

	Test Report Serial No.:		022706DBZ-T724U-S74F	Report Issue No.:		S724U-031406-R0
	Date(s) of Evaluation:		March 02 & 07, 2006	Report Issue Date:		March 14, 2006
	Description of Tests:		RF Exposure	SAR	FCC 47 CFR §2.1093	IC RSS-102 Issue 2

APPENDIX E - SYSTEM VALIDATION

Applicant:	Lectrosonics, Inc.	FCC ID:	DBZSMQ	Model(s):	SM, SMD, SMQ	
DUT Type:	Wireless Belt-Pack Body-Worn Audio Transmitter			Block 29: 742.4 - 767.9 MHz	Block 37: 944.1 - 951.9 MHz	
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835 MHz SYSTEM VALIDATION DIPOLE

Type:

835 MHz Validation Dipole

Serial Number:

411

Place of Calibration:

Celltech Labs Inc.

Date of Calibration:

April 12, 2005

Celltech Labs Inc. hereby certifies that this device has been calibrated on the date indicated above.

Calibrated by:



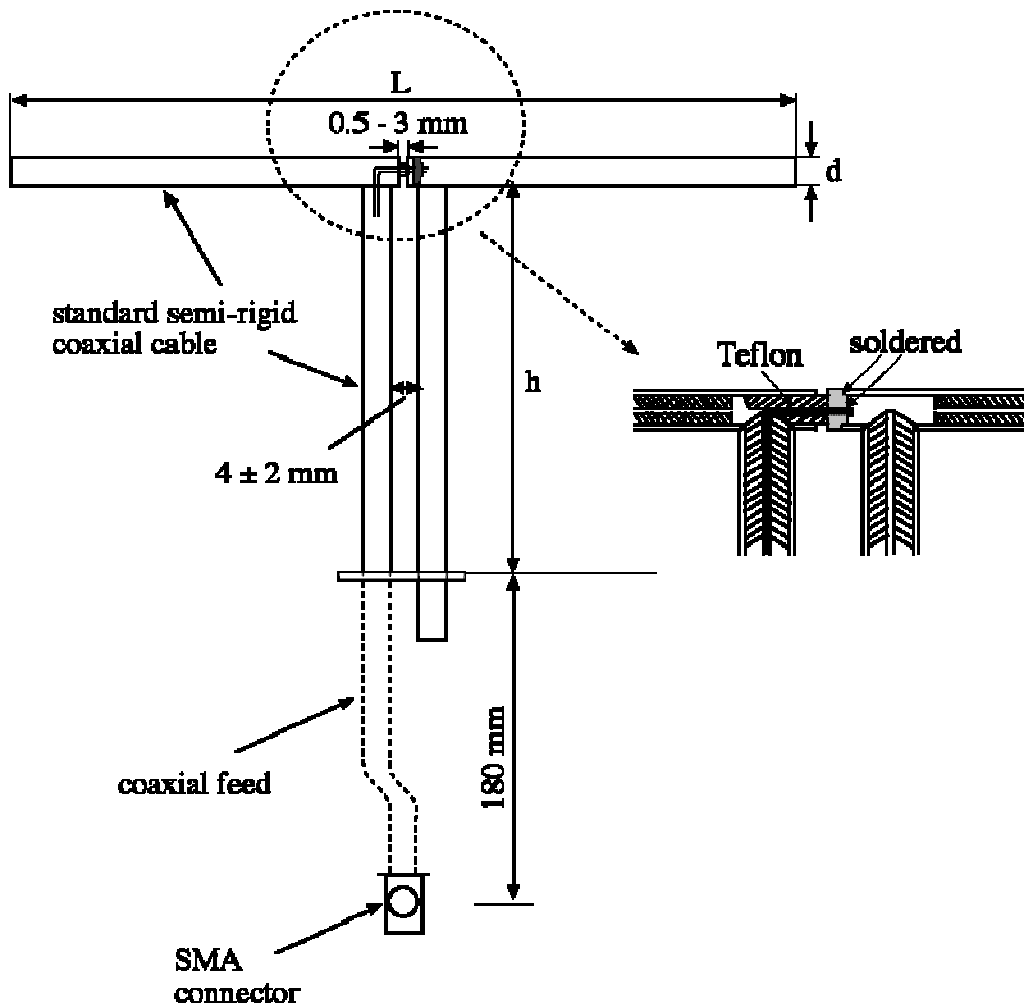
Approved by:



