Test Laboratory: Lab C Date: 3/20/2013

20130320_SystemPerformanceCheck-D5GHzV2 SN 1003

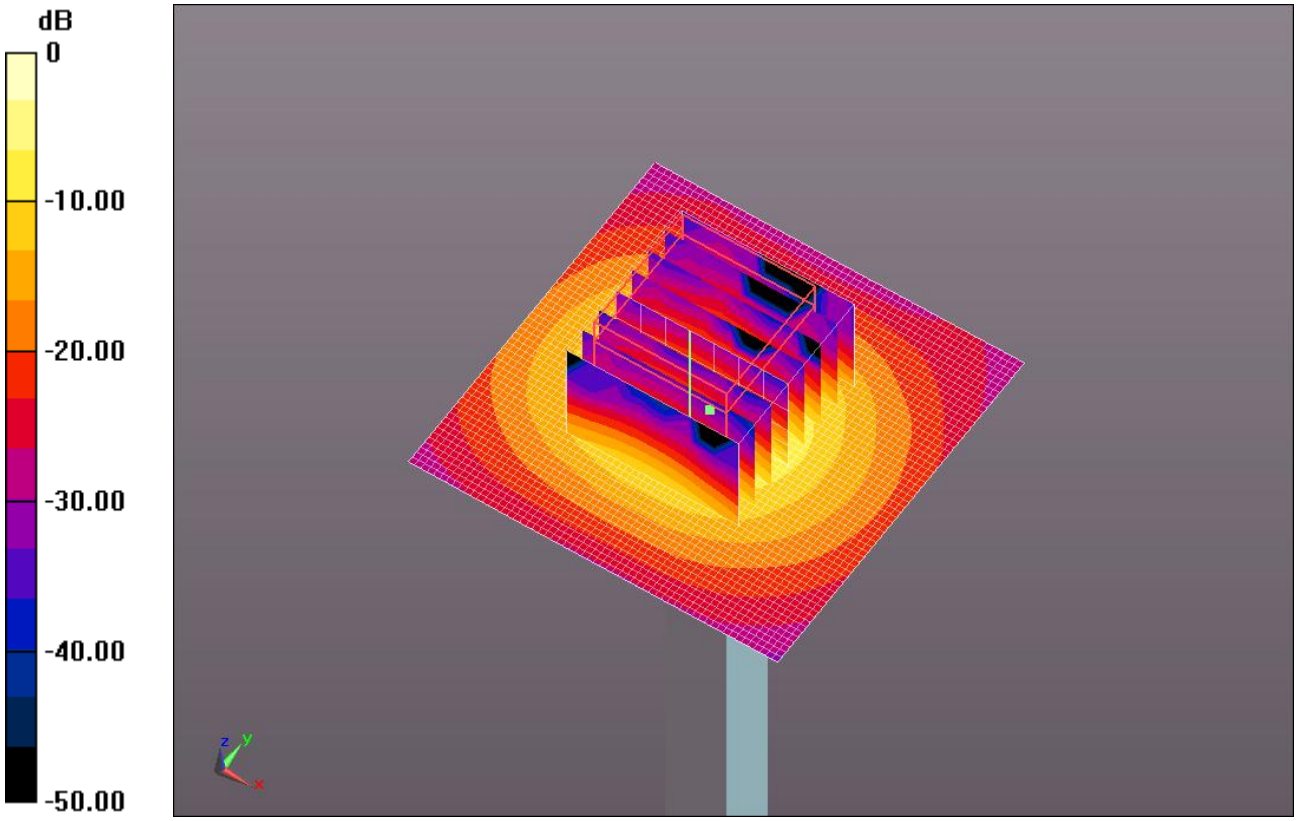
Frequency: 5800 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 5800 MHz; σ = 6.233 mho/m; ε_r = 47.612; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1261; Calibrated: 1/16/2013
- Probe: EX3DV4 - SN3757; ConvF(3.89, 3.89, 3.89); Calibrated: 1/14/2013
- Sensor-Surface: 2.5mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1136

