Test Laboratory: Compliance Certification Service Inc. SAR Lab 02 Date/Time: 2018/07/30

20180730_System Check_Dipole2450 sn735

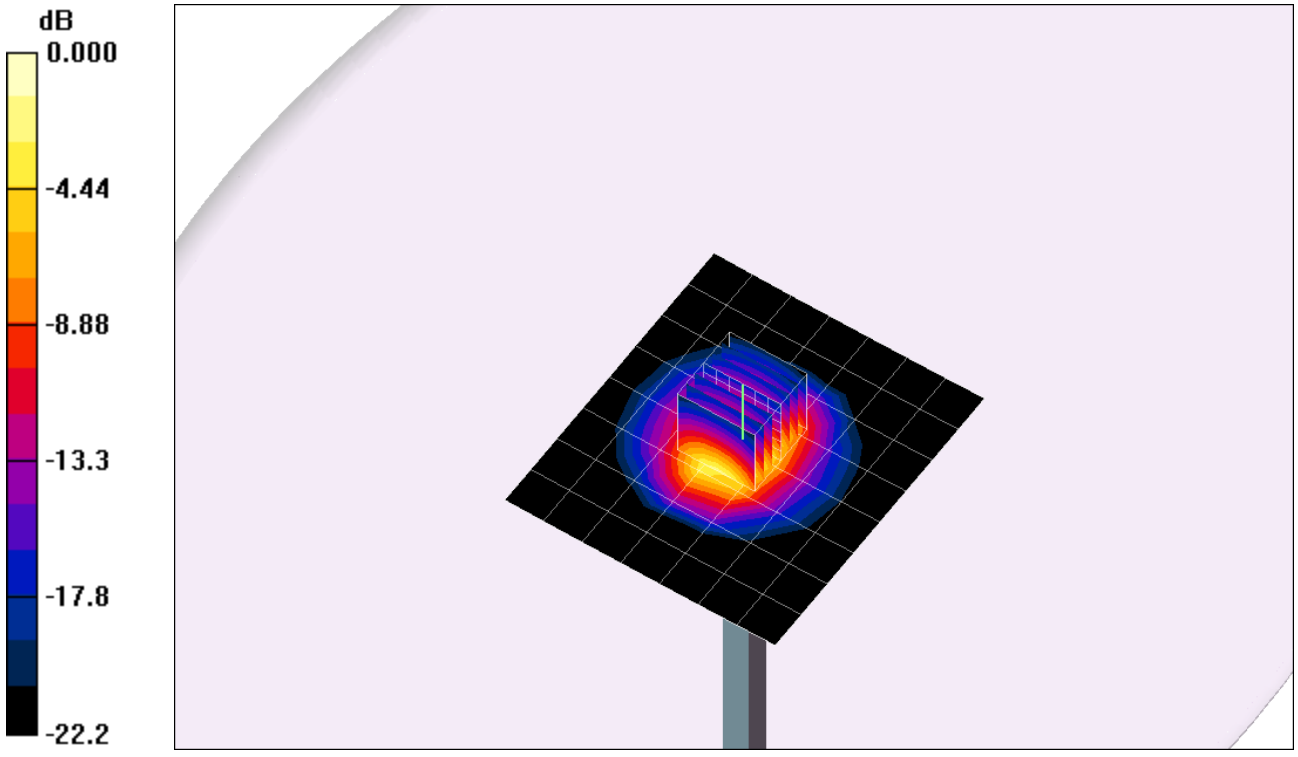
Frequency: 2450 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 2450 MHz; σ = 2.01 mho/m; ε_r = 51.7; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn877; Calibrated: 3/20/2018
- Probe: EX3DV4 - SN3847; ConvF(7.3, 7.3, 7.3); Calibrated: 4/26/2018
- 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) = 5.39 mW/g

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

Reference Value = 56.0 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 8.73 W/kg
SAR(1 g) = 5.21 mW/g; SAR(10 g) = 2.43 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 6.43 mW/g



0 dB = 6.43mW/g

Test Laboratory: Compliance Certification Service Inc. SAR Lab 02 Date/Time: 2018/07/30