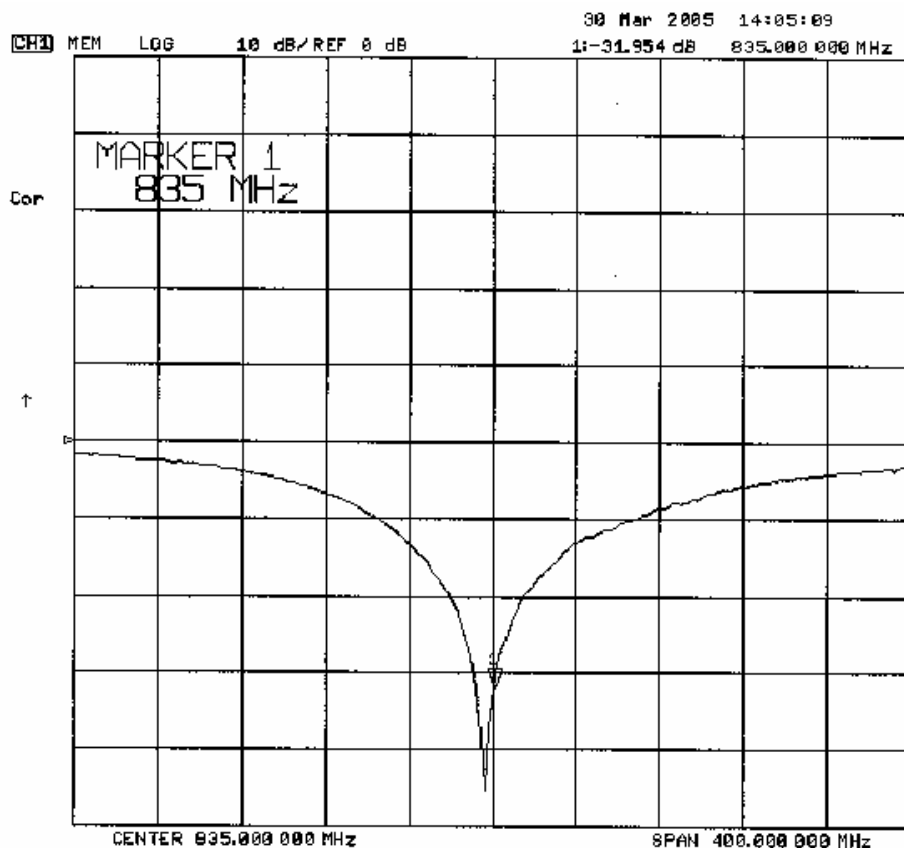
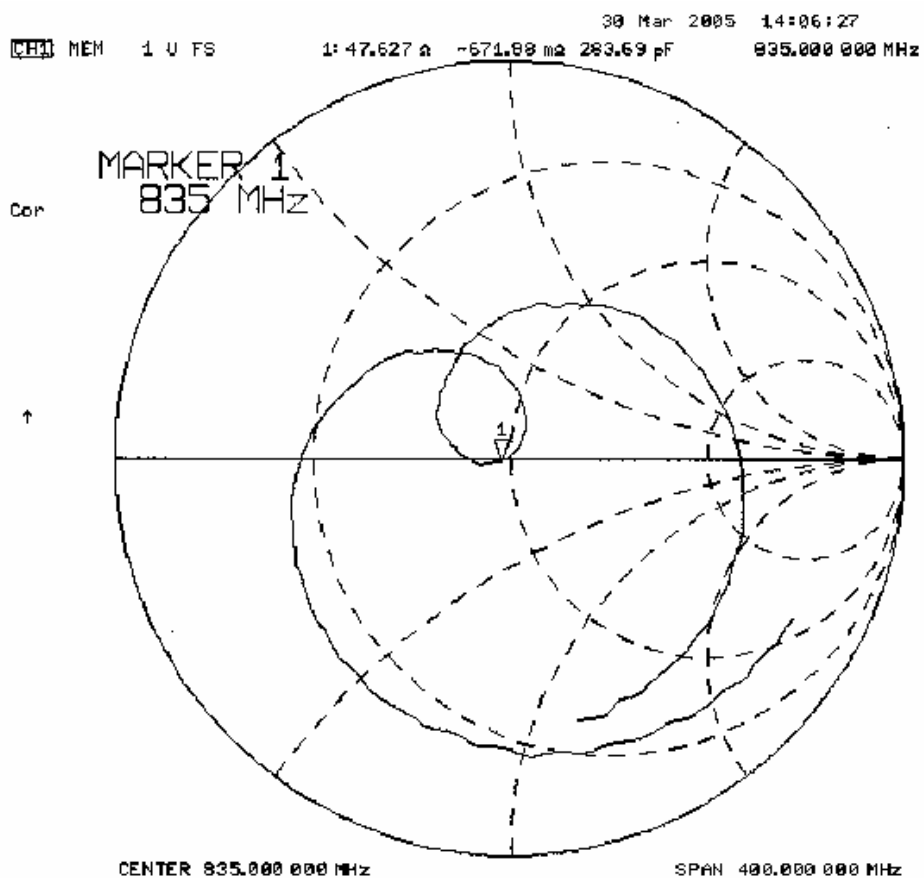
1. Validation Dipole Construction & Electrical Characteristics

The validation dipole was constructed in accordance with the IEEE Standard “Annex G (informative) Reference dipoles for use in system validation”. The electrical properties were measured using an HP 8753ET Network Analyzer. The network analyzer was calibrated to the validation dipole N-type connector feed point using an HP85032E Type N calibration kit. The dipole was placed parallel to a planar phantom at a separation distance of 15.0mm from the simulating fluid using a loss-less dielectric spacer. The measured input impedance is:

Feed point impedance at 835MHz	$\text{Re}\{Z\} = 47.627\Omega$ $\text{Im}\{Z\} = -0.67188\Omega$
Return Loss at 835MHz	-31.954dB



2. Validation Dipole VSWR Data



3. Validation Dipole Dimensions

Frequency (MHz)	L (mm)	h (mm)	d (mm)
300	420.0	250.0	6.2
450	288.0	167.0	6.2
835	161.0	89.8	3.6
900	149.0	83.3	3.6
1450	89.1	51.7	3.6
1800	72.0	41.7	3.6
1900	68.0	39.5	3.6
2000	64.5	37.5	3.6
2450	51.8	30.6	3.6
3000	41.5	25.0	3.6

4. Validation Phantom

The validation phantom is the SAM (Specific Anthropomorphic Mannequin) phantom manufactured by Schmid & Partner Engineering AG. The SAM phantom is a Fiberglass shell integrated in a wooden table. The shape of the shell corresponds to the phantom defined by SCC34-SC2. 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 in the robot.

