Test Laboratory: Compliance Certification Service Inc. SAR Lab 02 Date/Time: 3/31/2015

20150331_System Check_Dipole2450 sn728

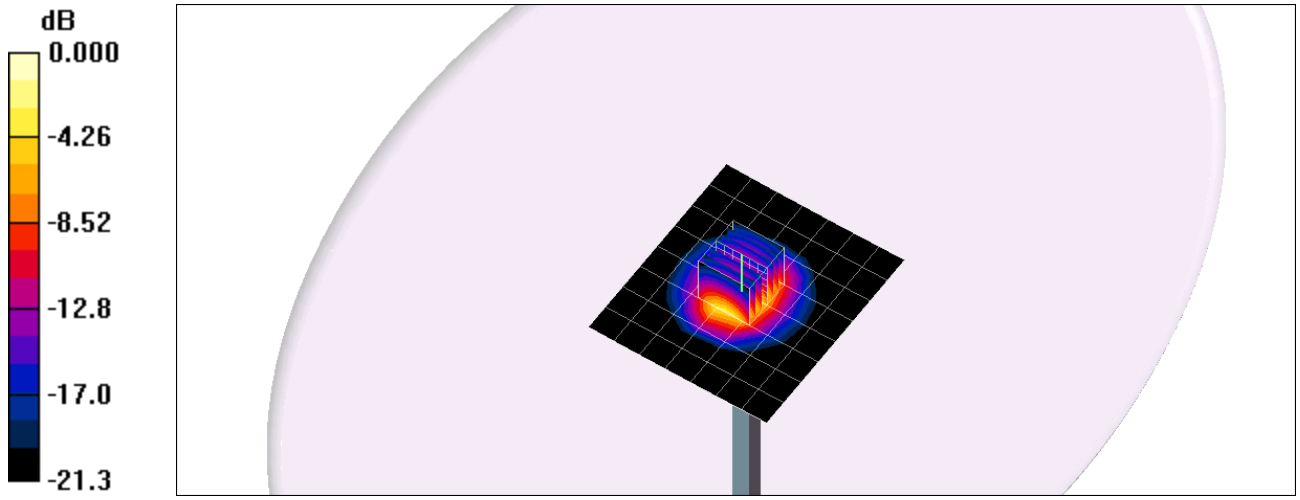
Frequency: 2450 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 2450 MHz; σ = 1.94 mho/m; ε_r = 52.7; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn558; Calibrated: 7/22/2014
- Probe: EX3DV4 - SN3554; ConvF(6.15, 6.15, 6.15); Calibrated: 9/24/2014
- 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) = 6.13 mW/g

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

Reference Value = 61.5 V/m; Power Drift = 0.036 dB
Peak SAR (extrapolated) = 10.4 W/kg
SAR(1 g) = 5.01 mW/g; SAR(10 g) = 2.35 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 7.62 mW/g



