

Date/Time: 6/14/2011 1:47:06 PM

Test Laboratory: Sony Ericsson Mobile Communications

**Mugua-Body-Flat15mm-GSM1900-EGPRS-High****DUT: Mugua; Type: DUT; Serial: #20352**

Communication System: GPRS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15

Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.54$  mho/m;  $\epsilon_r = 51.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(4.23, 4.23, 4.23); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: SAM with CRP (High Band Body); Type: SAM; Serial: TP: 1020
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172

**Body 4 EDGE/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

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

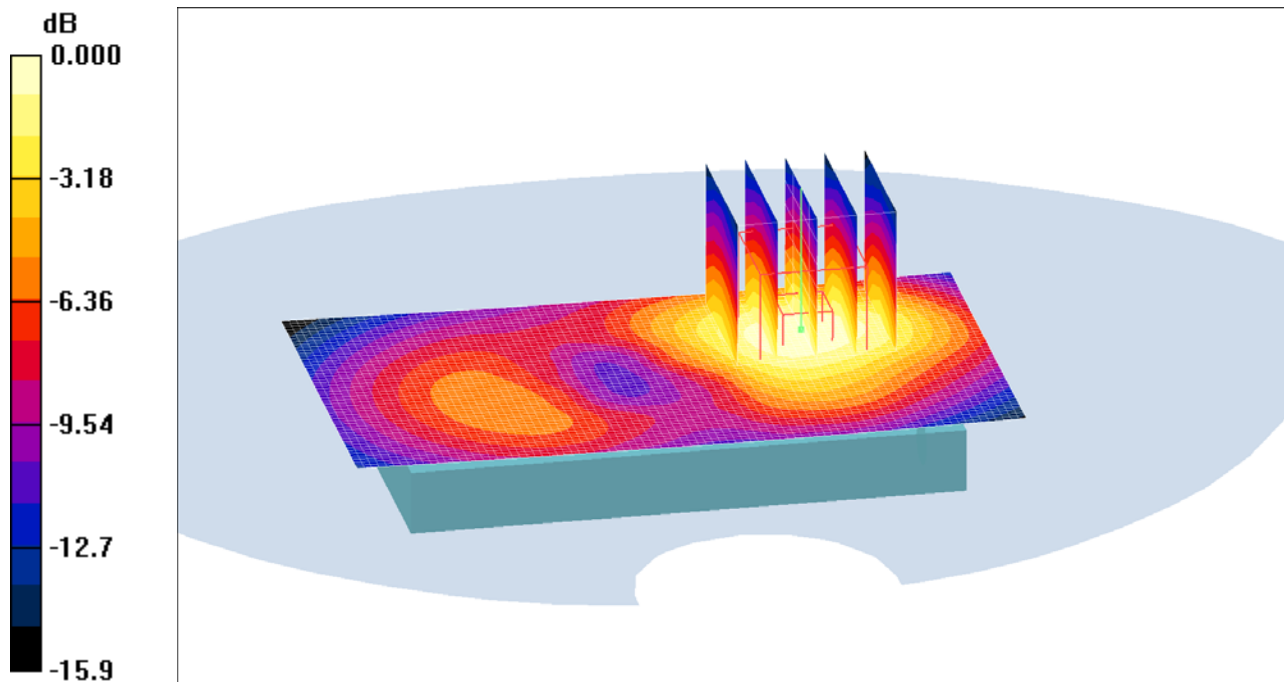
**Body 4 EDGE/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.3 V/m; Power Drift = -0.190 dB

Peak SAR (extrapolated) = 1.52 W/kg

**SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.616 mW/g**

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



0 dB = 1.12mW/g

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Test Laboratory: Sony Ericsson Mobile Communications

**Mugua-Body-Flat15mm-GSM1900-EGPRS-Low****DUT: Mugua; Type: DUT; Serial: #20352**

Communication System: GPRS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.15  
 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.48$  mho/m;  $\epsilon_r = 52$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(4.23, 4.23, 4.23); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: SAM with CRP (High Band Body); Type: SAM; Serial: TP: 1020
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172

**Body 3 EDGE/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.10 mW/g

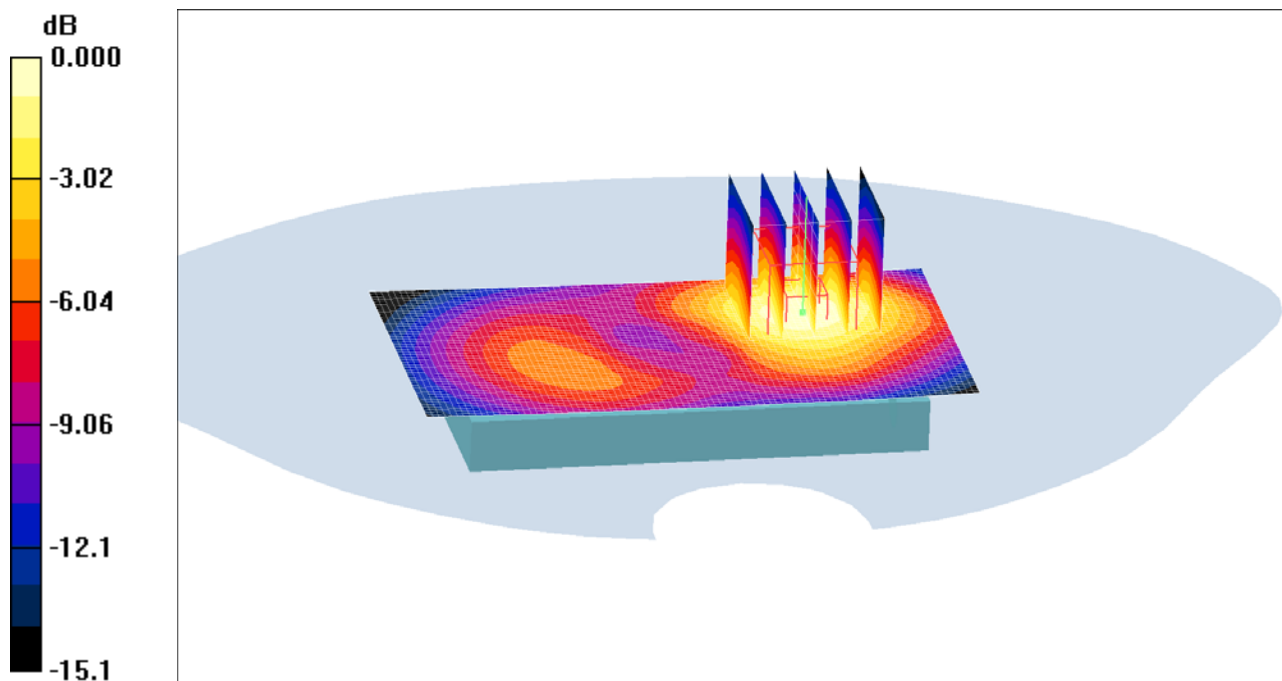
**Body 3 EDGE/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.97 V/m; Power Drift = -0.001 dB

Peak SAR (extrapolated) = 1.45 W/kg

**SAR(1 g) = 0.984 mW/g; SAR(10 g) = 0.590 mW/g**

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



0 dB = 1.09mW/g

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Test Laboratory: Sony Ericsson Mobile Communications

**Mugua-Body-Flat15mm-GSM1900-EGPRS-Mid****DUT: Mugua; Type: DUT; Serial: #20352**

Communication System: GPRS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 51.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(4.23, 4.23, 4.23); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: SAM with CRP (High Band Body); Type: SAM; Serial: TP: 1020
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172

**Body 2 EDGE/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

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

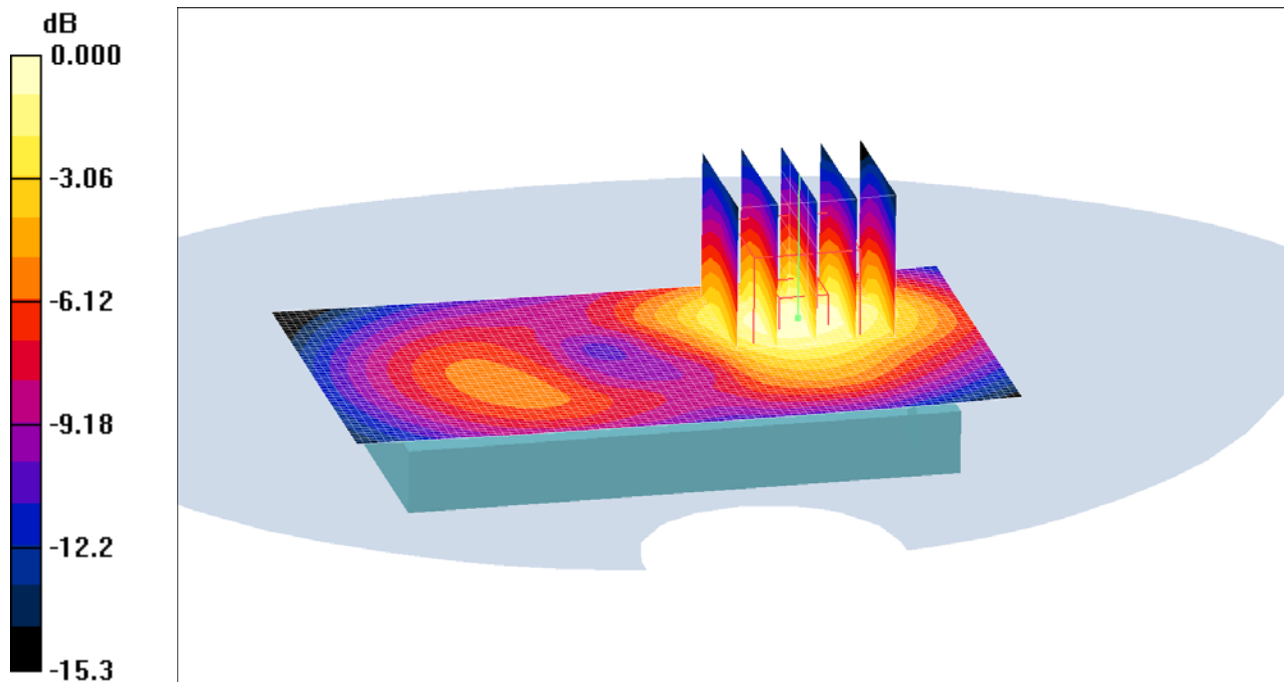
**Body 2 EDGE/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.89 V/m; Power Drift = -0.158 dB

Peak SAR (extrapolated) = 1.53 W/kg

**SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.627 mW/g**

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



0 dB = 1.17mW/g

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Test Laboratory: Sony Ericsson Mobile Communications

**Mugua-Body-Flat15mm-GSM1900-Speech-High****DUT: Mugua; Type: DUT; Serial: #20352**

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

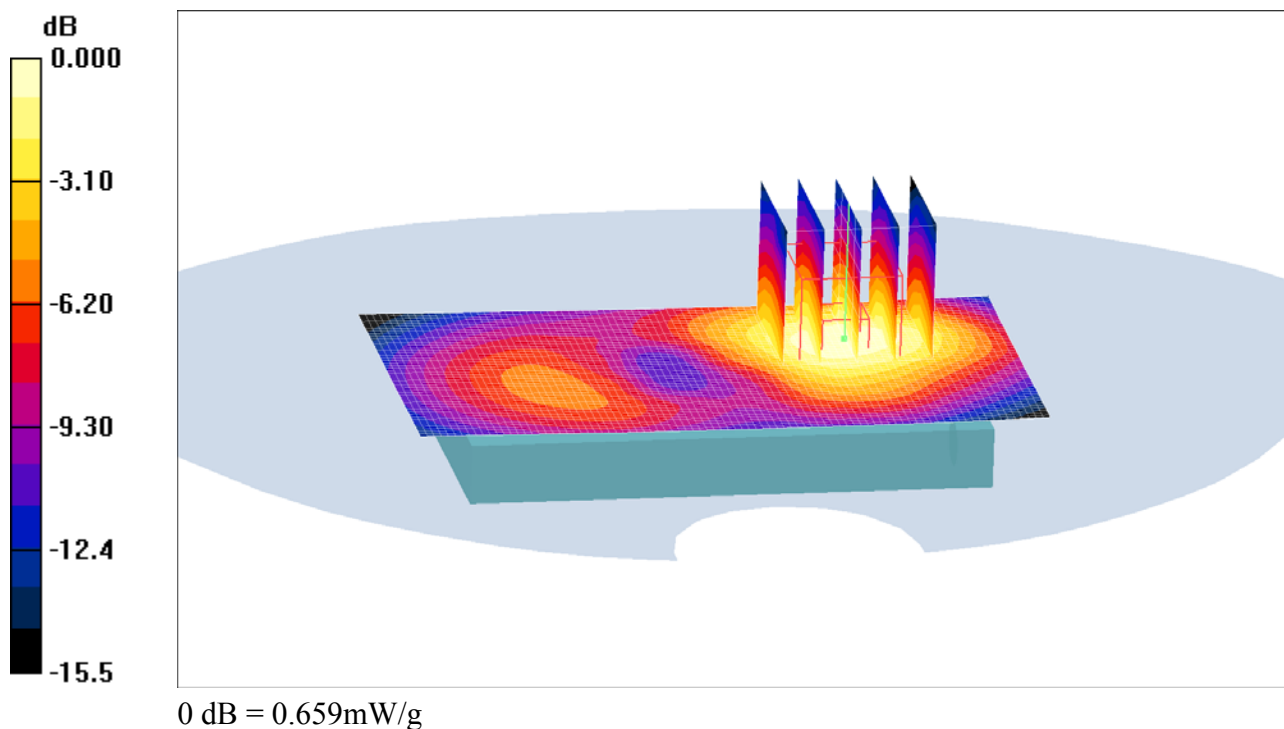
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.54$  mho/m;  $\epsilon_r = 51.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(4.23, 4.23, 4.23); Calibrated: 11/16/2010
  - Sensor-Surface: 4mm (Mechanical Surface Detection)
  - Electronics: DAE3 Sn415; Calibrated: 11/16/2010
  - Phantom: SAM with CRP (High Band Body); Type: SAM; Serial: TP: 1020
  - Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
- Body 3/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.664 mW/g
- Body 3/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 7.89 V/m; Power Drift = -0.123 dB  
Peak SAR (extrapolated) = 0.884 W/kg  
**SAR(1 g) = 0.596 mW/g; SAR(10 g) = 0.359 mW/g**  
Maximum value of SAR (measured) = 0.659 mW/g



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Test Laboratory: Sony Ericsson Mobile Communications

**Mugua-Body-Flat15mm-GSM850-GPRS-High****DUT: Mugua; Type: DUT; Serial: #20352**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:4.15

Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.984$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(5.66, 5.66, 5.66); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: SAM with CRP (Low Band Body); Type: SAM; Serial: TP: 1031
- Measurement SW: DASYS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172

**Body 4 GPRS/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.25 mW/g

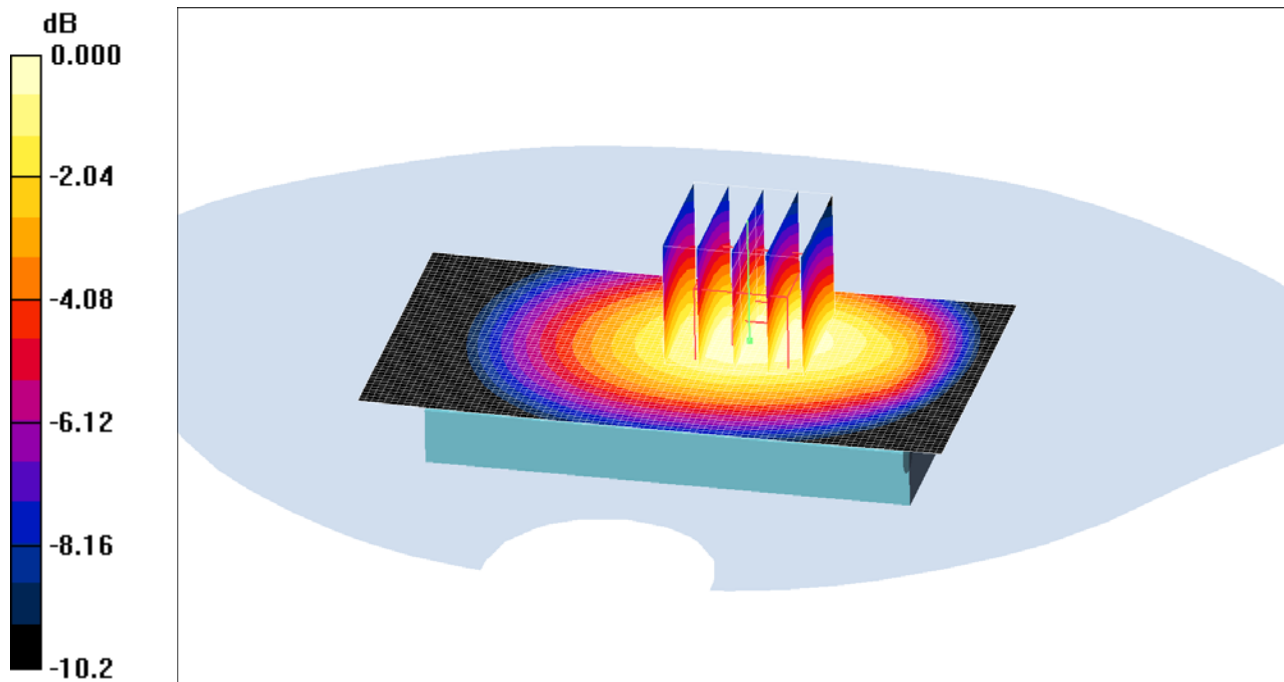
**Body 4 GPRS/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.8 V/m; Power Drift = 0.014 dB

Peak SAR (extrapolated) = 1.60 W/kg

**SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.844 mW/g**

Maximum value of SAR (measured) = 1.26 mW/g



0 dB = 1.26mW/g

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Test Laboratory: Sony Ericsson Mobile Communications

**Mugua-Body-Flat15mm-GSM850-GPRS-Low****DUT: Mugua; Type: DUT; Serial: #20352**

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:4.15

Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.96$  mho/m;  $\epsilon_r = 53$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(5.66, 5.66, 5.66); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: SAM with CRP (Low Band Body); Type: SAM; Serial: TP: 1031
- Measurement SW: DASYS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172

**Body 3 GPRS/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.770 mW/g

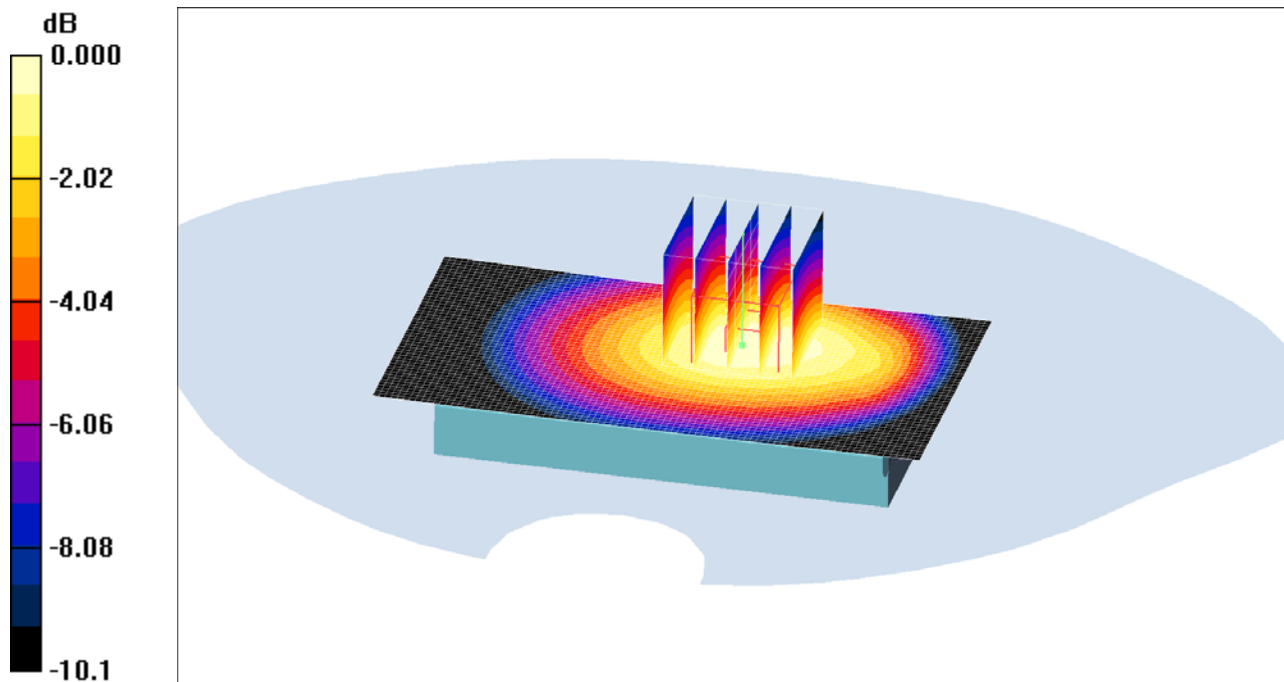
**Body 3 GPRS/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.4 V/m; Power Drift = -0.022 dB

Peak SAR (extrapolated) = 0.971 W/kg

**SAR(1 g) = 0.731 mW/g; SAR(10 g) = 0.520 mW/g**

Maximum value of SAR (measured) = 0.780 mW/g



0 dB = 0.780mW/g



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Test Laboratory: Sony Ericsson Mobile Communications

**Mugua-Body-Flat15mm-GSM850-GPRS-Mid****DUT: Mugua; Type: DUT; Serial: #20352**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:4.15

Medium parameters used:  $f = 836.851$  MHz;  $\sigma = 0.972$  mho/m;  $\epsilon_r = 52.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASy4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(5.66, 5.66, 5.66); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn415; Calibrated: 11/16/2010
- Phantom: SAM with CRP (Low Band Body); Type: SAM; Serial: TP: 1031
- Measurement SW: DASy4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172

**Body GPRS/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

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

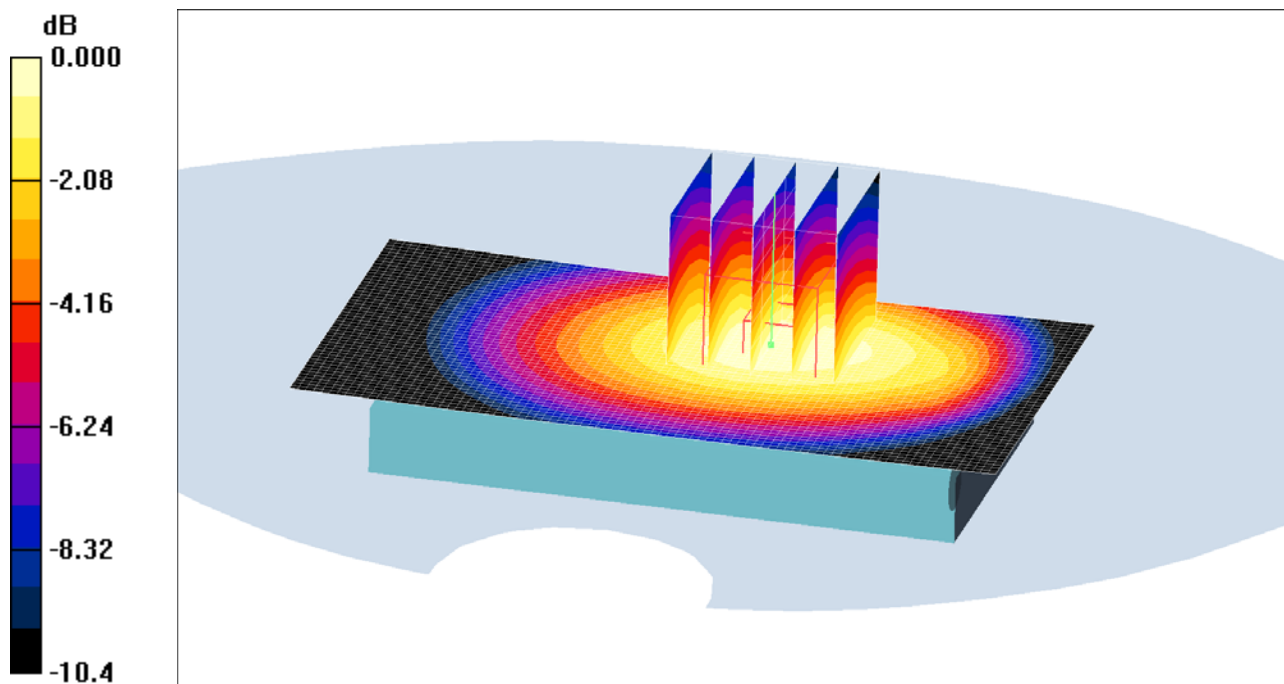
**Body GPRS/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.5 V/m; Power Drift = -0.046 dB

Peak SAR (extrapolated) = 1.28 W/kg

**SAR(1 g) = 0.966 mW/g; SAR(10 g) = 0.689 mW/g**

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



0 dB = 1.03mW/g

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Test Laboratory: Sony Ericsson Mobile Communications

**Mugua-Body-Flat15mm-GSM850-Speech-High****DUT: Mugua; Type: DUT; Serial: #20352**

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

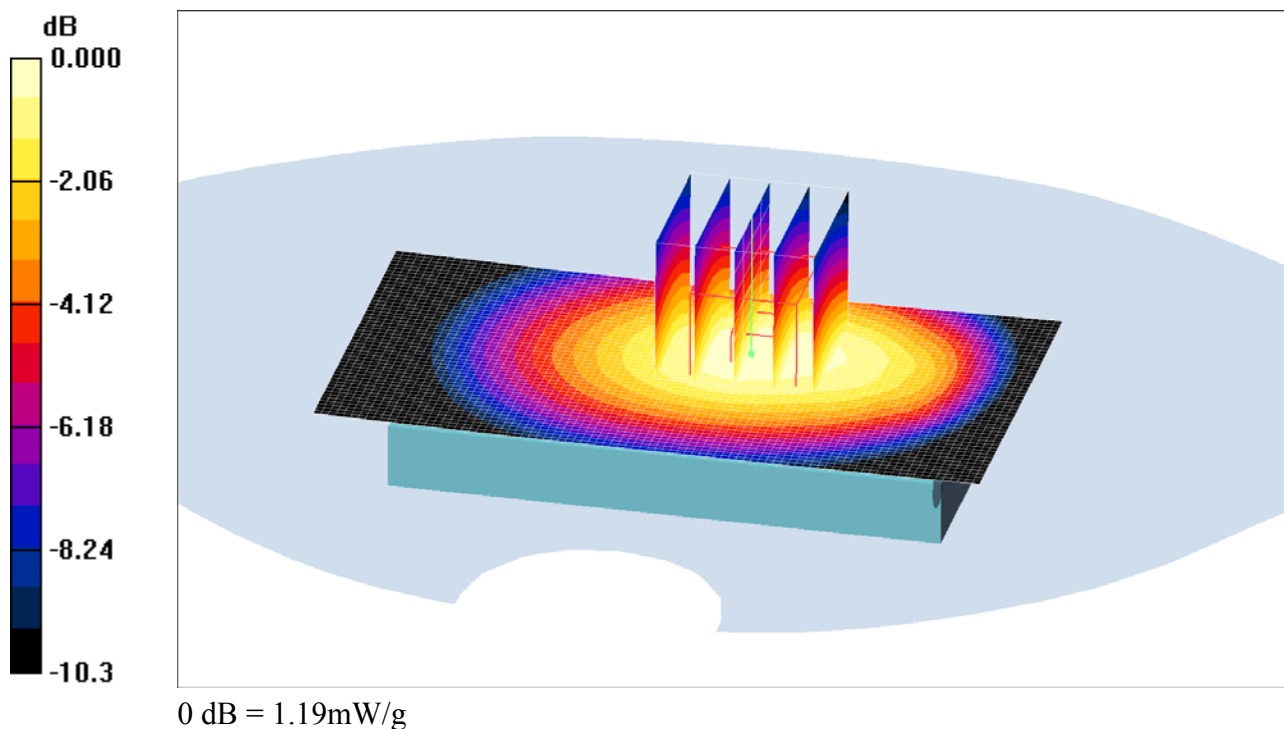
Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.984$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(5.66, 5.66, 5.66); Calibrated: 11/16/2010
  - Sensor-Surface: 4mm (Mechanical Surface Detection)
  - Electronics: DAE3 Sn415; Calibrated: 11/16/2010
  - Phantom: SAM with CRP (Low Band Body); Type: SAM; Serial: TP: 1031
  - Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
- Body 3/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.17 mW/g
- Body 3/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 33.7 V/m; Power Drift = 0.078 dB  
Peak SAR (extrapolated) = 1.49 W/kg  
**SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.793 mW/g**  
Maximum value of SAR (measured) = 1.19 mW/g





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Test Laboratory: Sony Ericsson Mobile Communications

**Mugua-Body-Flat15mm-WLAN-Ch1****DUT: Mugua; Type: DUT; Serial: #20581**

Communication System: WLAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 50.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1584; ConvF(4.13, 4.13, 4.13); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn417; Calibrated: 11/16/2010
- Phantom: WLAN Body SAM; Type: SAM;
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172

