

Plot 1

Date/Time: 10/28/2015 7:52:03 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: TwisThink; Type: Sample; Serial: IMEI:35733005.061984.0.10

Communication System: GPRS-FDD (TDMA, GMSK, TN 0-1); Frequency: 836.6 MHz

Medium: MSL900_Batch 100818-1

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.995$ mho/m; $\epsilon_r = 53.634$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 21.1C; Medium Temperature: 20.7C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3260; ConvF(6.14, 6.14, 6.14); Calibrated: 3/19/2014;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1233; Calibrated: 3/17/2014
- Phantom: SAM; Type: QD 000 P40 CC; Serial: 1592
- DASY52 52.8.1(838);

Flat-Section_10-28-2015/Front_0mm/Area Scan (9x10x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

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

Maximum value of SAR (measured) = 1.01 mW/g

Flat-Section_10-28-2015/Front_0mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

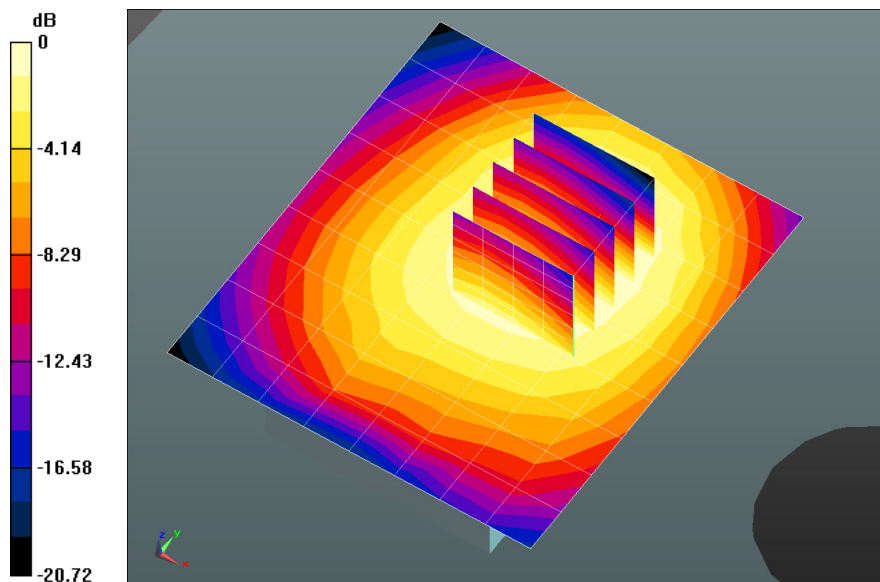
Reference Value = 30.038 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.190 mW/g

SAR(1 g) = 0.924 mW/g; SAR(10 g) = 0.690 mW/g

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

Maximum value of SAR (measured) = 1.02 mW/g



0 dB = 1.01 mW/g = 0.13 dB mW/g

Plot 2 Date/Time: 10/28/2015 9:53:48 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: TwisThink; Type: Sample; Serial: IMEI:35733005.061984.0.10

Communication System: GPRS-FDD (TDMA, GMSK, TN 0-1); Frequency: 836.6 MHz

Medium: MSL900_Batch 100818-1

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.995$ mho/m; $\epsilon_r = 53.634$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 21.2C; Medium Temperature: 20.5C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3260; ConvF(6.14, 6.14, 6.14); Calibrated: 3/19/2014;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1233; Calibrated: 3/17/2014
- Phantom: SAM; Type: QD 000 P40 CC; Serial: 1592
- DASY52 52.8.1(838);

Flat-Section_10-28-2015/Back_0mm/Area Scan (9x10x1): Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 1.62 mW/g

Flat-Section_10-28-2015/Back_0mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

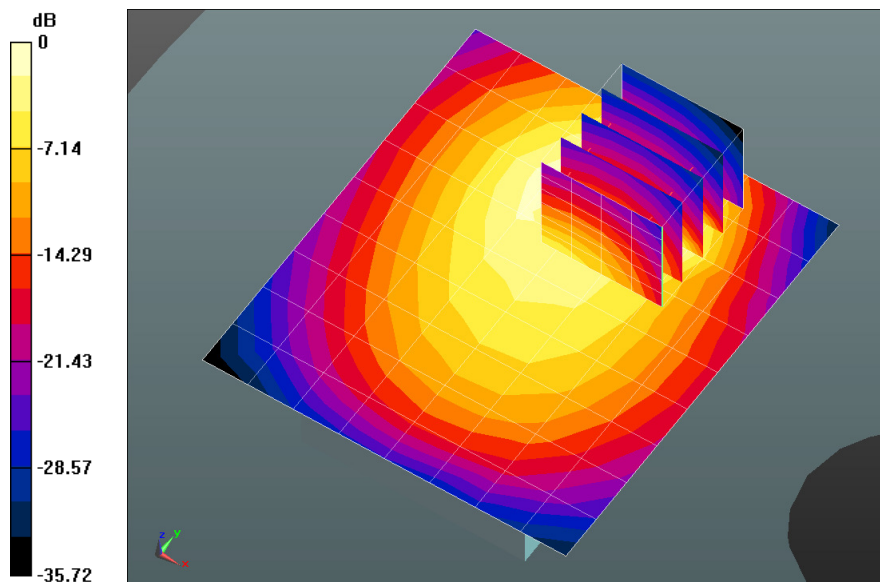
Reference Value = 23.392 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 3.312 mW/g

SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.550 mW/g

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

Maximum value of SAR (measured) = 1.47 mW/g



0 dB = 1.62 mW/g = 4.17 dB mW/g

Plot 3

Date/Time: 10/28/2015 10:09:33 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: TwisThink; Type: Sample; Serial: IMEI:35733005.061984.0.10

Communication System: GPRS-FDD (TDMA, GMSK, TN 0-1); Frequency: 824.2 MHz

Medium: MSL900_Batch 100818-1

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.982$ mho/m; $\epsilon_r = 53.82$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 21.3C; Medium Temperature: 20.5C; Comments: ;

DASY Configuration:

Probe: ES3DV3 - SN3260; ConvF(6.14, 6.14, 6.14); Calibrated: 3/19/2014;

Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$

Electronics: DAE4 Sn1233; Calibrated: 3/17/2014

Phantom: SAM; Type: QD 000 P40 CC; Serial: 1592

DASY52 52.8.1(838);

Flat-Section_10-28-2015/WC_Back_0mm_Low/Area Scan (9x10x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

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

Maximum value of SAR (measured) = 1.77 mW/g

Flat-Section_10-28-2015/WC_Back_0mm_Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

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

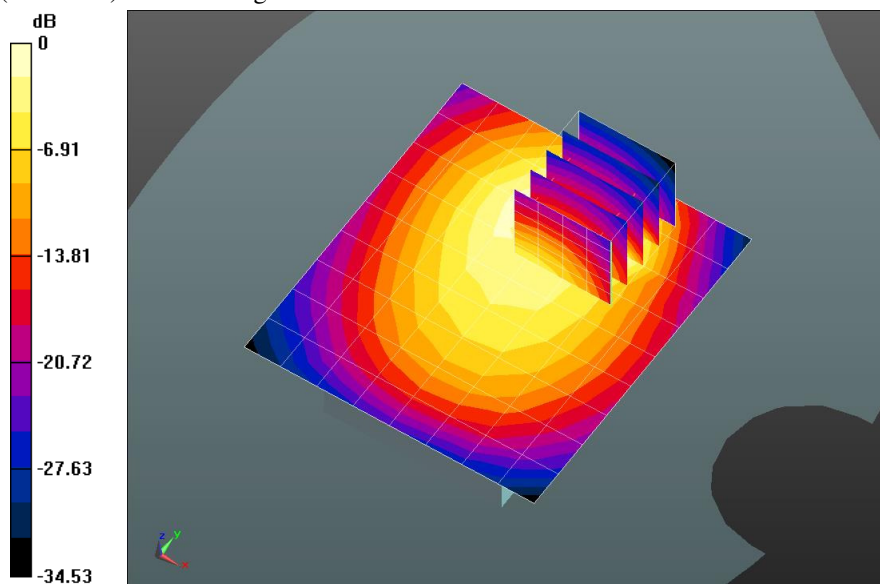
Reference Value = 25.534 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 3.659 mW/g

SAR(1 g) = 1.28 mW/g; SAR(10 g) = 0.614 mW/g

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

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



0 dB = 1.77 mW/g = 4.96 dB mW/g

Plot 4

Date/Time: 10/28/2015 10:53:13 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: TwisThink; Type: Sample; Serial: IMEI:35733005.061984.0.10

Communication System: GPRS-FDD (TDMA, GMSK, TN 0-1); Frequency: 848.6 MHz

Medium: MSL900_Batch 100818-1

Medium parameters used: $f = 849$ MHz; $\sigma = 1.009$ mho/m; $\epsilon_r = 53.479$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 21.6C; Medium Temperature: 20.4C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3260; ConvF(6.14, 6.14, 6.14); Calibrated: 3/19/2014;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1233; Calibrated: 3/17/2014
- Phantom: SAM; Type: QD 000 P40 CC; Serial: 1592
- DASY52 52.8.1(838);

Flat-Section_10-28-2015/WC_Back_0mm_High/Area Scan (9x10x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.35 mW/g