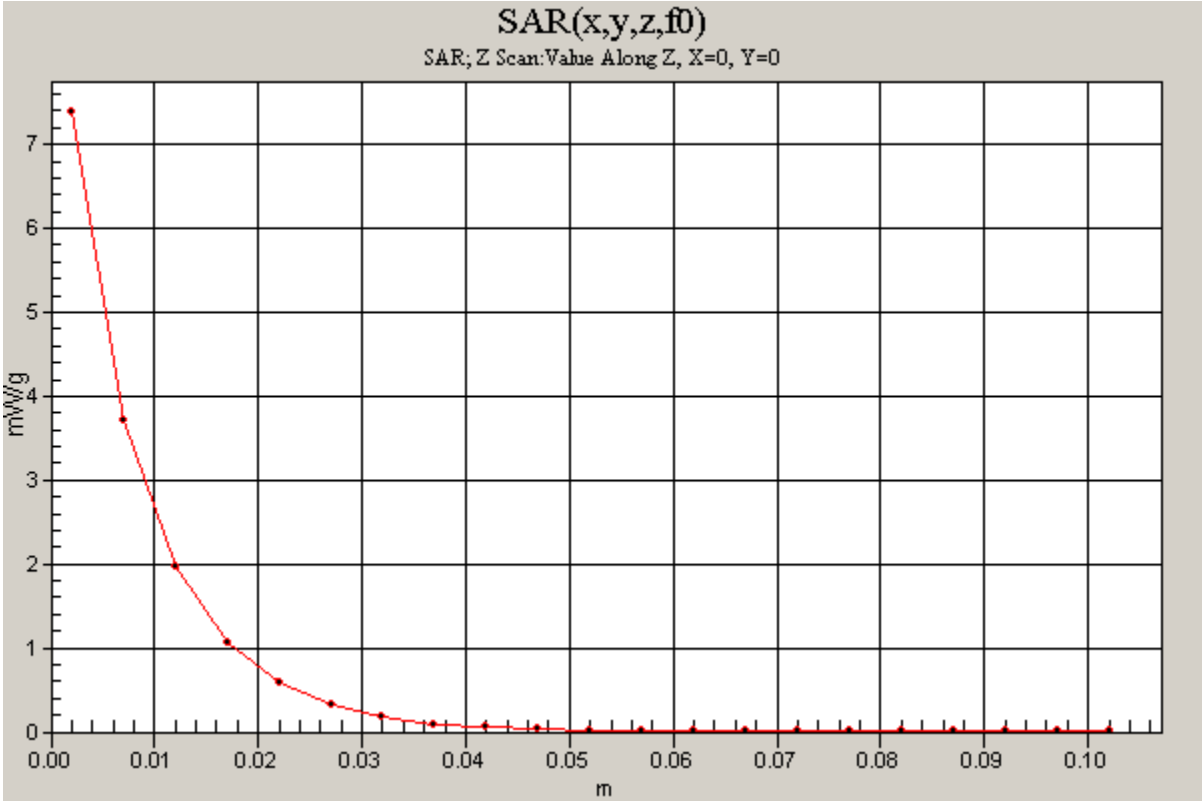
0 dB = 7.62mW/g

Test Laboratory: Compliance Certification Service Inc. SAR Lab 02 Date/Time: 3/31/2015

20150331_System Check_Dipole2450 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) = 7.39 mW/g



Test Laboratory: Compliance Certification Service Inc. SAR Lab 02 Date/Time: 4/2/2015

20150402_System check_Diple5GHzv2 SN1004

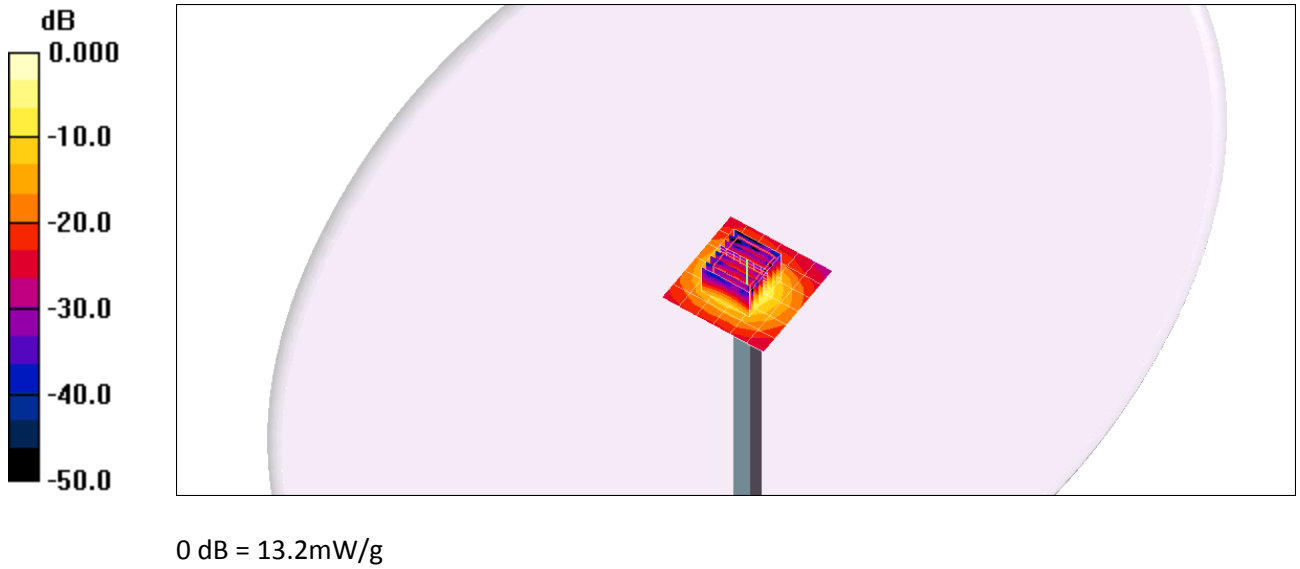
Frequency: 5200 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used (interpolated): f = 5200 MHz; σ = 5.41 mho/m; ε_r = 49.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn558; Calibrated: 7/22/2014
- Probe: EX3DV4 - SN3554; ConvF(4.02, 4.02, 4.02); Calibrated: 9/24/2014
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052