**Body 1/Area Scan (51x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.055 mW/g

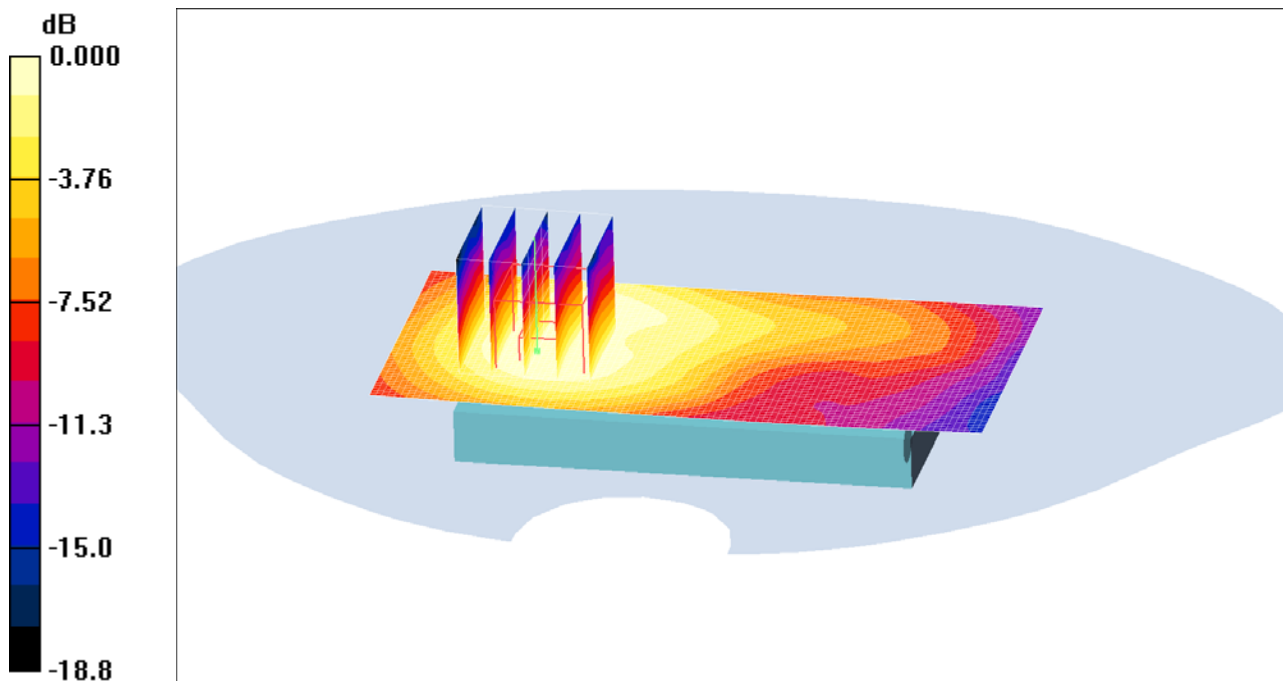
**Body 1/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.61 V/m; Power Drift = -0.141 dB

Peak SAR (extrapolated) = 0.113 W/kg

**SAR(1 g) = 0.051 mW/g; SAR(10 g) = 0.029 mW/g**

Maximum value of SAR (measured) = 0.052 mW/g



0 dB = 0.052mW/g

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Test Laboratory: Sony Ericsson Mobile Communications

**Mugua-Body-Flat15mm-WLAN-Ch11****DUT: Mugua; Type: DUT; Serial: #20581**

Communication System: WLAN; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 2.03$  mho/m;  $\epsilon_r = 50.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1584; ConvF(4.13, 4.13, 4.13); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn417; Calibrated: 11/16/2010
- Phantom: WLAN Body SAM; Type: SAM;
- Measurement SW: DASYS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172

**Body 3/Area Scan (51x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.052 mW/g

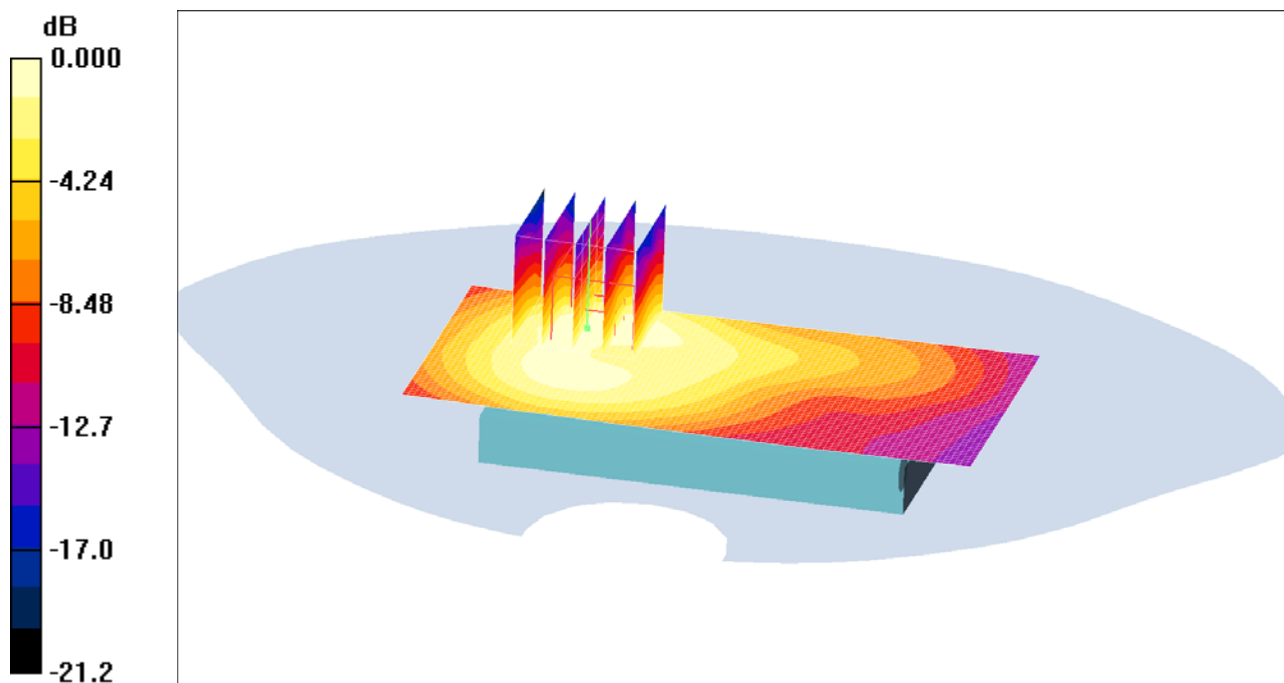
**Body 3/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.44 V/m; Power Drift = -0.089 dB

Peak SAR (extrapolated) = 0.114 W/kg

**SAR(1 g) = 0.048 mW/g; SAR(10 g) = 0.026 mW/g**

Maximum value of SAR (measured) = 0.049 mW/g



0 dB = 0.049mW/g

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Test Laboratory: Sony Ericsson Mobile Communications

**Mugua-Body-Flat15mm-WLAN-Ch13****DUT: Mugua; Type: DUT; Serial: #20581**

Communication System: WLAN; Frequency: 2472 MHz; Duty Cycle: 1:1

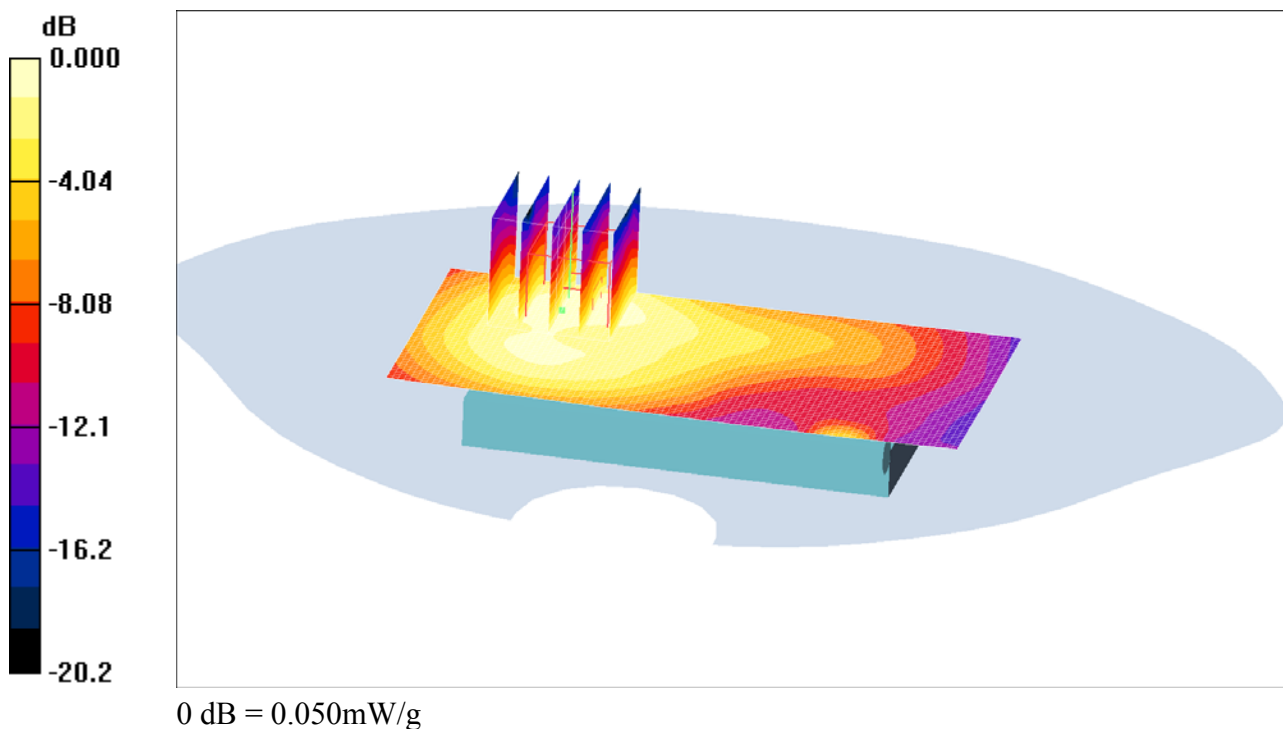
Medium parameters used:  $f = 2472$  MHz;  $\sigma = 2.04$  mho/m;  $\epsilon_r = 50.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1584; ConvF(4.13, 4.13, 4.13); Calibrated: 11/16/2010
  - Sensor-Surface: 4mm (Mechanical Surface Detection)
  - Electronics: DAE3 Sn417; Calibrated: 11/16/2010
  - Phantom: WLAN Body SAM; Type: SAM;
  - Measurement SW: DASYS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
- Body 4/Area Scan (51x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.051 mW/g
- Body 4/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 3.29 V/m; Power Drift = -0.173 dB  
Peak SAR (extrapolated) = 0.120 W/kg  
**SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.026 mW/g**  
Maximum value of SAR (measured) = 0.050 mW/g



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Test Laboratory: Sony Ericsson Mobile Communications

**Mugua-Body-Flat15mm-WLAN-Ch6****DUT: Mugua; Type: DUT; Serial: #20581**

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

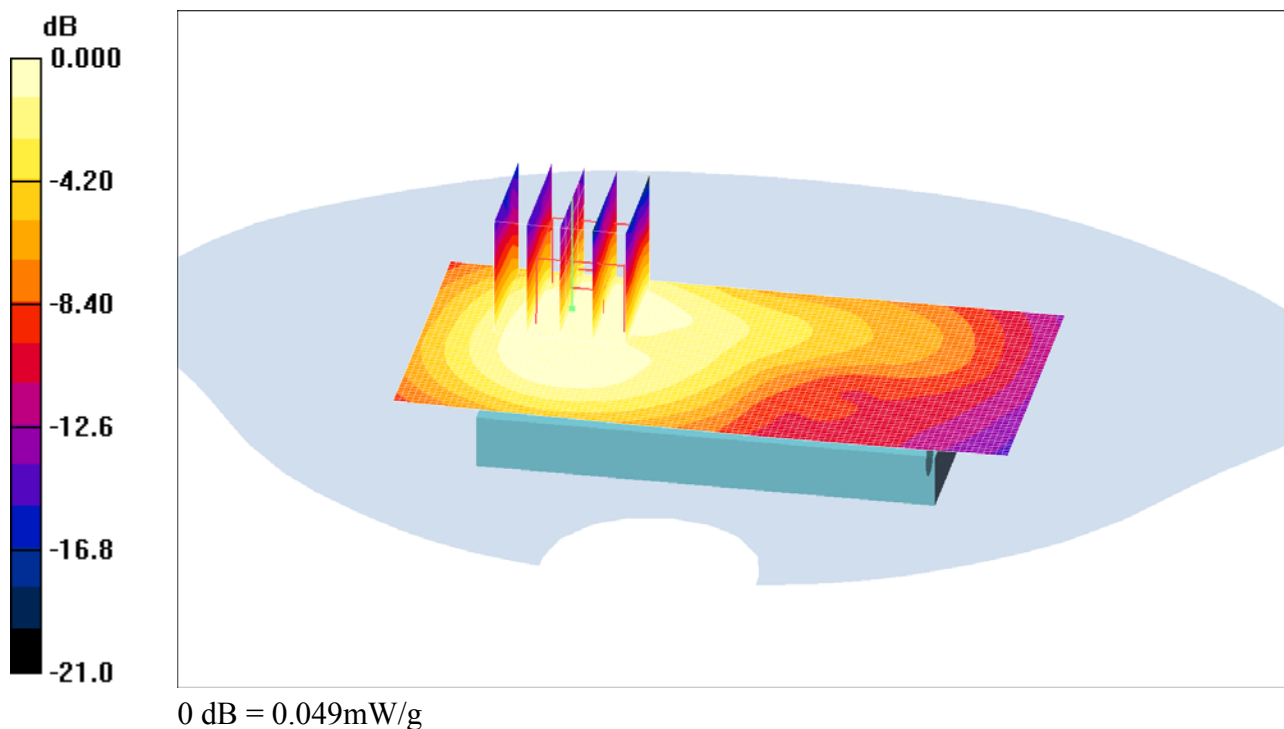
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.99$  mho/m;  $\epsilon_r = 50.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1584; ConvF(4.13, 4.13, 4.13); Calibrated: 11/16/2010
  - Sensor-Surface: 4mm (Mechanical Surface Detection)
  - Electronics: DAE3 Sn417; Calibrated: 11/16/2010
  - Phantom: WLAN Body SAM; Type: SAM;
  - Measurement SW: DASYS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
- Body 2/Area Scan (51x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.054 mW/g
- Body 2/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 3.49 V/m; Power Drift = -0.171 dB  
Peak SAR (extrapolated) = 0.118 W/kg  
**SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.027 mW/g**  
Maximum value of SAR (measured) = 0.049 mW/g