Shell Thickness: 2.0 ± 0.1 mm
Filling Volume: Approx. 25 liters
Dimensions: 50 cm (W) x 100 cm (L)

5. 835 MHz System Validation Setup



6. 835 MHz Validation Dipole Setup



7. Measurement Conditions

The SAM phantom was filled with 835 MHz simulated body tissue mixture having the following parameters:

Relative Permittivity: 53.0
 Conductivity: 0.98 mho/m
 Fluid Temperature: 21.2 °C
 Fluid Depth: ≥ 15.0 cm

Environmental Conditions:
 Ambient Temperature: 22.6 °C
 Barometric Pressure: 103.4 kPa
 Humidity: 36 %

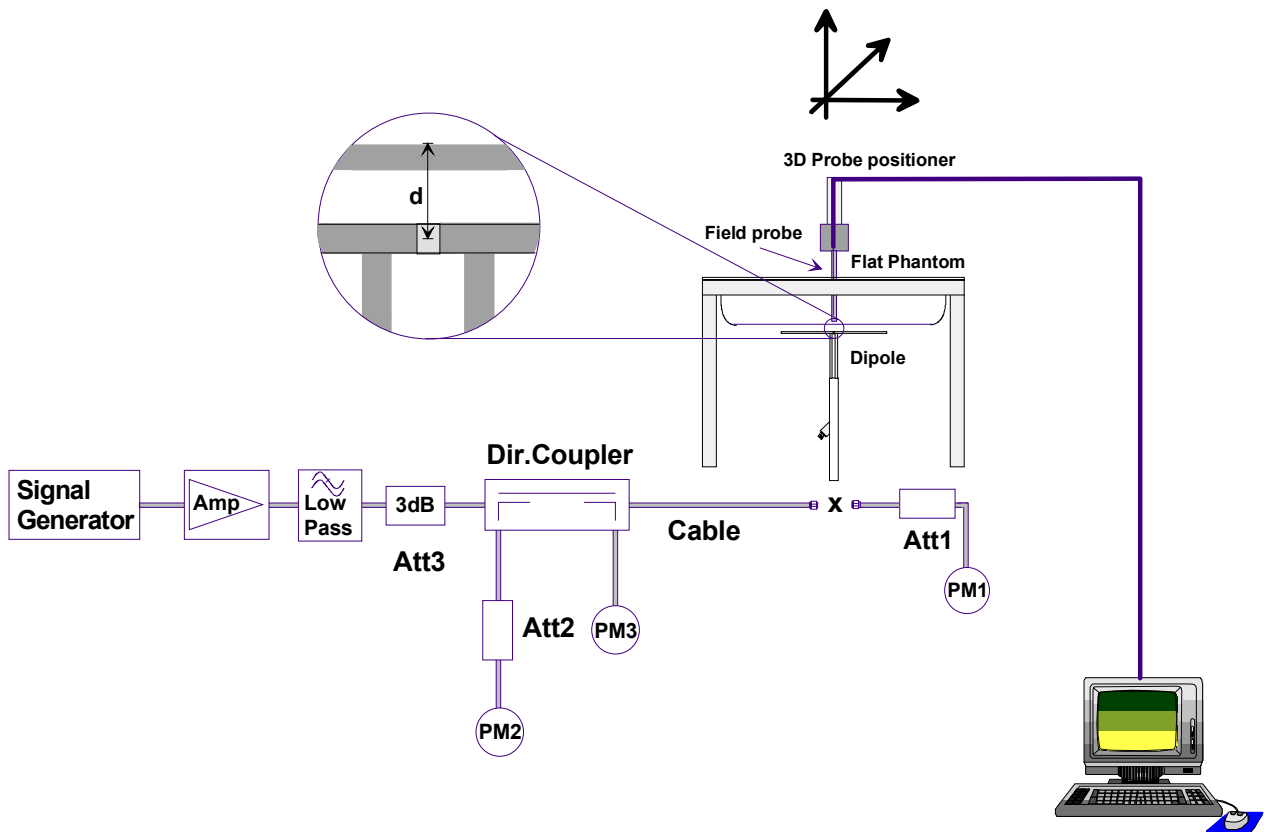
Measurements were made at the planar section of the SAM phantom using a dosimetric E-field probe ET3DV5 (S/N: 1590, conversion factor 6.71).

The 835 MHz simulated body tissue mixture consisted of the following ingredients:

Ingredient	Percentage by weight
Water	53.79%
Sugar	45.13%
Salt	0.98%
Dowicil 75	0.10%
Target Dielectric Parameters at 22 °C	$\epsilon_r = 55.2$ $\sigma = 0.97$ S/m

8. SAR Measurement

The SAR measurement was performed with the E-field probe in mechanical detection mode only. The setup and determination of the forward power into the dipole was performed using the following procedures.



First the power meter PM1 (including attenuator Att1) is connected to the cable to measure the forward power at the location of the dipole connector (X). The signal generator is adjusted for the desired forward power at the dipole connector (taking into account the attenuation of Att1) as read by power meter PM2. After connecting the cable to the dipole, the signal generator is readjusted for the same reading at power meter PM2. If the signal generator does not allow adjustment in 0.01dB steps, the remaining difference at PM2 must be taken into consideration. PM3 records the reflected power from the dipole to ensure that the value is not changed from the previous value. The reflected power should be 20dB below the forward power.

9. Validation Dipole SAR Test Results

Ten SAR measurements were performed in order to achieve repeatability and to establish an average target value.

