Test Laboratory: Compliance Certification Service Inc. SAR Lab 02 Date/Time: 2018/01/17

Wi-Fi 2.4GHz Band

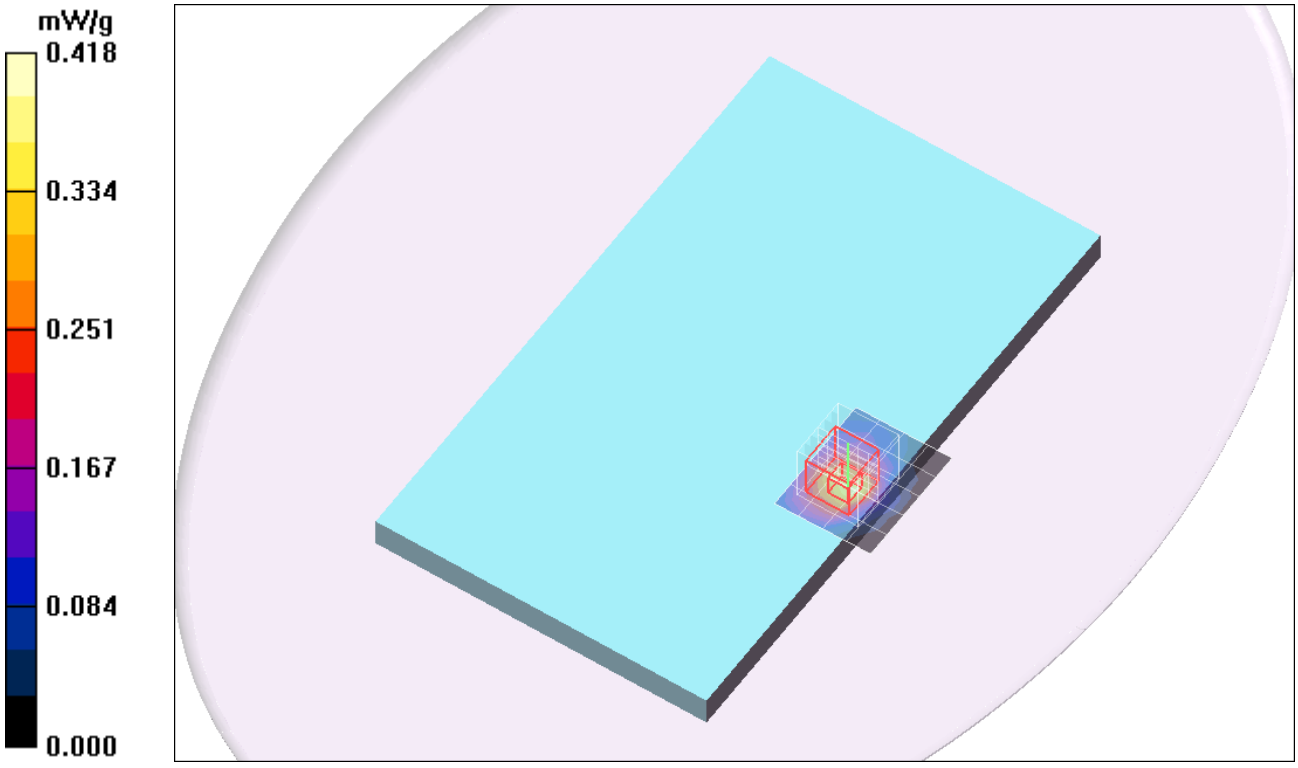
Frequency: 2437 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 2437 MHz; σ = 2.02 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn558; Calibrated: 7/24/2017
- Probe: EX3DV4 - 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

Rear /Main Ant/802.11b/ch6/Area Scan (5x6x1): Measurement grid: dx=12mm, dy=12mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.391 mW/g

