

System Check_Body_835MHz_111007

DUT: Dipole 835 MHz

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: MSL_850_111007 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.955 \text{ mho/m}$; $\epsilon_r = 52.7$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(9.02, 9.02, 9.02); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- ; SEMCAD X Version 13.4 Build 125

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 2.55 mW/g

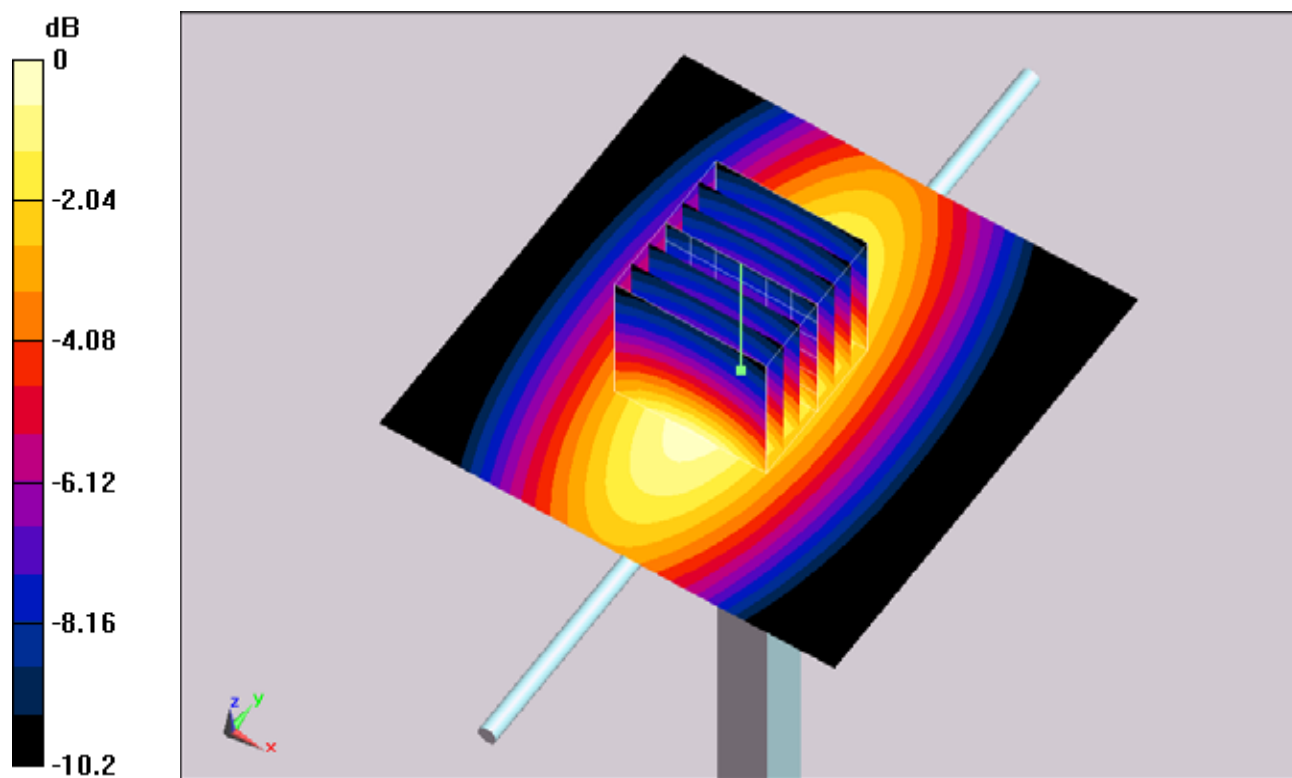
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 51.5 V/m; Power Drift = 0.018 dB

Peak SAR (extrapolated) = 3.51 W/kg

SAR(1 g) = 2.36 mW/g; SAR(10 g) = 1.54 mW/g

Maximum value of SAR (measured) = 2.54 mW/g



0 dB = 2.54mW/g

System Check_Body_835MHz_111008

DUT: Dipole 835 MHz

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: MSL_850_111008 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.996 \text{ mho/m}$; $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(9.02, 9.02, 9.02); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- ; SEMCAD X Version 13.4 Build 125

