Test Laboratory: UL CCS SAR Lab B Date: 6/21/2012

WiFi 5.2 GHz band

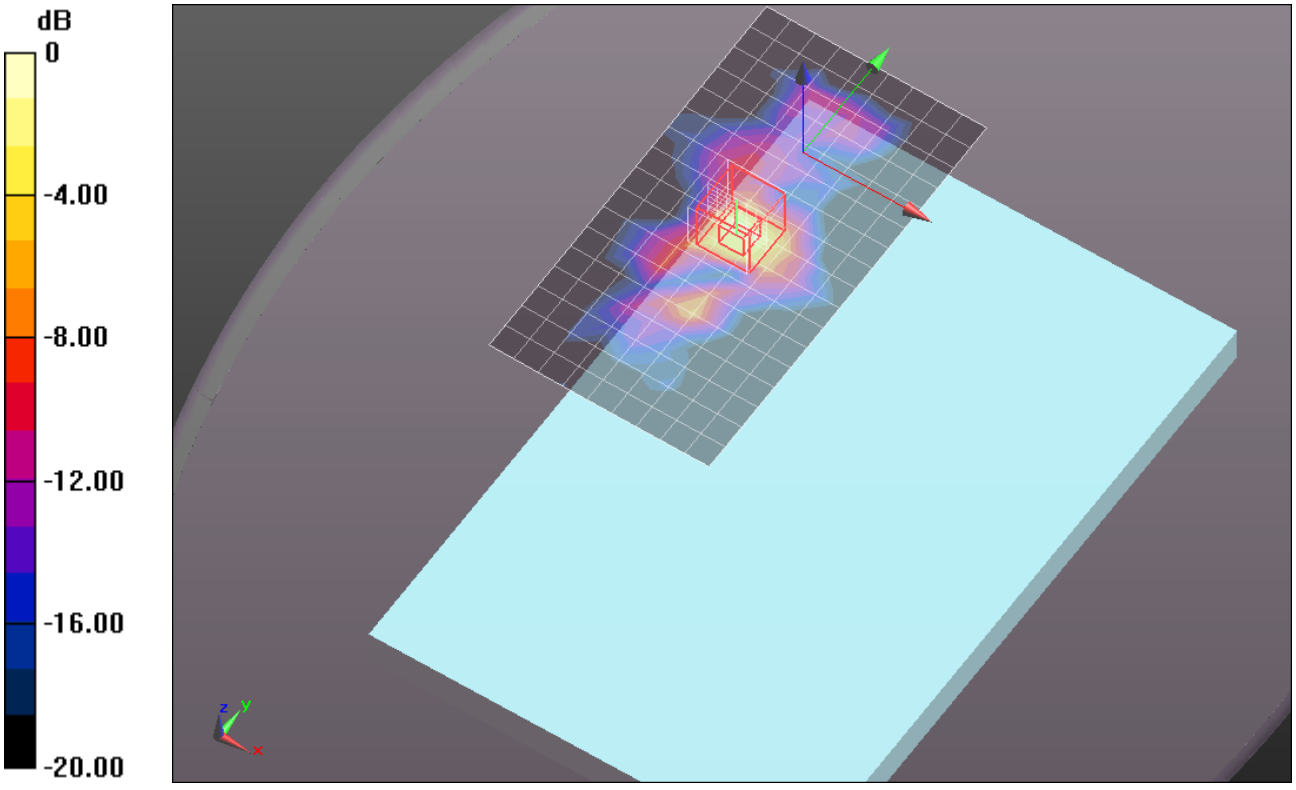
Frequency: 5180 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5180 MHz; σ = 5.231 mho/m; ε_r = 51.246; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(4.04, 4.04, 4.04); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Rear/Ch 36/Area Scan (10x18x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.525 mW/g

Rear/Ch 36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 10.769 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 1.6380
SAR(1 g) = 0.431 mW/g; SAR(10 g) = 0.118 mW/g
Maximum value of SAR (measured) = 0.780 mW/g



0 dB = 0.780mW/g = -2.16 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 6/21/2012

WiFi 5.2 GHz band

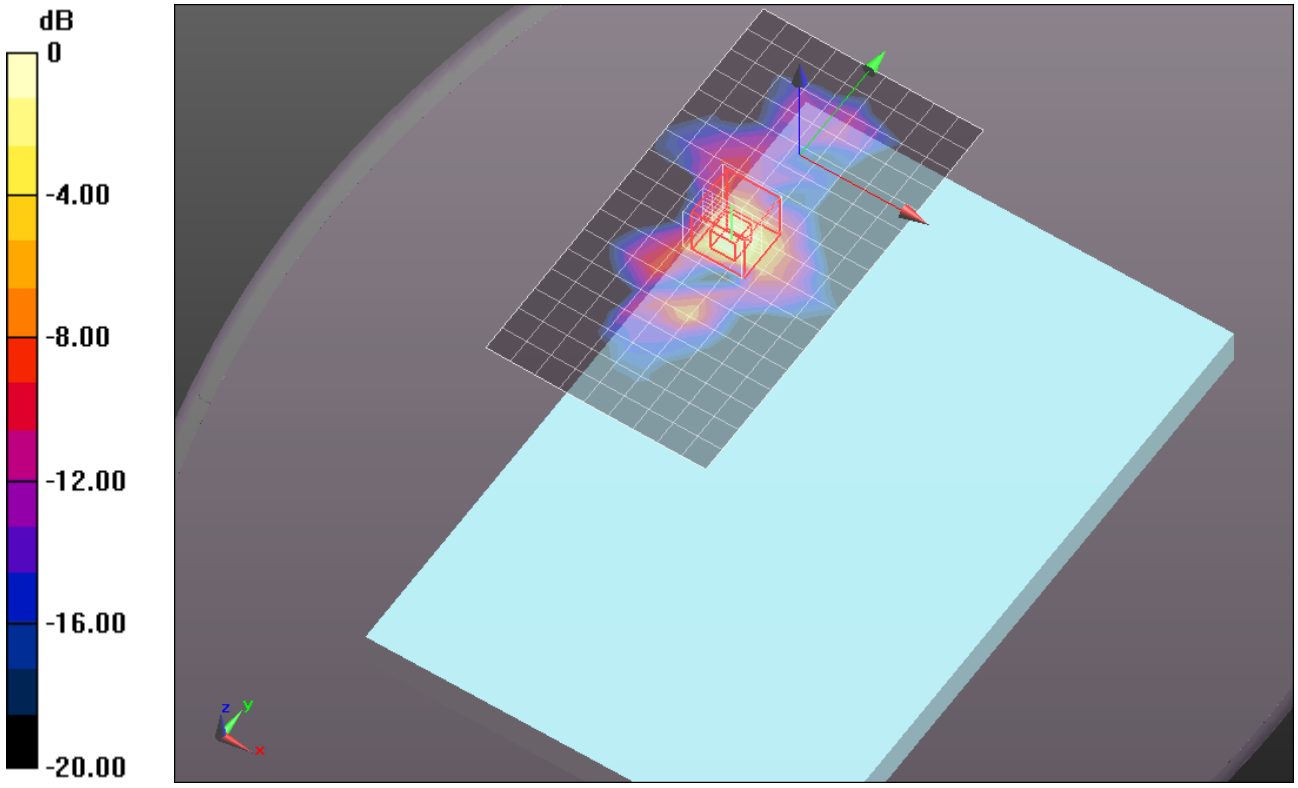
Frequency: 5230 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5230 MHz; σ = 5.297 mho/m; ε_r = 51.175; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(4.04, 4.04, 4.04); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Rear/Ch 48/Area Scan (10x18x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.488 mW/g

Rear/Ch 48/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 10.559 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.7140
SAR(1 g) = 0.463 mW/g; SAR(10 g) = 0.132 mW/g
Maximum value of SAR (measured) = 0.822 mW/g



0 dB = 0.820mW/g = -1.72 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 6/21/2012

WiFi 5.2 GHz band

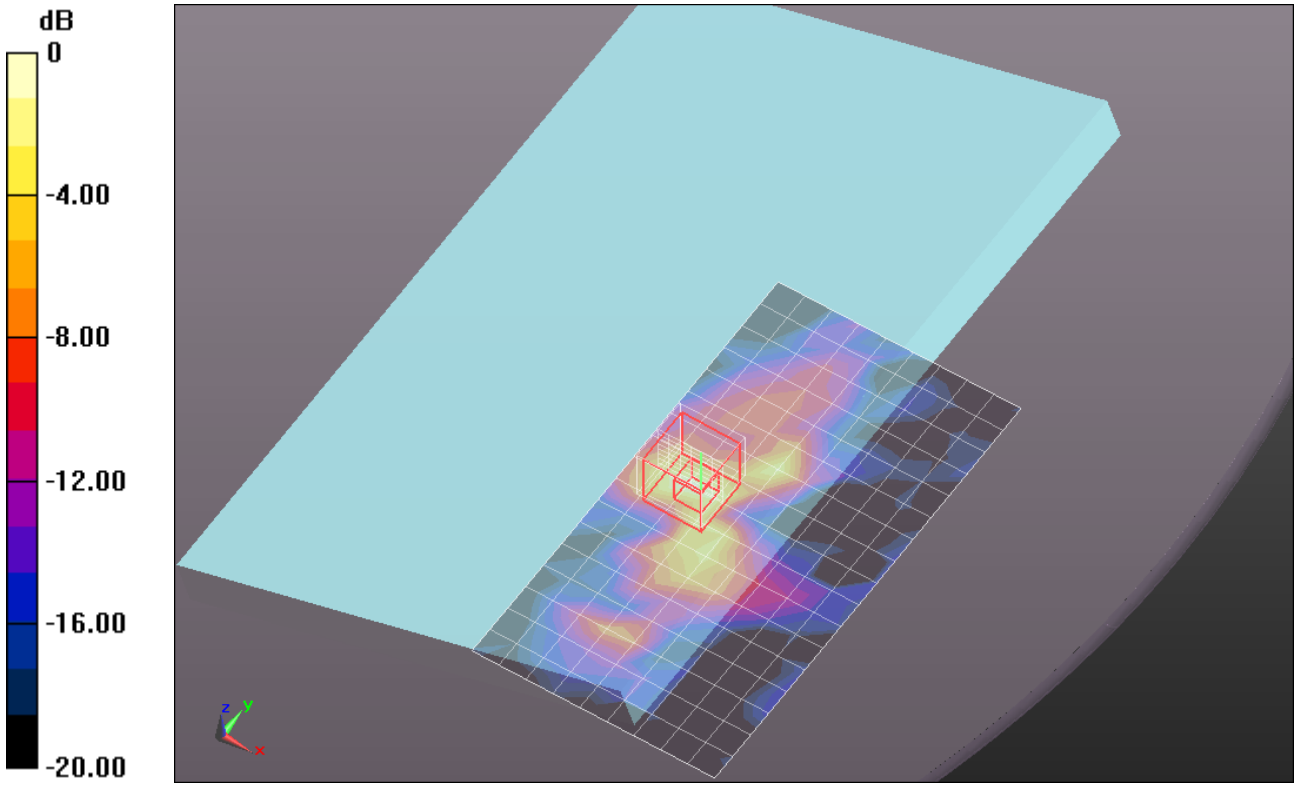
Frequency: 5180 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5180 MHz; σ = 5.231 mho/m; ε_r = 51.246; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(4.04, 4.04, 4.04); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Rear 20 deg. tilt @ Edge 3/Ch 36/Area Scan (10x18x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.302 mW/g

Rear 20 deg. tilt @ Edge 3/Ch 36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 8.125 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 1.5630
SAR(1 g) = 0.181 mW/g; SAR(10 g) = 0.050 mW/g
Maximum value of SAR (measured) = 0.306 mW/g



0 dB = 0.310mW/g = -10.17 dB mW/g

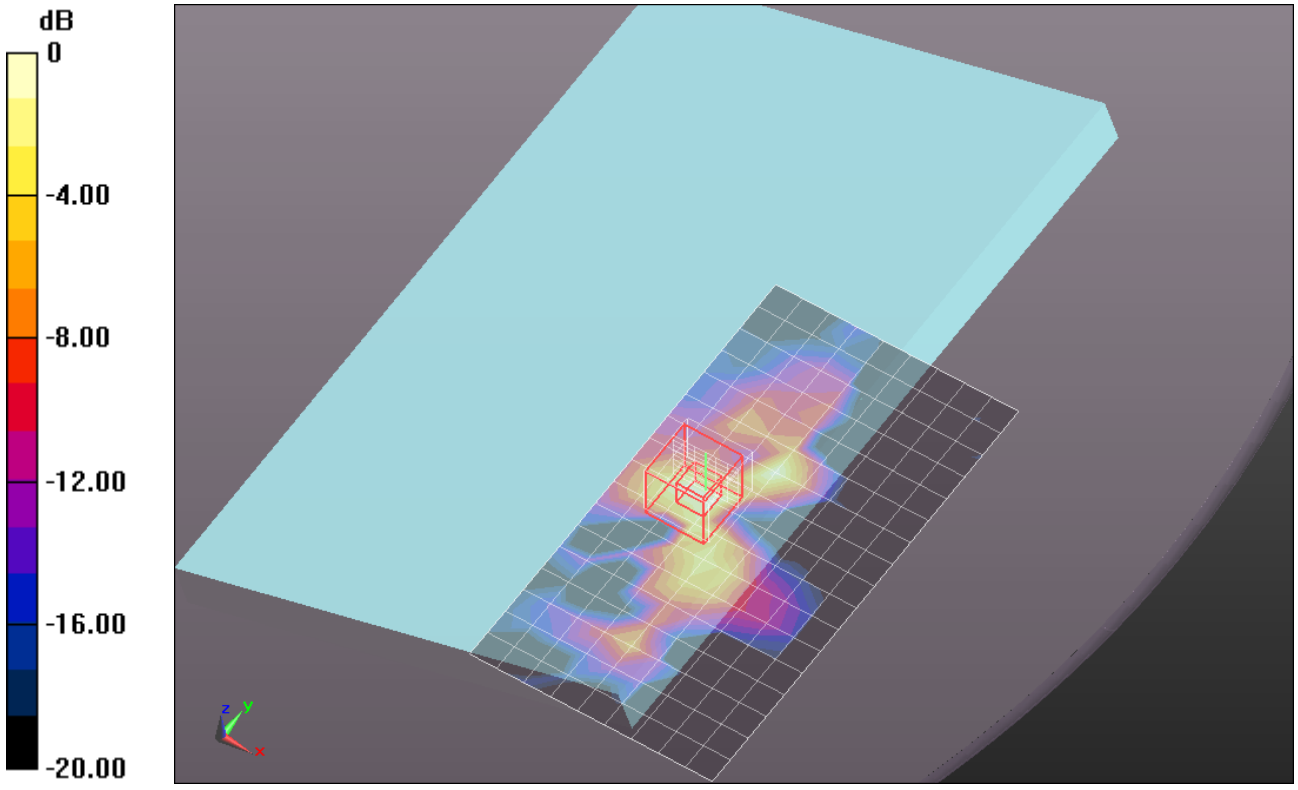
Test Laboratory: UL CCS SAR Lab B Date: 6/21/2012

WiFi 5.2 GHz band

Frequency: 5240 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5240 MHz; σ = 5.31 mho/m; ε_r = 51.159; 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 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(4.04, 4.04, 4.04); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Rear 20 deg. tilt @ Edge 3/Ch 48/Area Scan (10x18x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.294 mW/g

Rear 20 deg. tilt @ Edge 3/Ch 48/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 7.982 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.5790
SAR(1 g) = 0.177 mW/g; SAR(10 g) = 0.052 mW/g
Maximum value of SAR (measured) = 0.310 mW/g



0 dB = 0.310mW/g = -10.17 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 6/21/2012

