

Plot 1: 836.6MHz Front

Date/Time: 3/28/2011 11:42:04 AM, Date/Time: 3/28/2011 11:48:19 AM

DUT: Garmin; Serial: 25A000119

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/m³

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) = 1.53 mW/g

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

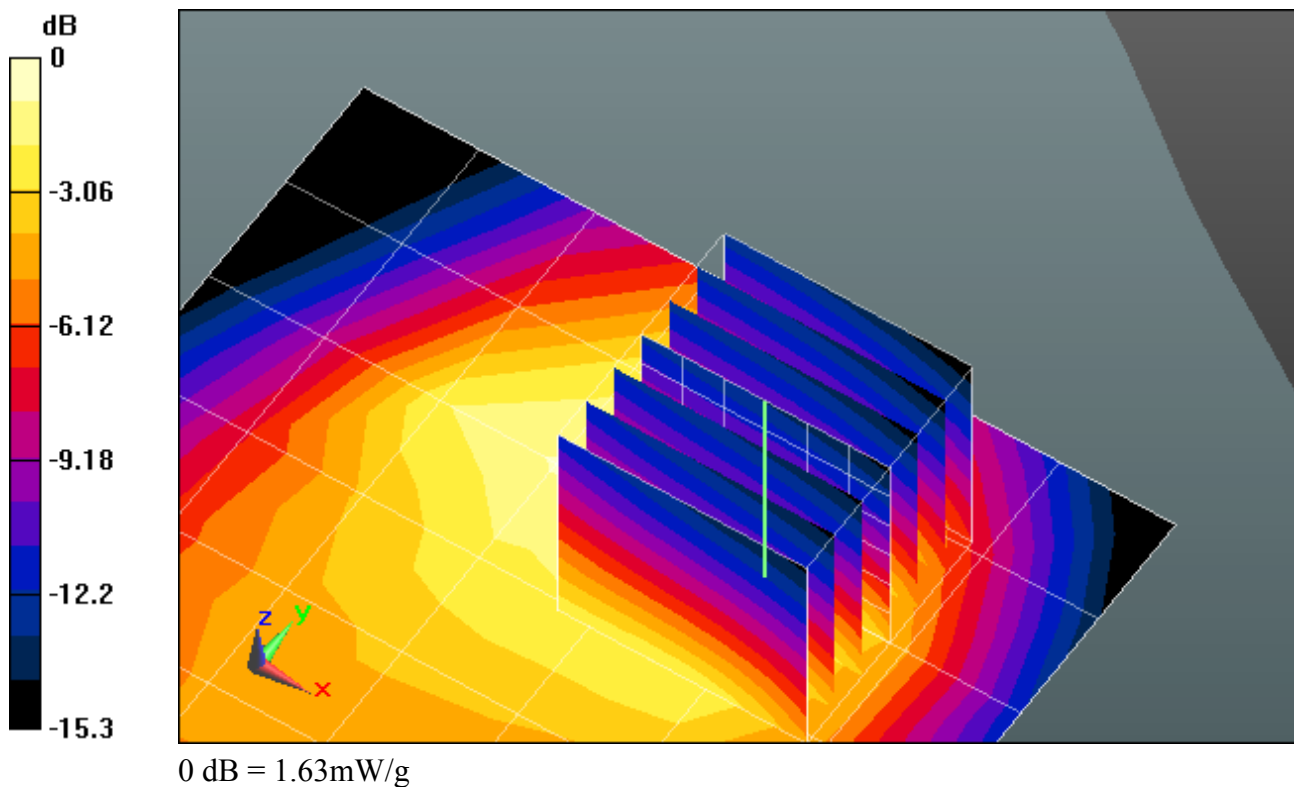
grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.7 V/m; Power Drift = -0.0028 dB