Rear /Main Ant/802.11b/ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

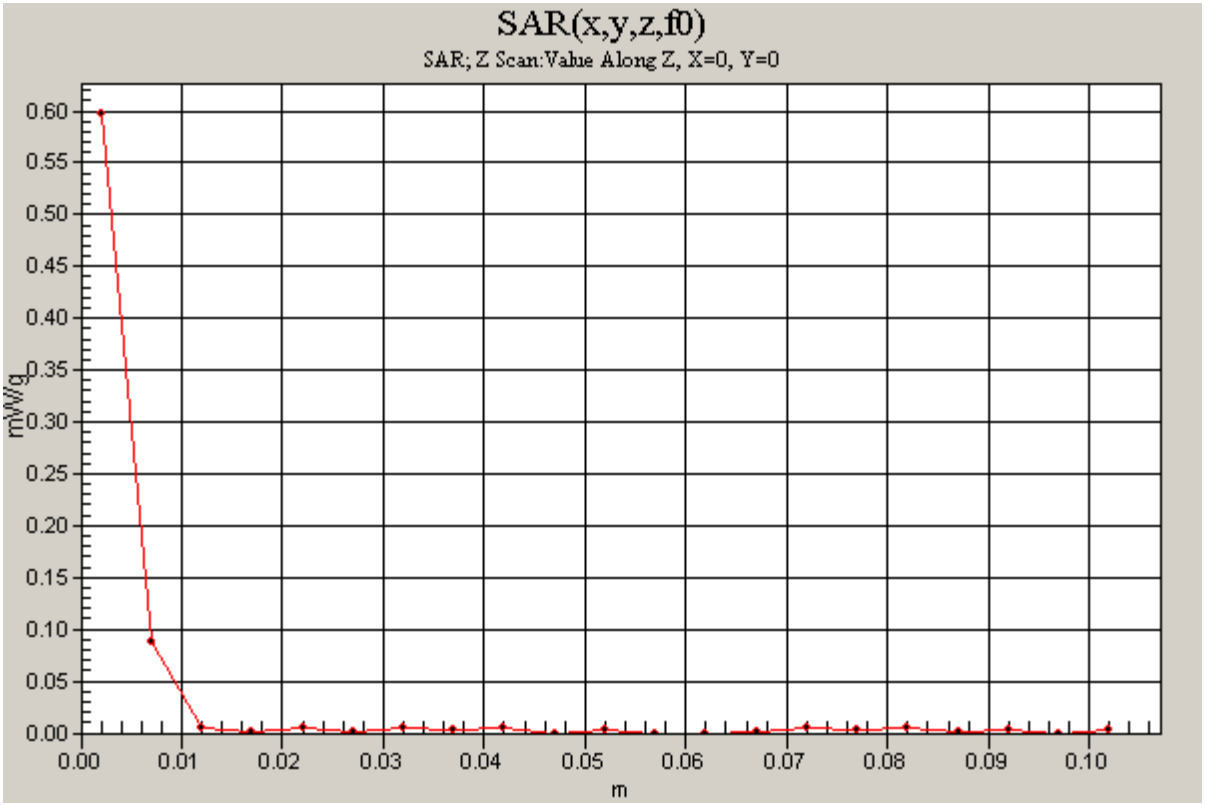
Reference Value = 1.24 V/m; Power Drift = -0.013 dB
Peak SAR (extrapolated) = 0.563 W/kg
SAR(1 g) = 0.279 mW/g; SAR(10 g) = 0.136 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.418 mW/g



Wi-Fi 2.4GHz Band

Frequency: 2437 MHz; Duty Cycle: 1:1

Rear /Main Ant/802.11b/ch6 2/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.597 mW/g



Test Laboratory: Compliance Certification Service Inc. SAR Lab 02 Date/Time: 2018/01/22

