

System Check_Body_750MHz_111212

DUT: Dipole 750 MHz

Communication System: CW; Frequency: 750 MHz; Duty Cycle: 1:1

Medium: MSL_750_111212 Medium parameters used: $f = 750$ MHz; $\sigma = 0.965$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 ; Liquid Temperature : 21.4

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.35, 6.35, 6.35); Calibrated: 2011/5/20

- 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

- Dipole: D750V3 - SN1012; Calibrated: 2010/6/11

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

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

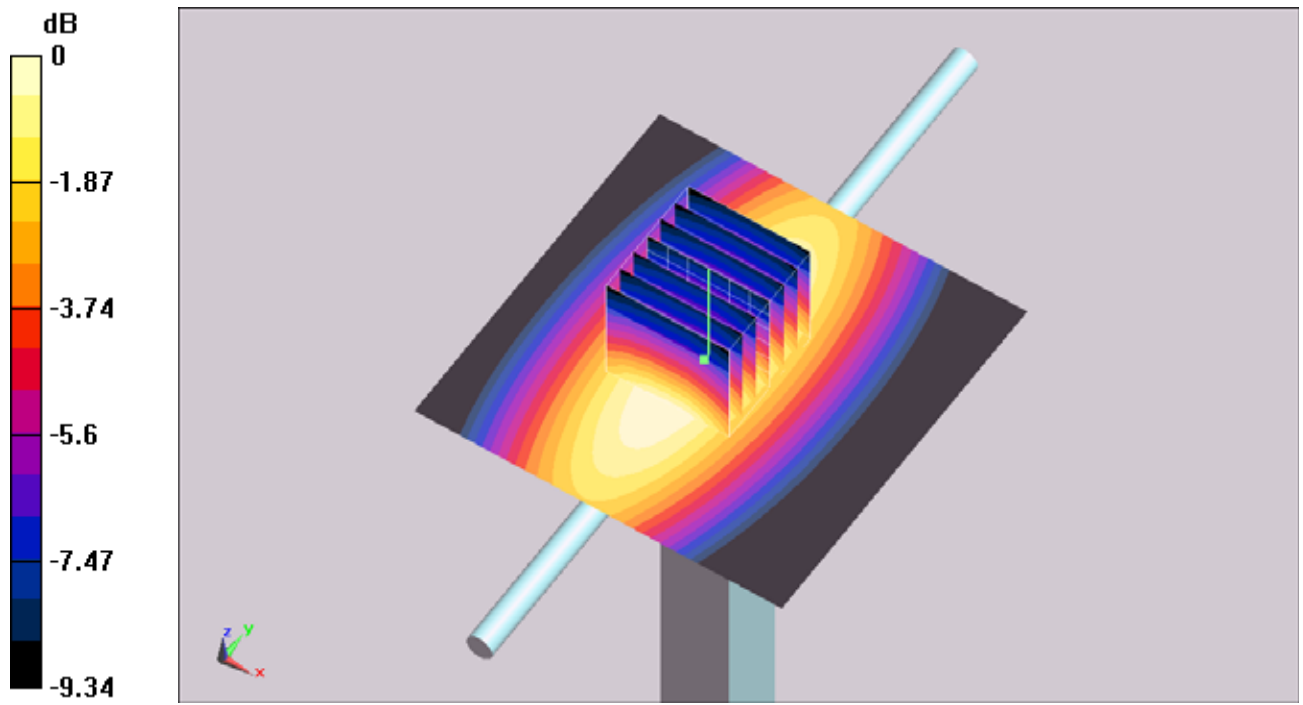
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50 V/m; Power Drift = 0.185 dB