Body/5.8 GHz, Pin=100mW 2 2/Area Scan (61x61x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 48.546 V/m; Power Drift = 0.09 dB
Fast SAR: SAR(1 g) = 6.77 mW/g; SAR(10 g) = 1.88 mW/g
Maximum value of SAR (interpolated) = 12.656 mW/g

Body/5.8 GHz, Pin=100mW 2 2/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 48.546 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 29.8420
SAR(1 g) = 7.08 mW/g; SAR(10 g) = 2 mW/g
Maximum value of SAR (measured) = 17.493 mW/g



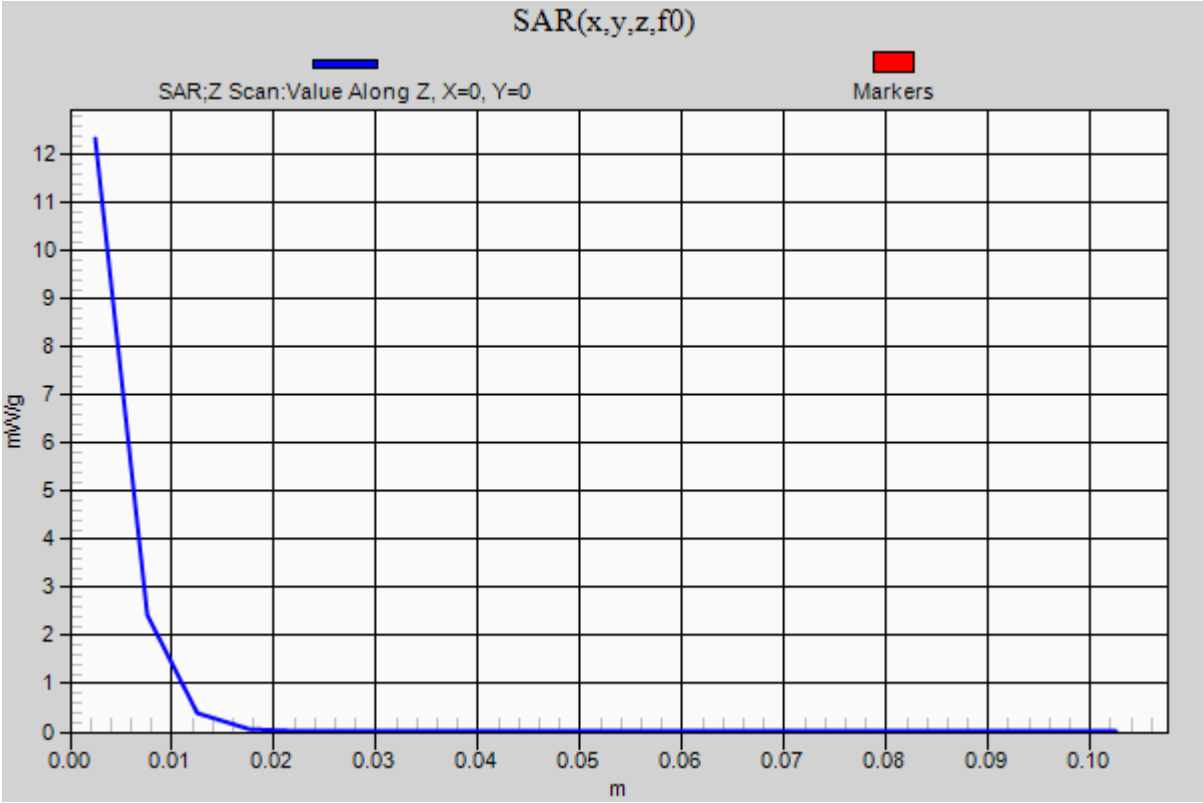
0 dB = 17.490mW/g = 24.86 dB mW/g

Test Laboratory: Lab C Date: 3/20/2013

20130320_SystemPerformanceCheck-D5GHzV2 SN 1003

Frequency: 5800 MHz; Duty Cycle: 1:1

Body/5.8 GHz, Pin=100mW 2 2/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 12.337 mW/g



