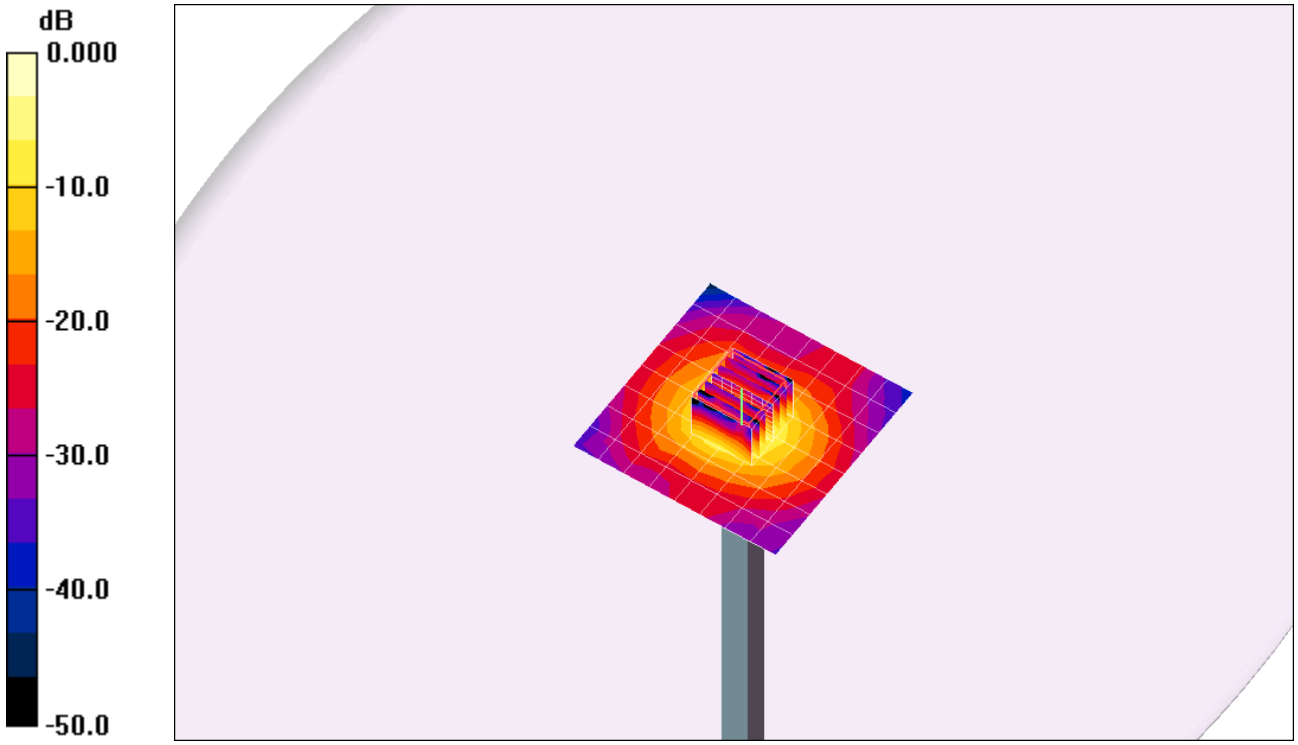
Test Laboratory: Compliance Certification Service Inc. SAR Lab 02 Date/Time: 3/13/2017

20170302_System Check_Dipole5GHzV2 SN1004

Frequency: 5300 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5300.2 MHz; σ = 5.21 mho/m; ε_r = 48.59; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn558; Calibrated: 7/22/2016
- Probe: EX3DV4 - SN3554; ConvF(3.75, 3.75, 3.75); Calibrated: 9/29/2016
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052

Body/Pin=100mW, d=10mm, 5300MHz/Area Scan (9x9x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 14.1 mW/g