Wi-Fi 5GHz Band

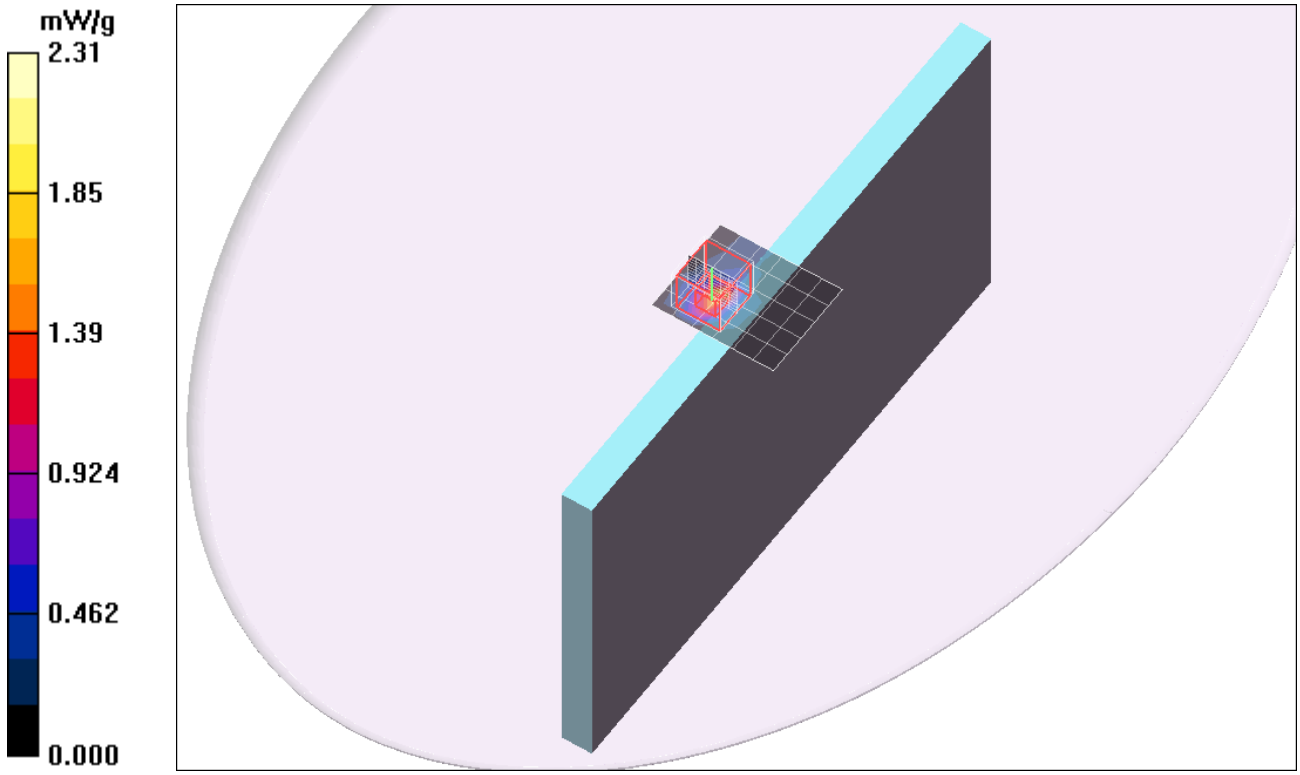
Frequency: 5320 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 5320 MHz; σ = 5.35 mho/m; ε_r = 48.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn558; Calibrated: 7/24/2017
- Probe: EX3DV4 - SN3554; ConvF(3.75, 3.75, 3.75); Calibrated: 9/29/2016
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052

Edge1 /Main Ant/802.11a/ch56/Area Scan (7x6x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.94 mW/g

Edge1 /Main Ant/802.11a/ch56/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

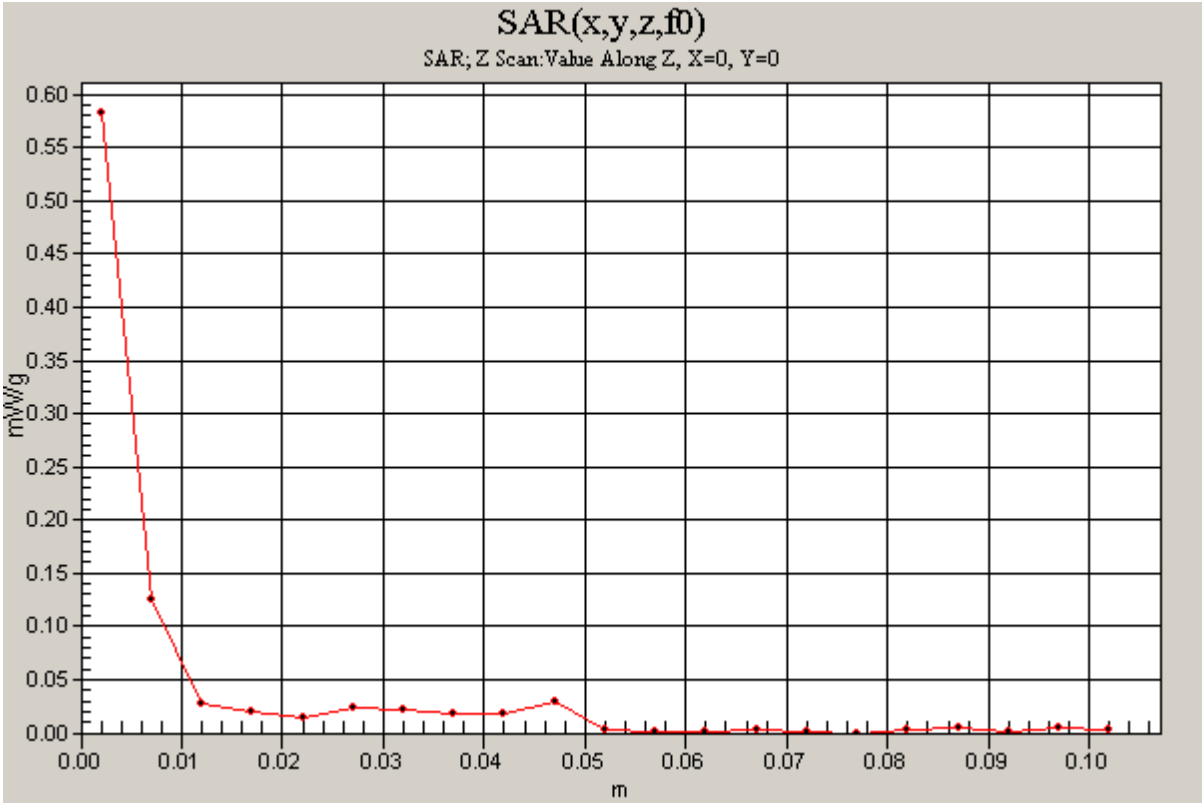
Reference Value = 8.00 V/m; Power Drift = -0.013dB
Peak SAR (extrapolated) = 4.37 W/kg
SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.274 mW/g
Maximum value of SAR (measured) = 2.31 mW/g



