

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/m³

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
- DASY52 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

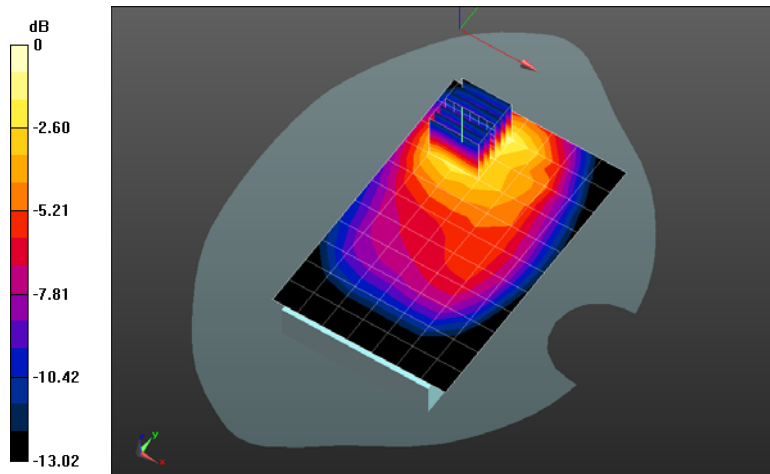
Flat-Section 6-6/Front 0mm_4Up TS_836.6MHz_u2/Zoom Scan**(7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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

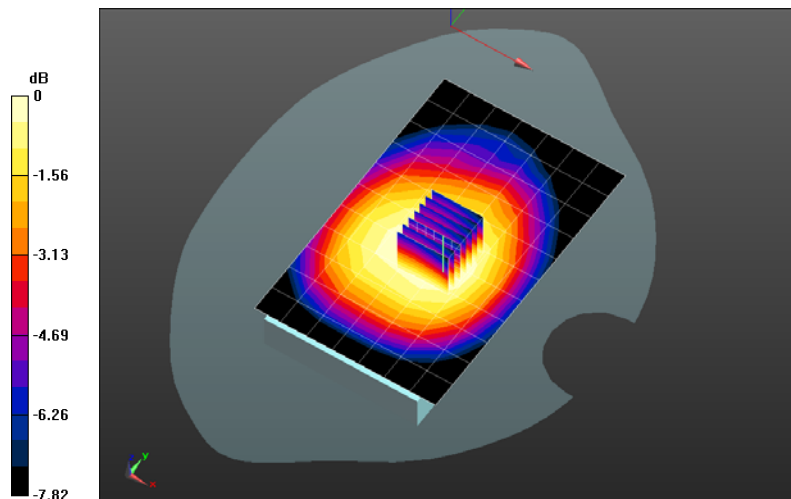
Flat-Section 6-7/Front 10mm_4Up TS_836.6MHz_u4/Zoom Scan**(7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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
- DASY52 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

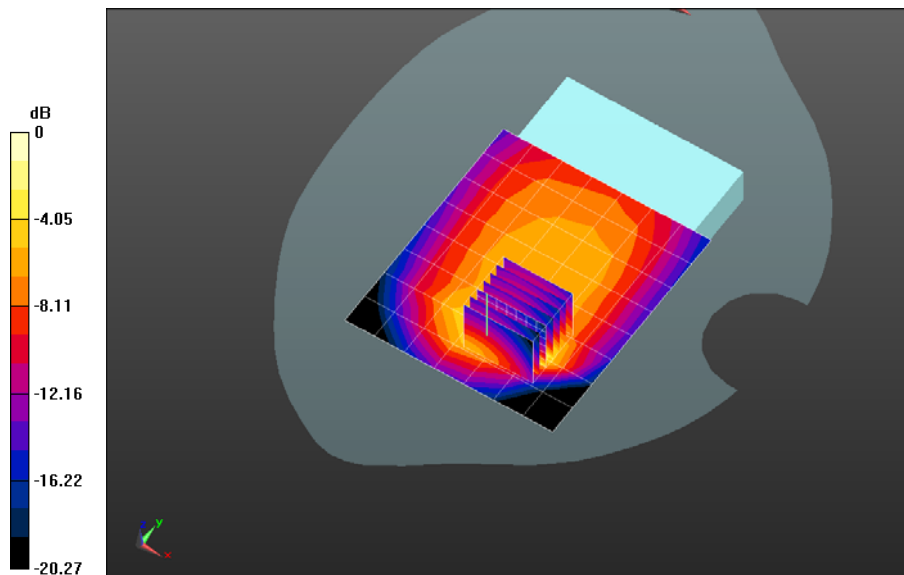
Flat-Section 6-6/Back 0mm_4Up TS_836.6MHz_u2/Zoom Scan**(8x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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



0 dB = 4.420mW/g = 12.91 dB 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/m³

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=15mm, dy=15mm

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

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:

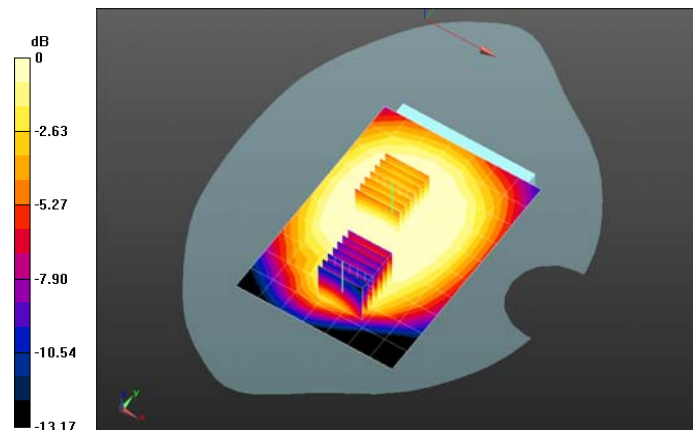
Measurement grid: dx=5mm, dy=5mm, dz=5mm

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/m³

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

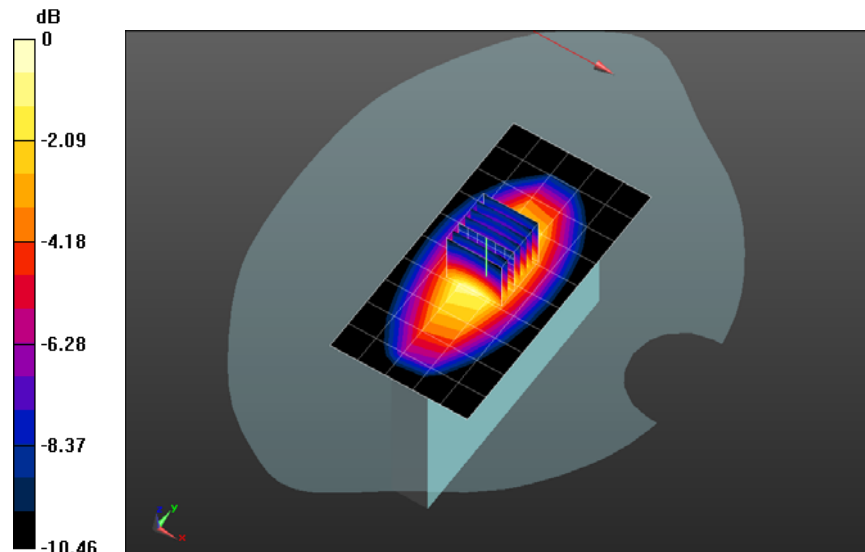
Flat-Section 6-6/Bottom Edge 0mm_4Up TS_836.6MHz_u4/Zoom Scan**(7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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

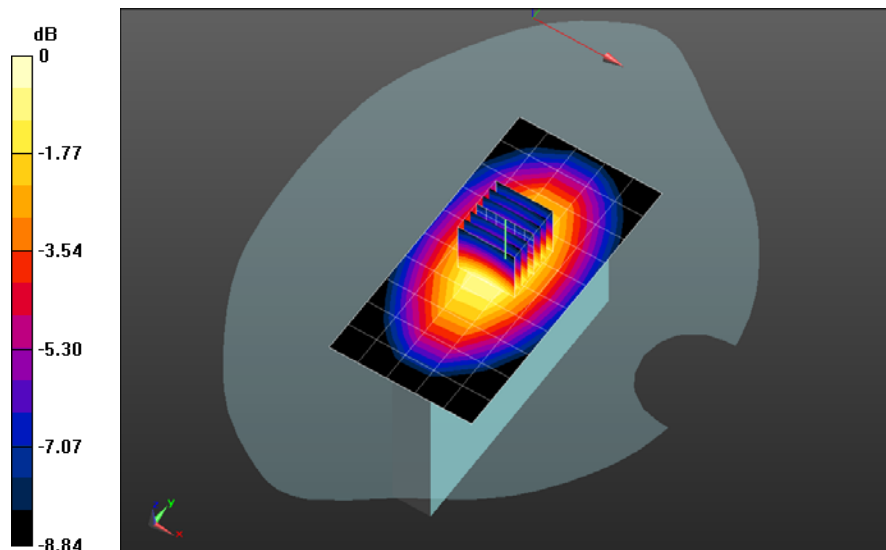
Flat-Section 6-7/Bottom Edge 10mm_4Up TS_836.6MHz_u4/Zoom Scan**(7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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

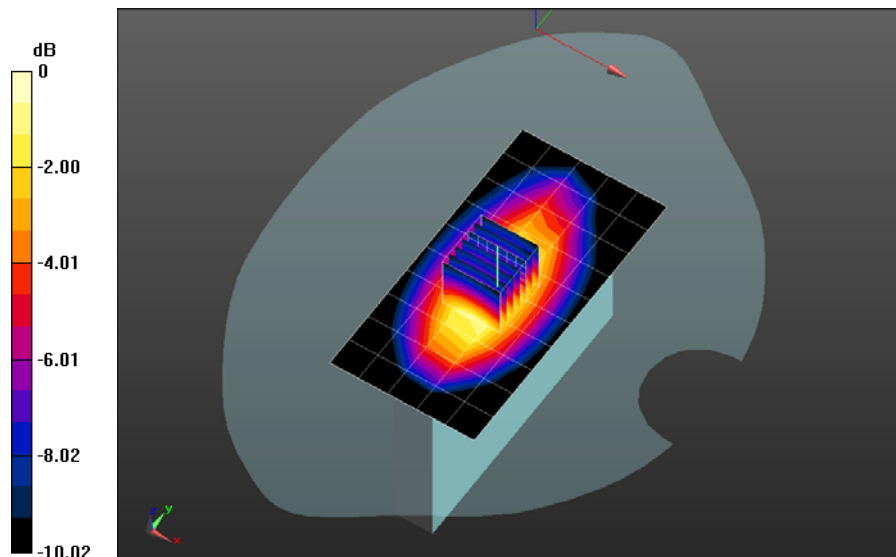
Flat-Section 6-6/Top Edge 0mm_4Up TS_836.6MHz_u2/Zoom Scan**(7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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=15mm, dy=15mm

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

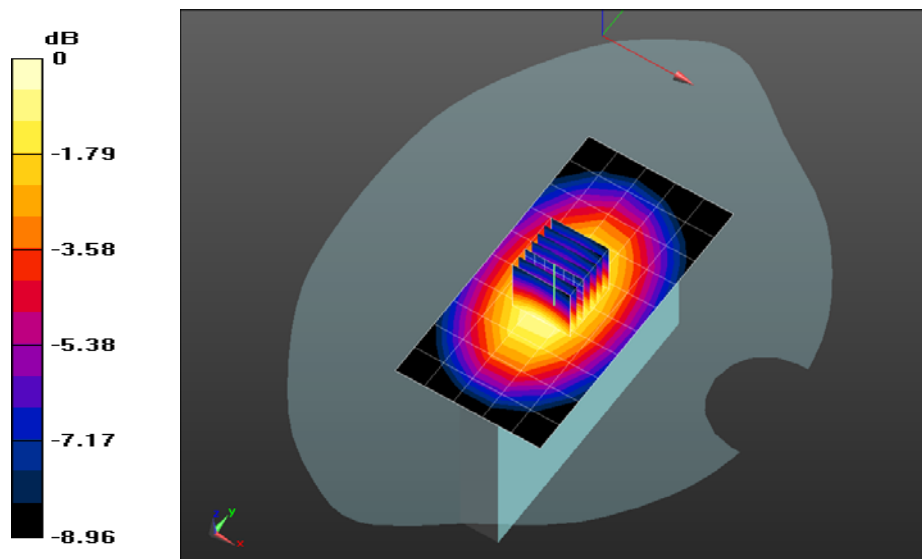
grid: dx=5mm, dy=5mm, dz=5mm

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/m³

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

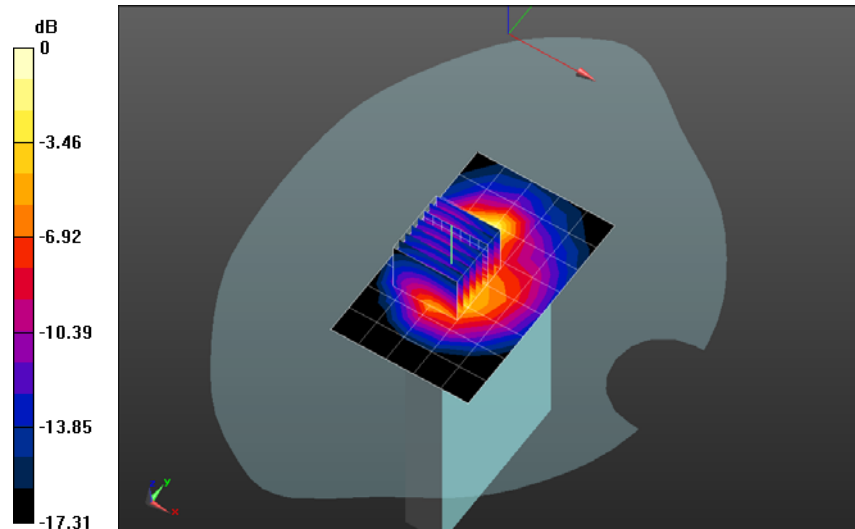
Flat-Section 6-6/Right Edge 0mm_4Up TS_836.6MHz_u4/Zoom Scan**(8x8x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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

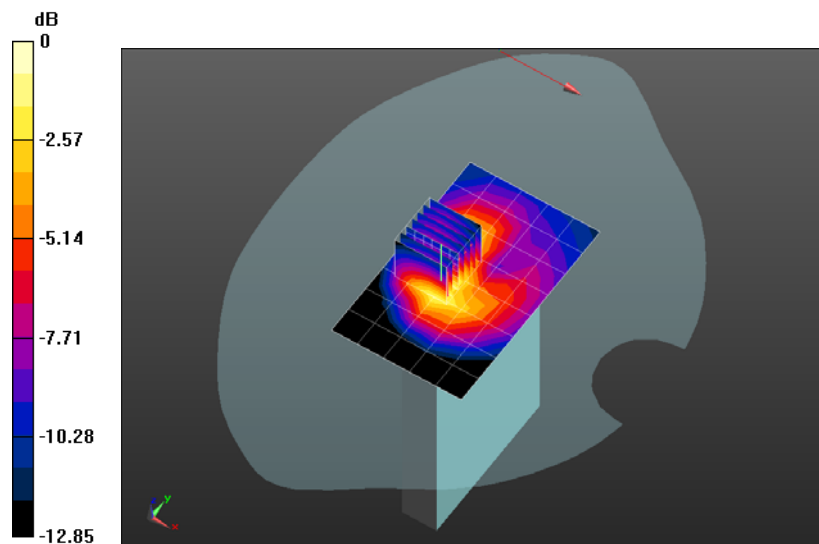
Flat-Section 6-7/Right Edge 10mm_4Up TS_836.6MHz_u3/Zoom Scan**(7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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
- DASY52 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

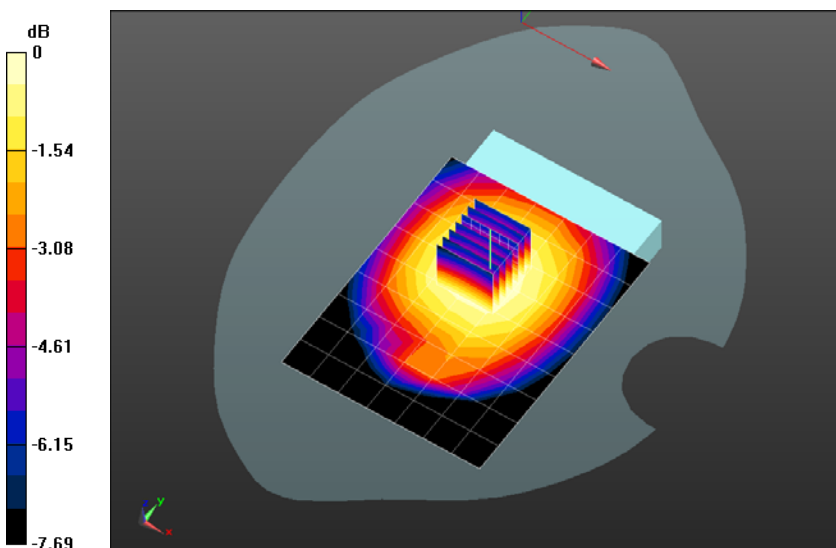
Flat-Section 6-11 2/Worst Case_Back 10mm_4Up TS_824.2MHz_u2/Zoom**Scan (7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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

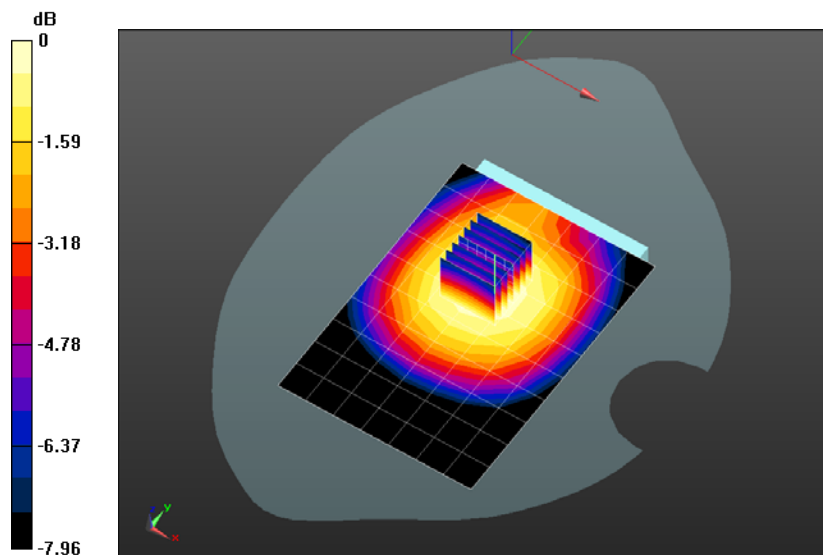
Flat-Section 6-14/Worst Case_Back 10mm_4Up TS_848.8MHz_u3/Zoom**Scan (7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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
- DASY52 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:

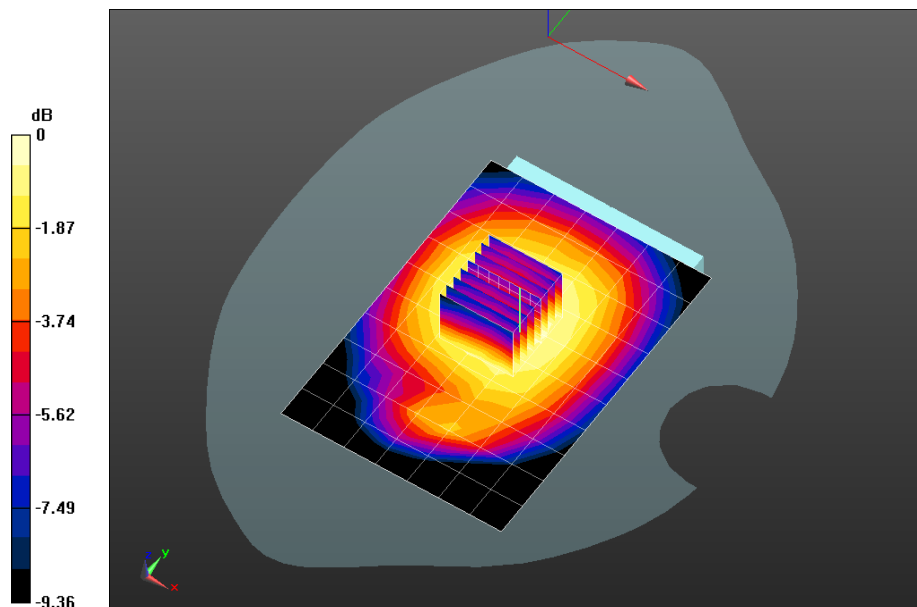
dx=5mm, dy=5mm, dz=5mm

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/m³

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
- DASY52 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

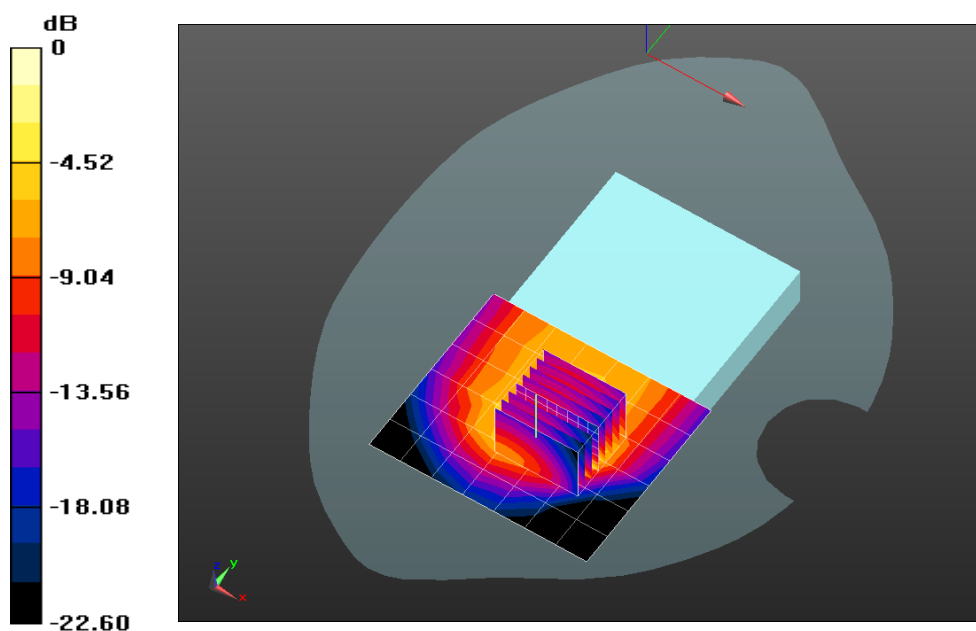
Flat-Section 6-29/Worst Case_Back 0mm_3Up TS_836.6MHz_u4/Zoom Scan (9x8x7)/Cube 0:Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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
- DASY52 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

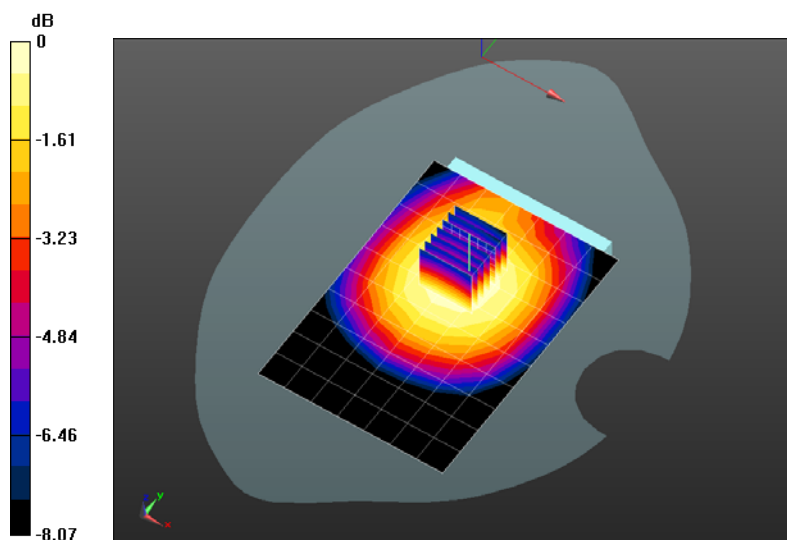
Flat-Section 6-14/Worst Case_Back 10mm_3Up TS_836.6MHz_u2/Zoom**Scan (7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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

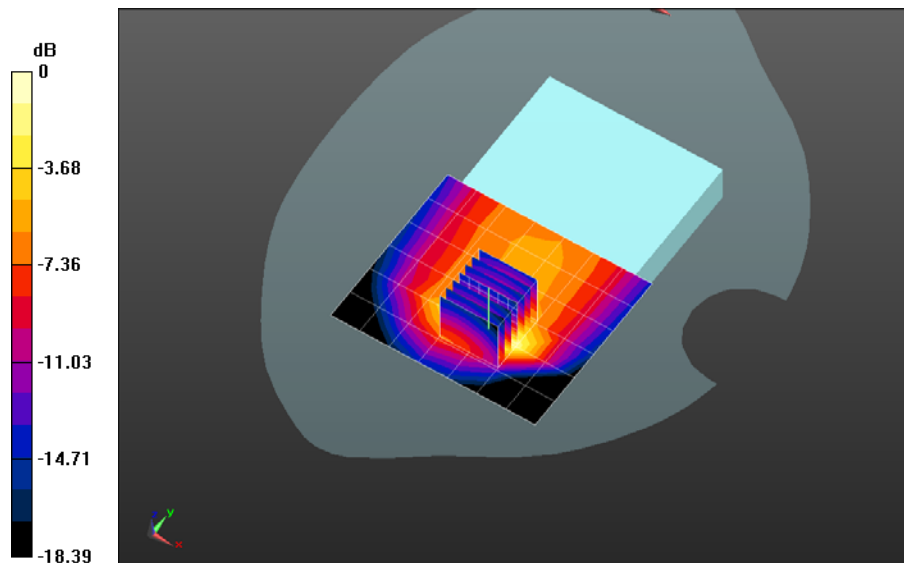
Flat-Section 6-11/Worst Case_Back 0mm_2Up TS_836.6MHz_u3/Zoom**Scan (7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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

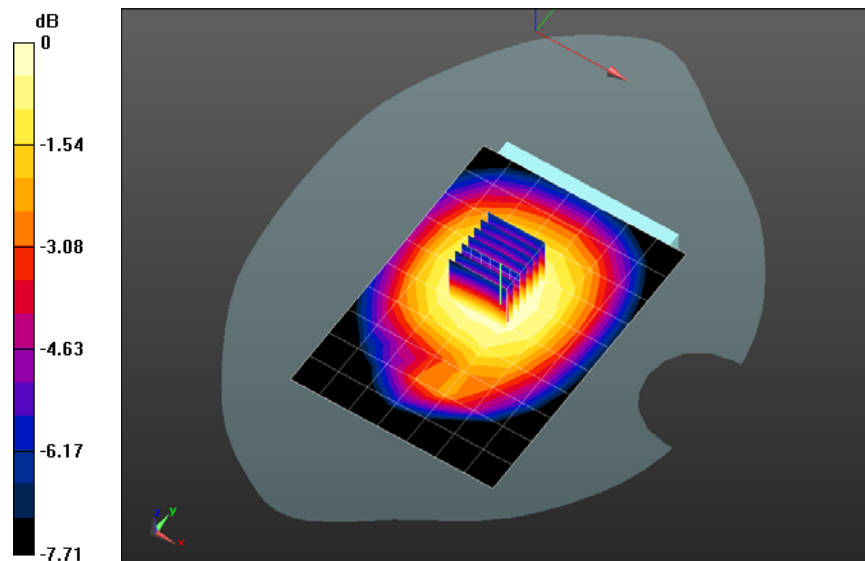
Flat-Section 6-8/Worst Case_Back 10mm_2Up TS_836.6MHz_u2/Zoom**Scan (7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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



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/m³

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
- DASY52 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

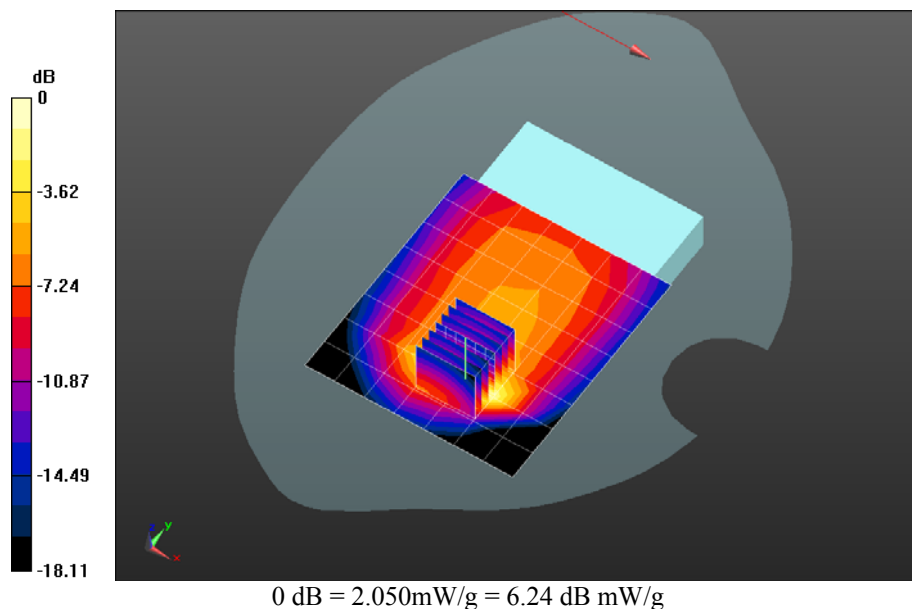
Flat-Section 6-11/Worst Case_Back 0mm_1Up TS_836.6MHz_u3/Zoom**Scan (7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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

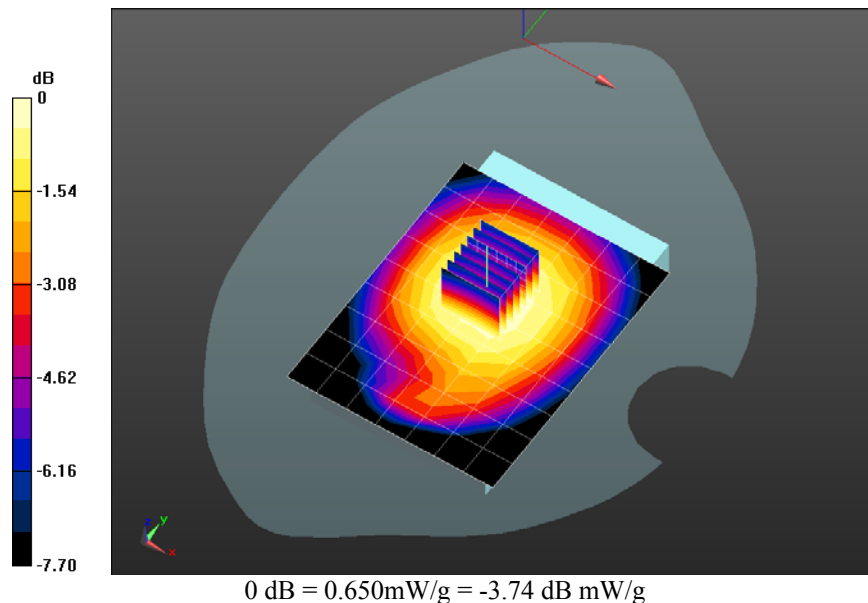
Flat-Section 6-11 2/Worst Case_Back 10mm_1Up TS_836.6MHz_u3/Zoom**Scan (7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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

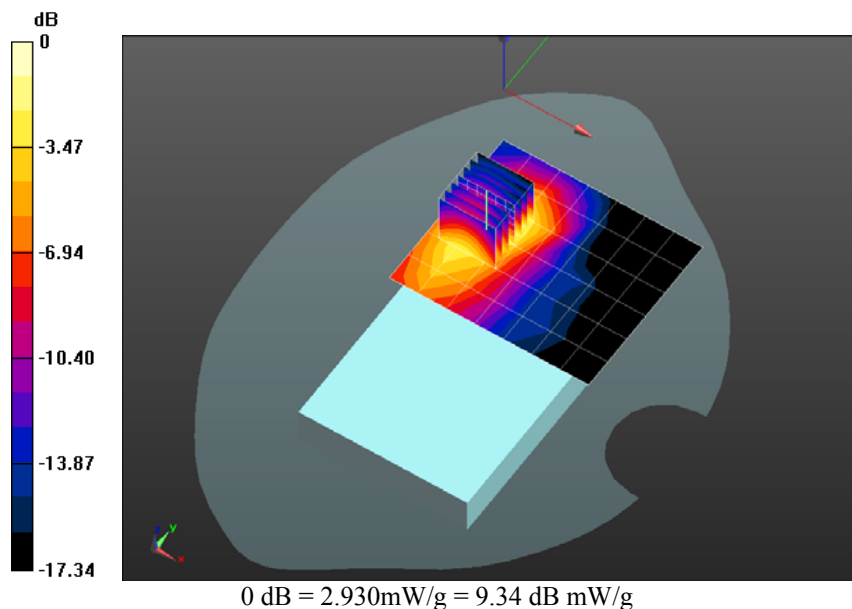
Flat-Section 0/Front 0mm_3Up TS_1880MHz_u2/Zoom Scan**(7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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

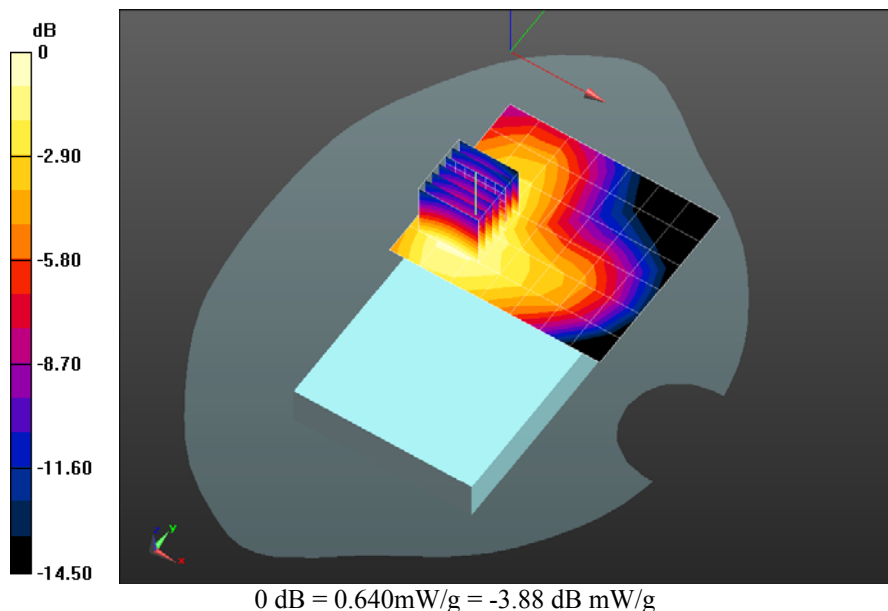
Flat-Section 1/Front 10mm_3Up TS_1880MHz_u2/Zoom Scan**(7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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

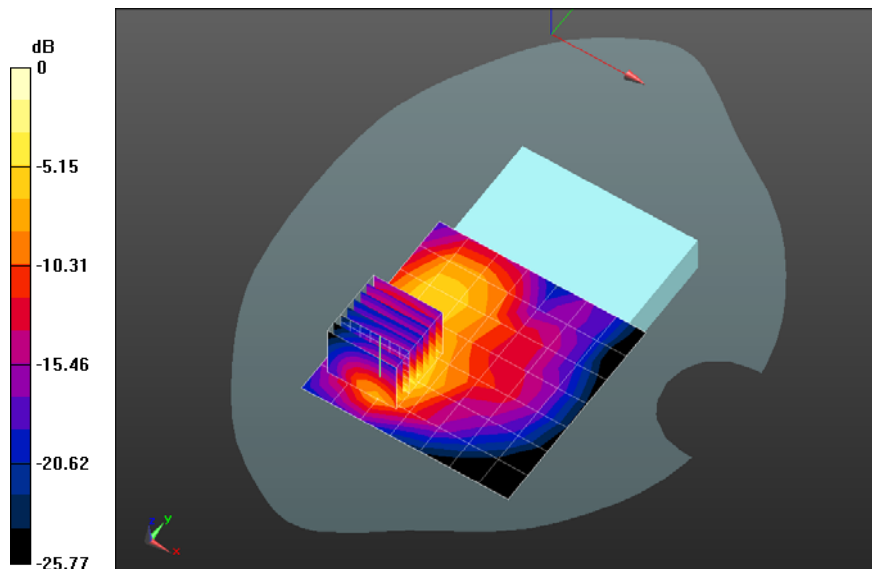
Flat-Section 3/Back 0mm_3Up TS_1880MHz_u3/Zoom Scan (8x8x7)/Cube**0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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



