

Date/Time: 11/18/2005 11:19:00 AM

Left Cheek_PCS Ch661_20051118

DUT: 592703-01; Type: ASUS J201S Dual-Band GPRS Mobile Phone

Communication System: PCS; Frequency: 1880 MHz;Duty Cycle: 1:8.3 Medium: HSL_1900 Medium parameters used: f = 1880 MHz; σ = 1.44 mho/m; ϵ_r = 39.1; ρ = 1000 kg/m³ Ambient Temperature : 20.2 °C; Liquid Temperature : 20.0 °C

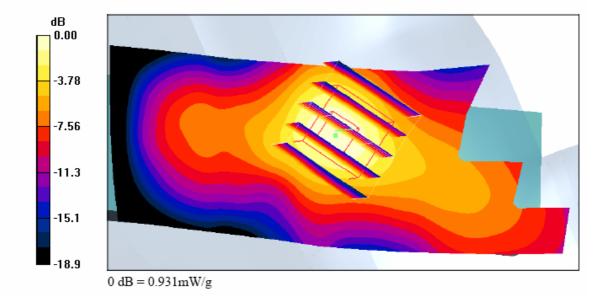
DASY4 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(5.16, 5.16, 5.16); Calibrated: 9/30/2004

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn658; Calibrated: 3/30/2005
- Phantom: SAM-A; Type: QD 000 P40 C; Serial: TP-1303
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Ch661/Area Scan (41x111x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (interpolated) = 0.893 mW/g

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 7.67 V/m; Power Drift = -0.029 dB Peak SAR (extrapolated) = 1.40 W/kg SAR(1 g) = 0.825 mW/g; SAR(10 g) = 0.438 mW/g Maximum value of SAR (measured) = 0.931 mW/g





Date/Time: 11/18/2005 11:49:49 AM

Left Cheek_PCS Ch810_20051118

DUT: 592703-01; Type: ASUS J201S Dual-Band GPRS Mobile Phone

Communication System: PCS; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3 Medium: HSL_1900 Medium parameters used : f = 1909.8 MHz; σ = 1.46 mho/m; ϵ_r = 39; ρ = 1000 kg/m³ Ambient Temperature : 20.2 °C; Liquid Temperature : 20.0 °C

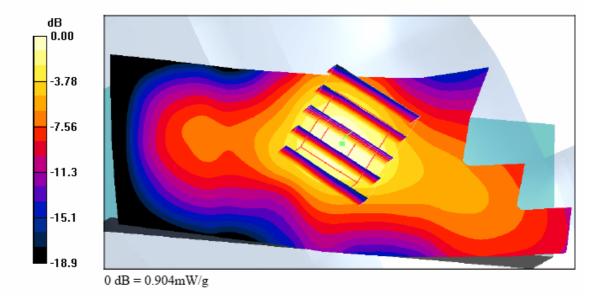
DASY4 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(5.16, 5.16, 5.16); Calibrated: 9/30/2004

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn658; Calibrated: 3/30/2005
- Phantom: SAM-A; Type: QD 000 P40 C; Serial: TP-1303
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Ch810/Area Scan (41x111x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (interpolated) = 0.907 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 7.92 V/m; Power Drift = -0.00 dB Peak SAR (extrapolated) = 1.39 W/kg SAR(1 g) = 0.820 mW/g; SAR(10 g) = 0.436 mW/g Maximum value of SAR (measured) = 0.904 mW/g





Date/Time: 11/18/2005 12:05:49 PM

Left Tilted_PCS Ch661_20051118

DUT: 592703-01; Type: ASUS J201S Dual-Band GPRS Mobile Phone

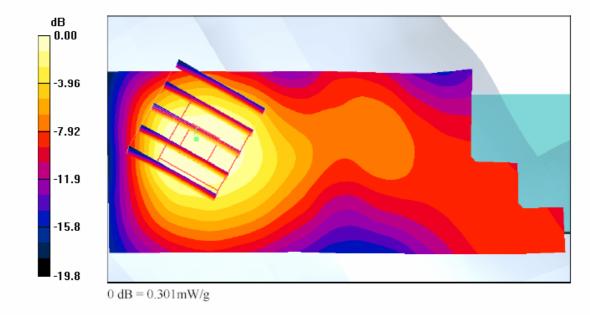
Communication System: PCS; Frequency: 1880 MHz;Duty Cycle: 1:8.3 Medium: HSL_1900 Medium parameters used: f = 1880 MHz; σ = 1.44 mho/m; ϵ_r = 39.1; ρ = 1000 kg/m³ Ambient Temperature : 20.2 °C; Liquid Temperature : 20.0 °C