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Test Laboratory: Sony Ericsson Mobile Communications

**Mugua-Body-Flat15mm-WLAN-Ch7****DUT: Mugua; Type: DUT; Serial: #20581**

Communication System: WLAN; Frequency: 2442 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2442$  MHz;  $\sigma = 2$  mho/m;  $\epsilon_r = 50.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1584; ConvF(4.13, 4.13, 4.13); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn417; Calibrated: 11/16/2010
- Phantom: WLAN Body SAM; Type: SAM;
- Measurement SW: DASYS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172

**Body 2 2/Area Scan (51x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.057 mW/g

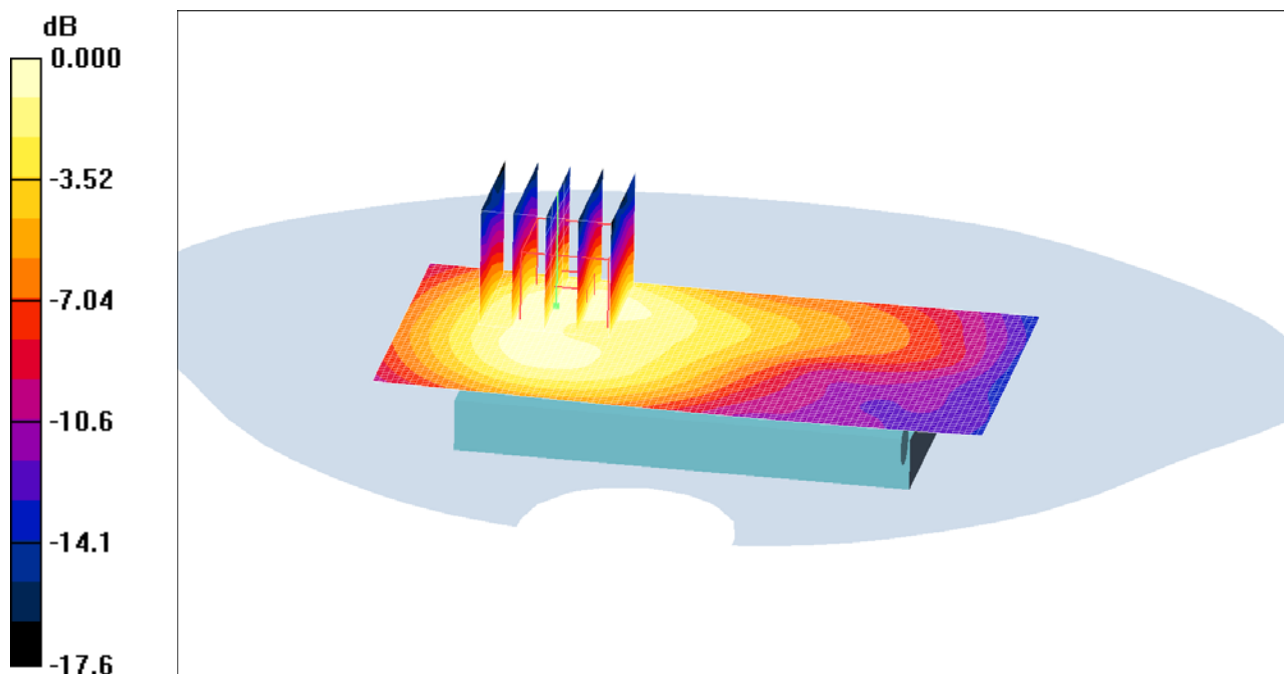
**Body 2 2/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.63 V/m; Power Drift = -0.061 dB

Peak SAR (extrapolated) = 0.120 W/kg

**SAR(1 g) = 0.052 mW/g; SAR(10 g) = 0.028 mW/g**

Maximum value of SAR (measured) = 0.053 mW/g



0 dB = 0.053mW/g

Date/Time: 08/06/2011 12:57:00

Test Laboratory: Sony Ericsson Mobile Communications International AB

**Mugua-LeftHandSide-GSM1900-Tilt-Middle****DUT: Mugua; Type:DUT; Serial:#20352**

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

Medium parameters used (interpolated):  $f = 1880$  MHz;  $\sigma = 1.44$  mho/m;  $\epsilon_r = 38.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(5.18, 5.18, 5.18); Calibrated: 16/11/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 17/11/2010
- Phantom: SAM-1; Type: SAM; Serial: 1437
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Tilt position/Area Scan (81x131x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.481 mW/g

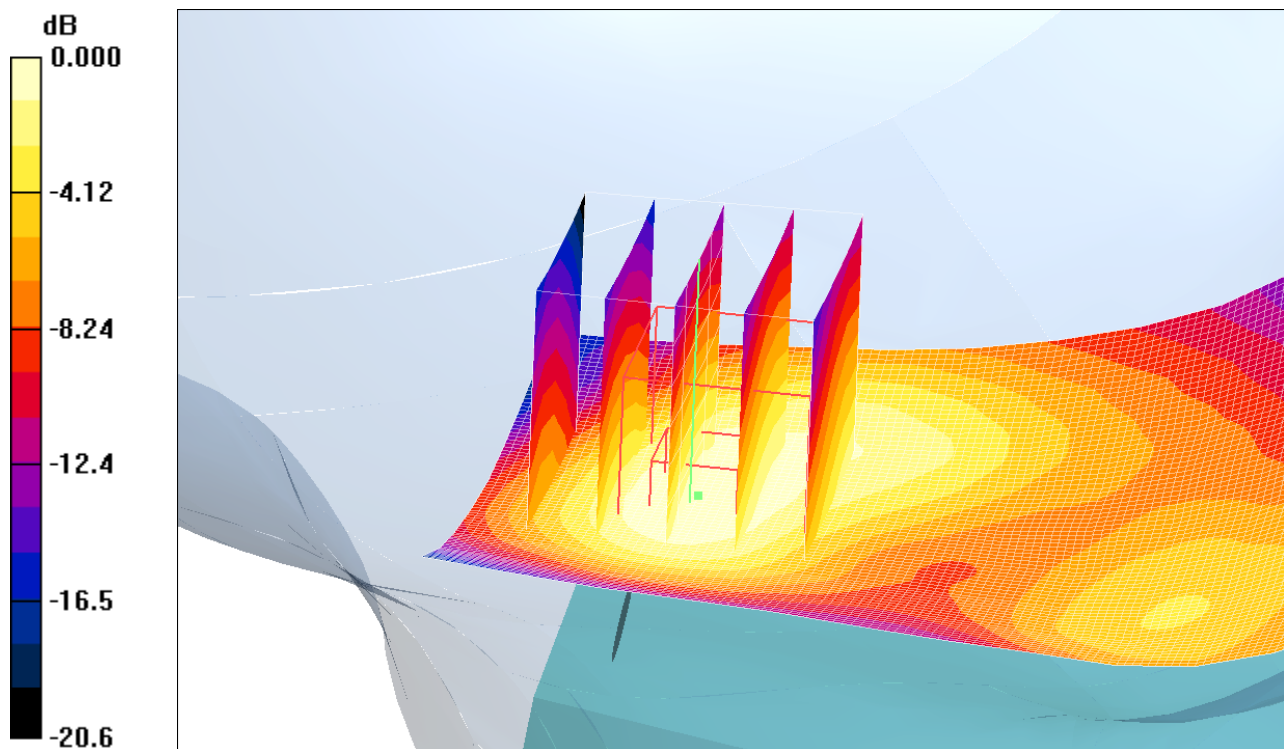
**Tilt position/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.5 V/m; Power Drift = -0.167 dB

Peak SAR (extrapolated) = 0.625 W/kg

**SAR(1 g) = 0.433 mW/g; SAR(10 g) = 0.263 mW/g**

Maximum value of SAR (measured) = 0.479 mW/g



0 dB = 0.479mW/g



Date/Time: 08/06/2011 13:36:55

Test Laboratory: Sony Ericsson Mobile Communications International AB

**Mugua-LeftHandSide-GSM1900-Touch-High****DUT: Mugua; Type:DUT; Serial:#20352**

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

Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 38.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(5.18, 5.18, 5.18); Calibrated: 16/11/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 17/11/2010
- Phantom: SAM-1; Type: SAM; Serial: 1437
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position 3/Area Scan (81x131x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.52 mW/g

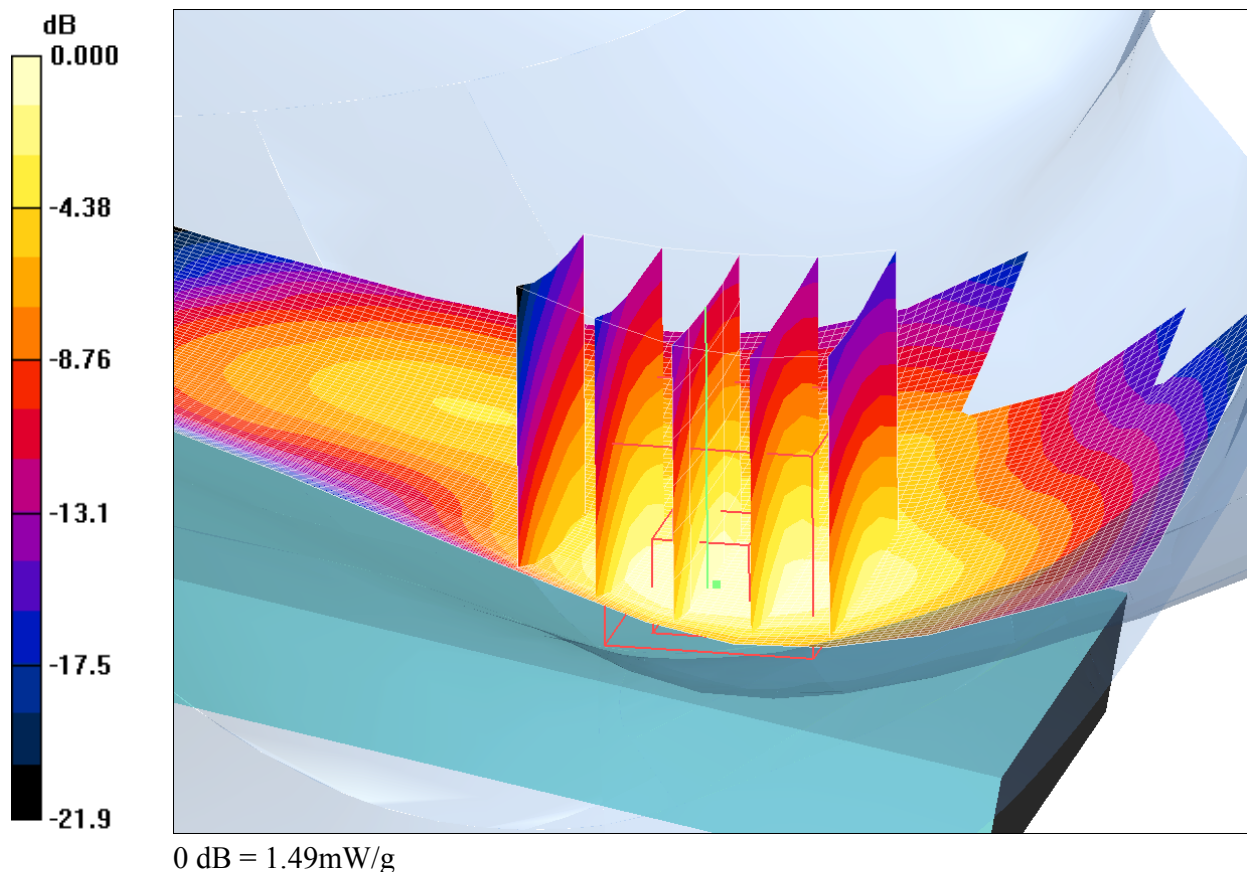
**Touch position 3/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.0 V/m; Power Drift = -0.188 dB

Peak SAR (extrapolated) = 1.95 W/kg

**SAR(1 g) = 1.36 mW/g; SAR(10 g) = 0.802 mW/g**

Maximum value of SAR (measured) = 1.49 mW/g



Date/Time: 10/06/2011 11:37:12

Test Laboratory: Sony Ericsson Mobile Communications International AB

**Mugua-LeftHandSide-GSM850-Tilt-Middle****DUT: Mugua; Type:DUT; Serial:#20352**

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

Medium parameters used:  $f = 836.851$  MHz;  $\sigma = 0.87$  mho/m;  $\epsilon_r = 40.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(6.32, 6.32, 6.32); Calibrated: 16/11/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 17/11/2010
- Phantom: SAM-2; Type: SAM; Serial: 1025
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Tilt/Area Scan (81x131x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.342 mW/g

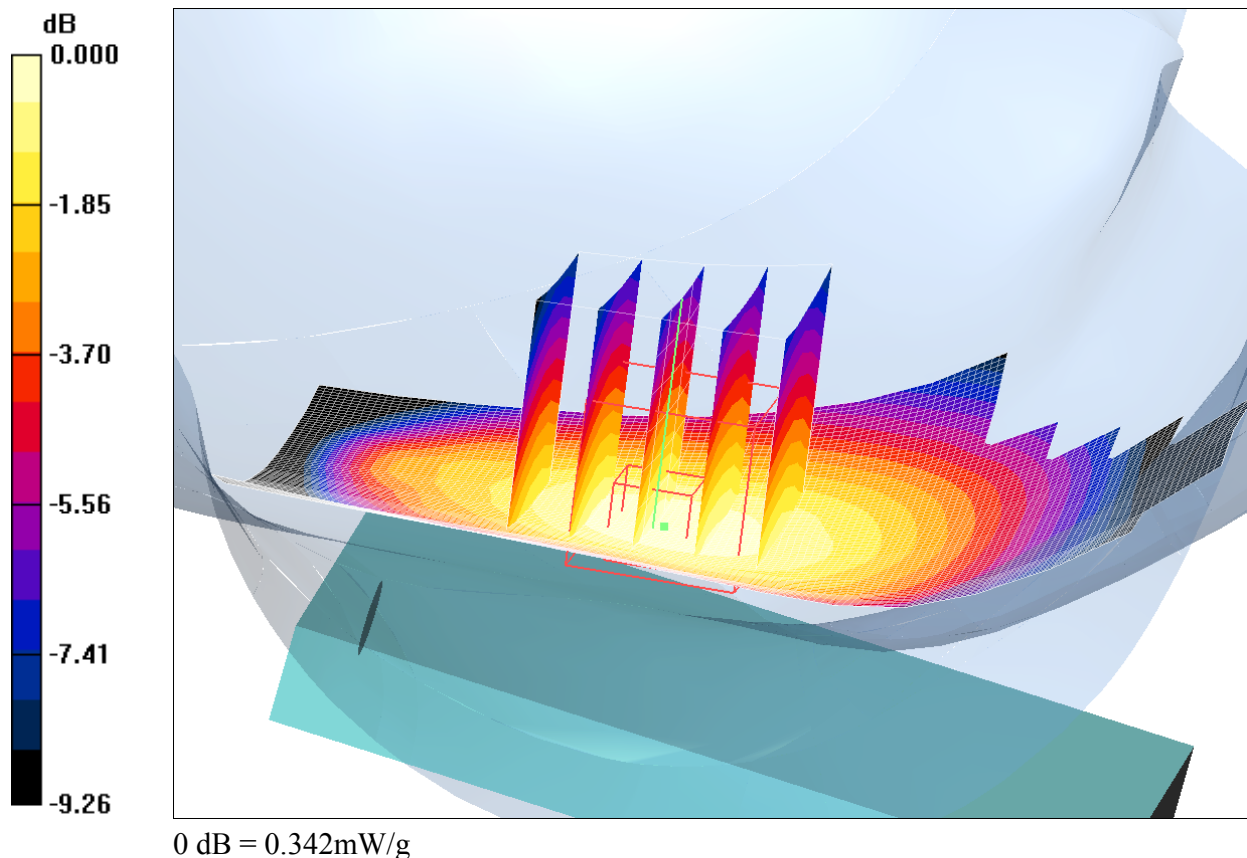
**Tilt/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.4 V/m; Power Drift = -0.060 dB