WiFi 5.2 GHz band

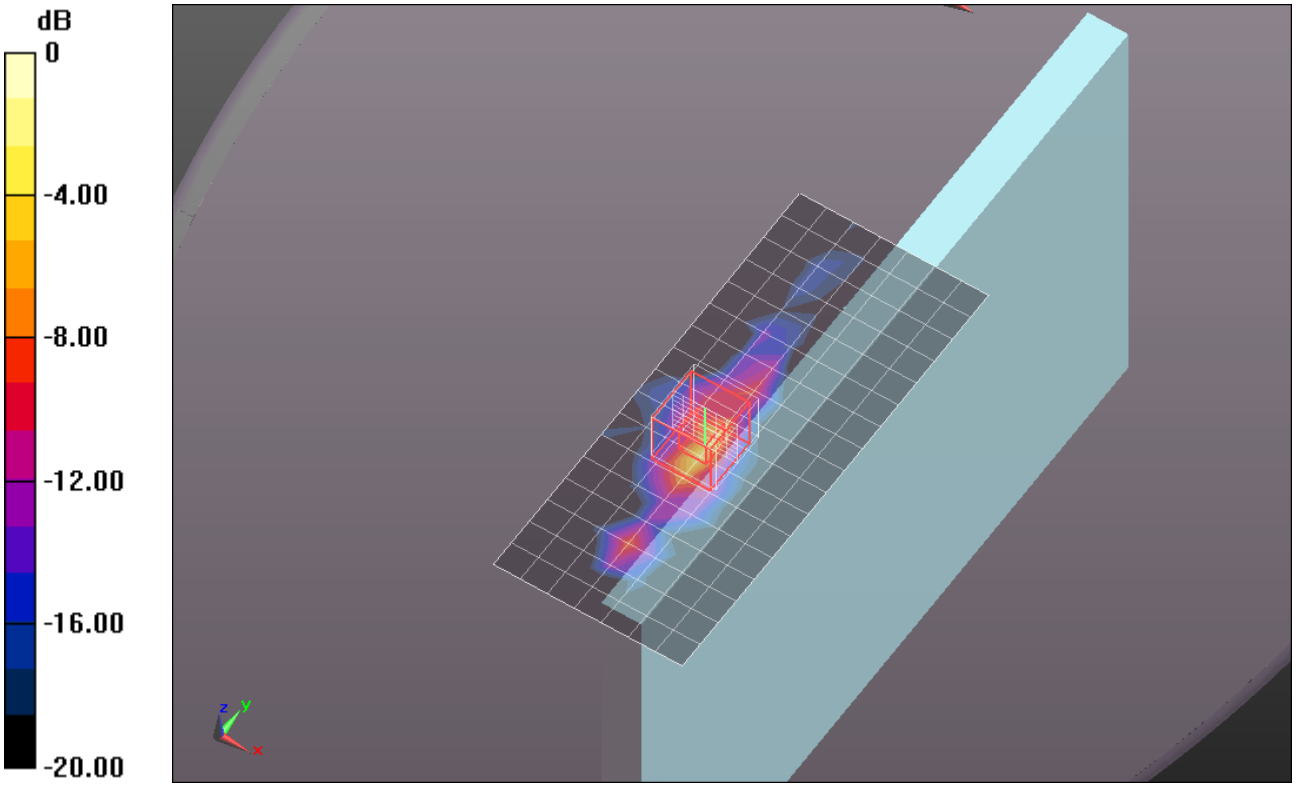
Frequency: 5180 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5180 MHz; σ = 5.231 mho/m; ε_r = 51.246; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(4.04, 4.04, 4.04); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Edge 3/Ch 36/Area Scan (8x18x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.924 mW/g

Edge 3/Ch 36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 14.364 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 3.8760
SAR(1 g) = 0.617 mW/g; SAR(10 g) = 0.124 mW/g
Maximum value of SAR (measured) = 1.532 mW/g



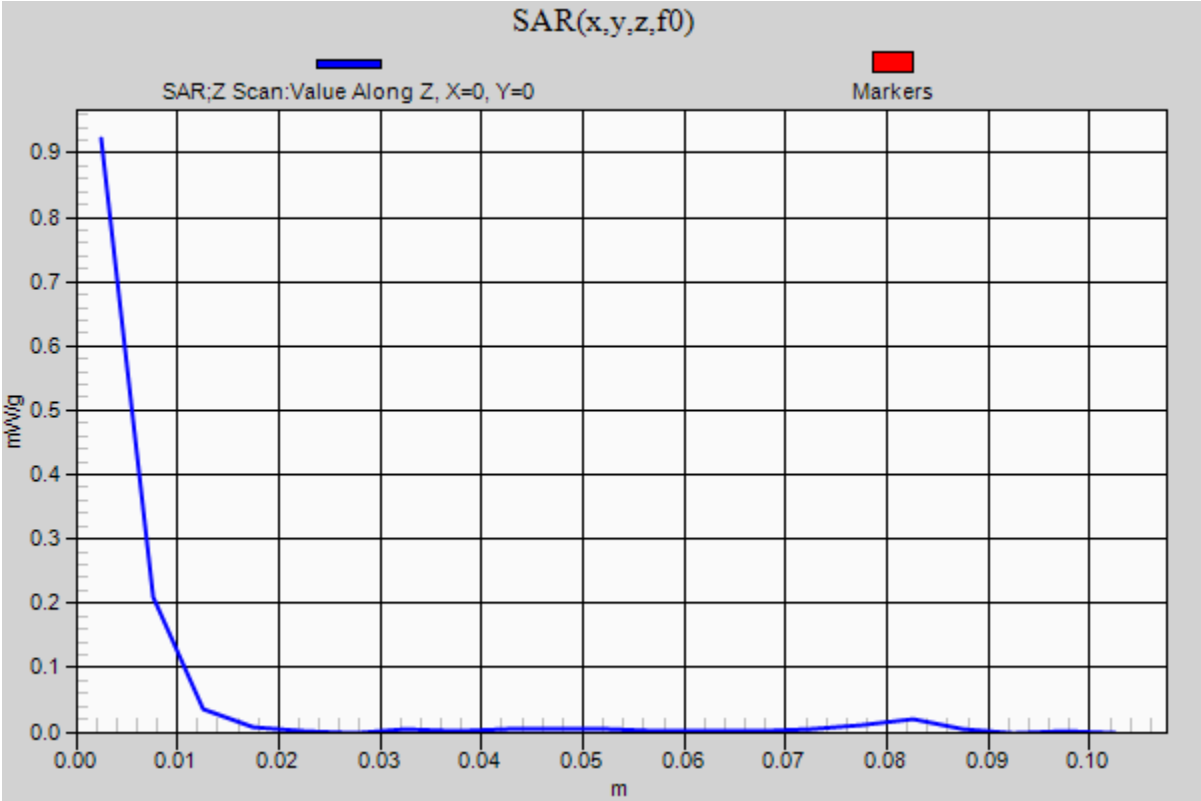
0 dB = 1.530mW/g = 3.69 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 6/21/2012

WiFi 5.2 GHz band

Frequency: 5180 MHz; Duty Cycle: 1:1

Edge 3/Ch 36/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.922 mW/g



Test Laboratory: UL CCS SAR Lab B Date: 6/21/2012

WiFi 5.2 GHz band

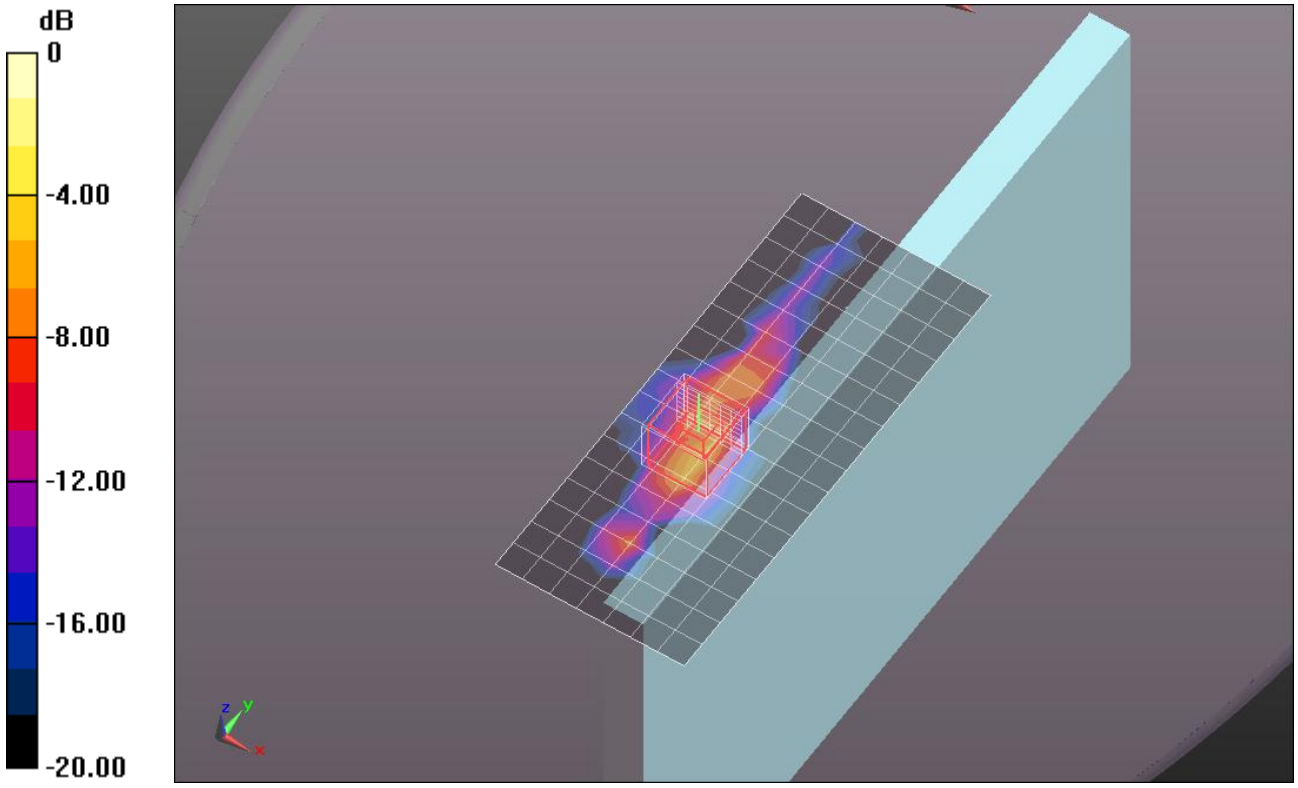
Frequency: 5240 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5240 MHz; σ = 5.31 mho/m; ε_r = 51.159; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(4.04, 4.04, 4.04); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Edge 3/Ch 48/Area Scan (8x18x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.634 mW/g

Edge 3/Ch 48/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 9.559 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 2.5620
SAR(1 g) = 0.578 mW/g; SAR(10 g) = 0.114 mW/g
Maximum value of SAR (measured) = 1.454 mW/g



0 dB = 1.450mW/g = 3.23 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 6/21/2012

WiFi 5.3 GHz band

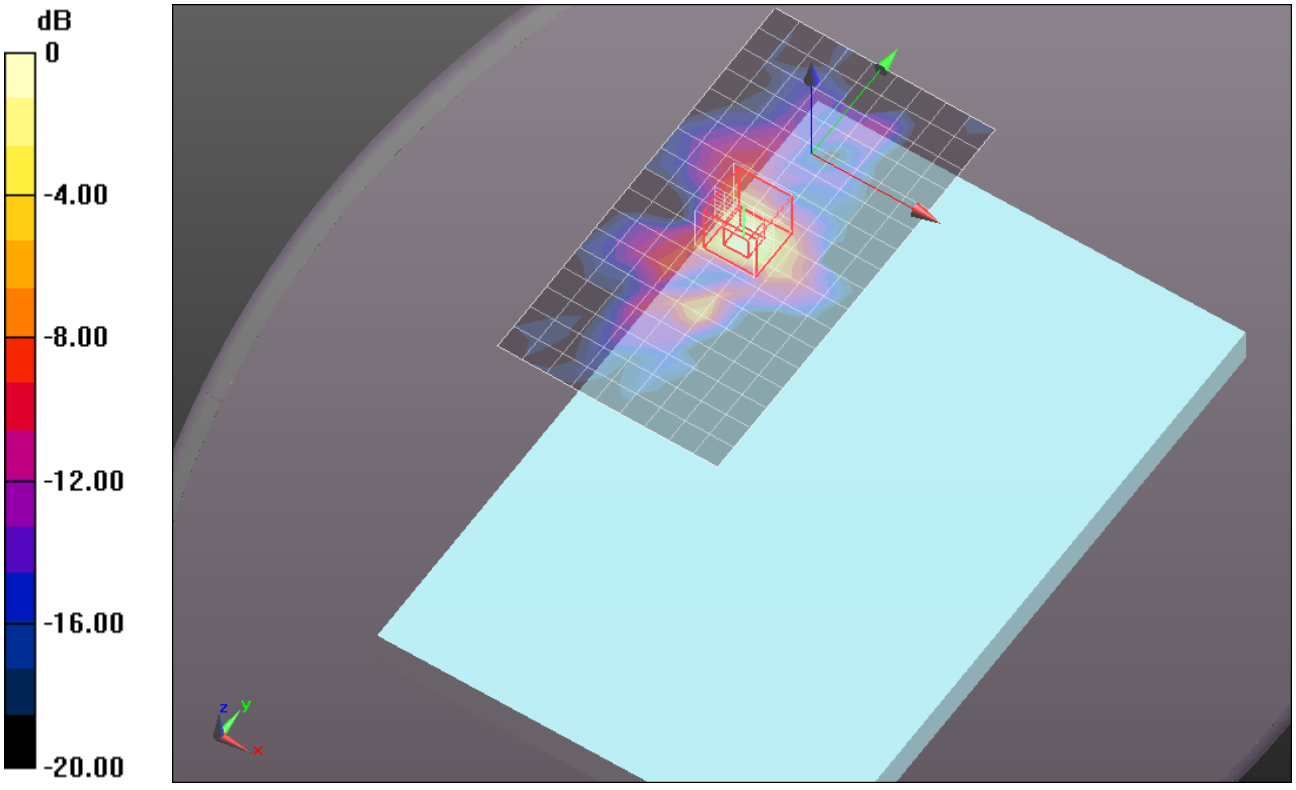
Frequency: 5260 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5260 MHz; σ = 5.334 mho/m; ε_r = 51.123; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(3.8, 3.8, 3.8); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Rear/Ch 52/Area Scan (10x18x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.402 mW/g

Rear/Ch 52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 9.378 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.2770
SAR(1 g) = 0.356 mW/g; SAR(10 g) = 0.099 mW/g
Maximum value of SAR (measured) = 0.642 mW/g



0 dB = 0.640mW/g = -3.88 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 6/21/2012

WiFi 5.3 GHz band

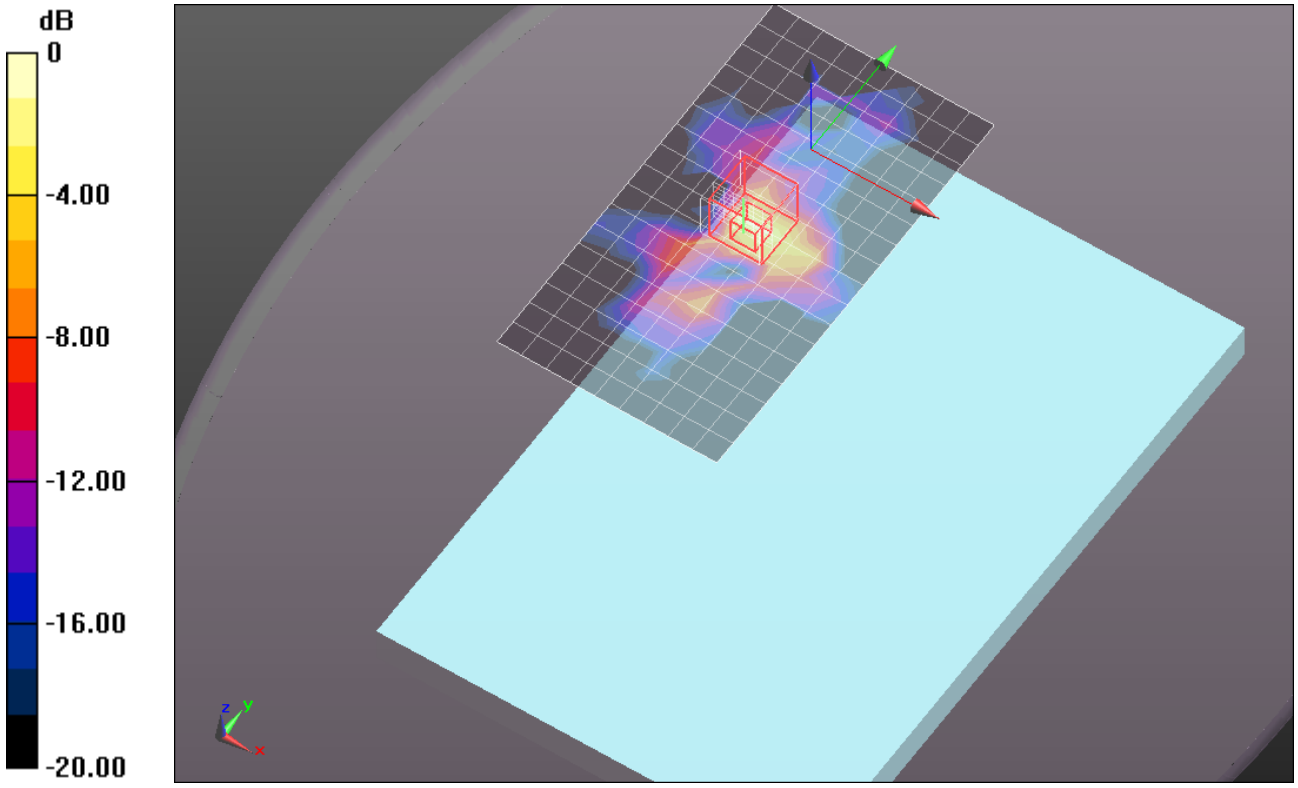
Frequency: 5320 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5320 MHz; σ = 5.419 mho/m; ε_r = 51.007; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(3.8, 3.8, 3.8); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Rear/Ch 64/Area Scan (10x18x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.317 mW/g

Rear/Ch 64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 8.787 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.9660
SAR(1 g) = 0.279 mW/g; SAR(10 g) = 0.076 mW/g
Maximum value of SAR (measured) = 0.505 mW/g



0 dB = 0.510mW/g = -5.85 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 6/21/2012