Peak SAR (extrapolated) = 3 W/kg

SAR(1 g) = 2.22 mW/g; SAR(10 g) = 1.52 mW/g

Maximum value of SAR (measured) = 2.37 mW/g



0 dB = 2.37mW/g

System Check_Body_835MHz_111208

DUT: Dipole 835 MHz

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

Medium: MSL_850_111208 Medium parameters used: $f = 835$ MHz; $\sigma = 0.977$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$

kg/m³

Ambient Temperature : 22.3 ; Liquid Temperature : 21.3

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.22, 6.22, 6.22); Calibrated: 2011/5/20

- 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

- Dipole: D835V2 - SN499; Calibrated: 2010/5/22

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

Maximum value of SAR (interpolated) = 2.81 mW/g

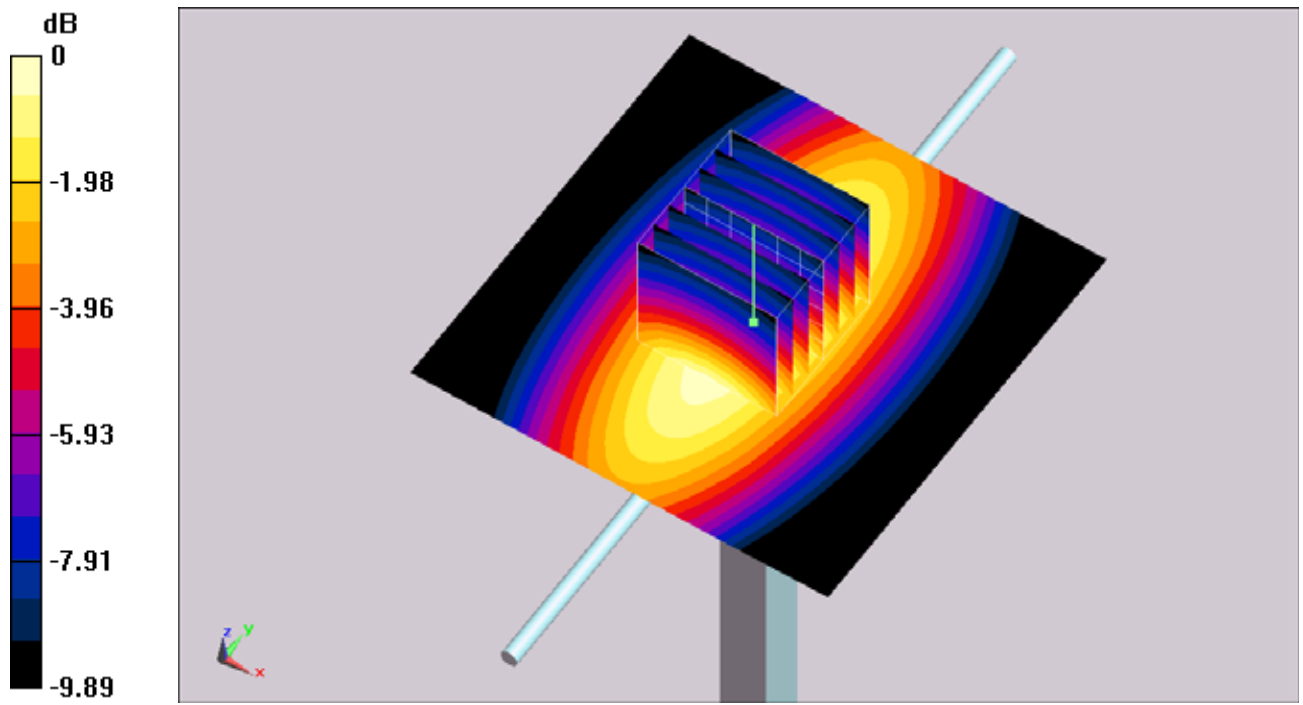
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56 V/m; Power Drift = -0.00318 dB

Peak SAR (extrapolated) = 3.58 W/kg

SAR(1 g) = 2.59 mW/g; SAR(10 g) = 1.73 mW/g

Maximum value of SAR (measured) = 2.81 mW/g



0 dB = 2.81mW/g

System Check_Body_1750MHz_120110

DUT: Dipole 1750 MHz

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: MSL_1800_120110 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY4 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.74, 4.74, 4.74); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186
- Dipole: D1750V2 - SN1023; Calibrated: 2011/6/16

