

**Plot 1: 836.6MHz Front**

Date/Time: 3/28/2011 4:32:39 PM, Date/Time: 3/28/2011 4:38:51 PM

**DUT: Garmin; Serial: 3817573229b**

Communication System: Generic GSM; Frequency: 836.6 MHz

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.975$  mho/m;  $\epsilon_r = 54.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3244; ConvF(6.05, 6.05, 6.05);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1233; Calibrated: 10/13/2010
- Phantom: SAM; Type: QD 000 P40 CC; Serial: 1592
- Measurement SW: DASY52, V52.2 Build 0;

**Flat-Section MSL/836.6 Front 0mm/Area Scan (8x8x1):** Measurement grid:

dx=14mm, dy=14mm

Maximum value of SAR (measured) = 1.3 mW/g

**Flat-Section MSL/836.6 Front 0mm/Zoom Scan (7x7x7)/Cube 0:** Measurement

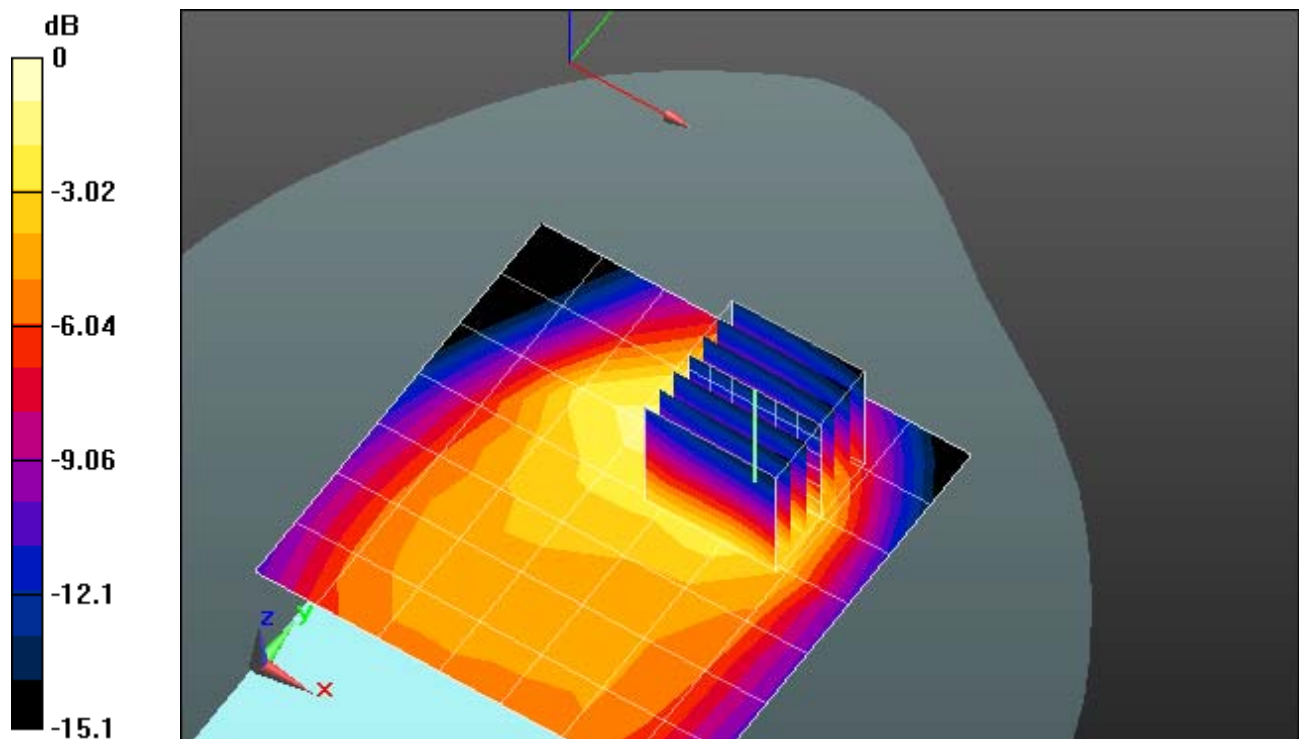
grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22 V/m; Power Drift = -0.150 dB

Peak SAR (extrapolated) = 2.73 W/kg

**SAR(1 g) = 1.24 mW/g; SAR(10 g) = 0.654 mW/g**

Maximum value of SAR (measured) = 1.37 mW/g



**Plot 2: 836.6MHz Back**

Date/Time: 3/28/2011 5:42:05 PM, Date/Time: 3/28/2011 5:48:17 PM

**DUT: Garmin; Serial: 3817573229b**

Communication System: Generic GSM; Frequency: 836.6 MHz  
 Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.975$  mho/m;  $\epsilon_r = 54.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3244; ConvF(6.05, 6.05, 6.05);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1233; Calibrated: 10/13/2010
- Phantom: SAM; Type: QD 000 P40 CC; Serial: 1592
- Measurement SW: DASY52, V52.2 Build 0;

**Flat-Section MSL/836.6 Back 0mm/Area Scan (8x8x1):** Measurement grid:

$dx=14$ mm,  $dy=14$ mm

Maximum value of SAR (measured) = 4.42 mW/g

**Flat-Section MSL/836.6 Back 0mm/Zoom Scan (7x7x7)/Cube 0:** Measurement

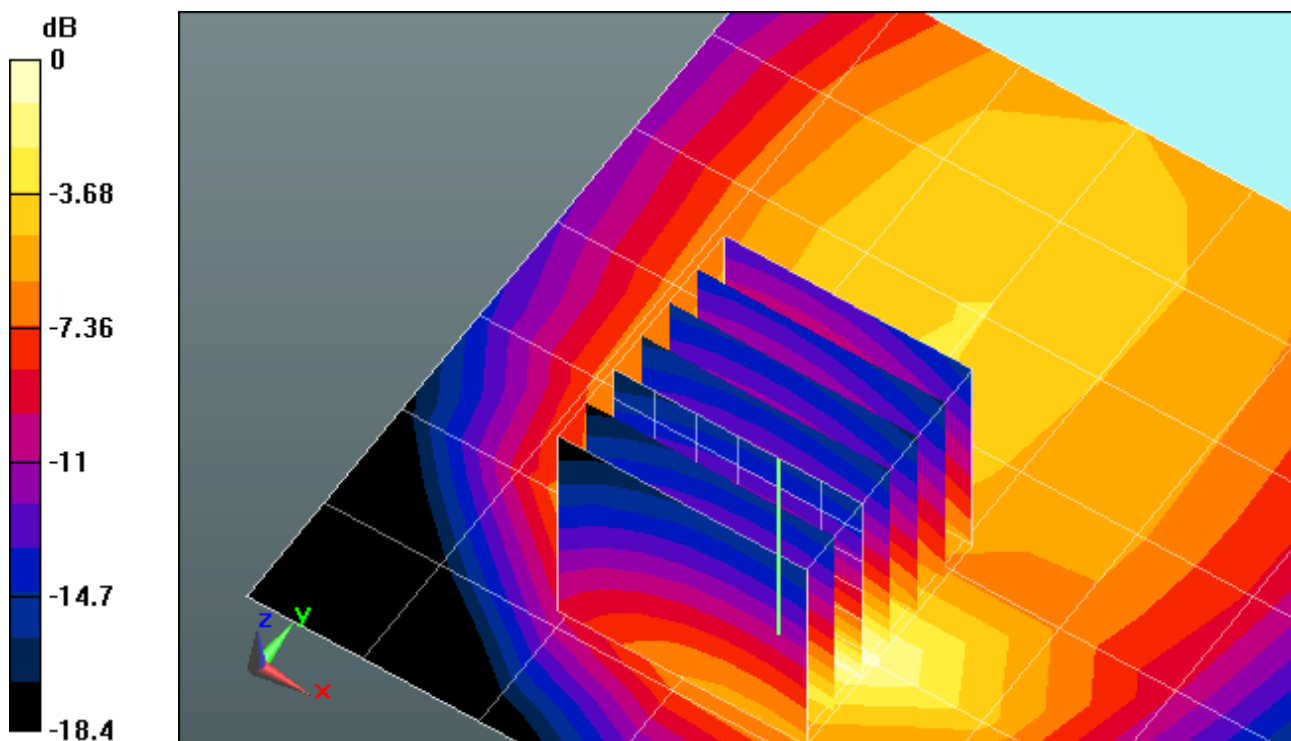
grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 44.4 V/m; Power Drift = -0.140 dB

