

System Check_Head_2450MHz_110614

DUT: Dipole 2450 MHz

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium: HSL_2450_110614 Medium parameters used: $f = 2450 \text{ MHz}$; $\sigma = 1.86 \text{ mho/m}$; $\epsilon_r = 39.2$; $\rho = 1000 \text{ kg/m}^3$
Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°C

DASY4 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.41, 4.41, 4.41); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=100mW/Area Scan (91x91x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 5.74 mW/g

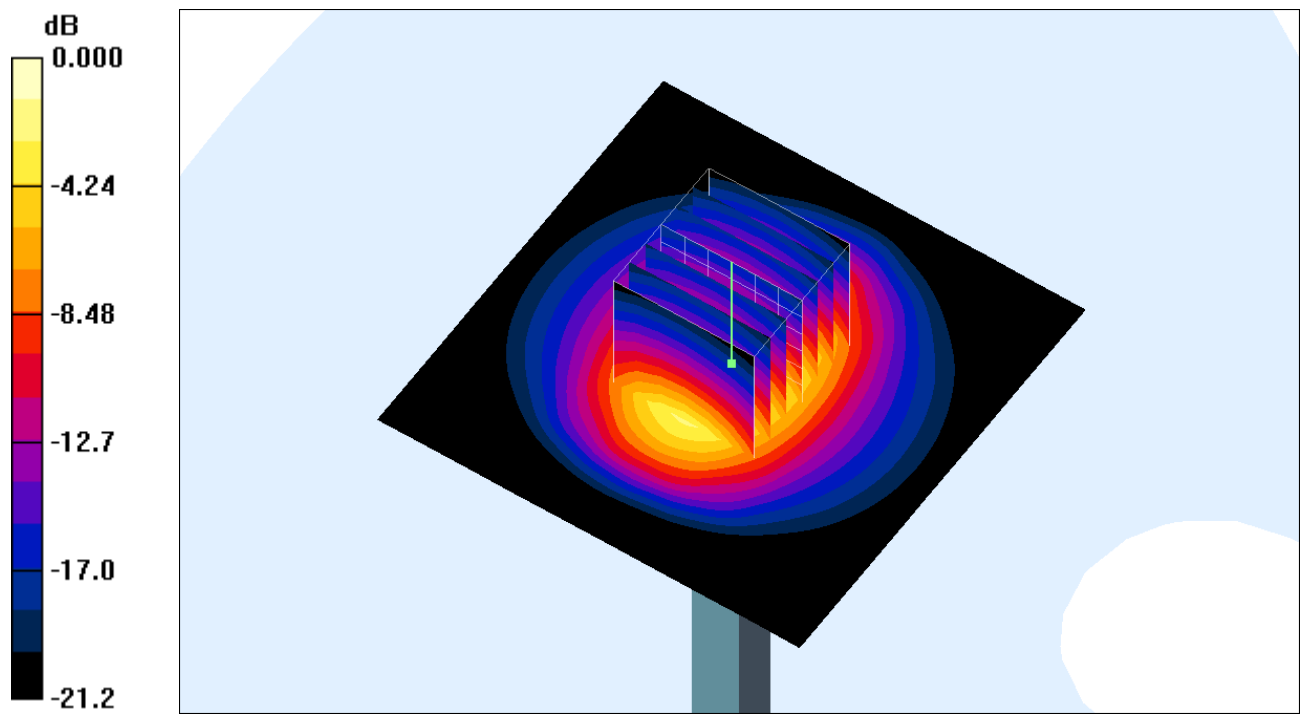
Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 57.5 V/m ; Power Drift = -0.019 dB

Peak SAR (extrapolated) = 10.6 W/kg

SAR(1 g) = 4.99 mW/g ; SAR(10 g) = 2.35 mW/g

Maximum value of SAR (measured) = 5.64 mW/g



0 dB = 5.64mW/g

System Check_Body_2450MHz_110618

DUT: Dipole 2450 MHz

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

Medium: MSL_2450_110618 Medium parameters used: $f = 2450 \text{ MHz}$; $\sigma = 1.92 \text{ mho/m}$; $\epsilon_r = 53.1$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.6°C ; Liquid Temperature : 21.7°C