DASY4 Configuration:

- Probe: ET3DV6 SN1788; ConvF(5.16, 5.16, 5.16); Calibrated: 9/30/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn658; Calibrated: 3/30/2005
- Phantom: SAM-A; Type: QD 000 P40 C; Serial: TP-1303
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Ch661/Area Scan (41x111x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (interpolated) = 0.345 mW/g

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 11.5 V/m; Power Drift = -0.076 dB Peak SAR (extrapolated) = 0.436 W/kg SAR(1 g) = 0.285 mW/g; SAR(10 g) = 0.168 mW/g Maximum value of SAR (measured) = 0.301 mW/g





Date/Time: 11/18/2005 11:29:25 PM

Body_GSM850 Ch190_Keypad Up with 1.5cm Gap_20051118

DUT: 592703-01; Type: ASUS J201S Dual-Band GPRS Mobile Phone

Communication System: GSM850; Frequency: 836.6 MHz;Duty Cycle: 1:4 Medium: MSL_850 Medium parameters used : f = 836.6 MHz; $\sigma = 0.95$ mho/m; $\epsilon_r = 54.9$; $\rho = 1000$ kg/m³ Ambient Temperature : 21.1 °C; Liquid Temperature : 20.8 °C

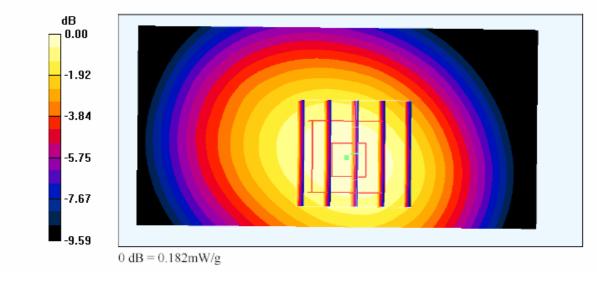
DASY4 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(6.53, 6.53, 6.53); Calibrated: 9/30/2004

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn658; Calibrated: 3/30/2005
- Phantom: SAM-A; Type: QD 000 P40 C; Serial: TP-1303
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Ch190/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (interpolated) = 0.182 mW/g

Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 10.7 V/m; Power Drift = -0.045 dB Peak SAR (extrapolated) = 0.301 W/kg SAR(1 g) = 0.173 mW/g; SAR(10 g) = 0.122 mW/g Maximum value of SAR (measured) = 0.182 mW/g





Date/Time: 11/18/2005 11:54:59 PM

Body_GSM850 Ch251_Keypad Down with 1.5cm Gap_20051118

DUT: 592703-01; Type: ASUS J201S Dual-Band GPRS Mobile Phone

Communication System: GSM850; Frequency: 848.8 MHz;Duty Cycle: 1:4

Medium: MSL_850 Medium parameters used : f = 848.8 MHz; σ = 0.959 mho/m; ϵ_r = 54.8; ρ = 1000 kg/m³ Ambient Temperature : 21.0 °C; Liquid Temperature : 20.7 °C

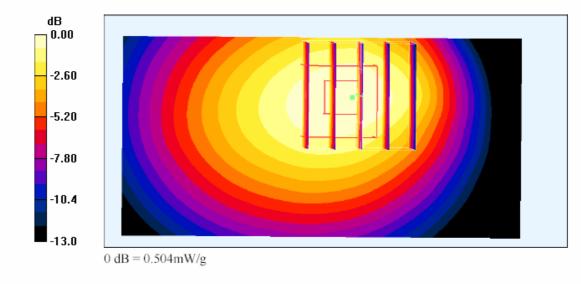
DASY4 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(6.53, 6.53, 6.53); Calibrated: 9/30/2004

