

Plot 1 Date/Time: 9/14/2017 9:37:36 AM

Test Laboratory: Cetecom Inc. SAR 1 Lab

**DUT: Garmin; Type: Tablet; Serial: IMEI: 356961072228060**

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1880 MHz

Medium: MSL1900\_Batch 110615-4

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.541$  S/m;  $\epsilon_r = 54.487$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 22.2°C; Medium Temperature: 21.4°C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3323; ConvF(4.97, 4.97, 4.97); Calibrated: 5/12/2017;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/16/2017
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1092
- DASYS2 52.8.8(1222);

**Flat-Section/Top Edge 0mm/Area Scan (6x15x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 2.85 W/kg

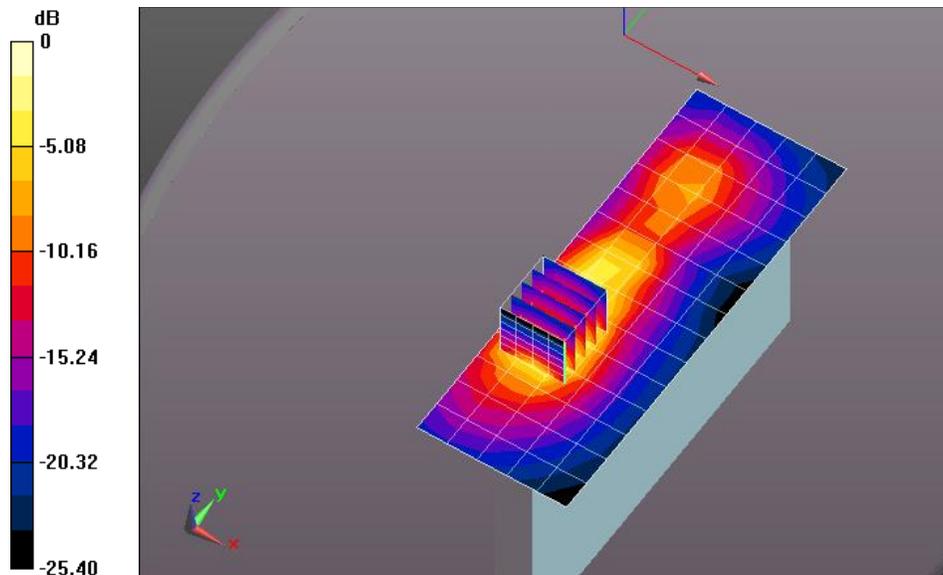
**Flat-Section/Top Edge 0mm/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 22.16 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 7.58 W/kg

**SAR(1 g) = 3.73 W/kg; SAR(10 g) = 1.79 W/kg**

Maximum value of SAR (measured) = 4.99 W/kg



0 dB = 2.85 W/kg = 4.55 dBW/kg

Plot 2 Date/Time: 9/7/2017 11:14:10 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

**DUT: Garmin; Type: Tablet; Serial: IMEI: 356961072228060**

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 836.6 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.942$  S/m;  $\epsilon_r = 56.567$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John R; Air Temperature: 21.8°C; Medium Temperature: 20.9°C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3323; ConvF(6.38, 6.38, 6.38); Calibrated: 5/12/2017;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/16/2017
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1092
- DASYS2 52.8.8(1222);

**Flat-Section/Top Edge 0mm/Area Scan (6x15x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.25 W/kg

**Flat-Section/Top Edge 0mm/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

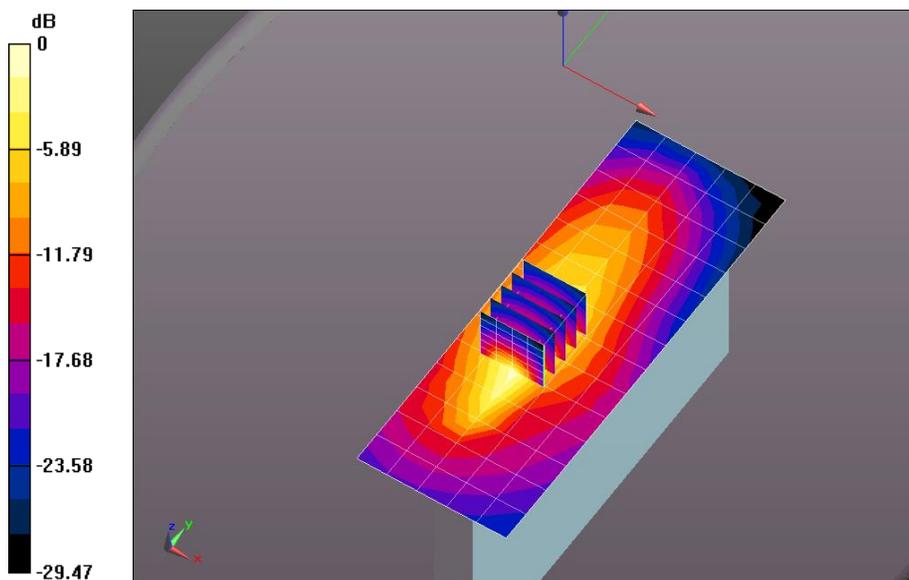
Reference Value = 27.32 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.10 W/kg

**SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.504 W/kg**

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.34 W/kg



0 dB = 1.25 W/kg = 0.97 dBW/kg

Plot 3

Date/Time: 9/15/2017 5:56:38 AM

Test Laboratory: Cetecom Inc. SAR 1 Lab

**DUT: Garmin; Type: Tablet; Serial: IMEI: 356961072228060**

Communication System: UID 10175 - CAB, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 1850 MHz

Medium: MSL1900\_Batch 110615-4

Medium parameters used:  $f = 1850$  MHz;  $\sigma = 1.498$  S/m;  $\epsilon_r = 54.339$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: John; Air Temperature: 22.1°C; Medium Temperature: 21.3°C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3323; ConvF(4.97, 4.97, 4.97); Calibrated: 5/12/2017;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/16/2017
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1092
- DASY52 52.8.8(1222);

**Flat-Section/Top Edge 0mm\_Worst Case Low Channel/Area Scan (6x15x1):** Measurement grid:

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

Maximum value of SAR (measured) = 3.96 W/kg

**Flat-Section/Top Edge 0mm\_Worst Case Low Channel/Zoom Scan (5x5x7)/Cube 0:** Measurement

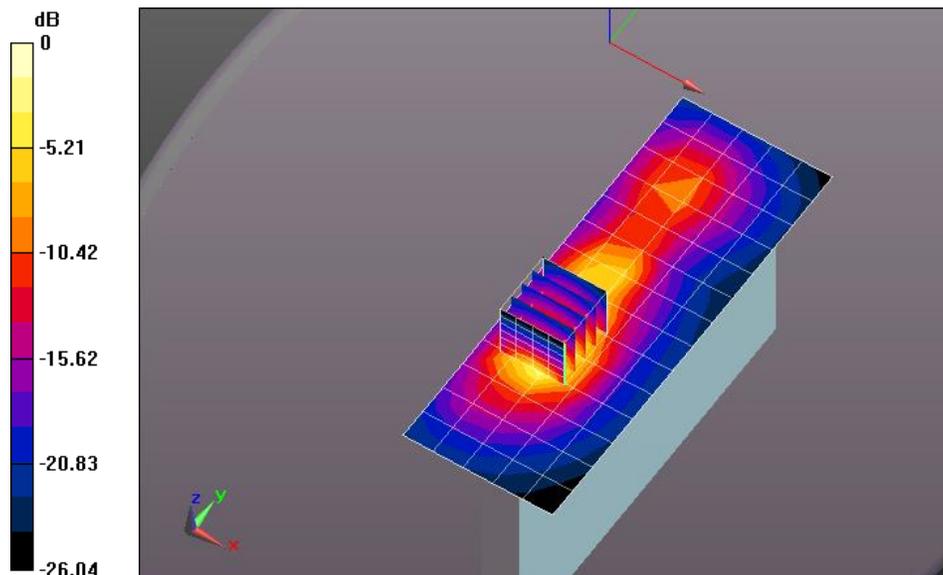
grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 25.14 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 6.89 W/kg

**SAR(1 g) = 3.42 W/kg; SAR(10 g) = 1.66 W/kg**

Maximum value of SAR (measured) = 4.57 W/kg



0 dB = 3.96 W/kg = 5.98 dBW/kg

Plot 4

Date/Time: 9/17/2017 9:48:38 AM

Test Laboratory: Cetecom Inc. SAR 1 Lab

**DUT: Garmin; Type: Tablet; Serial: IMEI: 356961072228060**

Communication System: UID 10175 - CAB, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 1720 MHz

Medium: MSL1750\_Batch 100824-2

Medium parameters used (extrapolated):  $f = 1720$  MHz;  $\sigma = 1.423$  S/m;  $\epsilon_r = 54.804$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: John; Air Temperature: 21.9°C; Medium Temperature: 21.2°C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3323; ConvF(5.15, 5.15, 5.15); Calibrated: 5/12/2017;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/16/2017
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1092
- DASY52 52.8.8(1222);