Peak SAR (extrapolated) = 11.6 W/kg

**SAR(1 g) = 3.99 mW/g; SAR(10 g) = 1.78 mW/g**

Maximum value of SAR (measured) = 4.64 mW/g



0 dB = 4.64mW/g

**Plot 3: 836.6MHz Right Edge**

Date/Time: 3/28/2011 6:48:21 PM, Date/Time: 3/28/2011 6:53:35 PM

**DUT: Garmin Side Edge; Serial: 3817573229b**

Communication System: Generic GSM; Frequency: 836.6 MHz

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.975$  mho/m;  $\epsilon_r = 54.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3244; ConvF(6.05, 6.05, 6.05);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1233; Calibrated: 10/13/2010
- Phantom: SAM; Type: QD 000 P40 CC; Serial: 1592
- Measurement SW: DASY52, V52.2 Build 0;

**Right Edge Flat-Section MSL/836.6 Front 0mm/Area Scan (9x6x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.96 mW/g

**Right Edge Flat-Section MSL/836.6 Front 0mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

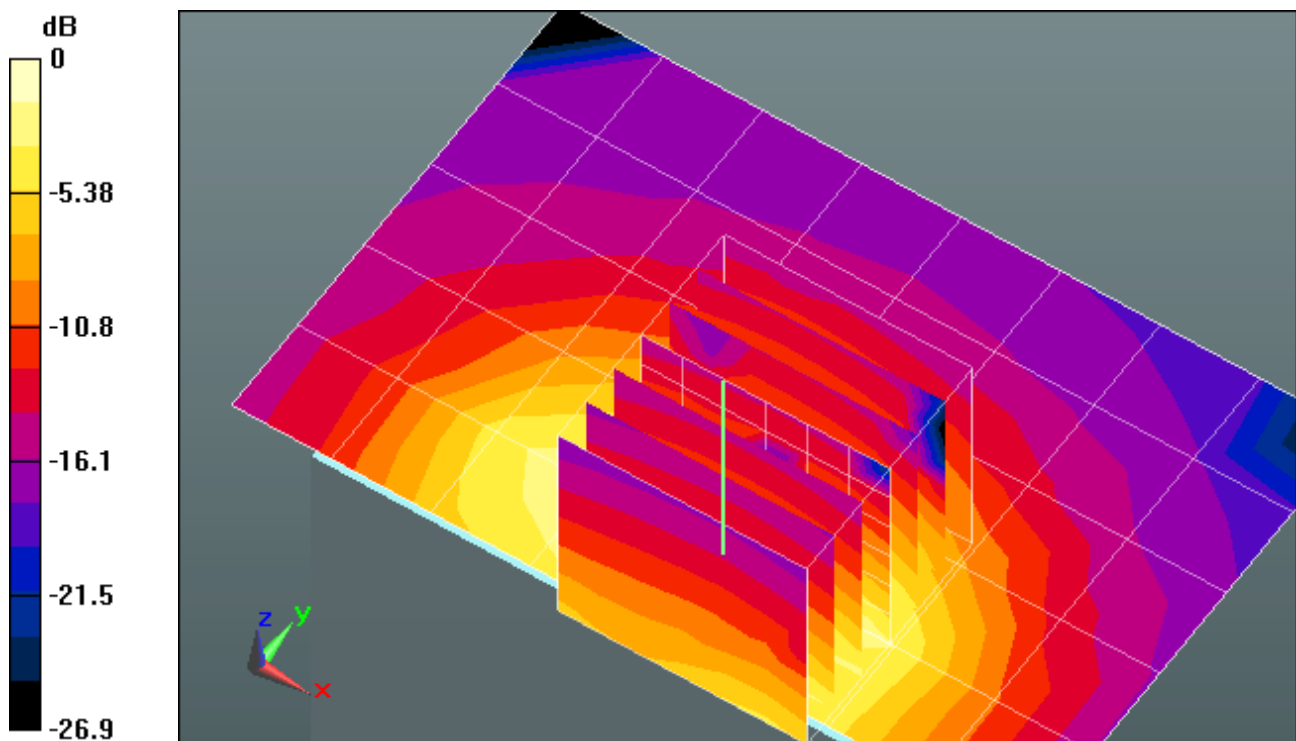
dx=5mm, dy=5mm, dz=5mm

Reference Value = 43.6 V/m; Power Drift = -0.175 dB

Peak SAR (extrapolated) = 5.8 W/kg

**SAR(1 g) = 1.81 mW/g; SAR(10 g) = 0.806 mW/g**

Maximum value of SAR (measured) = 2.04 mW/g



0 dB = 2.04mW/g

**Plot 4: 836.6MHz Top Edge**

Date/Time: 3/28/2011 1:58:25 PM, Date/Time: 3/28/2011 2:03:47 PM

**DUT: Garmin; Serial: 3817573229b**

Communication System: Generic GSM; Frequency: 836.6 MHz  
 Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.975$  mho/m;  $\epsilon_r = 54.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3244; ConvF(6.05, 6.05, 6.05);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1233; Calibrated: 10/13/2010
- Phantom: SAM; Type: QD 000 P40 CC; Serial: 1592
- Measurement SW: DASY52, V52.2 Build 0;