Wi-Fi 5GHz Band

Frequency: 5320 MHz; Duty Cycle: 1:1

Edge1 /Main Ant/802.11a/ch56/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.583 mW/g



Wi-Fi 5GHz Band

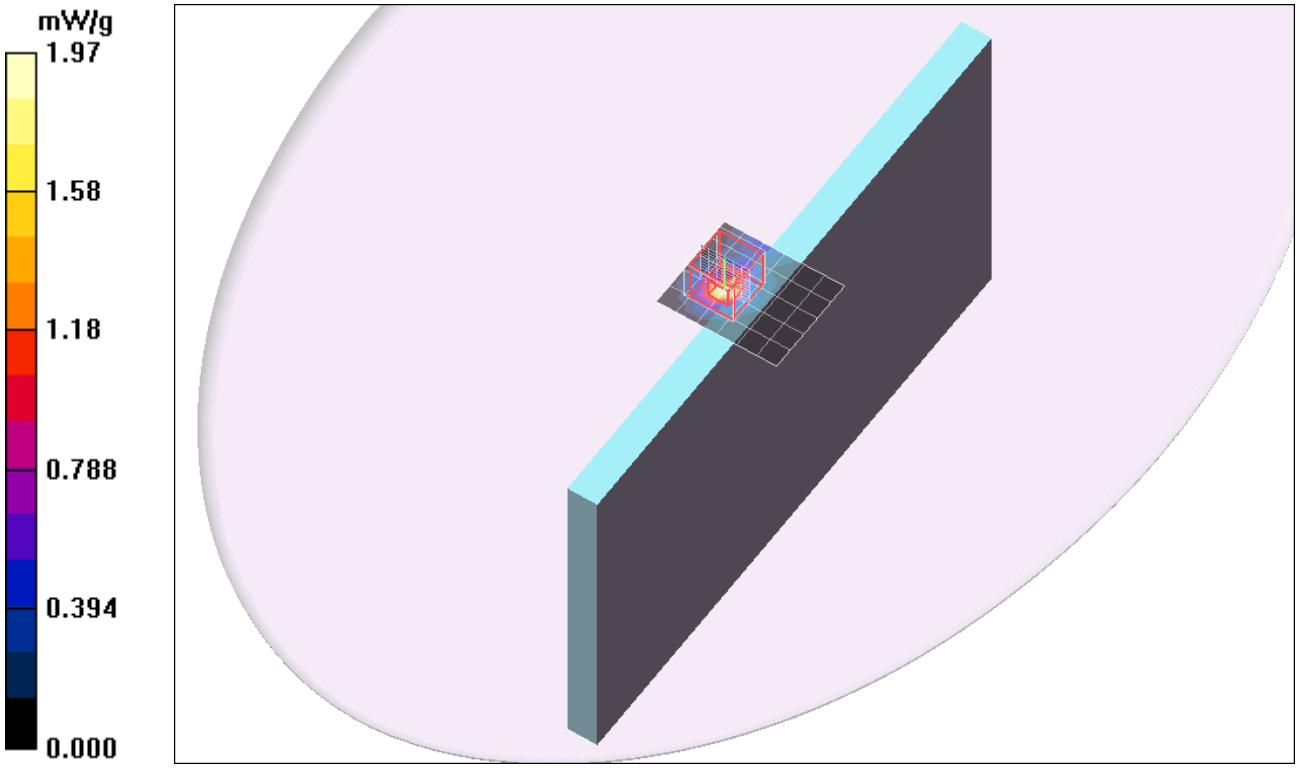
Frequency: 5500 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used (interpolated): f = 5500 MHz; σ = 5.58 mho/m; ε_r = 47.9; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn558; Calibrated: 7/24/2017
- 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

