

Appendix 2. Measurement Methods

A.2.1. Evaluation Procedure

The Specific Absorption Rate (SAR) evaluation was performed in the following manner:

- a) (i) The evaluation was performed in an applicable area of the phantom depending on the type of device being tested. For devices worn about the ear during normal operation, both the left and right ear positions were evaluated at the centre frequency of the band at maximum power. The side, which produced the greatest SAR, determined which side of the phantom would be used for the entire evaluation. The positioning of the head worn device relative to the phantom was dictated by the test specification identified in section 3.1 of this report.

(ii) For body worn devices or devices which can be operated within 20 cm of the body, the flat section of the SAM phantom was used where the size of the device(s) is normal. For bigger devices and base station the 2mm Oval phantom is used for evaluation. The type of device being evaluated dictated the distance of the EUT to the outer surface of the phantom flat section.
- b) The SAR was determined by a pre-defined procedure within the DASY4 software. The exposed region of the phantom was scanned near the inner surface with a grid spacing of 20mm x 20mm or appropriate resolution.
- c) A 5x5x7 matrix was performed around the greatest spatial SAR distribution found during the area scan of the applicable exposed region. SAR values were then calculated using a 3-D spline interpolation algorithm and averaged over spatial volumes of 1 and 10 grams.
- d) If the EUT had any appreciable drift over the course of the evaluation, then the EUT was re-evaluated. Any unusual anomalies over the course of the test also warranted a re-evaluation.

A.2.2. Specific Absorption Rate (SAR) Measurements to OET Bulletin 65 Supplement C: (2001-01)

Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields

SAR measurements were performed in accordance with Appendix D of the standard FCC OET Bulletin 65 Supplement C: 2001, IEEE 1528 and FCC KDB procedures, against appropriate limits for each measurement position in accordance with the standard. In some cases the FCC was contacted using a PBA or KDB process to ensure test is performed correctly.

The test was performed in a shielded enclosure with the temperature controlled to remain between +18.0°C and +25.0°C. The tissue equivalent material fluid temperature was controlled to give a maximum variation of $\pm 2.0^\circ\text{C}$

Prior to any SAR measurements on the EUT, system validation and material dielectric property measurements were conducted. In the absence of a detailed procedure within the specification, system validation and material dielectric property measurements were performed in accordance with Appendix C and Appendix D of FCC OET Bulletin 65 Supplement C: 2001 and FCC KDB publication 450824.

Following the successful system validation and material dielectric property measurements, a SAR versus time sweep shall be performed within 10 mm of the phantom inner surface. If the EUT power output is stable after three minutes then the measurement probe will perform a coarse surface level scan at each test position in order to ascertain the location of the maximum local SAR level. Once this area had been established, a 5x5x7 cube of 175 points (5 mm spacing in each axis $\approx 27\text{g}$) will be centred at the area of concern. Extrapolation and interpolation will then be carried out on the 27g of tissue and the highest averaged SAR over a 10g cube determined.

Once the maximum interpolated SAR measurement is complete; the coarse scan is visually assessed to check for secondary peaks within 50% of the maximum SAR level. If there are any further SAR measurements required, extra 5x5x7 cubes shall be centred on each of these extra local SAR maxima.

At the end of each position test case a second time sweep shall be performed to check whether the EUT has remained stable throughout the test.

Appendix 3. SAR Distribution Scans

This appendix contains SAR distribution scans which are included in the total number of pages for this report.

Scan Reference Number	Title
SCN/85119JD02/001	Touch Left GSM CH190
SCN/85119JD02/002	Touch Left GSM CH128
SCN/85119JD02/003	Touch Left GSM CH251
SCN/85119JD02/004	Tilt Left GSM CH190
SCN/85119JD02/005	Touch Right GSM CH190
SCN/85119JD02/006	Touch Right GSM CH128
SCN/85119JD02/007	Touch Right GSM CH251
SCN/85119JD02/008	Tilt Right GSM CH190
SCN/85119JD02/009	Front of EUT Facing Phantom GPRS CH190
SCN/85119JD02/010	Front of EUT Facing Phantom GPRS CH128
SCN/85119JD02/011	Front of EUT Facing Phantom GPRS CH251
SCN/85119JD02/012	Rear of EUT Facing Phantom GPRS CH190
SCN/85119JD02/013	Rear of EUT Facing Phantom GPRS CH128
SCN/85119JD02/014	Rear of EUT Facing Phantom GPRS CH251
SCN/85119JD02/015	Left Hand Side of EUT Facing Phantom GPRS CH190
SCN/85119JD02/016	Left Hand Side of EUT Facing Phantom GPRS CH128
SCN/85119JD02/017	Left Hand Side of EUT Facing Phantom GPRS CH251
SCN/85119JD02/018	Right Hand Side of EUT Facing Phantom GPRS CH190
SCN/85119JD02/019	Right Hand Side of EUT Facing Phantom GPRS CH128
SCN/85119JD02/020	Right Hand Side of EUT Facing Phantom GPRS CH251
SCN/85119JD02/021	Base of EUT Facing Phantom GPRS CH190
SCN/85119JD02/022	Front of EUT Facing Phantom EDGE CH190
SCN/85119JD02/023	Front of EUT Facing Phantom EDGE CH128
SCN/85119JD02/024	Front of EUT Facing Phantom EDGE CH251
SCN/85119JD02/025	Front of EUT Facing Phantom GSM CH190
SCN/85119JD02/026	Front of EUT Facing Phantom With PHF EDGE CH190
SCN/85119JD02/027	Front of EUT Facing Phantom With PHF EDGE CH128
SCN/85119JD02/028	Front of EUT Facing Phantom With PHF EDGE CH251
SCN/85119JD02/029	Touch Left PCS CH661
SCN/85119JD02/030	Tilt Left PCS CH661
SCN/85119JD02/031	Touch Right PCS CH661
SCN/85119JD02/032	Tilt Right PCS CH661
SCN/85119JD02/033	Touch Left PCS CH512
SCN/85119JD02/034	Touch Left PCS CH810
SCN/85119JD02/035	Front of EUT Facing Phantom GPRS CH661

SAR Distribution Scans (Continued)	
Scan Reference Number	Title
SCN/85119JD02/036	Front of EUT Facing Phantom GPRS CH512
SCN/85119JD02/037	Front of EUT Facing Phantom GPRS CH810
SCN/85119JD02/038	Rear of EUT Facing Phantom GPRS CH661
SCN/85119JD02/039	Rear of EUT Facing Phantom GPRS CH512
SCN/85119JD02/040	Rear of EUT Facing Phantom GPRS CH810
SCN/85119JD02/041	Left Hand Side of EUT Facing Phantom GPRS CH661
SCN/85119JD02/042	Right Hand Side of EUT Facing Phantom GPRS CH661
SCN/85119JD02/043	Bottom of EUT Facing Phantom GPRS CH661
SCN/85119JD02/044	Rear of EUT Facing Phantom EDGE CH661
SCN/85119JD02/045	Rear of EUT Facing Phantom EDGE CH512
SCN/85119JD02/046	Rear of EUT Facing Phantom EDGE CH810
SCN/85119JD02/047	Rear of EUT Facing Phantom PCS CH661
SCN/85119JD02/048	Rear of EUT Facing Phantom With PHF GPRS CH661
SCN/85119JD02/049	Rear of EUT Facing Phantom With PHF GPRS CH512
SCN/85119JD02/050	Rear of EUT Facing Phantom With PHF GPRS CH810
SCN/85119JD02/051	Touch Left UMTS FDD V CH4183
SCN/85119JD02/052	Tilt Left UMTS FDD V CH4183
SCN/85119JD02/053	Touch Right UMTS FDD V CH4183
SCN/85119JD02/054	Touch Right UMTS FDD V CH4132
SCN/85119JD02/055	Touch Right UMTS FDD V CH4233
SCN/85119JD02/056	Tilt Right UMTS FDD V CH4183
SCN/85119JD02/057	Front of EUT Facing Phantom UMTS FDD V CH4183
SCN/85119JD02/058	Front of EUT Facing Phantom UMTS FDD V CH4132
SCN/85119JD02/059	Front of EUT Facing Phantom UMTS FDD V CH4233
SCN/85119JD02/060	Rear of EUT Facing Phantom UMTS FDD V CH4183
SCN/85119JD02/061	Rear of EUT Facing Phantom UMTS FDD V CH4132
SCN/85119JD02/062	Rear of EUT Facing Phantom UMTS FDD V CH4233
SCN/85119JD02/063	Left Hand Side of EUT Facing Phantom UMTS FDD V CH4183
SCN/85119JD02/064	Right Hand Side of EUT Facing Phantom UMTS FDD V CH4183
SCN/85119JD02/065	Base of EUT Facing Phantom UMTS FDD V CH4183
SCN/85119JD02/066	Front of EUT Facing Phantom UMTS FDD V + HSDPA CH4183
SCN/85119JD02/067	Front of EUT Facing Phantom UMTS FDD V + HSDPA CH4132
SCN/85119JD02/068	Front of EUT Facing Phantom UMTS FDD V + HSDPA CH4233
SCN/85119JD02/069	Front of EUT Facing Phantom UMTS FDD V + HSPA CH4183
SCN/85119JD02/070	Front of EUT Facing Phantom at 15mm UMTS FDD V CH4183
SCN/85119JD02/071	Front of EUT Facing Phantom at 15mm UMTS FDD V CH4132
SCN/85119JD02/072	Front of EUT Facing Phantom at 15mm UMTS FDD V CH4233
SCN/85119JD02/073	Front of EUT Facing Phantom With PHF UMTS FDD V CH4132

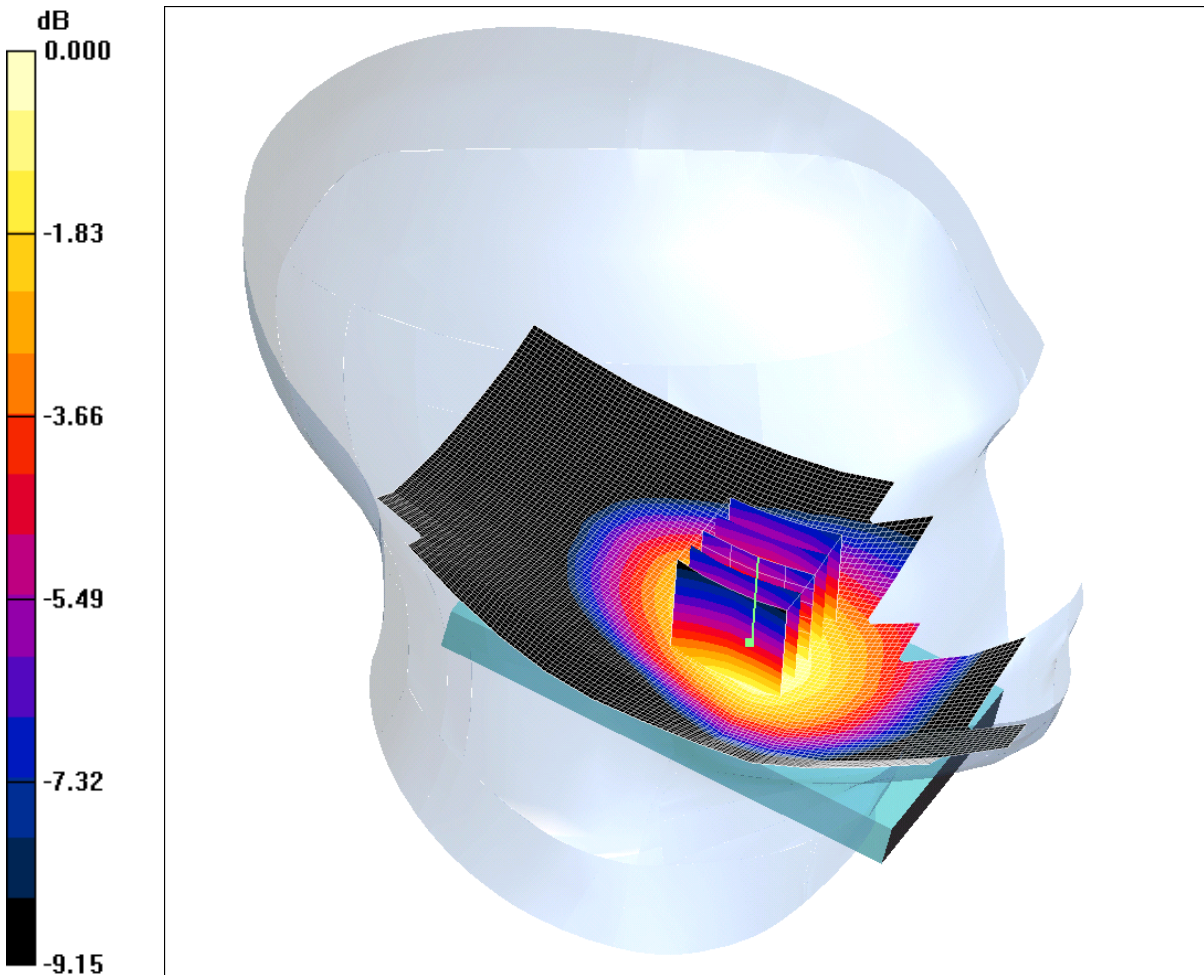
SAR Distribution Scans (Continued)

Scan Reference Number	Title
SCN/85119JD02/074	Front of EUT Facing Phantom With PHF UMTS FDD V CH4183
SCN/85119JD02/075	Front of EUT Facing Phantom With PHF UMTS FDD V CH4233
SCN/85119JD02/076	System Performance Check 900MHz Head 09 12 11
SCN/85119JD02/077	System Performance Check 900MHz Head 10 12 11
SCN/85119JD02/078	System Performance Check 900MHz Body 08 12 11
SCN/85119JD02/079	System Performance Check 900MHz Body 09 12 11
SCN/85119JD02/080	System Performance Check 900MHz Body 12 12 11
SCN/85119JD02/081	System Performance Check 900MHz Body 13 12 11
SCN/85119JD02/082	System Performance Check 1900MHz Head 01 12 11
SCN/85119JD02/083	System Performance Check 1900MHz Head 02 12 11
SCN/85119JD02/084	System Performance Check 1900MHz Body 02 12 11
SCN/85119JD02/085	System Performance Check 1900MHz Body 05 12 11

SCN/85119JD02/001: Touch Left GSM CH190

Date: 09/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 0.992mW/g

Communication System: GSM 850 MHz; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz HSL Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.904$ mho/m; $\epsilon_r = 43.3$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.85, 5.85, 5.85); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Left - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.931 mW/g

Touch Left - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.0 V/m; Power Drift = -0.020 dB

Peak SAR (extrapolated) = 1.15 W/kg

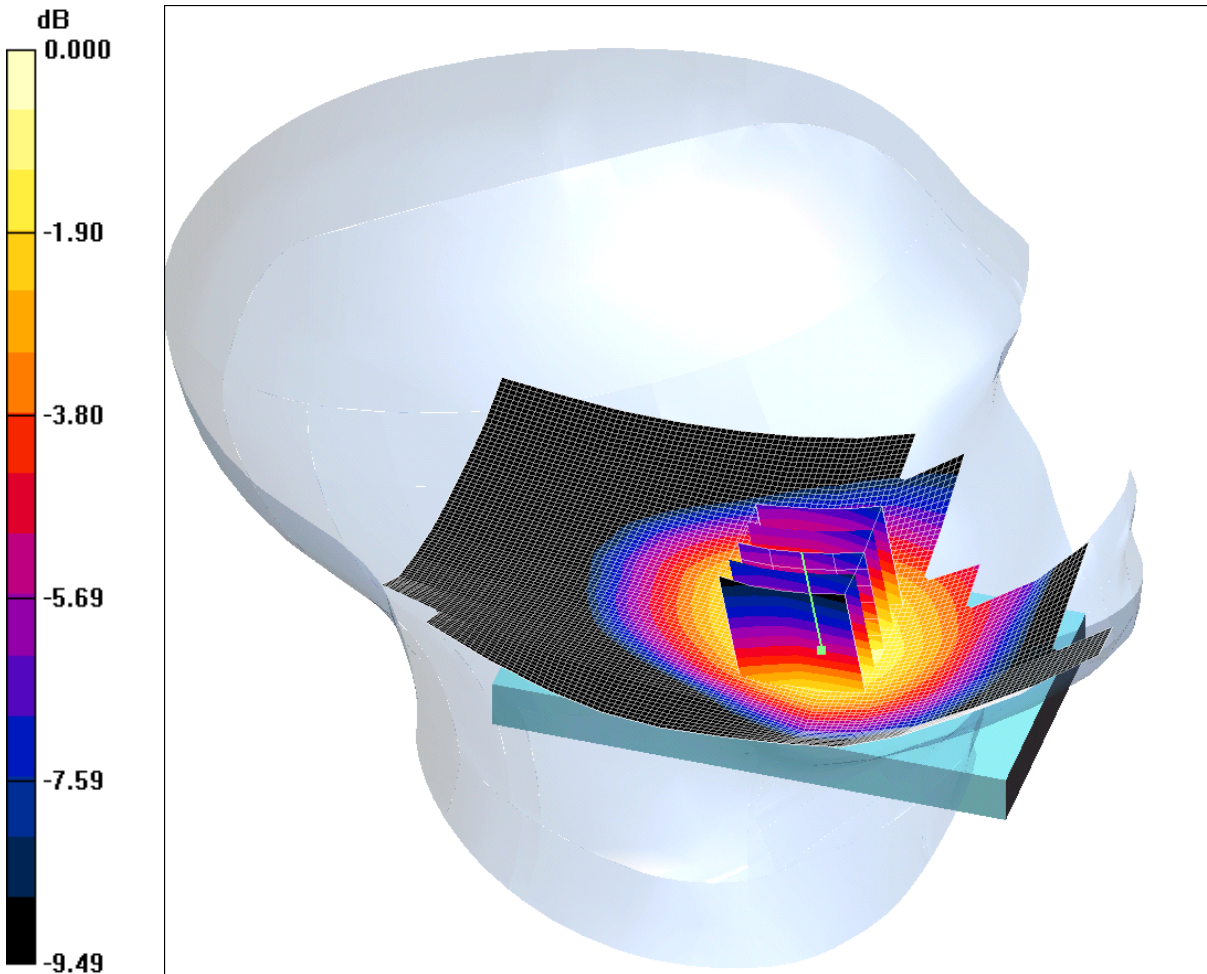
SAR(1 g) = 0.925 mW/g; SAR(10 g) = 0.687 mW/g

Maximum value of SAR (measured) = 0.992 mW/g

SCN/85119JD02/002: Touch Left GSM CH128

Date: 09/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 1.05mW/g

Communication System: GSM 850 MHz; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz HSL Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.895$ mho/m; $\epsilon_r = 43.3$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.85, 5.85, 5.85); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Left - Low/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.01 mW/g

Touch Left - Low/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.4 V/m; Power Drift = -0.100 dB

Peak SAR (extrapolated) = 1.26 W/kg

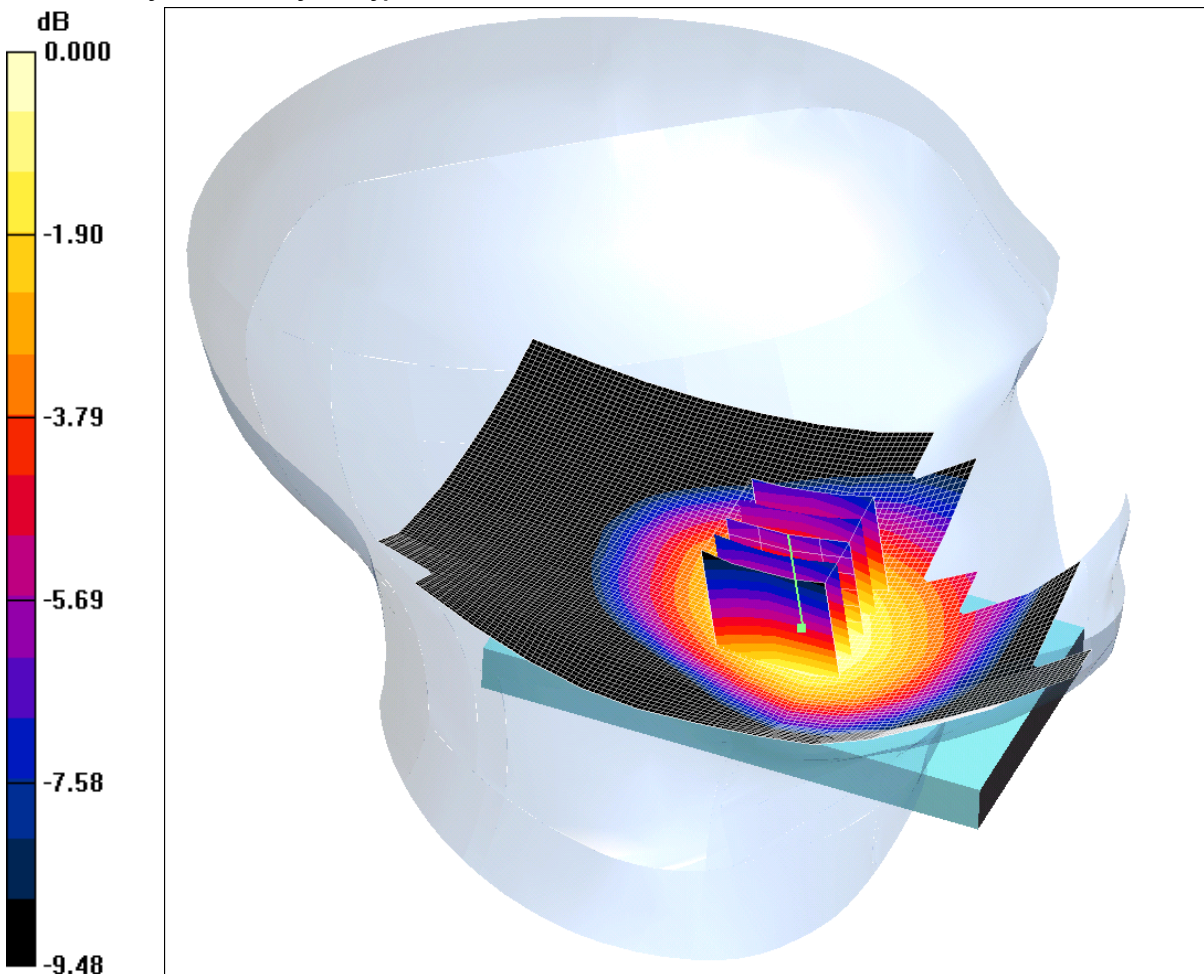
SAR(1 g) = 1 mW/g; SAR(10 g) = 0.743 mW/g

