

**Plot 1:**

Date/Time: 6/6/2012 3:19:48 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U2:2KM000250**

Communication System: GPRS 4 TS; Frequency: 836.6 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.994$  mho/m;  $\epsilon_r = 53.47$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 23.8C; Medium Temperature: 22.3C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASYS2 52.8.0(692);

**Flat-Section 6-6/Front 0mm\_4Up TS\_836.6MHz\_u2/Area Scan (8x12x1):**Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 1.647 mW/g

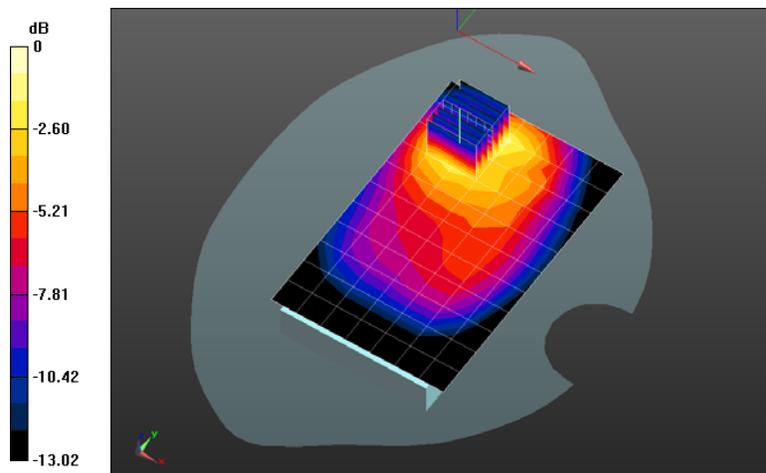
**Flat-Section 6-6/Front 0mm\_4Up TS\_836.6MHz\_u2/Zoom Scan****(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 20.688 V/m; Power Drift = -0.0054 dB

Peak SAR (extrapolated) = 2.4060

**SAR(1 g) = 1.38 mW/g; SAR(10 g) = 0.798 mW/g**

Maximum value of SAR (measured) = 1.674 mW/g



0 dB = 1.670mW/g = 4.45 dB mW/g

**Plot 2:**

Date/Time: 6/7/2012 11:18:15 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U4:259**

Communication System: GPRS 4 TS; Frequency: 836.6 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.996$  mho/m;  $\epsilon_r = 53.46$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 24.1C; Medium Temperature: 22.3C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASYS2 52.8.0(692);

**Flat-Section 6-7/Front 10mm\_4Up TS\_836.6MHz\_u4/Area Scan (8x12x1):**Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.844 mW/g

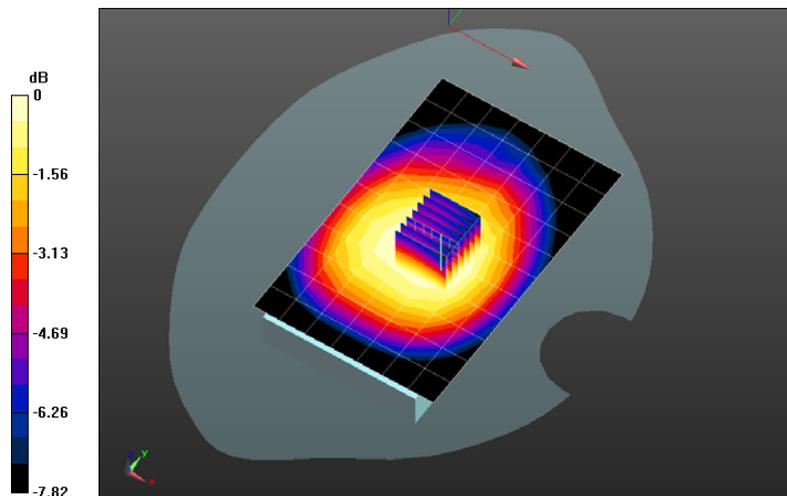
**Flat-Section 6-7/Front 10mm\_4Up TS\_836.6MHz\_u4/Zoom Scan****(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 30.414 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.9390

**SAR(1 g) = 0.768 mW/g; SAR(10 g) = 0.595 mW/g**

Maximum value of SAR (measured) = 0.840 mW/g



0 dB = 0.840mW/g = -1.51 dB mW/g

**Plot 3:**

Date/Time: 6/6/2012 4:36:29 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U2:2KM000250**

Communication System: GPRS 4 TS; Frequency: 836.6 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.994$  mho/m;  $\epsilon_r = 53.47$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 23.8C; Medium Temperature: 22.3C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASYS2 52.8.0(692);

**Flat-Section 6-6/Back 0mm\_4Up TS\_836.6MHz\_u2/Area Scan (8x9x1):**Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 4.571 mW/g

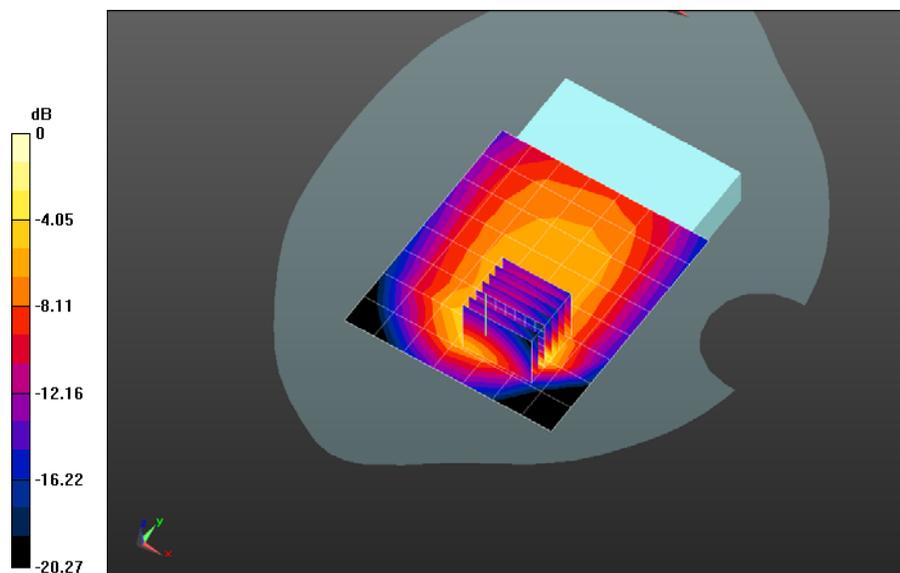
**Flat-Section 6-6/Back 0mm\_4Up TS\_836.6MHz\_u2/Zoom Scan****(8x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 33.731 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 8.8260

**SAR(1 g) = 3.26 mW/g; SAR(10 g) = 1.5 mW/g**

Maximum value of SAR (measured) = 4.416 mW/g



**Plot 4:**

Date/Time: 6/8/2012 10:19:29 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U4:259**

Communication System: GPRS 4 TS; Frequency: 836.6 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.993$  mho/m;  $\epsilon_r = 53.09$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 23.4C; Medium Temperature: 22.1C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASYS2 52.8.0(692);

**Flat-Section 6-8/Back 10mm\_4Up TS\_836.6MHz\_u4/Area Scan (8x11x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 1.397 mW/g

**Flat-Section 6-8/Back 10mm\_4Up TS\_836.6MHz\_u4/Zoom Scan (7x7x7)/Cube 0:**

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

Reference Value = 40.160 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.5720

**SAR(1 g) = 1.3 mW/g; SAR(10 g) = 1.01 mW/g**

Maximum value of SAR (measured) = 1.418 mW/g

**Flat-Section 6-8/Back 10mm\_4Up TS\_836.6MHz\_u4/Zoom Scan (7x7x7)/Cube 1:**

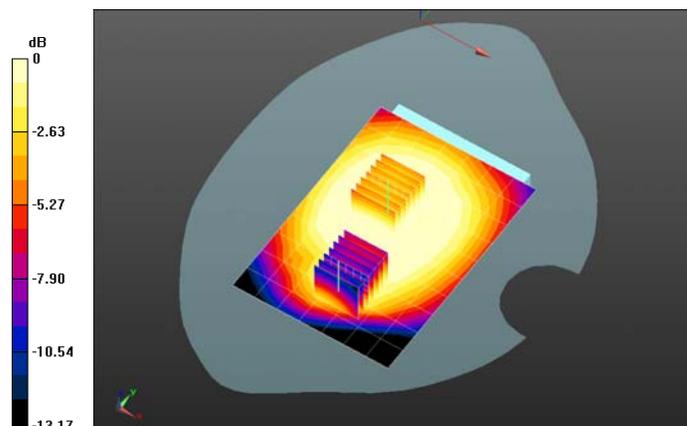
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 40.160 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.1980

**SAR(1 g) = 0.768 mW/g; SAR(10 g) = 0.521 mW/g**

Maximum value of SAR (measured) = 0.914 mW/g



0 dB = 0.910mW/g = -0.82 dB mW/g

**Plot 5:**

Date/Time: 6/6/2012 2:30:47 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U4:259**

Communication System: GPRS 4 TS; Frequency: 836.6 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.994$  mho/m;  $\epsilon_r = 53.47$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 22.5C; Medium Temperature: 22.3C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASYS2 52.8.0(692);

**Flat-Section 6-6/Bottom Edge 0mm\_4Up TS\_836.6MHz\_u4/Area Scan****(6x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 2.310 mW/g

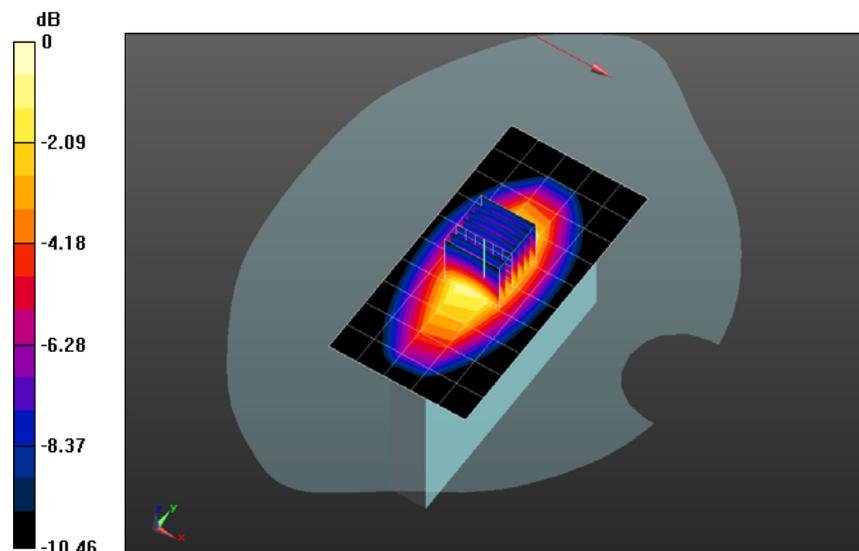
**Flat-Section 6-6/Bottom Edge 0mm\_4Up TS\_836.6MHz\_u4/Zoom Scan****(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 53.432 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 3.5080

**SAR(1 g) = 2.31 mW/g; SAR(10 g) = 1.5 mW/g**

Maximum value of SAR (measured) = 2.738 mW/g



0 dB = 2.740mW/g = 8.76 dB mW/g

**Plot 6:**

Date/Time: 6/7/2012 2:01:14 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U4:259**

Communication System: GPRS 4 TS; Frequency: 836.6 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.996$  mho/m;  $\epsilon_r = 53.46$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 24.2C; Medium Temperature: 22.3C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASYS2 52.8.0(692);

**Flat-Section 6-7/Bottom Edge 10mm\_4Up TS\_836.6MHz\_u4/Area Scan**

**(6x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.919 mW/g

**Flat-Section 6-7/Bottom Edge 10mm\_4Up TS\_836.6MHz\_u4/Zoom Scan**

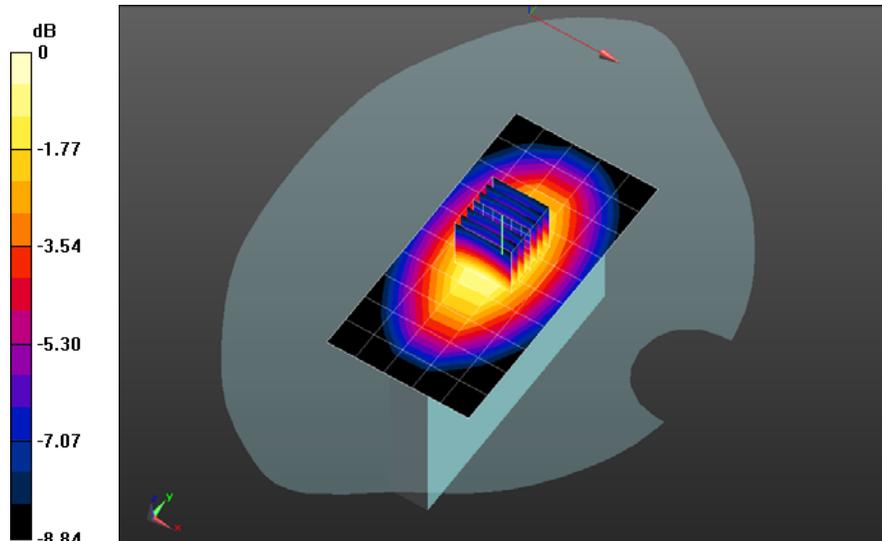
**(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 34.776 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.2040

**SAR(1 g) = 0.901 mW/g; SAR(10 g) = 0.639 mW/g**

Maximum value of SAR (measured) = 1.020 mW/g



0 dB = 1.020mW/g = 0.17 dB mW/g

**Plot 7:**

Date/Time: 6/6/2012 1:32:34 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U2:2KM000250**

Communication System: GPRS 4 TS; Frequency: 836.6 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.994$  mho/m;  $\epsilon_r = 53.47$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 24.0C; Medium Temperature: 22.3C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASYS2 52.8.0(692);

**Flat-Section 6-6/Top Edge 0mm\_4Up TS\_836.6MHz\_u2/Area Scan****(6x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 1.432 mW/g

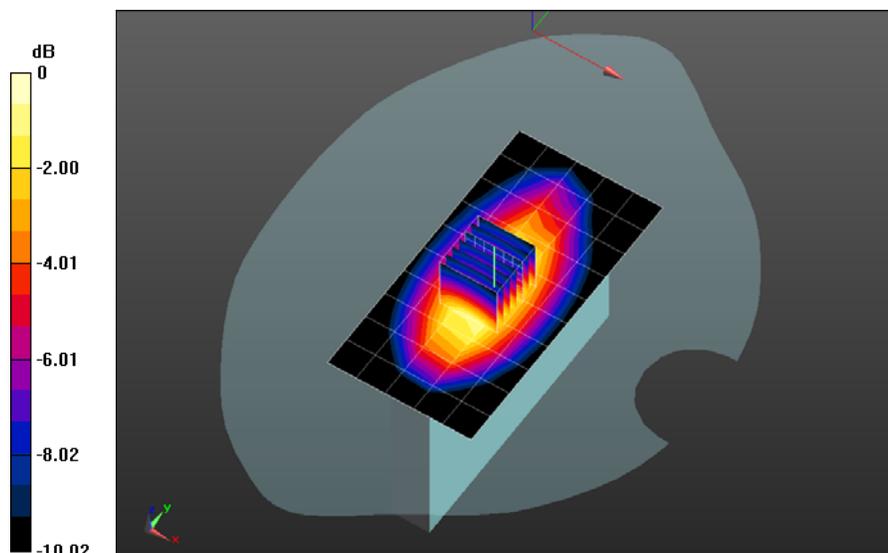
**Flat-Section 6-6/Top Edge 0mm\_4Up TS\_836.6MHz\_u2/Zoom Scan****(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 41.866 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 2.0070

**SAR(1 g) = 1.42 mW/g; SAR(10 g) = 0.949 mW/g**

Maximum value of SAR (measured) = 1.646 mW/g



0 dB = 1.650mW/g = 4.35 dB mW/g

**Plot 8:**

Date/Time: 6/29/2012 3:41:18 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: 2KM000253**

Communication System: GPRS 4 TS; Frequency: 836.6 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.995$  mho/m;  $\epsilon_r = 53.34$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 23.7C; Medium Temperature: 21.8C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASYS2 52.8.0(692);

**Flat-Section 6-29/Top Edge 10mm\_4Up TS\_836.6MHz\_u3/Area Scan (6x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 1.065 mW/g

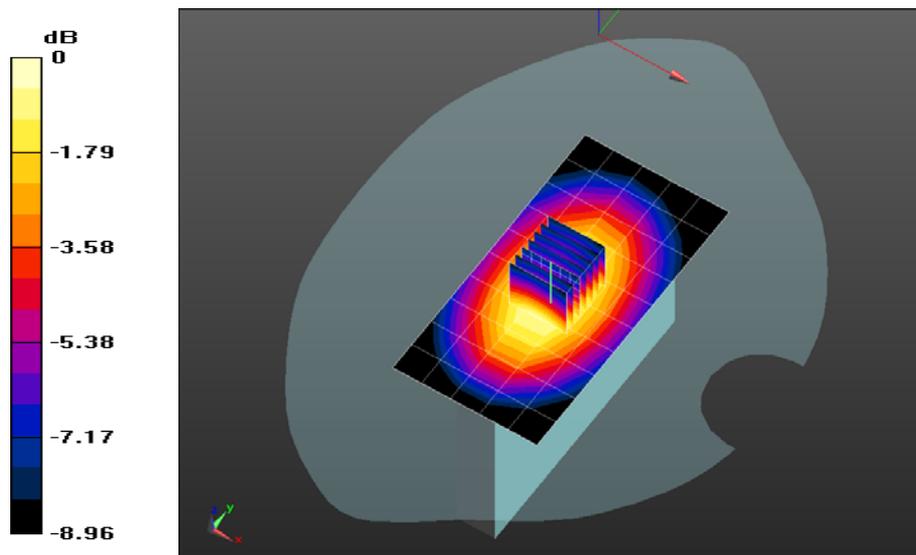
**Flat-Section 6-29/Top Edge 10mm\_4Up TS\_836.6MHz\_u3/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 36.986 V/m; Power Drift = -0.21 dB

Peak SAR (extrapolated) = 1.3310

**SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.715 mW/g**

Maximum value of SAR (measured) = 1.141 mW/g



0 dB = 1.140mW/g = 1.14 dB mW/g

**Plot 9:**

Date/Time: 6/6/2012 10:32:29 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U4:259**

Communication System: GPRS 4 TS; Frequency: 836.6 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.994$  mho/m;  $\epsilon_r = 53.47$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 23.7C; Medium Temperature: 22.3C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASYS2 52.8.0(692);

**Flat-Section 6-6/Right Edge 0mm\_4Up TS\_836.6MHz\_u4/Area Scan**

**(6x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 2.040 mW/g

**Flat-Section 6-6/Right Edge 0mm\_4Up TS\_836.6MHz\_u4/Zoom Scan**

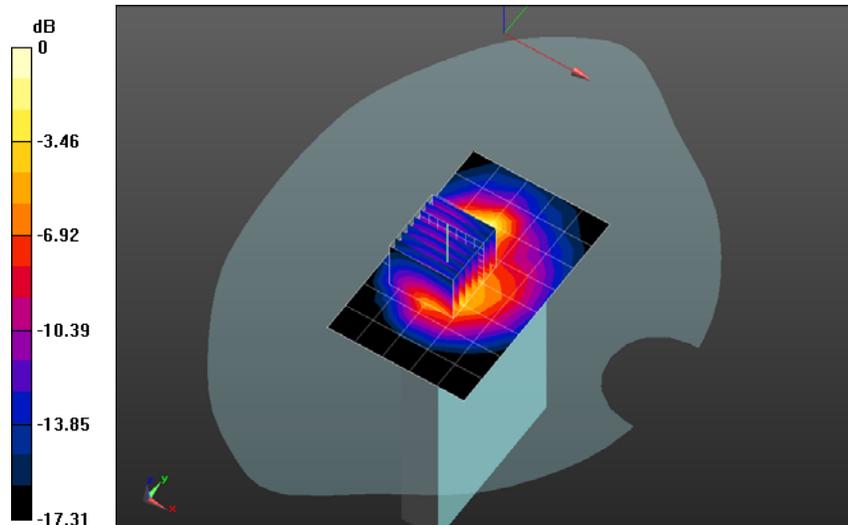
**(8x8x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 29.435 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 4.4290

**SAR(1 g) = 2.08 mW/g; SAR(10 g) = 1.03 mW/g**

Maximum value of SAR (measured) = 2.725 mW/g



0 dB = 2.730mW/g = 8.72 dB mW/g

**Plot 10:**

Date/Time: 6/7/2012 2:38:54 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U3:253**

Communication System: GPRS 4 TS; Frequency: 836.6 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.996$  mho/m;  $\epsilon_r = 53.46$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 24.1C; Medium Temperature: 22.3C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASYS2 52.8.0(692);

**Flat-Section 6-7/Right Edge 10mm\_4Up TS\_836.6MHz\_u3/Area Scan****(6x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.550 mW/g

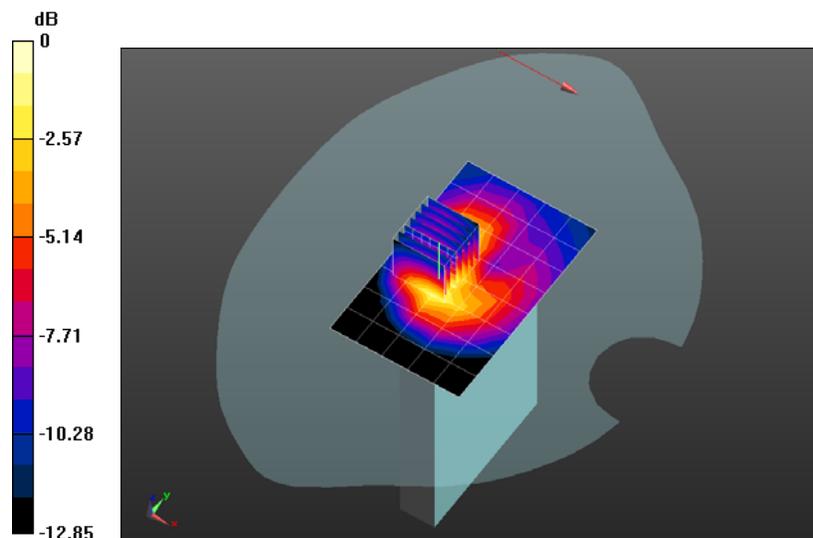
**Flat-Section 6-7/Right Edge 10mm\_4Up TS\_836.6MHz\_u3/Zoom Scan****(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 17.044 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.8630

**SAR(1 g) = 0.547 mW/g; SAR(10 g) = 0.328 mW/g**

Maximum value of SAR (measured) = 0.653 mW/g



0 dB = 0.650mW/g = -3.74 dB mW/g

**Plot 11:**

Date/Time: 6/11/2012 9:47:47 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U2:2KM000250**

Communication System: GPRS 4 TS; Frequency: 824.2 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.975$  mho/m;  $\epsilon_r = 53.02$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 23.3C; Medium Temperature: 22.2C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASYS2 52.8.0(692);

**Flat-Section 6-11 2/Worst Case\_Back 10mm\_4Up TS\_824.2MHz\_u2/Area**

**Scan (8x10x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 1.448 mW/g

**Flat-Section 6-11 2/Worst Case\_Back 10mm\_4Up TS\_824.2MHz\_u2/Zoom**

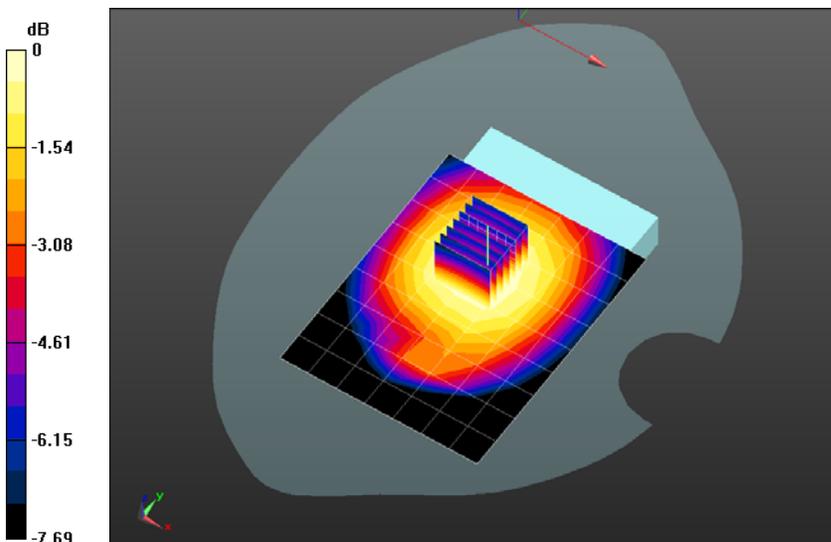
**Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 41.216 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.5970

**SAR(1 g) = 1.33 mW/g; SAR(10 g) = 1.03 mW/g**

Maximum value of SAR (measured) = 1.439 mW/g



0 dB = 1.440mW/g = 3.17 dB mW/g

**Plot 12:**

Date/Time: 6/14/2012 1:50:37 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U3:253**