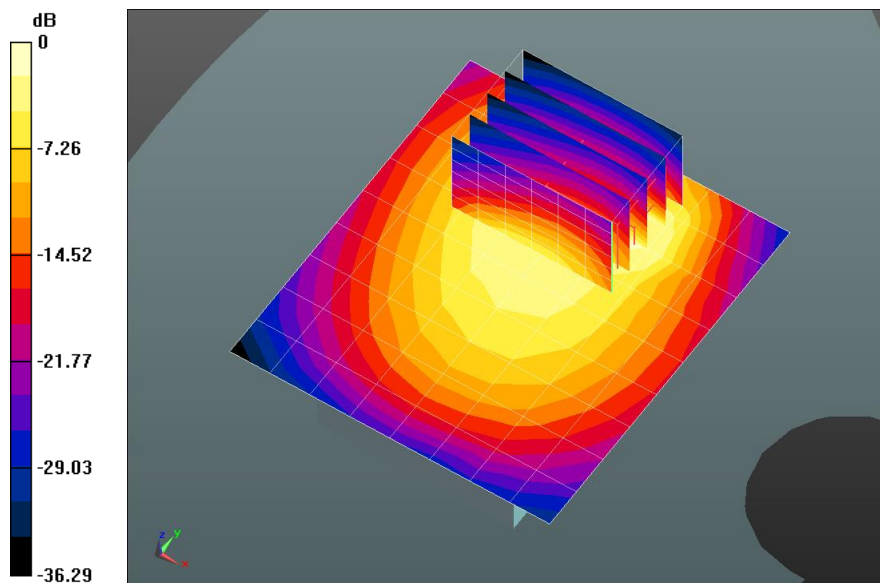
Flat-Section_10-28-2015/WC_Back_0mm_High/Zoom Scan (7x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.274 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 2.719 mW/g

SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.531 mW/g

Maximum value of SAR (measured) = 1.32 mW/g



0 dB = 1.35 mW/g = 2.58 dB mW/g

Plot 5 Date/Time: 10/28/2015 11:11:06 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: TwisThink; Type: Sample; Serial: IMEI:35733005.061984.0.10

Communication System: GPRS-FDD (TDMA, GMSK, TN 0-1); Frequency: 836.6 MHz

Medium: MSL900_Batch 100818-1

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.995$ mho/m; $\epsilon_r = 53.634$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 21C; Medium Temperature: 20.4C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3260; ConvF(6.14, 6.14, 6.14); Calibrated: 3/19/2014;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1233; Calibrated: 3/17/2014
- Phantom: SAM; Type: QD 000 P40 CC; Serial: 1592
- DASY52 52.8.1(838);

Flat-Section_10-28-2015/WC_Back_0mm_Repeatability/Area Scan (9x10x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

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

Maximum value of SAR (measured) = 1.48 mW/g

Flat-Section_10-28-2015/WC_Back_0mm_Repeatability/Zoom Scan (7x6x7)/Cube 0:

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

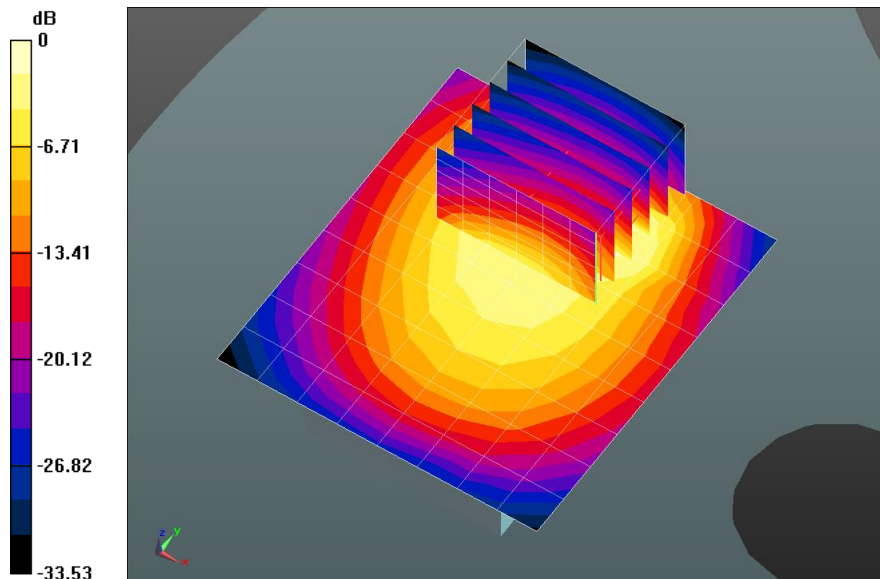
Reference Value = 24.932 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 3.124 mW/g

SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.599 mW/g

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

Maximum value of SAR (measured) = 1.65 mW/g



0 dB = 1.48 mW/g = 3.41 dB mW/g

Plot 6 Date/Time: 10/28/2015 12:23:00 AM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: TwisThink; Type: Sample; Serial: IMEI:35733005.061984.0.10

Communication System: GPRS-FDD (TDMA, GMSK, TN 0-1); Frequency: 1880 MHz

Medium: MSL1900_Batch 110530-3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.526$ mho/m; $\epsilon_r = 51.956$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 20.8C; Medium Temperature: 19.6C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3260; ConvF(4.69, 4.69, 4.69); Calibrated: 3/19/2014;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1233; Calibrated: 3/17/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: xxxx
- DASY52 52.8.1(838);

Flat-Section_10-27-2015/Front_0mm/Area Scan (9x10x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.657 mW/g

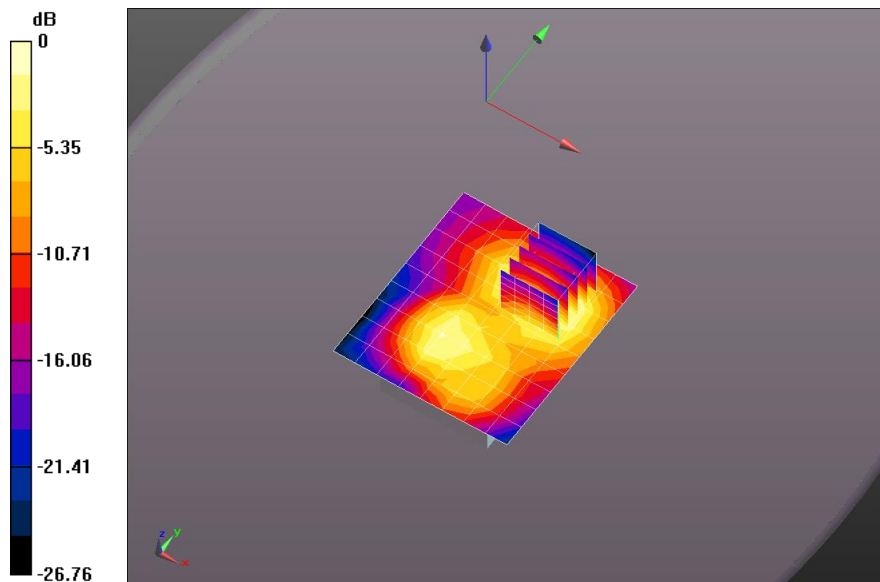
Flat-Section_10-27-2015/Front_0mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 9.973 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.964 mW/g

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

Maximum value of SAR (measured) = 0.690 mW/g



0 dB = 0.657 mW/g = -3.65 dB mW/g

Plot 7

Date/Time: 10/28/2015 1:35:21 AM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: TwisThink; Type: Sample; Serial: IMEI:35733005.061984.0.10

Communication System: GPRS-FDD (TDMA, GMSK, TN 0-1); Frequency: 1880 MHz

Medium: MSL1900_Batch 110530-3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.526$ mho/m; $\epsilon_r = 51.956$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 20.9C; Medium Temperature: 19.5C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3260; ConvF(4.69, 4.69, 4.69); Calibrated: 3/19/2014;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1233; Calibrated: 3/17/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: xxxx
- DASY52 52.8.1(838);

Flat-Section_10-27-2015/Back_0mm/Area Scan (9x10x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.20 mW/g

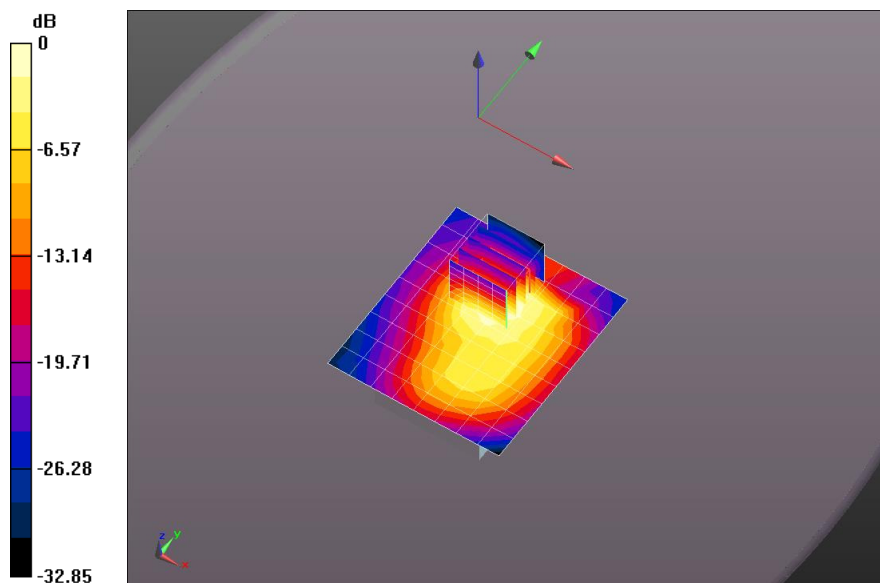
Flat-Section_10-27-2015/Back_0mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.932 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 2.547 mW/g

SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.552 mW/g

Maximum value of SAR (measured) = 1.31 mW/g



0 dB = 1.20 mW/g = 1.57 dB mW/g

Plot 8

Date/Time: 10/28/2015 1:50:07 AM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: TwisThink; Type: Sample; Serial: IMEI:35733005.061984.0.10

Communication System: GPRS-FDD (TDMA, GMSK, TN 0-1); Frequency: 1850.2 MHz

Medium: MSL1900_Batch 110530-3

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.491$ mho/m; $\epsilon_r = 52.043$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 21C; Medium Temperature: 19.5C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3260; ConvF(4.69, 4.69, 4.69); Calibrated: 3/19/2014;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1233; Calibrated: 3/17/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: xxxx
- DASYS2 52.8.1(838);

Flat-Section_10-27-2015/WC_Back_0mm_Low/Area Scan (9x10x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

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

Maximum value of SAR (measured) = 1.19 mW/g

Flat-Section_10-27-2015/WC_Back_0mm_Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

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

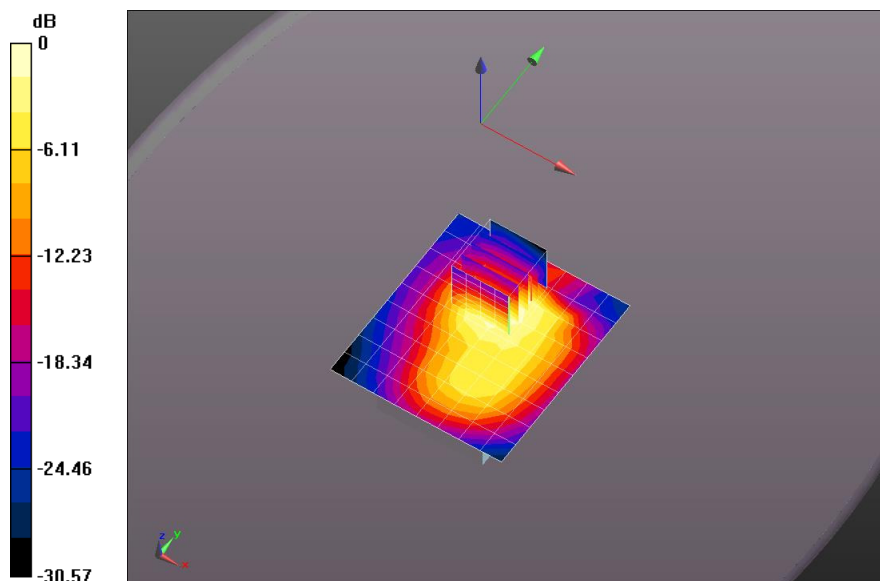
Reference Value = 16.259 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 2.610 mW/g

SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.575 mW/g

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

Maximum value of SAR (measured) = 1.38 mW/g



0 dB = 1.19 mW/g = 1.49 dB mW/g

Plot 9 Date/Time: 10/28/2015 2:03:04 AM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: TwisThink; Type: Sample; Serial: IMEI:35733005.061984.0.10

Communication System: GPRS-FDD (TDMA, GMSK, TN 0-1); Frequency: 1909.8 MHz

Medium: MSL1900_Batch 110530-3

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.561$ mho/m; $\epsilon_r = 51.837$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 21.4C; Medium Temperature: 19.5C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3260; ConvF(4.69, 4.69, 4.69); Calibrated: 3/19/2014;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1233; Calibrated: 3/17/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: xxxx
- DASY52 52.8.1(838);

Flat-Section_10-27-2015/WC_Back_0mm_High/Area Scan (9x10x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.20 mW/g

Flat-Section_10-27-2015/WC_Back_0mm_High/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

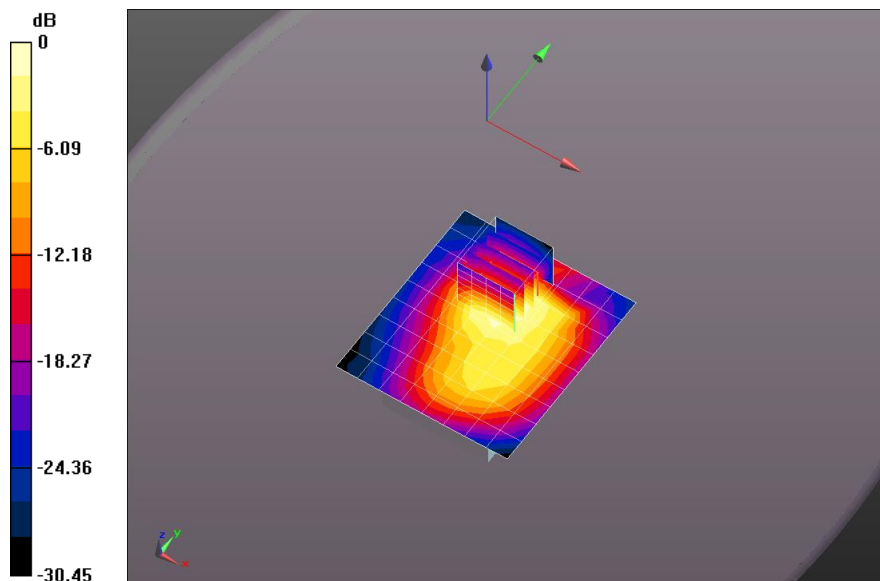
dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.923 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 2.712 mW/g

SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.556 mW/g

Maximum value of SAR (measured) = 1.35 mW/g



0 dB = 1.20 mW/g = 1.58 dB mW/g

Plot 10 Date/Time: 10/28/2015 2:20:53 AM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: TwisThink; Type: Sample; Serial: IMEI:35733005.061984.0.10

Communication System: GPRS-FDD (TDMA, GMSK, TN 0-1); Frequency: 1880 MHz

Medium: MSL1900_Batch 110530-3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.526$ mho/m; $\epsilon_r = 51.956$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 21.6C; Medium Temperature: 19.5C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3260; ConvF(4.69, 4.69, 4.69); Calibrated: 3/19/2014;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1233; Calibrated: 3/17/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: xxxx
- DASY52 52.8.1(838);

Flat-Section_10-27-2015/WC_Back_0mm_Repeatability/Area Scan (9x10x1): Measurement grid:

$dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 1.24 mW/g

Flat-Section_10-27-2015/WC_Back_0mm_Repeatability/Zoom Scan (5x5x7)/Cube 0:

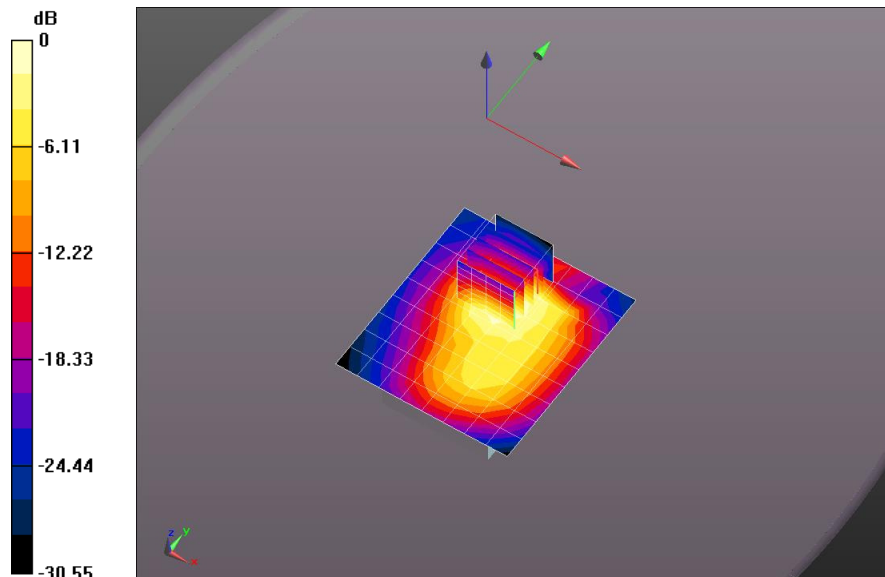
Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 16.344 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 2.699 mW/g

SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.588 mW/g

Maximum value of SAR (measured) = 1.41 mW/g



0 dB = 1.24 mW/g = 1.89 dB mW/g

Plot 11 Date/Time: 10/29/2015 1:07:47 AM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: TwisThink; Type: Sample; Serial: IMEI:35733005.061984.0.10

Communication System: UMTS-FDD (WCDMA); Frequency: 836.6 MHz

Medium: MSL900_Batch 100818-1

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.995$ mho/m; $\epsilon_r = 53.634$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 21.2C; Medium Temperature: 20.4C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3260; ConvF(6.14, 6.14, 6.14); Calibrated: 3/19/2014;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1233; Calibrated: 3/17/2014
- Phantom: SAM; Type: QD 000 P40 CC; Serial: 1592
- DASY52 52.8.1(838);

