System Check_Head_835MHz_101027

DUT: Dipole 835 MHz

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: HSL_835_101027 Medium parameters used: f = 835 MHz; σ = 0.914 mho/m; ε_r = 41.8; ρ =

1000 kg/m^3
Ambient Temperature : 23.5 $^\circ$C; Liquid Temperature : 21.3 $^\circ$C

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.32, 8.32, 8.32); Calibrated: 11/23/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2009/11/16
- Phantom: SAM2; Type: SAM; Serial: TP-1479
- Measurement SW : DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

Pin=100mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.988 mW/g

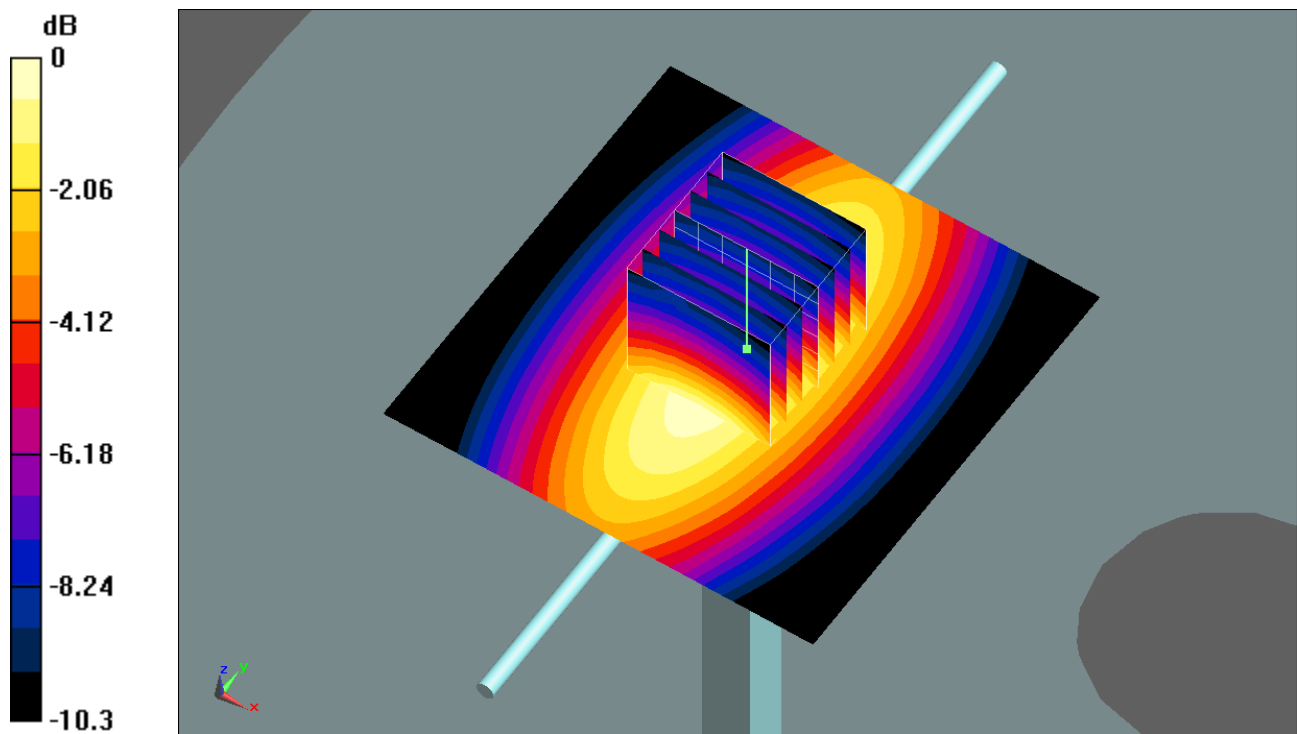**Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 32.9 V/m; Power Drift = -0.00578 dB
Peak SAR (extrapolated) = 1.38 W/kg
SAR(1 g) = 0.917 mW/g; SAR(10 g) = 0.601 mW/g
Maximum value of SAR (measured) = 0.993 mW/g