WiFi 5.3 GHz band

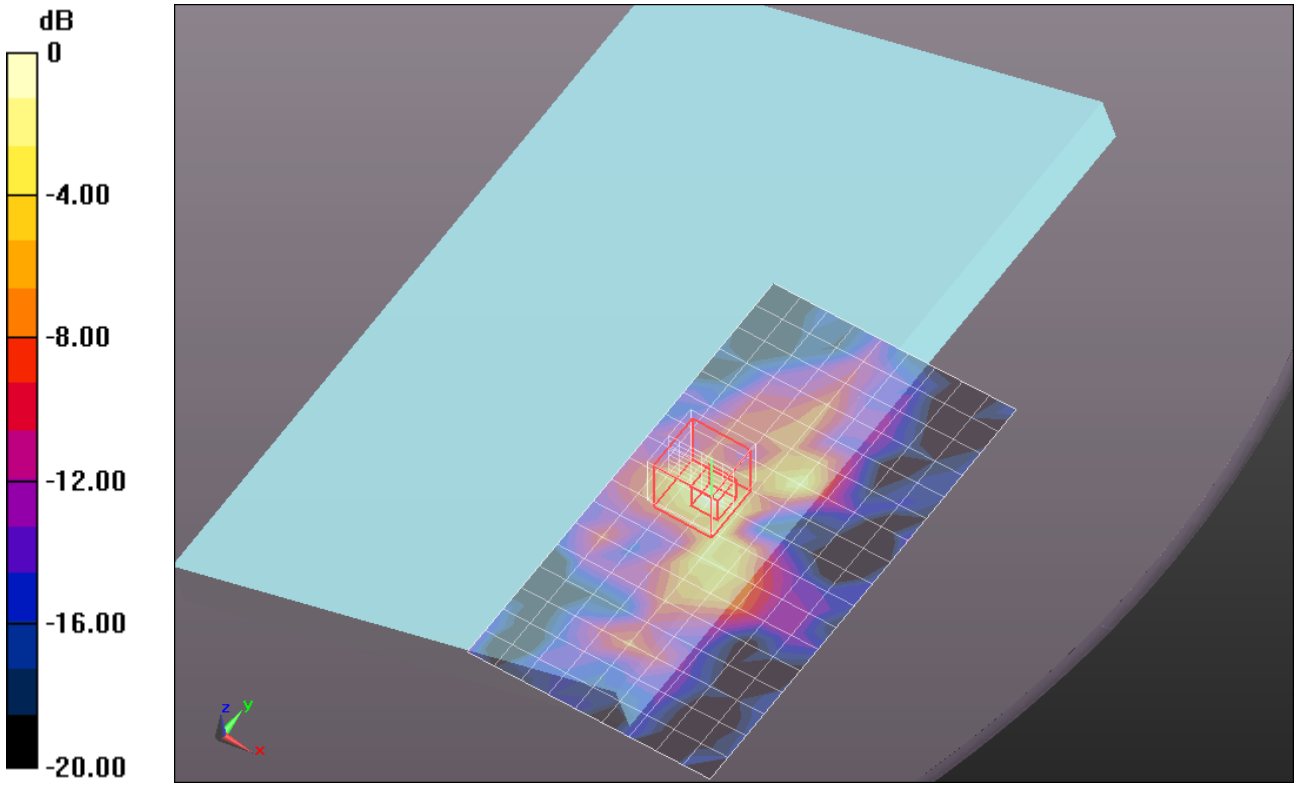
Frequency: 5260 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5260 MHz; σ = 5.334 mho/m; ε_r = 51.123; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(3.8, 3.8, 3.8); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Rear 20 deg. tilt @ Edge 3/Ch 52/Area Scan (10x18x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.256 mW/g

Rear 20 deg. tilt @ Edge 3/Ch 52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 8.040 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.5460
SAR(1 g) = 0.169 mW/g; SAR(10 g) = 0.048 mW/g
Maximum value of SAR (measured) = 0.304 mW/g



0 dB = 0.300mW/g = -10.46 dB mW/g

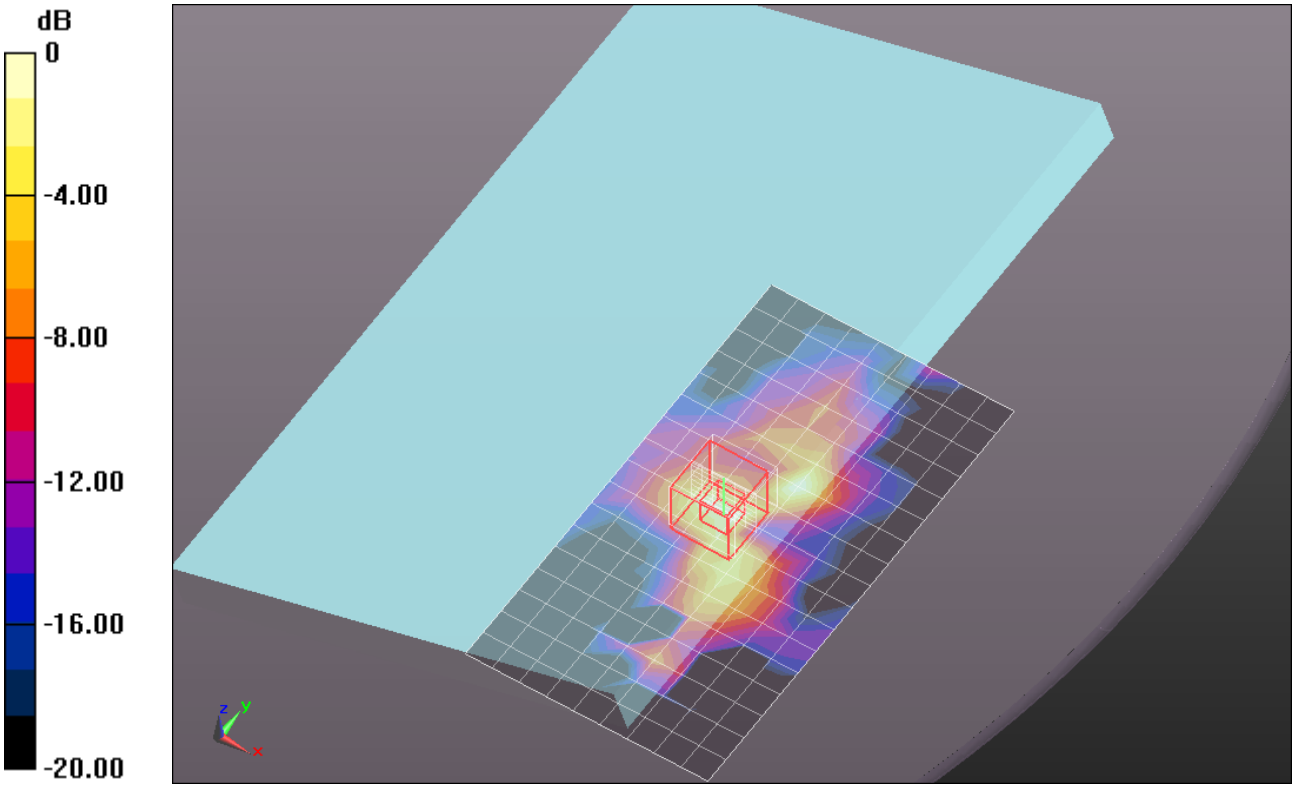
Test Laboratory: UL CCS SAR Lab B Date: 6/21/2012

WiFi 5.3 GHz band

Frequency: 5320 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5320 MHz; σ = 5.419 mho/m; ε_r = 51.007; 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 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(3.8, 3.8, 3.8); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Rear 20 deg. tilt @ Edge 3/Ch 64/Area Scan (10x18x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.311 mW/g

Rear 20 deg. tilt @ Edge 3/Ch 64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 8.150 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.5110
SAR(1 g) = 0.157 mW/g; SAR(10 g) = 0.046 mW/g
Maximum value of SAR (measured) = 0.275 mW/g



0 dB = 0.270mW/g = -11.37 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 6/21/2012

WiFi 5.3 GHz band

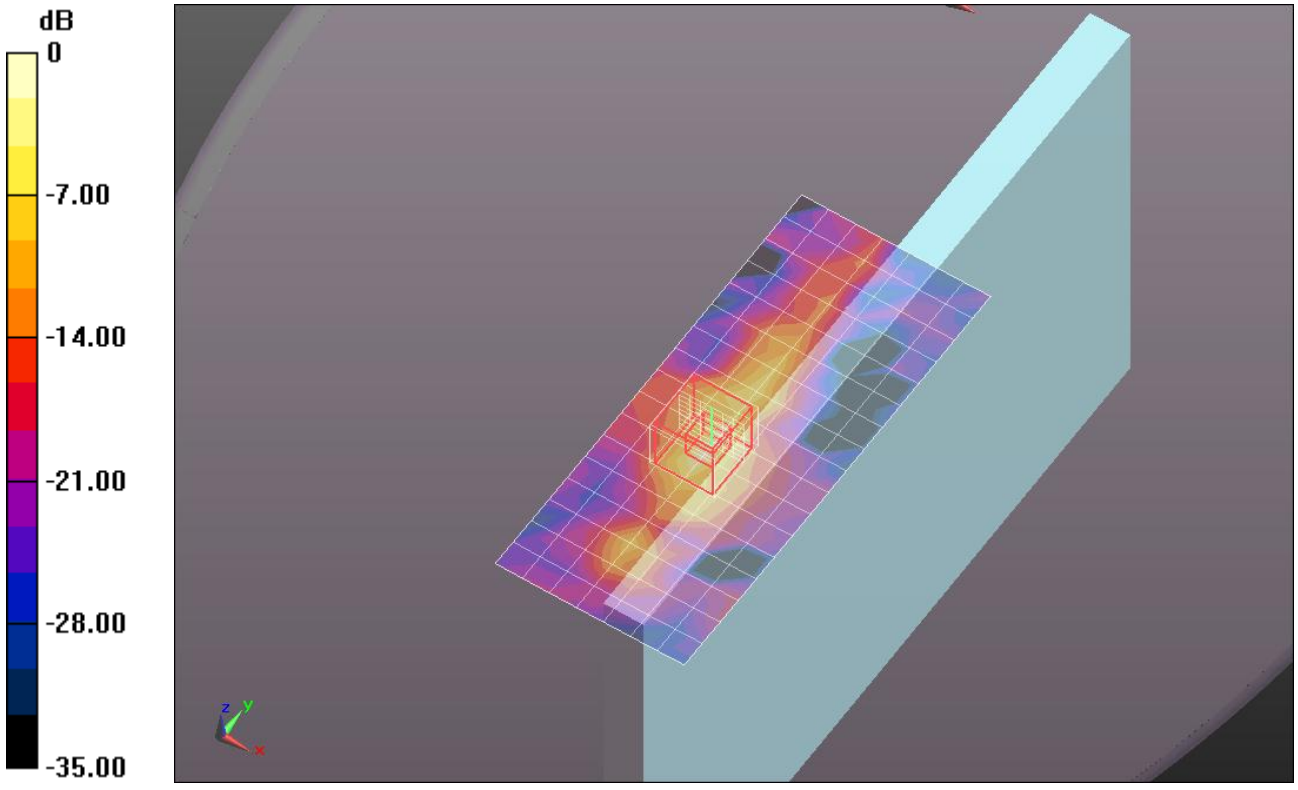
Frequency: 5260 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5260 MHz; σ = 5.334 mho/m; ε_r = 51.123; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(3.8, 3.8, 3.8); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Edge 3/Ch 52/Area Scan (8x18x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.730 mW/g

Edge 3/Ch 52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 12.770 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 2.1230
SAR(1 g) = 0.368 mW/g; SAR(10 g) = 0.081 mW/g
Maximum value of SAR (measured) = 0.981 mW/g



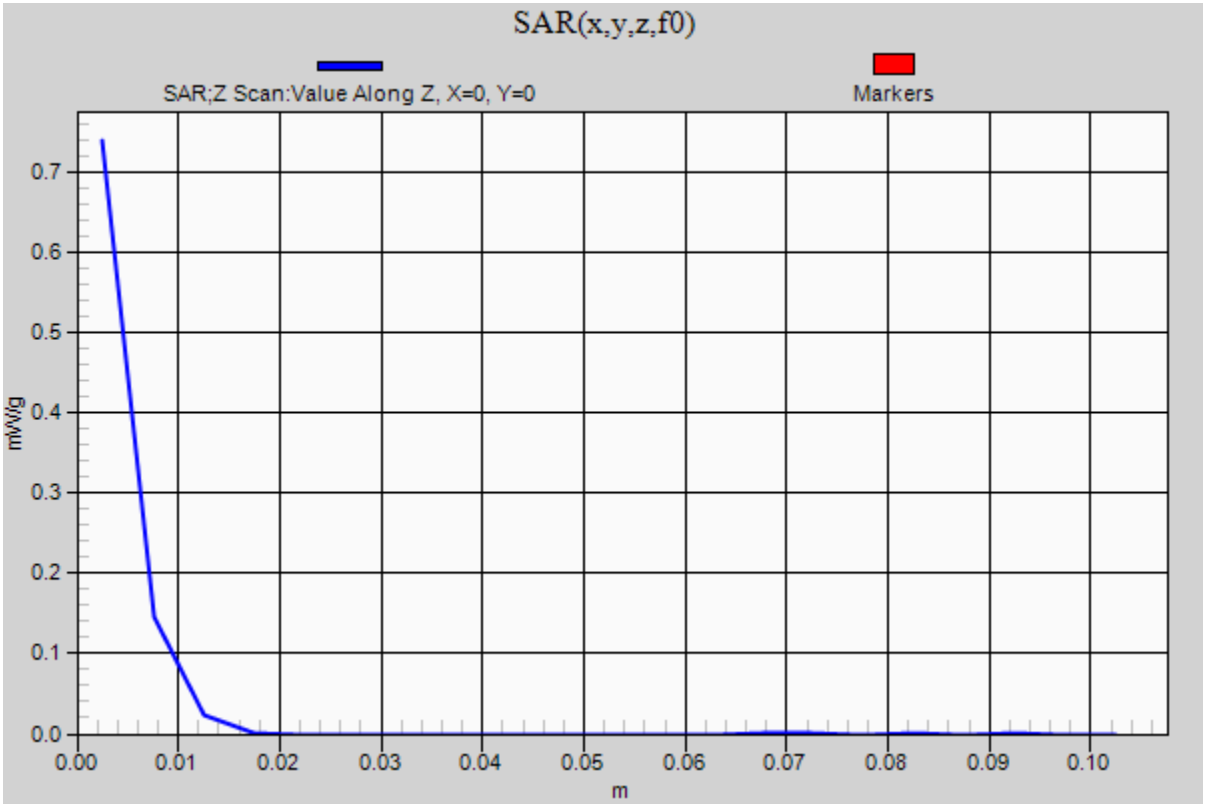
0 dB = 0.980mW/g = -0.18 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 6/21/2012

WiFi 5.3 GHz band

Frequency: 5260 MHz; Duty Cycle: 1:1

Edge 3/Ch 52/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.739 mW/g



Test Laboratory: UL CCS SAR Lab B Date: 6/21/2012

WiFi 5.3 GHz band

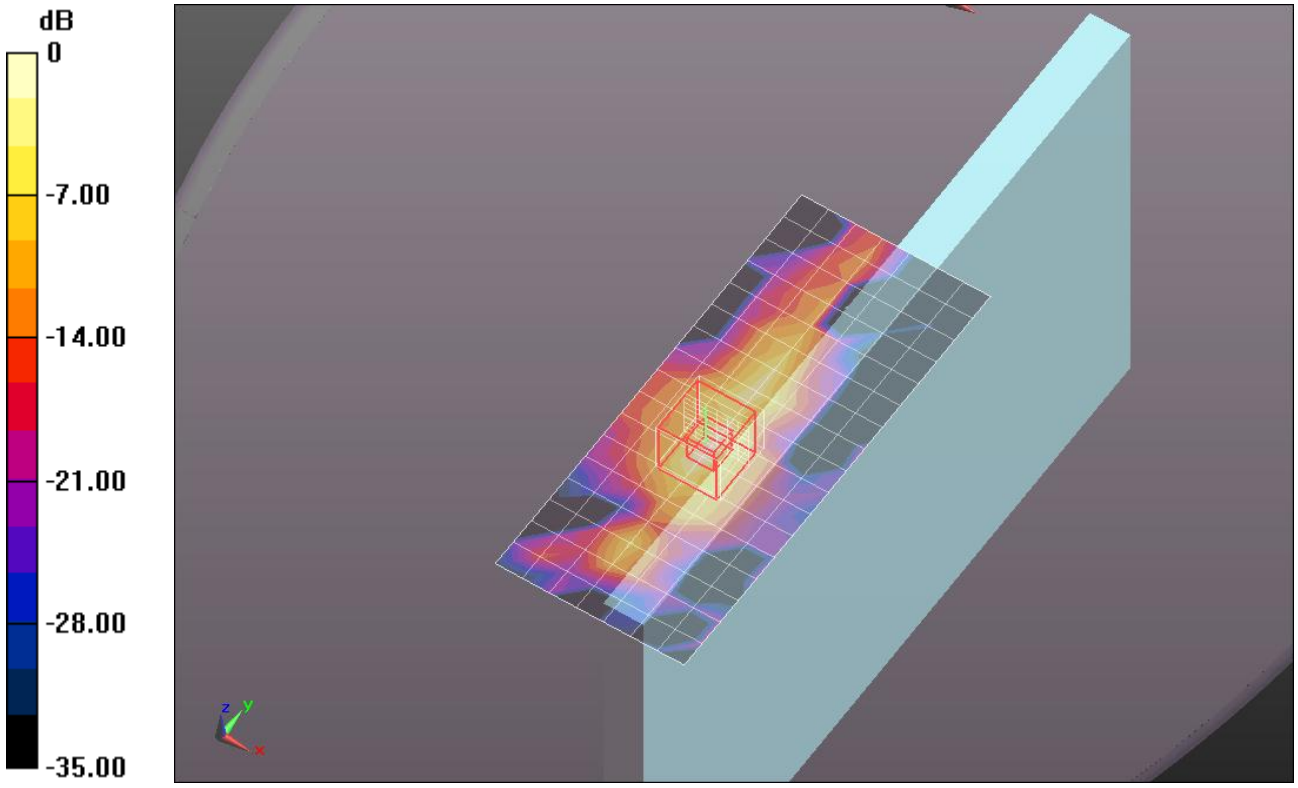
Frequency: 5320 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5320 MHz; σ = 5.419 mho/m; ε_r = 51.007; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(3.8, 3.8, 3.8); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Edge 3/Ch 64/Area Scan (8x18x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.736 mW/g

