**	Belt without Holster	Intenna	0.196

NOTES:

1.The test data reported are the worst-case SAR value with the antenna –head position set in a typical configuration
2.All modes of operation were investigated and the worst-case are reported.
3.Battery is fully charged for all readings.
4.Power measured : Conducted
5.SAR Configuration : Body
6.Test Configuration : Without Holster
7.Test Signal Call mode : Base Station Simulator
8.SAR Measurement System : SPEAG-DASY4
*The Highest SAR Value measurement in this band repeated with Bluetooth active.

9. COMPLIANCE STATEMENT

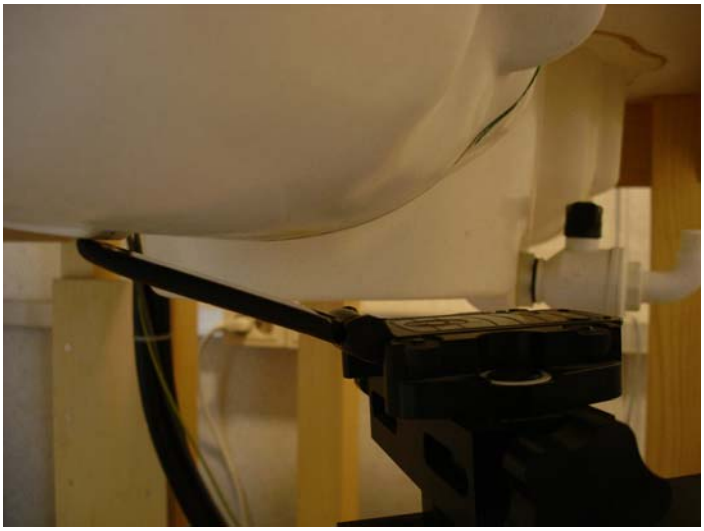
The Dual Band GSM/GPRS phone, Model; EZ800 was found to comply with the FCC SAR requirements. The highest SAR level recorded was **1.01 W/kg for a 1 g cube** in GSM850. This value was measured on channel 128 in the Head Left /touch position supplementing the DC 3.8 V Rechargeable Standard Battery Pack . **This was below the uncontrolled limit of 1.6 W/kg.**

10. EQUIPMENT LIST AND CALIBRATION DETAILS

Equipment Type	Manufacturer	Model Number	Serial Number	Calibration Due	Used For this Test?
Robot - Six Axes	Staubli	RX60	N/A	N/A	Yes
Robot Remote Control	SPEAG	CS7MB	F03/5U96A1 /C/01	N/A	Yes
SAM Twin Phantom	SPEAG	TP1276	QD000P40CA	N/A	Yes
Flat Phantom V4.4	SPEAG	QD000P44B A,BB	1001, higher	N/A	No
Data Acquisition Electronics	SPEAG	DAE4	559	06.03.20	Yes
Probe E-Field	SPEAG	ES3DV2	3020	05.07.20	No
Probe E-Field	SPEAG	ET3DV6	1773	06.05.30	Yes
Antenna Dipole 450 MHz	SPEAG	D450V2	1016	05.09.21	No
Antenna Dipole 835 MHz	SPEAG	D835V2	481	05.05.24	Yes
Antenna Dipole 900 MHz	SPEAG	D900V2	194	05.11.04	No
Antenna Dipole 1800 MHz	SPEAG	D1800V2	2d066	05.05.19	No
Antenna Dipole 1900 MHz	SPEAG	D1900V2	5d038	05.11.03	Yes
Antenna Dipole 1950 MHz	SPEAG	D1950V2	1027	06.03.13	No
Antenna Dipole 2450 MHz	SPEAG	D2450V2	746	06.02.16	No
High power RF Amplifier	EMPOWER	2057-BBS3Q5KCK	1002D/C0321	05.10.13	Yes
Universal Radio Communication Tester	R&S	CMU200	110019	06.03.22	Yes
Signal Generator	Hewlett Packard	8648C	3629U00868	06.05.20	Yes
RF Power Meter Dual	Hewlett Packard	E4419A	GB37170495	06.04.28	Yes
RF Power Sensor 0.01 - 18 GHz	Hewlett Packard	8481A	US37299851	06.01.14	Yes
RF Power Sensor 0.01 - 18 GHz	Hewlett Packard	8481A	3318A92872	06.01.14	Yes
S-Parameter Network Analyzer	Agilent	8753ES	MY40002303	06.04.21	Yes
Dual Directional Coupler	Hewlett Packard	778D	1144AO4576	05.10.13	Yes
Directional Coupler	Agilent	773D	MY28390213	05.10.13	No

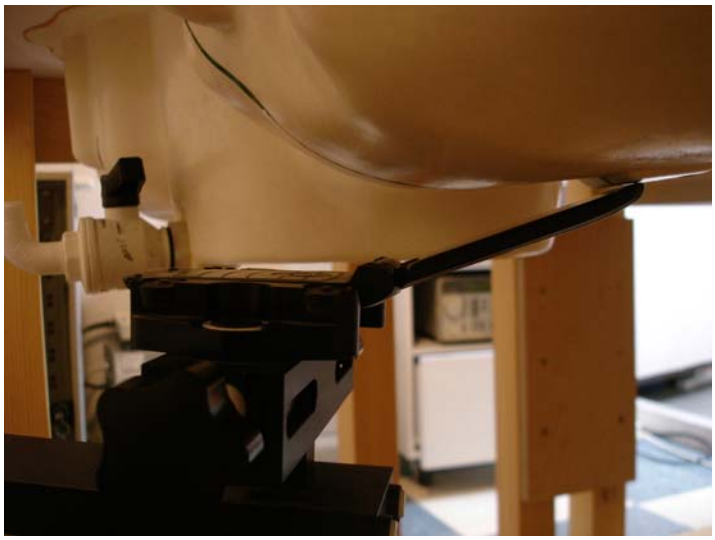
APPENDIX A : TEST SET-UP PHOTOGRAPHS

< Photo B.1. Right Head-Cheek >



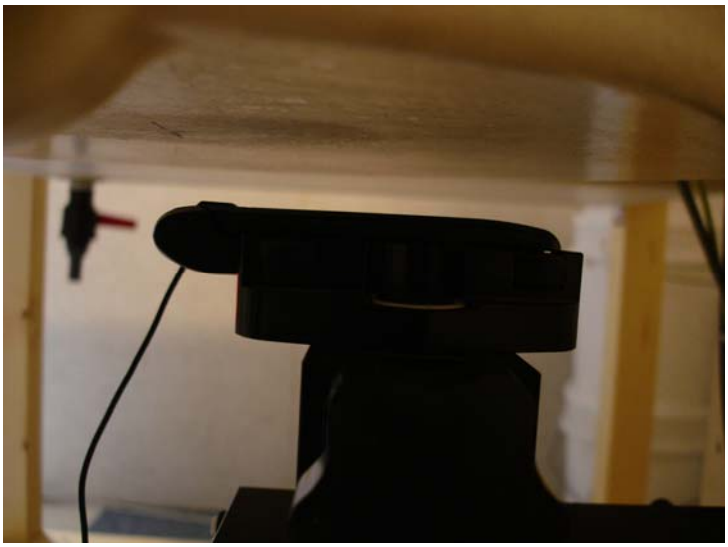
< Photo B.2. Right Head-Tilt >

< Photo B.3. Left Head-Cheek >



< Photo B.4. Left Head-Tilt >

< Photo B.5. Belt Position without Holster >



< Photo B.6. Belt Position without Holster-Near View>

APPENDIX B : PLOTS OF THE SAR MEASUREMENTS

EZ800 Ch.128 Left Cheek Touch

DUT: EZ800; Type: Calm shell

***Test Date : 15/June/2006, Measured Liquid Temperature(C) : 21.0**

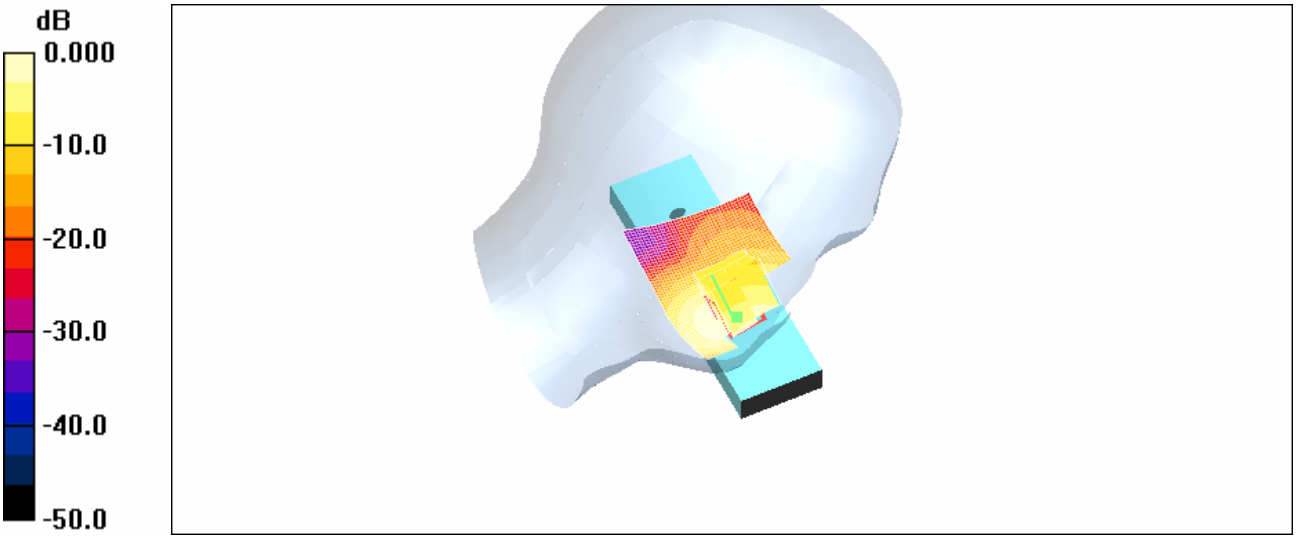
Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium: HSL835 Medium parameters used: f = 824.2 MHz; σ = 0.862 mho/m; ε_r = 41.8; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(6.12, 6.12, 6.12); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2005-03-22
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.14 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.6 V/m; Power Drift = -0.141 dB
Peak SAR (extrapolated) = 1.32 W/kg
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.719 mW/g
Maximum value of SAR (measured) = 1.06 mW/g