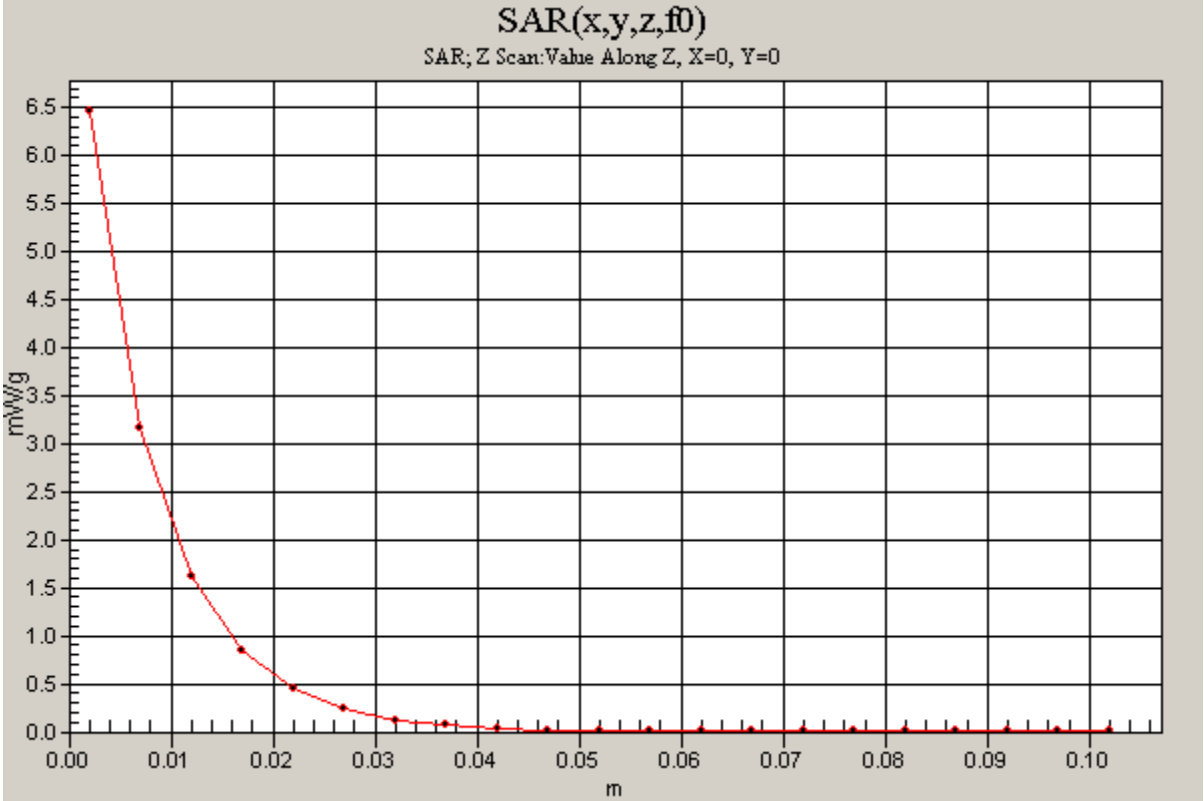
20180730_System Check_Dipole2450 sn735

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) = 6.46 mW/g



Test Laboratory: Compliance Certification Service Inc. SAR Lab 02 Date/Time: 2018/07/31