Edge 3/Ch 64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 12.632 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 2.1360
SAR(1 g) = 0.364 mW/g; SAR(10 g) = 0.078 mW/g
Maximum value of SAR (measured) = 0.753 mW/g



0 dB = 0.750mW/g = -2.50 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 6/20/2012

WiFi 5.5 GHz band

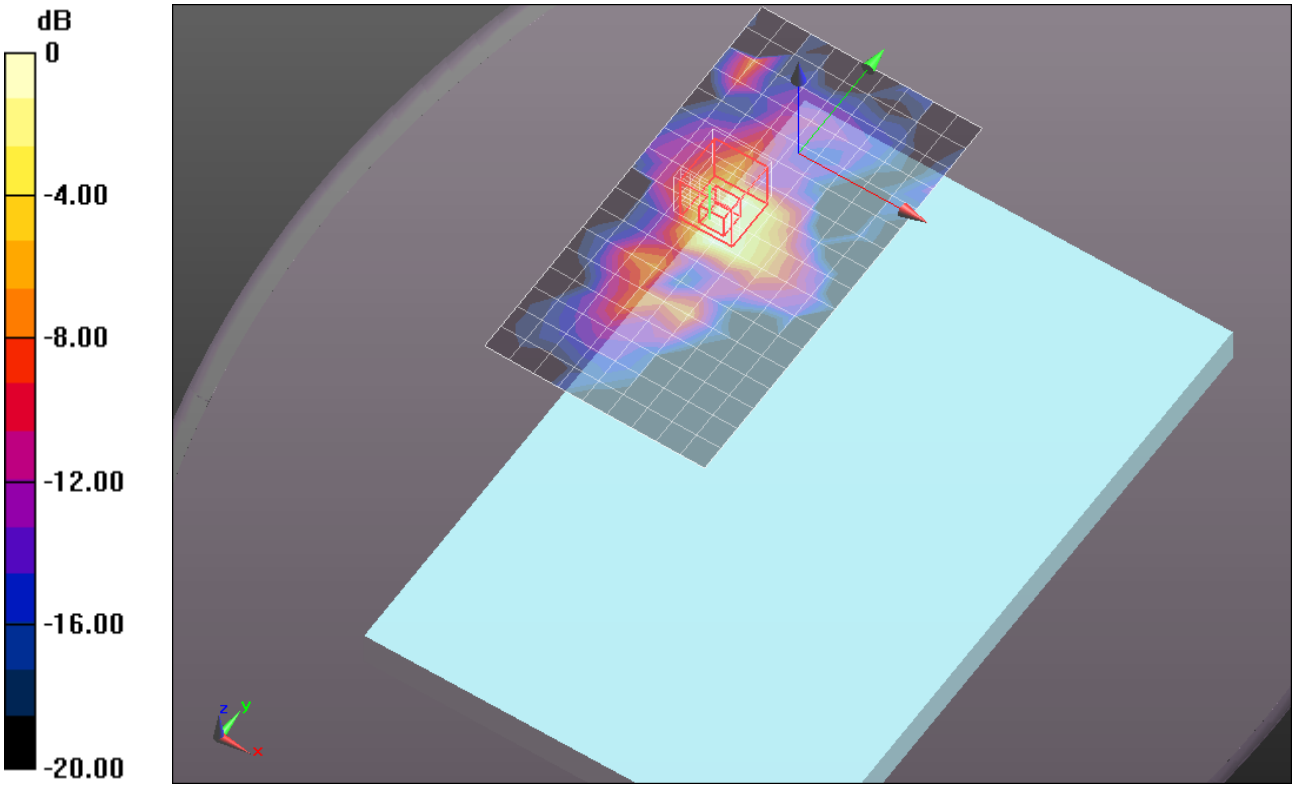
Frequency: 5520 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5520 MHz; σ = 5.654 mho/m; ε_r = 50.946; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(3.62, 3.62, 3.62); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Rear/Ch 104/Area Scan (10x18x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.613 mW/g

Rear/Ch 104/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 11.346 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 5.6340
SAR(1 g) = 0.584 mW/g; SAR(10 g) = 0.167 mW/g
Maximum value of SAR (measured) = 0.679 mW/g



0 dB = 0.680mW/g = -3.35 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 6/20/2012

WiFi 5.5 GHz band

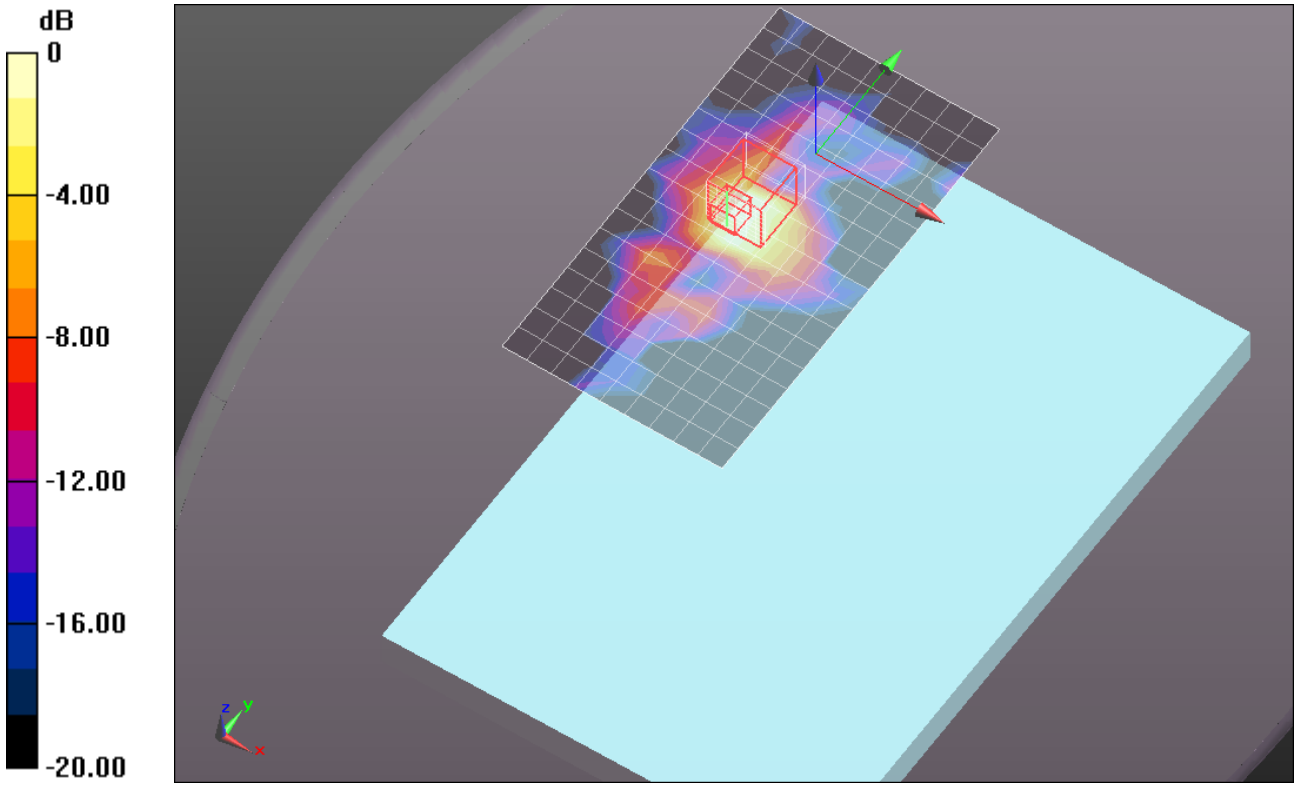
Frequency: 5580 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5580 MHz; σ = 5.777 mho/m; ε_r = 50.749; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(3.44, 3.44, 3.44); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Rear/Ch 116/Area Scan (10x18x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.607 mW/g

Rear/Ch 116/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 10.899 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 1.6790
SAR(1 g) = 0.297 mW/g; SAR(10 g) = 0.119 mW/g
Maximum value of SAR (measured) = 0.634 mW/g



0 dB = 0.630mW/g = -4.01 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 6/20/2012

WiFi 5.5 GHz band

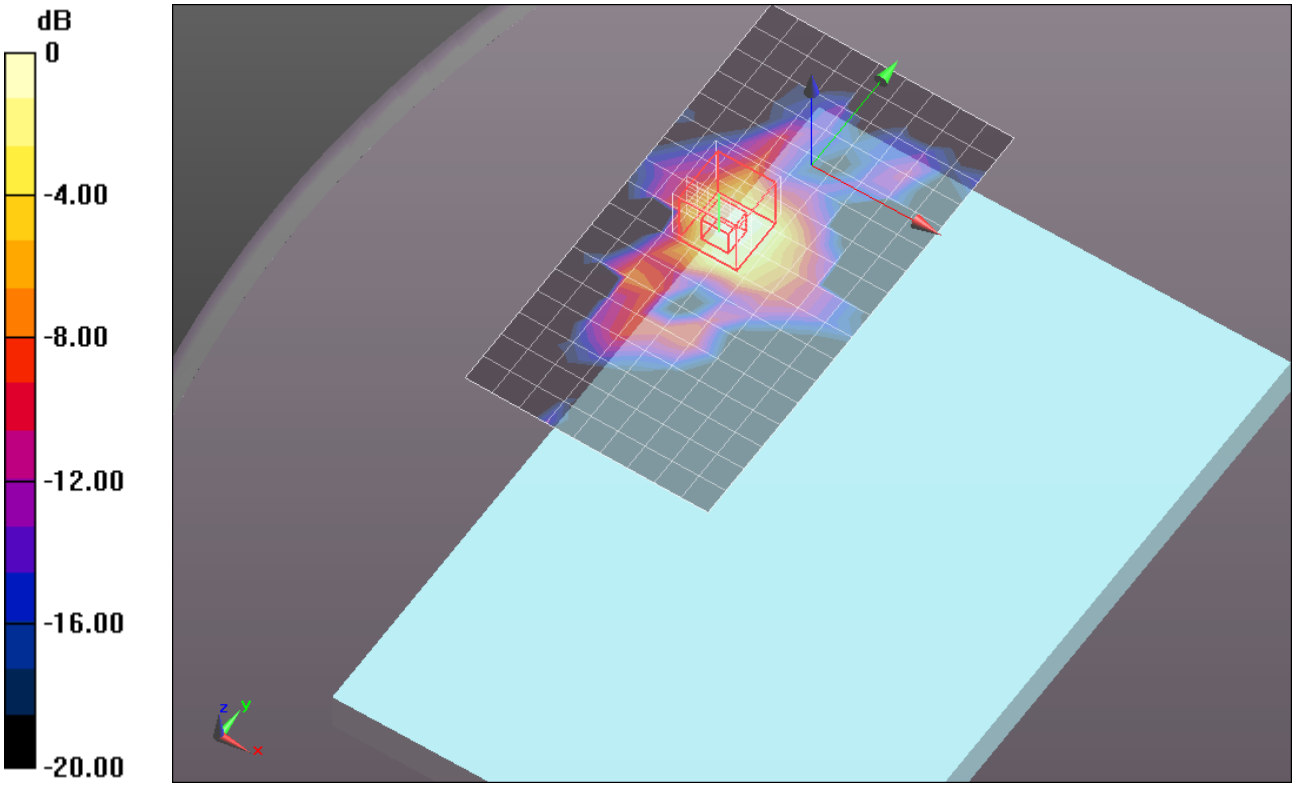
Frequency: 5620 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5620 MHz; σ = 5.816 mho/m; ε_r = 50.797; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(3.44, 3.44, 3.44); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Rear/Ch 124/Area Scan (10x18x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.552 mW/g

Rear/Ch 124/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 10.203 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 1.5570
SAR(1 g) = 0.349 mW/g; SAR(10 g) = 0.130 mW/g
Maximum value of SAR (measured) = 0.593 mW/g



0 dB = 0.590mW/g = -4.58 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 6/20/2012

WiFi 5.5 GHz band

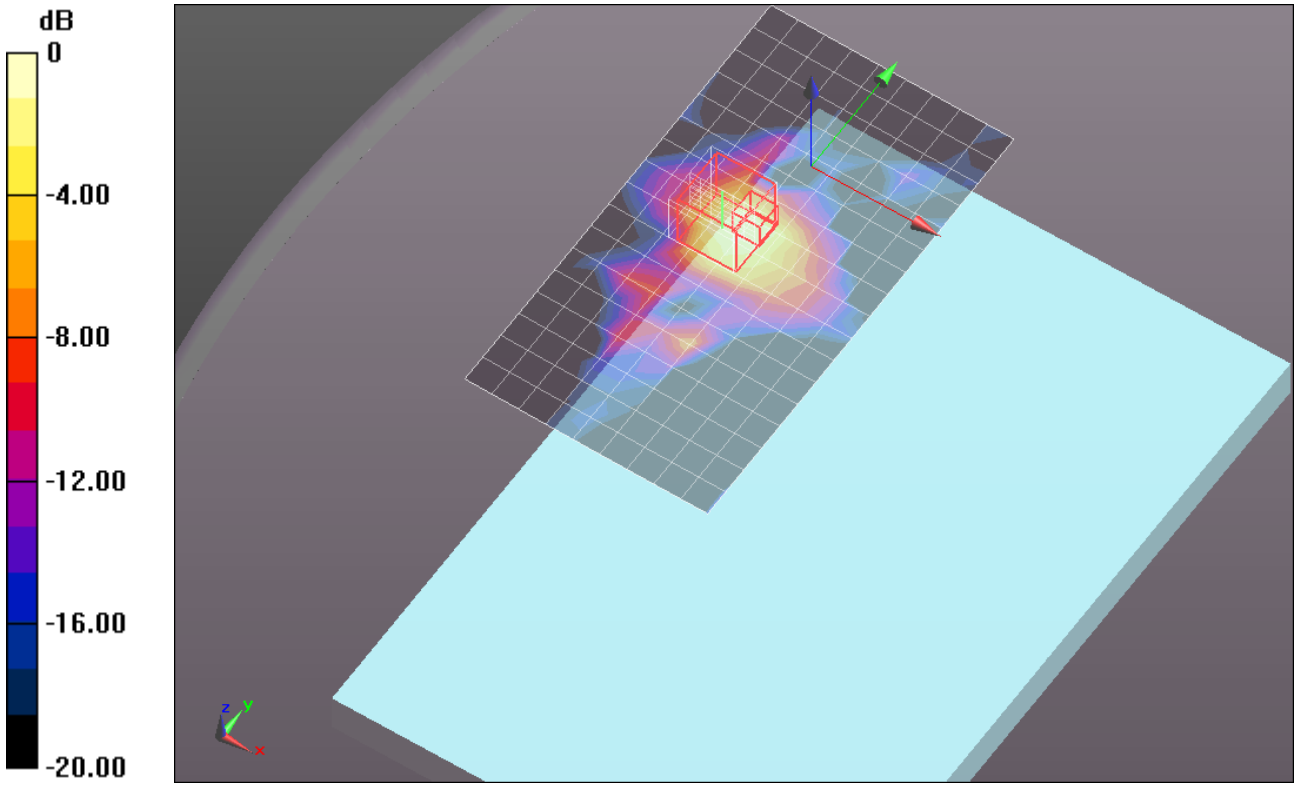
Frequency: 5680 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5680 MHz; σ = 5.893 mho/m; ε_r = 50.581; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(3.44, 3.44, 3.44); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Rear/Ch 136/Area Scan (10x18x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.355 mW/g

Rear/Ch 136/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 9.022 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 2.3400
SAR(1 g) = 0.244 mW/g; SAR(10 g) = 0.087 mW/g
Maximum value of SAR (measured) = 0.464 mW/g