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.02, 7.02, 7.02); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=100mW/Area Scan (91x91x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 6.70 mW/g

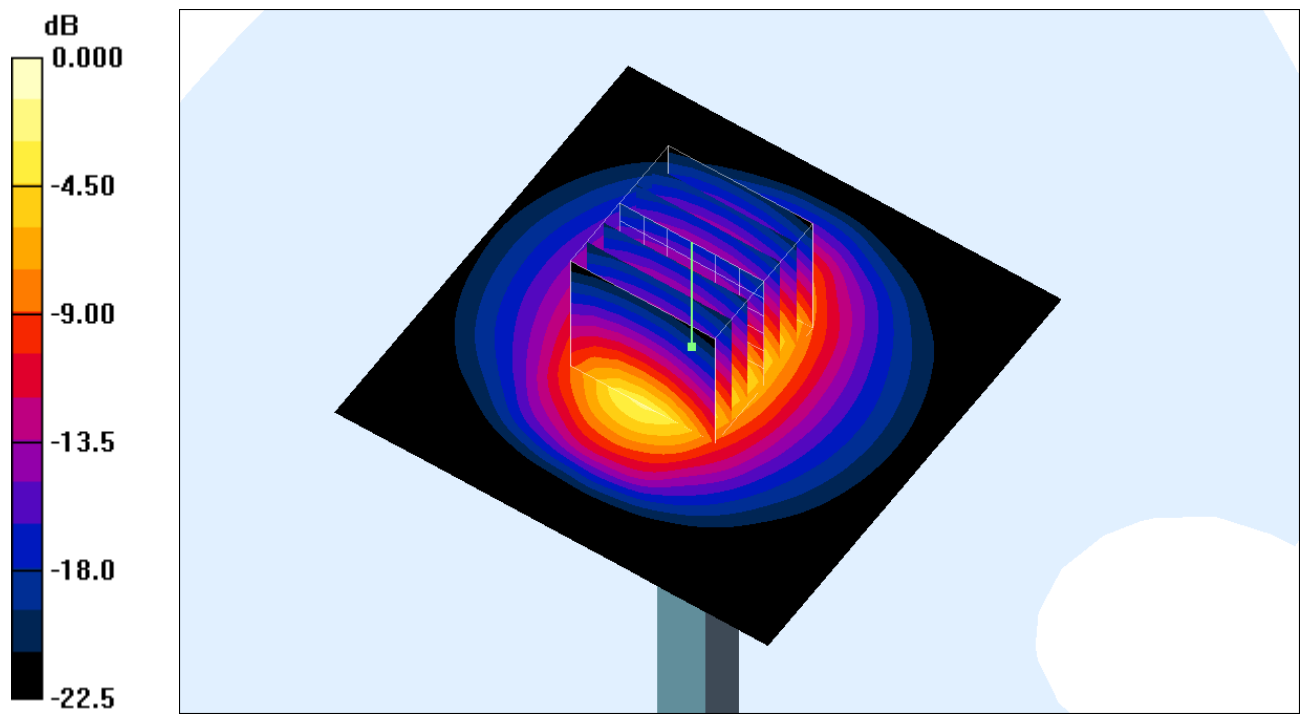
Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 57.0 V/m ; Power Drift = -0.137 dB

Peak SAR (extrapolated) = 11.8 W/kg

SAR(1 g) = 5.52 mW/g ; SAR(10 g) = 2.5 mW/g

Maximum value of SAR (measured) = 6.32 mW/g



0 dB = 6.32mW/g

System Check_Head_5200MHz_110611

DUT: Dipole 5GHz

Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1
Medium: HSL5G_110611 Medium parameters used: $f = 5200 \text{ MHz}$; $\sigma = 4.81 \text{ mho/m}$; $\epsilon_r = 35.5$; $\rho = 1000 \text{ kg/m}^3$
Ambient Temperature : $22.3 \text{ }^\circ\text{C}$; Liquid Temperature : $21.3 \text{ }^\circ\text{C}$