Edge1 /Main Ant/802.11a/ch100/Area Scan (7x6x1): Measurement grid: dx=10mm, dy=10mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.22 mW/g

Edge1 /Main Ant/802.11a/ch100/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

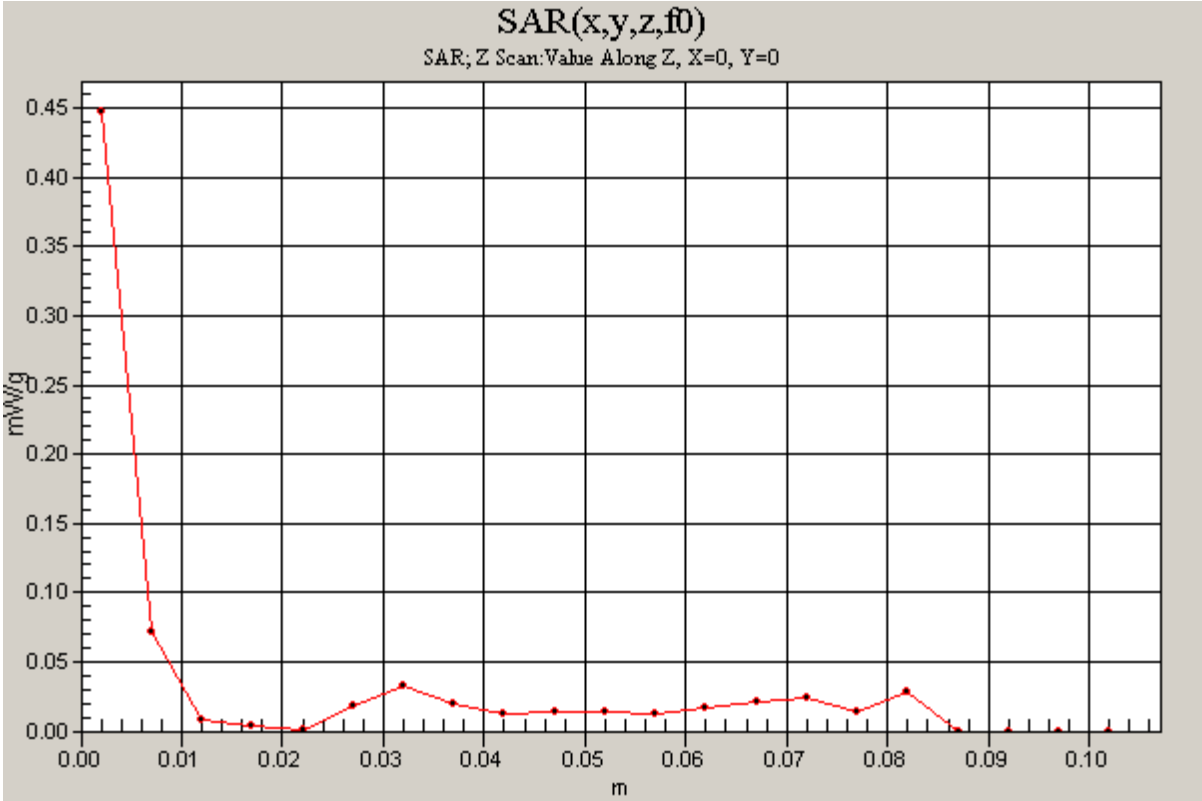
Reference Value = 9.83 V/m; Power Drift = -0.034 dB
Peak SAR (extrapolated) = 3.79 W/kg
SAR(1 g) = 0.884 mW/g; SAR(10 g) = 0.228 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.97 mW/g