0 dB = 1.06mW/g

EZ800 Ch.190 Left Cheek Touch

DUT: EZ800; Type: Calm shell

***Test Date : 15/June/2006, Measured Liquid Temperature(C) : 21.0**

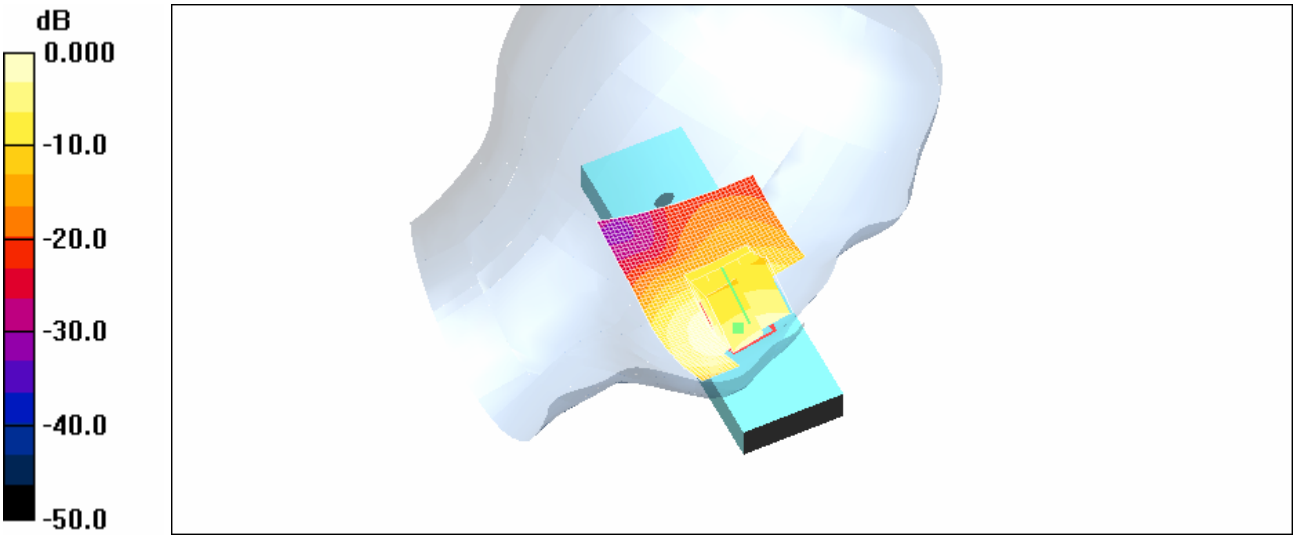
Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium: HSL835 Medium parameters used: f = 836.6 MHz; σ = 0.868 mho/m; ε_r = 40.7; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(6.12, 6.12, 6.12); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2005-03-22
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.08 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.9 V/m; Power Drift = 0.072 dB
Peak SAR (extrapolated) = 1.28 W/kg
SAR(1 g) = 0.977 mW/g; SAR(10 g) = 0.685 mW/g
Maximum value of SAR (measured) = 1.04 mW/g



0 dB = 1.04mW/g

EZ800 Ch.251 Left Cheek Touch

DUT: EZ800; Type: Calm shell

***Test Date : 15/June/2006, Measured Liquid Temperature(C) : 21.0**

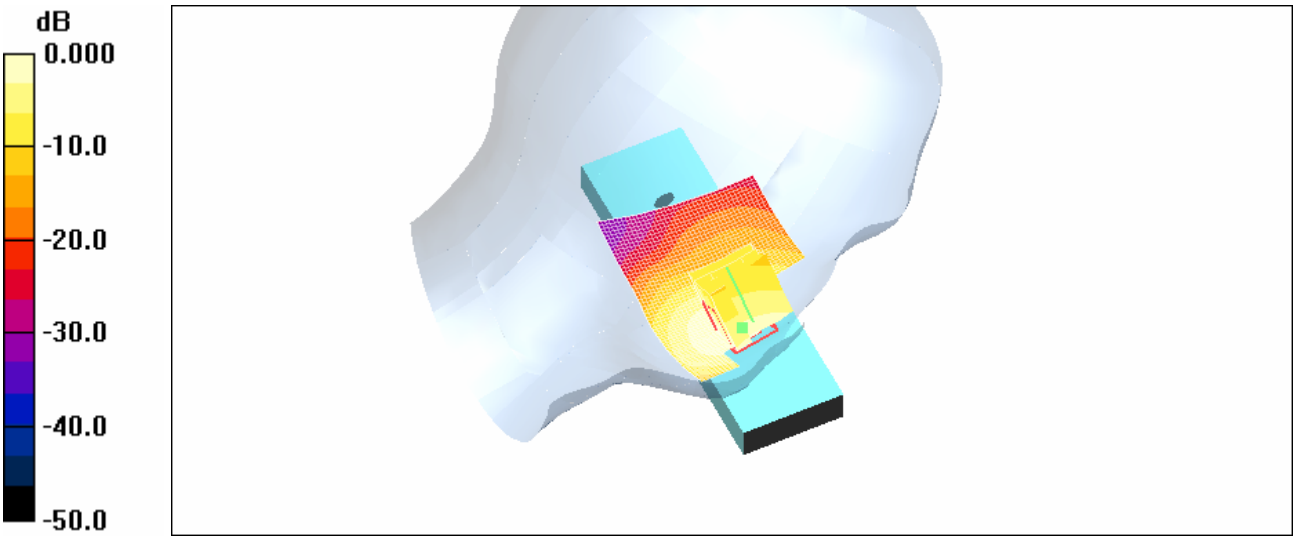
Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium: HSL835 Medium parameters used: f = 824.2 MHz; σ = 0.862 mho/m; ε_r = 41.8; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(6.12, 6.12, 6.12); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2005-03-22
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.01 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.6 V/m; Power Drift = -0.006 dB
Peak SAR (extrapolated) = 1.20 W/kg
SAR(1 g) = 0.908 mW/g; SAR(10 g) = 0.632 mW/g
Maximum value of SAR (measured) = 0.952 mW/g



0 dB = 0.952mW/g

EZ800 Ch.190 Left Cheek Tilt

DUT: EZ800; Type: Calm shell

***Test Date : 15/June/2006, Measured Liquid Temperature(C) : 21.0**

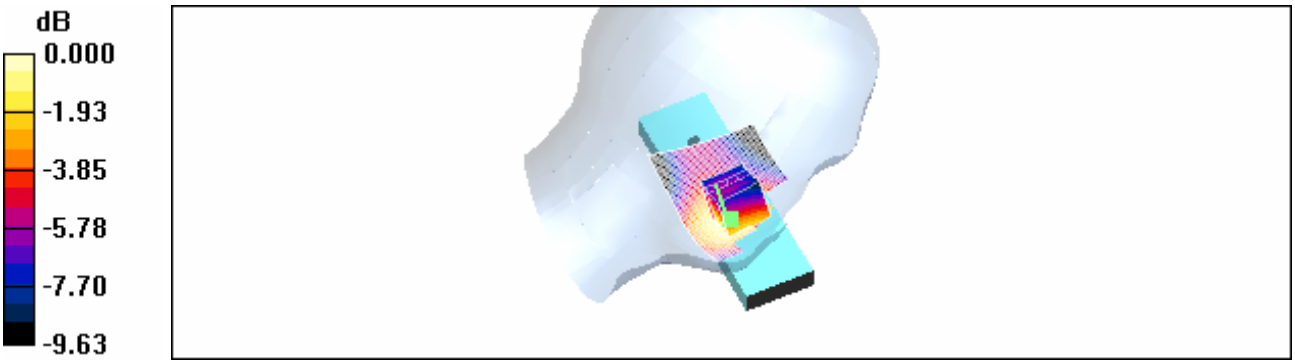
Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium: HSL835 Medium parameters used: f = 836.6 MHz; σ = 0.868 mho/m; ε_r = 40.7; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(6.12, 6.12, 6.12); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2005-03-22
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.086 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.64 V/m; Power Drift = 0.195 dB
Peak SAR (extrapolated) = 0.104 W/kg
SAR(1 g) = 0.082 mW/g; SAR(10 g) = 0.061 mW/g
Maximum value of SAR (measured) = 0.086 mW/g



0 dB = 0.086mW/g

EZ800 Ch.128 Right Cheek Touch

DUT: SL388; Type: Calm shell

***Test Date : 15/June/2006, Measured Liquid Temperature(C) : 21.0**

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium: HSL835 Medium parameters used: f = 824.2 MHz; σ = 0.862 mho/m; ε_r = 41.8; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

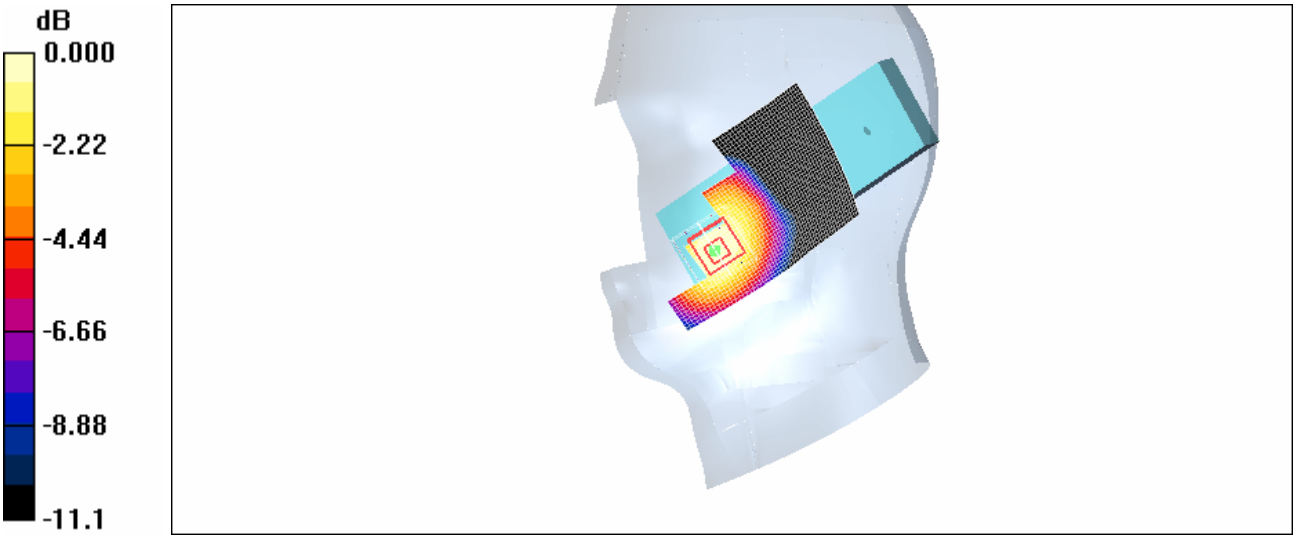
DASY4 Configuration:

- Probe: ES3DV2 - SN3020; ConvF(5.98, 5.98, 5.98); Calibrated: 2005-07-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2005-03-22
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.884 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.1 V/m; Power Drift = 0.115 dB
Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.766 mW/g; SAR(10 g) = 0.521 mW/g
Maximum value of SAR (measured) = 0.821 mW/g