20130502_SystemPerformanceCheck-D2450V2 SN 826

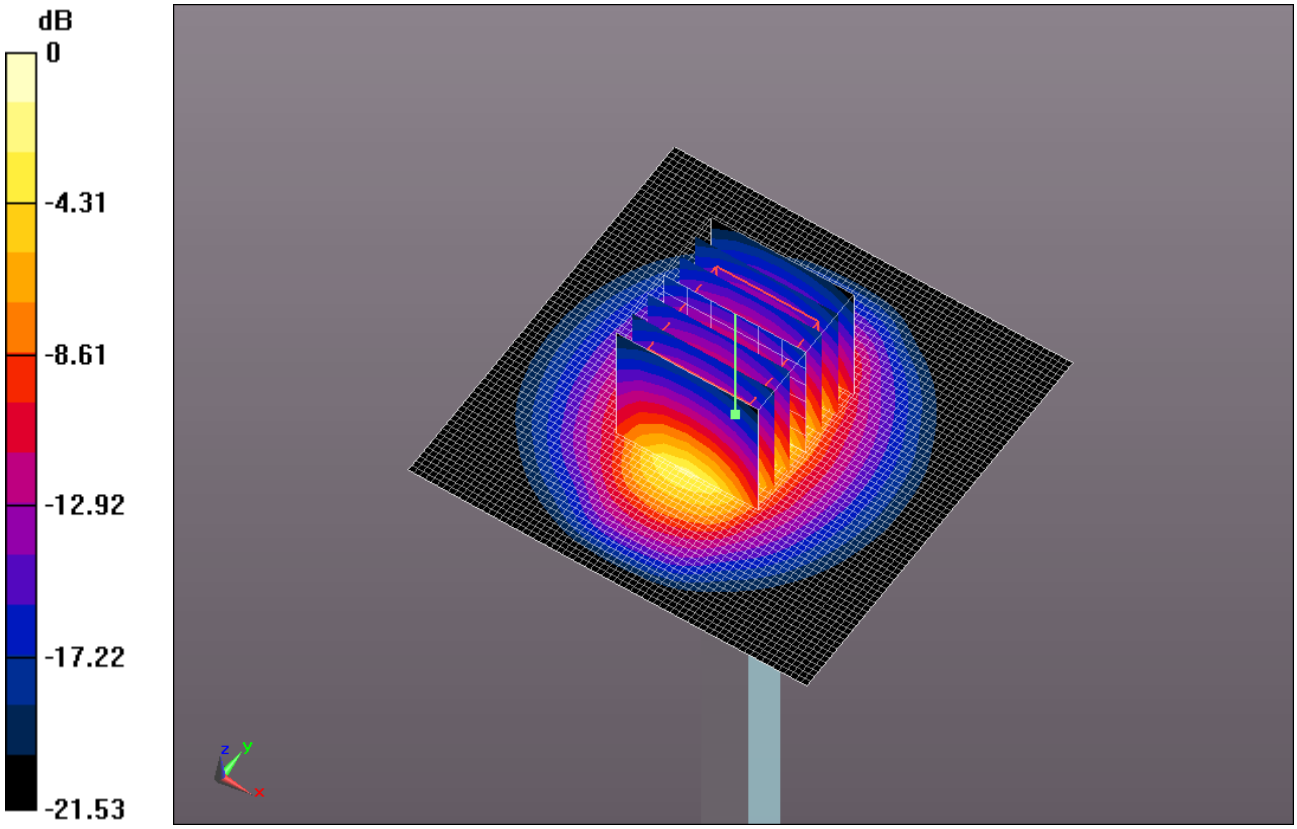
Frequency: 2450 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 2450 MHz; σ = 1.873 mho/m; ε_r = 51.231; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1261; Calibrated: 1/16/2013
- Probe: EX3DV4 - SN3757; ConvF(6.91, 6.91, 6.91); Calibrated: 1/14/2013
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1136

Body/Pin=100 mW/Area Scan (71x71x1): Measurement grid: dx=12mm, dy=12mm

Reference Value = 61.272 V/m; Power Drift = 0.04 dB
Fast SAR: SAR(1 g) = 4.95 mW/g; SAR(10 g) = 2.13 mW/g
Maximum value of SAR (interpolated) = 7.298 mW/g

Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 61.272 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 10.1980
SAR(1 g) = 5.01 mW/g; SAR(10 g) = 2.34 mW/g
Maximum value of SAR (measured) = 7.093 mW/g