0 dB = 7.470mW/g = 17.47 dB 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/m³

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

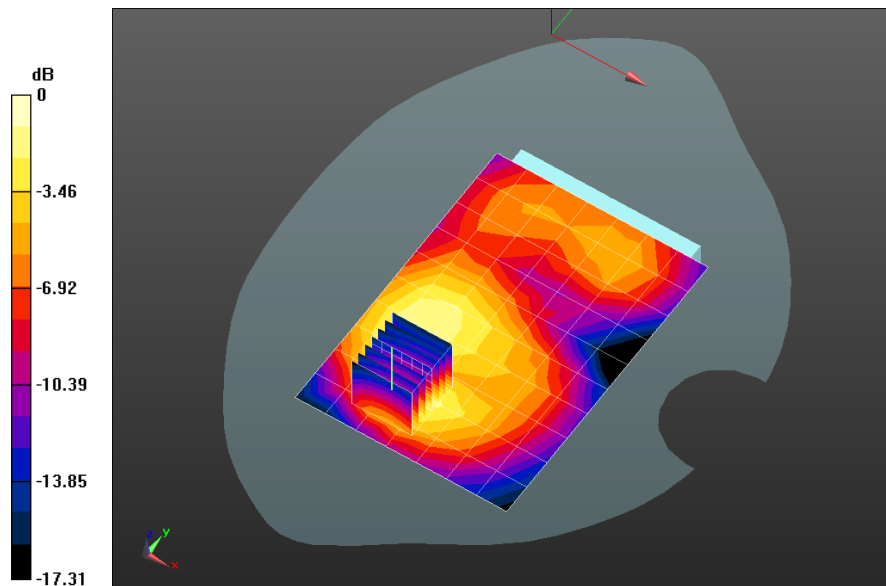
Flat-Section 1/Back 10mm_3Up TS_1880MHz_u3/Zoom Scan**(7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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

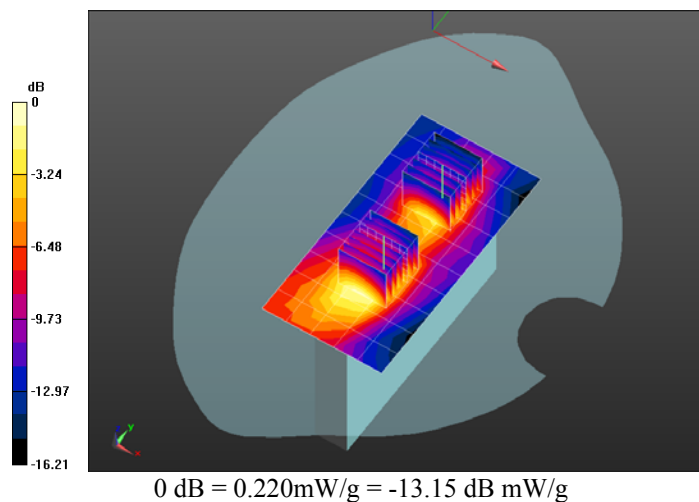
Flat-Section 2/Bottom Edge 0mm_3Up TS_1880MHz_u3/Zoom Scan (7x7x7)/Cube 1:Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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



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/m³

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
- DASY52 52.8.0(692);

Flat-Section 6-29/Bottom Edge 10mm_3Up TS_1880MHz_u4/Area Scan (6x11x1): Measurement grid:

dx=15mm, dy=15mm

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

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:

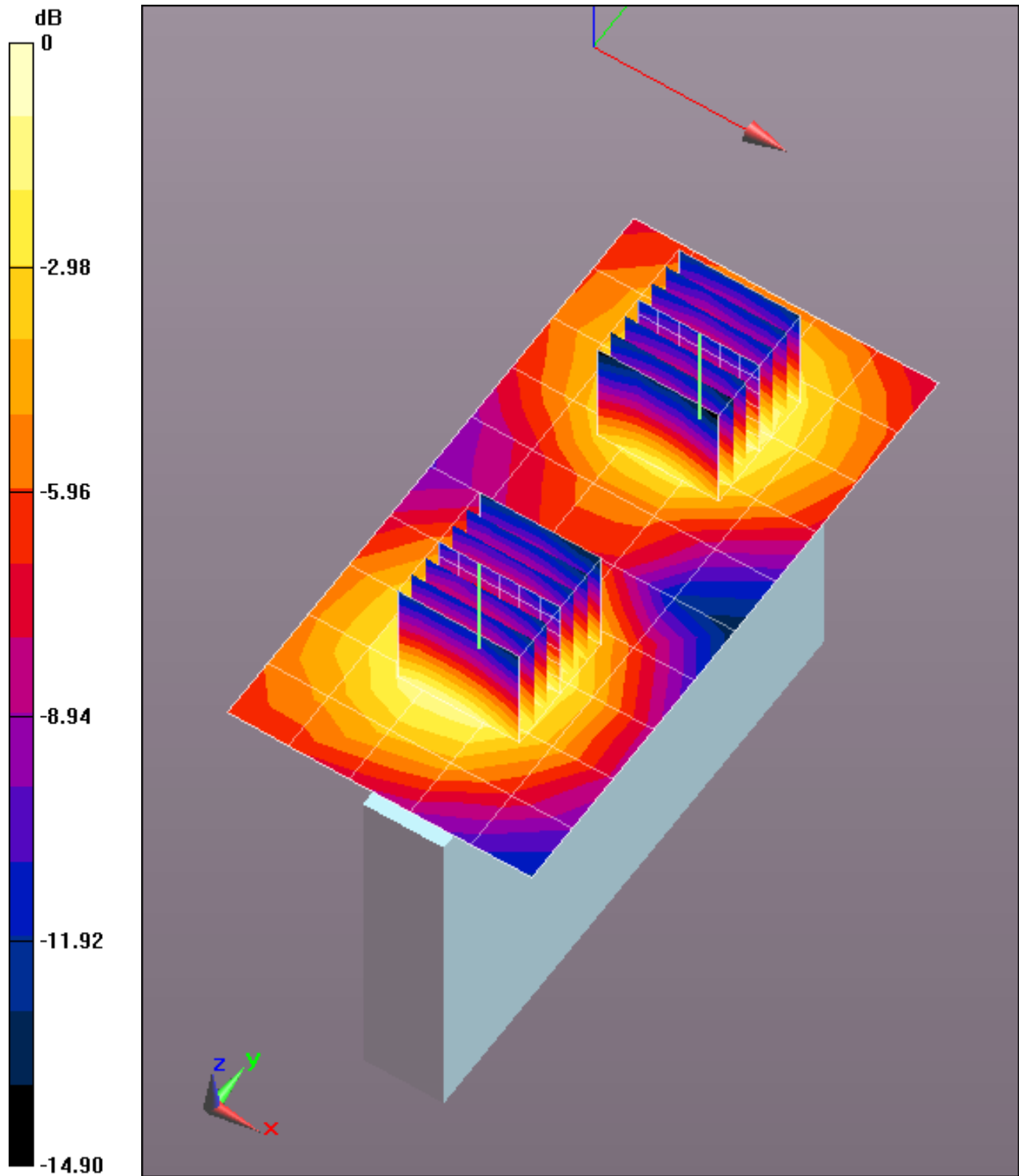
Measurement grid: dx=5mm, dy=5mm, dz=5mm

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/m³

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
- DASY52 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

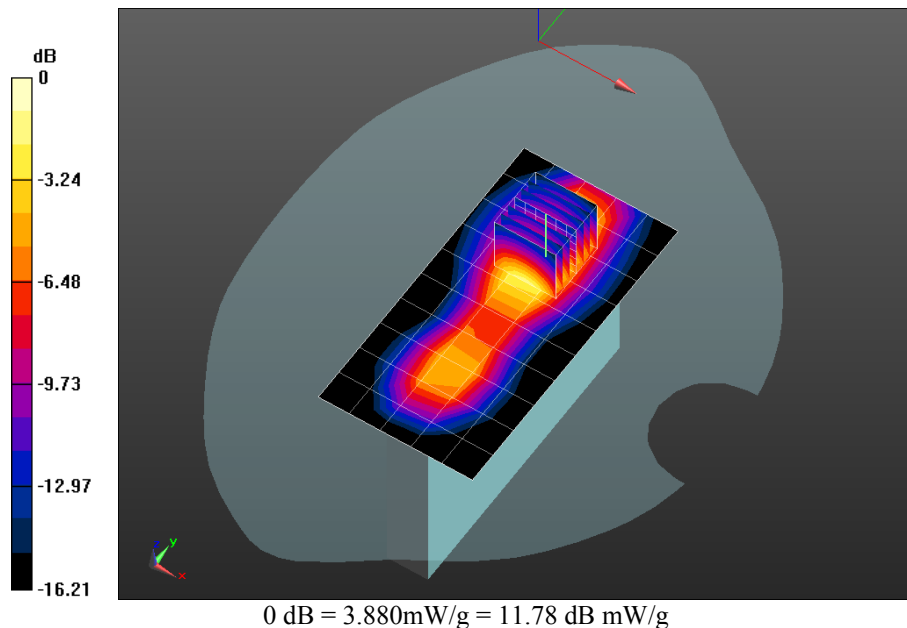
Flat-Section 2/Top Edge 0mm_3Up TS_1880MHz_u3/Zoom Scan**(7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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



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/m³

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
- DASY52 52.8.0(692);

Flat-Section 2/Top Edge 10mm_3Up TS_1880MHz_u3/Area Scan (6x11x1): Measurementgrid: $dx=15$ 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

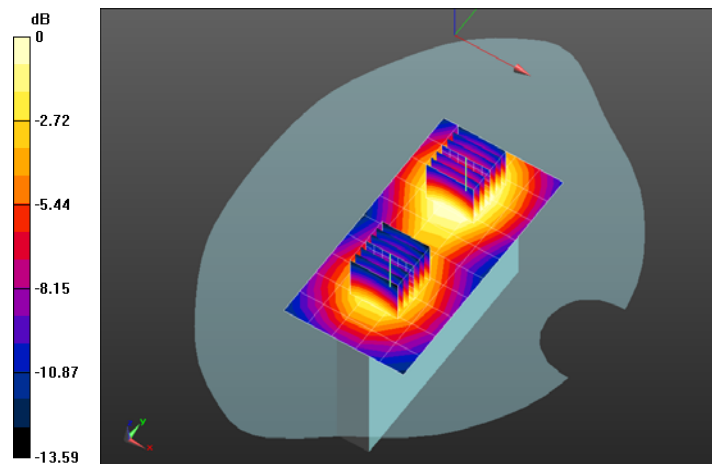
Flat-Section 2/Top Edge 10mm_3Up TS_1880MHz_u3/Zoom Scan (7x7x7)/Cube 1:Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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



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/m³

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

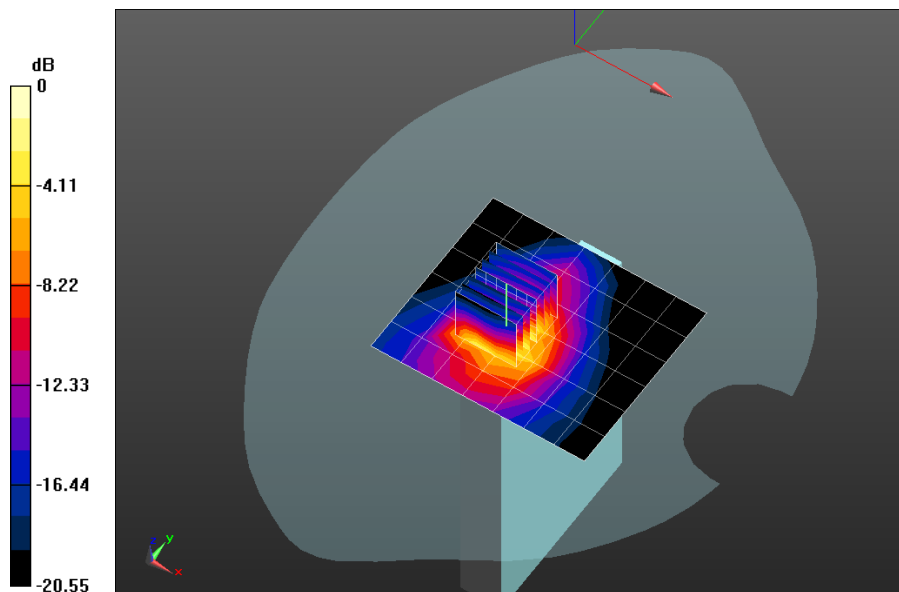
Flat-Section 0/Right Edge 0mm_3Up TS_1880MHz_u2/Zoom Scan**(7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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
- DASY52 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

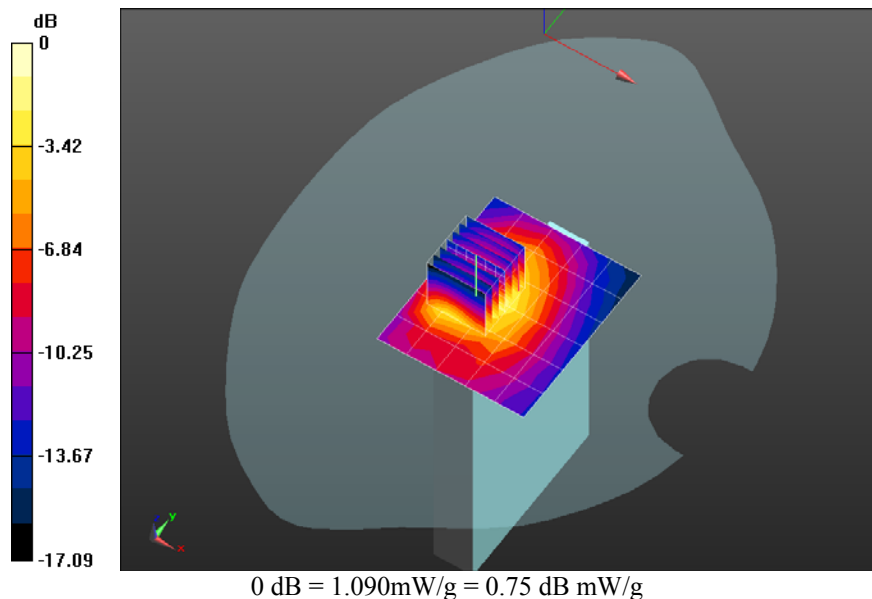
Flat-Section 1/Right Edge 10mm_3Up TS_1880MHz_u3/Zoom Scan**(7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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
- DASYS 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

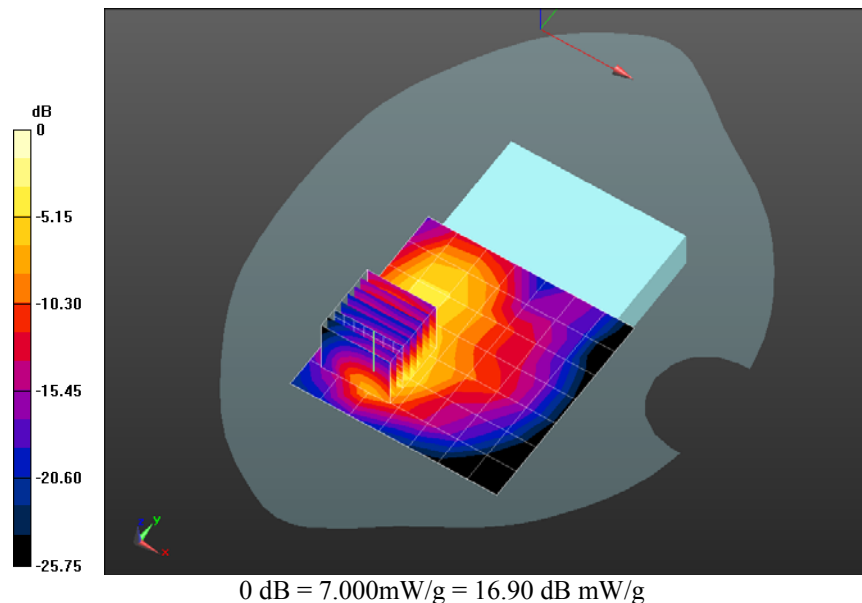
Flat-Section 0/Worst Case_Back 0mm_3Up TS_1850.2MHz_u3/Zoom**Scan (8x8x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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



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/m³

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
- DASYS 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

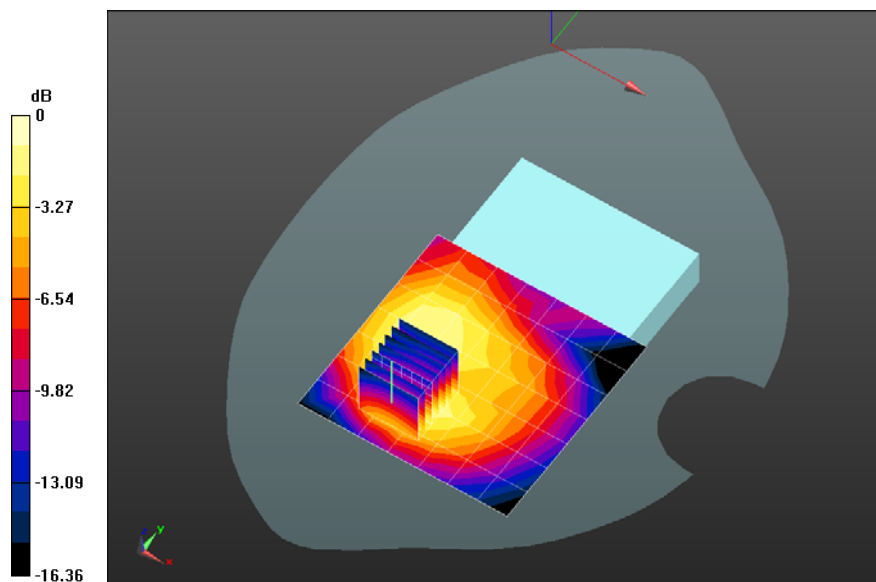
Flat-Section 1/Worst Case_Back 10mm_3Up TS_1850.2MHz_u3/Zoom**Scan (7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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
- DASY52 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