**Flat-Section/Top Edge 0mm\_Worst Case Low Channel/Area Scan (6x15x1):** Measurement grid:

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

[Info: Extrapolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 4.32 W/kg

**Flat-Section/Top Edge 0mm\_Worst Case Low Channel/Zoom Scan (5x5x7)/Cube 0:** Measurement

grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

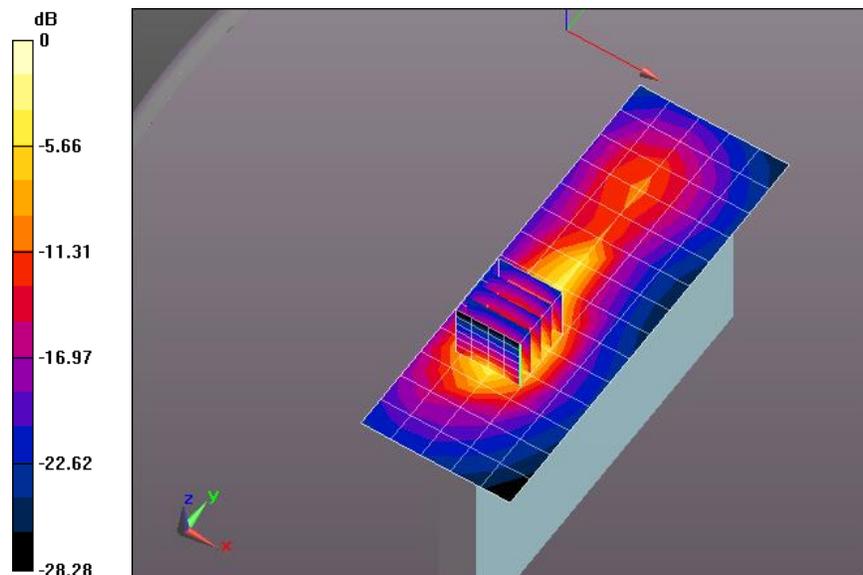
Reference Value = 33.80 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 6.76 W/kg

**SAR(1 g) = 3.49 W/kg; SAR(10 g) = 1.75 W/kg**

[Info: Extrapolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 4.43 W/kg



0 dB = 4.32 W/kg = 6.35 dBW/kg

Plot 5

Date/Time: 9/12/2017 10:00:12 AM

Test Laboratory: Cetecom Inc. SAR 1 Lab

**DUT: Garmin; Type: Tablet; Serial: IMEI: 356961072228060**

Communication System: UID 10175 - CAB, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 824 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used:  $f = 824 \text{ MHz}$ ;  $\sigma = 0.933 \text{ S/m}$ ;  $\epsilon_r = 56.536$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John R.; Air Temperature: 22°C; Medium Temperature: 21.4°C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3323; ConvF(6.38, 6.38, 6.38); Calibrated: 5/12/2017;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/16/2017
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1092
- DASYS2 52.8.8(1222);

**Flat-Section/Top Edge 0mm\_Worst Case Low Channel/Area Scan (6x15x1):** Measurement grid:

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

Maximum value of SAR (measured) = 0.811 W/kg

**Flat-Section/Top Edge 0mm\_Worst Case Low Channel/Zoom Scan (5x5x7)/Cube 0:** Measurement

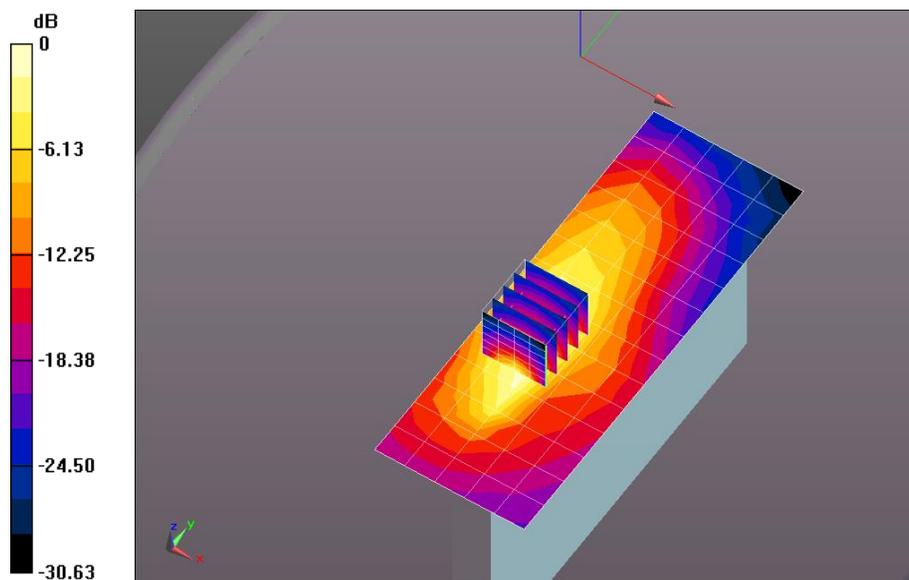
grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 20.71 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.91 W/kg

**SAR(1 g) = 0.913 W/kg; SAR(10 g) = 0.450 W/kg**

Maximum value of SAR (measured) = 1.25 W/kg



0 dB = 0.811 W/kg = -0.91 dBW/kg

Plot 6

Date/Time: 10/8/2017 9:21:53 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

**DUT: Garmin; Type: Tablet; Serial: IMEI: 356961072228060**

Communication System: UID 10175 - CAB, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 715.9 MHz

Medium: MSL750\_Batch 110526-1

Medium parameters used:  $f = 716 \text{ MHz}$ ;  $\sigma = 0.931 \text{ S/m}$ ;  $\epsilon_r = 57.933$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: John; Air Temperature: 21.6°C; Medium Temperature: 20°C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3323; ConvF(6.49, 6.49, 6.49); Calibrated: 5/12/2017;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/16/2017
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1092
- DASY52 52.8.8(1222);

**Flat-Section/Top Edge 0mm\_Worst Case High Channel/Area Scan (6x15x1):** Measurement grid:

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

Maximum value of SAR (measured) = 0.875 W/kg

**Flat-Section/Top Edge 0mm\_Worst Case High Channel/Zoom Scan (5x5x7)/Cube 0:**

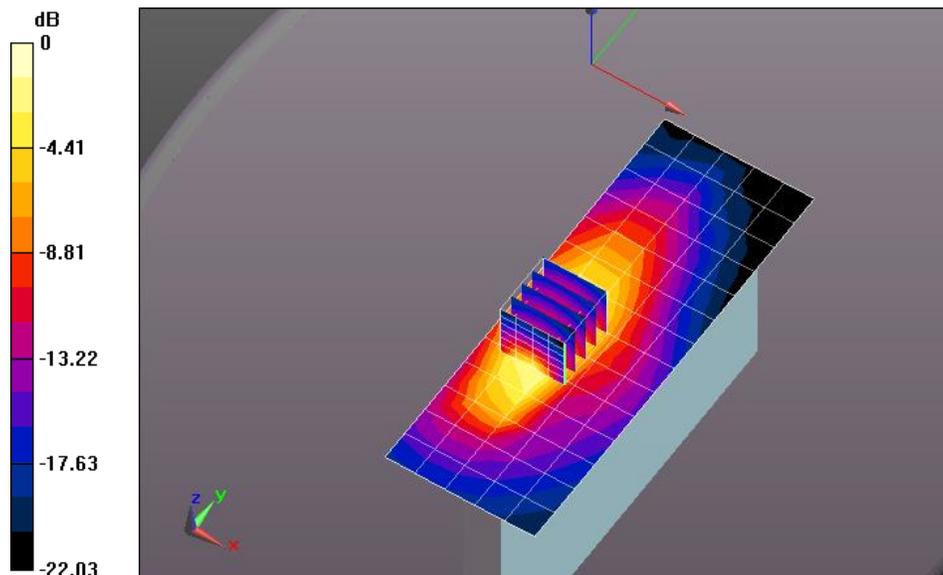
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 24.30 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.15 W/kg

**SAR(1 g) = 0.999 W/kg; SAR(10 g) = 0.494 W/kg**

Maximum value of SAR (measured) = 1.31 W/kg



0 dB = 0.875 W/kg = -0.58 dBW/kg

Plot 7

Date/Time: 10/9/2017 4:54:39 AM

Test Laboratory: Cetecom Inc. SAR 1 Lab

**DUT: Garmin; Type: Tablet; Serial: IMEI: 356961072228060**

Communication System: UID 10175 - CAB, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 777 MHz

Medium: MSL750\_Batch 110526-1

Medium parameters used:  $f = 777 \text{ MHz}$ ;  $\sigma = 0.991 \text{ S/m}$ ;  $\epsilon_r = 57.592$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: John; Air Temperature: 21.9°C; Medium Temperature: 20°C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3323; ConvF(6.49, 6.49, 6.49); Calibrated: 5/12/2017;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/16/2017
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1092
- DASY52 52.8.8(1222);

