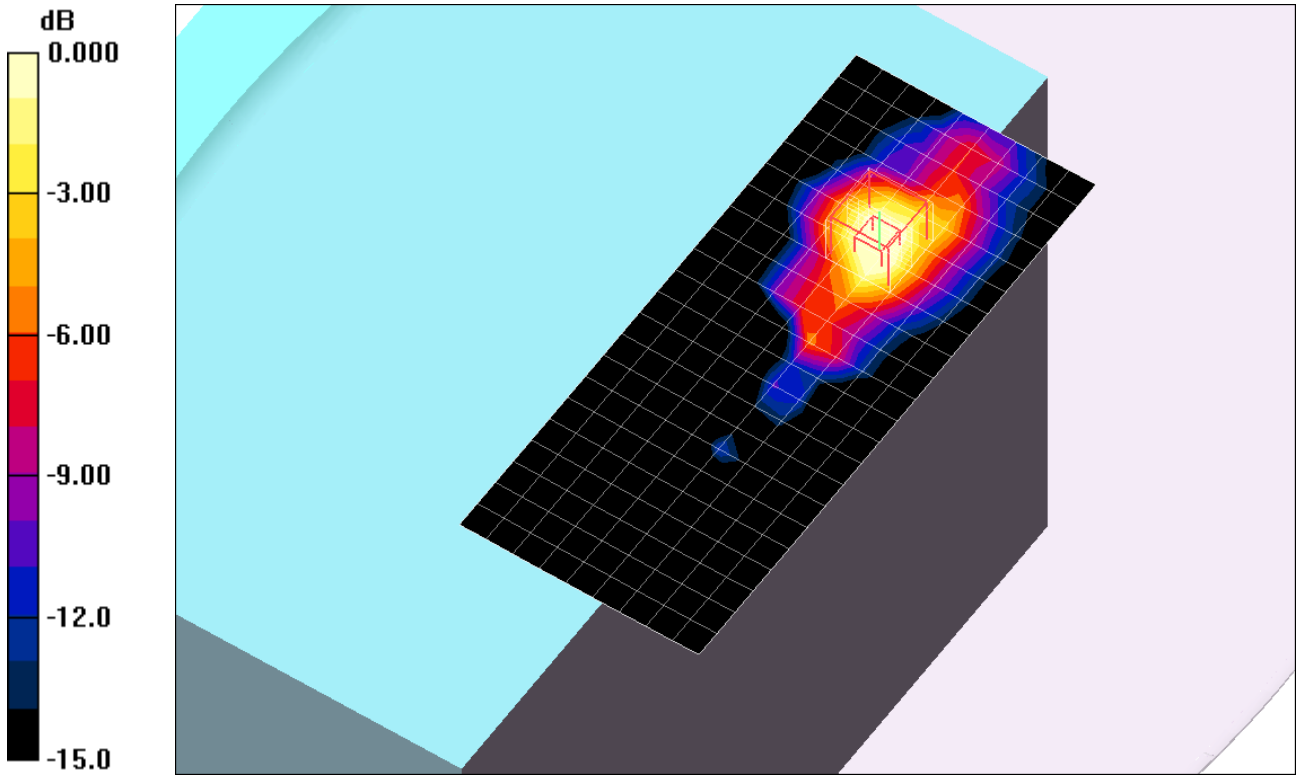
5GHz bands

Frequency: 5200 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5200 MHz; σ = 5.36 mho/m; ε_r = 49.3; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.23, 4.23, 4.23); Calibrated: 1/27/2012
- 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:1003

802.11a, Chain 0_Ch 40/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.59 mW/g

802.11a, Chain 0_Ch 40/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.2 V/m; Power Drift = 0.137 dB
Peak SAR (extrapolated) = 2.10 W/kg
SAR(1 g) = 0.585 mW/g; SAR(10 g) = 0.204 mW/g
Maximum value of SAR (measured) = 1.00 mW/g



0 dB = 1.00mW/g

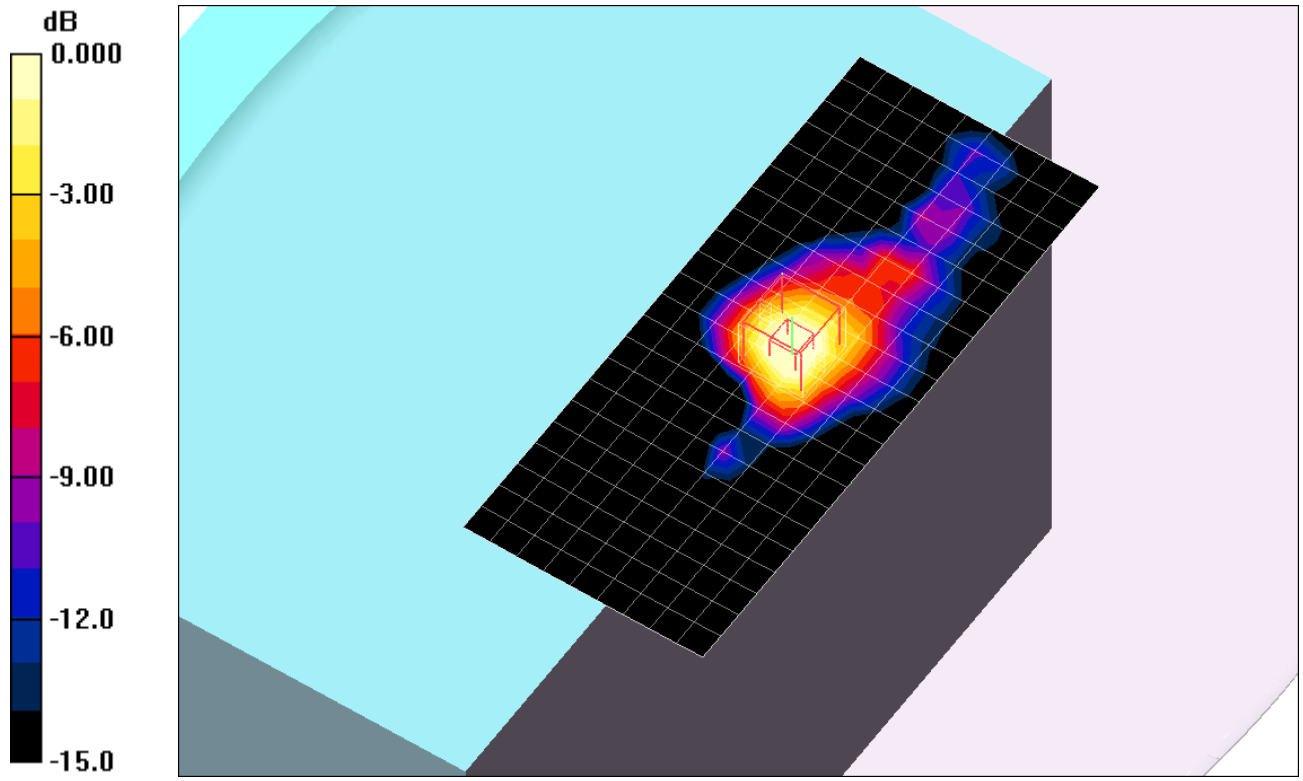
Test Laboratory: UL CCS SAR Lab D Date/Time: 2/4/2012 10:53:00 PM

5GHz bands

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 = 5.47 mho/m; ε_r = 49.2; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.23, 4.23, 4.23); Calibrated: 1/27/2012
- 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:1003

802.11a, Chain 1_Ch 48/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.41 mW/g

802.11a, Chain 1_Ch 48/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 13.2 V/m; Power Drift = 0.167 dB
Peak SAR (extrapolated) = 2.03 W/kg
SAR(1 g) = 0.590 mW/g; SAR(10 g) = 0.208 mW/g
Maximum value of SAR (measured) = 1.02 mW/g



0 dB = 1.02mW/g

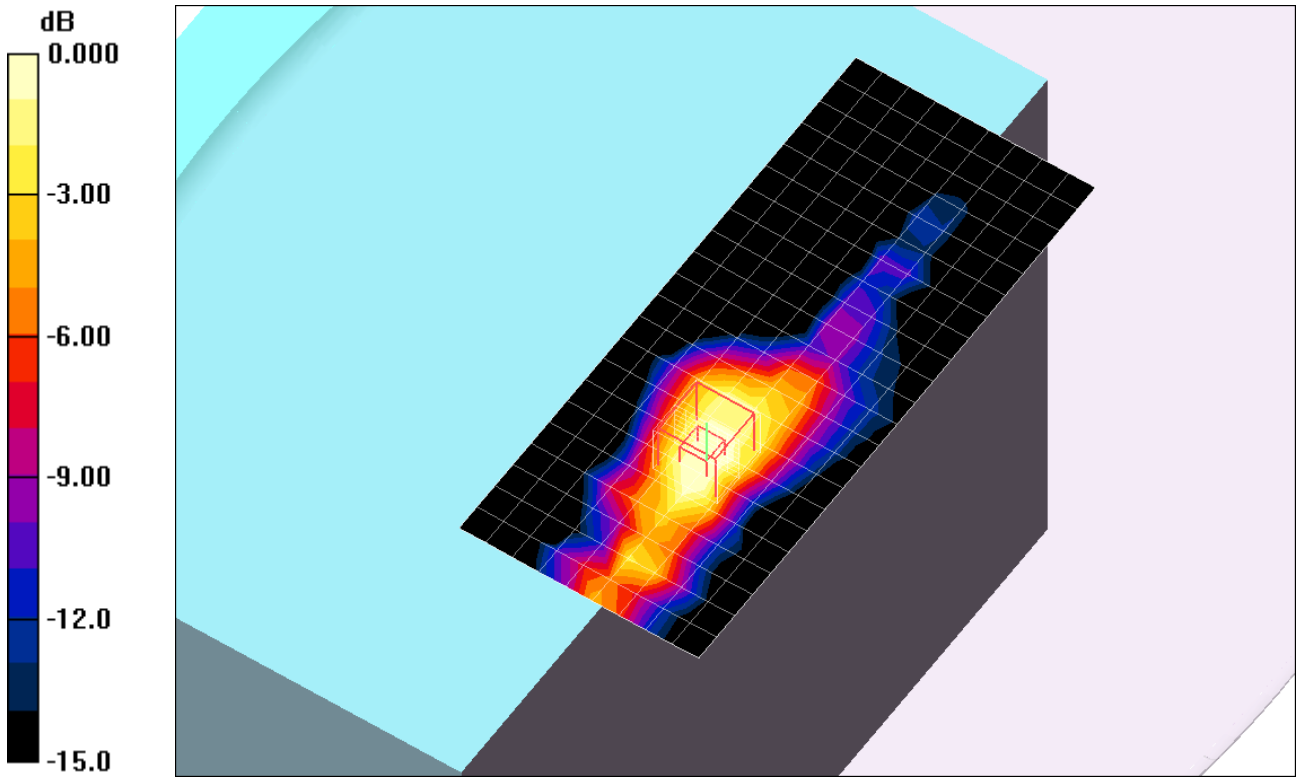
Test Laboratory: UL CCS SAR Lab D Date/Time: 2/4/2012 10:27:32 PM

5GHz bands

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 = 5.47 mho/m; ε_r = 49.2; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.23, 4.23, 4.23); Calibrated: 1/27/2012
- 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:1003

802.11a, Chain 2_Ch 48/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.08 mW/g

802.11a, Chain 2_Ch 48/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 12.0 V/m; Power Drift = 0.175 dB
Peak SAR (extrapolated) = 1.91 W/kg
SAR(1 g) = 0.449 mW/g; SAR(10 g) = 0.149 mW/g
Maximum value of SAR (measured) = 0.774 mW/g



0 dB = 0.774mW/g

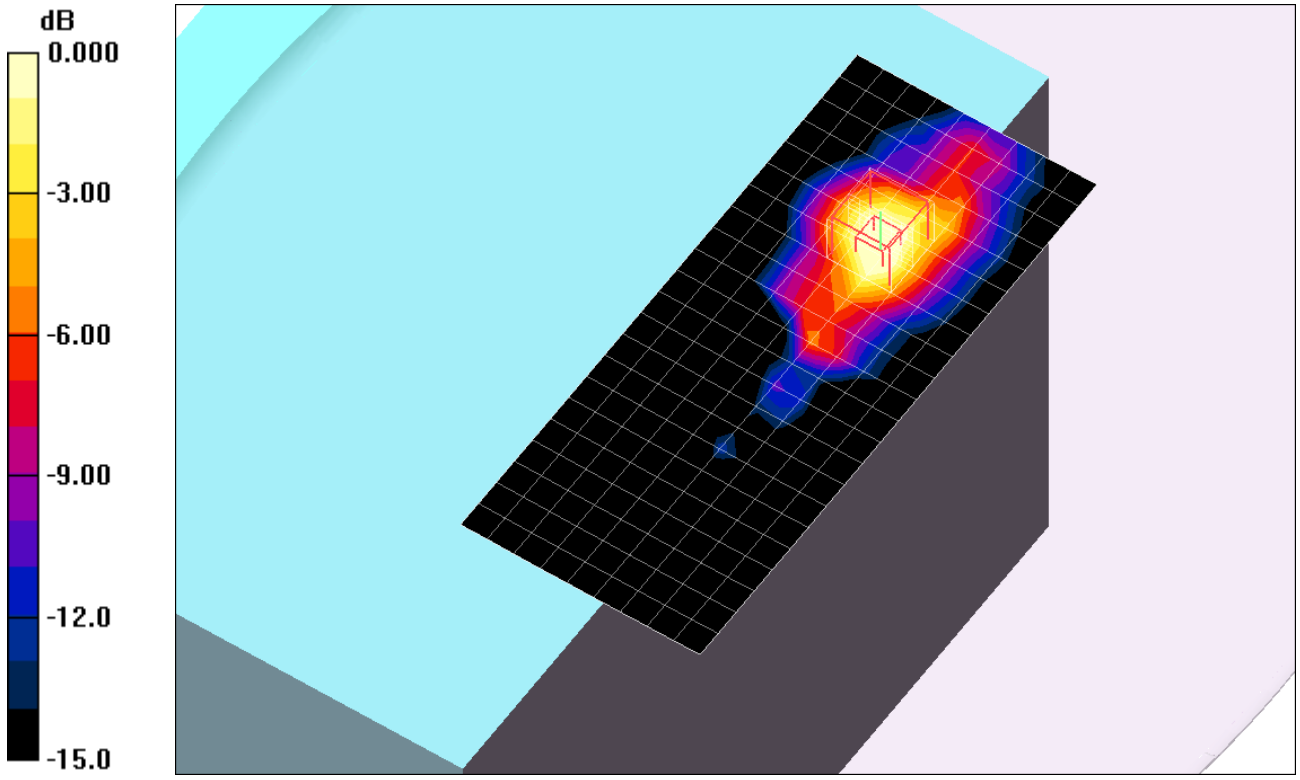
Test Laboratory: UL CCS SAR Lab D Date/Time: 2/4/2012 10:01:14 PM

5GHz bands

Frequency: 5190 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5190 MHz; σ = 5.34 mho/m; ε_r = 49.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.23, 4.23, 4.23); Calibrated: 1/27/2012
- 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:1003

802.11n HT40,Chain 0_Ch 38/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.22 mW/g

802.11n HT40,Chain 0_Ch 38/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.7 V/m; Power Drift = 0.111 dB
Peak SAR (extrapolated) = 2.81 W/kg
SAR(1 g) = 0.794 mW/g; SAR(10 g) = 0.280 mW/g
Maximum value of SAR (measured) = 1.40 mW/g



0 dB = 1.40mW/g

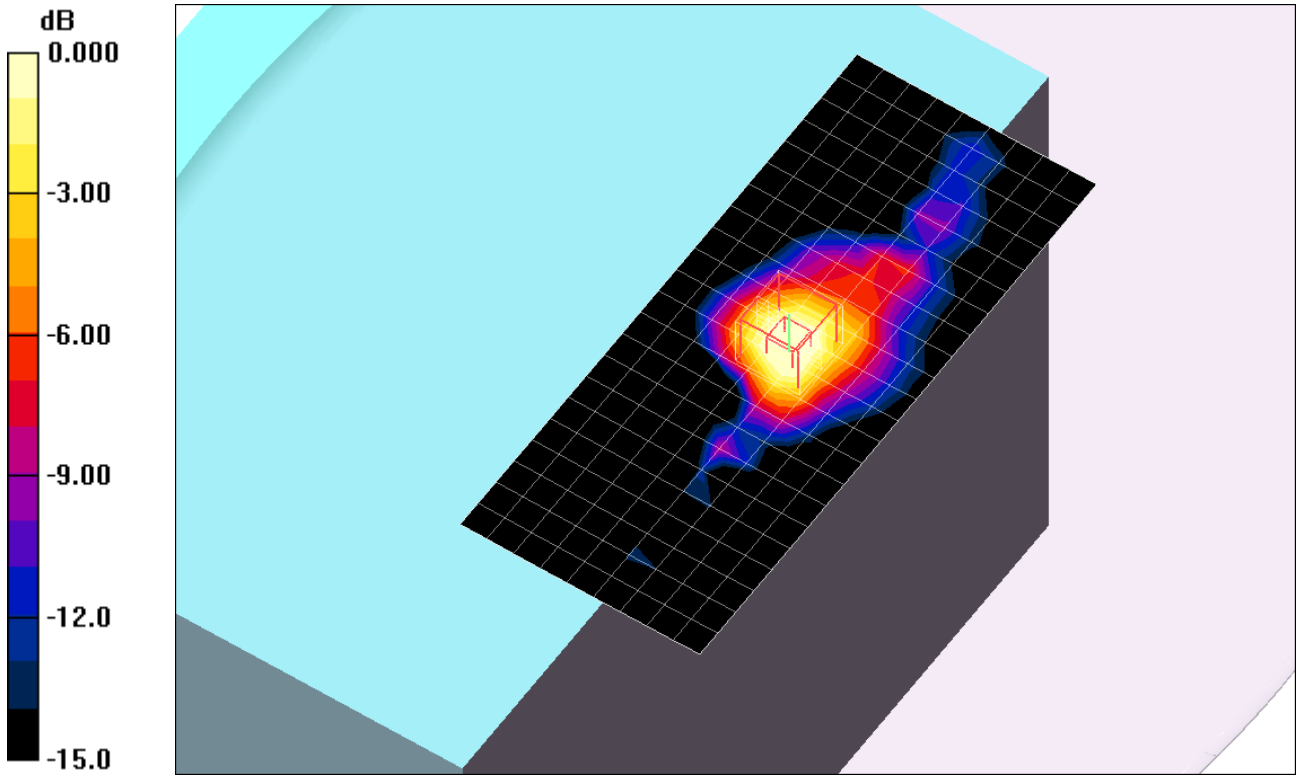
Test Laboratory: UL CCS SAR Lab D Date/Time: 2/4/2012 9:10:44 PM

5GHz bands

Frequency: 5190 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5190 MHz; σ = 5.34 mho/m; ε_r = 49.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.23, 4.23, 4.23); Calibrated: 1/27/2012
- 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:1003

802.11n HT40,Chain 1_Ch 38/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.84 mW/g

802.11n HT40,Chain 1_Ch 38/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.0 V/m; Power Drift = 0.175 dB
Peak SAR (extrapolated) = 2.69 W/kg
SAR(1 g) = 0.786 mW/g; SAR(10 g) = 0.275 mW/g
Maximum value of SAR (measured) = 1.35 mW/g



0 dB = 1.35mW/g

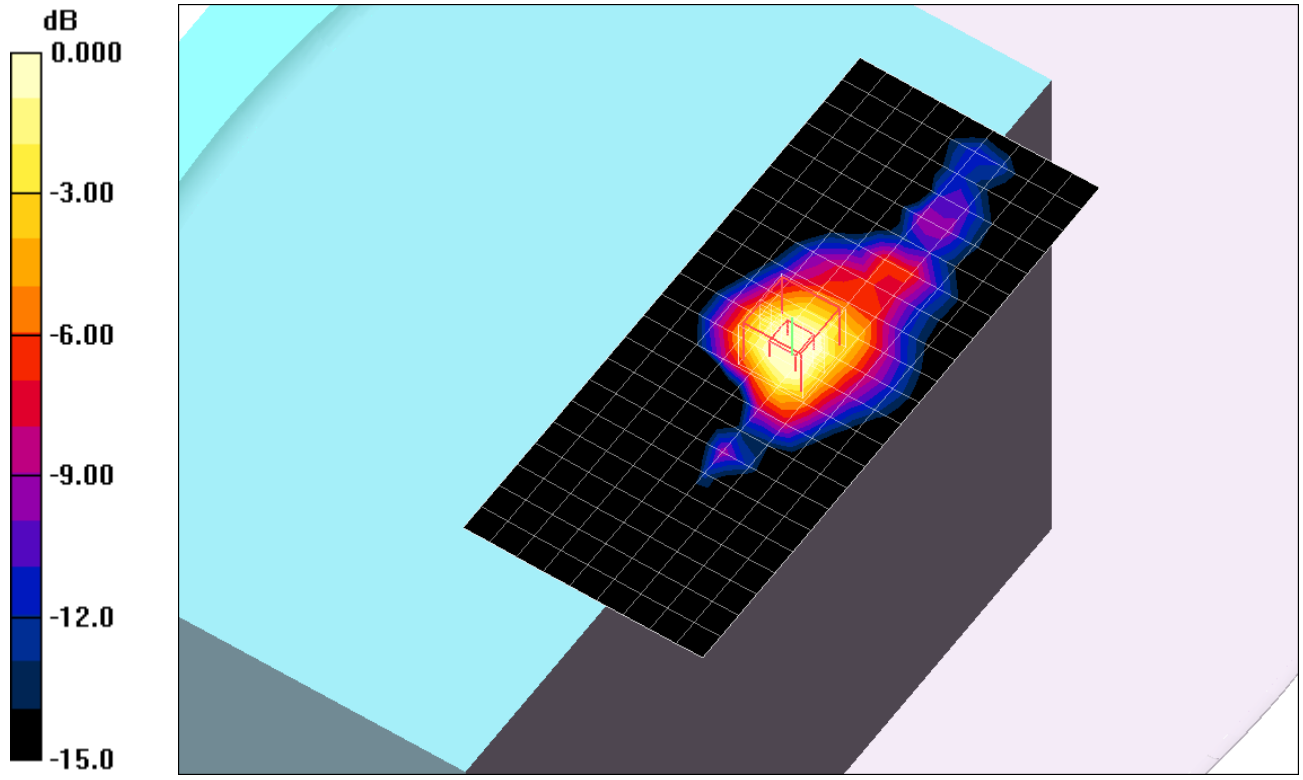
Test Laboratory: UL CCS SAR Lab D Date/Time: 2/4/2012 8:45:34 PM

5GHz bands

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 = 5.42 mho/m; ε_r = 49.2; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.23, 4.23, 4.23); Calibrated: 1/27/2012
- 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:1003

802.11n HT40,Chain 1_Ch 46/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.90 mW/g

802.11n HT40,Chain 1_Ch 46/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.4 V/m; Power Drift = 0.166 dB
Peak SAR (extrapolated) = 2.77 W/kg
SAR(1 g) = 0.808 mW/g; SAR(10 g) = 0.281 mW/g
Maximum value of SAR (measured) = 1.41 mW/g



0 dB = 1.41mW/g

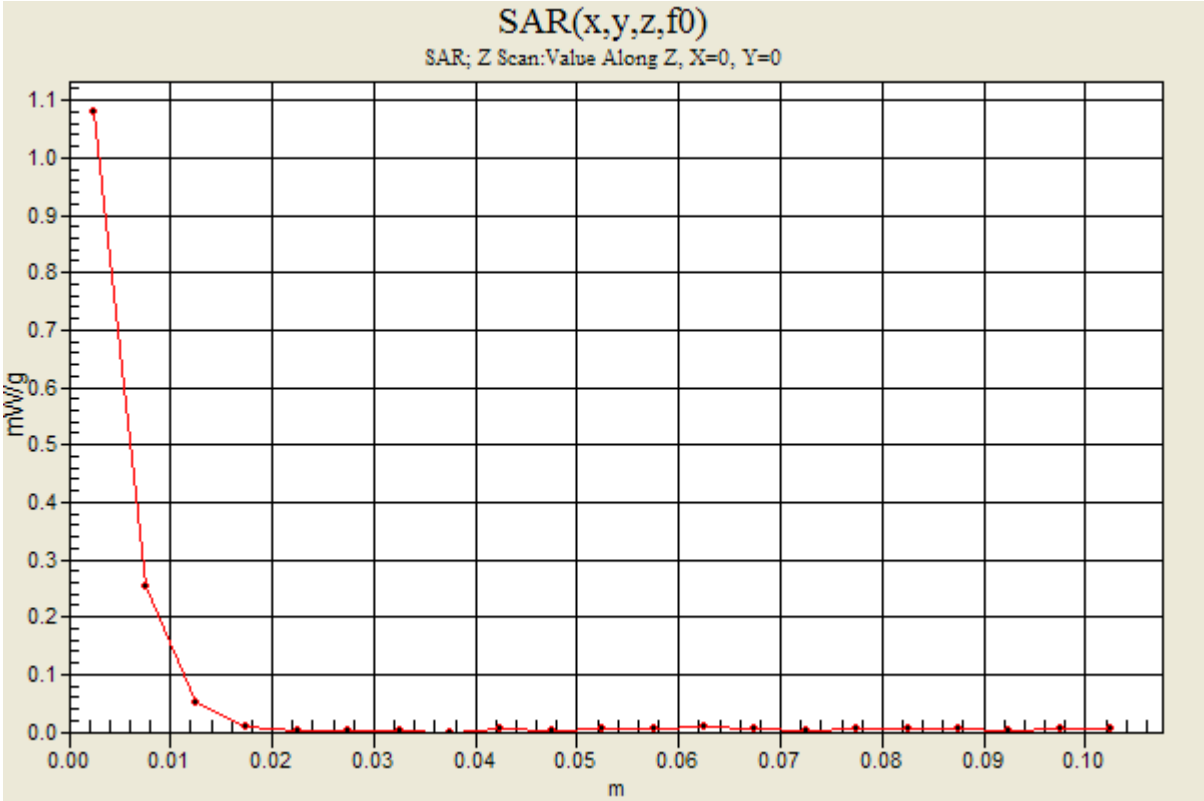
Test Laboratory: UL CCS SAR Lab D Date/Time: 2/4/2012 9:08:47 PM