Maximum value of SAR (measured) = 1.05 mW/g

SCN/85119JD02/003: Touch Left GSM CH251

Date: 09/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 0.933mW/g

Communication System: GSM 850 MHz; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz HSL Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.912$ mho/m; $\epsilon_r = 43.2$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.85, 5.85, 5.85); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Left - High/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.904 mW/g

Touch Left - High/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.2 V/m; Power Drift = -0.131 dB

Peak SAR (extrapolated) = 1.10 W/kg

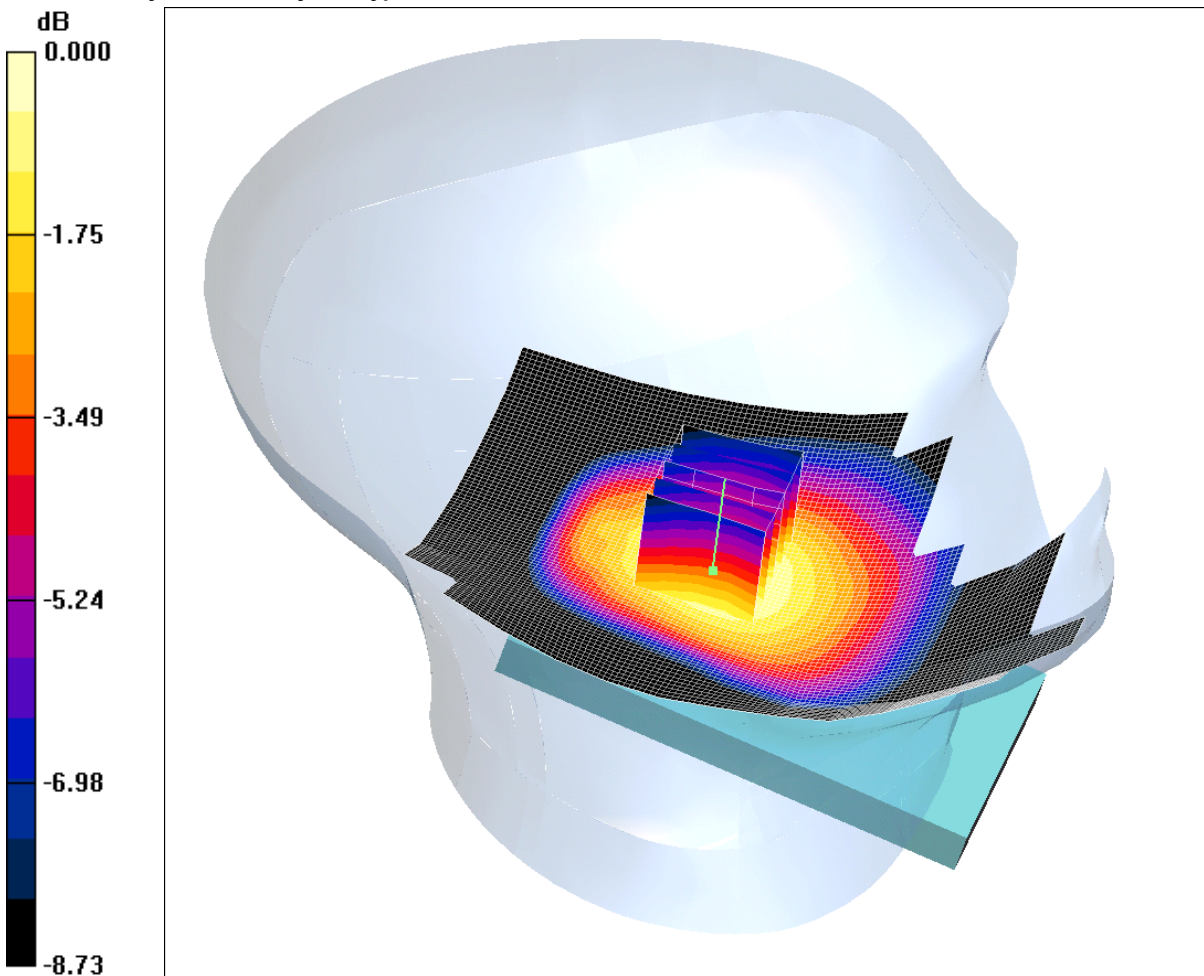
SAR(1 g) = 0.879 mW/g; SAR(10 g) = 0.656 mW/g

Maximum value of SAR (measured) = 0.933 mW/g

SCN/85119JD02/004: Tilt Left GSM CH190

Date: 09/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 0.607mW/g

Communication System: GSM 850 MHz; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz HSL Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.904$ mho/m; $\epsilon_r = 43.3$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.85, 5.85, 5.85); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Tilt Left - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.598 mW/g

Tilt Left - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.8 V/m; Power Drift = -0.057 dB

Peak SAR (extrapolated) = 0.693 W/kg

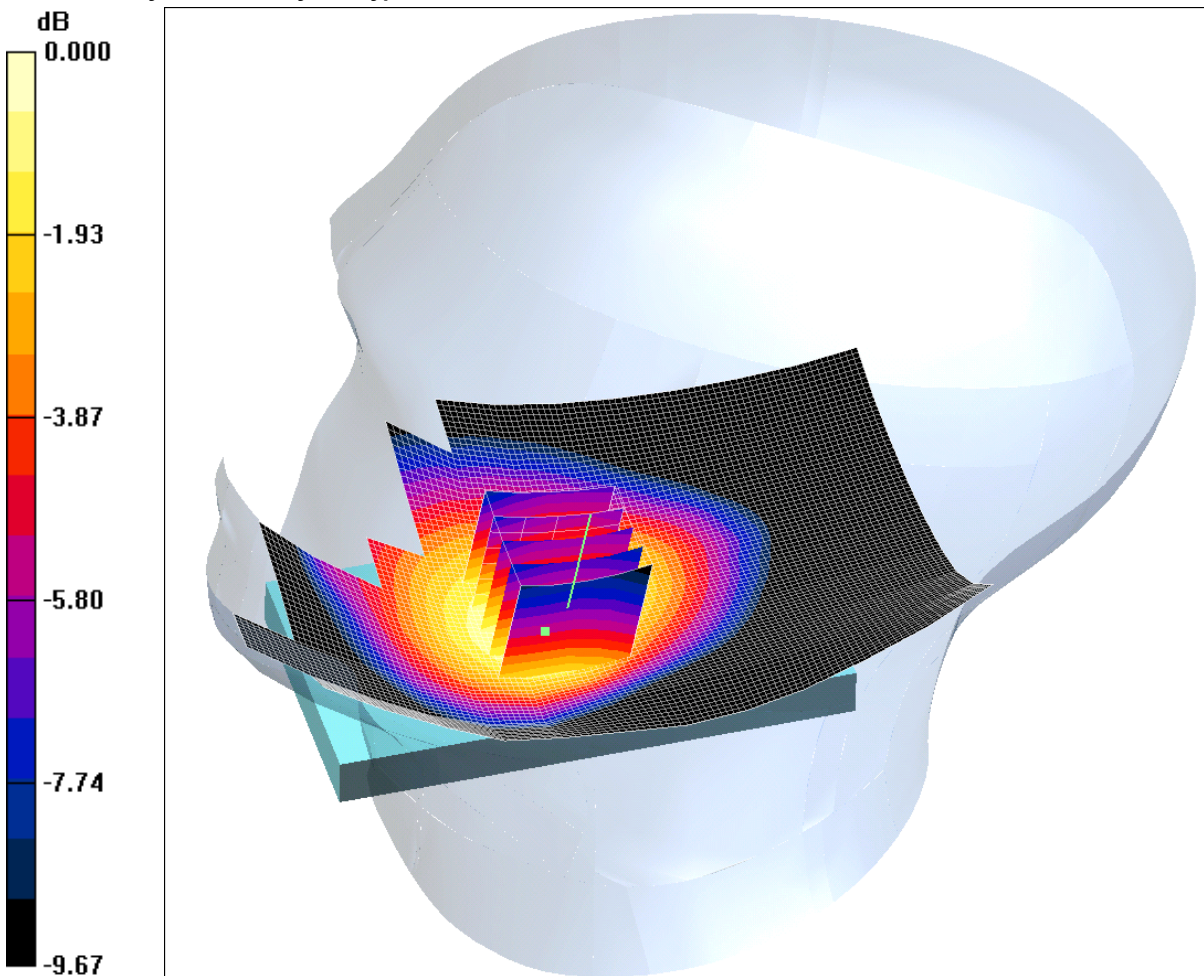
SAR(1 g) = 0.573 mW/g; SAR(10 g) = 0.436 mW/g

Maximum value of SAR (measured) = 0.607 mW/g

SCN/85119JD02/005: Touch Right GSM CH190

Date: 10/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 1.04mW/g

Communication System: GSM 850 MHz; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz HSL Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.904$ mho/m; $\epsilon_r = 43.3$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.85, 5.85, 5.85); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Right - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.02 mW/g

Touch Right - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.8 V/m; Power Drift = -0.191 dB

Peak SAR (extrapolated) = 1.23 W/kg

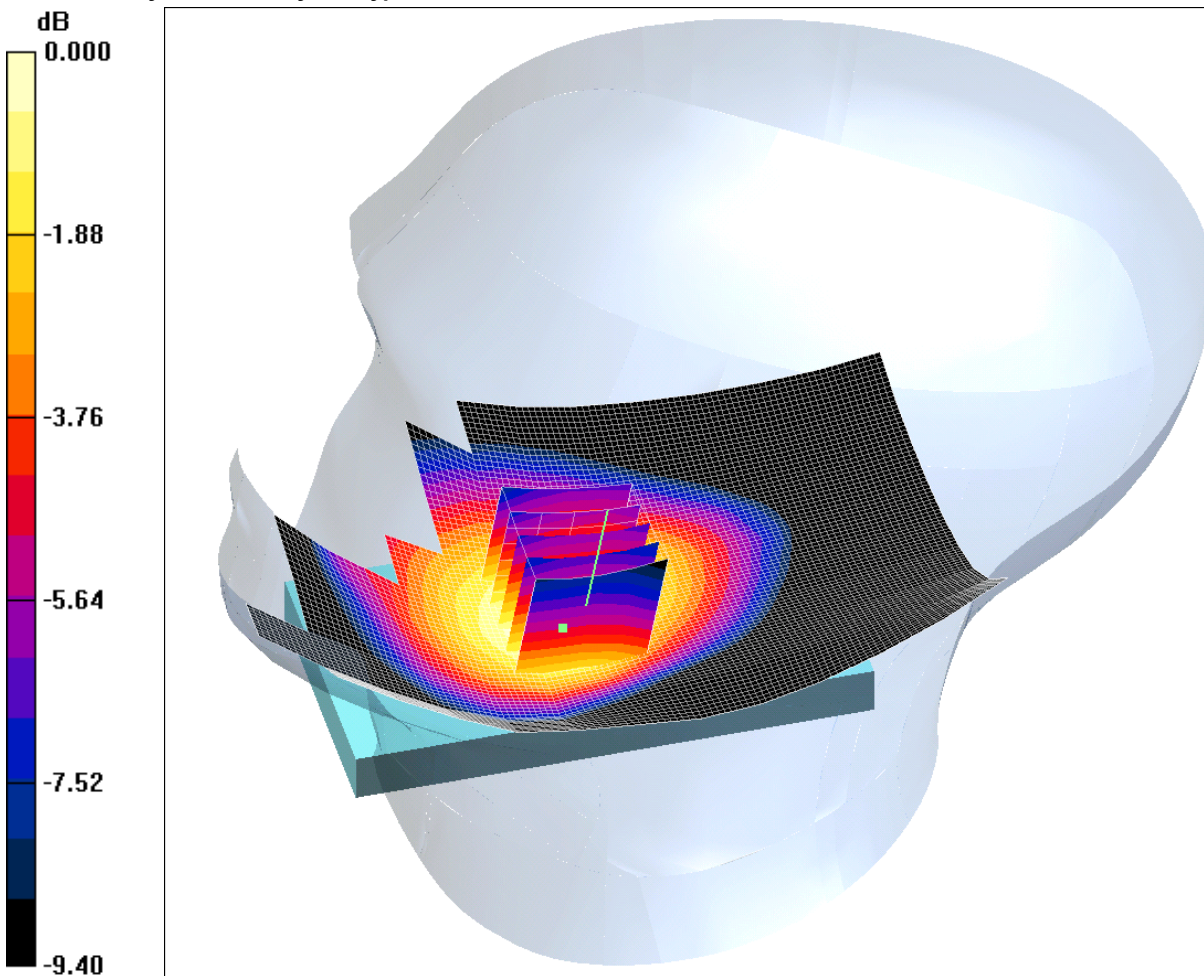
SAR(1 g) = 0.990 mW/g; SAR(10 g) = 0.747 mW/g

Maximum value of SAR (measured) = 1.04 mW/g

SCN/85119JD02/006: Touch Right GSM CH128

Date: 10/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 1.13mW/g

Communication System: GSM 850 MHz; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz HSL Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.895$ mho/m; $\epsilon_r = 43.3$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.85, 5.85, 5.85); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Right - Low/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.13 mW/g

Touch Right - Low/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.5 V/m; Power Drift = -0.182 dB

Peak SAR (extrapolated) = 1.32 W/kg

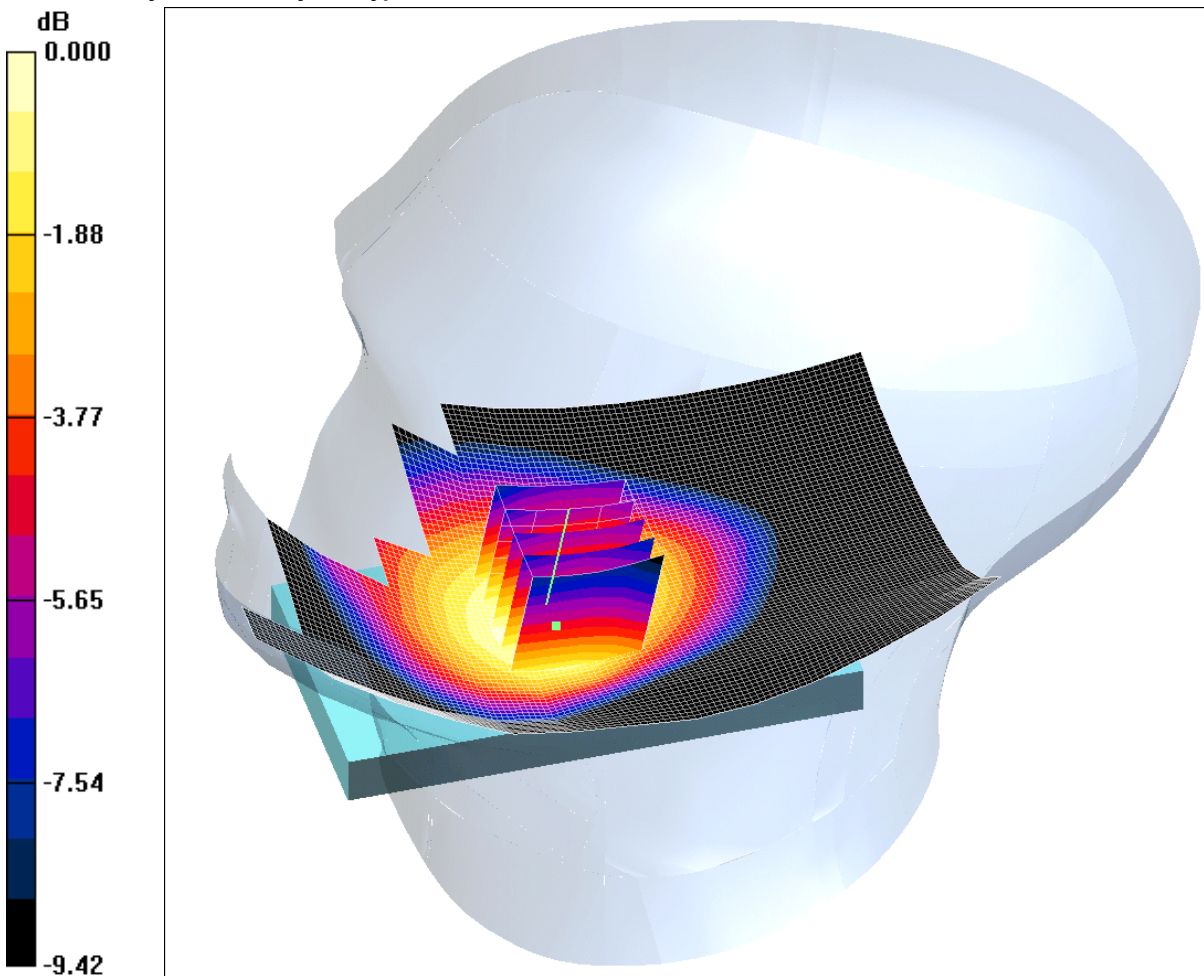
SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.821 mW/g

Maximum value of SAR (measured) = 1.13 mW/g

SCN/85119JD02/007: Touch Right GSM CH251

Date: 10/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 0.963mW/g

Communication System: GSM 850 MHz; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz HSL Medium parameters used (interpolated): $f = 848.8 \text{ MHz}$; $\sigma = 0.912 \text{ mho/m}$; $\epsilon_r = 43.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.85, 5.85, 5.85); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Right - High/Area Scan (81x121x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.989 mW/g

Touch Right - High/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.4 V/m; Power Drift = -0.077 dB

Peak SAR (extrapolated) = 1.15 W/kg

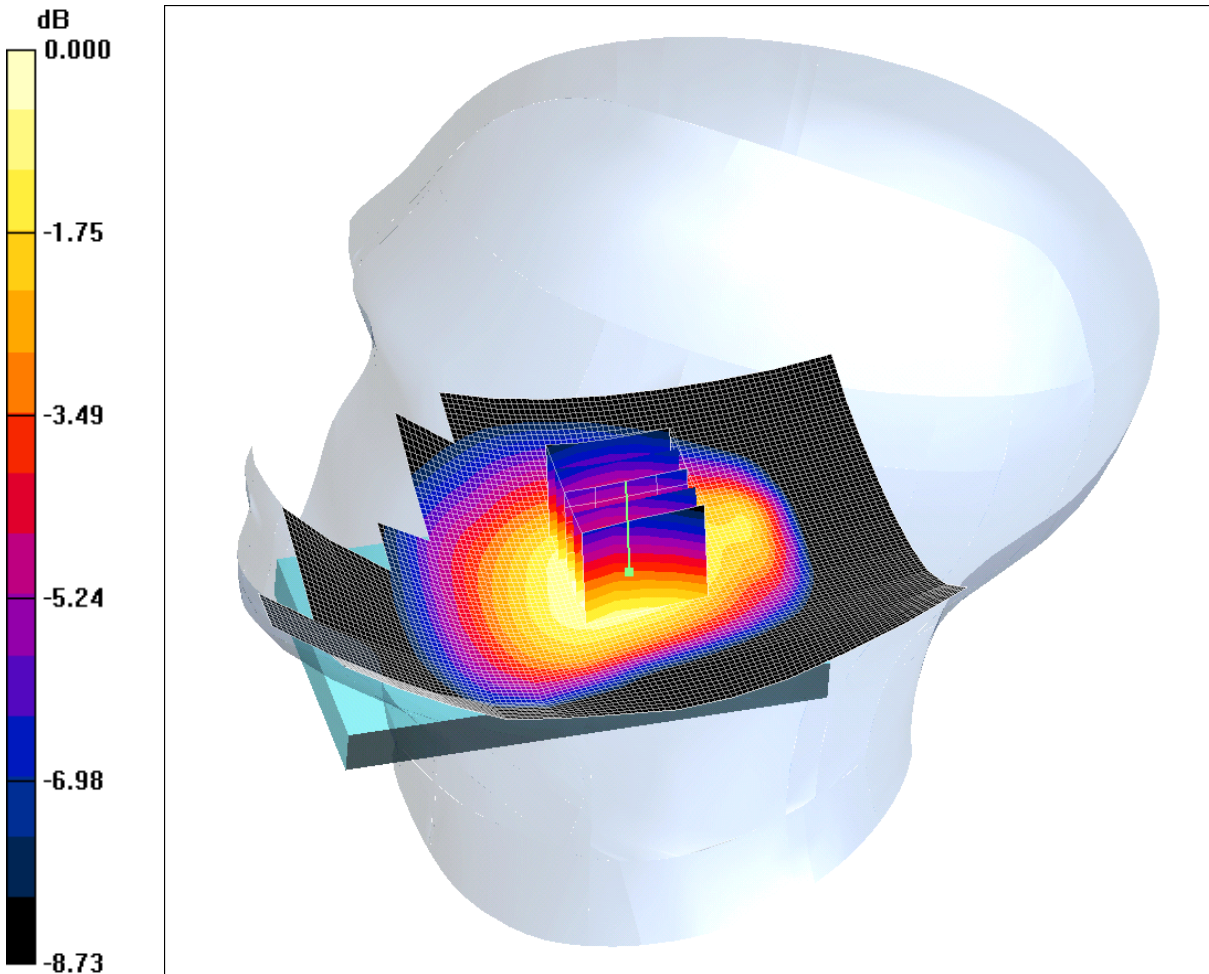
SAR(1 g) = 0.935 mW/g; SAR(10 g) = 0.715 mW/g

