

LJPNPL-4

IMEI: 004400/20/166371/1

System verification, head tissue simulant

<i>f</i> [MHz]	Description	SAR [W/kg], 1g	Dielectric Parameters		Temp [°C]
			ϵ_r	σ [S/m]	
835	Reference result	2.20	42.8	0.89	N/A
	± 10% window	1.98 - 2.42			
	2004-05-03	2.23	41.3	0.91	21.8
1900	Reference result	10.5	38.8	1.44	N/A
	± 10% window	9.5 - 11.6			
	2004-05-03	10.4	38.4	1.44	21.8

Head tissue simulant measurements

<i>f</i> [MHz]	Description	Dielectric Parameters		Temp [°C]
		ϵ_r	σ [S/m]	
836	Recommended value	41.5	0.90	N/A
	± 5% window	39.4 – 43.6	0.86 – 0.95	
	2004-05-03	41.3	0.91	22
1880	Recommended value	40.0	1.40	N/A
	± 5% window	38.0 – 42.0	1.33 – 1.47	
	2004-05-03	38.5	1.43	22

Body tissue simulant measurements

<i>f</i> [MHz]	Description	Dielectric Parameters		Temp [°C]
		ϵ_r	σ [S/m]	
836	Recommended value	55.2	0.97	N/A
	± 5% window	52.4 – 58.0	0.92 – 1.02	
	2004-05-03	55.2	0.92	22
1880	Recommended value	53.3	1.52	N/A
	± 5% window	50.6 – 56.0	1.44 – 1.60	
	2004-05-03	52.2	1.55	22

850MHz Head SAR results

Mode and Band	Position		SAR, averaged over 1g (W/kg)		
			Ch 128 824.2 MHz	Ch 190 836.6 MHz	Ch 251 848.8 MHz
2-slot E-GPRS850					
	Left	Cheek			0.36
		Tilt			
	Right	Cheek			0.41
		Tilt			

1900MHz Head SAR results

Mode and Band	Position		SAR, averaged over 1g (W/kg)		
			Ch 512 1850.2 MHz	Ch 661 1880.0 MHz	Ch 810 1909.8 MHz
2-slot E-GPRS1900					
	Left	Cheek			
		Tilt			
	Right	Cheek			0.19
		Tilt			

850MHz Body SAR results

Mode and Band	Body-worn location setup	SAR, averaged over 1g (W/kg)		
		Ch 128 824.2 MHz	Ch 190 836.6 MHz	Ch 251 848.8 MHz
2-slot E-GPRS850				
	Headset HS-5			0.21
	Headset HS-8		0.23	

1900MHz Body SAR results

Mode and Band	Body-worn location setup	SAR, averaged over 1g (W/kg)		
		Ch 512 1850.2 MHz	Ch 661 1880.0 MHz	Ch 810 1909.8 MHz
2-slot E-GPRS1900				
	Headset HS-5		0.33	
	Headset HS-8			0.37

Date/Time: 05/03/04 10:01:13

Test Laboratory: TCC Oulu

DUT: Dipole 835 MHz; Type: D835V2; Serial:480

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL900 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.909 \text{ mho/m}$; $\epsilon_r = 41.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1765; ConvF(6.55, 6.55, 6.55); Calibrated: 16.02.2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn555; Calibrated: 06.03.2003
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1272
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

d=15mm, Pin=239mW, t=21.8 C/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 53.9 V/m; Power Drift = -0.1 dB

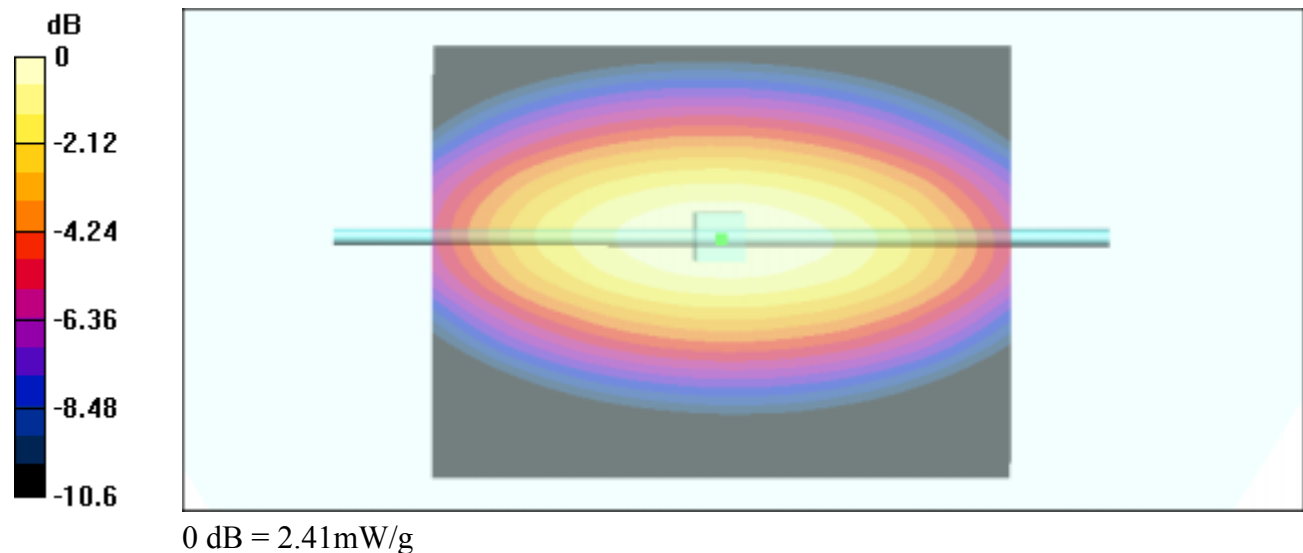
Maximum value of SAR (interpolated) = 2.4 mW/g

d=15mm, Pin=239mW, t=21.8 C/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.9 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 2.41 mW/g