Peak SAR (extrapolated) = 3.24 W/kg

SAR(1 g) = 1.5 mW/g; SAR(10 g) = 0.817 mW/g

Maximum value of SAR (measured) = 1.63 mW/g



Plot 2: 836.6MHz Back

Date/Time: 3/28/2011 12:02:40 PM, Date/Time: 3/28/2011 12:08:52 PM

DUT: Garmin; Serial: 25A000119

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/m³

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=14mm, dy=14mm

Maximum value of SAR (measured) = 3.45 mW/g

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

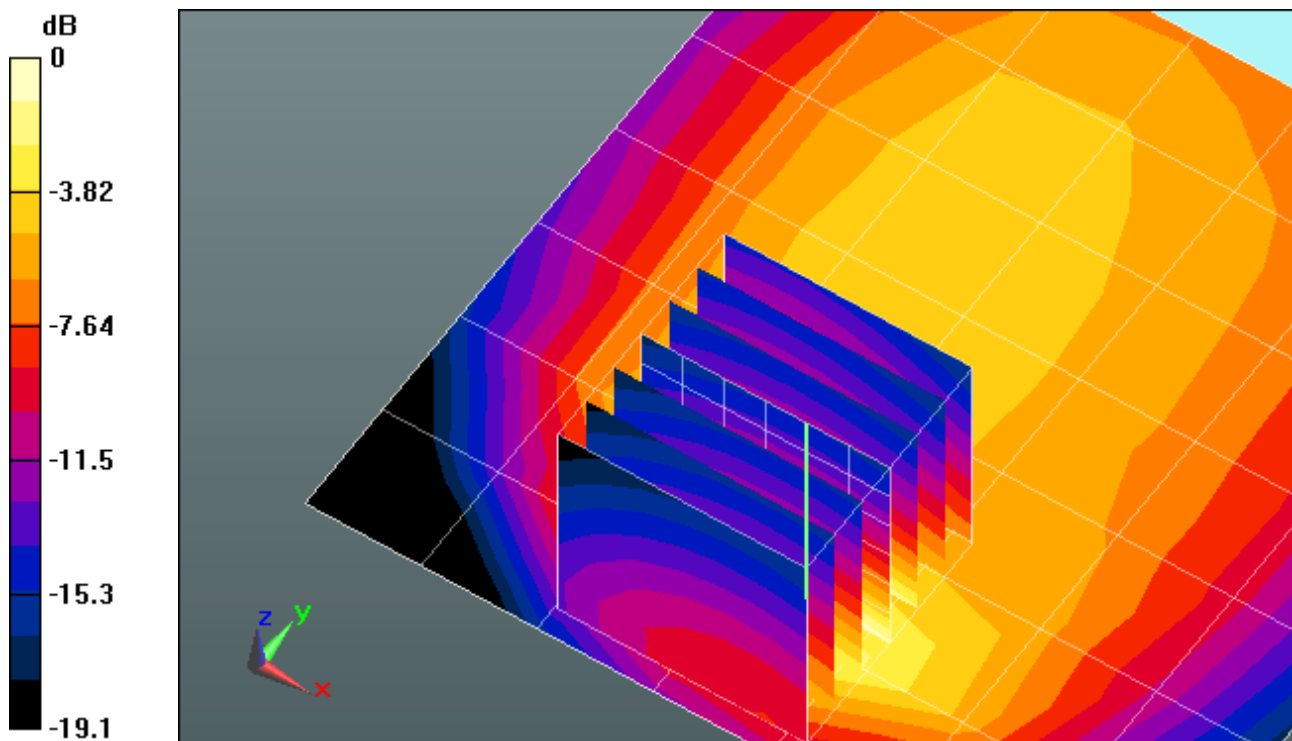
grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 42.2 V/m; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 13.7 W/kg

SAR(1 g) = 4.78 mW/g; SAR(10 g) = 2.15 mW/g

Maximum value of SAR (measured) = 5.49 mW/g



Plot 3: 836.6MHz Right Edge

Date/Time: 3/28/2011 6:14:55 PM, Date/Time: 3/28/2011 6:20:08 PM

DUT: Garmin Side Edge; Serial: 25A000119

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/m³

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) = 2.23 mW/g

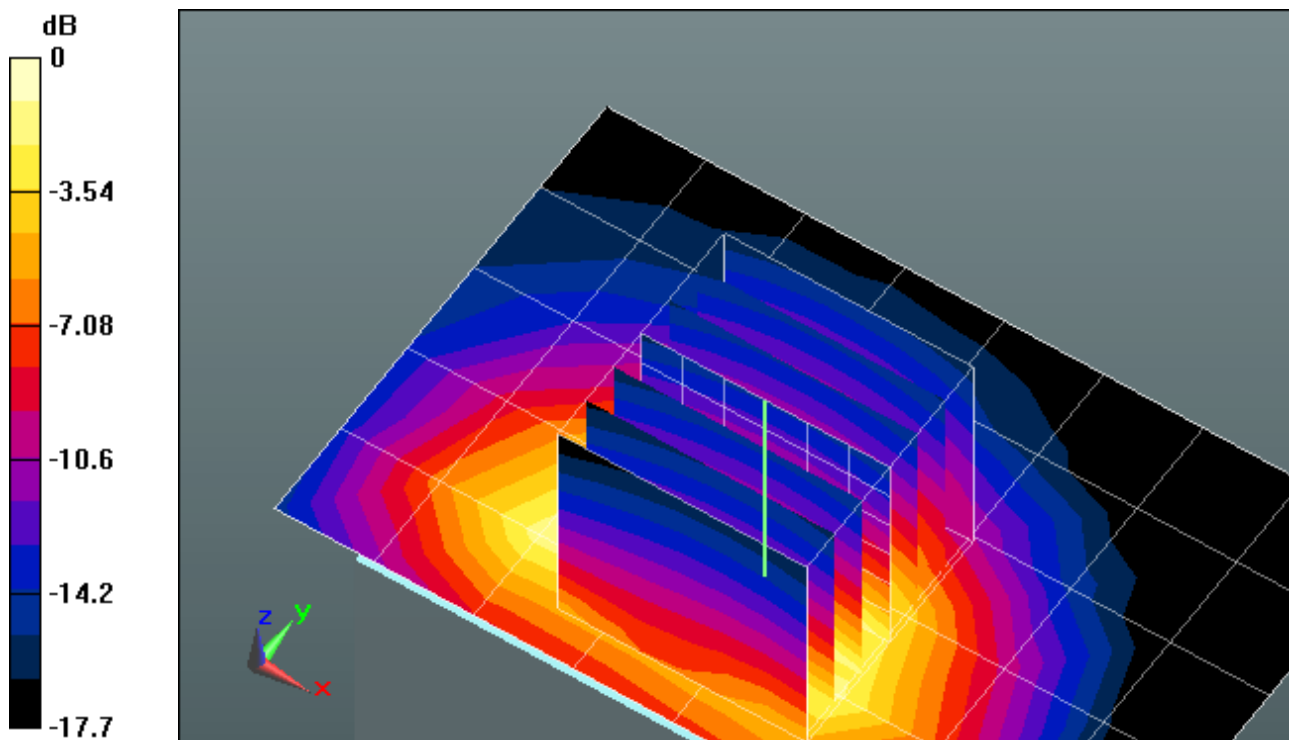
Right Edge Flat-Section MSL/836.6 Front 0mm/Zoom Scan (7x7x7)/Cube**0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 36.6 V/m; Power Drift = -0.060 dB