Maximum value of SAR (measured) = 0.963 mW/g

SCN/85119JD02/008: Tilt Right GSM CH190

Date: 10/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 0.630mW/g

Communication System: GSM 850 MHz; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz HSL Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.904$ mho/m; $\epsilon_r = 43.3$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.85, 5.85, 5.85); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Tilt Right - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.642 mW/g

Tilt Right - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.0 V/m; Power Drift = 0.035 dB

Peak SAR (extrapolated) = 0.726 W/kg

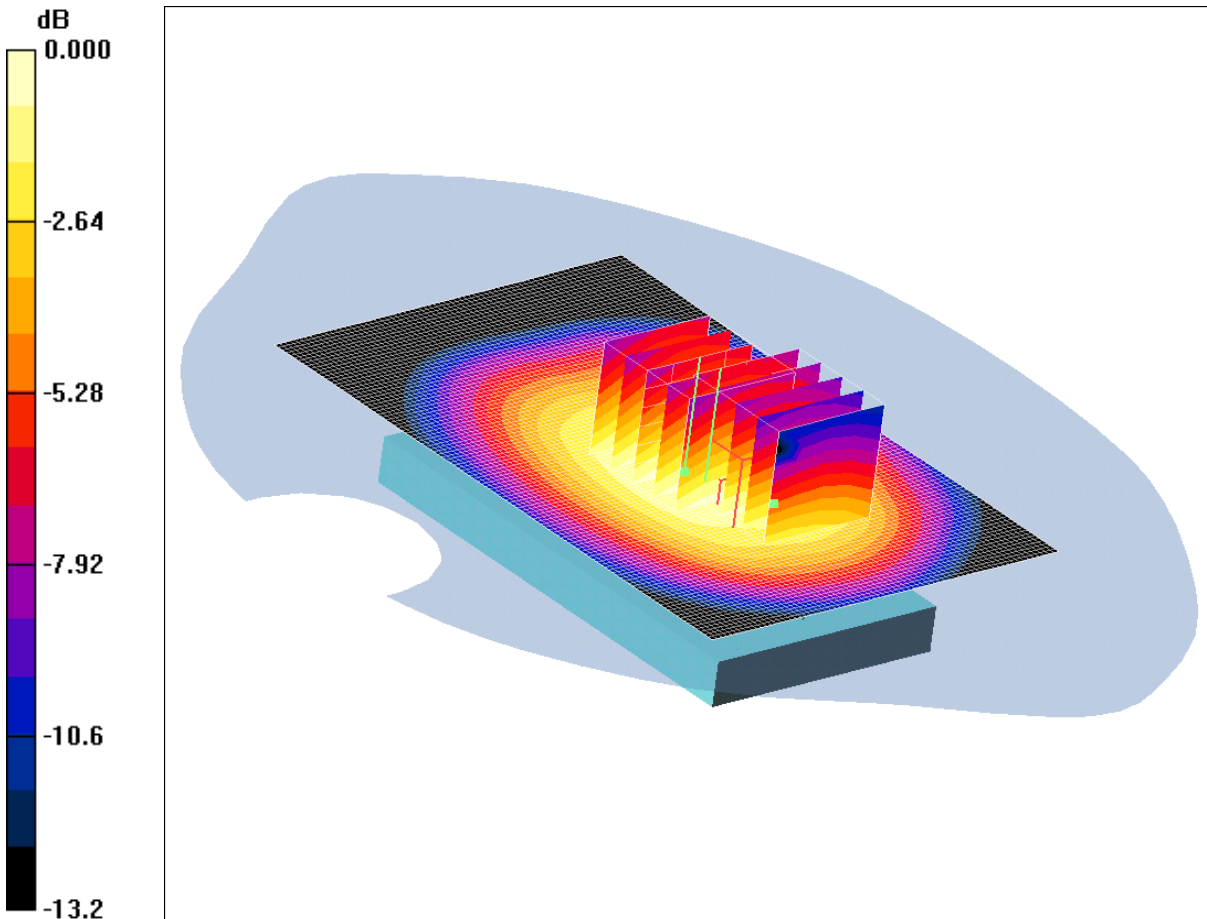
SAR(1 g) = 0.598 mW/g; SAR(10 g) = 0.458 mW/g

Maximum value of SAR (measured) = 0.630 mW/g

SCN/85119JD02/009: Front of EUT Facing Phantom GPRS CH190

Date 12/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 1.23mW/g

Communication System: GPRS 850 MHz 4TX; Frequency: 836.6 MHz; Duty Cycle: 1:2

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 1.02$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Front of EUT Facing Phantom - Middle/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.06 mW/g

Front of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.5 V/m; Power Drift = 0.114 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.900 mW/g

Maximum value of SAR (measured) = 1.23 mW/g

Front of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.5 V/m; Power Drift = 0.114 dB

Peak SAR (extrapolated) = 1.42 W/kg

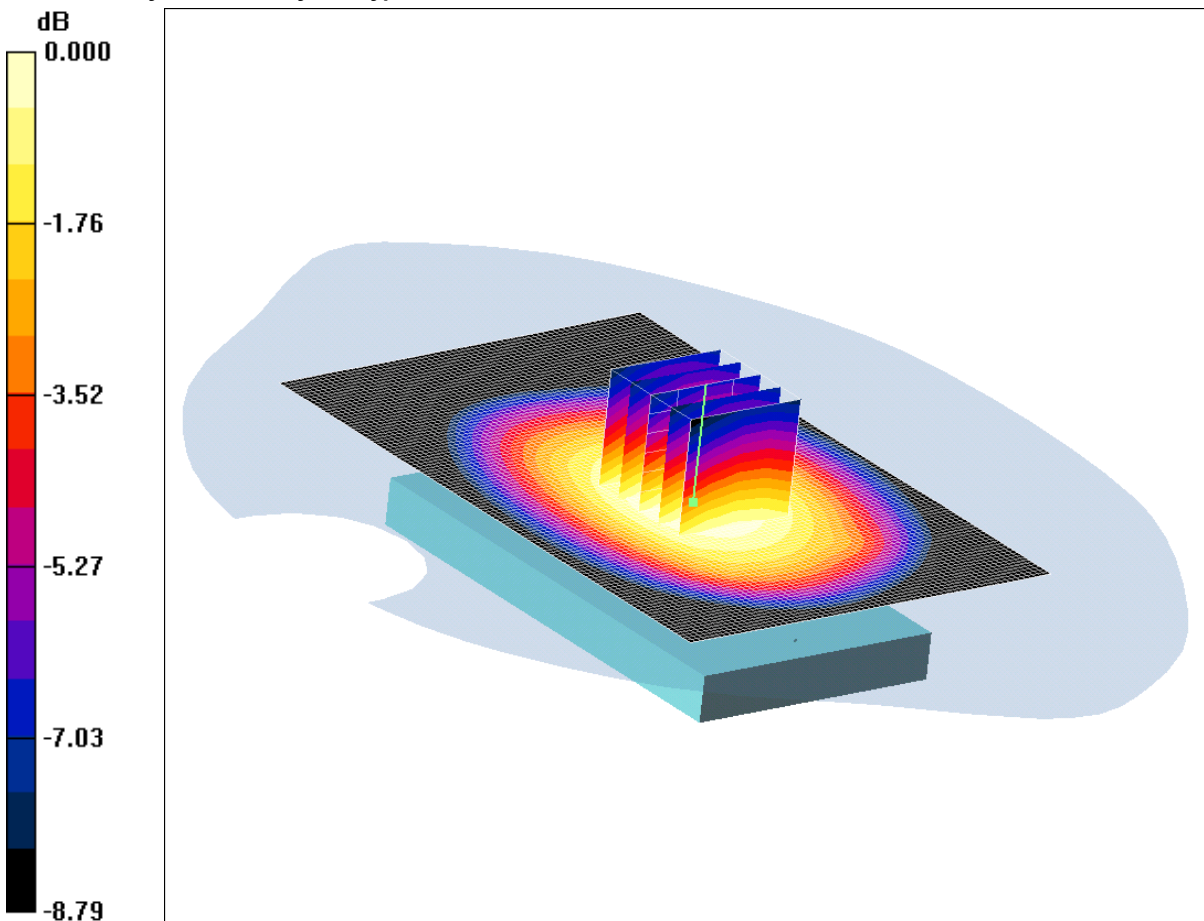
SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.826 mW/g

Note: DASY system is configured to measure any secondary maxima that are within 2dB of the measured SAR level.

SCN/85119JD02/010: Front of EUT Facing Phantom GPRS CH128

Date 12/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 1.21mW/g

Communication System: GPRS 850 MHz 4TX; Frequency: 824.2 MHz; Duty Cycle: 1:2

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 1.02$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Front of EUT Facing Phantom - Low/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.22 mW/g

Front of EUT Facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.5 V/m; Power Drift = -0.143 dB

Peak SAR (extrapolated) = 1.37 W/kg

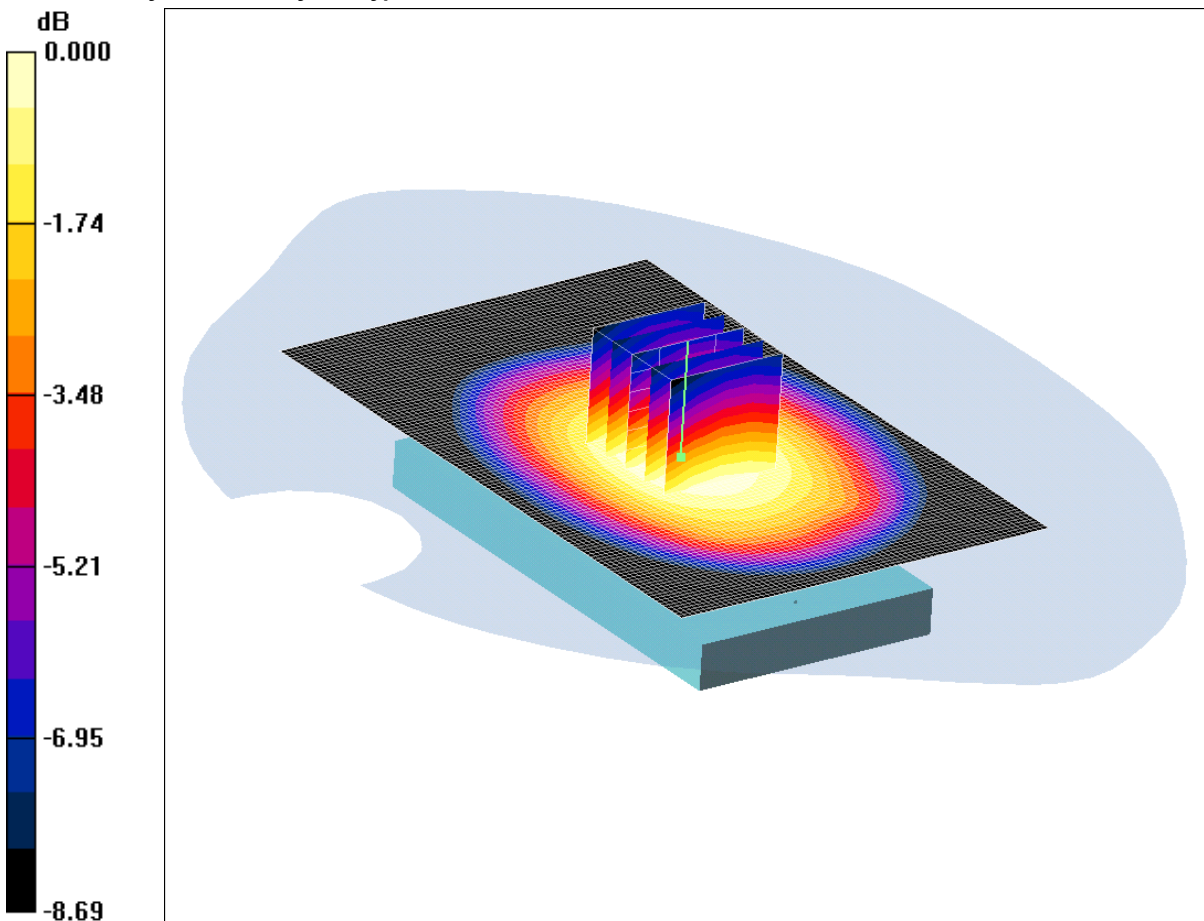
SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.887 mW/g

Maximum value of SAR (measured) = 1.21 mW/g

SCN/85119JD02/011: Front of EUT Facing Phantom GPRS CH251

Date 12/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 1.04mW/g

Communication System: GPRS 850 MHz 4TX; Frequency: 848.8 MHz; Duty Cycle: 1:2

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 1.03$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Front of EUT Facing Phantom - High/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.07 mW/g

Front of EUT Facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.6 V/m; Power Drift = -0.020 dB

Peak SAR (extrapolated) = 1.18 W/kg

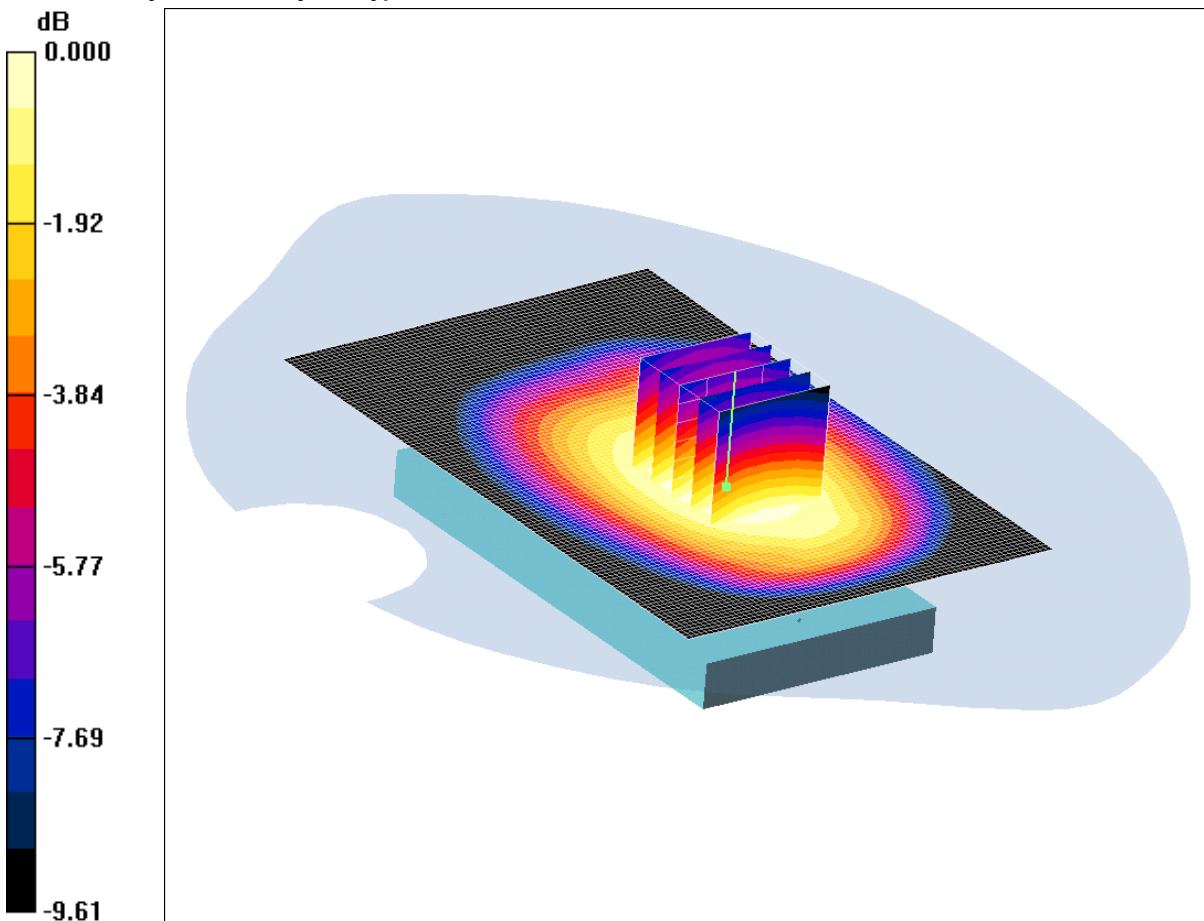
SAR(1 g) = 0.994 mW/g; SAR(10 g) = 0.760 mW/g

Maximum value of SAR (measured) = 1.04 mW/g

SCN/85119JD02/012: Rear of EUT Facing Phantom GPRS CH190

Date 12/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 1.20mW/g

Communication System: GPRS 850 MHz 4TX; Frequency: 836.6 MHz; Duty Cycle: 1:2

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 1.02$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Middle/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.20 mW/g

Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.8 V/m; Power Drift = -0.019 dB

Peak SAR (extrapolated) = 1.36 W/kg

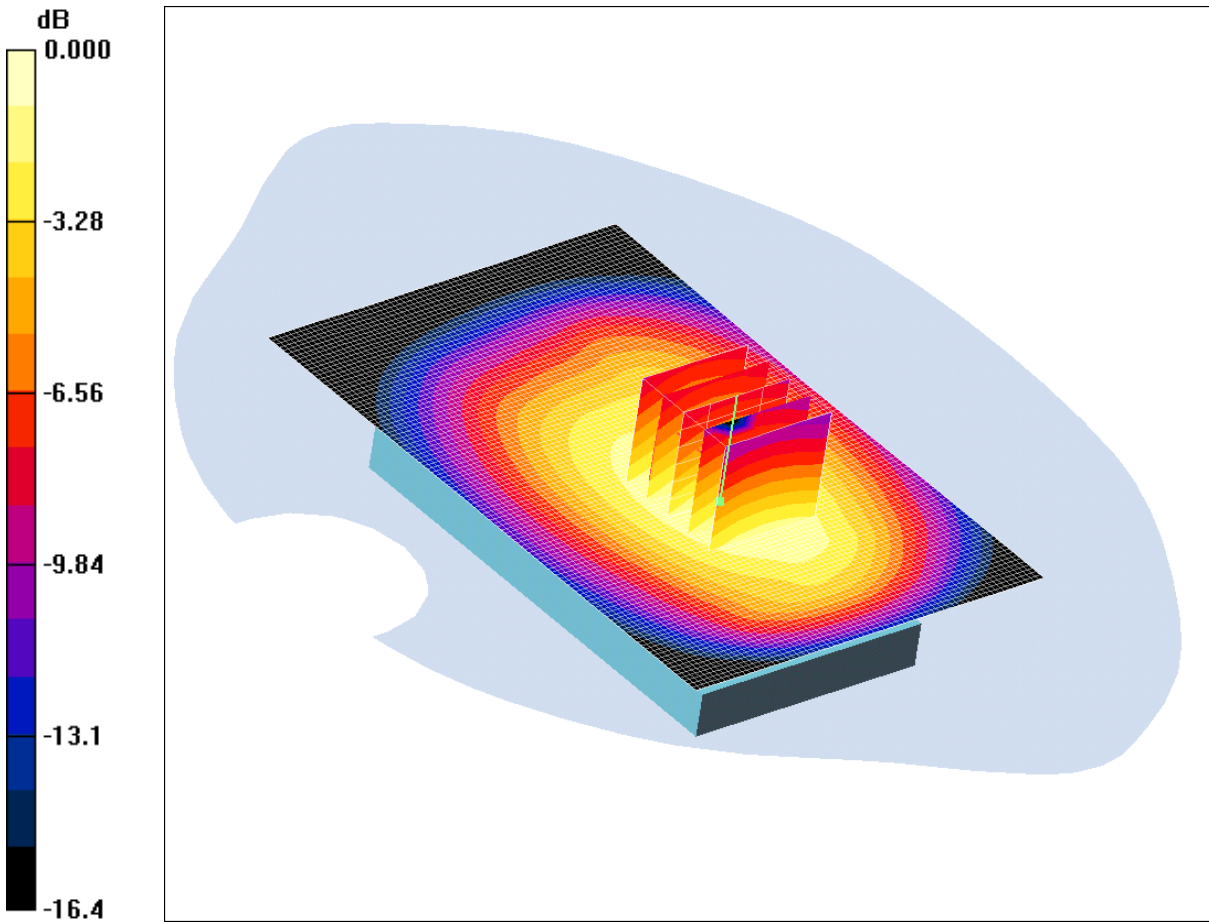
SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.863 mW/g