0 dB = 0.460mW/g = -6.74 dB mW/g

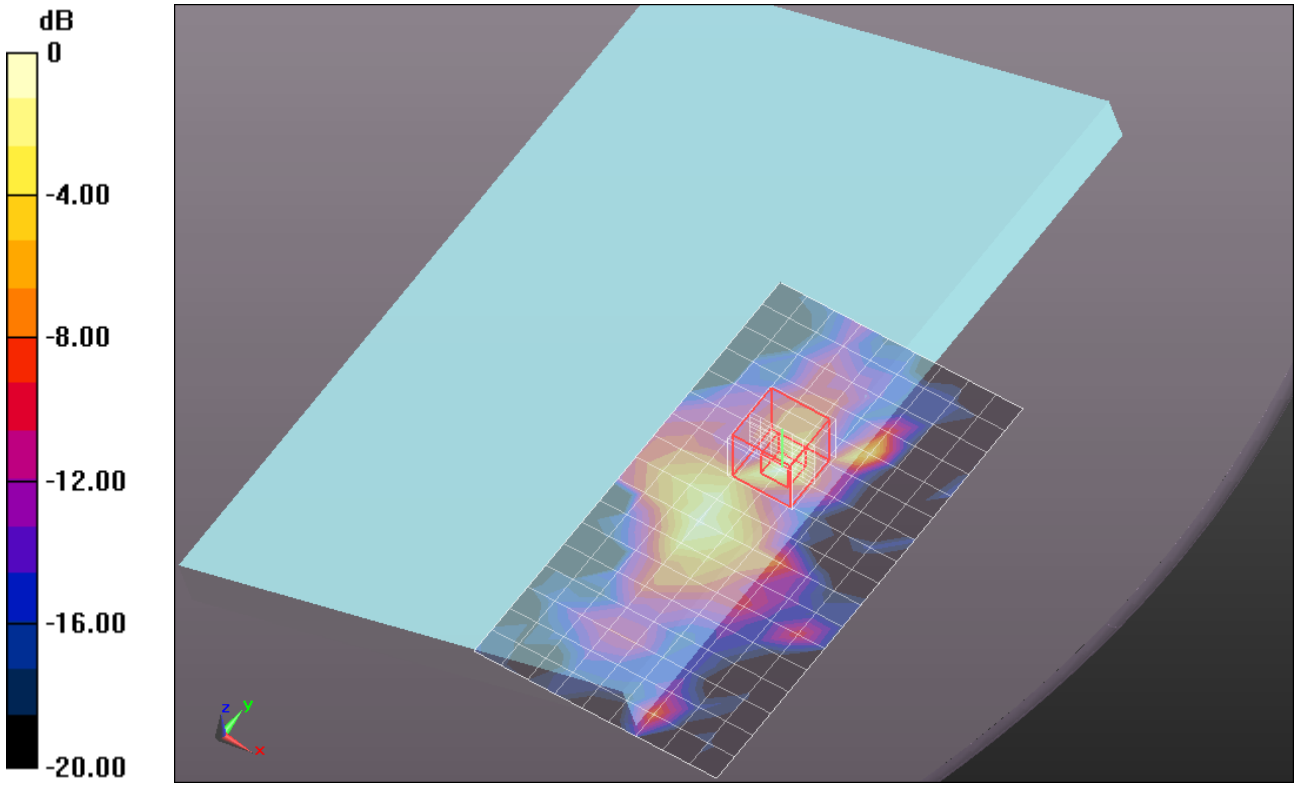
Test Laboratory: UL CCS SAR Lab B Date: 6/20/2012

WiFi 5.5 GHz band

Frequency: 5520 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5520 MHz; σ = 5.654 mho/m; ε_r = 50.946; 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 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(3.62, 3.62, 3.62); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Rear 20 deg. tilt @ Edge 3/Ch 104/Area Scan (10x18x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.501 mW/g

Rear 20 deg. tilt @ Edge 3/Ch 104/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 9.841 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.8910
SAR(1 g) = 0.211 mW/g; SAR(10 g) = 0.047 mW/g
Maximum value of SAR (measured) = 0.504 mW/g



0 dB = 0.500mW/g = -6.02 dB mW/g

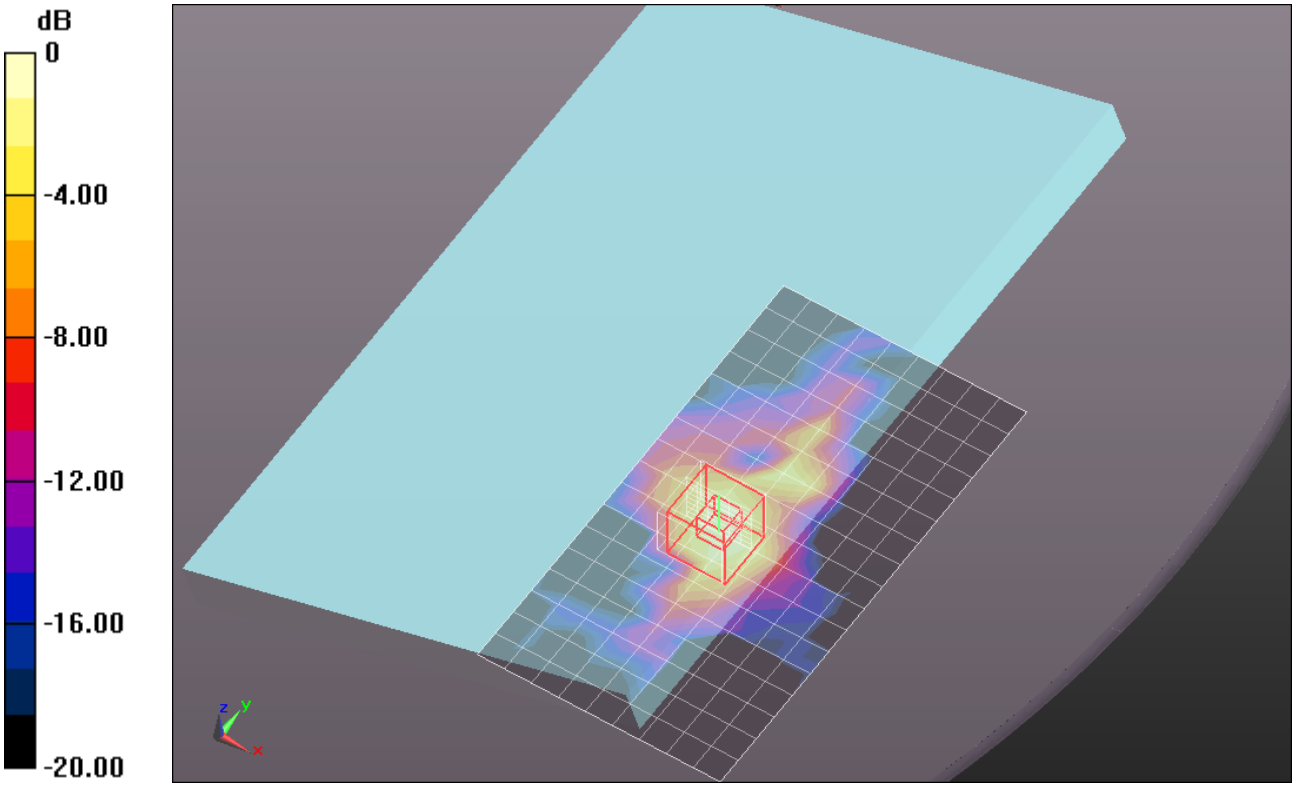
Test Laboratory: UL CCS SAR Lab B Date: 6/20/2012

WiFi 5.5 GHz band

Frequency: 5580 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5580 MHz; σ = 5.777 mho/m; ε_r = 50.749; 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 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(3.44, 3.44, 3.44); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Rear 20 deg. tilt @ Edge 3/Ch 116/Area Scan (10x18x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.335 mW/g

Rear 20 deg. tilt @ Edge 3/Ch 116/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 8.341 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.8620
SAR(1 g) = 0.259 mW/g; SAR(10 g) = 0.080 mW/g
Maximum value of SAR (measured) = 0.452 mW/g



0 dB = 0.450mW/g = -6.94 dB mW/g

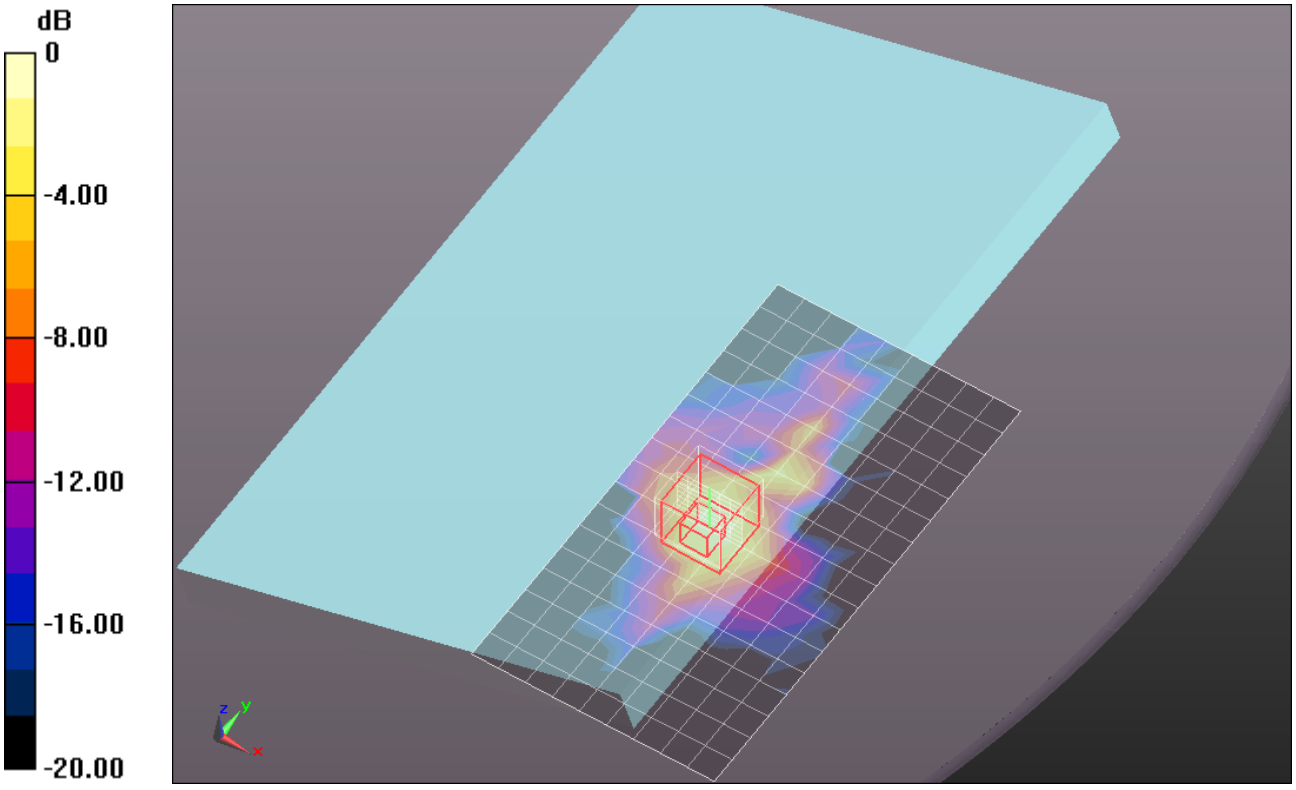
Test Laboratory: UL CCS SAR Lab B Date: 6/20/2012

WiFi 5.5 GHz band

Frequency: 5620 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5620 MHz; σ = 5.816 mho/m; ε_r = 50.797; 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 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(3.44, 3.44, 3.44); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Rear 20 deg. tilt @ Edge 3/Ch 124/Area Scan (10x18x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.302 mW/g

Rear 20 deg. tilt @ Edge 3/Ch 124/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 7.590 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 1.8490
SAR(1 g) = 0.246 mW/g; SAR(10 g) = 0.084 mW/g
Maximum value of SAR (measured) = 0.461 mW/g



0 dB = 0.460mW/g = -6.74 dB mW/g

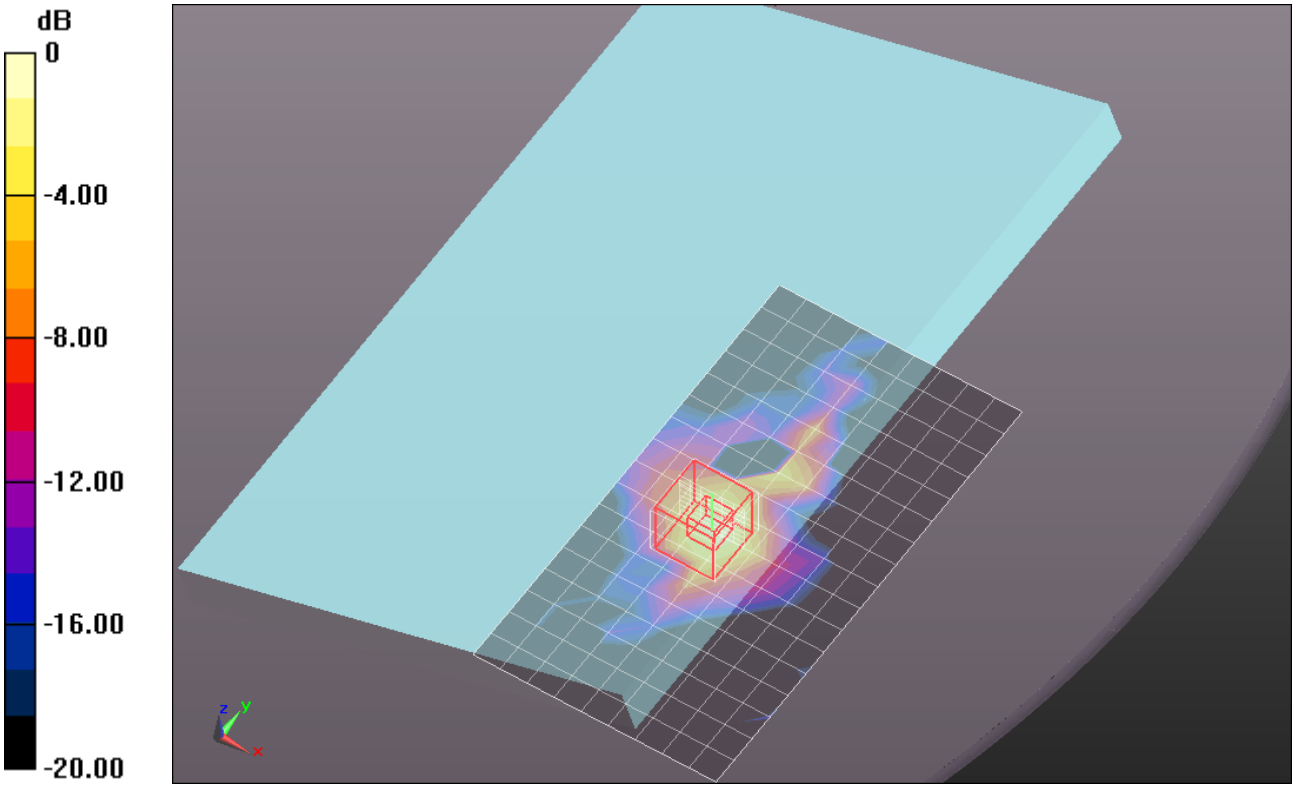
Test Laboratory: UL CCS SAR Lab B Date: 6/20/2012

WiFi 5.5 GHz band

Frequency: 5680 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5680 MHz; σ = 5.893 mho/m; ε_r = 50.581; 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 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(3.44, 3.44, 3.44); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Rear 20 deg. tilt @ Edge 3/Ch 136/Area Scan (10x18x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.306 mW/g

Rear 20 deg. tilt @ Edge 3/Ch 136/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 7.640 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 2.3060
SAR(1 g) = 0.261 mW/g; SAR(10 g) = 0.078 mW/g
Maximum value of SAR (measured) = 0.479 mW/g



0 dB = 0.480mW/g = -6.38 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 6/20/2012

WiFi 5.5 GHz band

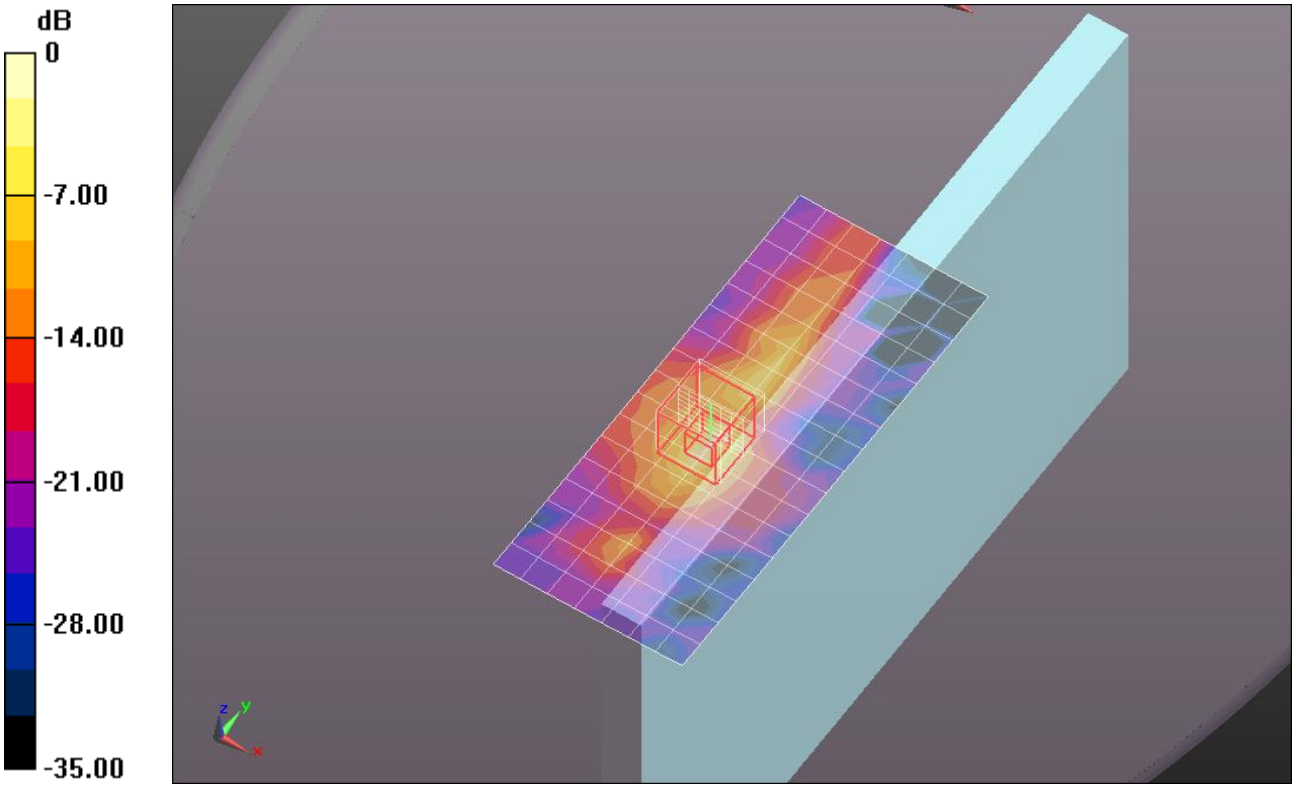
Frequency: 5520 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5520 MHz; σ = 5.654 mho/m; ε_r = 50.946; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(3.62, 3.62, 3.62); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Edge 3/Ch 104/Area Scan (8x18x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.229 mW/g