Peak SAR (extrapolated) = 3.35 W/kg

SAR(1 g) = 2.23 mW/g; SAR(10 g) = 1.44 mW/g

Date/Time: 05/03/04 14:23:40

Test Laboratory: TCC Oulu

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d030

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used (interpolated): $f = 1900$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 38.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1765; ConvF(5.24, 5.24, 5.24); Calibrated: 16.02.2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn555; Calibrated: 06.03.2003
- Phantom: SAM 3; Type: SAM 4.0; Serial: 1215
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

d=10mm, Pin=250mW, t=21.8 C/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 94.9 V/m; Power Drift = -0.0 dB

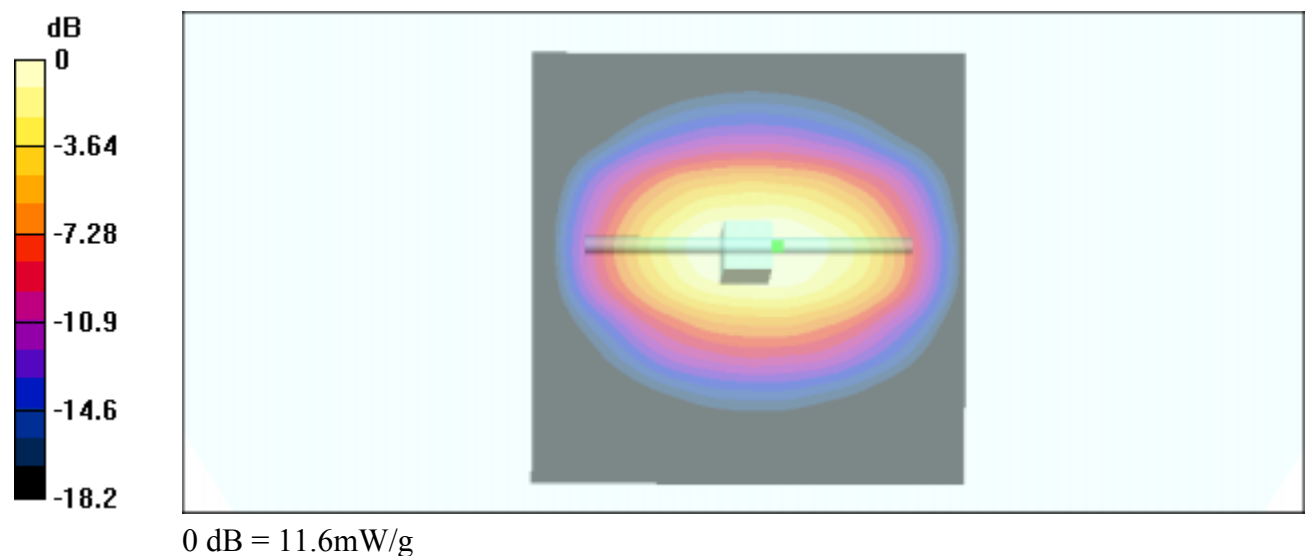
Maximum value of SAR (interpolated) = 12.7 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)**d=10mm, Pin=250mW, t=21.8 C/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 94.9 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 11.6 mW/g

Peak SAR (extrapolated) = 18.2 W/kg

SAR(1 g) = 10.4 mW/g; SAR(10 g) = 5.42 mW/g[Info: Interpolated medium parameters used for SAR evaluation!](#)

Date/Time: 05/03/04 11:34:37

Test Laboratory: TCC Oulu

DUT: NPL-4; Serial: 004400/20/166371/1

Communication System: E-GPRS 850; Frequency: 848.8 MHz; Duty Cycle: 1:4.2

Medium: HSL900 Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.922$ mho/m; $\epsilon_r =$ 41.1; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1765; ConvF(6.55, 6.55, 6.55); Calibrated: 16.02.2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn555; Calibrated: 06.03.2003
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1272
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Touch position - High, t=21.8 C, worst case extrapolation/Area Scan (51x91x1):