Validation Measurement	SAR @ 0.25W Input averaged over 1g	SAR @ 1W Input averaged over 1g	SAR @ 0.25W Input averaged over 10g	SAR @ 1W Input averaged over 10g	Peak SAR @ 0.25W Input
Test 1	2.61	10.44	1.72	6.88	3.79
Test 2	2.61	10.44	1.72	6.88	3.83
Test 3	2.60	10.40	1.71	6.84	3.79
Test 4	2.60	10.40	1.71	6.84	3.80
Test 5	2.59	10.36	1.71	6.84	3.77
Test 6	2.60	10.40	1.71	6.84	3.77
Test 7	2.60	10.40	1.71	6.84	3.78
Test 8	2.60	10.40	1.71	6.84	3.81
Test 9	2.59	10.36	1.71	6.84	3.76
Test10	2.61	10.44	1.72	6.88	3.80
Average SAR	2.60	10.40	1.71	6.85	3.79

Target SAR @ 1 Watt Input averaged over 1 gram (W/kg)		Measured SAR @ 1 Watt Input averaged over 1 gram (W/kg)	Deviation from Target (%)	Target SAR @ 1 Watt Input averaged over 10 grams (W/kg)		Measured SAR @ 1 Watt Input averaged over 10 grams (W/kg)	Deviation from Target (%)
9.71	+/- 10%	10.4	+ 7.2	6.38	+/- 10%	6.85	+ 7.4

Dipole Type	Distance [mm]	Frequency [MHz]	SAR (1g) [W/kg]	SAR (10g) [W/kg]	SAR (peak) [W/kg]
D300V2	15	300	3.02	2.06	4.36
D450V2	15	450	5.01	3.36	7.22
D835V2	15	835	9.71	6.38	14.1
D900V2	15	900	11.1	7.17	16.3
D1450V2	10	1450	29.6	16.6	49.8
D1500V2	10	1500	30.8	17.1	52.1
D1640V2	10	1640	34.4	18.7	59.4
D1800V2	10	1800	38.5	20.3	67.5
D1900V2	10	1900	39.8	20.8	69.6
D2000V2	10	2000	40.9	21.2	71.5
D2450V2	10	2450	51.2	23.7	97.6
D3000V2	10	3000	61.9	24.8	136.7

Table 32.1: Numerical reference SAR values for SPEAG dipoles and flat phantom filled with body-tissue simulating liquid. Note: All SAR values normalized to 1 W forward power.

835 MHz System Validation (Body) - April 12, 2005

DUT: Dipole 835 MHz; Type: D835V2; Serial: 411
 Ambient Temp: 22.6°C; Fluid Temp: 21.2°C; Barometric Pressure: 103.4 kPa; Humidity: 36%
 Communication System: CW
 Forward Conducted Power: 250 mW
 Frequency: 835 MHz; Duty Cycle: 1:1
 Medium: MSL835 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.98 \text{ mho/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$
 - Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/05/2004
 - Sensor-Surface: 4mm (Mechanical Surface Detection)
 - Electronics: DAE3 Sn353; Calibrated: 06/07/2004
 - Phantom: SAM 4.0; Type: Fiberglass; Serial: 1033
 - Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

835 MHz System Performance Check/Area Scan (6x10x1): Measurement grid: dx=10mm, dy=10mm

835 MHz System Performance Check/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 55.2 V/m; Power Drift = 0.020 dB
 Peak SAR (extrapolated) = 3.79 W/kg
SAR(1 g) = 2.61 mW/g; SAR(10 g) = 1.72 mW/g

835 MHz System Performance Check/Zoom Scan 2 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 55.7 V/m; Power Drift = -0.054 dB
 Peak SAR (extrapolated) = 3.83 W/kg
SAR(1 g) = 2.61 mW/g; SAR(10 g) = 1.72 mW/g

835 MHz System Performance Check/Zoom Scan 3 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 55.4 V/m; Power Drift = -0.025 dB
 Peak SAR (extrapolated) = 3.79 W/kg
SAR(1 g) = 2.60 mW/g; SAR(10 g) = 1.71 mW/g

835 MHz System Performance Check/Zoom Scan 4 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 55.3 V/m; Power Drift = -0.010 dB
 Peak SAR (extrapolated) = 3.80 W/kg
SAR(1 g) = 2.60 mW/g; SAR(10 g) = 1.71 mW/g

835 MHz System Performance Check/Zoom Scan 5 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 55.2 V/m; Power Drift = -0.00 dB
 Peak SAR (extrapolated) = 3.77 W/kg
SAR(1 g) = 2.59 mW/g; SAR(10 g) = 1.71 mW/g

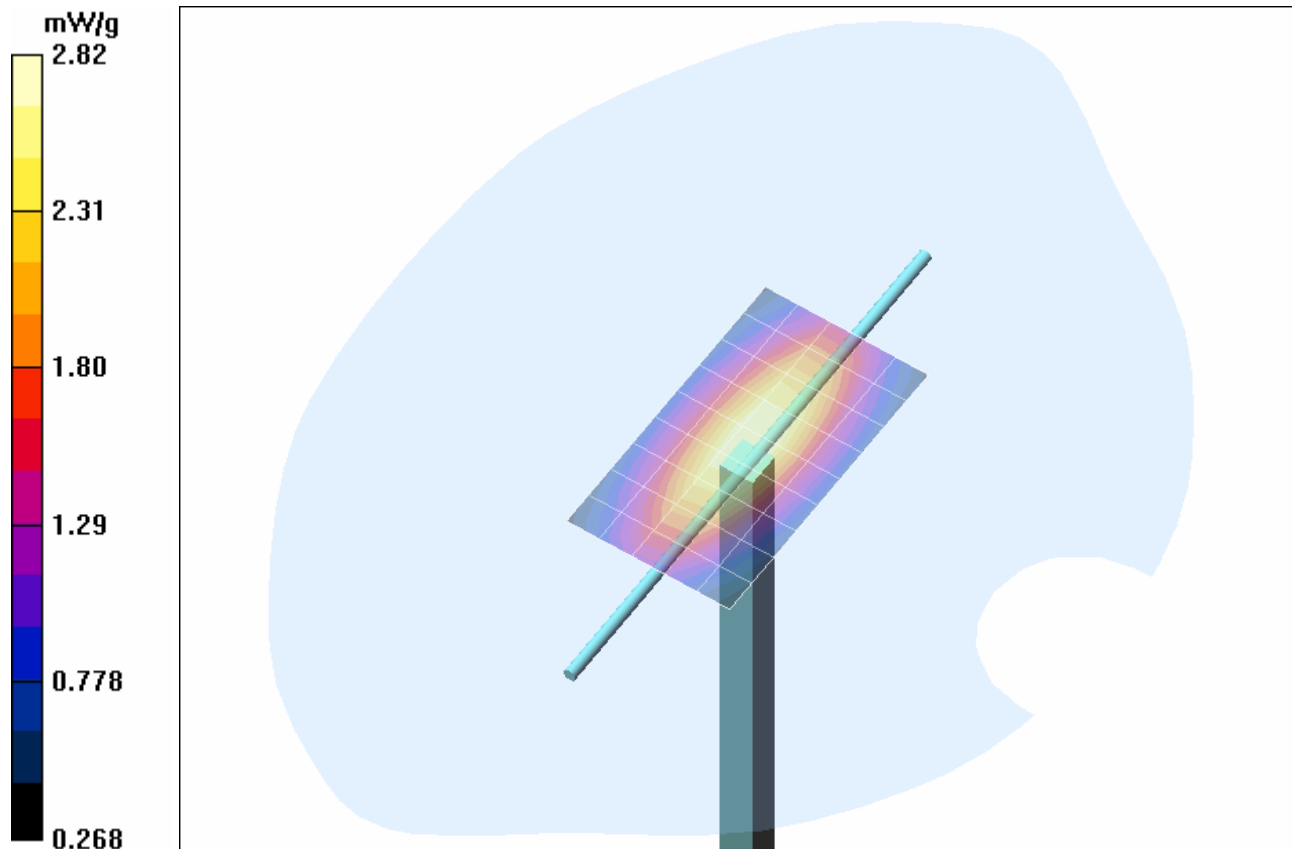
835 MHz System Performance Check/Zoom Scan 6 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 55.2 V/m; Power Drift = 0.00 dB
 Peak SAR (extrapolated) = 3.77 W/kg
SAR(1 g) = 2.60 mW/g; SAR(10 g) = 1.71 mW/g