Edge 3/Ch 104/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 15.883 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 3.9190
SAR(1 g) = 0.718 mW/g; SAR(10 g) = 0.151 mW/g
Maximum value of SAR (measured) = 1.728 mW/g



0 dB = 1.730mW/g = 4.76 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 6/20/2012

WiFi 5.5 GHz band

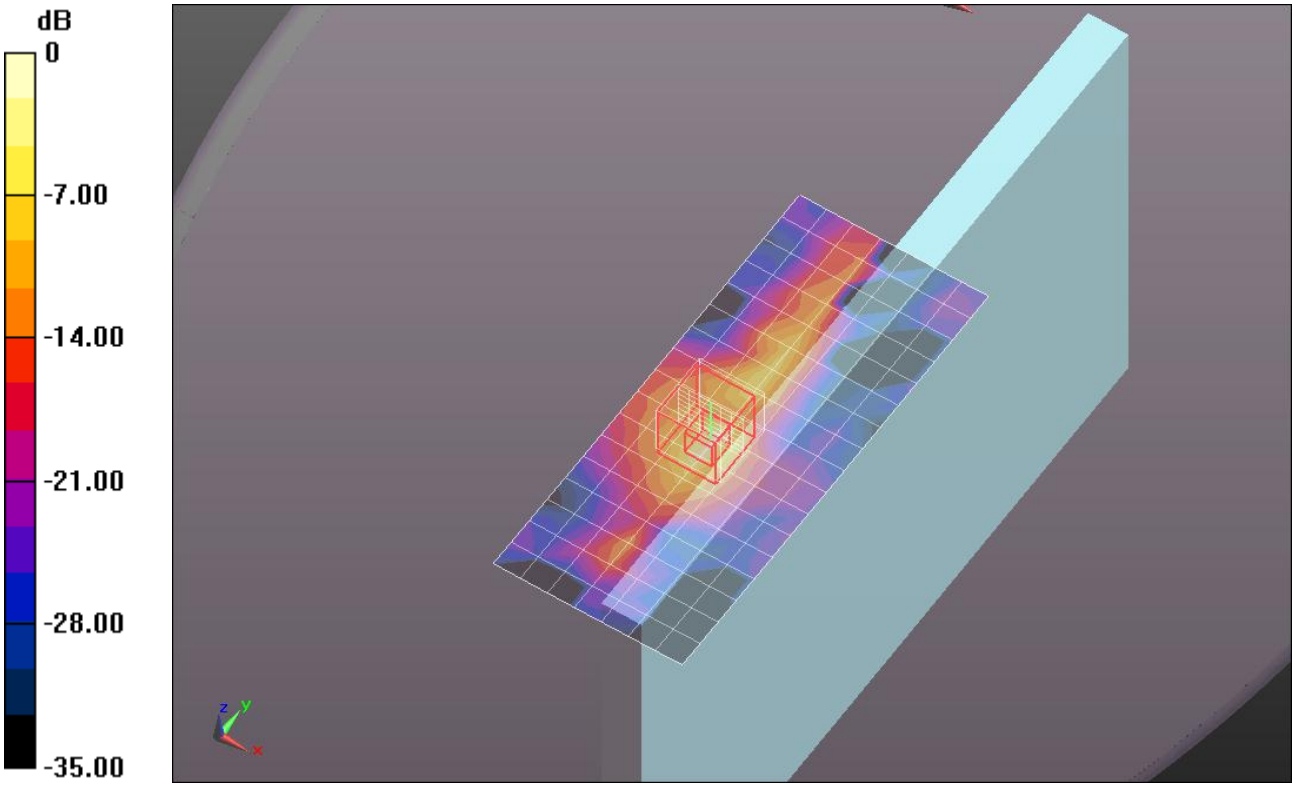
Frequency: 5580 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5580 MHz; σ = 5.777 mho/m; ε_r = 50.749; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(3.44, 3.44, 3.44); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Edge 3/Ch 116/Area Scan (8x18x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.335 mW/g

Edge 3/Ch 116/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 15.963 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 4.0170
SAR(1 g) = 0.739 mW/g; SAR(10 g) = 0.154 mW/g
Maximum value of SAR (measured) = 1.804 mW/g



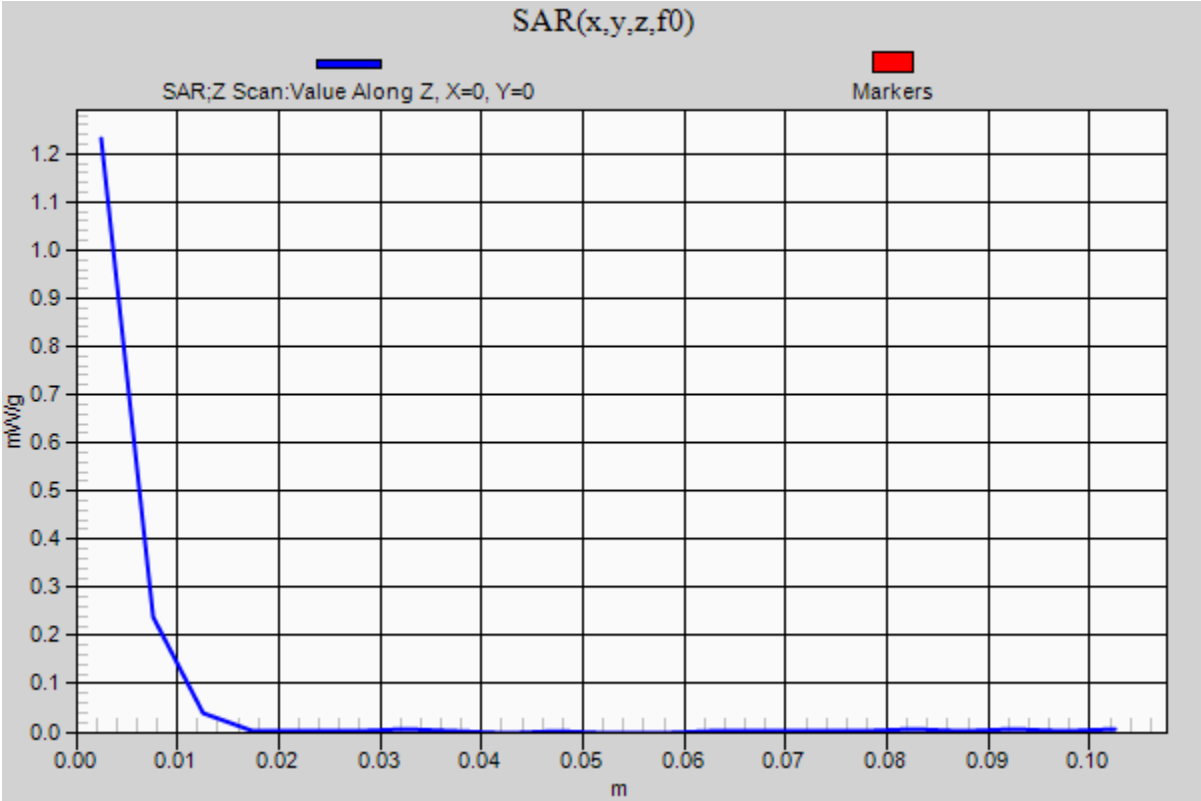
0 dB = 1.800mW/g = 5.11 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 6/20/2012

WiFi 5.5 GHz band

Frequency: 5580 MHz; Duty Cycle: 1:1

Edge 3/Ch 116/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 1.231 mW/g



Test Laboratory: UL CCS SAR Lab B Date: 6/20/2012

WiFi 5.5 GHz band

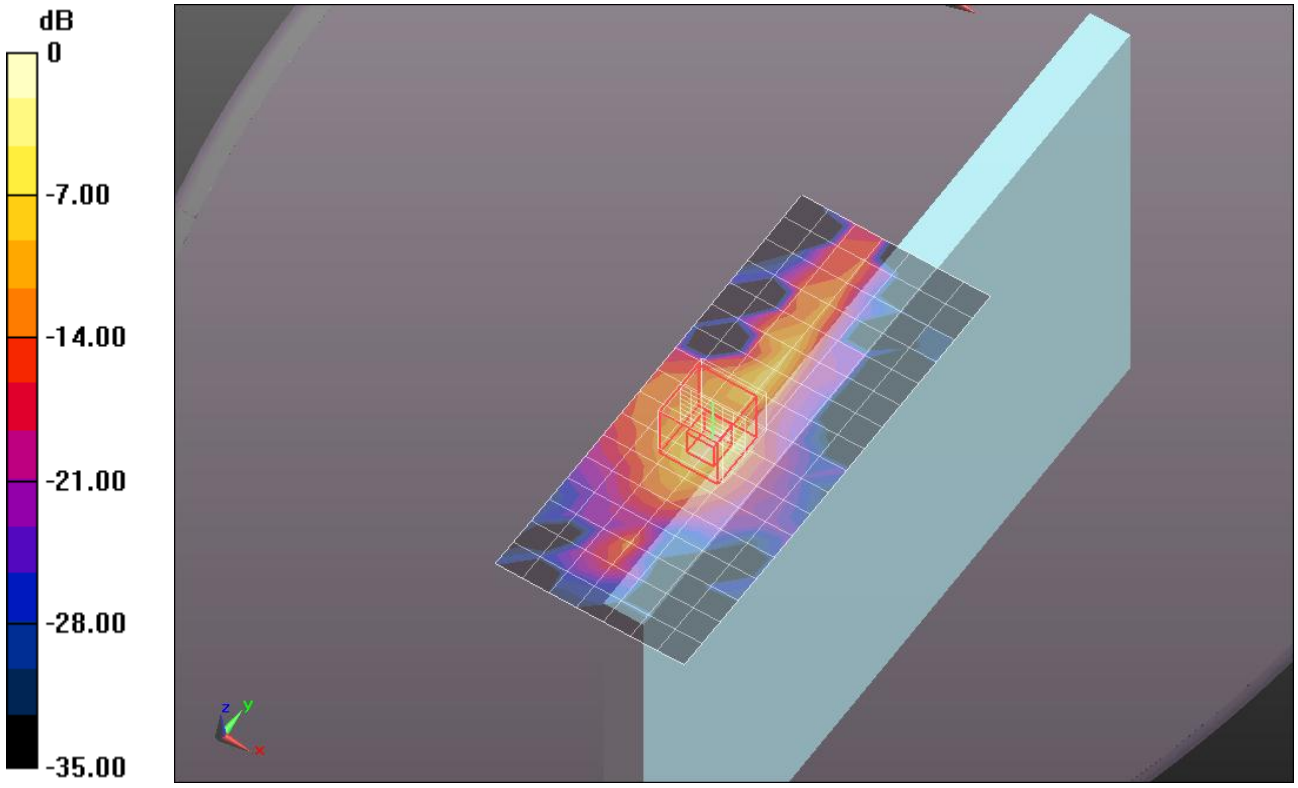
Frequency: 5620 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5620 MHz; σ = 5.816 mho/m; ε_r = 50.797; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(3.44, 3.44, 3.44); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Edge 3/Ch 124/Area Scan (8x18x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.269 mW/g

Edge 3/Ch 124/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 15.808 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 3.9270
SAR(1 g) = 0.728 mW/g; SAR(10 g) = 0.149 mW/g
Maximum value of SAR (measured) = 1.754 mW/g



0 dB = 1.750mW/g = 4.86 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 6/20/2012

WiFi 5.5 GHz band

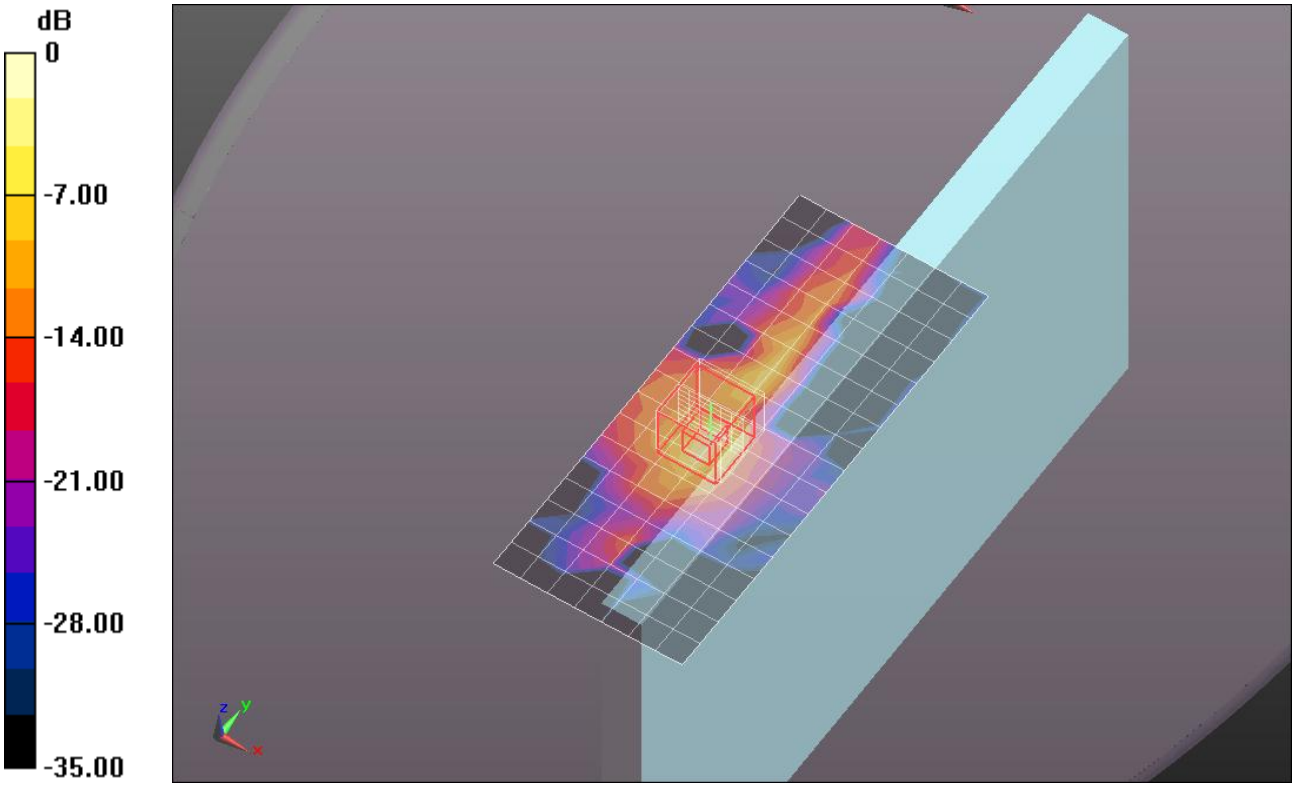
Frequency: 5680 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5680 MHz; σ = 5.893 mho/m; ε_r = 50.581; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(3.44, 3.44, 3.44); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Edge 3/Ch 136/Area Scan (8x18x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.159 mW/g

Edge 3/Ch 136/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 14.906 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 3.6140
SAR(1 g) = 0.657 mW/g; SAR(10 g) = 0.133 mW/g
Maximum value of SAR (measured) = 1.583 mW/g



0 dB = 1.580mW/g = 3.97 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 6/20/2012