0 dB = 0.993mW/g

System Check_Head_835MHz_101102

DUT: Dipole 835 MHz

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: HSL_835_101102 Medium parameters used: f = 835 MHz; σ = 0.927 mho/m; ε_r = 42.7; ρ =

1000 kg/m^3
Ambient Temperature : 23.3 °C; Liquid Temperature : 21.2 °C

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.32, 8.32, 8.32); Calibrated: 11/23/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2009/11/16
- Phantom: SAM1; Type: SAM; Serial: TP-1477
- Measurement SW : DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

Pin=100mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
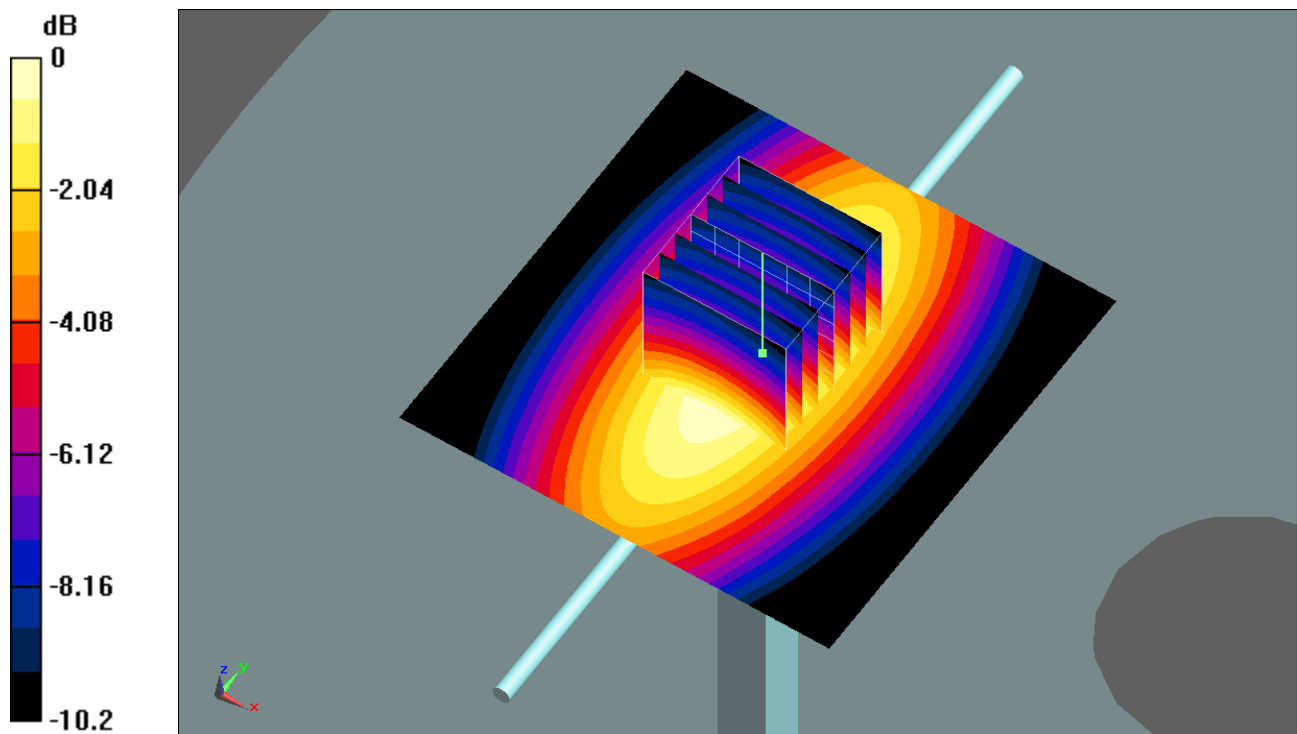Maximum value of SAR (interpolated) = 1.03 mW/g

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 33.3 V/m; Power Drift = -0.00152 dB
Peak SAR (extrapolated) = 1.42 W/kg
SAR(1 g) = 0.948 mW/g; SAR(10 g) = 0.623 mW/g
Maximum value of SAR (measured) = 1.02 mW/g