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

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

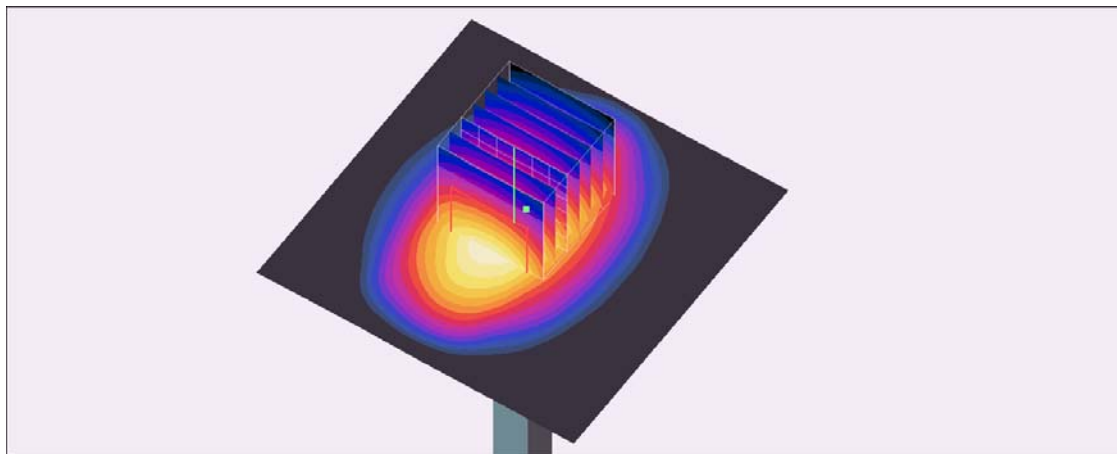
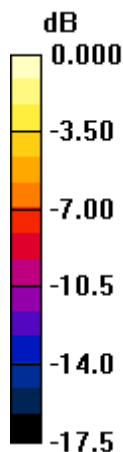
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 86.4 V/m; Power Drift = 0.029 dB

Peak SAR (extrapolated) = 14.6 W/kg

SAR(1 g) = 9.04 mW/g; SAR(10 g) = 4.9 mW/g

Maximum value of SAR (measured) = 10.4 mW/g



0 dB = 10.4mW/g

System Check_Body_1900MHz_111209

DUT: Dipole 1900 MHz

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

Medium: MSL_1900_111209 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 53.6$; $\rho = 1000$

kg/m³

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/5/20
- 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
- Dipole: D1900V2 - SN5d041; Calibrated: 2010/5/23

