

Plot 1 Date/Time: 8/2/2016 11:57:38 AM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: Smith&Nephew; Type: Prototype; Serial: DVRTG14049

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz

Medium: MSL900_Batch 110518-7

Medium parameters used: $f = 837$ MHz; $\sigma = 0.96$ S/m; $\epsilon_r = 55.133$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: Kathy; Air Temperature: 23.8C; Medium Temperature: 23.7C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3244; ConvF(6.24, 6.24, 6.24); Calibrated: 4/28/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1265; Calibrated: 5/11/2016
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1092
- DASY52 52.8.8(1222);

Flat_Section/Front 0mm_1TS/Area Scan (15x17x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.337 W/kg

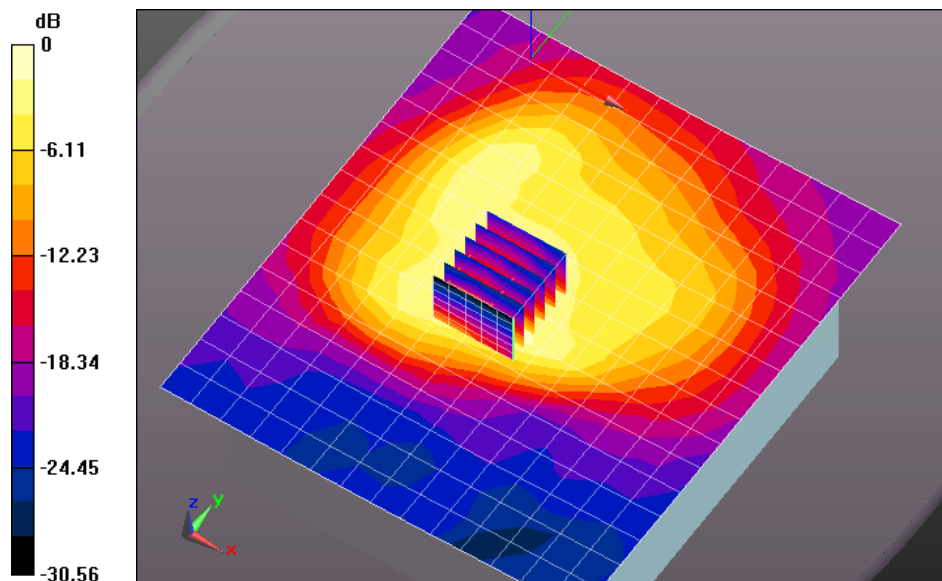
Flat_Section/Front 0mm_1TS/Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 14.83 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.481 W/kg

SAR(1 g) = 0.292 W/kg; SAR(10 g) = 0.176 W/kg

Maximum value of SAR (measured) = 0.364 W/kg



0 dB = 0.337 W/kg = -4.72 dBW/kg

Plot 2

Date/Time: 8/2/2016 2:04:42 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: Smith&Nephew; Type: Protoype; Serial: DVRTG14049

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz

Medium: MSL900_Batch 110518-7

Medium parameters used: $f = 837$ MHz; $\sigma = 0.96$ S/m; $\epsilon_r = 55.133$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: Kathy; Air Temperature: 23.8C; Medium Temperature: 23.7C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3244; ConvF(6.24, 6.24, 6.24); Calibrated: 4/28/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1265; Calibrated: 5/11/2016
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1092
- DASY52 52.8.8(1222);

Flat_Section/Back 0mm_1TS/Area Scan (15x17x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

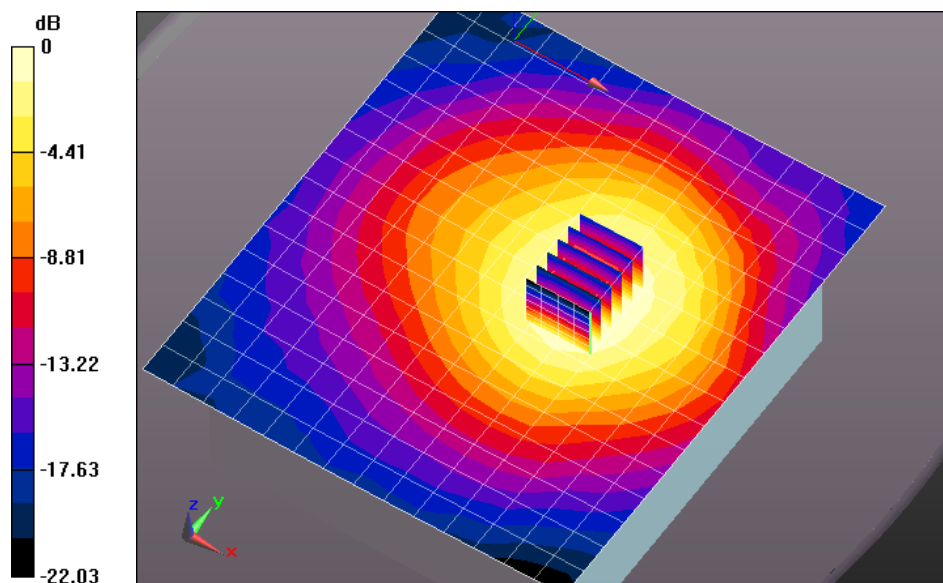
Maximum value of SAR (measured) = 0.153 W/kg

Flat_Section/Back 0mm_1TS/Zoom Scan (5x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 9.953 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.184 W/kg

SAR(1 g) = 0.137 W/kg; SAR(10 g) = 0.101 W/kg



0 dB = 0.153 W/kg = -8.15 dBW/kg

Plot 3

Date/Time: 8/2/2016 2:42:28 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: Smith&Nephew; Type: Prototype; Serial: DVRTG14049

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz

Medium: MSL900_Batch 110518-7

Medium parameters used: $f = 837$ MHz; $\sigma = 0.96$ S/m; $\epsilon_r = 55.133$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

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

DASY Configuration:

- Probe: ES3DV3 - SN3244; ConvF(6.24, 6.24, 6.24); Calibrated: 4/28/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1265; Calibrated: 5/11/2016
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1092
- DASY52 52.8.8(1222);

Flat_Section/Back 0mm_pouch_1TS/Area Scan (15x17x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.119 W/kg

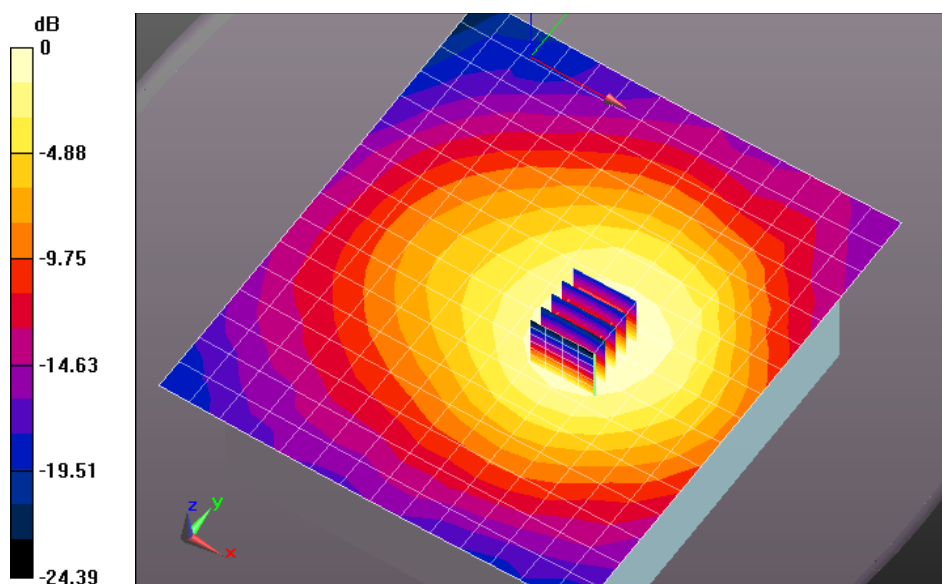
Flat_Section/Back 0mm_pouch_1TS/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 9.166 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.144 W/kg