**Flat-Section MSL/836.6 Top 0mm/Area Scan (5x11x1):** Measurement grid:

$dx=14$ mm,  $dy=14$ mm

Maximum value of SAR (measured) = 2.59 mW/g

**Flat-Section MSL/836.6 Top 0mm/Zoom Scan (7x7x7)/Cube 0:** Measurement

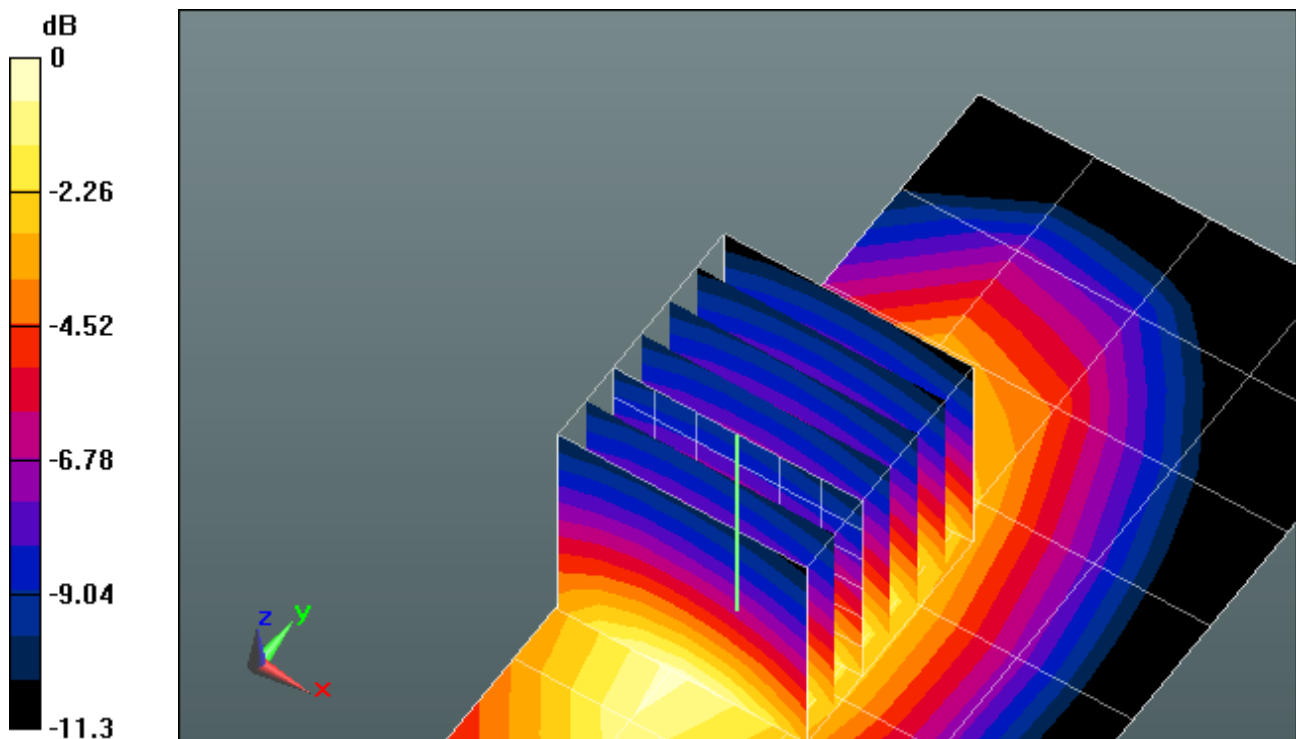
grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 46 V/m; Power Drift = -0.081 dB

Peak SAR (extrapolated) = 3.99 W/kg

**SAR(1 g) = 2.48 mW/g; SAR(10 g) = 1.56 mW/g**

Maximum value of SAR (measured) = 2.71 mW/g



0 dB = 2.71mW/g

**Plot 5: 836.6MHz Bottom Edge**

Date/Time: 3/28/2011 3:27:52 PM, Date/Time: 3/28/2011 3:33:42 PM

**DUT: Garmin; Serial: 3817573229b**

Communication System: Generic GSM; Frequency: 836.6 MHz

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.975$  mho/m;  $\epsilon_r = 54.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3244; ConvF(6.05, 6.05, 6.05);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1233; Calibrated: 10/13/2010
- Phantom: SAM; Type: QD 000 P40 CC; Serial: 1592
- Measurement SW: DASY52, V52.2 Build 0;

**Flat-Section MSL/836.6 Bottom 0mm/Area Scan (5x12x1):** Measurement grid:

dx=14mm, dy=14mm

Maximum value of SAR (measured) = 1.67 mW/g

**Flat-Section MSL/836.6 Bottom 0mm/Zoom Scan (7x7x7)/Cube 0:**

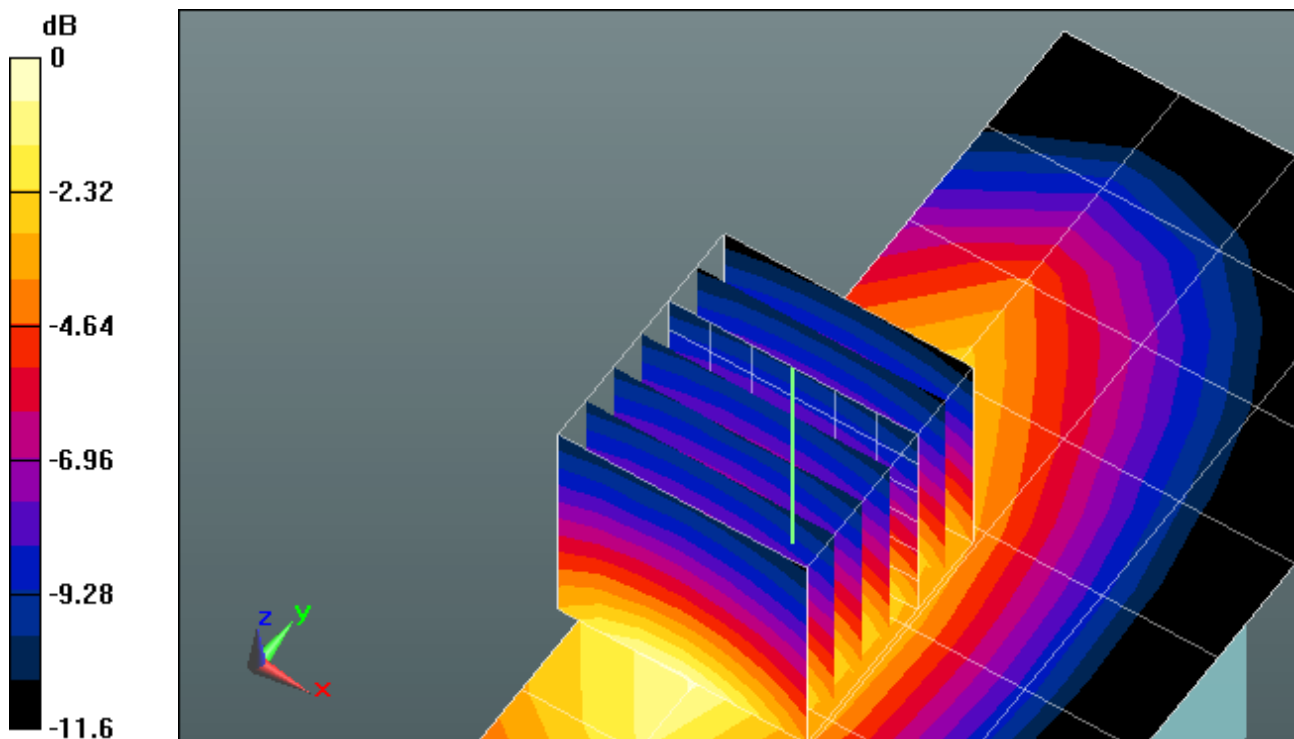
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 41.3 V/m; Power Drift = -0.174 dB