Peak SAR (extrapolated) = 6.94 W/kg

SAR(1 g) = 2.7 mW/g; SAR(10 g) = 1.23 mW/g

Maximum value of SAR (measured) = 2.99 mW/g



Plot 4: 836.6MHz Top Edge

Date/Time: 3/28/2011 2:33:39 PM, Date/Time: 3/28/2011 2:37:49 PM

DUT: Garmin; Serial: 25A000119

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/m³

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 (5x8x1): Measurement grid:

dx=14mm, dy=14mm

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

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

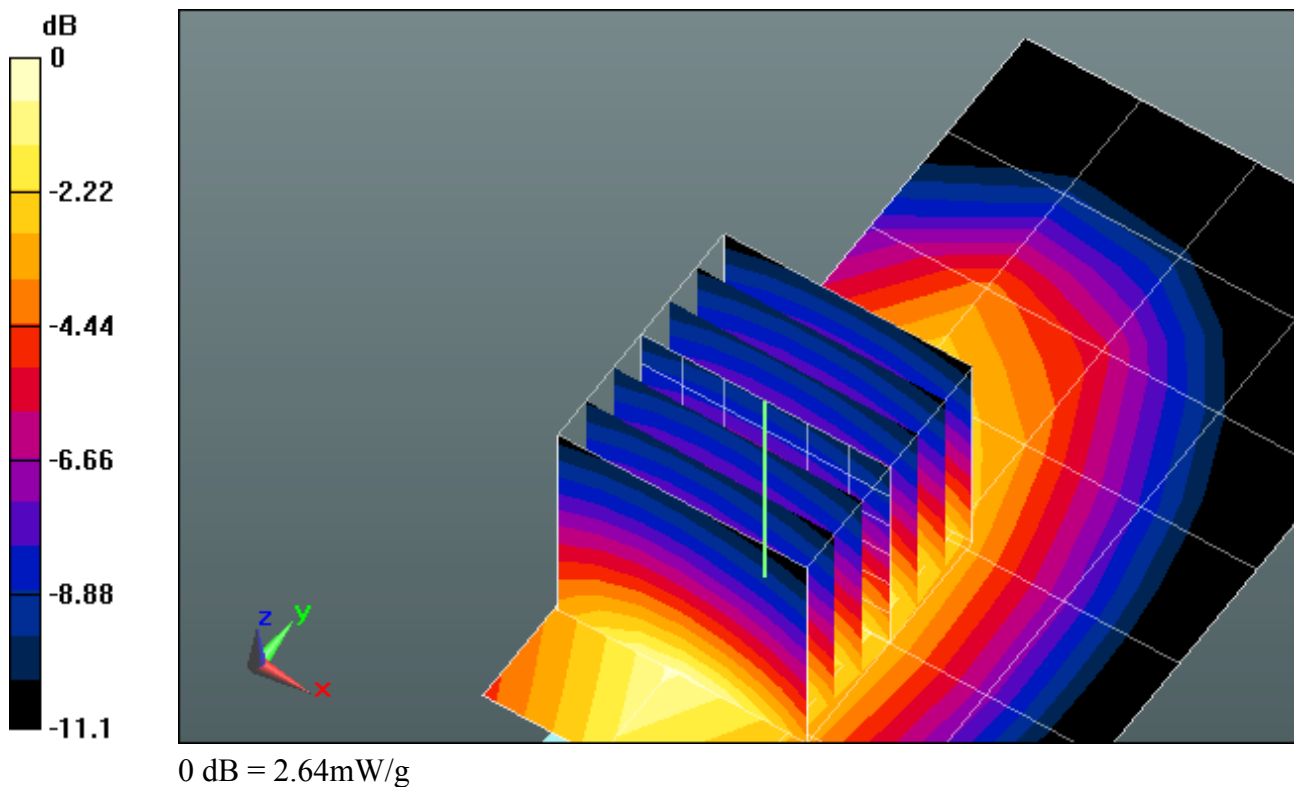
grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 44.4 V/m; Power Drift = -0.051 dB

Peak SAR (extrapolated) = 3.91 W/kg

SAR(1 g) = 2.42 mW/g; SAR(10 g) = 1.52 mW/g

Maximum value of SAR (measured) = 2.64 mW/g



Plot 5: 836.6MHz Bottom Edge

Date/Time: 3/28/2011 5:05:21 PM, Date/Time: 3/28/2011 5:09:43 PM

DUT: Garmin; Serial: 25A000119

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/m³

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 (5x9x1): Measurement grid:

dx=14mm, dy=14mm

Maximum value of SAR (measured) = 2.31 mW/g

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

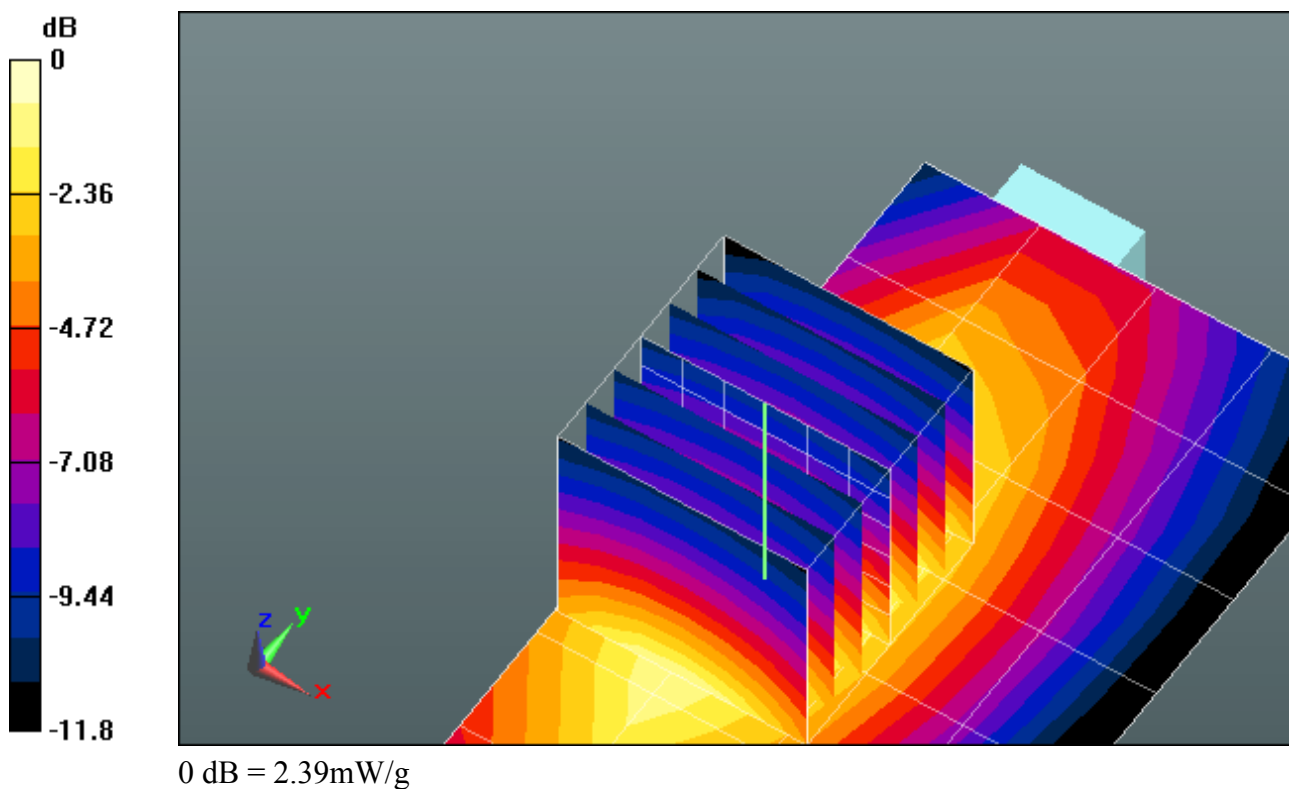
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 42.7 V/m; Power Drift = -0.172 dB

Peak SAR (extrapolated) = 3.61 W/kg

SAR(1 g) = 2.18 mW/g; SAR(10 g) = 1.34 mW/g

Maximum value of SAR (measured) = 2.39 mW/g



Plot 6: 1880MHz Front

Date/Time: 3/25/2011 3:50:19 PM, Date/Time: 3/25/2011 3:56:30 PM

DUT: Garmin; Serial: 25A000119

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/m³

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=14mm, dy=14mm

Maximum value of SAR (measured) = 1.94 mW/g

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

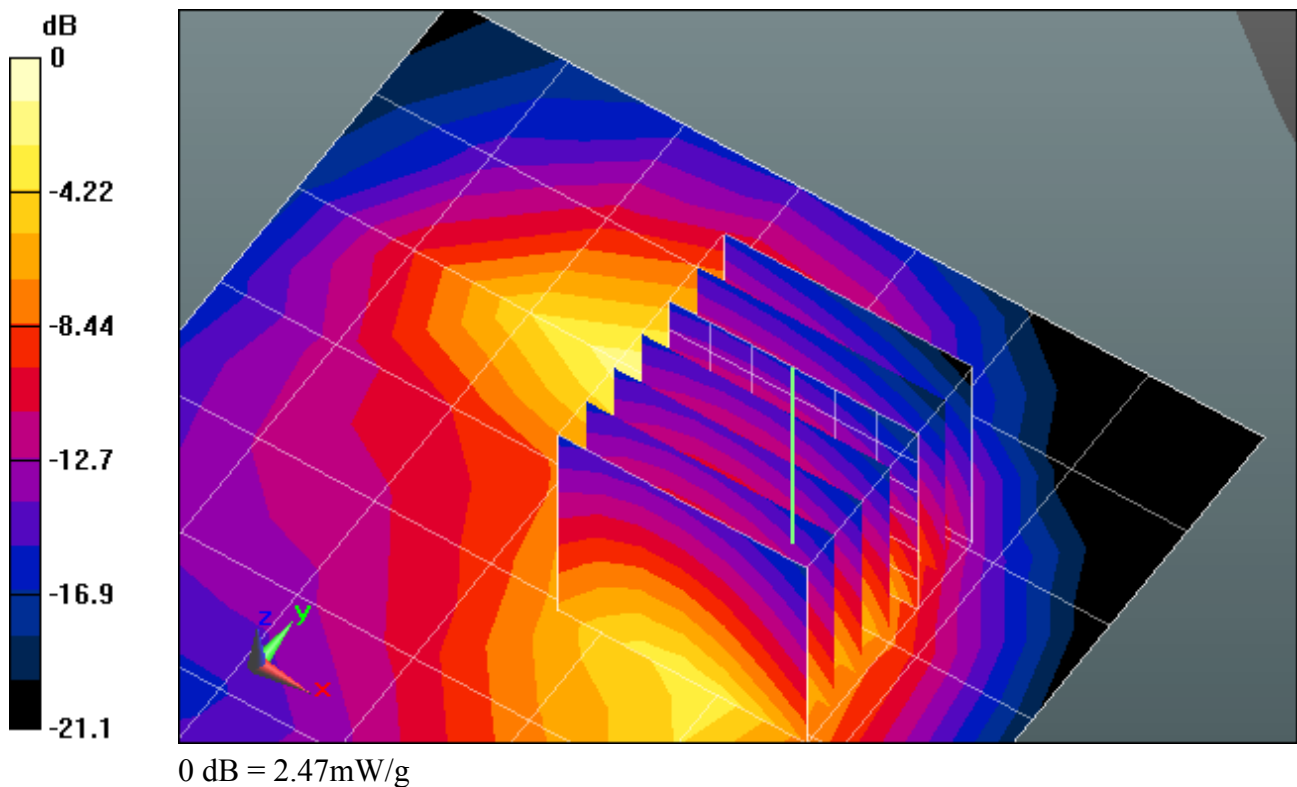
grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.63 V/m; Power Drift = 0.070 dB