5GHz bands

Frequency: 5230 MHz; Duty Cycle: 1:1

802.11n HT40,Chain 1_Ch 46/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 1.08 mW/g



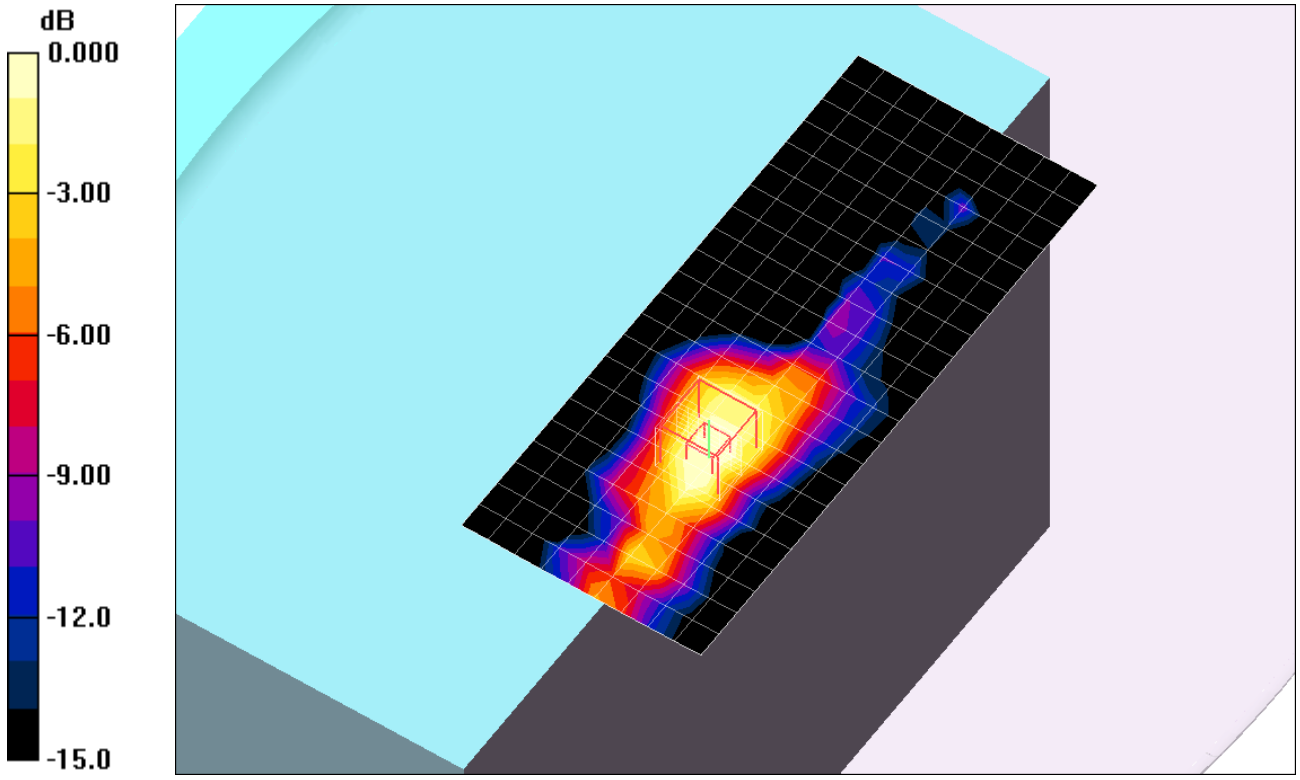
Test Laboratory: UL CCS SAR Lab D Date/Time: 2/4/2012 8:19:22 PM

5GHz bands

Frequency: 5190 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5190 MHz; σ = 5.34 mho/m; ε_r = 49.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.23, 4.23, 4.23); Calibrated: 1/27/2012
- 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:1003

802.11n HT40,Chain 2_Ch 38/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.32 mW/g

802.11n HT40,Chain 2_Ch 38/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 13.6 V/m; Power Drift = 0.123 dB
Peak SAR (extrapolated) = 2.04 W/kg
SAR(1 g) = 0.562 mW/g; SAR(10 g) = 0.190 mW/g
Maximum value of SAR (measured) = 0.952 mW/g



0 dB = 0.952mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 2/4/2012 7:07:18 PM

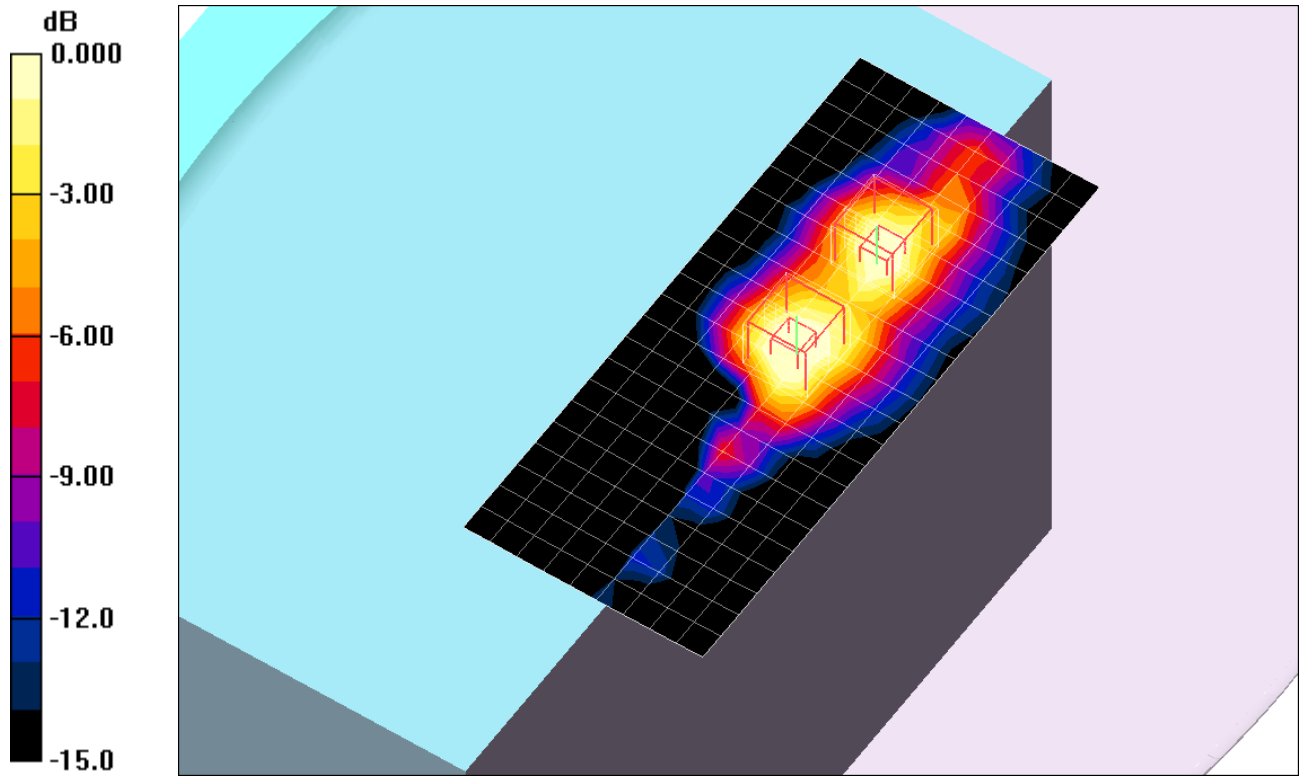
5GHz bands

Frequency: 5190 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5190 MHz; σ = 5.34 mho/m; ε_r = 49.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.23, 4.23, 4.23); Calibrated: 1/27/2012
- 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:1003

802.11n HT40,Chain 0,1_Ch 38/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.55 mW/g

802.11n HT40,Chain 0_Ch 38/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.2 V/m; Power Drift = 0.106 dB
Peak SAR (extrapolated) = 1.88 W/kg
SAR(1 g) = 0.554 mW/g; SAR(10 g) = 0.195 mW/g
Maximum value of SAR (measured) = 0.957 mW/g

802.11n HT40,Chain 1_Ch 38/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.2 V/m; Power Drift = 0.106 dB
Peak SAR (extrapolated) = 2.10 W/kg
SAR(1 g) = 0.643 mW/g; SAR(10 g) = 0.237 mW/g
Maximum value of SAR (measured) = 1.07 mW/g



0 dB = 1.07mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 2/4/2012 6:28:29 PM

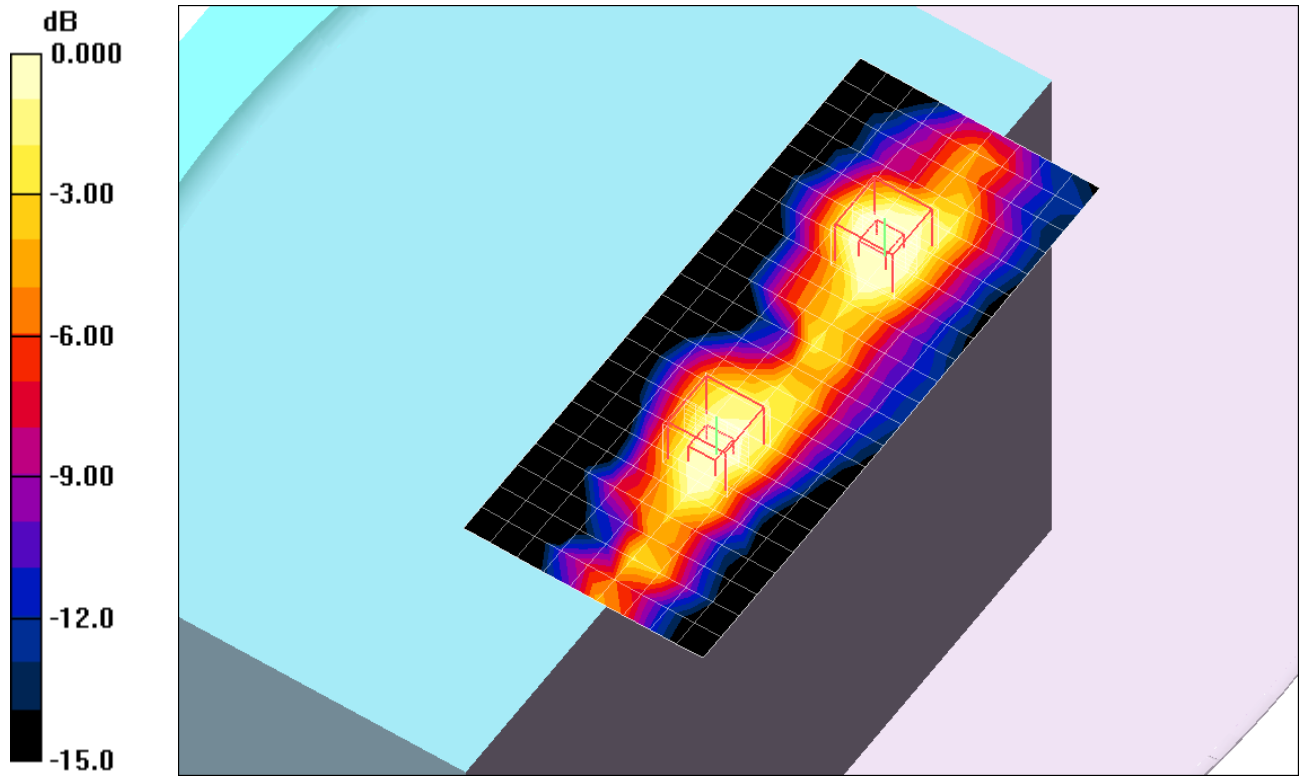
5GHz bands

Frequency: 5190 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5190 MHz; σ = 5.34 mho/m; ε_r = 49.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.23, 4.23, 4.23); Calibrated: 1/27/2012
- 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:1003

802.11n HT40,Chain 0,2_Ch 38/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.58 mW/g

802.11n HT40,Chain 0_Ch 38/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.0 V/m; Power Drift = 0.119 dB
Peak SAR (extrapolated) = 2.08 W/kg
SAR(1 g) = 0.568 mW/g; SAR(10 g) = 0.196 mW/g
Maximum value of SAR (measured) = 0.971 mW/g

802.11n HT40,Chain 2_Ch 38/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.0 V/m; Power Drift = 0.119 dB
Peak SAR (extrapolated) = 1.48 W/kg
SAR(1 g) = 0.407 mW/g; SAR(10 g) = 0.140 mW/g
Maximum value of SAR (measured) = 0.685 mW/g



0 dB = 0.685mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 2/4/2012 5:48:15 PM

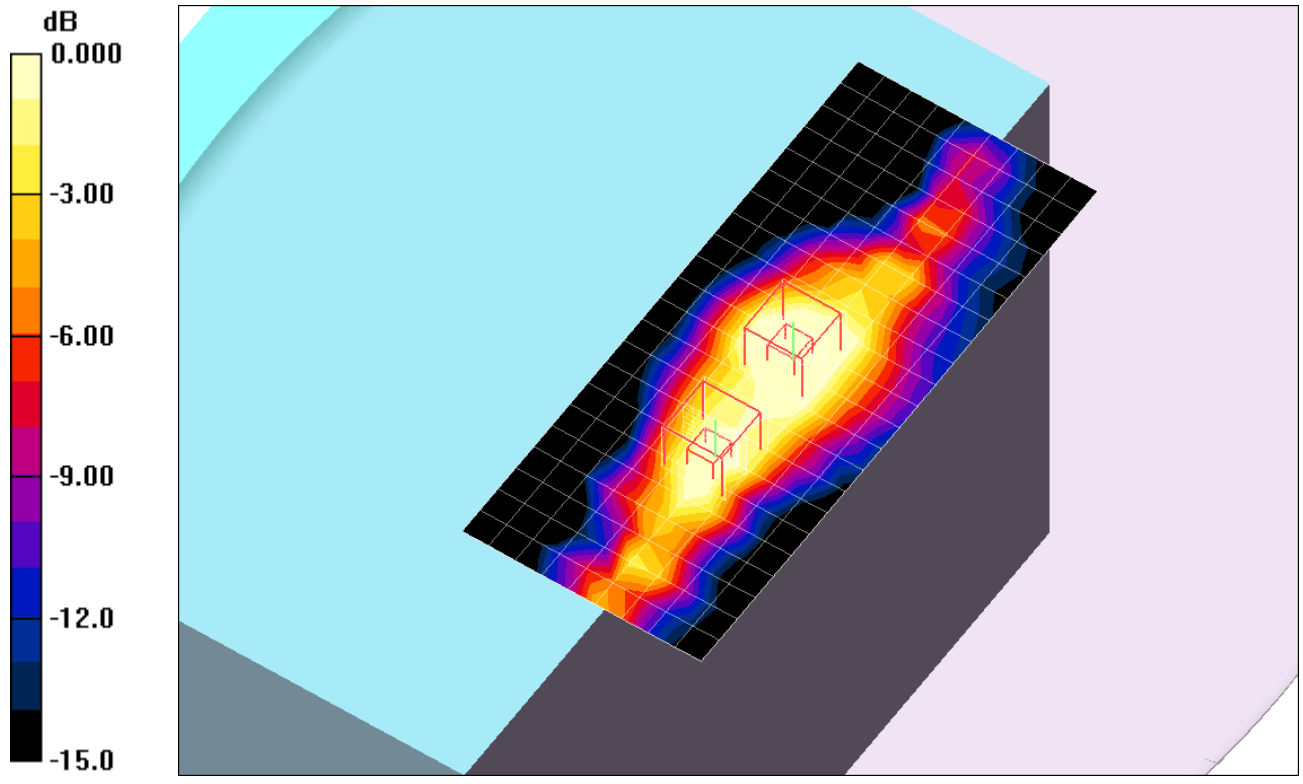
5GHz bands

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 = 5.42 mho/m; ε_r = 49.2; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.23, 4.23, 4.23); Calibrated: 1/27/2012
- 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:1003

802.11n HT40,Chain 1,2_Ch 46/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.69 mW/g

802.11n HT40,Chain 1_Ch 46/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.6 V/m; Power Drift = 0.091 dB
Peak SAR (extrapolated) = 2.28 W/kg
SAR(1 g) = 0.671 mW/g; SAR(10 g) = 0.241 mW/g
Maximum value of SAR (measured) = 1.14 mW/g

802.11n HT40,Chain 2_Ch 46/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.6 V/m; Power Drift = 0.091 dB
Peak SAR (extrapolated) = 1.38 W/kg
SAR(1 g) = 0.385 mW/g; SAR(10 g) = 0.135 mW/g
Maximum value of SAR (measured) = 0.654 mW/g



0 dB = 0.654mW/g

5GHz bands

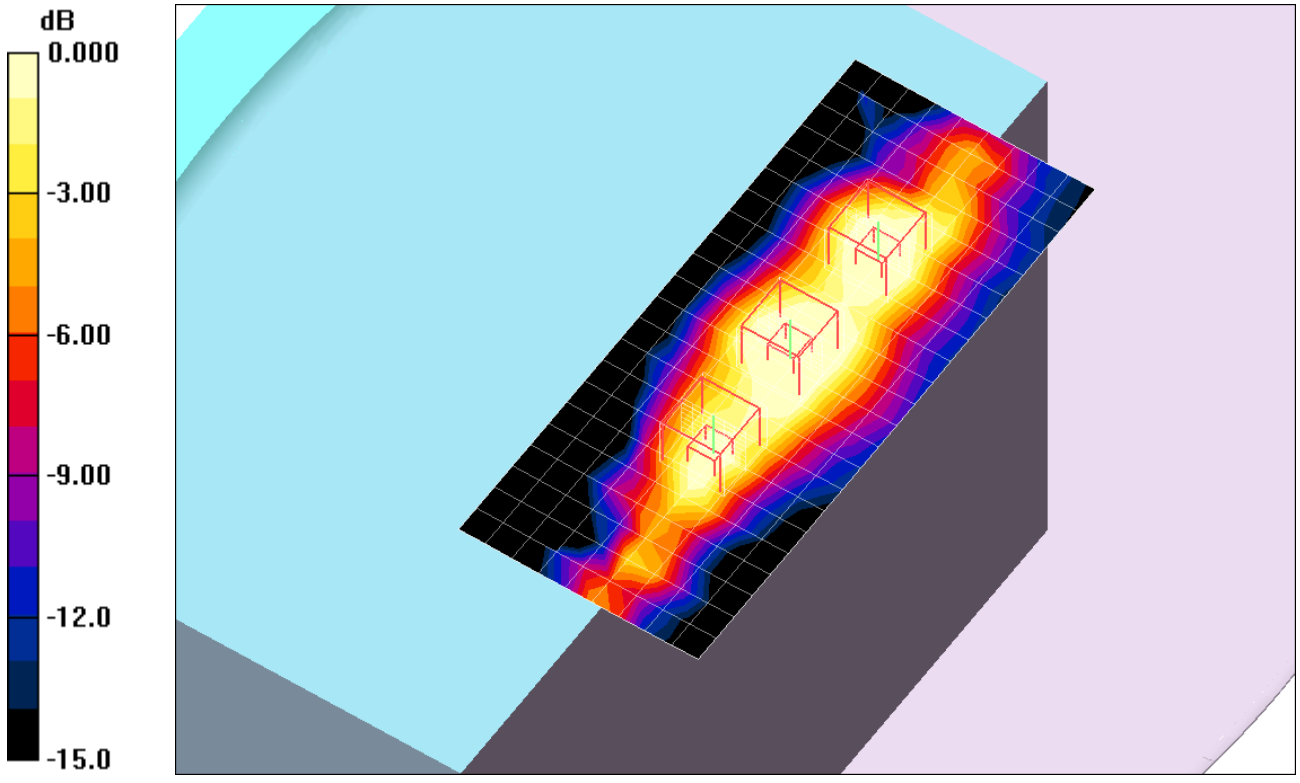
Frequency: 5190 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5190 MHz; σ = 5.34 mho/m; ε_r = 49.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.23, 4.23, 4.23); Calibrated: 1/27/2012
- 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:1003

802.11n HT40,Chain 0,1,2_Ch 38/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.76 mW/g

802.11n HT40,Chain 0_Ch 38/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.0 V/m; Power Drift = 0.144 dB
Peak SAR (extrapolated) = 2.13 W/kg
SAR(1 g) = 0.592 mW/g; SAR(10 g) = 0.208 mW/g
Maximum value of SAR (measured) = 1.05 mW/g

802.11n HT40,Chain 1_Ch 38/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.0 V/m; Power Drift = 0.144 dB
Peak SAR (extrapolated) = 2.29 W/kg
SAR(1 g) = 0.704 mW/g; SAR(10 g) = 0.262 mW/g
Maximum value of SAR (measured) = 1.20 mW/g

802.11n HT40,Chain 2_Ch 38/Zoom Scan (7x7x9)/Cube 2: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.0 V/m; Power Drift = 0.144 dB
Peak SAR (extrapolated) = 1.50 W/kg
SAR(1 g) = 0.419 mW/g; SAR(10 g) = 0.145 mW/g
Maximum value of SAR (measured) = 0.722 mW/g



0 dB = 0.722mW/g

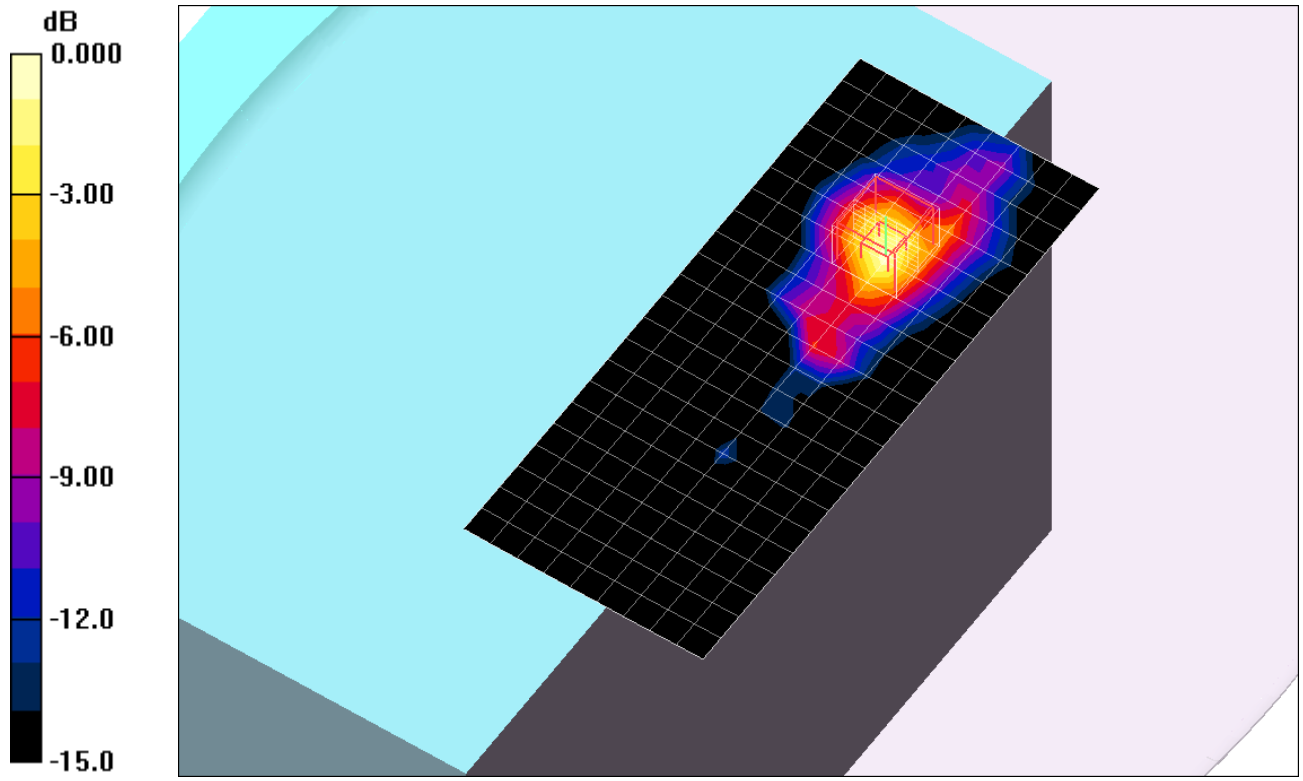
Test Laboratory: UL CCS SAR Lab D Date/Time: 1/28/2012 10:13:24 PM