Body/5200MHz,Pin=100mW,d= 2/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 11.7 mW/g

Body/5200MHz,Pin=100mW,d= 2/Zoom Scan (8x8x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 49.0 V/m; Power Drift = 0.093 dB
Peak SAR (extrapolated) = 32.1 W/kg
SAR(1 g) = 7.57 mW/g; SAR(10 g) = 2.1 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 13.2 mW/g



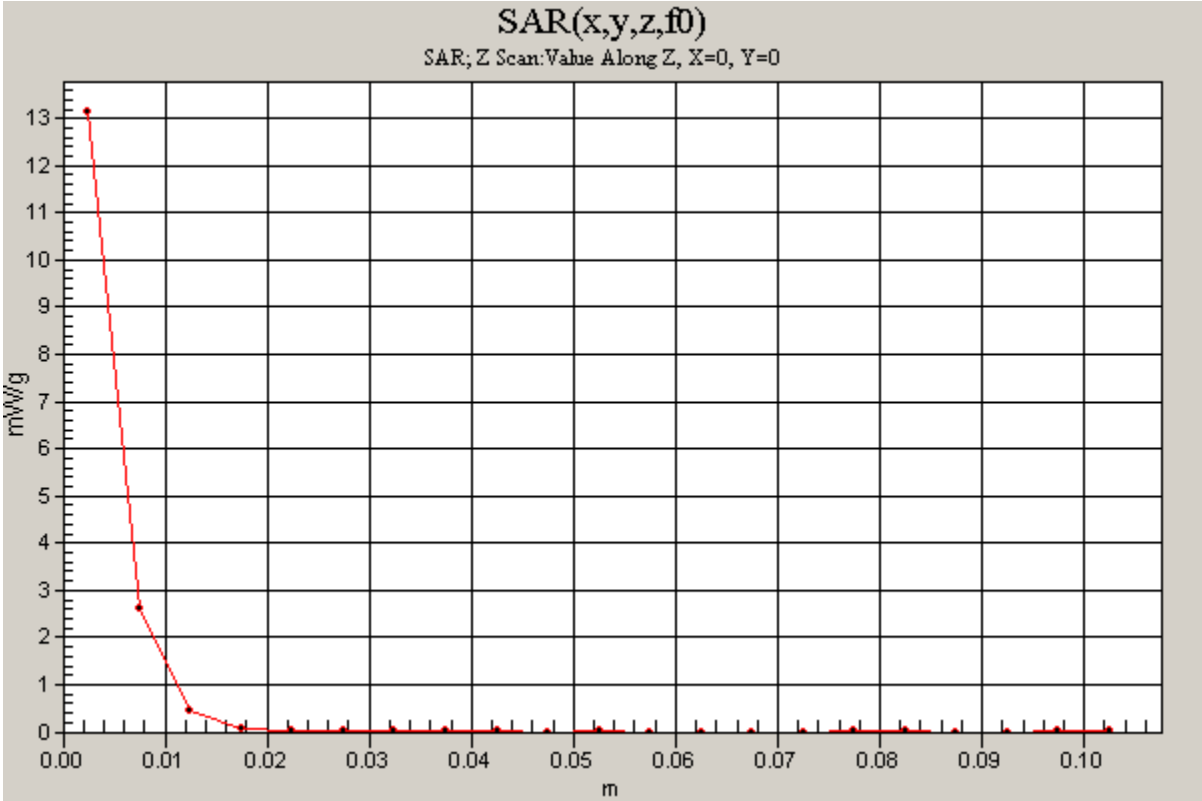
0 dB = 13.2mW/g

Test Laboratory: Compliance Certification Service Inc. SAR Lab 02 Date/Time: 4/2/2015