Peak SAR (extrapolated) = 4.47 W/kg

SAR(1 g) = 2.16 mW/g; SAR(10 g) = 1.05 mW/g

Maximum value of SAR (measured) = 2.47 mW/g



Plot 7: 1880MHz Back

Date/Time: 3/25/2011 3:28:38 PM, Date/Time: 3/25/2011 3:35:19 PM

DUT: Garmin; Serial: 25A000119

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/m³

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) = 8.78 mW/g

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

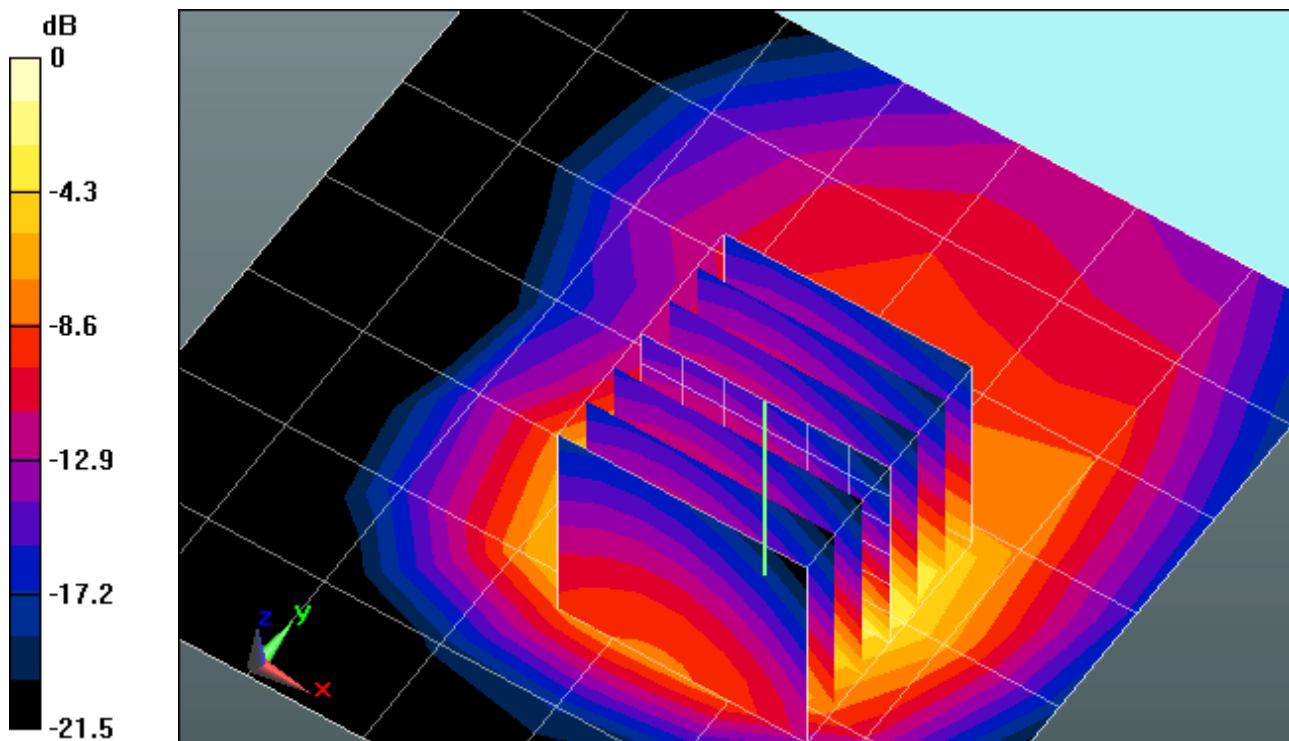
grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.7 V/m; Power Drift = -0.057 dB