WiFi 5.8 GHz band

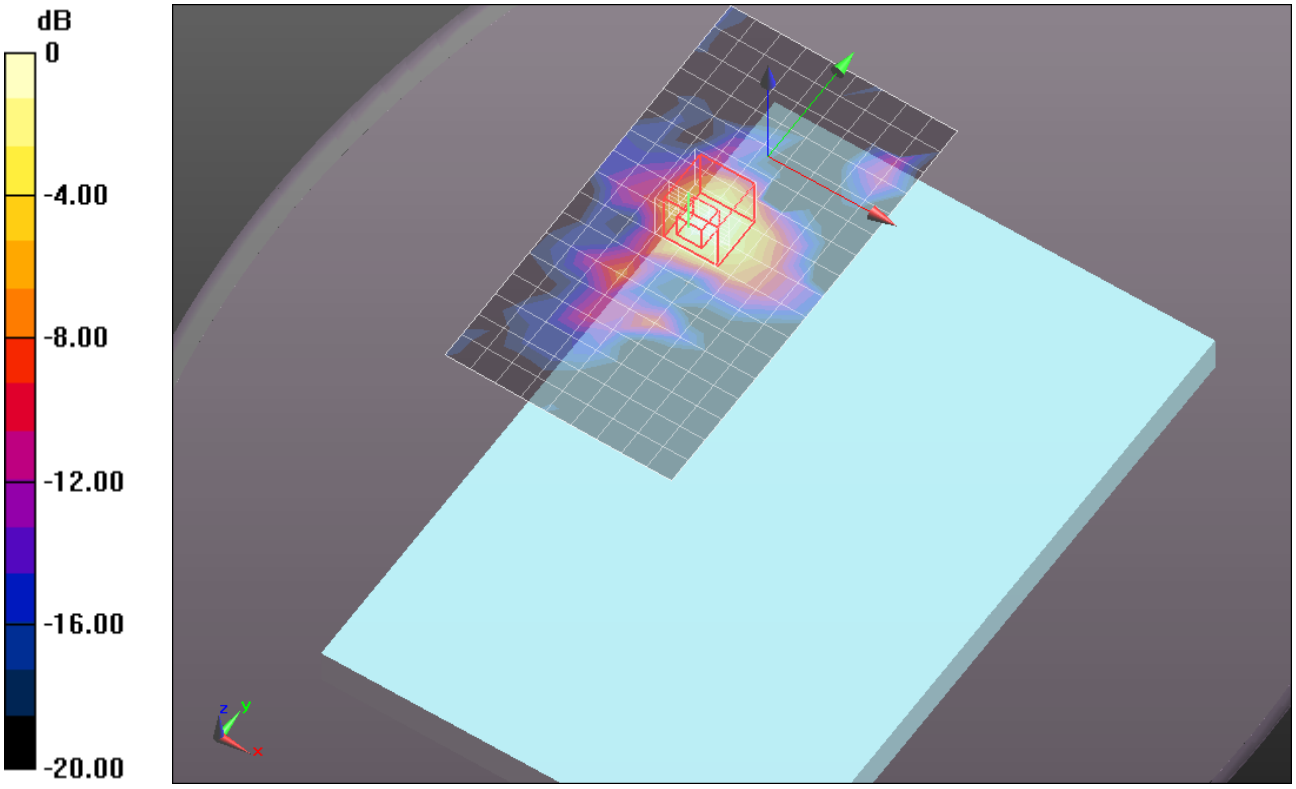
Frequency: 5745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5745 MHz; σ = 5.981 mho/m; ε_r = 50.579; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(3.57, 3.57, 3.57); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Rear/Ch 149/Area Scan (10x18x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.621 mW/g

Rear/Ch 149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 11.046 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.1650
SAR(1 g) = 0.354 mW/g; SAR(10 g) = 0.132 mW/g
Maximum value of SAR (measured) = 0.619 mW/g



0 dB = 0.620mW/g = -4.15 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 6/20/2012

WiFi 5.8 GHz band

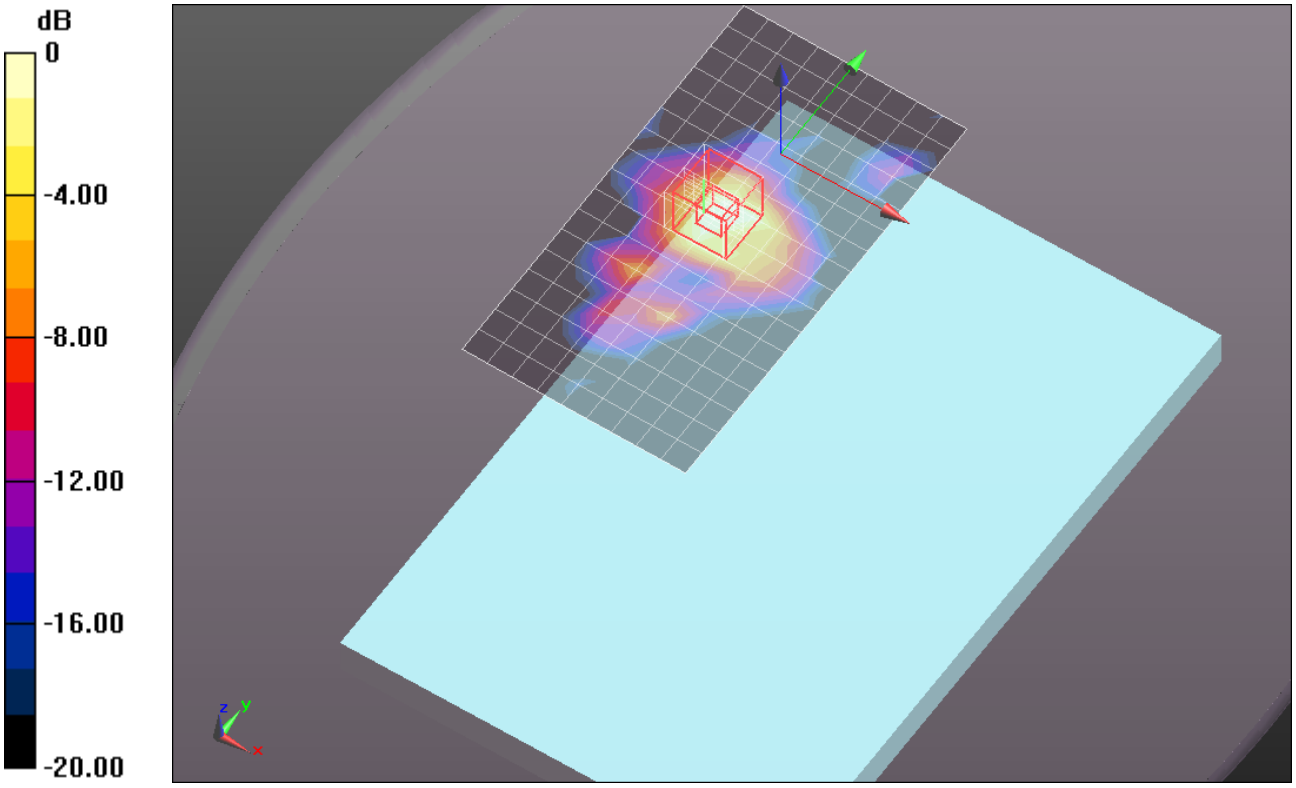
Frequency: 5785 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5785 MHz; σ = 6.022 mho/m; ε_r = 50.438; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(3.57, 3.57, 3.57); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Rear/Ch 157/Area Scan (10x18x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.682 mW/g

Rear/Ch 157/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 10.957 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 3.1690
SAR(1 g) = 0.378 mW/g; SAR(10 g) = 0.140 mW/g
Maximum value of SAR (measured) = 0.604 mW/g



0 dB = 0.600mW/g = -4.44 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 6/20/2012

WiFi 5.8 GHz band

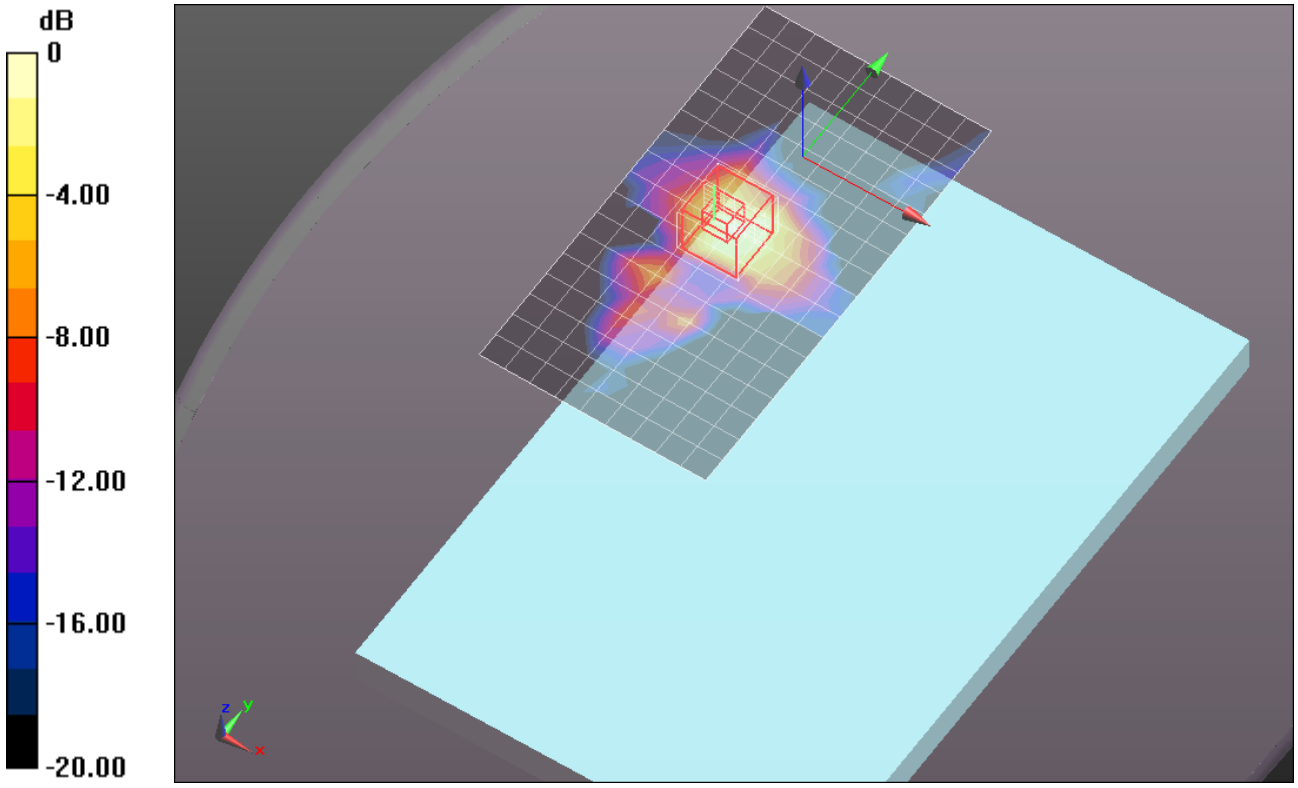
Frequency: 5825 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5825 MHz; σ = 6.137 mho/m; ε_r = 50.312; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(3.57, 3.57, 3.57); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Rear/Ch 165/Area Scan (10x18x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.539 mW/g

Rear/Ch 165/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 9.607 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.0550
SAR(1 g) = 0.279 mW/g; SAR(10 g) = 0.095 mW/g
Maximum value of SAR (measured) = 0.633 mW/g



0 dB = 0.630mW/g = -4.01 dB mW/g

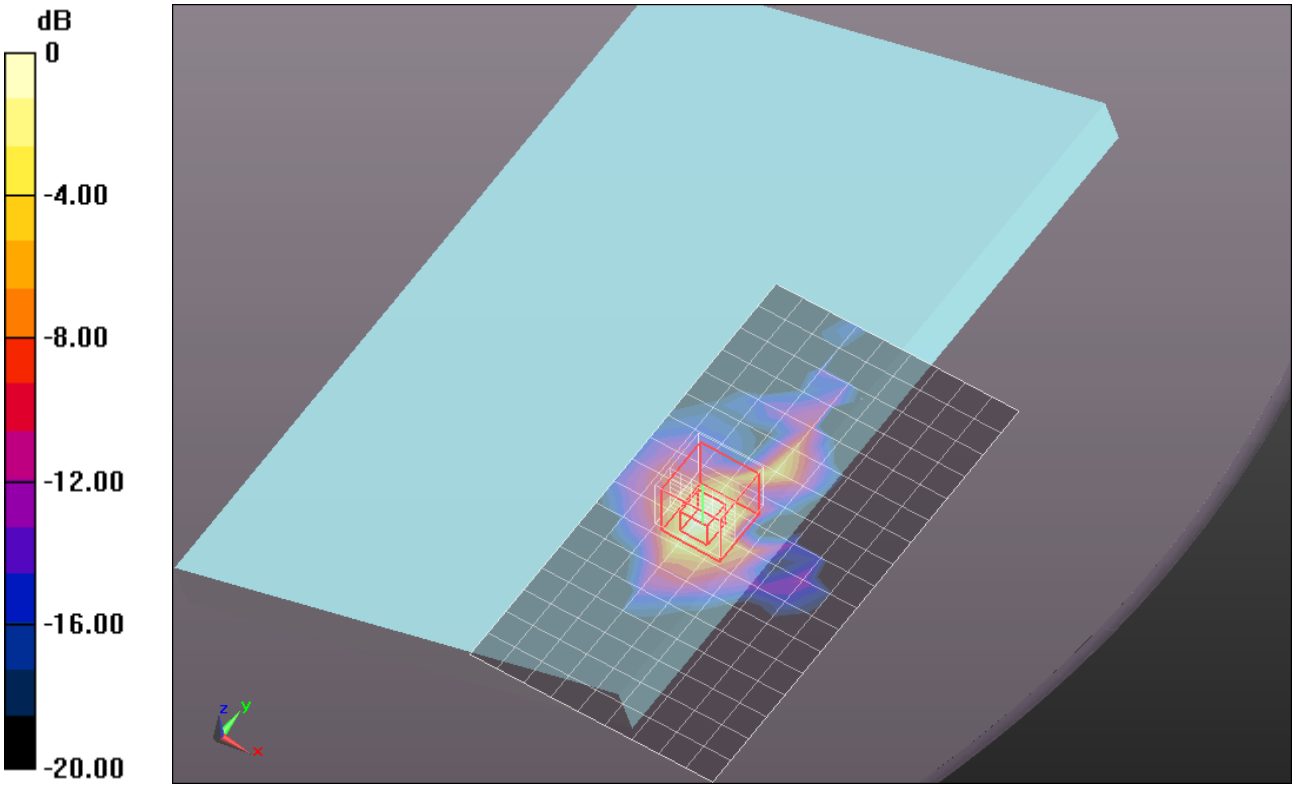
Test Laboratory: UL CCS SAR Lab B Date: 6/20/2012

WiFi 5.8 GHz band

Frequency: 5745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5745 MHz; σ = 5.981 mho/m; ε_r = 50.579; 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 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(3.57, 3.57, 3.57); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Rear 20 deg. tilt @ Edge 3/Ch 149/Area Scan (10x18x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.482 mW/g

Rear 20 deg. tilt @ Edge 3/Ch 149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 10.808 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.0090
SAR(1 g) = 0.305 mW/g; SAR(10 g) = 0.095 mW/g
Maximum value of SAR (measured) = 0.574 mW/g



0 dB = 0.570mW/g = -4.88 dB mW/g

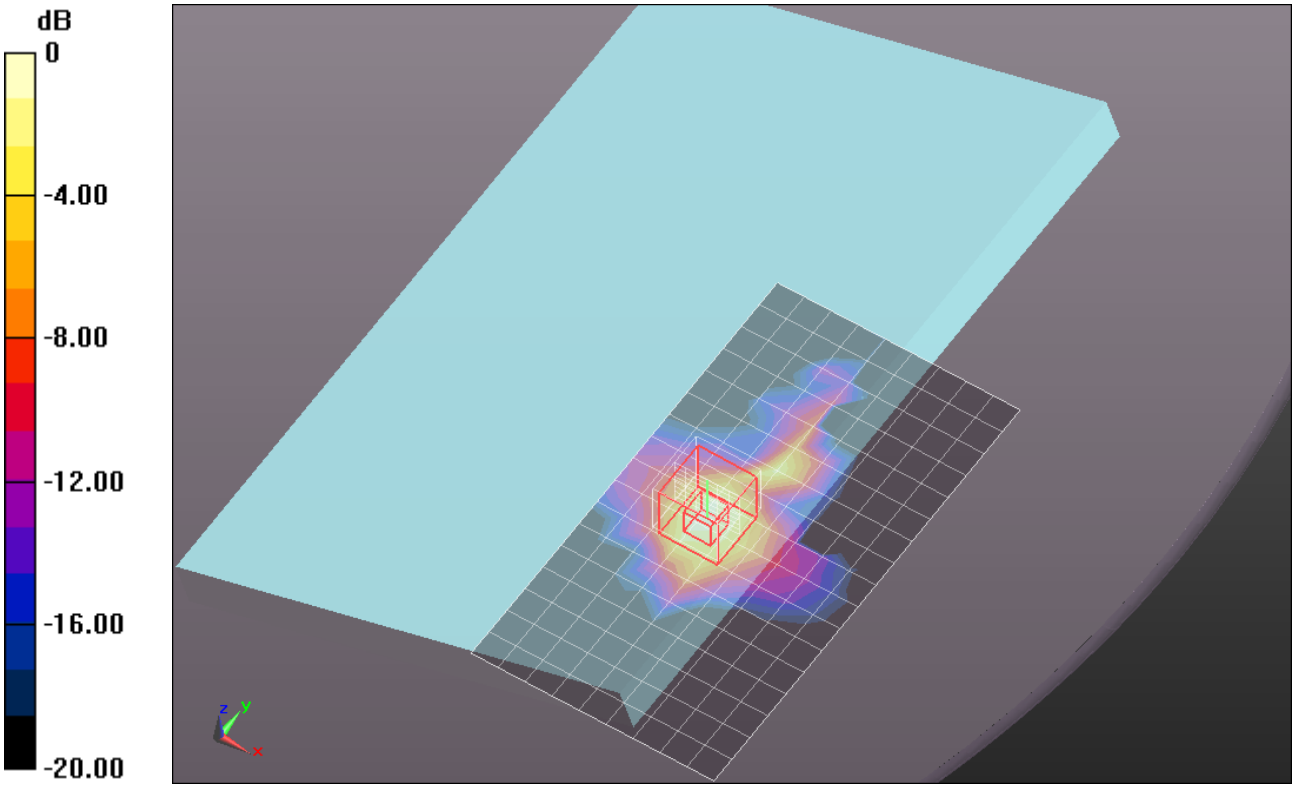
Test Laboratory: UL CCS SAR Lab B Date: 6/20/2012