20180731_System check_Diple5GHzv2 SN1004

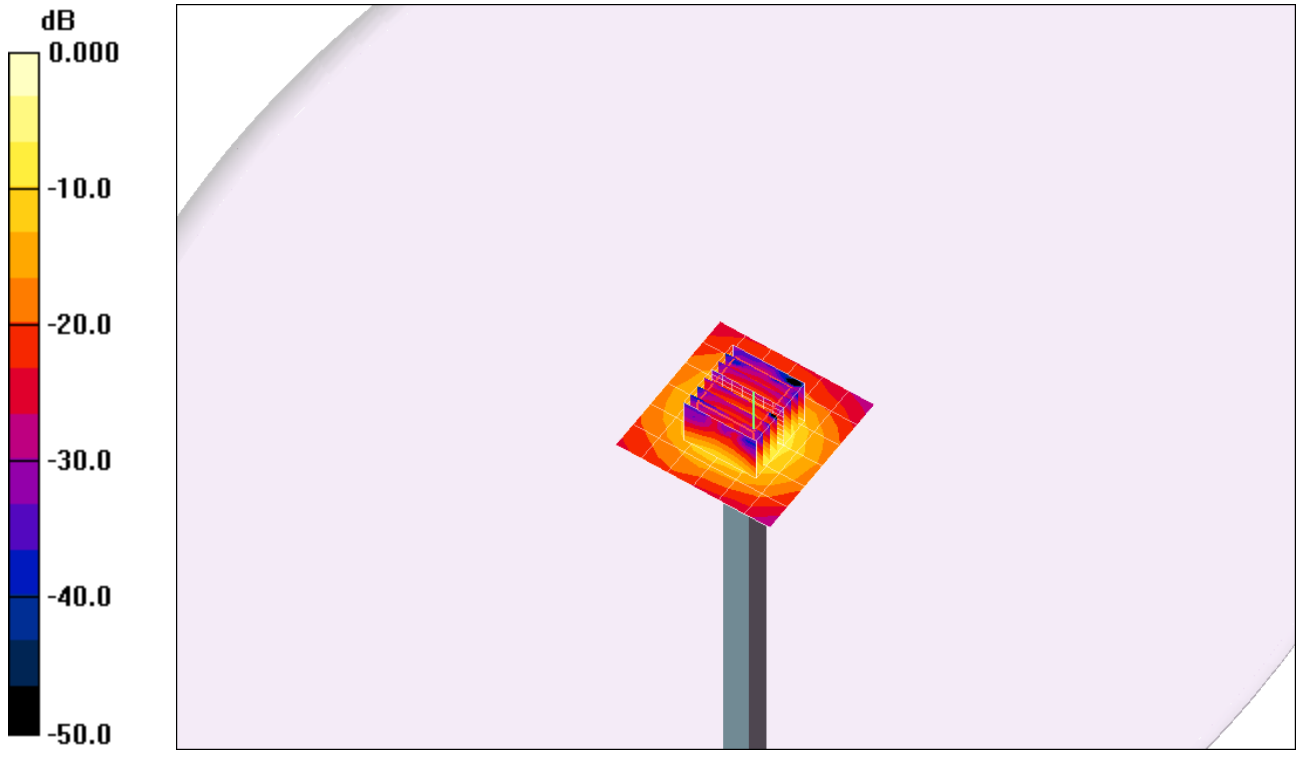
Frequency: 5200 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used (interpolated): f = 5200 MHz; σ = 5.19 mho/m; ε_r = 48.3; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn877; Calibrated: 3/20/2018
- Probe: EX3DV4 - SN3847; ConvF(4.84, 4.84, 4.84); Calibrated: 4/26/2018
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 9.71 mW/g

Body/5200MHz,Pin=100mW,d=10mm/Zoom Scan (8x8x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 45.9 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 21.0 W/kg
SAR(1 g) = 7.62 mW/g; SAR(10 g) = 2.15 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 9.48 mW/g



0 dB = 9.48mW/g

Test Laboratory: Compliance Certification Service Inc. SAR Lab 02 Date/Time: 2018/07/31