**Flat-Section/Top Edge 0mm\_Worst Case Low Channel/Area Scan (6x15x1):** Measurement grid:

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

Maximum value of SAR (measured) = 1.15 W/kg

**Flat-Section/Top Edge 0mm\_Worst Case Low Channel/Zoom Scan (5x5x7)/Cube 0:** Measurement

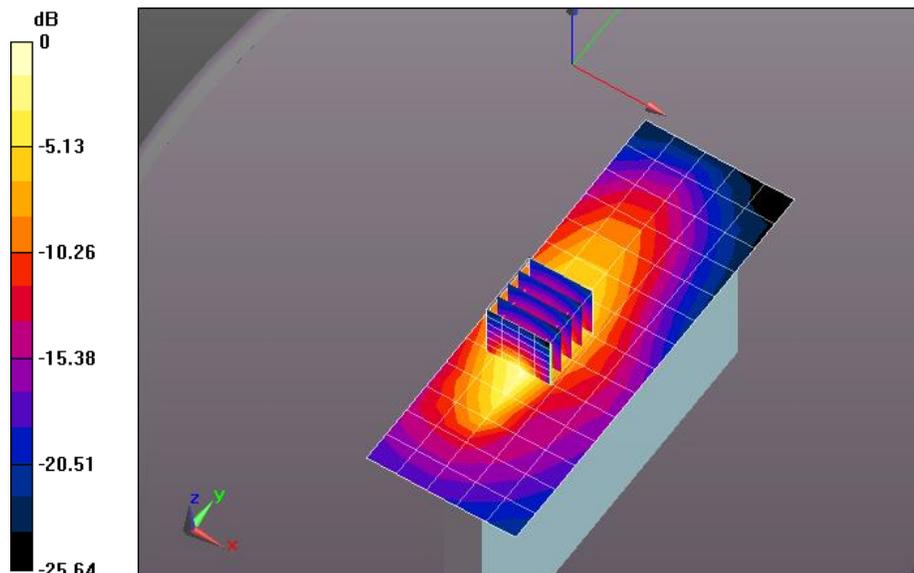
grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 26.39 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 2.26 W/kg

**SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.533 W/kg**

Maximum value of SAR (measured) = 1.41 W/kg



0 dB = 1.15 W/kg = 0.62 dBW/kg

Plot 8 Date/Time: 9/26/2017 7:25:19 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

**DUT: Garmin; Type: Tablet; Serial: IMEI: 356961072228060**

Communication System: UID 0, 802.11bgn\_100% Duty Cycle (0); Frequency: 2462 MHz

Medium: MSL2450\_Batch 110615-1

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.991$  S/m;  $\epsilon_r = 51.896$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

Procedure Notes: Test Technician: John; Air Temperature: 22.1°C; Medium Temperature: 20.6°C; Comments: DSSS @ 1Mbps;

DASY Configuration:

- Probe: ES3DV3 - SN3323; ConvF(4.6, 4.6, 4.6); Calibrated: 5/12/2017;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/16/2017
- Phantom: ELI v4.0\_Front; Type: QDOVA001BB; Serial: 1124
- DASY52 52.8.8(1222);

**Configuration/Top Edge 0mm\_High Ch/Area Scan (7x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.292 W/kg

**Configuration/Top Edge 0mm\_High Ch/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

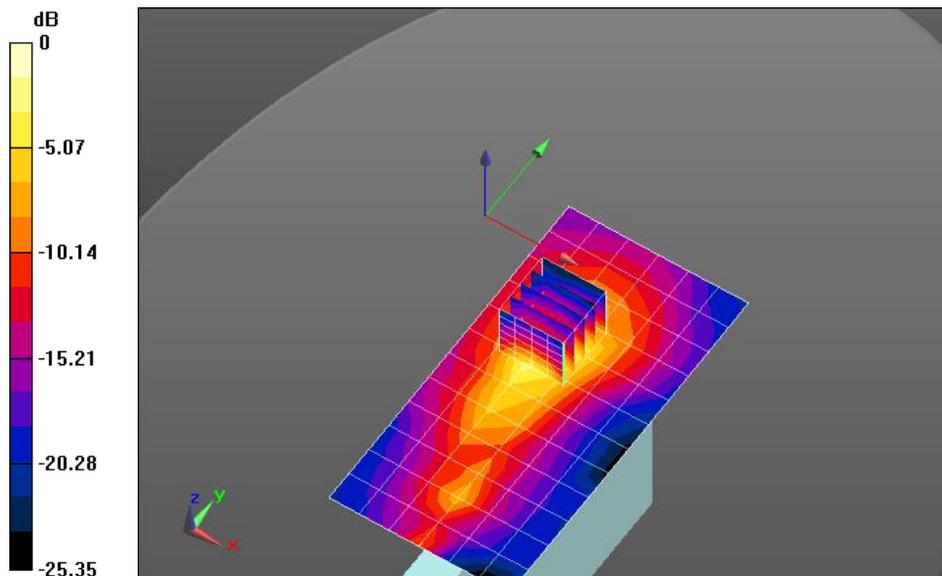
Reference Value = 3.463 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.641 W/kg

**SAR(1 g) = 0.254 W/kg; SAR(10 g) = 0.107 W/kg**

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.345 W/kg



0 dB = 0.292 W/kg = -5.35 dBW/kg

Plot 9

Date/Time: 9/29/2017 5:46:33 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

**DUT: Garmin; Type: Tablet; Serial: IMEI: 356961072228060**

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1852.4 MHz

Medium: MSL1900\_Batch 110615-4

Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.454$  S/m;  $\epsilon_r = 54.222$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

Procedure Notes: Test Technician: John; Air Temperature: 22°C; Medium Temperature: 21°C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3323; ConvF(4.97, 4.97, 4.97); Calibrated: 5/12/2017;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/16/2017
- Phantom: ELI v4.0\_Front; Type: QDOVA001BB; Serial: 1124
- DASYS2 52.8.8(1222);

**9\_29/Back\_No Mount 0mm\_Low/Area Scan (10x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.748 W/kg

**9\_29/Back\_No Mount 0mm\_Low/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

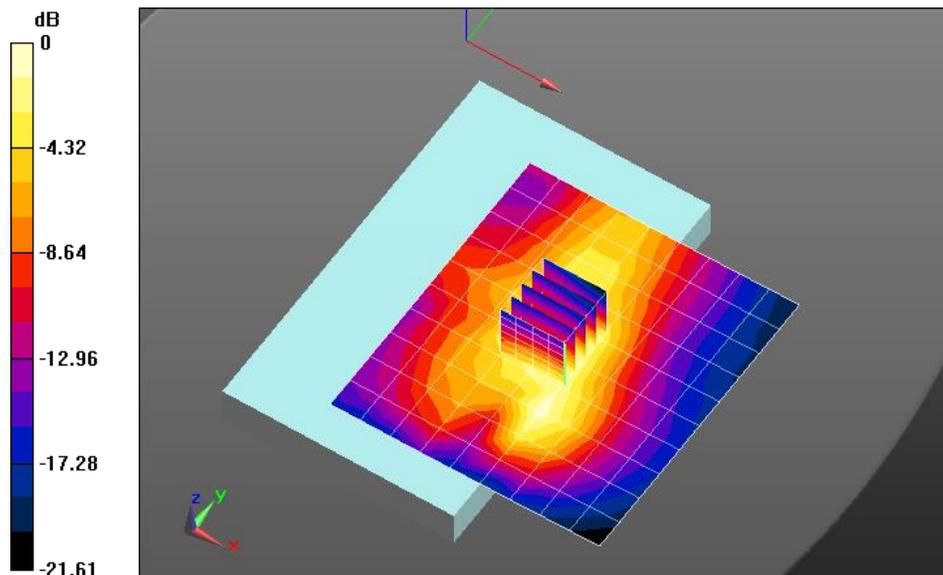
Reference Value = 8.840 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.14 W/kg

**SAR(1 g) = 0.634 W/kg; SAR(10 g) = 0.357 W/kg**

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.790 W/kg



0 dB = 0.748 W/kg = -1.26 dBW/kg

Plot 10 Date/Time: 9/28/2017 1:34:31 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

**DUT: Garmin; Type: Tablet; Serial: IMEI: 356961072228060**

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 836.6 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.943$  S/m;  $\epsilon_r = 56.022$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: John R; Air Temperature: 22.3°C; Medium Temperature: 21.6°C; Comments: ;

## DASY Configuration:

- Probe: ES3DV3 - SN3323; ConvF(6.38, 6.38, 6.38); Calibrated: 5/12/2017;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/16/2017
- Phantom: ELI v4.0\_Front; Type: QDOVA001BB; Serial: 1124
- DASYS5 52.8.8(1222);