Wi-Fi 5GHz Band

Frequency: 5500 MHz; Duty Cycle: 1:1

Edge1 /Main Ant/802.11a/ch100/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.447 mW/g



Wi-Fi 5GHz Band

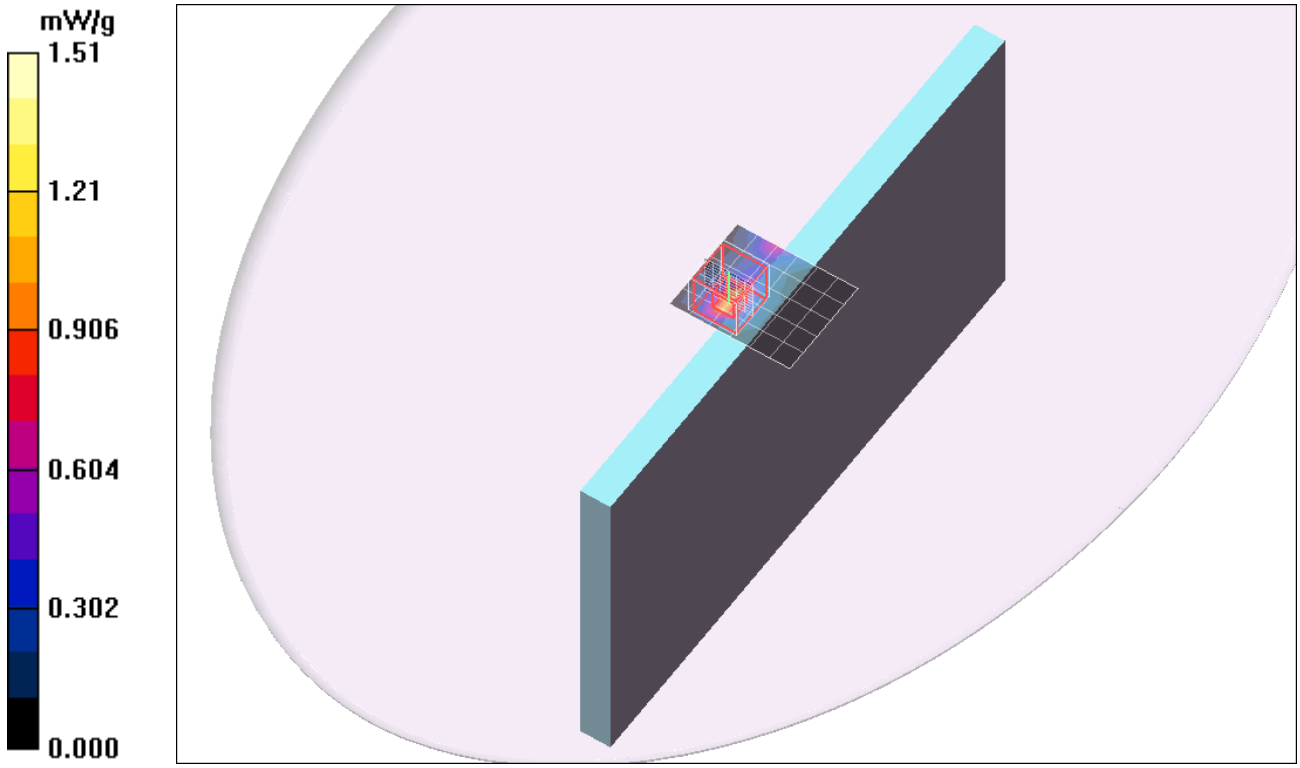
Frequency: 5745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5745.7 MHz; σ = 5.93 mho/m; ε_r = 47.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn558; Calibrated: 7/24/2017
- 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

Edge1 /Main Ant/802.11a/ch149/Area Scan (7x6x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.13 mW/g

Edge1 /Main Ant/802.11a/ch149/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 12.2 V/m; Power Drift = -0.088 dB
Peak SAR (extrapolated) = 3.23 W/kg
SAR(1 g) = 0.678 mW/g; SAR(10 g) = 0.172 mW/g
Maximum value of SAR (measured) = 1.51 mW/g



Wi-Fi 5GHz Band

Frequency: 5745 MHz; Duty Cycle: 1:1

Edge1 /Main Ant/802.11a/ch149/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.661 mW/g