20150402_System check_Diple5GHzv2 SN1004

Frequency: 5200 MHz; Duty Cycle: 1:1

Body/5200MHz,Pin=100mW,d= 2/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 13.1 mW/g



Test Laboratory: Compliance Certification Service Inc. SAR Lab 02 Date/Time: 4/2/2015

20150402_System check_Diple5GHzv2 SN1004

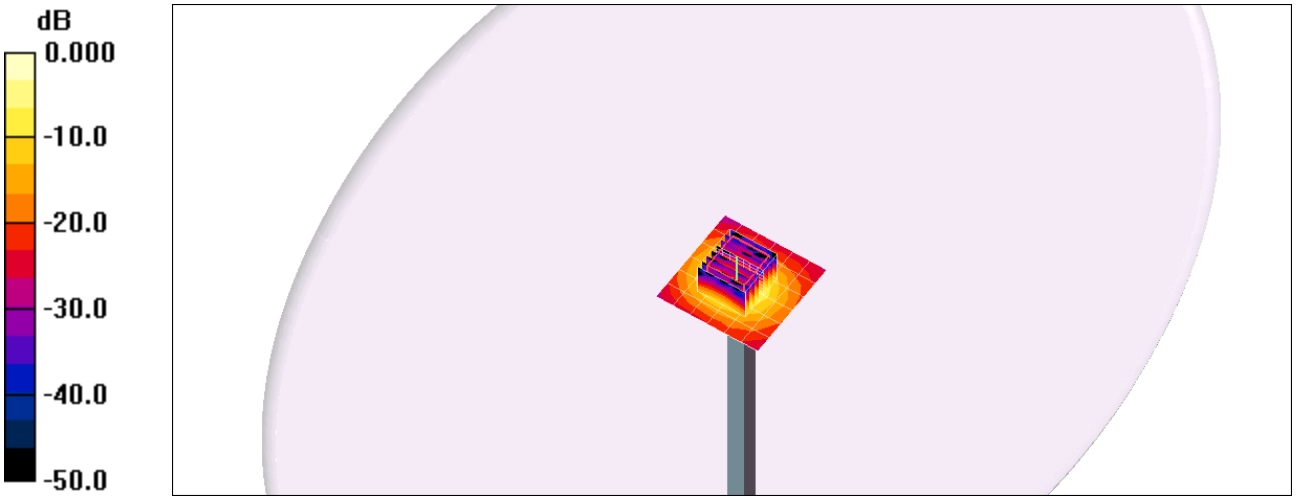
Frequency: 5300 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5300.2 MHz; σ = 5.55 mho/m; ε_r = 49.2; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn558; Calibrated: 7/22/2014
- Probe: EX3DV4 - SN3554; ConvF(3.84, 3.84, 3.84); Calibrated: 9/24/2014
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052

Body/5300MHz,Pin=100mW,d= 2/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm

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

Body/5300MHz,Pin=100mW,d= 2/Zoom Scan (8x8x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 51.4 V/m; Power Drift = 0.026 dB
Peak SAR (extrapolated) = 31.9 W/kg
SAR(1 g) = 7.44 mW/g; SAR(10 g) = 2.08 mW/g
Maximum value of SAR (measured) = 12.9 mW/g