Peak SAR (extrapolated) = 2.63 W/kg

**SAR(1 g) = 1.55 mW/g; SAR(10 g) = 0.951 mW/g**

Maximum value of SAR (measured) = 1.68 mW/g



**Plot 6: 1880MHz Front**

Date/Time: 3/25/2011 1:34:39 PM, Date/Time: 3/25/2011 1:40:49 PM

**DUT: Garmin; Serial: 3817573229b**

Communication System: Generic GSM; Frequency: 1880 MHz  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 52.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY5 Configuration:

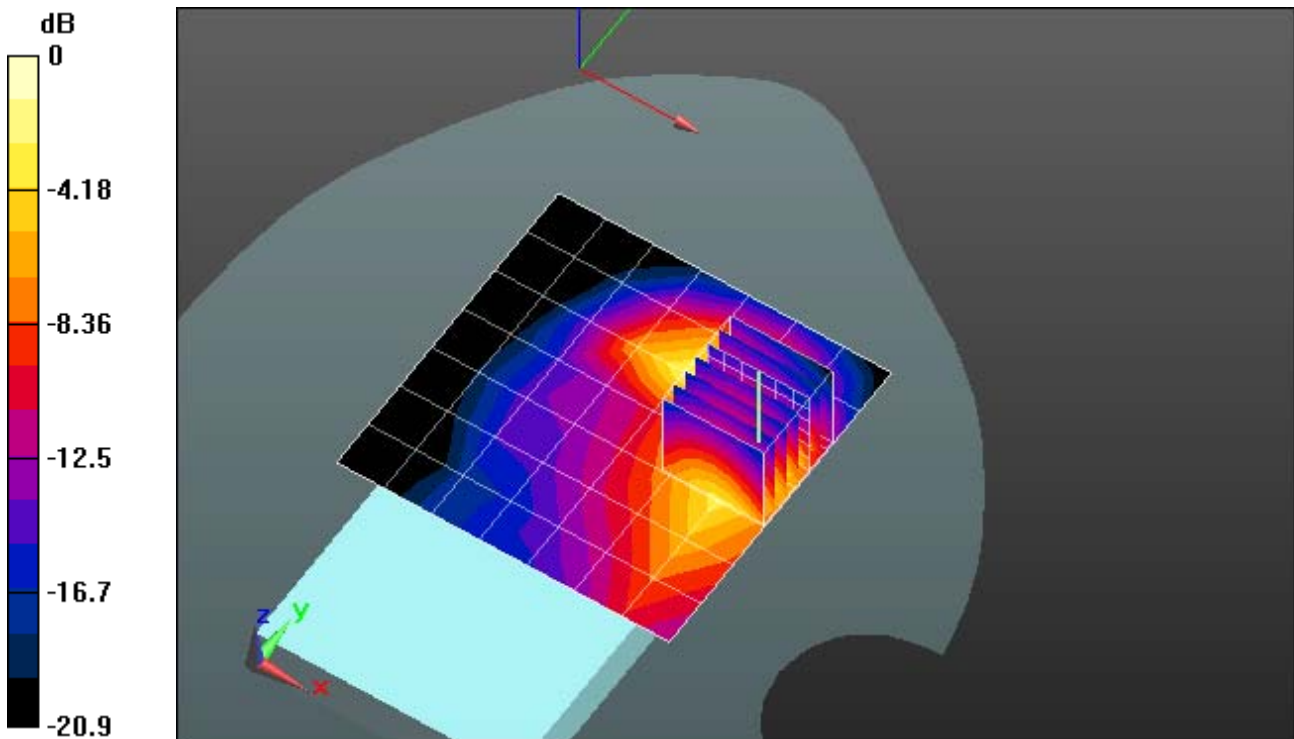
- Probe: ES3DV3 - SN3244; ConvF(4.62, 4.62, 4.62);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1233; Calibrated: 10/13/2010
- Phantom: SAM; Type: QD 000 P40 CC; Serial: 1592
- Measurement SW: DASY52, V52.2 Build 0;

**Flat-Section MSL/1880 Front 0mm/Area Scan (8x8x1):** Measurement grid:

$dx=14$ mm,  $dy=14$ mm  
 Maximum value of SAR (measured) = 1.53 mW/g

**Flat-Section MSL/1880 Front 0mm/Zoom Scan (7x7x7)/Cube 0:** Measurement

grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
 Reference Value = 5.59 V/m; Power Drift = -0.196 dB  
 Peak SAR (extrapolated) = 2.95 W/kg  
**SAR(1 g) = 1.43 mW/g; SAR(10 g) = 0.684 mW/g**  
 Maximum value of SAR (measured) = 1.67 mW/g



0 dB = 1.67mW/g

**Plot 7: 1880MHz Back**

Date/Time: 3/25/2011 10:59:47 AM, Date/Time: 3/25/2011 11:05:58 AM

**DUT: Garmin; Serial: 3817573229b**

Communication System: Generic GSM; Frequency: 1880 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 52.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3244; ConvF(4.62, 4.62, 4.62);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1233; Calibrated: 10/13/2010
- Phantom: SAM; Type: QD 000 P40 CC; Serial: 1592
- Measurement SW: DASY52, V52.2 Build 0;