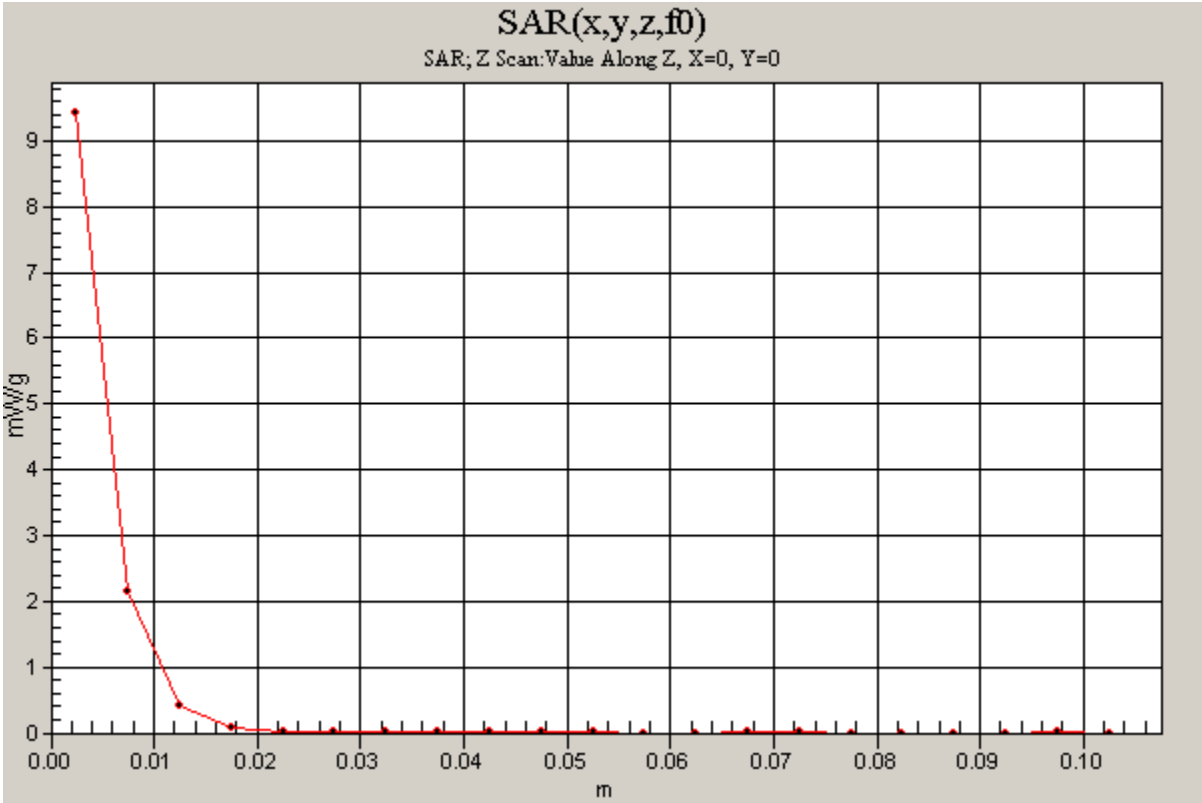
20180731_System check_Diple5GHzv2 SN1004

Frequency: 5200 MHz; Duty Cycle: 1:1

Body/5200MHz,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) = 9.43 mW/g



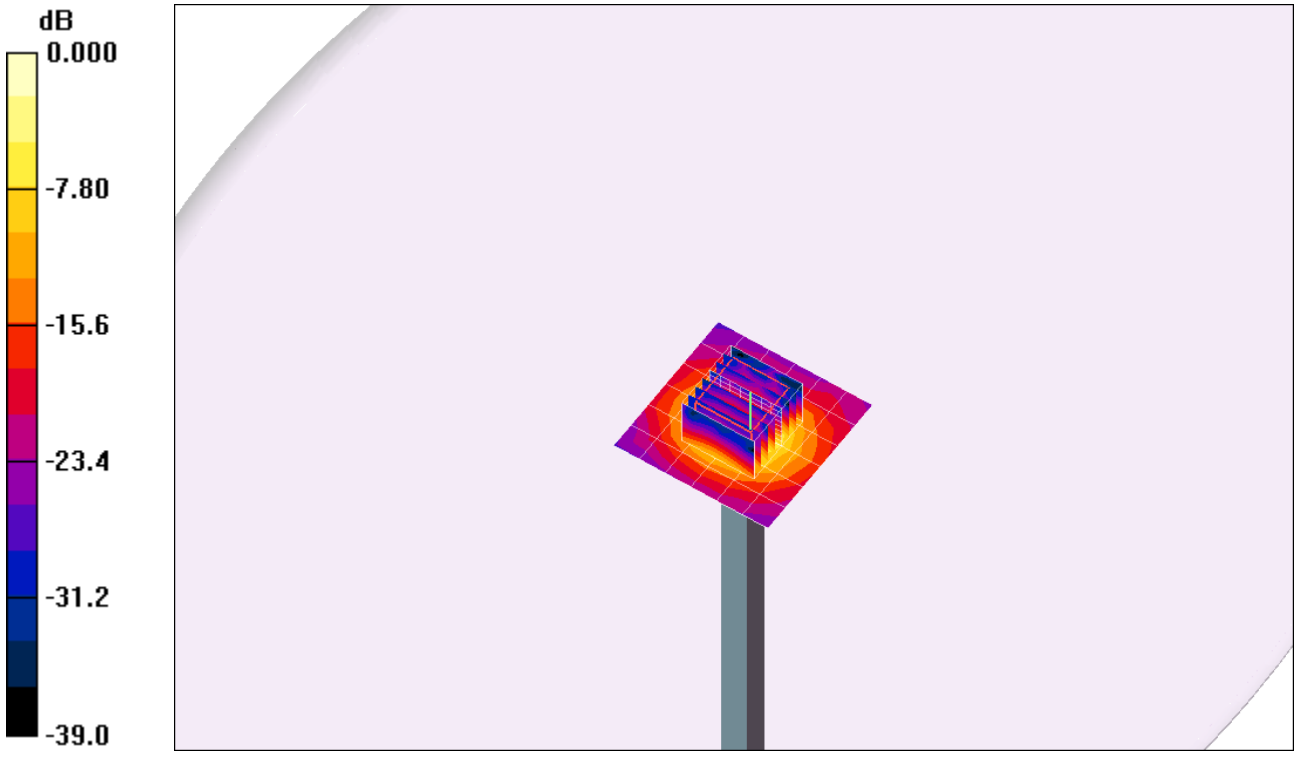
Test Laboratory: Compliance Certification Service Inc. SAR Lab 02 Date/Time: 2018/07/31