Communication System: GPRS 4 TS; Frequency: 848.8 MHz

Medium: MSL900\_Batch 100818-1

Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.977$  mho/m;  $\epsilon_r = 52.67$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Zack Gray; Air Temperature: 20.9C; Medium Temperature: 20.8C;

DASY Configuration:

- Probe: ES3DV3 - SN3244; ConvF(6.21, 6.21, 6.21);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1233; Calibrated: 10/13/2010
- Phantom: SAM; Type: QD 000 P40 CC; Serial: 1592
- DASYS2 52.8.0(692);

**Flat-Section 6-14/Worst Case\_Back 10mm\_4Up TS\_848.8MHz\_u3/Area**

**Scan (8x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 1.443 mW/g

**Flat-Section 6-14/Worst Case\_Back 10mm\_4Up TS\_848.8MHz\_u3/Zoom**

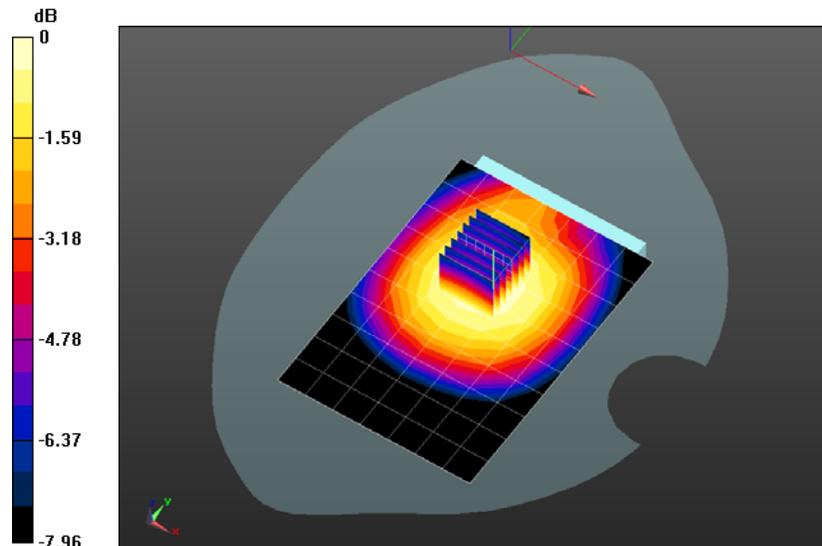
**Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 39.112 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.7610

**SAR(1 g) = 1.32 mW/g; SAR(10 g) = 1 mW/g**

Maximum value of SAR (measured) = 1.466 mW/g



0 dB = 1.470mW/g = 3.35 dB mW/g

**Plot 13:**

Date/Time: 6/11/2012 11:58:26 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U2:2KM000250**

Communication System: EGPRS 4 Timeslots; Frequency: 848.8 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 1$  mho/m;  $\epsilon_r = 52.72$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 23.7C; Medium Temperature: 22.2C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASYS2 52.8.0(692);

**Flat-Section 6-11 2/Worst Case\_Back 10mm\_4Up****TS\_848.8MHz\_EGPRS\_u2/Zoom Scan (8x8x7)/Cube 0:** Measurement grid:

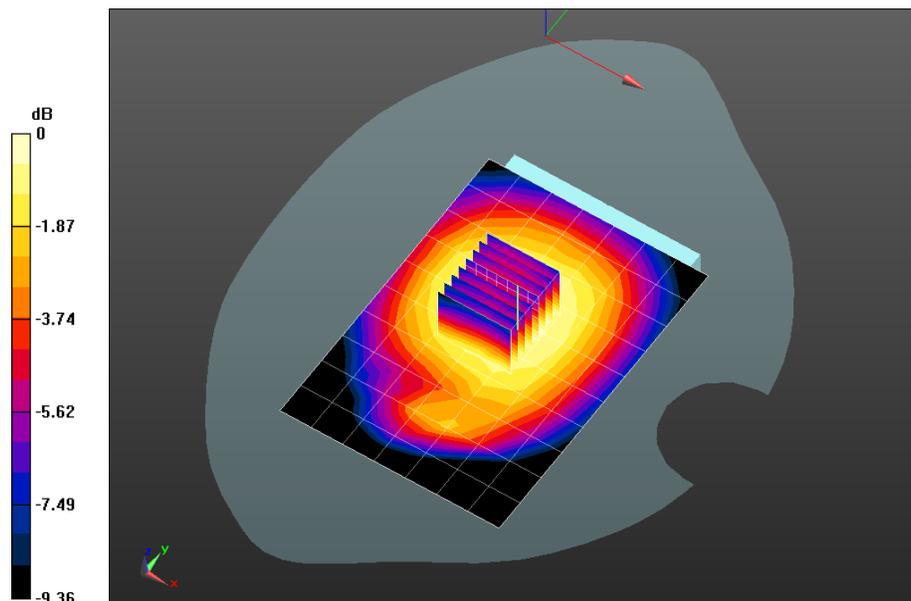
dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.437 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.5320

**SAR(1 g) = 0.407 mW/g; SAR(10 g) = 0.314 mW/g**

Maximum value of SAR (measured) = 0.454 mW/g



0 dB = 0.450mW/g = -6.94 dB mW/g

**Plot 14:**

Date/Time: 6/29/2012 1:32:32 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: 2KM000259**

Communication System: GPRS 3 Timeslots; Frequency: 836.6 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.995$  mho/m;  $\epsilon_r = 53.34$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 23.5C; Medium Temperature: 21.8C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASYS2 52.8.0(692);

**Flat-Section 6-29/Worst Case\_Back 0mm\_3Up TS\_836.6MHz\_u4/Area Scan (8x7x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 3.267 mW/g

**Flat-Section 6-29/Worst Case\_Back 0mm\_3Up TS\_836.6MHz\_u4/Zoom Scan (9x8x7)/Cube 0:**

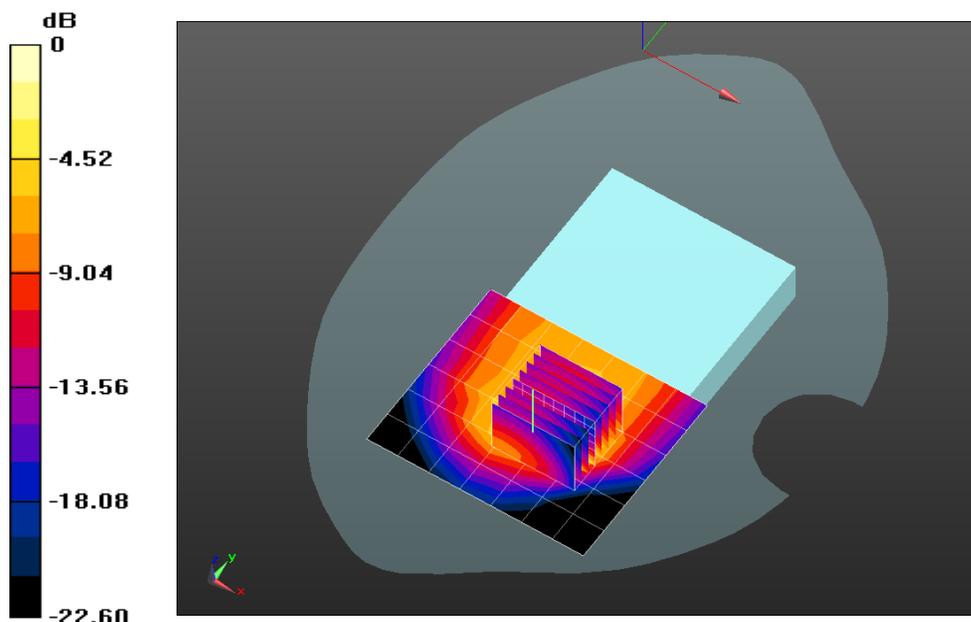
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 34.428 V/m; Power Drift = -0.21 dB

Peak SAR (extrapolated) = 8.7580

**SAR(1 g) = 3.24 mW/g; SAR(10 g) = 1.5 mW/g**

Maximum value of SAR (measured) = 4.747 mW/g



0 dB = 4.750mW/g = 13.53 dB mW/g

**Plot 15:**

Date/Time: 6/14/2012 2:14:31 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U2:2KM000250**

Communication System: GPRS-FDD (3 Timeslots); Frequency: 836.6 MHz

Medium: MSL900\_Batch 100818-1

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.964$  mho/m;  $\epsilon_r = 52.84$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Zack Gray; Air Temperature: 20.9C; Medium Temperature: 20.8C;

DASY Configuration:

- Probe: ES3DV3 - SN3244; ConvF(6.21, 6.21, 6.21);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1233; Calibrated: 10/13/2010
- Phantom: SAM; Type: QD 000 P40 CC; Serial: 1592
- DASYS2 52.8.0(692);

**Flat-Section 6-14/Worst Case\_Back 10mm\_3Up TS\_836.6MHz\_u2/Area****Scan (8x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 1.404 mW/g

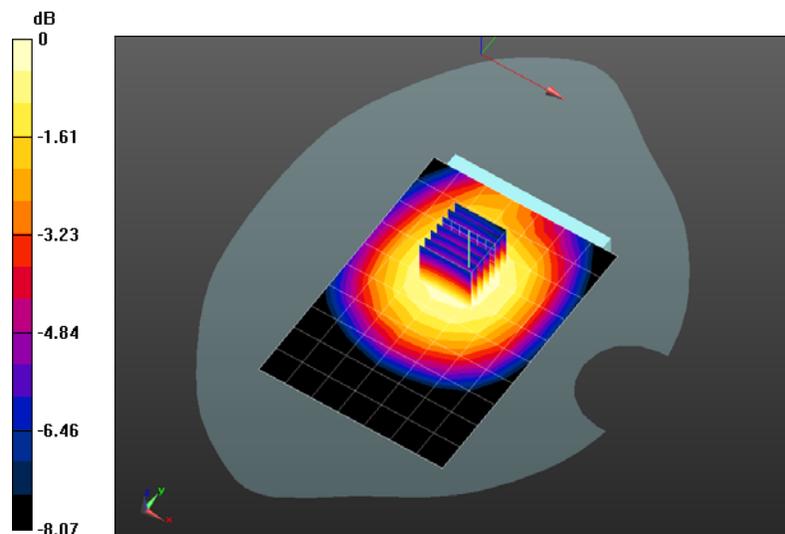
**Flat-Section 6-14/Worst Case\_Back 10mm\_3Up TS\_836.6MHz\_u2/Zoom****Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 38.913 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.6960

**SAR(1 g) = 1.28 mW/g; SAR(10 g) = 0.974 mW/g**

Maximum value of SAR (measured) = 1.415 mW/g



0 dB = 1.420mW/g = 3.05 dB mW/g

**Plot 16:**

Date/Time: 6/11/2012 5:41:43 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U3:253**

Communication System: GPRS 2 Timeslots; Frequency: 836.6 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.989$  mho/m;  $\epsilon_r = 52.89$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 22.5C; Medium Temperature: 22.3C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASYS2 52.8.0(692);

**Flat-Section 6-11/Worst Case\_Back 0mm\_2Up TS\_836.6MHz\_u3/Area****Scan (8x7x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 4.125 mW/g

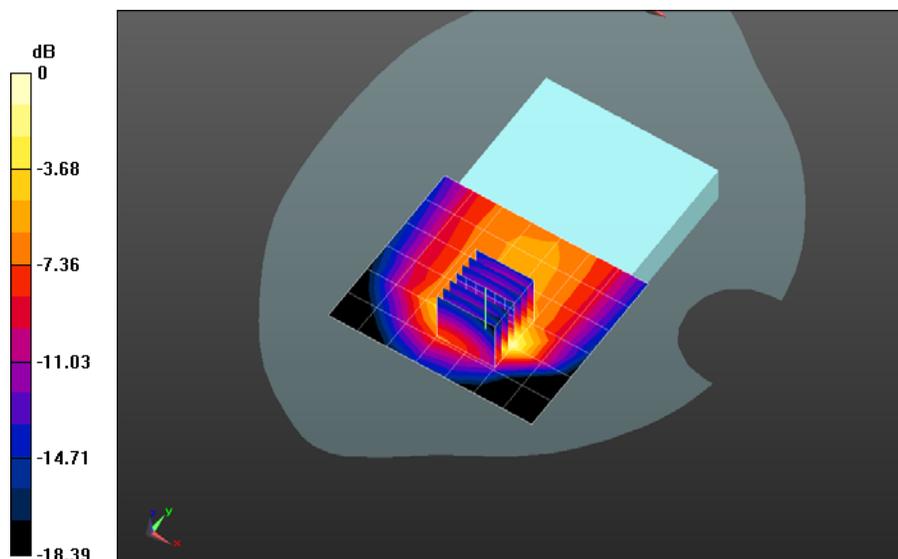
**Flat-Section 6-11/Worst Case\_Back 0mm\_2Up TS\_836.6MHz\_u3/Zoom****Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 33.566 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 7.7210

**SAR(1 g) = 2.92 mW/g; SAR(10 g) = 1.33 mW/g**

Maximum value of SAR (measured) = 4.220 mW/g



0 dB = 4.220mW/g = 12.51 dB mW/g

**Plot 17:**

Date/Time: 6/8/2012 3:41:59 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U2:2KM000250**

Communication System: GPRS 2 Timeslots; Frequency: 836.6 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.993$  mho/m;  $\epsilon_r = 53.09$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 24.2C; Medium Temperature: 22.1C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASYS2 52.8.0(692);

**Flat-Section 6-8/Worst Case\_Back 10mm\_2Up TS\_836.6MHz\_u2/Area**

**Scan (8x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 1.201 mW/g

**Flat-Section 6-8/Worst Case\_Back 10mm\_2Up TS\_836.6MHz\_u2/Zoom**

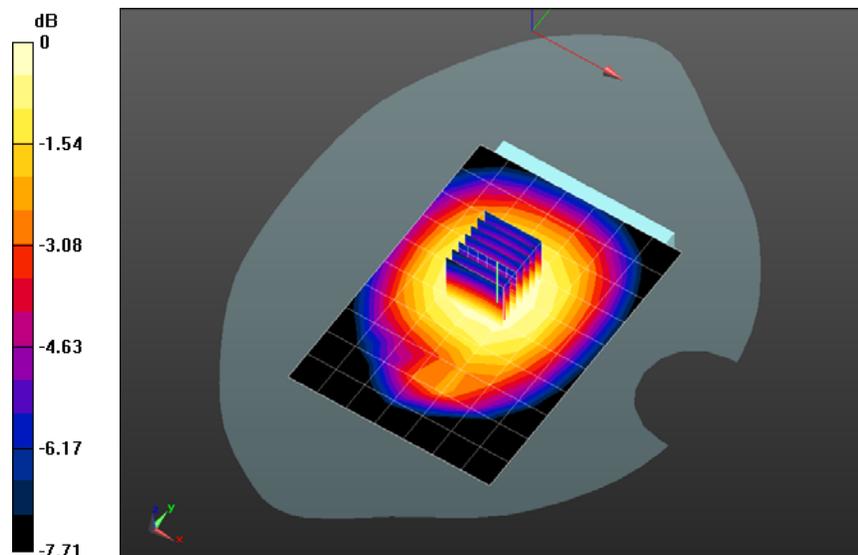
**Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 36.717 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.3010

**SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.829 mW/g**

Maximum value of SAR (measured) = 1.170 mW/g



0 dB = 1.170mW/g = 1.36 dB mW/g

**Plot 18:**

Date/Time: 6/11/2012 6:03:34 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U3:253**

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.989$  mho/m;  $\epsilon_r = 52.89$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 22.5C; Medium Temperature: 22.3C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASYS2 52.8.0(692);

**Flat-Section 6-11/Worst Case\_Back 0mm\_1Up TS\_836.6MHz\_u3/Area****Scan (8x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 2.024 mW/g

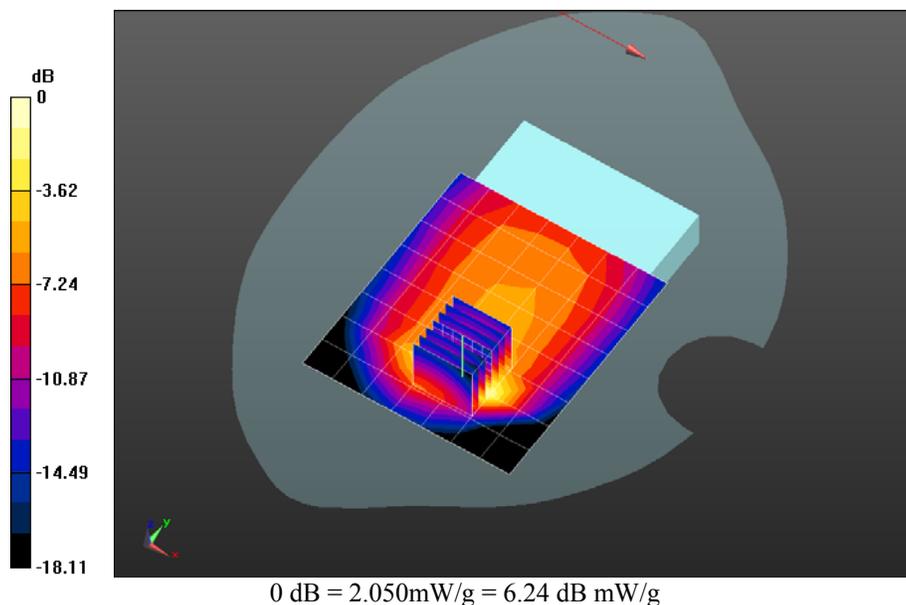
**Flat-Section 6-11/Worst Case\_Back 0mm\_1Up TS\_836.6MHz\_u3/Zoom****Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 23.469 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 3.6620

**SAR(1 g) = 1.44 mW/g; SAR(10 g) = 0.665 mW/g**

Maximum value of SAR (measured) = 2.050 mW/g



**Plot 19:**

Date/Time: 6/11/2012 5:17:53 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U3:253**

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.989$  mho/m;  $\epsilon_r = 52.89$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 24.0C; Medium Temperature: 22.3C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASY52 52.8.0(692);

**Flat-Section 6-11 2/Worst Case\_Back 10mm\_1Up TS\_836.6MHz\_u3/Area****Scan (8x10x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

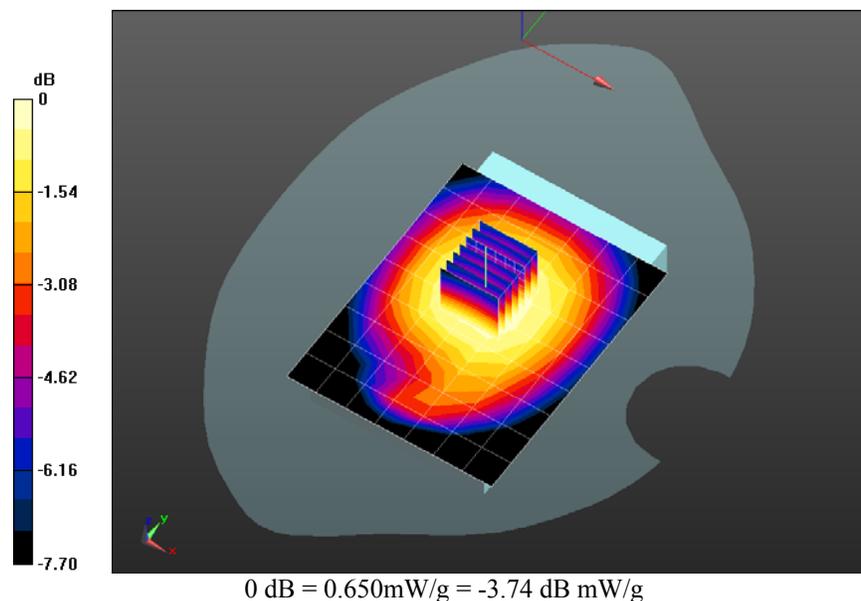
**Flat-Section 6-11 2/Worst Case\_Back 10mm\_1Up TS\_836.6MHz\_u3/Zoom****Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 26.747 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.7230

**SAR(1 g) = 0.599 mW/g; SAR(10 g) = 0.465 mW/g**

Maximum value of SAR (measured) = 0.651 mW/g



**Plot 20:**

Date/Time: 6/14/2012 6:57:45 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U2:2KM000250**

Communication System: GPRS 3 Timeslots; Frequency: 1880 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.536$  mho/m;  $\epsilon_r = 51.03$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 22.0C; Medium Temperature:21.7C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 0/Front 0mm\_3Up TS\_1880MHz\_u2/Area Scan (8x7x1):**Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 2.626 mW/g

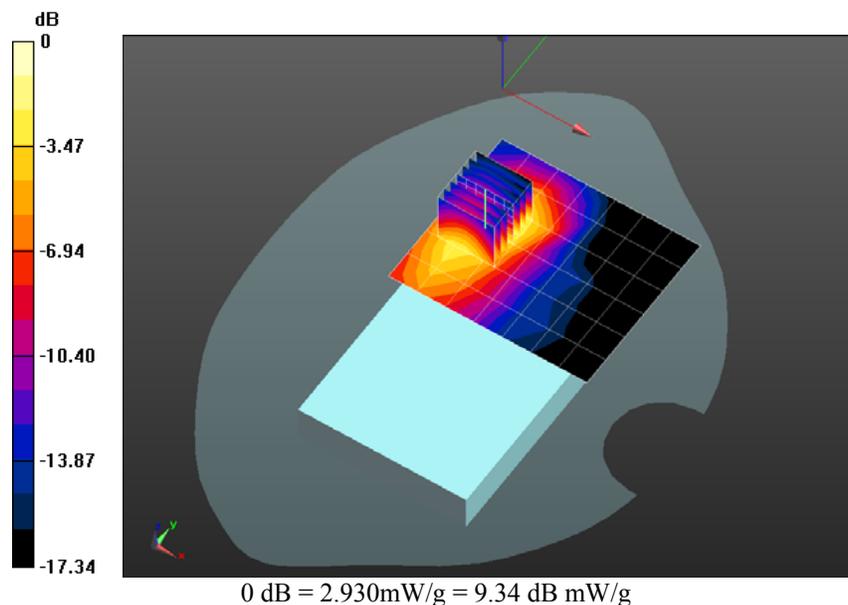
**Flat-Section 0/Front 0mm\_3Up TS\_1880MHz\_u2/Zoom Scan****(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 10.562 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.8350

**SAR(1 g) = 2.37 mW/g; SAR(10 g) = 1.3 mW/g**

Maximum value of SAR (measured) = 2.926 mW/g



**Plot 21:**

Date/Time: 6/14/2012 2:36:20 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U2:2KM000250**

Communication System: GPRS 3 Timeslots; Frequency: 1880 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.536$  mho/m;  $\epsilon_r = 51.03$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 24.0C; Medium Temperature:21.5C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 1/Front 10mm\_3Up TS\_1880MHz\_u2/Area Scan (8x7x1):**Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.597 mW/g

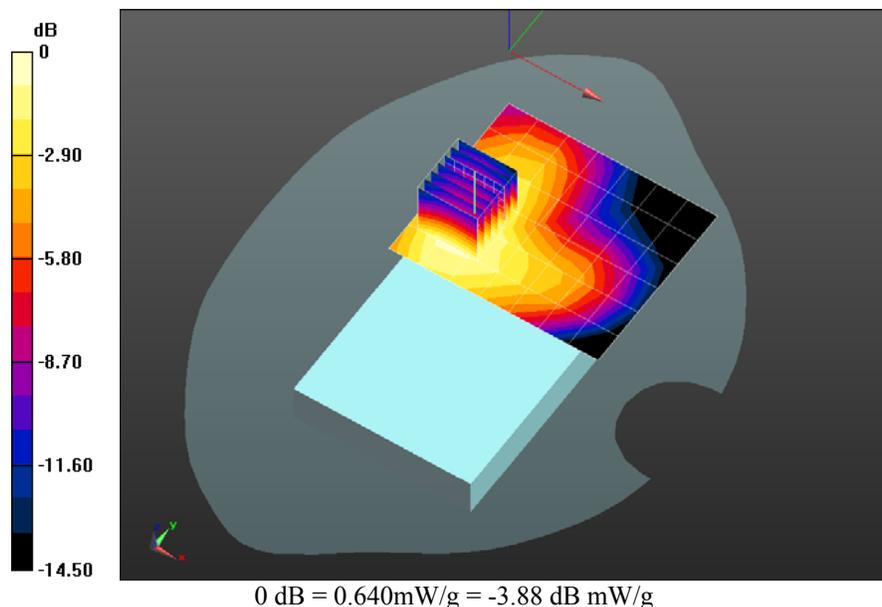
**Flat-Section 1/Front 10mm\_3Up TS\_1880MHz\_u2/Zoom Scan****(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 10.690 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.8010

**SAR(1 g) = 0.542 mW/g; SAR(10 g) = 0.351 mW/g**

Maximum value of SAR (measured) = 0.637 mW/g



**Plot 22:**

Date/Time: 6/18/2012 12:46:03 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U3:253**

Communication System: GPRS 3 Timeslots; Frequency: 1880 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.532$  mho/m;  $\epsilon_r = 50.98$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 23.6C; Medium Temperature: 22.0C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 3/Back 0mm\_3Up TS\_1880MHz\_u3/Area Scan (8x8x1):**Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 4.671 mW/g