0 dB = 0.821mW/g

EZ800 Ch.190 Right Cheek Touch

DUT: EZ800; Type: Calm shell

***Test Date : 15/June/2006, Measured Liquid Temperature(C) : 21.0**

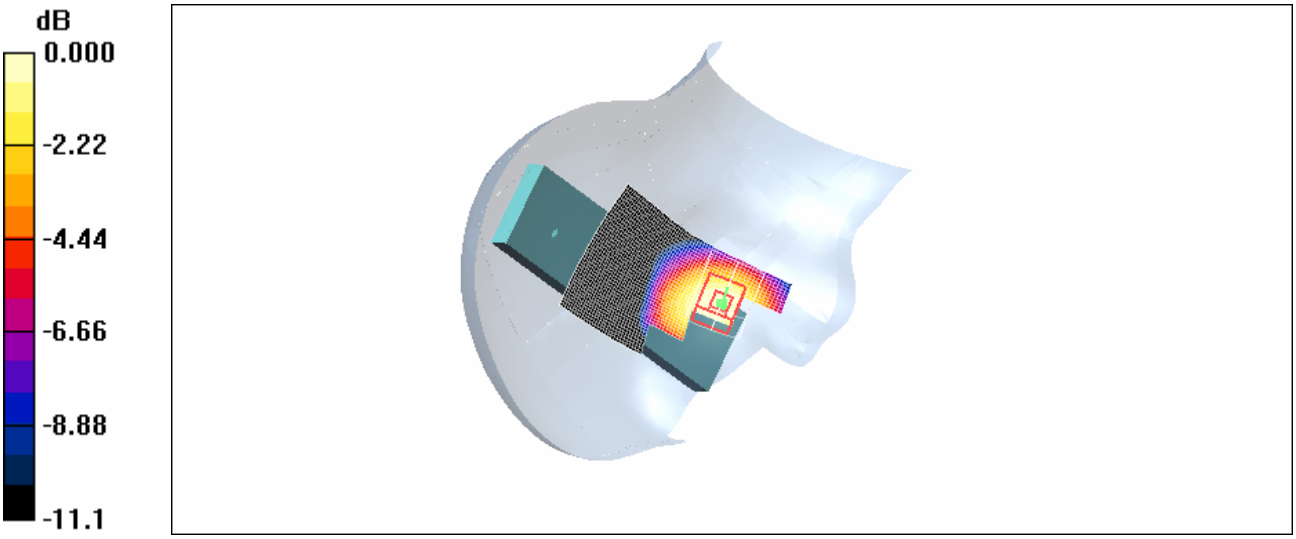
Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium: HSL835 Medium parameters used: f = 836.6 MHz; σ = 0.868 mho/m; ε_r = 40.7; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(6.12, 6.12, 6.12); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2005-03-22
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.989 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.1 V/m; Power Drift = -0.182 dB
Peak SAR (extrapolated) = 1.20 W/kg
SAR(1 g) = 0.853 mW/g; SAR(10 g) = 0.576 mW/g
Maximum value of SAR (measured) = 0.913 mW/g



0 dB = 0.913mW/g

EZ800 Ch.251 Right Cheek Touch

DUT: EZ800; Type: Calm shell

***Test Date : 15/June/2006, Measured Liquid Temperature(C) : 21.0**

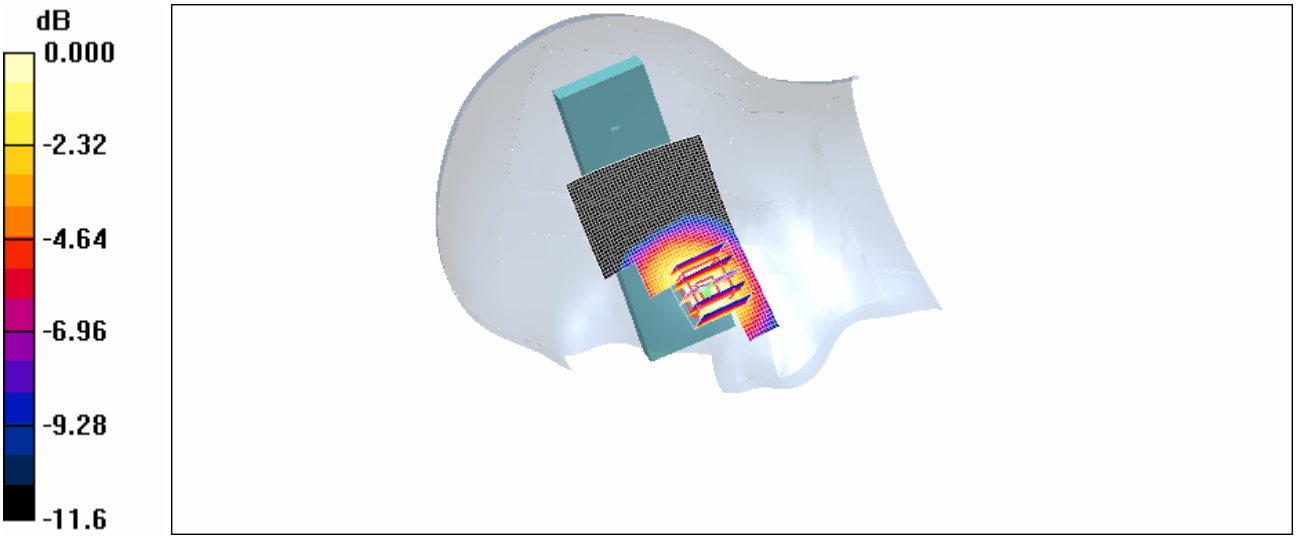
Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: HSL835 Medium parameters used: f = 848.8 MHz; σ = 0.878 mho/m; ε_r = 40.5; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(6.12, 6.12, 6.12); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2005-03-22
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.02 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.5 V/m; Power Drift = 0.062 dB
Peak SAR (extrapolated) = 1.30 W/kg
SAR(1 g) = 0.894 mW/g; SAR(10 g) = 0.589 mW/g
Maximum value of SAR (measured) = 0.957 mW/g



0 dB = 0.957mW/g

EZ800 Ch.190 Right Cheek Tilt

DUT: EZ800; Type: Calm shell

***Test Date : 15/June/2006, Measured Liquid Temperature(C) : 21.0**

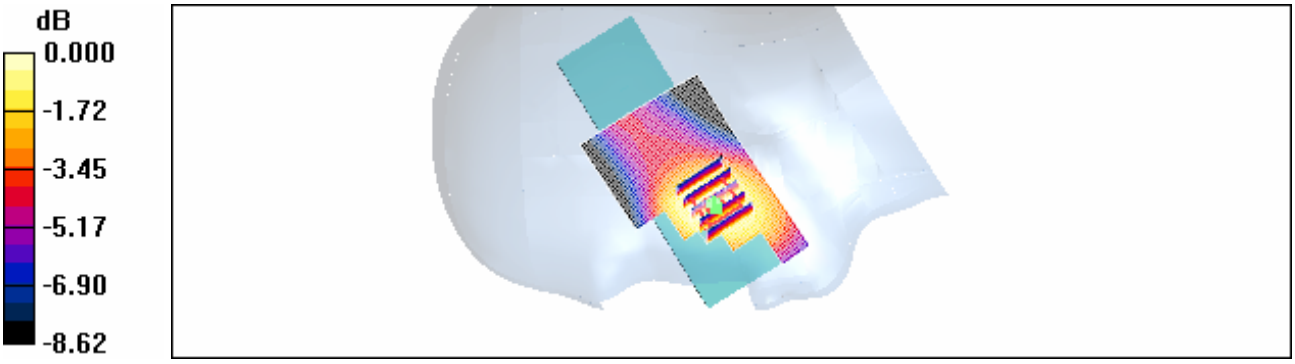
Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium: HSL835 Medium parameters used: f = 836.6 MHz; σ = 0.868 mho/m; ε_r = 40.7; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(6.12, 6.12, 6.12); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2005-03-22
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.084 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.49 V/m; Power Drift = 0.106 dB
Peak SAR (extrapolated) = 0.100 W/kg
SAR(1 g) = 0.079 mW/g; SAR(10 g) = 0.058 mW/g
Maximum value of SAR (measured) = 0.084 mW/g



0 dB = 0.084mW/g

EZ800 Ch.128 Body

DUT: EZ800 body; Type: Calm shell

***Test Date : 15/June/2006, Measured Liquid Temperature(C) : 21.3**

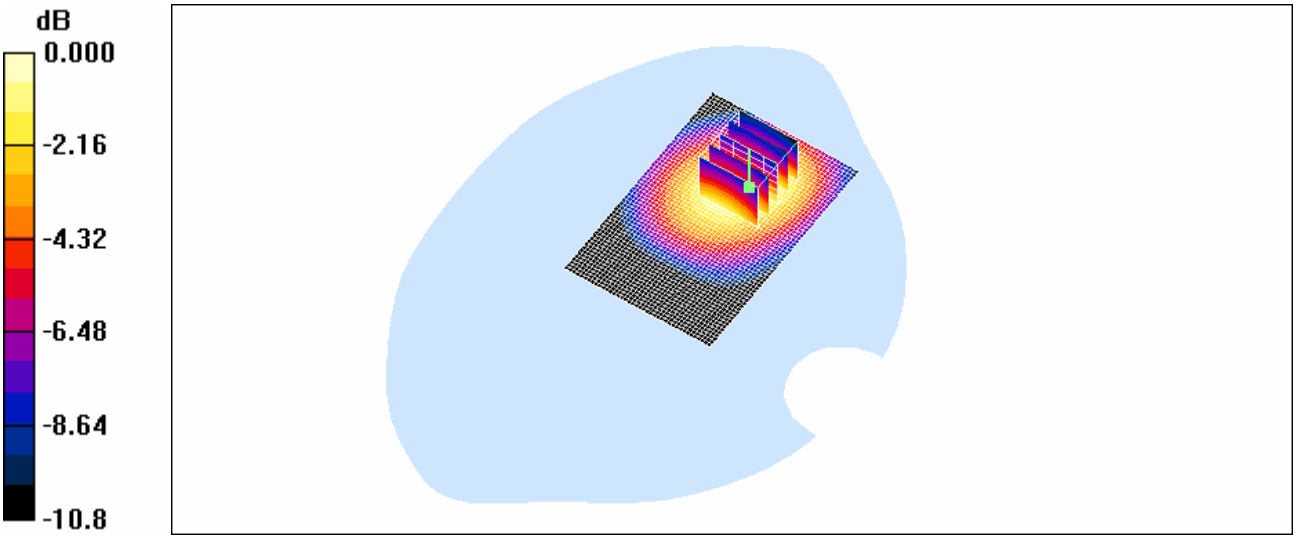
Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium: HSL835_body Medium parameters used: f = 824.2 MHz; σ = 0.922 mho/m; ε_r = 54.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(6.13, 6.13, 6.13); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2005-03-22
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x61x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.371 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.77 V/m; Power Drift = -0.038 dB
Peak SAR (extrapolated) = 0.474 W/kg
SAR(1 g) = 0.348 mW/g; SAR(10 g) = 0.241 mW/g
Maximum value of SAR (measured) = 0.372 mW/g



0 dB = 0.372mW/g

EZ800 Ch.190 Body

DUT: EZ800 body; Type: Calm shell

***Test Date : 15/June/2006, Measured Liquid Temperature(C) : 21.3**

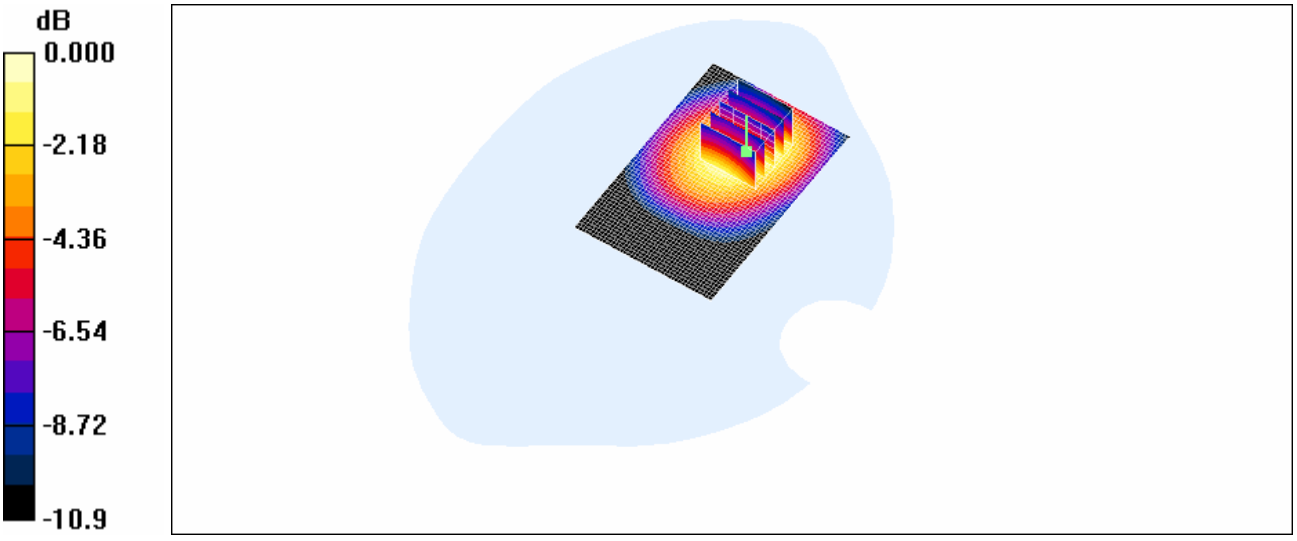
Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium: HSL835_body Medium parameters used: f = 836.6 MHz; σ = 0.932 mho/m; ε_r = 54; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(6.13, 6.13, 6.13); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2005-03-22
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x61x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.306 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.44 V/m; Power Drift = -0.044 dB
Peak SAR (extrapolated) = 0.398 W/kg
SAR(1 g) = 0.290 mW/g; SAR(10 g) = 0.200 mW/g
Maximum value of SAR (measured) = 0.312 mW/g