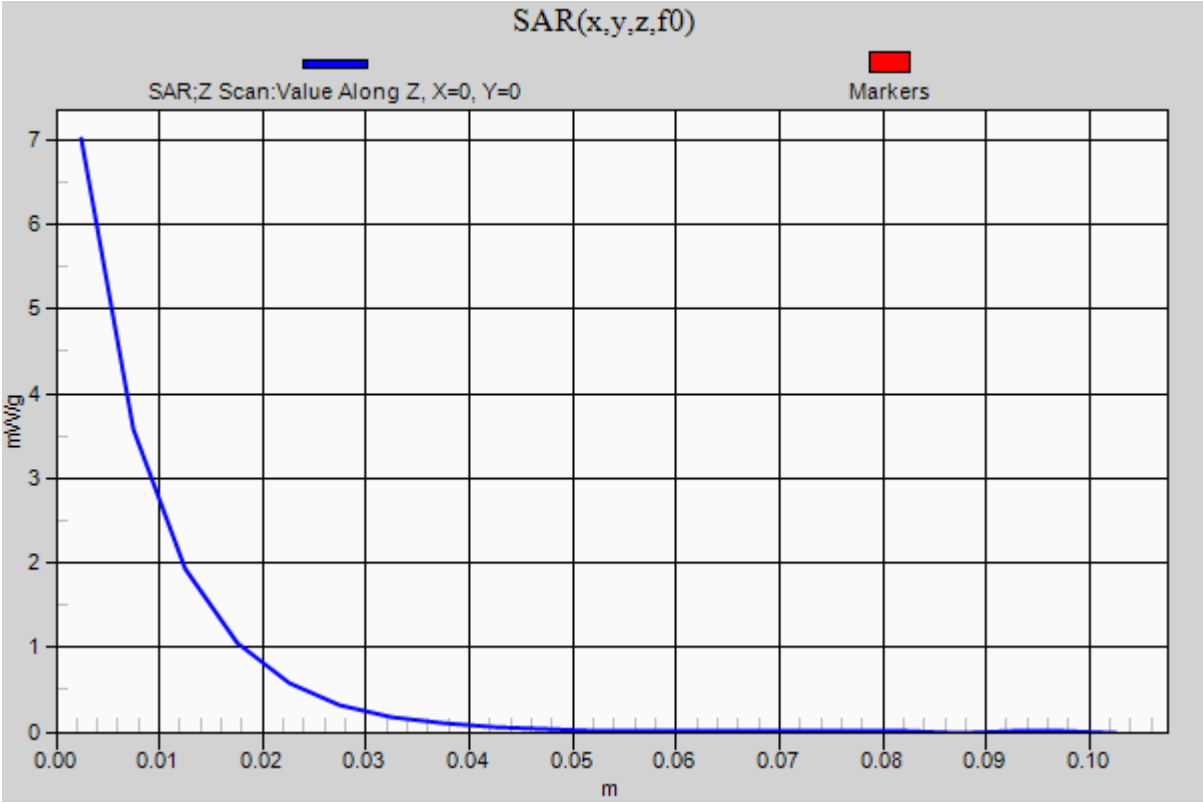
0 dB = 7.090mW/g = 17.01 dB mW/g

2013_05_02_SystemPerformanceCheck-D2450V2 SN 826

Frequency: 2450 MHz; Duty Cycle: 1:1

Body/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 7.014 mW/g



Test Laboratory: Lab D Date: 3/28/2013

20130328_SystemPerformanceCheck-D2450V2 SN 706

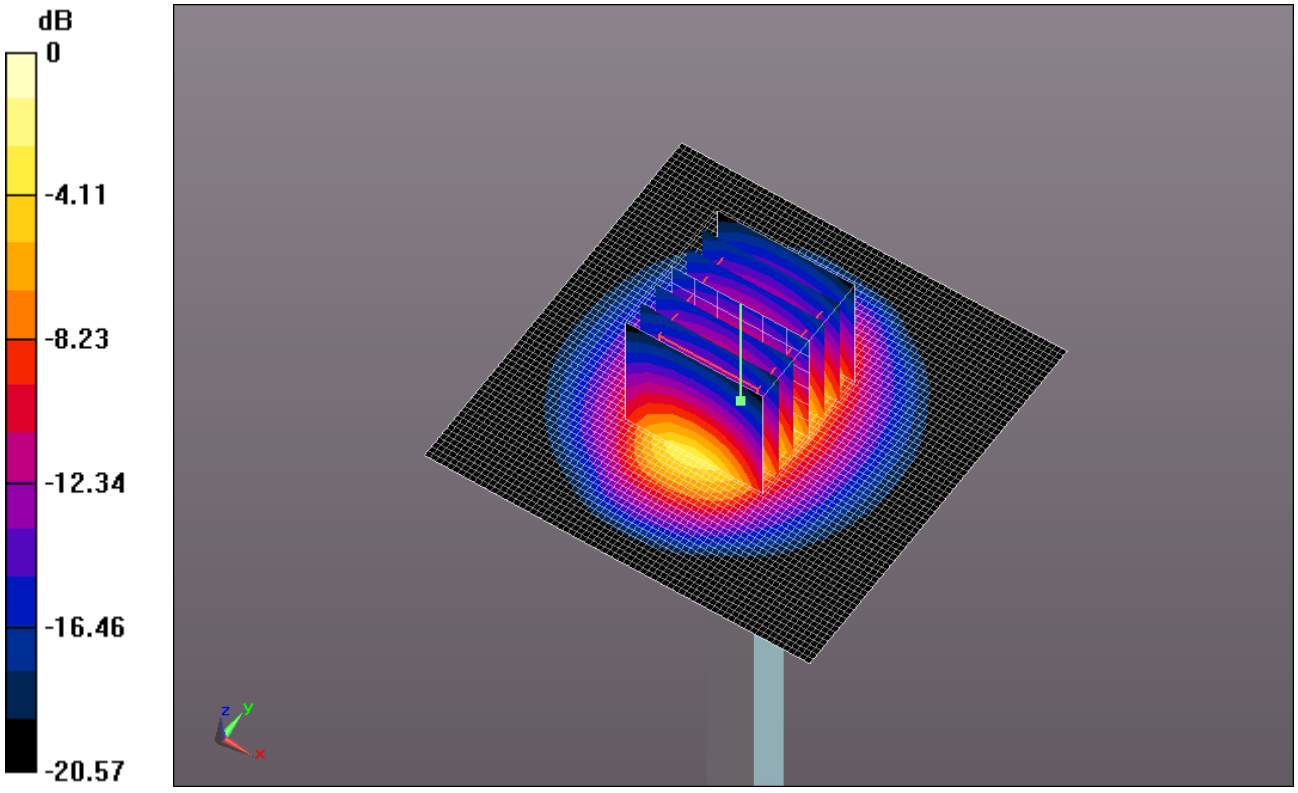
Frequency: 2450 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 2450 MHz; σ = 1.953 mho/m; ε_r = 52.276; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1278; Calibrated: 1/30/2013
- Probe: EX3DV4 - SN3676; ConvF(6.95, 6.95, 6.95); Calibrated: 1/14/2013
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1135

Body/Pin=100 mW/Area Scan (71x71x1): Measurement grid: dx=12mm, dy=12mm

Reference Value = 58.032 V/m; Power Drift = -0.0093 dB
Fast SAR: SAR(1 g) = 4.55 mW/g; SAR(10 g) = 1.96 mW/g
Maximum value of SAR (interpolated) = 6.676 mW/g

Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 58.032 V/m; Power Drift = -0.0093 dB
Peak SAR (extrapolated) = 9.2990
SAR(1 g) = 4.64 mW/g; SAR(10 g) = 2.19 mW/g
Maximum value of SAR (measured) = 6.554 mW/g