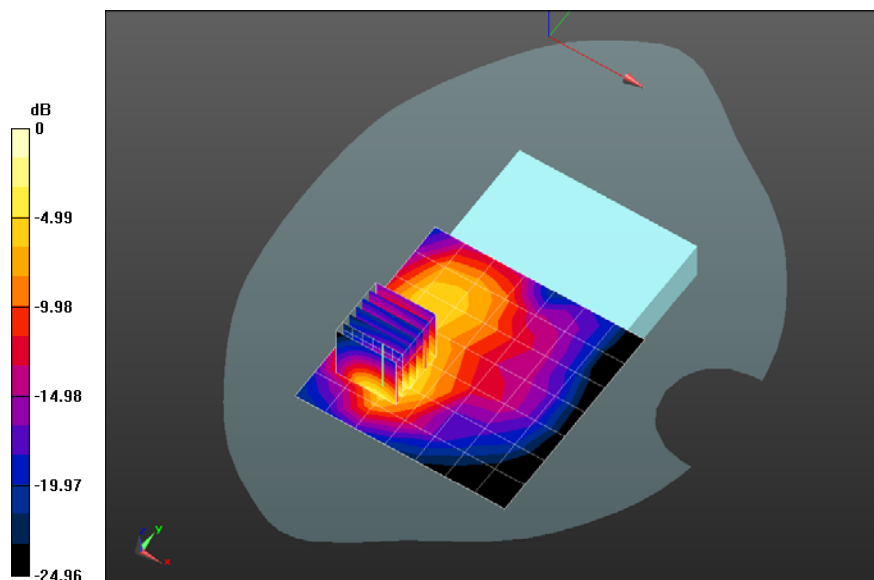
Flat-Section 0/Worst Case_Back 0mm_3Up TS_1909.8MHz_u3/Zoom**Scan (7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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

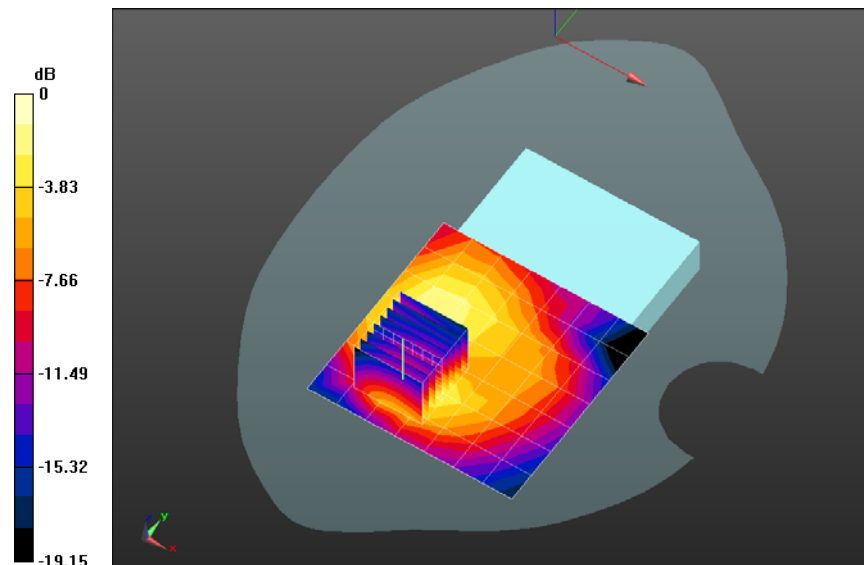
Flat-Section 1/Worst Case_Back 10mm_3Up TS_1909.8MHz_u2/Zoom**Scan (8x8x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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

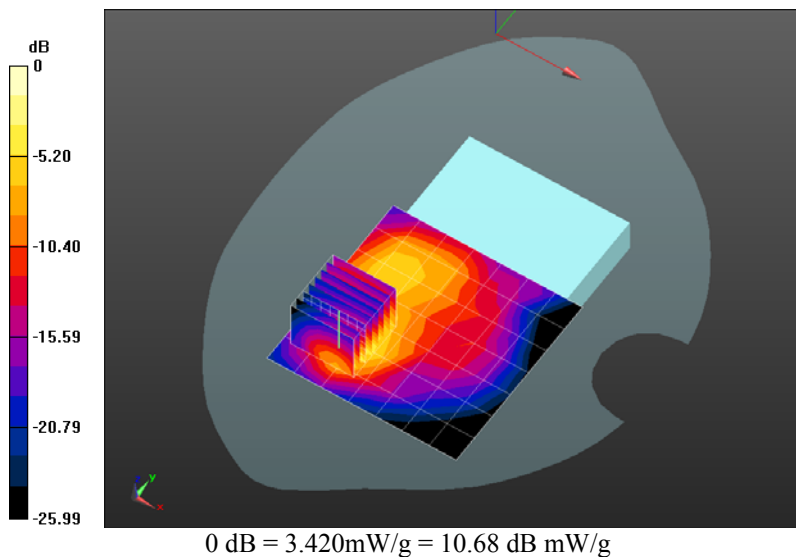
Flat-Section 0/Worst Case_Back 0mm_3Up**TS_1880MHz_EGPRS_u2/Zoom Scan (8x8x7)/Cube 0:** Measurement grid:
 $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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



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/m³

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
- DASY52 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

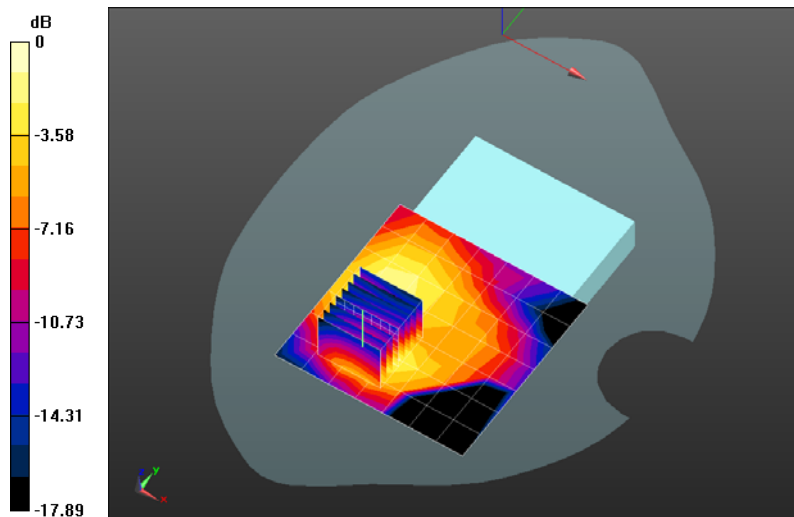
Flat-Section 1/Worst Case_Back 10mm_3Up**TS_1880MHz_EGPRS_u2/Zoom Scan (8x8x7)/Cube 0:** Measurement grid:
 $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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



0 dB = 0.560mW/g = -5.04 dB 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/m³

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
- DASY52 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

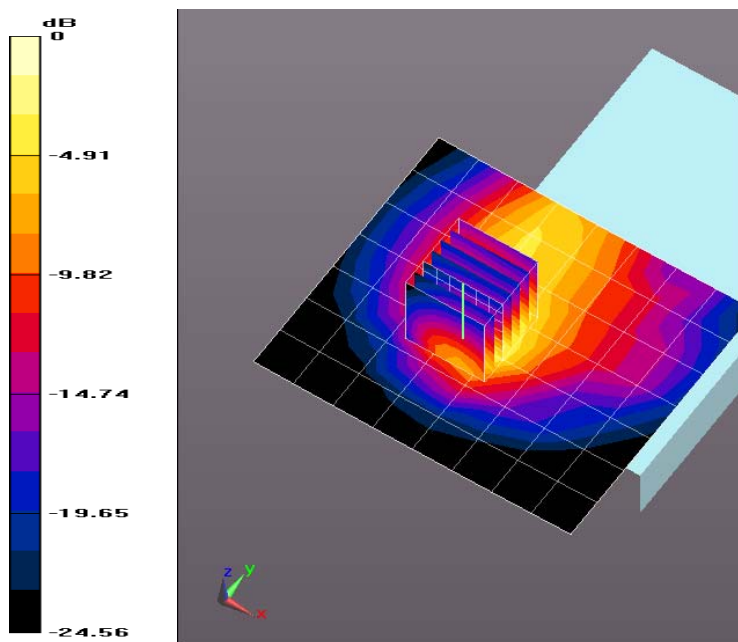
Flat-Section 6-29/Worst Case_Back 0mm_4Up TS_1880MHz_u4/Zoom Scan (7x7x7)/Cube 0:Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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
- DASY52 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

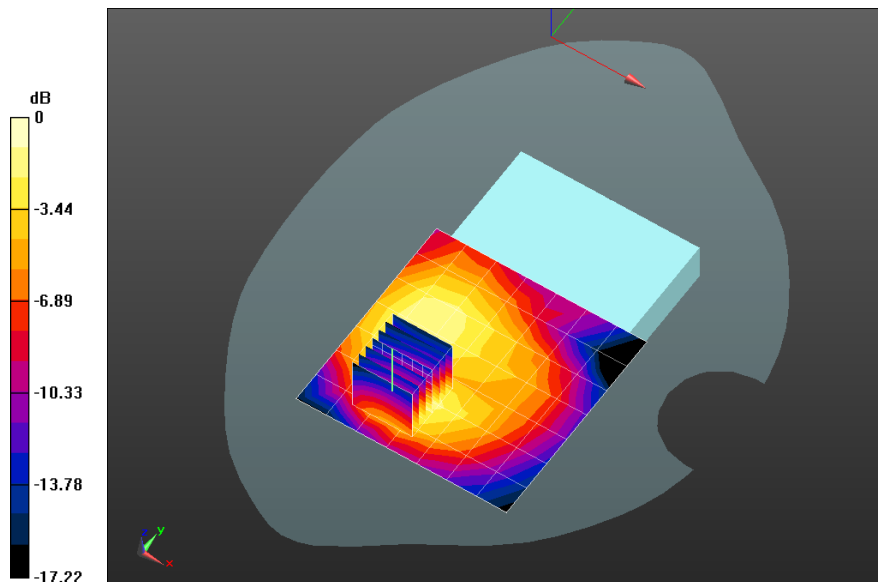
Flat-Section 1/Worst Case_Back 10mm_4Up TS_1880MHz_u3/Zoom Scan**(7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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
- DASY52 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

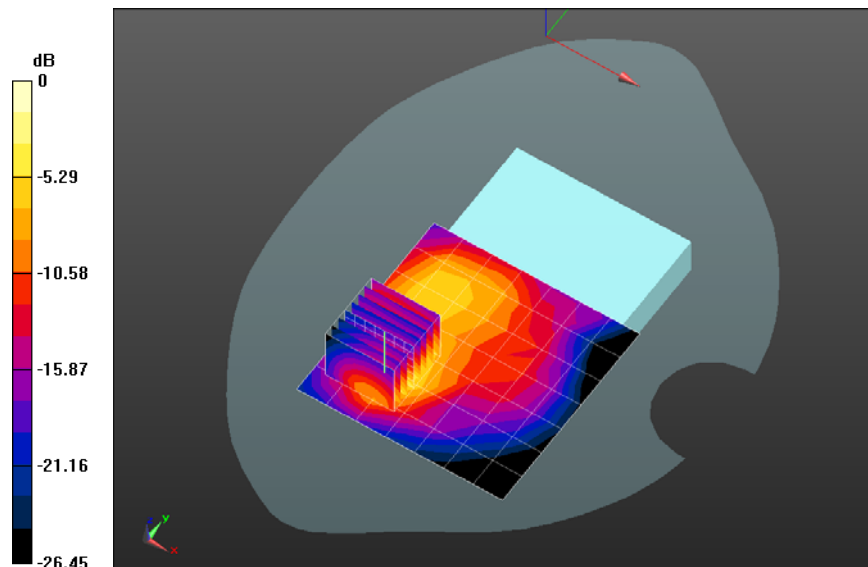
Flat-Section 0/Worst Case_Back 0mm_2Up TS_1880MHz_u2/Zoom Scan**(8x8x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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
- DASY52 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

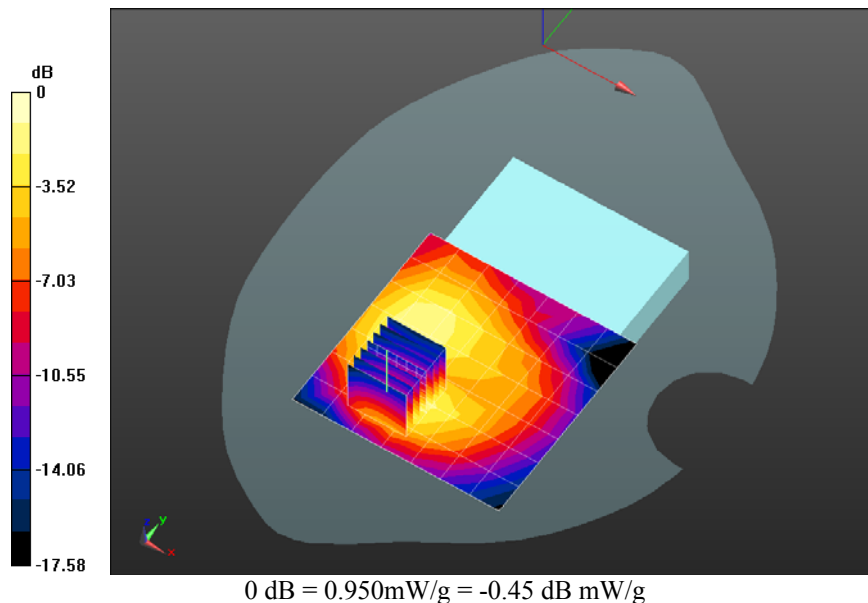
Flat-Section 1/Worst Case_Back 10mm_2Up TS_1880MHz_u3/Zoom Scan**(7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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
- DASY52 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

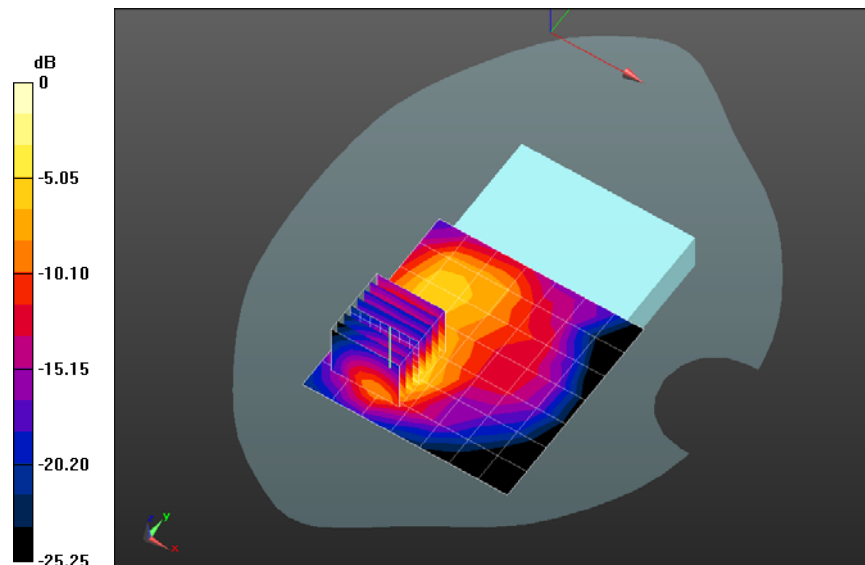
Flat-Section 0/Worst Case_Back 0mm_1Up TS_1880MHz_u2/Zoom Scan**(8x8x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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



0 dB = 3.070mW/g = 9.74 dB 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/m³

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
- DASY52 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

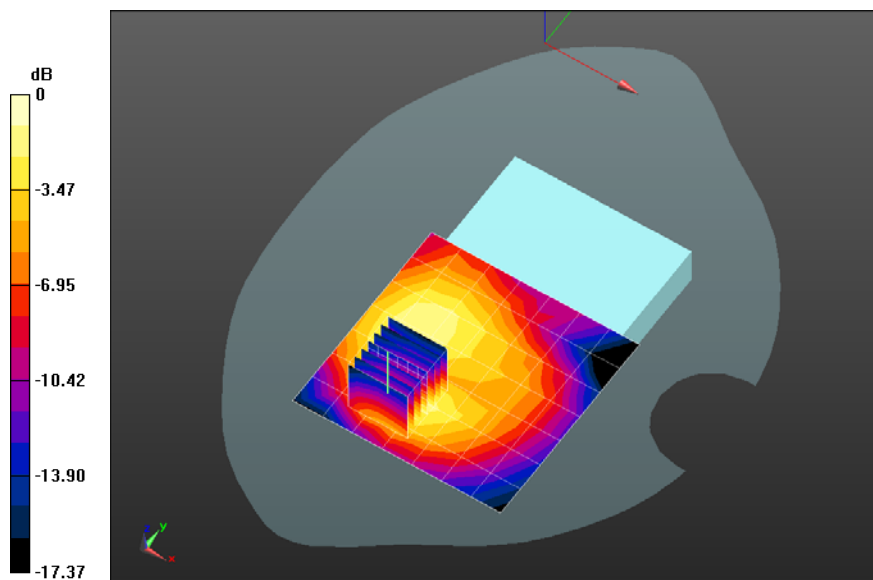
Flat-Section 1/Worst Case_Back 10mm_1Up TS_1880MHz_u3/Zoom Scan**(7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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
- DASY52 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