0 dB = 0.312mW/g

EZ800 Ch.251 Body

DUT: EZ800 body; Type: Calm shell; Serial

***Test Date : 15/June/2006, Measured Liquid Temperature(C) : 21.3**

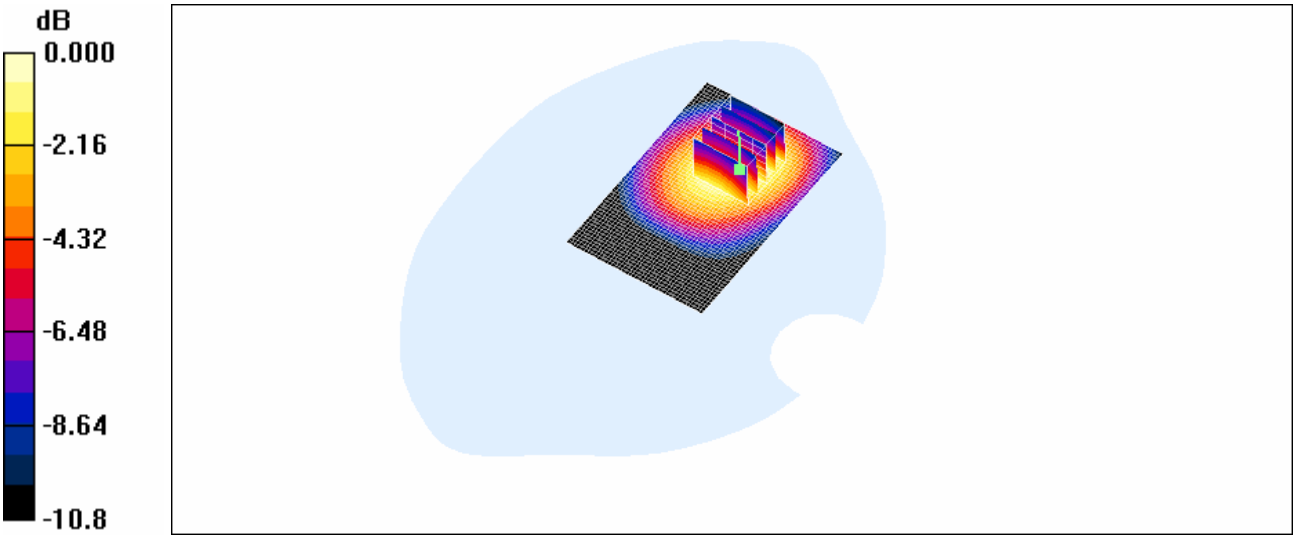
Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: HSL835_body Medium parameters used: f = 848.8 MHz; σ = 0.947 mho/m; ε_r = 53.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(6.13, 6.13, 6.13); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2005-03-22
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x61x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.382 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.76 V/m; Power Drift = -0.044 dB
Peak SAR (extrapolated) = 0.487 W/kg
SAR(1 g) = 0.360 mW/g; SAR(10 g) = 0.249 mW/g
Maximum value of SAR (measured) = 0.384 mW/g



0 dB = 0.384mW/g

EZ800 Ch.251 GPRS

DUT: EZ800 body; Type: Calm shell

***Test Date : 15/June/2006, Measured Liquid Temperature(C) : 21.3**

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: HSL835_body Medium parameters used: f = 848.8 MHz; σ = 0.947 mho/m; ε_r = 53.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

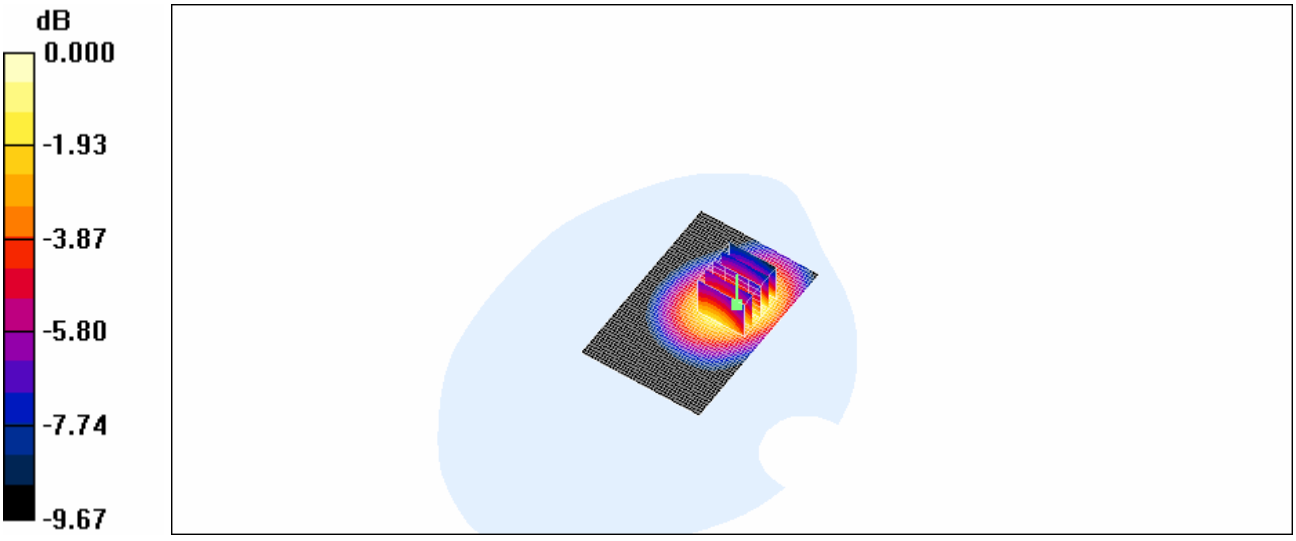
DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(6.13, 6.13, 6.13); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2005-03-22
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x61x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.262 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.72 V/m; Power Drift = 0.048 dB
Peak SAR (extrapolated) = 0.318 W/kg

SAR(1 g) = 0.240 mW/g; SAR(10 g) = 0.170 mW/g
Maximum value of SAR (measured) = 0.256 mW/g



0 dB = 0.256mW/g

EZ800 Ch.251 body Bluetooth active

DUT: EZ800 body; Type: Calm shell

***Test Date : 15/June/2006, Measured Liquid Temperature(C) : 21.3**

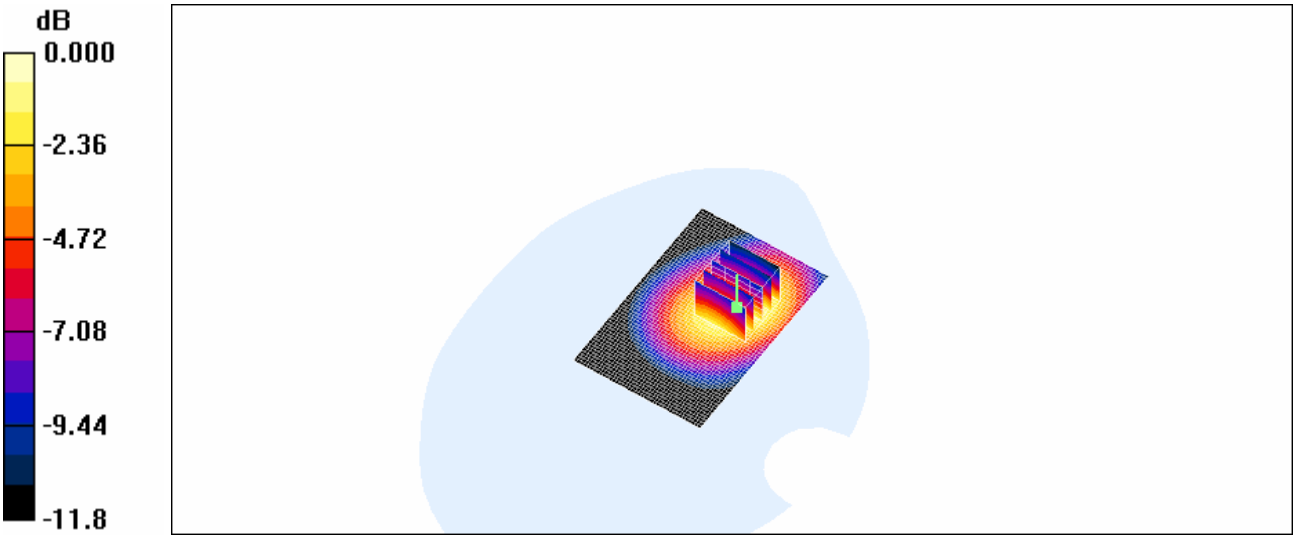
Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: HSL835_body Medium parameters used: f = 848.8 MHz; σ = 0.947 mho/m; ε_r = 53.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(6.13, 6.13, 6.13); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2005-03-22
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x61x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.242 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.74 V/m; Power Drift = -0.024 dB
Peak SAR (extrapolated) = 0.320 W/kg
SAR(1 g) = 0.221 mW/g; SAR(10 g) = 0.146 mW/g
Maximum value of SAR (measured) = 0.238 mW/g