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

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

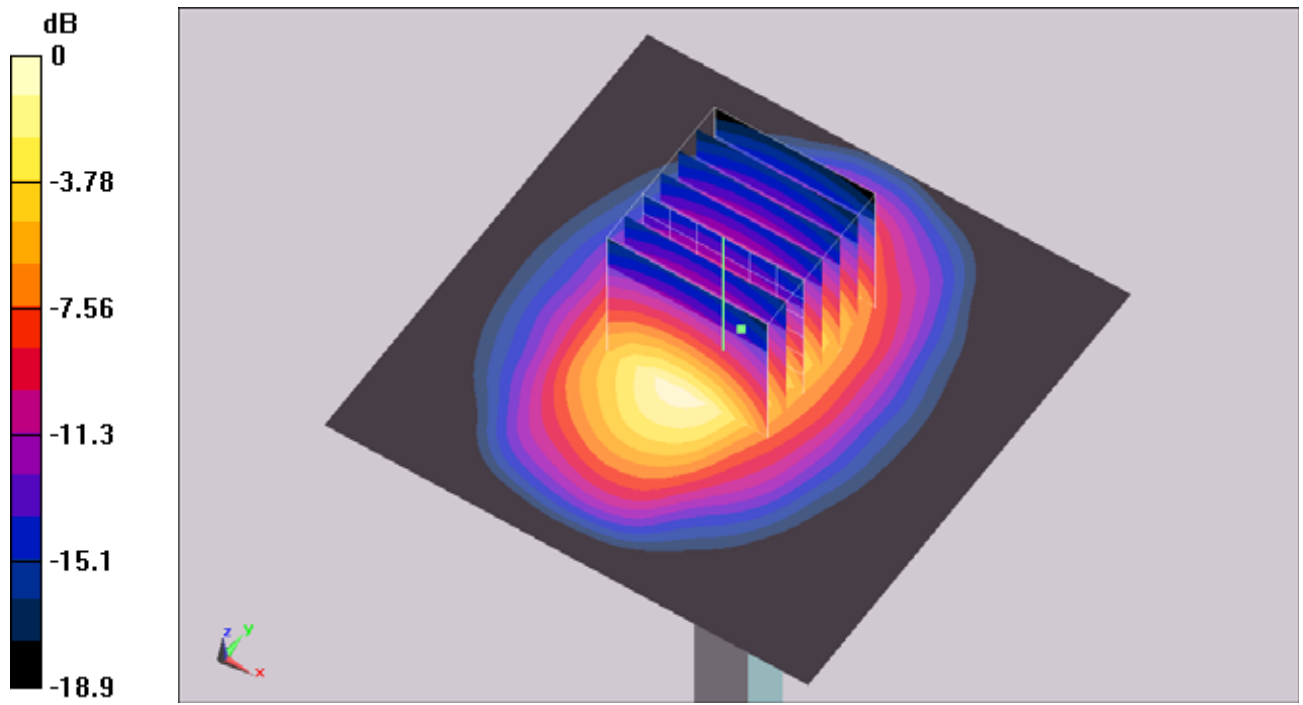
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 88.4 V/m; Power Drift = 0.117 dB

Peak SAR (extrapolated) = 16.6 W/kg

SAR(1 g) = 9.53 mW/g; SAR(10 g) = 4.93 mW/g

Maximum value of SAR (measured) = 10.8 mW/g



0 dB = 10.8mW/g

System Check_Body_2450MHz_111226

DUT: Dipole 2450 MHz

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: MSL_2450_111226 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(6.67, 6.67, 6.67); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186
- Dipole: D2450V2 - SN736; Calibrated: 2011/7/25

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

Maximum value of SAR (interpolated) = 15.6 mW/g

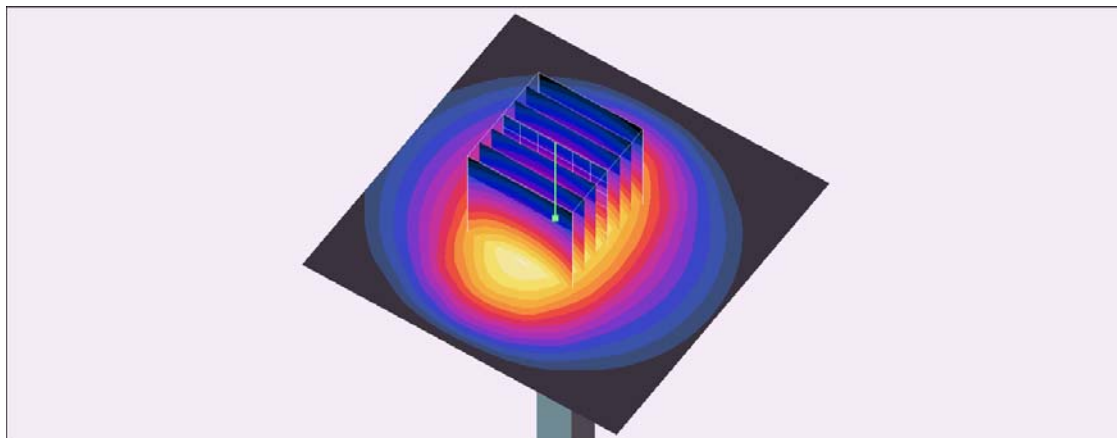
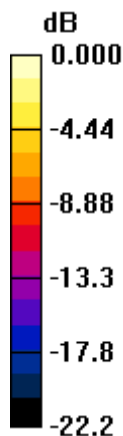
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 85.4 V/m; Power Drift = 0.136 dB