0 dB = 1.02mW/g

System Check_Body_835MHz_101027

DUT: Dipole 835 MHz

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: MSL_835_101027 Medium parameters used: f = 835 MHz; σ = 0.97 mho/m; ε_r = 56.5; ρ =

1000 kg/m^3
Ambient Temperature : 23.4 °C; Liquid Temperature : 21.2 °C

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.22, 8.22, 8.22); Calibrated: 11/23/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2009/11/16
- Phantom: SAM1; Type: SAM; Serial: TP-1477
- Measurement SW : DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

Pin=100mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
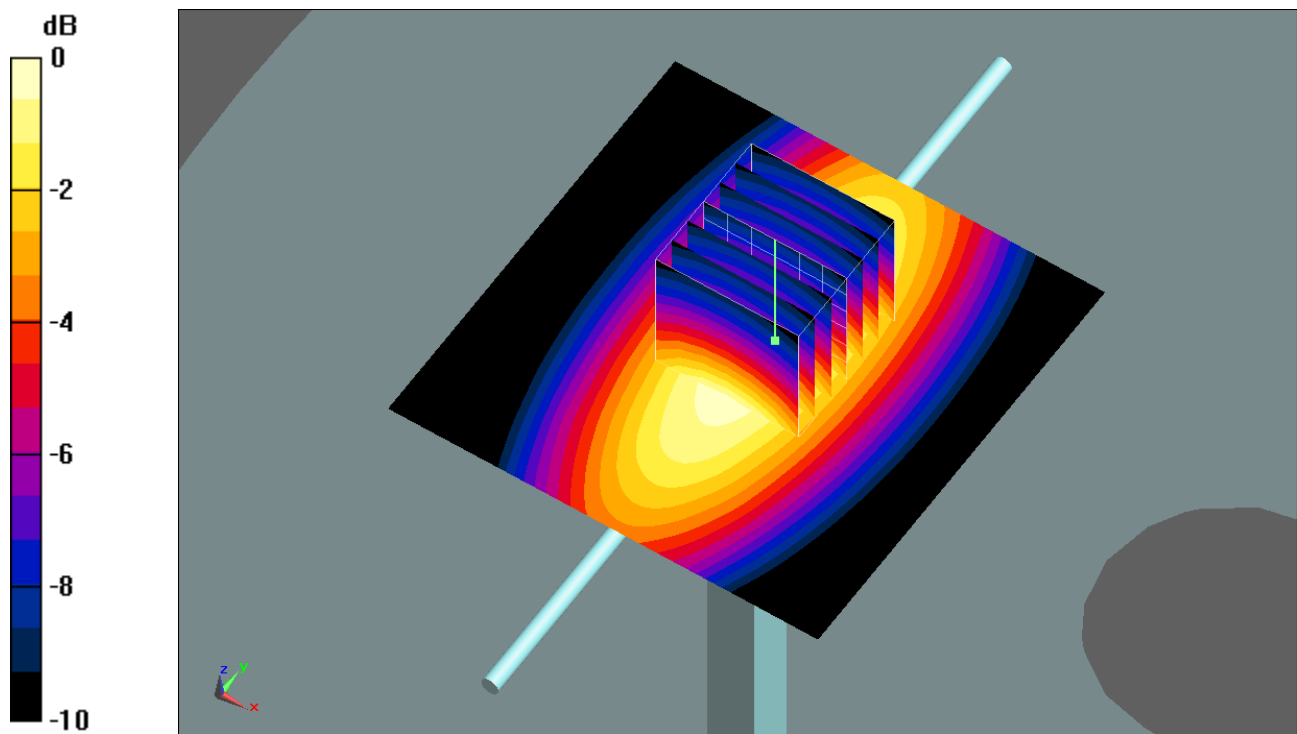Maximum value of SAR (interpolated) = 1.03 mW/g

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 32.1 V/m; Power Drift = -0.00312 dB
Peak SAR (extrapolated) = 1.41 W/kg
SAR(1 g) = 0.952 mW/g; SAR(10 g) = 0.629 mW/g
Maximum value of SAR (measured) = 1.03 mW/g