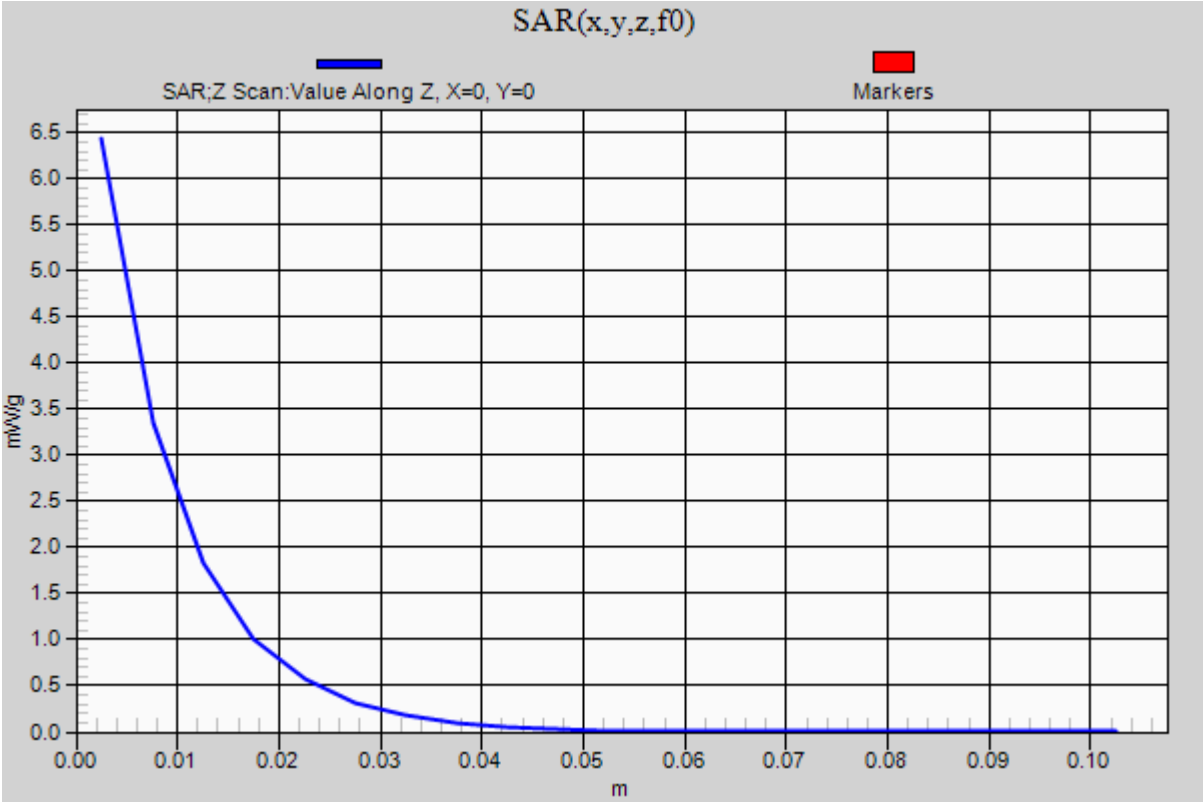
0 dB = 6.550mW/g = 16.32 dB mW/g

Test Laboratory: Lab D Date: 3/28/2013

20130328_SystemPerformanceCheck-D2450V2 SN 706

Frequency: 2450 MHz; Duty Cycle: 1:1

Body/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 6.438 mW/g



Test Laboratory: Lab D Date: 4/11/2013

20130411_SystemPerformanceCheck-D5GHzV2 SN 1003

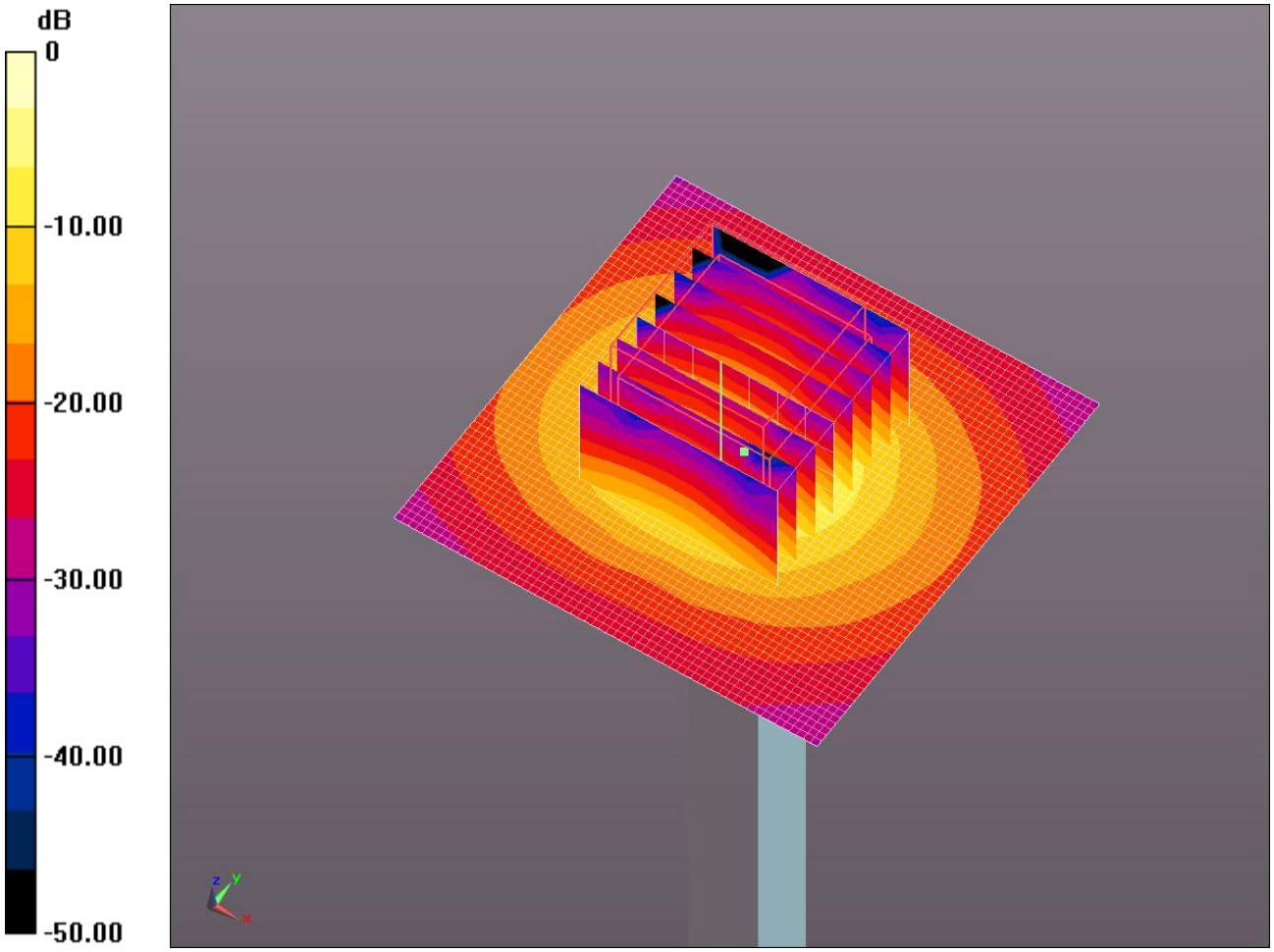
Frequency: 5200 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 5200 MHz; σ = 5.151 mho/m; ε_r = 47.605; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1278; Calibrated: 1/30/2013
- Probe: EX3DV4 - SN3676; ConvF(4.37, 4.37, 4.37); Calibrated: 1/14/2013
- Sensor-Surface: 2.5mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1135

Body/5.2 GHz, Pin=100mW/Area Scan (61x61x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 55.880 V/m; Power Drift = 0.03 dB
Fast SAR: SAR(1 g) = 7.52 mW/g; SAR(10 g) = 2.05 mW/g
Maximum value of SAR (interpolated) = 14.273 mW/g

Body/5.2 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 55.880 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 30.1450
SAR(1 g) = 7.95 mW/g; SAR(10 g) = 2.22 mW/g
Maximum value of SAR (measured) = 18.200 mW/g



0 dB = 18.200mW/g = 25.20 dB mW/g

Test Laboratory: Lab D Date: 4/11/2013

20130411_SystemPerformanceCheck-D5GHzV2 SN 1003

Frequency: 5200 MHz; Duty Cycle: 1:1

Body/5.2 GHz, Pin=100mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 14.097 mW/g