Peak SAR (extrapolated) = 30.2 W/kg

SAR(1 g) = 13.8 mW/g; SAR(10 g) = 6.55 mW/g

Maximum value of SAR (measured) = 15.3 mW/g



0 dB = 15.3mW/g

System Check_Body_5200MHz_111122

DUT: Dipole 5GHz

Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: MSL_5G_111122 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.16$ mho/m; $\epsilon_r = 48.5$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4°C

DASY4 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/6/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186
- Dipole: D5GHzV2 - SN1040; Calibrated: 2011/6/21

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

Maximum value of SAR (interpolated) = 32.1 mW/g

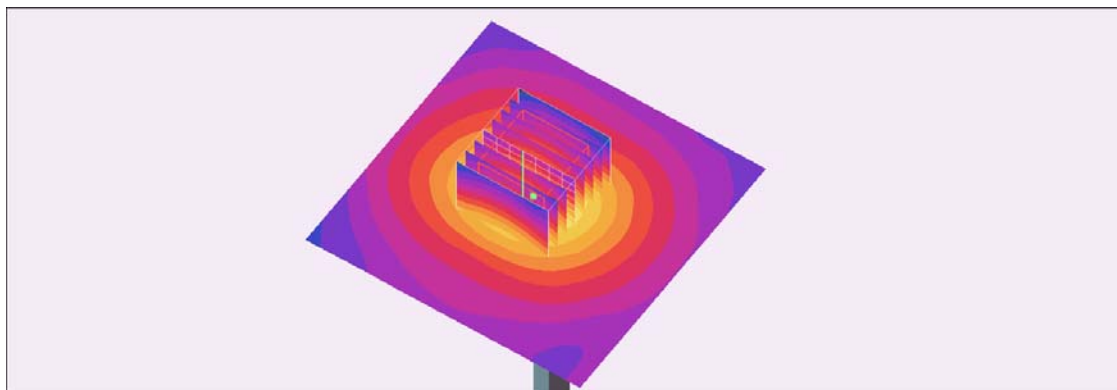
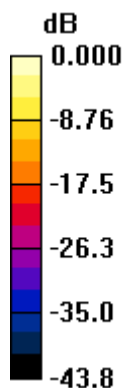
Pin=250mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 80.6 V/m; Power Drift = 0.187 dB

Peak SAR (extrapolated) = 60.3 W/kg

SAR(1 g) = 18.5 mW/g; SAR(10 g) = 5.27 mW/g

Maximum value of SAR (measured) = 31.5 mW/g



0 dB = 31.5mW/g

System Check_Body_5500MHz_111122

DUT: Dipole 5GHz

Communication System: CW; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: MSL_5G_111122 Medium parameters used: $f = 5500$ MHz; $\sigma = 5.74$ mho/m; $\epsilon_r = 48.6$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.76, 3.76, 3.76); Calibrated: 2011/6/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186
- Dipole: D5GHzV2 - SN1040; Calibrated: 2011/6/21