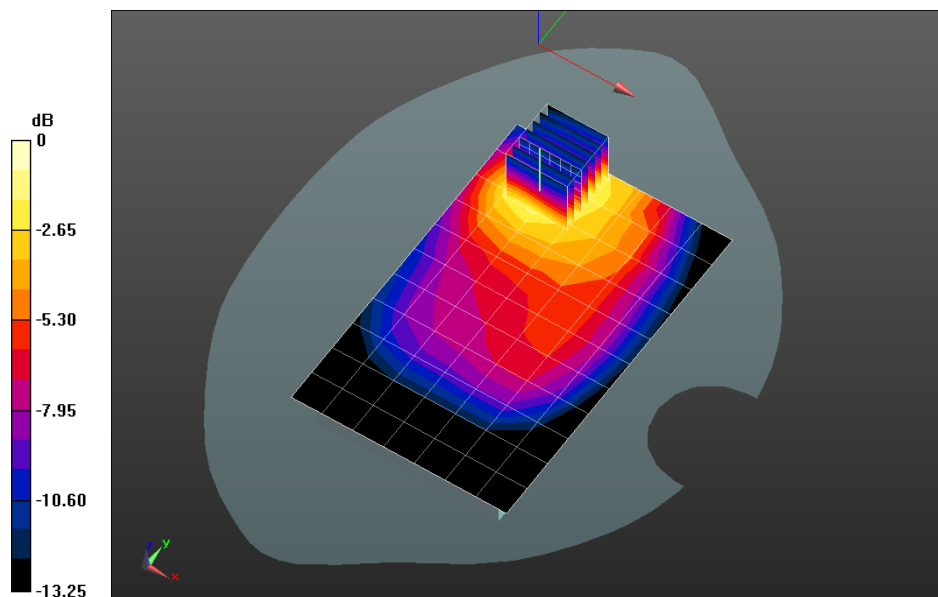
Flat-Section 2/Front 0mm_836.6MHz_Unit 2/Zoom Scan (7x7x7)/Cube 0:Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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



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/m³

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
- DASY52 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

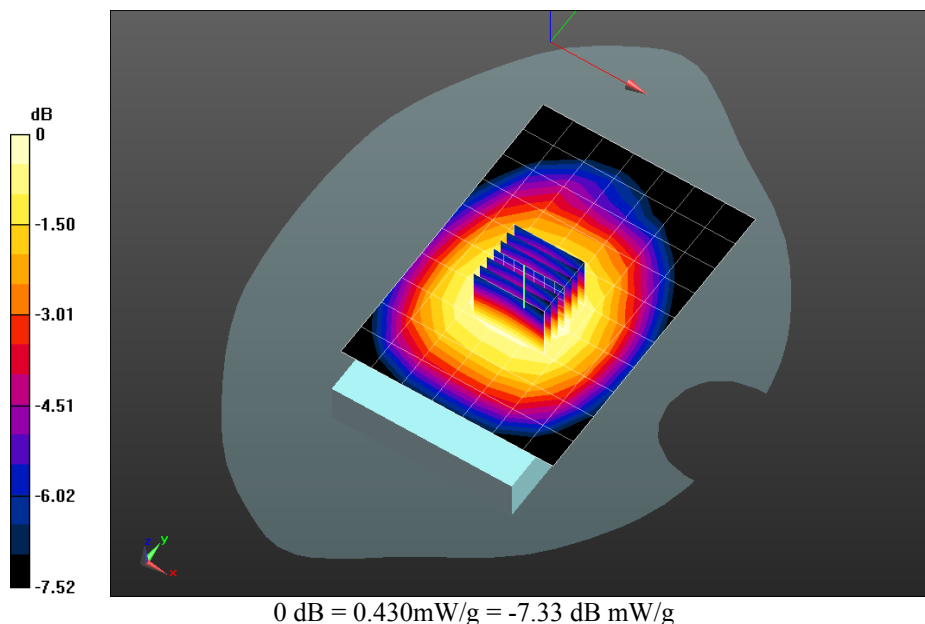
Flat-Section/Front 10mm_836.6MHz_Unit 2/Zoom Scan (8x7x7)/Cube 0:Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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): Measurementgrid: $dx=15$ mm, $dy=15$ mm

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

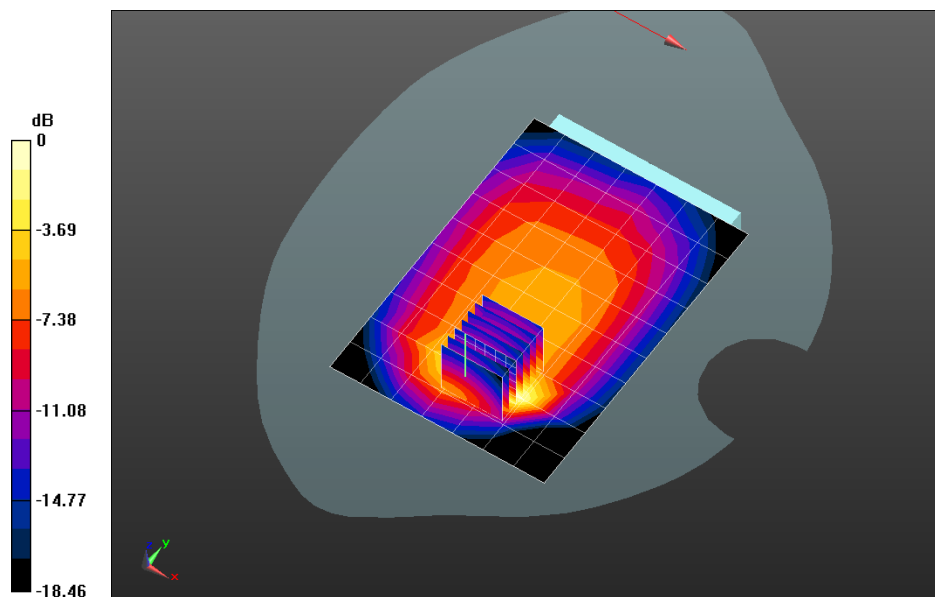
Flat-Section 2/Back 0mm_836.6MHz_Unit 4/Zoom Scan (7x7x7)/Cube 0:Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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



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/m³

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

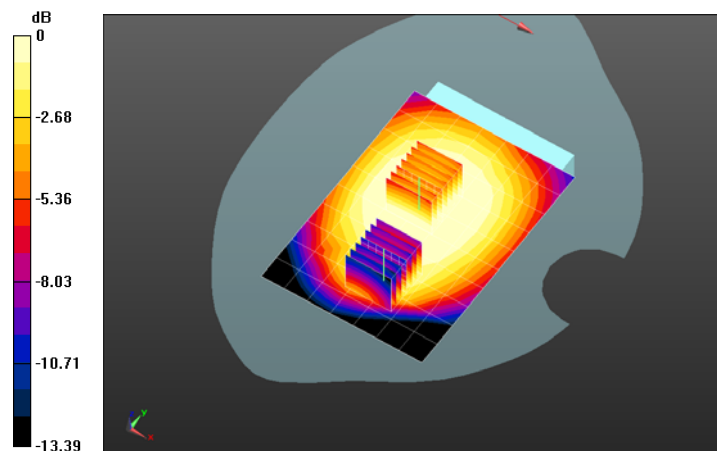
Flat-Section/Back 10mm_836.6MHz_Unit 4/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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



0 dB = 0.420mW/g = -7.54 dB 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/m³

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
- DASY52 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

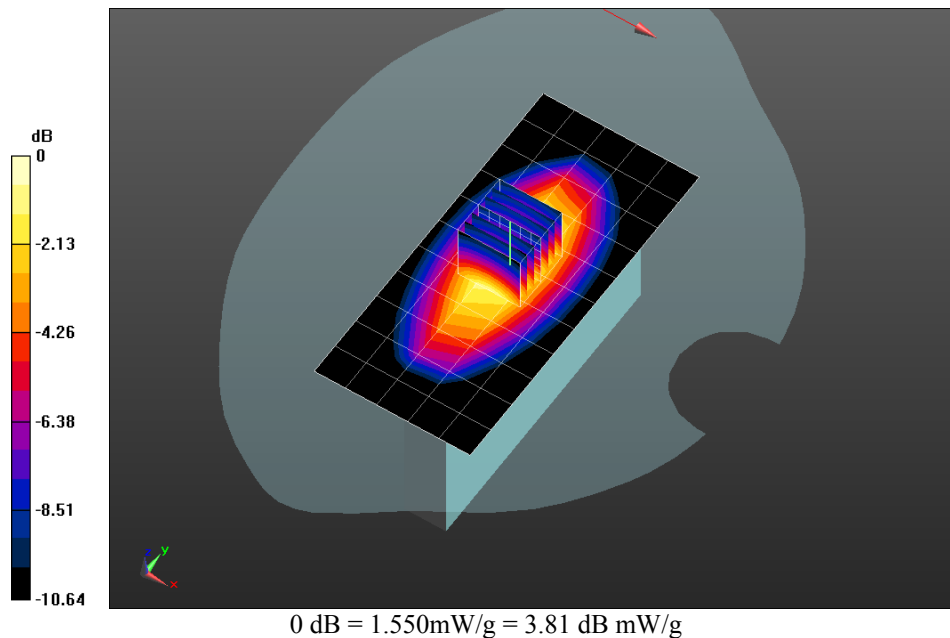
Flat-Section 2/Bottom Edge 0mm_836.6MHz_Unit 2/Zoom Scan**(7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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



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/m³

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
- DASY52 52.8.0(692);

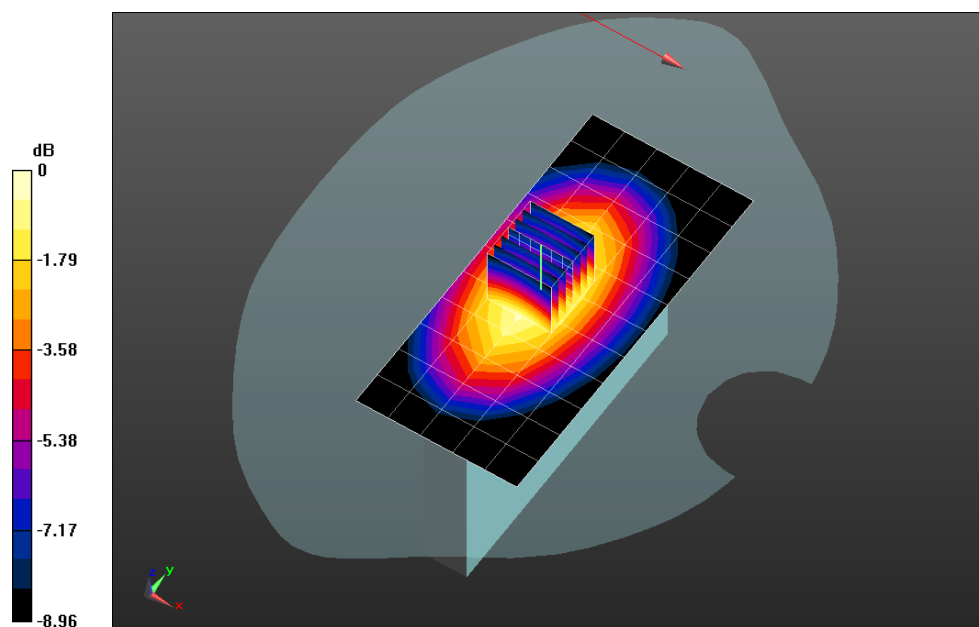
Flat-Section/Bottom Edge 10mm_836.6MHz_Unit 4/Area Scan (6x12x1):Measurement grid: $dx=15$ mm, $dy=15$ mm

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

0 dB = 0.460mW/g = -6.74 dB 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/m³

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

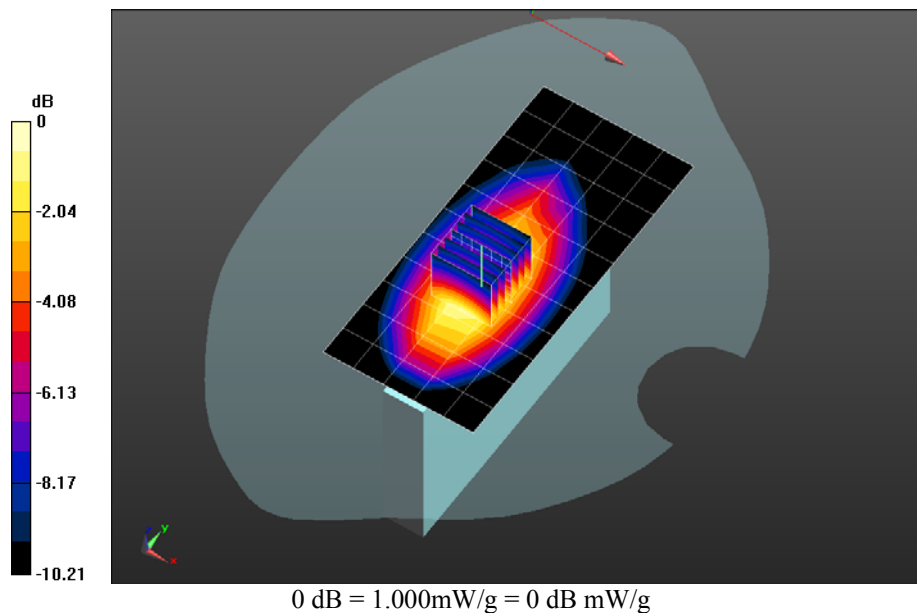
Flat-Section 2/Top Edge 0mm_836.6MHz_Unit 4/Zoom Scan (7x7x7)/Cube**0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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



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/m³

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
- DASY52 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

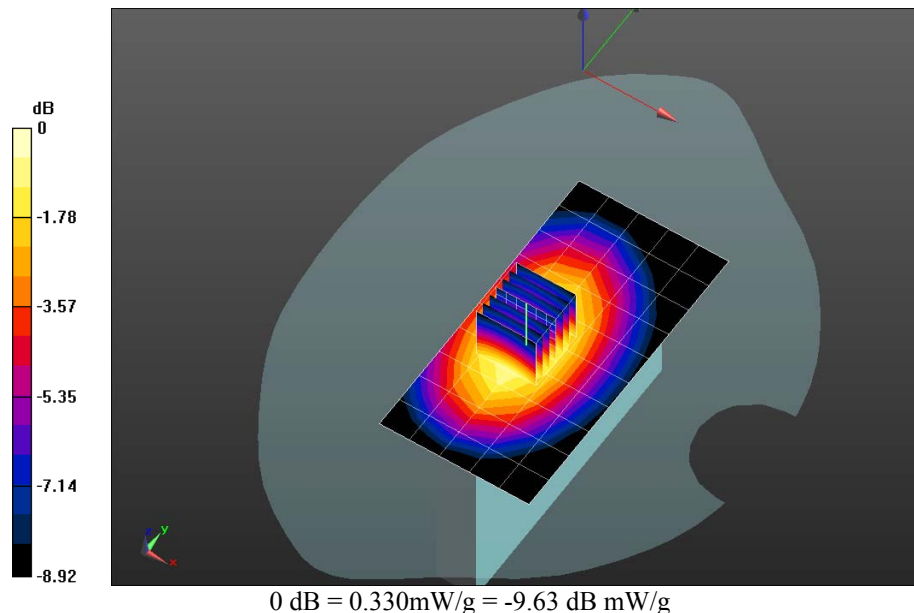
Flat-Section/Top Edge 10mm_836.6MHz_Unit 2/Zoom Scan (7x7x7)/Cube**0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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
- DASY52 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

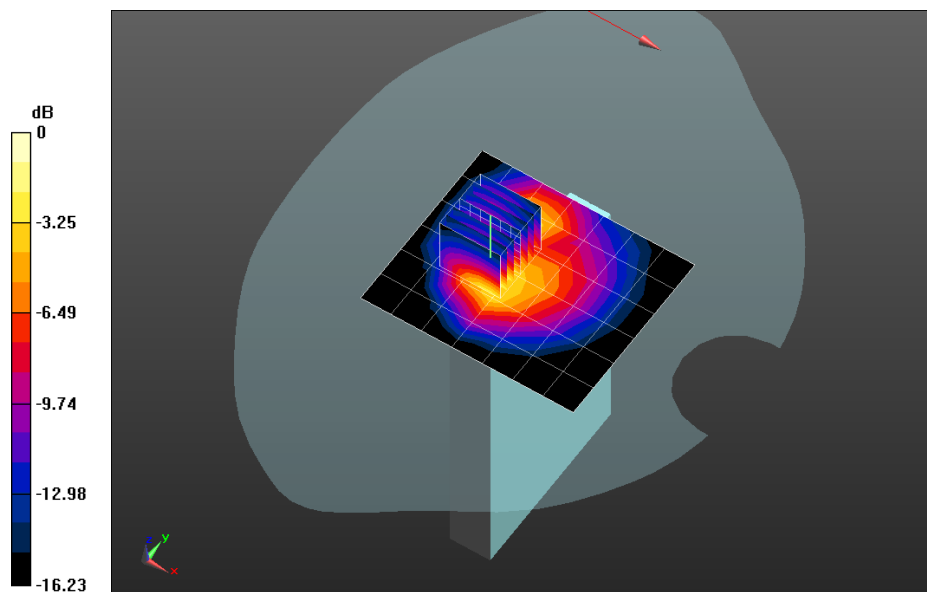
Flat-Section 2/Right Edge 0mm_836.6MHz_Unit 4/Zoom Scan**(7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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



0 dB = 1.100mW/g = 0.83 dB 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/m³

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
- DASY52 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