20180731_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 = 5.31 mho/m; ε_r = 48.2; 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 Sn877; Calibrated: 3/20/2018
- Probe: EX3DV4 - SN3847; ConvF(4.64, 4.64, 4.64); Calibrated: 4/26/2018
- 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/5300MHz,Pin=100mW,d=10mm/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 9.74 mW/g

Body/5300MHz,Pin=100mW,d=10mm/Zoom Scan (8x8x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 46.2 V/m; Power Drift = -0.020 dB
Peak SAR (extrapolated) = 21.2 W/kg
SAR(1 g) = 7.95 mW/g; SAR(10 g) = 2.18 mW/g
Maximum value of SAR (measured) = 9.42 mW/g

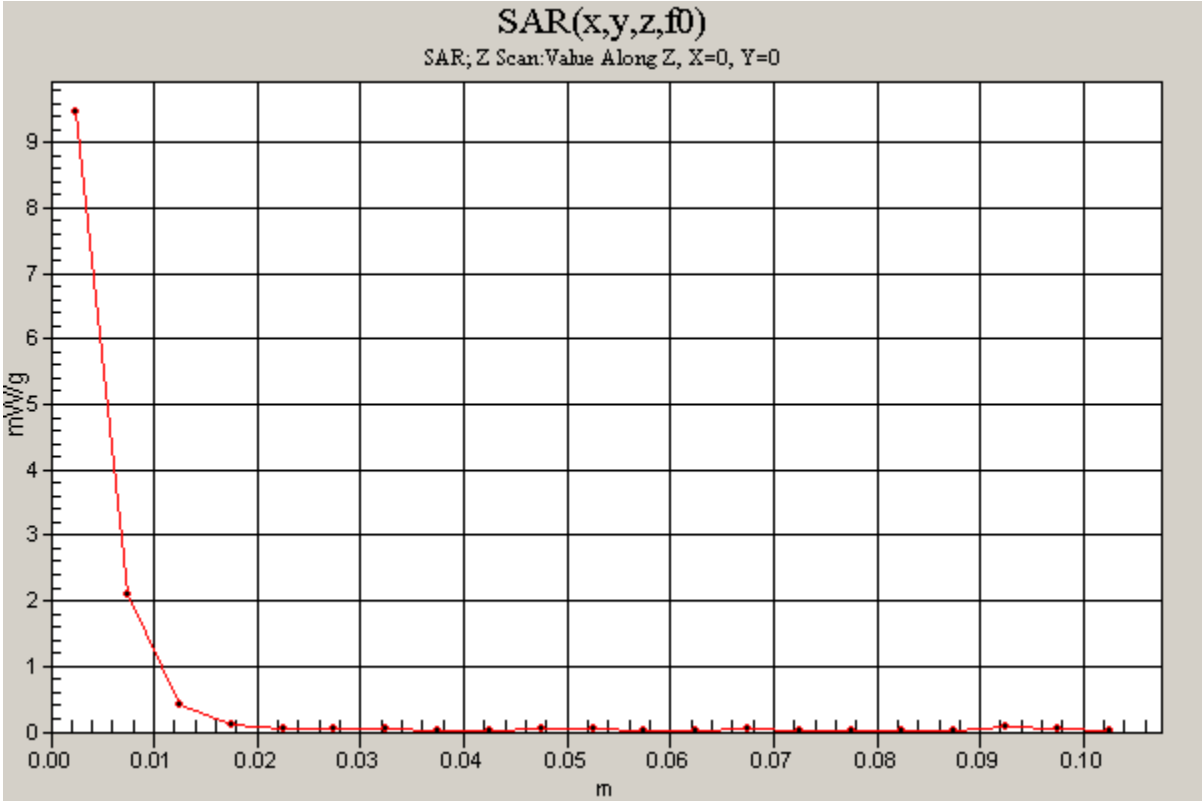


0 dB = 9.42mW/g

20180731_System check_Diple5GHzv2 SN1004

Frequency: 5300 MHz; Duty Cycle: 1:1

Body/5300MHz,Pin=100mW,d=10mm/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 9.47 mW/g



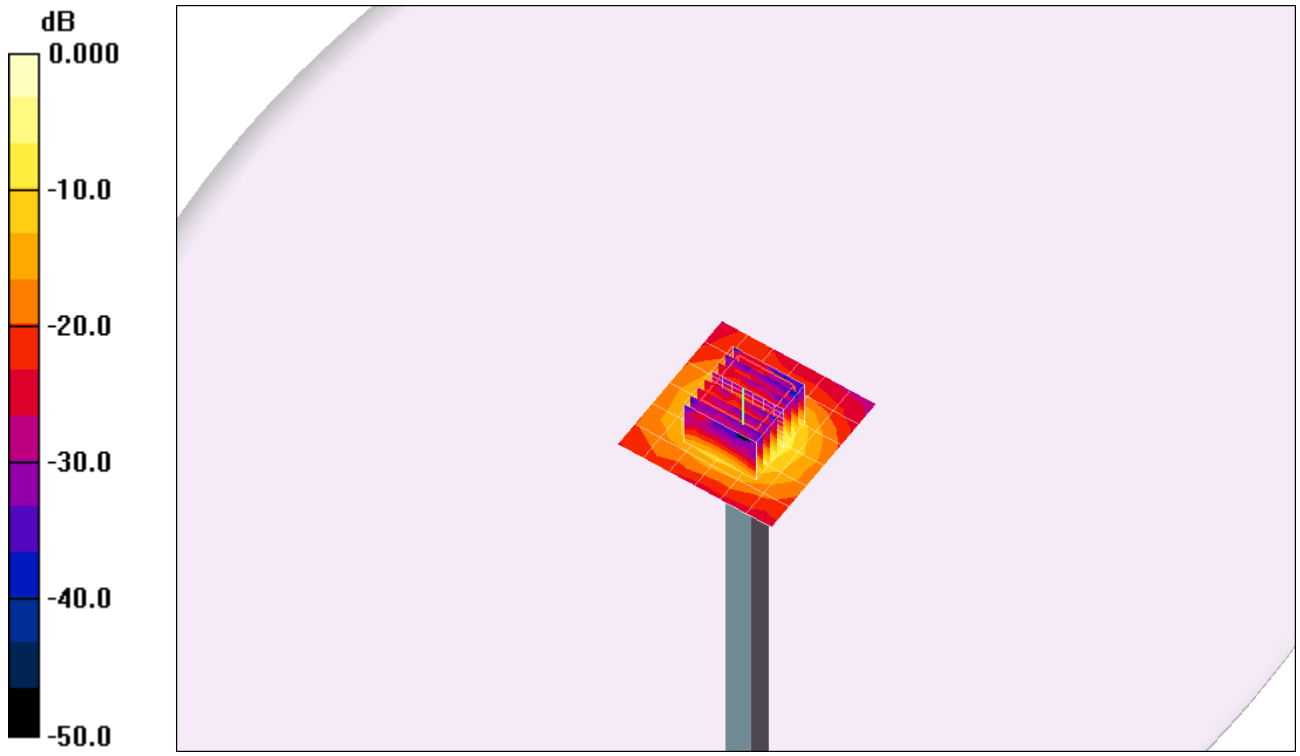
Test Laboratory: Compliance Certification Service Inc. SAR Lab 02 Date/Time: 2018/07/31