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 2.68 mW/g

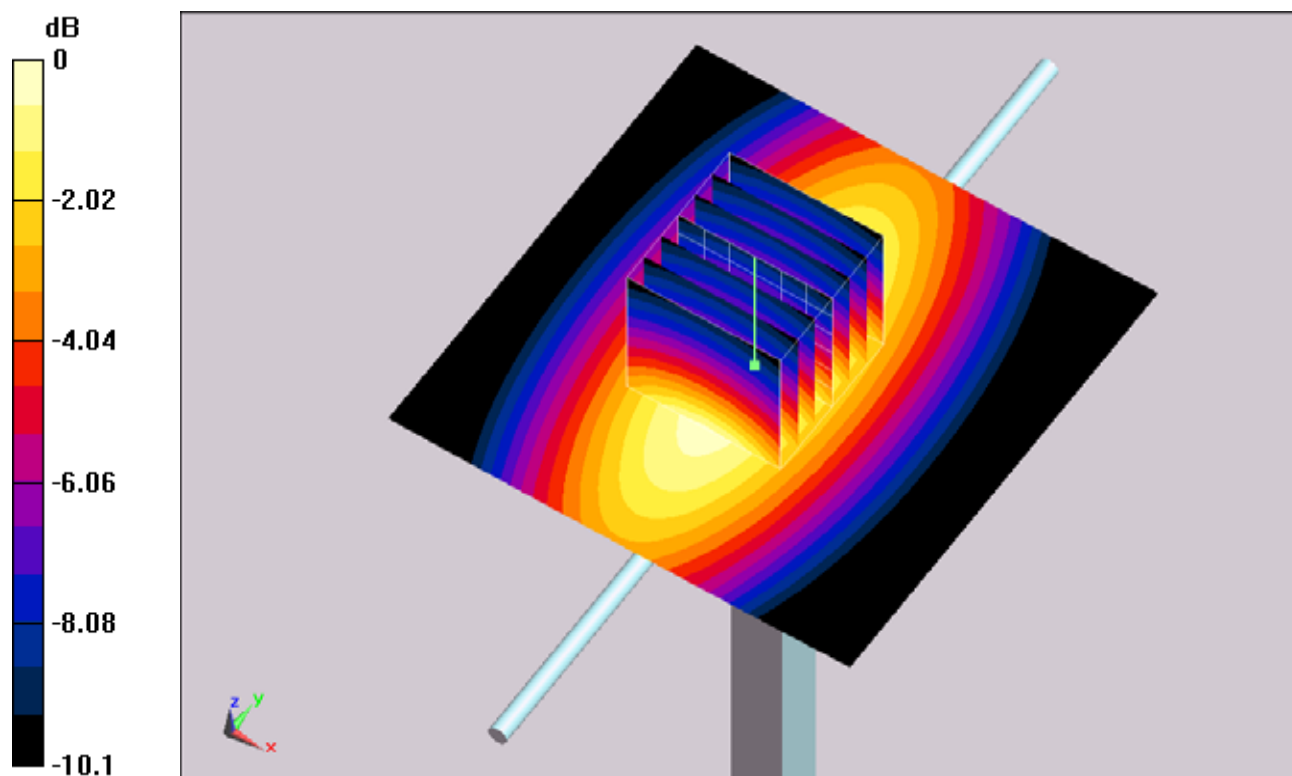
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 51.7 V/m; Power Drift = 0.044 dB

Peak SAR (extrapolated) = 3.69 W/kg

SAR(1 g) = 2.48 mW/g; SAR(10 g) = 1.63 mW/g

Maximum value of SAR (measured) = 2.68 mW/g



0 dB = 2.68mW/g

System Check_Body_835MHz_111014

DUT: Dipole 835 MHz

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: MSL_850_111014 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.994 \text{ mho/m}$; $\epsilon_r = 56$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011/9/2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Pin=250mW/Area Scan (61x61x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 2.48 mW/g