**Flat-Section/Back 0mm\_No back mount/Area Scan (10x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.576 W/kg

**Flat-Section/Back 0mm\_No back mount/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm,

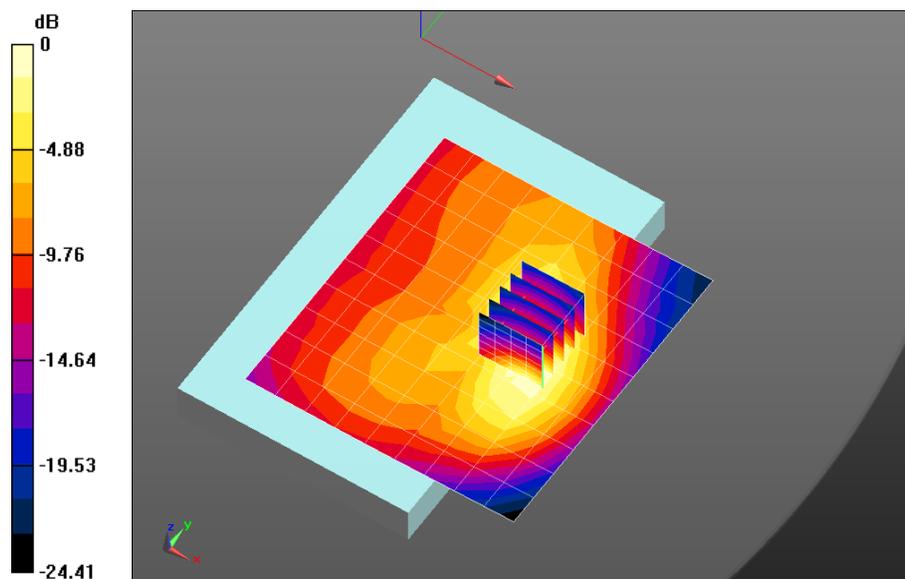
dy=8mm, dz=5mm

Reference Value = 8.443 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.812 W/kg

**SAR(1 g) = 0.514 W/kg; SAR(10 g) = 0.320 W/kg**

Maximum value of SAR (measured) = 0.610 W/kg



0 dB = 0.576 W/kg = -2.40 dBW/kg

Plot 11 Date/Time: 9/29/2017 8:31:06 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

**DUT: Garmin; Type: Tablet; Serial: IMEI: 356961072228060**

Communication System: UID 10175 - CAB, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 1850 MHz

Medium: MSL1900\_Batch 110615-4

Medium parameters used:  $f = 1850$  MHz;  $\sigma = 1.45$  S/m;  $\epsilon_r = 54.235$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

Procedure Notes: Test Technician: John; Air Temperature: 22.1°C; Medium Temperature: 21°C; Comments: ;

## DASY Configuration:

- Probe: ES3DV3 - SN3323; ConvF(4.97, 4.97, 4.97); Calibrated: 5/12/2017;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/16/2017
- Phantom: ELI v4.0\_Front; Type: QDOVA001BB; Serial: 1124
- DASYS2 52.8.8(1222);

**Configuration/Back 0mm\_No Mount 1RB Low/Area Scan (10x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.699 W/kg

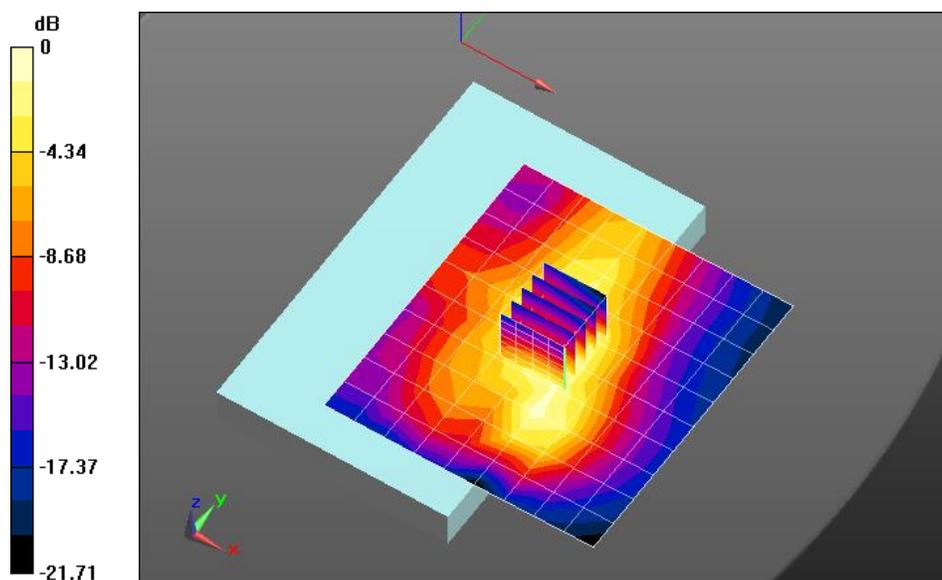
**Configuration/Back 0mm\_No Mount 1RB Low/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 8.384 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.15 W/kg

**SAR(1 g) = 0.647 W/kg; SAR(10 g) = 0.365 W/kg**

Maximum value of SAR (measured) = 0.801 W/kg



0 dB = 0.699 W/kg = -1.55 dBW/kg

Plot 12 Date/Time: 9/17/2017 11:53:59 AM

Test Laboratory: Cetecom Inc. SAR 1 Lab

**DUT: Garmin; Type: Tablet; Serial: IMEI: 356961072228060**

Communication System: UID 10175 - CAB, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 1732.5 MHz

Medium: MSL1750\_Batch 100824-2

Medium parameters used (extrapolated):  $f = 1732.5$  MHz;  $\sigma = 1.434$  S/m;  $\epsilon_r = 54.759$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 21.8°C; Medium Temperature: 21.3°C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3323; ConvF(5.15, 5.15, 5.15); Calibrated: 5/12/2017;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/16/2017
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1092
- DASYS2 52.8.8(1222);

**Flat-Section/Back 0mm\_No Back mount/Area Scan (10x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

[Info: Extrapolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.814 W/kg

**Flat-Section/Back 0mm\_No Back mount/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,

$dy=8$ mm,  $dz=5$ mm

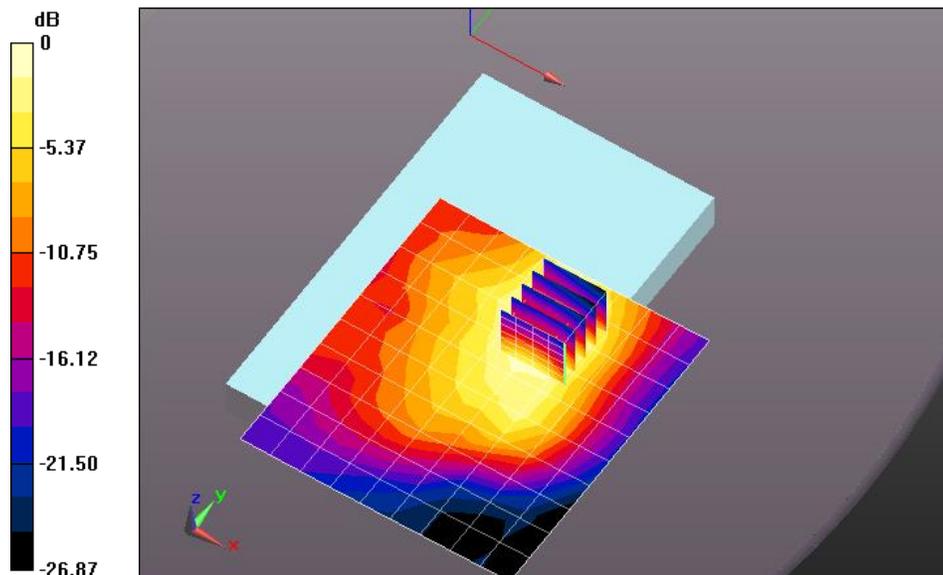
Reference Value = 12.69 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.41 W/kg

**SAR(1 g) = 0.786 W/kg; SAR(10 g) = 0.448 W/kg**

[Info: Extrapolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.982 W/kg



0 dB = 0.814 W/kg = -0.89 dBW/kg

Plot 13 Date/Time: 9/28/2017 2:21:31 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

**DUT: Garmin; Type: Tablet; Serial: IMEI: 356961072228060**

Communication System: UID 10175 - CAB, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 836.5 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used (interpolated):  $f = 836.5$  MHz;  $\sigma = 0.942$  S/m;  $\epsilon_r = 56.027$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

Procedure Notes: Test Technician: John R.; Air Temperature: 22°C; Medium Temperature: 21.4°C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3323; ConvF(6.38, 6.38, 6.38); Calibrated: 5/12/2017;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/16/2017
- Phantom: ELI v4.0\_Front; Type: QDOVA001BB; Serial: 1124
- DASYS2 52.8.8(1222);