0 dB = 0.238mW/g

EZ800 Ch.512 Left Cheek Touch

DUT: EZ800; Type: Calm shell

***Test Date : 16/June/2006, Measured Liquid Temperature(C) : 21.5**

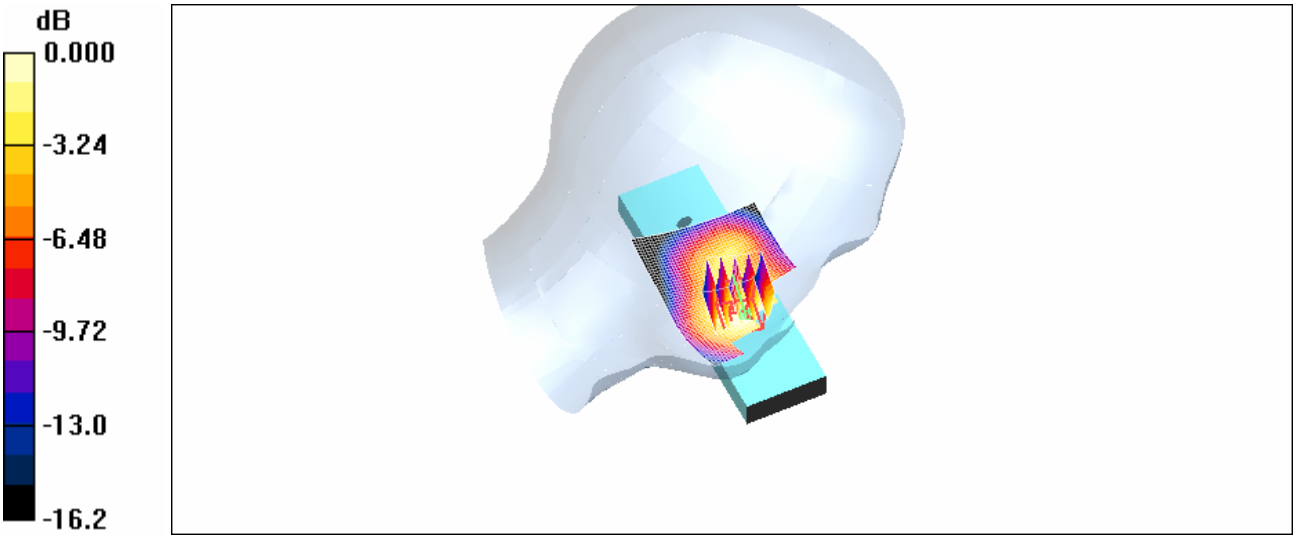
Communication System: PCS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium: HSL1900 Medium parameters used: f = 1850.2 MHz; σ = 1.34 mho/m; ε_r = 40.8; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(5.09, 5.09, 5.09); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2005-03-22
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.294 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.0 V/m; Power Drift = -0.110 dB
Peak SAR (extrapolated) = 0.411 W/kg
SAR(1 g) = 0.278 mW/g; SAR(10 g) = 0.176 mW/g
Maximum value of SAR (measured) = 0.293 mW/g



0 dB = 0.293mW/g

EZ800 Ch.661 Left Cheek Touch

DUT: EZ800; Type: Calm shell

***Test Date : 16/June/2006, Measured Liquid Temperature(C) : 21.5**

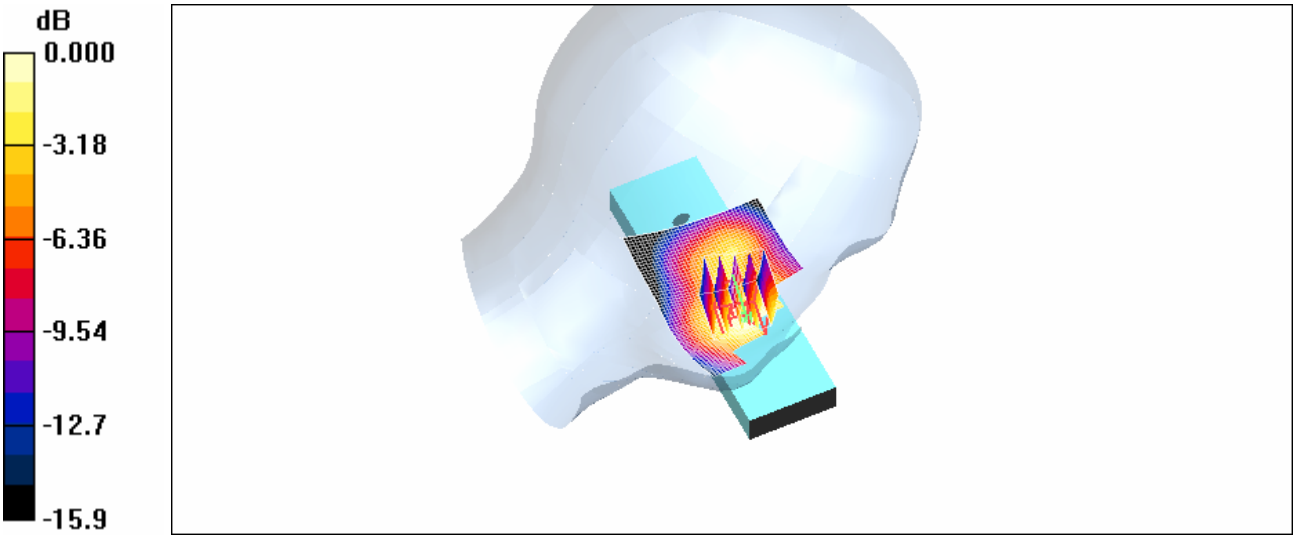
Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.37 mho/m; ε_r = 40.7; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(5.09, 5.09, 5.09); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2005-03-22
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.234 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.3 V/m; Power Drift = -0.060 dB
Peak SAR (extrapolated) = 0.342 W/kg
SAR(1 g) = 0.226 mW/g; SAR(10 g) = 0.140 mW/g
Maximum value of SAR (measured) = 0.241 mW/g



0 dB = 0.241mW/g

EZ800 Ch.810 Left Cheek Touch

DUT: EZ800; Type: Calm shell

***Test Date : 16/June/2006, Measured Liquid Temperature(C) : 21.5**

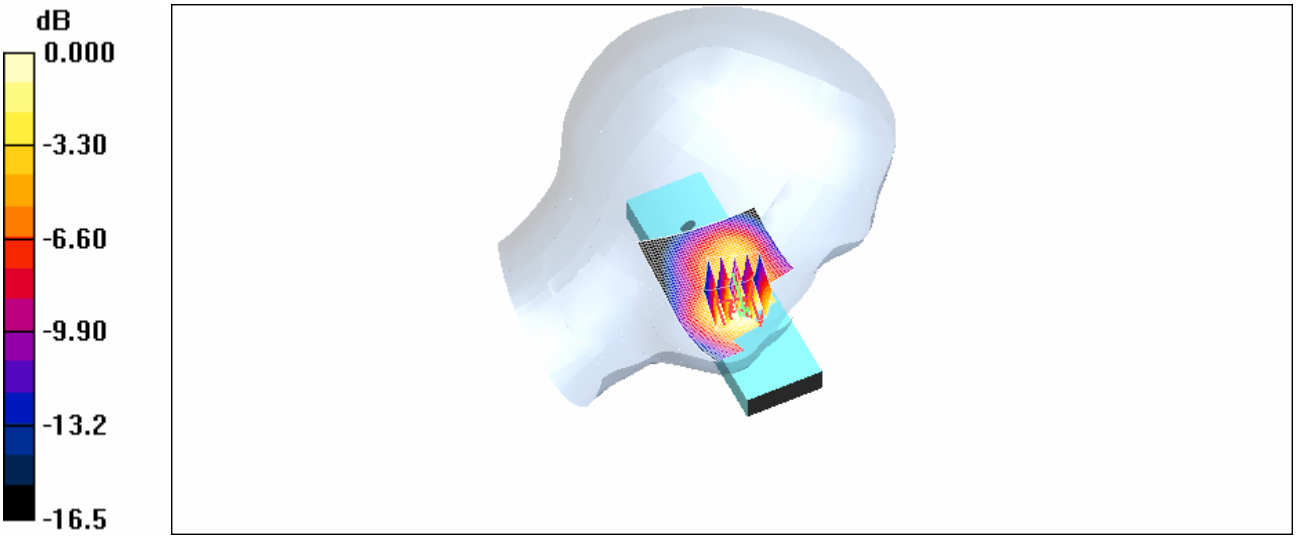
Communication System: PCS 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: HSL1900 Medium parameters used: f = 1909.8 MHz; σ = 1.4 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(5.09, 5.09, 5.09); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2005-03-22
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.235 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.5 V/m; Power Drift = -0.068 dB
Peak SAR (extrapolated) = 0.345 W/kg
SAR(1 g) = 0.229 mW/g; SAR(10 g) = 0.141 mW/g
Maximum value of SAR (measured) = 0.244 mW/g



0 dB = 0.244mW/g

EZ800 Ch.661 Left Cheek Tilt

DUT: EZ800; Type: Calm shell

***Test Date : 16/June/2006, Measured Liquid Temperature(C) : 21.5**

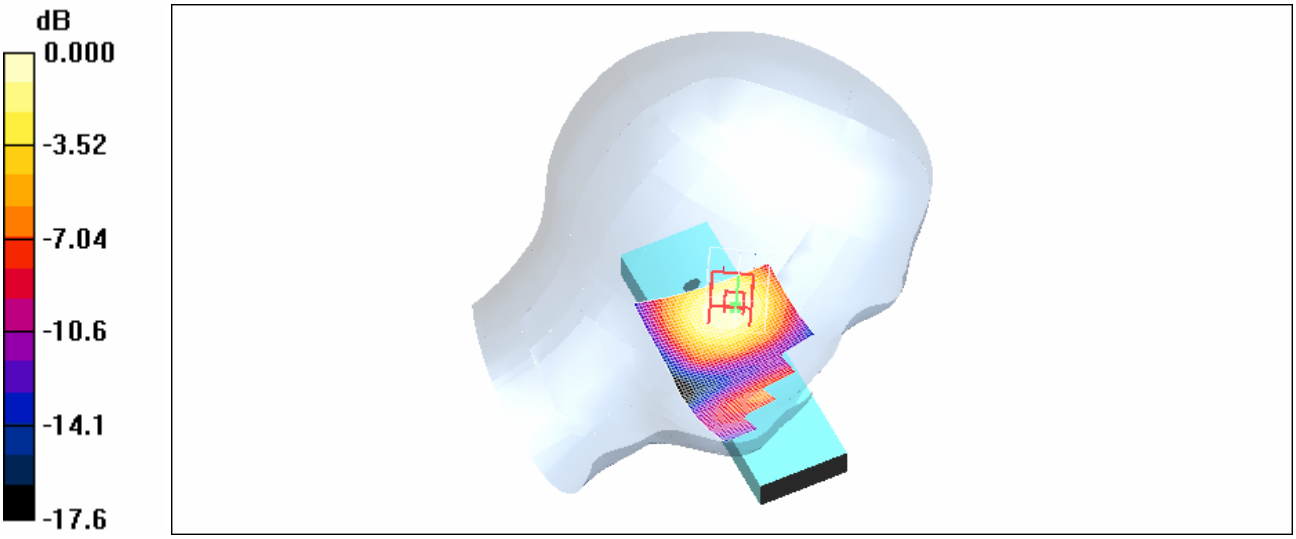
Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.37 mho/m; ε_r = 40.7; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(5.09, 5.09, 5.09); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2005-03-22
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.139 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.53 V/m; Power Drift = 0.026 dB
Peak SAR (extrapolated) = 0.182 W/kg
SAR(1 g) = 0.122 mW/g; SAR(10 g) = 0.076 mW/g
Maximum value of SAR (measured) = 0.133 mW/g