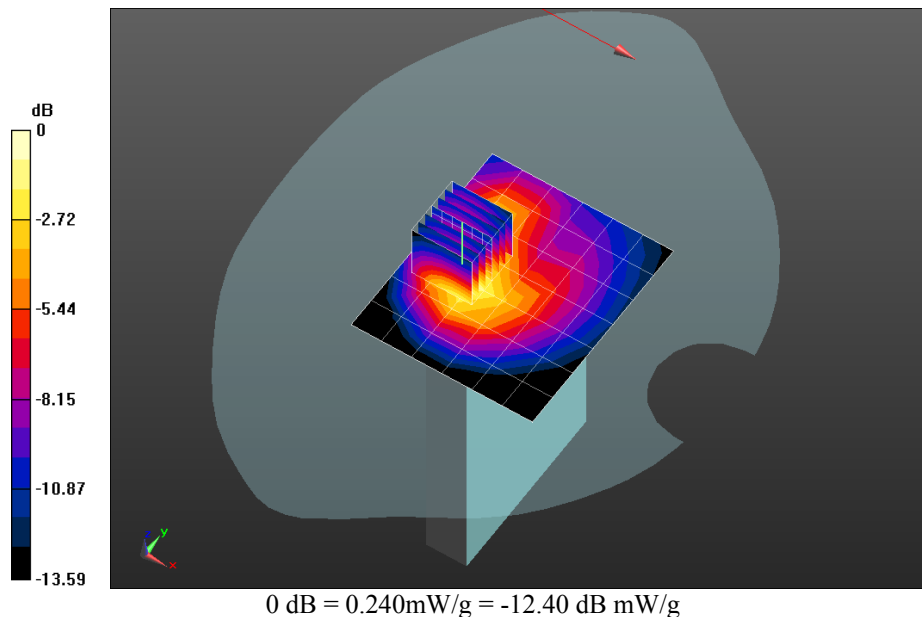
Flat-Section/Right Edge 10mm_836.6MHz_Unit 4/Zoom Scan**(7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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): Measurementgrid: $dx=15$ mm, $dy=15$ mm

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

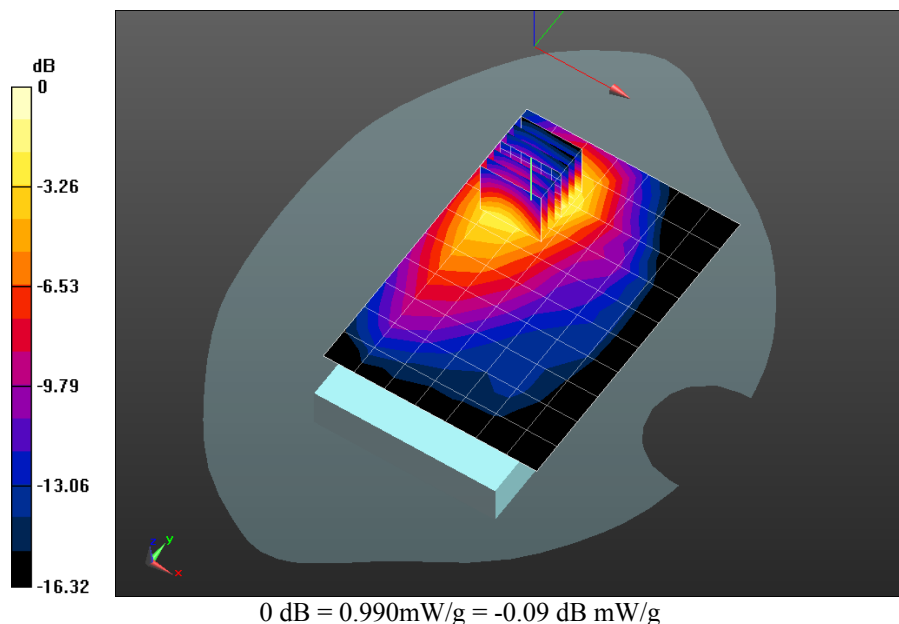
Flat-Section 2/Front 0mm_1732.6MHz_u2/Zoom Scan (7x7x7)/Cube 0:Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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



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/m³

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): Measurementgrid: $dx=15$ mm, $dy=15$ mm

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

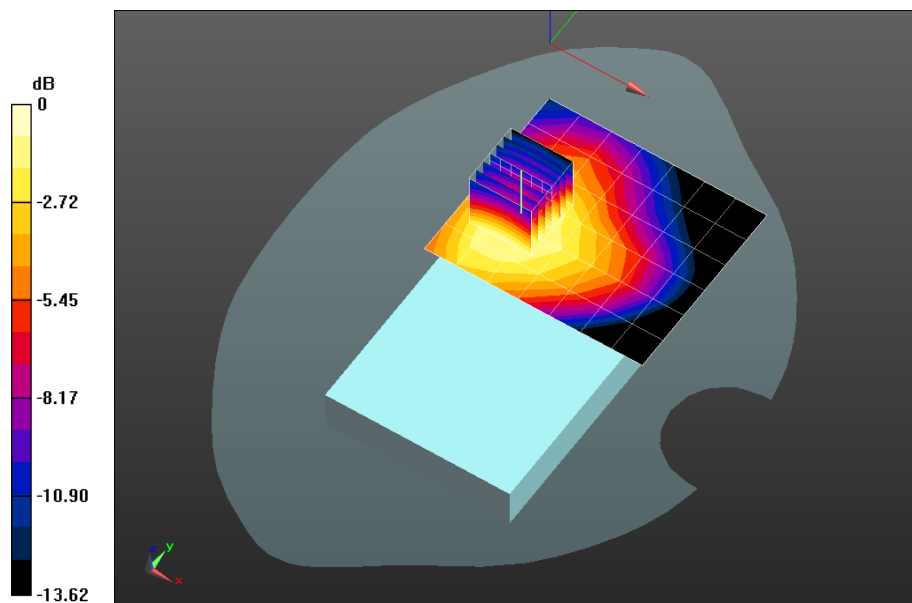
Flat-Section 3/Front 10mm_1732.6MHz_u3/Zoom Scan (7x7x7)/Cube 0:Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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:

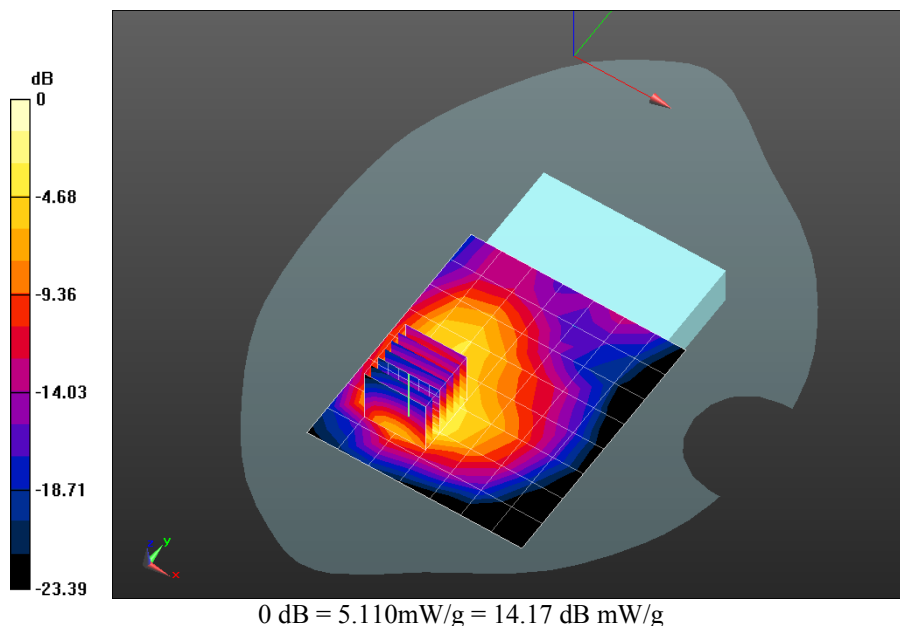
Measurement grid: dx=5mm, dy=5mm, dz=5mm

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



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/m³

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): Measurementgrid: $dx=15$ mm, $dy=15$ mm

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

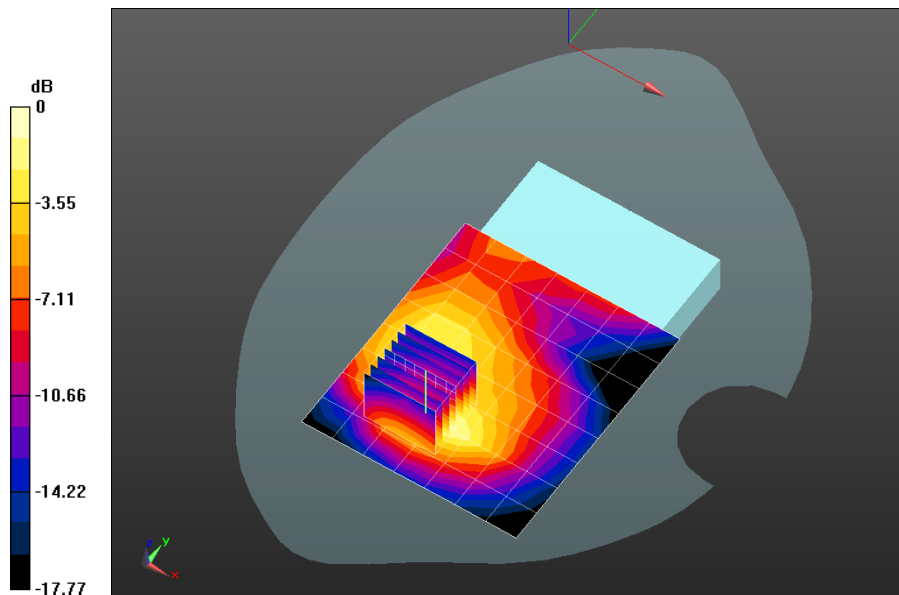
Flat-Section 3/Back 10mm_1732.6MHz_u2/Zoom Scan (8x7x7)/Cube 0:Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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



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/m³

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=15mm, dy=15mm

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

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

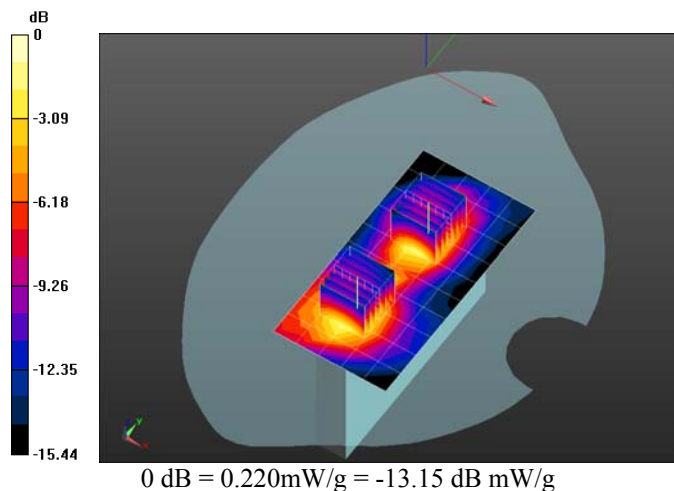
grid: dx=5mm, dy=5mm, dz=5mm

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



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/m³

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: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Flat-Section 3/Bottom Edge 10mm_1732.6MHz_u3/Zoom Scan (7x7x7)/Cube 0: Measurementgrid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

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

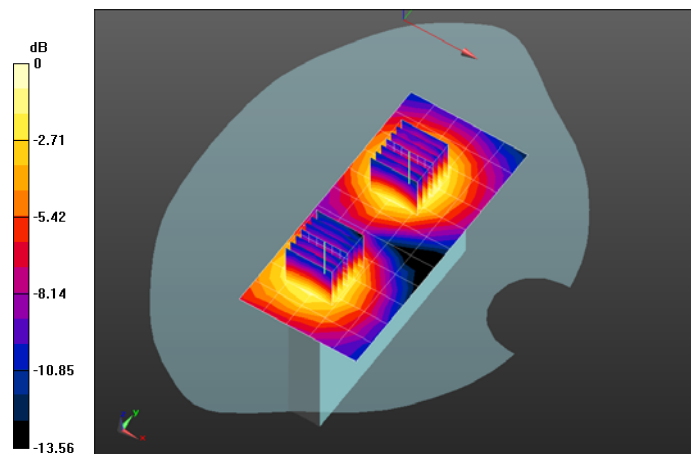
Flat-Section 3/Bottom Edge 10mm_1732.6MHz_u3/Zoom Scan (7x7x7)/Cube 1: Measurementgrid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

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



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/m³

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

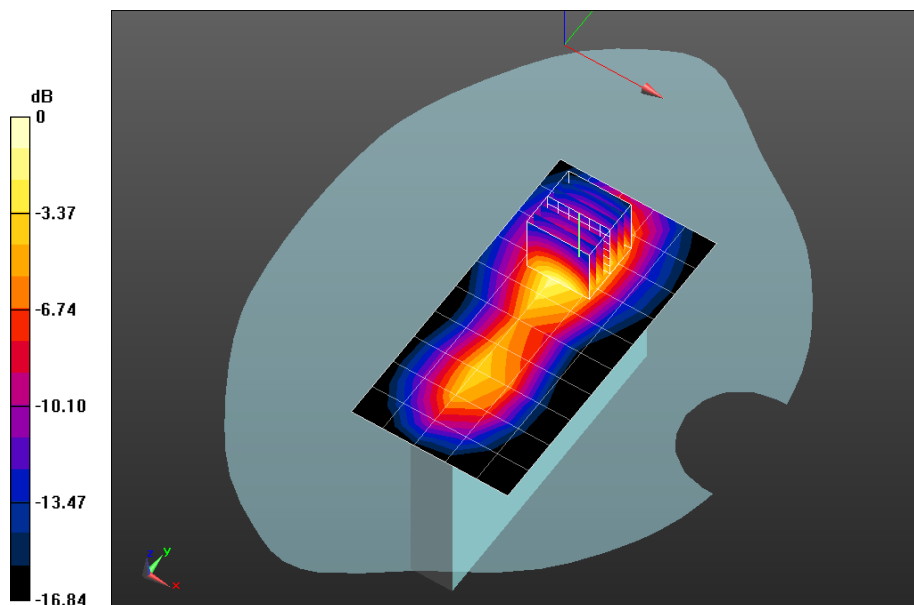
Flat-Section 2/Top Edge 0mm_1732.6MHz_u3/Zoom Scan (7x7x7)/Cube 0:Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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



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/m³

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=15mm, dy=15mm

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

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

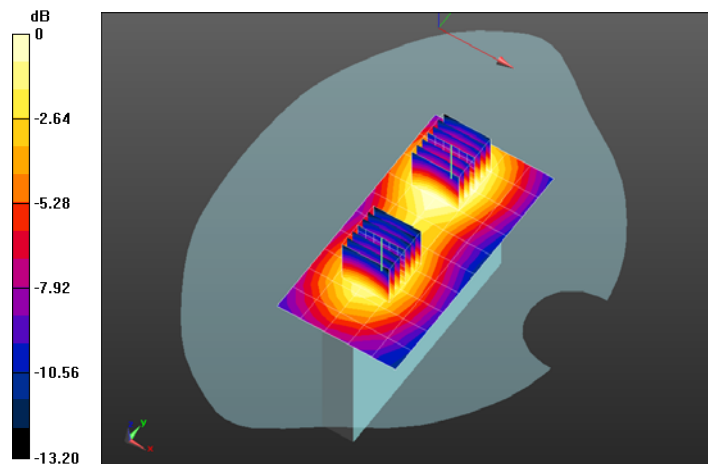
grid: dx=5mm, dy=5mm, dz=5mm

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



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/m³

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

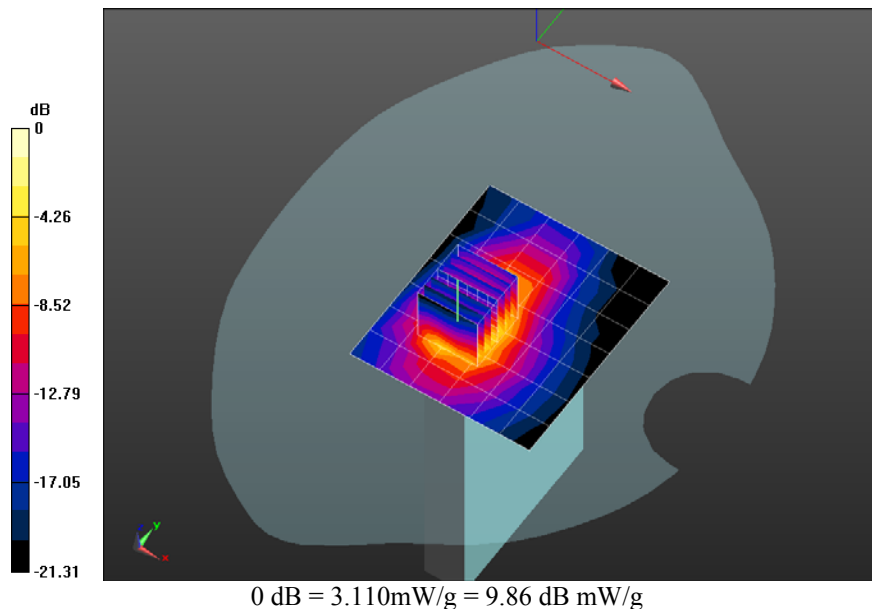
Flat-Section 2/Right Edge 0mm_1732.6MHz_u2/Zoom Scan (7x7x7)/Cube**0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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

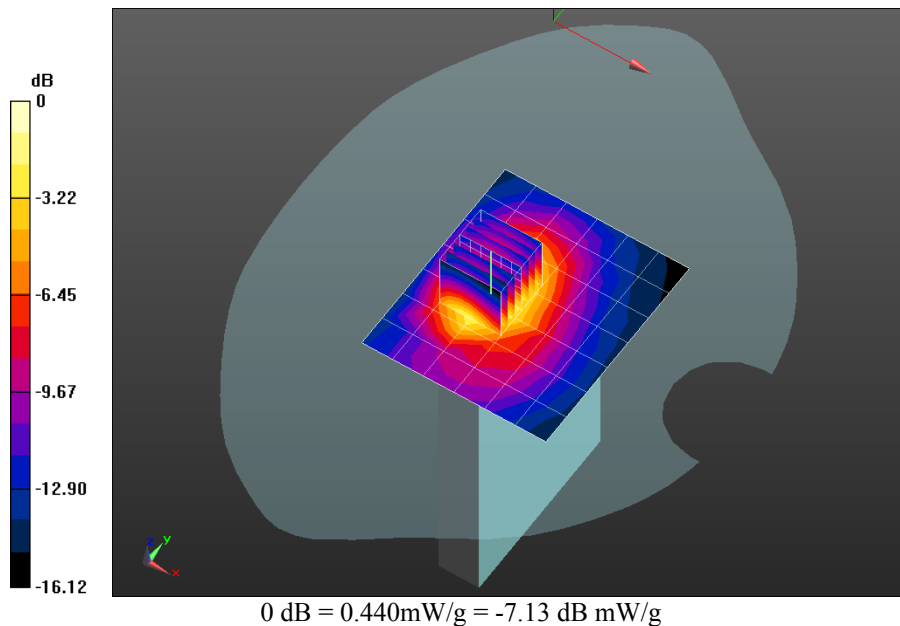
Flat-Section/Right Edge 10mm_1732.6MHz_u2/Zoom Scan (7x7x7)/Cube**0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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