Peak SAR (extrapolated) = 0.400 W/kg

**SAR(1 g) = 0.320 mW/g; SAR(10 g) = 0.240 mW/g**

Maximum value of SAR (measured) = 0.342 mW/g



Date/Time: 10/06/2011 13:09:13

Test Laboratory: Sony Ericsson Mobile Communications International AB

**Mugua-LeftHandSide-GSM850-Touch-High****DUT: Mugua; Type:DUT; Serial:#20352**

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

Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.881$  mho/m;  $\epsilon_r = 40.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(6.32, 6.32, 6.32); Calibrated: 16/11/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 17/11/2010
- Phantom: SAM-2; Type: SAM; Serial: 1025
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch 3/Area Scan (81x131x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.751 mW/g

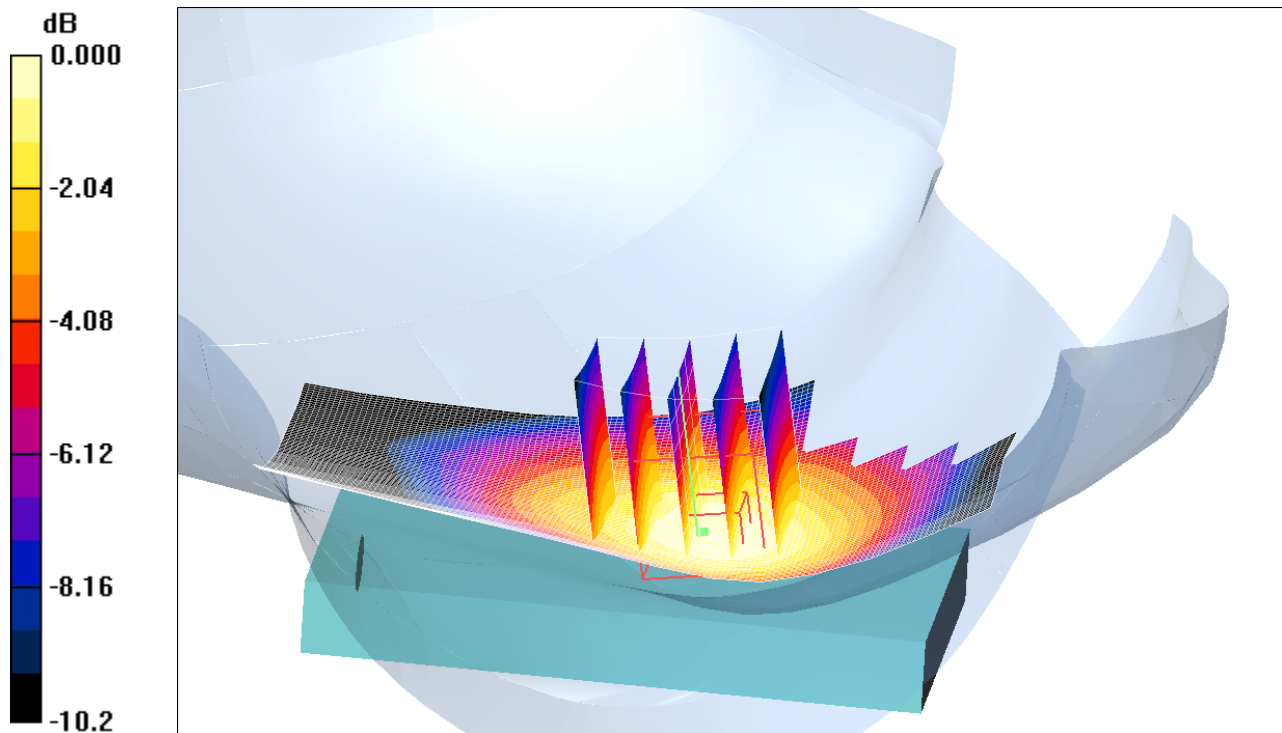
**Touch 3/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.08 V/m; Power Drift = 0.019 dB

Peak SAR (extrapolated) = 0.955 W/kg

**SAR(1 g) = 0.704 mW/g; SAR(10 g) = 0.491 mW/g**

Maximum value of SAR (measured) = 0.736 mW/g



0 dB = 0.736mW/g

Date/Time: 7/15/2011 11:28:28 AM

Test Laboratory: Sony Ericsson Mobile Communications

**Mugua-LeftHandSide-WLAN-Tilt-Ch1****DUT: Mugua; Type: DUT; Serial: #20581**

Communication System: WLAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.81$  mho/m;  $\epsilon_r = 37.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1584; ConvF(4.59, 4.59, 4.59); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn417; Calibrated: 11/16/2010
- Phantom: WLAN (Head) SAM with CRP; Type: SAM;
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172

**Tilt position 2/Area Scan (81x141x1):** Measurement grid: dx=10mm, dy=10mm

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

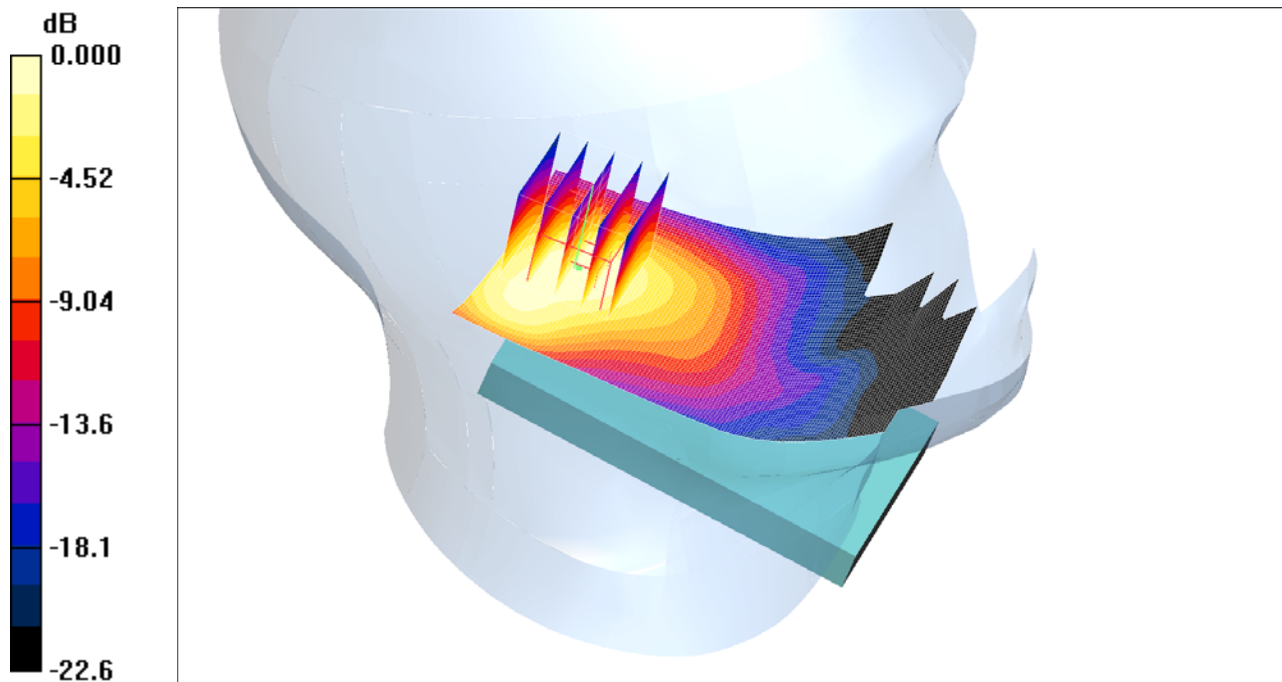
**Tilt position 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.71 V/m; Power Drift = -0.156 dB

Peak SAR (extrapolated) = 0.240 W/kg

**SAR(1 g) = 0.125 mW/g; SAR(10 g) = 0.067 mW/g**

Maximum value of SAR (measured) = 0.133 mW/g



0 dB = 0.133mW/g

Date/Time: 7/15/2011 10:41:36 AM

Test Laboratory: Sony Ericsson Mobile Communications

**Mugua-LeftHandSide-WLAN-Touch-Ch6****DUT: Mugua; Type: DUT; Serial: #20581**

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.84$  mho/m;  $\epsilon_r = 37.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1584; ConvF(4.59, 4.59, 4.59); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn417; Calibrated: 11/16/2010
- Phantom: WLAN (Head) SAM with CRP; Type: SAM;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172

**Touch position/Area Scan (81x141x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.123 mW/g

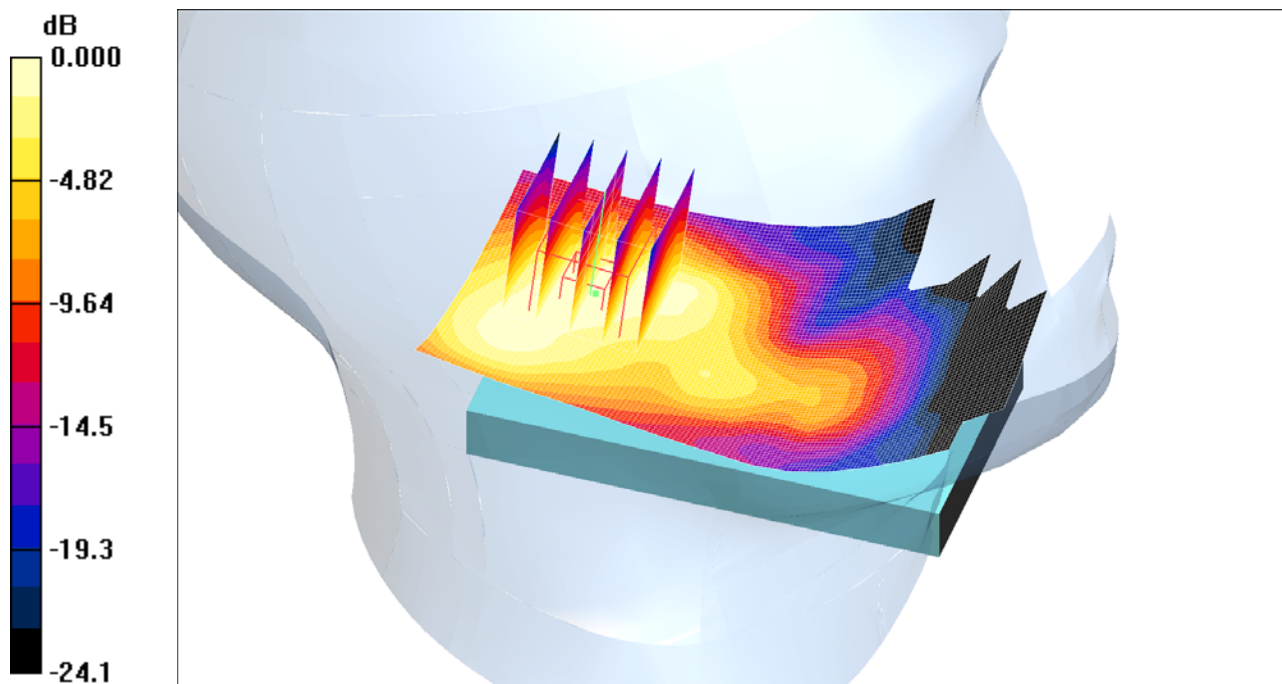
**Touch position/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.63 V/m; Power Drift = -0.026 dB

Peak SAR (extrapolated) = 0.211 W/kg

**SAR(1 g) = 0.114 mW/g; SAR(10 g) = 0.062 mW/g**

Maximum value of SAR (measured) = 0.126 mW/g



0 dB = 0.126mW/g



Date/Time: 08/06/2011 14:45:25

Test Laboratory: Sony Ericsson Mobile Communications International AB

**Mugua-RightHandSide-GSM1900-Tilt-Middle****DUT: Mugua; Type:DUT; Serial:#20352**

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

Medium parameters used (interpolated):  $f = 1880$  MHz;  $\sigma = 1.44$  mho/m;  $\epsilon_r = 38.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(5.18, 5.18, 5.18); Calibrated: 16/11/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 17/11/2010
- Phantom: SAM-1; Type: SAM; Serial: 1437
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Tilt/Area Scan (81x131x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.507 mW/g