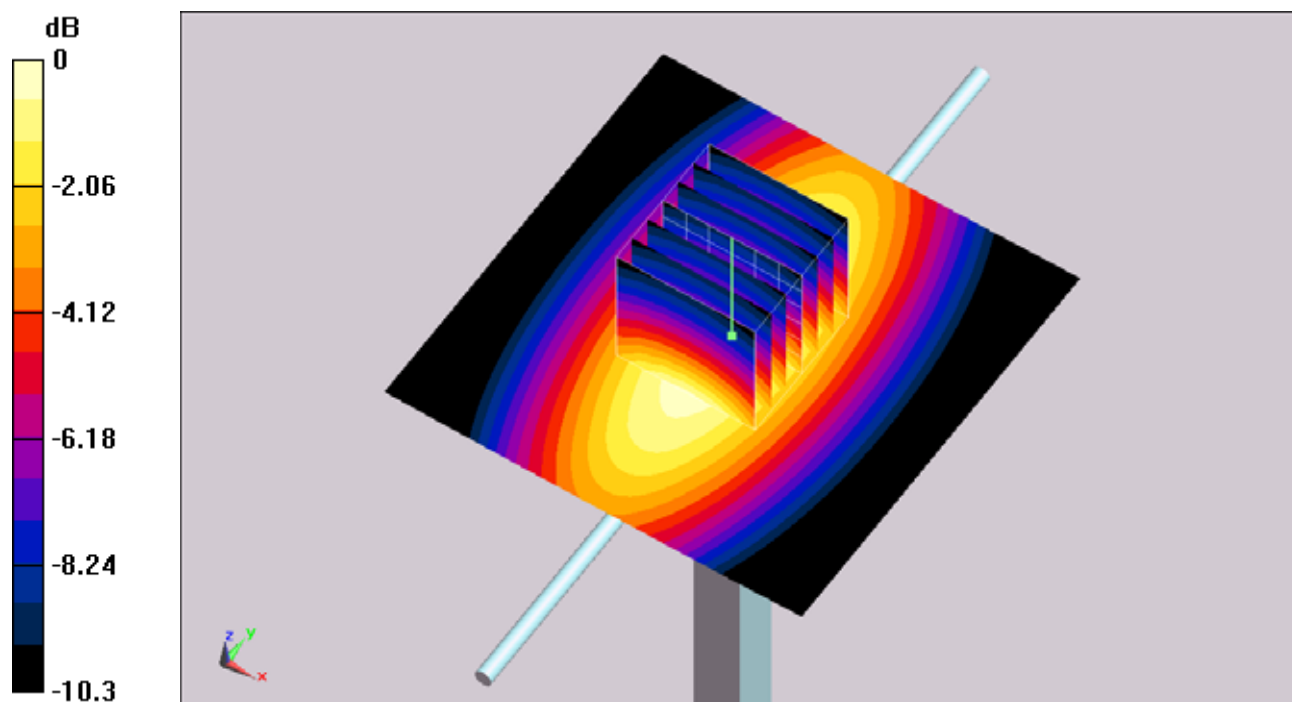
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 50 V/m; Power Drift = -0.016 dB

Peak SAR (extrapolated) = 3.36 W/kg

SAR(1 g) = 2.29 mW/g; SAR(10 g) = 1.5 mW/g

Maximum value of SAR (measured) = 2.48 mW/g



0 dB = 2.48mW/g

System Check_Body_1800MHz_111008

DUT: Dipole 1800 MHz

Communication System: CW; Frequency: 1800 MHz; Duty Cycle: 1:1

Medium: MSL_1800_111008 Medium parameters used: $f = 1800 \text{ MHz}$; $\sigma = 1.55 \text{ mho/m}$; $\epsilon_r = 52.2$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Pin=250mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 11.2 mW/g

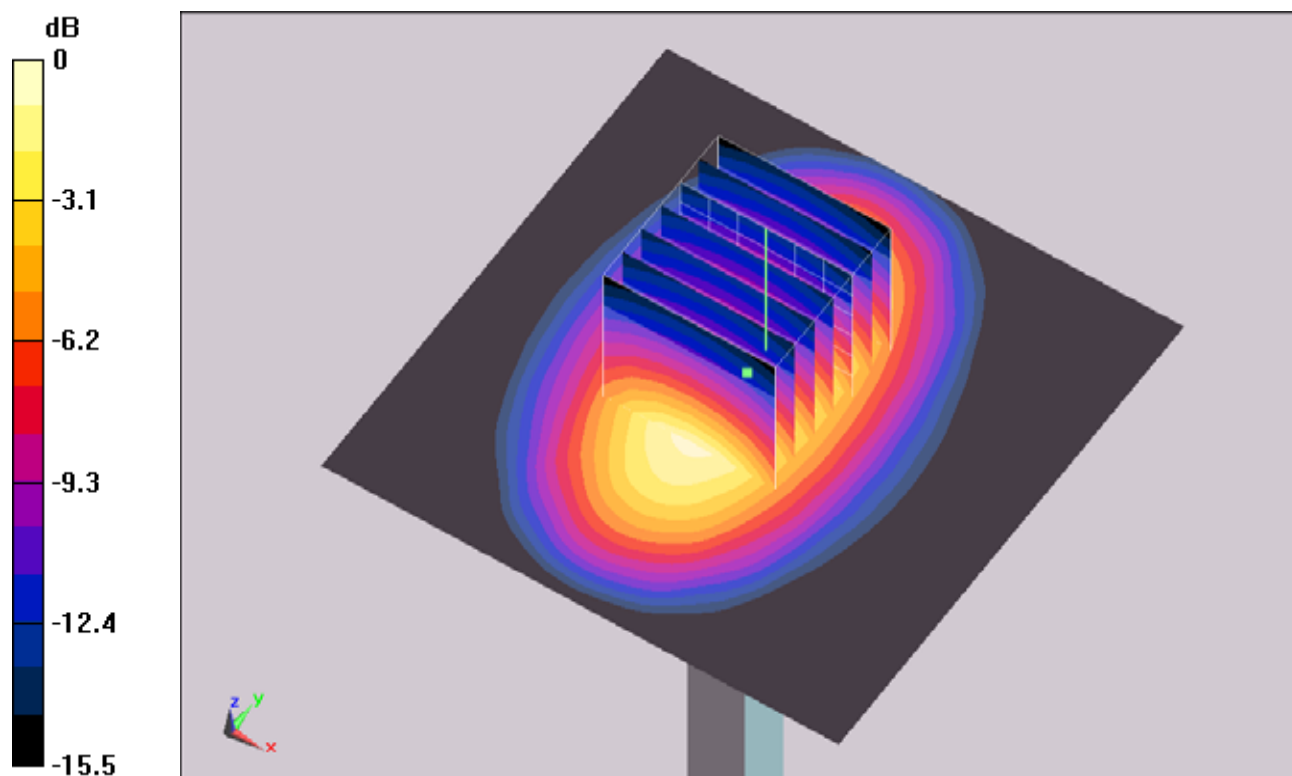
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 82.2 V/m; Power Drift = 0.093 dB