0 dB = 1.03mW/g

System Check_Body_835MHz_101102

DUT: Dipole 835 MHz

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: MSL_835_101102 Medium parameters used: f = 835 MHz; σ = 0.991 mho/m; ε_r = 55.7; ρ =

1000 kg/m^3
Ambient Temperature : 23.4 $^\circ$C; Liquid Temperature : 21.3 $^\circ$C

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.22, 8.22, 8.22); Calibrated: 11/23/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2009/11/16
- Phantom: SAM2; Type: SAM; Serial: TP-1479
- Measurement SW : DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

Pin=100mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
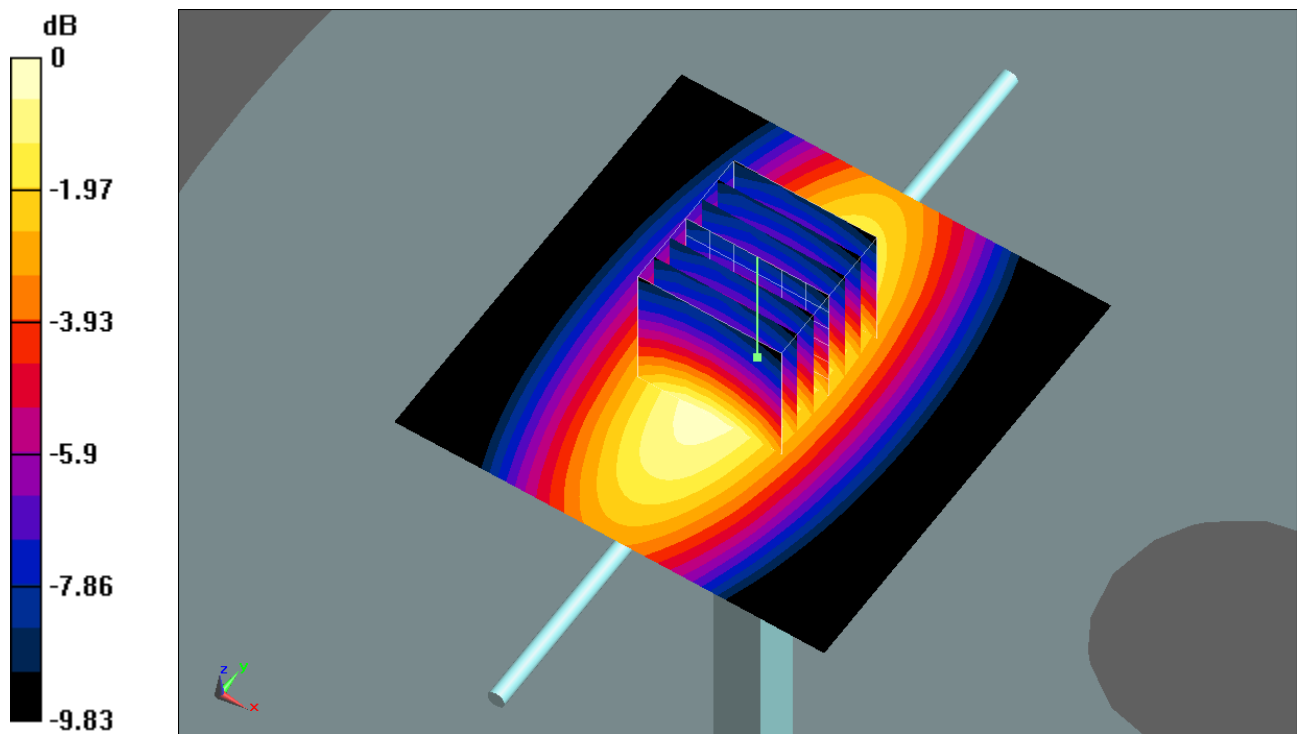Maximum value of SAR (interpolated) = 1.1 mW/g

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 33.3 V/m; Power Drift = -0.00181 dB
Peak SAR (extrapolated) = 1.5 W/kg
SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.676 mW/g
Maximum value of SAR (measured) = 1.1 mW/g