**9-28/Back 0mm\_No Mount/Area Scan (10x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.467 W/kg

**9-28/Back 0mm\_No Mount/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

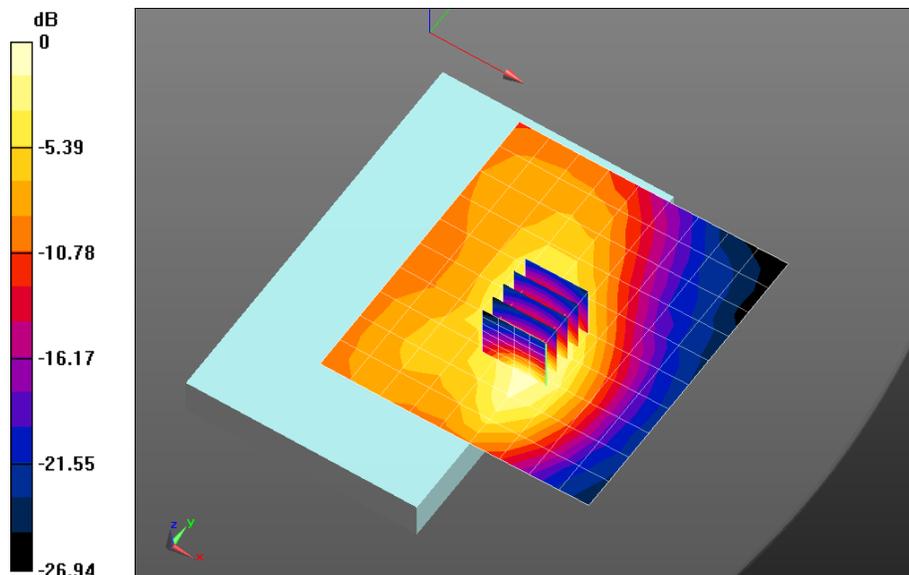
Reference Value = 7.932 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.683 W/kg

**SAR(1 g) = 0.437 W/kg; SAR(10 g) = 0.273 W/kg**

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.521 W/kg



0 dB = 0.467 W/kg = -3.31 dBW/kg

Plot 14 Date/Time: 10/8/2017 8:06:01 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

**DUT: Garmin; Type: Tablet; Serial: IMEI: 35696107228060**

Communication System: UID 10175 - CAB, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 707.5 MHz

Medium: MSL750\_Batch 110526-1

Medium parameters used (interpolated):  $f = 707.5$  MHz;  $\sigma = 0.924$  S/m;  $\epsilon_r = 58.037$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 21.8°C; Medium Temperature: 19.5°C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3323; ConvF(6.49, 6.49, 6.49); Calibrated: 5/12/2017;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/16/2017
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1092
- DASYS2 52.8.8(1222);

**Flat-Section/Back 0mm/Area Scan (10x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.499 W/kg

**Flat-Section/Back 0mm/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

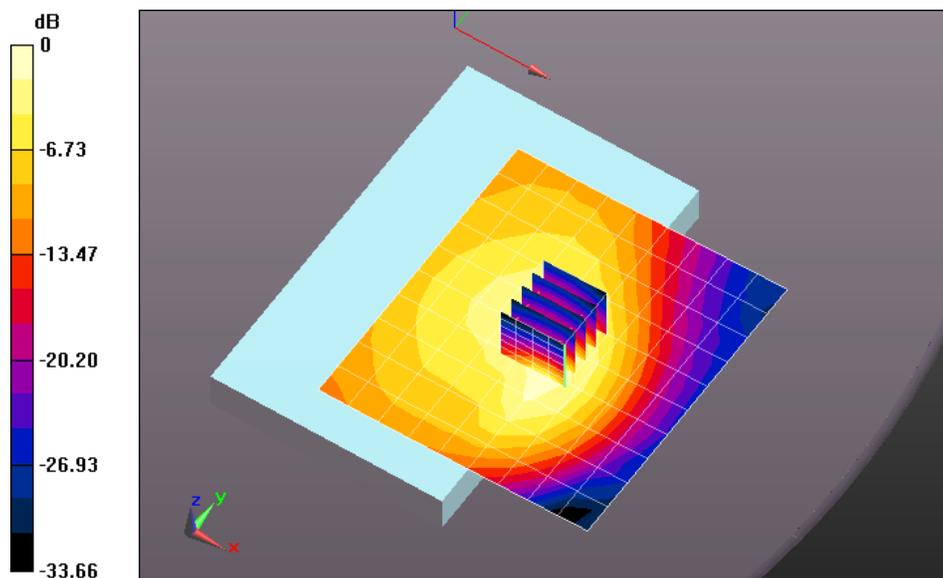
Reference Value = 12.40 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.743 W/kg

**SAR(1 g) = 0.473 W/kg; SAR(10 g) = 0.298 W/kg**

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.566 W/kg



0 dB = 0.499 W/kg = -3.02 dBW/kg

Plot 15 Date/Time: 10/9/2017 4:19:26 AM

Test Laboratory: Cetecom Inc. SAR 1 Lab

**DUT: Garmin; Type: Tablet; Serial: IMEI: 356961072228060**

Communication System: UID 10175 - CAB, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 782 MHz

Medium: MSL750\_Batch 110526-1

Medium parameters used:  $f = 782$  MHz;  $\sigma = 0.997$  S/m;  $\epsilon_r = 57.531$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: John; Air Temperature: 22°C; Medium Temperature: 20°C; Comments: ;

## DASY Configuration:

- Probe: ES3DV3 - SN3323; ConvF(6.49, 6.49, 6.49); Calibrated: 5/12/2017;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/16/2017
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1092
- DASY52 52.8.8(1222);

**Flat-Section/Back 0mm/Area Scan (10x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.602 W/kg

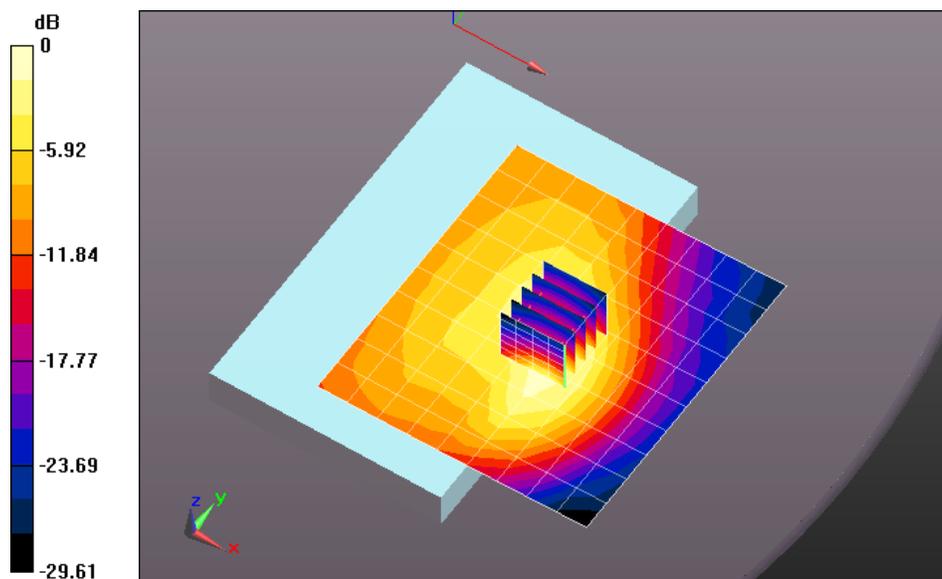
**Flat-Section/Back 0mm/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 11.05 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.870 W/kg

**SAR(1 g) = 0.553 W/kg; SAR(10 g) = 0.344 W/kg**

Maximum value of SAR (measured) = 0.662 W/kg



0 dB = 0.602 W/kg = -2.21 dBW/kg

Plot 16 Date/Time: 9/26/2017 7:48:30 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

**DUT: Garmin; Type: Tablet; Serial: IMEI: 356961072228060**

Communication System: UID 0, 802.11bgn\_100% Duty Cycle (0); Frequency: 2437 MHz

Medium: MSL2450\_Batch 110615-1

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.957$  S/m;  $\epsilon_r = 51.958$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

Procedure Notes: Test Technician: John; Air Temperature: 22°C; Medium Temperature: 20.6°C; Comments: DSSS @ 1Mbps;

DASY Configuration:

- Probe: ES3DV3 - SN3323; ConvF(4.6, 4.6, 4.6); Calibrated: 5/12/2017;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/16/2017
- Phantom: ELI v4.0\_Front; Type: QDOVA001BB; Serial: 1124
- DASY52 52.8.8(1222);

**Configuration/Back without Mount 0mm/Area Scan (10x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.433 W/kg

**Configuration/Back without Mount 0mm/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

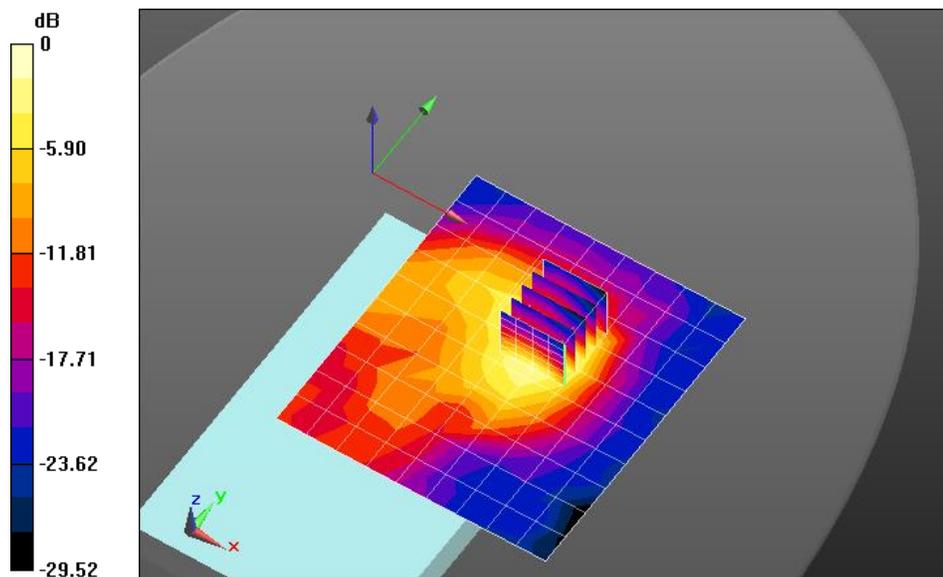
Reference Value = 14.73 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.735 W/kg