Flat-Section_10-28-2015/Front_0mm/Area Scan (9x10x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

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

Maximum value of SAR (measured) = 0.908 mW/g

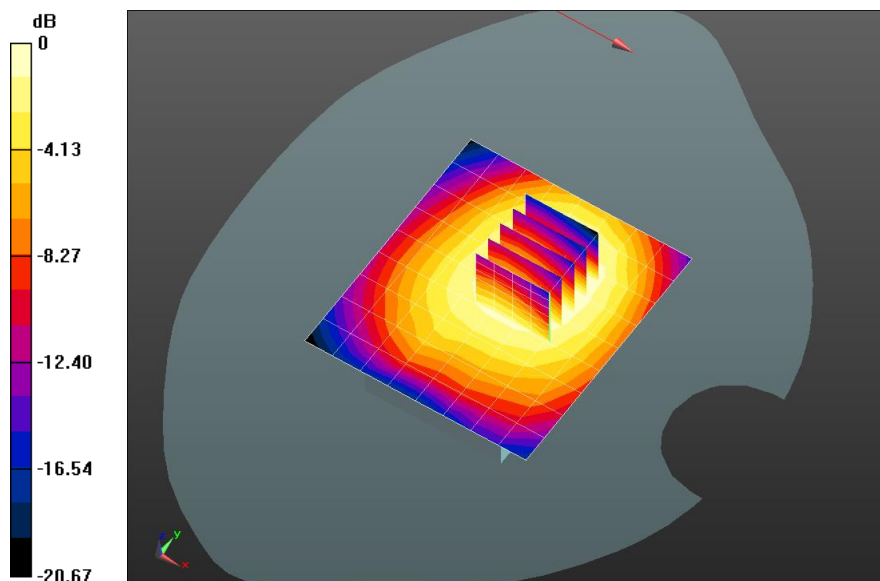
Flat-Section_10-28-2015/Front_0mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 28.407 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.054 mW/g

SAR(1 g) = 0.826 mW/g; SAR(10 g) = 0.619 mW/g

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



0 dB = 0.908 mW/g = -0.84 dB mW/g

Plot 12 Date/Time: 10/29/2015 5:20:43 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: TwisThink; Type: Sample; Serial: IMEI:35733005.061984.0.10

Communication System: UMTS-FDD (WCDMA); Frequency: 836.6 MHz

Medium: MSL900_Batch 100818-1

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.995$ mho/m; $\epsilon_r = 53.634$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

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

DASY Configuration:

- Probe: ES3DV3 - SN3260; ConvF(6.14, 6.14, 6.14); Calibrated: 3/19/2014;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1233; Calibrated: 3/17/2014
- Phantom: SAM; Type: QD 000 P40 CC; Serial: 1592
- DASY52 52.8.1(838);

Flat-Section_10-28-2015/Back_0mm/Area Scan (9x10x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

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

Maximum value of SAR (measured) = 1.49 mW/g

Flat-Section_10-28-2015/Back_0mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

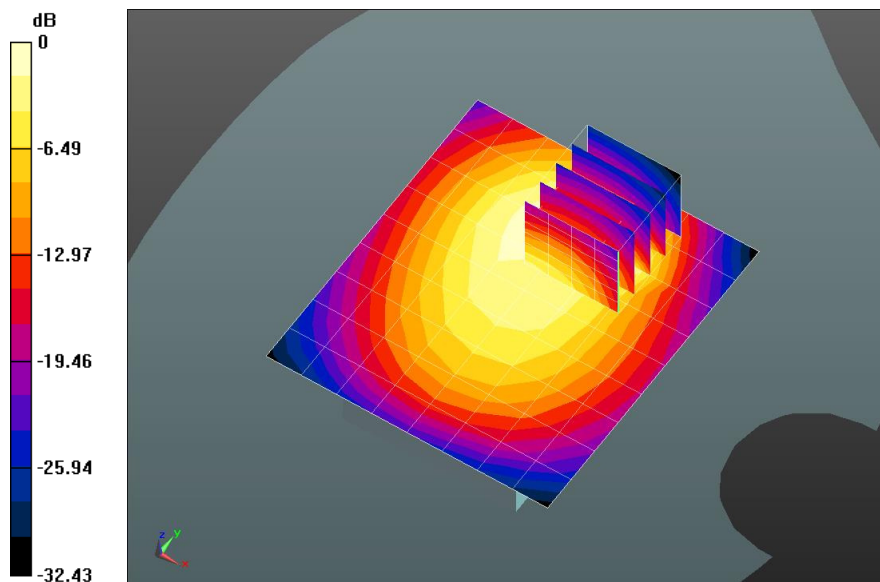
Reference Value = 26.411 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 2.802 mW/g

SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.581 mW/g

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

Maximum value of SAR (measured) = 1.51 mW/g



0 dB = 1.49 mW/g = 3.48 dB mW/g

Plot 13 Date/Time: 10/29/2015 5:39:01 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: TwisThink; Type: Sample; Serial: IMEI:35733005.061984.0.10

Communication System: UMTS-FDD (WCDMA); Frequency: 826.4 MHz

Medium: MSL900_Batch 100818-1

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.984$ mho/m; $\epsilon_r = 53.785$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 22.2C; Medium Temperature: 20.3C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3260; ConvF(6.14, 6.14, 6.14); Calibrated: 3/19/2014;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1233; Calibrated: 3/17/2014
- Phantom: SAM; Type: QD 000 P40 CC; Serial: 1592
- DASY52 52.8.1(838);

Flat-Section_10-28-2015/WC_Back_0mm_Low/Area Scan (9x10x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

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

Maximum value of SAR (measured) = 2.03 mW/g

Flat-Section_10-28-2015/WC_Back_0mm_Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

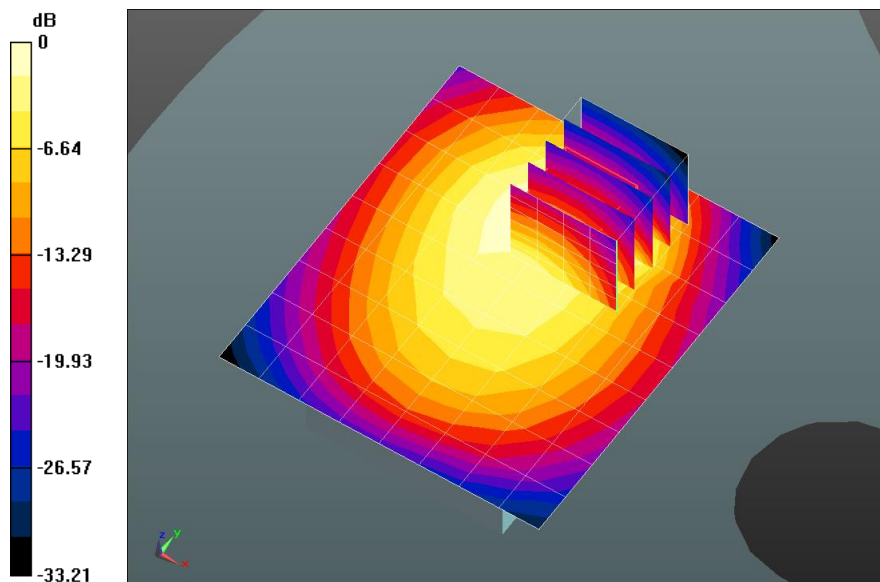
Reference Value = 31.727 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 3.818 mW/g

SAR(1 g) = 1.48 mW/g; SAR(10 g) = 0.801 mW/g

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

Maximum value of SAR (measured) = 1.87 mW/g



0 dB = 2.03 mW/g = 6.17 dB mW/g

Plot 14 Date/Time: 10/29/2015 5:55:34 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: TwisThink; Type: Sample; Serial: IMEI:35733005.061984.0.10

Communication System: UMTS-FDD (WCDMA); Frequency: 846.6 MHz

Medium: MSL900_Batch 100818-1

Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 1.006$ mho/m; $\epsilon_r = 53.504$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 21.3C; Medium Temperature: 20.3C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3260; ConvF(6.14, 6.14, 6.14); Calibrated: 3/19/2014;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1233; Calibrated: 3/17/2014
- Phantom: SAM; Type: QD 000 P40 CC; Serial: 1592
- DASY52 52.8.1(838);

Flat-Section_10-28-2015/WC_Back_0mm_High/Area Scan (9x10x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

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

Maximum value of SAR (measured) = 1.49 mW/g

Flat-Section_10-28-2015/WC_Back_0mm_High/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