Measurement grid: dx=15mm, dy=15mm

Reference Value = 16.1 V/m; Power Drift = -0.2 dB

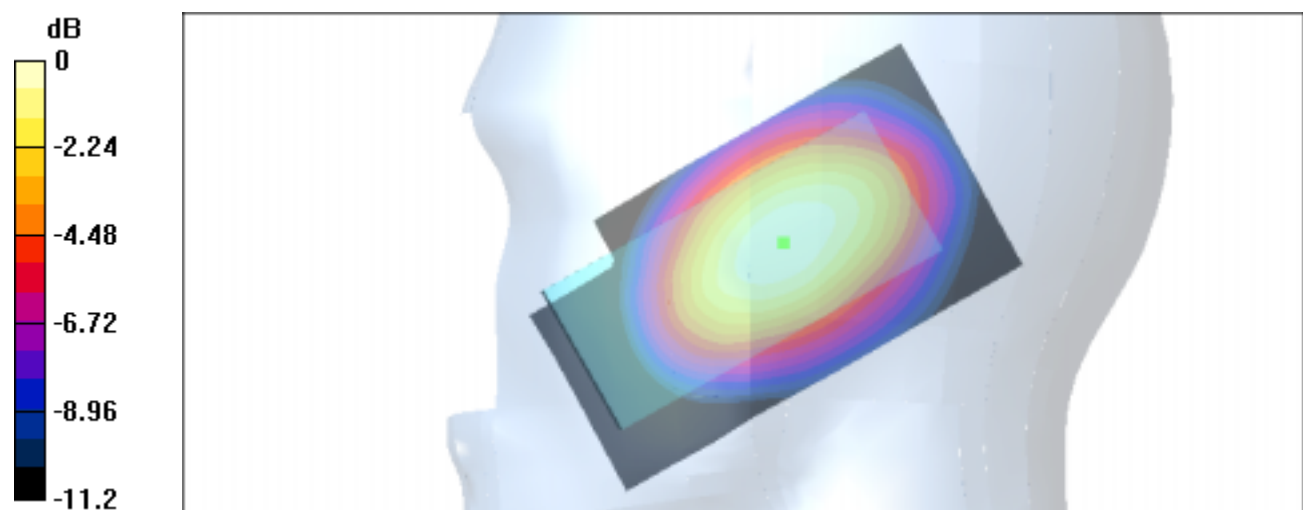
Maximum value of SAR (interpolated) = 0.399 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)**Touch position - High, t=21.8 C, worst case extrapolation/Zoom Scan (5x5x7)****(5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 16.1 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.386 mW/g

Peak SAR (extrapolated) = 0.561 W/kg

SAR(1 g) = 0.363 mW/g; SAR(10 g) = 0.239 mW/g[Info: Interpolated medium parameters used for SAR evaluation!](#)

0 dB = 0.386mW/g

Date/Time: 05/03/04 11:35:00

Test Laboratory: TCC Oulu

DUT: NPL-4; Serial: 004400/20/166371/1

Communication System: E-GPRS 850; Frequency: 848.8 MHz; Duty Cycle: 1:4.2

Medium: HSL900 Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.922$ mho/m; $\epsilon_r =$ 41.1; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1765; ConvF(6.55, 6.55, 6.55); Calibrated: 16.02.2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn555; Calibrated: 06.03.2003
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1272
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Touch position - High, t=21.8 C, worst case extrapolation/Area Scan (51x91x1):

Measurement grid: dx=15mm, dy=15mm

Reference Value = 17.1 V/m; Power Drift = -0.3 dB

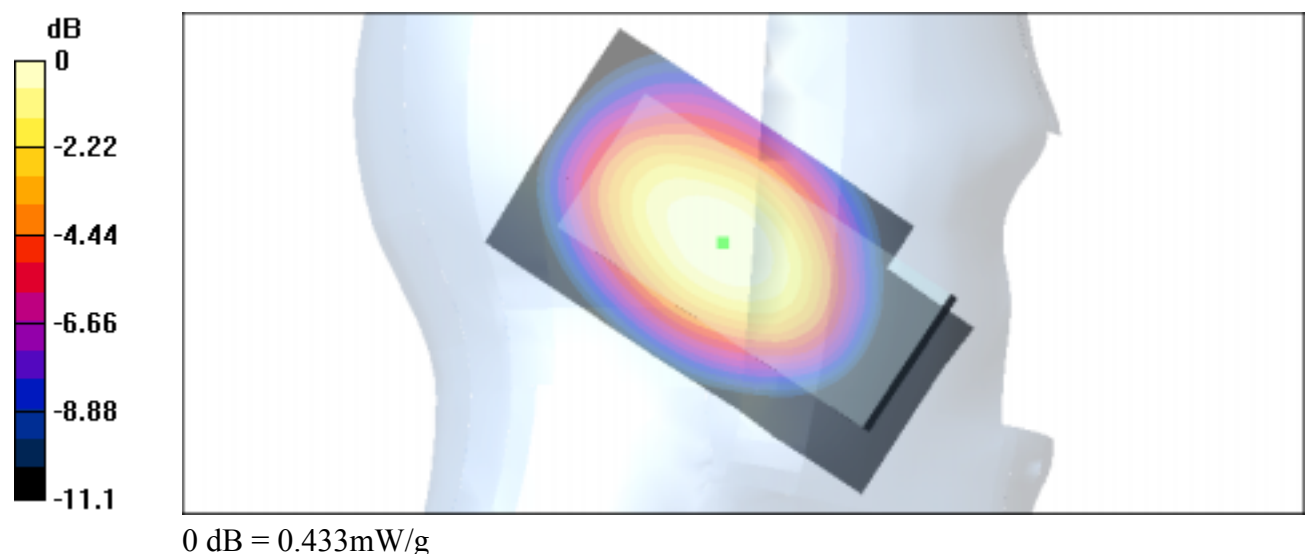
Maximum value of SAR (interpolated) = 0.461 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)**Touch position - High, t=21.8 C, worst case extrapolation/Zoom Scan (5x5x7)****(5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 17.1 V/m; Power Drift = -0.3 dB