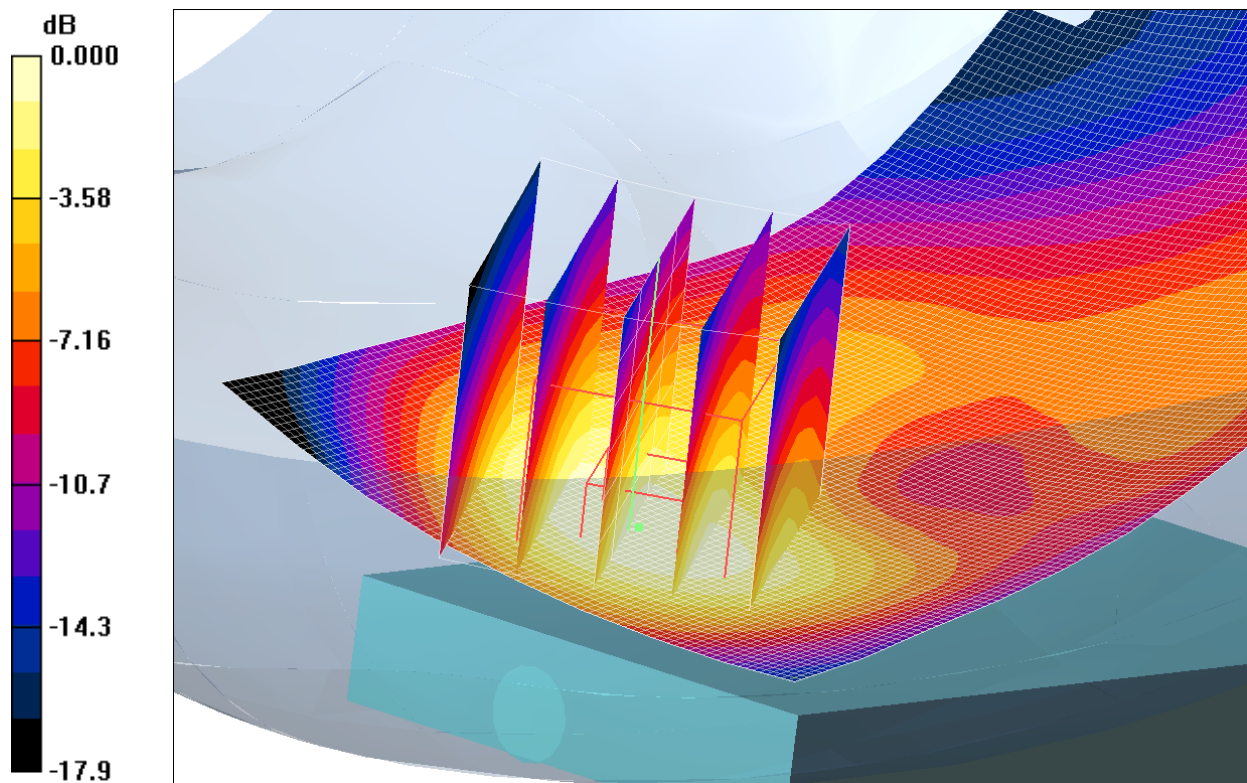
**Tilt/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.4 V/m; Power Drift = -0.143 dB

Peak SAR (extrapolated) = 0.655 W/kg

**SAR(1 g) = 0.449 mW/g; SAR(10 g) = 0.266 mW/g**

Maximum value of SAR (measured) = 0.498 mW/g





Date/Time: 08/06/2011 14:16:55

Test Laboratory: Sony Ericsson Mobile Communications International AB

**Mugua-RightHandSide-GSM1900-Touch-Middle****DUT: Mugua; Type:DUT; Serial:#20352**

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

Medium parameters used (interpolated):  $f = 1880$  MHz;  $\sigma = 1.44$  mho/m;  $\epsilon_r = 38.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(5.18, 5.18, 5.18); Calibrated: 16/11/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 17/11/2010
- Phantom: SAM-1; Type: SAM; Serial: 1437
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch/Area Scan (81x131x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.897 mW/g

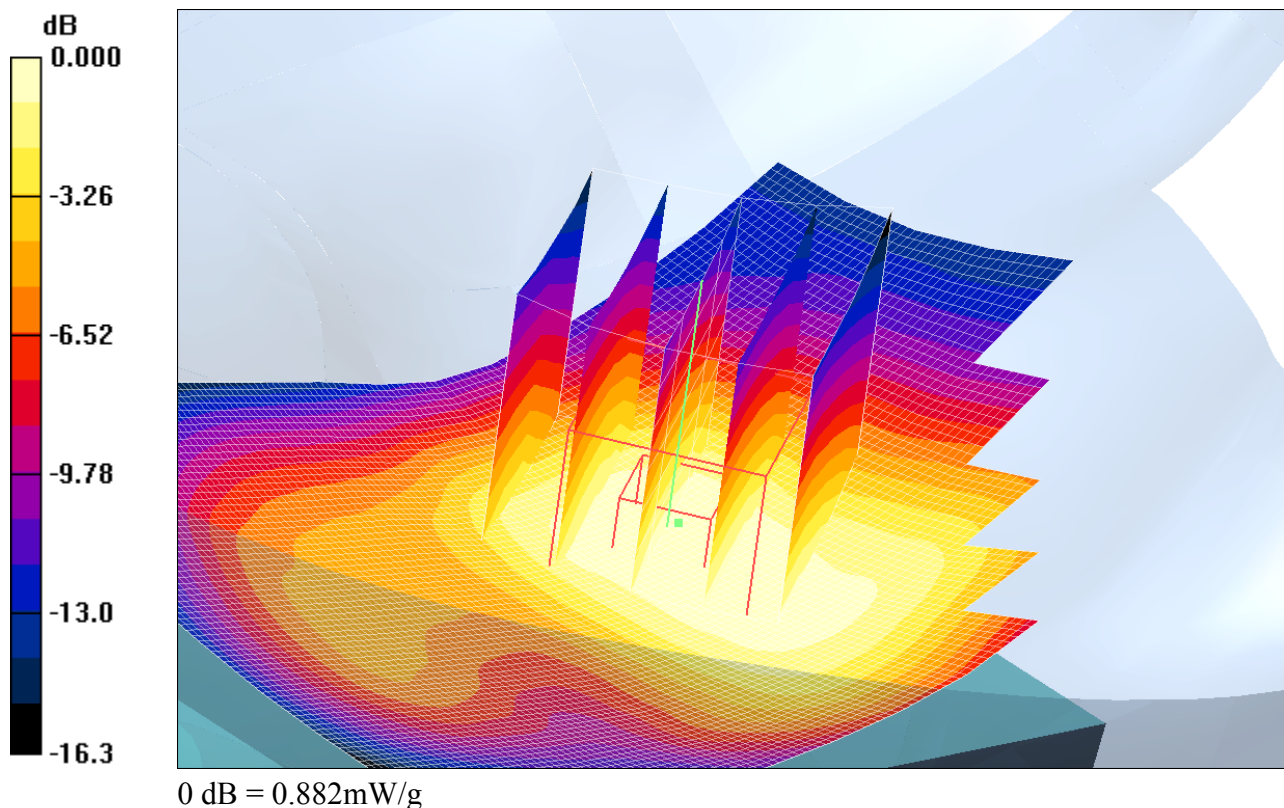
**Touch/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.8 V/m; Power Drift = -0.132 dB

Peak SAR (extrapolated) = 1.09 W/kg

**SAR(1 g) = 0.810 mW/g; SAR(10 g) = 0.527 mW/g**

Maximum value of SAR (measured) = 0.882 mW/g



Date/Time: 10/06/2011 13:58:45

Test Laboratory: Sony Ericsson Mobile Communications International AB

**Mugua-RightHandSide-GSM850-Tilt-Middle****DUT: Mugua; Type:DUT; Serial:#20352**Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3Medium parameters used:  $f = 836.851$  MHz;  $\sigma = 0.87$  mho/m;  $\epsilon_r = 40.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(6.32, 6.32, 6.32); Calibrated: 16/11/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 17/11/2010
- Phantom: SAM-2; Type: SAM; Serial: 1025
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Tilt/Area Scan (81x131x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.311 mW/g

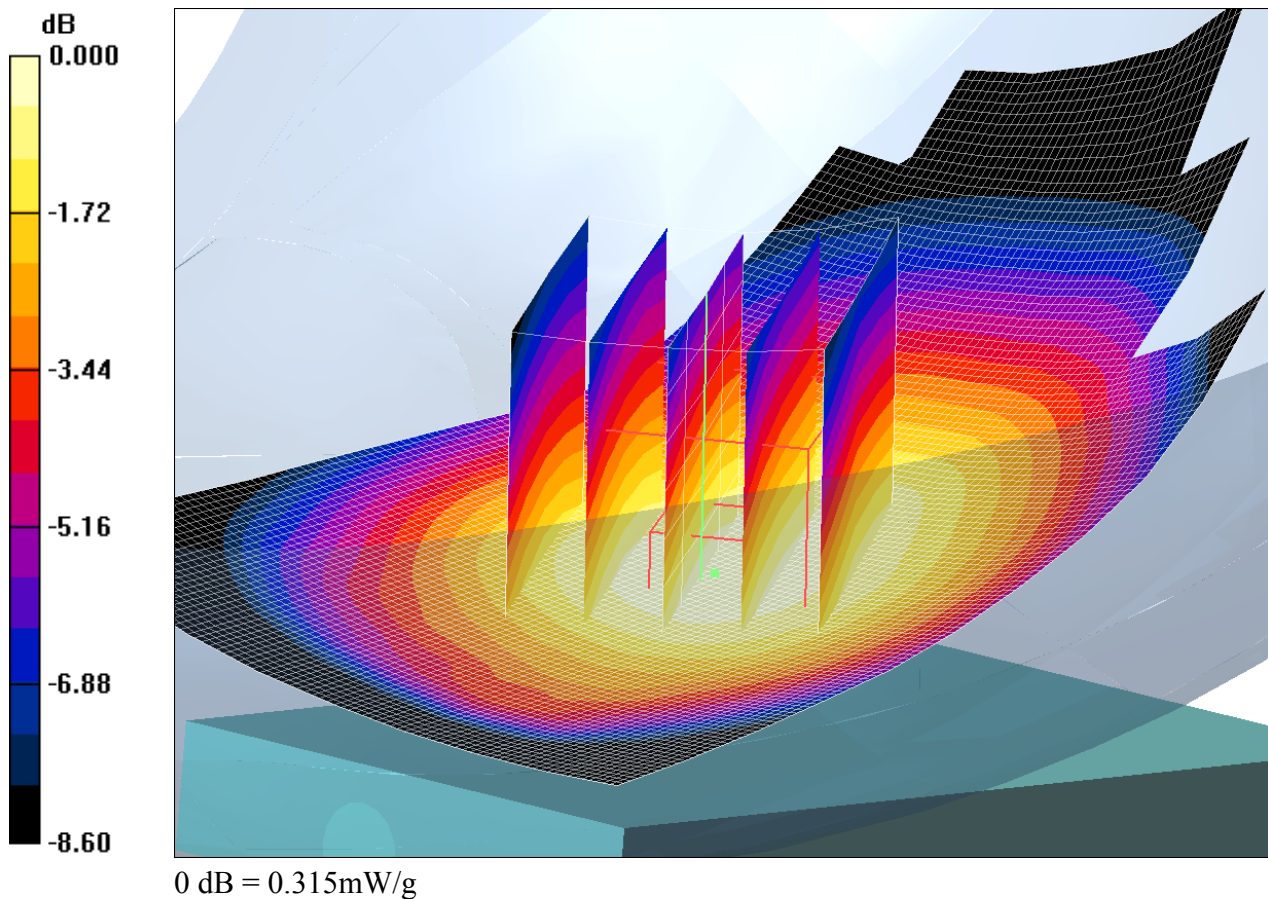
**Tilt/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.3 V/m; Power Drift = -0.010 dB

Peak SAR (extrapolated) = 0.362 W/kg

**SAR(1 g) = 0.298 mW/g; SAR(10 g) = 0.226 mW/g**

Maximum value of SAR (measured) = 0.315 mW/g



Date/Time: 10/06/2011 13:29:28

Test Laboratory: Sony Ericsson Mobile Communications International AB

**Mugua-RightHandSide-GSM850-Touch-Middle****DUT: Mugua; Type:DUT; Serial:#20352**

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

Medium parameters used:  $f = 836.851$  MHz;  $\sigma = 0.87$  mho/m;  $\epsilon_r = 40.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(6.32, 6.32, 6.32); Calibrated: 16/11/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn448; Calibrated: 17/11/2010
- Phantom: SAM-2; Type: SAM; Serial: 1025
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch/Area Scan (81x131x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.567 mW/g

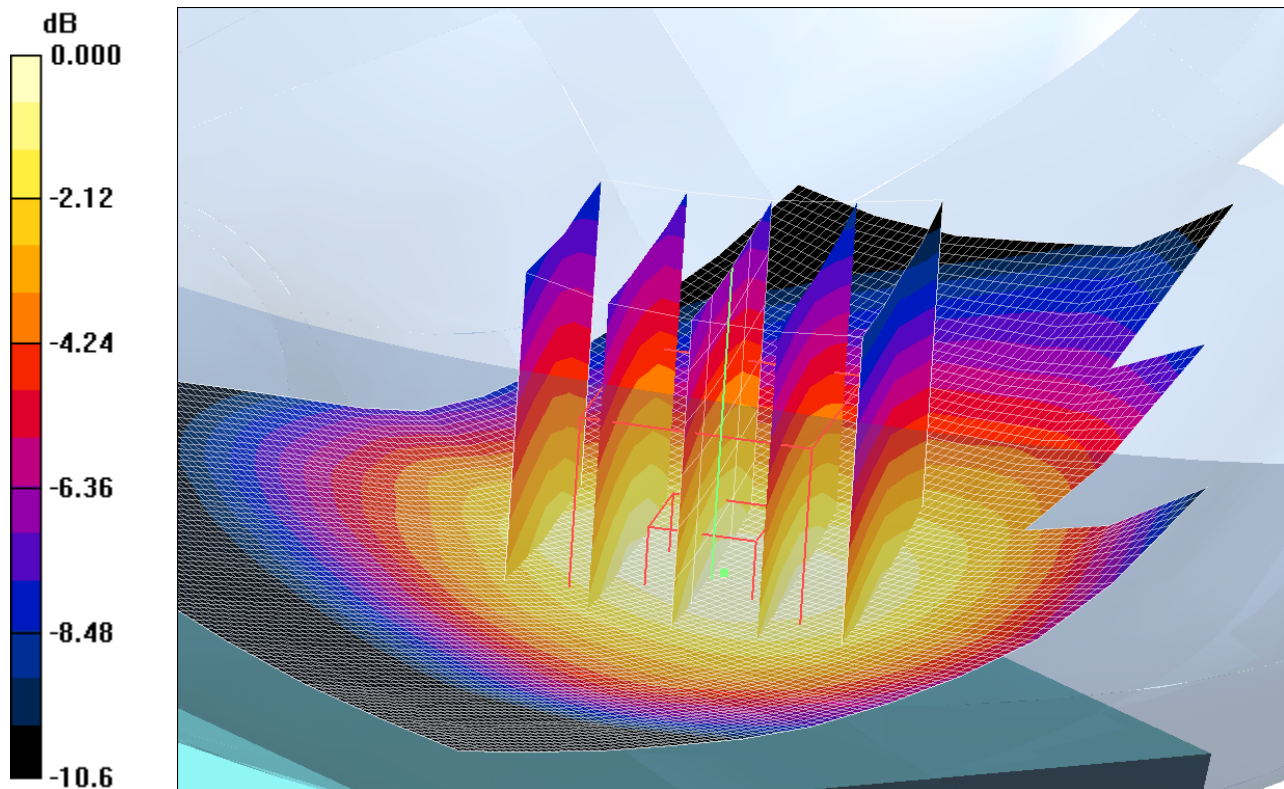
**Touch/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.03 V/m; Power Drift = -0.207 dB