0 dB = 0.133mW/g

EZ800 Ch.512 Right Cheek Touch

DUT: EZ800; Type: Calm shell

***Test Date : 16/June/2006, Measured Liquid Temperature(C) : 21.5**

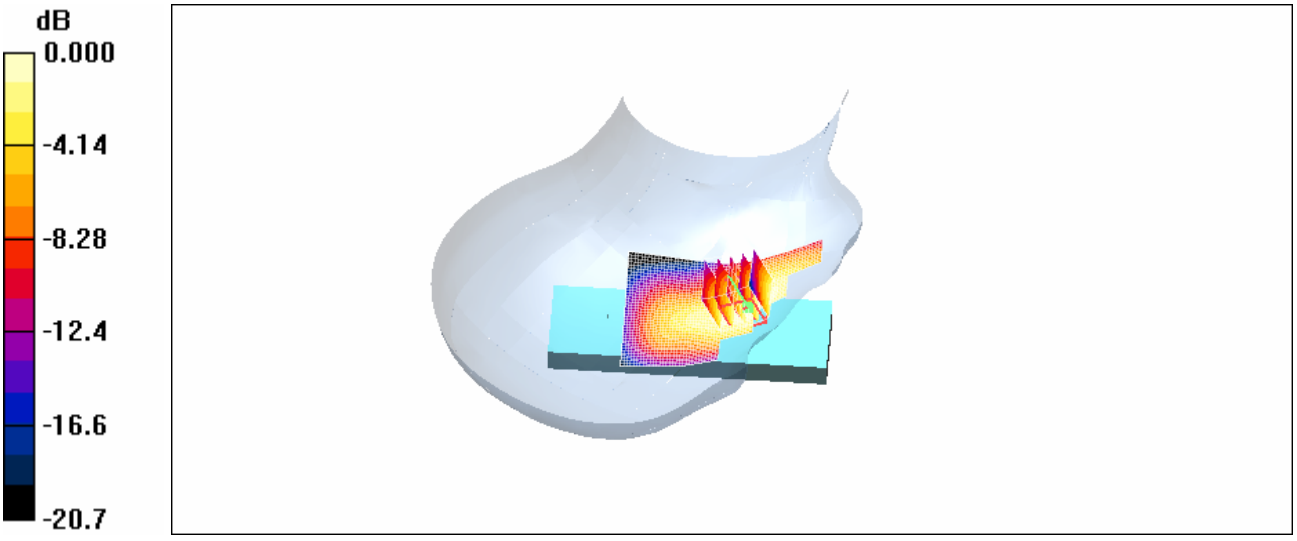
Communication System: PCS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium: HSL1900 Medium parameters used: f = 1850.2 MHz; σ = 1.34 mho/m; ε_r = 40.8; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(5.09, 5.09, 5.09); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2005-03-22
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.459 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.9 V/m; Power Drift = 0.043 dB
Peak SAR (extrapolated) = 0.599 W/kg
SAR(1 g) = 0.423 mW/g; SAR(10 g) = 0.275 mW/g
Maximum value of SAR (measured) = 0.456 mW/g



0 dB = 0.456mW/g

EZ800 Ch.661 Right Cheek Touch

DUT: EZ800; Type: Calm shell

***Test Date : 16/June/2006, Measured Liquid Temperature(C) : 21.5**

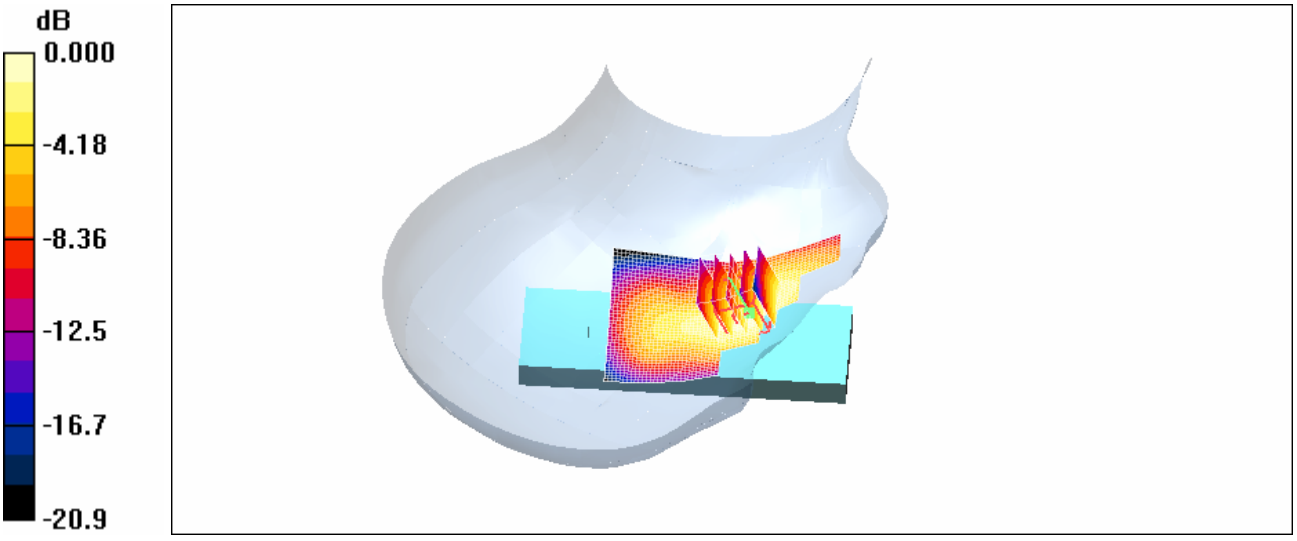
Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.37 mho/m; ε_r = 40.7; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(5.09, 5.09, 5.09); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2005-03-22
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.325 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.7 V/m; Power Drift = 0.082 dB
Peak SAR (extrapolated) = 0.440 W/kg
SAR(1 g) = 0.307 mW/g; SAR(10 g) = 0.196 mW/g
Maximum value of SAR (measured) = 0.333 mW/g



0 dB = 0.333mW/g

EZ800 Ch.810 Left Cheek Touch

DUT: EZ800; Type: Calm shell

***Test Date : 16/June/2006, Measured Liquid Temperature(C) : 21.5**

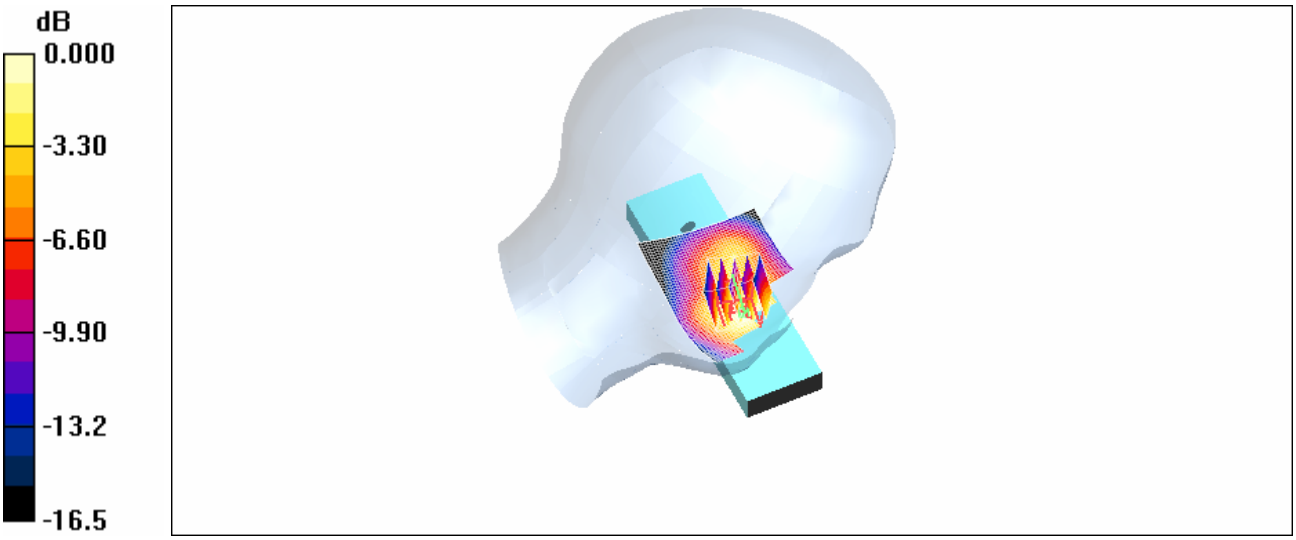
Communication System: PCS 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: HSL1900 Medium parameters used: f = 1909.8 MHz; σ = 1.4 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(5.09, 5.09, 5.09); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2005-03-22
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.235 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.5 V/m; Power Drift = -0.068 dB
Peak SAR (extrapolated) = 0.345 W/kg
SAR(1 g) = 0.229 mW/g; SAR(10 g) = 0.141 mW/g
Maximum value of SAR (measured) = 0.244 mW/g



0 dB = 0.244mW/g

EZ800 Ch.661 Right Cheek TILT

DUT: EZ800; Type: Calm shell

***Test Date : 16/June/2006, Measured Liquid Temperature(C) : 21.5**

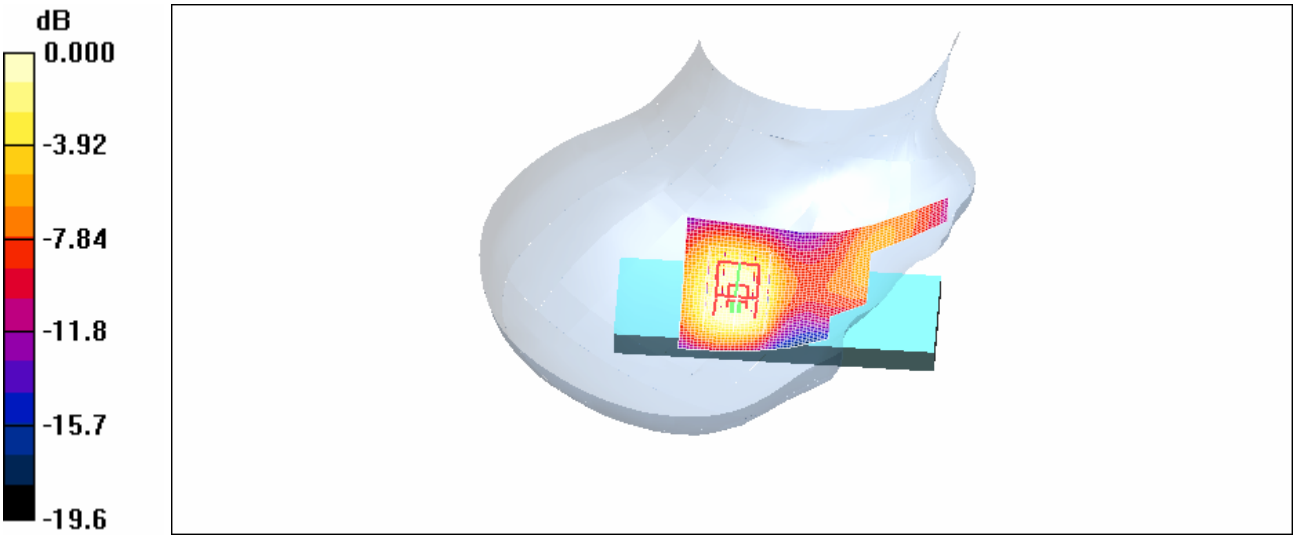
Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.37 mho/m; ε_r = 40.7; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(5.09, 5.09, 5.09); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2005-03-22
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.157 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.84 V/m; Power Drift = -0.022 dB
Peak SAR (extrapolated) = 0.164 W/kg
SAR(1 g) = 0.116 mW/g; SAR(10 g) = 0.076 mW/g
Maximum value of SAR (measured) = 0.123 mW/g