0 dB = 1.1mW/g

System Check_Head_1900MHz_101027

DUT: Dipole 1900 MHz

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: HSL_1900_101027 Medium parameters used: f = 1900 MHz; σ = 1.44 mho/m; ε_r = 39.7; ρ =

1000 kg/m^3
Ambient Temperature : 23.4 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.32, 7.32, 7.32); Calibrated: 11/23/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2009/11/16
- Phantom: SAM1; Type: SAM; Serial: TP-1477
- Measurement SW : DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

Pin=100mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
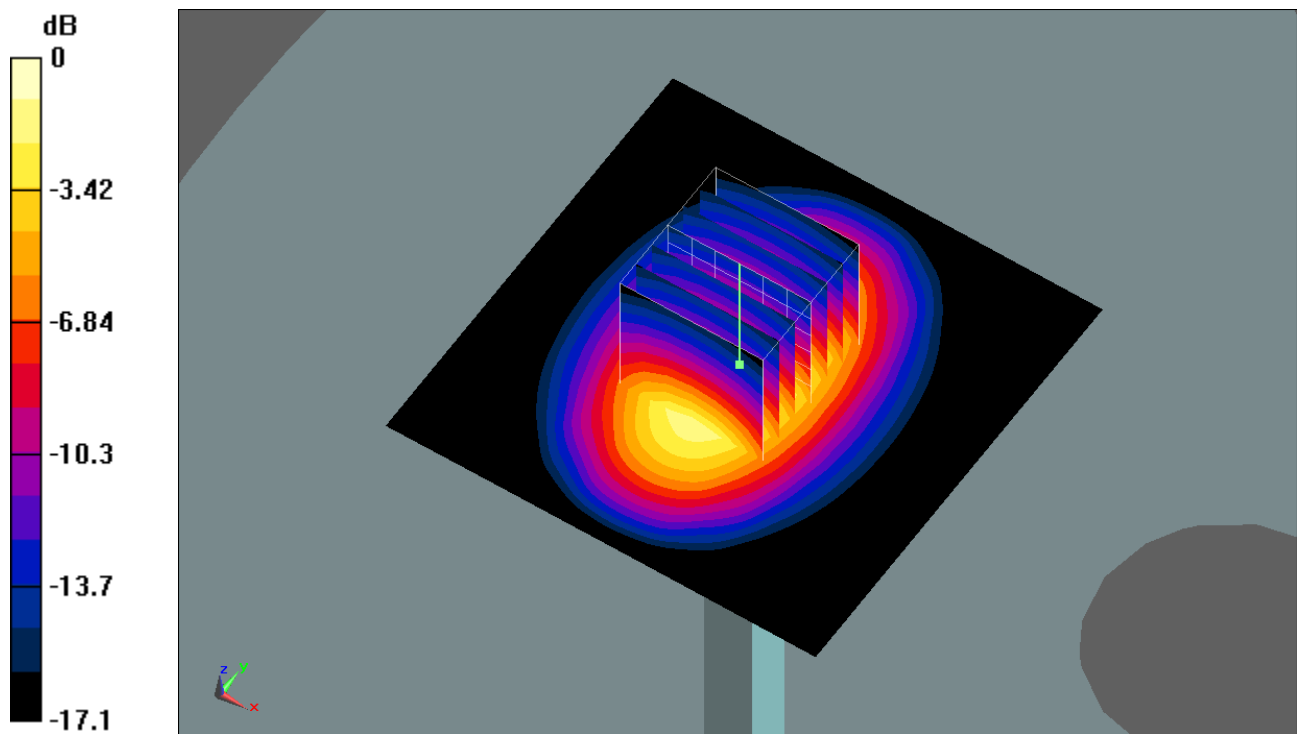Maximum value of SAR (interpolated) = 4.74 mW/g

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 57 V/m; Power Drift = -0.00213 dB
Peak SAR (extrapolated) = 7.87 W/kg
SAR(1 g) = 4.18 mW/g; SAR(10 g) = 2.18 mW/g
Maximum value of SAR (measured) = 4.71 mW/g