Peak SAR (extrapolated) = 0.665 W/kg

**SAR(1 g) = 0.531 mW/g; SAR(10 g) = 0.382 mW/g**

Maximum value of SAR (measured) = 0.566 mW/g



0 dB = 0.566mW/g

Date/Time: 7/15/2011 2:21:30 PM

Test Laboratory: Sony Ericsson Mobile Communications

**Mugua-RightHandSide-WLAN-Tilt-Ch6****DUT: Mugua; Type: DUT; Serial: #20581**

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.84$  mho/m;  $\epsilon_r = 37.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1584; ConvF(4.59, 4.59, 4.59); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn417; Calibrated: 11/16/2010
- Phantom: WLAN (Head) SAM with CRP; Type: SAM;
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172

**Tilt position/Area Scan (81x141x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.128 mW/g

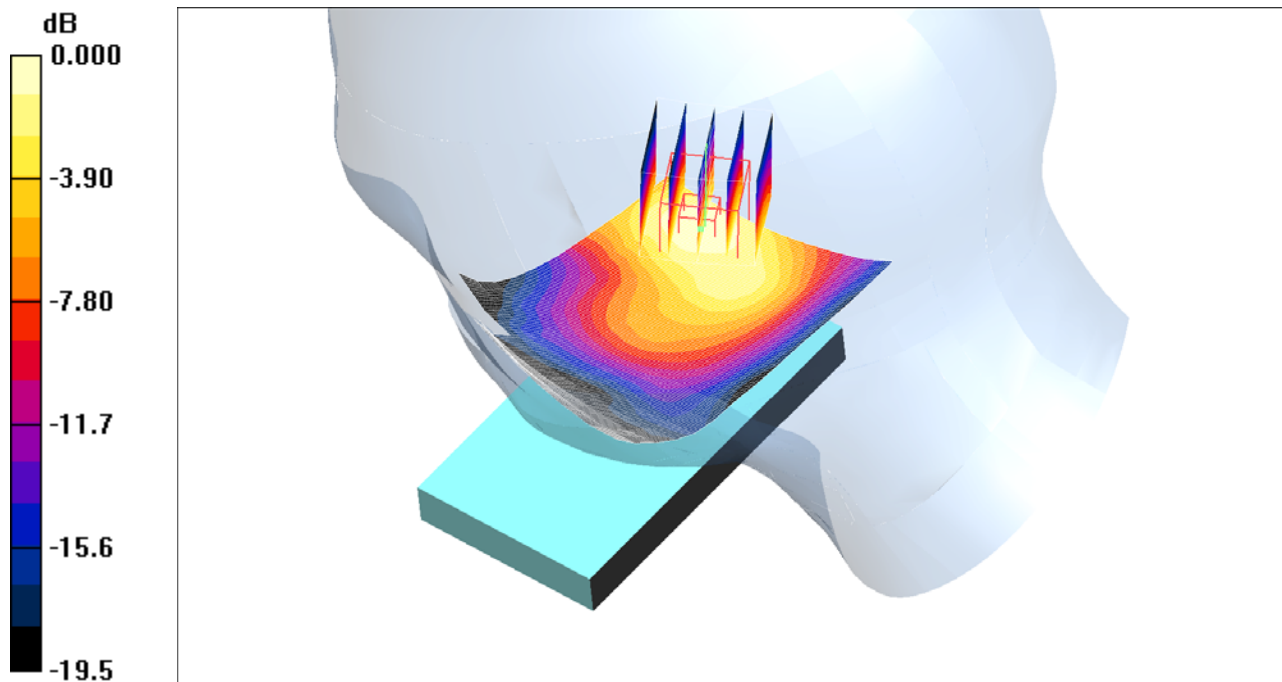
**Tilt position/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.16 V/m; Power Drift = -0.082 dB

Peak SAR (extrapolated) = 0.249 W/kg

**SAR(1 g) = 0.117 mW/g; SAR(10 g) = 0.059 mW/g**

Maximum value of SAR (measured) = 0.127 mW/g



0 dB = 0.127mW/g



Date/Time: 7/15/2011 2:45:44 PM

Test Laboratory: Sony Ericsson Mobile Communications

**Mugua-RightHandSide-WLAN-Touch-Ch1****DUT: Mugua; Type: DUT; Serial: #20581**

Communication System: WLAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.81$  mho/m;  $\epsilon_r = 37.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1584; ConvF(4.59, 4.59, 4.59); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn417; Calibrated: 11/16/2010
- Phantom: WLAN (Head) SAM with CRP; Type: SAM;
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172

**Touch position 2/Area Scan (81x151x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.153 mW/g

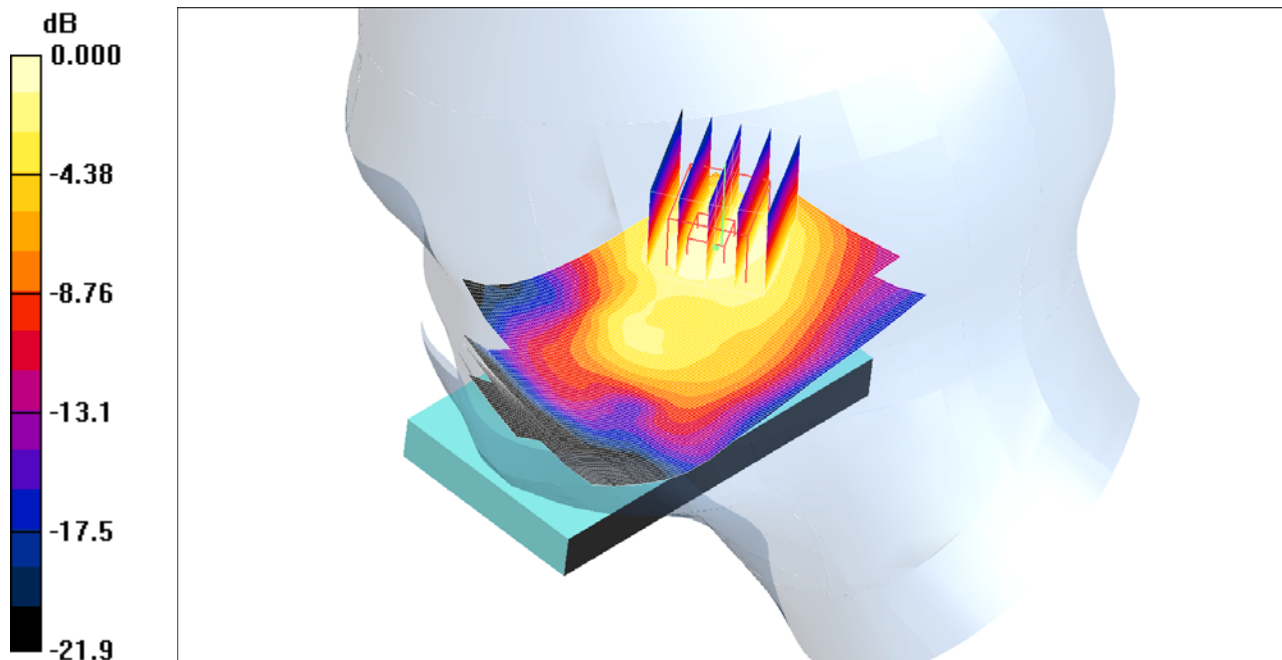
**Touch position 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.64 V/m; Power Drift = 0.010 dB

Peak SAR (extrapolated) = 0.279 W/kg

**SAR(1 g) = 0.140 mW/g; SAR(10 g) = 0.074 mW/g**

Maximum value of SAR (measured) = 0.150 mW/g



0 dB = 0.150mW/g

Date/Time: 6/13/2011 9:59:54 AM

Test Laboratory: Sony Ericsson Mobile Communications

**Validation 835 Body 13-06-2011****DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:438**

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

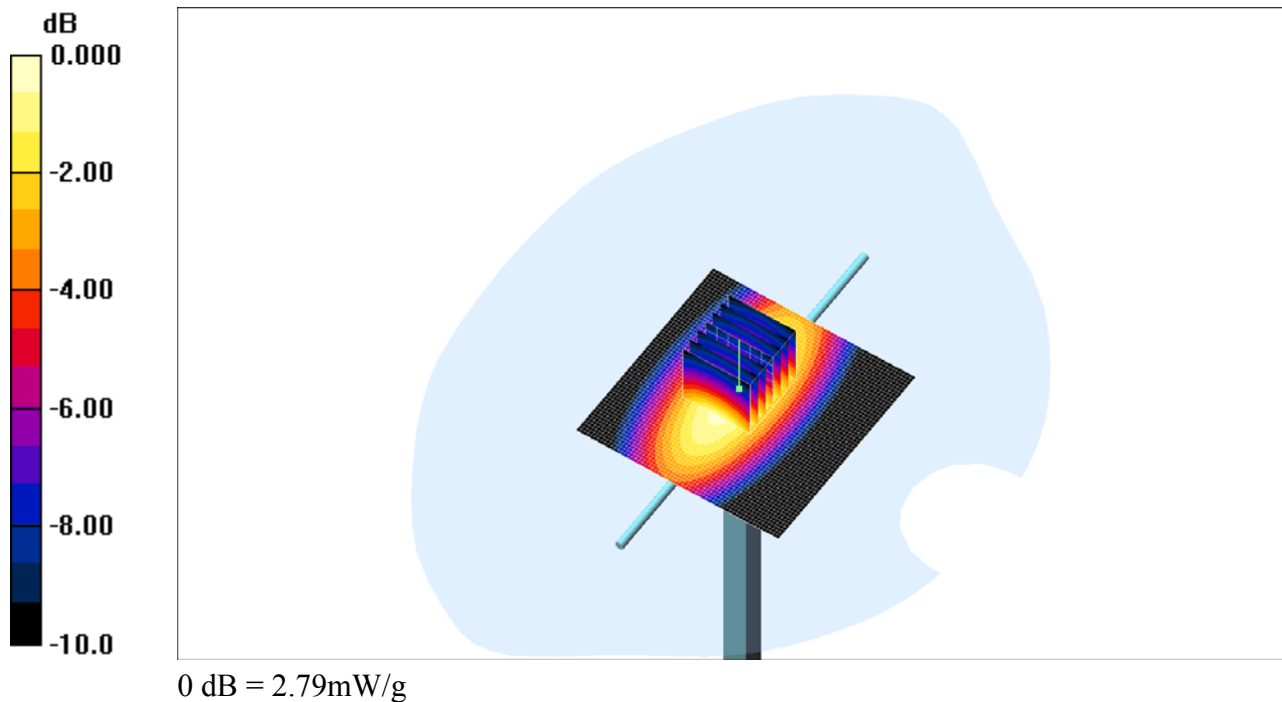
Medium parameters used (interpolated):  $f = 835$  MHz;  $\sigma = 0.971$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(5.66, 5.66, 5.66); Calibrated: 11/16/2010
  - Sensor-Surface: 4mm (Mechanical Surface Detection)
  - Electronics: DAE3 Sn415; Calibrated: 11/16/2010
  - Phantom: SAM with CRP (Low Band Body); Type: SAM; Serial: TP: 1031
  - Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
- Unnamed procedure/Area Scan (61x61x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 2.72 mW/g
- Unnamed procedure/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 55.3 V/m; Power Drift = 0.080 dB  
Peak SAR (extrapolated) = 3.67 W/kg  
**SAR(1 g) = 2.56 mW/g; SAR(10 g) = 1.69 mW/g**  
Maximum value of SAR (measured) = 2.79 mW/g





Date/Time: 08/06/2011 11:55:29

Test Laboratory: Sony Ericsson Mobile Communications International AB

**Validation-D1900-08-06-11****DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:539**

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

Medium parameters used (interpolated):  $f = 1900$  MHz;  $\sigma = 1.46$  mho/m;  $\epsilon_r = 38.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(5.18, 5.18, 5.18); Calibrated: 16/11/2010
  - Sensor-Surface: 4mm (Mechanical Surface Detection)
  - Electronics: DAE3 Sn448; Calibrated: 17/11/2010
  - Phantom: SAM-1; Type: SAM; Serial: 1437
  - Measurement SW: DASYS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186
- d=10mm, Pin=250mW/Area Scan (81x91x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 10.5 mW/g