835 MHz System Performance Check/Zoom Scan 7 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 55.4 V/m; Power Drift = -0.00 dB
 Peak SAR (extrapolated) = 3.78 W/kg
SAR(1 g) = 2.60 mW/g; SAR(10 g) = 1.71 mW/g

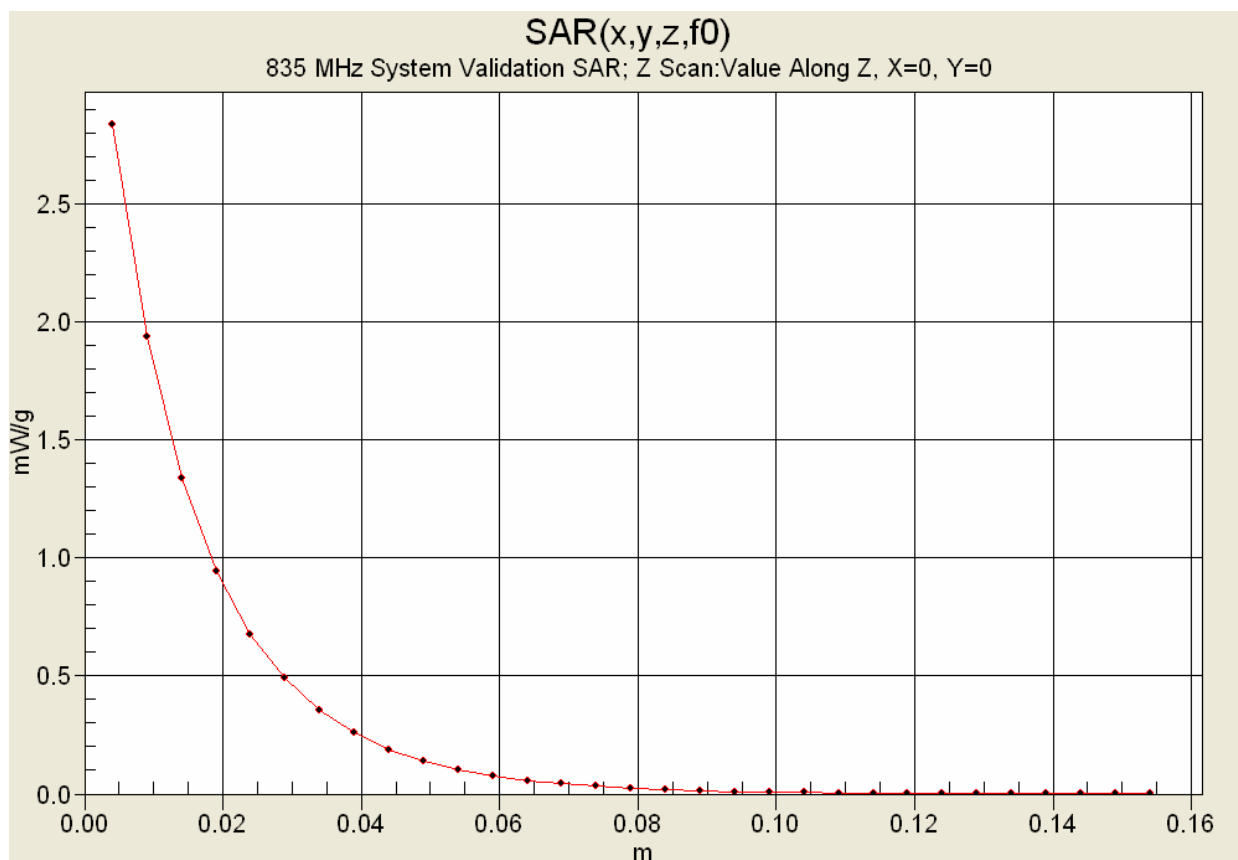
835 MHz System Performance Check/Zoom Scan 8 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 55.1 V/m; Power Drift = 0.013 dB
 Peak SAR (extrapolated) = 3.81 W/kg
SAR(1 g) = 2.60 mW/g; SAR(10 g) = 1.71 mW/g