Maximum value of SAR (measured) = 1.20 mW/g

SCN/85119JD02/013: Rear of EUT Facing Phantom GPRS CH128

Date 12/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 1.50mW/g

Communication System: GPRS 850 MHz 4TX; Frequency: 824.2 MHz; Duty Cycle: 1:2

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 1.02$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Low/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.17 mW/g

Rear of EUT Facing Phantom - Low/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.6 V/m; Power Drift = -0.089 dB

Peak SAR (extrapolated) = 1.35 W/kg

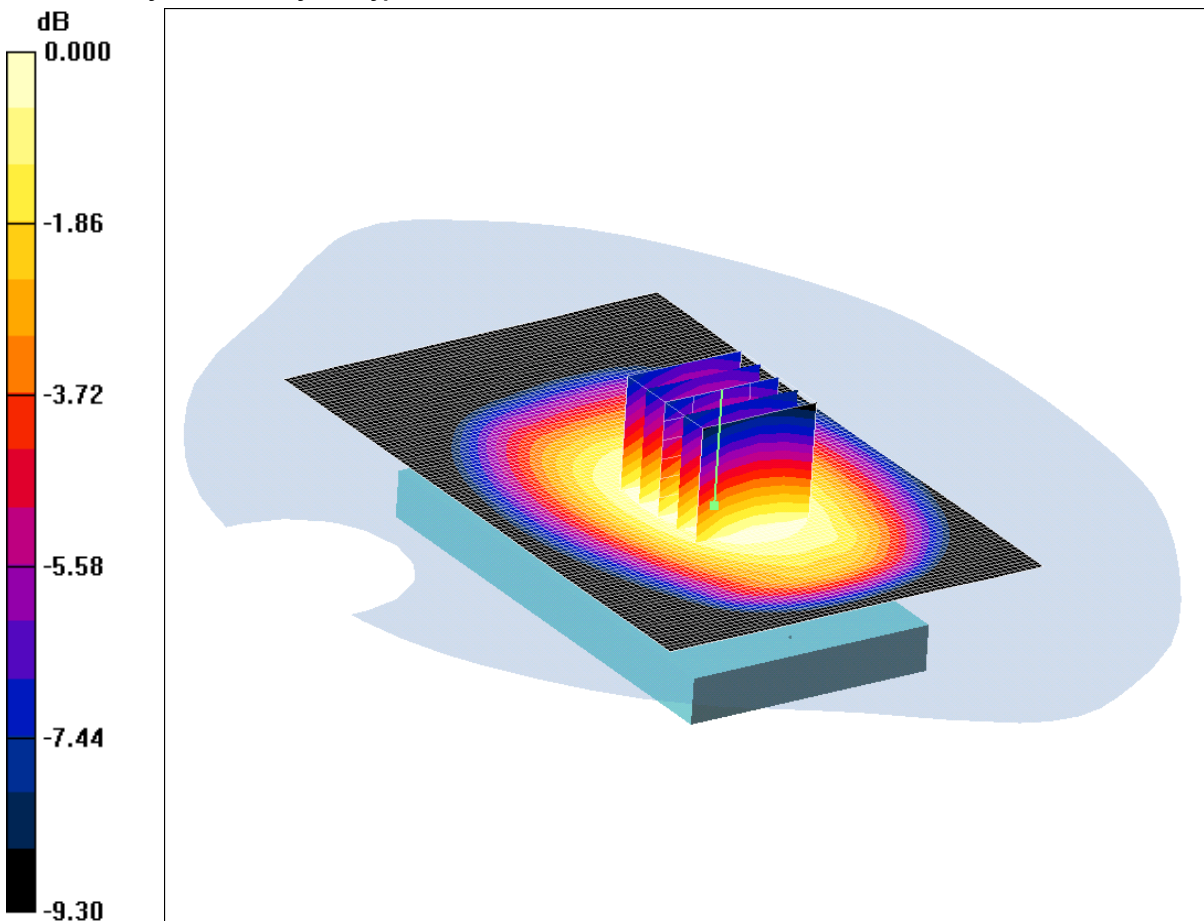
SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.835 mW/g

Maximum value of SAR (measured) = 1.16 mW/g

SCN/85119JD02/014: Rear of EUT Facing Phantom GPRS CH251

Date 12/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 1.06mW/g

Communication System: GPRS 850 MHz 4TX; Frequency: 848.8 MHz; Duty Cycle: 1:2

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 1.03$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - High/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.11 mW/g

Rear of EUT Facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.3 V/m; Power Drift = 0.188 dB

Peak SAR (extrapolated) = 1.20 W/kg

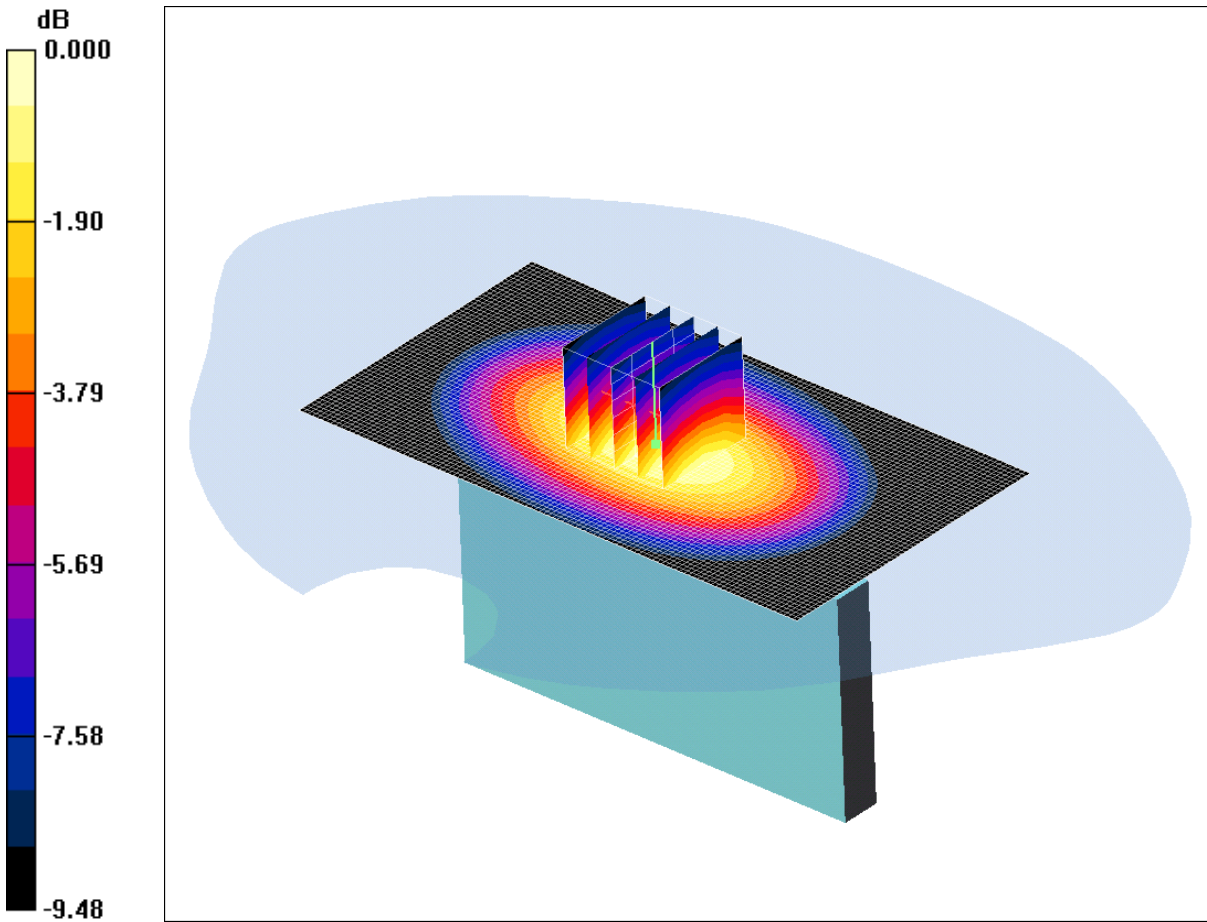
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.762 mW/g

Maximum value of SAR (measured) = 1.06 mW/g

SCN/85119JD02/015: Left Hand Side of EUT Facing Phantom GPRS CH190

Date: 13/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 1.16mW/g

Communication System: GPRS 850 MHz 4TX; Frequency: 836.6 MHz; Duty Cycle: 1:2

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 1.02$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Left Hand Side of EUT Facing Phantom - Middle 2/Area Scan (61x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.10 mW/g

Left Hand Side of EUT Facing Phantom - Middle 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.7 V/m; Power Drift = 0.040 dB

Peak SAR (extrapolated) = 1.42 W/kg

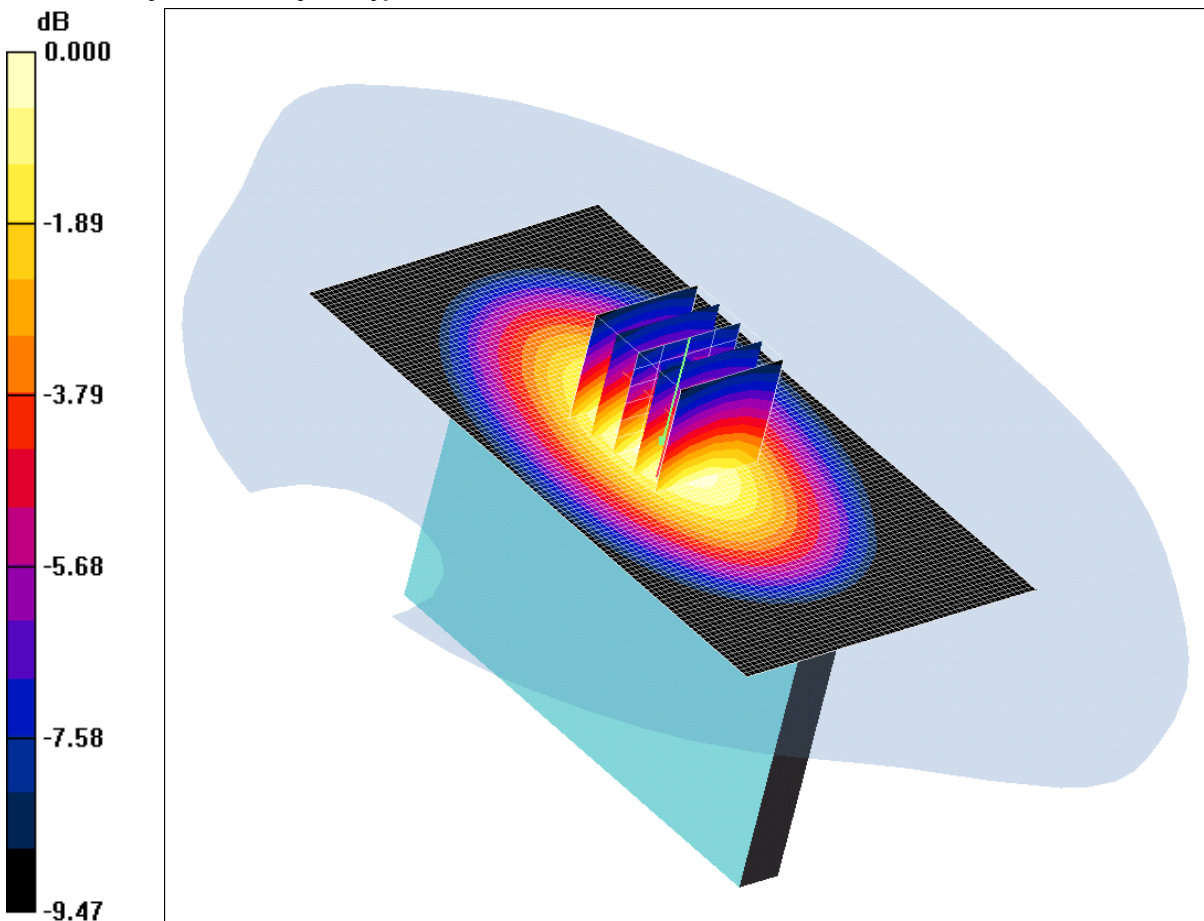
SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.749 mW/g

Maximum value of SAR (measured) = 1.16 mW/g

SCN/85119JD02/016: Left Hand Side of EUT Facing Phantom GPRS CH128

Date: 13/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 1.10mW/g

Communication System: GPRS 850 MHz 4TX; Frequency: 824.2 MHz; Duty Cycle: 1:2

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 1.02$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Left Hand Side of EUT Facing Phantom - Low/Area Scan (61x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.10 mW/g

Left Hand Side of EUT Facing Phantom - Low/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.8 V/m; Power Drift = -0.119 dB

Peak SAR (extrapolated) = 1.34 W/kg

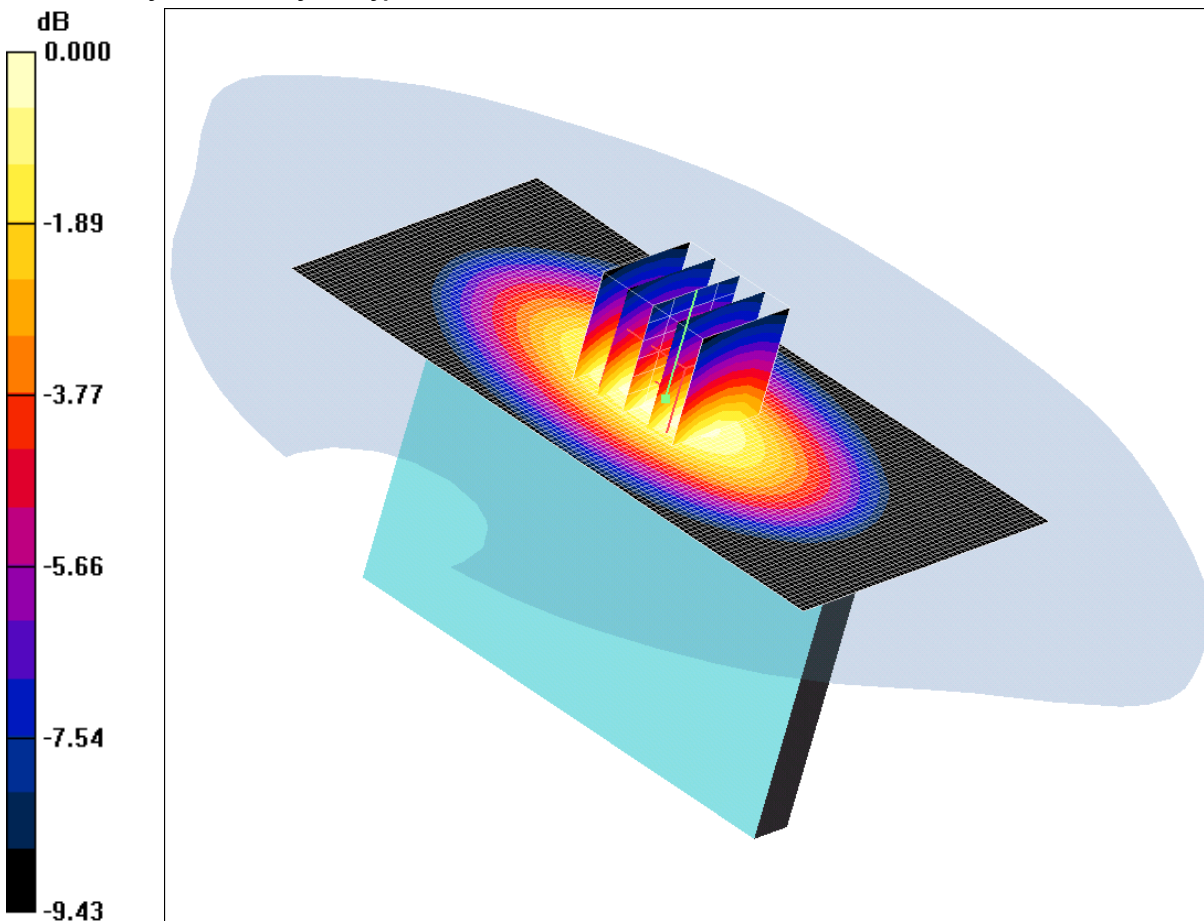
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.720 mW/g

Maximum value of SAR (measured) = 1.10 mW/g

SCN/85119JD02/017: Left Hand Side of EUT Facing Phantom GPRS CH251

Date: 13/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 1.03mW/g

Communication System: GPRS 850 MHz 4TX; Frequency: 848.8 MHz; Duty Cycle: 1:2

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 1.03$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Left Hand Side of EUT Facing Phantom -High/Area Scan (61x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.02 mW/g

Left Hand Side of EUT Facing Phantom -High/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.8 V/m; Power Drift = 0.057 dB

Peak SAR (extrapolated) = 1.25 W/kg

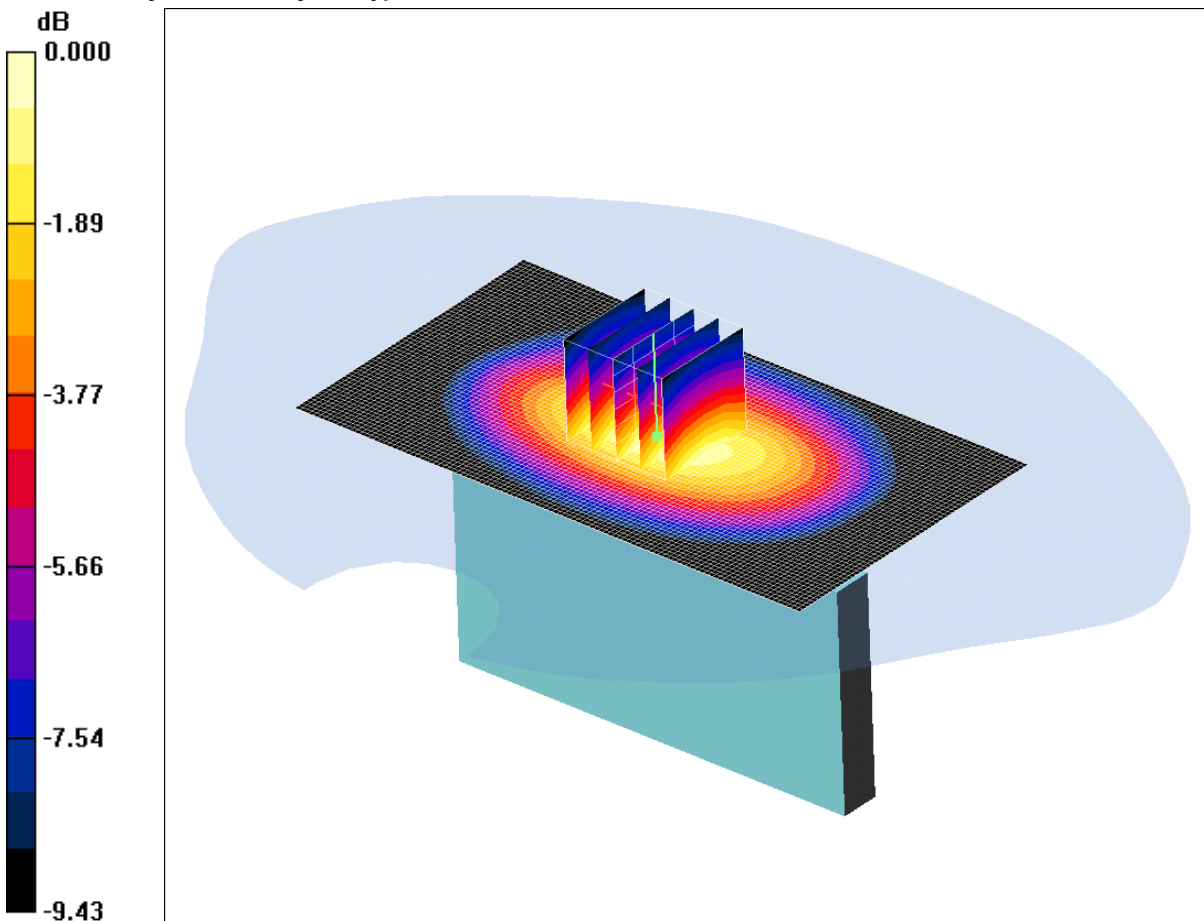
SAR(1 g) = 0.958 mW/g; SAR(10 g) = 0.670 mW/g

Maximum value of SAR (measured) = 1.03 mW/g

SCN/85119JD02/018: Right Hand Side of EUT Facing Phantom GPRS CH190

Date: 13/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 1.15mW/g

Communication System: GPRS 850 MHz 4TX; Frequency: 836.6 MHz; Duty Cycle: 1:2

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 1.02$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Right Hand Side of EUT Facing Phantom - Middle/Area Scan (61x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.995 mW/g

Right Hand Side of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.6 V/m; Power Drift = 0.196 dB