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn658; Calibrated: 3/30/2005
- Phantom: SAM-A; Type: QD 000 P40 C; Serial: TP-1303
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Ch251/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (interpolated) = 0.507 mW/g

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 16.5 V/m; Power Drift = 0.099 dB Peak SAR (extrapolated) = 0.683 W/kg SAR(1 g) = 0.475 mW/g; SAR(10 g) = 0.323 mW/g Maximum value of SAR (measured) = 0.504 mW/g





Date/Time: 11/21/2005 2:26:13 AM

Body_PCS Ch661_Keypad Up with 1.5cm Gap_20051121

DUT: 592703-01; Type: ASUS J201S Dual-Band GPRS Mobile Phone

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: MSL_1900 Medium parameters used: f = 1880 MHz; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 52.7$; $\rho = 1000 \text{ kg/m}^3$ Ambient Temperature : 22.4 °C; Liquid Temperature : 22.0 °C

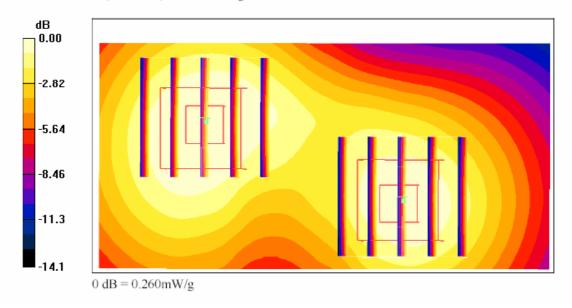
DASY4 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(4.56, 4.56, 4.56); Calibrated: 9/30/2004

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn658; Calibrated: 3/30/2005
- Phantom: SAM-A; Type: QD 000 P40 C; Serial: TP-1303
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Ch661/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (interpolated) = 0.288 mW/g

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 12.2 V/m; Power Drift = -0.01 dB Peak SAR (extrapolated) = 0.370 W/kg SAR(1 g) = 0.265 mW/g; SAR(10 g) = 0.175 mW/g Maximum value of SAR (measured) = 0.283 mW/g





Test Laboratory: Sporton International Inc. SAR Testing Lab

Date/Time: 11/21/2005 2:49:52 AM

Body_PCS Ch512_Keypad Down with 1.5cm Gap_20051121

DUT: 592703-01; Type: ASUS J201S Dual-Band GPRS Mobile Phone

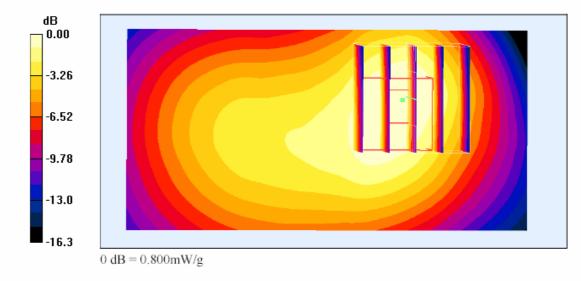
Communication System: PCS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:4 Medium: MSL_1900 Medium parameters used : f = 1850.2 MHz; σ = 1.53 mho/m; ϵ_r = 52.8; ρ = 1000 kg/m³ Ambient Temperature : 21.6 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: ET3DV6 SN1788; ConvF(4.56, 4.56, 4.56); Calibrated: 9/30/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn658; Calibrated: 3/30/2005
- Phantom: SAM-A; Type: QD 000 P40 C; Serial: TP-1303
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Ch512/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (interpolated) = 0.859 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 23.3 V/m; Power Drift = -0.052 dB Peak SAR (extrapolated) = 1.16 W/kg SAR(1 g) = 0.750 mW/g; SAR(10 g) = 0.466 mW/g Maximum value of SAR (measured) = 0.800 mW/g





Test Laboratory: Sporton International Inc. SAR Testing Lab

Date/Time: 11/17/2005 8:47:34 PM

Left Cheek_GSM850 Ch251_20051117_2D

DUT: 592703-01; Type: ASUS J201S Dual-Band GPRS Mobile Phone

Communication System: GSM850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3 Medium: HSL_850 Medium parameters used : f = 848.8 MHz; σ = 0.921 mho/m; ϵ_r = 41.6; ρ = 1000 kg/m³ Ambient Temperature : 21.9 °C; Liquid Temperature : 21.6 °C