Maximum value of SAR (measured) = 0.433 mW/g

Peak SAR (extrapolated) = 0.625 W/kg

SAR(1 g) = 0.409 mW/g; SAR(10 g) = 0.273 mW/g[Info: Interpolated medium parameters used for SAR evaluation!](#)

Date/Time: 05/03/04 12:31:52

Test Laboratory: TCC Oulu

DUT: NPL-4; Serial: 004400/20/166371/1; Headset: HS-5

Communication System: E-GPRS 850; Frequency: 848.8 MHz; Duty Cycle: 1:4.2

Medium: BSL900 Medium parameters used (interpolated): $f = 848.8 \text{ MHz}$; $\sigma = 0.938 \text{ mho/m}$; $\epsilon_r =$ 55.1 ; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1765; ConvF(6.23, 6.23, 6.23); Calibrated: 16.02.2004

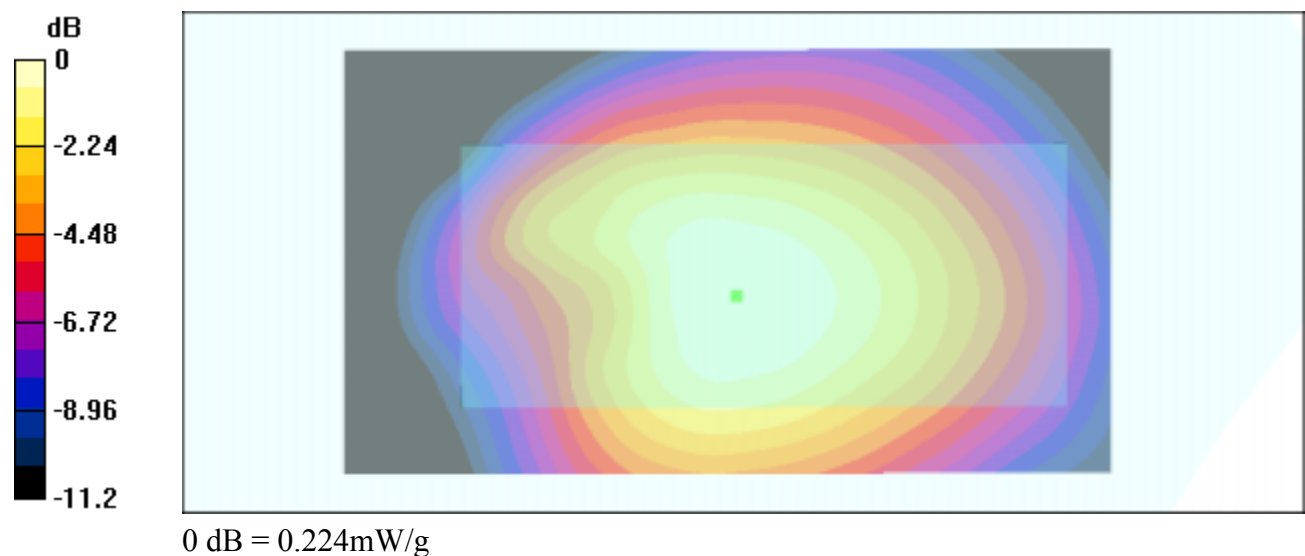
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn555; Calibrated: 06.03.2003

- Phantom: SAM 1; Type: SAM 4.0; Serial: 1275

- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Body worn - High, $t=21.9 \text{ C}$, worst case extrapolation/Area Scan (51x91x1):Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Reference Value = 8.86 V/m ; Power Drift = -0.2 dB Maximum value of SAR (interpolated) = 0.225 mW/g [Info: Interpolated medium parameters used for SAR evaluation!](#)**Body worn - High, $t=21.9 \text{ C}$, worst case extrapolation/Zoom Scan (5x5x7)****(5x5x7)/Cube 0:** Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$ Reference Value = 8.86 V/m ; Power Drift = -0.2 dB Maximum value of SAR (measured) = 0.224 mW/g Peak SAR (extrapolated) = 0.334 W/kg **SAR(1 g) = 0.213 mW/g ; SAR(10 g) = 0.145 mW/g** [Info: Interpolated medium parameters used for SAR evaluation!](#)

Date/Time: 05/03/04 12:11:35

Test Laboratory: TCC Oulu

DUT: NPL-4; Serial: 004400/20/166371/1; Headset: HS-8

Communication System: E-GPRS 850; Frequency: 836.6 MHz; Duty Cycle: 1:4.2

Medium: BSL900 Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.926$ mho/m; $\epsilon_r =$ 55.2 ; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1765; ConvF(6.23, 6.23, 6.23); Calibrated: 16.02.2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn555; Calibrated: 06.03.2003
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1275
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Body worn - Middle, $t=21.8$ C, worst case extrapolation/Area Scan (51x91x1):Measurement grid: $dx=15$ mm, $dy=15$ mm