WiFi 5.8 GHz band

Frequency: 5785 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5785 MHz; σ = 6.022 mho/m; ε_r = 50.438; 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 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(3.57, 3.57, 3.57); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Rear 20 deg. tilt @ Edge 3/Ch 157/Area Scan (10x18x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.626 mW/g

Rear 20 deg. tilt @ Edge 3/Ch 157/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 10.358 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.2040
SAR(1 g) = 0.361 mW/g; SAR(10 g) = 0.105 mW/g
Maximum value of SAR (measured) = 0.671 mW/g



0 dB = 0.670mW/g = -3.48 dB mW/g

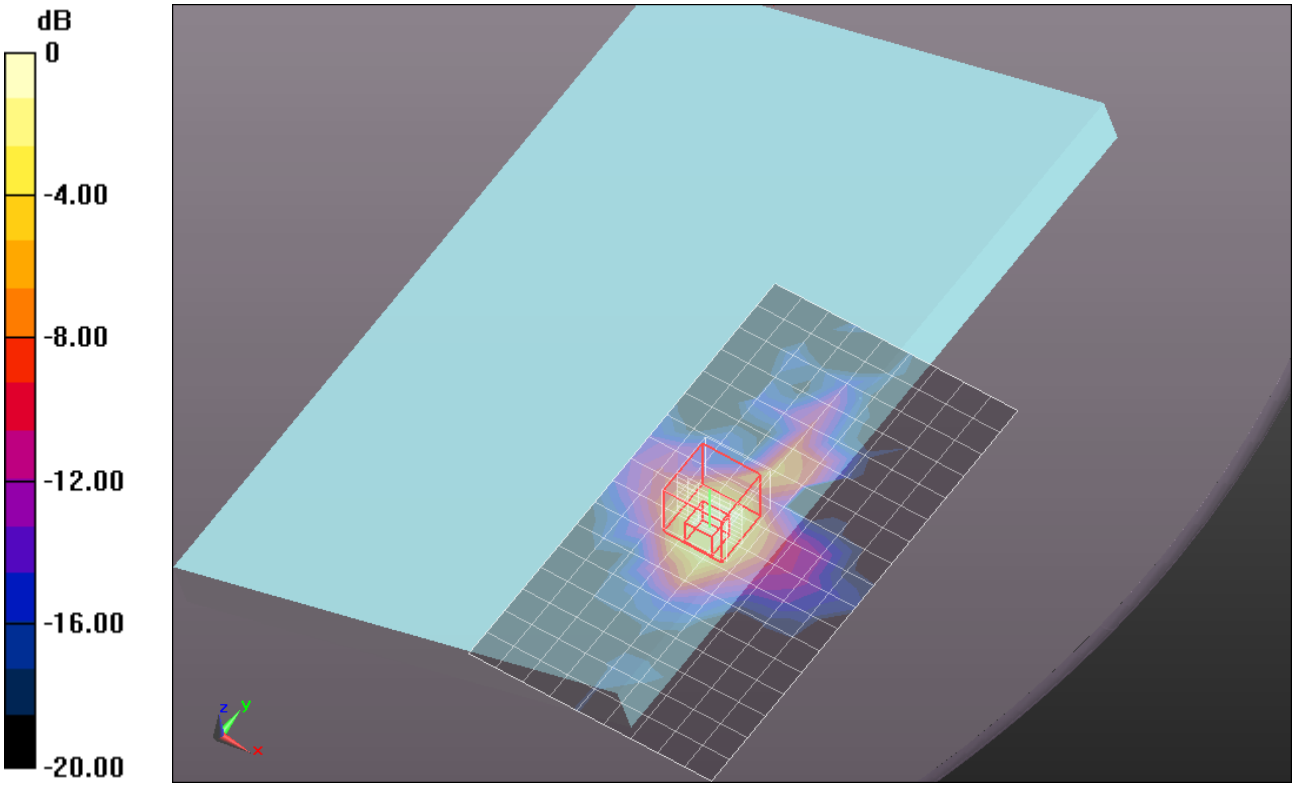
Test Laboratory: UL CCS SAR Lab B Date: 6/20/2012

WiFi 5.8 GHz band

Frequency: 5825 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5825 MHz; σ = 6.137 mho/m; ε_r = 50.312; 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 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(3.57, 3.57, 3.57); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Rear 20 deg. tilt @ Edge 3/Ch 165/Area Scan (10x18x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.487 mW/g

Rear 20 deg. tilt @ Edge 3/Ch 165/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 9.383 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 3.5610
SAR(1 g) = 0.412 mW/g; SAR(10 g) = 0.120 mW/g
Maximum value of SAR (measured) = 0.766 mW/g



0 dB = 0.770mW/g = -2.27 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 6/20/2012

WiFi 5.8 GHz band

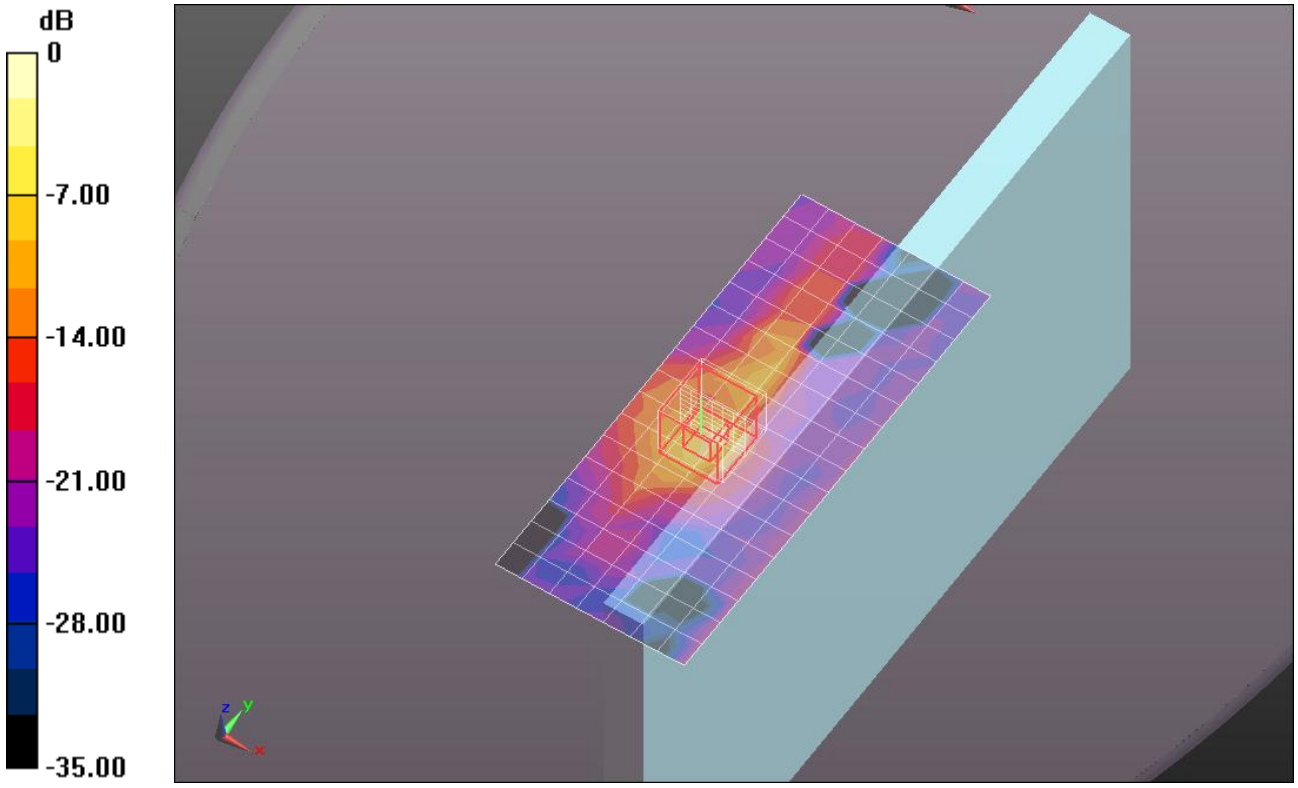
Frequency: 5745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5745 MHz; σ = 5.981 mho/m; ε_r = 50.579; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(3.57, 3.57, 3.57); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Edge 3/Ch 149/Area Scan (8x18x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.877 mW/g

Edge 3/Ch 149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 12.801 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 5.7420
SAR(1 g) = 0.829 mW/g; SAR(10 g) = 0.156 mW/g
Maximum value of SAR (measured) = 1.653 mW/g



0 dB = 1.650mW/g = 4.35 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 6/20/2012

WiFi 5.8 GHz band

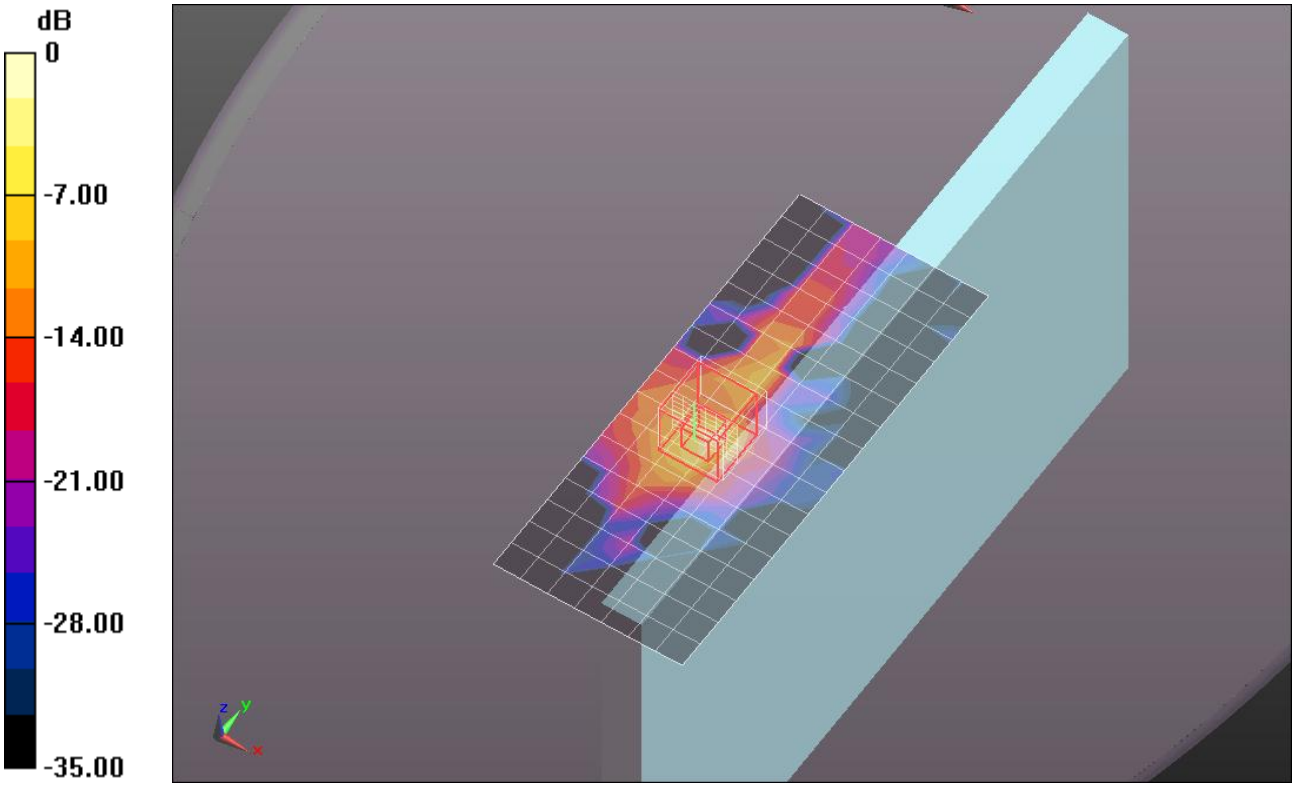
Frequency: 5785 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5785 MHz; σ = 6.022 mho/m; ε_r = 50.438; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(3.57, 3.57, 3.57); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Edge 3/Ch 157/Area Scan (8x18x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.940 mW/g

Edge 3/Ch 157/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 14.179 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 3.9360
SAR(1 g) = 0.744 mW/g; SAR(10 g) = 0.148 mW/g
Maximum value of SAR (measured) = 1.684 mW/g



0 dB = 1.680mW/g = 4.51 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 6/20/2012

WiFi 5.8 GHz band

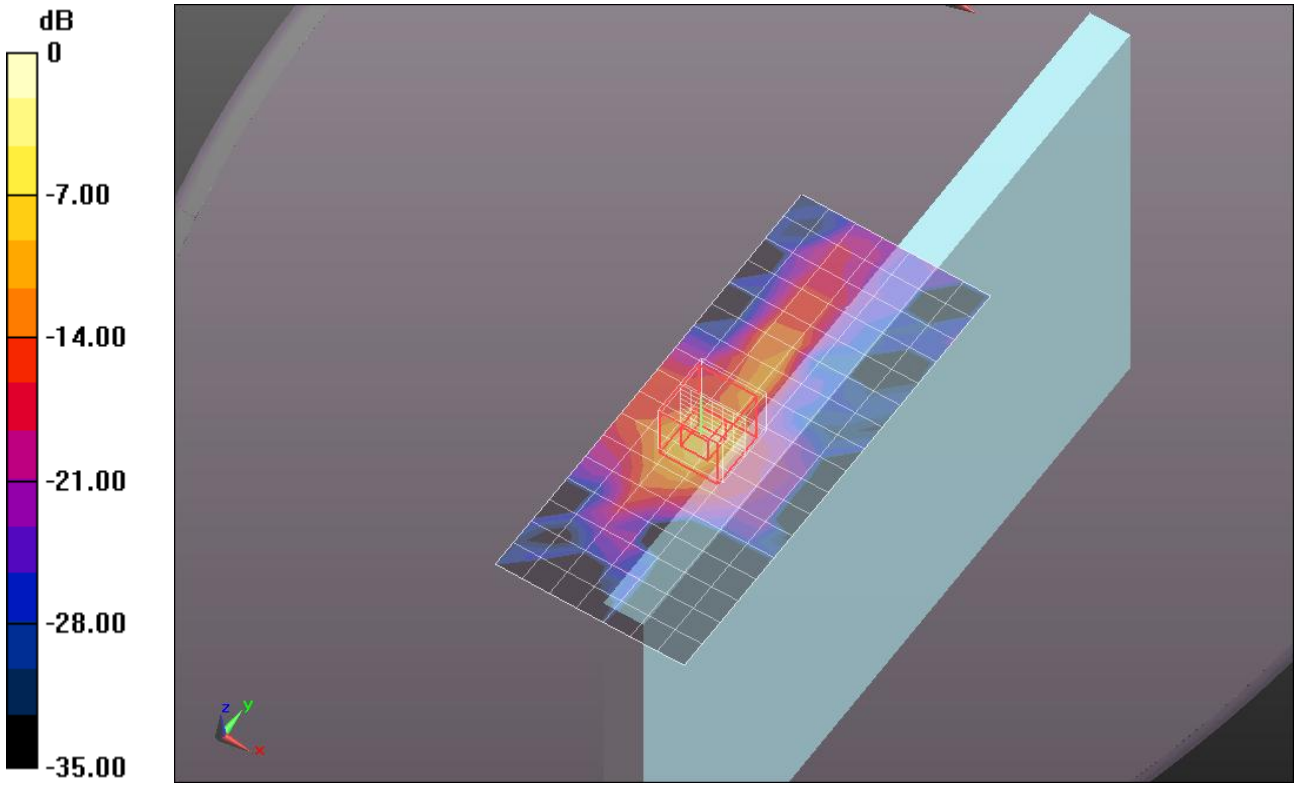
Frequency: 5825 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5825 MHz; σ = 6.137 mho/m; ε_r = 50.312; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(3.57, 3.57, 3.57); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Edge 3/Ch 165/Area Scan (8x18x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.971 mW/g

Edge 3/Ch 165/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 14.455 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 5.4390
SAR(1 g) = 0.894 mW/g; SAR(10 g) = 0.174 mW/g
Maximum value of SAR (measured) = 1.905 mW/g



0 dB = 1.900mW/g = 5.58 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 6/20/2012

WiFi 5.8 GHz band

Frequency: 5825 MHz; Duty Cycle: 1:1

Edge 3/Ch 165/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 1.094 mW/g