Body/Pin=100mW, d=10mm, 5300MHz/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 57.8 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 29.3 W/kg
SAR(1 g) = 7.64 mW/g; SAR(10 g) = 2.21 mW/g
Maximum value of SAR (measured) = 16.1 mW/g



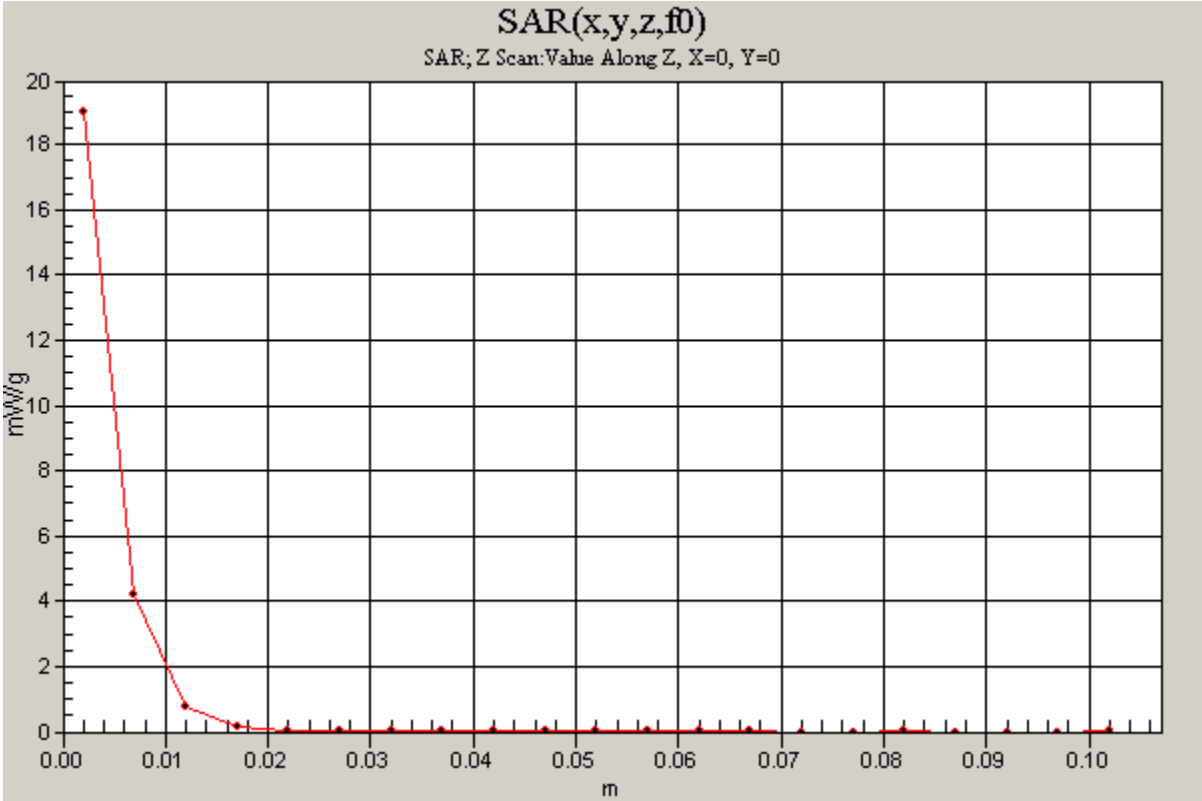
0 dB = 16.1mW/g

Test Laboratory: Compliance Certification Service Inc. SAR Lab 02 Date/Time: 3/13/2017

20170302_System Check_Dipole5GHzV2 SN1004

Frequency: 5300 MHz; Duty Cycle: 1:1

Body/Pin=100mW, d=10mm, 5300MHz/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 19.0 mW/g