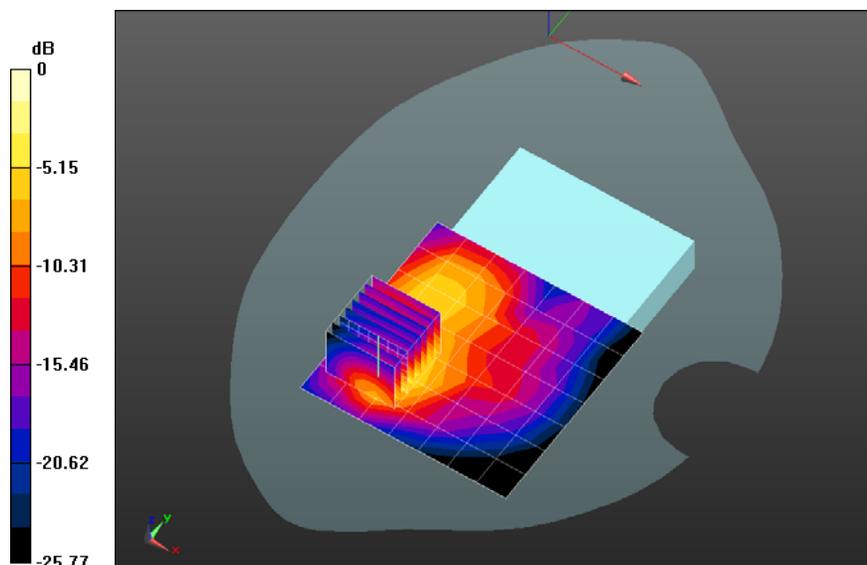
**Flat-Section 3/Back 0mm\_3Up TS\_1880MHz\_u3/Zoom Scan (8x8x7)/Cube****0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 18.316 V/m; Power Drift = -0.00028 dB

Peak SAR (extrapolated) = 14.8640

**SAR(1 g) = 5.14 mW/g; SAR(10 g) = 2.13 mW/g**

Maximum value of SAR (measured) = 7.471 mW/g



**Plot 23:**

Date/Time: 6/14/2012 10:30:19 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U3:253**

Communication System: GPRS 3 Timeslots; Frequency: 1880 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.536$  mho/m;  $\epsilon_r = 51.03$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 23.6C; Medium Temperature: 21.7C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 1/Back 10mm\_3Up TS\_1880MHz\_u3/Area Scan (8x11x1):**Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.902 mW/g

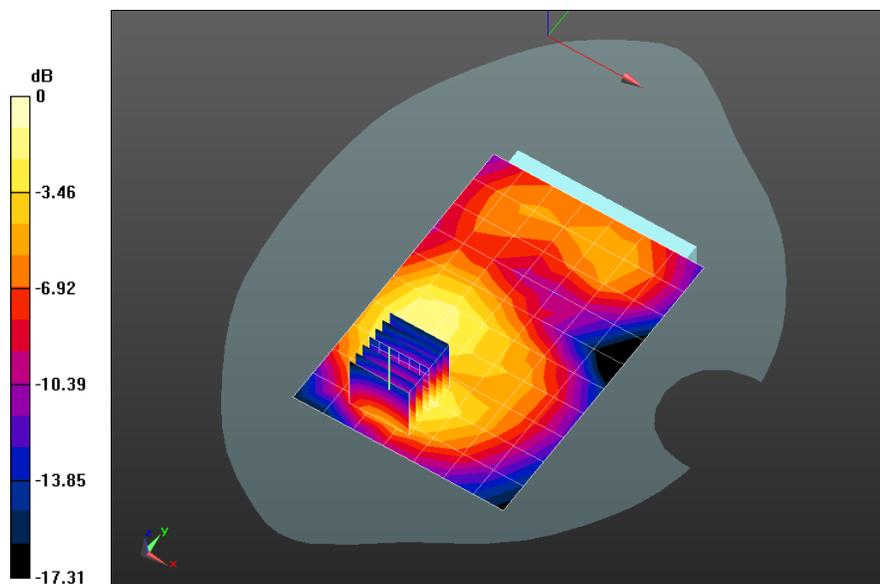
**Flat-Section 1/Back 10mm\_3Up TS\_1880MHz\_u3/Zoom Scan****(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 13.145 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.7020

**SAR(1 g) = 0.937 mW/g; SAR(10 g) = 0.488 mW/g**

Maximum value of SAR (measured) = 1.174 mW/g



0 dB = 1.170mW/g = 1.36 dB mW/g

**Plot 24:**

Date/Time: 6/15/2012 10:39:13 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U3:253**

Communication System: GPRS 3 Timeslots; Frequency: 1880 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.503$  mho/m;  $\epsilon_r = 51.18$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 23.4C; Medium Temperature: 22.0C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 2/Bottom Edge 0mm\_3Up TS\_1880MHz\_u3/Area Scan (6x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.206 mW/g

**Flat-Section 2/Bottom Edge 0mm\_3Up TS\_1880MHz\_u3/Zoom Scan (7x7x7)/Cube 0:**Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 8.316 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.3940

**SAR(1 g) = 0.236 mW/g; SAR(10 g) = 0.131 mW/g**

Maximum value of SAR (measured) = 0.293 mW/g

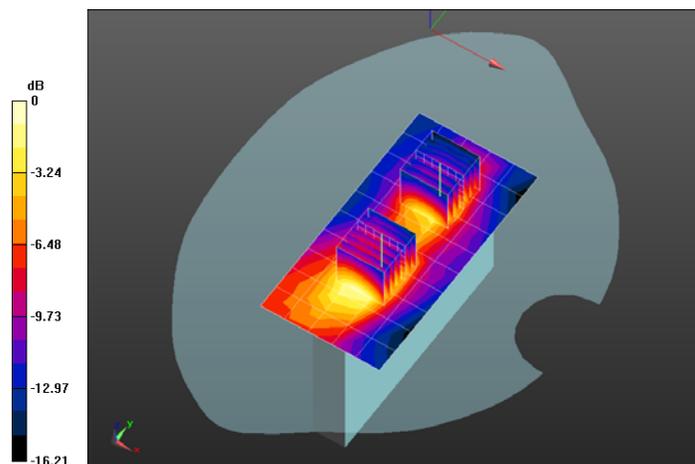
**Flat-Section 2/Bottom Edge 0mm\_3Up TS\_1880MHz\_u3/Zoom Scan (7x7x7)/Cube 1:**Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 8.316 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.2990

**SAR(1 g) = 0.173 mW/g; SAR(10 g) = 0.093 mW/g**

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



0 dB = 0.220mW/g = -13.15 dB mW/g

**Plot 25:**

Date/Time: 6/29/2012 7:29:55 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U4:259**

Communication System: GPRS 3 Timeslots; Frequency: 1880 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 51.33$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 23.8C; Medium Temperature: 22.2C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1124
- DASYS2 52.8.0(692);

**Flat-Section 6-29/Bottom Edge 10mm\_3Up TS\_1880MHz\_u4/Area Scan (6x11x1):** Measurement grid:  
 $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.147 mW/g

**Flat-Section 6-29/Bottom Edge 10mm\_3Up TS\_1880MHz\_u4/Zoom Scan (7x7x7)/Cube 0:**

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

Reference Value = 4.616 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.2180

**SAR(1 g) = 0.141 mW/g; SAR(10 g) = 0.087 mW/g**

Maximum value of SAR (measured) = 0.170 mW/g

**Flat-Section 6-29/Bottom Edge 10mm\_3Up TS\_1880MHz\_u4/Zoom Scan (7x7x7)/Cube 1:**

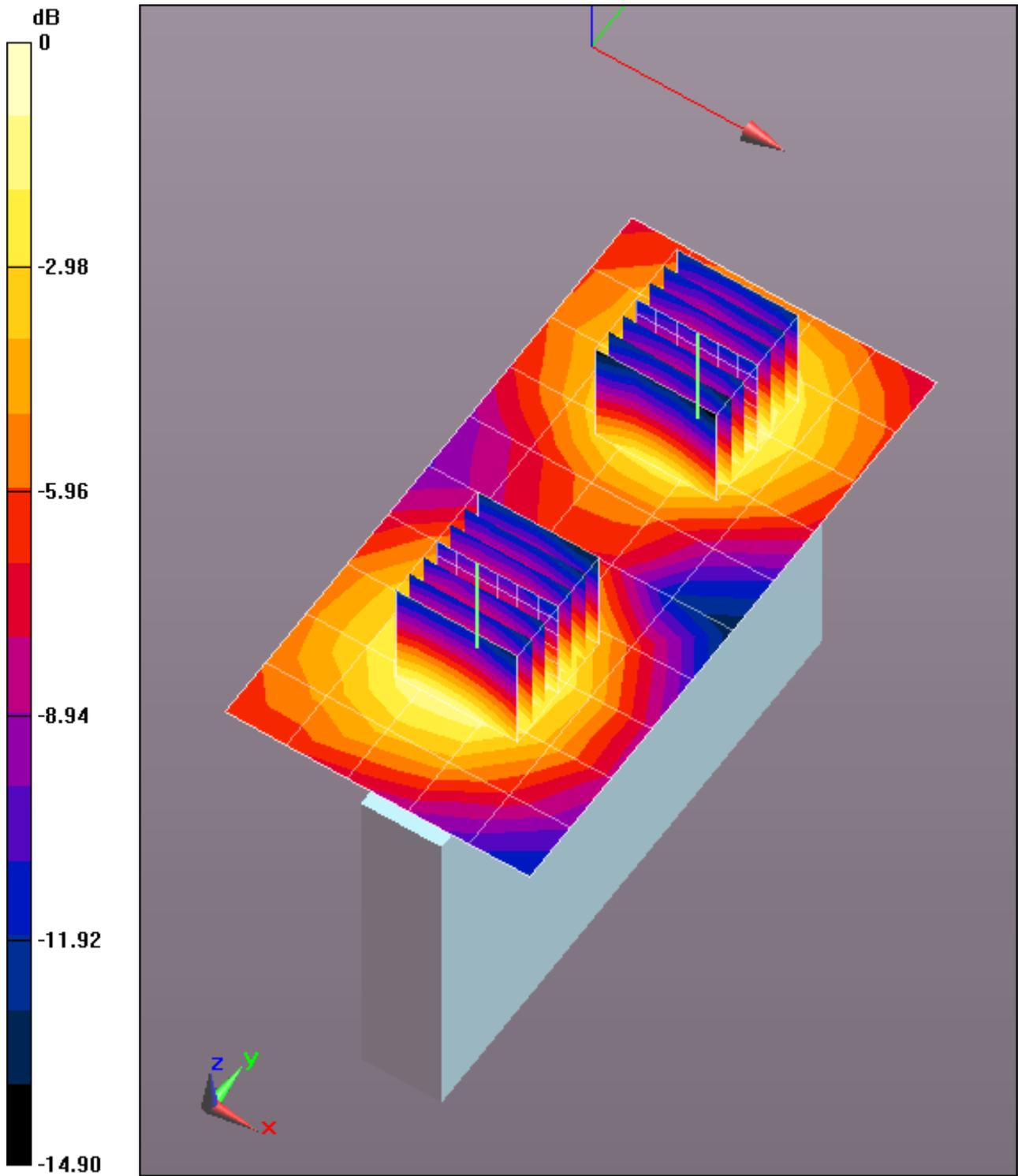
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 4.616 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.2020

**SAR(1 g) = 0.130 mW/g; SAR(10 g) = 0.079 mW/g**

Maximum value of SAR (measured) = 0.154 mW/g



0 dB = 0.150mW/g = -16.48 dB mW/g

**Plot 26:**

Date/Time: 6/15/2012 8:59:33 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U3:253**

Communication System: GPRS 3 Timeslots; Frequency: 1880 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.503$  mho/m;  $\epsilon_r = 51.18$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 22.7C; Medium Temperature: 22.0C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 2/Top Edge 0mm\_3Up TS\_1880MHz\_u3/Area Scan (6x11x1):**Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 2.742 mW/g

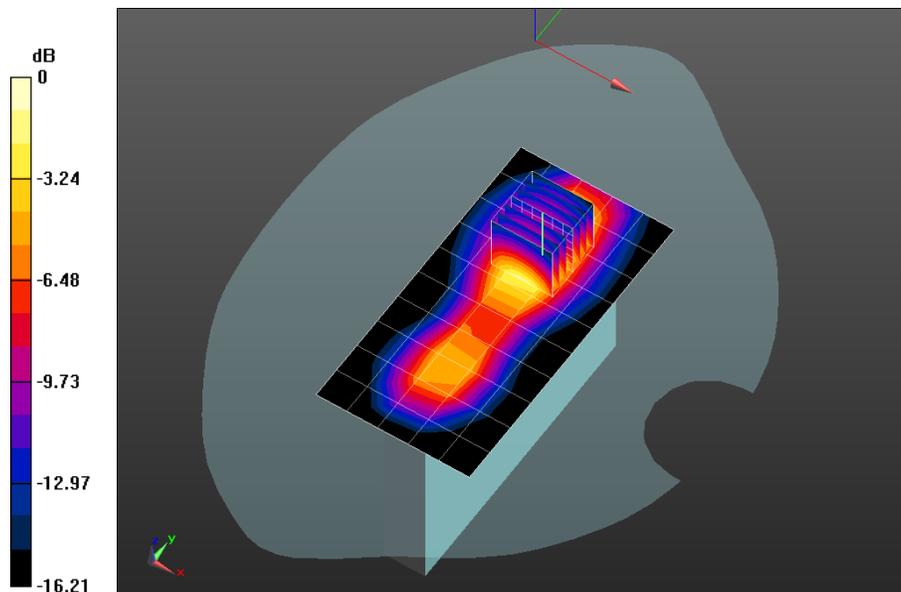
**Flat-Section 2/Top Edge 0mm\_3Up TS\_1880MHz\_u3/Zoom Scan****(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 29.000 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 5.2560

**SAR(1 g) = 3.13 mW/g; SAR(10 g) = 1.73 mW/g**

Maximum value of SAR (measured) = 3.878 mW/g



0 dB = 3.880mW/g = 11.78 dB mW/g

**Plot 27:**

Date/Time: 6/15/2012 9:24:33 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U3:253**

Communication System: GPRS 3 Timeslots; Frequency: 1880 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.503$  mho/m;  $\epsilon_r = 51.18$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 23.4C; Medium Temperature: 22.0C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 2/Top Edge 10mm\_3Up TS\_1880MHz\_u3/Area Scan (6x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 1.003 mW/g

**Flat-Section 2/Top Edge 10mm\_3Up TS\_1880MHz\_u3/Zoom Scan (7x7x7)/Cube 0:**

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

Reference Value = 15.489 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.4150

**SAR(1 g) = 0.915 mW/g; SAR(10 g) = 0.559 mW/g**

Maximum value of SAR (measured) = 1.096 mW/g

**Flat-Section 2/Top Edge 10mm\_3Up TS\_1880MHz\_u3/Zoom Scan (7x7x7)/Cube 1:**

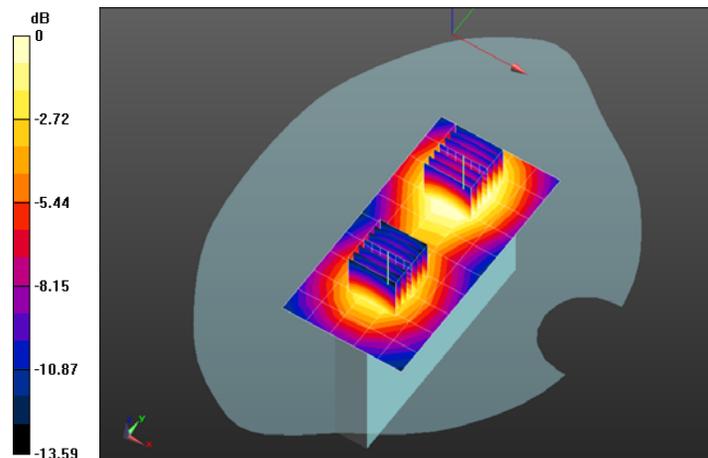
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 15.489 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.9430

**SAR(1 g) = 0.616 mW/g; SAR(10 g) = 0.379 mW/g**

Maximum value of SAR (measured) = 0.731 mW/g



0 dB = 0.730mW/g = -2.73 dB mW/g

**Plot 28:**

Date/Time: 6/14/2012 3:00:17 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U2:2KM000250**

Communication System: GPRS 3 Timeslots; Frequency: 1880 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.536$  mho/m;  $\epsilon_r = 51.03$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature:23.7C ; Medium Temperature:21.7C ;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 0/Right Edge 0mm\_3Up TS\_1880MHz\_u2/Area Scan (8x7x1):**Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 3.486 mW/g

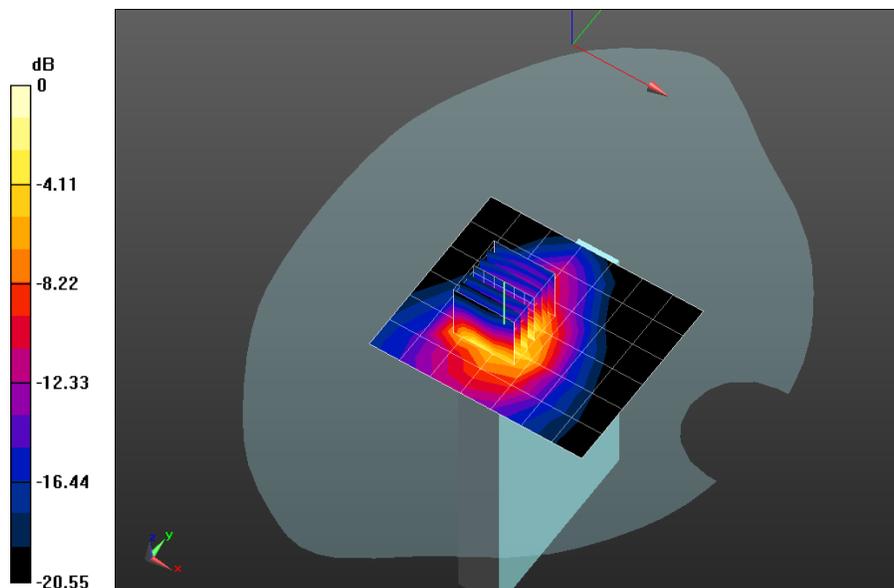
**Flat-Section 0/Right Edge 0mm\_3Up TS\_1880MHz\_u2/Zoom Scan****(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 33.900 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 8.4190

**SAR(1 g) = 3.49 mW/g; SAR(10 g) = 1.67 mW/g**

Maximum value of SAR (measured) = 4.899 mW/g



0 dB = 4.900mW/g = 13.80 dB mW/g

**Plot 29:**

Date/Time: 6/14/2012 4:03:41 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U3:253**

Communication System: GPRS 3 Timeslots; Frequency: 1880 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.536$  mho/m;  $\epsilon_r = 51.03$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature:23.7C ; Medium Temperature:21.7C ;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 1/Right Edge 10mm\_3Up TS\_1880MHz\_u3/Area Scan****(6x7x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.991 mW/g

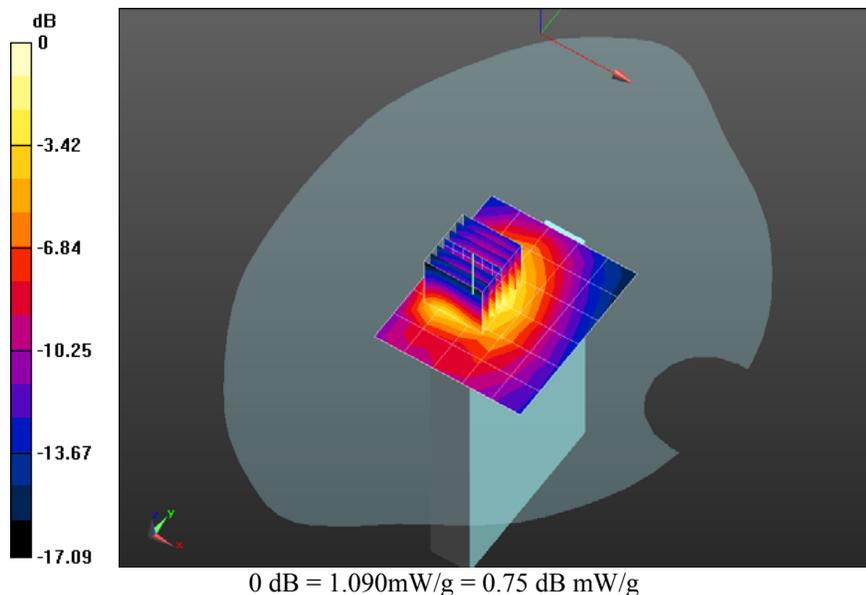
**Flat-Section 1/Right Edge 10mm\_3Up TS\_1880MHz\_u3/Zoom Scan****(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 22.420 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.5160

**SAR(1 g) = 0.888 mW/g; SAR(10 g) = 0.494 mW/g**

Maximum value of SAR (measured) = 1.086 mW/g



**Plot 30:**

Date/Time: 6/14/2012 9:32:56 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U3:253**

Communication System: GPRS 3 Timeslots; Frequency: 1850.2 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.511$  mho/m;  $\epsilon_r = 51.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 23.3C; Medium Temperature: 21.7C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 0/Worst Case\_Back 0mm\_3Up TS\_1850.2MHz\_u3/Area Scan****(8x8x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 4.866 mW/g

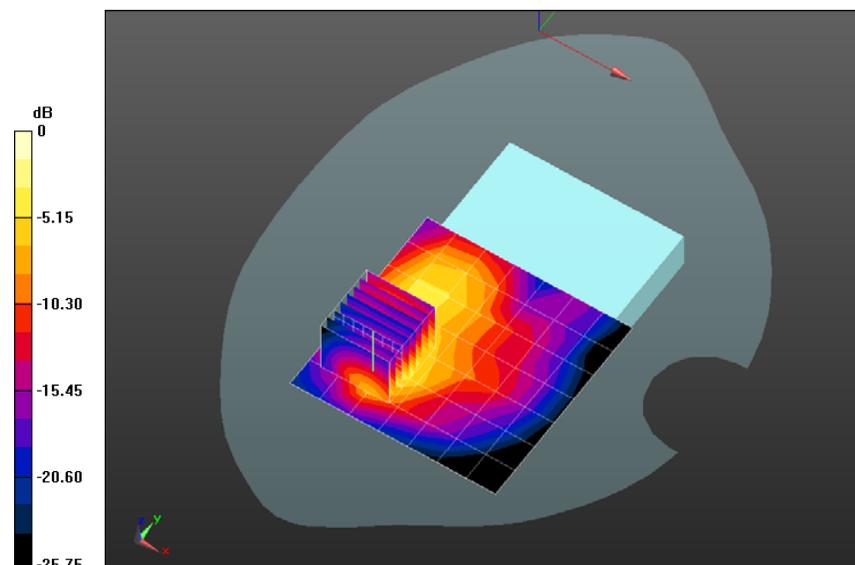
**Flat-Section 0/Worst Case\_Back 0mm\_3Up TS\_1850.2MHz\_u3/Zoom****Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 19.262 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 13.6490

**SAR(1 g) = 4.69 mW/g; SAR(10 g) = 2.02 mW/g**

Maximum value of SAR (measured) = 7.000 mW/g



0 dB = 7.000mW/g = 16.90 dB mW/g

**Plot 31:**

Date/Time: 6/14/2012 12:08:18 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U3:253**

Communication System: GPRS 3 Timeslots; Frequency: 1850.2 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.511$  mho/m;  $\epsilon_r = 51.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 23.3C; Medium Temperature: 21.7C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 1/Worst Case\_Back 10mm\_3Up TS\_1850.2MHz\_u3/Area**

**Scan (8x8x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.783 mW/g

**Flat-Section 1/Worst Case\_Back 10mm\_3Up TS\_1850.2MHz\_u3/Zoom**

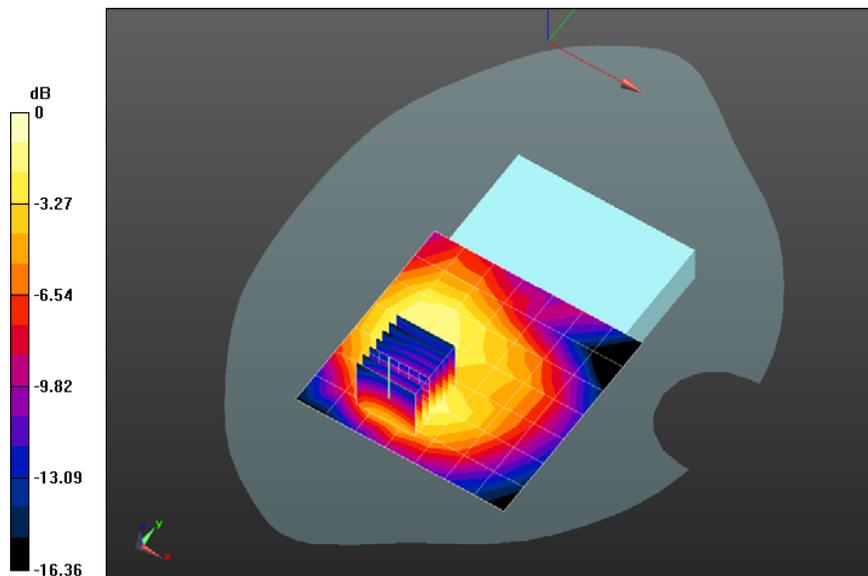
**Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 10.919 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.4240