**Flat-Section MSL/1880 Back 0mm/Area Scan (8x8x1):** Measurement grid:

dx=14mm, dy=14mm

Maximum value of SAR (measured) = 8.55 mW/g

**Flat-Section MSL/1880 Back 0mm/Zoom Scan (7x7x7)/Cube 0:** Measurement

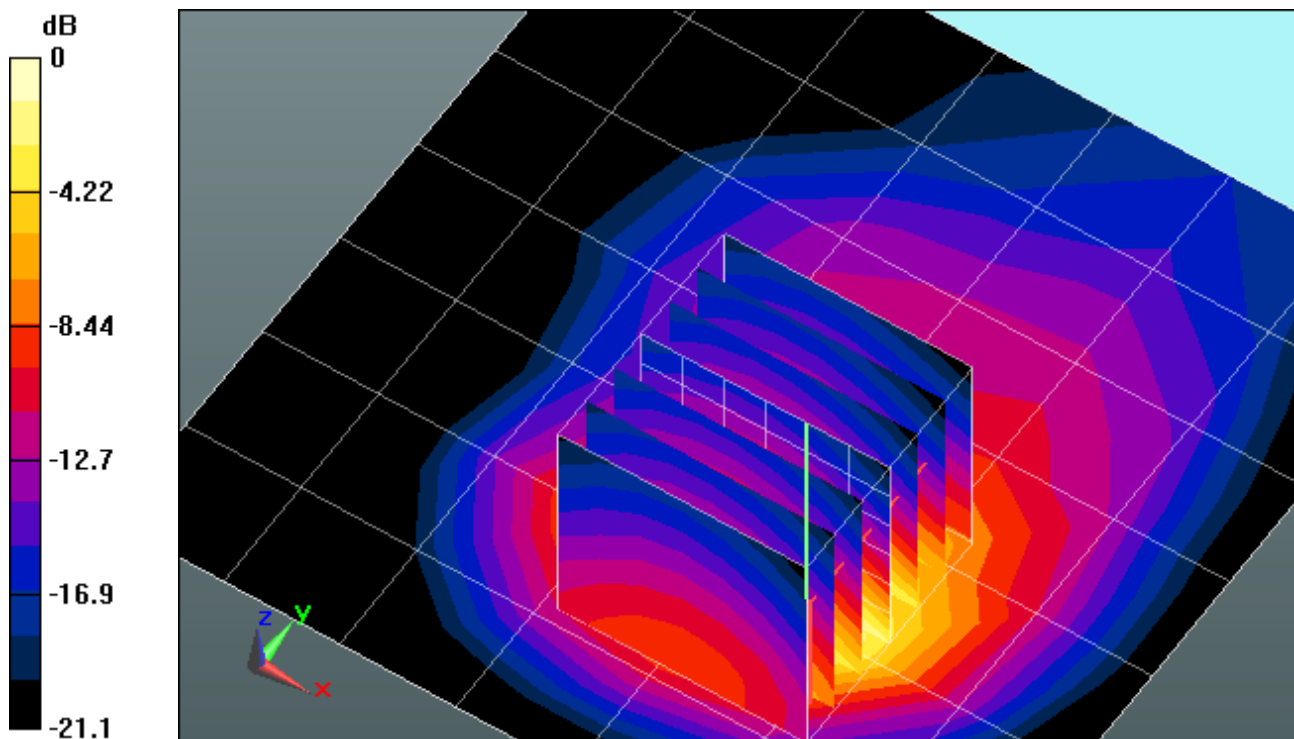
grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.1 V/m; Power Drift = 0.037 dB

Peak SAR (extrapolated) = 19.7 W/kg

**SAR(1 g) = 8.39 mW/g; SAR(10 g) = 3.52 mW/g**

Maximum value of SAR (measured) = 9.99 mW/g



0 dB = 9.99mW/g

**Plot 8: 1880MHz Right Edge**

Date/Time: 3/25/2011 5:30:02 PM, Date/Time: 3/25/2011 5:34:25 PM

**DUT: Garmin Side Edge; Serial: 3817573229b**

Communication System: Generic GSM; Frequency: 1880 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 52.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3244; ConvF(4.62, 4.62, 4.62);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1233; Calibrated: 10/13/2010
- Phantom: SAM; Type: QD 000 P40 CC; Serial: 1592
- Measurement SW: DASY52, V52.2 Build 0;

**Right Edge Flat-Section MSL/1880 Front 0mm/Area Scan (9x5x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 9.98 mW/g

**Right Edge Flat-Section MSL/1880 Front 0mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

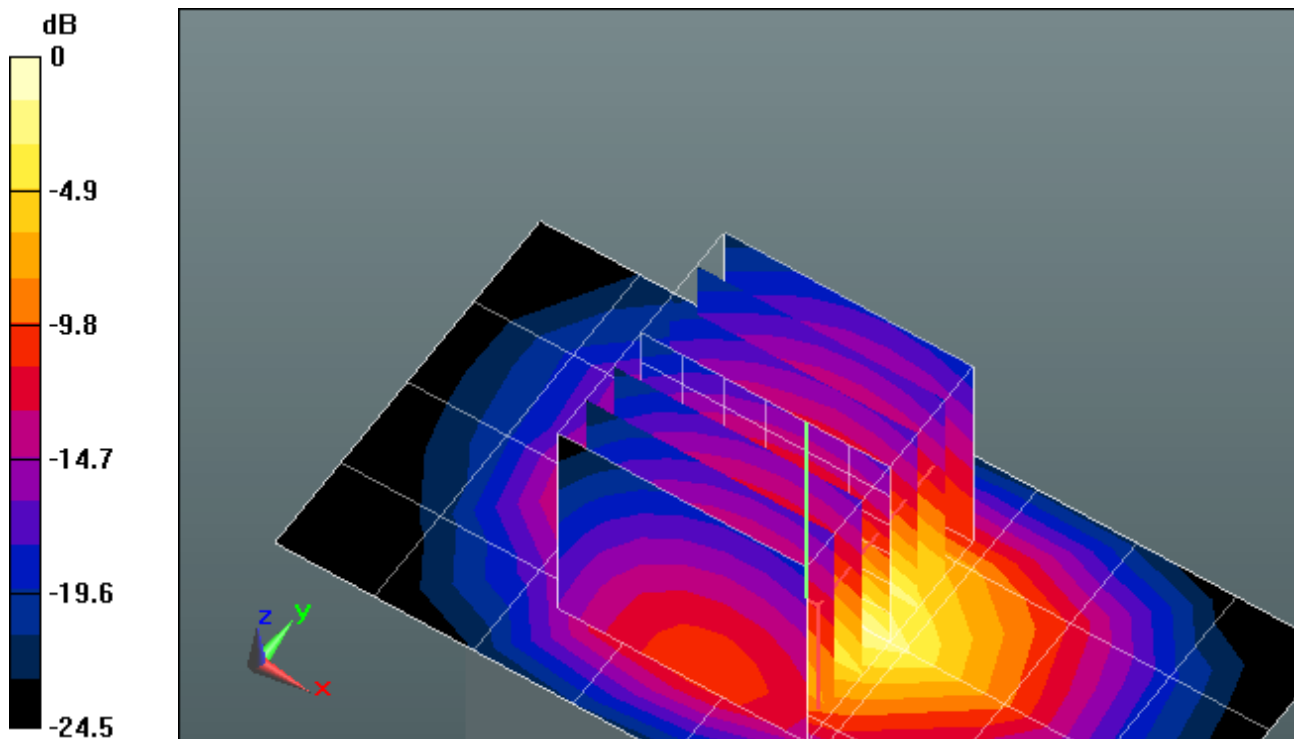
dx=5mm, dy=5mm, dz=5mm

Reference Value = 68.2 V/m; Power Drift = -0.123 dB

Peak SAR (extrapolated) = 18.6 W/kg

**SAR(1 g) = 8.44 mW/g; SAR(10 g) = 3.49 mW/g**

Maximum value of SAR (measured) = 9.96 mW/g



0 dB = 9.96mW/g



**Plot 9: 1880MHz Top Edge**

Date/Time: 3/26/2011 3:49:43 PM, Date/Time: 3/26/2011 3:54:05 PM

**DUT: Garmin; Serial: 3817573229b**

Communication System: Generic GSM; Frequency: 1880 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.57$  mho/m;  $\epsilon_r = 52.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3244; ConvF(4.62, 4.62, 4.62);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1233; Calibrated: 10/13/2010
- Phantom: SAM; Type: QD 000 P40 CC; Serial: 1592
- Measurement SW: DASY52, V52.2 Build 0;