DASY4 Configuration:

- Probe: EX3DV4 - SN3731; ConvF(4.83, 4.83, 4.83); Calibrated: 2010/9/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM_Left; Type: SAM; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=100mW/Area Scan (91x91x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 14.7 mW/g

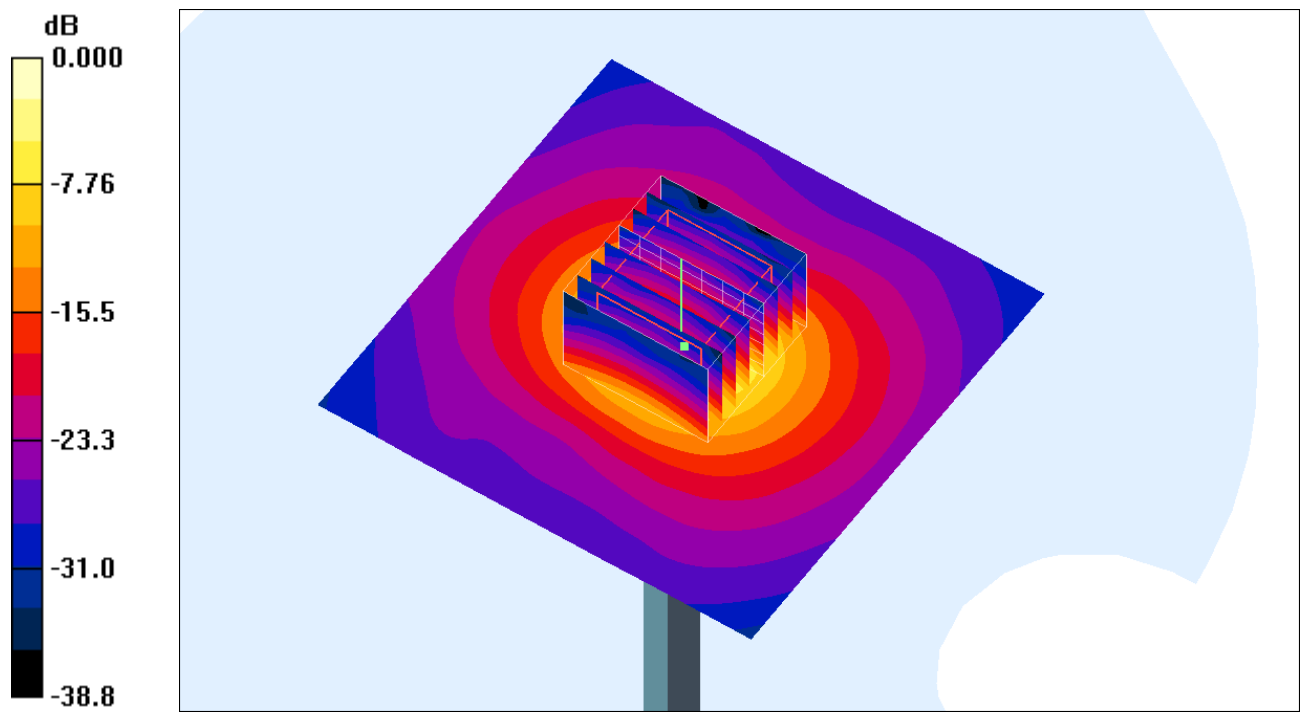
Pin=100mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 56.4 V/m ; Power Drift = -0.007 dB

Peak SAR (extrapolated) = 31.3 W/kg

SAR(1 g) = 8.04 mW/g ; SAR(10 g) = 2.3 mW/g

Maximum value of SAR (measured) = 13.5 mW/g



0 dB = 13.5mW/g

System Check_Body_5200MHz_110615

DUT: Dipole 5GHz

Communication System: 802.11a; Frequency: 5200 MHz; Duty Cycle: 1:1
Medium: MSL_5G_110615 Medium parameters used: $f = 5200 \text{ MHz}$; $\sigma = 5.28 \text{ mho/m}$; $\epsilon_r = 47.6$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : $22.6 \text{ }^\circ\text{C}$; Liquid Temperature : $21.6 \text{ }^\circ\text{C}$