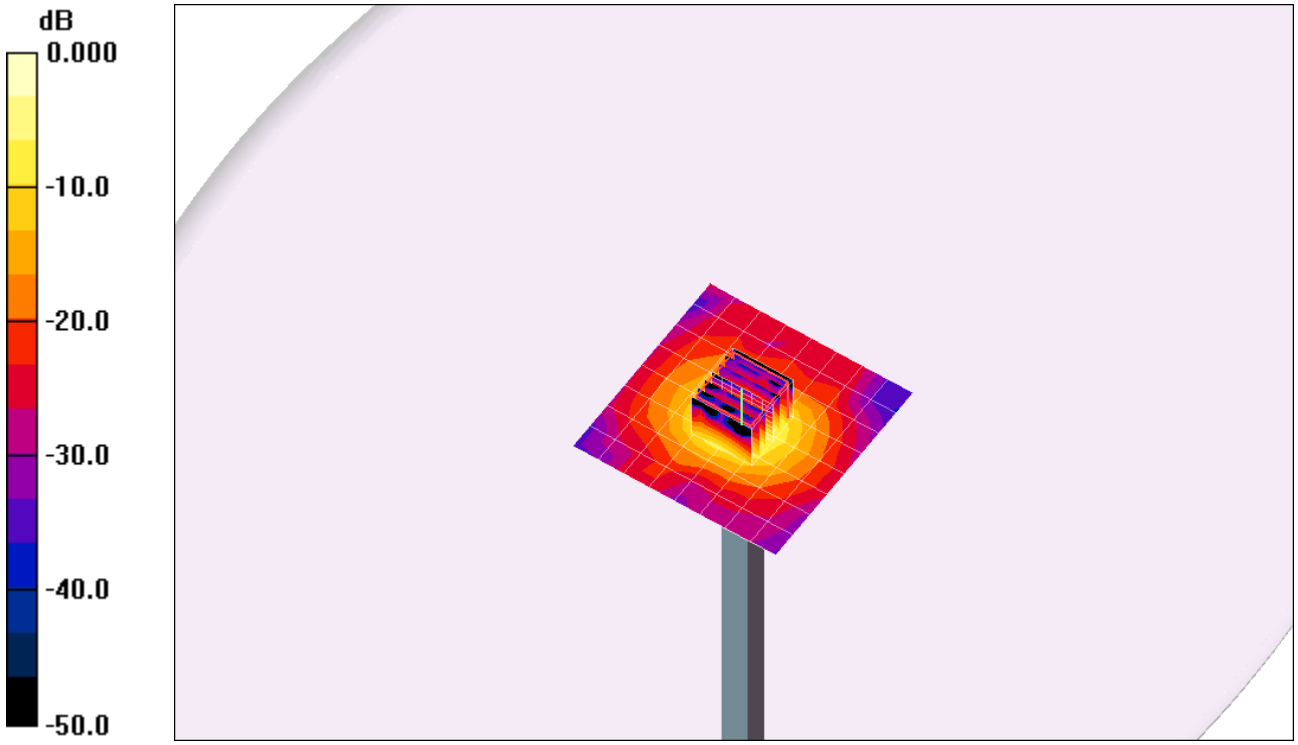
Test Laboratory: Compliance Certification Service Inc. SAR Lab 02 Date/Time: 3/13/2017

20170302_System Check_Dipole5GHzV2 SN1004

Frequency: 5600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5600.5 MHz; σ = 5.58 mho/m; ε_r = 48.08; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn558; Calibrated: 7/22/2016
- Probe: EX3DV4 - SN3554; ConvF(3.22, 3.22, 3.22); Calibrated: 9/29/2016
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052

Body/Pin=100mW, d=10mm, 5600MHz/Area Scan (9x9x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 15.5 mW/g

Body/Pin=100mW, d=10mm, 5600MHz/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 59.3 V/m; Power Drift = 0.047 dB
Peak SAR (extrapolated) = 32.1 W/kg
SAR(1 g) = 8.09 mW/g; SAR(10 g) = 2.23 mW/g
Maximum value of SAR (measured) = 17.8 mW/g