Reference Value = 9.15 V/m; Power Drift = -0.2 dB

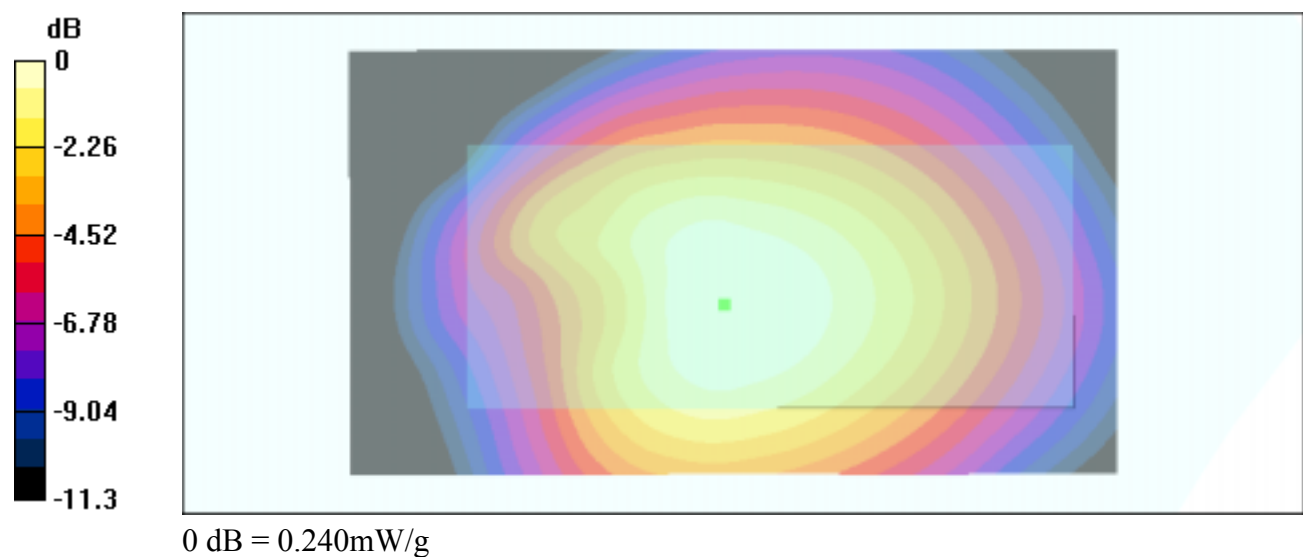
Maximum value of SAR (interpolated) = 0.246 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)**Body worn - Middle, $t=21.8$ C, worst case extrapolation/Zoom Scan (5x5x7)****(5x5x7)/Cube 0:** Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 9.15 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.240 mW/g

Peak SAR (extrapolated) = 0.354 W/kg

SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.156 mW/g[Info: Interpolated medium parameters used for SAR evaluation!](#)

Date/Time: 05/03/04 15:10:21

Test Laboratory: TCC Oulu

DUT: NPL-4; Serial: 004400/20/166371/1

Communication System: E-GPRS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.2

Medium: HSL1900 Medium parameters used (interpolated): $f = 1909.8 \text{ MHz}$; $\sigma = 1.45 \text{ mho/m}$; $\epsilon_r = 38.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

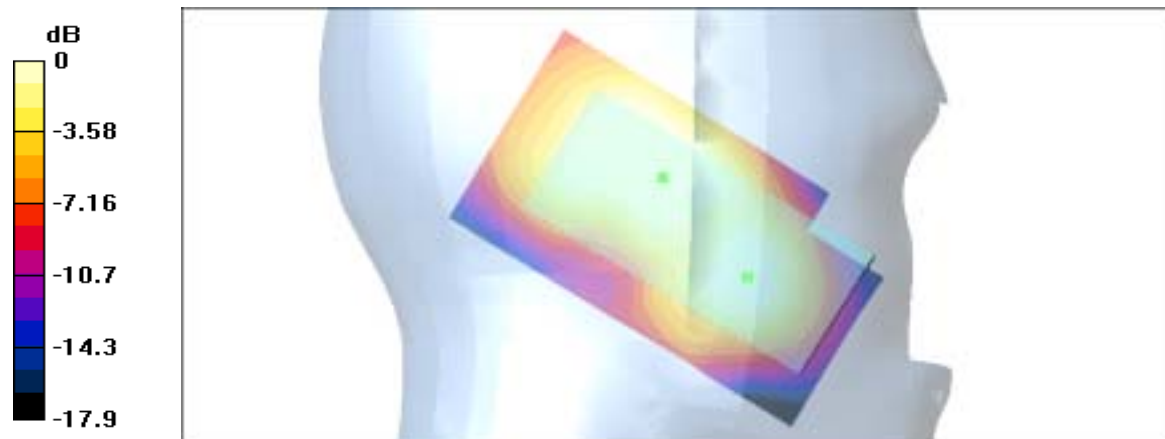
DASY4 Configuration:

- Probe: ET3DV6 - SN1765; ConvF(5.24, 5.24, 5.24); Calibrated: 16.02.2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn555; Calibrated: 06.03.2003
- Phantom: SAM 3; Type: SAM 4.0; Serial: 1215
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Touch position - High, $t=21.8 \text{ C}$, worst case extrapolation/Area Scan (51x91x1):Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Reference Value = 8.94 V/m ; Power Drift = -0.2 dB Maximum value of SAR (interpolated) = 0.194 mW/g [Info: Interpolated medium parameters used for SAR evaluation!](#)**Touch position - High, $t=21.8 \text{ C}$, worst case extrapolation/Zoom Scan (5x5x7)****(5x5x7)/Cube 0(upper):** Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$ Reference Value = 8.94 V/m ; Power Drift = -0.2 dB Maximum value of SAR (measured) = 0.200 mW/g Peak SAR (extrapolated) = 0.423 W/kg **SAR(1 g) = 0.191 mW/g ; SAR(10 g) = 0.102 mW/g** [Info: Interpolated medium parameters used for SAR evaluation!](#)

Warning: Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR. Please consider a refinement of the Area Scan measurement.

Touch position - High, $t=21.8 \text{ C}$, worst case extrapolation/Zoom Scan (5x5x7)**(5x5x7)/Cube 1(lower):** Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$ Reference Value = 8.94 V/m ; Power Drift = -0.2 dB Maximum value of SAR (measured) = 0.112 mW/g Peak SAR (extrapolated) = 0.182 W/kg **SAR(1 g) = 0.105 mW/g ; SAR(10 g) = 0.062 mW/g** [Info: Interpolated medium parameters used for SAR evaluation!](#)



Date/Time: 05/03/04 15:46:24

Test Laboratory: TCC Oulu

DUT: NPL-4; Serial: 004400/20/166371/1; Headset: HS-5

Communication System: E-GPRS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.2

Medium: BSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1765; ConvF(4.65, 4.65, 4.65); Calibrated: 16.02.2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn555; Calibrated: 06.03.2003
- Phantom: SAM 3; Type: SAM 4.0; Serial: 1215
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Body worn - Middle, t=22.1 C, worst case extrapolation/Area Scan (51x91x1):

Measurement grid: dx=15mm, dy=15mm

Reference Value = 9.11 V/m; Power Drift = -0.1 dB

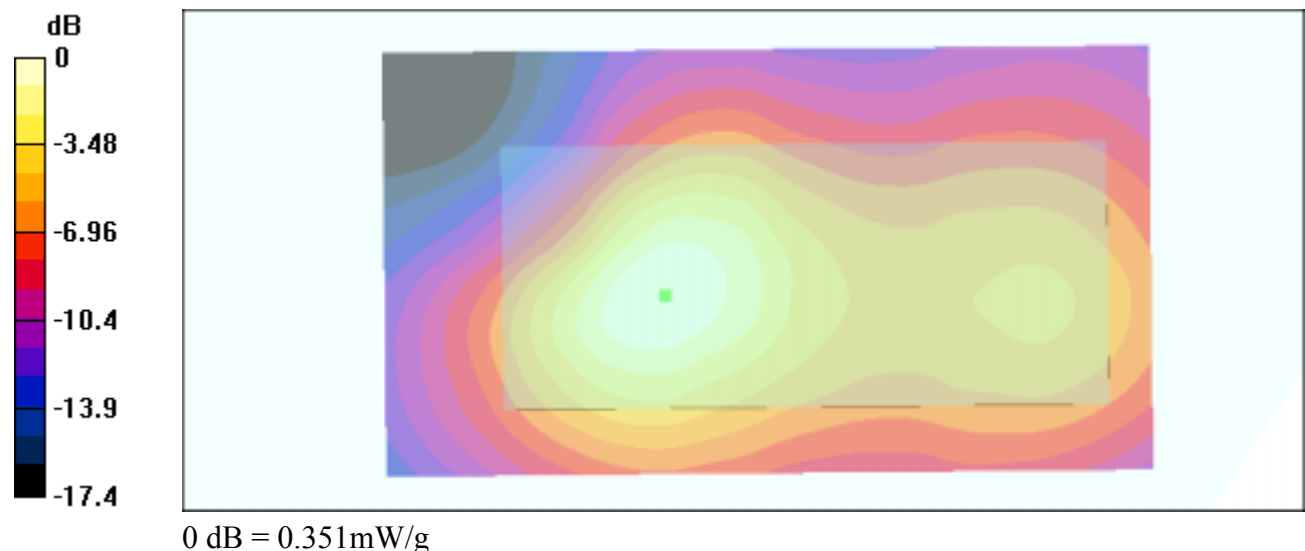
Maximum value of SAR (interpolated) = 0.363 mW/g

Body worn - Middle, t=22.1 C, worst case extrapolation/Zoom Scan (5x5x7)**(5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.11 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.351 mW/g

Peak SAR (extrapolated) = 0.653 W/kg

SAR(1 g) = 0.325 mW/g; SAR(10 g) = 0.180 mW/g

Date/Time: 05/03/04 16:21:44

Test Laboratory: TCC Oulu

DUT: NPL-4; Serial: 004400/20/166371/1; Headset: HS-8

Communication System: E-GPRS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.2