DASY4 Configuration:

- Probe: EX3DV4 - SN3731; ConvF(3.87, 3.87, 3.87); Calibrated: 2010/9/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=100mW/Area Scan (91x91x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 13.1 mW/g

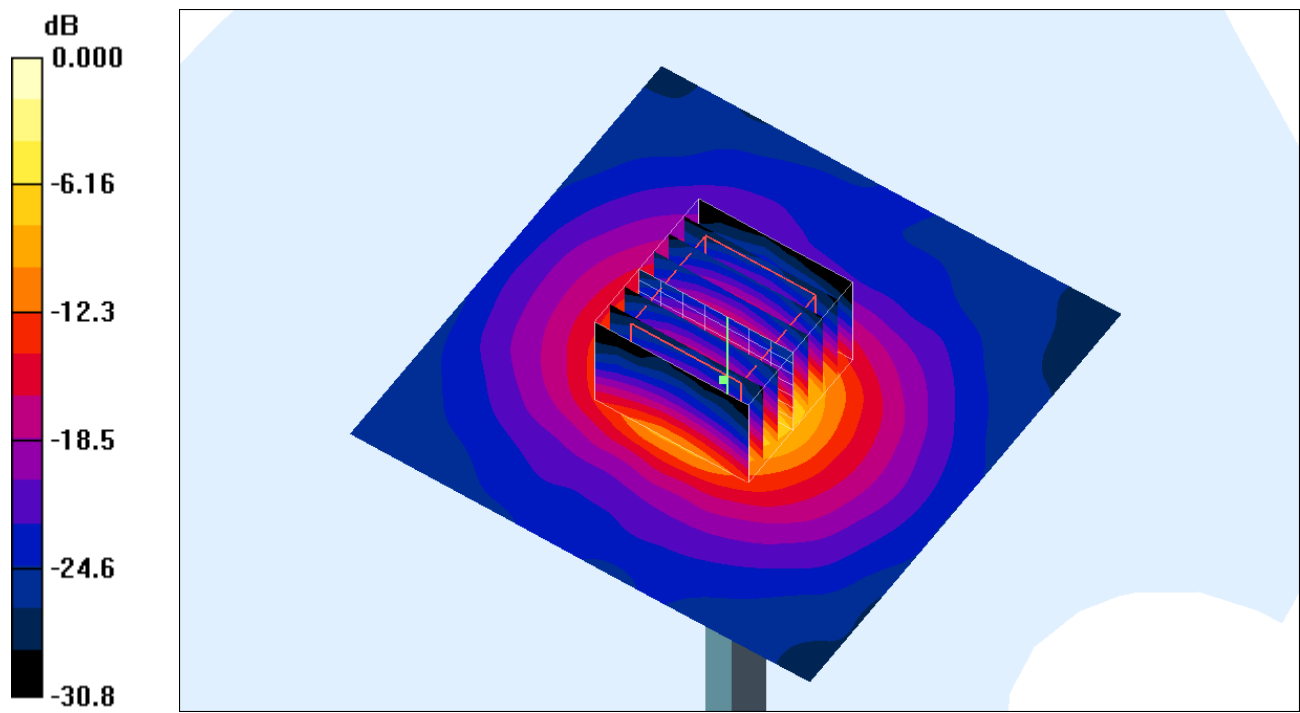
Pin=100mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 56.4 V/m ; Power Drift = -0.115 dB