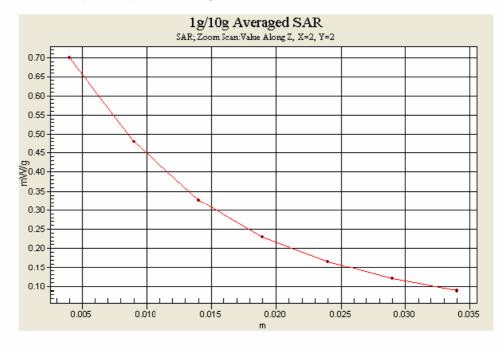
DASY4 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(6.74, 6.74, 6.74); Calibrated: 9/30/2004

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn658; Calibrated: 3/30/2005
- Phantom: SAM-B; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Ch251/Area Scan (41x101x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (interpolated) = 0.710 mW/g

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 9.58 V/m; Power Drift = 0.050 dB Peak SAR (extrapolated) = 0.959 W/kg SAR(1 g) = 0.646 mW/g; SAR(10 g) = 0.412 mW/g Maximum value of SAR (measured) = 0.700 mW/g



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Date/Time: 11/18/2005 10:34:24 AM

Right Cheek_PCS Ch512_20051118_2D

DUT: 592703-01; Type: ASUS J201S Dual-Band GPRS Mobile Phone

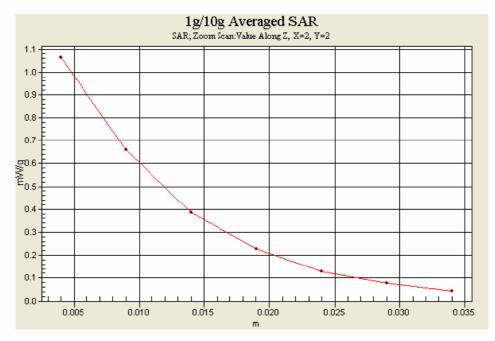
Communication System: PCS; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3 Medium: HSL_1900 Medium parameters used : f = 1850.2 MHz; σ = 1.42 mho/m; ϵ_r = 39.3; ρ = 1000 kg/m³ Ambient Temperature : 21.9 °C; Liquid Temperature : 21.4 °C

DASY4 Configuration:

- Probe: ET3DV6 SN1788; ConvF(5.16, 5.16, 5.16); Calibrated: 9/30/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn658; Calibrated: 3/30/2005
- Phantom: SAM-A; Type: QD 000 P40 C; Serial: TP-1303
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Ch512/Area Scan (41x111x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (interpolated) = 1.13 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 9.06 V/m; Power Drift = -0.025 dB Peak SAR (extrapolated) = 1.60 W/kg SAR(1 g) = 0.978 mW/g; SAR(10 g) = 0.525 mW/g Maximum value of SAR (measured) = 1.06 mW/g





Date/Time: 11/18/2005 11:54:59 PM

Body_GSM850 Ch251_Keypad Down with 1.5cm Gap_20051118_2D

DUT: 592703-01; Type: ASUS J201S Dual-Band GPRS Mobile Phone

Communication System: GSM850; Frequency: 848.8 MHz;Duty Cycle: 1:4 Medium: MSL_850 Medium parameters used: f = 848.8 MHz; $\sigma = 0.959$ mho/m; $\varepsilon_r = 54.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.0 °C; Liquid Temperature : 20.7 °C

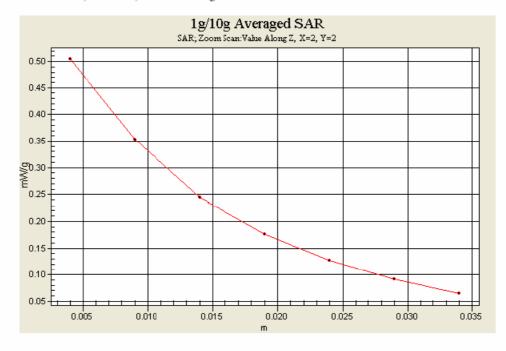
DASY4 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(6.53, 6.53, 6.53); Calibrated: 9/30/2004