Peak SAR (extrapolated) = 1.42 W/kg

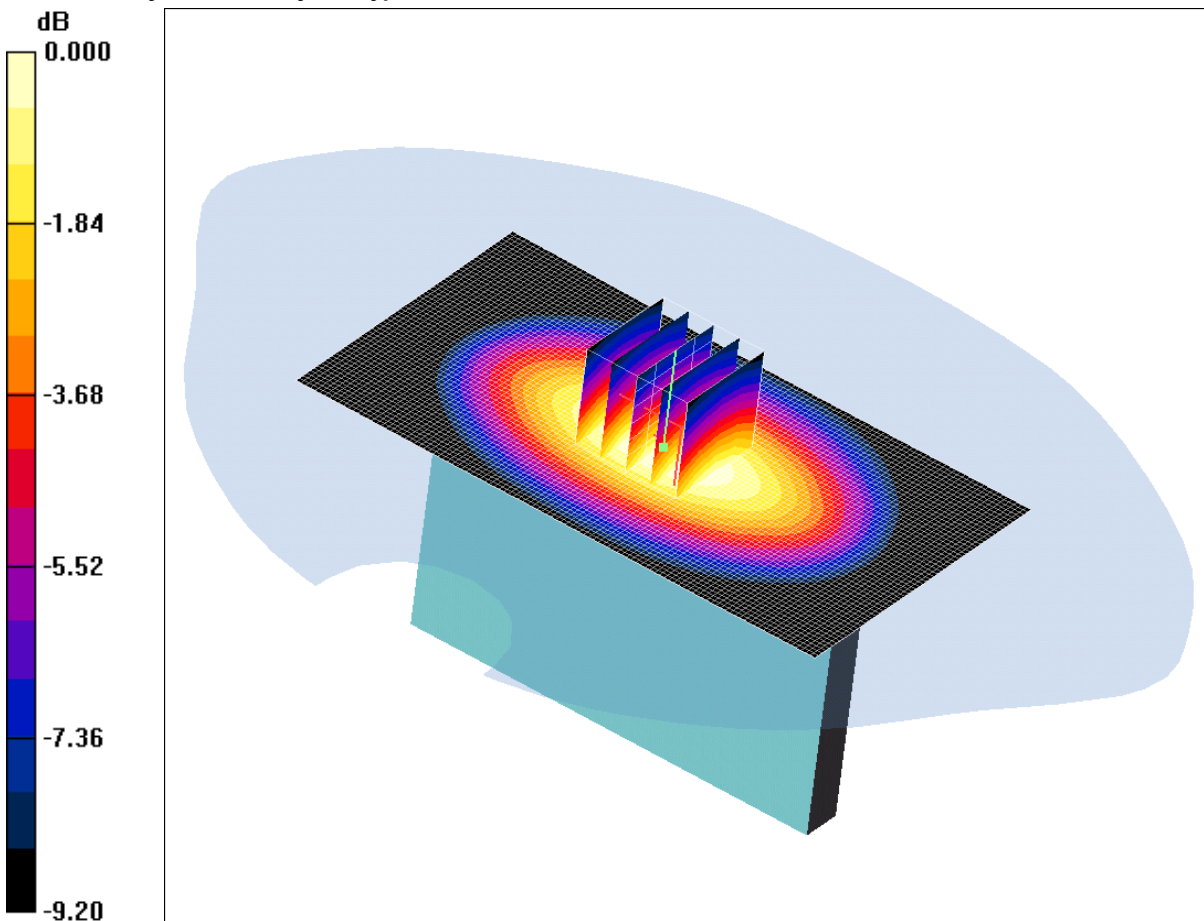
SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.748 mW/g

Maximum value of SAR (measured) = 1.15 mW/g

SCN/85119JD02/019: Right Hand Side of EUT Facing Phantom GPRS CH128

Date: 13/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 1.00mW/g

Communication System: GPRS 850 MHz 4TX; Frequency: 824.2 MHz; Duty Cycle: 1:2

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 1.02$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Right Hand Side of EUT Facing Phantom - Low/Area Scan (61x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.01 mW/g

Right Hand Side of EUT Facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.3 V/m; Power Drift = -0.152 dB

Peak SAR (extrapolated) = 1.23 W/kg

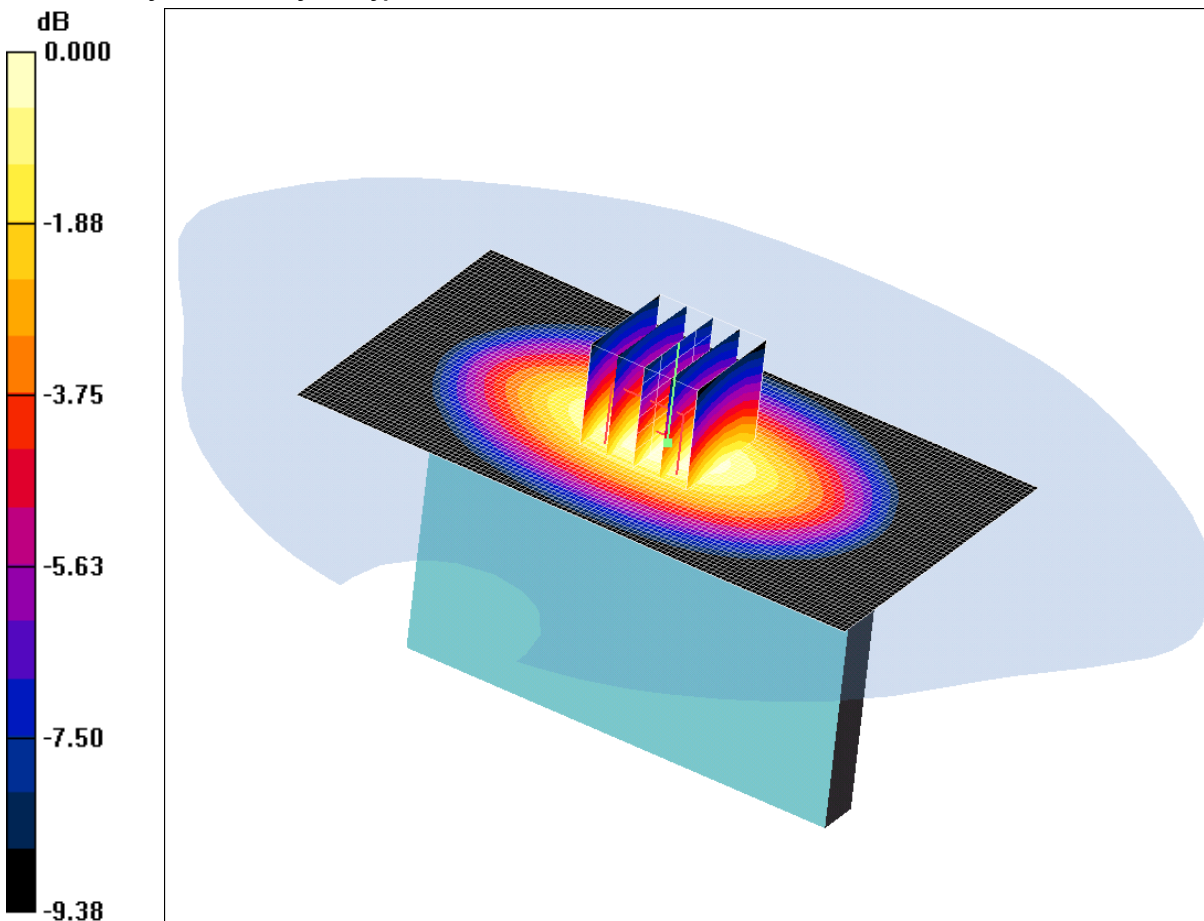
SAR(1 g) = 0.933 mW/g; SAR(10 g) = 0.657 mW/g

Maximum value of SAR (measured) = 1.00 mW/g

SCN/85119JD02/020: Right Hand Side of EUT Facing Phantom GPRS CH251

Date: 13/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 1.00mW/g

Communication System: GPRS 850 MHz 4TX; Frequency: 848.8 MHz; Duty Cycle: 1:2

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 1.03$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Right Hand Side of EUT Facing Phantom - High/Area Scan (61x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.01 mW/g

Right Hand Side of EUT Facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.6 V/m; Power Drift = 0.061 dB

Peak SAR (extrapolated) = 1.23 W/kg

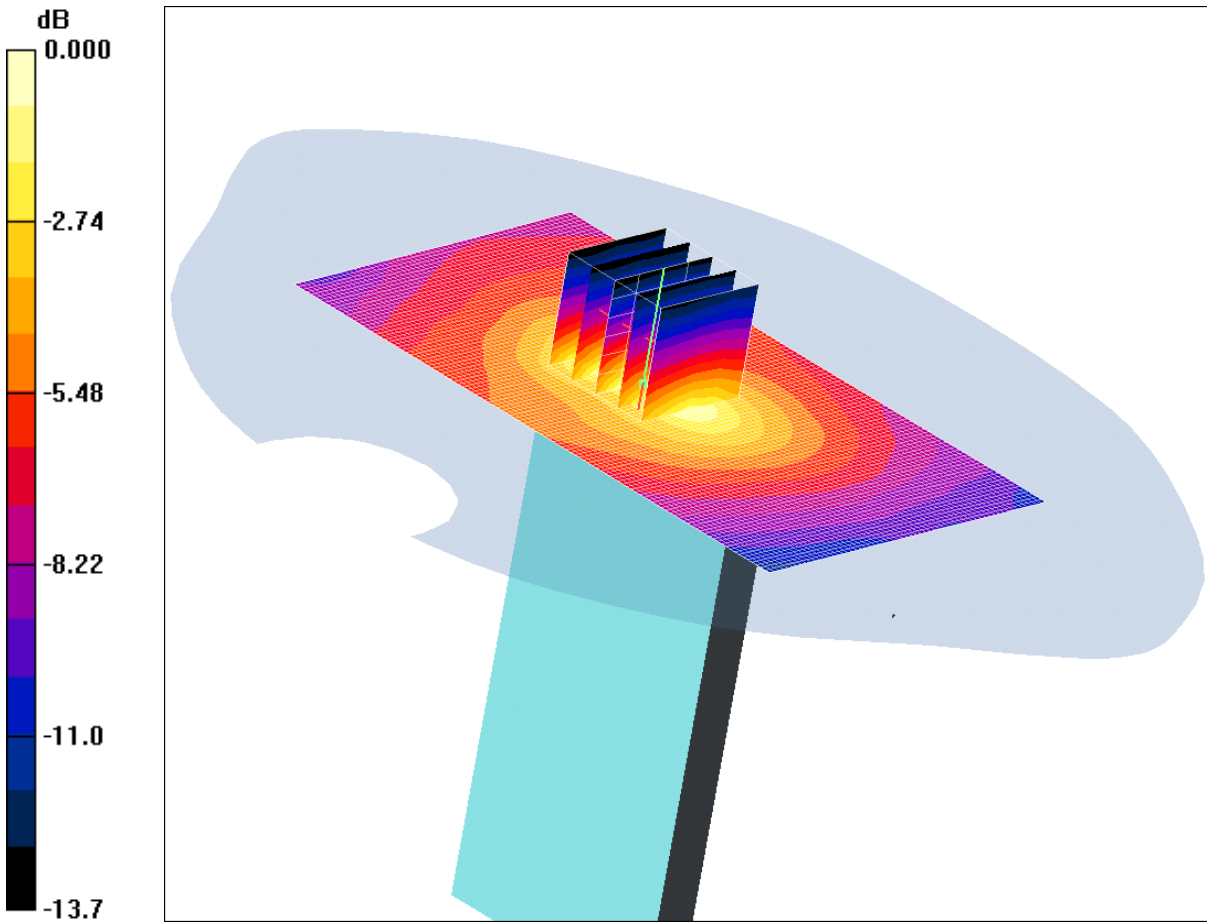
SAR(1 g) = 0.938 mW/g; SAR(10 g) = 0.655 mW/g

Maximum value of SAR (measured) = 1.00 mW/g

SCN/85119JD02/021: Base of EUT Facing Phantom GPRS CH190

Date: 13/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 0.141mW/g

Communication System: GPRS 850 MHz 4TX; Frequency: 836.6 MHz; Duty Cycle: 1:2

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 1.02$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Base of EUT Facing Phantom - Middle/Area Scan (61x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.140 mW/g

Base of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.5 V/m; Power Drift = -0.154 dB

Peak SAR (extrapolated) = 0.264 W/kg

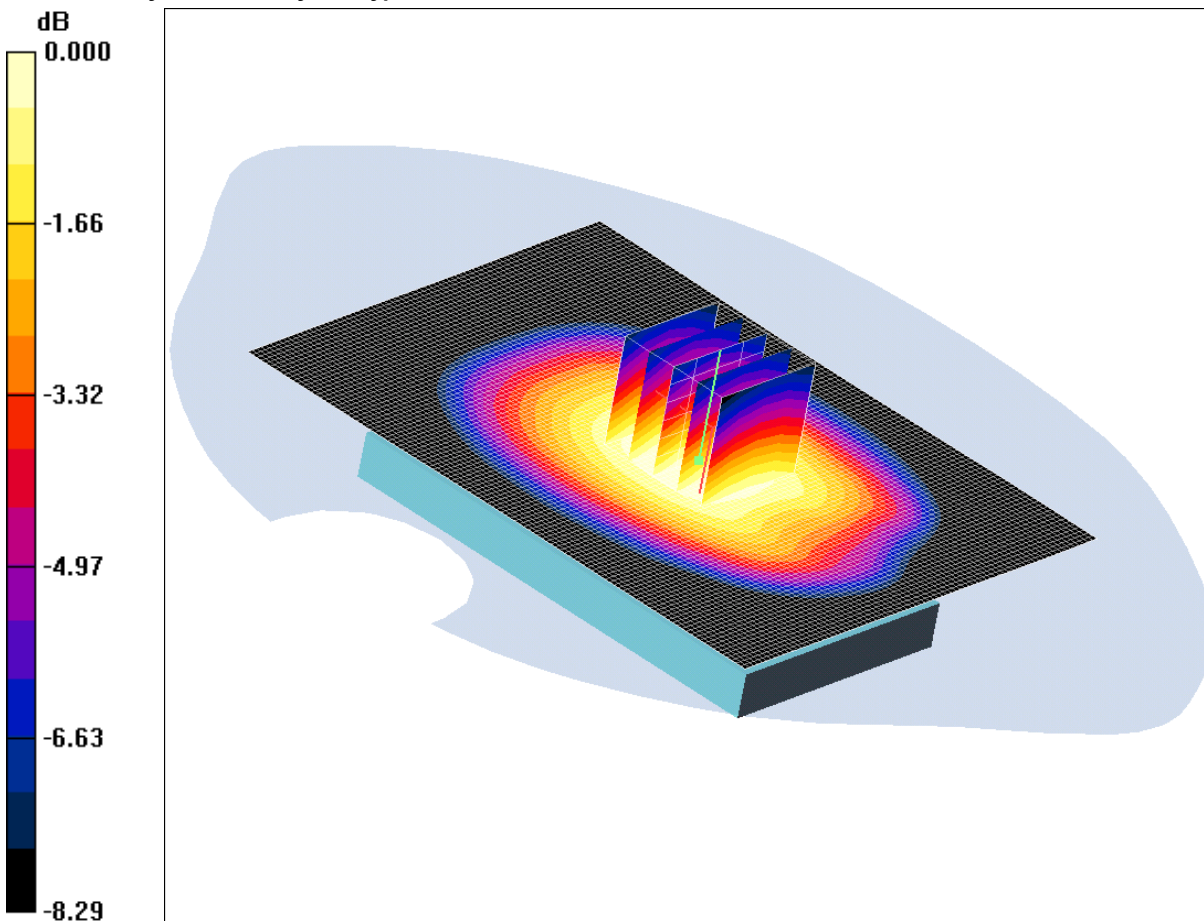
SAR(1 g) = 0.128 mW/g; SAR(10 g) = 0.070 mW/g

Maximum value of SAR (measured) = 0.141 mW/g

SCN/85119JD02/022: Front of EUT Facing Phantom EDGE CH190

Date: 13/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 1.33mW/g

Communication System: EDGE 850 MHz 4TX; Frequency: 836.6 MHz; Duty Cycle: 1:2

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 1.02$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Front of EUT Facing Phantom - Middle 2 2/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.34 mW/g

Front of EUT Facing Phantom - Middle 2 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.0 V/m; Power Drift = 0.006 dB

Peak SAR (extrapolated) = 1.48 W/kg

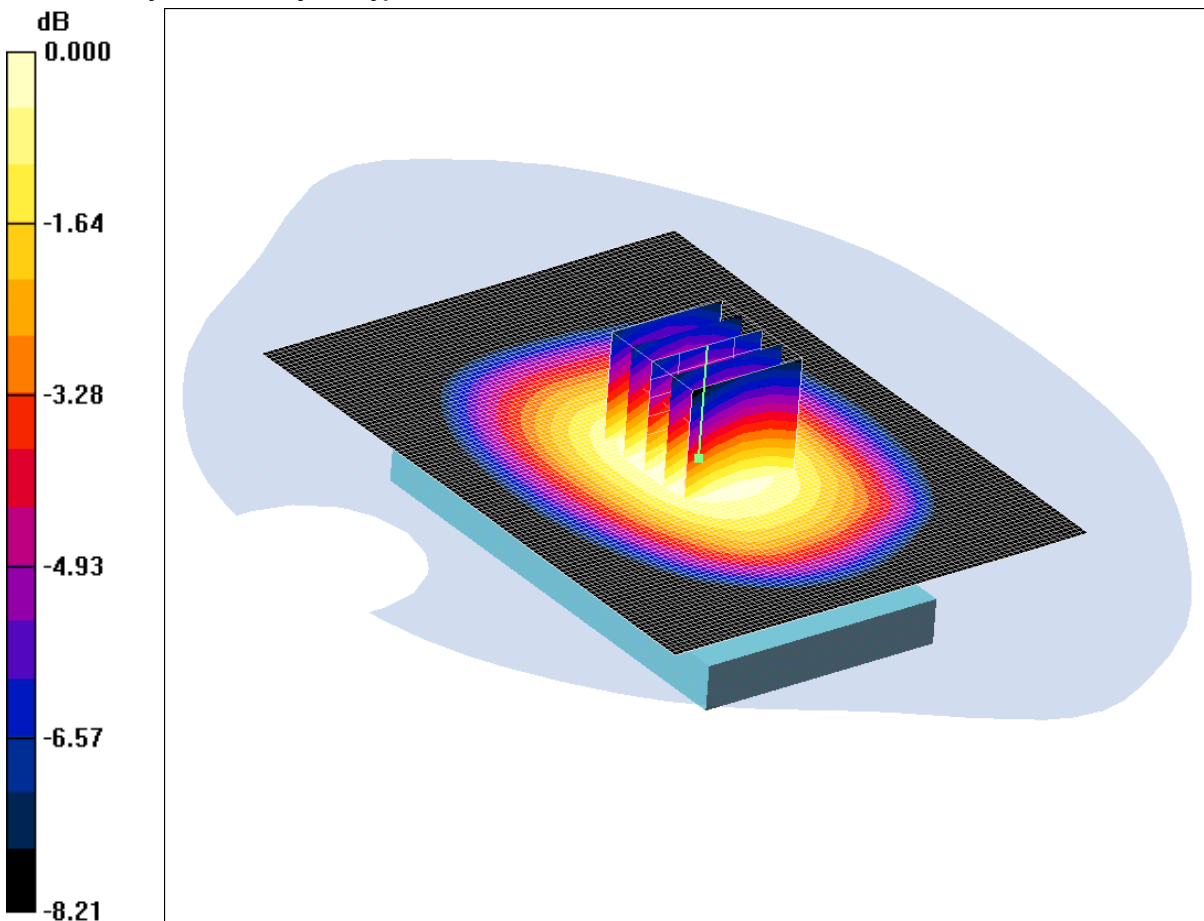
SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.969 mW/g

Maximum value of SAR (measured) = 1.33 mW/g

SCN/85119JD02/023: Front of EUT Facing Phantom EDGE CH128

Date: 13/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 1.27mW/g

Communication System: EDGE 850 MHz 4TX; Frequency: 824.2 MHz; Duty Cycle: 1:2

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 1.02$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Front of EUT Facing Phantom - Low/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.27 mW/g

Front of EUT Facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 36.9 V/m; Power Drift = -0.132 dB