Peak SAR (extrapolated) = 18.5 W/kg

SAR(1 g) = 10.1 mW/g; SAR(10 g) = 5.59 mW/g

Maximum value of SAR (measured) = 11.2 mW/g



0 dB = 11.2mW/g

System Check_Body_1800MHz_111011

DUT: Dipole 1800 MHz

Communication System: CW; Frequency: 1800 MHz; Duty Cycle: 1:1

Medium: MSL_1800_111011 Medium parameters used: $f = 1800 \text{ MHz}$; $\sigma = 1.54 \text{ mho/m}$; $\epsilon_r = 53.3$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.3 ; Liquid Temperature : 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- ; SEMCAD X Version 13.4 Build 125

Pin=250mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

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

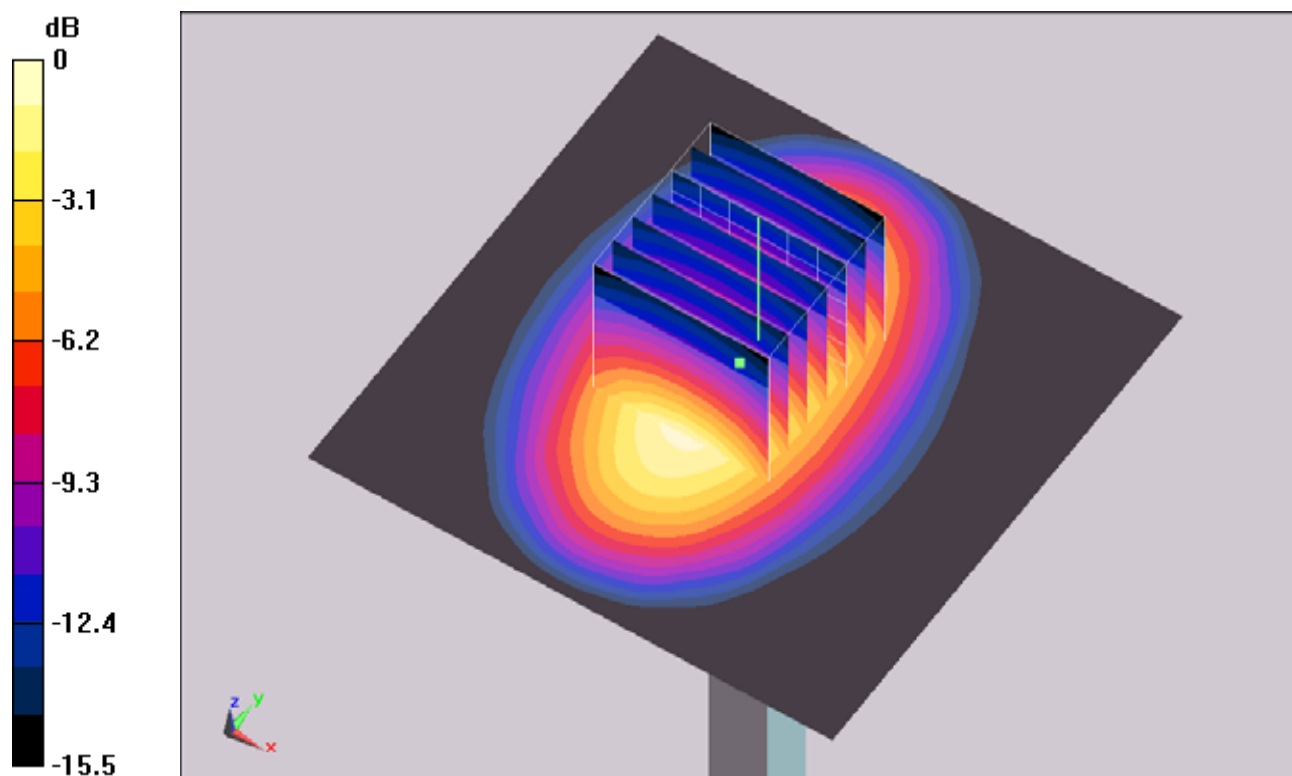
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 81 V/m; Power Drift = 0.076 dB