5GHz bands

Frequency: 5300 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5300 MHz; σ = 5.53 mho/m; ε_r = 48.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3773; ConvF(3.88, 3.88, 3.88); Calibrated: 5/3/2011
- 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:1003

802.11a, Chain 0_Ch 60/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.09 mW/g

802.11a, Chain 0_Ch 60/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.3 V/m; Power Drift = 0.089 dB
Peak SAR (extrapolated) = 2.36 W/kg
SAR(1 g) = 0.650 mW/g; SAR(10 g) = 0.230 mW/g
Maximum value of SAR (measured) = 1.16 mW/g



0 dB = 1.16mW/g

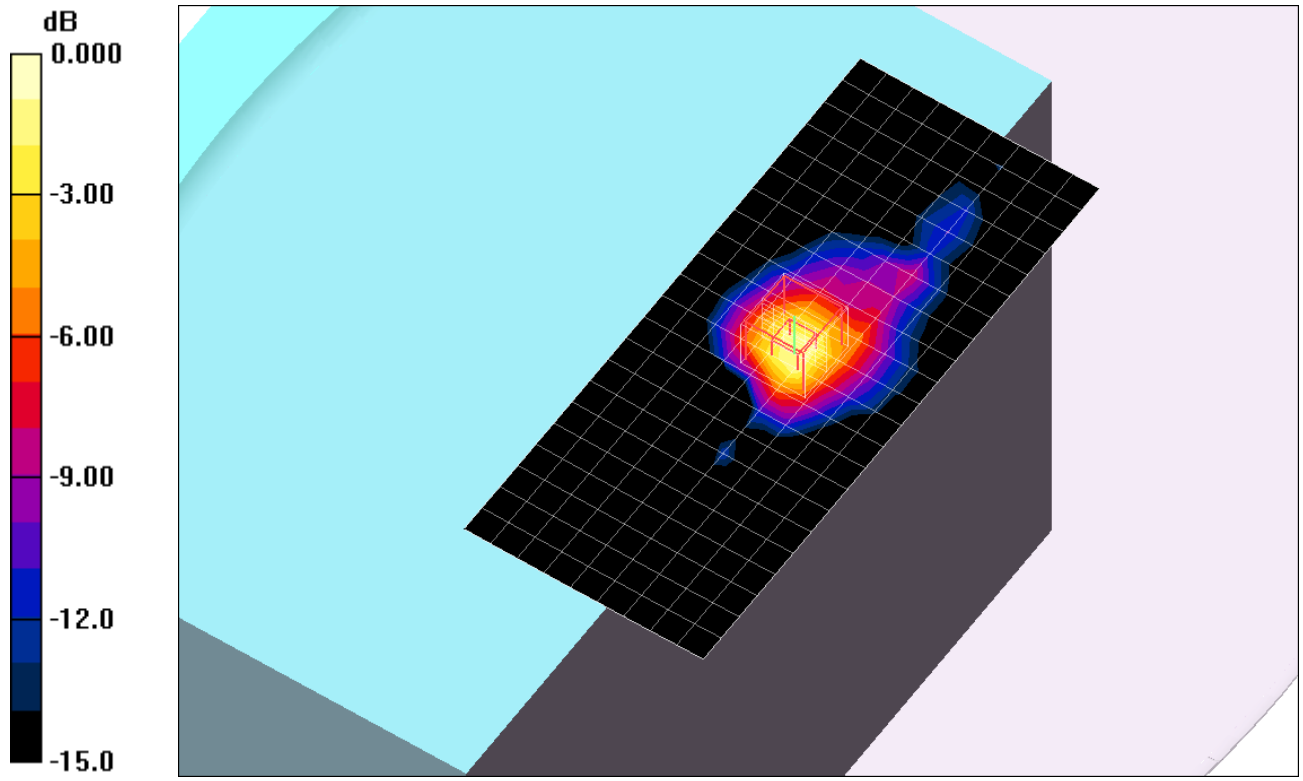
Test Laboratory: UL CCS SAR Lab D Date/Time: 1/28/2012 9:42:52 PM

5GHz bands

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 = 5.47 mho/m; ε_r = 48.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3773; ConvF(3.88, 3.88, 3.88); Calibrated: 5/3/2011
- 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:1003

802.11a, Chain 1_Ch 52/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.967 mW/g

802.11a, Chain 1_Ch 52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 13.8 V/m; Power Drift = 0.186 dB
Peak SAR (extrapolated) = 2.33 W/kg
SAR(1 g) = 0.694 mW/g; SAR(10 g) = 0.243 mW/g
Maximum value of SAR (measured) = 1.21 mW/g



0 dB = 1.21mW/g

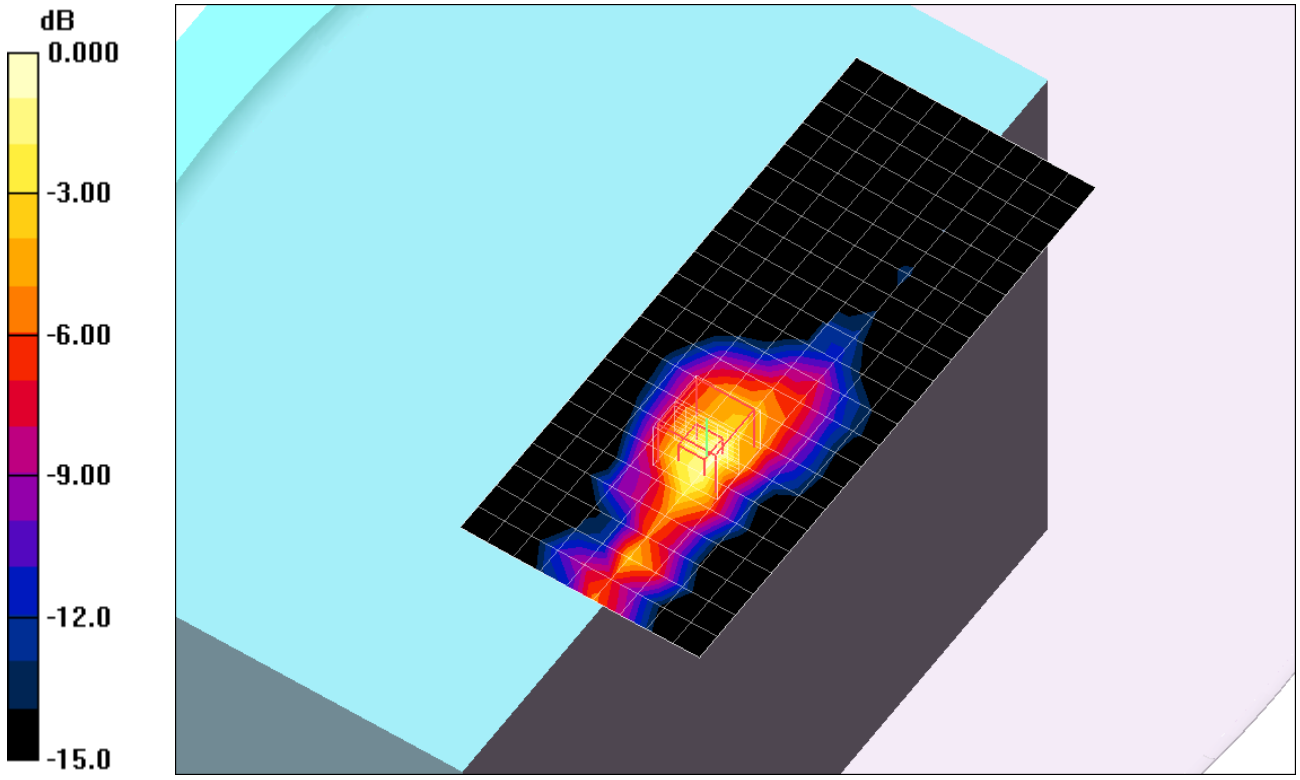
Test Laboratory: UL CCS SAR Lab D Date/Time: 1/28/2012 9:13:43 PM

5GHz bands

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 = 5.56 mho/m; ε_r = 48.3; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3773; ConvF(3.88, 3.88, 3.88); Calibrated: 5/3/2011
- 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:1003

802.11a, Chain 2_Ch 64/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.899 mW/g

802.11a, Chain 2_Ch 64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 13.2 V/m; Power Drift = 0.147 dB
Peak SAR (extrapolated) = 2.20 W/kg
SAR(1 g) = 0.600 mW/g; SAR(10 g) = 0.194 mW/g
Maximum value of SAR (measured) = 1.02 mW/g



0 dB = 1.02mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 1/28/2012 8:30:22 PM

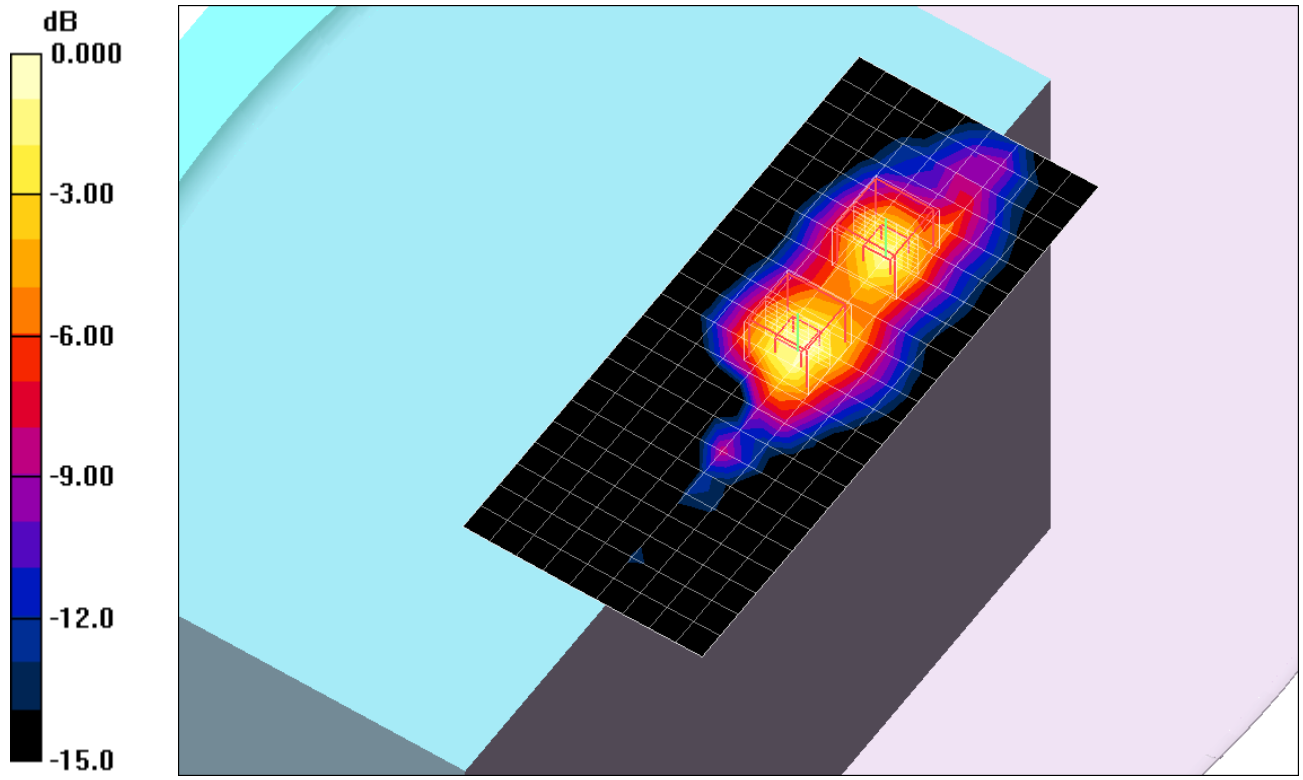
5GHz bands

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 = 5.47 mho/m; ε_r = 48.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3773; ConvF(3.88, 3.88, 3.88); Calibrated: 5/3/2011
- 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:1003

802.11n HT20,Chain 0,1_Ch 52/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.21 mW/g

802.11n HT20,Chain 0_Ch 52/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.0 V/m; Power Drift = 0.180 dB
Peak SAR (extrapolated) = 2.44 W/kg
SAR(1 g) = 0.704 mW/g; SAR(10 g) = 0.248 mW/g
Maximum value of SAR (measured) = 1.23 mW/g

802.11n HT20,Chain 1_Ch 52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.0 V/m; Power Drift = 0.180 dB
Peak SAR (extrapolated) = 2.71 W/kg
SAR(1 g) = 0.822 mW/g; SAR(10 g) = 0.301 mW/g
Maximum value of SAR (measured) = 1.40 mW/g



0 dB = 1.40mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 1/28/2012 7:06:04 PM

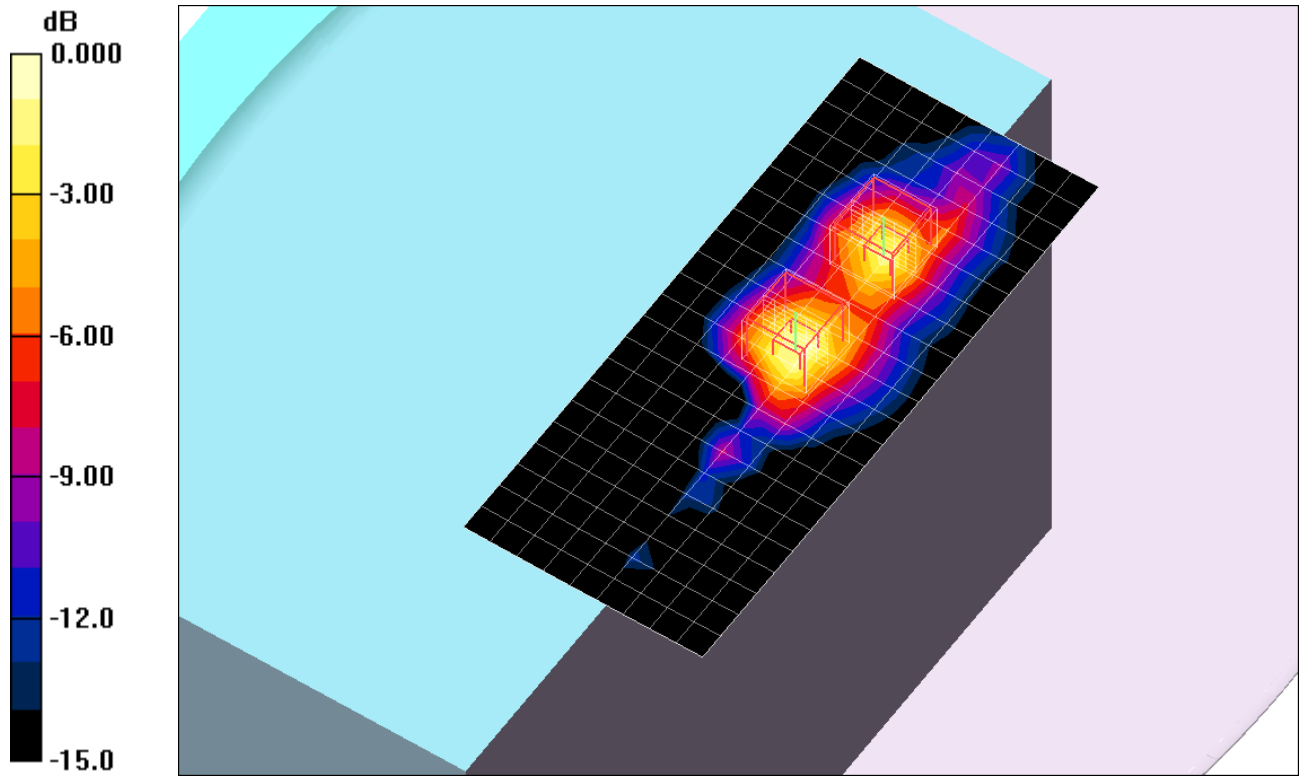
5GHz bands

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 = 5.56 mho/m; ε_r = 48.3; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3773; ConvF(3.88, 3.88, 3.88); Calibrated: 5/3/2011
- 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:1003

802.11n HT20,Chain 0,1_Ch 64/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.24 mW/g

802.11n HT20,Chain 0_Ch 64/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.6 V/m; Power Drift = 0.154 dB
Peak SAR (extrapolated) = 2.37 W/kg
SAR(1 g) = 0.680 mW/g; SAR(10 g) = 0.248 mW/g
Maximum value of SAR (measured) = 1.17 mW/g

802.11n HT20,Chain 1_Ch 64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.6 V/m; Power Drift = 0.154 dB
Peak SAR (extrapolated) = 2.89 W/kg
SAR(1 g) = 0.864 mW/g; SAR(10 g) = 0.310 mW/g
Maximum value of SAR (measured) = 1.52 mW/g



0 dB = 1.52mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 1/28/2012 6:24:23 PM

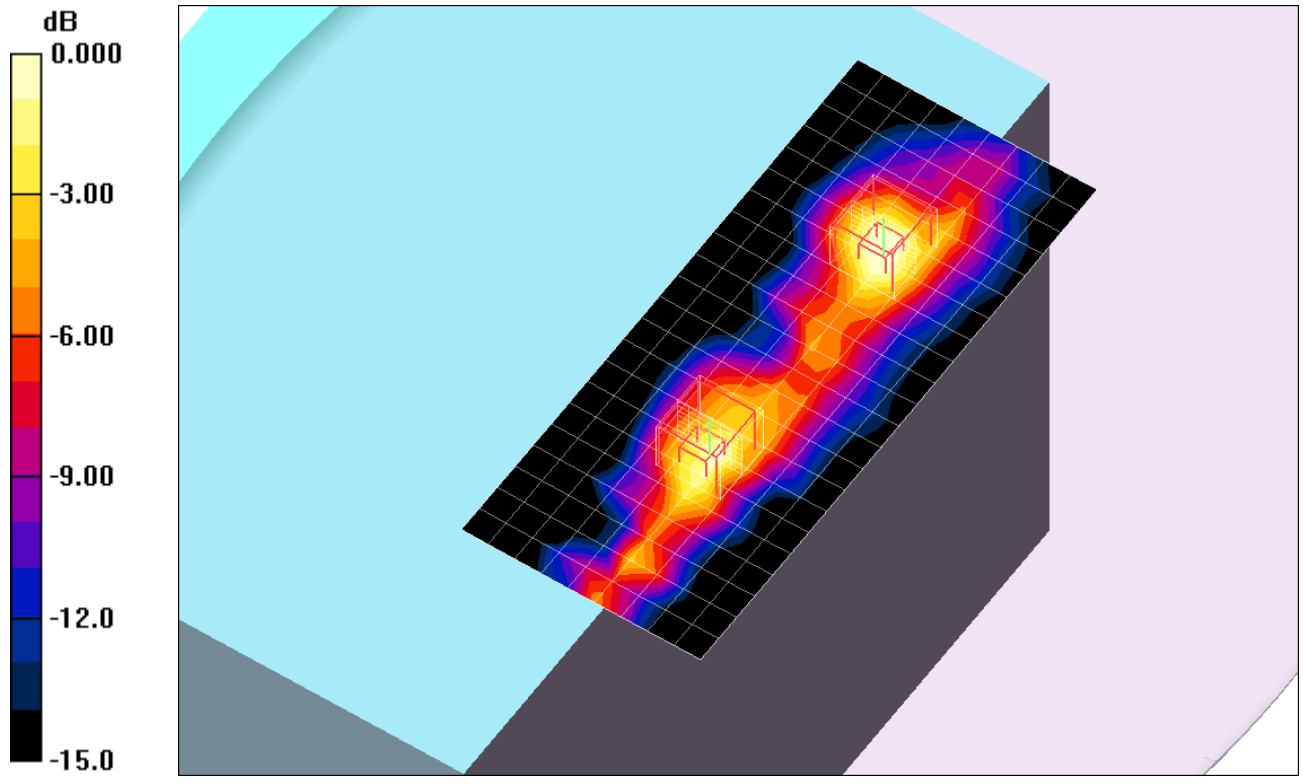
5GHz bands

Frequency: 5300 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5300 MHz; σ = 5.53 mho/m; ε_r = 48.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3773; ConvF(3.88, 3.88, 3.88); Calibrated: 5/3/2011
- 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:1003

802.11n HT20,Chain 0,2_Ch 60/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.04 mW/g

802.11n HT20,Chain 0_Ch 60/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.0 V/m; Power Drift = 0.012 dB
Peak SAR (extrapolated) = 2.23 W/kg
SAR(1 g) = 0.621 mW/g; SAR(10 g) = 0.218 mW/g
Maximum value of SAR (measured) = 1.06 mW/g

802.11n HT20,Chain 2_Ch 60/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.0 V/m; Power Drift = 0.012 dB
Peak SAR (extrapolated) = 1.68 W/kg
SAR(1 g) = 0.470 mW/g; SAR(10 g) = 0.149 mW/g
Maximum value of SAR (measured) = 0.805 mW/g



0 dB = 0.805mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 1/28/2012 5:43:50 PM

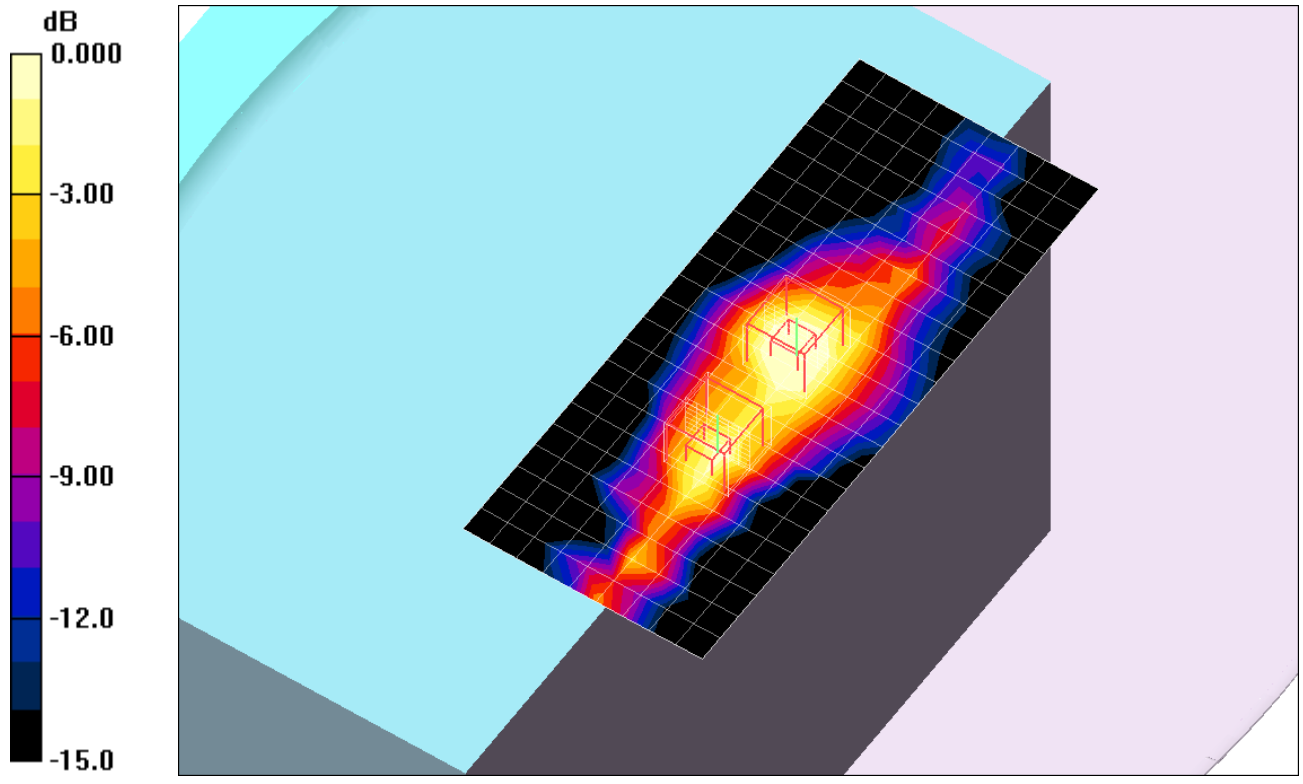
5GHz bands

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 = 5.47 mho/m; ε_r = 48.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3773; ConvF(3.88, 3.88, 3.88); Calibrated: 5/3/2011
- 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:1003

802.11n HT20,Chain 1,2_Ch 52/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.28 mW/g

802.11n HT20,Chain 1_Ch 52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.8 V/m; Power Drift = 0.174 dB
Peak SAR (extrapolated) = 2.78 W/kg
SAR(1 g) = 0.842 mW/g; SAR(10 g) = 0.301 mW/g
Maximum value of SAR (measured) = 1.45 mW/g