SAR(1 g) = 0.109 W/kg; SAR(10 g) = 0.080 W/kg

Maximum value of SAR (measured) = 0.120 W/kg



0 dB = 0.119 W/kg = -9.26 dBW/kg

Plot 4 Date/Time: 8/4/2016 3:10:36 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: Smith&Nephew; Type: Prototype; Serial: DVRTG14049

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz

Medium: MSL1900_Batch 110615-4

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.495$ S/m; $\epsilon_r = 51.689$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: Kathy; Air Temperature: 23.9C; Medium Temperature: 23.7C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3244; ConvF(4.81, 4.81, 4.81); Calibrated: 4/28/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1265; Calibrated: 5/11/2016
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1092
- DASY52 52.8.8(1222);

Flat_Section/Front 0mm_1TS/Area Scan (15x17x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.332 W/kg

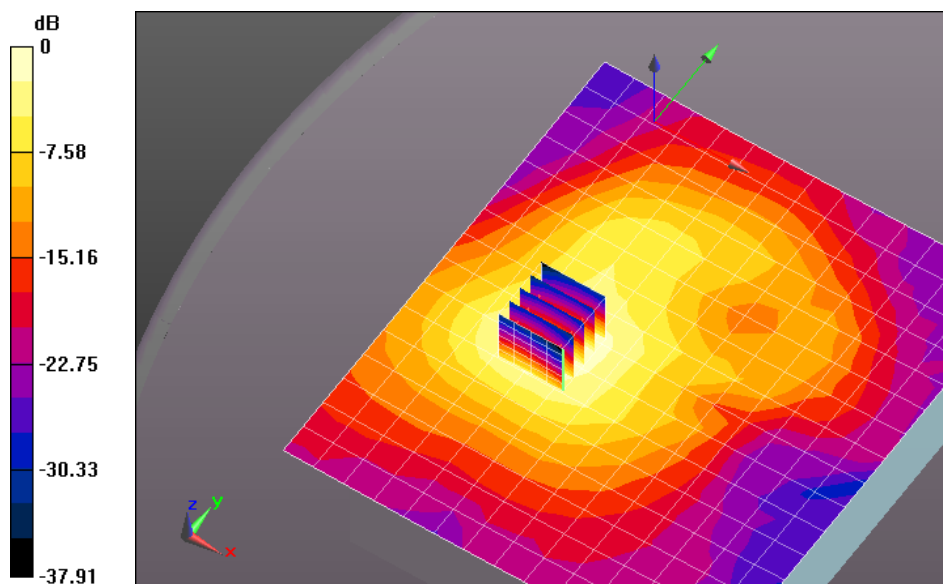
Flat_Section/Front 0mm_1TS/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 5.935 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.371 W/kg

SAR(1 g) = 0.243 W/kg; SAR(10 g) = 0.151 W/kg

Maximum value of SAR (measured) = 0.283 W/kg



0 dB = 0.332 W/kg = -4.79 dBW/kg

Plot 5

Date/Time: 8/4/2016 3:33:52 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: Smith&Nephew; Type: Prototype; Serial: DVRTG14049

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz

Medium: MSL1900_Batch 110615-4

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.495$ S/m; $\epsilon_r = 51.689$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: Kathy; Air Temperature: 23.9C; Medium Temperature: 23.7C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3244; ConvF(4.81, 4.81, 4.81); Calibrated: 4/28/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1265; Calibrated: 5/11/2016
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1092
- DASY52 52.8.8(1222);

Flat_Section/Back 0mm_1TS/Area Scan (15x17x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.137 W/kg

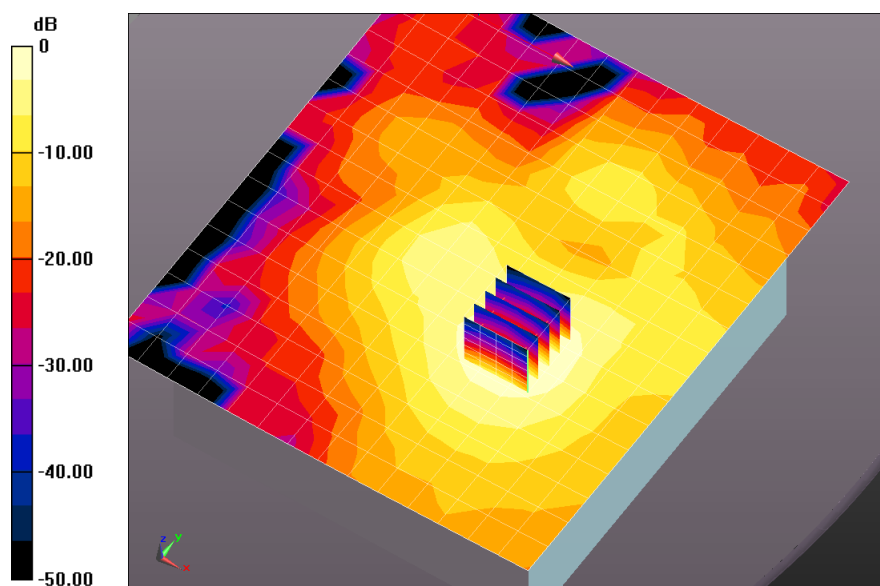
Flat_Section/Back 0mm_1TS/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 5.401 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.169 W/kg

SAR(1 g) = 0.113 W/kg; SAR(10 g) = 0.071 W/kg

Maximum value of SAR (measured) = 0.133 W/kg



0 dB = 0.137 W/kg = -8.62 dBW/kg

Plot 6 Date/Time: 8/4/2016 3:57:03 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: Smith&Nephew; Type: Protoype; Serial: DVRTG14049

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz

Medium: MSL1900_Batch 110615-4

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.495$ S/m; $\epsilon_r = 51.689$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: Kathy; Air Temperature: 24C; Medium Temperature: 23.7C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3244; ConvF(4.81, 4.81, 4.81); Calibrated: 4/28/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1265; Calibrated: 5/11/2016
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1092
- DASY52 52.8.8(1222);

Flat_Section/Back 0mm_pouch_1TS/Area Scan (15x17x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.106 W/kg