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

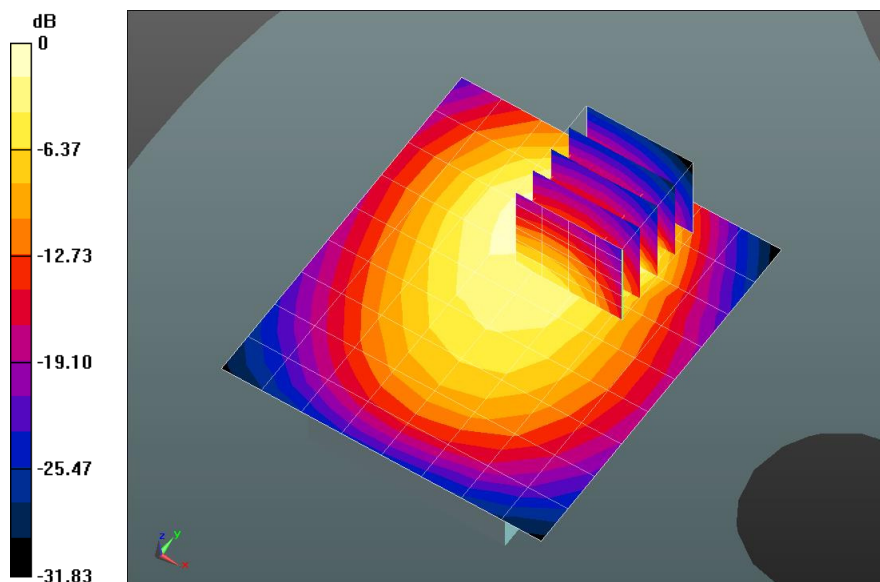
Reference Value = 25.688 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.791 mW/g

SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.572 mW/g

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

Maximum value of SAR (measured) = 1.50 mW/g



0 dB = 1.49 mW/g = 3.45 dB mW/g

Plot 15 Date/Time: 10/29/2015 6:11:58 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: TwisThink; Type: Sample; Serial: IMEI:35733005.061984.0.10

Communication System: UMTS-FDD (WCDMA); Frequency: 836.6 MHz

Medium: MSL900_Batch 100818-1

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.995$ mho/m; $\epsilon_r = 53.634$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 21C; Medium Temperature: 20.3C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3260; ConvF(6.14, 6.14, 6.14); Calibrated: 3/19/2014;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1233; Calibrated: 3/17/2014
- Phantom: SAM; Type: QD 000 P40 CC; Serial: 1592
- DASY52 52.8.1(838);

Configuration/WC_Back_0mm_Repeatability/Area Scan (9x10x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

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

Maximum value of SAR (measured) = 1.50 mW/g

Configuration/WC_Back_0mm_Repeatability/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

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

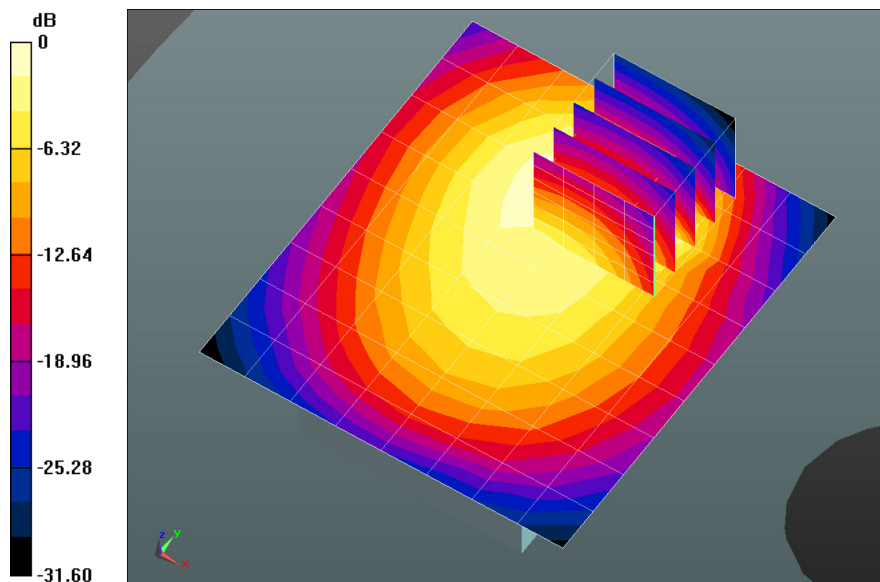
Reference Value = 26.820 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.835 mW/g

SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.587 mW/g

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

Maximum value of SAR (measured) = 1.52 mW/g



0 dB = 1.50 mW/g = 3.51 dB mW/g

Plot 16

Date/Time: 10/30/2015 6:16:54 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: TwisThink; Type: Sample; Serial: IMEI:35733005.061984.0.10

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

Medium: MSL1900_Batch 110530-3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.533$ S/m; $\epsilon_r = 51.132$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 21.2C; Medium Temperature: 20C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3260; ConvF(4.69, 4.69, 4.69); Calibrated: 3/19/2014;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn1233; Calibrated: 3/17/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: xxxx
- DASY52 52.8.1(838);

10-30-2015/Front_0mm/Area Scan (9x10x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.49 W/kg

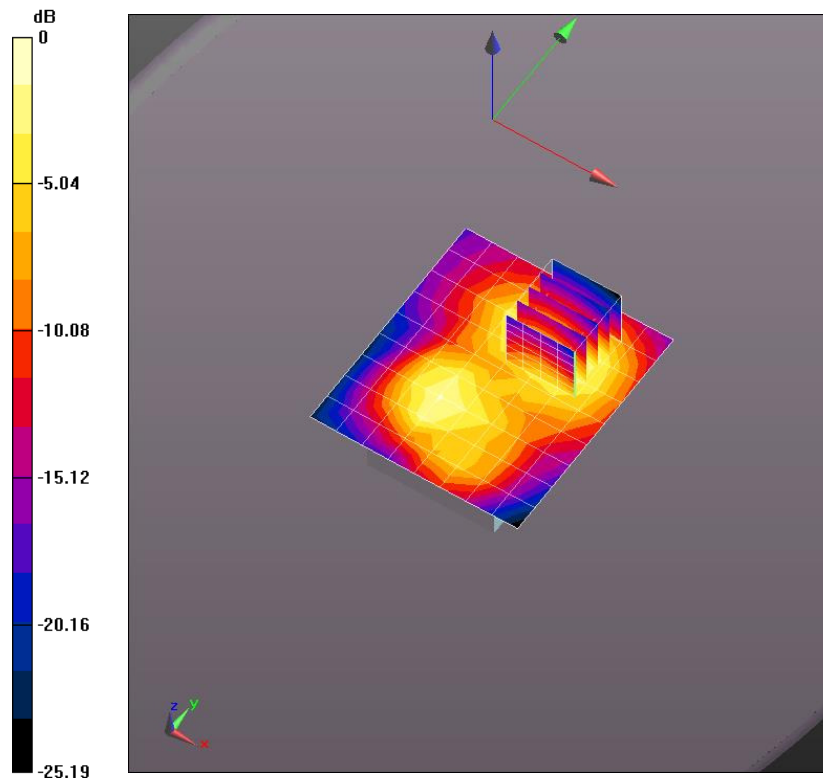
10-30-2015/Front_0mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.73 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.08 W/kg

SAR(1 g) = 1.26 W/kg; SAR(10 g) = 0.702 W/kg

Maximum value of SAR (measured) = 1.52 W/kg



0 dB = 1.49 W/kg = 1.75 dBW/kg

Plot 17

Date/Time: 10/30/2015 5:22:39 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: TwisThink; Type: Sample; Serial: IMEI:35733005.061984.0.10

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

Medium: MSL1900_Batch 110530-3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.533$ S/m; $\epsilon_r = 51.132$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 21.3C; Medium Temperature: 20C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3260; ConvF(4.69, 4.69, 4.69); Calibrated: 3/19/2014;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1233; Calibrated: 3/17/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: xxxx
- DASY52 52.8.1(838);

10-30-2015/Back_0mm/Area Scan (9x10x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 3.70 W/kg

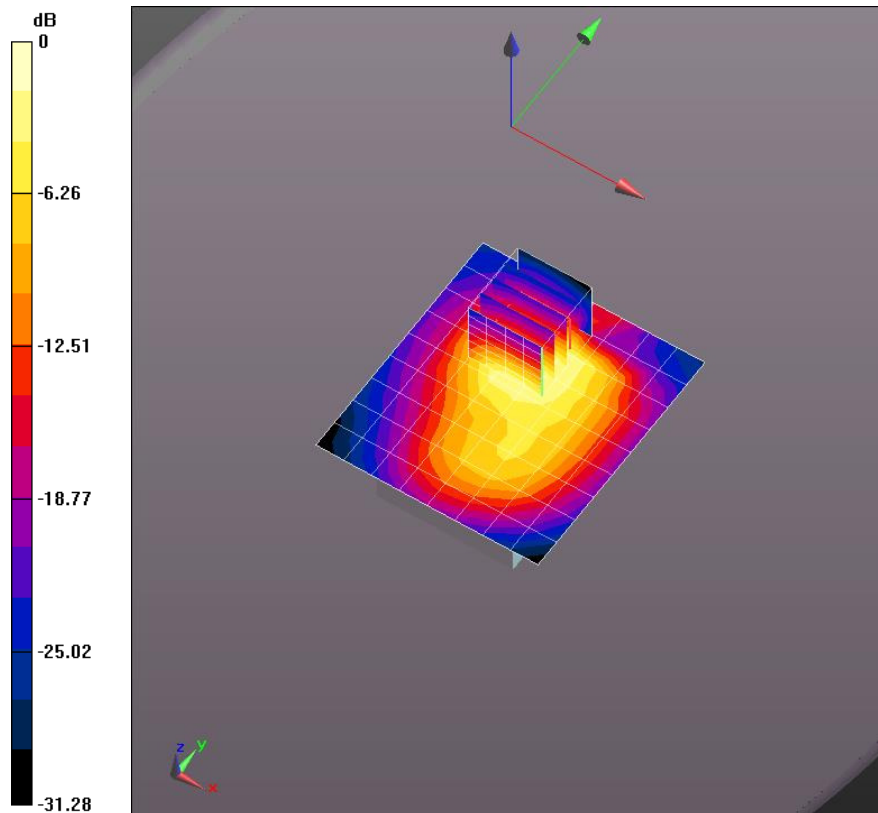
10-30-2015/Back_0mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.36 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 7.30 W/kg