802.11n HT20,Chain 2_Ch 52/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.8 V/m; Power Drift = 0.174 dB
Peak SAR (extrapolated) = 1.80 W/kg
SAR(1 g) = 0.484 mW/g; SAR(10 g) = 0.153 mW/g
Maximum value of SAR (measured) = 0.824 mW/g



0 dB = 0.824mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 1/28/2012 4:08:22 PM

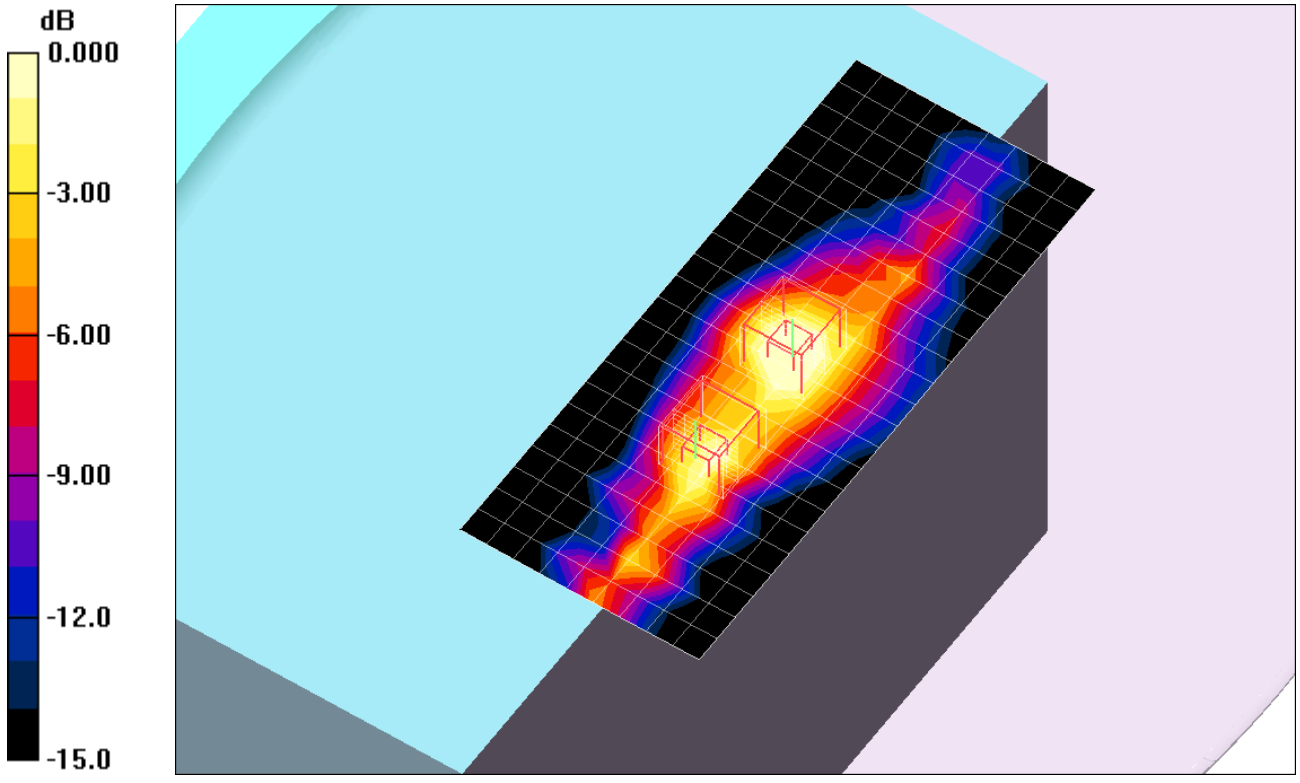
5GHz bands

Frequency: 5300 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5300 MHz; σ = 5.53 mho/m; ε_r = 48.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3773; ConvF(3.88, 3.88, 3.88); Calibrated: 5/3/2011
- 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:1003

802.11n HT20,Chain 1,2_Ch 60/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.39 mW/g

802.11n HT20,Chain 1_Ch 60/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.4 V/m; Power Drift = 0.143 dB
Peak SAR (extrapolated) = 3.12 W/kg
SAR(1 g) = 0.913 mW/g; SAR(10 g) = 0.322 mW/g
Maximum value of SAR (measured) = 1.57 mW/g

802.11n HT20,Chain 2_Ch 60/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.4 V/m; Power Drift = 0.143 dB
Peak SAR (extrapolated) = 1.90 W/kg
SAR(1 g) = 0.528 mW/g; SAR(10 g) = 0.172 mW/g
Maximum value of SAR (measured) = 0.927 mW/g



0 dB = 0.927mW/g

5GHz bands

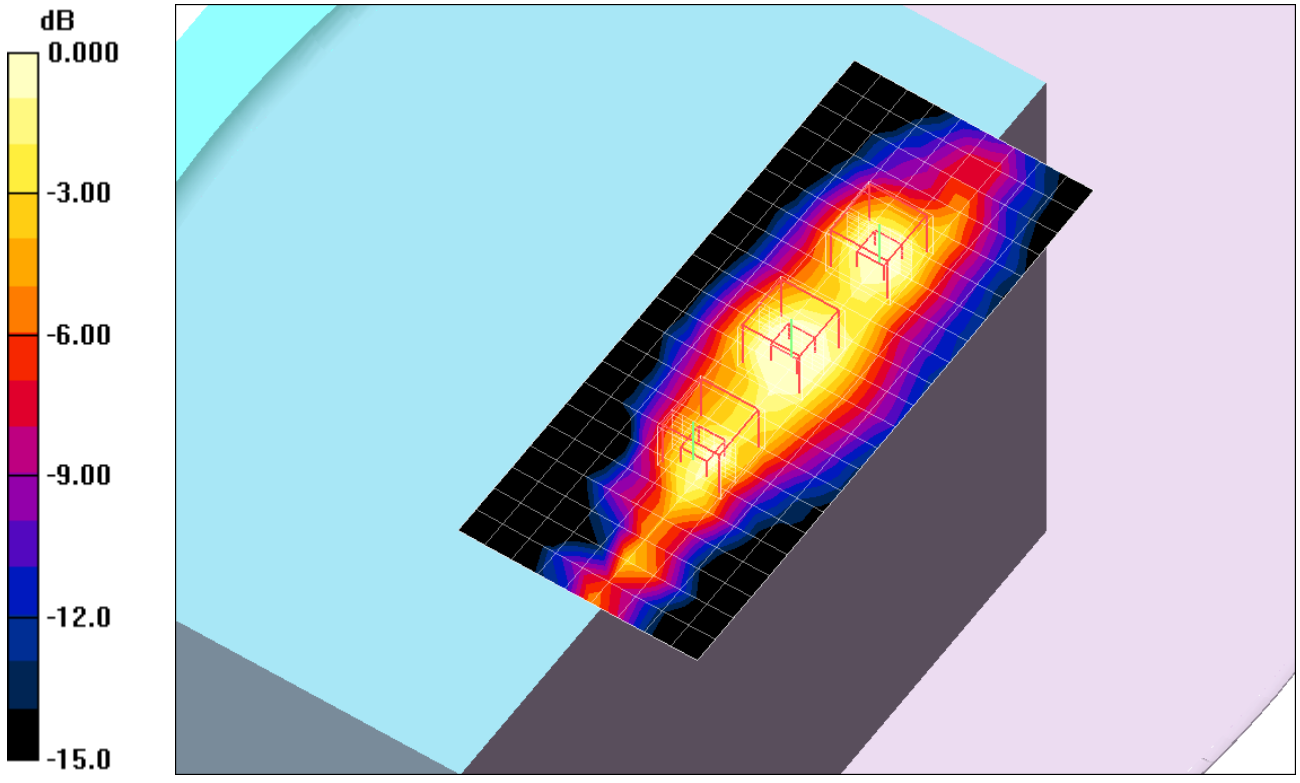
Frequency: 5260 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5260 MHz; σ = 5.47 mho/m; ε_r = 48.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3773; ConvF(3.88, 3.88, 3.88); Calibrated: 5/3/2011
- 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:1003

802.11n HT20,Chain 0,1,2_Ch 52/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.40 mW/g

802.11n HT20,Chain 0_Ch 52/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.8 V/m; Power Drift = 0.089 dB
Peak SAR (extrapolated) = 2.50 W/kg
SAR(1 g) = 0.722 mW/g; SAR(10 g) = 0.257 mW/g
Maximum value of SAR (measured) = 1.27 mW/g

802.11n HT20,Chain 1_Ch 52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.8 V/m; Power Drift = 0.089 dB
Peak SAR (extrapolated) = 3.11 W/kg
SAR(1 g) = 0.917 mW/g; SAR(10 g) = 0.336 mW/g
Maximum value of SAR (measured) = 1.57 mW/g

802.11n HT20,Chain 2_Ch 52/Zoom Scan (7x7x9)/Cube 2: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.8 V/m; Power Drift = 0.089 dB
Peak SAR (extrapolated) = 1.94 W/kg
SAR(1 g) = 0.550 mW/g; SAR(10 g) = 0.179 mW/g
Maximum value of SAR (measured) = 0.923 mW/g



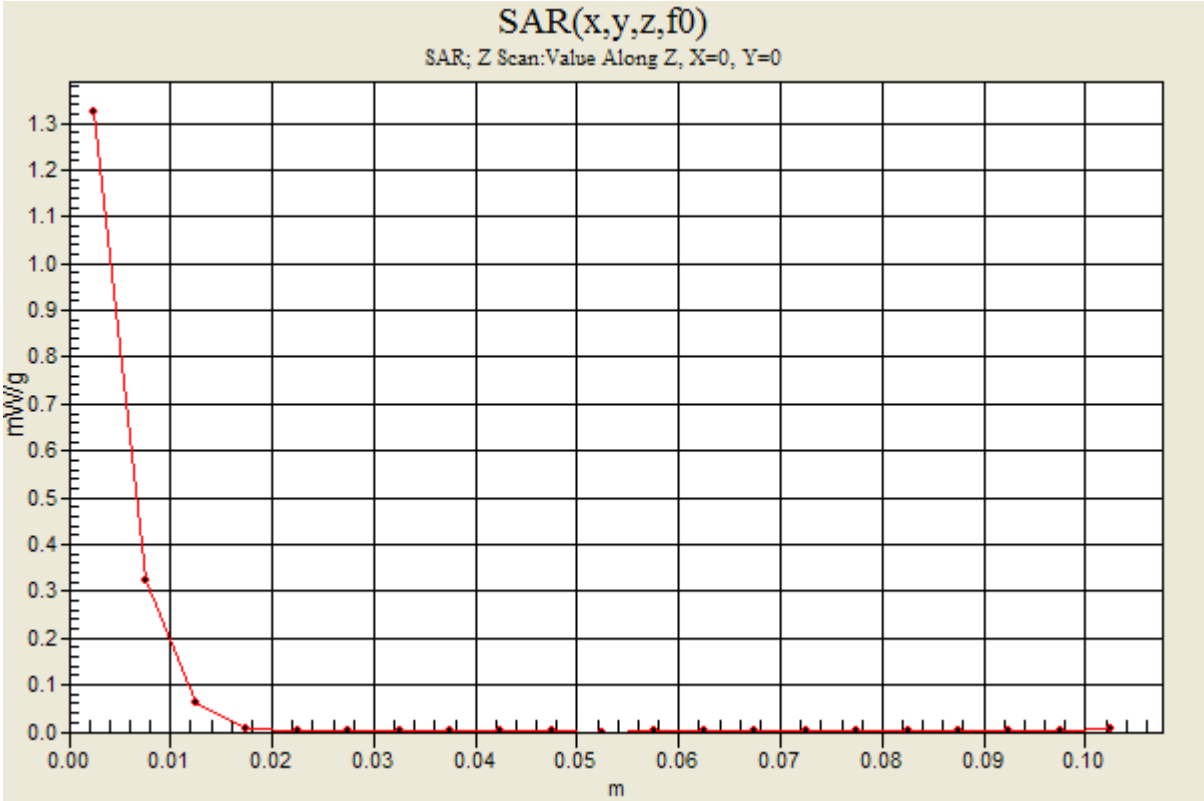
0 dB = 0.923mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 1/28/2012 1:29:59 PM

5GHz bands

Frequency: 5260 MHz; Duty Cycle: 1:1

802.11n HT20,Chain 0,1,2_Ch 52/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 1.32 mW/g



5GHz bands

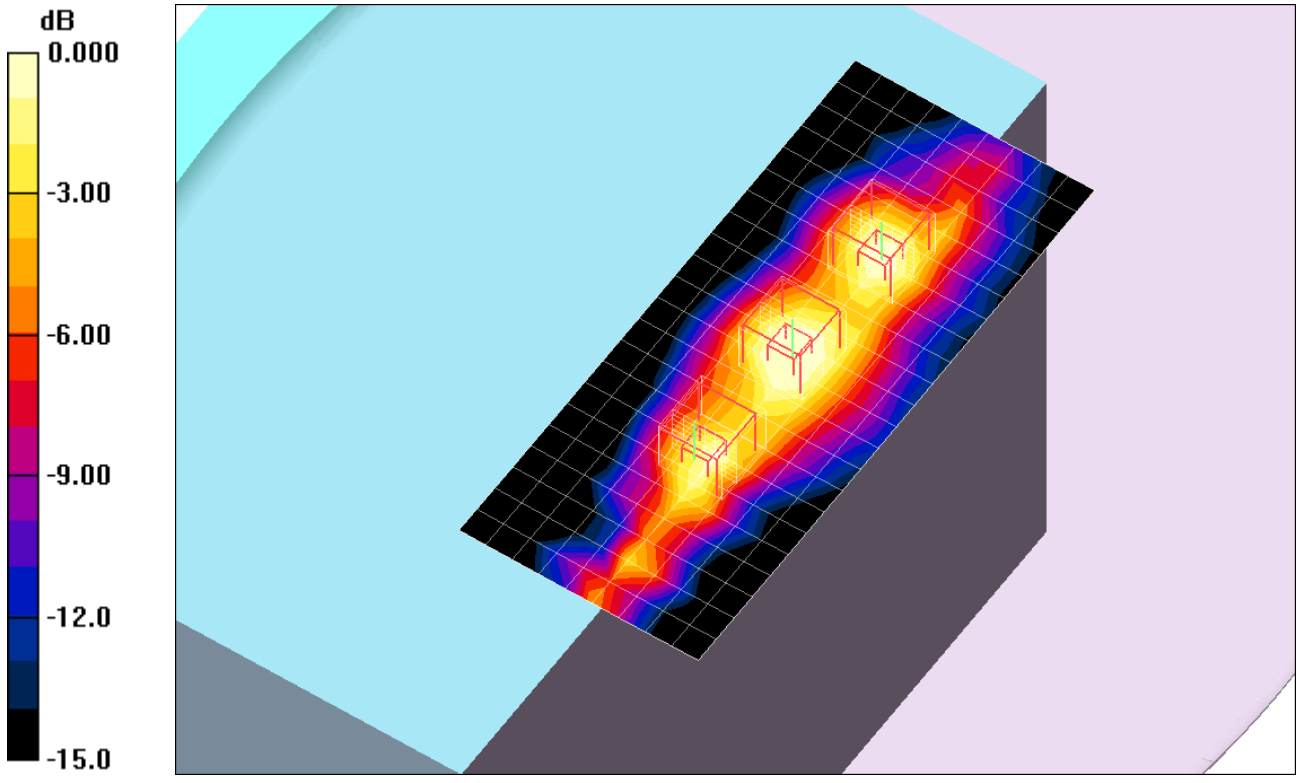
Frequency: 5300 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5300 MHz; σ = 5.53 mho/m; ε_r = 48.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3773; ConvF(3.88, 3.88, 3.88); Calibrated: 5/3/2011
- 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:1003

802.11n HT20,Chain 0,1,2_Ch 60/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.41 mW/g

802.11n HT20,Chain 0_Ch 60/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.7 V/m; Power Drift = 0.085 dB
Peak SAR (extrapolated) = 2.47 W/kg
SAR(1 g) = 0.712 mW/g; SAR(10 g) = 0.254 mW/g
Maximum value of SAR (measured) = 1.24 mW/g

802.11n HT20,Chain 1_Ch 60/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.7 V/m; Power Drift = 0.085 dB
Peak SAR (extrapolated) = 3.09 W/kg
SAR(1 g) = 0.916 mW/g; SAR(10 g) = 0.335 mW/g
Maximum value of SAR (measured) = 1.56 mW/g

802.11n HT20,Chain 2_Ch 60/Zoom Scan (7x7x9)/Cube 2: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.7 V/m; Power Drift = 0.085 dB
Peak SAR (extrapolated) = 2.21 W/kg
SAR(1 g) = 0.590 mW/g; SAR(10 g) = 0.192 mW/g
Maximum value of SAR (measured) = 1.02 mW/g



0 dB = 1.02mW/g

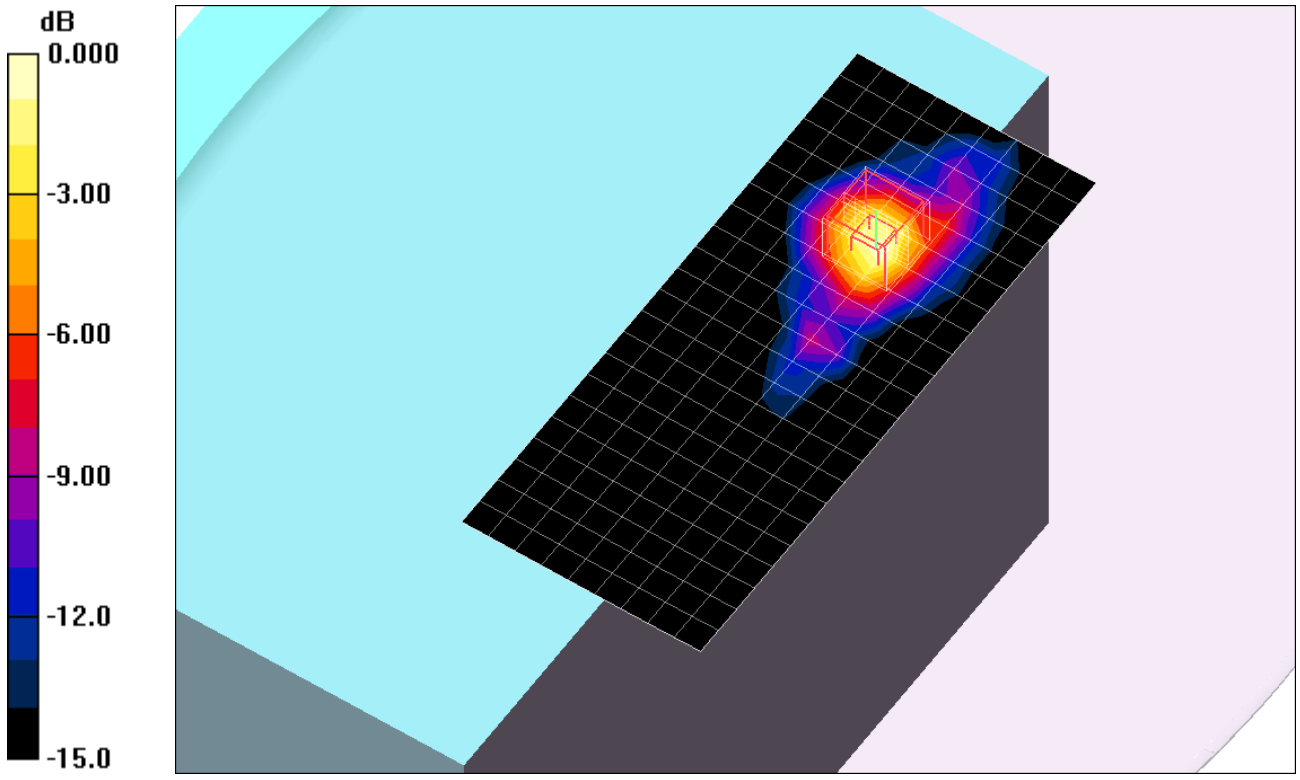
Test Laboratory: UL CCS SAR Lab D Date/Time: 2/1/2012 10:04:05 PM

5GHz bands

Frequency: 5500 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5500 MHz; σ = 5.75 mho/m; ε_r = 48.2; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3751; ConvF(3.57, 3.57, 3.57); Calibrated: 12/19/2011
- 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:1003

802.11a, Chain 0_Ch 100/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.54 mW/g

802.11a, Chain 0_Ch 100/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.3 V/m; Power Drift = 0.145 dB
Peak SAR (extrapolated) = 3.23 W/kg
SAR(1 g) = 0.891 mW/g; SAR(10 g) = 0.305 mW/g
Maximum value of SAR (measured) = 1.57 mW/g



0 dB = 1.57mW/g

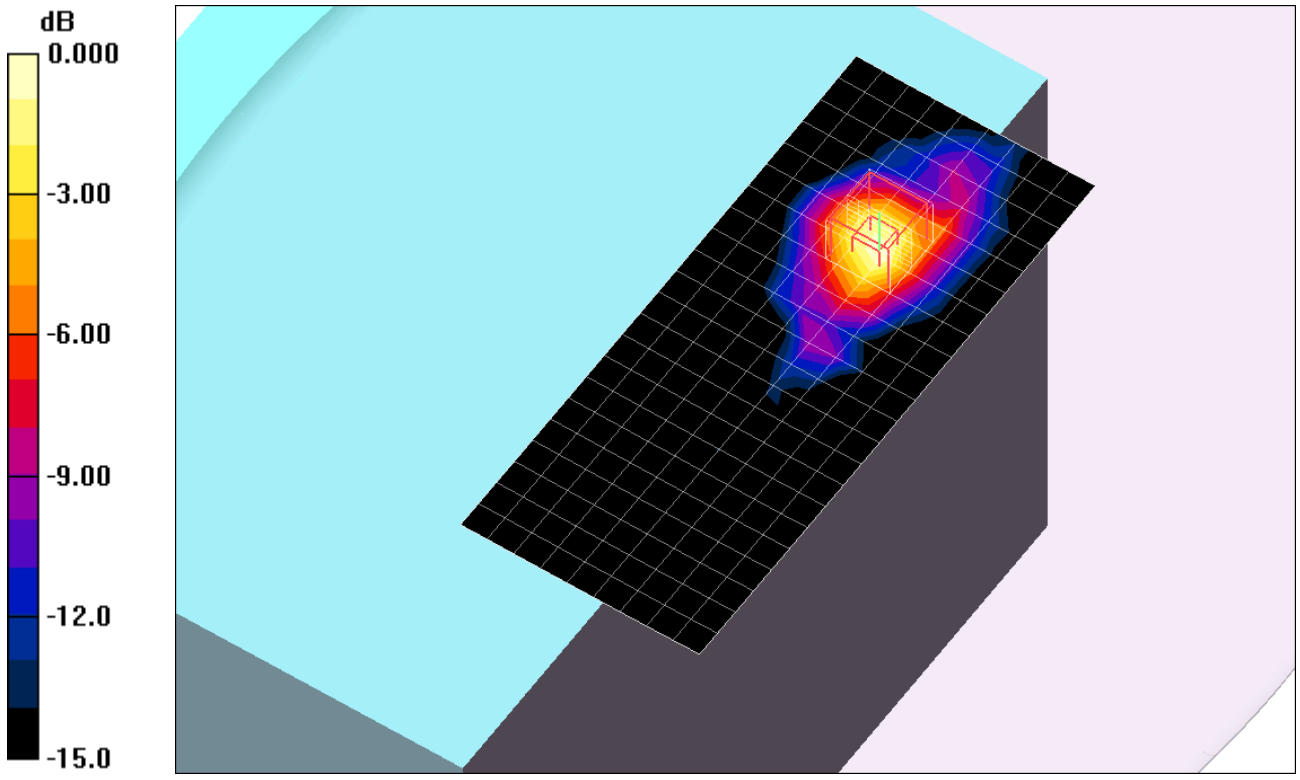
Test Laboratory: UL CCS SAR Lab D Date/Time: 2/1/2012 11:14:17 PM

5GHz bands

Frequency: 5600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5600 MHz; σ = 5.87 mho/m; ε_r = 48.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3751; ConvF(3.29, 3.29, 3.29); Calibrated: 12/19/2011
- 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:1003

802.11a, Chain 0_Ch 120/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.54 mW/g

802.11a, Chain 0_Ch 120/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.6 V/m; Power Drift = 0.149 dB
Peak SAR (extrapolated) = 3.22 W/kg
SAR(1 g) = 0.884 mW/g; SAR(10 g) = 0.313 mW/g
Maximum value of SAR (measured) = 1.53 mW/g