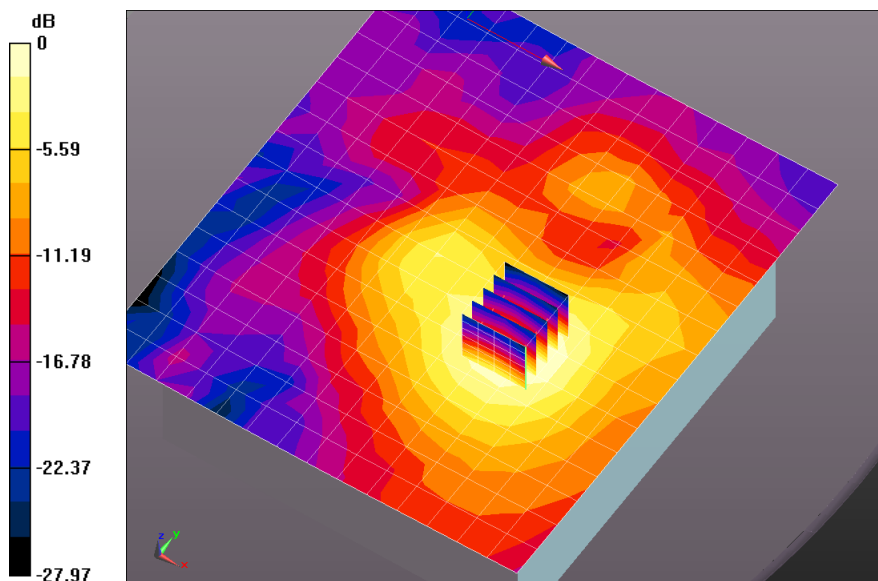
Flat_Section/Back 0mm_pouch_1TS/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 5.095 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.137 W/kg

SAR(1 g) = 0.092 W/kg; SAR(10 g) = 0.058 W/kg

Maximum value of SAR (measured) = 0.107 W/kg



0 dB = 0.106 W/kg = -9.75 dBW/kg

Plot 7

Date/Time: 10/2/2015 11:27:48 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: Smith&Nephew; Type: Prototype; Serial: DVRTG14049

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

Medium: MSL1900_Batch 110530-3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.535$ mho/m; $\epsilon_r = 51.55$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 21.4C; Medium Temperature: 20.5C; 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);

Flat-Section/Front 0mm/Area Scan (15x17x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.243 mW/g

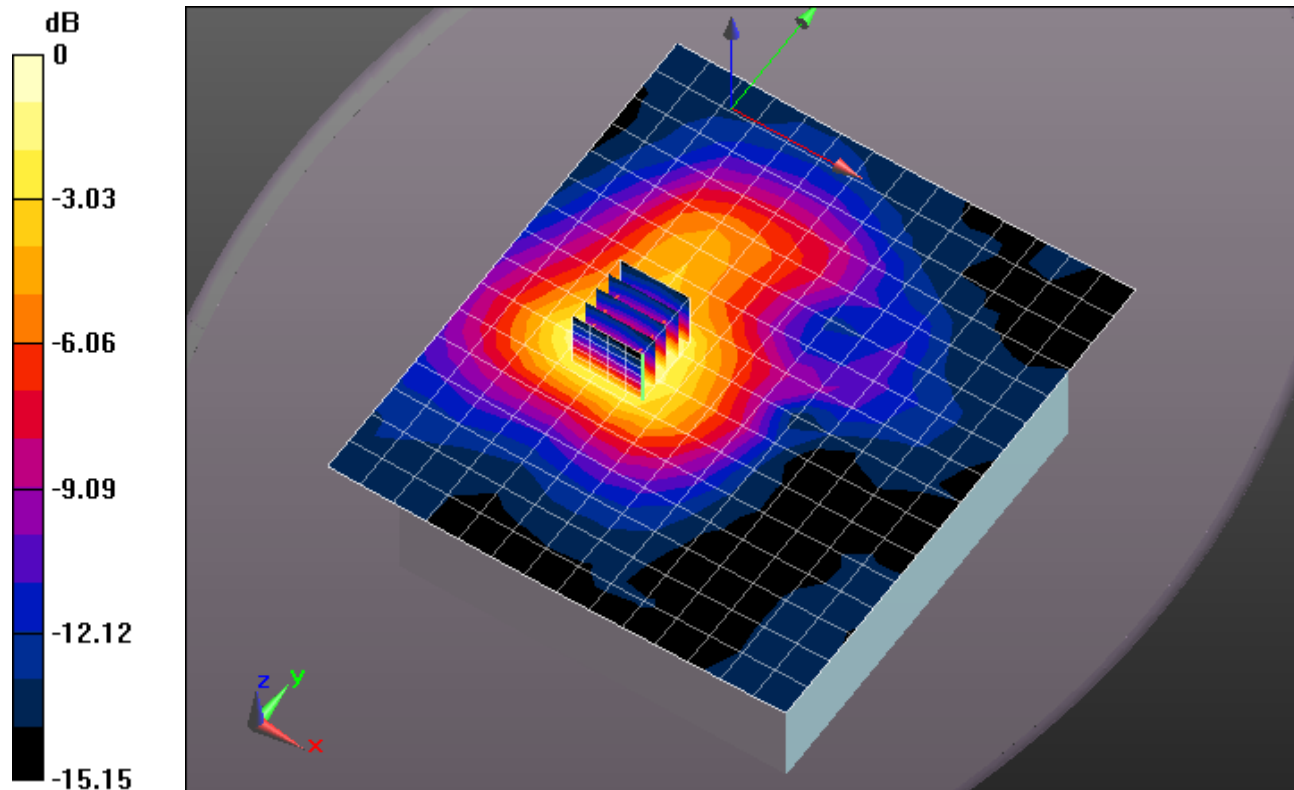
Flat-Section/Front 0mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 6.557 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.329 mW/g

SAR(1 g) = 0.216 mW/g; SAR(10 g) = 0.140 mW/g

Maximum value of SAR (measured) = 0.253 mW/g



0 dB = 0.243 mW/g = -12.28 dB mW/g

Plot 8

Date/Time: 10/3/2015 12:02:19 AM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: Smith&Nephew; Type: Prototype; Serial: DVRTG14049

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

Medium: MSL1900_Batch 110530-3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.535$ mho/m; $\epsilon_r = 51.55$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 21.2C; Medium Temperature: 20.5C; 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/Back 0mm/Area Scan (15x17x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.0647 mW/g