Peak SAR (extrapolated) = 17.8 W/kg

SAR(1 g) = 9.68 mW/g; SAR(10 g) = 5.36 mW/g

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



0 dB = 10.7mW/g

System Check_Body_1900MHz_111007

DUT: Dipole 1900 MHz

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: MSL_1900_111007 Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.6 ; Liquid Temperature : 21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.17, 7.17, 7.17); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Pin=250mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 11.3 mW/g

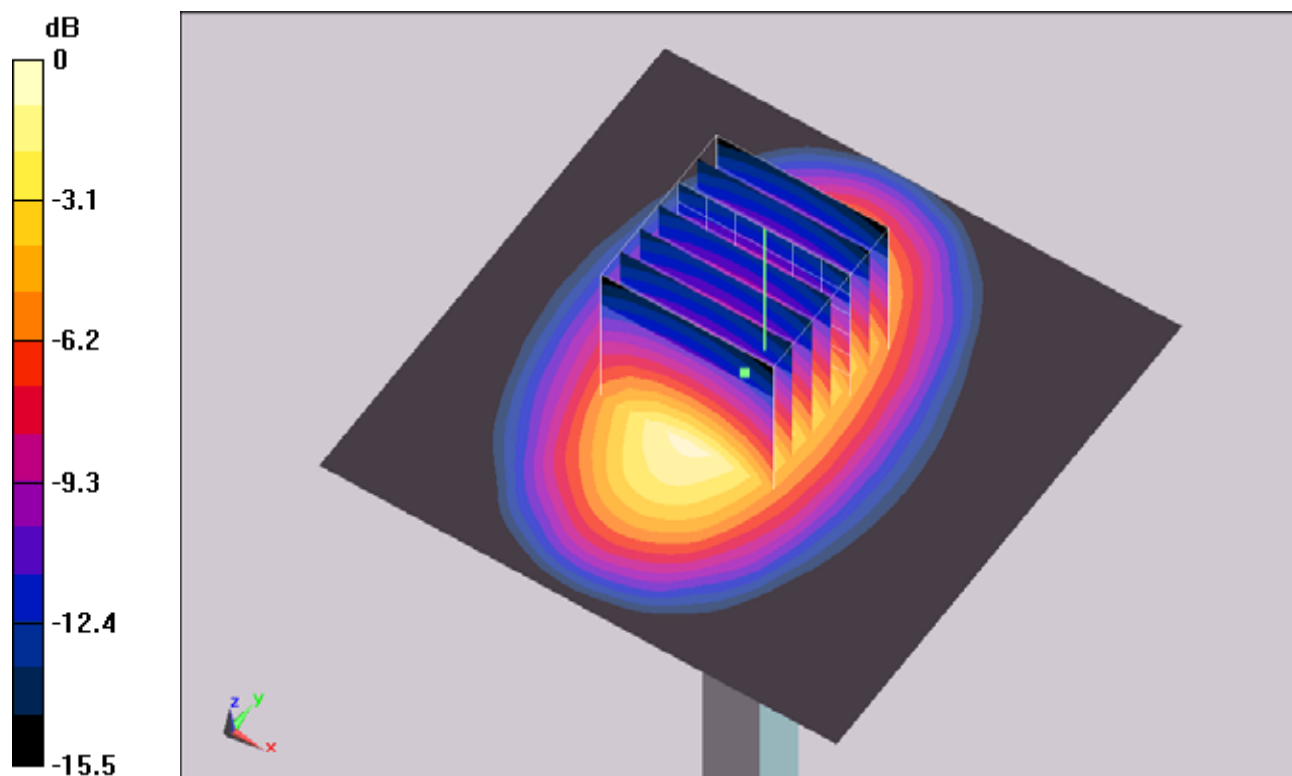
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 84.1 V/m; Power Drift = 0.093 dB

Peak SAR (extrapolated) = 18.8 W/kg

SAR(1 g) = 10.2 mW/g; SAR(10 g) = 5.67 mW/g

Maximum value of SAR (measured) = 11.3 mW/g



0 dB = 11.3mW/g

System Check_Body_1900MHz_111008

DUT: Dipole 1900 MHz

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: MSL_1900_111008 Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.52 \text{ mho/m}$; $\epsilon_r = 54.6$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.17, 7.17, 7.17); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Pin=250mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 12 mW/g