Peak SAR (extrapolated) = 22.2 W/kg

SAR(1 g) = 7.71 mW/g ; SAR(10 g) = 2.23 mW/g

Maximum value of SAR (measured) = 12.8 mW/g



0 dB = 12.8mW/g

System Check_Head_5500MHz_110611

DUT: Dipole 5GHz

Communication System: CW; Frequency: 5500 MHz; Duty Cycle: 1:1
Medium: HSL5G_110611 Medium parameters used: $f = 5500 \text{ MHz}$; $\sigma = 5.12 \text{ mho/m}$; $\epsilon_r = 35$; $\rho = 1000 \text{ kg/m}^3$
Ambient Temperature : 22.3°C ; Liquid Temperature : 21.3°C

DASY4 Configuration:

- Probe: EX3DV4 - SN3731; ConvF(4.46, 4.46, 4.46); Calibrated: 2010/9/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM_Left; Type: SAM; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=100mW/Area Scan (91x91x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 14.9 mW/g

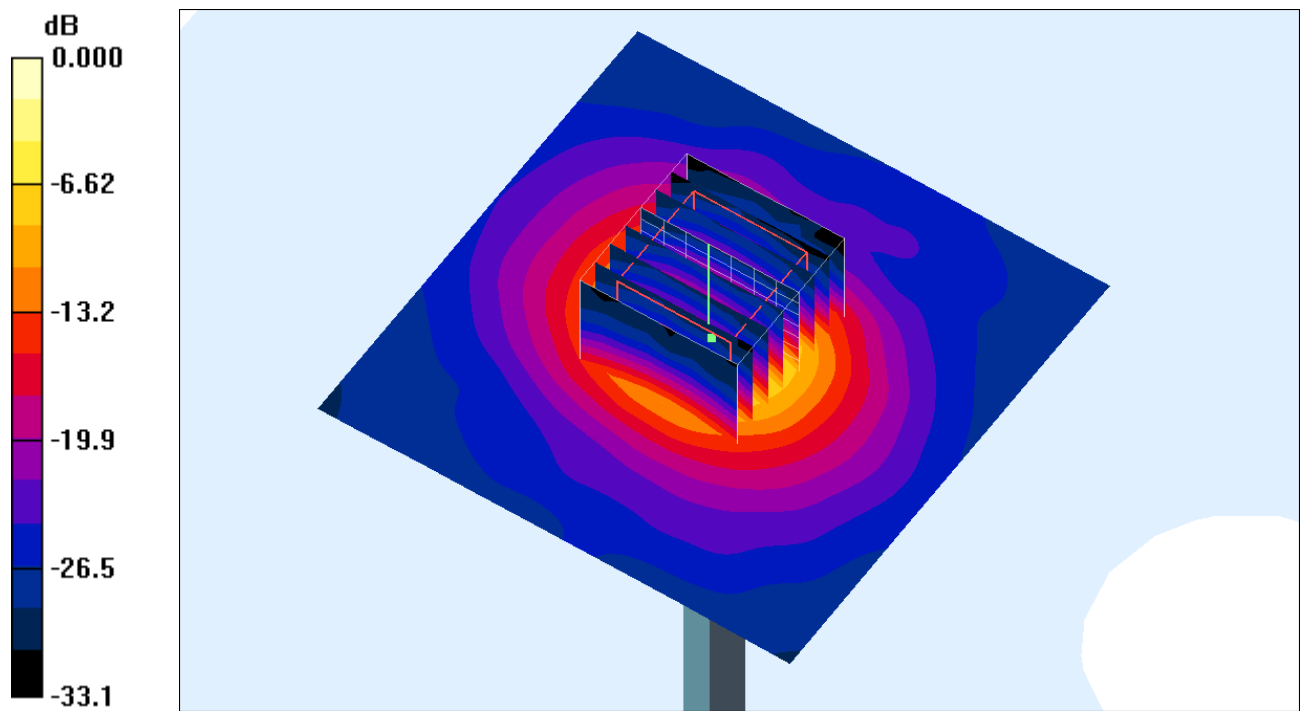
Pin=100mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 55.5 V/m ; Power Drift = 0.159 dB