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn658; Calibrated: 3/30/2005
- Phantom: SAM-A; Type: QD 000 P40 C; Serial: TP-1303
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Ch251/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (interpolated) = 0.507 mW/g

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 16.5 V/m; Power Drift = 0.099 dB Peak SAR (extrapolated) = 0.683 W/kg SAR(1 g) = 0.475 mW/g; SAR(10 g) = 0.323 mW/g Maximum value of SAR (measured) = 0.504 mW/g





Date/Time: 11/21/2005 2:49:52 AM

Body_PCS Ch512_Keypad Down with 1.5cm Gap_20051121_2D

DUT: 592703-01; Type: ASUS J201S Dual-Band GPRS Mobile Phone

Communication System: PCS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:4 Medium: MSL_1900 Medium parameters used : f = 1850.2 MHz; σ = 1.53 mho/m; ϵ_r = 52.8; ρ = 1000 kg/m³ Ambient Temperature : 21.6 °C; Liquid Temperature : 21.3 °C

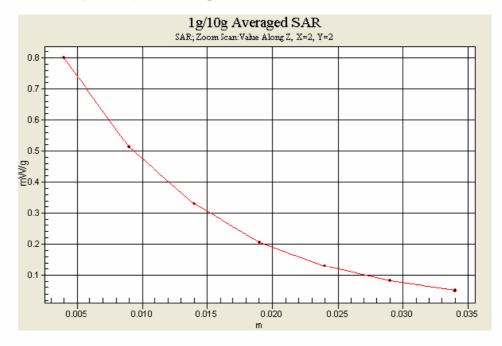
DASY4 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(4.56, 4.56, 4.56); Calibrated: 9/30/2004

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn658; Calibrated: 3/30/2005
- Phantom: SAM-A; Type: QD 000 P40 C; Serial: TP-1303
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Ch512/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (interpolated) = 0.859 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 23.3 V/m; Power Drift = -0.052 dB Peak SAR (extrapolated) = 1.16 W/kg SAR(1 g) = 0.750 mW/g; SAR(10 g) = 0.466 mW/g Maximum value of SAR (measured) = 0.800 mW/g





Appendix C – Calibration Data

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

Dbject(s)	D835V2 - SN	499	
Calibration procedure(s)	QA CAL-05 v Calibration pr	2 ocedure for dipole validation kits	
Calibration date:	February 12,	2004	
Condition of the calibrated item	In Tolerance	according to the specific calibration	document)
17025 international standard. All calibrations have been conduct Calibration Equipment used (M&T		ory facility: environment temperature 22 +/- 2 degrees	Celsius and humidity < 75%.
Nodel Type Power meter EPM E442	ID # GB37480704	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration Nov-04
Power sensor HP 8481A	US37292783	6-Nov-03 (METAS, No. 252-0254) 6-Nov-03 (METAS, No. 252-0254)	Nov-04
ower sensor HP 8481A	MY41092317	18-Oct-02 (Agilent, No. 20021018)	Oct-04
RF generator R&S SML-03	100698	27-Mar-2002 (R&S, No. 20-92389)	In house check: Mar-05
Network Analyzer HP 8753E	US37390585	18-Oct-01 (SPEAG, in house check Nov-03)	In house check: Oct 05
	Name	Function	Signature
Calibrated by:	Judith Mueller	Technician	Chart the
			ponum
Approved by:	Kalja Pokovic	Laboratory Director	Polarie Katy
			Date issued: February 18, 2004
This calibration certificate is issue Calibration Laboratory of Schmid		ution until the accreditation process (based on ISO/IE/	C 17025 International Standard) for

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Schmid & Partner Engineering AG

spe a g

Zeughausstrasse 43, 8004 Zurich, Switzerland Phone +41 1 245 9700, Fax +41 1 245 9779 info@speag.com, http://www.speag.com

DASY

Dipole Validation Kit

Type: D835V2

Serial: 499

Manufactured: July 10, 2003 Calibrated: February 12, 2004

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1. Measurement Conditions

The measurements were performed in the flat section of the SAM twin phantom filled with **head simulating solution** of the following electrical parameters at 835 MHz:

Relative Dielectricity	42.1	± 5%
Conductivity	0.89 mho/m	± 5%

The DASY4 System with a dosimetric E-field probe ET3DV6 (SN:1507, Conversion factor 6.3 at 835 MHz) was used for the measurements.