SAR(1 g) = 3.04 W/kg; SAR(10 g) = 1.56 W/kg

Maximum value of SAR (measured) = 3.56 W/kg



0 dB = 3.70 W/kg = 5.69 dBW/kg

Plot 18

Date/Time: 10/30/2015 5:35:56 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: TwisThink; Type: Sample; Serial: IMEI:35733005.061984.0.10

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

Medium: MSL1900_Batch 110530-3

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.503$ S/m; $\epsilon_r = 51.245$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 21C; Medium Temperature: 20C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3260; ConvF(4.69, 4.69, 4.69); Calibrated: 3/19/2014;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1233; Calibrated: 3/17/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: xxxx
- DASYS2 52.8.1(838);

10-30-2015/WC_Back_0mm_Low/Area Scan (9x10x1): Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 4.26 W/kg

10-30-2015/WC_Back_0mm_Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

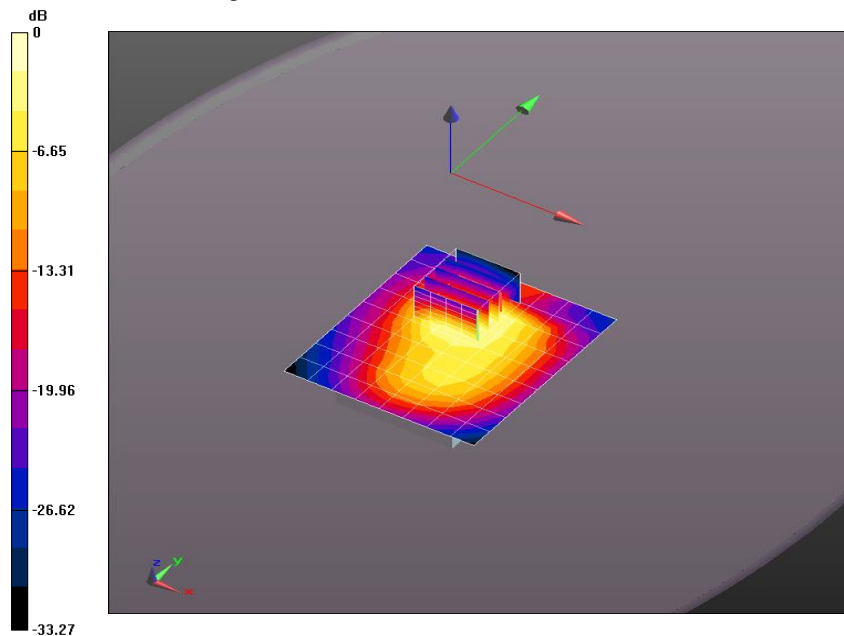
Reference Value = 28.63 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 8.33 W/kg

SAR(1 g) = 3.49 W/kg; SAR(10 g) = 1.8 W/kg

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

Maximum value of SAR (measured) = 4.04 W/kg



0 dB = 4.26 W/kg = 6.29 dBW/kg

Plot 19

Date/Time: 10/30/2015 5:48:55 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: TwisThink; Type: Sample; Serial: IMEI:35733005.061984.0.10

Communication System: UID 10011, UMTS-FDD (WCDMA); Frequency: 1907.6 MHz

Medium: MSL1900_Batch 110530-3

Medium parameters used: $f = 1908$ MHz; $\sigma = 1.566$ S/m; $\epsilon_r = 51.021$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 21C; Medium Temperature: 19.8C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3260; ConvF(4.69, 4.69, 4.69); Calibrated: 3/19/2014;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1233; Calibrated: 3/17/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: xxxx
- DASYS2 52.8.1(838);

10-30-2015/WC_Back_0mm_High/Area Scan (9x10x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 3.43 W/kg

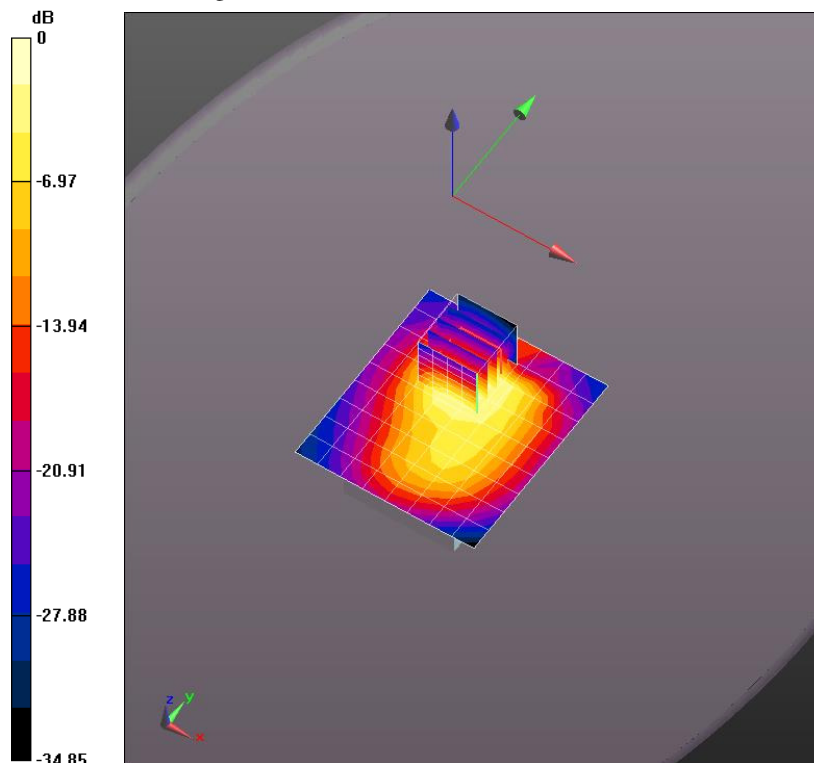
10-30-2015/WC_Back_0mm_High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.34 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 6.64 W/kg

SAR(1 g) = 2.71 W/kg; SAR(10 g) = 1.38 W/kg

Maximum value of SAR (measured) = 3.25 W/kg



0 dB = 3.43 W/kg = 5.35 dBW/kg

Plot 20

Date/Time: 10/30/2015 6:02:01 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: TwisThink; Type: Sample; Serial: IMEI:35733005.061984.0.10

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

Medium: MSL1900_Batch 110530-3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.533$ S/m; $\epsilon_r = 51.132$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

Procedure Notes: Test Technician: John; Air Temperature: 20.8C; Medium Temperature: 19.9C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3260; ConvF(4.69, 4.69, 4.69); Calibrated: 3/19/2014;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1233; Calibrated: 3/17/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: xxxx
- DASYS52 52.8.1(838);

10-30-2015/WC_Back_0mm_Repeatability/Area Scan (9x10x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 3.69 W/kg

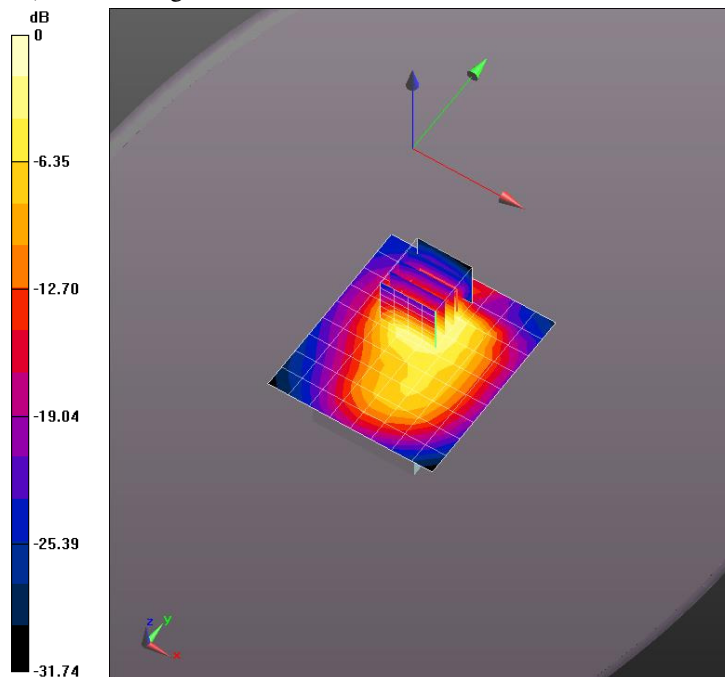
10-30-2015/WC_Back_0mm_Repeatability/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.80 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 7.28 W/kg

SAR(1 g) = 2.98 W/kg; SAR(10 g) = 1.52 W/kg

Maximum value of SAR (measured) = 3.55 W/kg



0 dB = 3.69 W/kg = 5.67 dBW/kg

Plot 21 Date/Time: 11/19/2015 9:53:04 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: TwisThink; Type: Sample; Serial: IMEI:35733005.061984.0.10