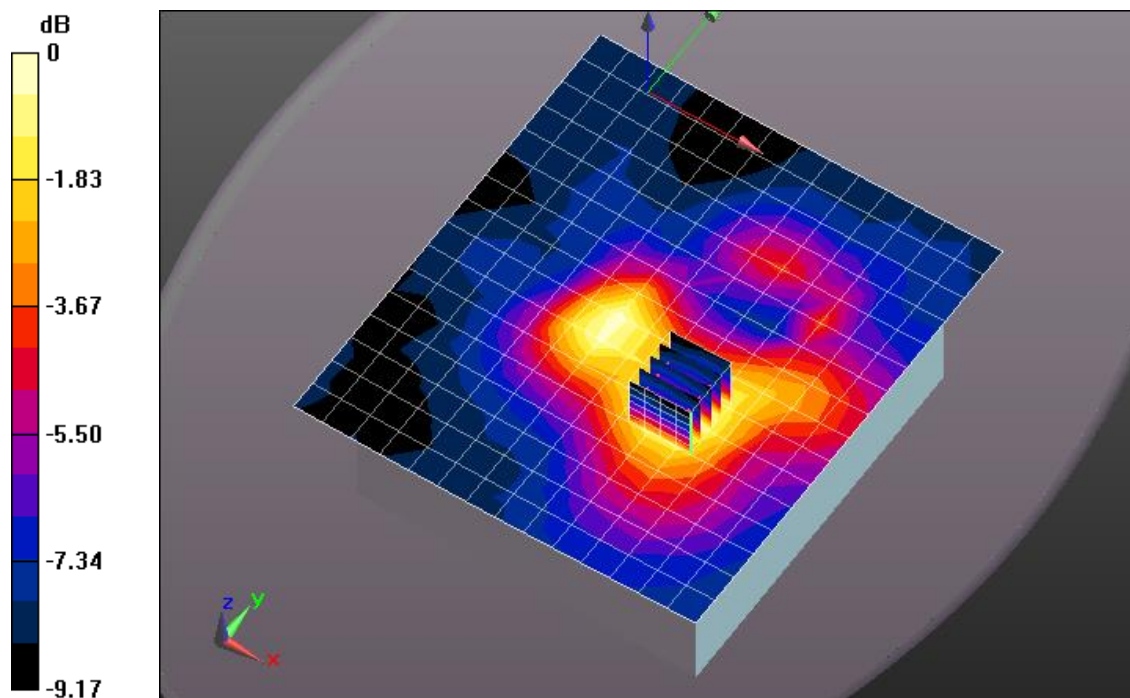
Flat-Section/Back 0mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 5.424 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.085 mW/g

SAR(1 g) = 0.057 mW/g; SAR(10 g) = 0.038 mW/g

Maximum value of SAR (measured) = 0.0654 mW/g



0 dB = 0.0647 mW/g = -23.78 dB mW/g

Plot 9

Date/Time: 10/3/2015 12:26:31 AM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: Smith&Nephew; Type: Prototype; Serial: DVRTG14049

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

Medium: MSL1900_Batch 110530-3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.535$ mho/m; $\epsilon_r = 51.55$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 21.1C; Medium Temperature: 20.3C; 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/Back 0mm_With Pouch/Area Scan (15x17x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.0506 mW/g

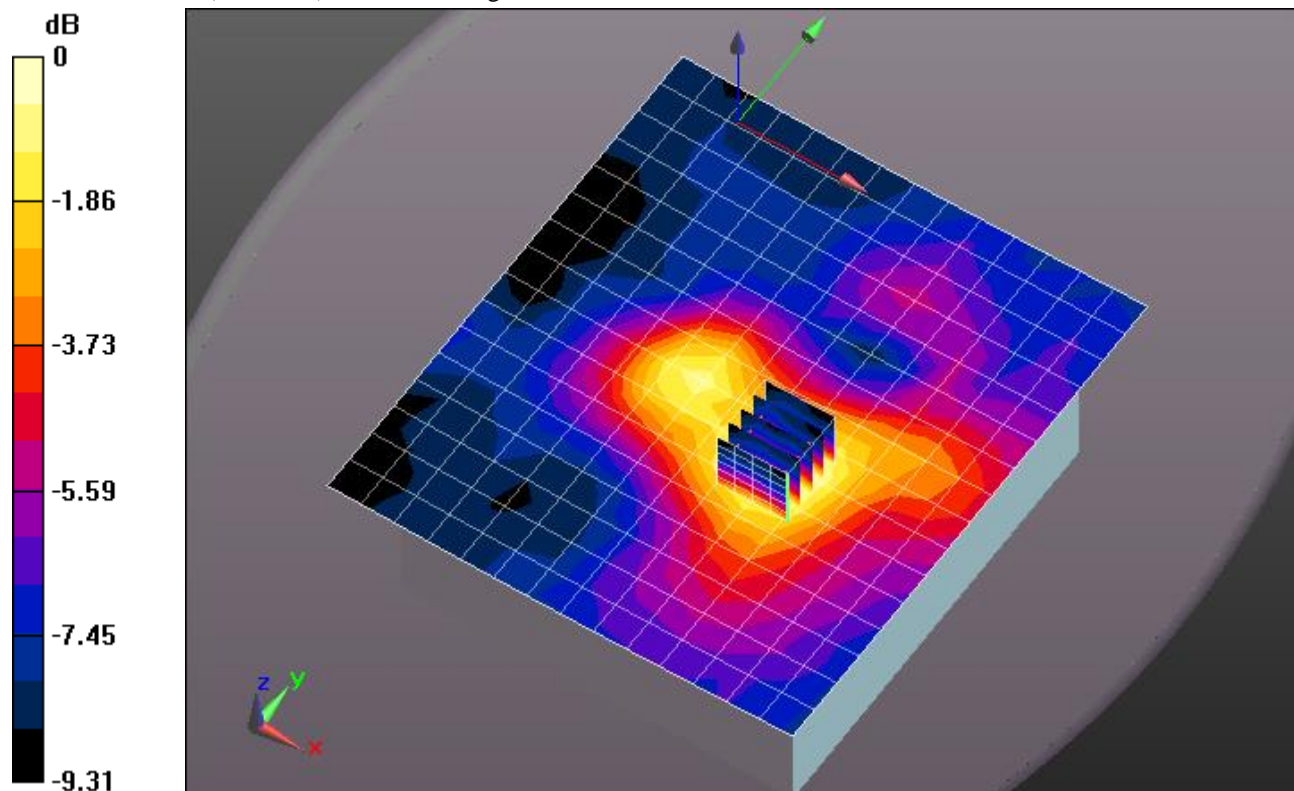
Flat-Section/Back 0mm_With Pouch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.728 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.066 mW/g

SAR(1 g) = 0.044 mW/g; SAR(10 g) = 0.031 mW/g

Maximum value of SAR (measured) = 0.0502 mW/g



0 dB = 0.0506 mW/g = -25.92 dB mW/g

Plot 10 Date/Time: 10/1/2015 11:00:54 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: Smith&Nephew; Type: Prototype; Serial: DVRTG14049

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

Medium: MSL900_Batch 100818-1

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.978$ S/m; $\epsilon_r = 53.604$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 21.4C; Medium Temperature: 19.9C; 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: ELI 4.0; Type: QDOVA001BA; Serial: xxxx
- DASY52 52.8.1(838);

Flat_Section/Front 0mm/Area Scan (15x17x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.129 W/kg