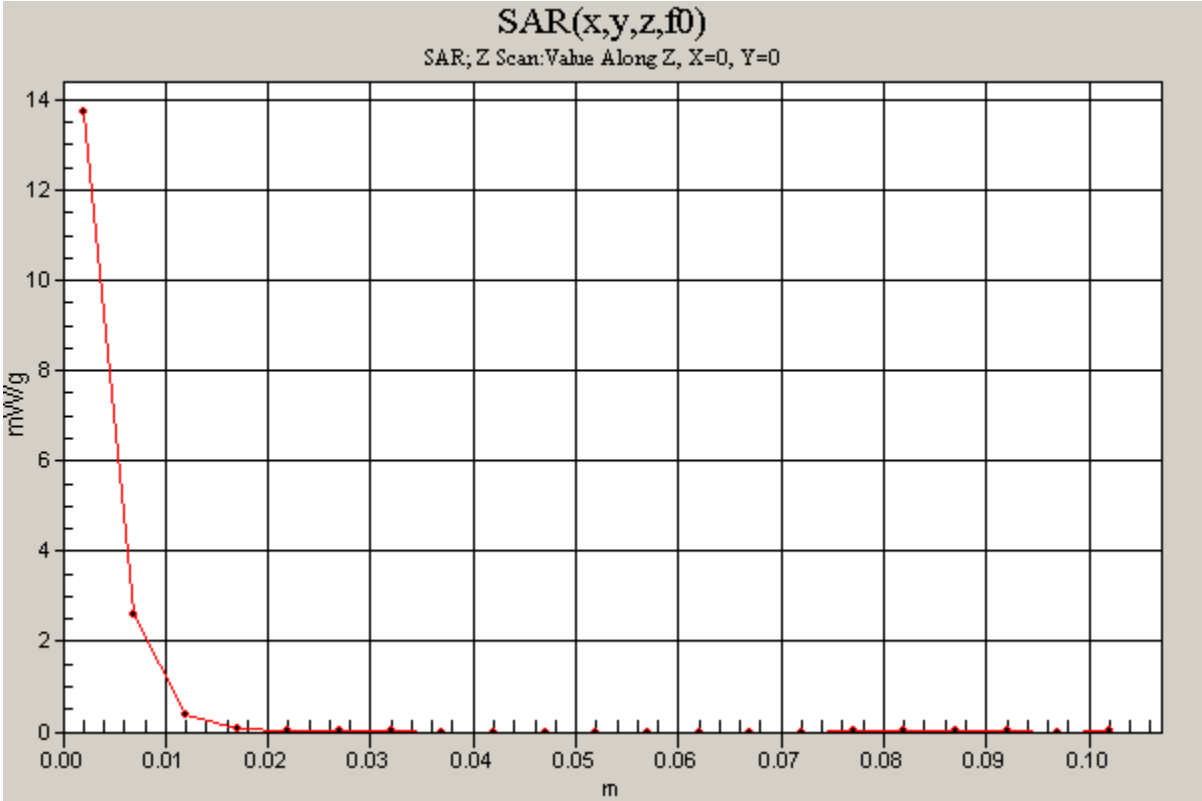
0 dB = 17.8mW/g

Test Laboratory: Compliance Certification Service Inc. SAR Lab 02 Date/Time: 3/13/2017

20170302_System Check_Dipole5GHzV2 SN1004

Frequency: 5600 MHz; Duty Cycle: 1:1

Body/Pin=100mW, d=10mm, 5600MHz/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 13.7 mW/g



Test Laboratory: Compliance Certification Service Inc. SAR Lab 02 Date/Time: 3/13/2017