Communication System: UMTS-FDD (WCDMA); Frequency: 1880 MHz

Medium: MSL1900_Batch 110530-3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.528$ mho/m; $\epsilon_r = 51.42$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 21.5C; Medium Temperature: 20.4C; Comments: ;DASY Configuration:

- Probe: ES3DV3 - SN3260; ConvF(4.69, 4.69, 4.69); Calibrated: 3/19/2014;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1233; Calibrated: 3/17/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: xxxx
- DASY52 52.8.1(838);

Configuration/WC_Back_0mm_Repeatability 2/Area Scan (9x10x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 2.92 mW/g

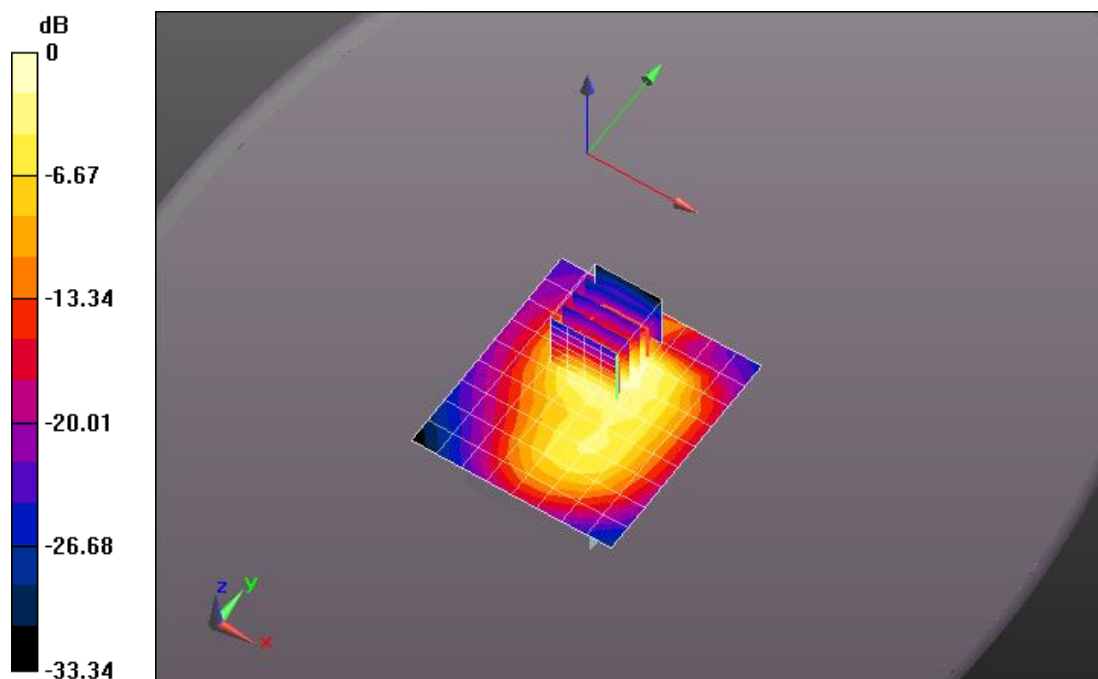
Configuration/WC_Back_0mm_Repeatability 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 24.640 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 6.229 mW/g

SAR(1 g) = 2.64 mW/g; SAR(10 g) = 1.37 mW/g

Maximum value of SAR (measured) = 3.13 mW/g



0 dB = 2.92 mW/g = 9.32 dB mW/g

Plot 22 Date/Time: 11/19/2015 11:32:01 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: TwisThink; Type: Sample; Serial: IMEI:35733005.061984.0.10

Communication System: UMTS-FDD (WCDMA); Frequency: 1880 MHz

Medium: MSL1900_Batch 110530-3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.528$ mho/m; $\epsilon_r = 51.42$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 22C; Medium Temperature: 20.2C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3260; ConvF(4.69, 4.69, 4.69); Calibrated: 3/19/2014;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1233; Calibrated: 3/17/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: xxxx
- DASY52 52.8.1(838);

Configuration/WC_Back_0mm_Repeatability 4/Area Scan (9x10x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 3.48 mW/g

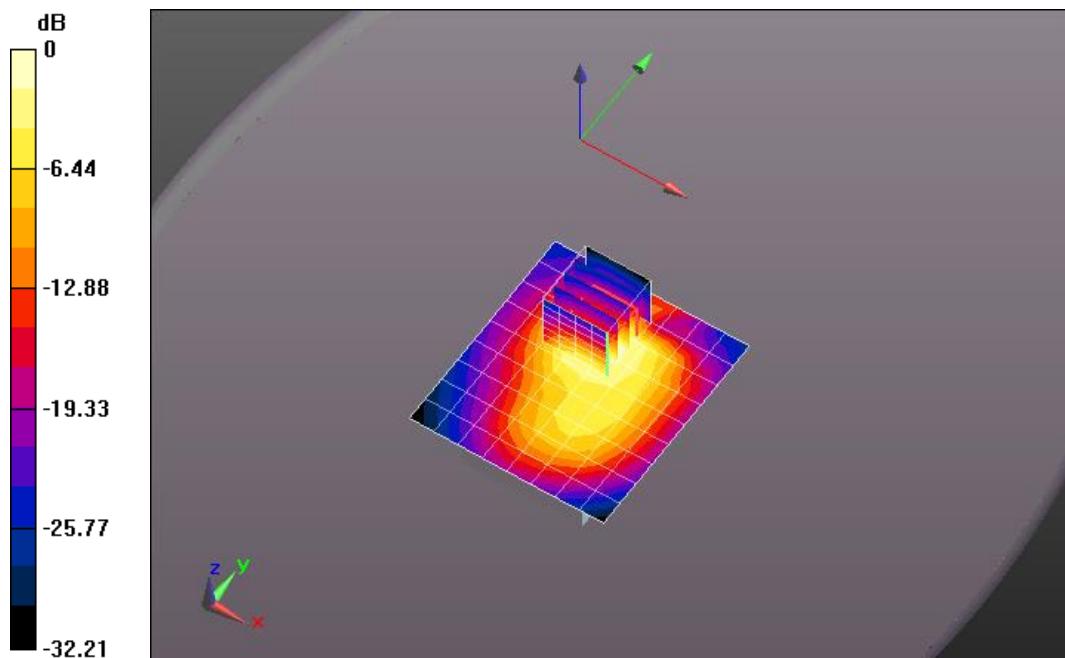
Configuration/WC_Back_0mm_Repeatability 4/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 23.831 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 6.929 mW/g

SAR(1 g) = 2.98 mW/g; SAR(10 g) = 1.55 mW/g

Maximum value of SAR (measured) = 3.56 mW/g



0 dB = 3.48 mW/g = 10.83 dB mW/g

Plot 23 Date/Time: 10/28/2015 7:08:37 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: Dipole 835 MHz - D835V2 - SN4d113_April 2014; Type: D835V2; Serial: D835V2 - SN:4d113

Communication System: CW; Frequency: 835 MHz

Medium: MSL900_Batch 100818-1

Medium parameters used (interpolated): $f = 835 \text{ MHz}$; $\sigma = 0.993 \text{ mho/m}$; $\epsilon_r = 53.656$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 21C; Medium Temperature: 20.6C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3260; ConvF(6.14, 6.14, 6.14); Calibrated: 3/19/2014;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1233; Calibrated: 3/17/2014
- Phantom: SAM; Type: QD 000 P40 CC; Serial: 1592
- DASY52 52.8.1(838);

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

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

Maximum value of SAR (measured) = 10.1 mW/g

System Performance Check at Frequencies below 1 GHz/d=15mm, Pin=1W, dist=3.0mm (ES-Probe)/Zoom Scan (7x7x7) (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

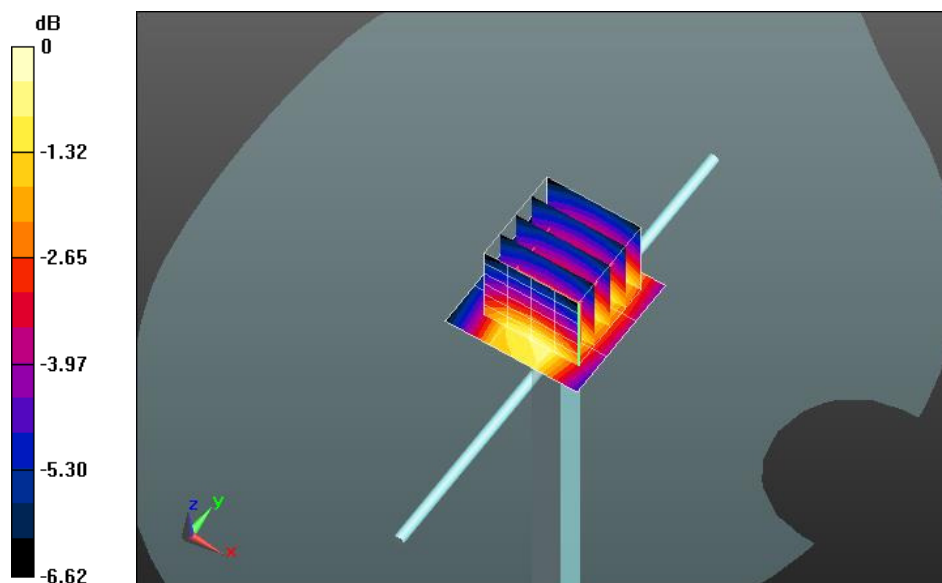
Reference Value = 107.8 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 13.532 mW/g