**SAR(1 g) = 0.330 W/kg; SAR(10 g) = 0.164 W/kg**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.427 W/kg



0 dB = 0.433 W/kg = -3.64 dBW/kg

Plot 17 Date/Time: 9/14/2017 7:44:23 AM

Test Laboratory: Cetecom Inc. SAR 1 Lab

**DUT: Dipole 1900 MHz - D1900V2 - SN5d135\_April 2016; Type: D1900V2; Serial: D1900V2 - SN:5d135**

Communication System: UID 10000, CW; Frequency: 1900 MHz

Medium: MSL1900\_Batch 110615-4

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.524$  S/m;  $\epsilon_r = 54.517$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 21.8°C; Medium Temperature: 21.3°C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3323; ConvF(4.97, 4.97, 4.97); Calibrated: 5/12/2017;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/16/2017
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1092
- DASY52 52.8.8(1222);

**System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=1W, dist=3.0mm (ES-Probe)/Area Scan (4x4x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 3.18 W/kg

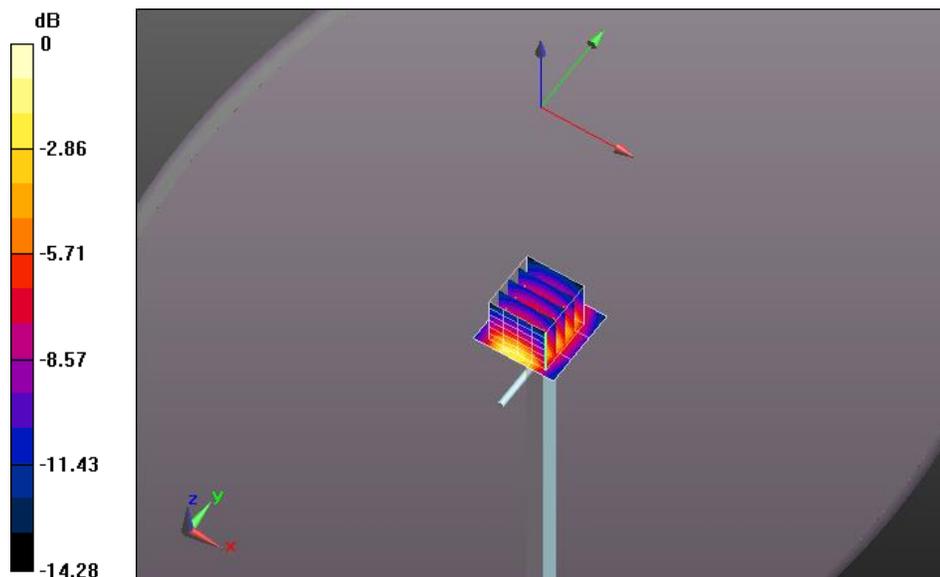
**System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=1W, dist=3.0mm (ES-Probe)/Zoom Scan (7x7x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 55.82 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 6.37 W/kg

**SAR(1 g) = 3.59 W/kg; SAR(10 g) = 1.88 W/kg**

Maximum value of SAR (measured) = 4.54 W/kg



0 dB = 3.18 W/kg = 5.02 dBW/kg

Plot 18 Date/Time: 9/29/2017 5:16:59 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

**DUT: Dipole 1900 MHz - D1900V2 - SN5d135\_April 2016; Type: D1900V2; Serial: D1900V2 - SN:5d135**

Communication System: UID 10000, CW; Frequency: 1900 MHz

Medium: MSL1900\_Batch 110615-4

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.511$  S/m;  $\epsilon_r = 54.12$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 21.8°C; Medium Temperature: 21°C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3323; ConvF(4.97, 4.97, 4.97); Calibrated: 5/12/2017;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/16/2017
- Phantom: ELI v4.0\_Front; Type: QDOVA001BB; Serial: 1124
- DASY52 52.8.8(1222);

**System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=1W, dist=3.0mm (ES-Probe) 2/Area Scan (4x4x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 3.16 W/kg

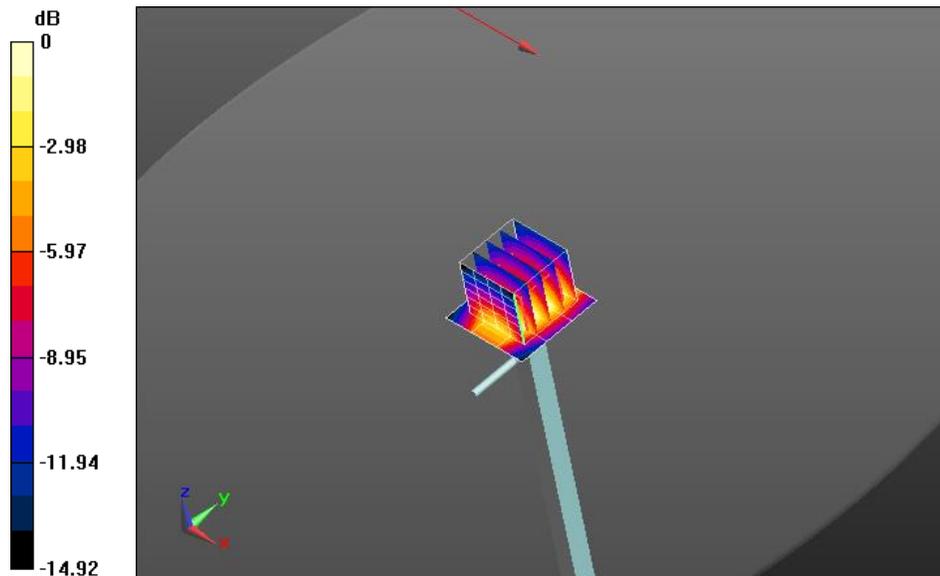
**System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=1W, dist=3.0mm (ES-Probe) 2/Zoom Scan (7x7x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 55.94 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 6.36 W/kg

**SAR(1 g) = 3.58 W/kg; SAR(10 g) = 1.87 W/kg**

Maximum value of SAR (measured) = 4.51 W/kg



0 dB = 3.16 W/kg = 4.99 dBW/kg

Plot 19 Date/Time: 9/15/2017 7:17:55 AM

Test Laboratory: Cetecom Inc. SAR 1 Lab

**DUT: Dipole 1900 MHz - D1900V2 - SN5d135\_April 2016; Type: D1900V2; Serial: D1900V2 - SN:5d135**

Communication System: UID 10000, CW; Frequency: 1900 MHz

Medium: MSL1900\_Batch 110615-4

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.516$  S/m;  $\epsilon_r = 54.223$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 21.8°C; Medium Temperature: 20.2°C; Comments :

DASY Configuration:

- Probe: ES3DV3 - SN3323; ConvF(4.97, 4.97, 4.97); Calibrated: 5/12/2017;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/16/2017
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1092
- DASYS2 52.8.8(1222);

**System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=1W, dist=3.0mm (ES-Probe)/Area Scan (4x4x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 3.36 W/kg

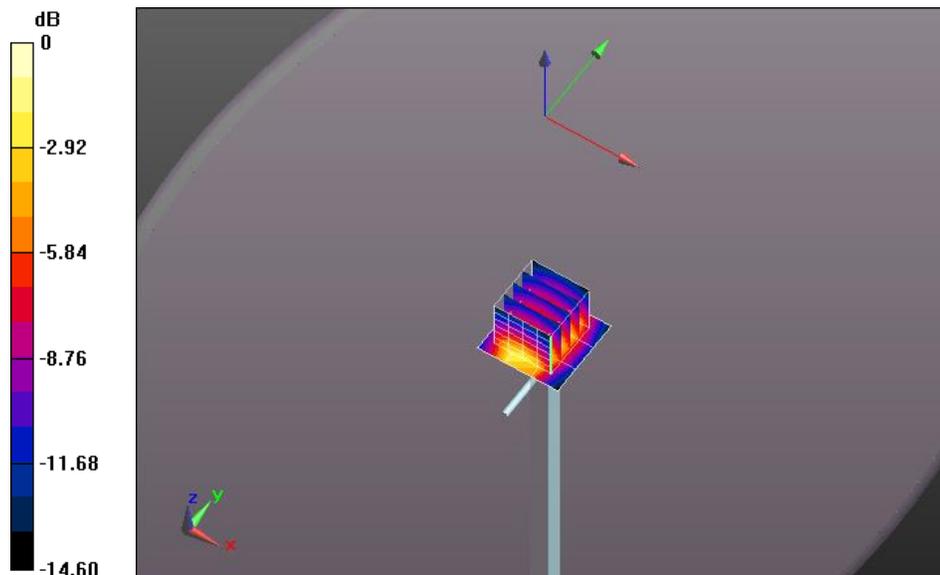
**System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=1W, dist=3.0mm (ES-Probe)/Zoom Scan (7x7x7) (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 54.79 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 6.34 W/kg