20170302_System Check_Dipole5GHzV2 SN1004

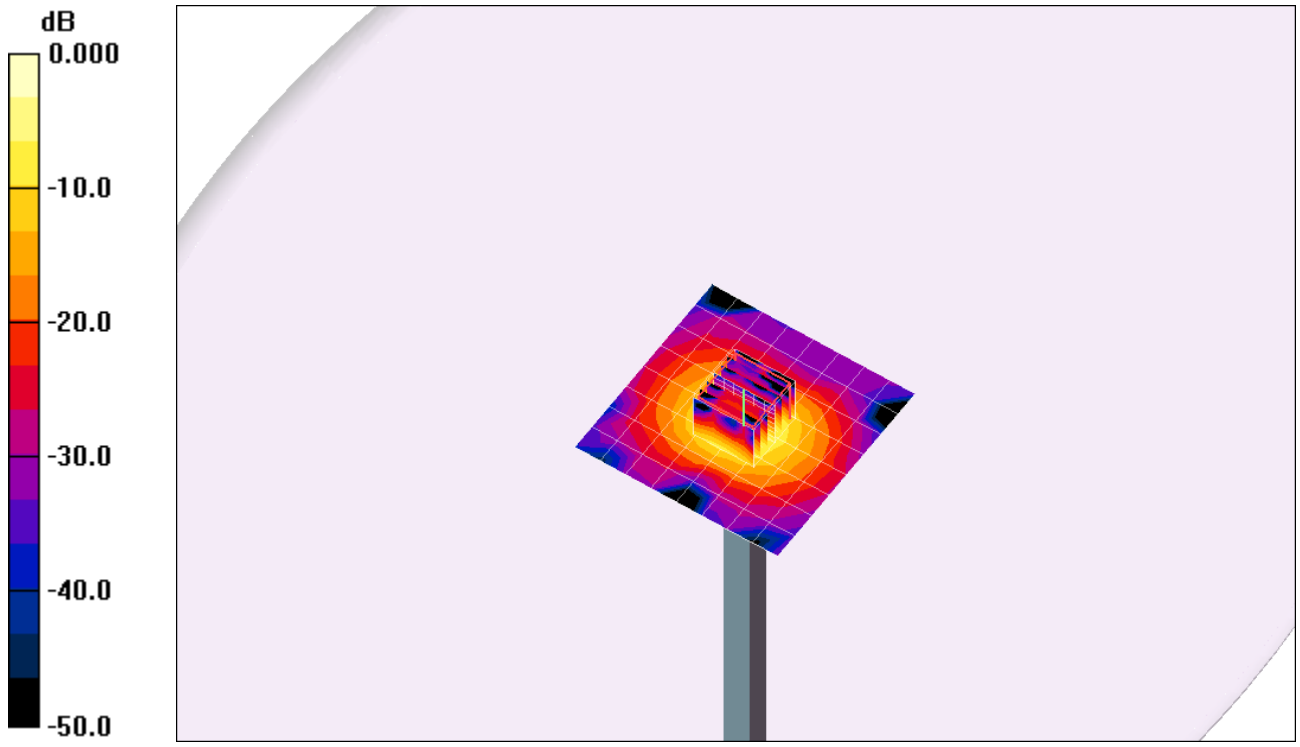
Frequency: 5800 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used (interpolated): f = 5800 MHz; σ = 5.84 mho/m; ε_r = 47.76; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn558; Calibrated: 7/22/2016
- Probe: EX3DV4 - SN3554; ConvF(3.38, 3.38, 3.38); Calibrated: 9/29/2016
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052

Body/Pin=100mW, d=10mm, 5800MHz/Area Scan (9x9x1): Measurement grid: dx=10mm, dy=10mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 13.0 mW/g

Body/Pin=100mW, d=10mm, 5800MHz/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 53.1 V/m; Power Drift = 0.068 dB
Peak SAR (extrapolated) = 31.9 W/kg
SAR(1 g) = 7.8 mW/g; SAR(10 g) = 2.17 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 17.2 mW/g



0 dB = 17.2mW/g

Test Laboratory: Compliance Certification Service Inc. SAR Lab 02 Date/Time: 3/13/2017