0 dB = 4.71mW/g

System Check_Head_1900MHz_101102

DUT: Dipole 1900 MHz

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: HSL_1900_101102 Medium parameters used: f = 1900 MHz; σ = 1.44 mho/m; ε_r = 39.9; ρ =

1000 kg/m^3
Ambient Temperature : 23.3 °C; Liquid Temperature : 21.2 °C

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.32, 7.32, 7.32); Calibrated: 11/23/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2009/11/16
- Phantom: SAM2; Type: SAM; Serial: TP-1479
- Measurement SW : DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

Pin=100mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
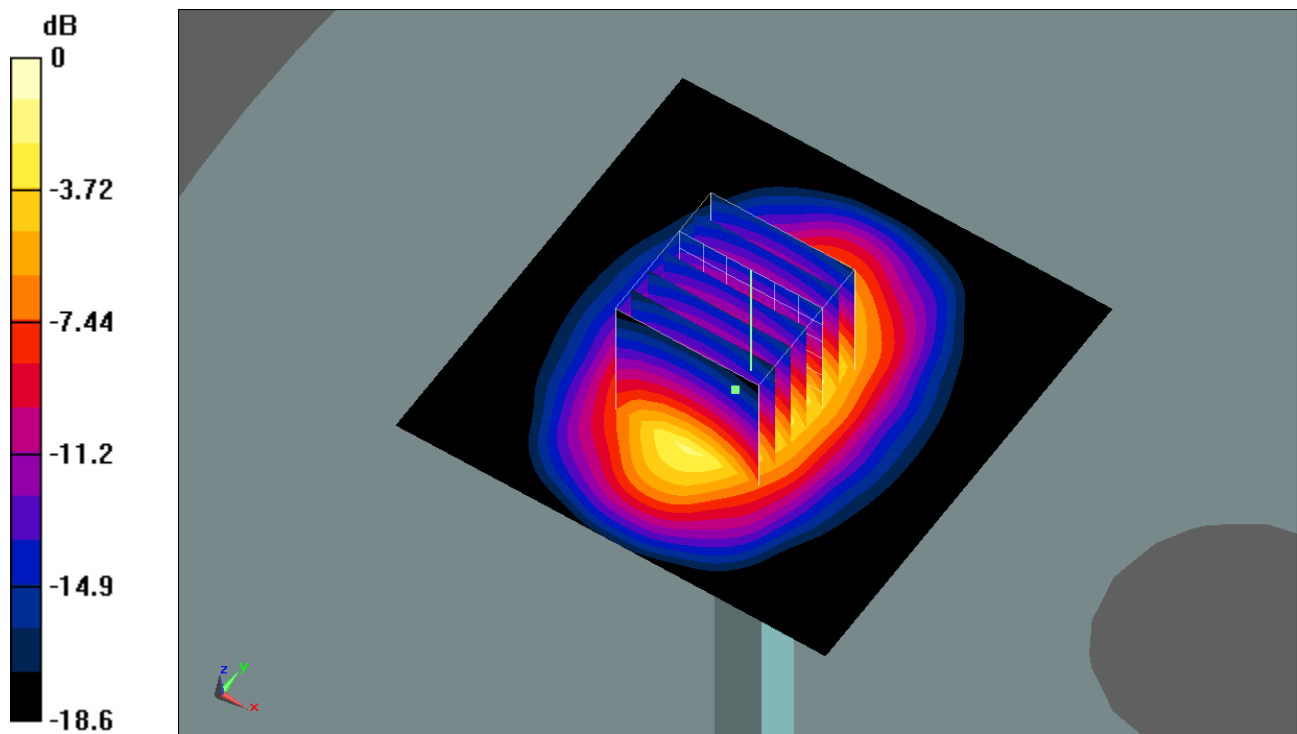Maximum value of SAR (interpolated) = 4.66 mW/g

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 55.5 V/m; Power Drift = 0.00234 dB
Peak SAR (extrapolated) = 7.61 W/kg
SAR(1 g) = 3.99 mW/g; SAR(10 g) = 2.06 mW/g
Maximum value of SAR (measured) = 4.46 mW/g