Medium: BSL1900 Medium parameters used (interpolated): $f = 1909.8$ MHz; $\sigma = 1.58$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1765; ConvF(4.59, 4.59, 4.59); Calibrated: 16.02.2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn555; Calibrated: 06.03.2003
- Phantom: SAM 3; Type: SAM 4.0; Serial: 1215
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Body worn - High, $t=???$ C, worst case extrapolation/Area Scan (51x91x1):Measurement grid: $dx=15$ mm, $dy=15$ mm

Reference Value = 9.12 V/m; Power Drift = 0.007 dB

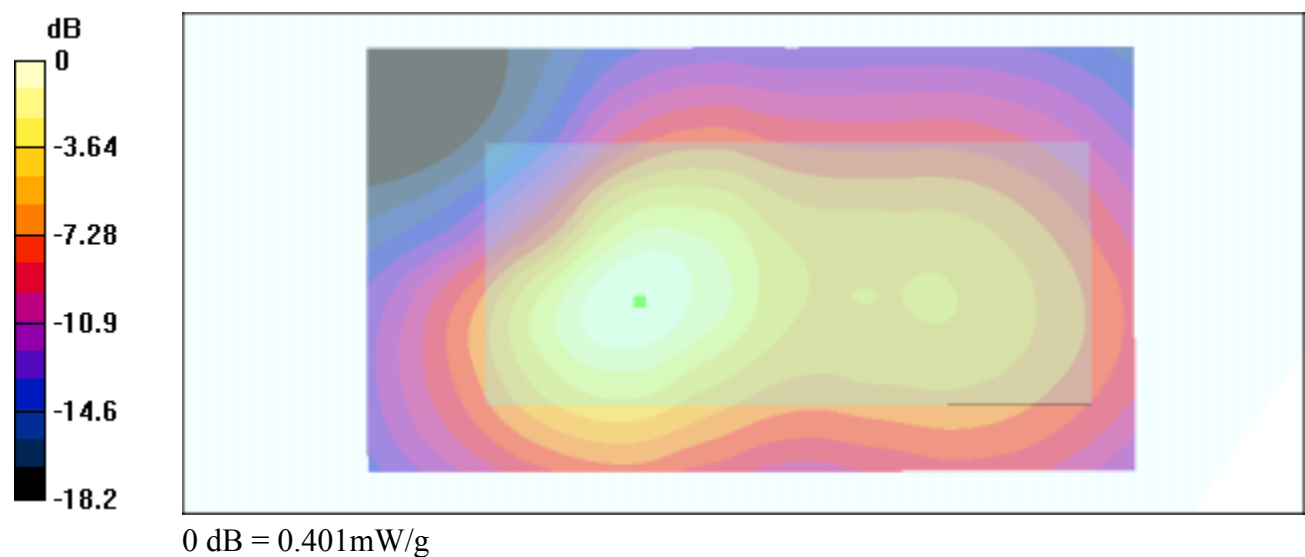
Maximum value of SAR (interpolated) = 0.408 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)**Body worn - High, $t=???$ C, worst case extrapolation/Zoom Scan (5x5x7)****(5x5x7)/Cube 0:** Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 9.12 V/m; Power Drift = 0.007 dB

Maximum value of SAR (measured) = 0.401 mW/g

Peak SAR (extrapolated) = 0.764 W/kg

SAR(1 g) = 0.370 mW/g; SAR(10 g) = 0.199 mW/g[Info: Interpolated medium parameters used for SAR evaluation!](#)

Client **Nokia Oulu**

CALIBRATION CERTIFICATE

Object(s) **ET3DV6 - SN:1765**

Calibration procedure(s) **QA CAL-01.v2**
Calibration procedure for dosimetric E-field probes

Calibration date: **February 16, 2004**

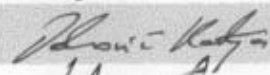
Condition of the calibrated item **In Tolerance (according to the specific calibration document)**

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 +/- 2 degrees Celsius and humidity < 75%.

Calibration Equipment used (M&TE critical for calibration)

Model Type	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power meter EPM E4419B	GB41293874	2-Apr-03 (METAS, No 252-0250)	Apr-04
Power sensor E4412A	MY41495277	2-Apr-03 (METAS, No 252-0250)	Apr-04
Reference 20 dB Attenuator	SN: 5086 (20b)	3-Apr-03 (METAS, No. 251-0340)	Apr-04
Fluke Process Calibrator Type 702	SN: 6295803	8-Sep-03 (Sintrel SCS No. E-030020)	Sep-04
Power sensor HP 8481A	MY41092180	18-Sep-02 (SPEAG, in house check Oct-03)	In house check: Oct 05
RF generator HP 8684C	US3642U01700	4-Aug-99 (SPEAG, in house check Aug-02)	In house check: Aug-05
Network Analyzer HP 8753E	US37390585	18-Oct-01 (SPEAG, in house check Oct-03)	In house check: Oct 05

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

Date issued: February 16, 2004

This calibration certificate is issued as an intermediate solution until the accreditation process (based on ISO/IEC 17025 International Standard) for Calibration Laboratory of Schmid & Partner Engineering AG is completed.