Flat_Section/Front 0mm/Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

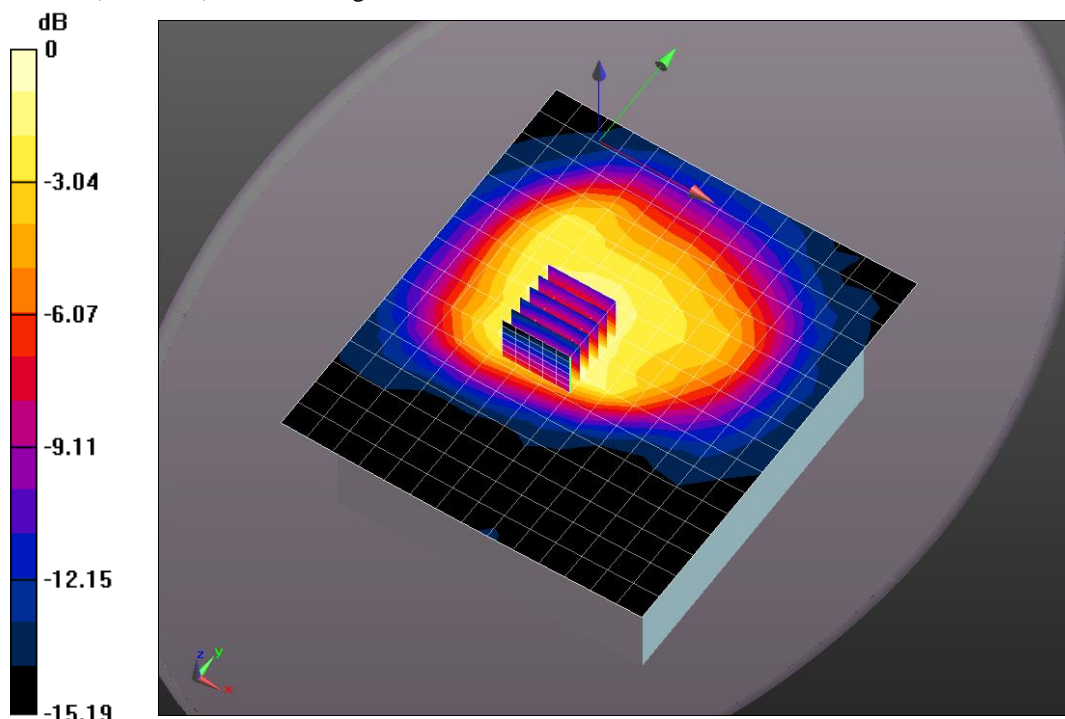
Reference Value = 10.54 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.199 W/kg

SAR(1 g) = 0.128 W/kg; SAR(10 g) = 0.085 W/kg

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

Maximum value of SAR (measured) = 0.150 W/kg



0 dB = 0.129 W/kg = -8.88 dBW/kg

Plot 11

Date/Time: 10/1/2015 11:40:42 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: Smith&Nephew; Type: Prototype; Serial: DVRTG14049

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

Medium: MSL900_Batch 100818-1

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r = 53.604$; $\rho = 1000$ 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: 19.8C; 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: ELI 4.0; Type: QDOVA001BA; Serial: xxxx
- DASY52 52.8.1(838);

Flat_Section/Back 0mm/Area Scan (15x17x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.0964 mW/g

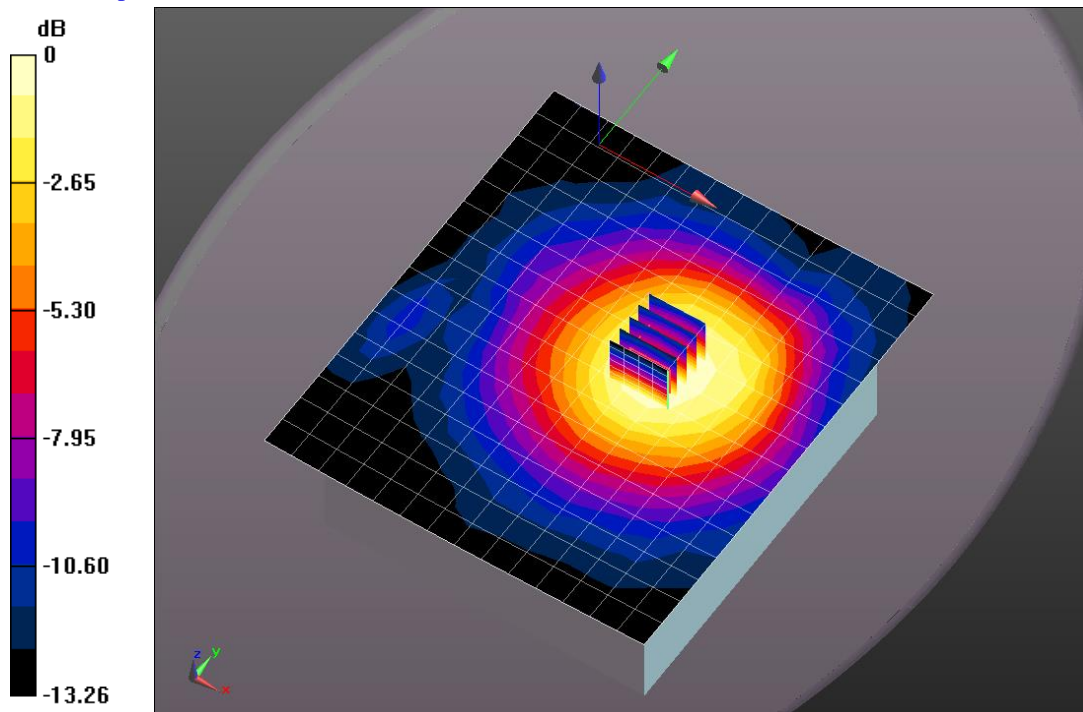
Flat_Section/Back 0mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 8.212 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.112 mW/g

SAR(1 g) = 0.088 mW/g; SAR(10 g) = 0.067 mW/g

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



0 dB = 0.0964 mW/g = -20.32 dB mW/g

Plot 12 Date/Time: 10/2/2015 12:03:53 AM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: Smith&Nephew; Type: Prototype; Serial: DVRTG14049

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

Medium: MSL900_Batch 100818-1

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r = 53.604$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: ; Air Temperature: C; Medium Temperature: C; 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: ELI 4.0; Type: QDOVA001BA; Serial: xxxx
- DASY52 52.8.1(838);

Flat_Section/Back 0mm_With Pouch/Area Scan (15x17x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.0791 mW/g

Flat_Section/Back 0mm_With Pouch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

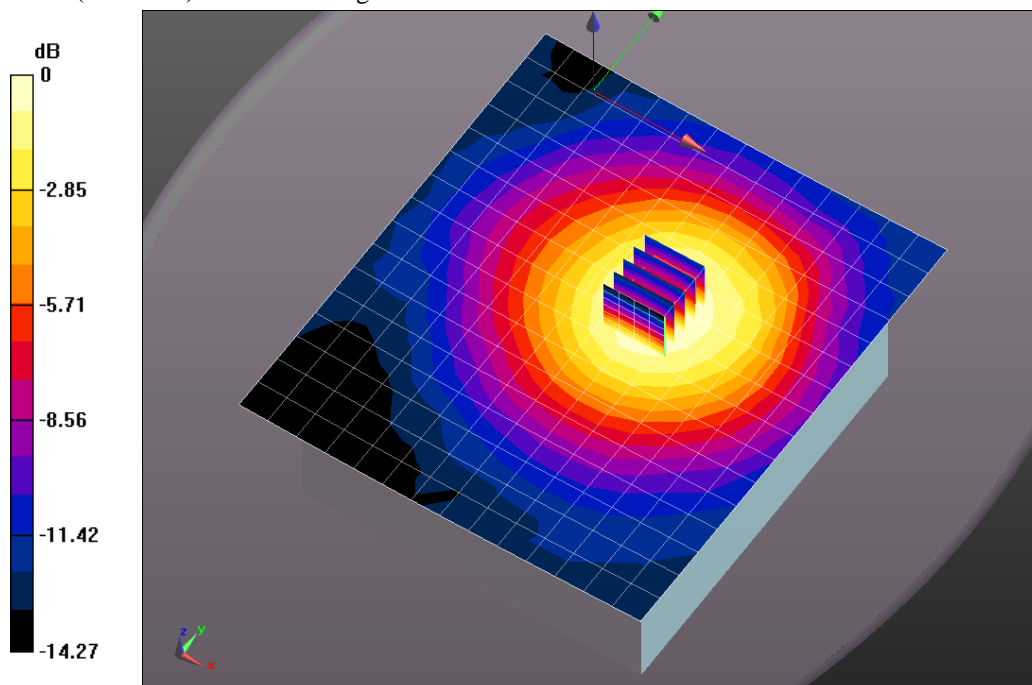
Reference Value = 7.547 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.086 mW/g