SAR(1 g) = 9.42 mW/g; SAR(10 g) = 6.27 mW/g

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

Maximum value of SAR (measured) = 10.9 mW/g



0 dB = 10.1 mW/g = 20.13 dB mW/g

Plot 24 Date/Time: 10/27/2015 7:43:08 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: Dipole 1900 MHz - D1900V2 - SN5d135_April 2014; Type: D1900V2; Serial: D1900V2 - SN:5d135

Communication System: CW; Frequency: 1900 MHz

Medium: MSL1900_Batch 110530-3

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 51.876$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 21C; Medium Temperature: 20.2C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3260; ConvF(4.69, 4.69, 4.69); Calibrated: 3/19/2014;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1233; Calibrated: 3/17/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: xxxx
- DASY52 52.8.1(838);

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) = 41.5 mW/g

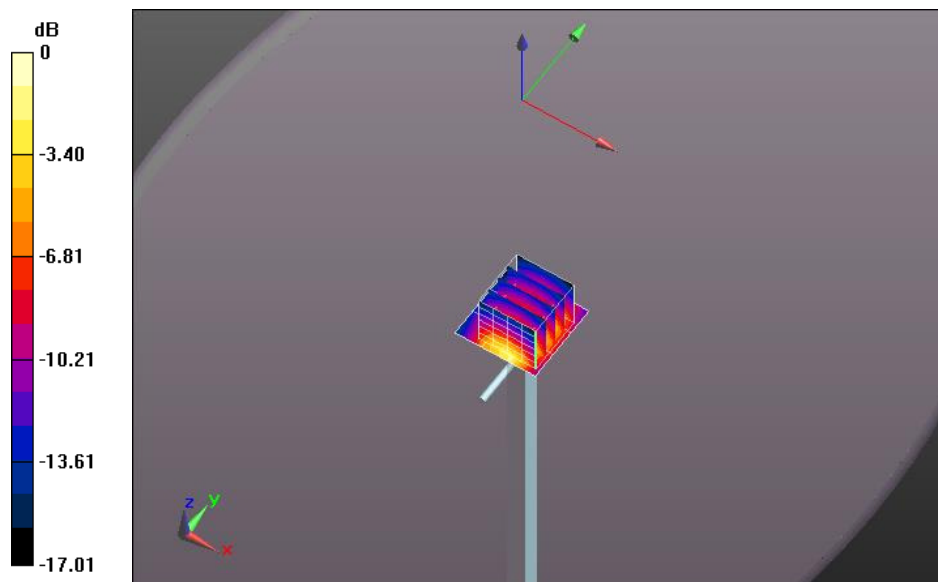
System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=1W, dist=3.0mm (ES-Probe)/Zoom Scan (7x7x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 172.7 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 66.344 mW/g

SAR(1 g) = 37.5 mW/g; SAR(10 g) = 19.6 mW/g

Maximum value of SAR (measured) = 47.4 mW/g



0 dB = 41.5 mW/g = 32.36 dB mW/g

Plot 25 Date/Time: 10/30/2015 4:28:52 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: Dipole 1900 MHz - D1900V2 - SN5d135_April 2014; Type: D1900V2; Serial: D1900V2 - SN:5d135

Communication System: CW; Frequency: 1900 MHz

Medium: MSL1900_Batch 110530-3

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.557$ mho/m; $\epsilon_r = 51.051$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

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

DASY Configuration:

- Probe: ES3DV3 - SN3260; ConvF(4.69, 4.69, 4.69); Calibrated: 3/19/2014;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1233; Calibrated: 3/17/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: xxxx
- DASY52 52.8.1(838);

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) = 31.9 mW/g

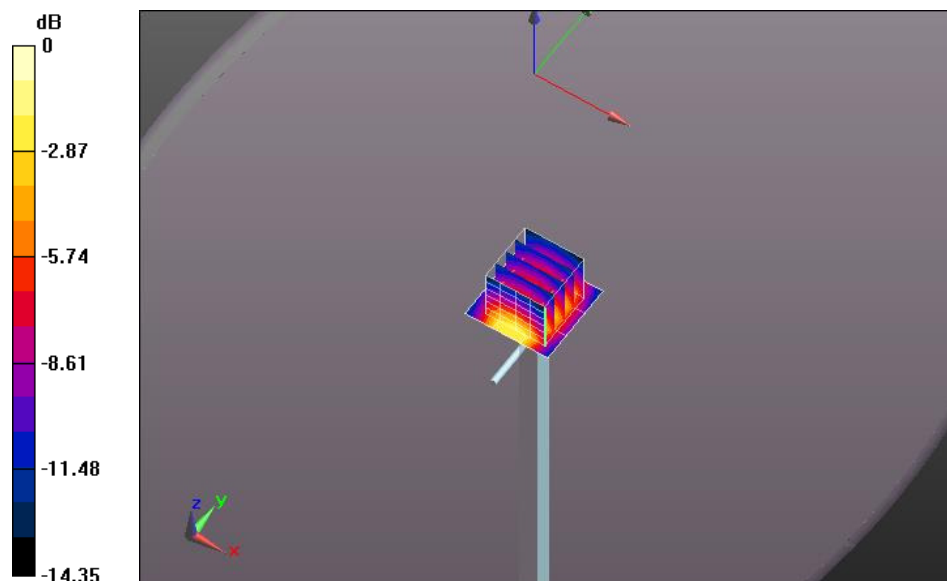
System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=1W, dist=3.0mm (ES-Probe)/Zoom Scan (7x7x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 178.5 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 64.809 mW/g

SAR(1 g) = 36.5 mW/g; SAR(10 g) = 19.2 mW/g

Maximum value of SAR (measured) = 46.2 mW/g



0 dB = 31.9 mW/g = 30.07 dB mW/g

Plot 26 Date/Time: 11/19/2015 8:27:58 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: Dipole 1900 MHz - D1900V2 - SN5d135_April 2014; Type: D1900V2; Serial: D1900V2 - SN:5d135

Communication System: CW; Frequency: 1900 MHz

Medium: MSL1900_Batch 110530-3

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.538$ mho/m; $\epsilon_r = 51.443$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 21.5C; Medium Temperature: 20.6C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3260; ConvF(4.69, 4.69, 4.69); Calibrated: 3/19/2014;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn1233; Calibrated: 3/17/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: xxxx
- DASY52 52.8.1(838);

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) = 31.8 mW/g

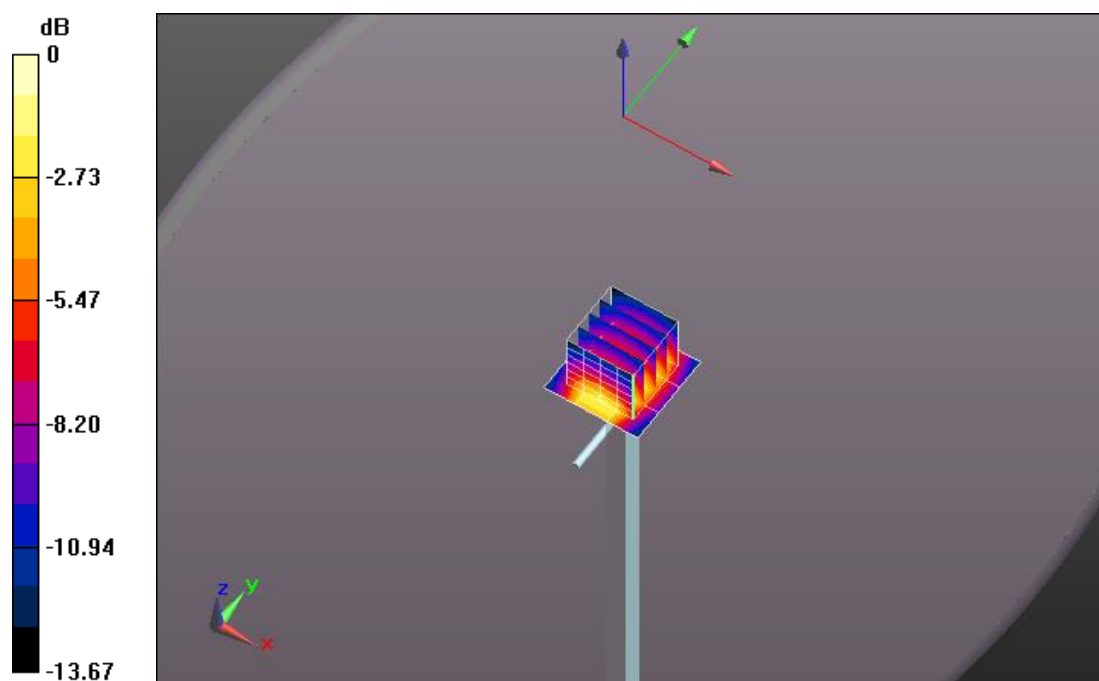
System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=1W, dist=3.0mm (ES-Probe)/Zoom Scan (7x7x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 181.6 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 67.094 mW/g

SAR(1 g) = 38.1 mW/g; SAR(10 g) = 20.1 mW/g

Maximum value of SAR (measured) = 47.9 mW/g



0 dB = 31.8 mW/g = 30.05 dB mW/g