**SAR(1 g) = 0.801 mW/g; SAR(10 g) = 0.428 mW/g**

Maximum value of SAR (measured) = 0.973 mW/g



0 dB = 0.970mW/g = -0.26 dB mW/g

**Plot 32:**

Date/Time: 6/14/2012 9:59:45 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U3:253**

Communication System: GPRS 3 Timeslots; Frequency: 1909.8 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.535$  mho/m;  $\epsilon_r = 50.72$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 23.6C; Medium Temperature: 21.7C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 0/Worst Case\_Back 0mm\_3Up TS\_1909.8MHz\_u3/Area Scan**

**(8x8x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 5.270 mW/g

**Flat-Section 0/Worst Case\_Back 0mm\_3Up TS\_1909.8MHz\_u3/Zoom**

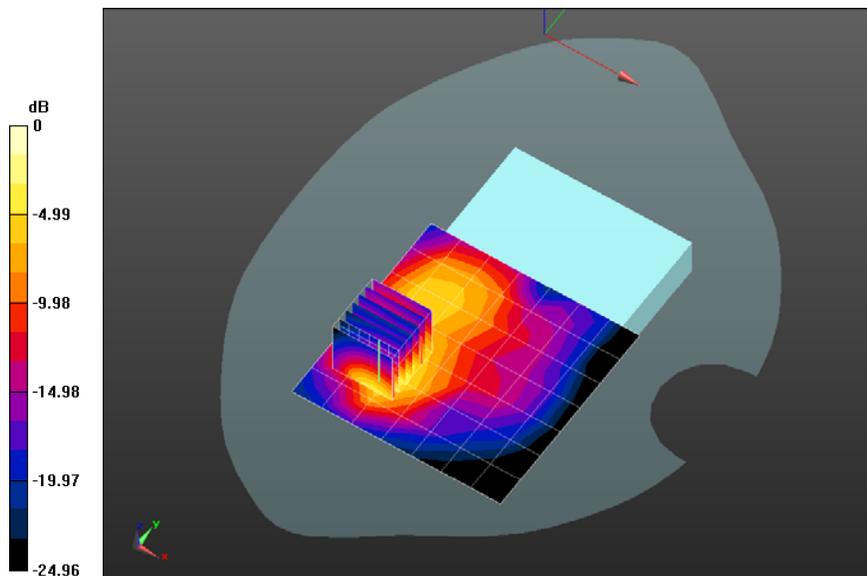
**Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 22.111 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 15.4510

**SAR(1 g) = 5.23 mW/g; SAR(10 g) = 2.09 mW/g**

Maximum value of SAR (measured) = 7.923 mW/g



0 dB = 7.920mW/g = 17.97 dB mW/g

**Plot 33:**

Date/Time: 6/14/2012 1:03:31 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U2:2KM000250**

Communication System: GPRS 3 Timeslots; Frequency: 1909.8 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.535$  mho/m;  $\epsilon_r = 50.72$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 23.7C; Medium Temperature: 21.7C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 1/Worst Case\_Back 10mm\_3Up TS\_1909.8MHz\_u2/Area**

**Scan (8x8x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 1.154 mW/g

**Flat-Section 1/Worst Case\_Back 10mm\_3Up TS\_1909.8MHz\_u2/Zoom**

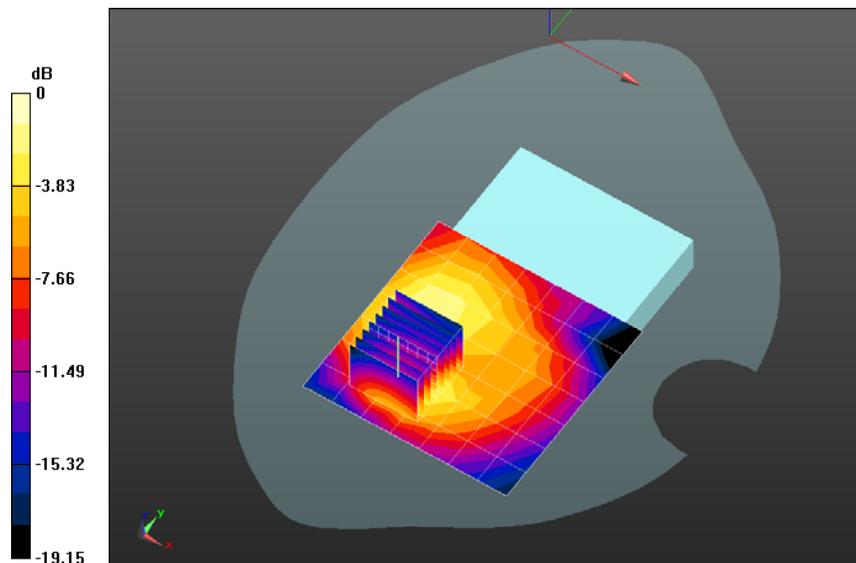
**Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 15.371 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.1960

**SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.587 mW/g**

Maximum value of SAR (measured) = 1.480 mW/g



0 dB = 1.480mW/g = 3.41 dB mW/g

**Plot 34:**

Date/Time: 6/14/2012 1:37:00 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U2:2KM000250**

Communication System: EGPRS 2 Timeslots; Frequency: 1880 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.536$  mho/m;  $\epsilon_r = 51.03$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 23.9C; Medium Temperature: 21.7C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 0/Worst Case\_ Back 0mm\_3Up****TS\_1880MHz\_EGPRS\_u2/Area Scan (8x8x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 2.291 mW/g

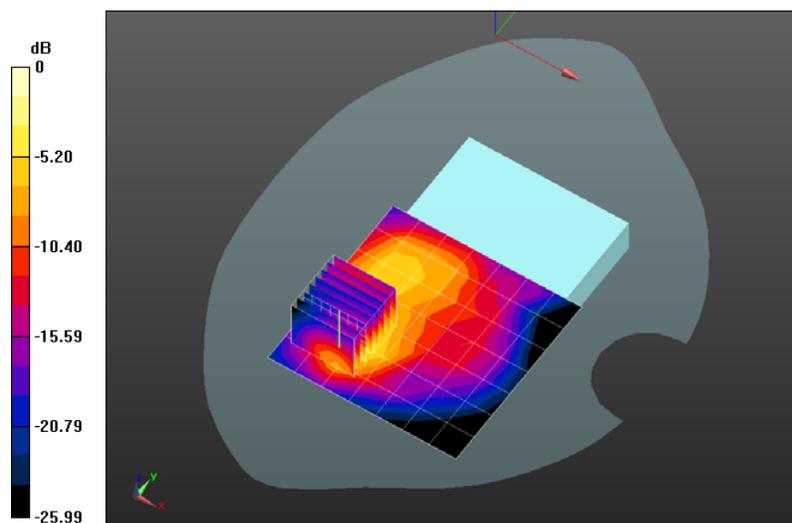
**Flat-Section 0/Worst Case\_ Back 0mm\_3Up****TS\_1880MHz\_EGPRS\_u2/Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 17.156 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 7.3850

**SAR(1 g) = 2.46 mW/g; SAR(10 g) = 1.01 mW/g**

Maximum value of SAR (measured) = 3.421 mW/g



0 dB = 3.420mW/g = 10.68 dB mW/g

**Plot 35:**

Date/Time: 6/14/2012 2:03:55 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U2:2KM000250**

Communication System: EGPRS 2 Timeslots; Frequency: 1880 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.536$  mho/m;  $\epsilon_r = 51.03$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 24.0C; Medium Temperature: 21.7C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 1/Worst Case\_Back 10mm\_3Up****TS\_1880MHz\_EGPRS\_u2/Area Scan (8x8x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.443 mW/g

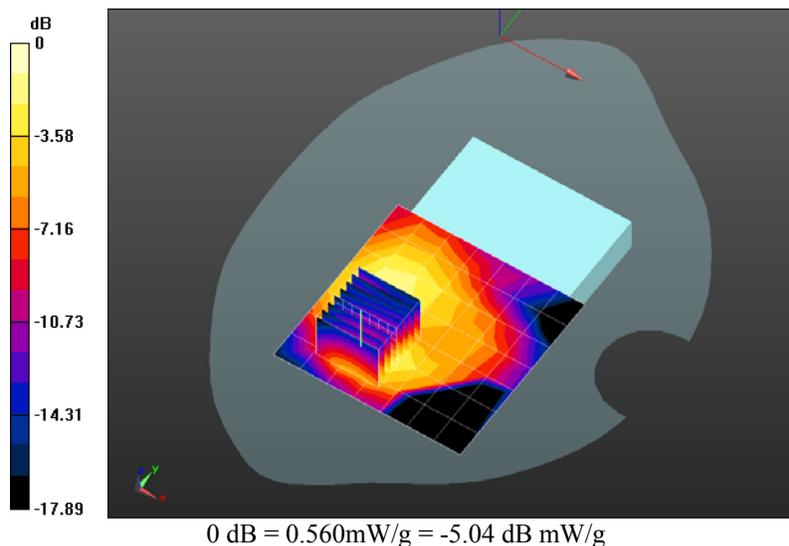
**Flat-Section 1/Worst Case\_Back 10mm\_3Up****TS\_1880MHz\_EGPRS\_u2/Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 9.088 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 0.8390

**SAR(1 g) = 0.439 mW/g; SAR(10 g) = 0.226 mW/g**

Maximum value of SAR (measured) = 0.557 mW/g



**Plot 36:**

Date/Time: 6/29/2012 7:00:31 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U4:259**

Communication System: GPRS 4 TS; Frequency: 1880 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 51.33$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 23.6C; Medium Temperature: 22.2C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1124
- DASYS2 52.8.0(692);

**Flat-Section 6-29/Worst Case\_Back 0mm\_4Up TS\_1880MHz\_u4/Area Scan (9x8x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 5.765 mW/g

**Flat-Section 6-29/Worst Case\_Back 0mm\_4Up TS\_1880MHz\_u4/Zoom Scan (7x7x7)/Cube 0:**

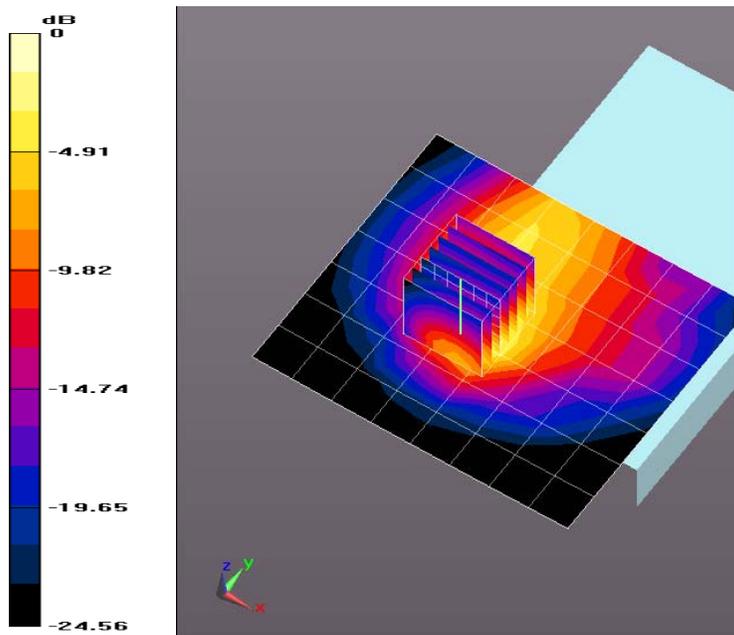
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 16.924 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 13.1760

**SAR(1 g) = 4.5 mW/g; SAR(10 g) = 2.01 mW/g**

Maximum value of SAR (measured) = 6.696 mW/g



0 dB = 6.700mW/g = 16.52 dB mW/g

**Plot 37:**

Date/Time: 6/14/2012 10:55:20 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U3:253**

Communication System: GPRS 4 TS; Frequency: 1880 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.536$  mho/m;  $\epsilon_r = 51.03$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 23.6C; Medium Temperature: 21.7C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 1/Worst Case\_Back 10mm\_4Up TS\_1880MHz\_u3/Area Scan**

**(8x8x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.916 mW/g

**Flat-Section 1/Worst Case\_Back 10mm\_4Up TS\_1880MHz\_u3/Zoom Scan**

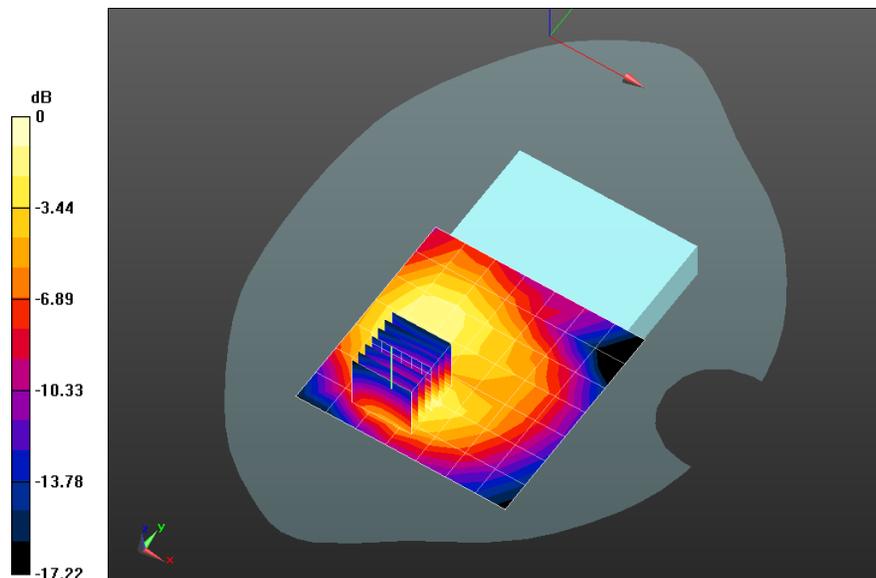
**(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 13.116 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.6920

**SAR(1 g) = 0.931 mW/g; SAR(10 g) = 0.485 mW/g**

Maximum value of SAR (measured) = 1.165 mW/g



0 dB = 1.160mW/g = 1.29 dB mW/g

**Plot 38:**

Date/Time: 6/14/2012 7:55:04 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U2:2KM000250**

Communication System: GPRS 2 Timeslots; Frequency: 1880 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.536$  mho/m;  $\epsilon_r = 51.03$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 24.1C; Medium Temperature: 21.5C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 0/Worst Case\_Back 0mm\_2Up TS\_1880MHz\_u2/Area Scan****(8x8x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 4.546 mW/g

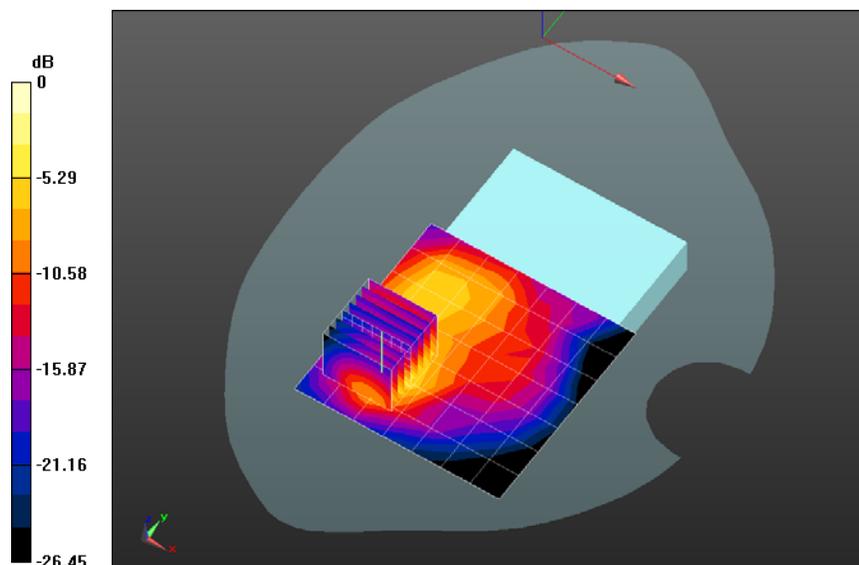
**Flat-Section 0/Worst Case\_Back 0mm\_2Up TS\_1880MHz\_u2/Zoom Scan****(8x8x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 23.381 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 13.4860

**SAR(1 g) = 4.54 mW/g; SAR(10 g) = 1.86 mW/g**

Maximum value of SAR (measured) = 6.350 mW/g



0 dB = 6.350mW/g = 16.06 dB mW/g

**Plot 39:**

Date/Time: 6/14/2012 11:25:08 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U3:253**

Communication System: GPRS 2 Timeslots; Frequency: 1880 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.536$  mho/m;  $\epsilon_r = 51.03$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 24.1C; Medium Temperature: 21.5C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 1/Worst Case\_Back 10mm\_2Up TS\_1880MHz\_u3/Area Scan**

**(8x8x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.735 mW/g

**Flat-Section 1/Worst Case\_Back 10mm\_2Up TS\_1880MHz\_u3/Zoom Scan**

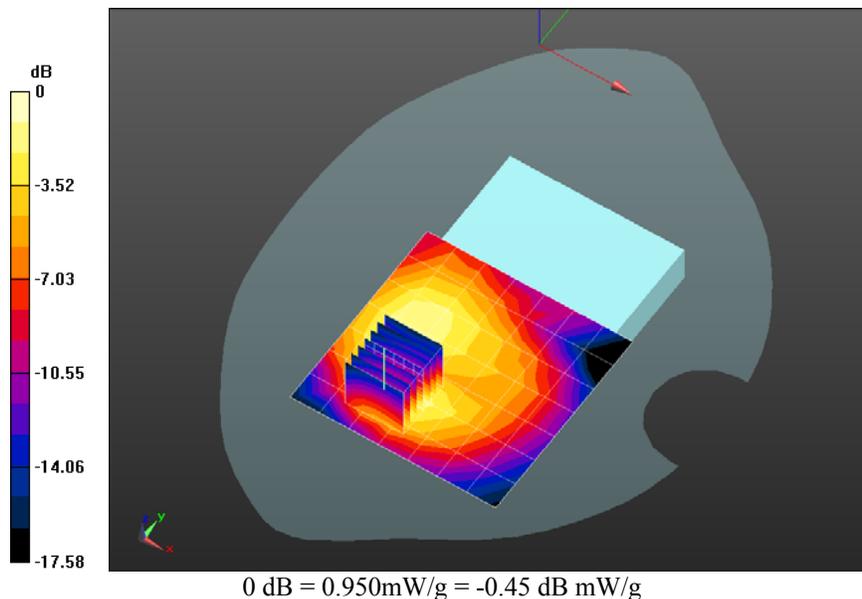
**(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 11.817 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.3760

**SAR(1 g) = 0.754 mW/g; SAR(10 g) = 0.391 mW/g**

Maximum value of SAR (measured) = 0.947 mW/g



**Plot 40:**

Date/Time: 6/14/2012 8:30:11 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U2:2KM000250**

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.536$  mho/m;  $\epsilon_r = 51.03$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 23.0C; Medium Temperature: 21.7C;

## DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 0/Worst Case\_Back 0mm\_1Up TS\_1880MHz\_u2/Area Scan****(8x8x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 2.147 mW/g

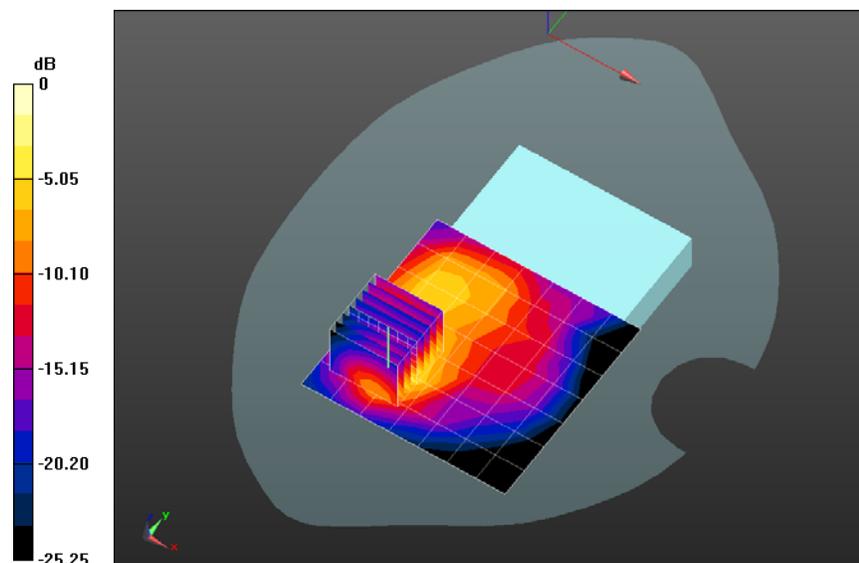
**Flat-Section 0/Worst Case\_Back 0mm\_1Up TS\_1880MHz\_u2/Zoom Scan****(8x8x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 16.473 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 6.3240

**SAR(1 g) = 2.2 mW/g; SAR(10 g) = 0.914 mW/g**

Maximum value of SAR (measured) = 3.070 mW/g



**Plot 41:**

Date/Time: 6/14/2012 11:46:19 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U3:253**

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.536$  mho/m;  $\epsilon_r = 51.03$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 23.6C; Medium Temperature: 21.7C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 1/Worst Case\_Back 10mm\_1Up TS\_1880MHz\_u3/Area Scan****(8x8x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.361 mW/g

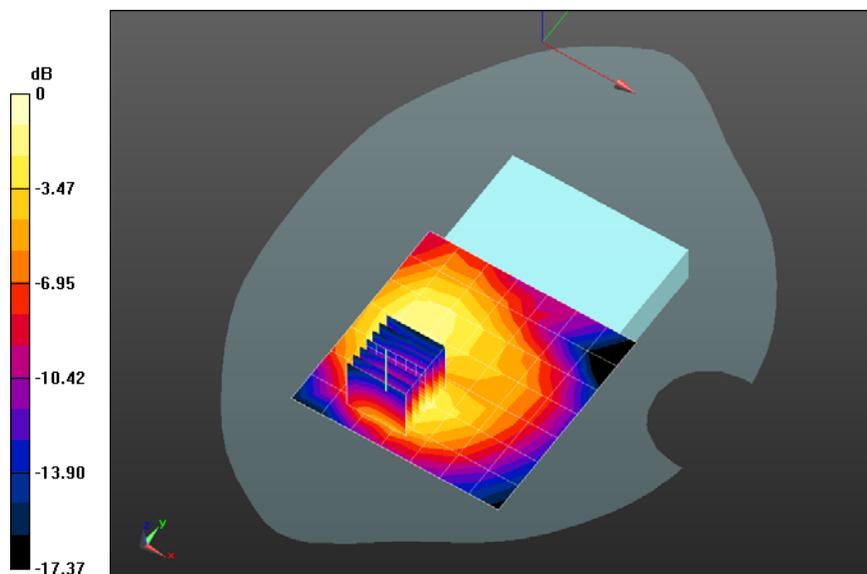
**Flat-Section 1/Worst Case\_Back 10mm\_1Up TS\_1880MHz\_u3/Zoom Scan****(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 8.272 V/m; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 0.6860

**SAR(1 g) = 0.377 mW/g; SAR(10 g) = 0.196 mW/g**

Maximum value of SAR (measured) = 0.474 mW/g



0 dB = 0.470mW/g = -6.56 dB mW/g

**Plot 42:**

Date/Time: 6/4/2012 2:15:41 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: unit2:KM000250**

Communication System: UMTS WCDMA; Frequency: 836.6 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 1$  mho/m;  $\epsilon_r = 53.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 23.8C; Medium Temperature:22.0C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASYS2 52.8.0(692);

**Flat-Section 2/Front 0mm\_836.6MHz\_Unit 2/Area Scan (8x12x1):**Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

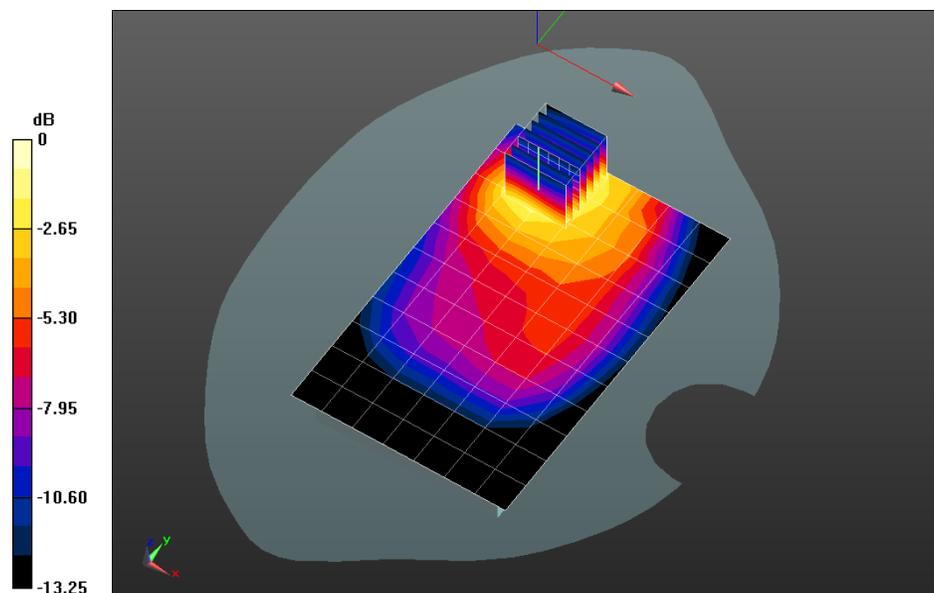
**Flat-Section 2/Front 0mm\_836.6MHz\_Unit 2/Zoom Scan (7x7x7)/Cube 0:**Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 14.185 V/m; Power Drift = -0.21 dB