0 dB = 1.53mW/g

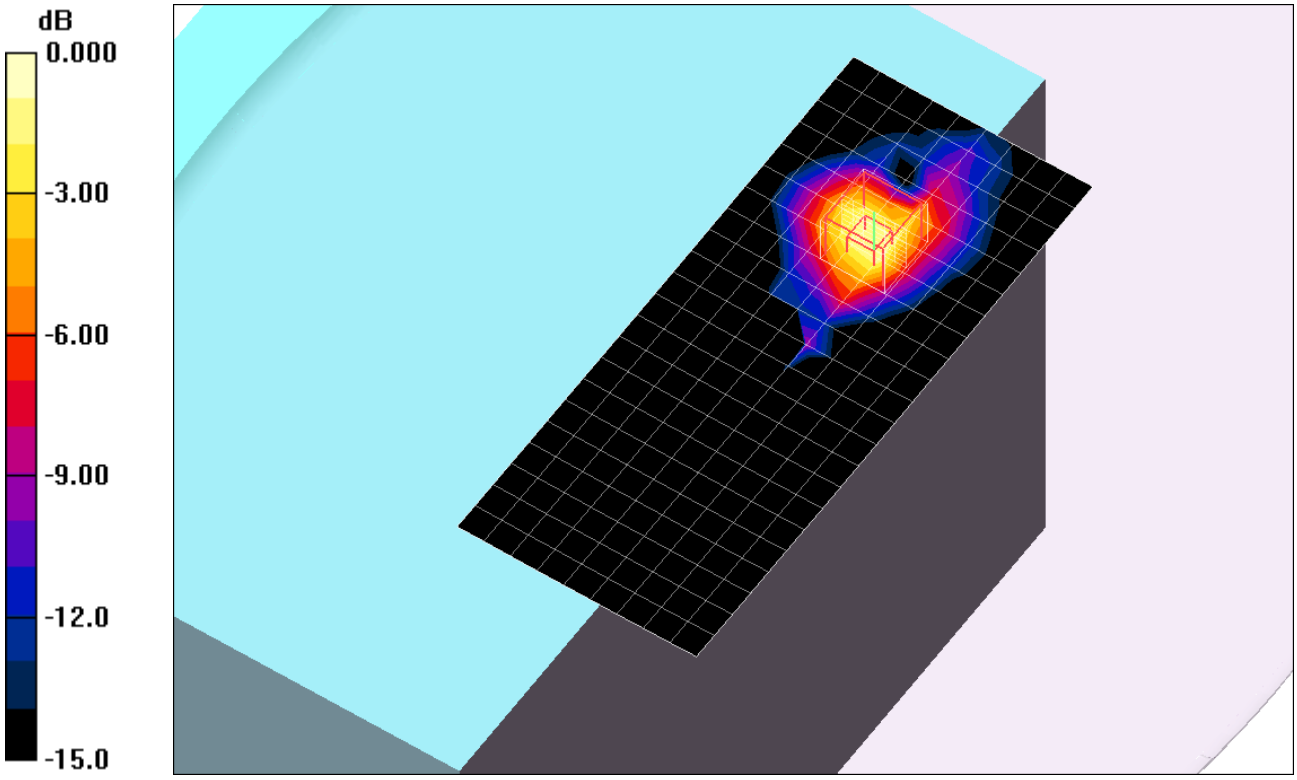
Test Laboratory: UL CCS SAR Lab D Date/Time: 2/15/2012 4:35:00 PM

5GHz bands

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 = 5.98 mho/m; ε_r = 50.6; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.57, 3.57, 3.57); Calibrated: 1/27/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003

802.11a ,Chain 0_Ch 124/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.08 mW/g

802.11a ,Chain 0_Ch 124/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.7 V/m; Power Drift = 0.178 dB
Peak SAR (extrapolated) = 2.64 W/kg
SAR(1 g) = 0.771 mW/g; SAR(10 g) = 0.264 mW/g
Maximum value of SAR (measured) = 1.36 mW/g



0 dB = 1.36mW/g

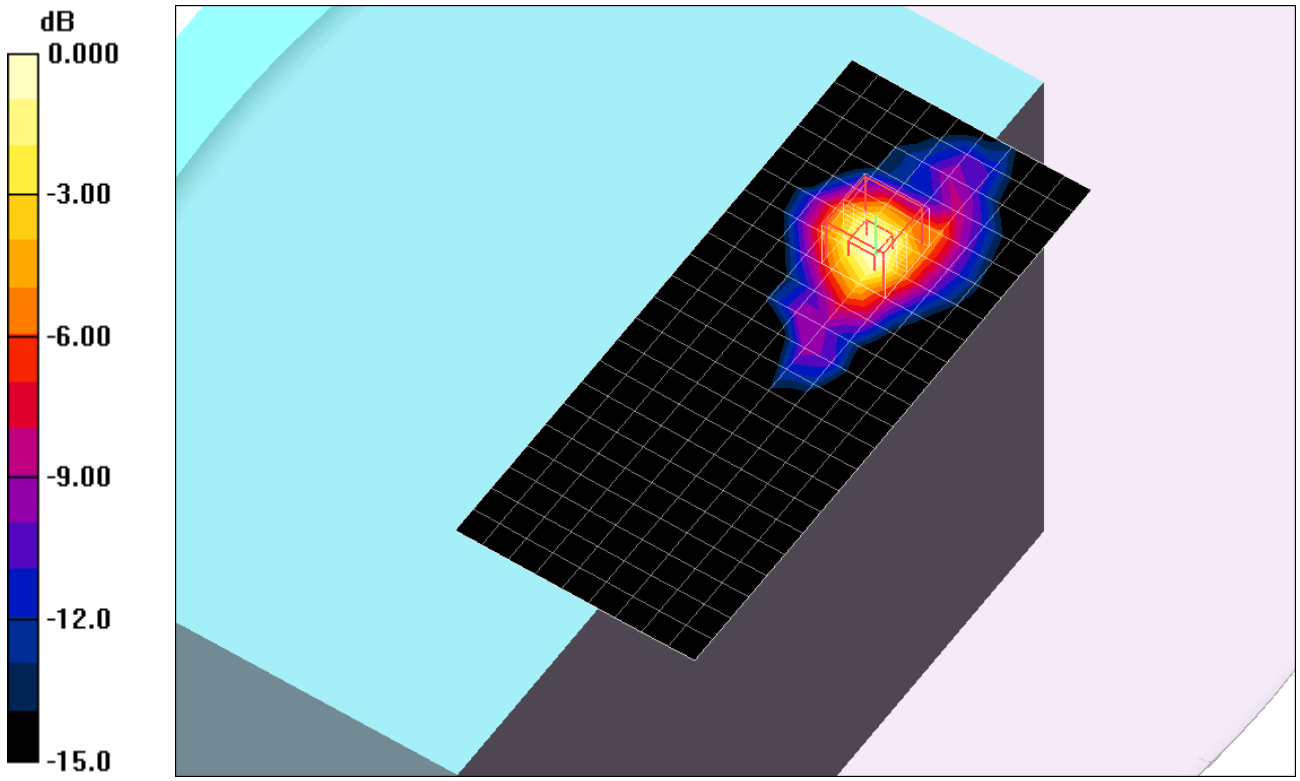
Test Laboratory: UL CCS SAR Lab D Date/Time: 2/1/2012 11:42:19 PM

5GHz bands

Frequency: 5700 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5700 MHz; σ = 6 mho/m; ε_r = 47.9; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3751; ConvF(3.29, 3.29, 3.29); Calibrated: 12/19/2011
- 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:1003

802.11a, Chain 0_Ch 140/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.31 mW/g

802.11a, Chain 0_Ch 140/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.2 V/m; Power Drift = 0.174 dB
Peak SAR (extrapolated) = 2.69 W/kg
SAR(1 g) = 0.744 mW/g; SAR(10 g) = 0.263 mW/g
Maximum value of SAR (measured) = 1.28 mW/g



0 dB = 1.28mW/g

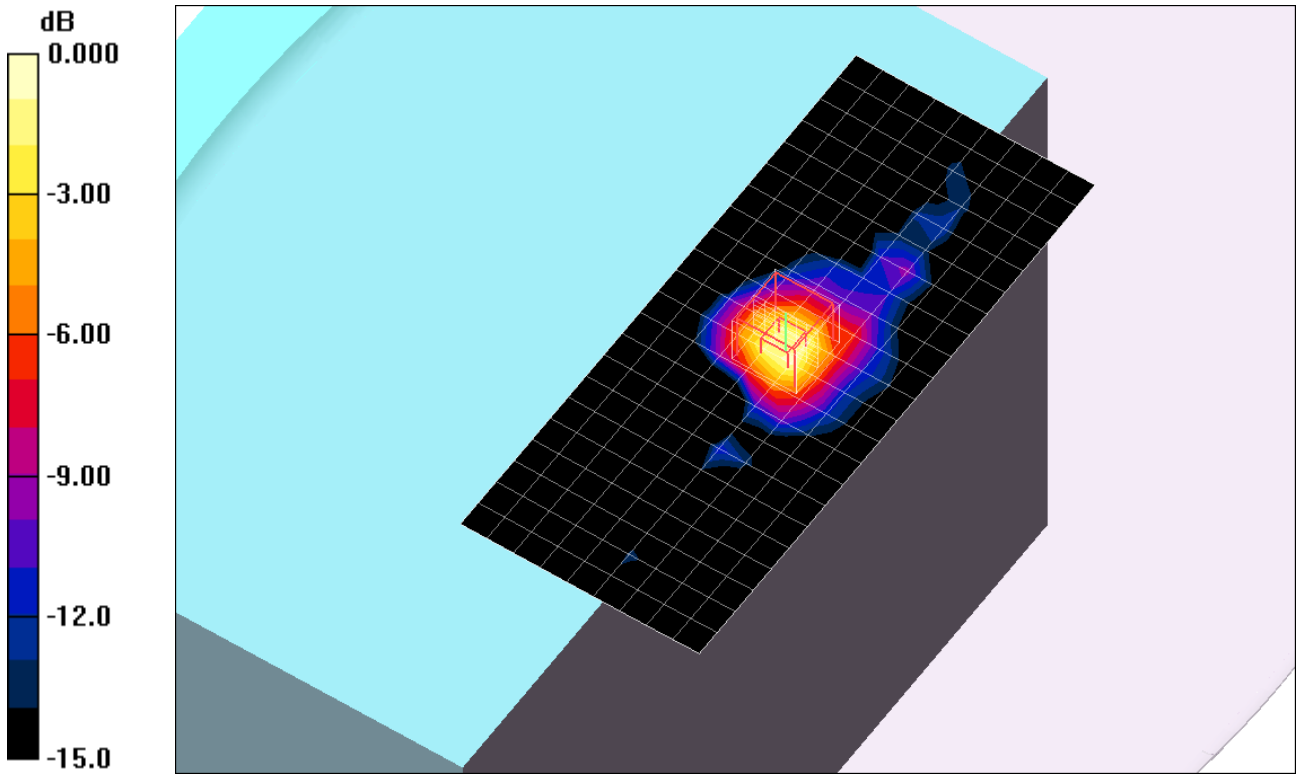
Test Laboratory: UL CCS SAR Lab D Date/Time: 2/1/2012 8:38:16 PM

5GHz bands

Frequency: 5500 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5500 MHz; σ = 5.75 mho/m; ε_r = 48.2; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3751; ConvF(3.57, 3.57, 3.57); Calibrated: 12/19/2011
- 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:1003

802.11a, Chain 1_Ch 100/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.54 mW/g

802.11a, Chain 1_Ch 100/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.8 V/m; Power Drift = 0.159 dB
Peak SAR (extrapolated) = 3.79 W/kg
SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.361 mW/g
Maximum value of SAR (measured) = 1.80 mW/g

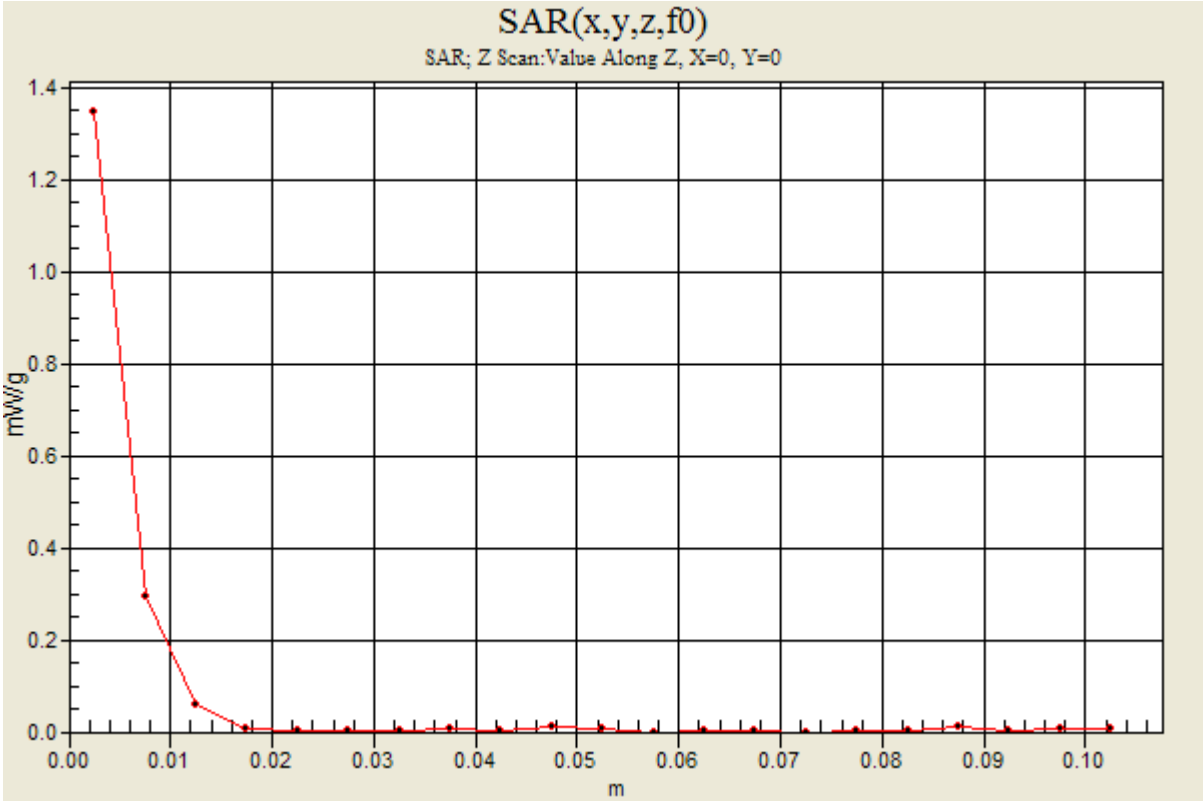


0 dB = 1.80mW/g

5GHz bands

Frequency: 5500 MHz; Duty Cycle: 1:1

802.11a, Chain 1_Ch 100/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 1.35 mW/g



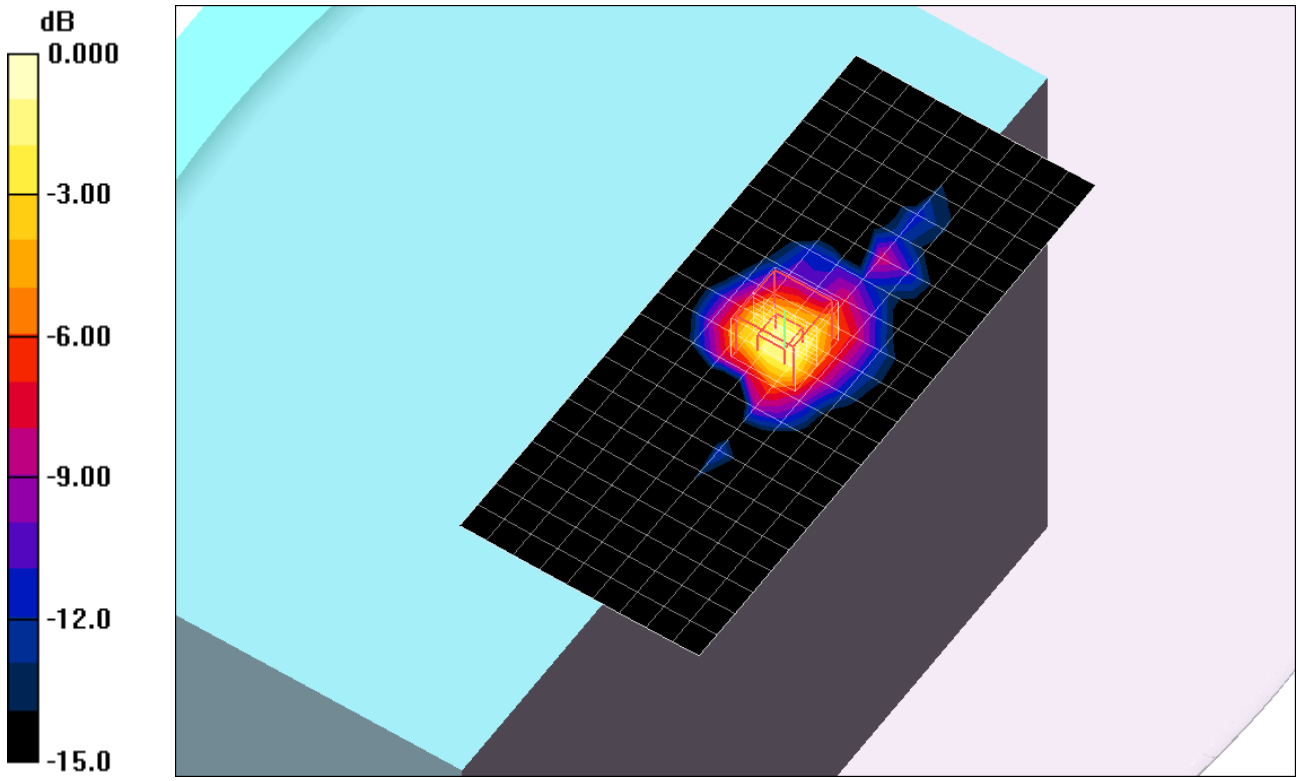
Test Laboratory: UL CCS SAR Lab D Date/Time: 2/15/2012 5:34:34 PM

5GHz bands

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 = 5.92 mho/m; ε_r = 50.7; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.57, 3.57, 3.57); Calibrated: 1/27/2012
- 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:1003

802.11a ,Chain 1_Ch 116/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.23 mW/g

802.11a ,Chain 1_Ch 116/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.0 V/m; Power Drift = -0.178 dB
Peak SAR (extrapolated) = 3.46 W/kg
SAR(1 g) = 0.987 mW/g; SAR(10 g) = 0.333 mW/g
Maximum value of SAR (measured) = 1.70 mW/g



0 dB = 1.70mW/g

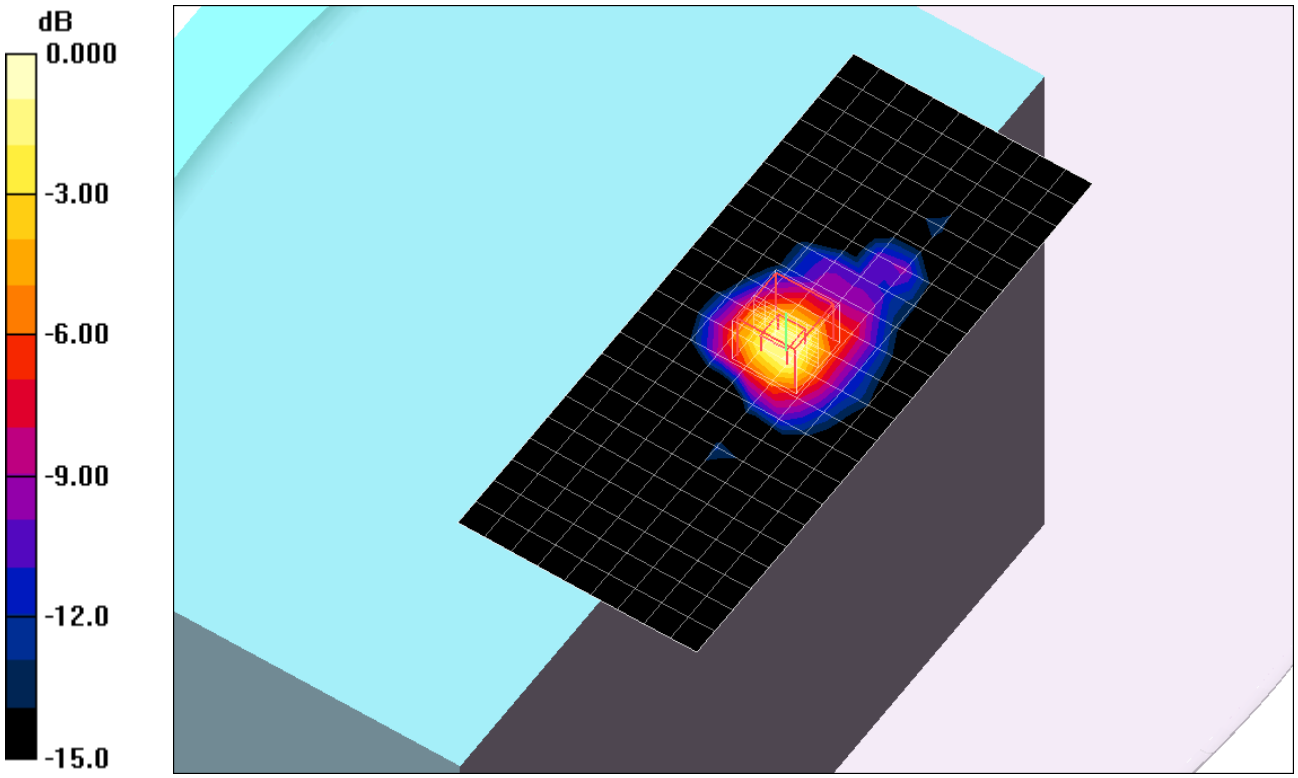
Test Laboratory: UL CCS SAR Lab D Date/Time: 2/1/2012 9:05:52 PM

5GHz bands

Frequency: 5600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5600 MHz; σ = 5.87 mho/m; ε_r = 48.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3751; ConvF(3.29, 3.29, 3.29); Calibrated: 12/19/2011
- 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:1003

802.11a, Chain 1_Ch 120/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.43 mW/g

802.11a, Chain 1_Ch 120/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.2 V/m; Power Drift = 0.143 dB
Peak SAR (extrapolated) = 3.51 W/kg
SAR(1 g) = 0.949 mW/g; SAR(10 g) = 0.319 mW/g
Maximum value of SAR (measured) = 1.70 mW/g



0 dB = 1.70mW/g

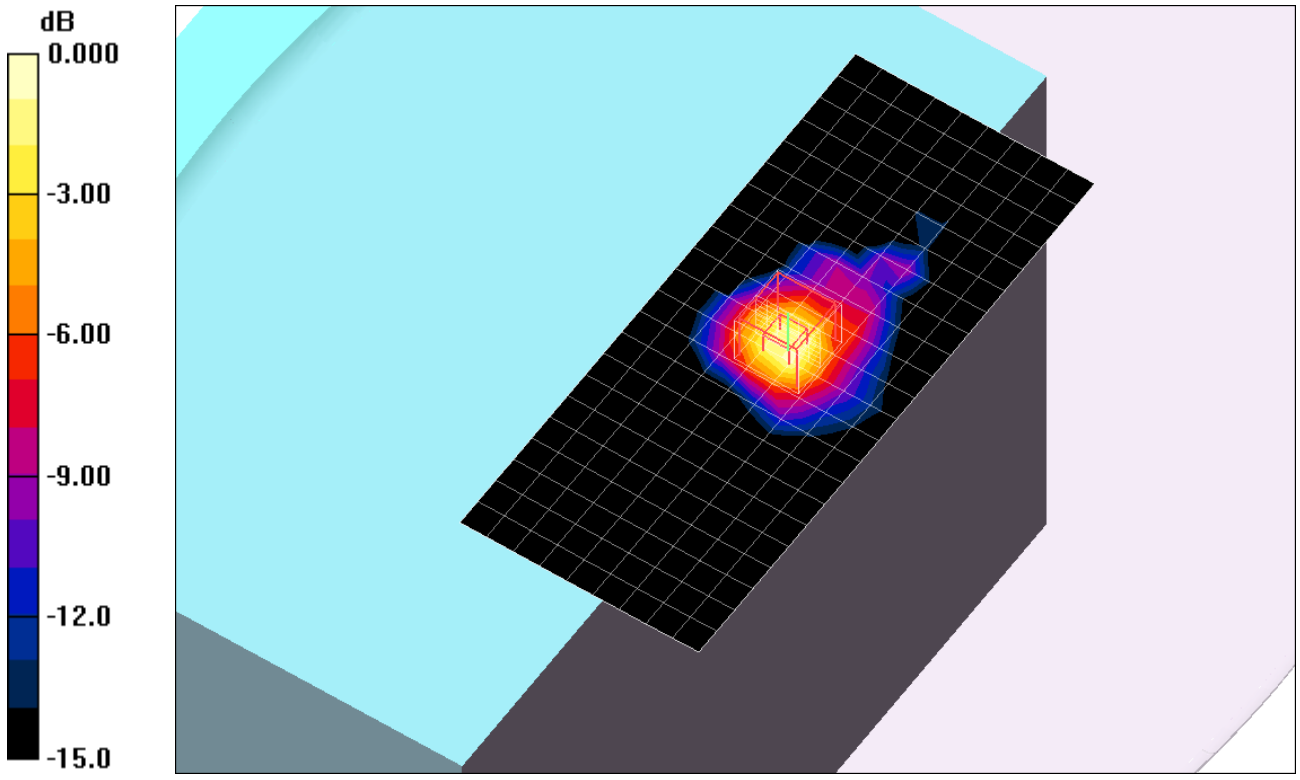
Test Laboratory: UL CCS SAR Lab D Date/Time: 2/1/2012 9:33:44 PM