Peak SAR (extrapolated) = 14 W/kg

SAR(1 g) = 6.76 mW/g; SAR(10 g) = 3.07 mW/g

Maximum value of SAR (measured) = 7.99 mW/g



0 dB = 7.99mW/g

Plot 8: 1880MHz Right Edge

Date/Time: 3/25/2011 4:34:30 PM, Date/Time: 3/25/2011 4:38:52 PM

DUT: Garmin Side Edge; Serial: 25A000119

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/m³

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) = 9.52 mW/g

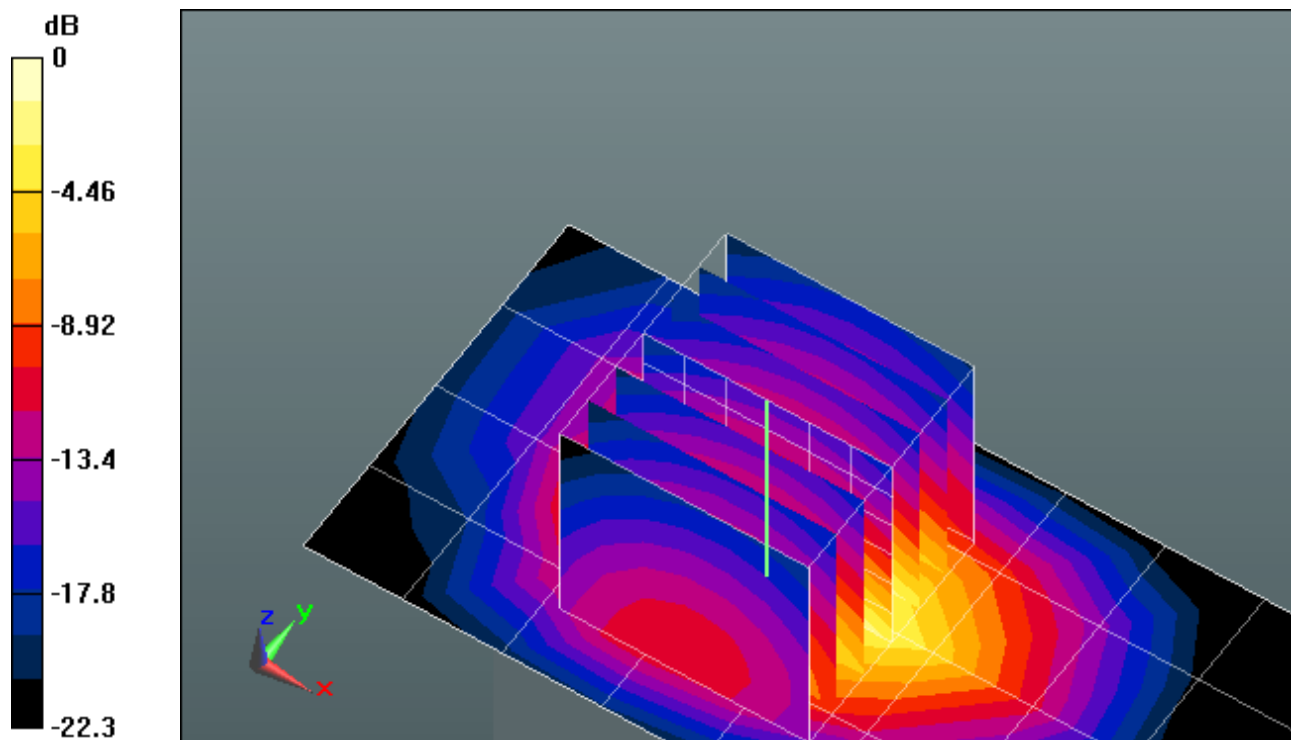
Right Edge Flat-Section MSL/1880 Front 0mm/Zoom Scan (7x7x7)/Cube**0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 65.4 V/m; Power Drift = -0.199 dB

Peak SAR (extrapolated) = 18.9 W/kg

SAR(1 g) = 8.6 mW/g; SAR(10 g) = 3.65 mW/g

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



0 dB = 10.3mW/g

Plot 9: 1880MHz Top Edge

Date/Time: 3/25/2011 6:09:03 PM, Date/Time: 3/25/2011 6:23:18 PM

DUT: Garmin; Serial: 25A000119

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/m³

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/1800 Top 0mm/Area Scan (5x8x1): Measurement grid: dx=14mm, dy=14mm

Maximum value of SAR (measured) = 0.460 mW/g

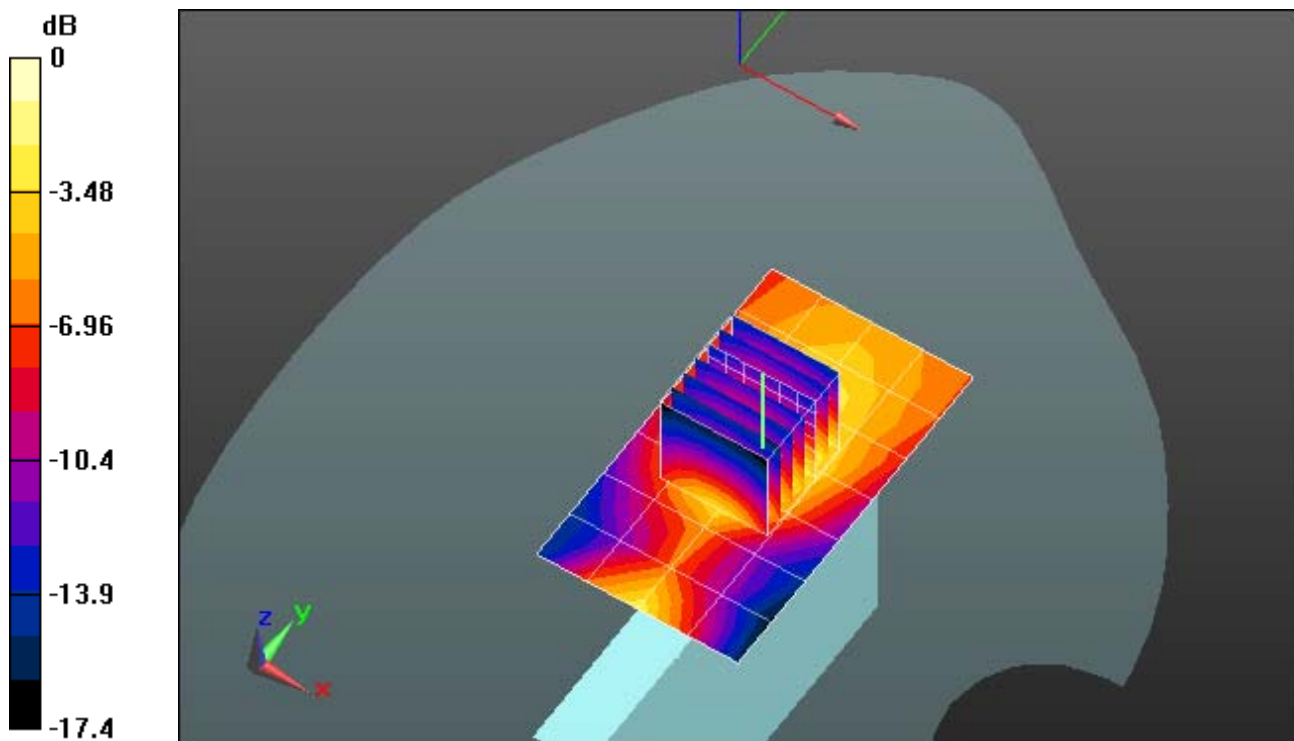
Flat-Section MSL/1800 Top 0mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.48 V/m; Power Drift = -0.064 dB