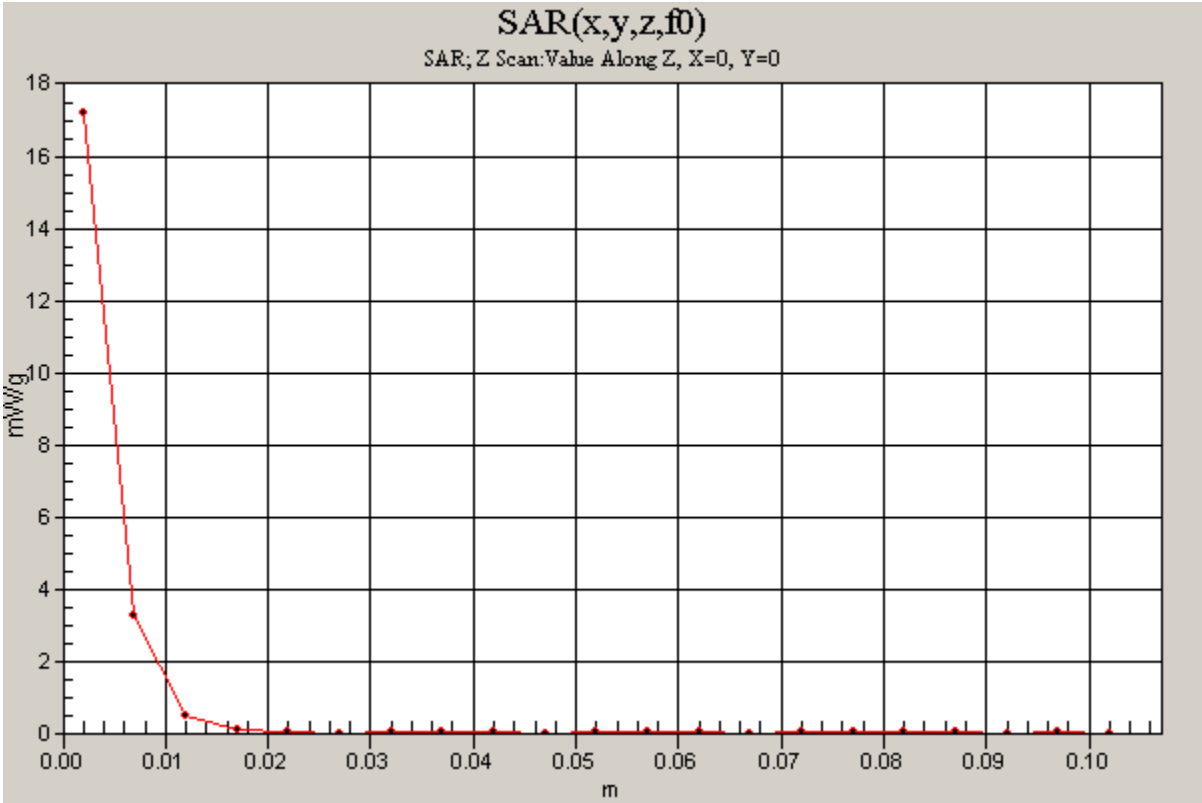
20170302_System Check_Dipole5GHzV2 SN1004

Frequency: 5800 MHz; Duty Cycle: 1:1

Body/Pin=100mW, d=10mm, 5800MHz/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 17.2 mW/g



Test Laboratory: Compliance Certification Service Inc. SAR Lab 02 Date/Time: 3/14/2017