Peak SAR (extrapolated) = 1.43 W/kg

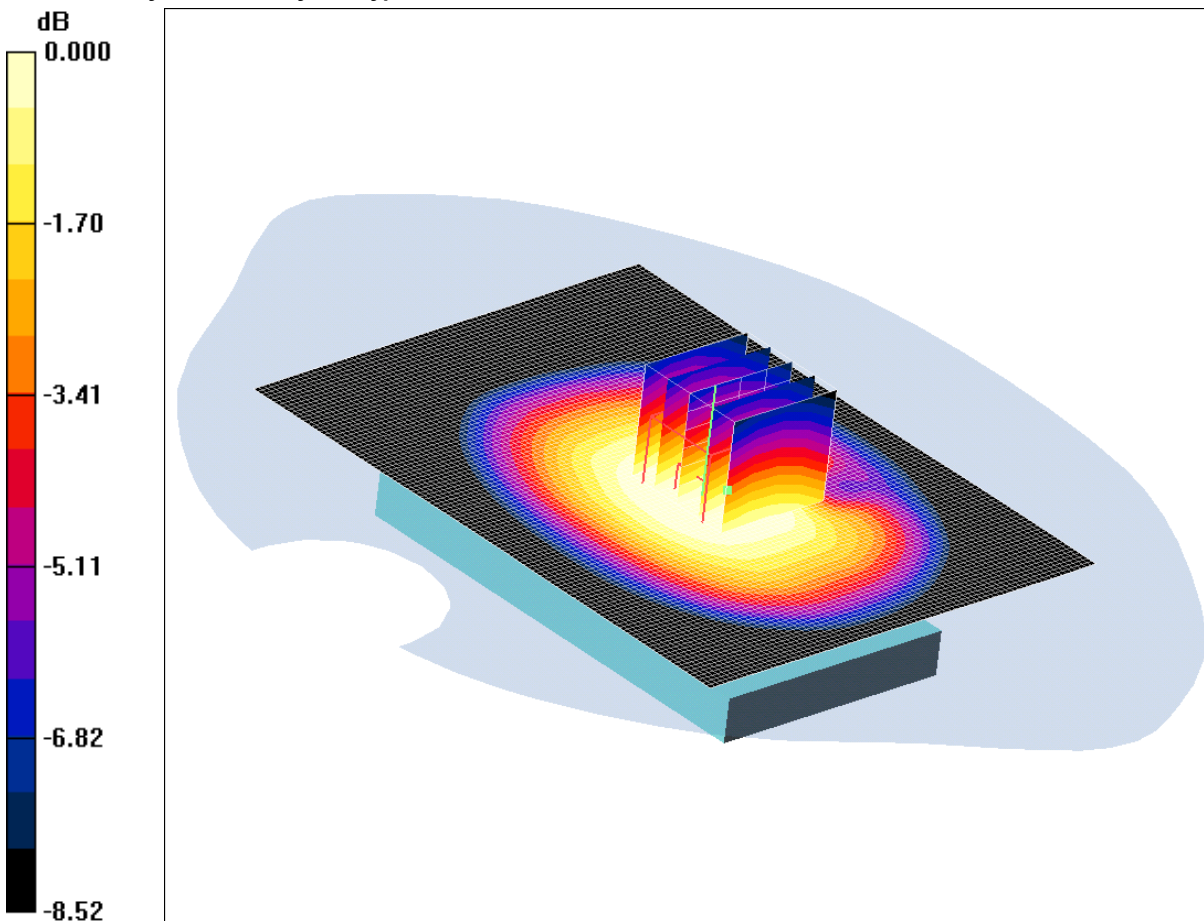
SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.938 mW/g

Maximum value of SAR (measured) = 1.27 mW/g

SCN/85119JD02/024: Front of EUT Facing Phantom EDGE CH251

Date 13/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 1.18mW/g

Communication System: EDGE 850 MHz 4TX; Frequency: 848.8 MHz; Duty Cycle: 1:2

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 1.03$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Front of EUT Facing Phantom - High 2/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.27 mW/g

Front of EUT Facing Phantom - High 2/Zoom Scan (5x5x7) 2 2 2 (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm

Reference Value = 36.4 V/m; Power Drift = -0.186 dB

Peak SAR (extrapolated) = 1.32 W/kg

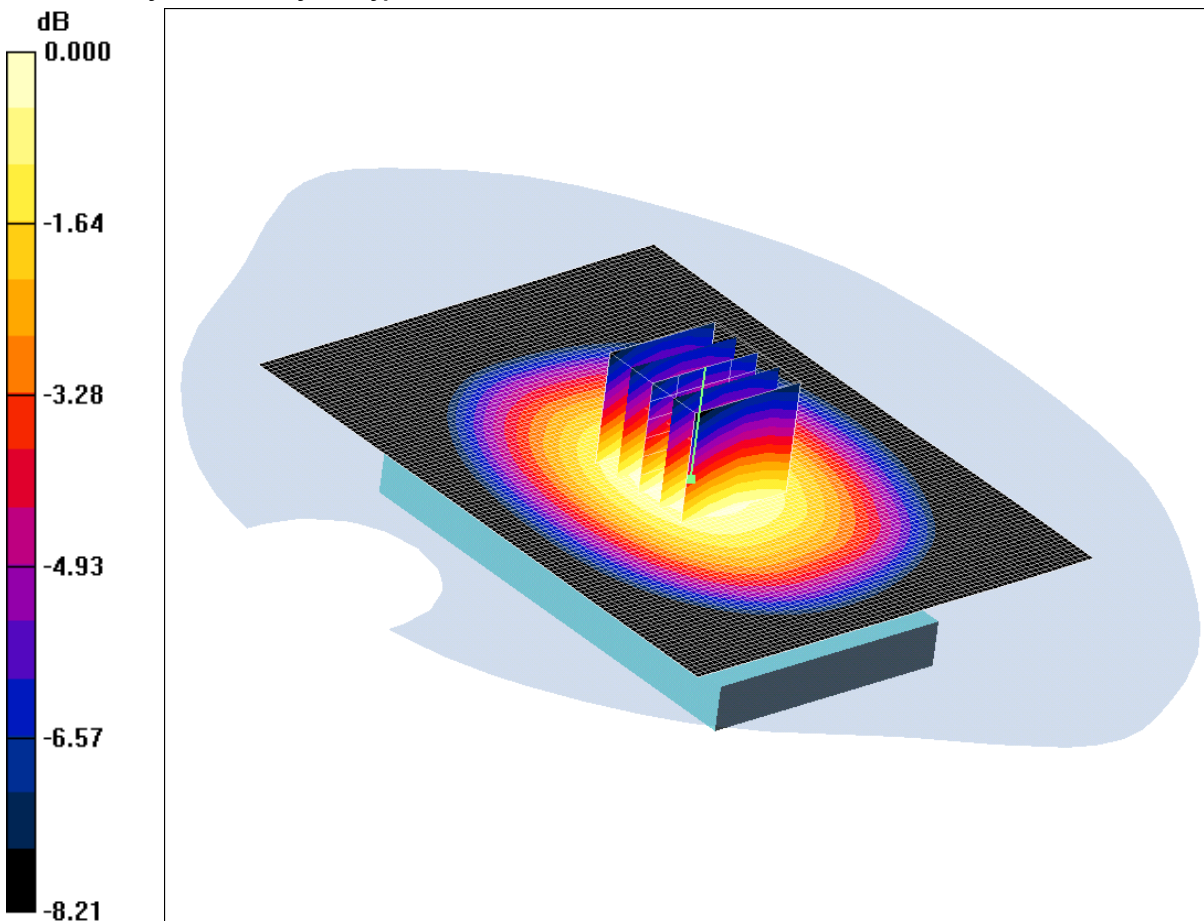
SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.870 mW/g

Maximum value of SAR (measured) = 1.18 mW/g

SCN/85119JD02/025: Front of EUT Facing Phantom GSM CH190

Date 13/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 0.822mW/g

Communication System: GSM 850 MHz; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 1.02$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Front of EUT Facing Phantom - Middle/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.799 mW/g

Front of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.0 V/m; Power Drift = 0.159 dB

Peak SAR (extrapolated) = 0.937 W/kg

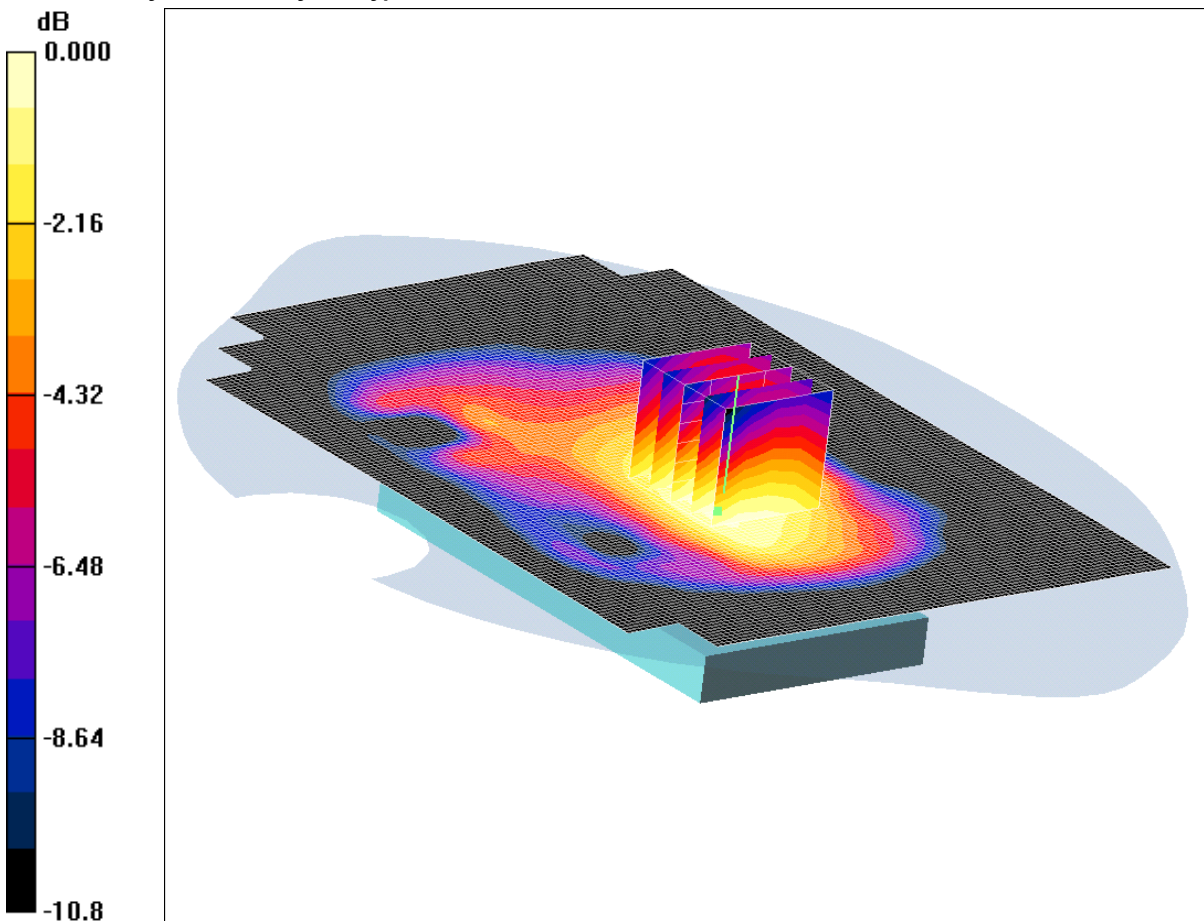
SAR(1 g) = 0.787 mW/g; SAR(10 g) = 0.604 mW/g

Maximum value of SAR (measured) = 0.822 mW/g

SCN/85119JD02/026: Front of EUT Facing Phantom With PHF EDGE CH190

Date 13/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 1.17mW/g

Communication System: EDGE 850 MHz 4TX; Frequency: 836.6 MHz; Duty Cycle: 1:2

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 1.02$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Front of EUT Facing Phantom With PHF - Middle/Area Scan (101x141x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.02 mW/g

Front of EUT Facing Phantom With PHF - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.6 V/m; Power Drift = -0.100 dB

Peak SAR (extrapolated) = 1.28 W/kg

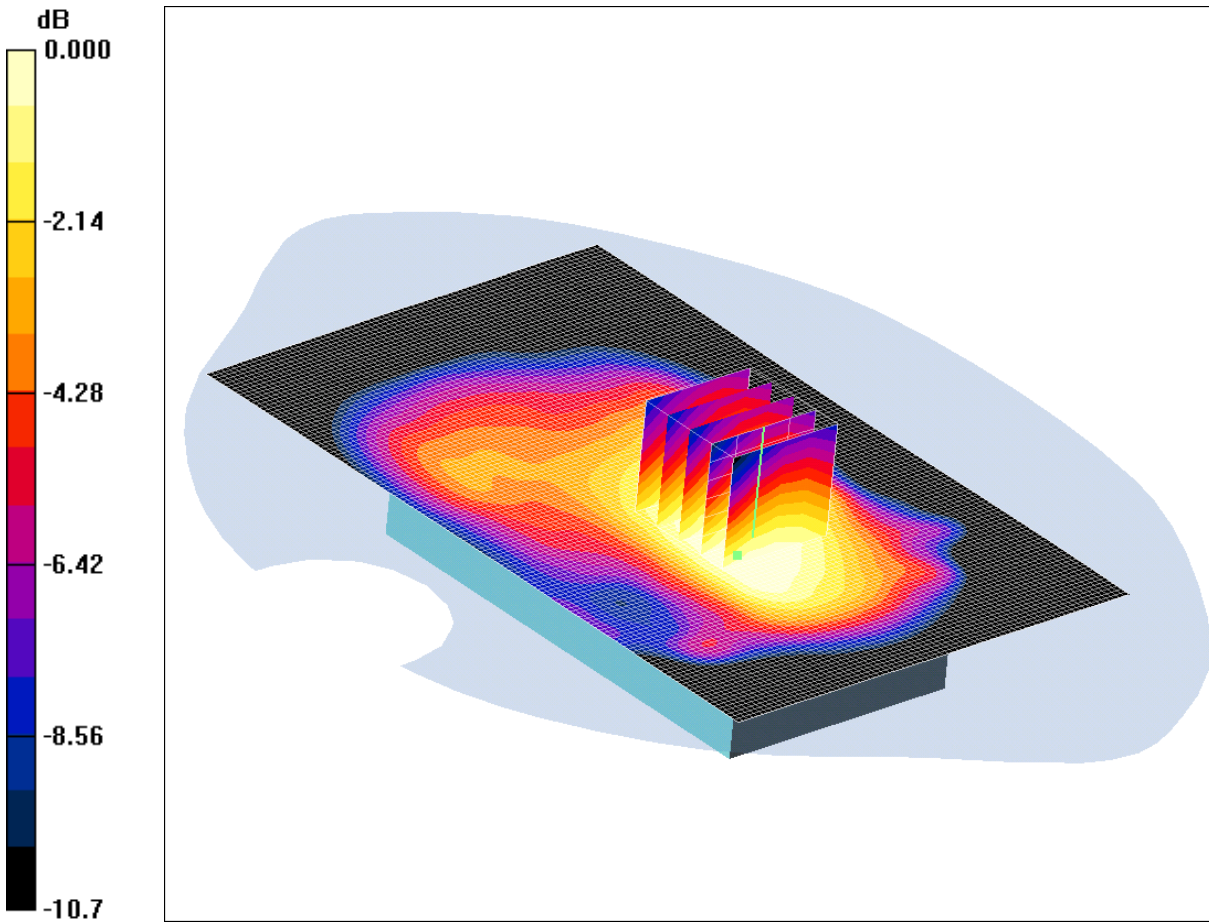
SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.876 mW/g

Maximum value of SAR (measured) = 1.17 mW/g

SCN/85119JD02/027: Front of EUT Facing Phantom With PHF EDGE CH128

Date 13/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 1.20mW/g

Communication System: EDGE 850 MHz 4TX; Frequency: 824.2 MHz; Duty Cycle: 1:2

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 1.02$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Front of EUT Facing Phantom With PHF - Low/Area Scan (81x131x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.22 mW/g

Front of EUT Facing Phantom With PHF - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.4 V/m; Power Drift = 0.022 dB

Peak SAR (extrapolated) = 1.31 W/kg

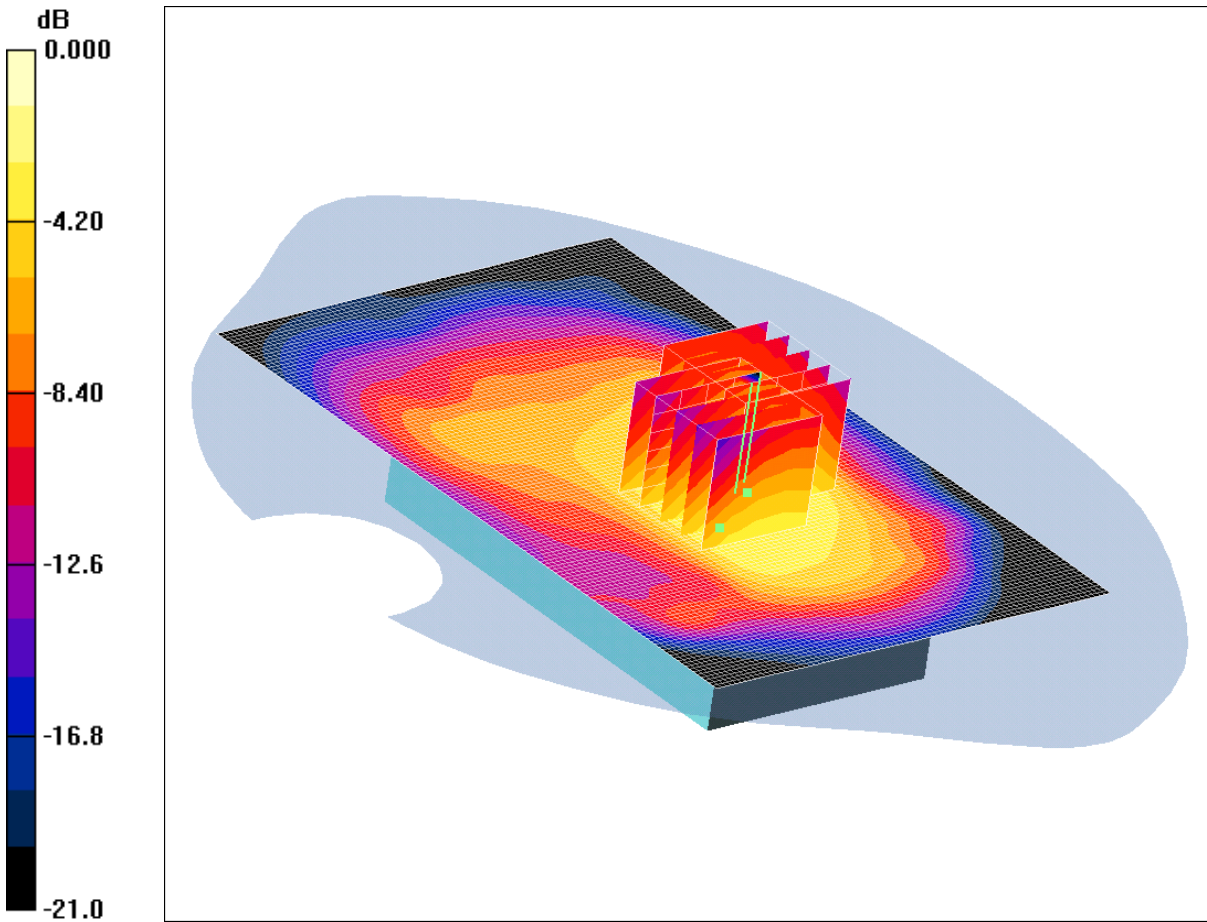
SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.891 mW/g

Maximum value of SAR (measured) = 1.20 mW/g

SCN/85119JD02/028: Front of EUT Facing Phantom With PHF EDGE CH251

Date 13/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 2.00mW/g

Communication System: EDGE 850 MHz 4TX; Frequency: 848.8 MHz; Duty Cycle: 1:2

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 1.03$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Front of EUT Facing Phantom With PHF - High /Area Scan (81x131x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.19 mW/g

Front of EUT Facing Phantom With PHF - High /Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.8 V/m; Power Drift = -0.105 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.827 mW/g

Maximum value of SAR (measured) = 1.09 mW/g

Front of EUT Facing Phantom With PHF - High /Zoom Scan (5x5x7) (5x5x7)/Cube 1: Measurement grid:

dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.8 V/m; Power Drift = -0.105 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.788 mW/g

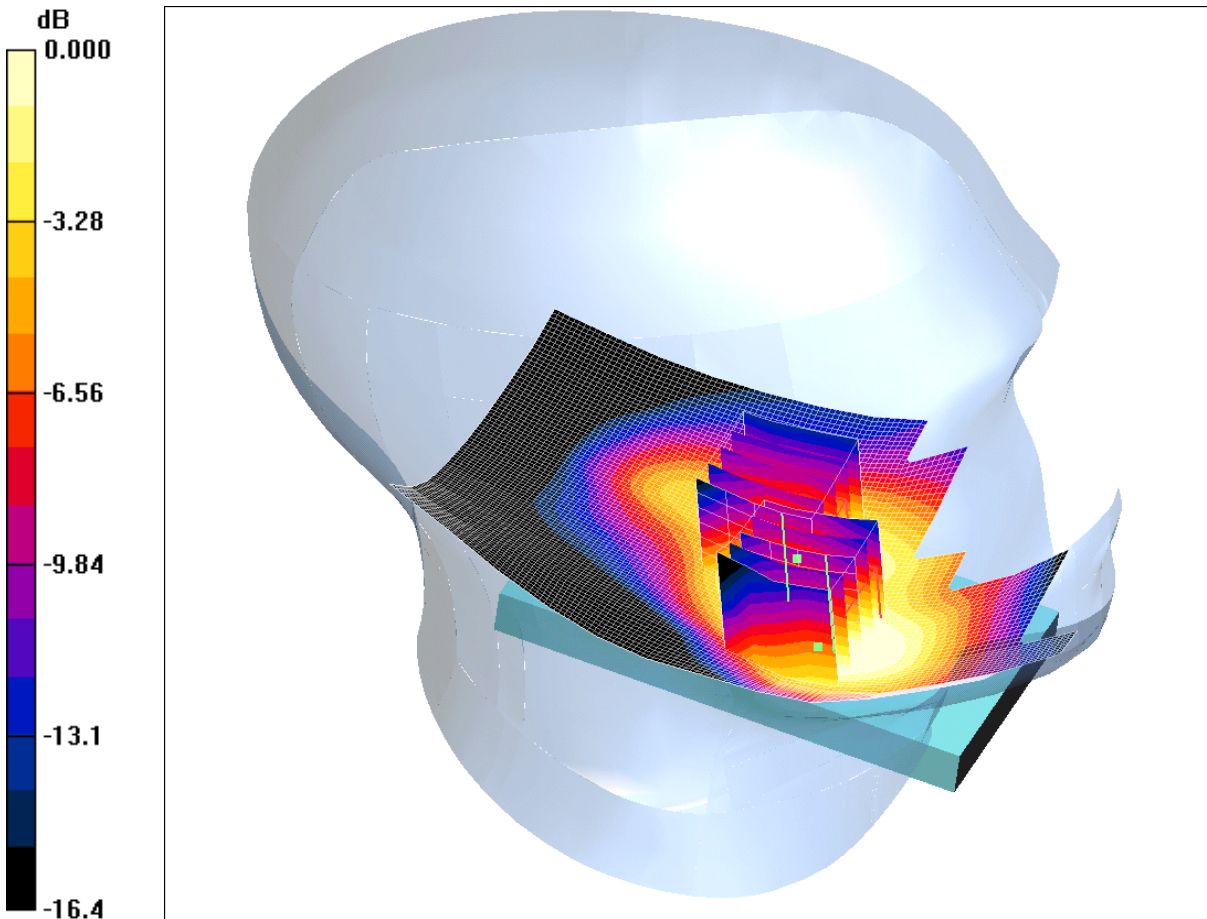
Maximum value of SAR (measured) = 1.06 mW/g

Note: DASY system is configured to measure any secondary maxima that are within 2dB of the measured SAR level.