SAR(1 g) = 0.068 mW/g; SAR(10 g) = 0.052 mW/g

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

Maximum value of SAR (measured) = 0.0747 mW/g



0 dB = 0.0791 mW/g = -22.04 dB mW/g

Plot 13

Date/Time: 11/6/2015 8:31:20 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: Smith&Nephew; Type: Prototype; Serial: DVRTG14049

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

Medium: MSL1900_Batch 110530-3

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.472$ mho/m; $\epsilon_r = 51.24$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 21.3C; 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), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1233; Calibrated: 3/17/2014
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: xxxx
- DASY52 52.8.1(838);

Configuration/WC_Front 0mm_Low/Area Scan (15x17x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.340 mW/g

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

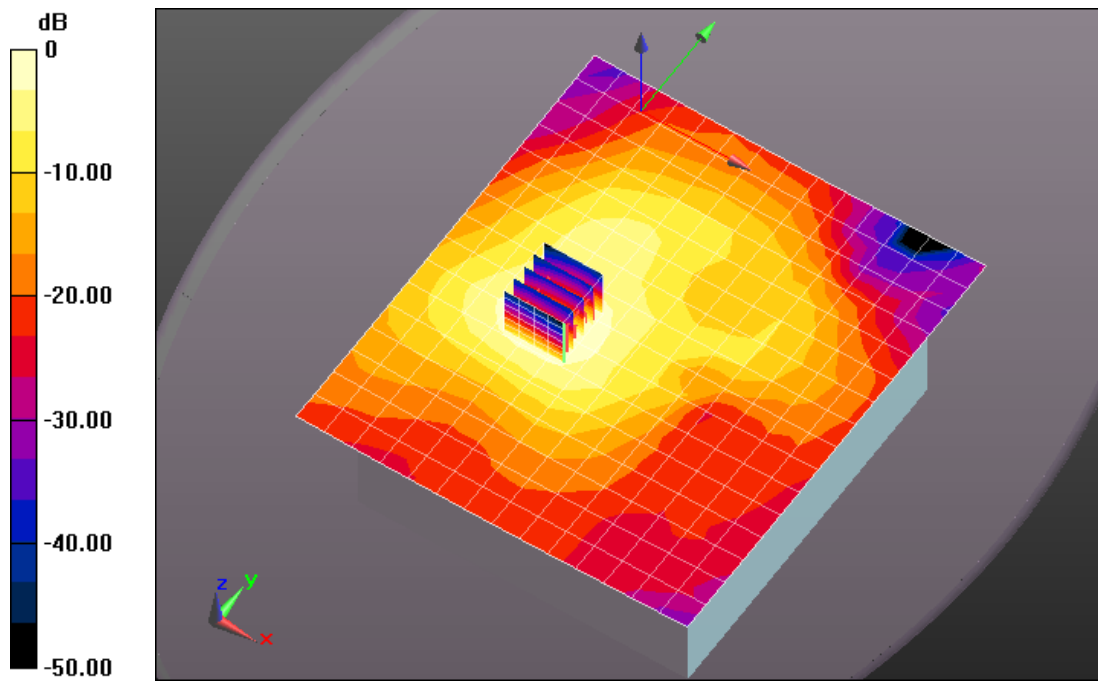
Reference Value = 6.601 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.410 mW/g

SAR(1 g) = 0.261 mW/g; SAR(10 g) = 0.162 mW/g

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

Maximum value of SAR (measured) = 0.301 mW/g



0 dB = 0.340 mW/g = -9.36 dB mW/g

Plot 14 Date/Time: 11/6/2015 9:07:44 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: Smith&Nephew; Type: Prototype; Serial: DVRTG14049

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

Medium: MSL1900_Batch 110530-3

Medium parameters used: $f = 1908$ MHz; $\sigma = 1.535$ mho/m; $\epsilon_r = 51.028$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 21.2C; 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 (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_Front 0mm_High/Area Scan (15x17x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.249 mW/g

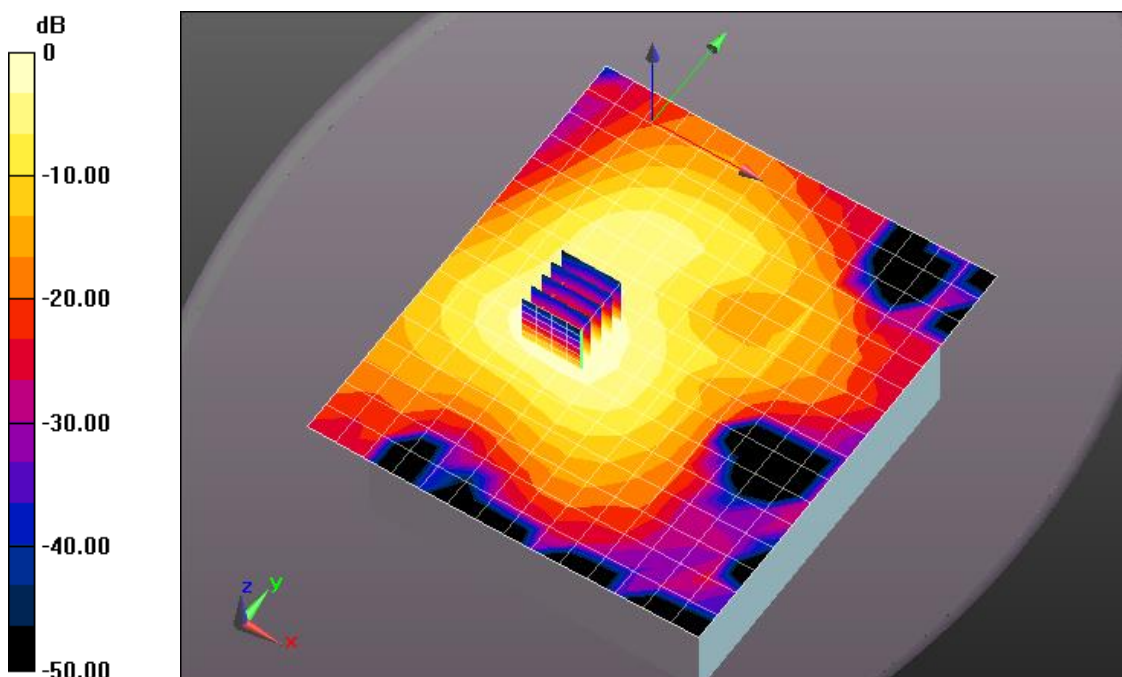
Configuration/WC_Front 0mm_High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 6.544 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.351 mW/g