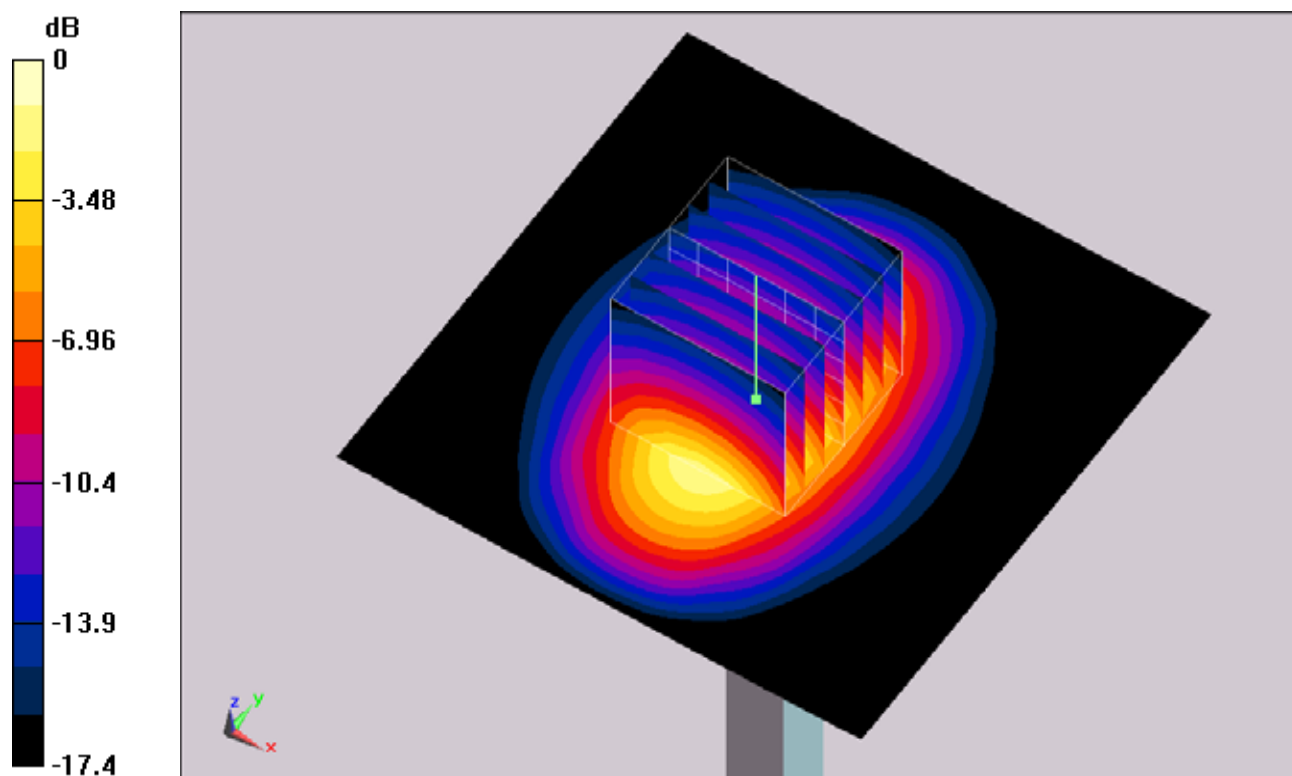
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 87.2 V/m; Power Drift = -0.016 dB

Peak SAR (extrapolated) = 19.4 W/kg

SAR(1 g) = 10.4 mW/g; SAR(10 g) = 5.37 mW/g

Maximum value of SAR (measured) = 11.8 mW/g



0 dB = 11.8mW/g

System Check_Body_1900MHz_111013

DUT: Dipole 1900 MHz

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: MSL_1900_111013 Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 53.3$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.17, 7.17, 7.17); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Pin=250mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 11.8 mW/g