20170302_System Check_Dipole2450V2 SN728

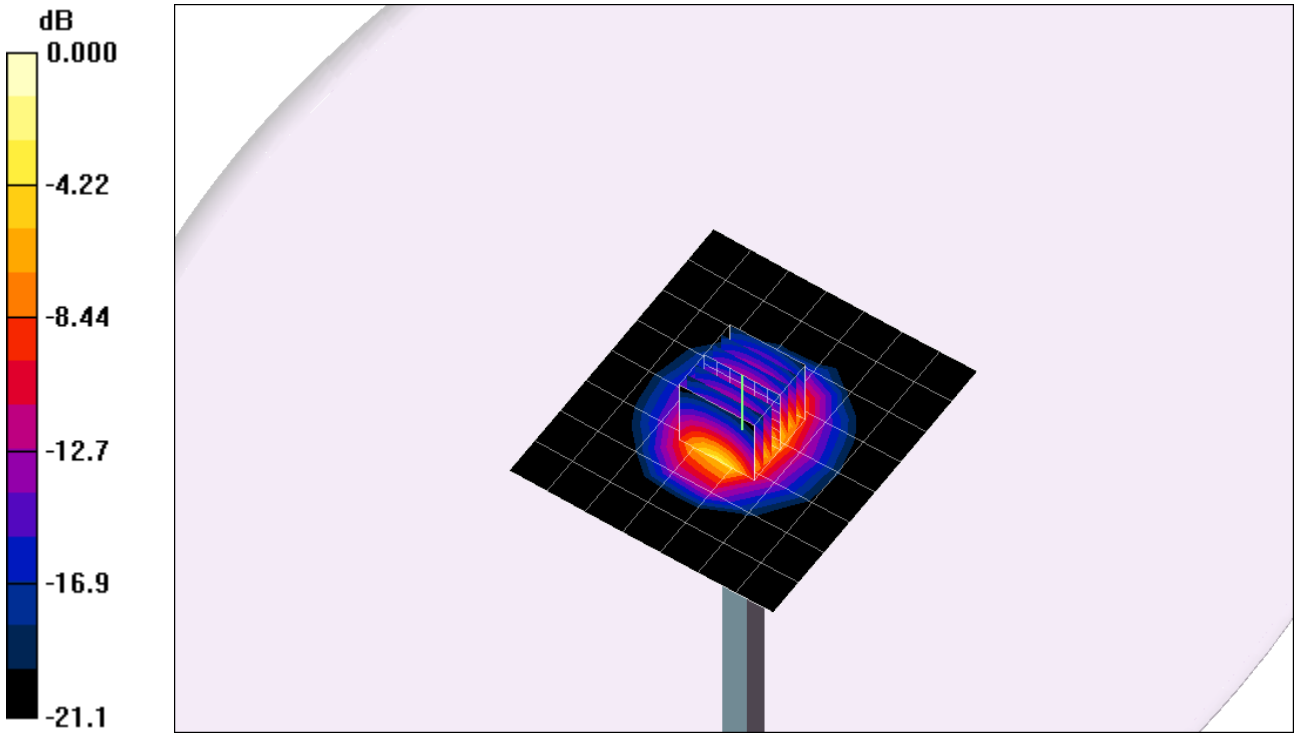
Frequency: 2450 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 2450 MHz; σ = 1.97 mho/m; ε_r = 53.9; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn558; Calibrated: 7/22/2016
- Probe: EX3DV4 - SN3554; ConvF(6.41, 6.41, 6.41); Calibrated: 9/29/2016
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052

Body/Pin=100mW, d=10mm/Area Scan (8x9x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 5.72 mW/g

Body/Pin=100mW, d=10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 62.9 V/m; Power Drift = 0.056 dB
Peak SAR (extrapolated) = 10.5 W/kg
SAR(1 g) = 5.2 mW/g; SAR(10 g) = 2.45 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 7.82 mW/g



0 dB = 7.82mW/g

Test Laboratory: Compliance Certification Service Inc. SAR Lab 02 Date/Time: 3/14/2017

20170302_System Check_Dipole2450V2 SN728

Frequency: 2450 MHz; Duty Cycle: 1:1

Body/Pin=100mW, d=10mm/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Info: Interpolated medium parameters used for SAR evaluation.

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