SCN/85119JD02/029: Touch Left PCS CH661

Date 01/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 0.596mW/g

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: 1900 MHz HSL Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 38.8$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.81, 4.81, 4.81); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Left - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.746 mW/g

Touch Left - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.95 V/m; Power Drift = -0.126 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.681 mW/g; SAR(10 g) = 0.422 mW/g

Maximum value of SAR (measured) = 0.737 mW/g

Touch Left - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.95 V/m; Power Drift = -0.126 dB

Peak SAR (extrapolated) = 0.767 W/kg

SAR(1 g) = 0.542 mW/g; SAR(10 g) = 0.370 mW/g

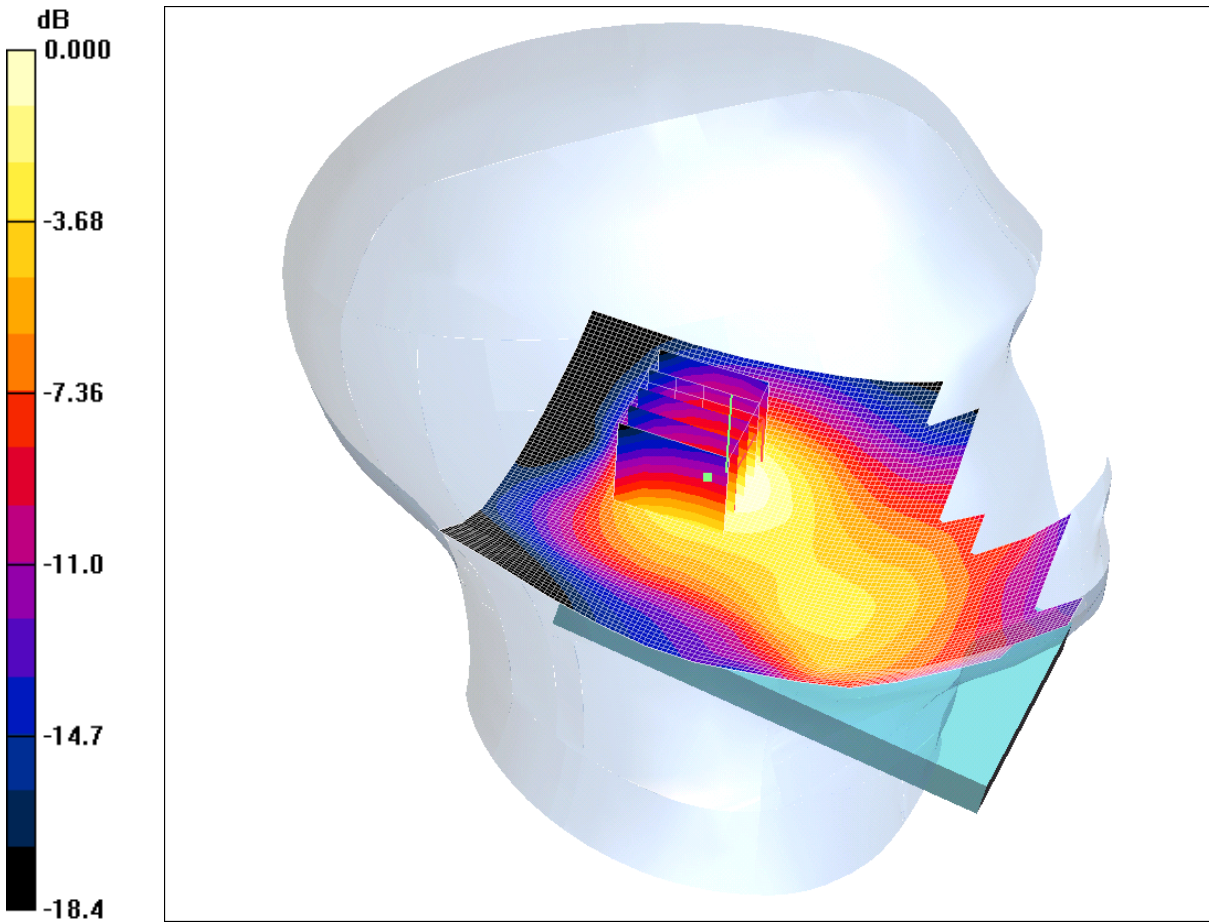
Maximum value of SAR (measured) = 0.596 mW/g

Note: DASY system is configured to measure any secondary maxima that are within 2dB of the measured SAR level.

SCN/85119JD02/030: Tilt Left PCS CH661

Date 01/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 0.312mW/g

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: 1900 MHz HSL Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 38.8$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.81, 4.81, 4.81); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Tilt Left - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.365 mW/g

Tilt Left - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.1 V/m; Power Drift = -0.163 dB

Peak SAR (extrapolated) = 0.451 W/kg

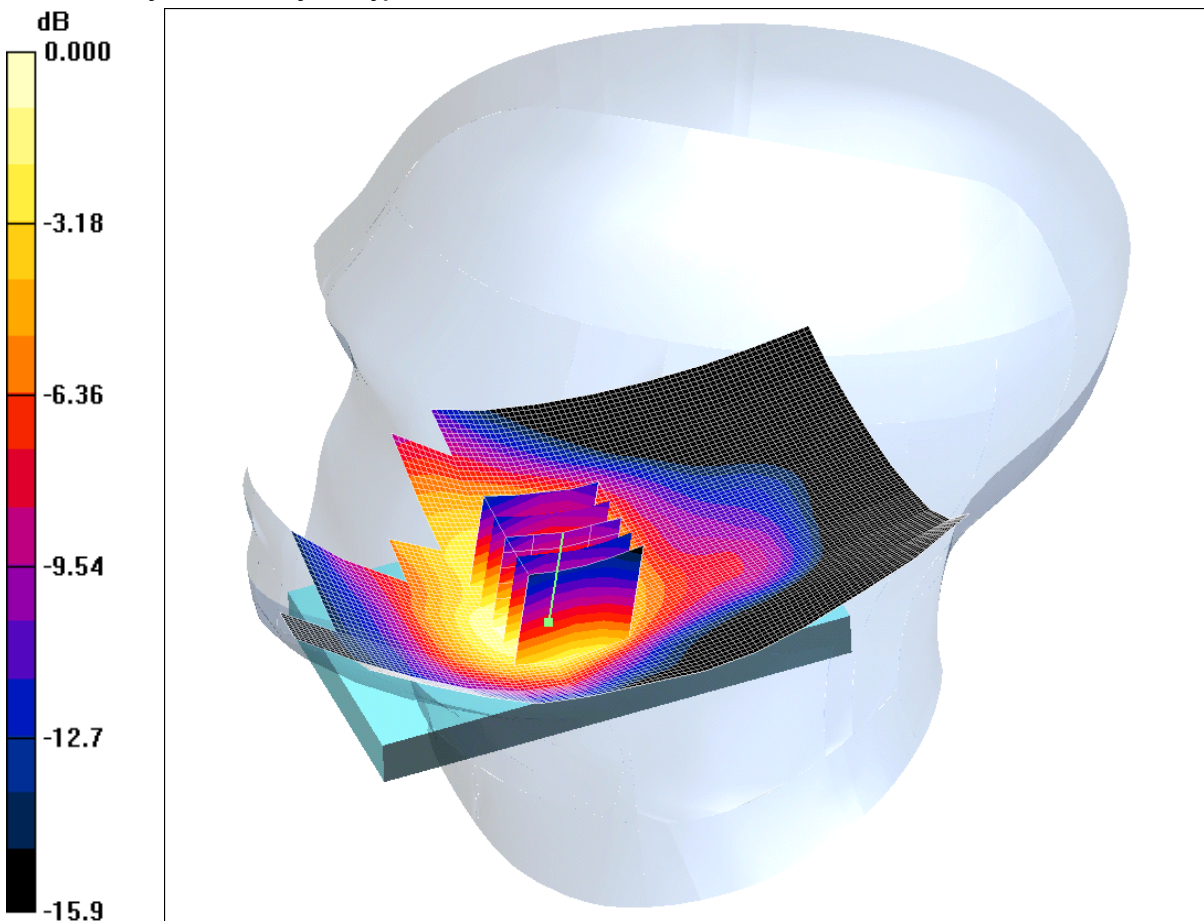
SAR(1 g) = 0.299 mW/g; SAR(10 g) = 0.181 mW/g

Maximum value of SAR (measured) = 0.312 mW/g

SCN/85119JD02/031: Touch Right PCS CH661

Date: 02/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 0.714mW/g

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: 1900 MHz HSL Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 38.8$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.81, 4.81, 4.81); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Right - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.721 mW/g

Touch Right - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.15 V/m; Power Drift = -0.104 dB

Peak SAR (extrapolated) = 0.946 W/kg

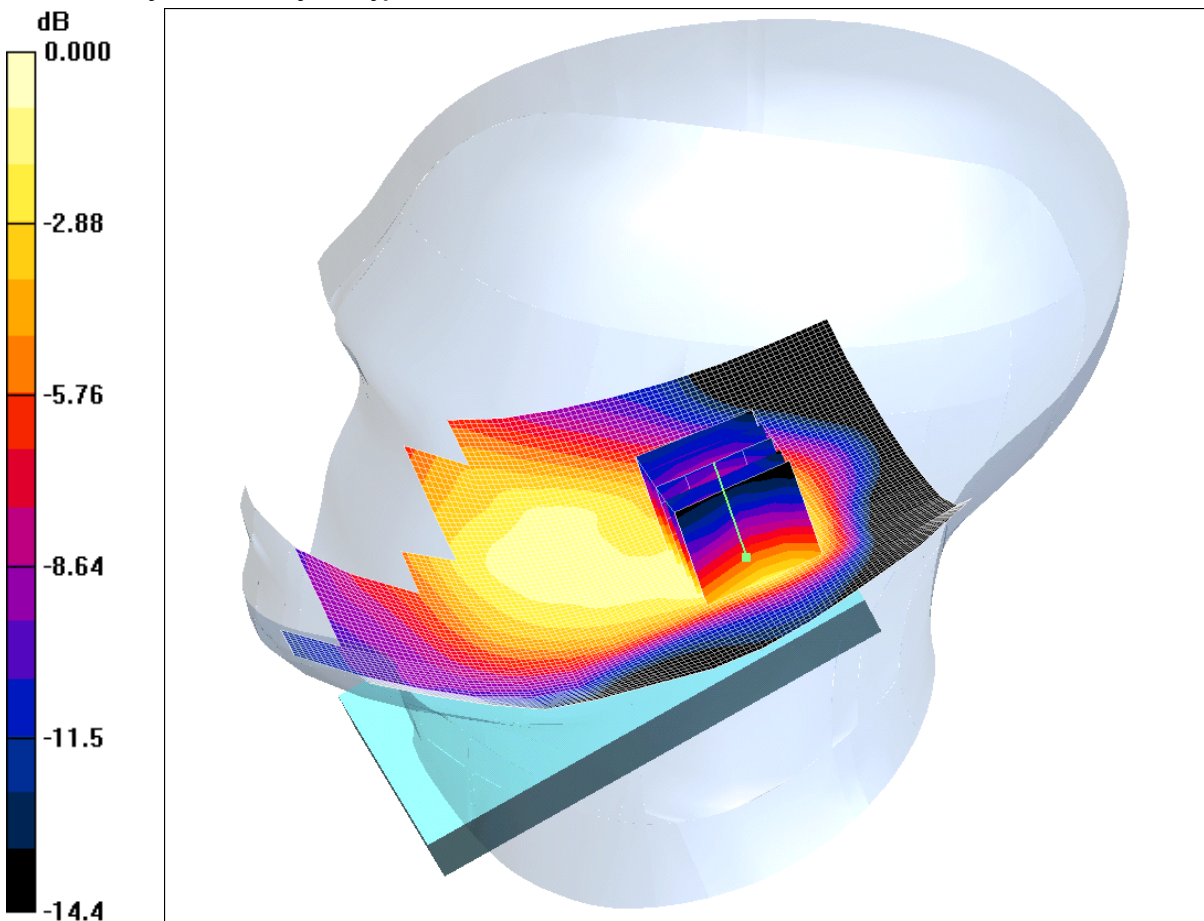
SAR(1 g) = 0.670 mW/g; SAR(10 g) = 0.431 mW/g

Maximum value of SAR (measured) = 0.714 mW/g

SCN/85119JD02/032: Tilt Right PCS CH661

Date: 02/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 0.220mW/g

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: 1900 MHz HSL Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 38.8$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.81, 4.81, 4.81); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Tilt Right - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.229 mW/g

Tilt Right - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.4 V/m; Power Drift = -0.134 dB

Peak SAR (extrapolated) = 0.297 W/kg

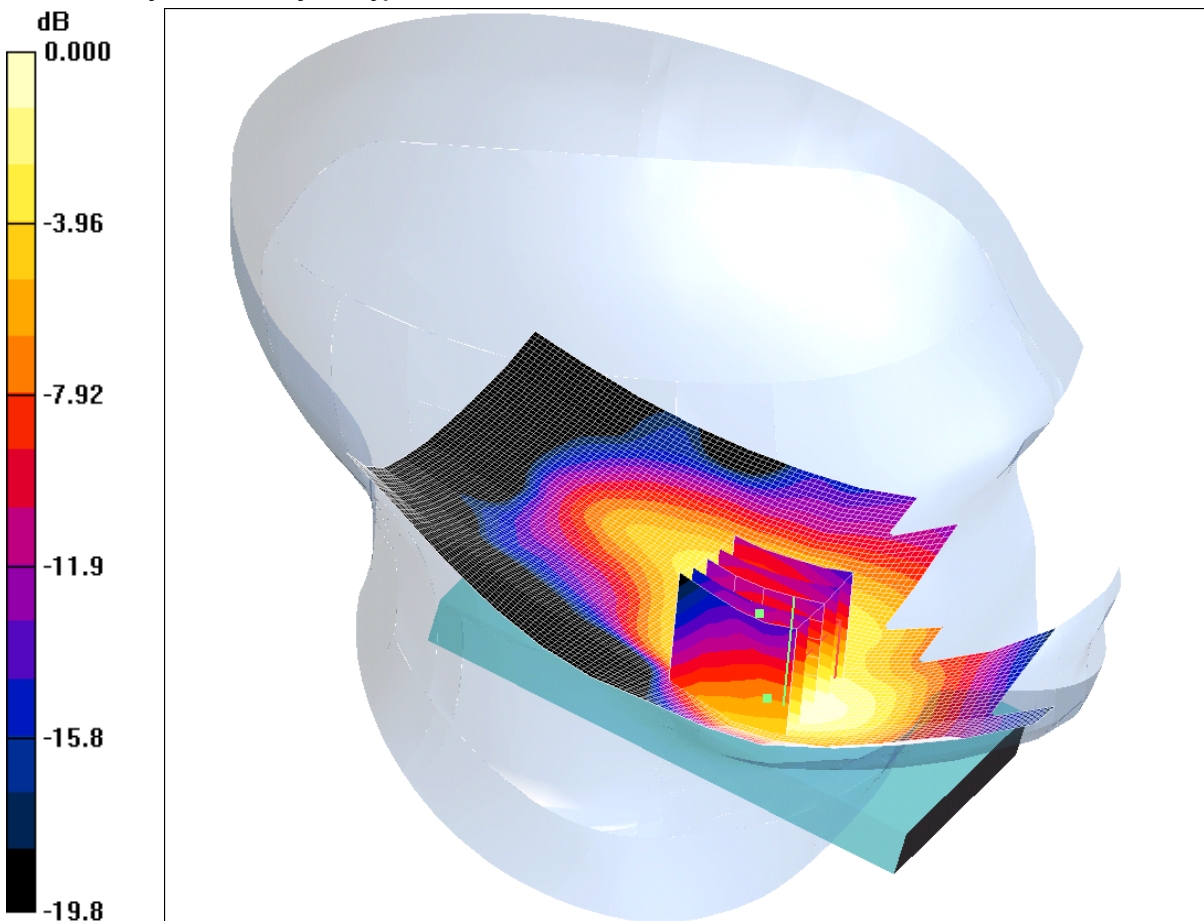
SAR(1 g) = 0.201 mW/g; SAR(10 g) = 0.126 mW/g

Maximum value of SAR (measured) = 0.220 mW/g

SCN/85119JD02/033: Touch Left PCS CH512

Date: 02/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 0.741mW/g

Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: 1900 MHz HSL Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 38.9$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.81, 4.81, 4.81); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Left - Low/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.755 mW/g

Touch Left - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.94 V/m; Power Drift = 0.041 dB

Peak SAR (extrapolated) = 1.07 W/kg

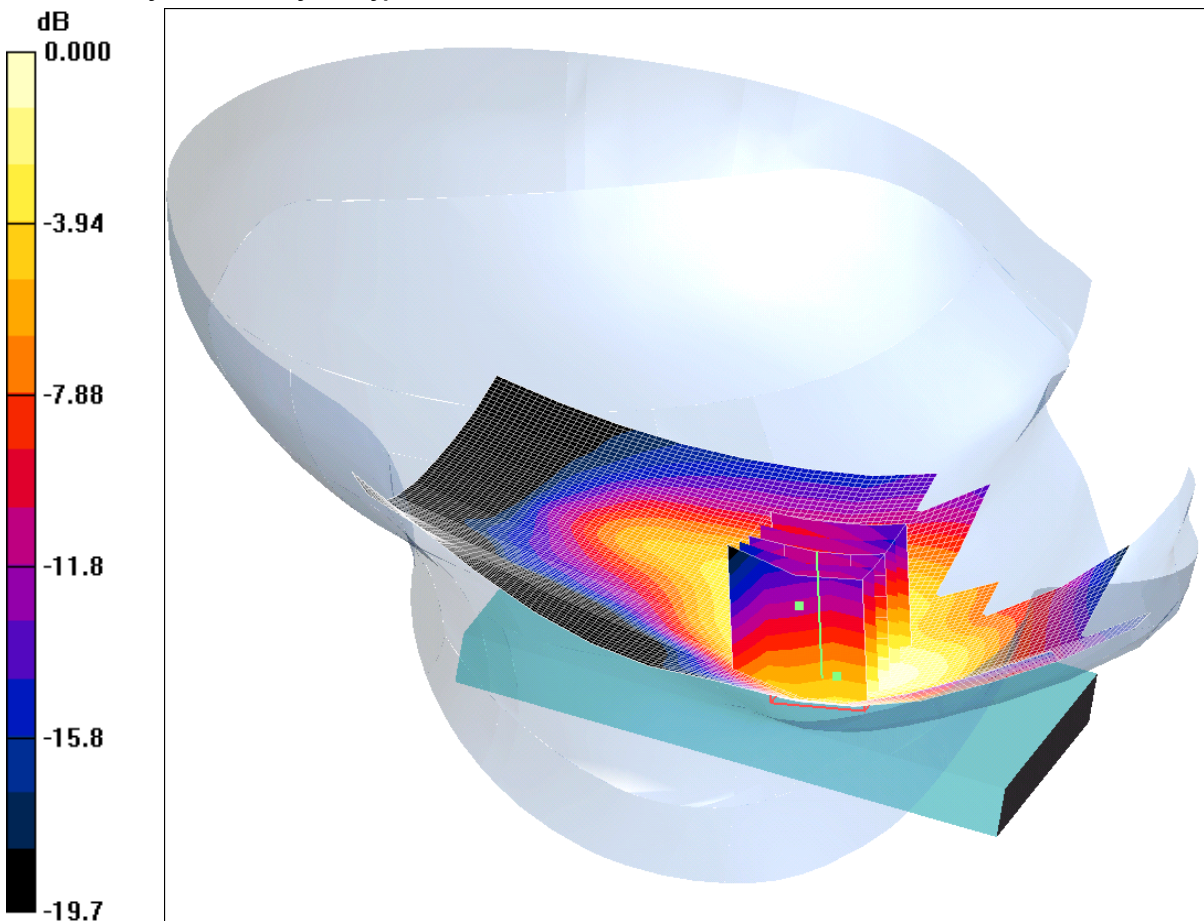
SAR(1 g) = 0.683 mW/g; SAR(10 g) = 0.426 mW/g