0 dB = 0.123mW/g

EZ800 Ch.512 Body

DUT: EZ800 body; Type: Calm shell

***Test Date : 16/June/2006, Measured Liquid Temperature(C) : 21.8**

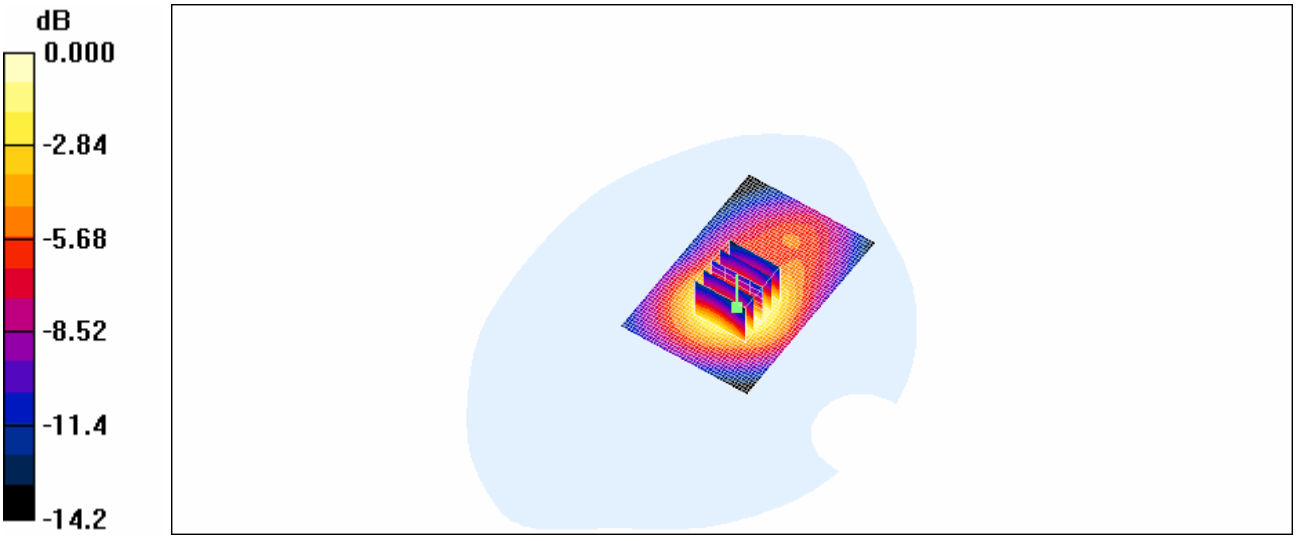
Communication System: PCS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium: HSL1900B Medium parameters used: f = 1850.2 MHz; σ = 1.51 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(4.39, 4.39, 4.39); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2005-03-22
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x61x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.277 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.89 V/m; Power Drift = 0.009 dB
Peak SAR (extrapolated) = 0.374 W/kg
SAR(1 g) = 0.258 mW/g; SAR(10 g) = 0.166 mW/g
Maximum value of SAR (measured) = 0.279 mW/g



0 dB = 0.279mW/g

EZ800 Ch.661 Body

DUT: SL388 body; Type: Calm shell

***Test Date : 16/June/2006, Measured Liquid Temperature(C) : 21.8**

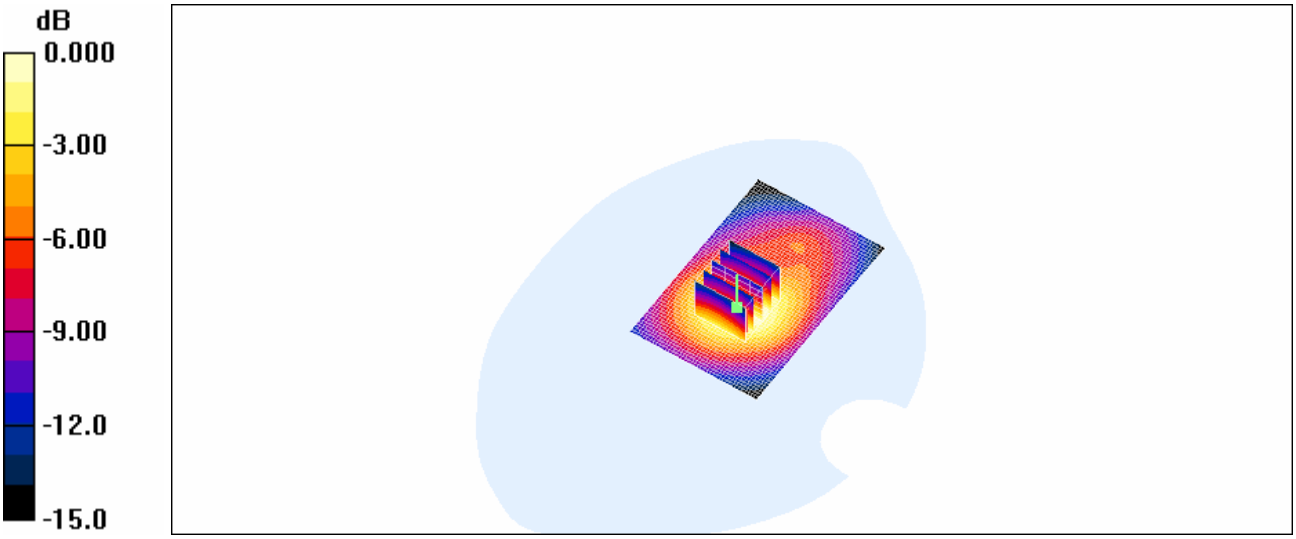
Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium: HSL1900B Medium parameters used: f = 1880 MHz; σ = 1.54 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(4.39, 4.39, 4.39); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2005-03-22
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x61x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.172 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.95 V/m; Power Drift = -0.061 dB
Peak SAR (extrapolated) = 0.242 W/kg
SAR(1 g) = 0.159 mW/g; SAR(10 g) = 0.100 mW/g
Maximum value of SAR (measured) = 0.168 mW/g



0 dB = 0.168mW/g

EZ800 Ch.810 body

DUT: EZ800 body; Type: Calm shell

***Test Date : 16/June/2006, Measured Liquid Temperature(C) : 21.8**

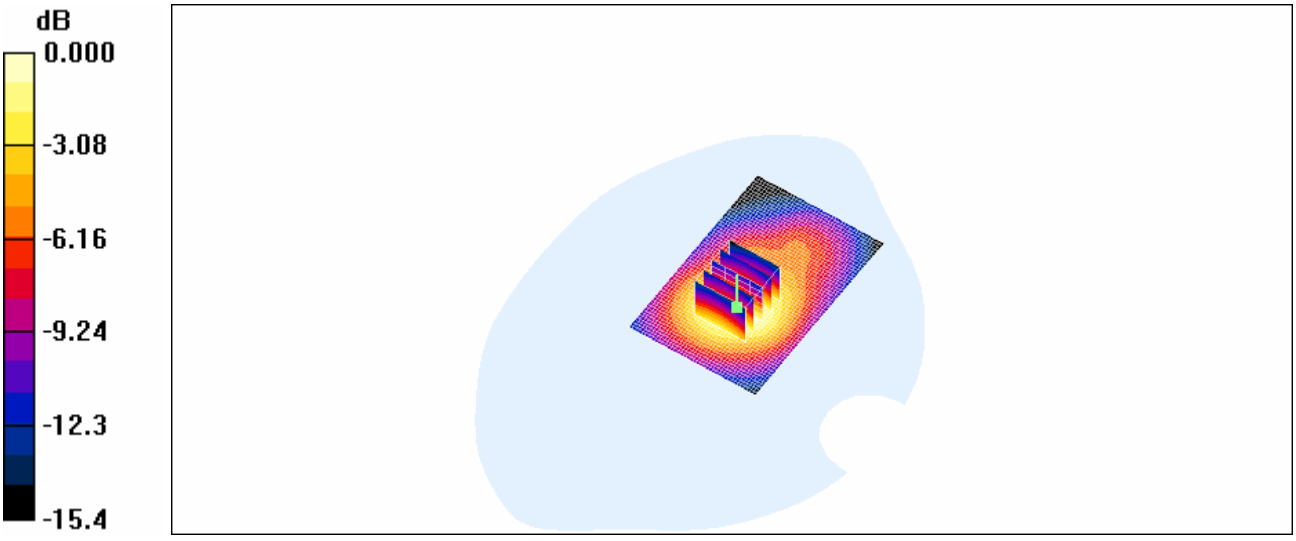
Communication System: PCS 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: HSL1900B Medium parameters used: f = 1909.8 MHz; σ = 1.58 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(4.39, 4.39, 4.39); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2005-03-22
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x61x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.223 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.19 V/m; Power Drift = 0.035 dB
Peak SAR (extrapolated) = 0.320 W/kg
SAR(1 g) = 0.208 mW/g; SAR(10 g) = 0.130 mW/g
Maximum value of SAR (measured) = 0.223 mW/g



0 dB = 0.223mW/g

EZ800 Ch.512 body GPRS850

DUT: EZ800 body; Type: Calm shell

***Test Date : 16/June/2006, Measured Liquid Temperature(C) : 21.8**

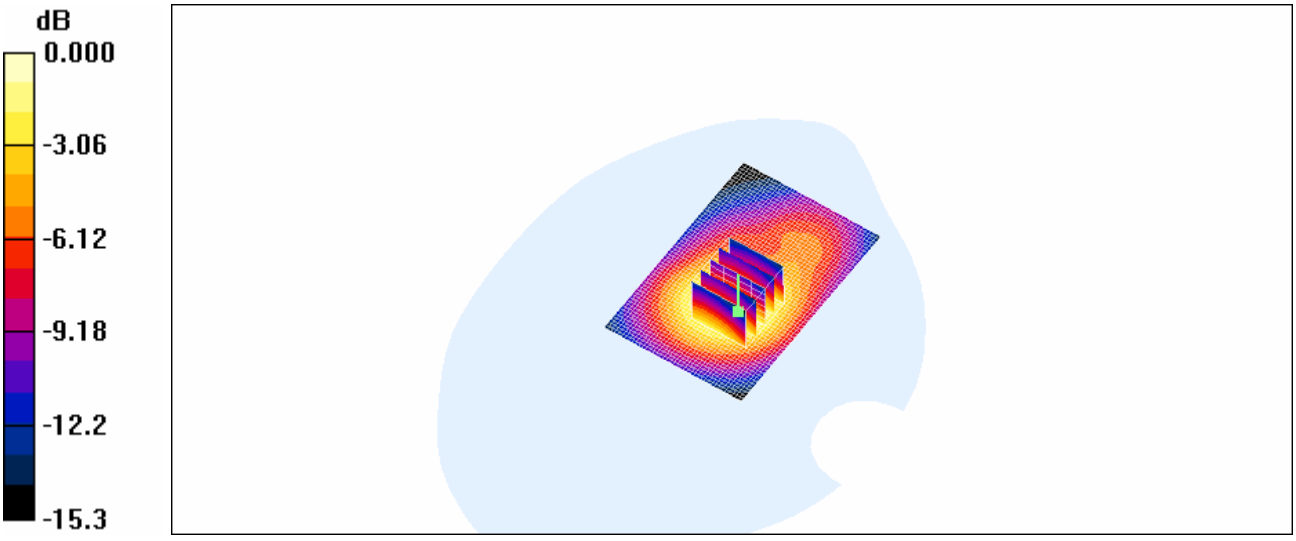
Communication System: PCS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium: HSL1900B Medium parameters used: f = 1850.2 MHz; σ = 1.51 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(4.39, 4.39, 4.39); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2005-03-22
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x61x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.272 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.48 V/m; Power Drift = -0.048 dB
Peak SAR (extrapolated) = 0.364 W/kg
SAR(1 g) = 0.245 mW/g; SAR(10 g) = 0.156 mW/g
Maximum value of SAR (measured) = 0.265 mW/g