**Flat Section MSL 3-26-11/1800 Top 0mm/Area Scan (5x9x1):** Measurement grid: dx=14mm, dy=14mm  
Maximum value of SAR (measured) = 0.178 mW/g

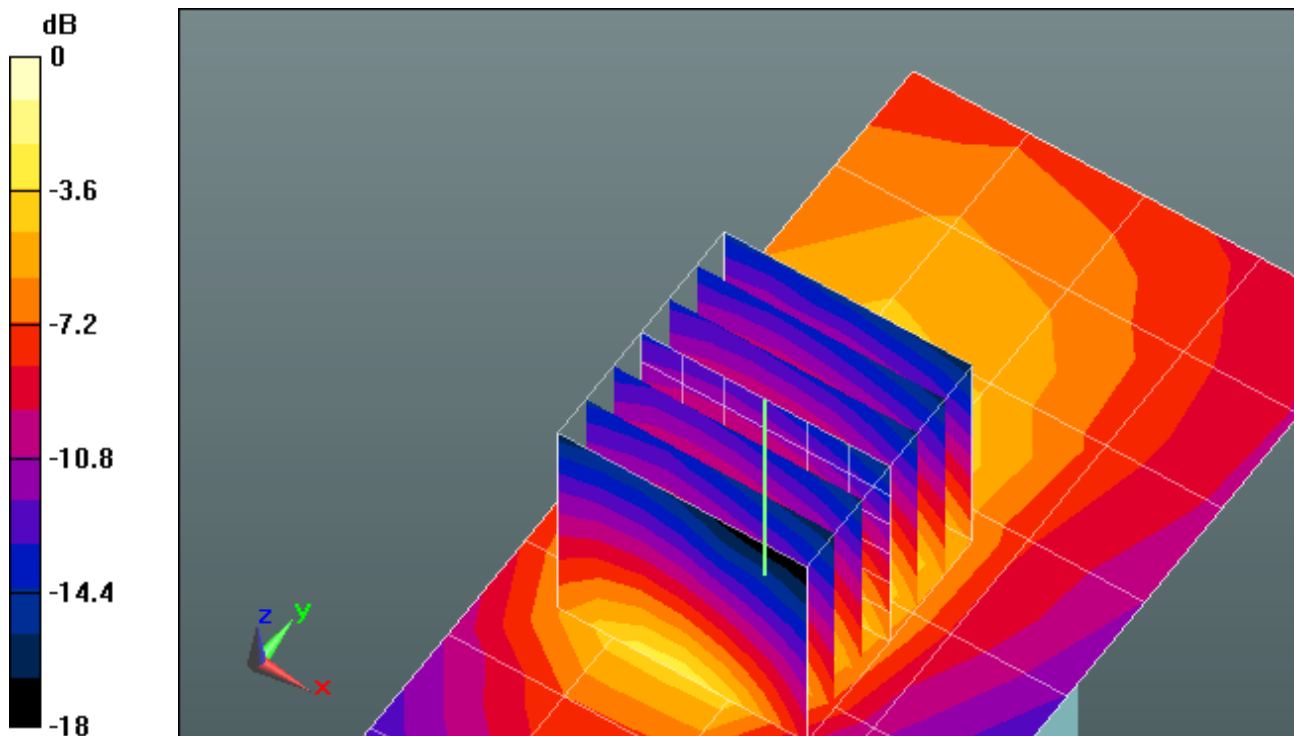
**Flat Section MSL 3-26-11/1800 Top 0mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.74 V/m; Power Drift = -0.035 dB

Peak SAR (extrapolated) = 0.355 W/kg

**SAR(1 g) = 0.210 mW/g; SAR(10 g) = 0.112 mW/g**

Maximum value of SAR (measured) = 0.236 mW/g



0 dB = 0.236mW/g

**Plot 10: 1880MHz Bottom Edge**

Date/Time: 3/26/2011 4:10:54 PM, Date/Time: 3/26/2011 4:15:16 PM

**DUT: Garmin; Serial: 3817573229b**

Communication System: Generic GSM; Frequency: 1880 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.57$  mho/m;  $\epsilon_r = 52.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3244; ConvF(4.62, 4.62, 4.62);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1233; Calibrated: 10/13/2010
- Phantom: SAM; Type: QD 000 P40 CC; Serial: 1592
- Measurement SW: DASY52, V52.2 Build 0;

**Flat Section MSL 3-26-11/1800 Bottom 0mm/Area Scan (5x9x1):** Measurement grid: dx=14mm, dy=14mm

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

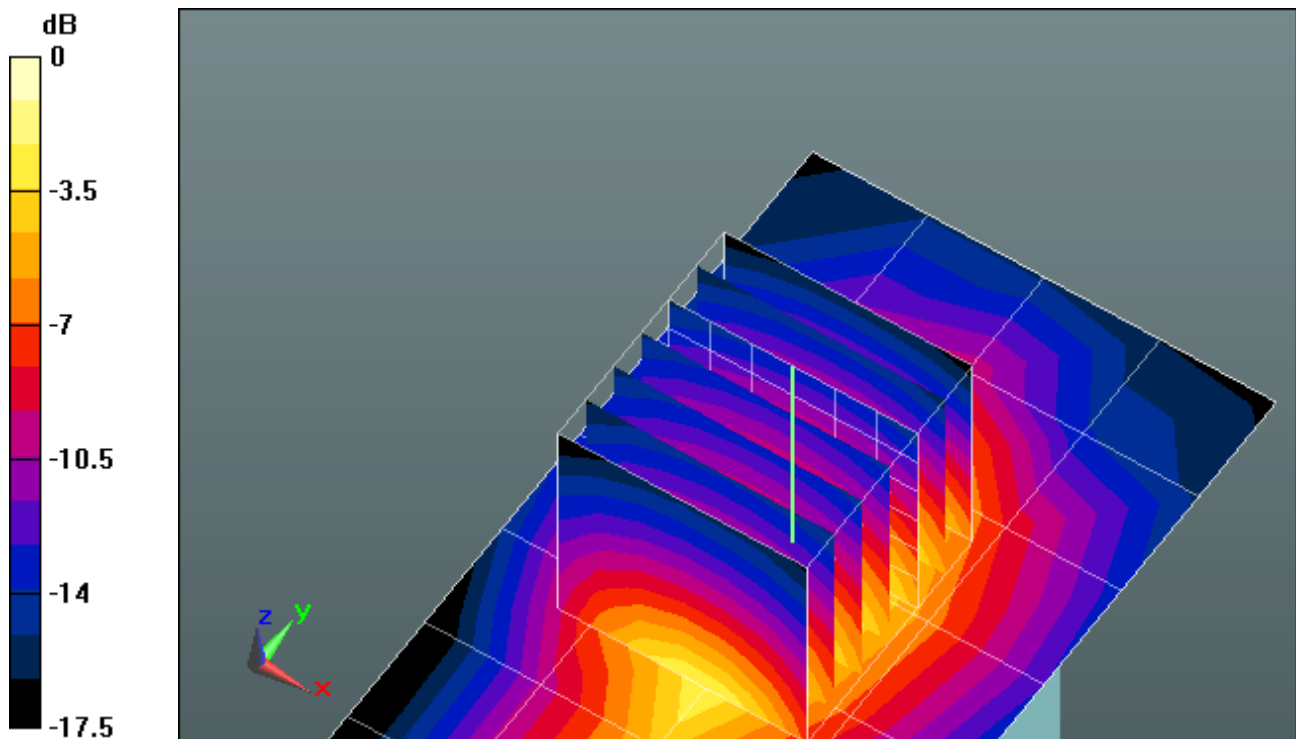
**Flat Section MSL 3-26-11/1800 Bottom 0mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.5 V/m; Power Drift = -0.012 dB