The dipole was mounted on the small tripod so that the dipole feedpoint was positioned below the center marking of the flat phantom section and the dipole was oriented parallel to the body axis (the long side of the phantom). The standard measuring distance was <u>15mm</u> from dipole center to the solution surface. The included distance spacer was used during measurements for accurate distance positioning.

The coarse grid with a grid spacing of 15 mm was aligned with the dipole. The 7x7x7 fine cube was chosen for cube integration.

The dipole input power (forward power) was 250 mW \pm 3 %. The results are normalized to 1W input power.

2. SAR Measurement with DASY4 System

Standard SAR-measurements were performed according to the measurement conditions described in section 1. The results (see figure supplied) have been normalized to a dipole input power of 1W (forward power). The resulting averaged SAR-values measured with the dosimetric probe ET3DV6 SN:1507 and applying the <u>advanced extrapolation</u> are:

averaged over 1 cm3 (1 g) of tissue: $9.96 \text{ mW/g} \pm 16.8 \% (\text{k}=2)^1$ averaged over 10 cm3 (10 g) of tissue: $6.48 \text{ mW/g} \pm 16.2 \% (\text{k}=2)^1$

¹ validation uncertainty



3. Dipole Impedance and Return Loss

The impedance was measured at the SMA-connector with a network analyzer and numerically transformed to the dipole feedpoint. The transformation parameters from the SMA-connector to the dipole feedpoint are:

Electrical delay:	1.382 ns	(one direction)
Transmission factor:	0.985	(voltage transmission, one direction)

The dipole was positioned at the flat phantom sections according to section 1 and the distance holder was in place during impedance measurements.

Feedpoint impedance at 835 MHz:	$Re{Z} = 51.2 \Omega$
	Im $\{Z\}$ = -1.7 Ω
Return Loss at 835 MHz	-33.9 dB

4. Measurement Conditions

The measurements were performed in the flat section of the SAM twin phantom filled with **body** simulating solution of the following electrical parameters at 835 MHz:

Relative Dielectricity	55.5	$\pm 5\%$
Conductivity	0.99 mho/m	± 5%

The DASY4 System with a dosimetric E-field probe ET3DV6 (SN:1507, Conversion factor 6.13 at 835 MHz) was used for the measurements.

The dipole was mounted on the small tripod so that the dipole feedpoint was positioned below the center marking of the flat phantom section and the dipole was oriented parallel to the body axis (the long side of the phantom). The standard measuring distance was <u>15mm</u> from dipole center to the solution surface. The included distance spacer was used during measurements for accurate distance positioning.

The coarse grid with a grid spacing of 15mm was aligned with the dipole. The 7x7x7 fine cube was chosen for cube integration.

The dipole input power (forward power) was 250 mW \pm 3 %. The results are normalized to 1W input power.



5. SAR Measurement with DASY4 System

Standard SAR-measurements were performed according to the measurement conditions described in section 4. The results (see figure supplied) have been normalized to a dipole input power of 1W (forward power). The resulting averaged SAR-values measured with the dosimetric probe ET3DV6 SN:1507 and applying the <u>advanced extrapolation</u> are:

averaged over 1 cm^3 (1 g) of tissue:	10.3 mW/g \pm 16.8 % (k=2) ²
averaged over 10 cm ³ (10 g) of tissue:	6.76 mW/g \pm 16.2 % (k=2) ²

6. Dipole Impedance and Return Loss

The dipole was positioned at the flat phantom sections according to section 4 and the distance holder was in place during impedance measurements.

Feedpoint impedance at 835 MHz:	$Re\{Z\} = 46.7 \Omega$
	Im $\{Z\} = -4.5 \Omega$
Return Loss at 835 MHz	-24.7 dB

7. Handling

Do not apply excessive force to the dipole arms, because they might bend. Bending of the dipole arms stresses the soldered connections near the feedpoint leading to a damage of the dipole.

8. Design

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.