Peak SAR (extrapolated) = 1.1970

**SAR(1 g) = 0.671 mW/g; SAR(10 g) = 0.387 mW/g**

Maximum value of SAR (measured) = 0.833 mW/g



0 dB = 0.830mW/g = -1.62 dB mW/g

**Plot 43:**

Date/Time: 6/5/2012 4:45:00 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: unit2:KM000250**

Communication System: UMTS WCDMA; Frequency: 836.6 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.999$  mho/m;  $\epsilon_r = 53.92$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 23.8C; Medium Temperature: 22.0C ;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASYS2 52.8.0(692);

**Flat-Section/Front 10mm\_836.6MHz\_Unit 2/Area Scan (8x11x1):**Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.428 mW/g

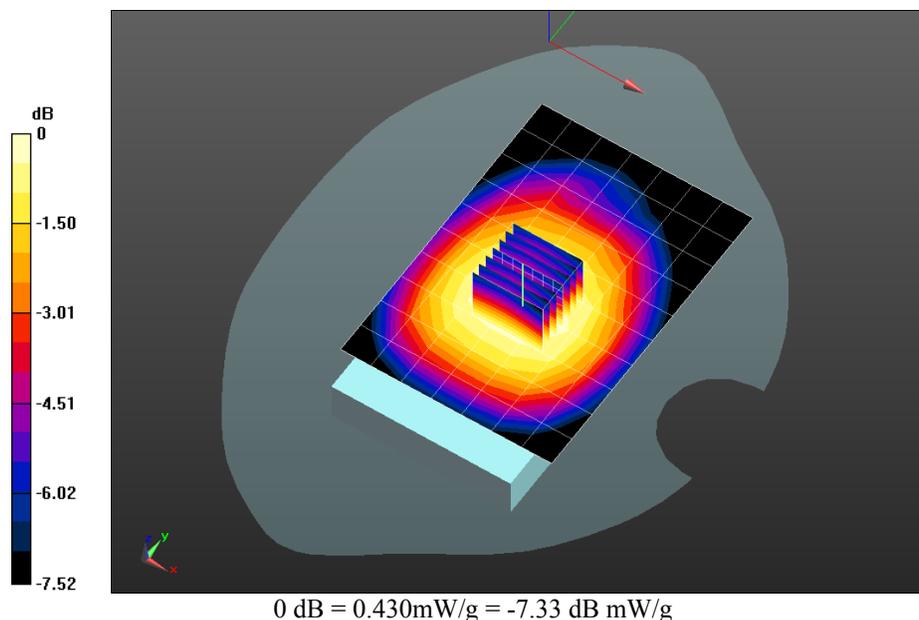
**Flat-Section/Front 10mm\_836.6MHz\_Unit 2/Zoom Scan (8x7x7)/Cube 0:**Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 21.716 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.4730

**SAR(1 g) = 0.392 mW/g; SAR(10 g) = 0.306 mW/g**

Maximum value of SAR (measured) = 0.427 mW/g



**Plot 44:**

Date/Time: 6/4/2012 4:14:59 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: unit4:KM000259**

Communication System: UMTS WCDMA; Frequency: 836.6 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 1$  mho/m;  $\epsilon_r = 53.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 24.1C; Medium Temperature: 22.0C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASYS2 52.8.0(692);

**Flat-Section 2/Back 0mm\_836.6MHz\_Unit 4/Area Scan (8x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 2.415 mW/g

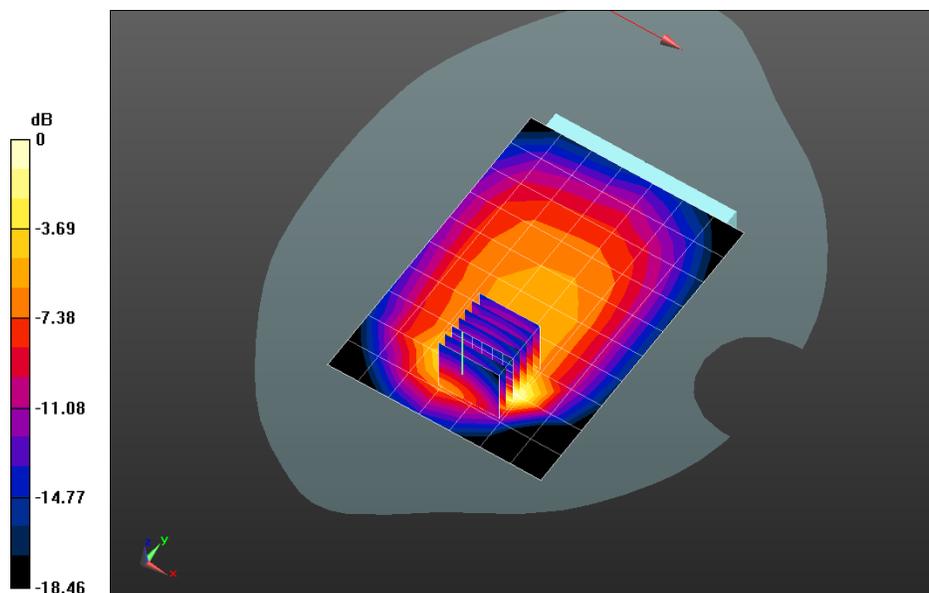
**Flat-Section 2/Back 0mm\_836.6MHz\_Unit 4/Zoom Scan (7x7x7)/Cube 0:**Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 25.226 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 4.8210

**SAR(1 g) = 1.76 mW/g; SAR(10 g) = 0.787 mW/g**

Maximum value of SAR (measured) = 2.313 mW/g



0 dB = 2.310mW/g = 7.27 dB mW/g

**Plot 45:**

Date/Time: 6/5/2012 5:20:43 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: unit4:KM000:259**

Communication System: UMTS WCDMA; Frequency: 836.6 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.999$  mho/m;  $\epsilon_r = 53.92$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 23.8C; Medium Temperature: 22.0C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASYS2 52.8.0(692);

**Flat-Section/Back 10mm\_836.6MHz\_Unit 4/Area Scan (8x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.554 mW/g

**Flat-Section/Back 10mm\_836.6MHz\_Unit 4/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 24.872 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.6170

**SAR(1 g) = 0.508 mW/g; SAR(10 g) = 0.392 mW/g**

Maximum value of SAR (measured) = 0.556 mW/g

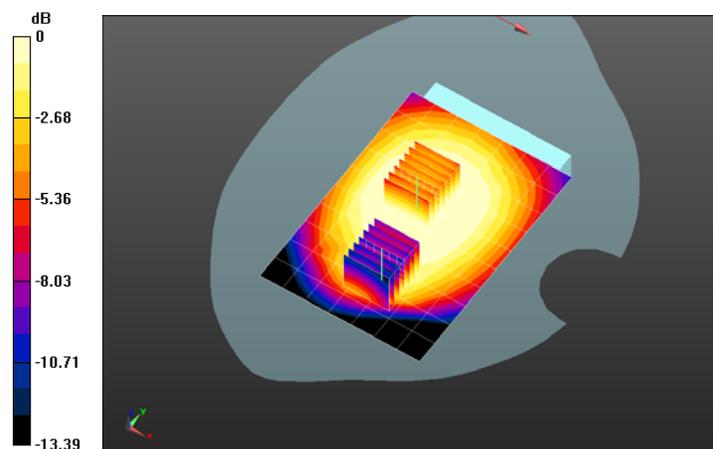
**Flat-Section/Back 10mm\_836.6MHz\_Unit 4/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 24.872 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.5530

**SAR(1 g) = 0.351 mW/g; SAR(10 g) = 0.226 mW/g**

Maximum value of SAR (measured) = 0.420 mW/g



**Plot 46:**

Date/Time: 6/4/2012 5:12:27 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: unit2:KM000250**

Communication System: UMTS WCDMA; Frequency: 836.6 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 1$  mho/m;  $\epsilon_r = 53.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 24.1C; Medium Temperature: 22.0C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASYS2 52.8.0(692);

**Flat-Section 2/Bottom Edge 0mm\_836.6MHz\_Unit 2/Area Scan (6x12x1):**Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 1.328 mW/g

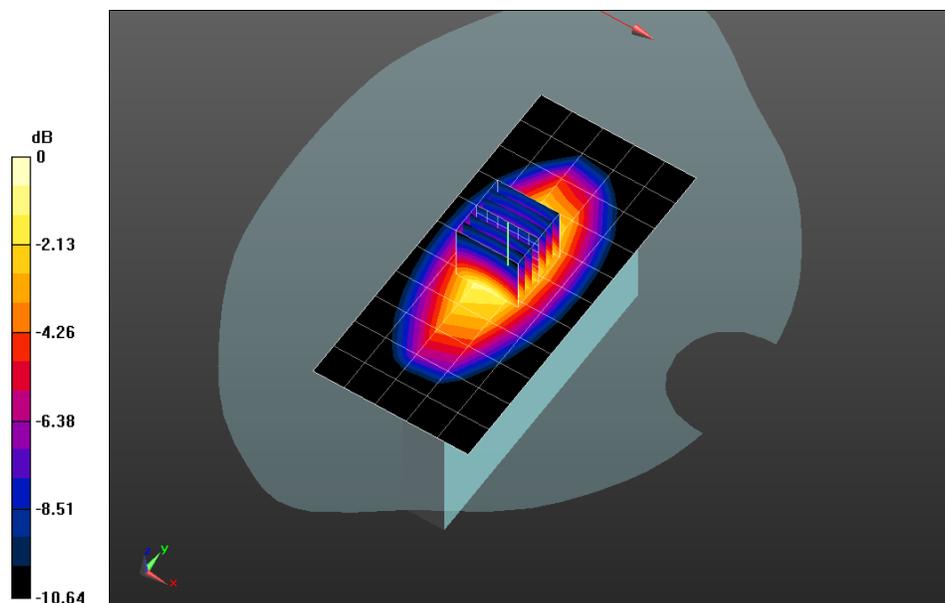
**Flat-Section 2/Bottom Edge 0mm\_836.6MHz\_Unit 2/Zoom Scan****(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 40.744 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.9930

**SAR(1 g) = 1.31 mW/g; SAR(10 g) = 0.839 mW/g**

Maximum value of SAR (measured) = 1.552 mW/g



0 dB = 1.550mW/g = 3.81 dB mW/g

**Plot 47:**

Date/Time: 6/5/2012 3:07:00 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: unit4:KM000:259**

Communication System: UMTS WCDMA; Frequency: 836.6 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.999$  mho/m;  $\epsilon_r = 53.92$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 24.1C; Medium Temperature: 22.0C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASYS2 52.8.0(692);

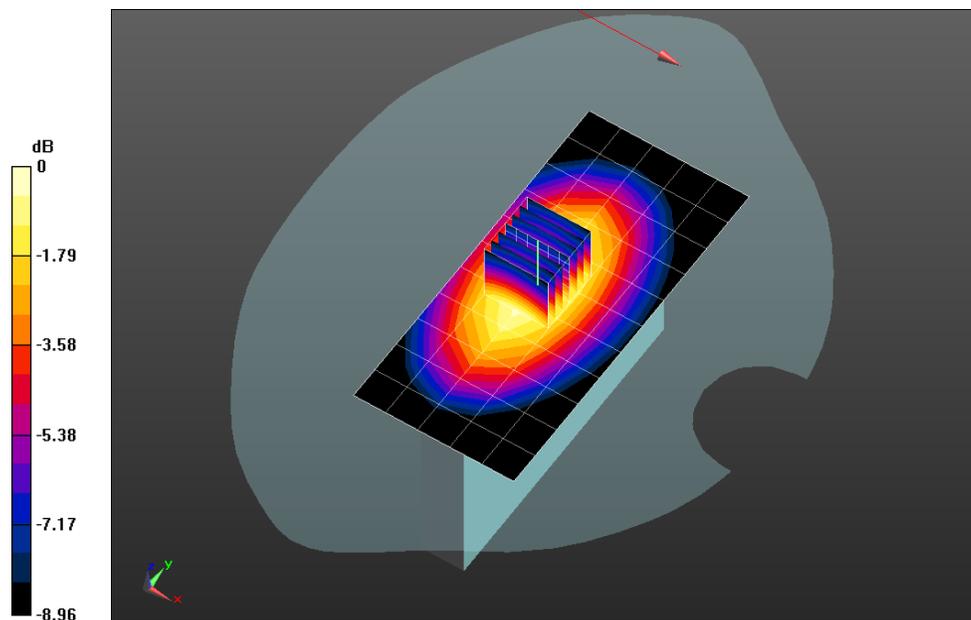
**Flat-Section/Bottom Edge 10mm\_836.6MHz\_Unit 4/Area Scan (6x12x1):**Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.462 mW/g

**Flat-Section/Bottom Edge 10mm\_836.6MHz\_Unit 4/Zoom Scan****(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 21.818 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.5400

**SAR(1 g) = 0.408 mW/g; SAR(10 g) = 0.288 mW/g**

**Plot 48:**

Date/Time: 6/5/2012 9:12:46 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: unit4:KM000259**

Communication System: UMTS WCDMA; Frequency: 836.6 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 1$  mho/m;  $\epsilon_r = 53.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 22.8C; Medium Temperature: 22.0C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASYS2 52.8.0(692);

**Flat-Section 2/Top Edge 0mm\_836.6MHz\_Unit 4/Area Scan (6x12x1):**

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

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

**Flat-Section 2/Top Edge 0mm\_836.6MHz\_Unit 4/Zoom Scan (7x7x7)/Cube**

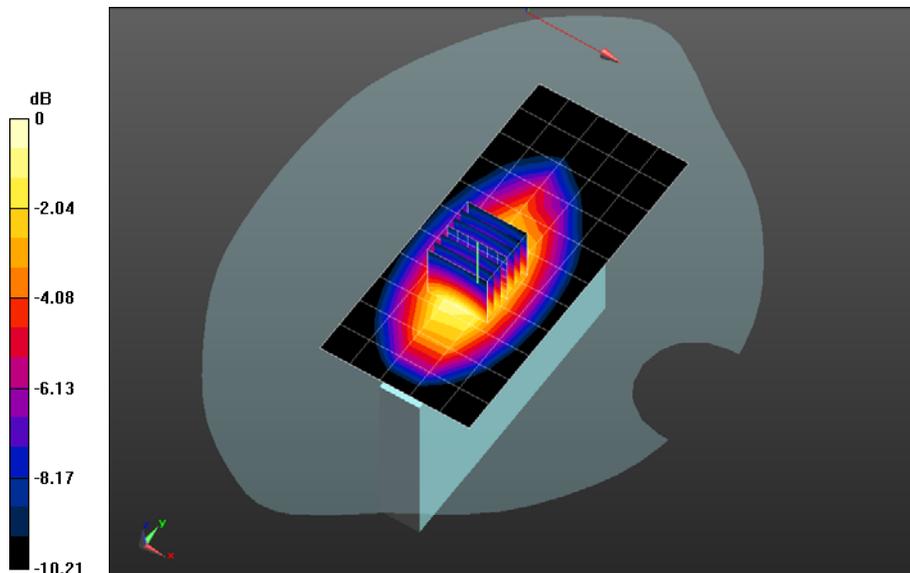
**0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 31.860 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.2330

**SAR(1 g) = 0.859 mW/g; SAR(10 g) = 0.568 mW/g**

Maximum value of SAR (measured) = 1.003 mW/g



0 dB = 1.000mW/g = 0 dB mW/g

**Plot 49:**

Date/Time: 6/5/2012 3:39:32 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: unit2:KM000250**

Communication System: UMTS WCDMA; Frequency: 836.6 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.999$  mho/m;  $\epsilon_r = 53.92$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 24.0C; Medium Temperature: 22.0C ;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASYS2 52.8.0(692);

**Flat-Section/Top Edge 10mm\_836.6MHz\_Unit 2/Area Scan (6x11x1):**Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.314 mW/g

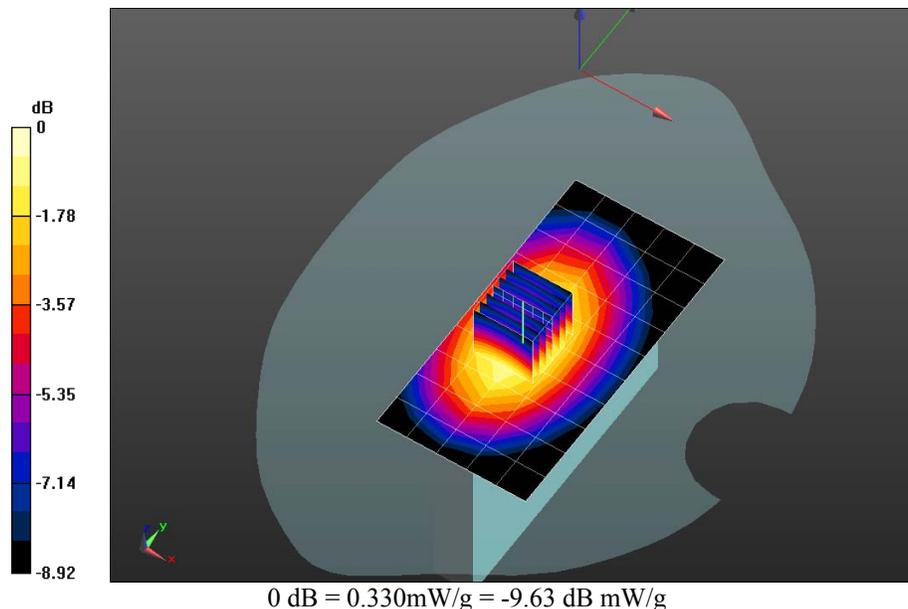
**Flat-Section/Top Edge 10mm\_836.6MHz\_Unit 2/Zoom Scan (7x7x7)/Cube****0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 18.409 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.3810

**SAR(1 g) = 0.289 mW/g; SAR(10 g) = 0.205 mW/g**

Maximum value of SAR (measured) = 0.327 mW/g



**Plot 50:**

Date/Time: 6/5/2012 10:03:44 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: unit4:KM000259**

Communication System: UMTS WCDMA; Frequency: 836.6 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 1$  mho/m;  $\epsilon_r = 53.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature:23.3C ; Medium Temperature:22.0C ;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASYS2 52.8.0(692);

**Flat-Section 2/Right Edge 0mm\_836.6MHz\_Unit 4/Area Scan (8x7x1):**Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.885 mW/g

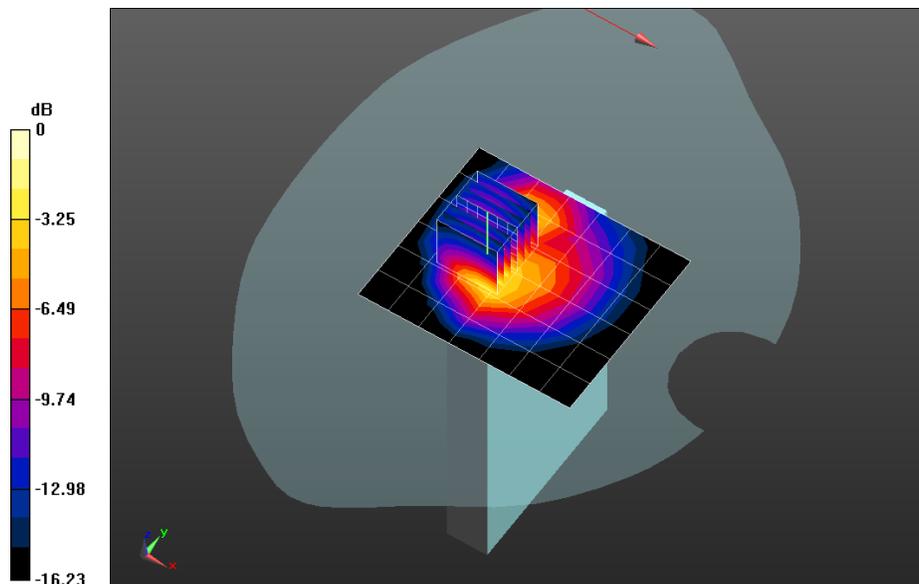
**Flat-Section 2/Right Edge 0mm\_836.6MHz\_Unit 4/Zoom Scan****(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 18.566 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.8590

**SAR(1 g) = 0.861 mW/g; SAR(10 g) = 0.423 mW/g**

Maximum value of SAR (measured) = 1.105 mW/g



**Plot 51:**

Date/Time: 6/5/2012 4:10:52 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: unit4:KM000:259**

Communication System: UMTS WCDMA; Frequency: 836.6 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.999$  mho/m;  $\epsilon_r = 53.92$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 23.8C; Medium Temperature: 22.0C ;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASYS2 52.8.0(692);

**Flat-Section/Right Edge 10mm\_836.6MHz\_Unit 4/Area Scan (7x8x1):**Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.210 mW/g

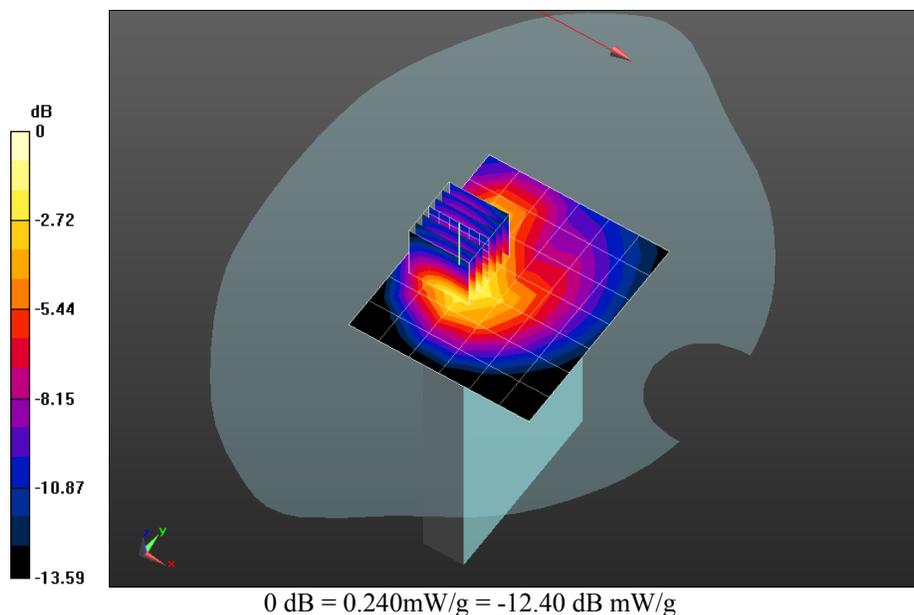
**Flat-Section/Right Edge 10mm\_836.6MHz\_Unit 4/Zoom Scan****(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 9.535 V/m; Power Drift = -0.21 dB

Peak SAR (extrapolated) = 0.3170

**SAR(1 g) = 0.198 mW/g; SAR(10 g) = 0.116 mW/g**

Maximum value of SAR (measured) = 0.241 mW/g



**Plot 52:**

Date/Time: 6/12/2012 12:06:16 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: unit2:KM000250**

Communication System: UMTS WCDMA; Frequency: 1732.6 MHz

Medium: MSL1750\_Batch 100824-2

Medium parameters used:  $f = 1732.6$  MHz;  $\sigma = 1.418$  mho/m;  $\epsilon_r = 54.57$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 23.8C; Medium Temperature: 22.0C ;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.87, 4.87, 4.87);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 2/Front 0mm\_1732.6MHz\_u2/Area Scan (8x11x1):** Measurement

grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.783 mW/g

**Flat-Section 2/Front 0mm\_1732.6MHz\_u2/Zoom Scan (7x7x7)/Cube 0:**

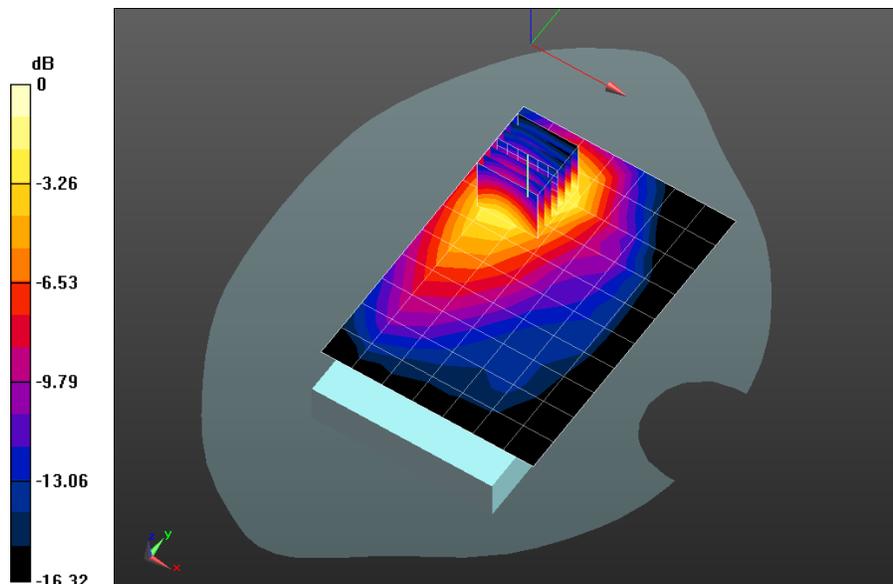
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.687 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.3010