Peak SAR (extrapolated) = 2.01 W/kg

**SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.563 mW/g**

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



0 dB = 1.23mW/g

**Plot 11: 835MHz Dipole Verification – 2011/03/28**

Date/Time: 3/28/2011 10:05:16 AM, Date/Time: 3/28/2011 10:11:43 AM

**DUT: Dipole 835 MHz D835V2; Serial: D835V2 - SN:4d113**

Communication System: CW; Frequency: 835 MHz

Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.975 \text{ mho/m}$ ;  $\epsilon_r = 54.2$ ;  $\rho = 1000 \text{ kg/m}^3$

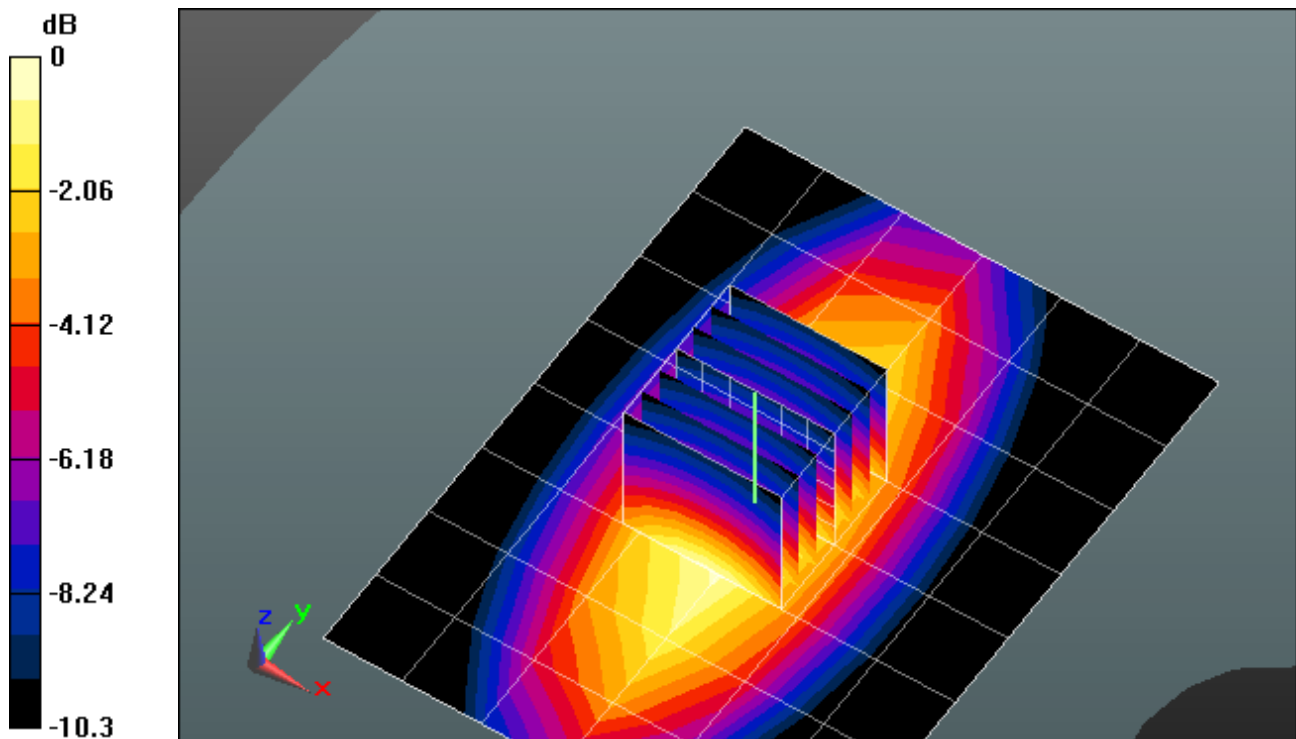
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3244; ConvF(6.05, 6.05, 6.05);
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1233; Calibrated: 10/13/2010
- Phantom: SAM; Type: QD 000 P40 CC; Serial: 1592
- Measurement SW: DASY52, V52.2 Build 0;

**System Performance Check at Frequencies below 1 GHz/d=15mm, Pin=1W, dist=3.0mm (ES-Probe)/Area Scan (7x9x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 11.6 mW/g

**System Performance Check at Frequencies below 1 GHz/d=15mm, Pin=1W, dist=3.0mm (ES-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 113.9 V/m; Power Drift = -0.129 dB  
Peak SAR (extrapolated) = 15.3 W/kg  
**SAR(1 g) = 10.2 mW/g; SAR(10 g) = 6.67 mW/g**  
Maximum value of SAR (measured) = 12 mW/g