5GHz bands

Frequency: 5700 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5700 MHz; σ = 6 mho/m; ε_r = 47.9; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3751; ConvF(3.29, 3.29, 3.29); Calibrated: 12/19/2011
- 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:1003

802.11a, Chain 1_Ch 140/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.29 mW/g

802.11a, Chain 1_Ch 140/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.1 V/m; Power Drift = 0.163 dB
Peak SAR (extrapolated) = 2.99 W/kg
SAR(1 g) = 0.835 mW/g; SAR(10 g) = 0.280 mW/g
Maximum value of SAR (measured) = 1.49 mW/g



0 dB = 1.49mW/g

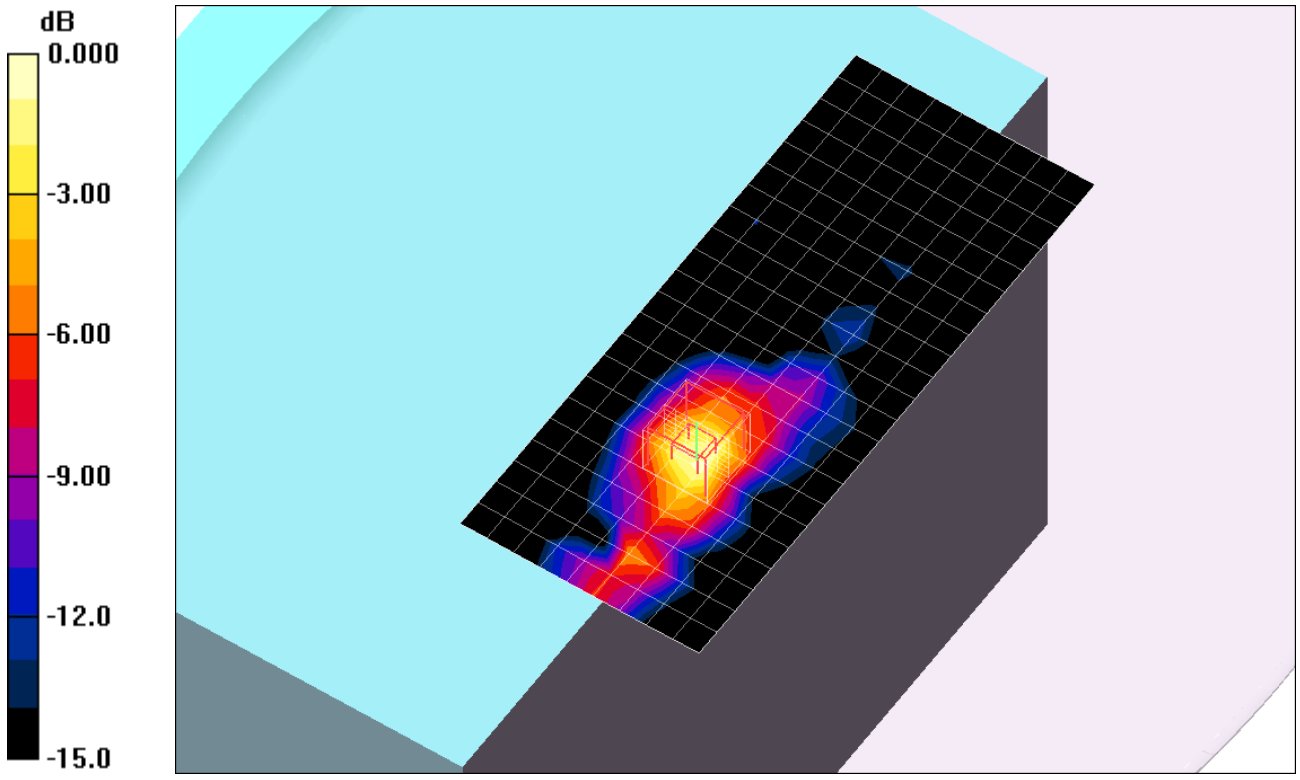
Test Laboratory: UL CCS SAR Lab D Date/Time: 2/1/2012 7:05:08 PM

5GHz bands

Frequency: 5500 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5500 MHz; σ = 5.75 mho/m; ε_r = 48.2; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3751; ConvF(3.57, 3.57, 3.57); Calibrated: 12/19/2011
- 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:1003

802.11a, Chain 2_Ch 100/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.11 mW/g

802.11a, Chain 2_Ch 100/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 13.4 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 2.65 W/kg
SAR(1 g) = 0.736 mW/g; SAR(10 g) = 0.244 mW/g
Maximum value of SAR (measured) = 1.25 mW/g



0 dB = 1.25mW/g

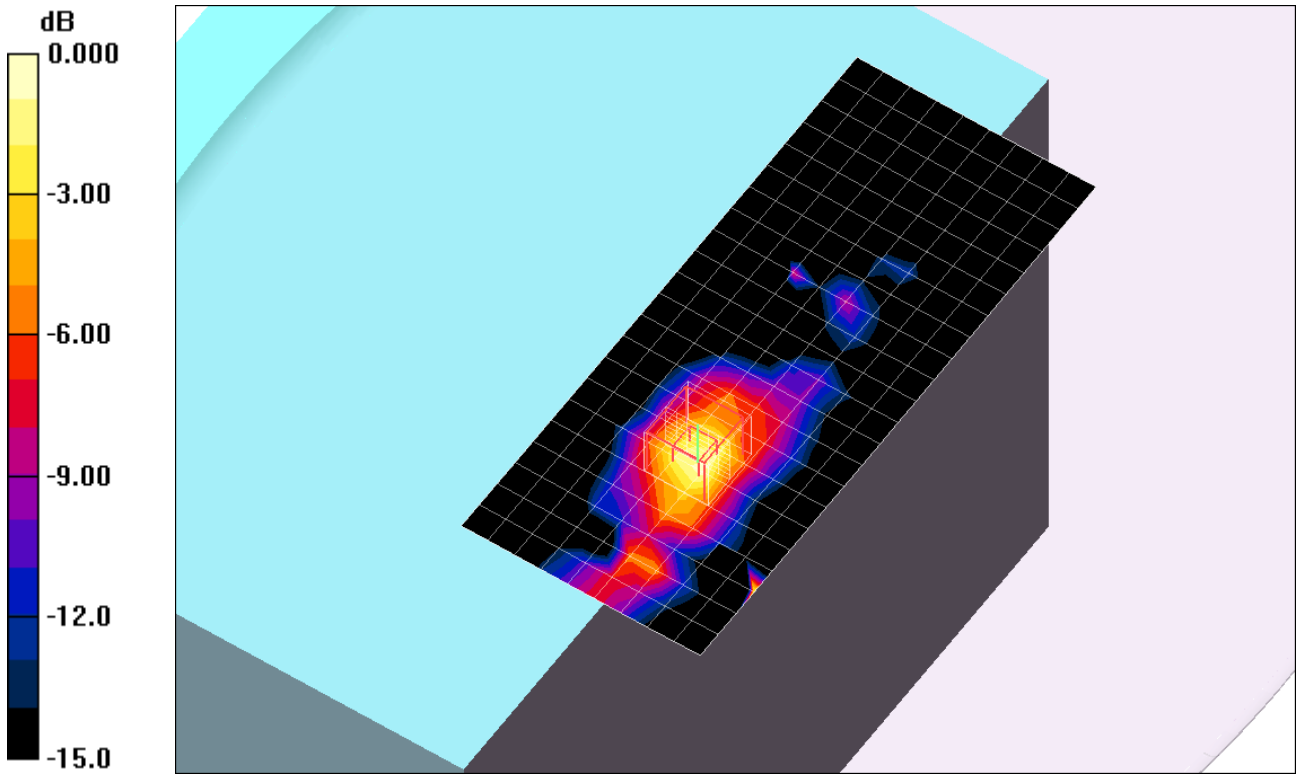
Test Laboratory: UL CCS SAR Lab D Date/Time: 2/1/2012 7:40:51 PM

5GHz bands

Frequency: 5600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5600 MHz; σ = 5.87 mho/m; ε_r = 48.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3751; ConvF(3.29, 3.29, 3.29); Calibrated: 12/19/2011
- 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:1003

802.11a, Chain 2_Ch 120/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.17 mW/g

802.11a, Chain 2_Ch 120/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 13.8 V/m; Power Drift = 0.138 dB
Peak SAR (extrapolated) = 2.78 W/kg
SAR(1 g) = 0.745 mW/g; SAR(10 g) = 0.235 mW/g
Maximum value of SAR (measured) = 1.31 mW/g



0 dB = 1.31mW/g

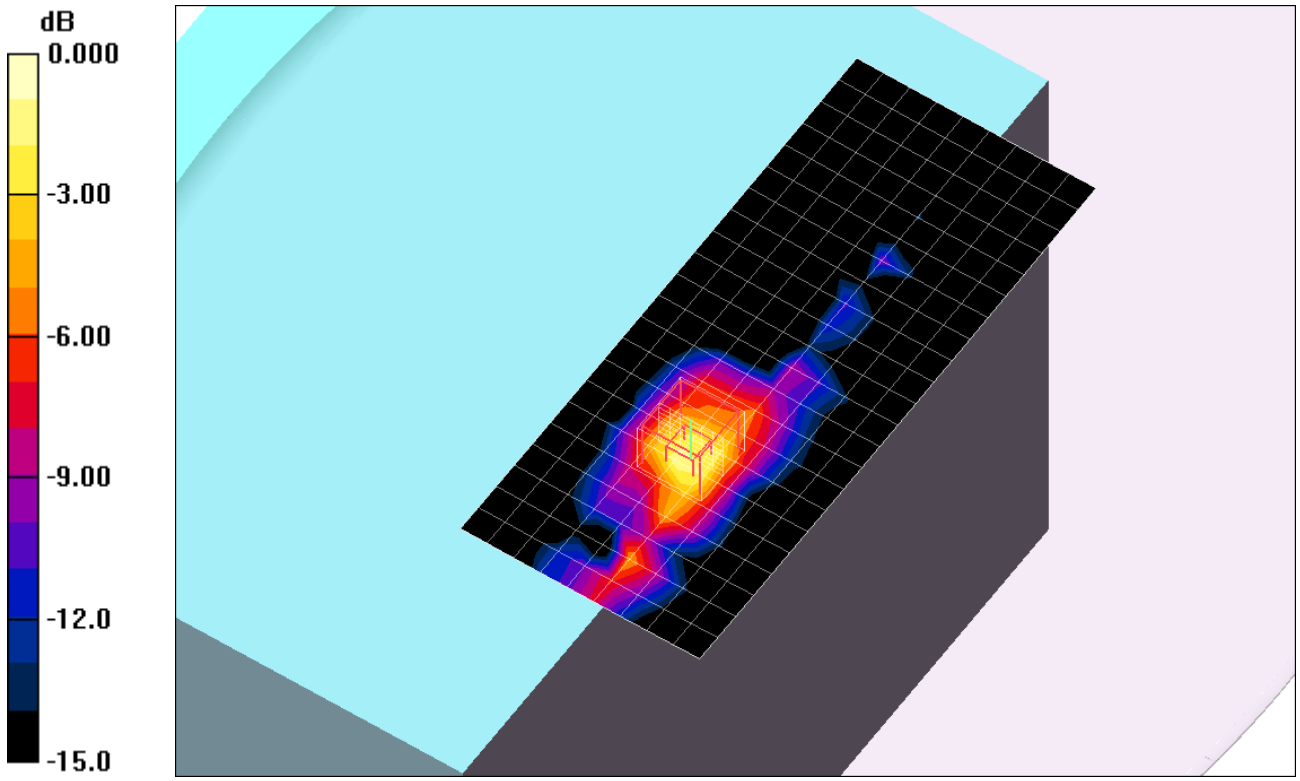
Test Laboratory: UL CCS SAR Lab D Date/Time: 2/15/2012 6:23:44 PM

5GHz bands

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 = 5.98 mho/m; ε_r = 50.6; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.57, 3.57, 3.57); Calibrated: 1/27/2012
- 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:1003

802.11a ,Chain 2_Ch 124/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.907 mW/g

802.11a ,Chain 2_Ch 124/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.3 V/m; Power Drift = -0.177 dB
Peak SAR (extrapolated) = 2.49 W/kg
SAR(1 g) = 0.670 mW/g; SAR(10 g) = 0.212 mW/g
Maximum value of SAR (measured) = 1.22 mW/g



0 dB = 1.22mW/g

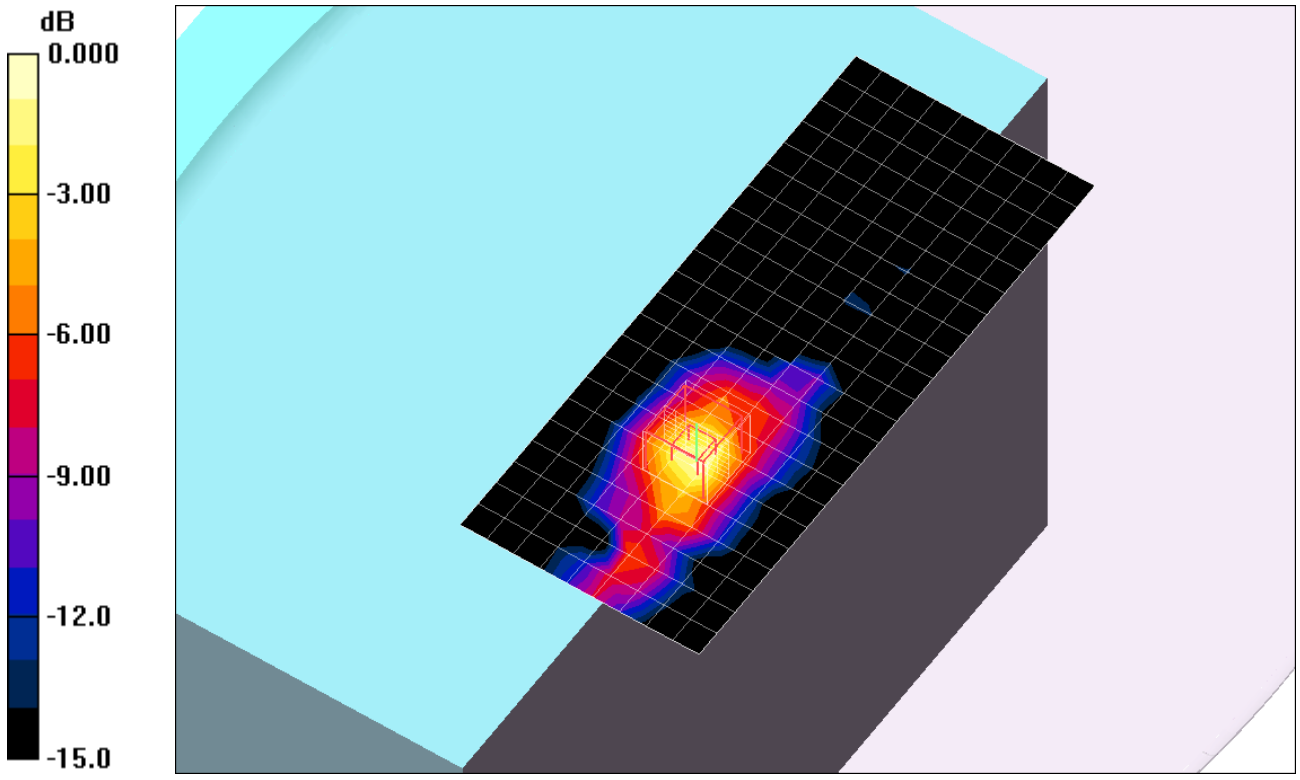
Test Laboratory: UL CCS SAR Lab D Date/Time: 2/1/2012 8:09:03 PM

5GHz bands

Frequency: 5700 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5700 MHz; σ = 6 mho/m; ε_r = 47.9; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3751; ConvF(3.29, 3.29, 3.29); Calibrated: 12/19/2011
- 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:1003

802.11a, Chain 2_Ch 140/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.03 mW/g

802.11a, Chain 2_Ch 140/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 12.8 V/m; Power Drift = 0.125 dB
Peak SAR (extrapolated) = 2.58 W/kg
SAR(1 g) = 0.658 mW/g; SAR(10 g) = 0.204 mW/g
Maximum value of SAR (measured) = 1.16 mW/g



0 dB = 1.16mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 2/1/2012 4:03:30 PM

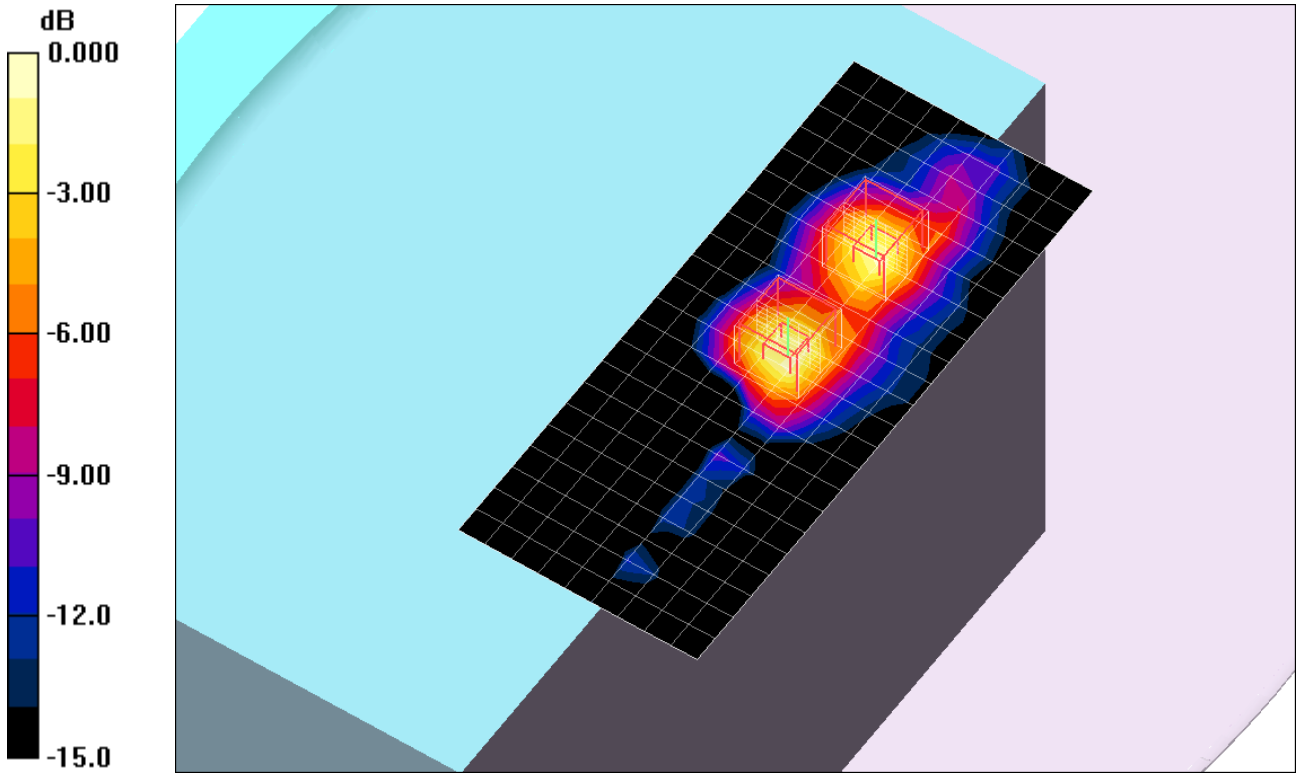
5GHz bands

Frequency: 5500 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5500 MHz; σ = 5.75 mho/m; ε_r = 48.2; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3751; ConvF(3.57, 3.57, 3.57); Calibrated: 12/19/2011
- 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:1003

802.11n HT20,Chain 0,1_Ch 100/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.53 mW/g

802.11n HT20,Chain 0_Ch 100/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.6 V/m; Power Drift = 0.141 dB
Peak SAR (extrapolated) = 2.95 W/kg
SAR(1 g) = 0.844 mW/g; SAR(10 g) = 0.299 mW/g
Maximum value of SAR (measured) = 1.46 mW/g

802.11n HT20,Chain 1_Ch 100/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.6 V/m; Power Drift = 0.141 dB
Peak SAR (extrapolated) = 3.57 W/kg
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.356 mW/g
Maximum value of SAR (measured) = 1.75 mW/g



0 dB = 1.75mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 2/1/2012 5:43:29 PM

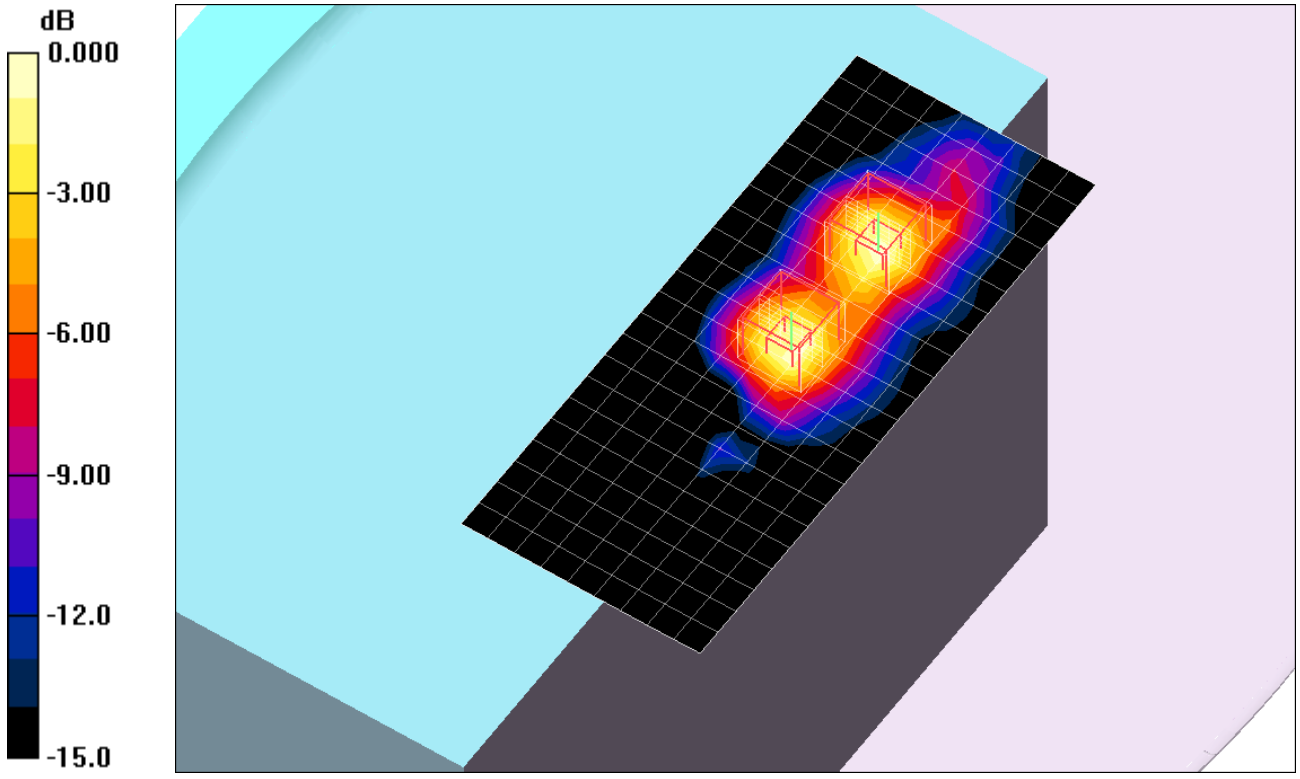
5GHz bands

Frequency: 5600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5600 MHz; σ = 5.87 mho/m; ε_r = 48.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3751; ConvF(3.29, 3.29, 3.29); Calibrated: 12/19/2011
- 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:1003

802.11n HT20,Chain 0,1_Ch 120/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.67 mW/g

802.11n HT20,Chain 0_Ch 120/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 17.4 V/m; Power Drift = 0.114 dB
Peak SAR (extrapolated) = 3.19 W/kg
SAR(1 g) = 0.926 mW/g; SAR(10 g) = 0.338 mW/g
Maximum value of SAR (measured) = 1.59 mW/g

802.11n HT20,Chain 1_Ch 120/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 17.4 V/m; Power Drift = 0.114 dB
Peak SAR (extrapolated) = 3.32 W/kg
SAR(1 g) = 0.963 mW/g; SAR(10 g) = 0.338 mW/g
Maximum value of SAR (measured) = 1.68 mW/g



0 dB = 1.68mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 2/1/2012 6:23:15 PM