DASY - Parameters of Probe: ET3DV6 SN:1765

Sensitivity in Free Space

NormX	1.64 $\mu\text{V}/(\text{V}/\text{m})^2$
NormY	1.85 $\mu\text{V}/(\text{V}/\text{m})^2$
NormZ	1.92 $\mu\text{V}/(\text{V}/\text{m})^2$

Diode Compression^A

DCP X	94	mV
DCP Y	94	mV
DCP Z	94	mV

Sensitivity in Tissue Simulating Liquid (Conversion Factors)

Please see Page 7.

Boundary Effect

Head 900 MHz Typical SAR gradient: 5 % per mm

Sensor Cener to Phantom Surface Distance		3.7 mm	4.7 mm
SAR _{be} [%]	Without Correction Algorithm	10.6	5.8
SAR _{be} [%]	With Correction Algorithm	0.3	0.6

Head 1800 MHz Typical SAR gradient: 10 % per mm

Sensor to Surface Distance		3.7 mm	4.7 mm
SAR _{be} [%]	Without Correction Algorithm	13.4	8.8
SAR _{be} [%]	With Correction Algorithm	0.2	0.1

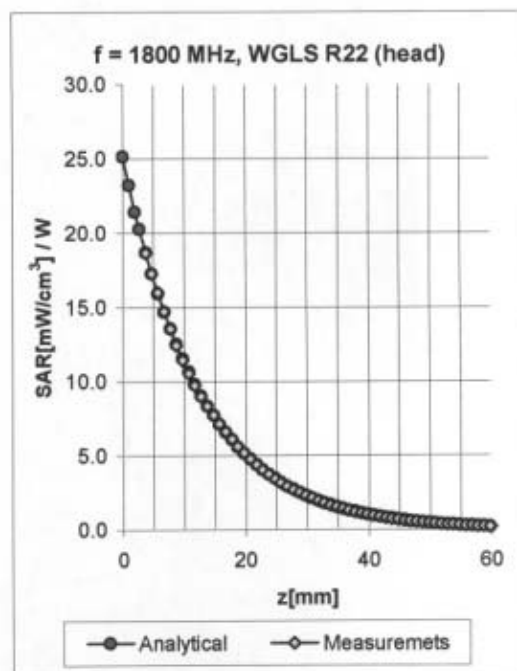
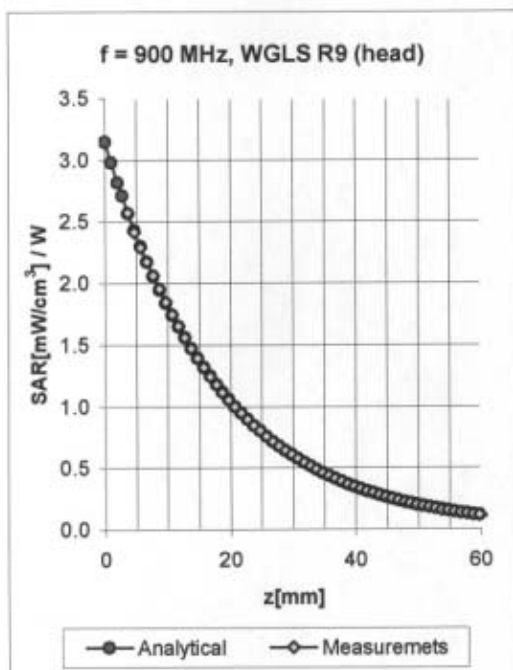
Sensor Offset

Probe Tip to Sensor Center	2.7 mm
Optical Surface Detection	in tolerance

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor $k=2$, which for a normal distribution corresponds to a coverage probability of approximately 95%.

^A numerical linearization parameter; uncertainty not required

Conversion Factor Assessment



f [MHz]	Validity [MHz] ^B	Tissue	Permittivity	Conductivity	Alpha	Depth	ConvF Uncertainty
835	793-877	Head	41.5 ± 5%	0.90 ± 5%	0.68	1.81	6.55 ± 9.5% (k=2)
900	855-945	Head	41.5 ± 5%	0.97 ± 5%	0.44	2.37	6.45 ± 9.6% (k=2)
1800	1710-1890	Head	40.0 ± 5%	1.40 ± 5%	0.55	2.42	5.27 ± 10.9% (k=2)
1880	1786-1974	Head	40.0 ± 5%	1.40 ± 5%	0.56	2.58	5.24 ± 11.0% (k=2)
2450	2400-2500	Head	39.2 ± 5%	1.80 ± 5%	1.07	1.81	4.80 ± 9.7% (k=2)
835	793-877	Body	55.2 ± 5%	0.97 ± 5%	0.43	2.38	6.23 ± 9.5% (k=2)
900	855-945	Body	55.0 ± 5%	1.05 ± 5%	0.47	2.29	6.02 ± 9.6% (k=2)
1800	1710-1890	Body	53.3 ± 5%	1.52 ± 5%	0.63	2.56	4.65 ± 10.9% (k=2)
1880	1786-1974	Body	53.3 ± 5%	1.52 ± 5%	0.64	2.64	4.59 ± 11.0% (k=2)
2450	2400-2500	Body	52.7 ± 5%	1.95 ± 5%	1.65	1.35	4.18 ± 9.7% (k=2)

^B The total standard uncertainty is calculated as root-sum-square of standard uncertainty of the Conversion Factor at calibration frequency and the standard uncertainty for the indicated frequency band.