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/m³

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): Measurementgrid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.631 mW/g

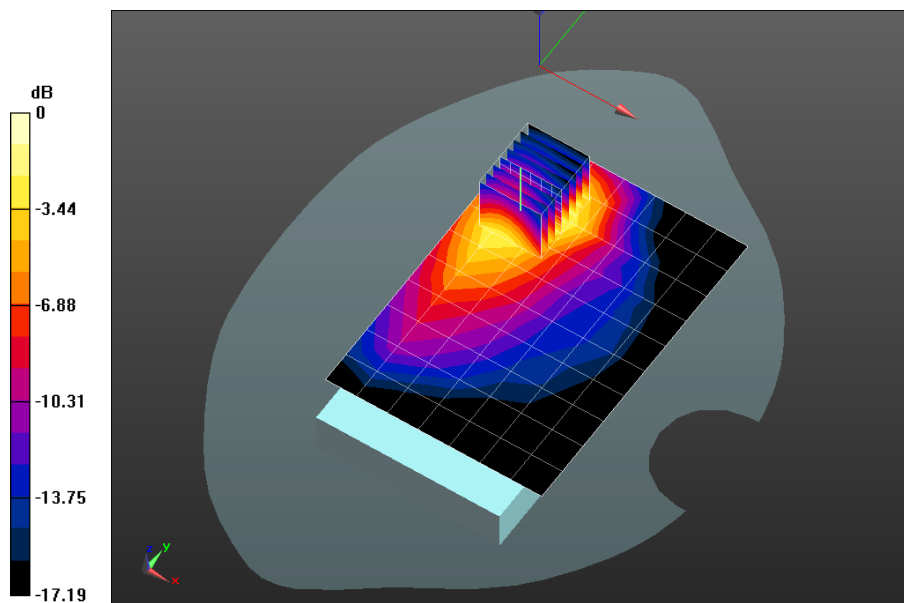
Flat-Section 1/Front 0mm_1880MHz_u4/Zoom Scan (7x8x7)/Cube 0:Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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): Measurementgrid: $dx=15$ mm, $dy=15$ mm

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

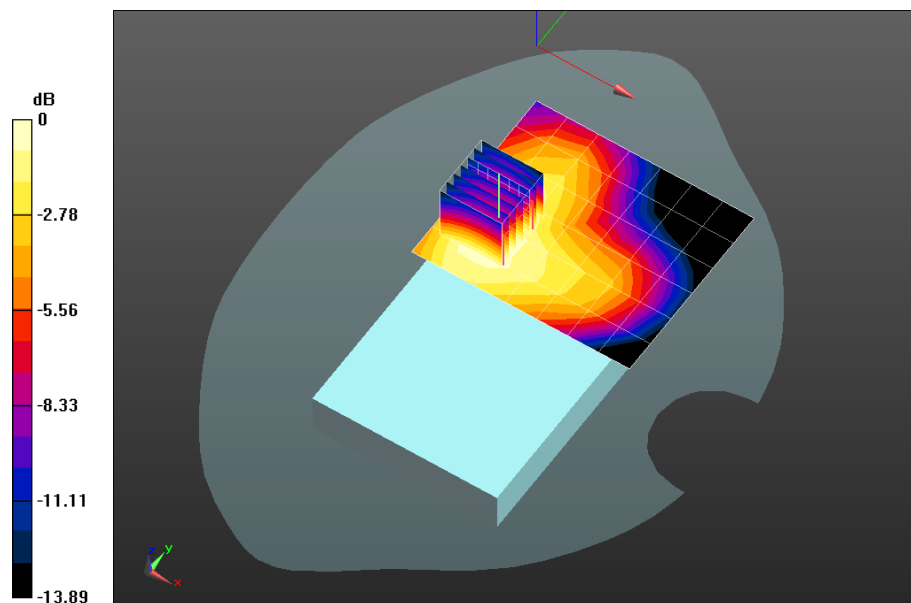
Flat-Section 2/Front 10mm_1880MHz_u3/Zoom Scan (7x7x7)/Cube 0:Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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:

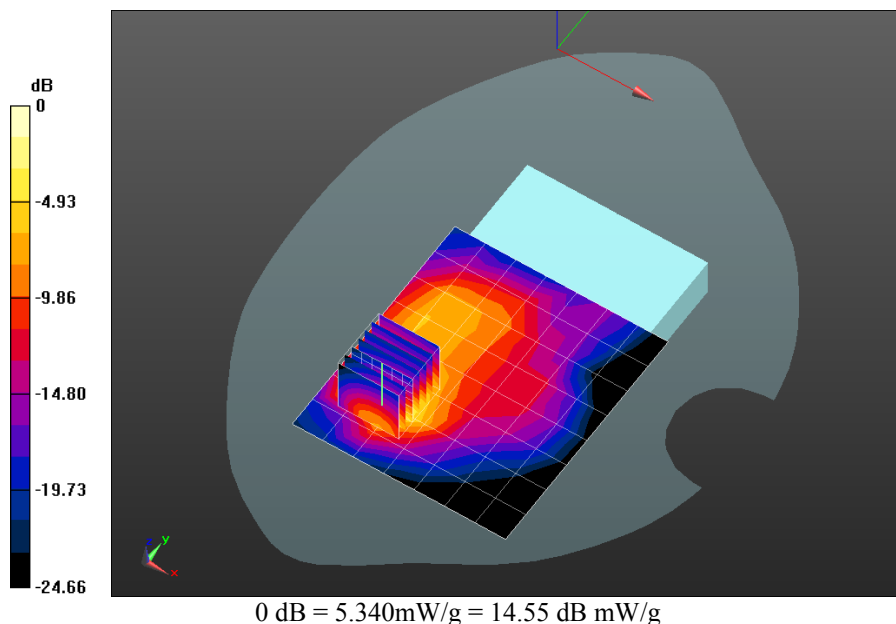
Measurement grid: dx=5mm, dy=5mm, dz=5mm

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/m³

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:

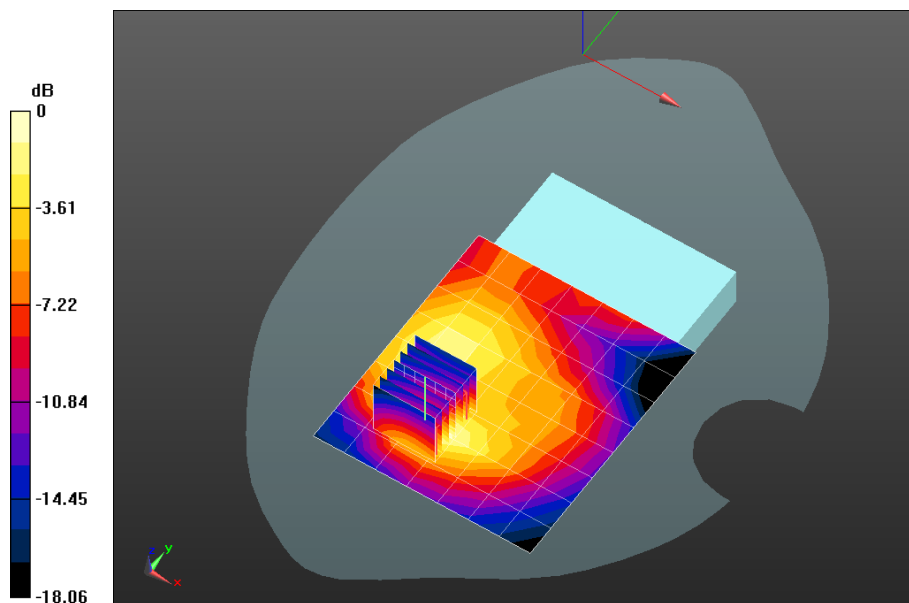
Measurement grid: dx=5mm, dy=5mm, dz=5mm

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/m³

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: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.196 mW/g

Flat-Section 1/Bottom Edge 0mm_1880MHz_u4/Zoom Scan (7x7x7)/Cube 0: Measurementgrid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

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

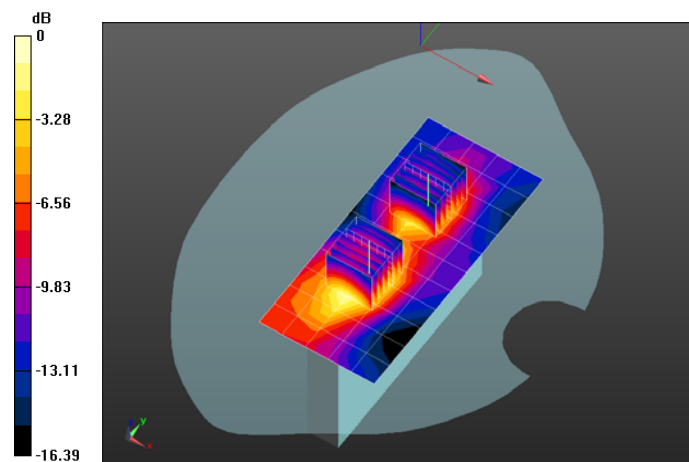
Flat-Section 1/Bottom Edge 0mm_1880MHz_u4/Zoom Scan (7x7x7)/Cube 1: Measurementgrid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

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/m³

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

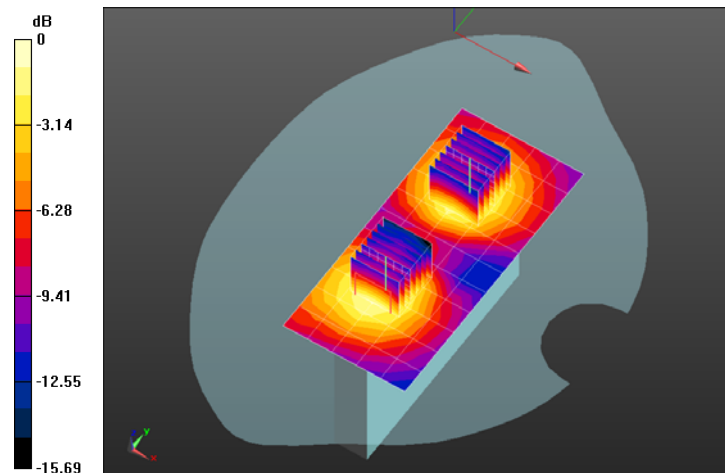
Maximum value of SAR (measured) = 0.116 mW/g

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/m³

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

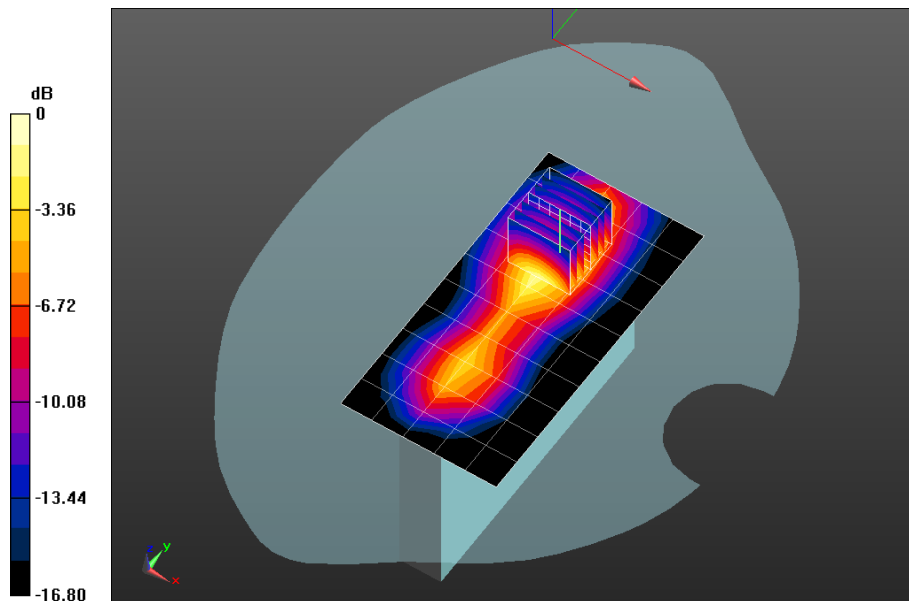
Flat-Section 1/Top Edge 0mm_1880MHz_u3/Zoom Scan (7x7x7)/Cube 0:Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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



0 dB = 2.580mW/g = 8.23 dB 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/m³

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

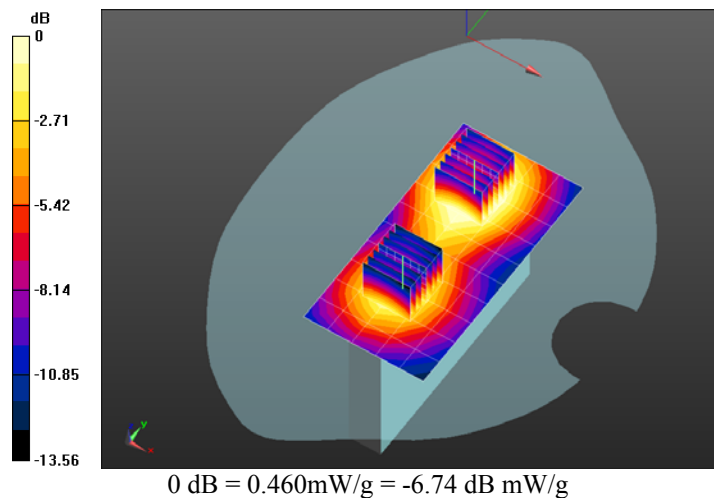
Flat-Section/Top Edge 10mm_1880MHz_u3/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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



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/m³

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

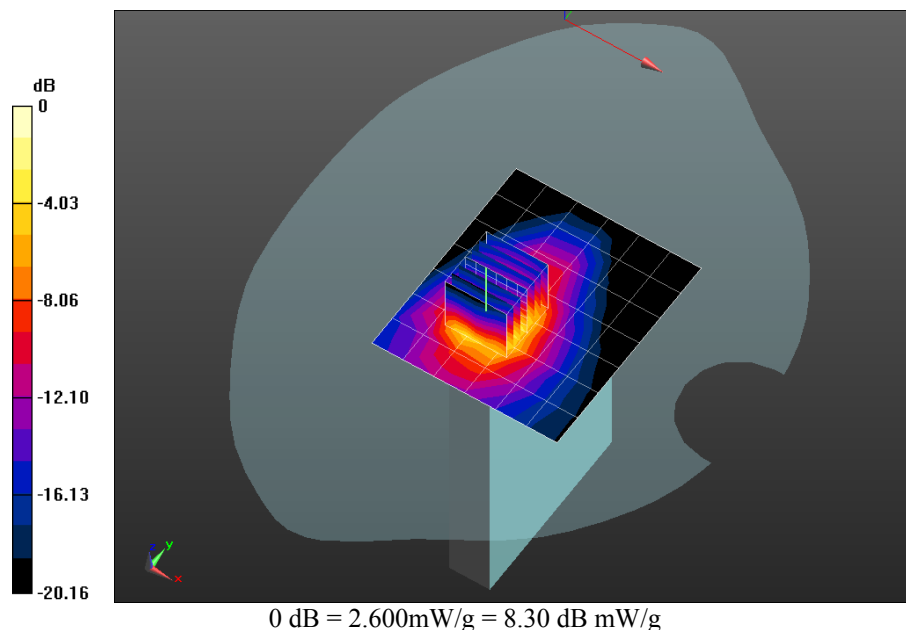
Flat-Section 1/Right Edge 0mm_1880MHz_u4/Zoom Scan (7x7x7)/Cube 0:Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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

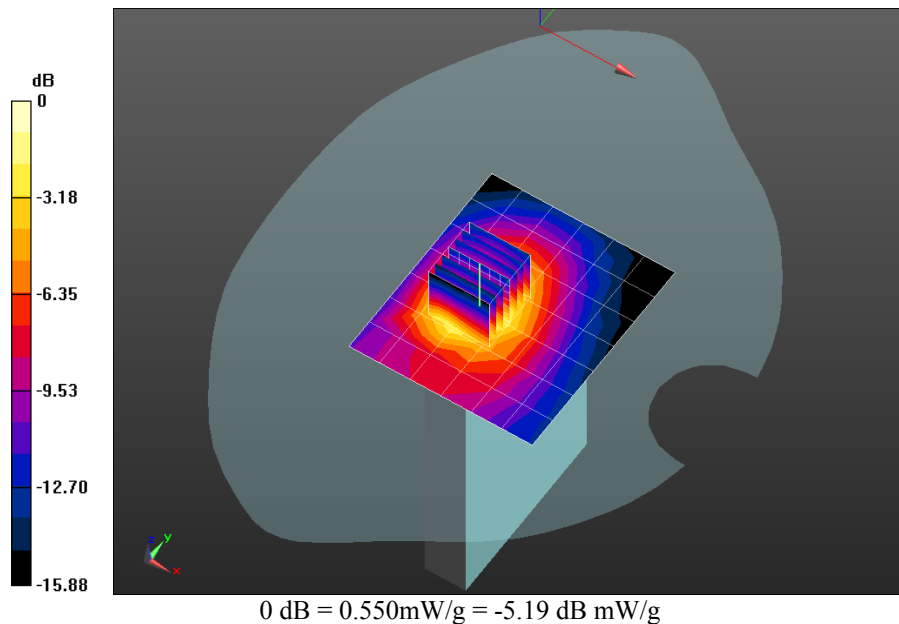
Flat-Section/Right Edge 10mm_1880MHz_u4/Zoom Scan (7x7x7)/Cube 0:Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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
- 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) = 10.208 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:**