Peak SAR (extrapolated) = 0.636 W/kg

SAR(1 g) = 0.376 mW/g; SAR(10 g) = 0.203 mW/g

Maximum value of SAR (measured) = 0.417 mW/g



0 dB = 0.417mW/g

Plot 10: 1880MHz Bottom Edge

Date/Time: 3/26/2011 3:08:08 PM, Date/Time: 3/26/2011 3:13:52 PM

DUT: Garmin; Serial: 25A000119

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/m³

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 (5x11x1):

Measurement grid: dx=14mm, dy=14mm

Maximum value of SAR (measured) = 1.85 mW/g

Flat Section MSL 3-26-11/1800 Bottom 0mm/Zoom Scan (7x7x7)/Cube 0:

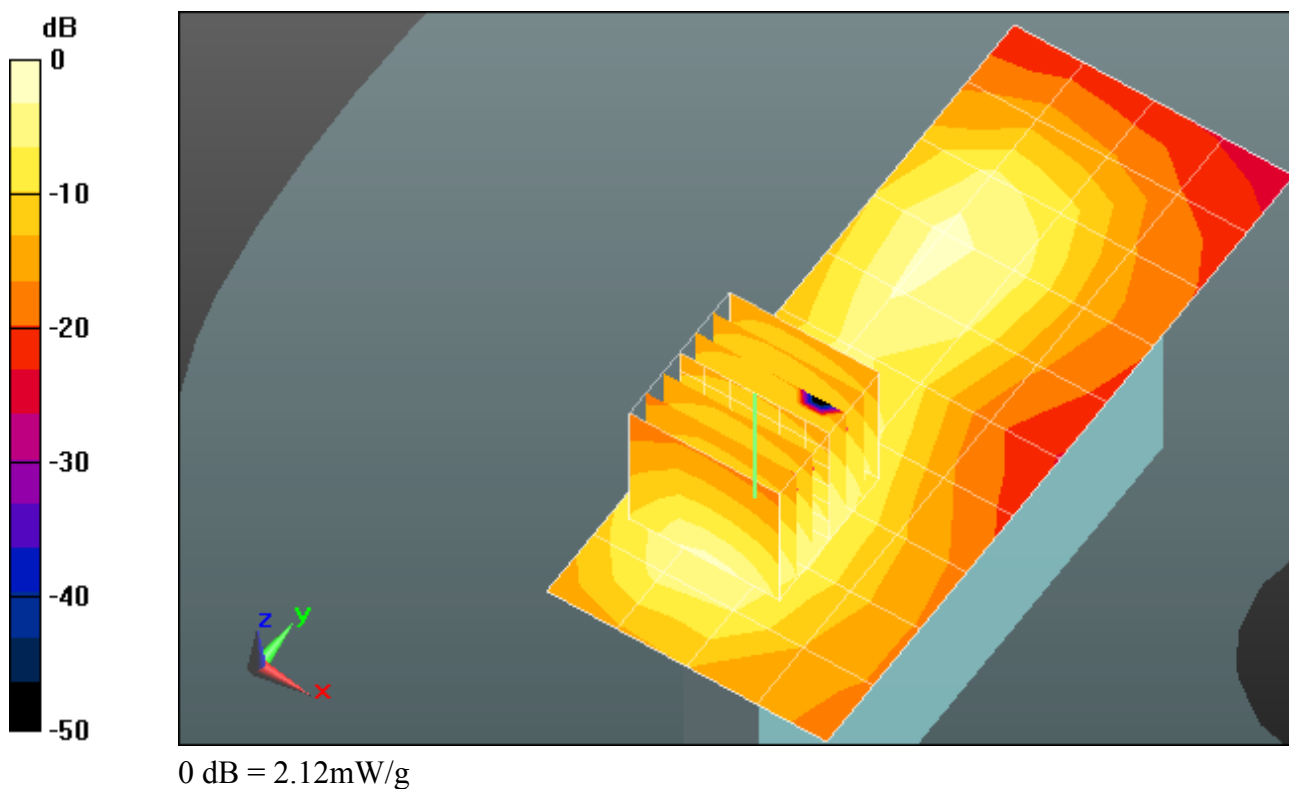
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.3 V/m; Power Drift = 0.183 dB

Peak SAR (extrapolated) = 3.48 W/kg

SAR(1 g) = 1.89 mW/g; SAR(10 g) = 0.951 mW/g

Maximum value of SAR (measured) = 2.12 mW/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: $f = 835$ MHz; $\sigma = 0.975$ mho/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³