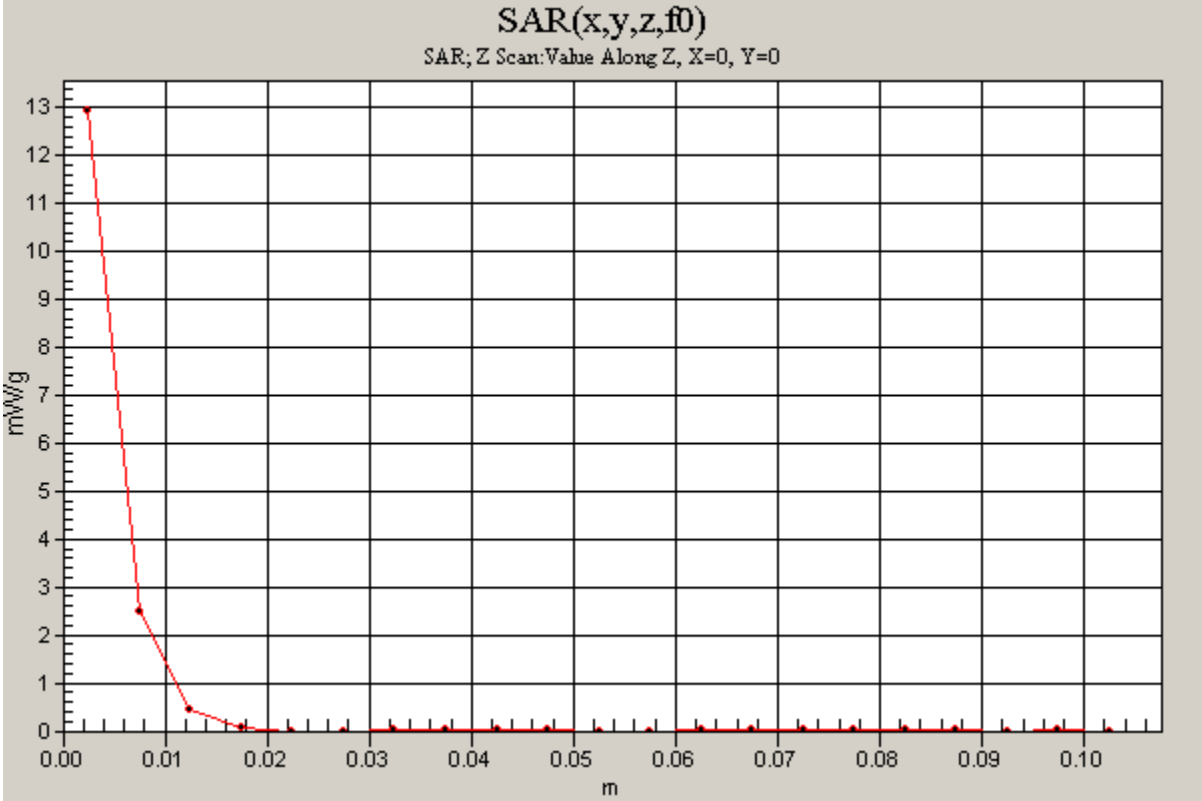
0 dB = 12.9mW/g

Test Laboratory: Compliance Certification Service Inc. SAR Lab 02 Date/Time: 4/2/2015

20150402_System check_Diple5GHzv2 SN1004

Frequency: 5300 MHz; Duty Cycle: 1:1

Body/5300MHz,Pin=100mW,d= 2/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 12.9 mW/g



Test Laboratory: Compliance Certification Service Inc. SAR Lab 02 Date/Time: 4/2/2015

20150402_System check_Diple5GHzv2 SN1004

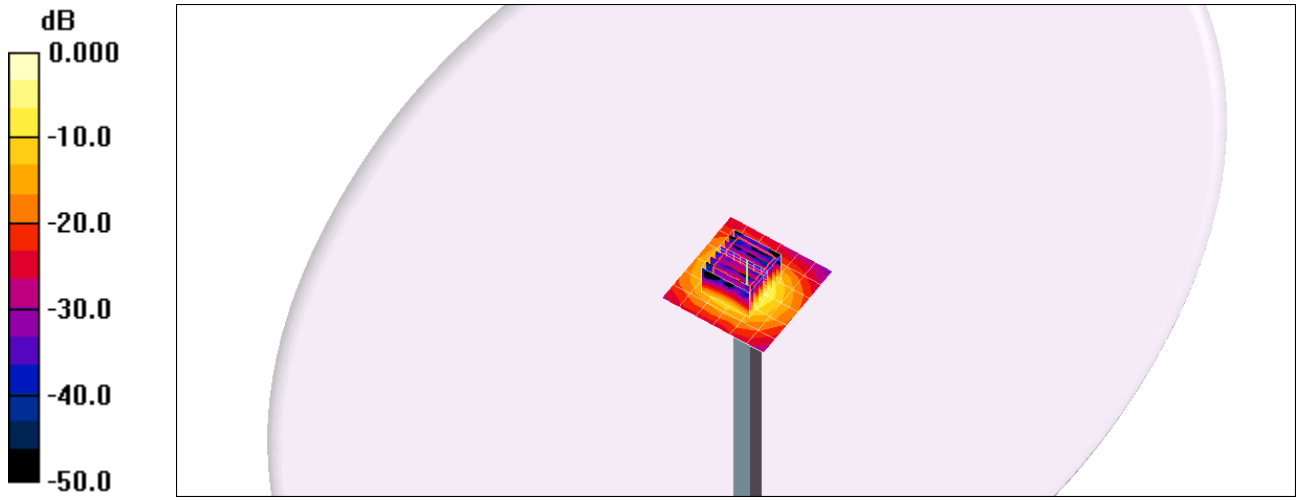
Frequency: 5600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5600.5 MHz; σ = 5.98 mho/m; ε_r = 48.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn558; Calibrated: 7/22/2014
- Probe: EX3DV4 - SN3554; ConvF(3.42, 3.42, 3.42); Calibrated: 9/24/2014
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052