835 MHz System Performance Check/Zoom Scan 9 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 55.5 V/m; Power Drift = -0.00 dB
 Peak SAR (extrapolated) = 3.76 W/kg
SAR(1 g) = 2.59 mW/g; SAR(10 g) = 1.71 mW/g

835 MHz System Performance Check/Zoom Scan 10 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 55.2 V/m; Power Drift = 0.01 dB
 Peak SAR (extrapolated) = 3.80 W/kg
SAR(1 g) = 2.61 mW/g; SAR(10 g) = 1.72 mW/g



1 g average of 10 measurements: 2.60 mW/g
10 g average of 10 measurements: 1.71 mW/g



10. Measured Fluid Dielectric Parameters

835 MHz System Validation (Body)

Measured Fluid Dielectric Parameters (Muscle)

April 12, 2005

Frequency	ϵ'	ϵ''
735.000000 MHz	54.0378	21.6286
745.000000 MHz	53.8896	21.5691
755.000000 MHz	53.8006	21.4920
765.000000 MHz	53.6592	21.4574
775.000000 MHz	53.5651	21.4082
785.000000 MHz	53.4598	21.3813
795.000000 MHz	53.3996	21.3224
805.000000 MHz	53.2805	21.2791
815.000000 MHz	53.2061	21.2382
825.000000 MHz	53.1022	21.1974
835.000000 MHz	52.9838	21.1959
845.000000 MHz	52.8546	21.1661
855.000000 MHz	52.7335	21.1454
865.000000 MHz	52.5991	21.1198
875.000000 MHz	52.4868	21.0980
885.000000 MHz	52.4035	21.0714
895.000000 MHz	52.3499	21.0447
905.000000 MHz	52.2262	21.0295
915.000000 MHz	52.1465	20.9572
925.000000 MHz	52.0498	20.9643
935.000000 MHz	51.9344	20.8879



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Accreditation No.: **SCS 108**

Client **Celltech Labs**

Certificate No: **D900V2-054_Jun05**

CALIBRATION CERTIFICATE

Object **D900V2 - SN: 054**

Calibration procedure(s) **QA CAL-05.v6**
Calibration procedure for dipole validation kits

Calibration date: **June 10, 2005**

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 EPM E442	GB37480704	12-Oct-04 (METAS, No. 251-00412)	Oct-05
Power sensor HP 8481A	US37292783	12-Oct-04 (METAS, No. 251-00412)	Oct-05
Reference 20 dB Attenuator	SN: 5086 (20g)	10-Aug-04 (METAS, No 251-00402)	Aug-05
Reference 10 dB Attenuator	SN: 5047.2 (10r)	10-Aug-04 (METAS, No 251-00402)	Aug-05
Reference Probe ET3DV6	SN 1507	26-Oct-04 (SPEAG, No. ET3-1507_Oct04)	Oct-05
DAE4	SN 601	07-Jan-05 (SPEAG, No. DAE4-601_Jan05)	Jan-06
Secondary Standards	ID #	Check Date (in house)	Scheduled Check
Power sensor HP 8481A	MY41092317	18-Oct-02 (SPEAG, in house check Oct-03)	In house check: Oct-05
RF generator R&S SML-03	100698	27-Mar-02 (SPEAG, in house check Dec-03)	In house check: Dec-05
Network Analyzer HP 8753E	US37390585 S4206	18-Oct-01 (SPEAG, in house check Nov-04)	In house check: Nov-05

	Name	Function	Signature
Calibrated by:	Judith Müller	Laboratory Technician	
Approved by:	Katja Pokovic	Technical Manager	

Issued: June 14, 2005

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.



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Accreditation No.: **SCS 108**

Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM x,y,z
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

- a) IEEE Std 1528-2003, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", December 2003
- b) CENELEC EN 50361, "Basic standard for the measurement of Specific Absorption Rate related to human exposure to electromagnetic fields from mobile phones (300 MHz - 3 GHz), July 2001
- c) Federal Communications Commission Office of Engineering & Technology (FCC OET), "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields; Additional Information for Evaluating Compliance of Mobile and Portable Devices with FCC Limits for Human Exposure to Radiofrequency Emissions", Supplement C (Edition 01-01) to Bulletin 65

Additional Documentation:

- d) DASY4 System Handbook

Methods Applied and Interpretation of Parameters:

- *Measurement Conditions:* Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL:* The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss:* These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay:* One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- *SAR measured:* SAR measured at the stated antenna input power.
- *SAR normalized:* SAR as measured, normalized to an input power of 1 W at the antenna connector.
- *SAR for nominal TSL parameters:* The measured TSL parameters are used to calculate the nominal SAR result.

Measurement Conditions

DASY system configuration, as far as not given on page 1.

DASY Version	DASY4	V4.6
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom V4.9	
Distance Dipole Center - TSL	15 mm	with Spacer
Area Scan resolution	dx, dy = 15 mm	
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	900 MHz $\pm$ 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	41.5	0.97 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	41.4 $\pm$ 6 %	0.97 mho/m $\pm$ 6 %
Head TSL temperature during test	(22.0 $\pm$ 0.2) °C	----	----

SAR result with Head TSL

SAR averaged over 1 cm³ (1 g) of Head TSL	condition	
SAR measured	250 mW input power	2.71 mW / g
SAR normalized	normalized to 1W	10.8 mW / g
SAR for nominal Head TSL parameters ¹	normalized to 1W	10.8 mW / g $\pm$ 17.0 % (k=2)

SAR averaged over 10 cm³ (10 g) of Head TSL	condition	
SAR measured	250 mW input power	1.76 mW / g
SAR normalized	normalized to 1W	7.04 mW / g
SAR for nominal Head TSL parameters ¹	normalized to 1W	7.03 mW / g $\pm$ 16.5 % (k=2)