**SAR(1 g) = 0.814 mW/g; SAR(10 g) = 0.457 mW/g**

Maximum value of SAR (measured) = 0.990 mW/g



0 dB = 0.990mW/g = -0.09 dB mW/g

**Plot 53:**

Date/Time: 6/13/2012 2:12:49 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: unit3:KM000253**

Communication System: UMTS WCDMA; Frequency: 1732.6 MHz

Medium: MSL1750\_Batch 100824-2

Medium parameters used:  $f = 1732.6$  MHz;  $\sigma = 1.426$  mho/m;  $\epsilon_r = 54.62$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 23.7C; Medium Temperature: 22.1C ;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.87, 4.87, 4.87);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 3/Front 10mm\_1732.6MHz\_u3/Area Scan (8x7x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.294 mW/g

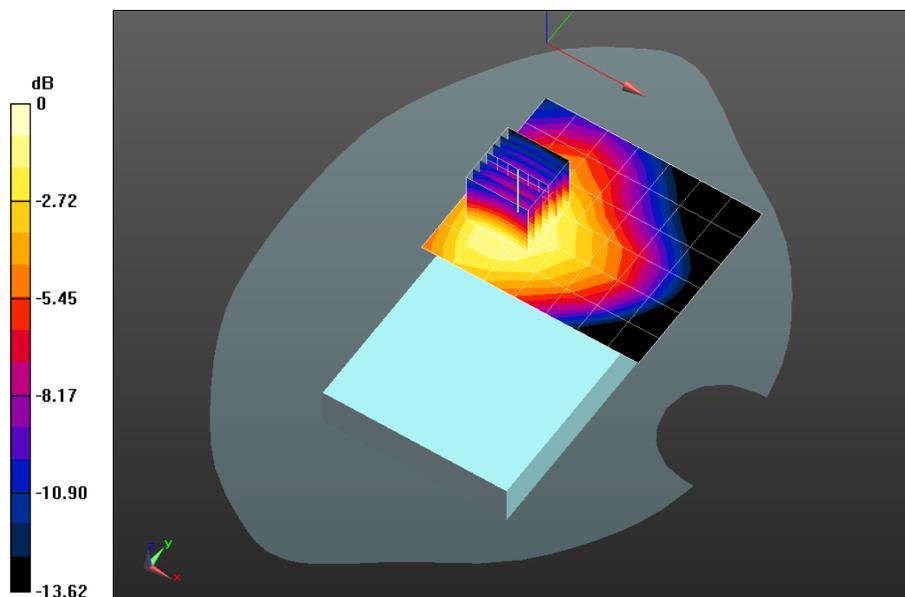
**Flat-Section 3/Front 10mm\_1732.6MHz\_u3/Zoom Scan (7x7x7)/Cube 0:**Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 6.053 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.3910

**SAR(1 g) = 0.275 mW/g; SAR(10 g) = 0.180 mW/g**

Maximum value of SAR (measured) = 0.317 mW/g



0 dB = 0.320mW/g = -9.90 dB mW/g

**Plot 54:**

Date/Time: 6/12/2012 1:46:44 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: unit3:KM000253**

Communication System: UMTS WCDMA; Frequency: 1732.6 MHz

Medium: MSL1750\_Batch 100824-2

Medium parameters used:  $f = 1732.6$  MHz;  $\sigma = 1.418$  mho/m;  $\epsilon_r = 54.57$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 23.8C; Medium Temperature: 22.0C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.87, 4.87, 4.87);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 2/Back 0mm\_1732.6MHz\_u3/Area Scan (8x9x1):** Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (measured) = 4.978 mW/g

**Flat-Section 2/Back 0mm\_1732.6MHz\_u3/Zoom Scan (7x7x7)/Cube 0:**

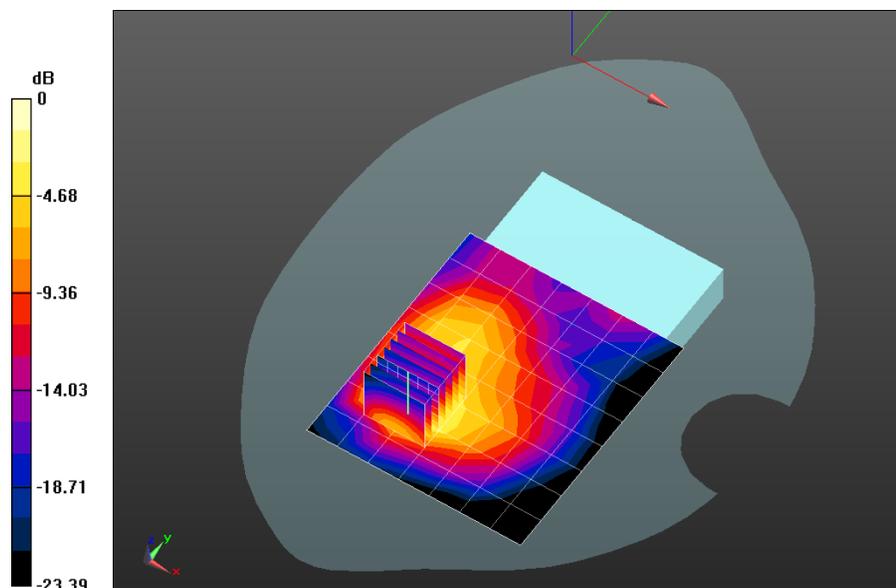
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.895 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 9.8170

**SAR(1 g) = 3.46 mW/g; SAR(10 g) = 1.7 mW/g**

Maximum value of SAR (measured) = 5.111 mW/g



0 dB = 5.110mW/g = 14.17 dB mW/g

**Plot 55:**

Date/Time: 6/13/2012 1:29:00 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: unit2:KM000250**

Communication System: UMTS WCDMA; Frequency: 1732.6 MHz

Medium: MSL1750\_Batch 100824-2

Medium parameters used:  $f = 1732.6$  MHz;  $\sigma = 1.426$  mho/m;  $\epsilon_r = 54.62$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 23.7C; Medium Temperature: 22.1C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.87, 4.87, 4.87);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 3/Back 10mm\_1732.6MHz\_u2/Area Scan (8x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.670 mW/g

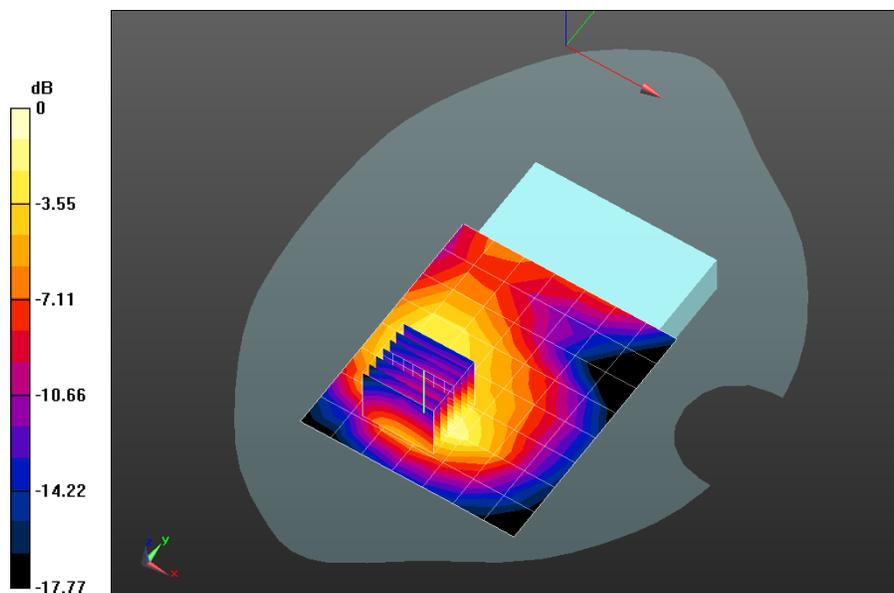
**Flat-Section 3/Back 10mm\_1732.6MHz\_u2/Zoom Scan (8x7x7)/Cube 0:**Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 7.730 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.9760

**SAR(1 g) = 0.573 mW/g; SAR(10 g) = 0.318 mW/g**

Maximum value of SAR (measured) = 0.706 mW/g



0 dB = 0.710mW/g = -2.97 dB mW/g

**Plot 56:**

Date/Time: 6/12/2012 2:12:18 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: unit3:KM000253**

Communication System: UMTS WCDMA; Frequency: 1732.6 MHz

Medium: MSL1750\_Batch 100824-2

Medium parameters used:  $f = 1732.6$  MHz;  $\sigma = 1.418$  mho/m;  $\epsilon_r = 54.57$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 23.9C; Medium Temperature: 22.0C ;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.87, 4.87, 4.87);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 2/Bottom Edge 0mm\_1732.6MHz\_u3/Area Scan (6x11x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.242 mW/g

**Flat-Section 2/Bottom Edge 0mm\_1732.6MHz\_u3/Zoom Scan (7x7x7)/Cube 0:** Measurement

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

Reference Value = 7.138 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.3380

**SAR(1 g) = 0.208 mW/g; SAR(10 g) = 0.115 mW/g**

Maximum value of SAR (measured) = 0.255 mW/g

**Flat-Section 2/Bottom Edge 0mm\_1732.6MHz\_u3/Zoom Scan (7x7x7)/Cube 1:** Measurement

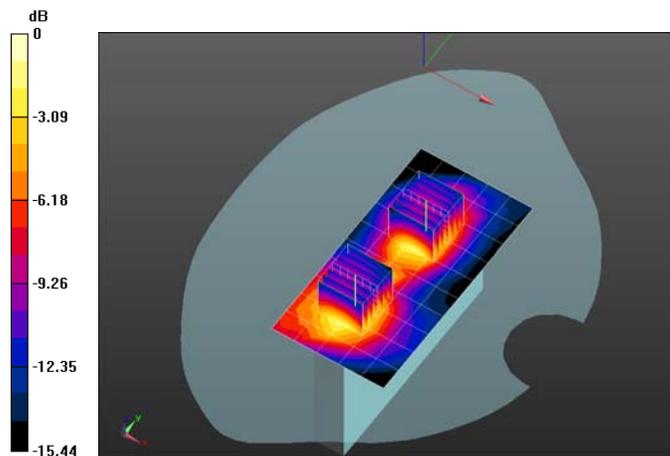
grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 7.138 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.2990

**SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.107 mW/g**

Maximum value of SAR (measured) = 0.224 mW/g



0 dB = 0.220mW/g = -13.15 dB mW/g

**Plot 57:**

Date/Time: 6/13/2012 11:59:18 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: unit3:KM000253**

Communication System: UMTS WCDMA; Frequency: 1732.6 MHz

Medium: MSL1750\_Batch 100824-2

Medium parameters used:  $f = 1732.6$  MHz;  $\sigma = 1.426$  mho/m;  $\epsilon_r = 54.62$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 23.6C; Medium Temperature: 22.1C ;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.87, 4.87, 4.87);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 3/Bottom Edge 10mm\_1732.6MHz\_u3/Area Scan (6x12x1):** Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.069 mW/g

**Flat-Section 3/Bottom Edge 10mm\_1732.6MHz\_u3/Zoom Scan (7x7x7)/Cube 0:** Measurement

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

Reference Value = 2.317 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.0910

**SAR(1 g) = 0.060 mW/g; SAR(10 g) = 0.038 mW/g**

Maximum value of SAR (measured) = 0.072 mW/g

**Flat-Section 3/Bottom Edge 10mm\_1732.6MHz\_u3/Zoom Scan (7x7x7)/Cube 1:** Measurement

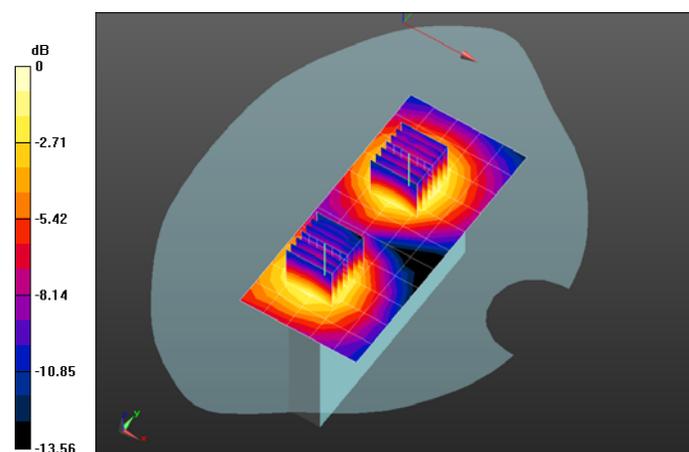
grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.317 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.0710

**SAR(1 g) = 0.048 mW/g; SAR(10 g) = 0.031 mW/g**

Maximum value of SAR (measured) = 0.056 mW/g



0 dB = 0.060mW/g = -24.44 dB mW/g

**Plot 58:**

Date/Time: 6/12/2012 2:52:28 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: unit3:KM000253**

Communication System: UMTS WCDMA; Frequency: 1732.6 MHz

Medium: MSL1750\_Batch 100824-2

Medium parameters used:  $f = 1732.6$  MHz;  $\sigma = 1.418$  mho/m;  $\epsilon_r = 54.57$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 23.8C; Medium Temperature: 22.0C ;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.87, 4.87, 4.87);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 2/Top Edge 0mm\_1732.6MHz\_u3/Area Scan (6x11x1):**Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 1.446 mW/g

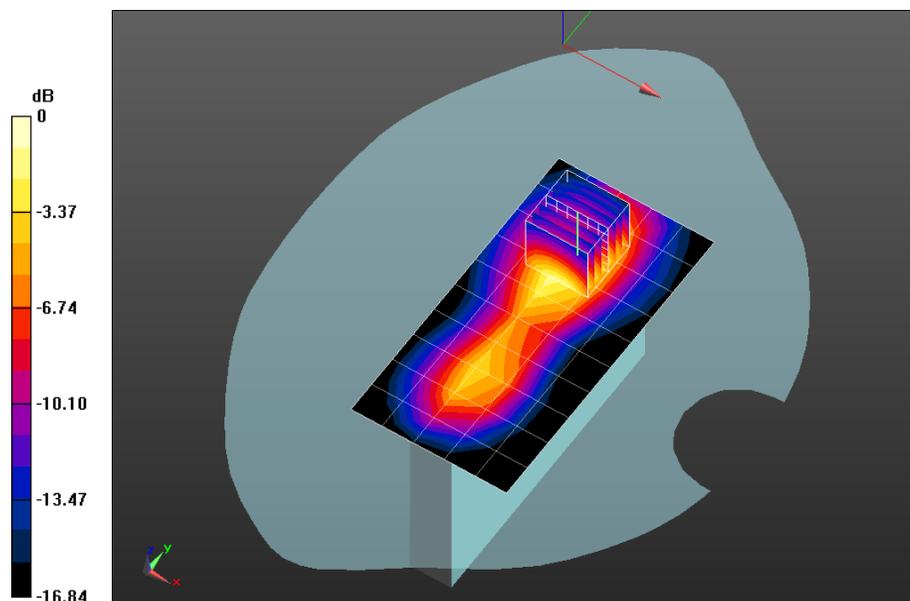
**Flat-Section 2/Top Edge 0mm\_1732.6MHz\_u3/Zoom Scan (7x7x7)/Cube 0:**Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 19.754 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 2.1510

**SAR(1 g) = 1.28 mW/g; SAR(10 g) = 0.718 mW/g**

Maximum value of SAR (measured) = 1.600 mW/g



0 dB = 1.600mW/g = 4.08 dB mW/g

**Plot 59:**

Date/Time: 6/13/2012 11:21:50 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: unit3:KM000253**

Communication System: UMTS WCDMA; Frequency: 1732.6 MHz

Medium: MSL1750\_Batch 100824-2

Medium parameters used:  $f = 1732.6$  MHz;  $\sigma = 1.426$  mho/m;  $\epsilon_r = 54.62$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 23.6C; Medium Temperature: 22.1C ;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.87, 4.87, 4.87);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 3/Top Edge 10mm\_1732.6MHz\_u3/Area Scan (6x11x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.336 mW/g

**Flat-Section 3/Top Edge 10mm\_1732.6MHz\_u3/Zoom Scan (7x7x7)/Cube 0:** Measurement

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

Reference Value = 10.920 V/m; Power Drift = -0.0028 dB

Peak SAR (extrapolated) = 0.4260

**SAR(1 g) = 0.281 mW/g; SAR(10 g) = 0.173 mW/g**

Maximum value of SAR (measured) = 0.333 mW/g

**Flat-Section 3/Top Edge 10mm\_1732.6MHz\_u3/Zoom Scan (7x7x7)/Cube 1:** Measurement

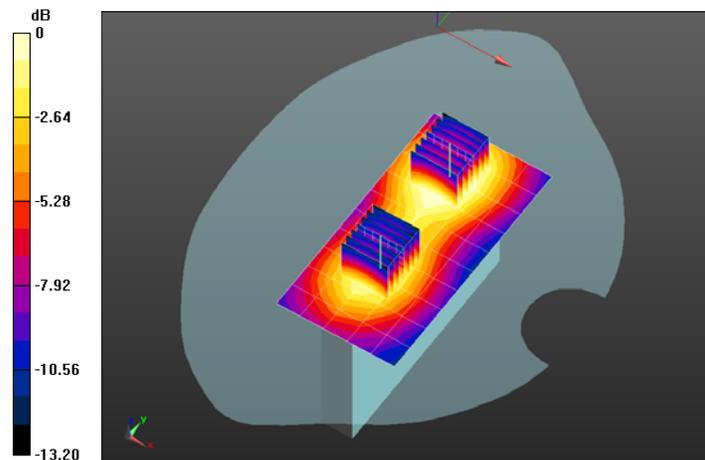
grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 10.920 V/m; Power Drift = -0.0028 dB

Peak SAR (extrapolated) = 0.3030

**SAR(1 g) = 0.204 mW/g; SAR(10 g) = 0.129 mW/g**

Maximum value of SAR (measured) = 0.239 mW/g



0 dB = 0.240mW/g = -12.40 dB mW/g

**Plot 60:**

Date/Time: 6/12/2012 3:43:14 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: unit2:KM000250**

Communication System: UMTS WCDMA; Frequency: 1732.6 MHz

Medium: MSL1750\_Batch 100824-2

Medium parameters used:  $f = 1732.6$  MHz;  $\sigma = 1.418$  mho/m;  $\epsilon_r = 54.57$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 24.2C; Medium Temperature: 22.0C ;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.87, 4.87, 4.87);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 2/Right Edge 0mm\_1732.6MHz\_u2/Area Scan (7x8x1):**Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 2.948 mW/g

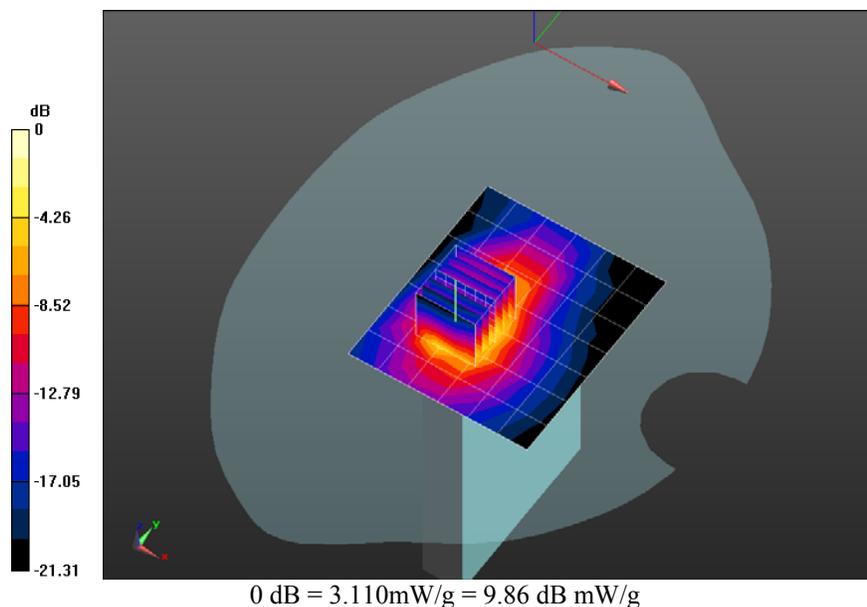
**Flat-Section 2/Right Edge 0mm\_1732.6MHz\_u2/Zoom Scan (7x7x7)/Cube****0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 29.895 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 5.5040

**SAR(1 g) = 2.26 mW/g; SAR(10 g) = 1.04 mW/g**

Maximum value of SAR (measured) = 3.106 mW/g



**Plot 61:**

Date/Time: 6/12/2012 4:18:59 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: unit2:KM000250**

Communication System: UMTS WCDMA; Frequency: 1732.6 MHz

Medium: MSL1750\_Batch 100824-2

Medium parameters used:  $f = 1732.6$  MHz;  $\sigma = 1.418$  mho/m;  $\epsilon_r = 54.57$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 23.8C; Medium Temperature: 22.0C ;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.87, 4.87, 4.87);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section/Right Edge 10mm\_1732.6MHz\_u2/Area Scan (7x8x1):**

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

Maximum value of SAR (measured) = 0.435 mW/g

**Flat-Section/Right Edge 10mm\_1732.6MHz\_u2/Zoom Scan (7x7x7)/Cube**

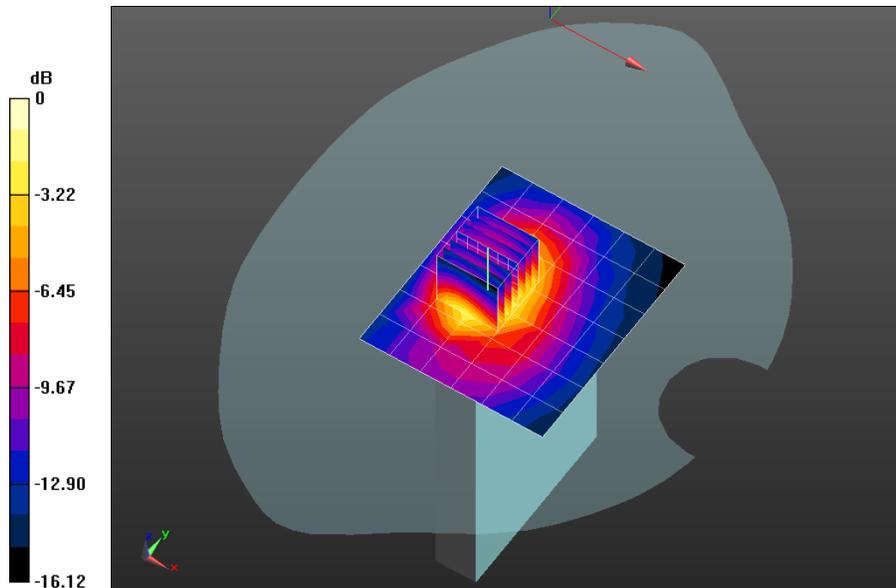
**0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 14.933 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.5990

**SAR(1 g) = 0.362 mW/g; SAR(10 g) = 0.207 mW/g**

Maximum value of SAR (measured) = 0.442 mW/g



0 dB = 0.440mW/g = -7.13 dB mW/g

**Plot 62:**

Date/Time: 6/15/2012 5:14:04 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U4:259**

Communication System: UMTS WCDMA; Frequency: 1880 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.503$  mho/m;  $\epsilon_r = 51.18$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 22.7C; Medium Temperature: 22.0C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 1/Front 0mm\_1880MHz\_u4/Area Scan (8x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 1.631 mW/g

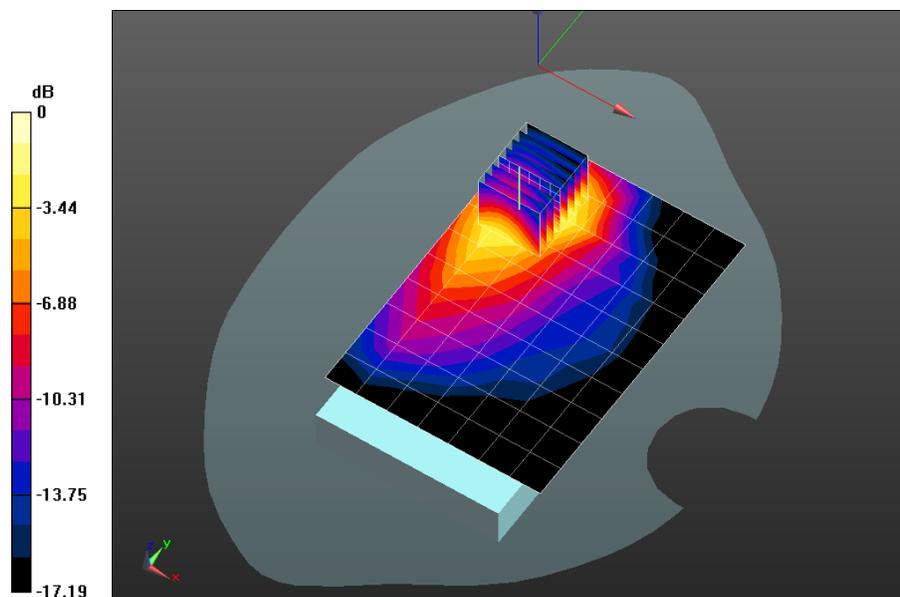
**Flat-Section 1/Front 0mm\_1880MHz\_u4/Zoom Scan (7x8x7)/Cube 0:**Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 9.387 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.5830