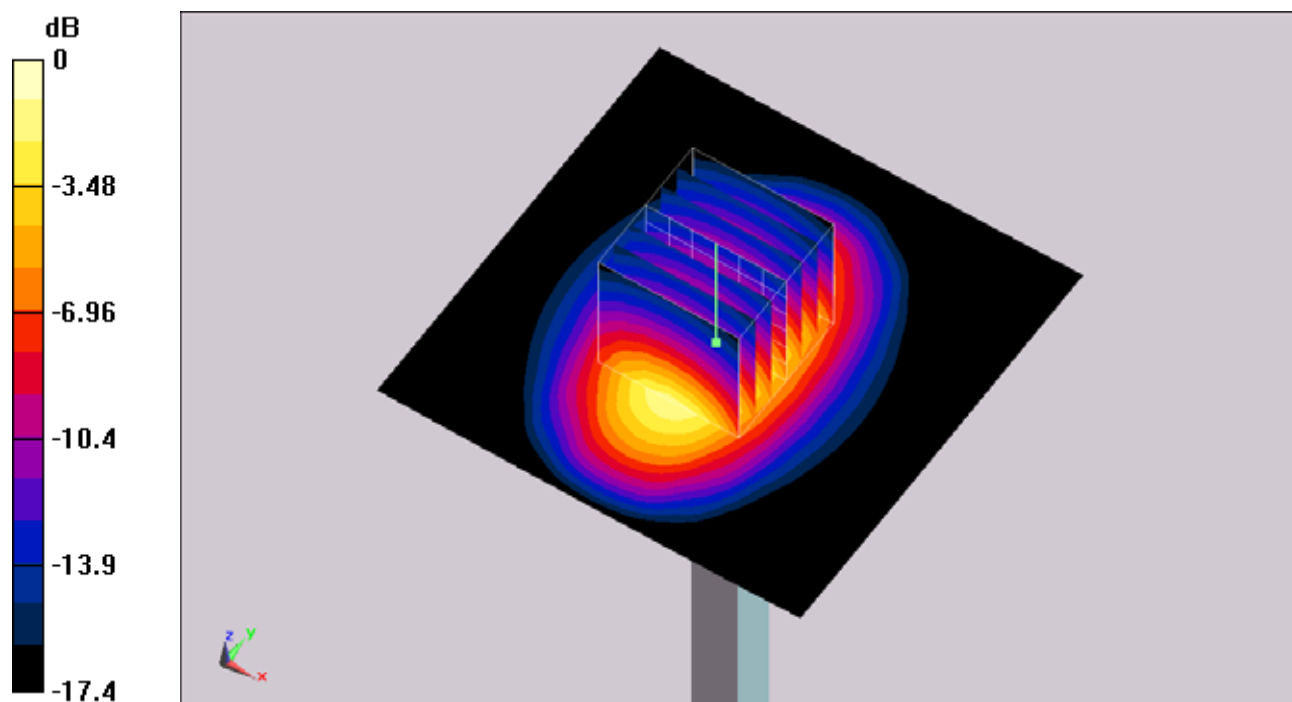
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 87.2 V/m; Power Drift = -0.016 dB

Peak SAR (extrapolated) = 19.2 W/kg

SAR(1 g) = 10.3 mW/g; SAR(10 g) = 5.3 mW/g

Maximum value of SAR (measured) = 11.7 mW/g



0 dB = 11.7mW/g

System Check_Body_1900MHz_111014

DUT: Dipole 1900 MHz

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: MSL_1900_111014 Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.54 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.4 ; Liquid Temperature : 21.4

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.64, 4.64, 4.64); Calibrated: 2011/9/12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/6/24
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Pin=250mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 12 mW/g

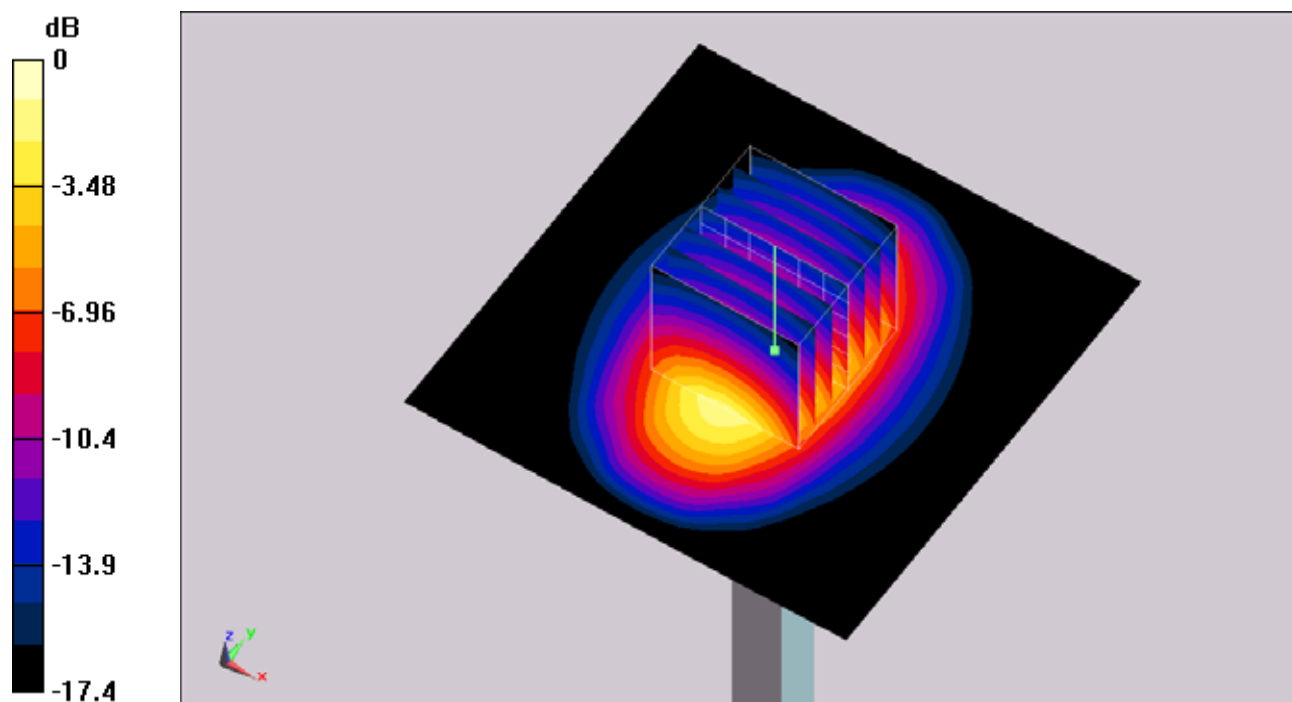
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 89.2 V/m; Power Drift = -0.096 dB