Peak SAR (extrapolated) = 33.3 W/kg

SAR(1 g) = 8.19 mW/g ; SAR(10 g) = 2.29 mW/g

Maximum value of SAR (measured) = 14.0 mW/g



0 dB = 14.0mW/g

System Check_Body_5500MHz_110615

DUT: Dipole 5GHz

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

Medium: MSL_5G_110615 Medium parameters used: $f = 5500 \text{ MHz}$; $\sigma = 5.67 \text{ mho/m}$; $\epsilon_r = 47$; $\rho = 1000 \text{ kg/m}^3$

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3731; ConvF(3.44, 3.44, 3.44); Calibrated: 2010/9/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=100mW/Area Scan (91x91x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 15.2 mW/g

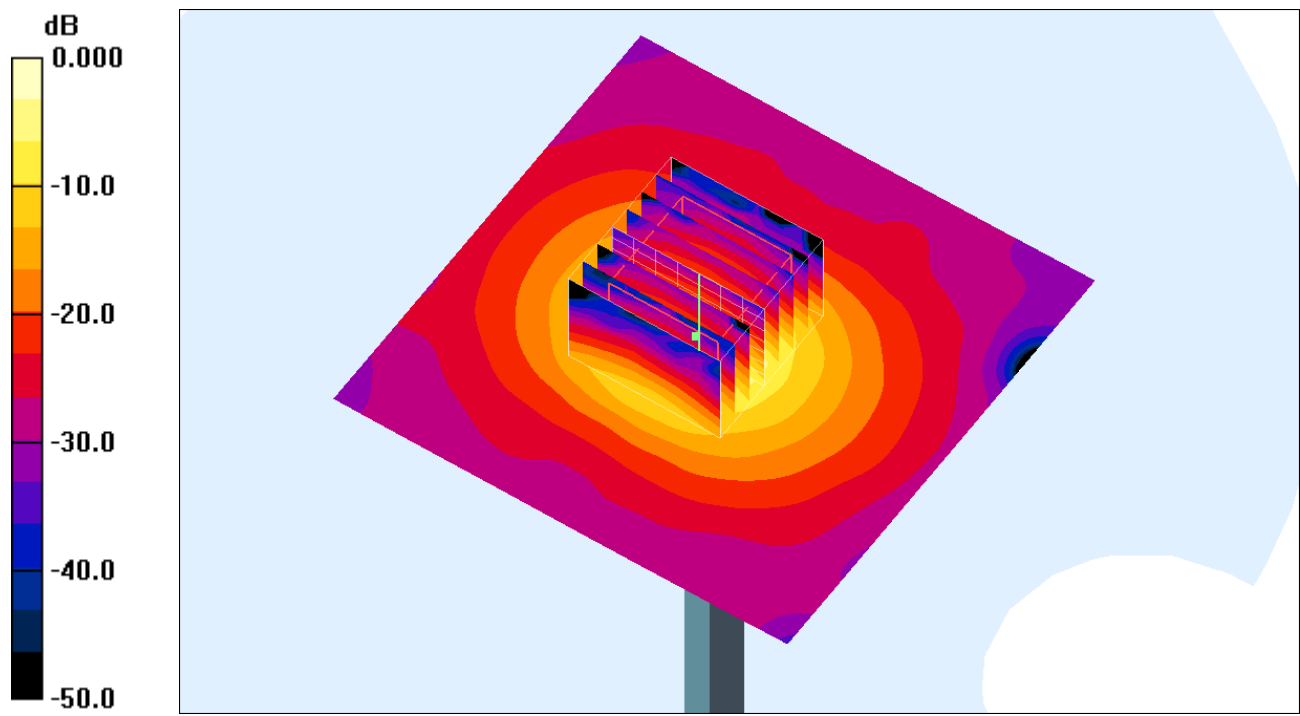
Pin=100mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 57.5 V/m ; Power Drift = 0.126 dB