0 dB = 12mW/g

**Plot 12: 1900MHz Dipole Verification – 2011/03/25**

Date/Time: 3/25/2011 9:10:17 AM, Date/Time: 3/25/2011 9:05:16 AM

**SystemPerformanceCheck-D1900\_3-25-11**

**DUT: Dipole 1900 MHz D1900V2; Serial: D1900V2 - SN:5d135**

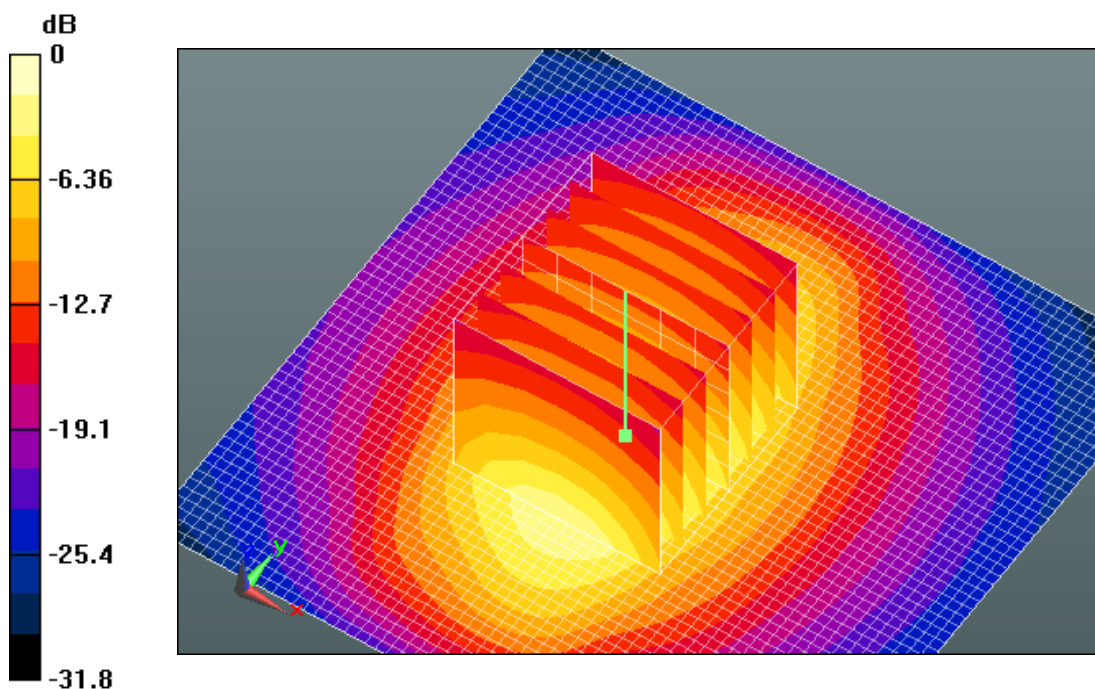
Communication System: CW; Frequency: 1900 MHz  
 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 51.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3244; ConvF(4.62, 4.62, 4.62);
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1233; Calibrated: 10/13/2010
- Phantom: SAM; Type: QD 000 P40 CC; Serial: 1592
- Measurement SW: DASY52, V52.2 Build 0;

**System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=xx mW, dist=3.0mm (ES-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 198.6 V/m; Power Drift = 0.050 dB  
 Peak SAR (extrapolated) = 77.5 W/kg  
**SAR(1 g) = 43.6 mW/g; SAR(10 g) = 22.4 mW/g**  
 Maximum value of SAR (measured) = 55.9 mW/g

**System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=xx mW, dist=3.0mm (ES-Probe)/Area Scan (61x61x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 54 mW/g



0 dB = 54mW/g

**Plot 13: 1900MHz Dipole Verification – 2011/03/26**

Date/Time: 3/26/2011 1:47:26 PM, Date/Time: 3/26/2011 1:55:12 PM

**DUT: Dipole 1900 MHz D1900V2; Serial: D1900V2 - SN: 5d135**

Communication System: CW; Frequency: 1900 MHz  
 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.58$  mho/m;  $\epsilon_r = 52$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY5 Configuration:

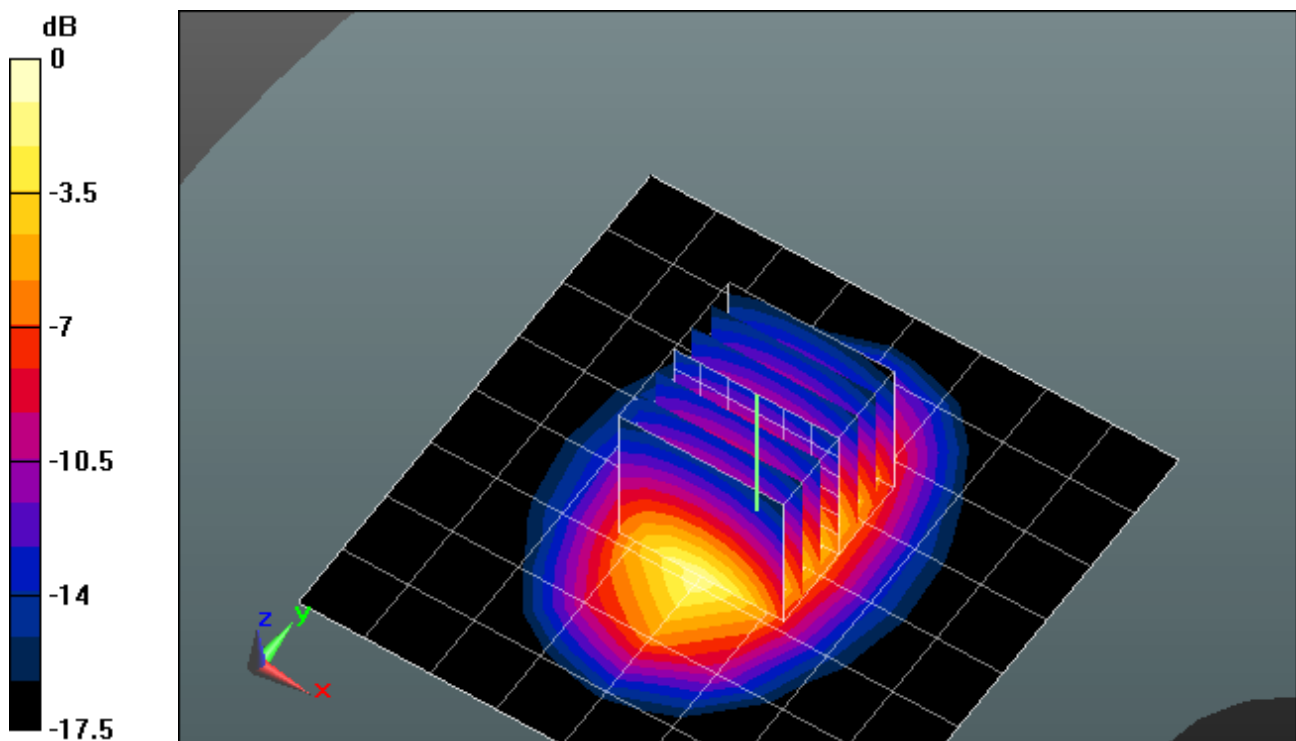
- Probe: ES3DV3 - SN3244; ConvF(4.62, 4.62, 4.62);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1233; Calibrated: 10/13/2010
- Phantom: SAM; Type: QD 000 P40 CC; Serial: 1592
- Measurement SW: DASY52, V52.2 Build 0;

**System Check 1900 MSL 3-26-11/System Performance Check - 3-26-11/Area Scan (9x9x1):**

Measurement grid: dx=12mm, dy=12mm  
 Maximum value of SAR (measured) = 47.4 mW/g

**System Check 1900 MSL 3-26-11/System Performance Check - 3-26-11/Zoom Scan (7x7x7)/Cube 0:**

Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 175.2 V/m; Power Drift = 0.119 dB  
 Peak SAR (extrapolated) = 74.6 W/kg  
**SAR(1 g) = 42.3 mW/g; SAR(10 g) = 22 mW/g**  
 Maximum value of SAR (measured) = 47.8 mW/g



0 dB = 47.8mW/g