Peak SAR (extrapolated) = 19.4 W/kg

SAR(1 g) = 10.5 mW/g; SAR(10 g) = 5.38 mW/g

Maximum value of SAR (measured) = 11.9 mW/g



0 dB = 11.9mW/g

System Check_Body_1900MHz_111018

DUT: Dipole 1900 MHz

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: MSL_1900_111018 Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.53 \text{ mho/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.3 ; Liquid Temperature : 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011/9/2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 12.7 mW/g

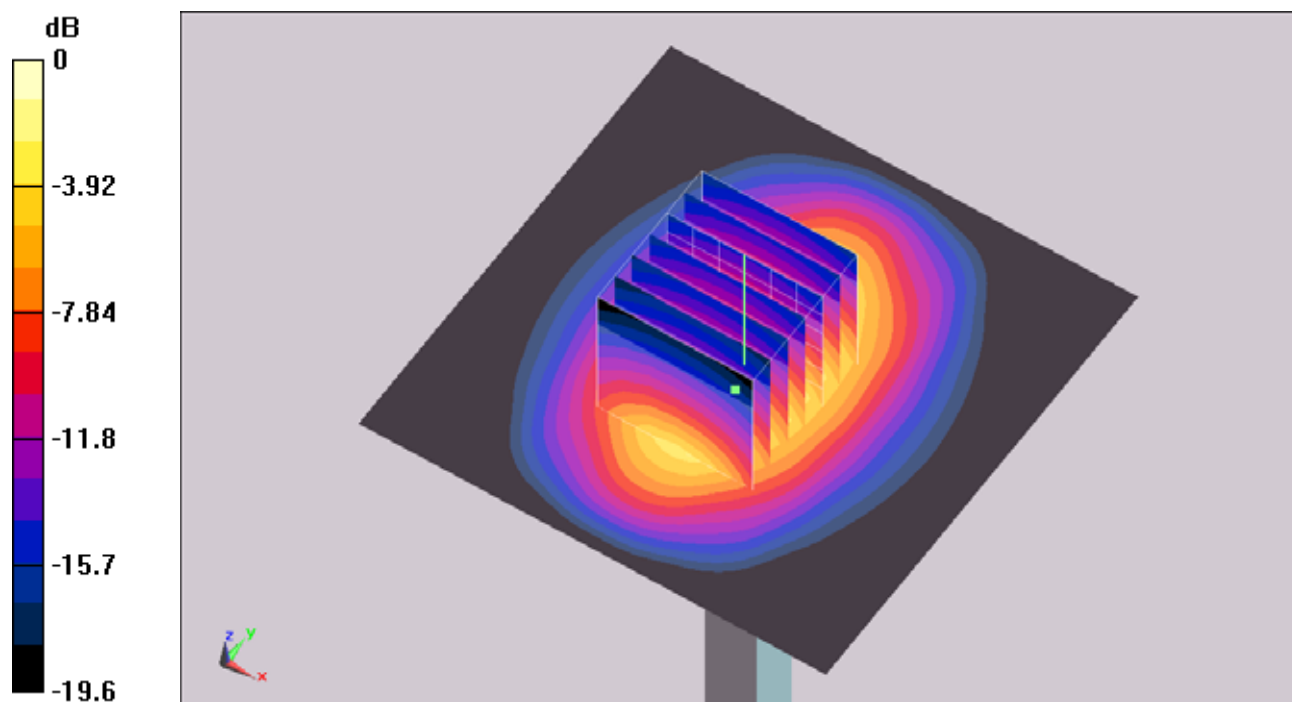
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 89.5 V/m; Power Drift = -0.050 dB

Peak SAR (extrapolated) = 20.8 W/kg

SAR(1 g) = 10.7 mW/g; SAR(10 g) = 5.4 mW/g

Maximum value of SAR (measured) = 12.1 mW/g



0 dB = 12.1mW/g