Peak SAR (extrapolated) = 29.2 W/kg

SAR(1 g) = 8.83 mW/g ; SAR(10 g) = 2.46 mW/g

Maximum value of SAR (measured) = 15.7 mW/g



0 dB = 15.7mW/g

System Check_Head_5800MHz_110611

DUT: Dipole 5GHz

Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1
Medium: HSL5G_110611 Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 5.41 \text{ mho/m}$; $\epsilon_r = 34.4$; $\rho = 1000 \text{ kg/m}^3$
Ambient Temperature : $22.3 \text{ }^\circ\text{C}$; Liquid Temperature : $21.3 \text{ }^\circ\text{C}$

DASY4 Configuration:

- Probe: EX3DV4 - SN3731; ConvF(4.22, 4.22, 4.22); Calibrated: 2010/9/20
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM_Left; Type: SAM; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=100mW/Area Scan (91x91x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 11.8 mW/g

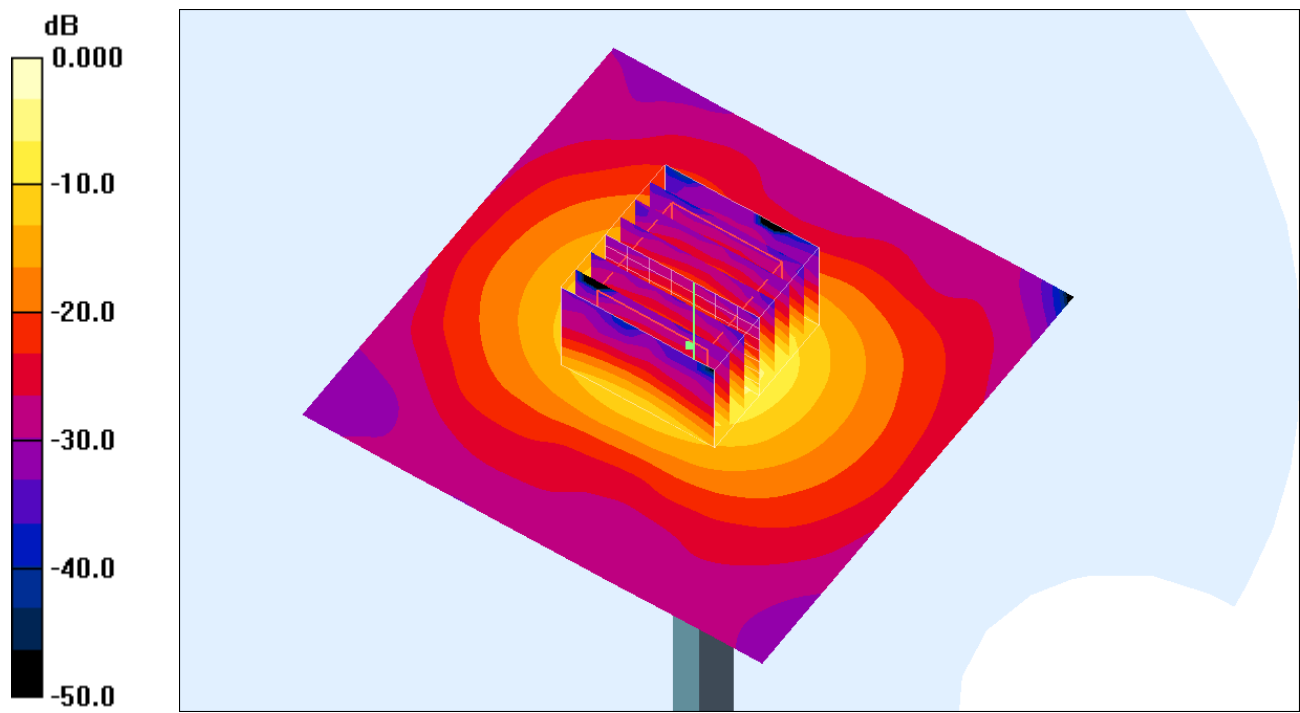
Pin=100mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 47.9 V/m ; Power Drift = 0.042 dB