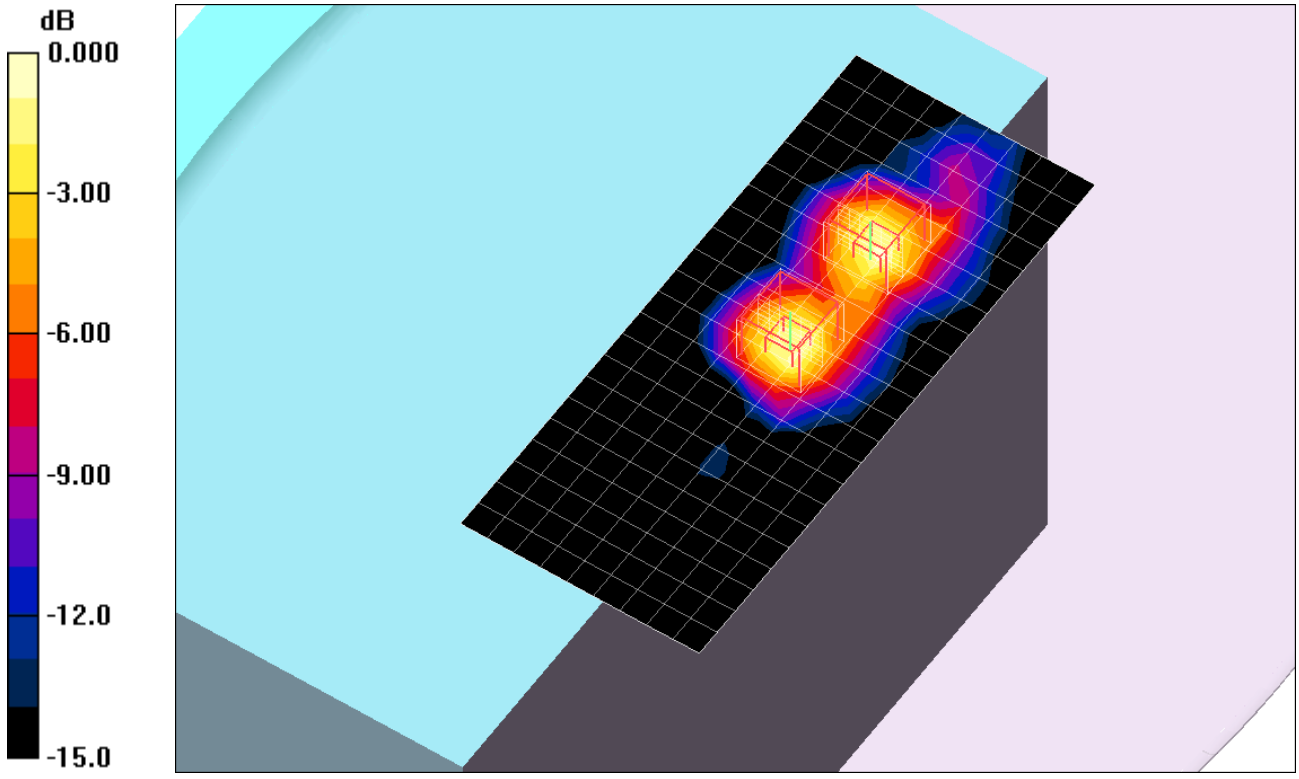
5GHz bands

Frequency: 5700 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5700 MHz; σ = 6 mho/m; ε_r = 47.9; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3751; ConvF(3.29, 3.29, 3.29); Calibrated: 12/19/2011
- 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:1003

802.11n HT20,Chain 0,1_Ch 140/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.34 mW/g

802.11n HT20,Chain 0_Ch 140/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.6 V/m; Power Drift = 0.112 dB
Peak SAR (extrapolated) = 2.73 W/kg
SAR(1 g) = 0.763 mW/g; SAR(10 g) = 0.276 mW/g
Maximum value of SAR (measured) = 1.30 mW/g

802.11n HT20,Chain 1_Ch 140/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.6 V/m; Power Drift = 0.112 dB
Peak SAR (extrapolated) = 2.95 W/kg
SAR(1 g) = 0.803 mW/g; SAR(10 g) = 0.281 mW/g
Maximum value of SAR (measured) = 1.46 mW/g



0 dB = 1.46mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 2/1/2012 2:04:08 PM

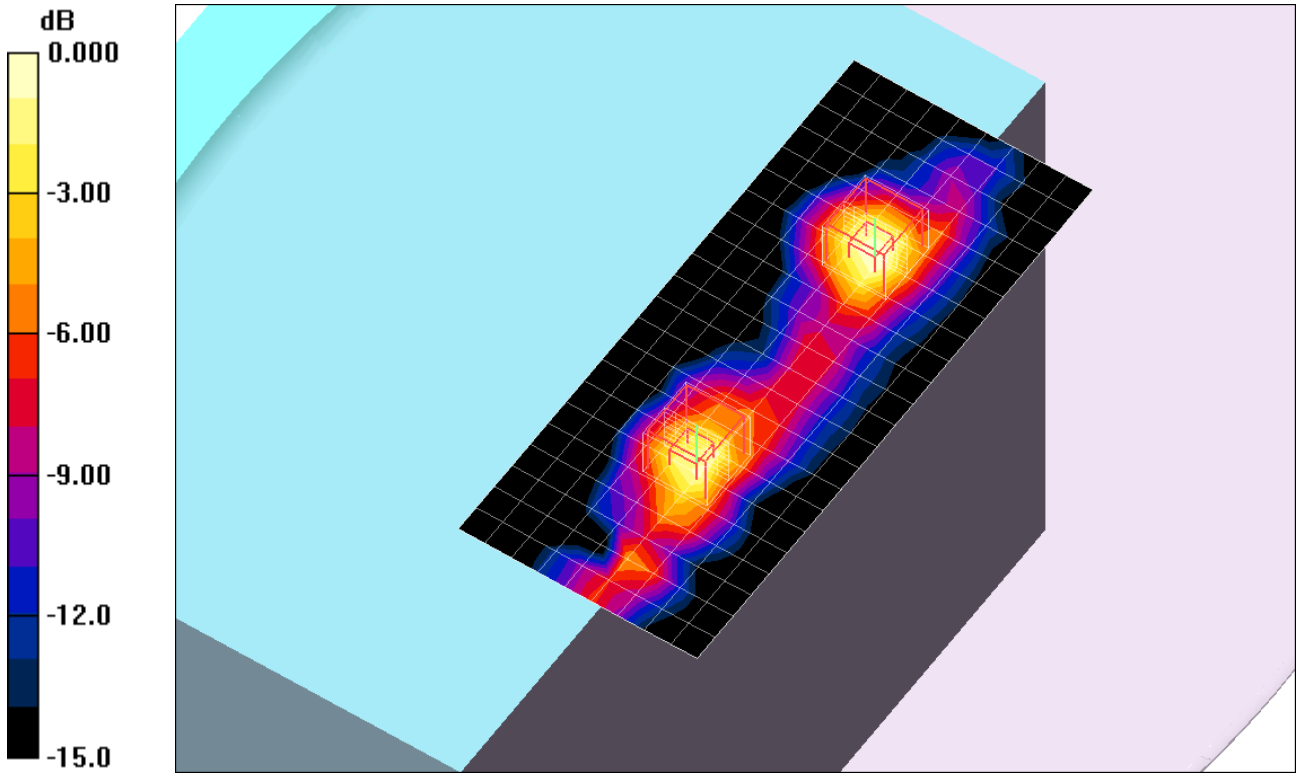
5GHz bands

Frequency: 5500 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5500 MHz; σ = 5.75 mho/m; ε_r = 48.2; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3751; ConvF(3.57, 3.57, 3.57); Calibrated: 12/19/2011
- 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:1003

802.11n HT20,Chain 0,2_Ch 100/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.34 mW/g

802.11n HT20,Chain 0_Ch 100/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.4 V/m; Power Drift = 0.186 dB
Peak SAR (extrapolated) = 2.74 W/kg
SAR(1 g) = 0.751 mW/g; SAR(10 g) = 0.264 mW/g
Maximum value of SAR (measured) = 1.30 mW/g

802.11n HT20,Chain 2_Ch 100/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.4 V/m; Power Drift = 0.186 dB
Peak SAR (extrapolated) = 2.55 W/kg
SAR(1 g) = 0.676 mW/g; SAR(10 g) = 0.220 mW/g
Maximum value of SAR (measured) = 1.20 mW/g



0 dB = 1.20mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 2/1/2012 2:43:11 PM

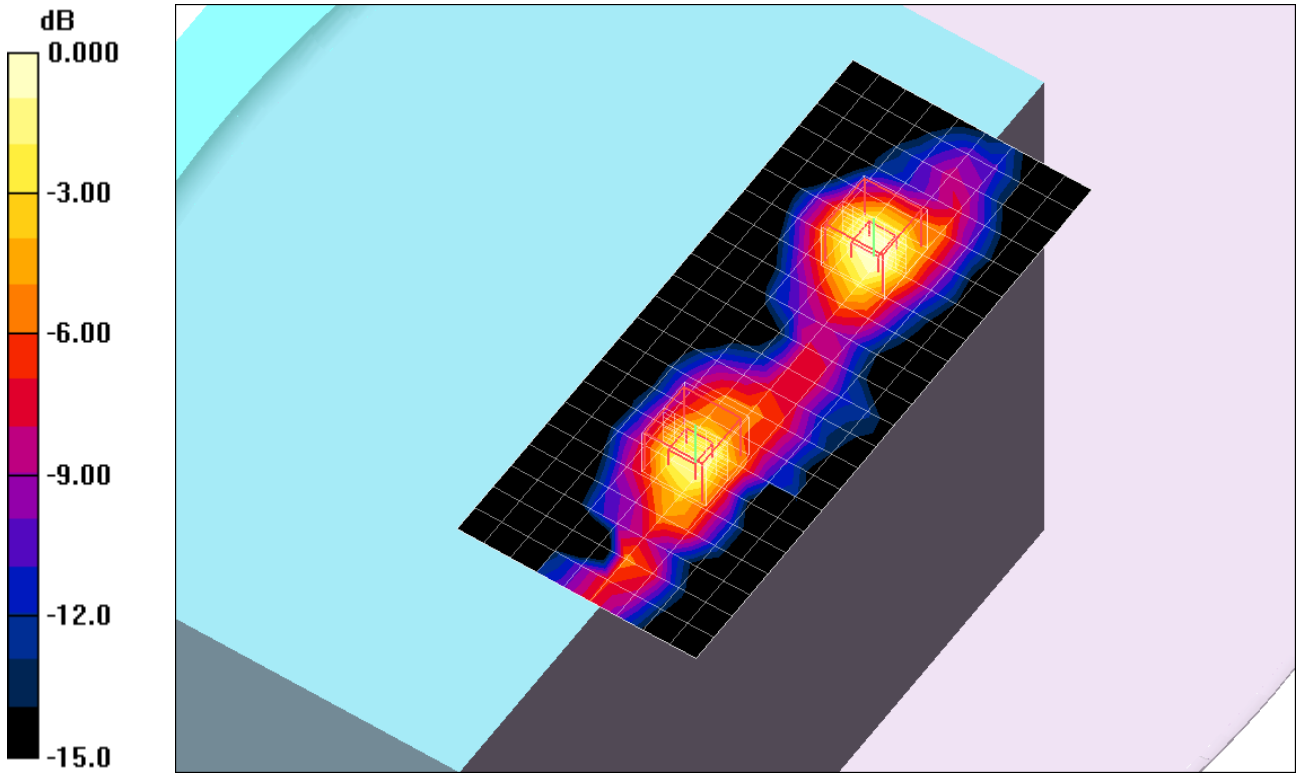
5GHz bands

Frequency: 5600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5600 MHz; σ = 5.87 mho/m; ε_r = 48.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3751; ConvF(3.29, 3.29, 3.29); Calibrated: 12/19/2011
- 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:1003

802.11n HT20,Chain 0,2_Ch 120/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.55 mW/g

802.11n HT20,Chain 0_Ch 120/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.4 V/m; Power Drift = 0.105 dB
Peak SAR (extrapolated) = 6.39 W/kg
SAR(1 g) = 0.823 mW/g; SAR(10 g) = 0.273 mW/g
Maximum value of SAR (measured) = 1.51 mW/g

802.11n HT20,Chain 2_Ch 120/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.4 V/m; Power Drift = 0.105 dB
Peak SAR (extrapolated) = 2.77 W/kg
SAR(1 g) = 0.745 mW/g; SAR(10 g) = 0.244 mW/g
Maximum value of SAR (measured) = 1.35 mW/g



0 dB = 1.35mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 2/1/2012 3:23:20 PM

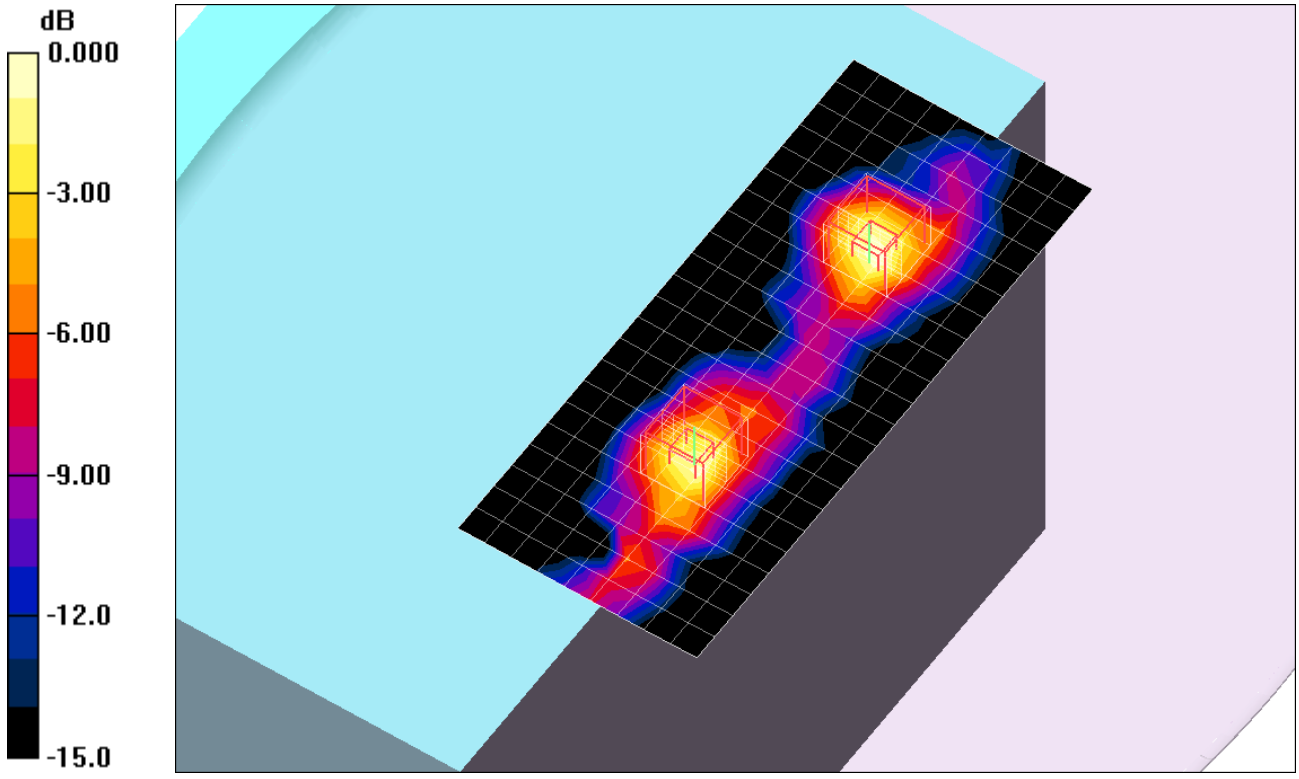
5GHz bands

Frequency: 5700 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5700 MHz; σ = 6 mho/m; ε_r = 47.9; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3751; ConvF(3.29, 3.29, 3.29); Calibrated: 12/19/2011
- 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:1003

802.11n HT20,Chain 0,2_Ch 140/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.24 mW/g

802.11n HT20,Chain 0_Ch 140/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.6 V/m; Power Drift = 0.179 dB
Peak SAR (extrapolated) = 2.43 W/kg
SAR(1 g) = 0.679 mW/g; SAR(10 g) = 0.243 mW/g
Maximum value of SAR (measured) = 1.19 mW/g

802.11n HT20,Chain 2_Ch 140/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.6 V/m; Power Drift = 0.179 dB
Peak SAR (extrapolated) = 2.66 W/kg
SAR(1 g) = 0.688 mW/g; SAR(10 g) = 0.217 mW/g
Maximum value of SAR (measured) = 1.22 mW/g



0 dB = 1.22mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 2/1/2012 12:02:23 PM

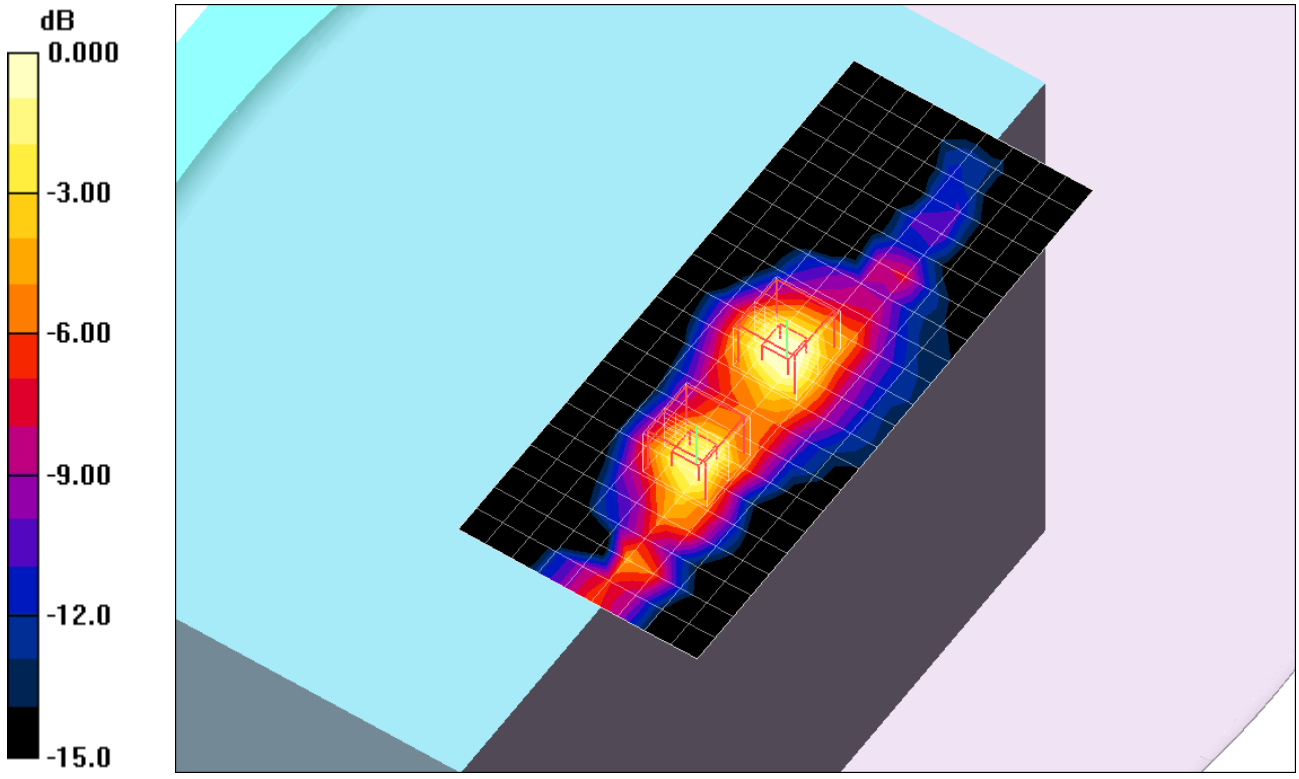
5GHz bands

Frequency: 5500 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5500 MHz; σ = 5.75 mho/m; ε_r = 48.2; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3751; ConvF(3.57, 3.57, 3.57); Calibrated: 12/19/2011
- 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:1003

802.11n HT20,Chain 1,2_Ch 100/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.32 mW/g

802.11n HT20,Chain 1_Ch 100/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.5 V/m; Power Drift = 0.171 dB
Peak SAR (extrapolated) = 3.01 W/kg
SAR(1 g) = 0.836 mW/g; SAR(10 g) = 0.288 mW/g
Maximum value of SAR (measured) = 1.46 mW/g

802.11n HT20,Chain 2_Ch 100/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.5 V/m; Power Drift = 0.171 dB
Peak SAR (extrapolated) = 2.54 W/kg
SAR(1 g) = 0.673 mW/g; SAR(10 g) = 0.224 mW/g
Maximum value of SAR (measured) = 1.18 mW/g



0 dB = 1.18mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 2/1/2012 12:44:28 PM

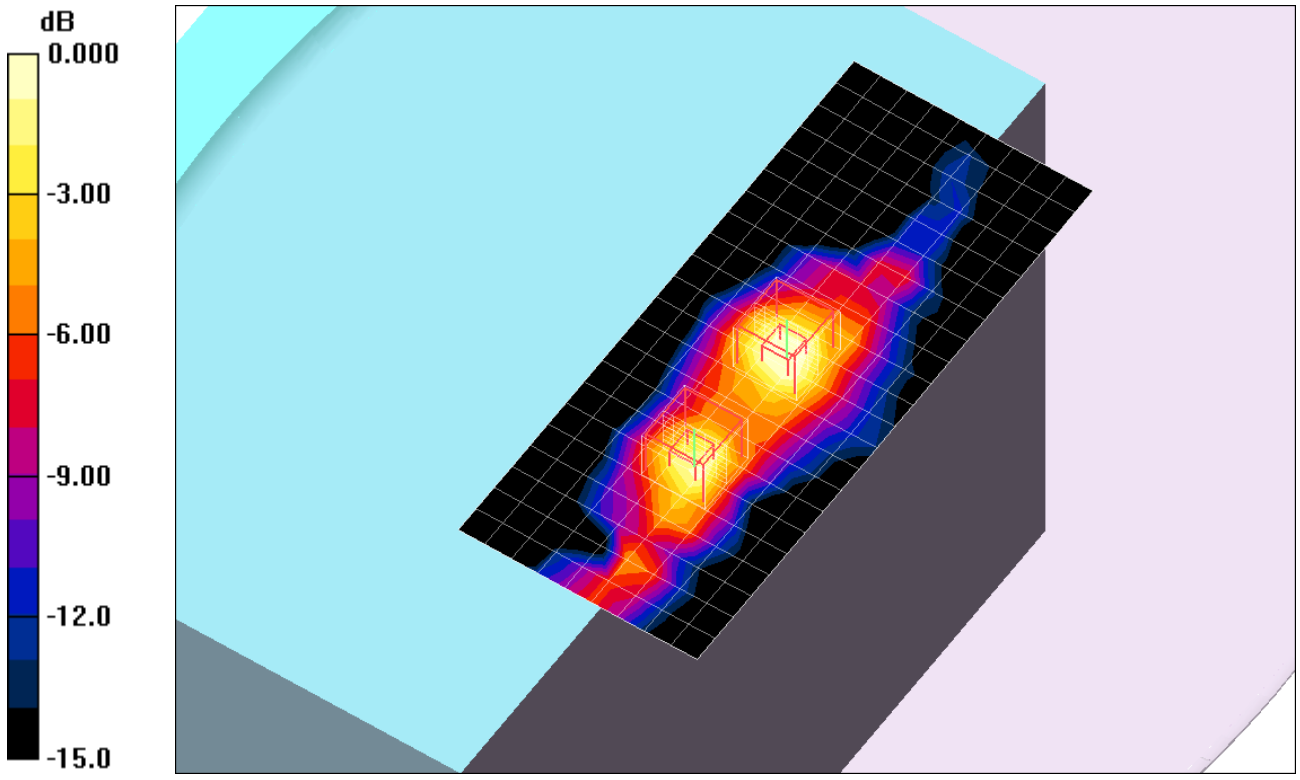
5GHz bands

Frequency: 5600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5600 MHz; σ = 5.87 mho/m; ε_r = 48.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3751; ConvF(3.29, 3.29, 3.29); Calibrated: 12/19/2011
- 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:1003

802.11n HT20,Chain 1,2_Ch 120/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.43 mW/g

802.11n HT20,Chain 1_Ch 120/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.2 V/m; Power Drift = 0.194 dB
Peak SAR (extrapolated) = 3.23 W/kg
SAR(1 g) = 0.897 mW/g; SAR(10 g) = 0.310 mW/g
Maximum value of SAR (measured) = 1.57 mW/g

802.11n HT20,Chain 2_Ch 120/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.2 V/m; Power Drift = 0.194 dB
Peak SAR (extrapolated) = 2.49 W/kg
SAR(1 g) = 0.698 mW/g; SAR(10 g) = 0.226 mW/g
Maximum value of SAR (measured) = 1.23 mW/g



0 dB = 1.23mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 2/1/2012 1:24:14 PM