**d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:

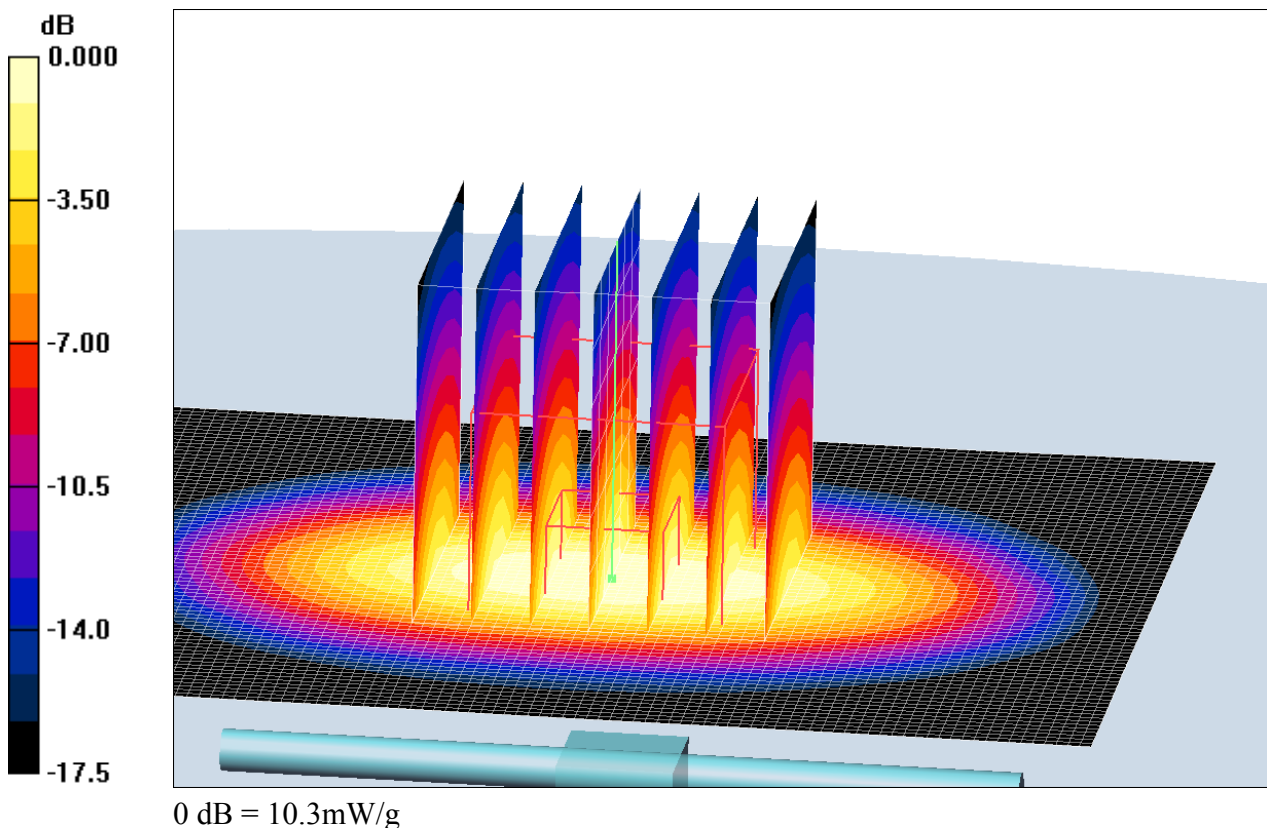
dx=5mm, dy=5mm, dz=5mm

Reference Value = 89.6 V/m; Power Drift = -0.017 dB

Peak SAR (extrapolated) = 15.3 W/kg

**SAR(1 g) = 9.08 mW/g; SAR(10 g) = 4.8 mW/g**

Maximum value of SAR (measured) = 10.3 mW/g



Date/Time: 6/14/2011 9:59:47 AM

Test Laboratory: Sony Ericsson Mobile Communications

**Validation-D1900-13-06-11****DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:539**

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

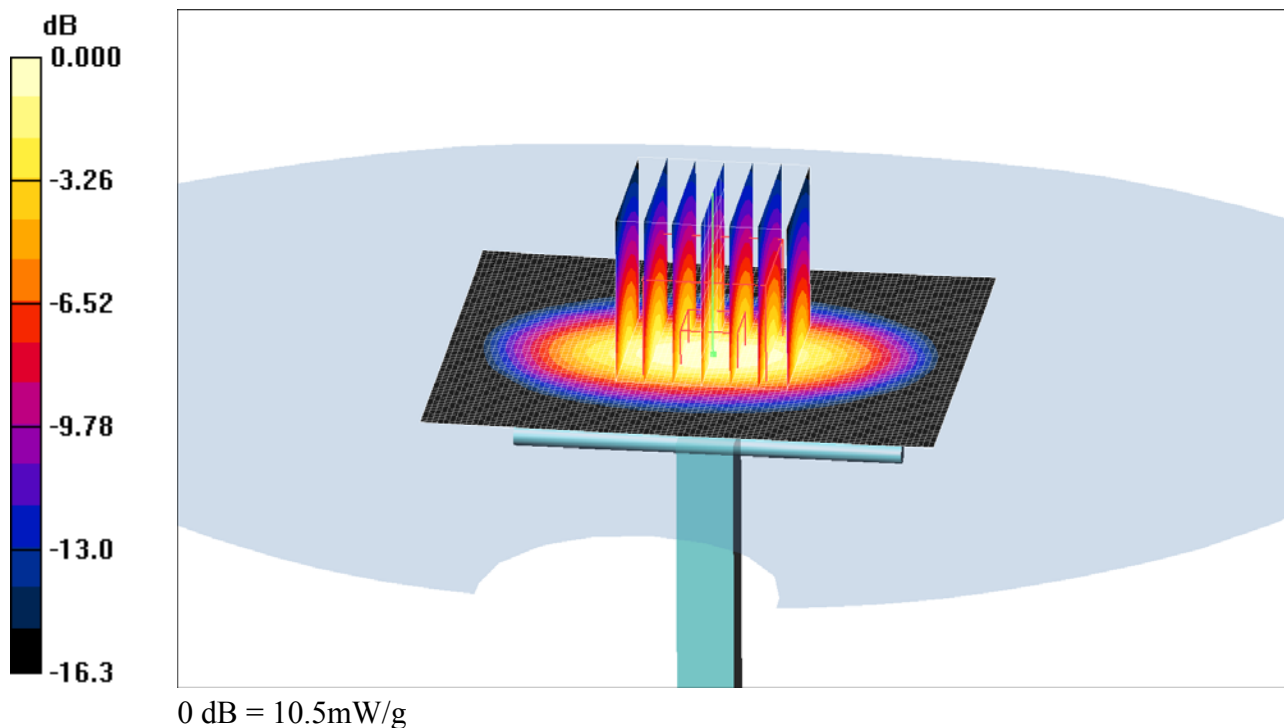
Medium parameters used (interpolated):  $f = 1900$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 51.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(4.23, 4.23, 4.23); Calibrated: 11/16/2010
  - Sensor-Surface: 4mm (Mechanical Surface Detection)
  - Electronics: DAE3 Sn415; Calibrated: 11/16/2010
  - Phantom: SAM with CRP (High Band Body); Type: SAM; Serial: TP: 1020
  - Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
- d=10mm, Pin=250mW/Area Scan (81x91x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 10.5 mW/g
- d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  
dx=5mm, dy=5mm, dz=5mm  
Reference Value = 90.3 V/m; Power Drift = 0.085 dB  
Peak SAR (extrapolated) = 14.5 W/kg  
**SAR(1 g) = 9.2 mW/g; SAR(10 g) = 4.98 mW/g**  
Maximum value of SAR (measured) = 10.5 mW/g



Date/Time: 7/14/2011 1:21:53 PM

Test Laboratory: Sony Ericsson Mobile Communications

**Validation-D2450-14-07-11****DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:721**

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

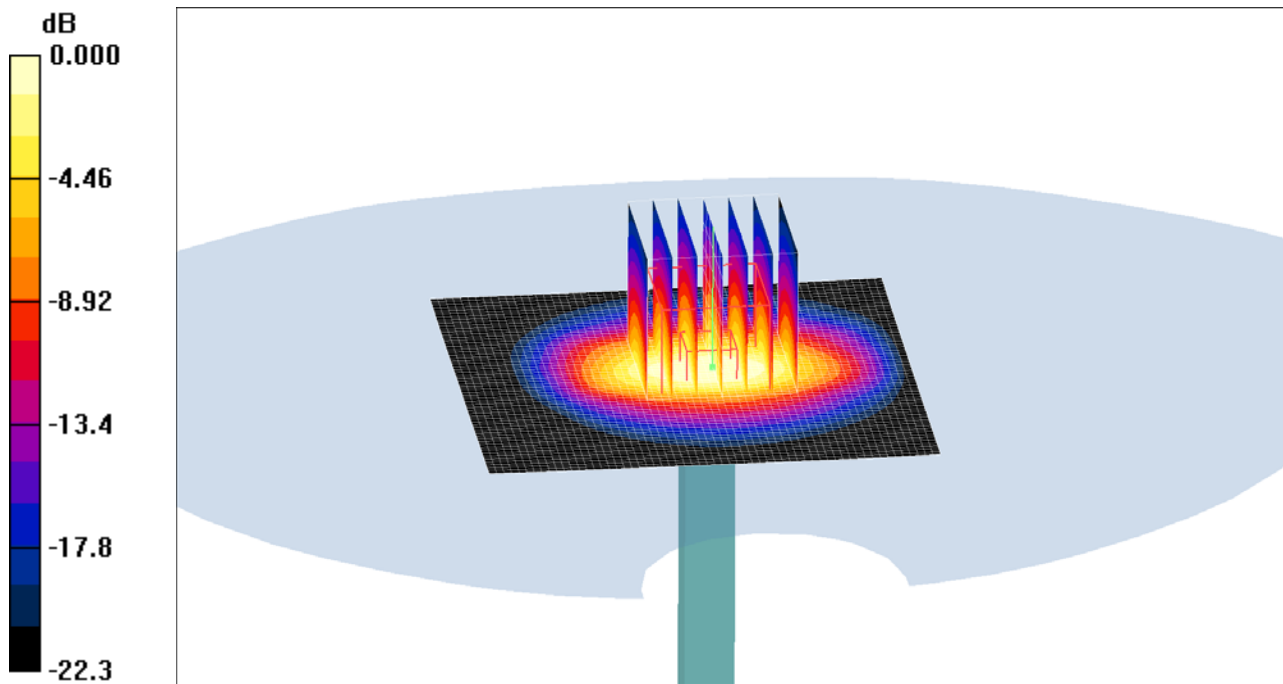
Medium parameters used:  $f = 2450.33$  MHz;  $\sigma = 2.01$  mho/m;  $\epsilon_r = 50.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1584; ConvF(4.13, 4.13, 4.13); Calibrated: 11/16/2010
  - Sensor-Surface: 4mm (Mechanical Surface Detection)
  - Electronics: DAE3 Sn417; Calibrated: 11/16/2010
  - Phantom: WLAN Body SAM; Type: SAM; Serial:
  - Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
- Unnamed procedure 2/Area Scan (61x61x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 17.2 mW/g
- Unnamed procedure 2/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 87.4 V/m; Power Drift = 0.003 dB  
Peak SAR (extrapolated) = 34.7 W/kg  
**SAR(1 g) = 14 mW/g; SAR(10 g) = 6.3 mW/g**  
Maximum value of SAR (measured) = 15.1 mW/g



0 dB = 15.1mW/g

Date/Time: 7/15/2011 9:32:26 AM

Test Laboratory: Sony Ericsson Mobile Communications

**Validation-D2450-15-07-11****DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:721**

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

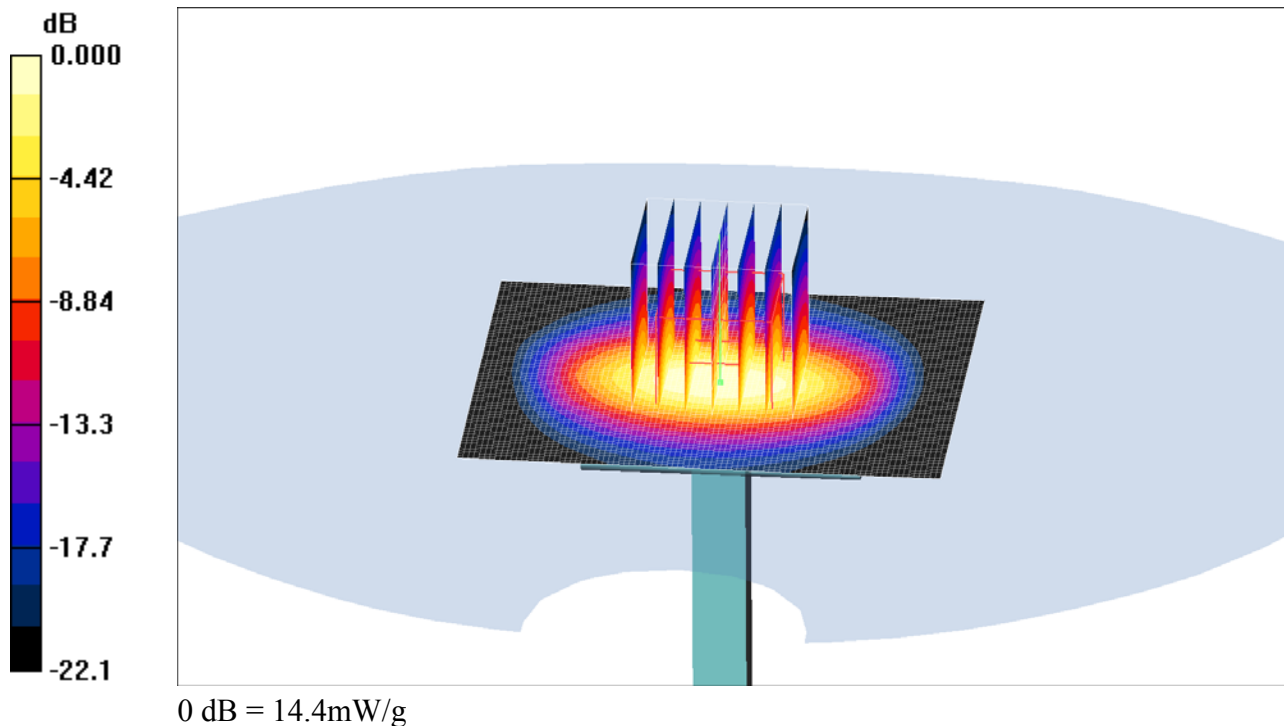
Medium parameters used:  $f = 2450.33$  MHz;  $\sigma = 1.85$  mho/m;  $\epsilon_r = 37.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1584; ConvF(4.59, 4.59, 4.59); Calibrated: 11/16/2010
  - Sensor-Surface: 4mm (Mechanical Surface Detection)
  - Electronics: DAE3 Sn417; Calibrated: 11/16/2010
  - Phantom: WLAN (Head) SAM with CRP; Type: SAM; Serial:
  - Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 172
- d=10mm, Pin=250mW/Area Scan (81x91x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 14.8 mW/g
- d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  
dx=5mm, dy=5mm, dz=5mm  
Reference Value = 92.6 V/m; Power Drift = -0.084 dB  
Peak SAR (extrapolated) = 28.1 W/kg  
**SAR(1 g) = 12.9 mW/g; SAR(10 g) = 5.93 mW/g**  
Maximum value of SAR (measured) = 14.4 mW/g



Date/Time: 10/06/2011 10:09:23

Test Laboratory: Sony Ericsson Mobile Communications International AB

**Validation-D850-10-06-11****DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:438**

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

Medium parameters used (interpolated):  $f = 835$  MHz;  $\sigma = 0.868$  mho/m;  $\epsilon_r = 40.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1610; ConvF(6.32, 6.32, 6.32); Calibrated: 16/11/2010
  - Sensor-Surface: 4mm (Mechanical Surface Detection)
  - Electronics: DAE3 Sn448; Calibrated: 17/11/2010
  - Phantom: SAM-2; Type: SAM; Serial: 1025
  - Measurement SW: DASYS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186
- d=15mm, Pin=250mW/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 2.69 mW/g
- d=15mm, Pin=250mW/Zoom Scan (7x7x7) (5x5x7)/Cube 0:** Measurement grid:  
dx=8mm, dy=8mm, dz=5mm  
Reference Value = 57.8 V/m; Power Drift = 0.032 dB  
Peak SAR (extrapolated) = 3.62 W/kg  
**SAR(1 g) = 2.51 mW/g; SAR(10 g) = 1.65 mW/g**  
Maximum value of SAR (measured) = 2.69 mW/g