Maximum value of SAR (measured) = 0.741 mW/g

SCN/85119JD02/034: Touch Left PCS CH810

Date: 02/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 0.781mW/g

Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: 1900 MHz HSL Medium parameters used (interpolated): $f = 1909.8$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 38.6$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.81, 4.81, 4.81); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Left - High/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.808 mW/g

Touch Left - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.45 V/m; Power Drift = -0.158 dB

Peak SAR (extrapolated) = 1.10 W/kg

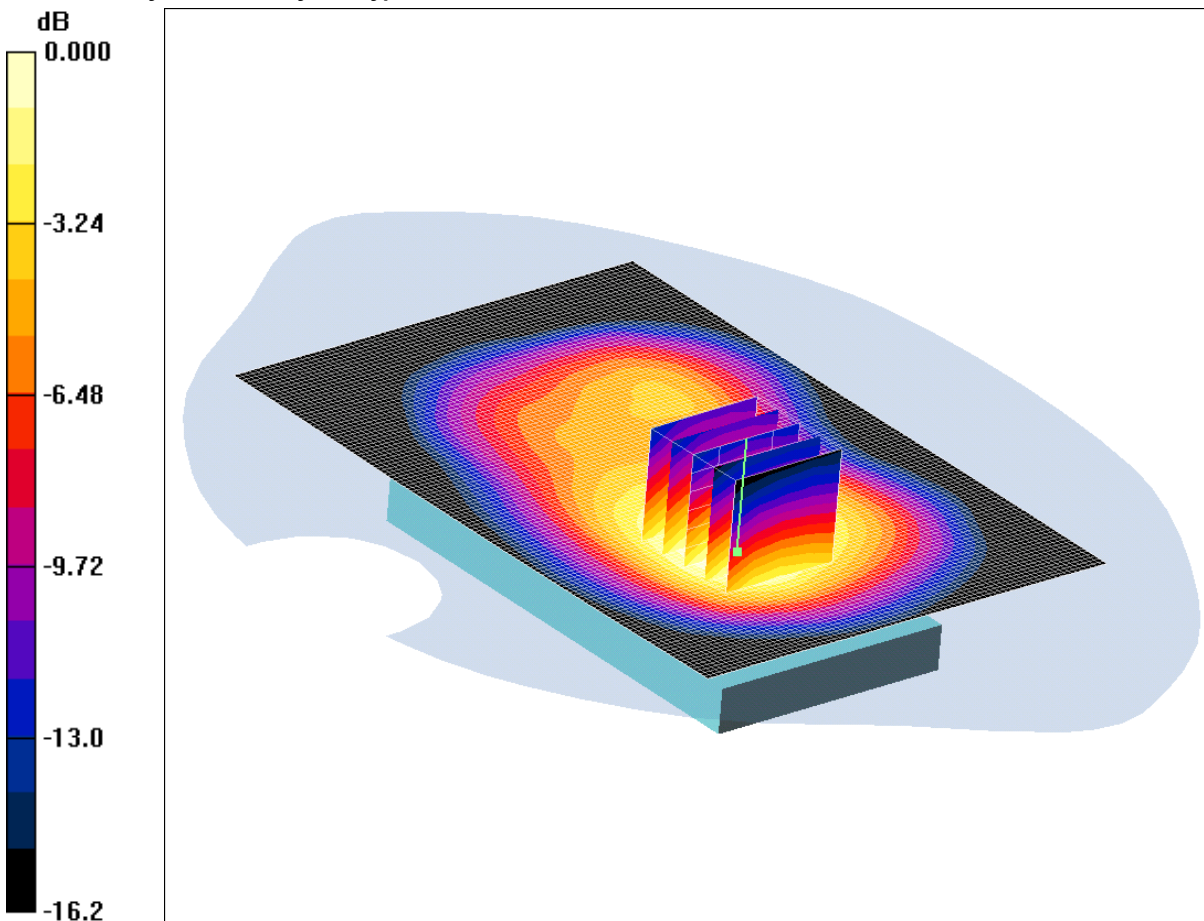
SAR(1 g) = 0.720 mW/g; SAR(10 g) = 0.443 mW/g

Maximum value of SAR (measured) = 0.781 mW/g

SCN/85119JD02/035: Front of EUT Facing Phantom GPRS CH661

Date 02/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 0.906mW/g

Communication System: GPRS 1900 4Tx; Frequency: 1880 MHz; Duty Cycle: 1:2

Medium: 1900 MHz MSL Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.37, 4.37, 4.37); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Front of EUT Facing Phantom - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.01 mW/g

Front of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.4 V/m; Power Drift = -0.049 dB

Peak SAR (extrapolated) = 1.33 W/kg

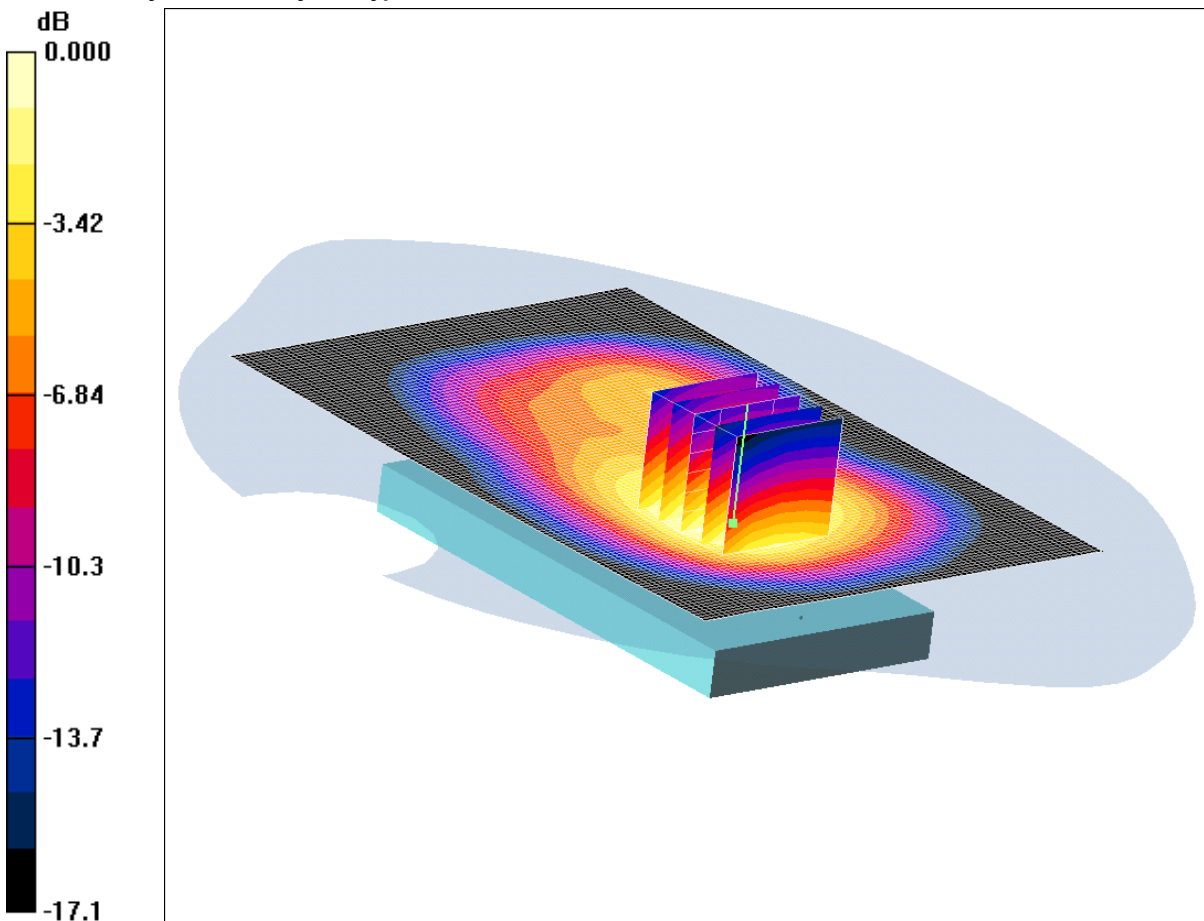
SAR(1 g) = 0.842 mW/g; SAR(10 g) = 0.531 mW/g

Maximum value of SAR (measured) = 0.906 mW/g

SCN/85119JD02/036: Front of EUT Facing Phantom GPRS CH512

Date 02/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 1.05mW/g

Communication System: GPRS 1900 4Tx; Frequency: 1850.2 MHz; Duty Cycle: 1:2

Medium: 1900 MHz MSL Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.37, 4.37, 4.37); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Front of EUT Facing Phantom - Low/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.12 mW/g

Front of EUT Facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.3 V/m; Power Drift = 0.002 dB

Peak SAR (extrapolated) = 1.52 W/kg

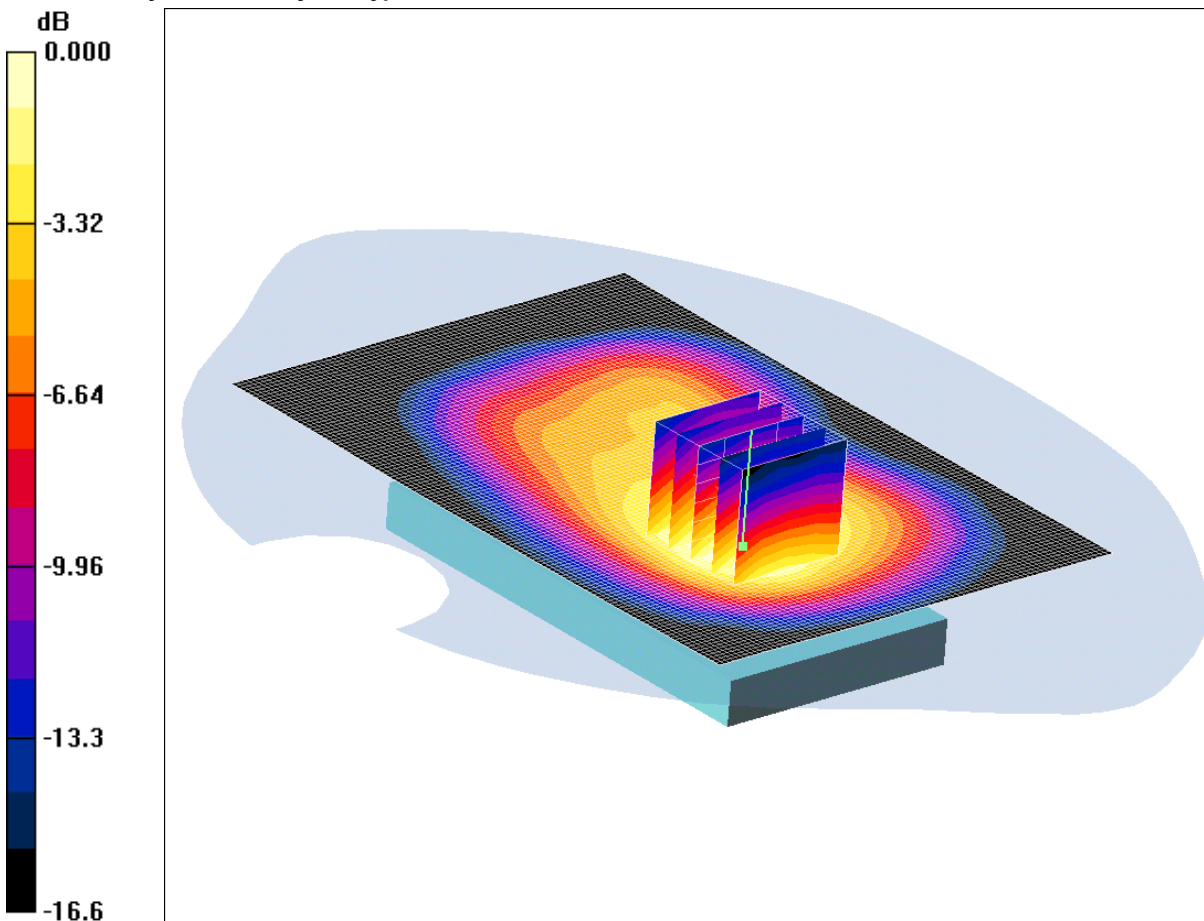
SAR(1 g) = 0.979 mW/g; SAR(10 g) = 0.619 mW/g

Maximum value of SAR (measured) = 1.05 mW/g

SCN/85119JD02/037: Front of EUT Facing Phantom GPRS CH810

Date 02/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 0.859mW/g

Communication System: GPRS 1900 4Tx; Frequency: 1909.8 MHz; Duty Cycle: 1:2

Medium: 1900 MHz MSL Medium parameters used (interpolated): $f = 1909.8$ MHz; $\sigma = 1.58$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.37, 4.37, 4.37); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Front of EUT Facing Phantom - High/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.928 mW/g

Front of EUT Facing Phantom - High/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.7 V/m; Power Drift = -0.145 dB

Peak SAR (extrapolated) = 1.30 W/kg

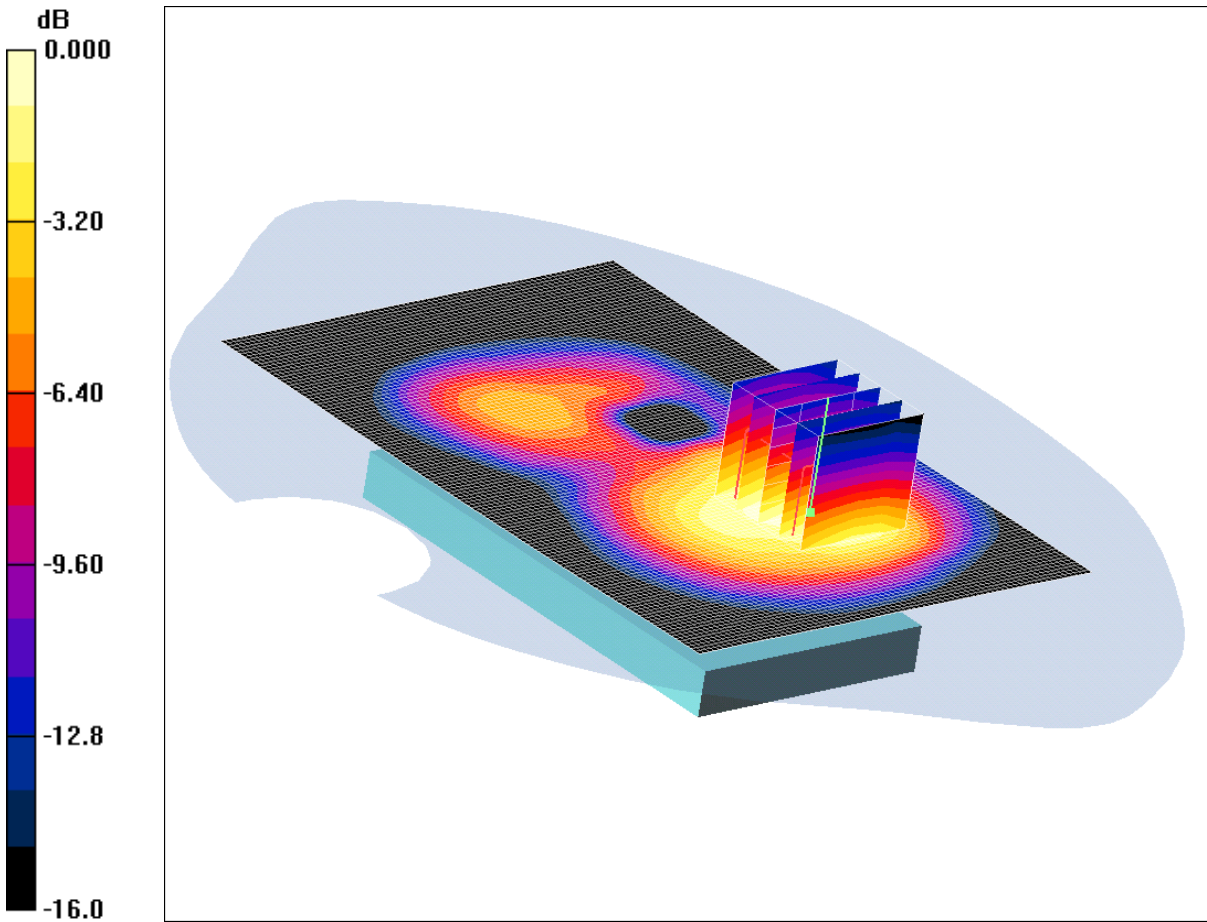
SAR(1 g) = 0.799 mW/g; SAR(10 g) = 0.491 mW/g

Maximum value of SAR (measured) = 0.859 mW/g

SCN/85119JD02/038: Rear of EUT Facing Phantom GPRS CH661

Date 02/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 1.05mW/g

Communication System: GPRS 1900 4Tx; Frequency: 1880 MHz; Duty Cycle: 1:2

Medium: 1900 MHz MSL Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.37, 4.37, 4.37); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.03 mW/g

Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.6 V/m; Power Drift = -0.134 dB

Peak SAR (extrapolated) = 1.45 W/kg

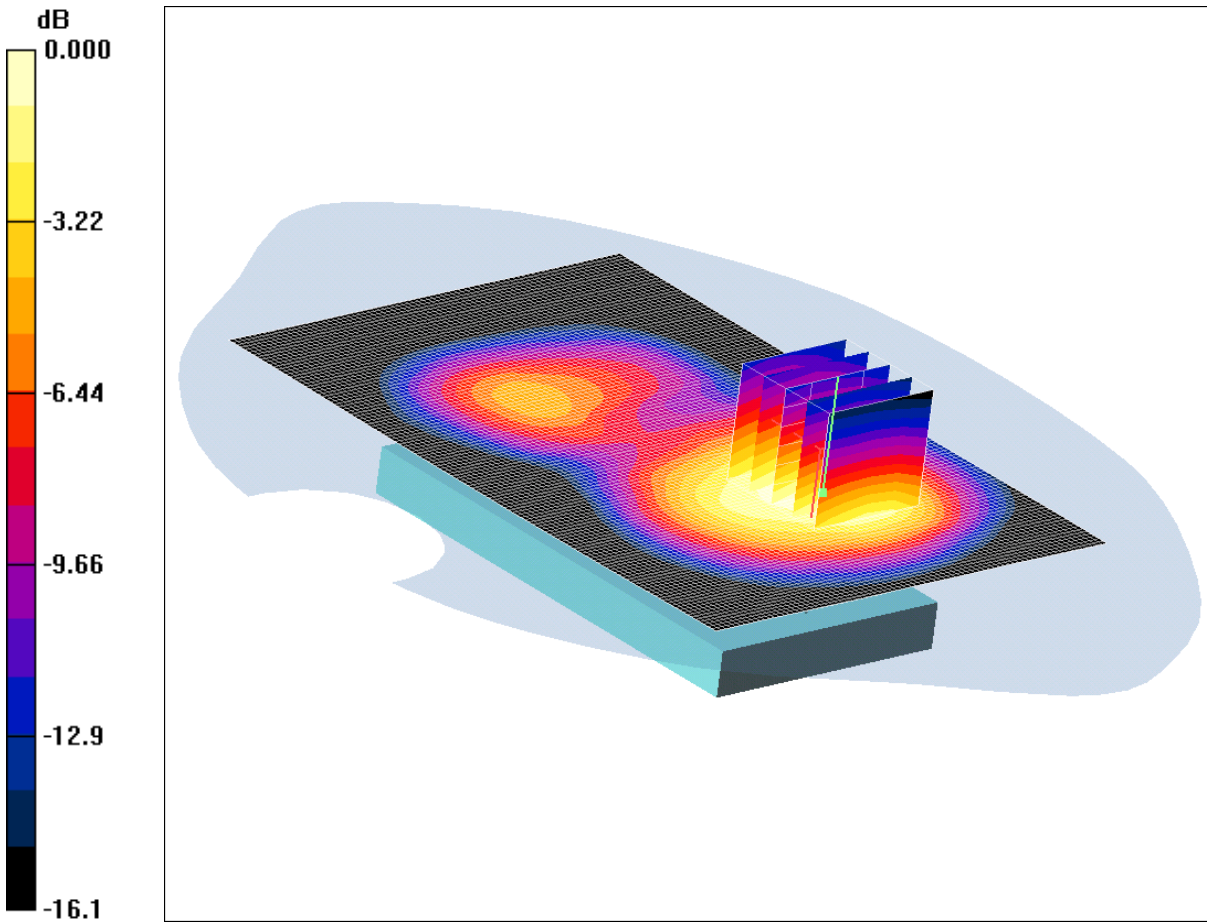
SAR(1 g) = 0.967 mW/g; SAR(10 g) = 0.603 mW/g

Maximum value of SAR (measured) = 1.05 mW/g

SCN/85119JD02/039: Rear of EUT Facing Phantom GPRS CH512

Date 02/12/2011

DUT: Sony Ericsson Hayate; Type: SO-I12; Serial: CB511VD0D5



0 dB = 1.29mW/g

Communication System: GPRS 1900 4Tx; Frequency: 1850.2 MHz; Duty Cycle: 1:2

Medium: 1900 MHz MSL Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.37, 4.37, 4.37); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Low/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.28 mW/g

Rear of EUT Facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.6 V/m; Power Drift = 0.138 dB

Peak SAR (extrapolated) = 1.78 W/kg

SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.738 mW/g

Maximum value of SAR (measured) = 1.29 mW/g