¹ Correction to nominal TSL parameters according to d), chapter "SAR Sensitivities"

Body TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	55.0	1.05 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	54.3 ± 6 %	1.07 mho/m ± 6 %
Body TSL temperature during test	(22.3 ± 0.2) °C	----	----

SAR result with Body TSL

SAR averaged over 1 cm ³ (1 g) of Body TSL	condition	
SAR measured	250 mW input power	2.79 mW / g
SAR normalized	normalized to 1W	11.2 mW / g
SAR for nominal Body TSL parameters ²	normalized to 1W	10.9 mW / g ± 17.0 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Body TSL	condition	
SAR measured	250 mW input power	1.81 mW / g
SAR normalized	normalized to 1W	7.24 mW / g
SAR for nominal Body TSL parameters ²	normalized to 1W	7.09 mW / g ± 16.5 % (k=2)

² Correction to nominal TSL parameters according to d), chapter "SAR Sensitivities"

Appendix

Antenna Parameters with Head TSL

Impedance, transformed to feed point	50.8 Ω - 7.1 j Ω
Return Loss	- 22.7 dB

Antenna Parameters with Body TSL

Impedance, transformed to feed point	47.3 Ω - 8.5 j Ω
Return Loss	- 19.9 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.408 ns
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After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals.

No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data

Manufactured by	SPEAG
Manufactured on	August 25, 1999

DASY4 Validation Report for Head TSL

Date/Time: 10.06.2005 14:44:16

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 900 MHz; Type: D900V2; Serial: D900V2 - SN:054

Communication System: CW-900; Frequency: 900 MHz; Duty Cycle: 1:1

Medium: HSL 900 MHz;

Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 0.97 \text{ mho/m}$; $\epsilon_r = 41.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1507; ConvF(5.95, 5.95, 5.95); Calibrated: 26.10.2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 07.01.2005
- Phantom: Flat Phantom 4.9L; Type: QD000P49AA; ;
- Measurement SW: DASY4, V4.6 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 149

Pin = 250 mW; d = 15 mm/Area Scan (81x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 2.89 mW/g

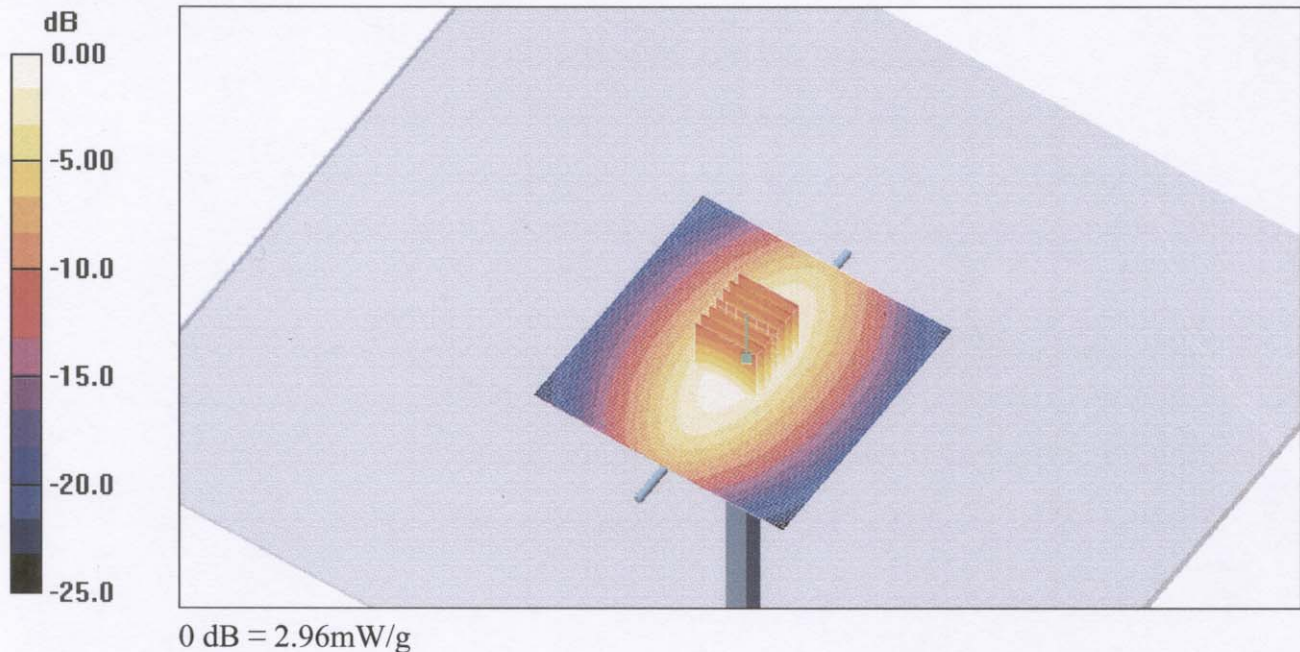
Pin = 250 mW; d = 15 mm/Zoom Scan 2 (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 57.0 V/m; Power Drift = 0.104 dB

Peak SAR (extrapolated) = 3.98 W/kg

SAR(1 g) = 2.71 mW/g; SAR(10 g) = 1.76 mW/g

Maximum value of SAR (measured) = 2.96 mW/g



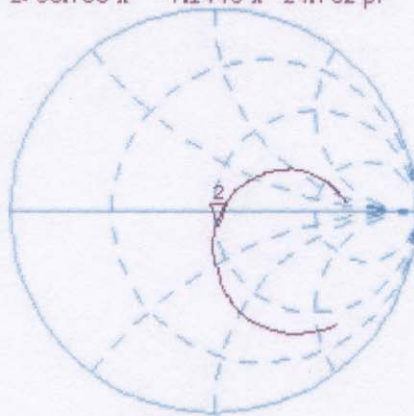
Impedance Measurement Plot for Head TSL

CH1 S11 1 U FS 10 Jun 2005 09:54:16
2: 50.758 Ω -7.1445 Ω 24.752 pF 900.000 000 MHz