**SAR(1 g) = 3.54 W/kg; SAR(10 g) = 1.85 W/kg**

Maximum value of SAR (measured) = 4.49 W/kg



0 dB = 3.36 W/kg = 5.27 dBW/kg

Plot 20 Date/Time: 9/12/2017 7:23:19 AM

Test Laboratory: Cetecom Inc. SAR 1 Lab

**DUT: Dipole 835 MHz - D835V2 - SN4d113\_April 2016; Type: D835V2; Serial: D835V2 - SN:4d113**

Communication System: UID 0, CW (0); Frequency: 835 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.943 \text{ S/m}$ ;  $\epsilon_r = 56.415$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: John R; Air Temperature: 22.5°C; Medium Temperature: 21.8°C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3323; ConvF(6.38, 6.38, 6.38); Calibrated: 5/12/2017;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/16/2017
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1092
- DASY52 52.8.8(1222);

**System Performance Check 835 MHz Body/d=10mm, Pin=1W, dist=3.0mm (ES-Probe)/Area**

**Scan (4x4x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.972 W/kg

**System Performance Check 835 MHz Body/d=10mm, Pin=1W, dist=3.0mm (ES-Probe)/Zoom**

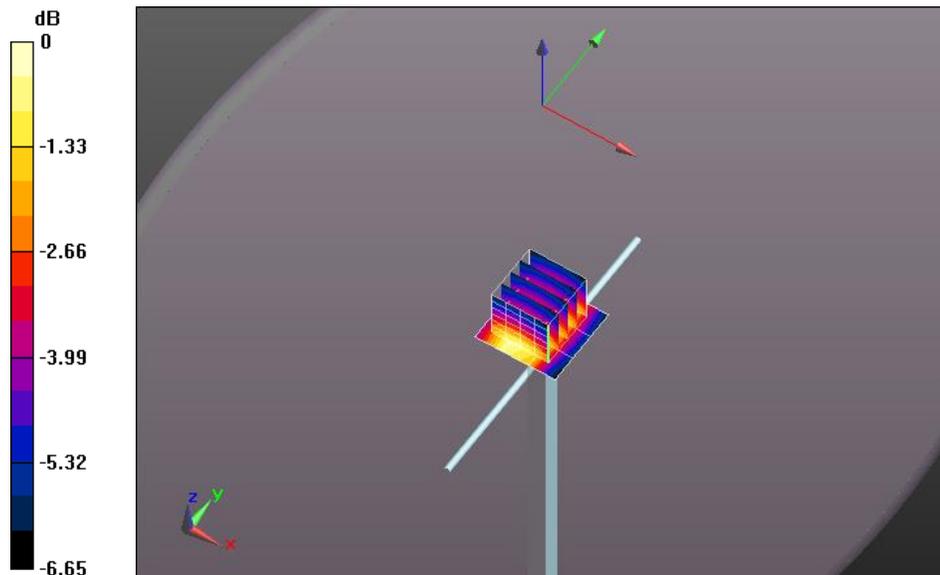
**Scan (7x7x7) (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 34.04 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.29 W/kg

**SAR(1 g) = 0.904 W/kg; SAR(10 g) = 0.606 W/kg**

Maximum value of SAR (measured) = 1.04 W/kg



0 dB = 0.972 W/kg = -0.12 dBW/kg

Plot 21 Date/Time: 9/27/2017 4:09:42 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

**DUT: Dipole 835 MHz - D835V2 - SN4d113\_April 2016; Type: D835V2; Serial: D835V2 - SN:4d113**

Communication System: UID 0, CW (0); Frequency: 835 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.941 \text{ S/m}$ ;  $\epsilon_r = 56.063$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: John; Air Temperature: 22.8°C; Medium Temperature: 22°C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3323; ConvF(6.38, 6.38, 6.38); Calibrated: 5/12/2017;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/16/2017
- Phantom: ELI v4.0\_Front; Type: QDOVA001BB; Serial: 1124
- DASY52 52.8.8(1222);

**System Performance Check 835 MHz Body/d=10mm, Pin=1W, dist=3.0mm (ES-Probe)/Area**

**Scan (4x4x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.991 W/kg

**System Performance Check 835 MHz Body/d=10mm, Pin=1W, dist=3.0mm (ES-Probe)/Zoom**

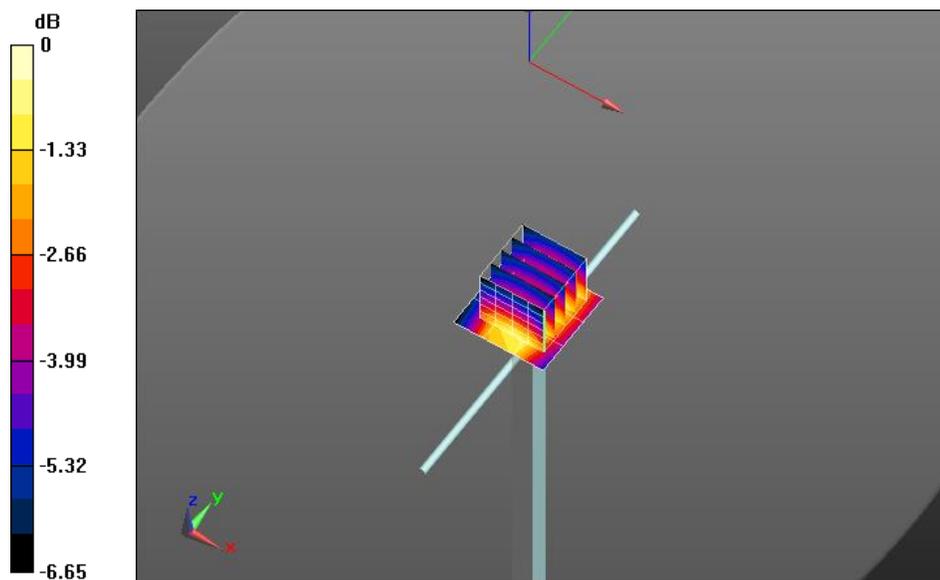
**Scan (7x7x7) (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 34.28 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.34 W/kg

**SAR(1 g) = 0.937 W/kg; SAR(10 g) = 0.626 W/kg**

Maximum value of SAR (measured) = 1.08 W/kg



0 dB = 0.991 W/kg = -0.04 dBW/kg

Plot 22 Date/Time: 9/17/2017 8:11:36 AM

Test Laboratory: Cetecom Inc. SAR 1 Lab

**DUT: Dipole 1750 MHz - D1750V2 - SN1045\_April 2016; Type: D1750V2; Serial: D1750V2 - SN:1045**

Communication System: UID 0, CW; Frequency: 1750 MHz

Medium: MSL1750\_Batch 100824-2

Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.45$  S/m;  $\epsilon_r = 54.699$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 22.2°C; Medium Temperature: 21.2°C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3323; ConvF(5.15, 5.15, 5.15); Calibrated: 5/12/2017;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/16/2017
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1092
- DASYS2 52.8.8(1222);

**System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=.1W, dist=3.0mm**

**(ES-Probe)/Area Scan (4x4x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 3.28 W/kg

**System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=.1W, dist=3.0mm**

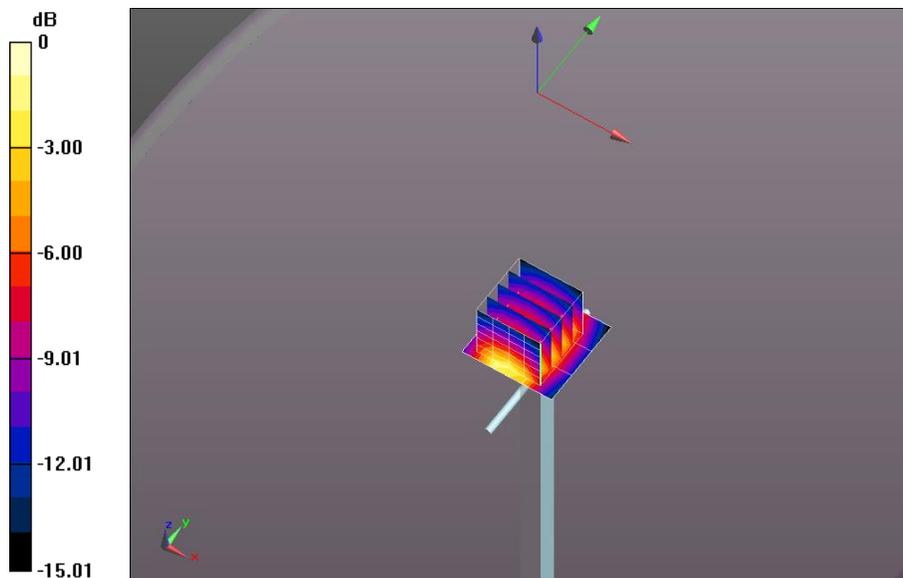
**(ES-Probe)/Zoom Scan (7x7x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 54.27 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 5.89 W/kg