0 dB = 0.265mW/g

EZ800 Ch.512 body Bluetooth Active

DUT: EZ800 body; Type: Calm shell

***Test Date : 16/June/2006, Measured Liquid Temperature(C) : 21.8**

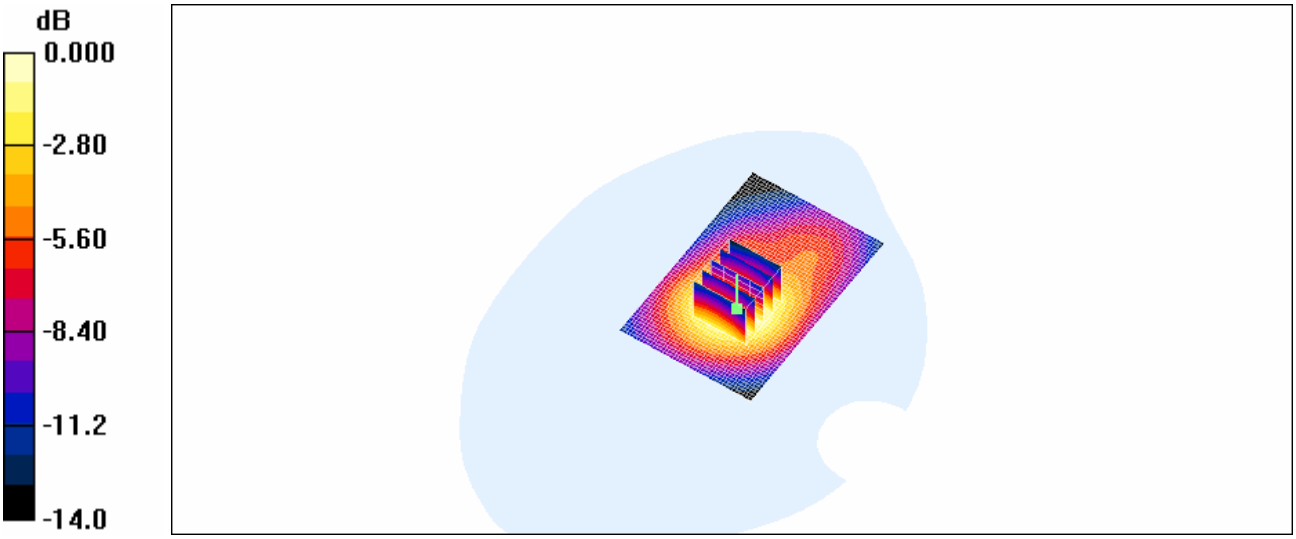
Communication System: PCS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium: HSL1900B Medium parameters used: f = 1850.2 MHz; σ = 1.51 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(4.39, 4.39, 4.39); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2005-03-22
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x61x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.210 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.19 V/m; Power Drift = -0.079 dB
Peak SAR (extrapolated) = 0.286 W/kg
SAR(1 g) = 0.196 mW/g; SAR(10 g) = 0.127 mW/g
Maximum value of SAR (measured) = 0.210 mW/g



0 dB = 0.210mW/g

SYSTEM VALIDATION 835MHz

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:481

***Test Date : 15/June/2006, Measured Liquid Temperature(C) : 21.0**

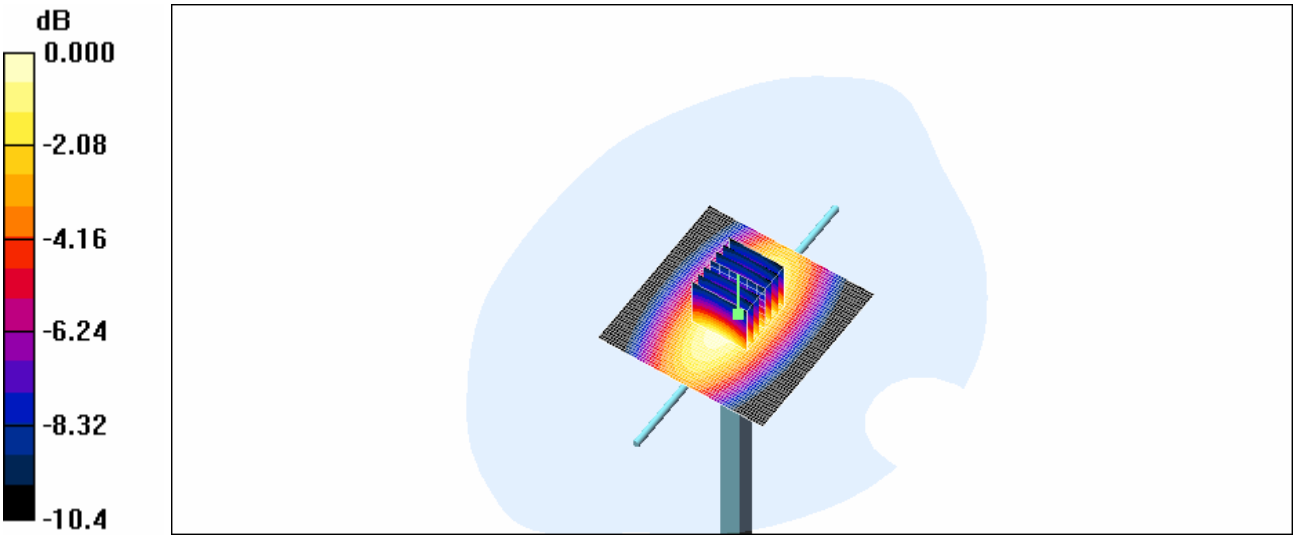
Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 835 MHz; σ = 0.868 mho/m; ε_r = 40.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(6.13, 6.13, 6.13); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2005-03-22
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 2.66 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.1 V/m; Power Drift = -0.009 dB
Peak SAR (extrapolated) = 3.60 W/kg
SAR(1 g) = 2.44 mW/g; SAR(10 g) = 1.61 mW/g
Maximum value of SAR (measured) = 2.64 mW/g



0 dB = 2.64mW/g

SYSTEM VALIDATION 1900MHz

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d038

***Test Date : 16/June/2006, Measured Liquid Temperature(C) : 21.5**

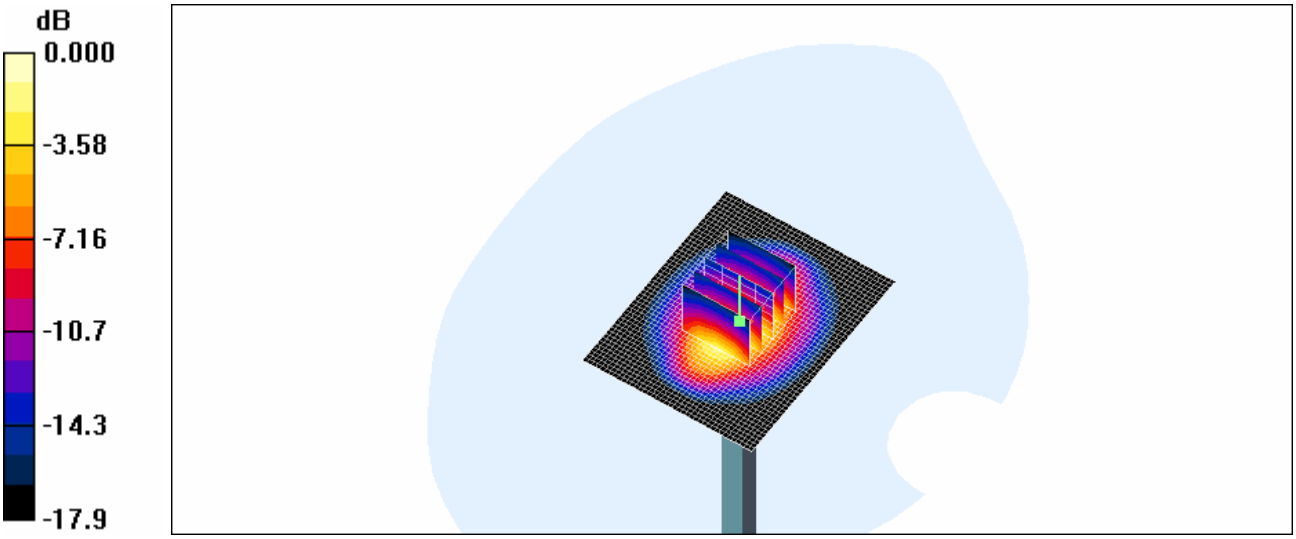
Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1900 MHz; σ = 1.39 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1773; ConvF(5.09, 5.09, 5.09); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2005-03-22
- Phantom: SAM Twin Phantom; Type: SAM; Serial: TP-1276
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (41x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 12.7 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 91.4 V/m; Power Drift = -0.020 dB
Peak SAR (extrapolated) = 17.4 W/kg
SAR(1 g) = 9.78 mW/g; SAR(10 g) = 5.1 mW/g
Maximum value of SAR (measured) = 11.0 mW/g



0 dB = 11.0mW/g

APPENDIX C : SAR TESTING EQUIPMENT CALIBRATION CERTIFICATE ATTACHMENTS

1. E-Field Probe Calibration Sheet (7 pages)

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
S Servizio svizzero di taratura
S Swiss Calibration Service

Accredited by the Swiss Federal Office of Metrology and Accreditation
The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 108

Client KTL (Dymstec) **Certificate No: ET3-1773_May06**

CALIBRATION CERTIFICATE

Object	ET3DV6 - SN: 1773
Calibration procedure(s)	QA CAL-01.v5 and QA CAL-12.v4 Calibration procedure for dosimetric E-field probes
Calibration date:	May 30, 2006
Condition of the calibrated item	In Tolerance

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3)°C and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power meter E4419B	GB41293874	5-Apr-06 (METAS, No. 251-00557)	Apr-07
Power sensor E4412A	MY41495277	5-Apr-06 (METAS, No. 251-00557)	Apr-07
Power sensor E4412A	MY41498087	5-Apr-06 (METAS, No. 251-00557)	Apr-07
Reference 3 dB Attenuator	SN: S5054 (3c)	11-Aug-05 (METAS, No. 251-00499)	Aug-06
Reference 20 dB Attenuator	SN: S5086 (20b)	4-Apr-06 (METAS, No. 251-00558)	Apr-07
Reference 30 dB Attenuator	SN: S5129 (30b)	11-Aug-05 (METAS, No. 251-00500)	Aug-06
Reference Probe ES3DV2	SN: 3013	2-Jan-06 (SPEAG, No. ES3-3013_Jan06)	Jan-07
DAE4	SN: 654	2-Feb-06 (SPEAG, No. DAE4-654_Feb06)	Feb-07

Secondary Standards	ID #	Check Date (in house)	Scheduled Check
RF generator HP 8648C	US3642U01700	4-Aug-99 (SPEAG, in house check Nov-05)	In house check: Nov-07
Network Analyzer HP 8753E	US37390585	18-Oct-01 (SPEAG, in house check Nov-05)	In house check: Nov 06

	Name	Function	Signature
Calibrated by:	Katja Pokovic	Technical Manager	
Approved by:	Niels Kuster	Quality Manager	

Issued: May 31, 2006