Peak SAR (extrapolated) = 29.4 W/kg

SAR(1 g) = 7.64 mW/g ; SAR(10 g) = 2.18 mW/g

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



0 dB = 11.2mW/g

System Check_Body_5800MHz_110615

DUT: Dipole 5GHz

Communication System: 802.11a; Frequency: 5800 MHz; Duty Cycle: 1:1
Medium: MSL_5G_110615 Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 6.17 \text{ mho/m}$; $\epsilon_r = 46.5$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : $22.6 \text{ }^\circ\text{C}$; Liquid Temperature : $21.6 \text{ }^\circ\text{C}$

DASY4 Configuration:

- Probe: EX3DV4 - SN3731; ConvF(3.55, 3.55, 3.55); Calibrated: 2010/9/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=100mW/Area Scan (91x91x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 12.8 mW/g

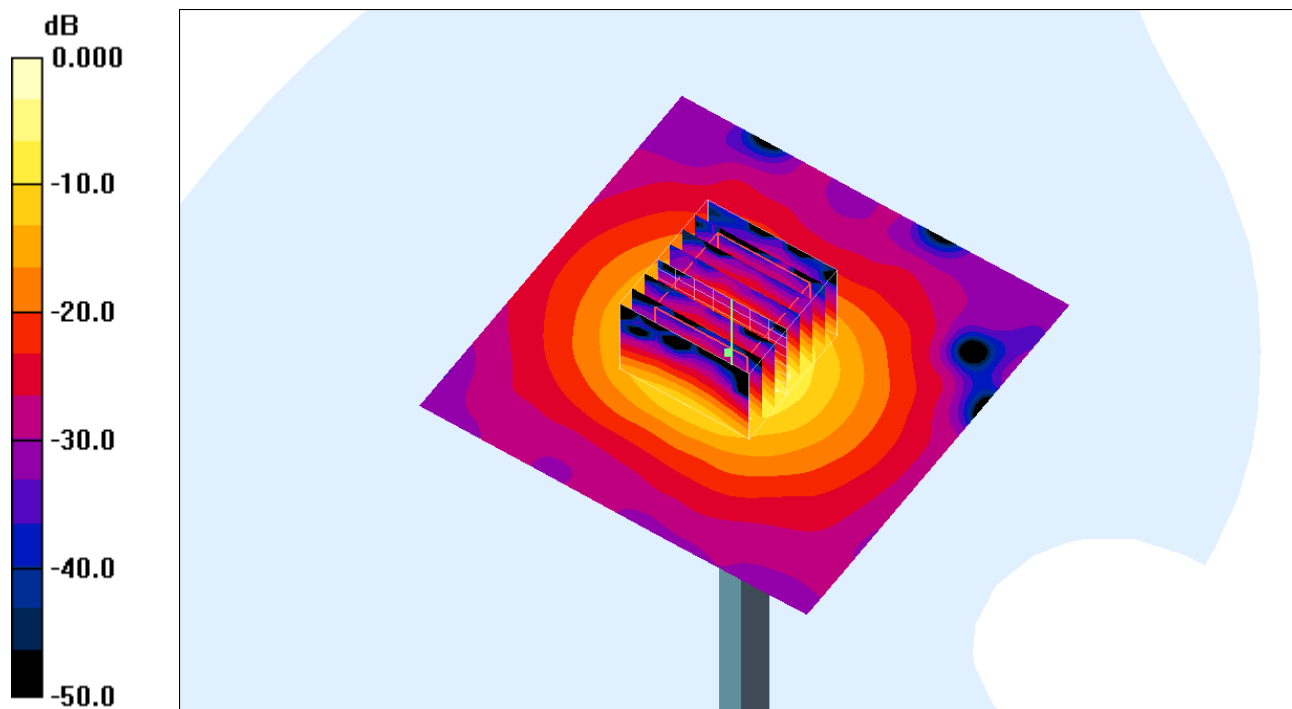
Pin=100mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 50.2 V/m ; Power Drift = 0.117 dB

Peak SAR (extrapolated) = 25.8 W/kg

SAR(1 g) = 7.35 mW/g ; SAR(10 g) = 2.04 mW/g

Maximum value of SAR (measured) = 13.1 mW/g



0 dB = 13.1mW/g