20180731_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 = 5.72 mho/m; ε_r = 47.7; 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 Sn877; Calibrated: 3/20/2018
- Probe: EX3DV4 - SN3847; ConvF(4.11, 4.11, 4.11); Calibrated: 4/26/2018
- 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=10mm/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 10.6 mW/g

Body/5600MHz,Pin=100mW,d=10mm/Zoom Scan (8x8x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 46.8 V/m; Power Drift = 0.017 dB
Peak SAR (extrapolated) = 24.8 W/kg
SAR(1 g) = 8.01 mW/g; SAR(10 g) = 2.20 mW/g
Maximum value of SAR (measured) = 10.8 mW/g



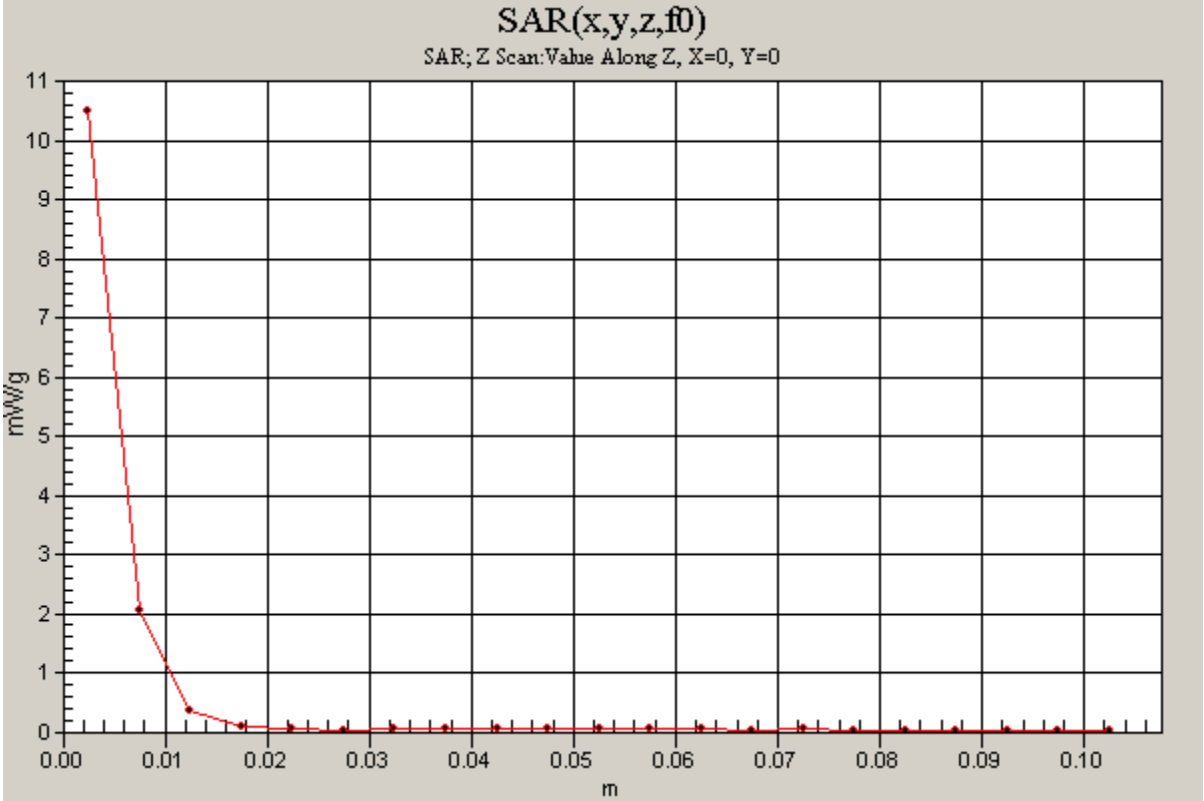
0 dB = 10.8mW/g

Test Laboratory: Compliance Certification Service Inc. SAR Lab 02 Date/Time: 2018/07/31

20180731_System check_Diple5GHzv2 SN1004

Frequency: 5600 MHz; Duty Cycle: 1:1

Body/5600MHz,Pin=100mW,d=10mm/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 10.5 mW/g



Test Laboratory: Compliance Certification Service Inc. SAR Lab 02 Date/Time: 2018/07/31