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

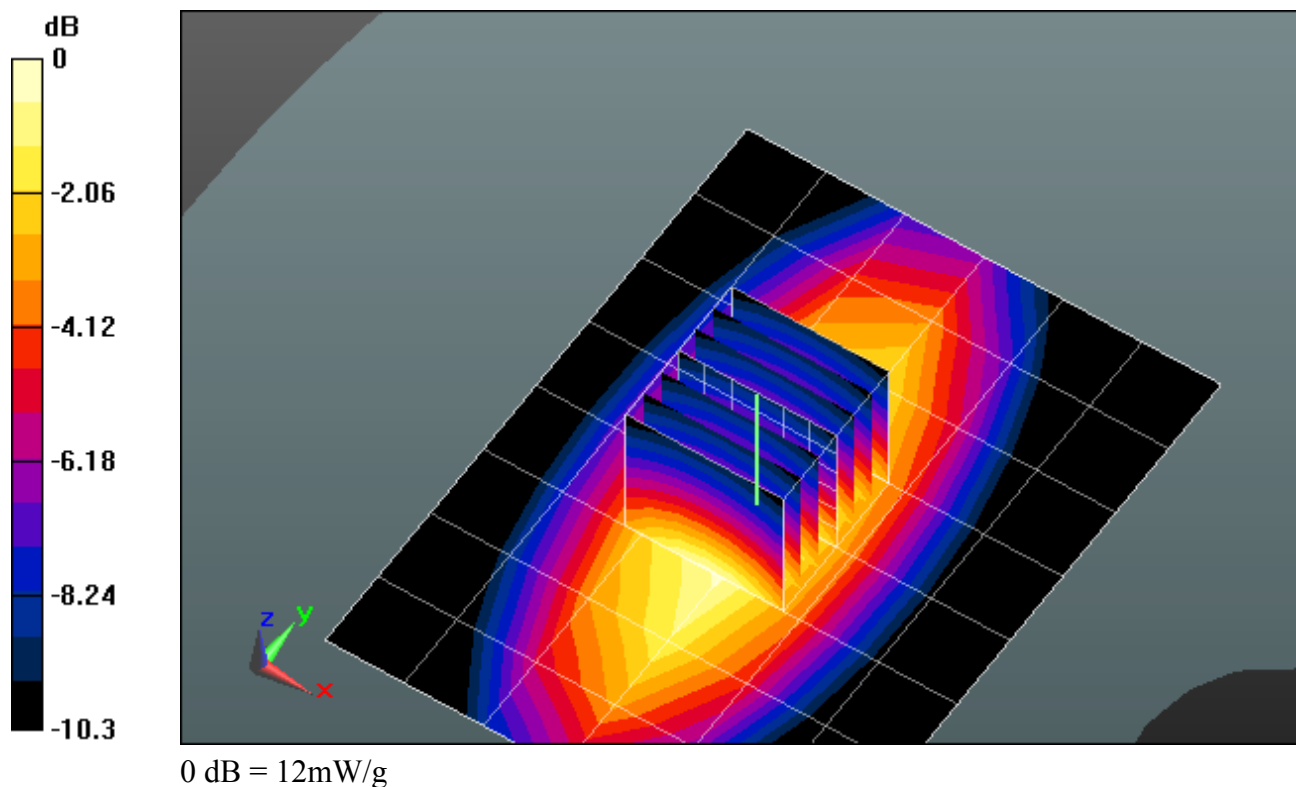
System Performance Check at Frequencies below 1 GHz/d=15mm, Pin=1W, dist=3.0mm (ES-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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



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/m³

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

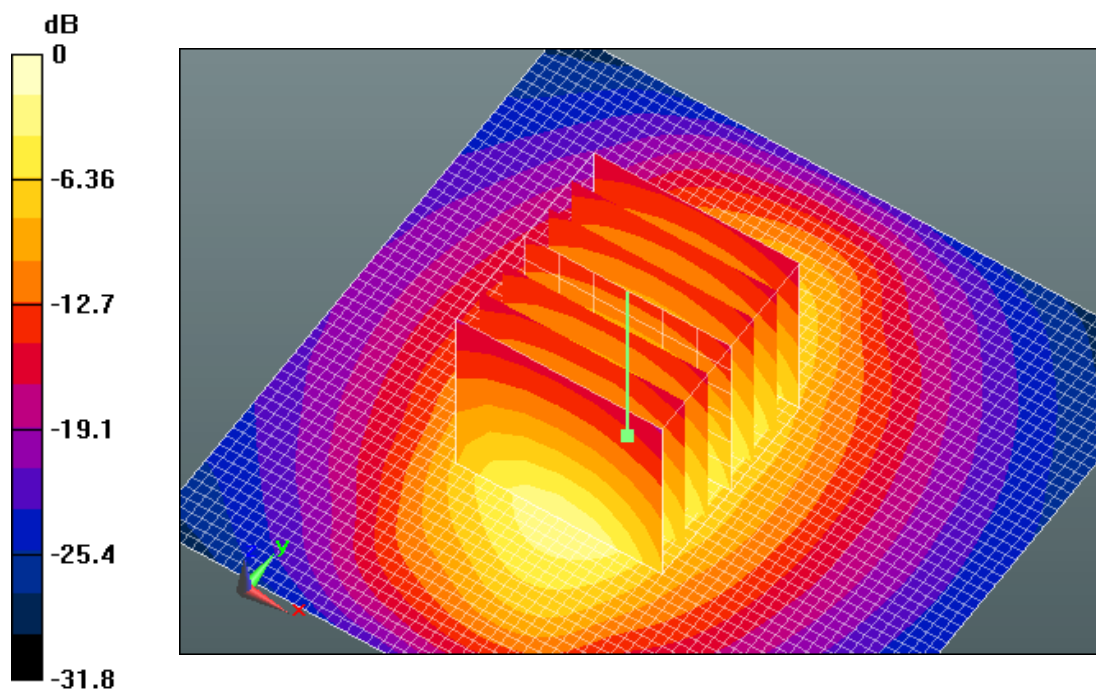
Peak SAR (extrapolated) = 77.5 W/kg

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/m³

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