0 dB = 4.46mW/g

System Check_Body_1900MHz_101027

DUT: Dipole 1900 MHz

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: MSL_1900_101027 Medium parameters used: f = 1900 MHz; σ = 1.53 mho/m; ε_r = 54.6; ρ = 1000 kg/m^3
Ambient Temperature : 23.3 ℃; Liquid Temperature : 21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.04, 7.04, 7.04); Calibrated: 11/23/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2009/11/16
- Phantom: SAM2; Type: SAM; Serial: TP-1479
- Measurement SW : DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

Pin=100mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
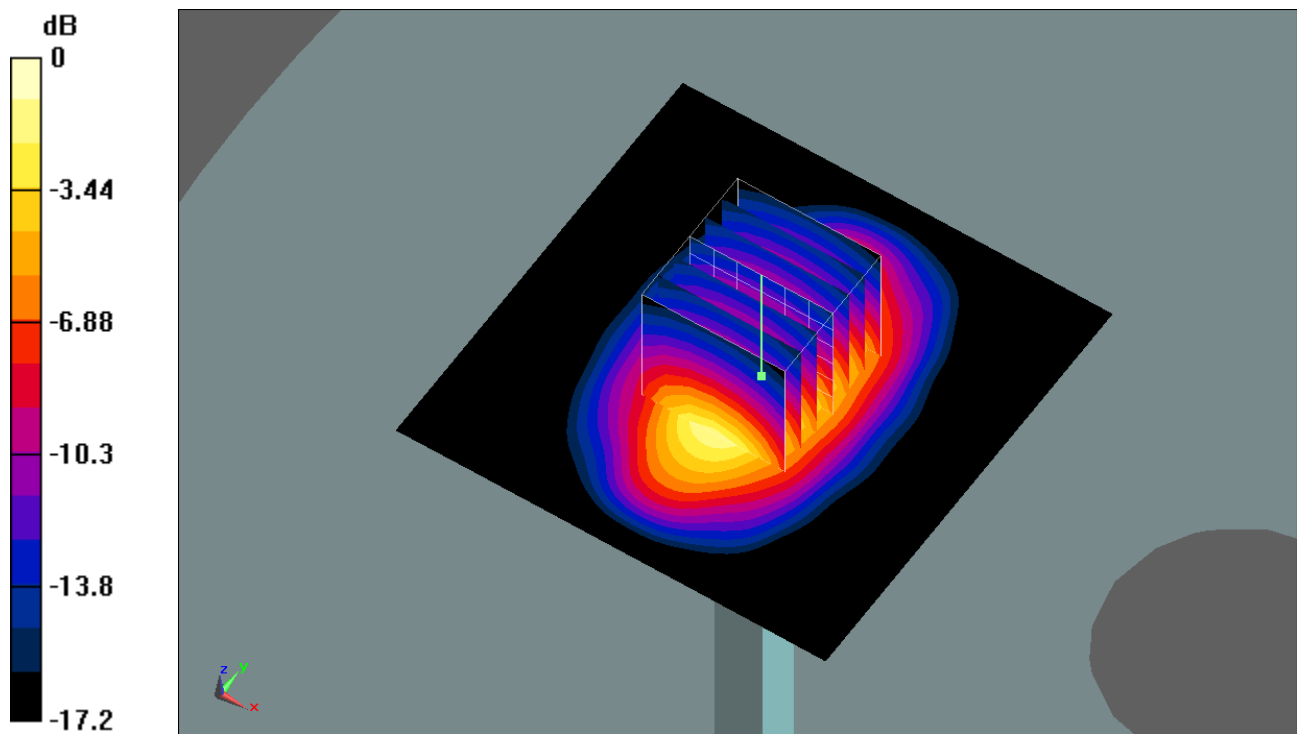Maximum value of SAR (interpolated) = 4.64 mW/g

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 54.5 V/m; Power Drift = -0.00435 dB
Peak SAR (extrapolated) = 7.66 W/kg
SAR(1 g) = 4.07 mW/g; SAR(10 g) = 2.09 mW/g
Maximum value of SAR (measured) = 4.63 mW/g

0 dB = 4.63mW/g