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Del
Cor

Avg
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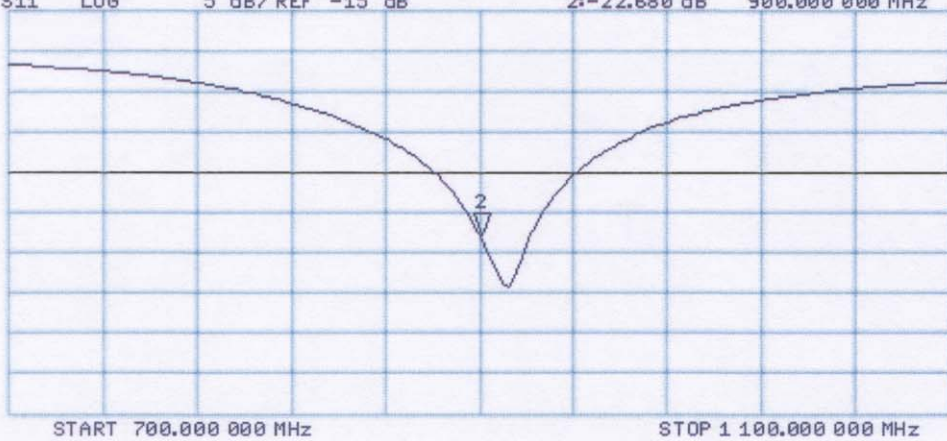
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CH2 S11 LOG 5 dB/REF -15 dB 2:-22.680 dB 900.000 000 MHz

Cor

↑



DASY4 Validation Report for Body TSL

Date/Time: 09.06.2005 15:40:50

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 900 MHz; Type: D900V2; Serial: D900V2 - SN:054

Communication System: CW-900; Frequency: 900 MHz; Duty Cycle: 1:1

Medium: MSL 900 MHz;

Medium parameters used: $f = 900$ MHz; $\sigma = 1.07$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1507; ConvF(5.77, 5.77, 5.77); Calibrated: 26.10.2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 07.01.2005
- Phantom: Flat Phantom 4.9L; Type: QD000P49AA; ;
- Measurement SW: DASY4, V4.5 Build 30; Postprocessing SW: SEMCAD, V1.8 Build 149

Pin = 250 mW; d = 15 mm 2/Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 3.03 mW/g

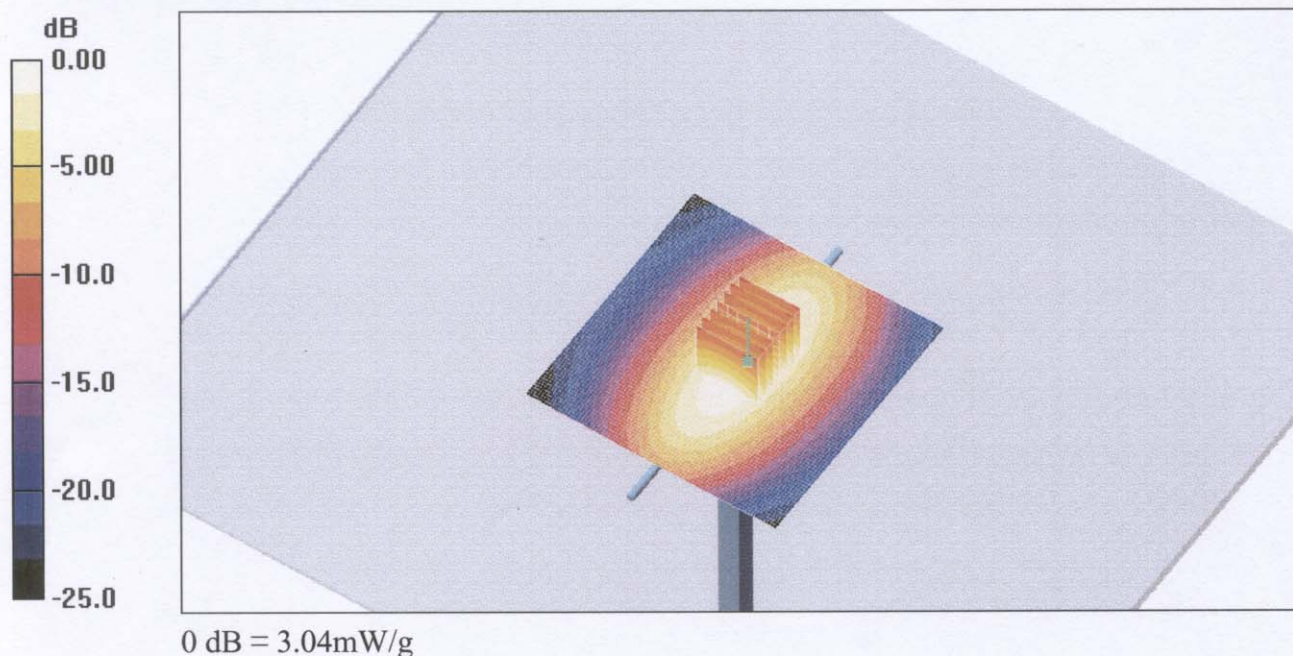
Pin = 250 mW; d = 15 mm 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.3 V/m; Power Drift = 0.025 dB

Peak SAR (extrapolated) = 3.98 W/kg

SAR(1 g) = 2.79 mW/g; SAR(10 g) = 1.81 mW/g

Maximum value of SAR (measured) = 3.04 mW/g



Impedance Measurement Plot for Body TSL