**SAR(1 g) = 1.53 mW/g; SAR(10 g) = 0.839 mW/g**

Maximum value of SAR (measured) = 1.856 mW/g



0 dB = 1.860mW/g = 5.39 dB mW/g

**Plot 63:**

Date/Time: 6/18/2012 11:24:48 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U3:253**

Communication System: UMTS WCDMA; Frequency: 1880 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.532$  mho/m;  $\epsilon_r = 50.98$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 23.5C; Medium Temperature: 22.0C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 2/Front 10mm\_1880MHz\_u3/Area Scan (8x7x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

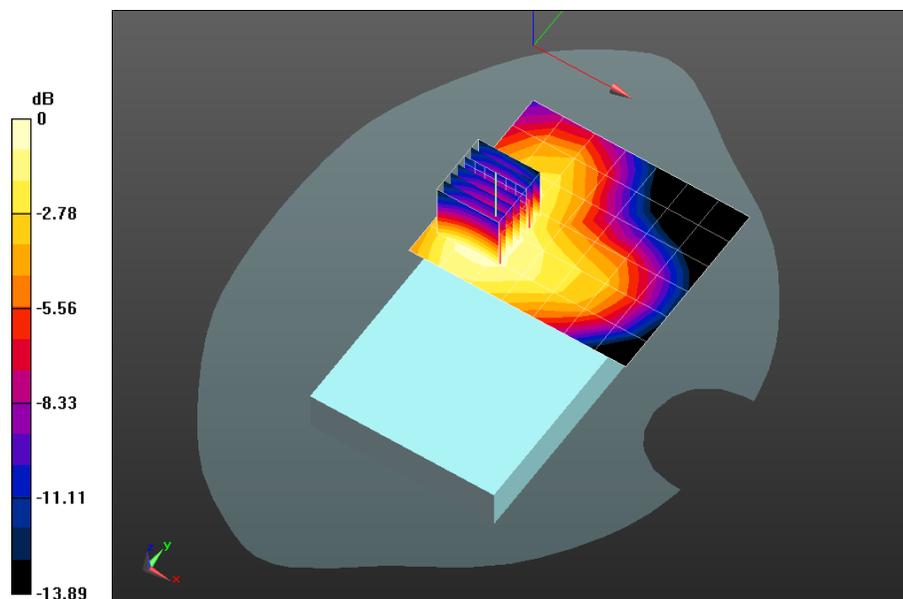
**Flat-Section 2/Front 10mm\_1880MHz\_u3/Zoom Scan (7x7x7)/Cube 0:**Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 8.210 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.4850

**SAR(1 g) = 0.332 mW/g; SAR(10 g) = 0.217 mW/g**

Maximum value of SAR (measured) = 0.384 mW/g



0 dB = 0.380mW/g = -8.40 dB mW/g

**Plot 64:**

Date/Time: 6/18/2012 10:09:41 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U2:2KM000250**

Communication System: UMTS WCDMA; Frequency: 1880 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.532$  mho/m;  $\epsilon_r = 50.98$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 22.9C; Medium Temperature: 22.0C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 2/Back 0mm\_1880MHz\_u2/Area Scan (8x9x1):** Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (measured) = 4.767 mW/g

**Flat-Section 2/Back 0mm\_1880MHz\_u2/Zoom Scan (7x7x7)/Cube 0:**

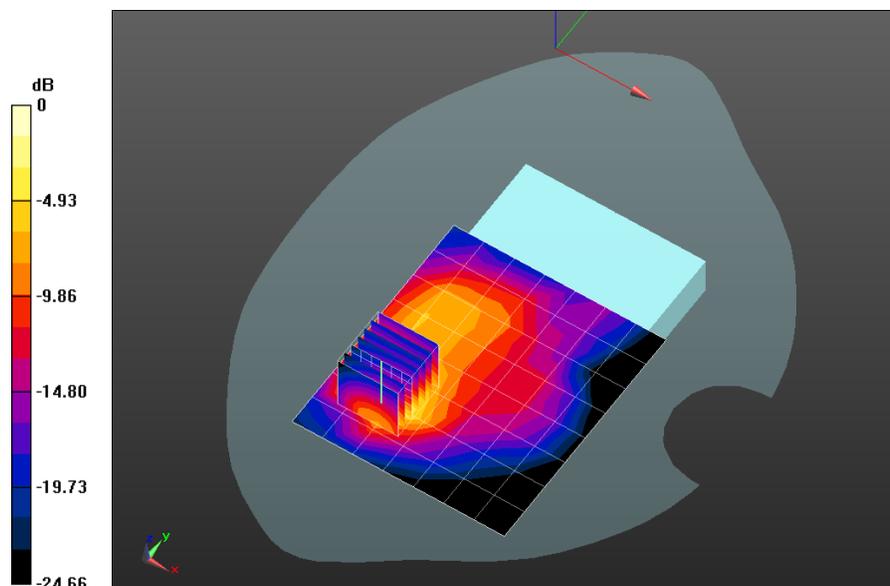
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.943 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 10.2400

**SAR(1 g) = 3.36 mW/g; SAR(10 g) = 1.37 mW/g**

Maximum value of SAR (measured) = 5.342 mW/g



**Plot 65:**

Date/Time: 6/18/2012 10:42:37 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U2:2KM000250**

Communication System: UMTS WCDMA; Frequency: 1880 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.532$  mho/m;  $\epsilon_r = 50.98$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 23.1C; Medium Temperature: 22.0C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 2/Back 10mm\_1880MHz\_u2/Area Scan (8x9x1):** Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.876 mW/g

**Flat-Section 2/Back 10mm\_1880MHz\_u2/Zoom Scan (7x7x7)/Cube 0:**

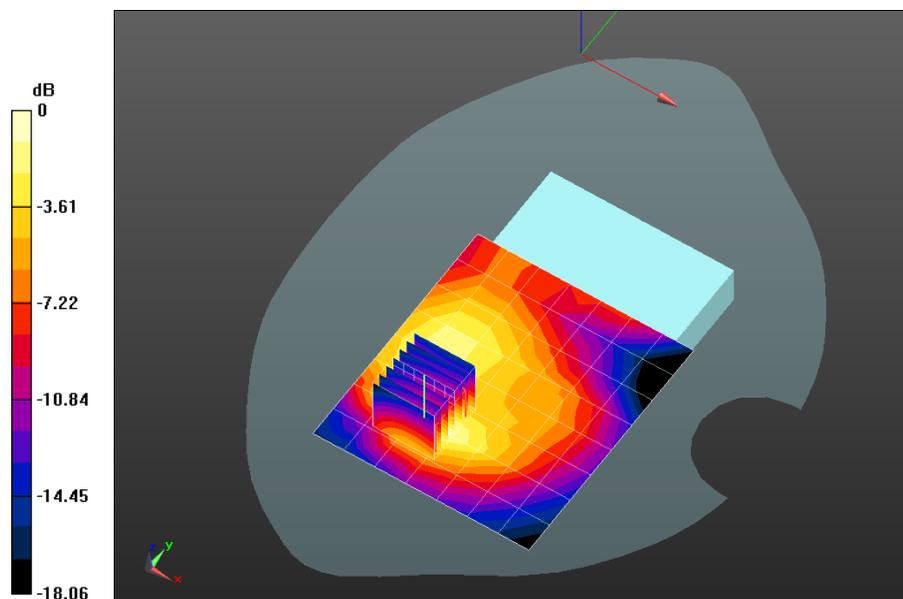
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.315 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.2410

**SAR(1 g) = 0.691 mW/g; SAR(10 g) = 0.363 mW/g**

Maximum value of SAR (measured) = 0.862 mW/g



0 dB = 0.860mW/g = -1.31 dB mW/g

**Plot 66:**

Date/Time: 6/15/2012 12:54:44 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U4:259**

Communication System: UMTS WCDMA; Frequency: 1880 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.503$  mho/m;  $\epsilon_r = 51.18$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 23.7C; Medium Temperature: 22.0C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 1/Bottom Edge 0mm\_1880MHz\_u4/Area Scan (6x12x1):** Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.196 mW/g

**Flat-Section 1/Bottom Edge 0mm\_1880MHz\_u4/Zoom Scan (7x7x7)/Cube 0:** Measurement

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

Reference Value = 7.177 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.2710

**SAR(1 g) = 0.159 mW/g; SAR(10 g) = 0.085 mW/g**

Maximum value of SAR (measured) = 0.201 mW/g

**Flat-Section 1/Bottom Edge 0mm\_1880MHz\_u4/Zoom Scan (7x7x7)/Cube 1:** Measurement

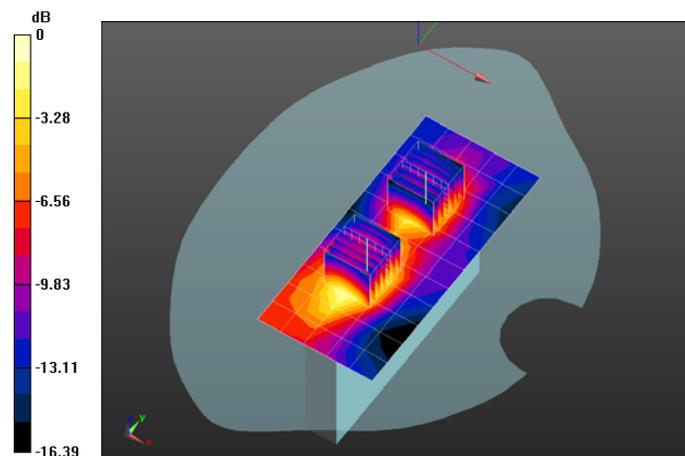
grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.177 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.2100

**SAR(1 g) = 0.121 mW/g; SAR(10 g) = 0.064 mW/g**

Maximum value of SAR (measured) = 0.154 mW/g



0 dB = 0.150mW/g = -16.48 dB mW/g

**Plot 67:**

Date/Time: 6/15/2012 1:33:26 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U4:259**

Communication System: UMTS WCDMA; Frequency: 1880 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.503$  mho/m;  $\epsilon_r = 51.18$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 23.7C; Medium Temperature: 22.0C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section/Bottom Edge 10mm\_1880MHz\_u4/Area Scan (6x12x1):** Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.115 mW/g

**Flat-Section/Bottom Edge 10mm\_1880MHz\_u4/Zoom Scan (7x7x7)/Cube 0:** Measurement

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

Reference Value = 2.941 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.1490

**SAR(1 g) = 0.097 mW/g; SAR(10 g) = 0.059 mW/g**

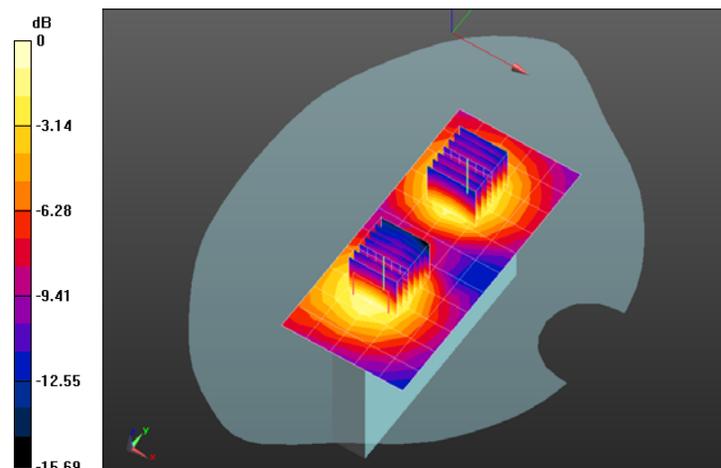
Maximum value of SAR (measured) = 0.116 mW/g

**Flat-Section/Bottom Edge 10mm\_1880MHz\_u4/Zoom Scan (7x7x7)/Cube 1:** Measurement

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

Reference Value = 2.941 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.1500

**SAR(1 g) = 0.098 mW/g; SAR(10 g) = 0.060 mW/g**

0 dB = 0.120mW/g = -18.42 dB mW/g

**Plot 68:**

Date/Time: 6/15/2012 2:16:49 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U3:253**

Communication System: UMTS WCDMA; Frequency: 1880 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.503$  mho/m;  $\epsilon_r = 51.18$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 23.9C; Medium Temperature: 22.0C ;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 1/Top Edge 0mm\_1880MHz\_u3/Area Scan (6x11x1):**Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 2.527 mW/g

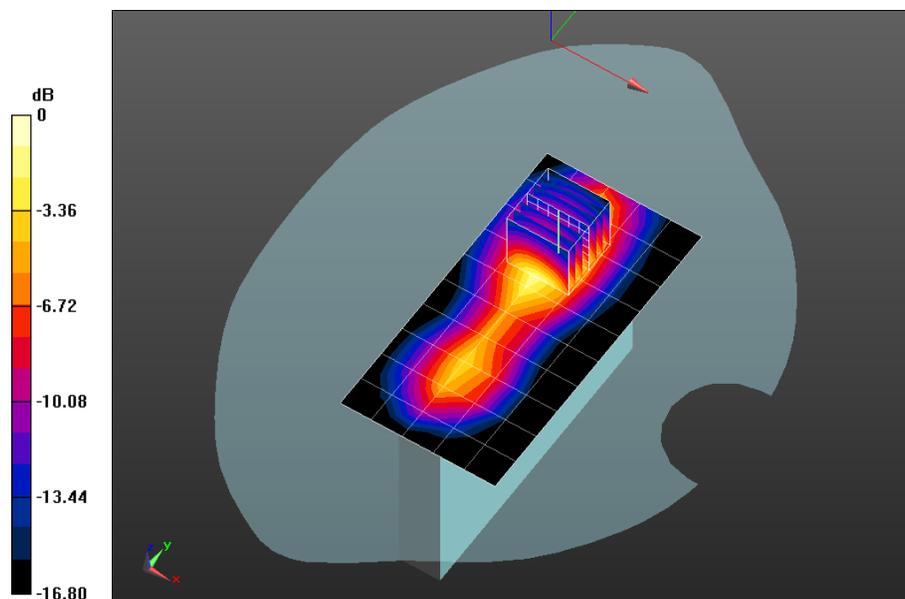
**Flat-Section 1/Top Edge 0mm\_1880MHz\_u3/Zoom Scan (7x7x7)/Cube 0:**Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 23.680 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.5830

**SAR(1 g) = 2.04 mW/g; SAR(10 g) = 1.11 mW/g**

Maximum value of SAR (measured) = 2.582 mW/g



**Plot 69:**

Date/Time: 6/15/2012 2:43:06 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U3:253**

Communication System: UMTS WCDMA; Frequency: 1880 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.503$  mho/m;  $\epsilon_r = 51.18$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 23.7C; Medium Temperature: 22.0C ;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section/Top Edge 10mm\_1880MHz\_u3/Area Scan (6x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.694 mW/g

**Flat-Section/Top Edge 10mm\_1880MHz\_u3/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 12.487 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.9150

**SAR(1 g) = 0.588 mW/g; SAR(10 g) = 0.358 mW/g**

Maximum value of SAR (measured) = 0.701 mW/g

**Flat-Section/Top Edge 10mm\_1880MHz\_u3/Zoom Scan (7x7x7)/Cube 1:** Measurement grid:

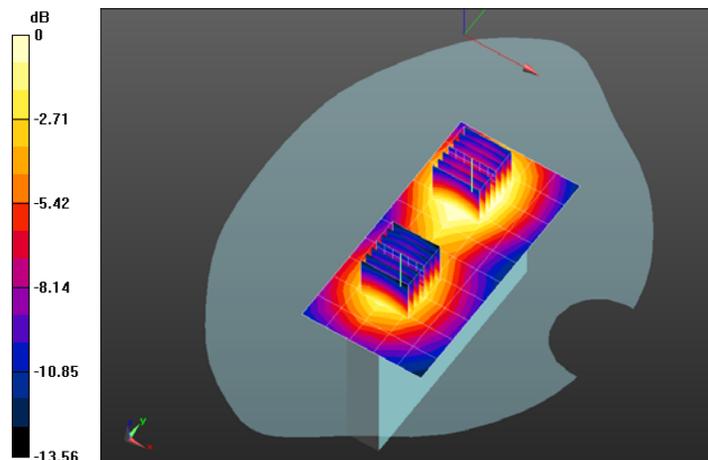
$dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 12.487 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.5920

**SAR(1 g) = 0.387 mW/g; SAR(10 g) = 0.238 mW/g**

Maximum value of SAR (measured) = 0.456 mW/g



0 dB = 0.460mW/g = -6.74 dB mW/g

**Plot 70:**

Date/Time: 6/15/2012 3:42:20 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U4:259**

Communication System: UMTS WCDMA; Frequency: 1880 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.503$  mho/m;  $\epsilon_r = 51.18$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 23.7C; Medium Temperature: 22.0C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section 1/Right Edge 0mm\_1880MHz\_u4/Area Scan (7x8x1):**Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 2.153 mW/g

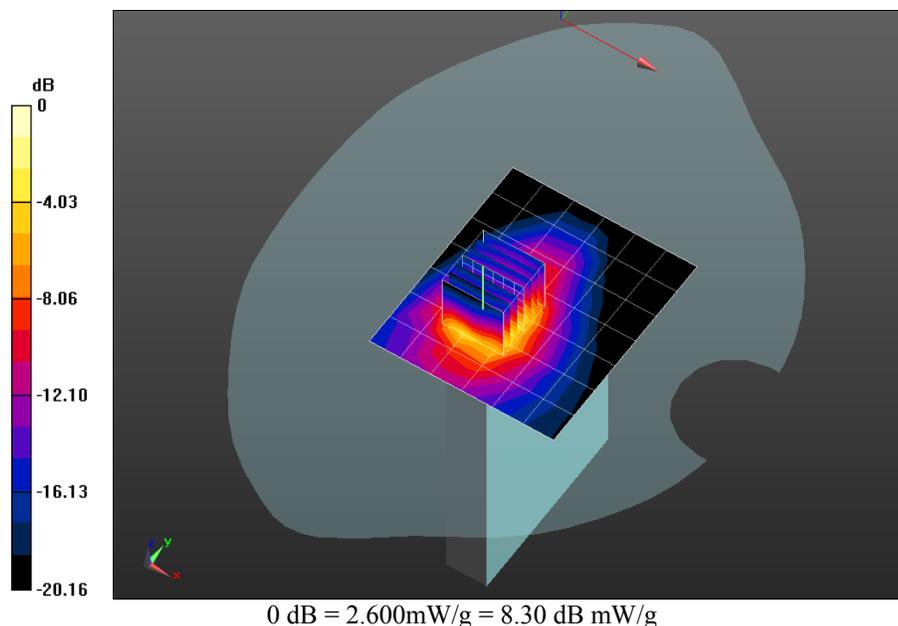
**Flat-Section 1/Right Edge 0mm\_1880MHz\_u4/Zoom Scan (7x7x7)/Cube 0:**Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 24.110 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 4.6530

**SAR(1 g) = 1.93 mW/g; SAR(10 g) = 0.909 mW/g**

Maximum value of SAR (measured) = 2.604 mW/g



**Plot 71:**

Date/Time: 6/15/2012 4:03:20 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Garmin; Type: GPS; Serial: U4:259**

Communication System: UMTS WCDMA; Frequency: 1880 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.503$  mho/m;  $\epsilon_r = 51.18$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 24.0C; Medium Temperature: 22.0C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**Flat-Section/Right Edge 10mm\_1880MHz\_u4/Area Scan (7x8x1):**Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

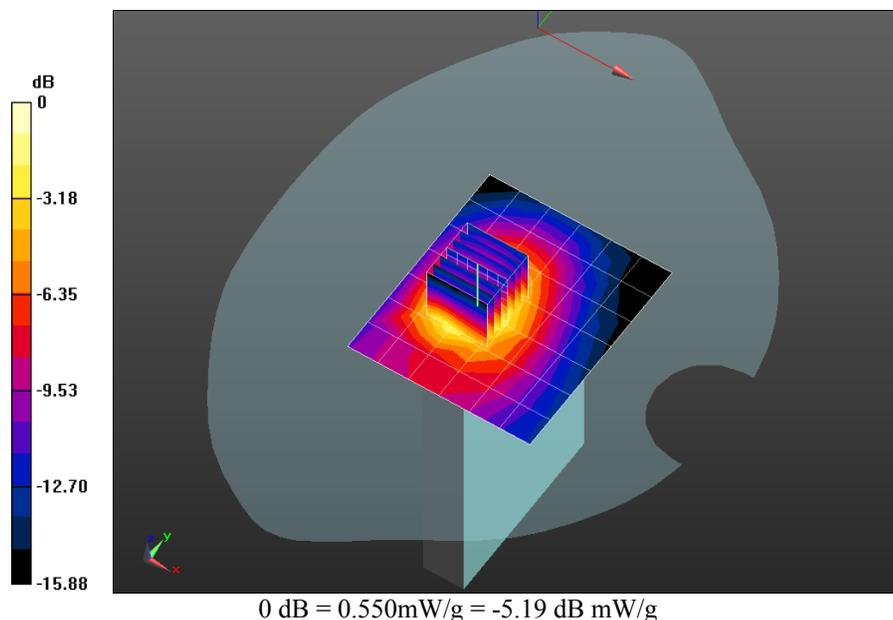
**Flat-Section/Right Edge 10mm\_1880MHz\_u4/Zoom Scan (7x7x7)/Cube 0:**Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 16.357 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.7850

**SAR(1 g) = 0.460 mW/g; SAR(10 g) = 0.258 mW/g**

Maximum value of SAR (measured) = 0.554 mW/g



**Plot 72:**

Date/Time: 6/4/2012 10:59:49 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Dipole 835 MHz D835V2; Type: D835V2; Serial: D835V2 - SN: 4D113**

Communication System: CW; Frequency: 835 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used (interpolated):  $f = 835$  MHz;  $\sigma = 0.998$  mho/m;  $\epsilon_r = 53.925$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 22.8C ; Medium Temperature: 21.6C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASY52 52.8.0(692);

**System Performance Check at Frequencies below 1 GHz/d=15mm,****Pin=1W, dist=3.0mm (ES-Probe)/Area Scan (6x6x1):** Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 10.208 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:**

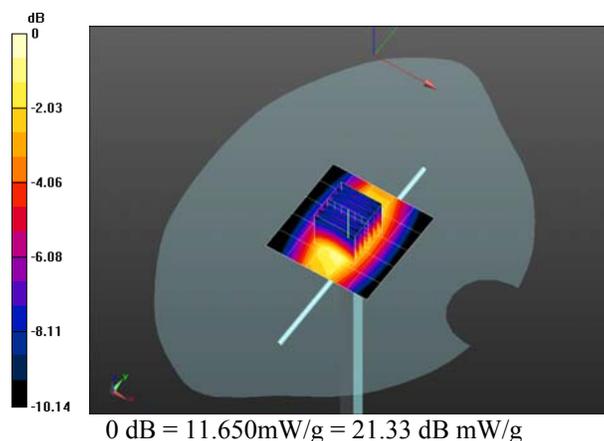
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 112.1 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 14.0870

**SAR(1 g) = 10 mW/g; SAR(10 g) = 6.66 mW/g**[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 11.650 mW/g



**Plot 73:**

Date/Time: 6/5/2012 10:39:22 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Dipole 835 MHz D835V2; Type: D835V2; Serial: D835V2 - SN: 4D113**

Communication System: CW; Frequency: 835 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used (interpolated):  $f = 835$  MHz;  $\sigma = 0.997$  mho/m;  $\epsilon_r = 53.942$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran ; Air Temperature: 23.6C ; Medium Temperature: 22.0C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASY52 52.8.0(692);

**System Performance Check at Frequencies below 1 GHz/d=15mm,****Pin=1W, dist=3.0mm (ES-Probe)/Area Scan (6x6x1):** Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 10.467 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:**

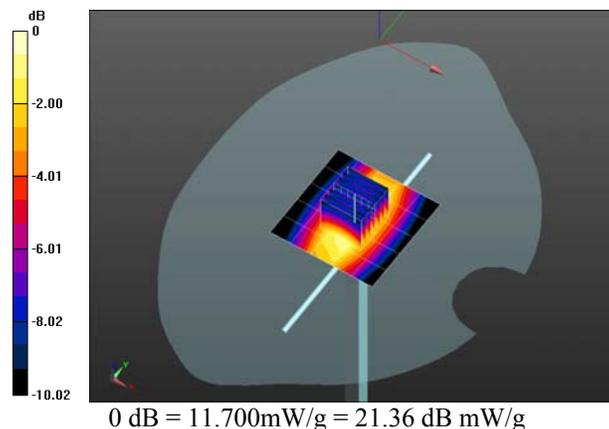
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 114.6 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 14.0690

**SAR(1 g) = 10.1 mW/g; SAR(10 g) = 6.72 mW/g**[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 11.698 mW/g



**Plot 74:**

Date/Time: 6/6/2012 9:48:14 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Dipole 835 MHz D835V2; Type: D835V2; Serial: D835V2 - SN: 4D113**

Communication System: CW; Frequency: 835 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used (interpolated):  $f = 835$  MHz;  $\sigma = 0.992$  mho/m;  $\epsilon_r = 53.497$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 23.2C; Medium Temperature: 22.3C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASY52 52.8.0(692);