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

Maximum value of SAR (interpolated) = 38.2 mW/g

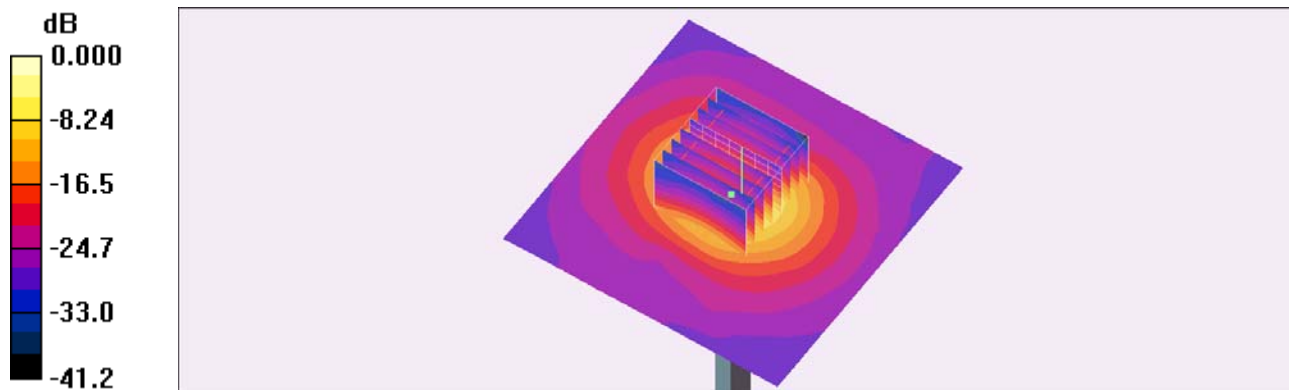
Pin=250mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 83.2 V/m; Power Drift = 0.085 dB

Peak SAR (extrapolated) = 62.0 W/kg

SAR(1 g) = 19.6 mW/g; SAR(10 g) = 5.58 mW/g

Maximum value of SAR (measured) = 34.7 mW/g



0 dB = 34.7mW/g

System Check_Body_5800MHz_111122

DUT: Dipole 5GHz

Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium: MSL_5G_111122 Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 6.13 \text{ mho/m}$; $\epsilon_r = 47.8$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.78, 3.78, 3.78); Calibrated: 2011/6/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186
- Dipole: D5GHzV2 - SN1040; Calibrated: 2011/6/21

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

Maximum value of SAR (interpolated) = 33.7 mW/g

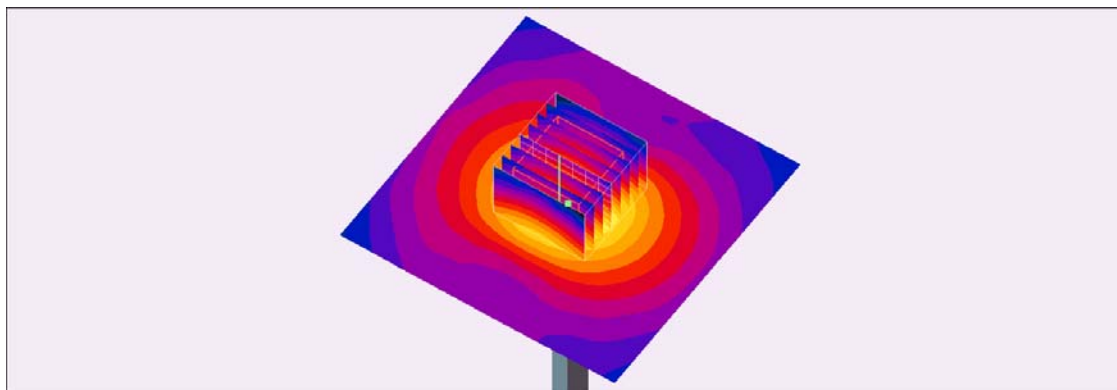
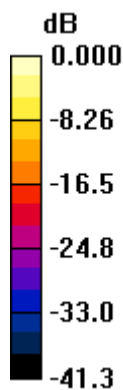
Pin=250mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 81.0 V/m; Power Drift = -0.003 dB

Peak SAR (extrapolated) = 53.6 W/kg

SAR(1 g) = 18.6 mW/g; SAR(10 g) = 5.39 mW/g

Maximum value of SAR (measured) = 31.4 mW/g



0 dB = 31.4mW/g