**SAR(1 g) = 3.33 W/kg; SAR(10 g) = 1.77 W/kg**

Maximum value of SAR (measured) = 4.21 W/kg



0 dB = 3.28 W/kg = 5.16 dBW/kg

Plot 23 Date/Time: 10/8/2017 7:05:26 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

**DUT: Dipole 750 MHz - D750V3 - SN1032\_April 2016; Type: D750V3; Serial: D750V3 - SN:1032**

Communication System: UID 0, CW (0); Frequency: 750 MHz

Medium: MSL750\_Batch 110526-1

Medium parameters used:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.963 \text{ S/m}$ ;  $\epsilon_r = 57.742$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

Procedure Notes: Test Technician: ; Air Temperature: ; Medium Temperature: ; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3323; ConvF(6.49, 6.49, 6.49); Calibrated: 5/12/2017;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/16/2017
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1092
- DASYS 52.8.8(1222);

**System Performance Check 750 MHz Head/d=10mm, Pin=1W, dist=3.0mm (ES-Probe)/Area**

**Scan (4x4x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.895 W/kg

**System Performance Check 750 MHz Head/d=10mm, Pin=1W, dist=3.0mm (ES-Probe)/Zoom**

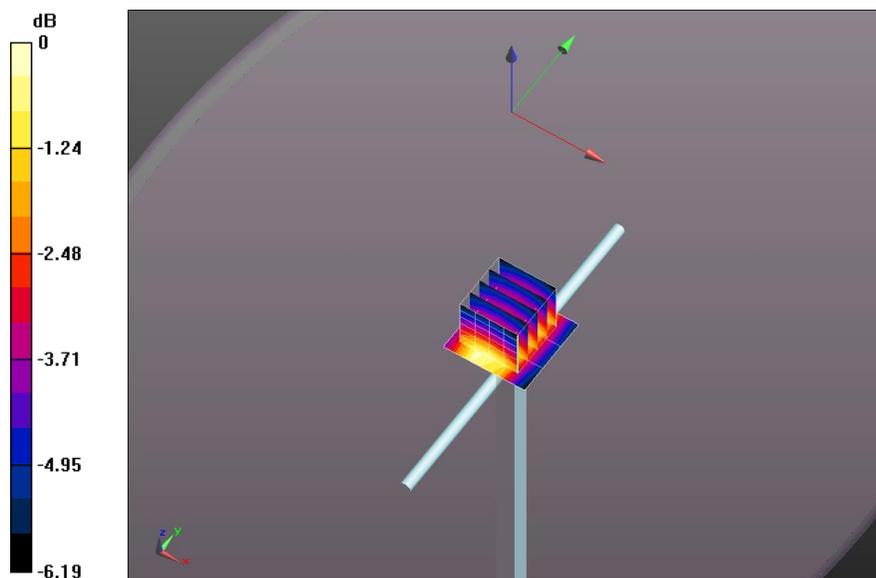
**Scan (7x7x7) (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 32.67 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.17 W/kg

**SAR(1 g) = 0.824 W/kg; SAR(10 g) = 0.556 W/kg**

Maximum value of SAR (measured) = 0.952 W/kg



0 dB = 0.895 W/kg = -0.48 dBW/kg

Plot 24 Date/Time: 9/26/2017 6:16:18 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

**DUT: Dipole 2450 MHz - D2450V2 - SN859\_April 2016; Type: D2450V2; Serial: D2450V2 - SN:859**

Communication System: UID 10000, CW; Frequency: 2450 MHz

Medium: MSL2450\_Batch 110615-1

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.974$  S/m;  $\epsilon_r = 51.918$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: John; Air Temperature: 21.5°C; Medium Temperature: 20.3°C; Comments: ;

## DASY Configuration:

- Probe: ES3DV3 - SN3323; ConvF(4.6, 4.6, 4.6); Calibrated: 5/12/2017;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 5/16/2017
- Phantom: ELI v4.0\_Front; Type: QDOVA001BB; Serial: 1124
- DASY52 52.8.8(1222);

**System Performance Check/d=10mm, Pin=0.1W/Area Scan (6x6x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 5.75 W/kg

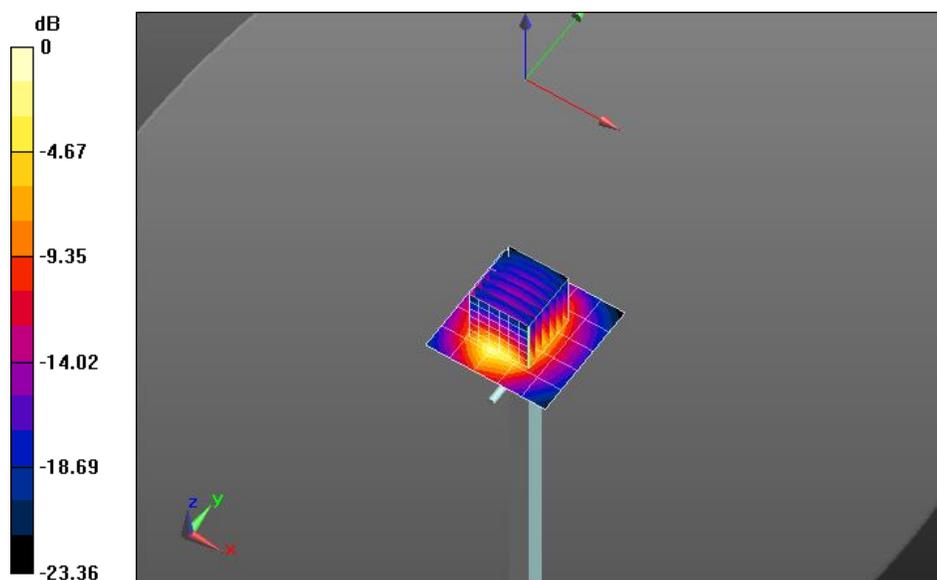
**System Performance Check/d=10mm, Pin=0.1W/Zoom Scan (7x7x7) (7x7x7)/Cube 0:**Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 56.22 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 10.4 W/kg

**SAR(1 g) = 4.85 W/kg; SAR(10 g) = 2.21 W/kg**

Maximum value of SAR (measured) = 6.40 W/kg



0 dB = 5.75 W/kg = 7.60 dBW/kg

Plot 25 Date/Time: 9/7/2017 9:26:44 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

**DUT: Dipole 835 MHz - D835V2 - SN4d113\_April 2016; Type: D835V2; Serial: D835V2 - SN:4d113**

Communication System: UID 0, CW (0); Frequency: 835 MHz

Medium: MSL900\_Batch 110518-7

Medium parameters used (interpolated):  $f = 835 \text{ MHz}$ ;  $\sigma = 0.94 \text{ S/m}$ ;  $\epsilon_r = 56.587$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John R; Air Temperature: 23<sup>±</sup>C; Medium Temperature: 21.2<sup>±</sup>C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3323; ConvF(6.14, 6.14, 6.14); Calibrated: 4/28/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 4/9/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1092
- DASYS2 52.8.8(1222);

**System Performance Check 835 MHz Body/d=10mm, Pin=1W, dist=3.0mm (ES-Probe)/Area Scan (4x4x1):** Measurement grid: dx=15mm, dy=15mm

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.949 W/kg

**System Performance Check 835 MHz Body/d=10mm, Pin=1W, dist=3.0mm (ES-Probe)/Zoom Scan (7x7x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

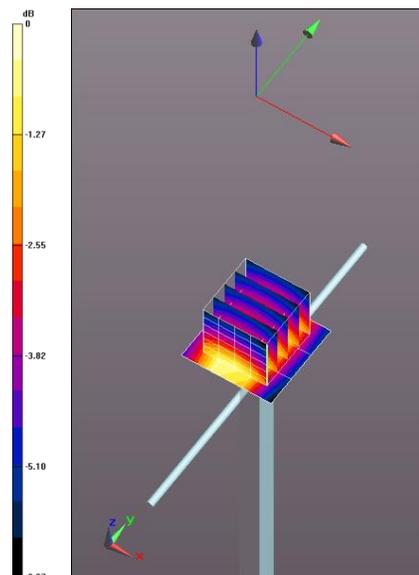
Reference Value = 34.61 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.33 W/kg

**SAR(1 g) = 0.931 W/kg; SAR(10 g) = 0.624 W/kg**

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.07 W/kg



0 dB = 0.949 W/kg = -0.23 dBW/kg