**System Performance Check at Frequencies below 1 GHz/d=15mm,****Pin=1W, dist=3.0mm (ES-Probe)/Area Scan (6x6x1):** Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 10.471 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:**

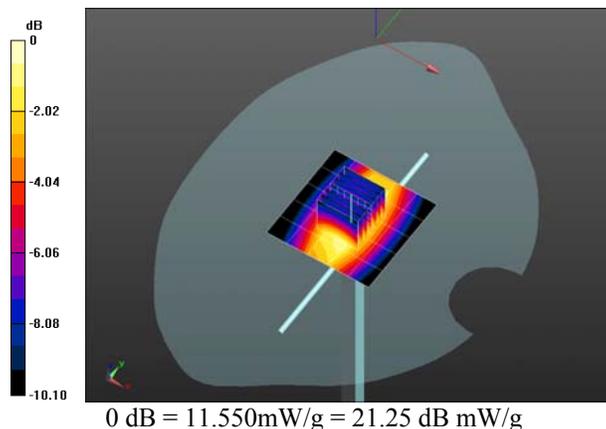
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 114.6 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 13.9610

**SAR(1 g) = 9.97 mW/g; SAR(10 g) = 6.63 mW/g**[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 11.551 mW/g



**Plot 75:**

Date/Time: 6/7/2012 8:50:34 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Dipole 835 MHz D835V2; Type: D835V2; Serial: D835V2 - SN: 4D113**

Communication System: CW; Frequency: 835 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used (interpolated):  $f = 835$  MHz;  $\sigma = 0.994$  mho/m;  $\epsilon_r = 53.486$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 22.7C; Medium Temperature: 22.1C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASY52 52.8.0(692);

**System Performance Check at Frequencies below 1 GHz/d=15mm,****Pin=1W, dist=3.0mm (ES-Probe)/Area Scan (6x6x1):** Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 11.455 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:**

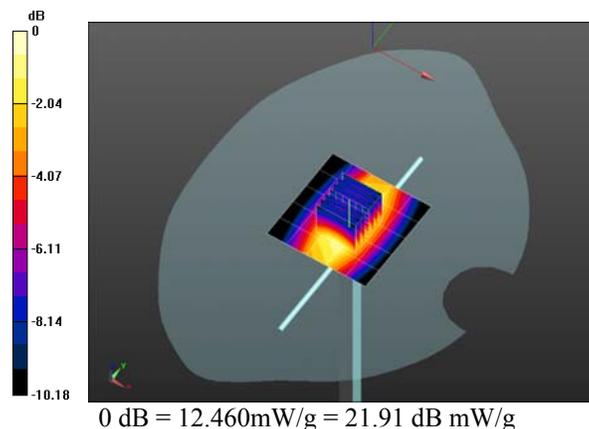
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 117.6 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 15.1400

**SAR(1 g) = 10.8 mW/g; SAR(10 g) = 7.16 mW/g**[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 12.460 mW/g



**Plot 76:**

Date/Time: 6/8/2012 9:17:11 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Dipole 835 MHz D835V2; Type: D835V2; Serial: D835V2 - SN: 4D113**

Communication System: CW; Frequency: 835 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used (interpolated):  $f = 835$  MHz;  $\sigma = 0.994$  mho/m;  $\epsilon_r = 53.099$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 22.7C; Medium Temperature: 22.1C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASY52 52.8.0(692);

**System Performance Check at Frequencies below 1 GHz/d=15mm,****Pin=1W, dist=3.0mm (ES-Probe)/Area Scan (6x6x1):** Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 10.461 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:**

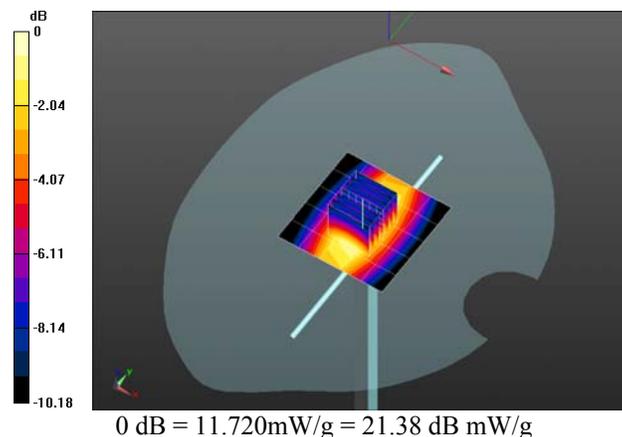
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 115.9 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 14.1260

**SAR(1 g) = 10.1 mW/g; SAR(10 g) = 6.7 mW/g**[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 11.719 mW/g



**Plot 77:**

Date/Time: 6/11/2012 8:51:45 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Dipole 835 MHz D835V2; Type: D835V2; Serial: D835V2 - SN: 4D113**

Communication System: CW; Frequency: 835 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used (interpolated):  $f = 835$  MHz;  $\sigma = 0.987$  mho/m;  $\epsilon_r = 52.907$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 22.7C; Medium Temperature: 22.1C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASYS2 52.8.0(692);

**System Performance Check at Frequencies below 1 GHz/d=15mm,****Pin=1W, dist=3.0mm (ES-Probe)/Area Scan (6x6x1):** Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 10.318 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:**

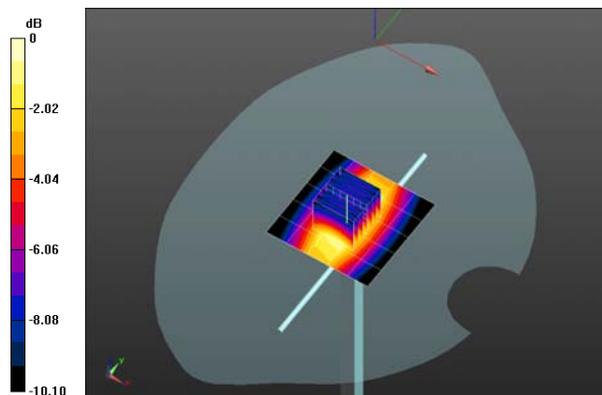
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 114.7 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 14.6170

**SAR(1 g) = 10.4 mW/g; SAR(10 g) = 6.92 mW/g**[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 12.089 mW/g



0 dB = 12.090mW/g = 21.65 dB mW/g

**Plot 78:**

Date/Time: 6/13/2012 5:38:13 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

**DUT: Dipole 835 MHz - D835V2 - SN4d113; Type: D835V2; Serial: D835V2 - SN:4d113**

Communication System: CW; Frequency: 835 MHz

Medium: MSL900\_Batch 100818-1

Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.961$  mho/m;  $\epsilon_r = 52.88$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Zack Gray; Air Temperature: 21.7; Medium Temperature: 20.6C;

DASY Configuration:

- Probe: ES3DV3 - SN3244; ConvF(6.21, 6.21, 6.21);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1233; Calibrated: 10/13/2010
- Phantom: SAM; Type: QD 000 P40 CC; Serial: 1592
- DASYS2 52.8.1(838);

**System Performance Check at Frequencies below 1 GHz/d=15mm, Pin=1W, dist=3.0mm (ES-Probe)/Area Scan (6x6x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 10.327 mW/g

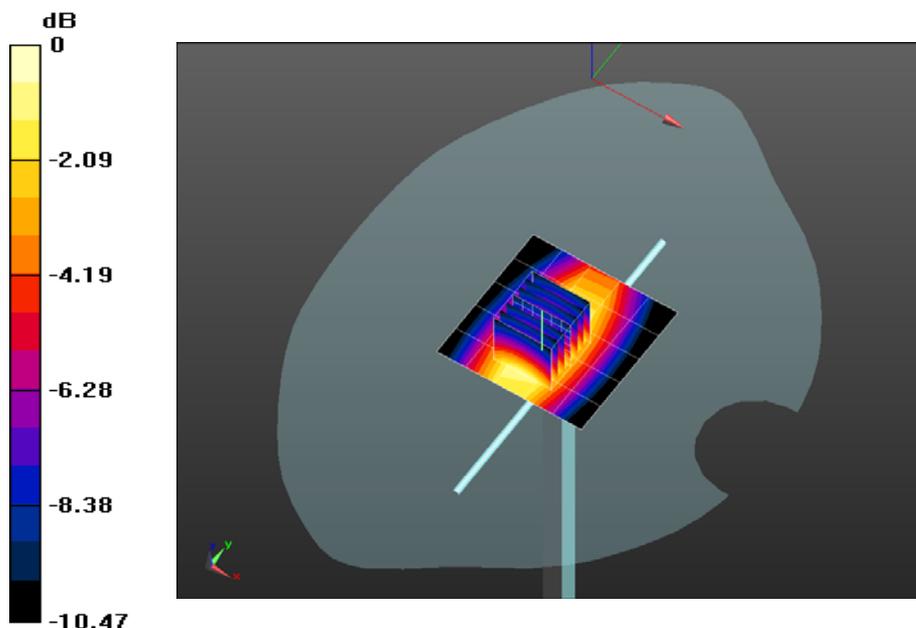
**System Performance Check at Frequencies below 1 GHz/d=15mm, Pin=1W, dist=3.0mm (ES-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 112.0 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 16.1370

**SAR(1 g) = 10.5 mW/g; SAR(10 g) = 6.84 mW/g**

Maximum value of SAR (measured) = 12.338 mW/g



0 dB = 12.340mW/g = 21.83 dB mW/g

**Plot 79:**

Date/Time: 6/29/2012 10:22:23 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Dipole 835 MHz - D835V2 - SN4d113; Type: D835V2; Serial: D835V2 - SN:4d113**

Communication System: CW; Frequency: 835 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.994$  mho/m;  $\epsilon_r = 53.37$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 22.5C; Medium Temperature: 21.8C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(6.1, 6.1, 6.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Front; Type: QD000P40CD; Serial: TP-1637
- DASYS2 52.8.0(692);

**System Performance Check at Frequencies below 1 GHz/d=15mm, Pin=1W, dist=3.0mm (ES-Probe)/Area Scan (6x6x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 10.355 mW/g

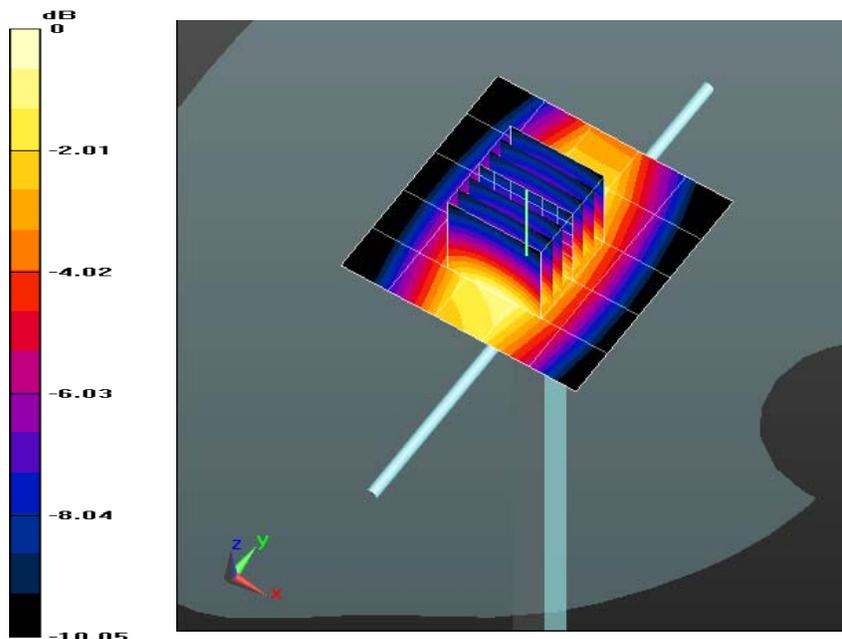
**System Performance Check at Frequencies below 1 GHz/d=15mm, Pin=1W, dist=3.0mm (ES-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 112.5 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 14.0700

**SAR(1 g) = 10 mW/g; SAR(10 g) = 6.69 mW/g**

Maximum value of SAR (measured) = 11.675 mW/g



0 dB = 11.680mW/g = 21.35 dB mW/g

**Plot 80:**

Date/Time: 6/12/2012 9:47:15 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Dipole 1750 MHz - D1750V2 - SN1045; Type: D1750V2; Serial: D1750V2 - SN:1045**

Communication System: CW; Frequency: 1750 MHz

Medium: MSL1750\_Batch 100824-2

Medium parameters used (interpolated):  $f = 1750$  MHz;  $\sigma = 1.462$  mho/m;  $\epsilon_r = 54.439$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 23.4C; Medium Temperature: 21.6C;

Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.87, 4.87, 4.87);
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASY52 52.8.0(692);

**System Performance Check at Frequencies above 1 GHz/d=10mm,****Pin=1W, dist=3.0mm (ES-Probe) 3/Area Scan (6x6x1):** Measurement grid:

dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 30.182 mW/g

**System Performance Check at Frequencies above 1 GHz/d=10mm,****Pin=1W, dist=3.0mm (ES-Probe) 3/Zoom Scan (7x7x7) (7x7x7)/Cube 0:**

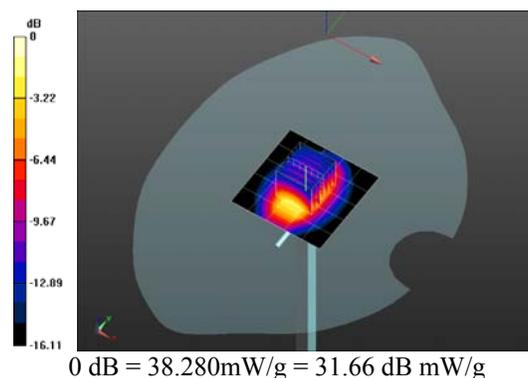
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 177.0 V/m; Power Drift = 0.0033 dB

Peak SAR (extrapolated) = 59.1140

**SAR(1 g) = 34 mW/g; SAR(10 g) = 18.4 mW/g**[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 38.277 mW/g



**Plot 81:**

Date/Time: 6/13/2012 10:35:55 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Dipole 1750 MHz - D1750V2 - SN1045; Type: D1750V2; Serial: D1750V2 - SN:1045**

Communication System: CW; Frequency: 1750 MHz

Medium: MSL1750\_Batch 100824-2

Medium parameters used (interpolated):  $f = 1750$  MHz;  $\sigma = 1.46$  mho/m;  $\epsilon_r = 54.472$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 23.2C; Medium Temperature: 22.1C;

Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.87, 4.87, 4.87);
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**System Performance Check at Frequencies above 1 GHz/d=10mm,****Pin=1W, dist=3.0mm (ES-Probe) 3/Area Scan (6x6x1):** Measurement grid:

dx=15mm, dy=15mm

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 33.070 mW/g

**System Performance Check at Frequencies above 1 GHz/d=10mm,****Pin=1W, dist=3.0mm (ES-Probe) 3/Zoom Scan (7x7x7) (7x7x7)/Cube 0:**

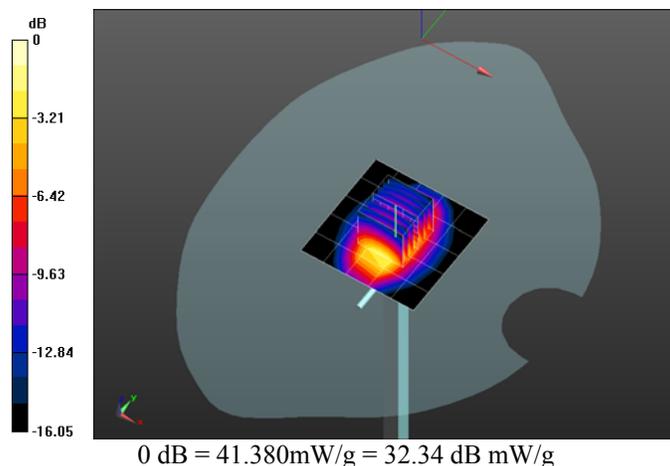
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 185.2 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 63.9550

**SAR(1 g) = 36.7 mW/g; SAR(10 g) = 19.8 mW/g**Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 41.379 mW/g



**Plot 82:**

Date/Time: 6/13/2012 4:37:11 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Dipole 1900 MHz - D1900V2 - SN5d135; Type: D1900V2; Serial: D1900V2 - SN:5d135**

Communication System: CW; Frequency: 1900 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.533$  mho/m;  $\epsilon_r = 50.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 24.0C; Medium Temperature: 21.5C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**System Performance Check at Frequencies above 1 GHz/d=10mm,**

**Pin=1W, dist=3.0mm (ES-Probe) 2 2/Area Scan (6x6x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 38.314 mW/g

**System Performance Check at Frequencies above 1 GHz/d=10mm,**

**Pin=1W, dist=3.0mm (ES-Probe) 2 2/Zoom Scan (7x7x7) (7x7x7)/Cube 0:**

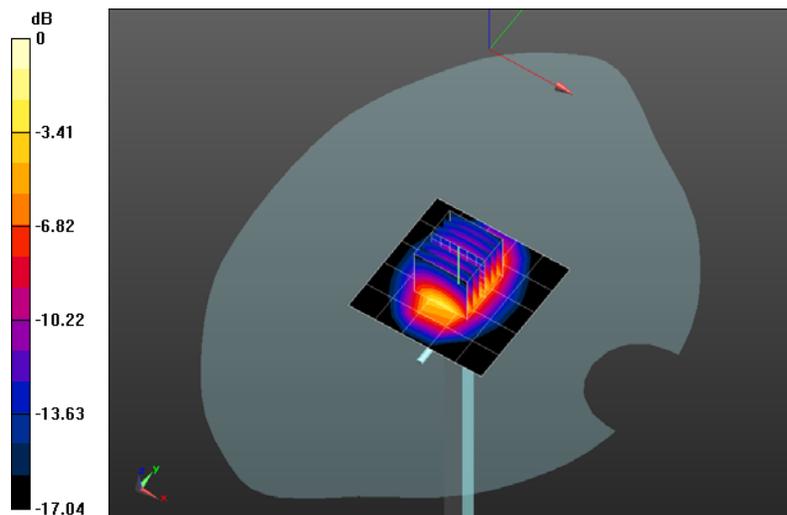
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 192.0 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 73.9350

**SAR(1 g) = 42.4 mW/g; SAR(10 g) = 22.3 mW/g**

Maximum value of SAR (measured) = 53.407 mW/g



0 dB = 53.410mW/g = 34.55 dB mW/g

**Plot 83:**

Date/Time: 6/15/2012 7:51:28 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Dipole 1900 MHz - D1900V2 - SN5d135; Type: D1900V2; Serial: D1900V2 - SN:5d135**

Communication System: CW; Frequency: 1900 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.497$  mho/m;  $\epsilon_r = 50.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 22.7C; Medium Temperature: 22.0C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**System Performance Check at Frequencies above 1 GHz/d=10mm,**

**Pin=1W, dist=3.0mm (ES-Probe) 2 2/Area Scan (6x6x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 39.055 mW/g

**System Performance Check at Frequencies above 1 GHz/d=10mm,**

**Pin=1W, dist=3.0mm (ES-Probe) 2 2/Zoom Scan (7x7x7) (7x7x7)/Cube 0:**

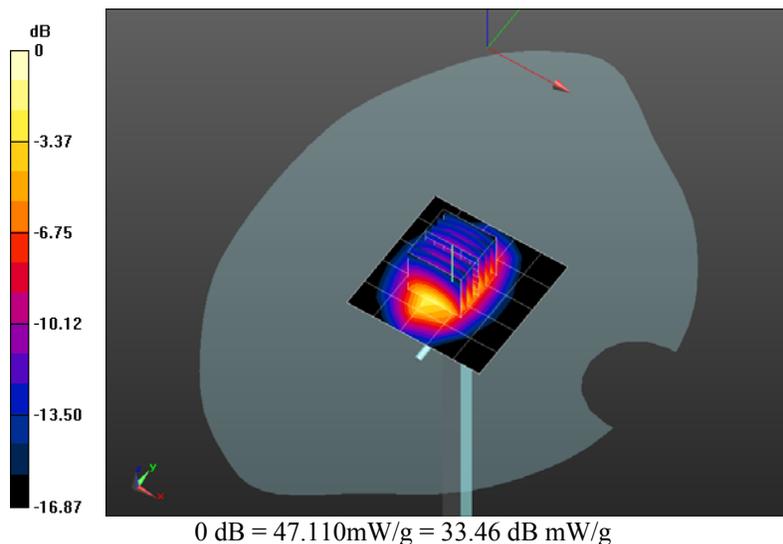
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 175.4 V/m; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 64.4590

**SAR(1 g) = 37.3 mW/g; SAR(10 g) = 19.7 mW/g**

Maximum value of SAR (measured) = 47.115 mW/g



**Plot 84:**

Date/Time: 6/18/2012 9:26:29 AM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Dipole 1900 MHz - D1900V2 - SN5d135; Type: D1900V2; Serial: D1900V2 - SN:5d135**

Communication System: CW; Frequency: 1900 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.526$  mho/m;  $\epsilon_r = 50.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 22.6C; Medium Temperature: 22.0C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: SAM Back; Type: QD000P40CD; Serial: TP-1638
- DASYS2 52.8.0(692);

**System Performance Check at Frequencies above 1 GHz/d=10mm,****Pin=1W, dist=3.0mm (ES-Probe) 2 2/Area Scan (6x6x1):** Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (measured) = 35.716 mW/g

**System Performance Check at Frequencies above 1 GHz/d=10mm,****Pin=1W, dist=3.0mm (ES-Probe) 2 2/Zoom Scan (7x7x7) (7x7x7)/Cube 0:**

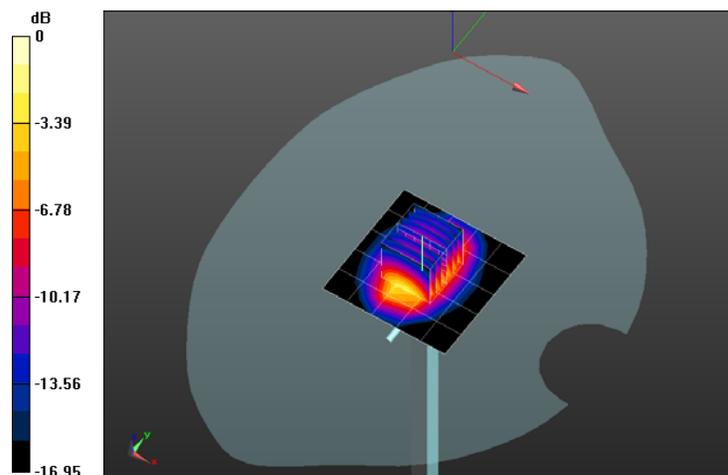
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 182.4 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 66.9440

**SAR(1 g) = 38.6 mW/g; SAR(10 g) = 20.4 mW/g**

Maximum value of SAR (measured) = 48.758 mW/g



**Plot 85:**

Date/Time: 6/29/2012 5:19:54 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

**DUT: Dipole 1900 MHz - D1900V2 - SN5d135; Type: D1900V2; Serial: D1900V2 - SN:5d135**

Communication System: CW; Frequency: 1900 MHz

Medium: MSL1900\_Batch 100824-3

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.484$  mho/m;  $\epsilon_r = 50.82$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Kathy Tran; Air Temperature: 23.8C; Medium Temperature: 22.2C;

DASY Configuration:

- Probe: ES3DV3 - SN3261; ConvF(4.58, 4.58, 4.58);
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/30/2011
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1124
- DASYS2 52.8.0(692);

**System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=1W, dist=3.0mm (ES-Probe)**

**2/Area Scan (6x6x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 33.056 mW/g

**System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=1W, dist=3.0mm (ES-Probe)**

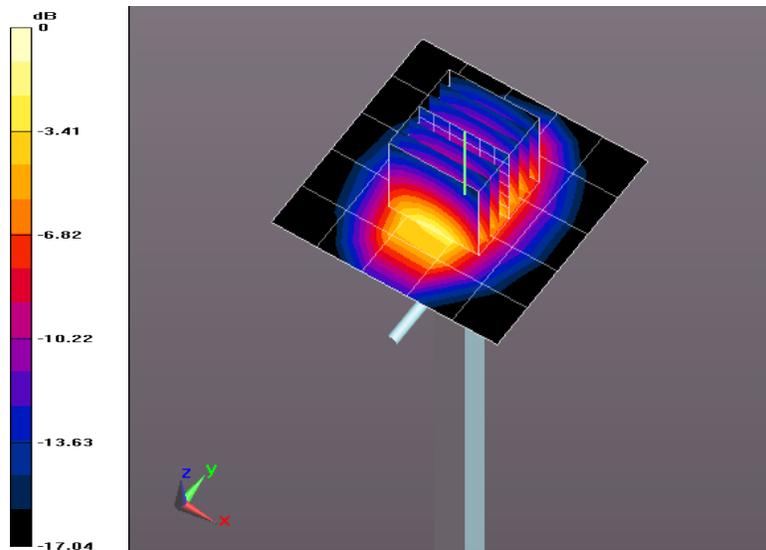
**2/Zoom Scan (7x7x7)/(7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 182.4 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 64.2410

**SAR(1 g) = 37 mW/g; SAR(10 g) = 19.6 mW/g**

Maximum value of SAR (measured) = 46.581 mW/g



0 dB = 46.580mW/g = 33.36 dB mW/g