20180731_System check_Diple5GHzv2 SN1004

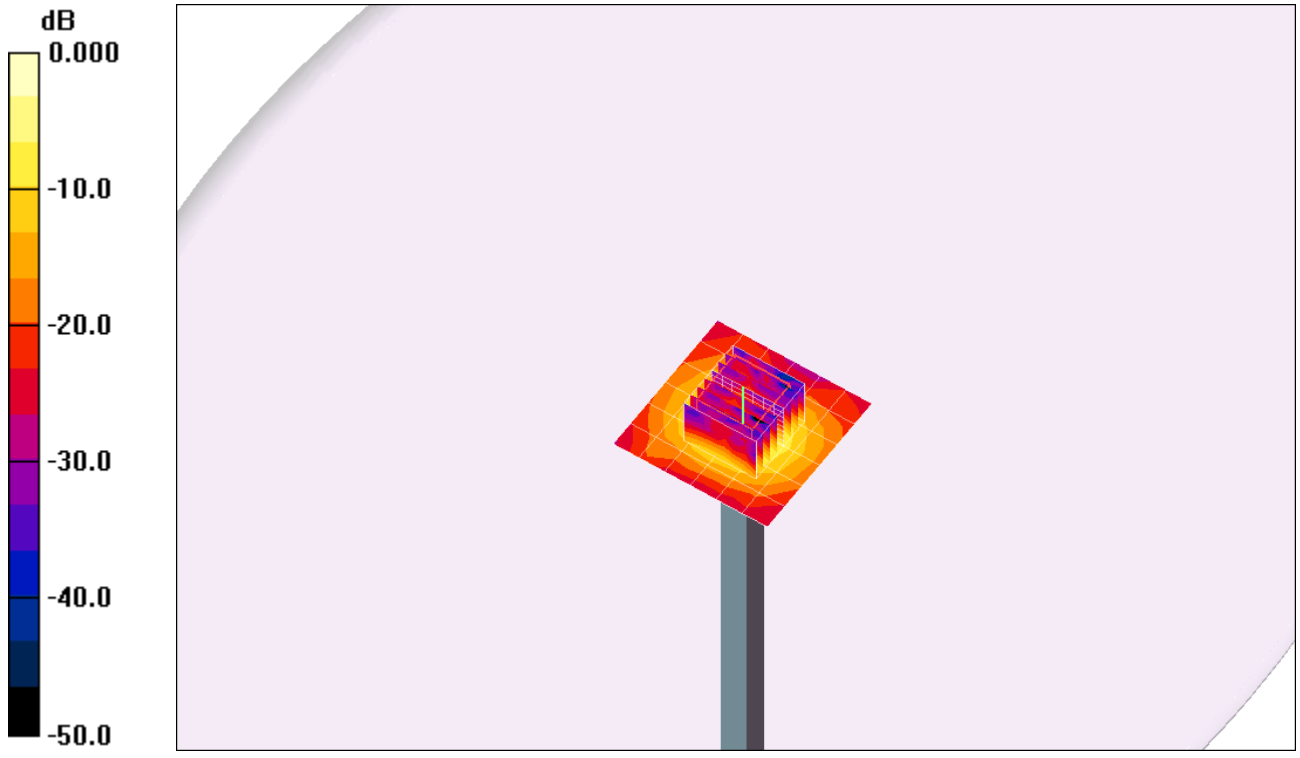
Frequency: 5800 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used (interpolated): f = 5800 MHz; σ = 5.98 mho/m; ε_r = 47.3; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn558; Calibrated: 7/24/2017
- Probe: EX3DV4 - SN3847; ConvF(4.29, 4.29, 4.29); Calibrated: 4/26/2018
- 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/5800MHz,Pin=100mW,d=10mm/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 9.69 mW/g

Body/5800MHz,Pin=100mW,d=10mm/Zoom Scan (8x8x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 43.7 V/m; Power Drift = 0.009 dB
Peak SAR (extrapolated) = 23.5 W/kg
SAR(1 g) = 7.68 mW/g; SAR(10 g) = 2.07 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 9.86 mW/g



0 dB = 9.86mW/g

20180731_System check_Diple5GHzv2 SN1004

Frequency: 5800 MHz; Duty Cycle: 1:1

Body/5800MHz,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) = 9.84 mW/g