9. Power Test

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

² validation uncertainty



Page 1 of 1 Date/Time: 02/12/04 12:33:41

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN499

Communication System: CW-835; Frequency: 835 MHz;Duty Cycle: 1:1 Medium: HSL 835 MHz Medium parameters used: f = 835 MHz; σ = 0.89 mho/m; ϵ_r = 42.1; ρ = 1000 kg/m³ Phantom section: Flat Section Measurement Standard: DASY4 (High Precision Assessment)

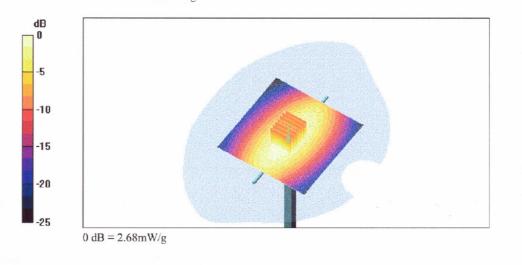
DASY4 Configuration:

- Probe: ET3DV6 SN1507; ConvF(6.3, 6.3, 6.3); Calibrated: 1/23/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn411; Calibrated: 11/6/2003
- Phantom: SAM with CRP TP1006; Type: SAM 4.0; Serial: TP:1006
- Measurement SW: DASY4, V4.2 Build 25; Postprocessing SW: SEMCAD, V1.8 Build 98

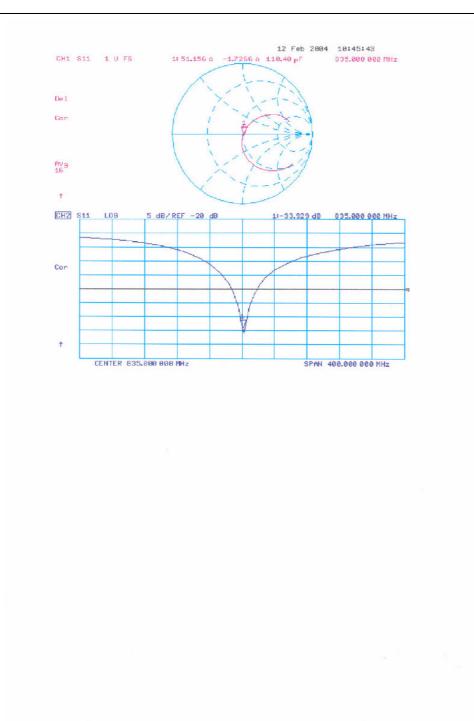
Pin = 250 mW; d = 15 mm/Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm Reference Value = 56.5 V/m Power Drift = -0.0 dB Maximum value of SAR = 2.68 mW/g

Pin = 250 mW; d = 15 mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm Peak SAR (extrapolated) = 3.81 W/kg

SAR(1 g) = 2.49 mW/g; SAR(10 g) = 1.62 mW/g Reference Value = 56.5 V/m Power Drift = -0.0 dBMaximum value of SAR = 2.68 mW/g









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Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN499

Communication System: CW-835; Frequency: 835 MHz;Duty Cycle: 1:1 Medium: Muscle 835 MHz; Medium parameters used: f = 835 MHz; $\sigma = 0.99$ mho/m; $\varepsilon_r = 55.5$; $\rho = 1000$ kg/m³ Phantom section: Flat Section Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 SN1507; ConvF(6.13, 6.13, 6.13); Calibrated: 1/23/2004
- · Sensor-Surface: 4mm (Mechanical Surface Detection)
- · Electronics: DAE3 SN411; Calibrated: 11/6/2003
- Phantom: SAM with CRP TP1006; Type: SAM 4.0; Serial: TP:1006;
- Measurement SW: DASY4, V4.2 Build 25; Postprocessing SW: SEMCAD, V1.8 Build 101

Pin = 250 mW; d = 15 mm/Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm Reference Value = 54.7 V/m; Power Drift = 0.002 dB Maximum value of SAR (interpolated) = 2.79 mW/g

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

Reference Value = 54.7 V/m; Power Drift = 0.002 dBMaximum value of SAR (measured) = 2.79 mW/gPeak SAR (extrapolated) = 3.82 W/kgSAR(1 g) = 2.58 mW/g; SAR(10 g) = 1.69 mW/g