Body/5600MHz,Pin=100mW,d= 2/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 14.4 mW/g

Body/5600MHz,Pin=100mW,d= 2/Zoom Scan (8x8x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 51.2 V/m; Power Drift = -0.020 dB
Peak SAR (extrapolated) = 34.8 W/kg
SAR(1 g) = 7.9 mW/g; SAR(10 g) = 2.19 mW/g
Maximum value of SAR (measured) = 14.0 mW/g



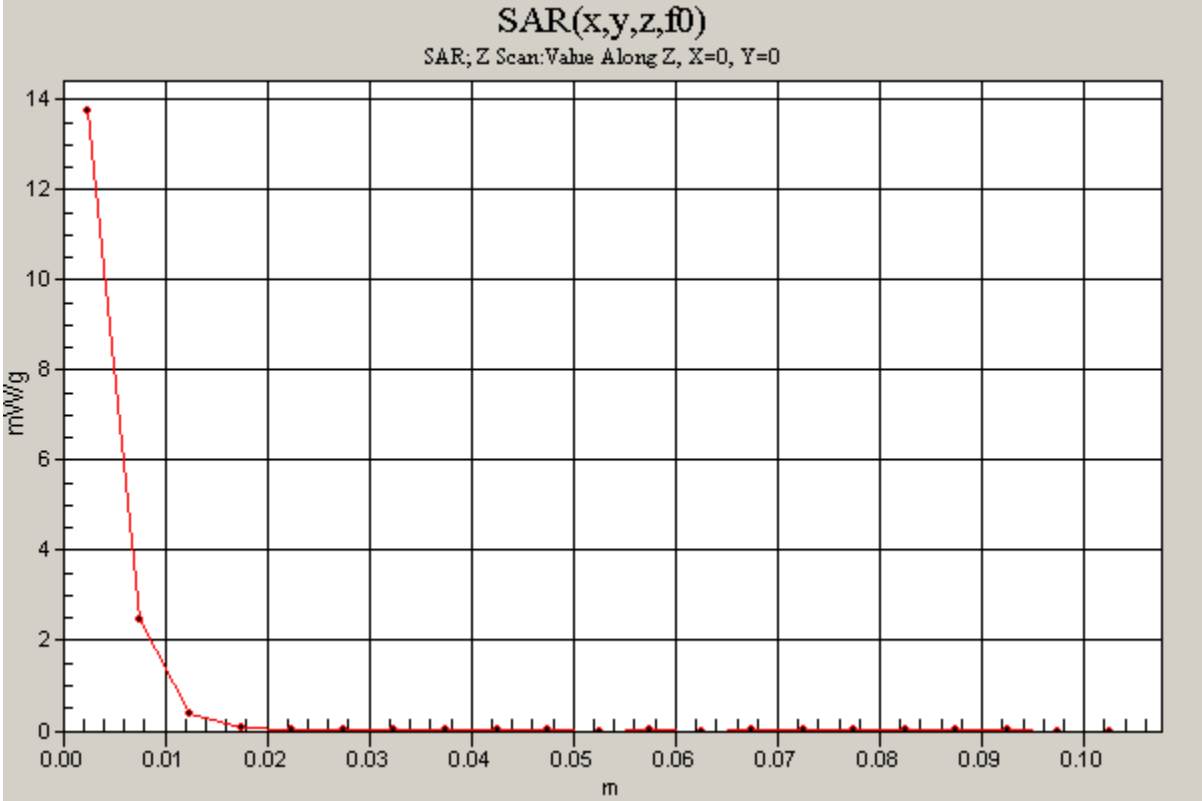
0 dB = 14.0mW/g

Test Laboratory: Compliance Certification Service Inc. SAR Lab 02 Date/Time: 4/2/2015

20150402_System check_Diple5GHzv2 SN1004

Frequency: 5600 MHz; Duty Cycle: 1:1

Body/5600MHz,Pin=100mW,d= 2/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 13.8 mW/g



Test Laboratory: Compliance Certification Service Inc. SAR Lab 02 Date/Time: 4/2/2015

20150402_System check_Diple5GHzv2 SN1004

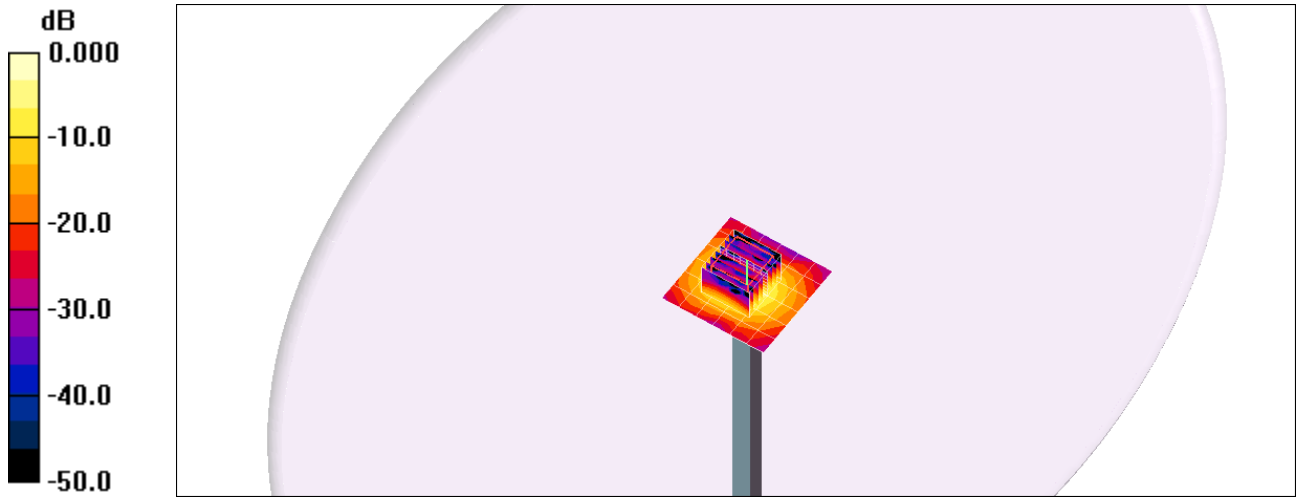
Frequency: 5800 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used (interpolated): f = 5800 MHz; σ = 6.21 mho/m; ε_r = 48; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn558; Calibrated: 7/22/2014
- Probe: EX3DV4 - SN3554; ConvF(3.57, 3.57, 3.57); Calibrated: 9/24/2014
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052

Body/5800MHz,Pin=100mW,d= 2/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 12.4 mW/g

Body/5800MHz,Pin=100mW,d= 2/Zoom Scan (8x8x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 49.2 V/m; Power Drift = 0.003 dB
Peak SAR (extrapolated) = 31.1 W/kg
SAR(1 g) = 7.36 mW/g; SAR(10 g) = 2.12 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 12.6 mW/g



0 dB = 12.6mW/g

Test Laboratory: Compliance Certification Service Inc. SAR Lab 02 Date/Time: 4/2/2015

20150402_System check_Diple5GHzv2 SN1004

Frequency: 5800 MHz; Duty Cycle: 1:1

Body/5800MHz,Pin=100mW,d= 2/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 12.6 mW/g