SAR(1 g) = 0.222 mW/g; SAR(10 g) = 0.135 mW/g

Maximum value of SAR (measured) = 0.265 mW/g



0 dB = 0.249 mW/g = -12.06 dB mW/g

Plot 15 Date/Time: 10/1/2015 6:30:19 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: Dipole 835 MHz - D835V2 - SN4d155_June 2013; Type: D835V2; Serial: D835V2 - SN:4d155

Communication System: CW; Frequency: 835 MHz

Medium: MSL900_Batch 100818-1

Medium parameters used (interpolated): $f = 835$ MHz; $\sigma = 0.976$ mho/m; $\epsilon_r = 53.628$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: John; Air Temperature: 21.3C; Medium Temperature: 20.2C; 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: ELI 4.0; Type: QDOVA001BA; Serial: xxxx
- 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: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 9.59 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: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

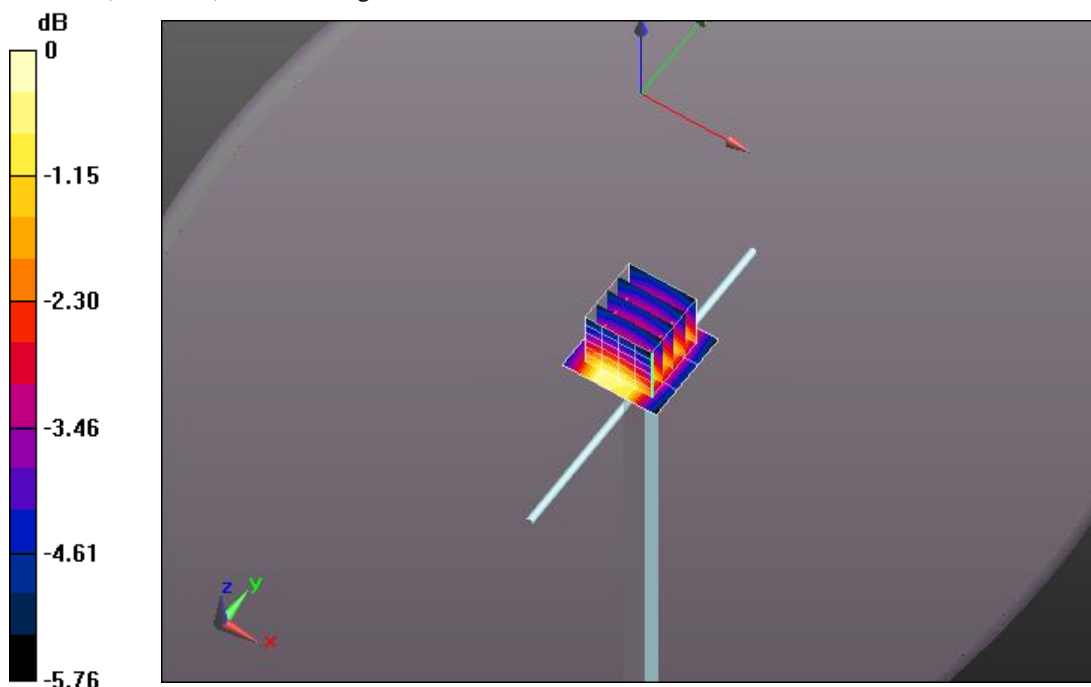
Reference Value = 109.2 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 13.322 mW/g

SAR(1 g) = 9.29 mW/g; SAR(10 g) = 6.18 mW/g

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

Maximum value of SAR (measured) = 10.7 mW/g



0 dB = 9.59 mW/g = 19.64 dB mW/g

Plot 16 Date/Time: 10/2/2015 8:38:19 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; $\sigma = 1.56$ mho/m; $\epsilon_r = 51.532$; $\rho = 1000$ 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: 20.8C; 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) = 34.4 mW/g

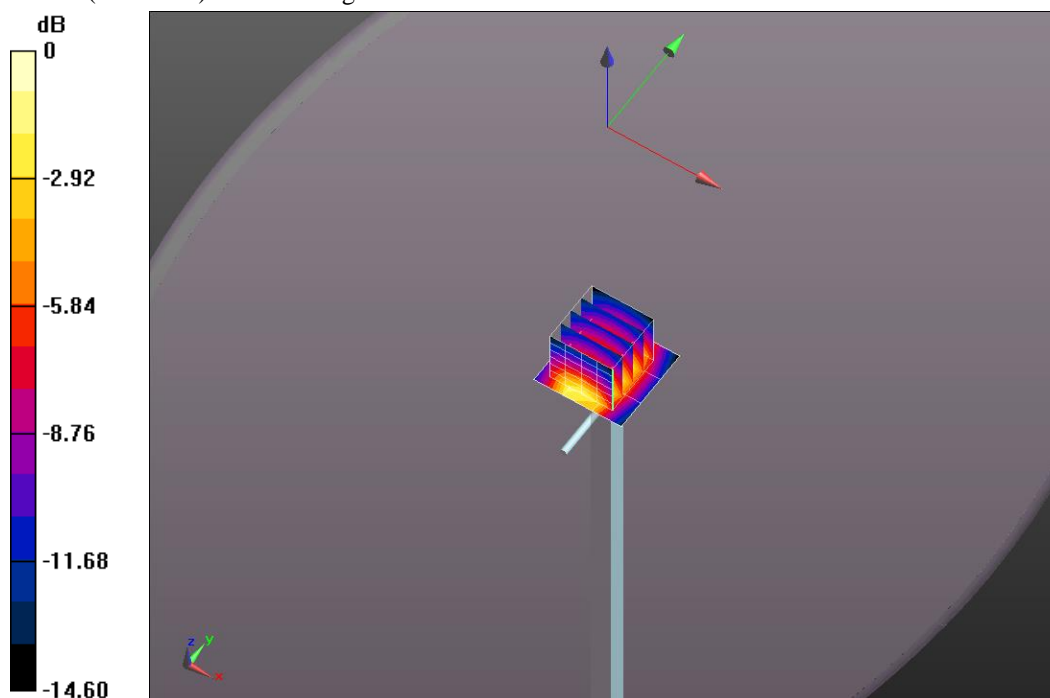
System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=1W, dist=3.0mm (ES-Probe)/Zoom Scan (7x7x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 175.9 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 65.036 mW/g

SAR(1 g) = 36.6 mW/g; SAR(10 g) = 19.2 mW/g

Maximum value of SAR (measured) = 46.3 mW/g



0 dB = 34.4 mW/g = 30.73 dB mW/g

Plot 17 Date/Time: 11/6/2015 6:47:17 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; $\sigma = 1.527$ mho/m; $\epsilon_r = 51.061$; $\rho = 1000$ 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: 20.3C; 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);