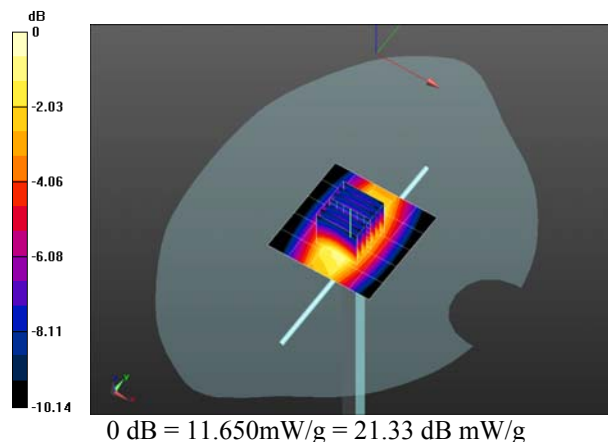
Measurement grid: dx=5mm, dy=5mm, dz=5mm

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/m³

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
- 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) = 10.467 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:**

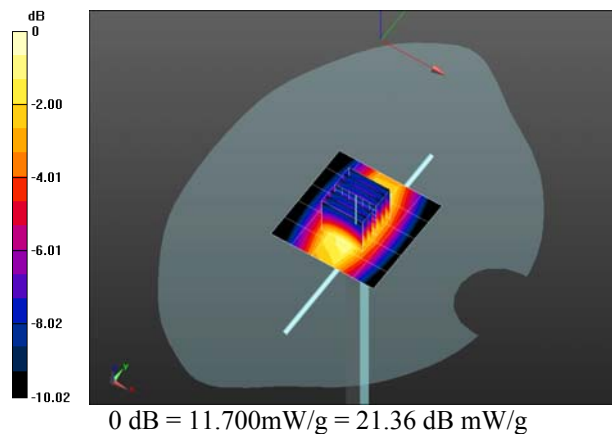
Measurement grid: dx=5mm, dy=5mm, dz=5mm

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/m³

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
- 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) = 10.471 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:**

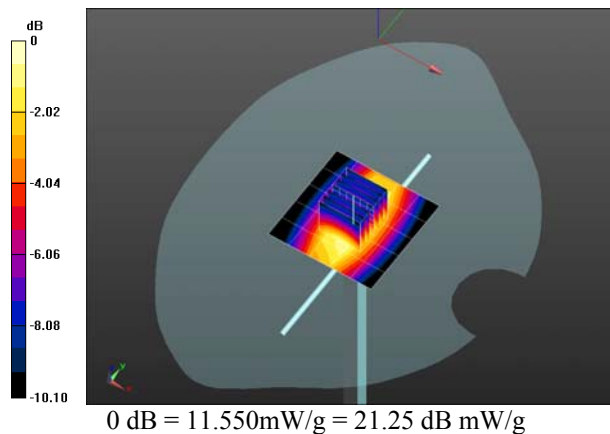
Measurement grid: dx=5mm, dy=5mm, dz=5mm

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/m³

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) = 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:**

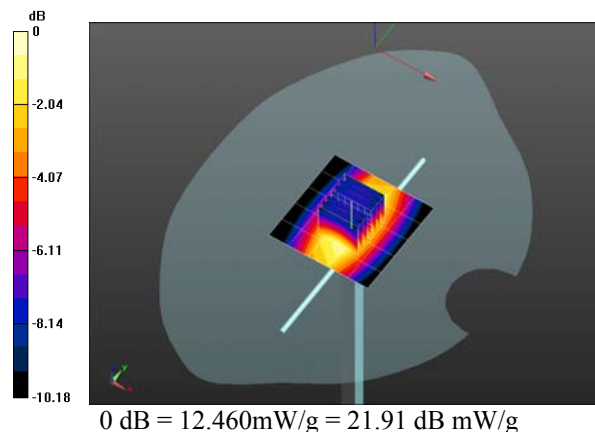
Measurement grid: dx=5mm, dy=5mm, dz=5mm

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/m³

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) = 10.461 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:**

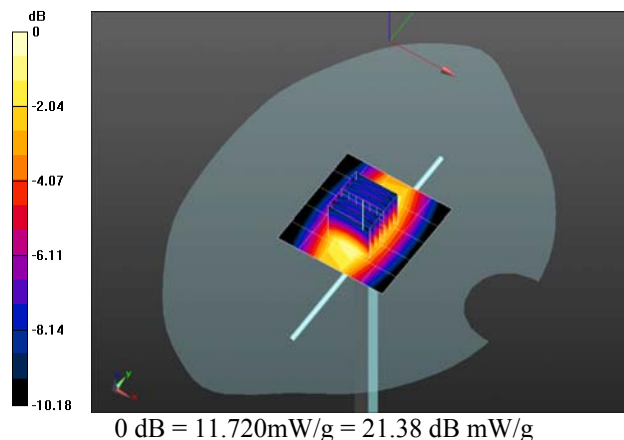
Measurement grid: dx=5mm, dy=5mm, dz=5mm

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/m³

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:**

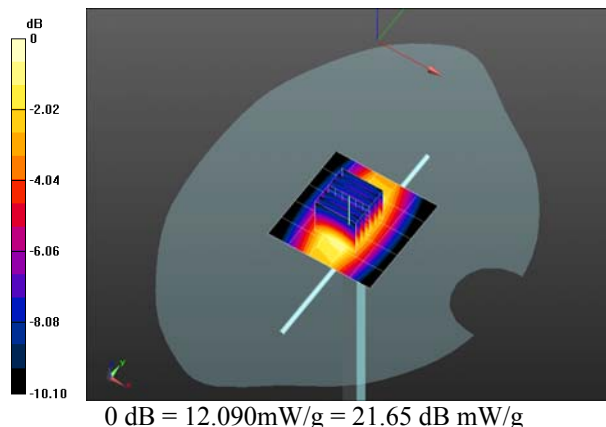
Measurement grid: dx=5mm, dy=5mm, dz=5mm

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/m³

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
- DASYS 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

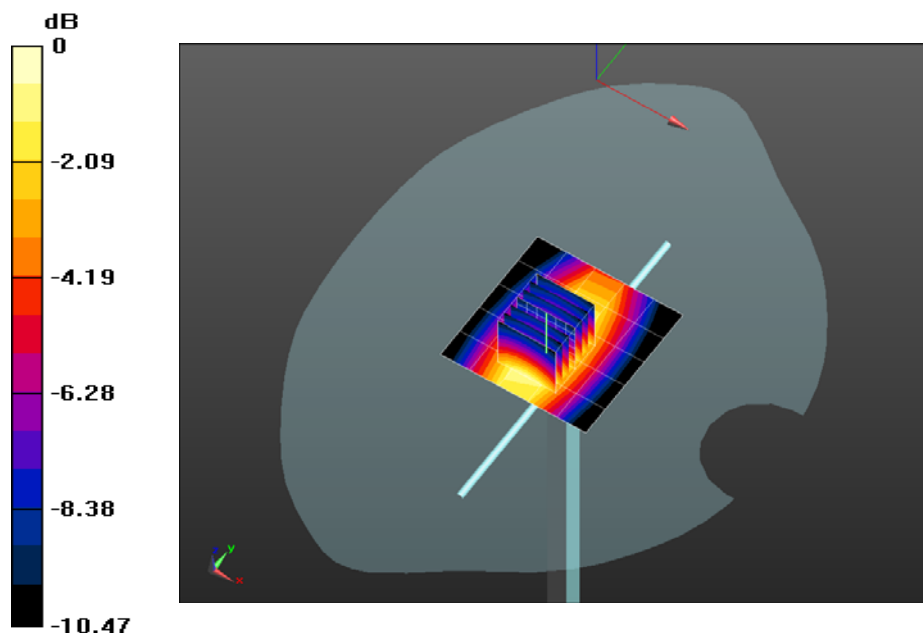
System Performance Check at Frequencies below 1 GHz/d=15mm, Pin=1W, dist=3.0mm (ES-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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=15mm, dy=15mm

Maximum value of SAR (measured) = 10.355 mW/g

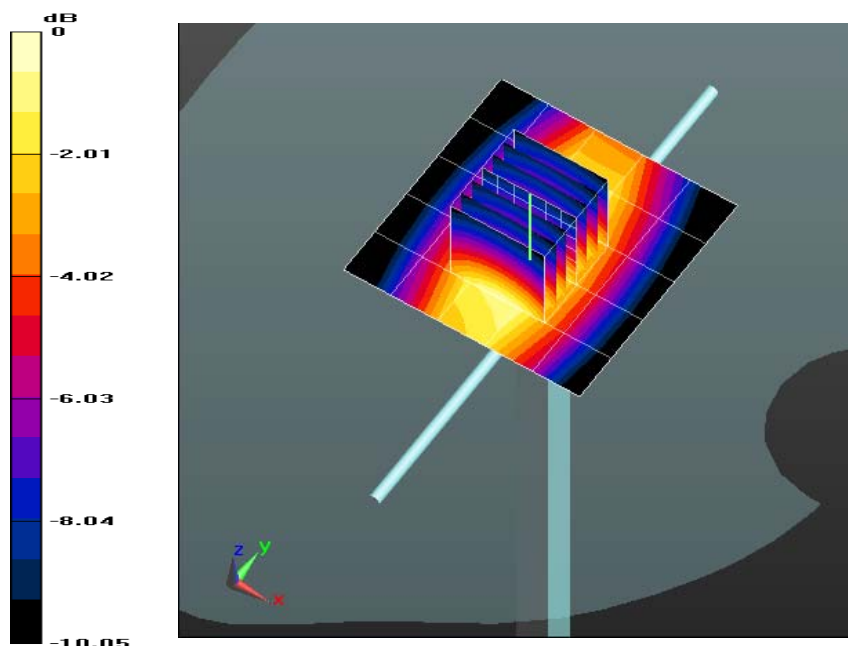
System Performance Check at Frequencies below 1 GHz/d=15mm, Pin=1W, dist=3.0mm (ES-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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/m³

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
- DASYS 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:**

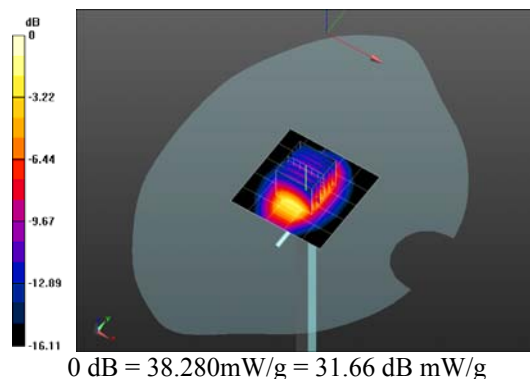
Measurement grid: dx=5mm, dy=5mm, dz=5mm

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/m³

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
- DASYS 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:**

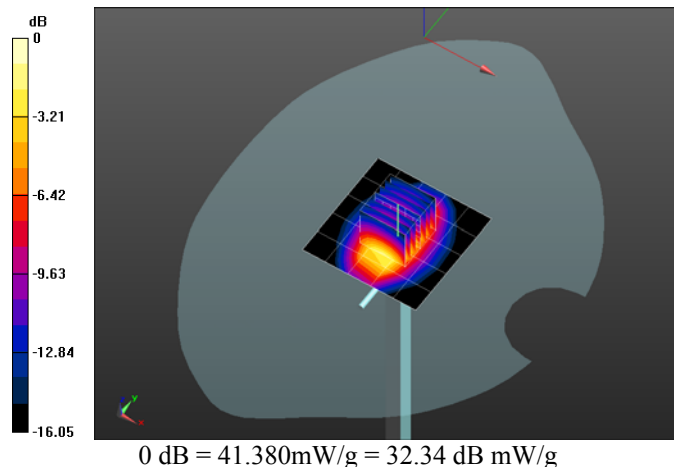
Measurement grid: dx=5mm, dy=5mm, dz=5mm

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/gInfo: [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/m³

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
- DASY52 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) = 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:**

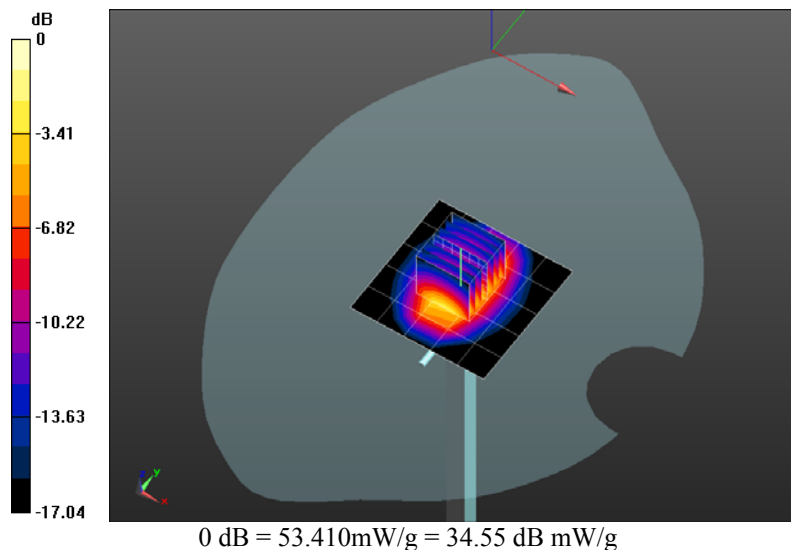
Measurement grid: dx=5mm, dy=5mm, dz=5mm

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



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/m³

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=15mm, dy=15mm

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:**

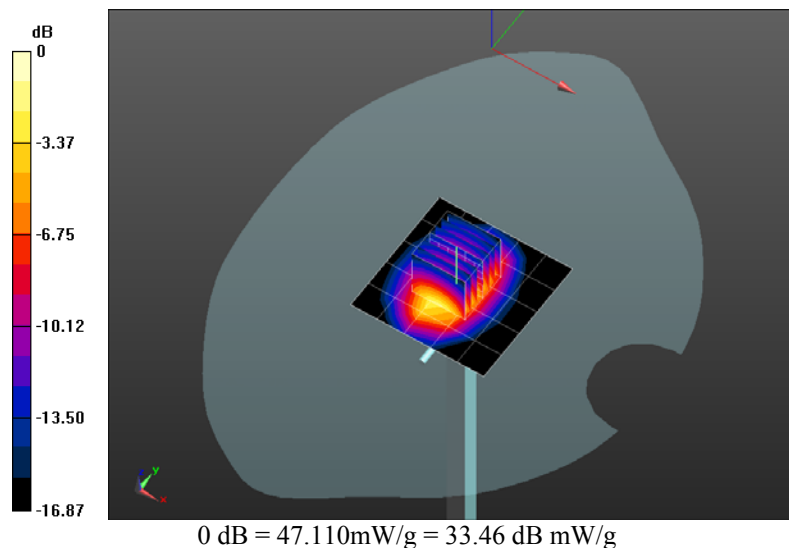
Measurement grid: dx=5mm, dy=5mm, dz=5mm

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/m³

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

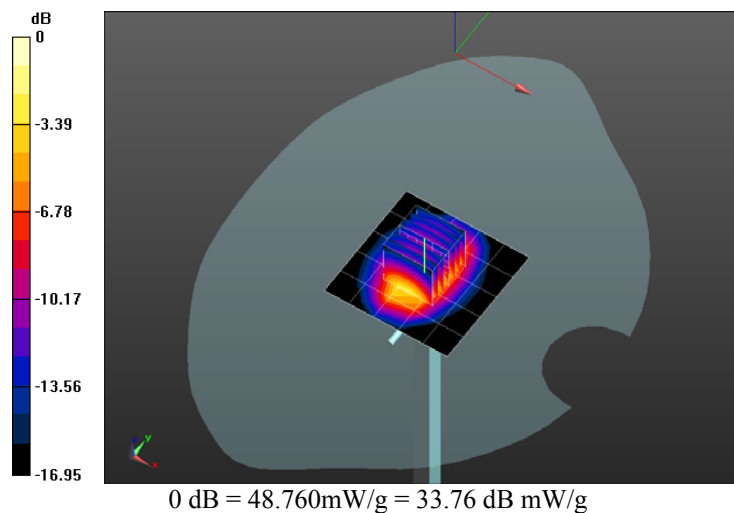
System Performance Check at Frequencies above 1 GHz/d=10mm,**Pin=1W, dist=3.0mm (ES-Probe) 2 2/Zoom Scan (7x7x7) (7x7x7)/Cube 0:**Measurement grid: $dx=5mm, dy=5mm, dz=5mm$

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/m³

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

Maximum value of SAR (measured) = 33.056 mW/g

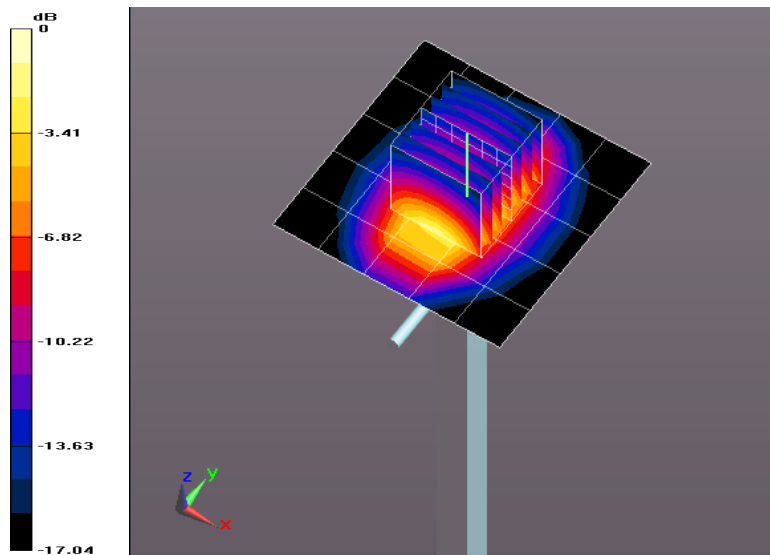
System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=1W, dist=3.0mm (ES-Probe)**2/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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