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) = 35.7 mW/g

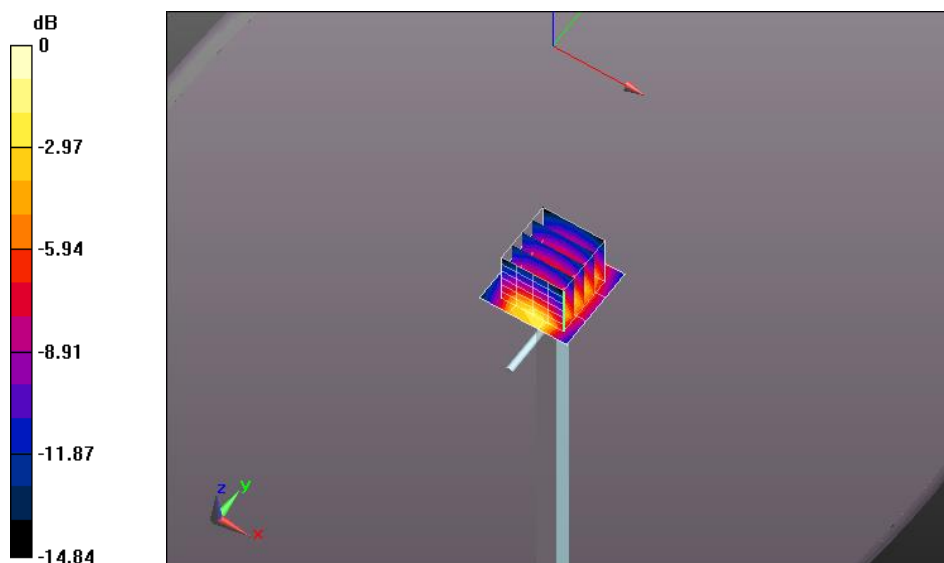
System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=1W, dist=3.0mm (ES-Probe)/Zoom Scan (7x7x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 181.0 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 65.519 mW/g

SAR(1 g) = 37.1 mW/g; SAR(10 g) = 19.5 mW/g

Maximum value of SAR (measured) = 46.9 mW/g



Plot 18 Date/Time: 8/2/2016 10:32:17 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; Frequency: 835 MHz

Medium: MSL900_Batch 110518-7

Medium parameters used: $f = 835$ MHz; $\sigma = 0.956$ S/m; $\epsilon_r = 55.155$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: Kathy; Air Temperature: 23.8c; Medium Temperature: 23.8c; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3244; ConvF(6.24, 6.24, 6.24); Calibrated: 4/28/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1265; Calibrated: 5/11/2016
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1092
- DASY52 52.8.8(1222);

System Performance Check at Frequencies above 1 GHz/ $d=10$ mm, $P_{in}=0.1$ W, $dist=3.0$ mm

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

Maximum value of SAR (measured) = 0.999 W/kg

System Performance Check at Frequencies above 1 GHz/ $d=10$ mm, $P_{in}=0.1$ W, $dist=3.0$ mm

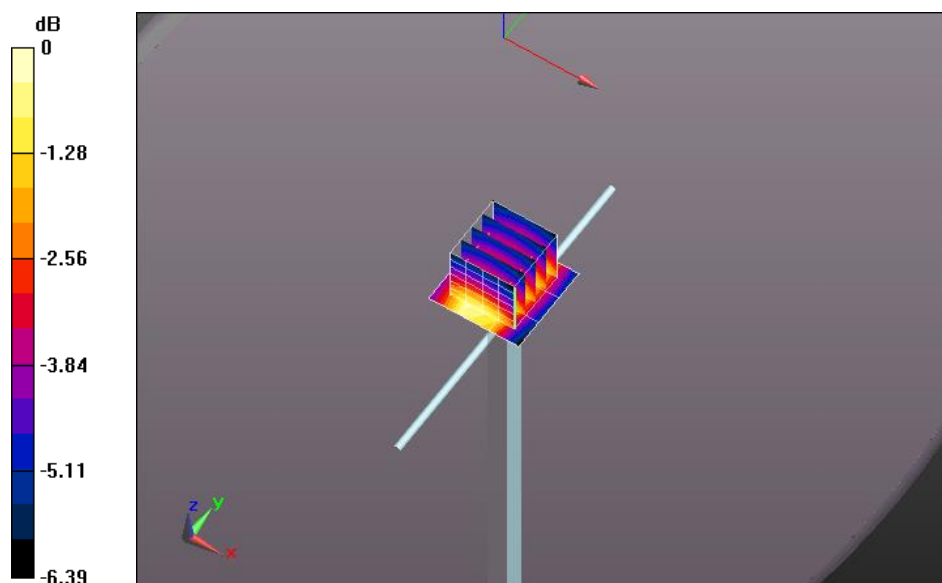
(ES-Probe)/Zoom Scan (7x7x7) (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 34.94 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.40 W/kg

SAR(1 g) = 0.950 W/kg; SAR(10 g) = 0.632 W/kg

Maximum value of SAR (measured) = 1.10 W/kg



0 dB = 0.999 W/kg = -0.01 dBW/kg

Plot 19 Date/Time: 8/4/2016 2:05:32 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; $\sigma = 1.515$ S/m; $\epsilon_r = 51.625$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Procedure Notes: Test Technician: Kathy; Air Temperature: 24C; Medium Temperature: 23.7C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3244; ConvF(4.81, 4.81, 4.81); Calibrated: 4/28/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1265; Calibrated: 5/11/2016
- 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) = 3.86 W/kg

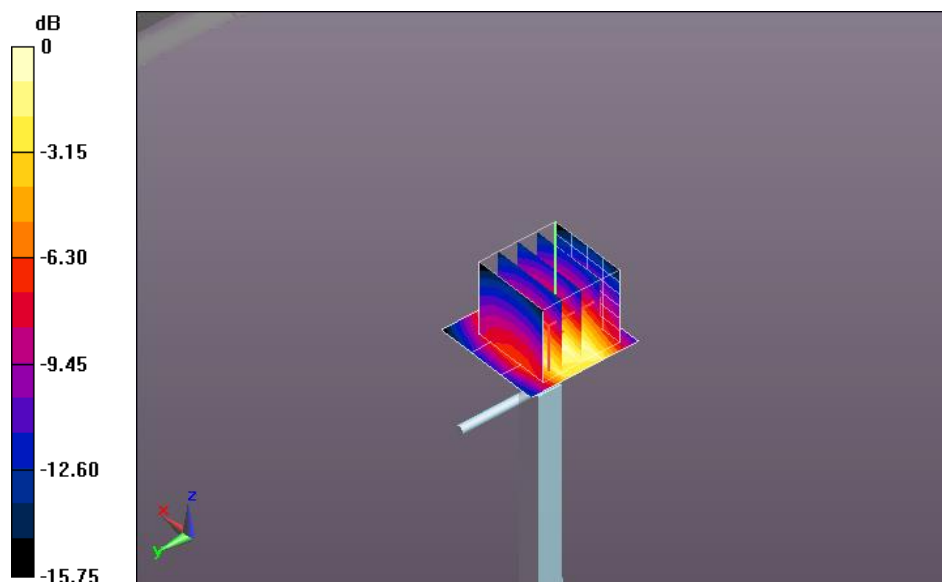
System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=1W, dist=3.0mm (ES-Probe)/Zoom Scan (7x7x7) (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 59.51 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 6.93 W/kg

SAR(1 g) = 4.05 W/kg; SAR(10 g) = 2.16 W/kg

Maximum value of SAR (measured) = 5.06 W/kg



0 dB = 3.86 W/kg = 5.86 dBW/kg