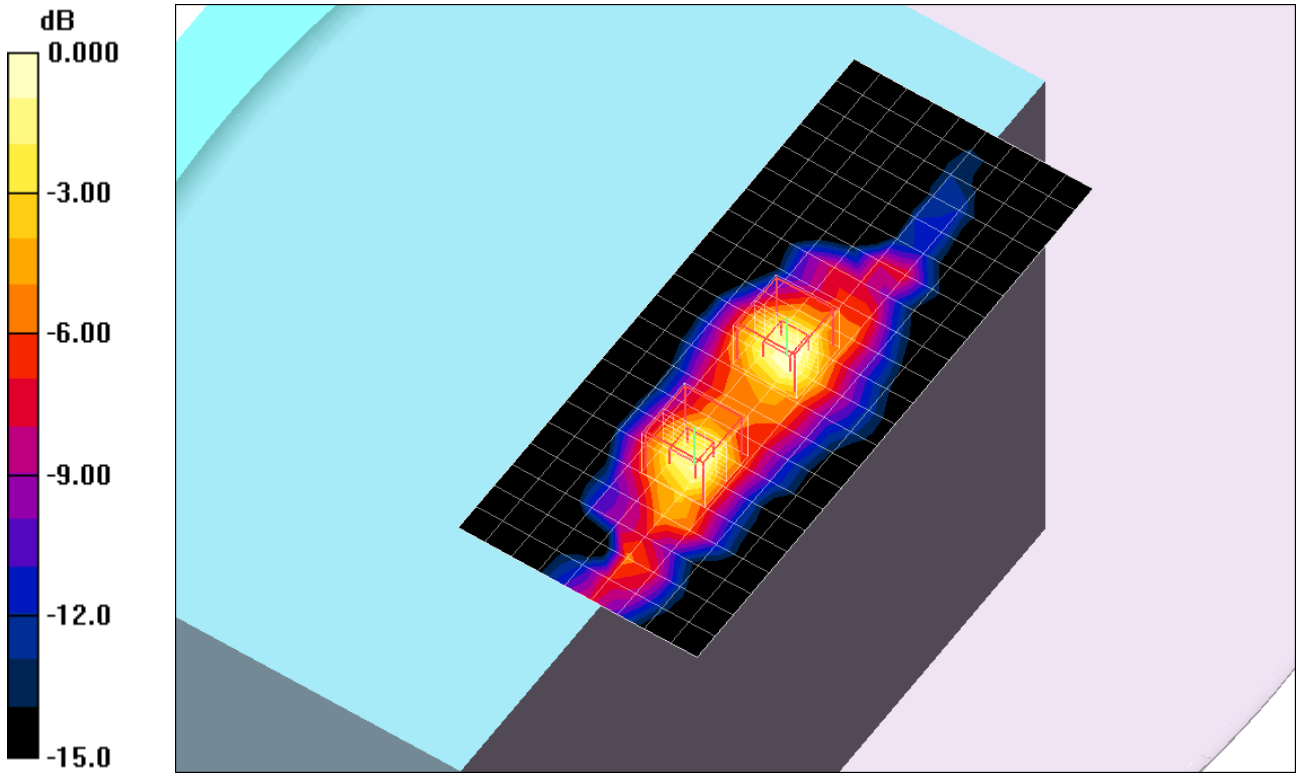
5GHz bands

Frequency: 5700 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5700 MHz; σ = 6 mho/m; ε_r = 47.9; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3751; ConvF(3.29, 3.29, 3.29); Calibrated: 12/19/2011
- 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:1003

802.11n HT20,Chain 1,2_Ch 140/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.17 mW/g

802.11n HT20,Chain 1_Ch 140/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.4 V/m; Power Drift = 0.145 dB
Peak SAR (extrapolated) = 2.63 W/kg
SAR(1 g) = 0.710 mW/g; SAR(10 g) = 0.235 mW/g
Maximum value of SAR (measured) = 1.29 mW/g

802.11n HT20,Chain 2_Ch 140/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.4 V/m; Power Drift = 0.145 dB
Peak SAR (extrapolated) = 2.59 W/kg
SAR(1 g) = 0.663 mW/g; SAR(10 g) = 0.211 mW/g
Maximum value of SAR (measured) = 1.16 mW/g



0 dB = 1.16mW/g

5GHz bands

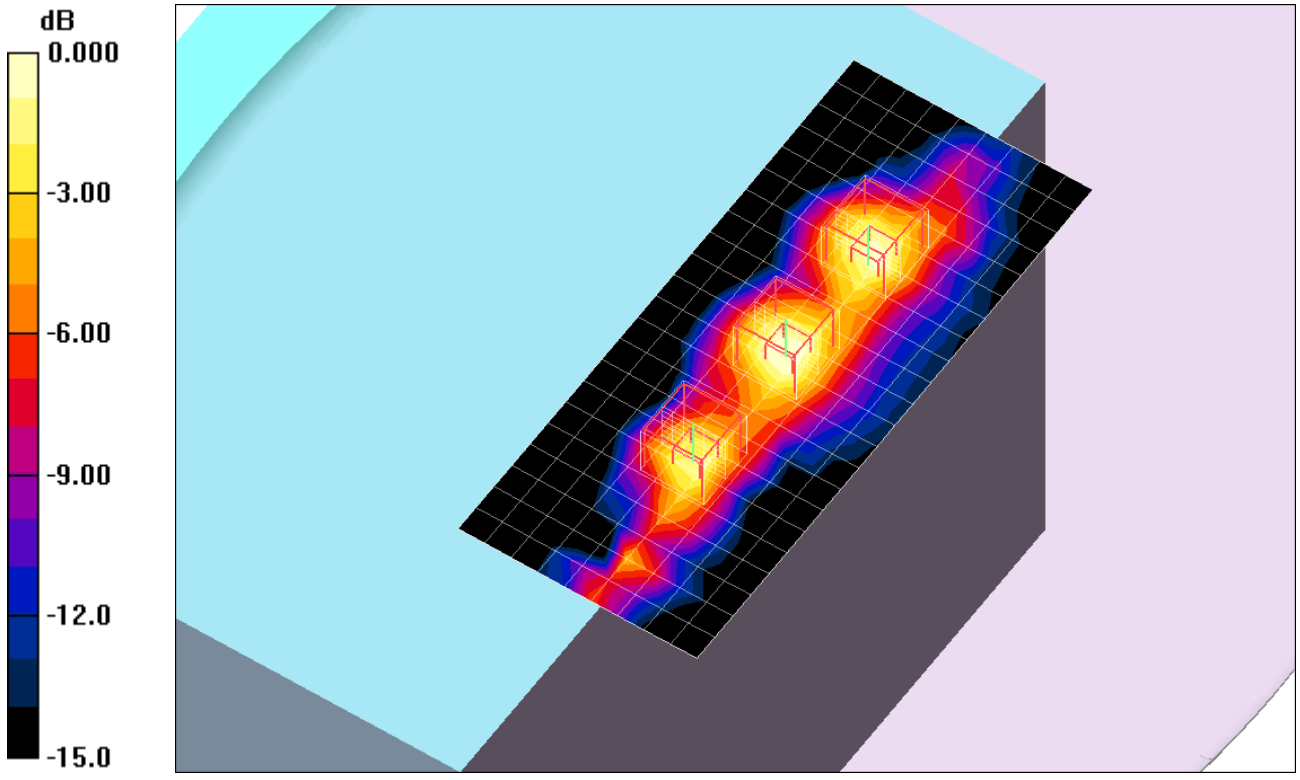
Frequency: 5500 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5500 MHz; σ = 5.75 mho/m; ε_r = 48.2; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3751; ConvF(3.57, 3.57, 3.57); Calibrated: 12/19/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003

802.11n HT20,Chain 0,1,2_Ch 100/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.43 mW/g

802.11n HT20,Chain 0_Ch 100/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.9 V/m; Power Drift = 0.145 dB
Peak SAR (extrapolated) = 3.03 W/kg
SAR(1 g) = 0.839 mW/g; SAR(10 g) = 0.305 mW/g
Maximum value of SAR (measured) = 1.45 mW/g

802.11n HT20,Chain 1_Ch 100/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.9 V/m; Power Drift = 0.145 dB
Peak SAR (extrapolated) = 3.21 W/kg
SAR(1 g) = 0.938 mW/g; SAR(10 g) = 0.339 mW/g
Maximum value of SAR (measured) = 1.62 mW/g

802.11n HT20,Chain 2_Ch 100/Zoom Scan (7x7x9)/Cube 2: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.9 V/m; Power Drift = 0.145 dB
Peak SAR (extrapolated) = 2.88 W/kg
SAR(1 g) = 0.760 mW/g; SAR(10 g) = 0.253 mW/g
Maximum value of SAR (measured) = 1.39 mW/g



0 dB = 1.39mW/g

5GHz bands

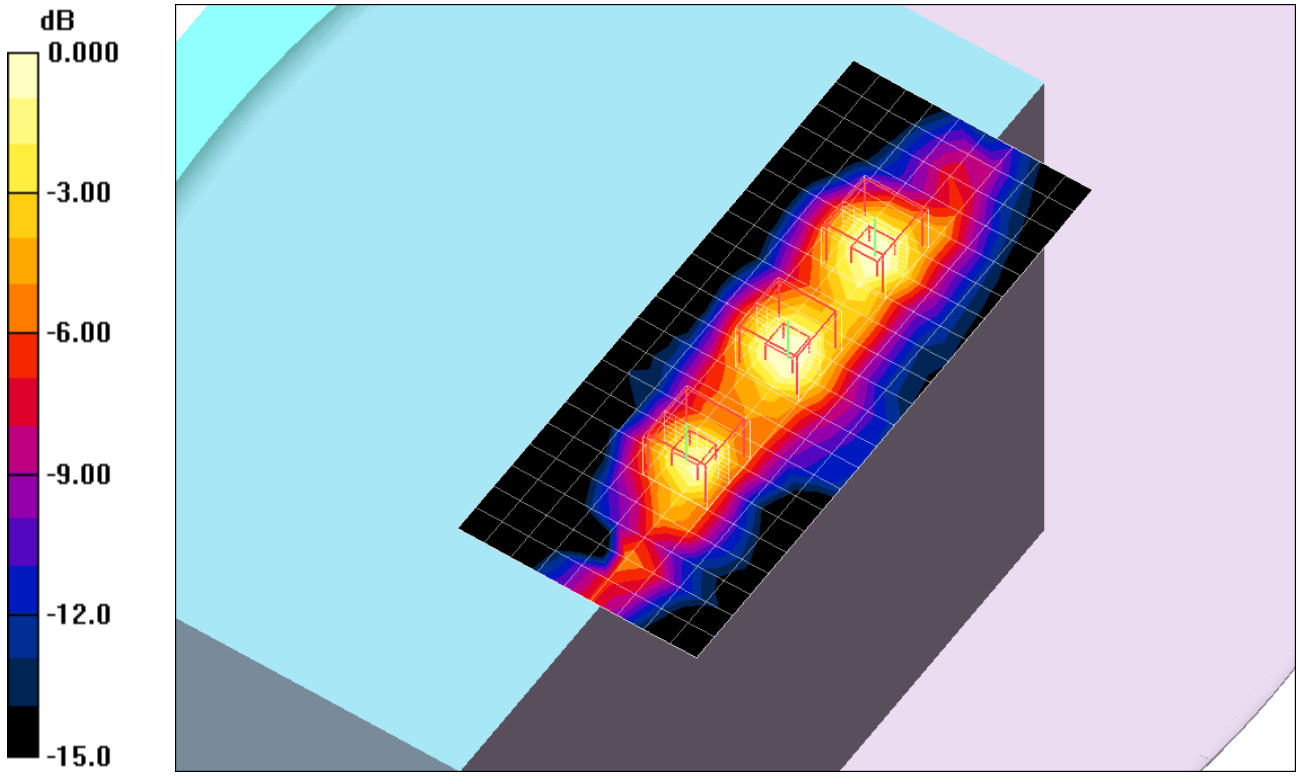
Frequency: 5600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5600 MHz; σ = 5.87 mho/m; ε_r = 48.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3751; ConvF(3.29, 3.29, 3.29); Calibrated: 12/19/2011
- 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:1003

802.11n HT20,Chain 0,1,2_Ch 120/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.58 mW/g

802.11n HT20,Chain 0_Ch 120/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 17.1 V/m; Power Drift = 0.133 dB
Peak SAR (extrapolated) = 3.04 W/kg
SAR(1 g) = 0.874 mW/g; SAR(10 g) = 0.322 mW/g
Maximum value of SAR (measured) = 1.52 mW/g

802.11n HT20,Chain 1_Ch 120/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 17.1 V/m; Power Drift = 0.133 dB
Peak SAR (extrapolated) = 3.21 W/kg
SAR(1 g) = 0.926 mW/g; SAR(10 g) = 0.321 mW/g
Maximum value of SAR (measured) = 1.63 mW/g

802.11n HT20,Chain 2_Ch 120/Zoom Scan (7x7x9)/Cube 2: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 17.1 V/m; Power Drift = 0.133 dB
Peak SAR (extrapolated) = 2.78 W/kg
SAR(1 g) = 0.741 mW/g; SAR(10 g) = 0.231 mW/g
Maximum value of SAR (measured) = 1.33 mW/g



0 dB = 1.33mW/g

5GHz bands

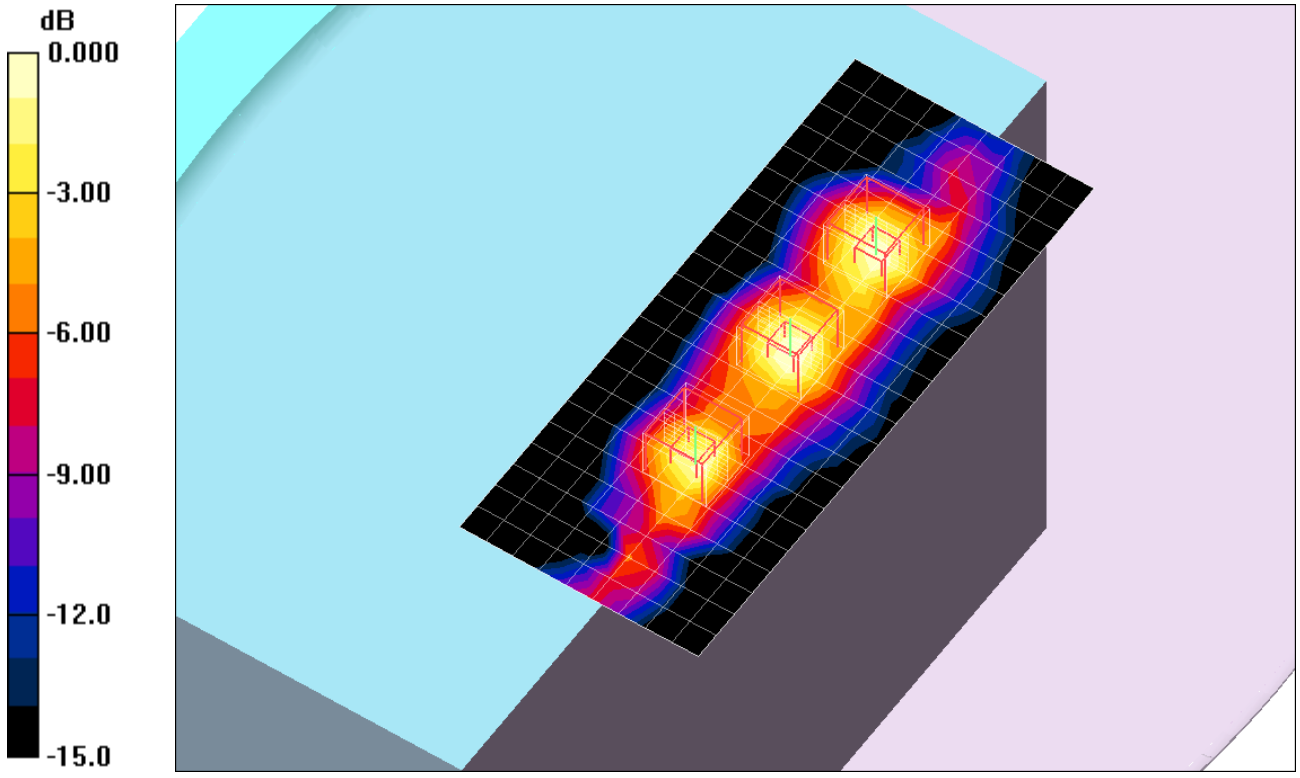
Frequency: 5700 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5700 MHz; σ = 6 mho/m; ε_r = 47.9; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3751; ConvF(3.29, 3.29, 3.29); Calibrated: 12/19/2011
- 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:1003

802.11n HT20,Chain 0,1,2_Ch 140/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.33 mW/g

802.11n HT20,Chain 0_Ch 140/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.6 V/m; Power Drift = 0.137 dB
Peak SAR (extrapolated) = 2.54 W/kg
SAR(1 g) = 0.723 mW/g; SAR(10 g) = 0.263 mW/g
Maximum value of SAR (measured) = 1.26 mW/g

802.11n HT20,Chain 1_Ch 140/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.6 V/m; Power Drift = 0.137 dB
Peak SAR (extrapolated) = 2.89 W/kg
SAR(1 g) = 0.779 mW/g; SAR(10 g) = 0.265 mW/g
Maximum value of SAR (measured) = 1.39 mW/g

802.11n HT20,Chain 2_Ch 140/Zoom Scan (7x7x9)/Cube 2: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.6 V/m; Power Drift = 0.137 dB
Peak SAR (extrapolated) = 2.57 W/kg
SAR(1 g) = 0.655 mW/g; SAR(10 g) = 0.204 mW/g
Maximum value of SAR (measured) = 1.22 mW/g



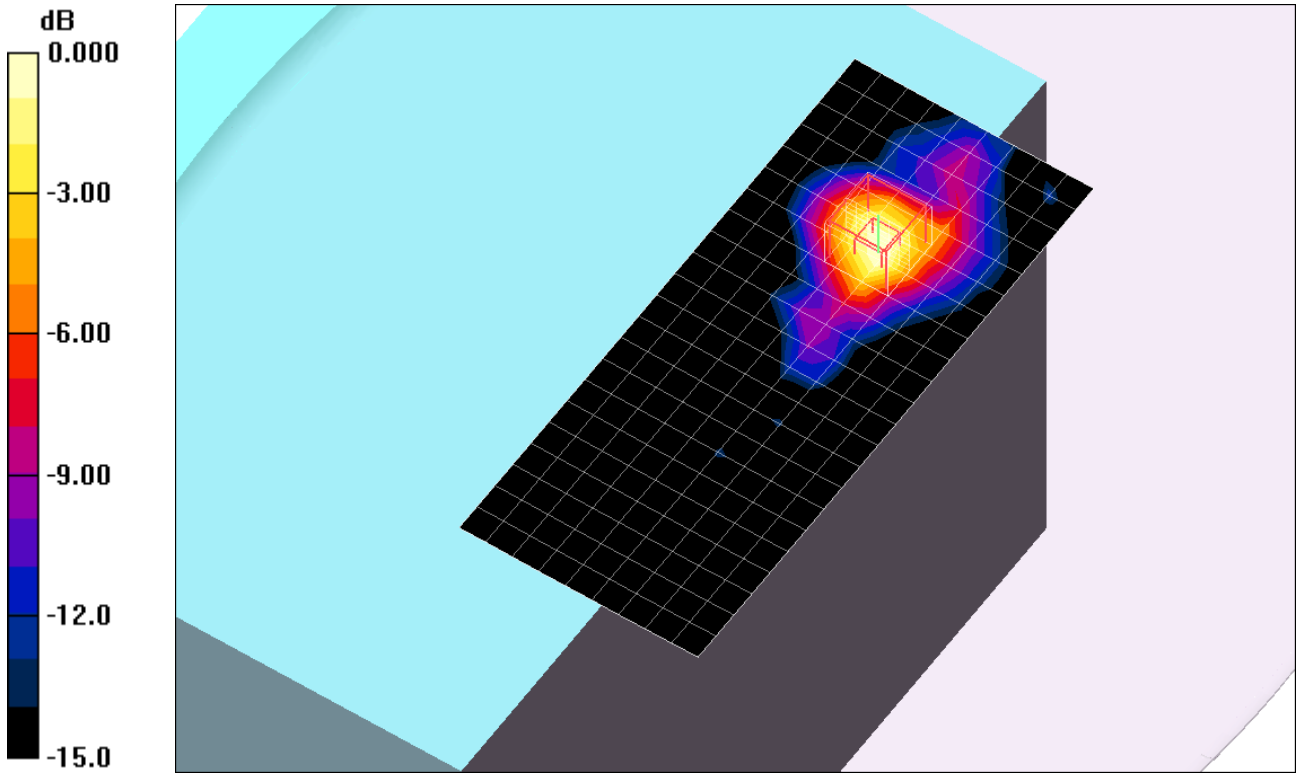
0 dB = 1.22mW/g

5GHz bands

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 = 6.08 mho/m; ε_r = 48.2; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3773; ConvF(3.58, 3.58, 3.58); Calibrated: 5/3/2011
- 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:1003

802.11a, Chain 0_Ch 149/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.16 mW/g

802.11a, Chain 0_Ch 149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.3 V/m; Power Drift = 0.029 dB
Peak SAR (extrapolated) = 2.38 W/kg
SAR(1 g) = 0.647 mW/g; SAR(10 g) = 0.233 mW/g
Maximum value of SAR (measured) = 1.12 mW/g



0 dB = 1.12mW/g

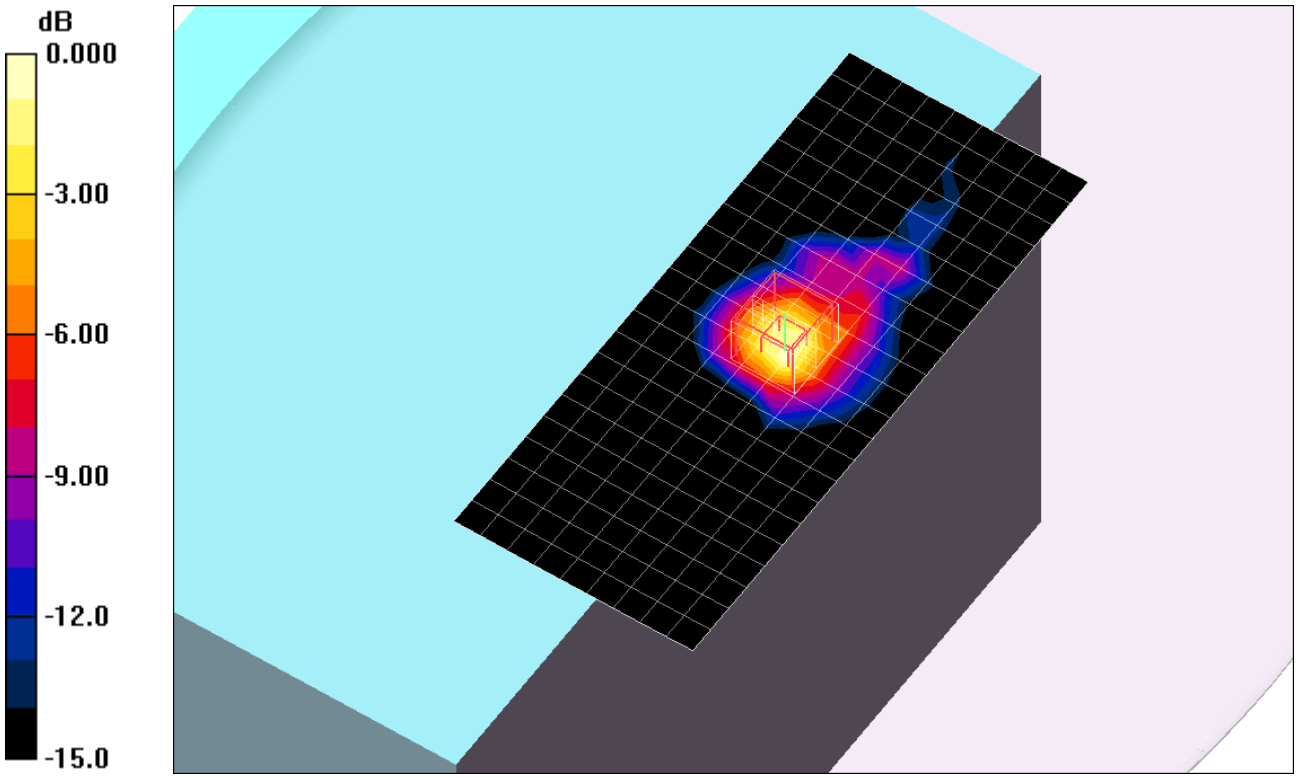
Test Laboratory: UL CCS SAR Lab D Date/Time: 1/27/2012 7:42:27 PM

5GHz bands

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 = 6.08 mho/m; ε_r = 48.2; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3773; ConvF(3.58, 3.58, 3.58); Calibrated: 5/3/2011
- 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:1003

802.11a, Chain 1_Ch 149/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.21 mW/g

802.11a, Chain 1_Ch 149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.4 V/m; Power Drift = 0.143 dB
Peak SAR (extrapolated) = 3.13 W/kg
SAR(1 g) = 0.766 mW/g; SAR(10 g) = 0.248 mW/g
Maximum value of SAR (measured) = 1.35 mW/g



0 dB = 1.35mW/g

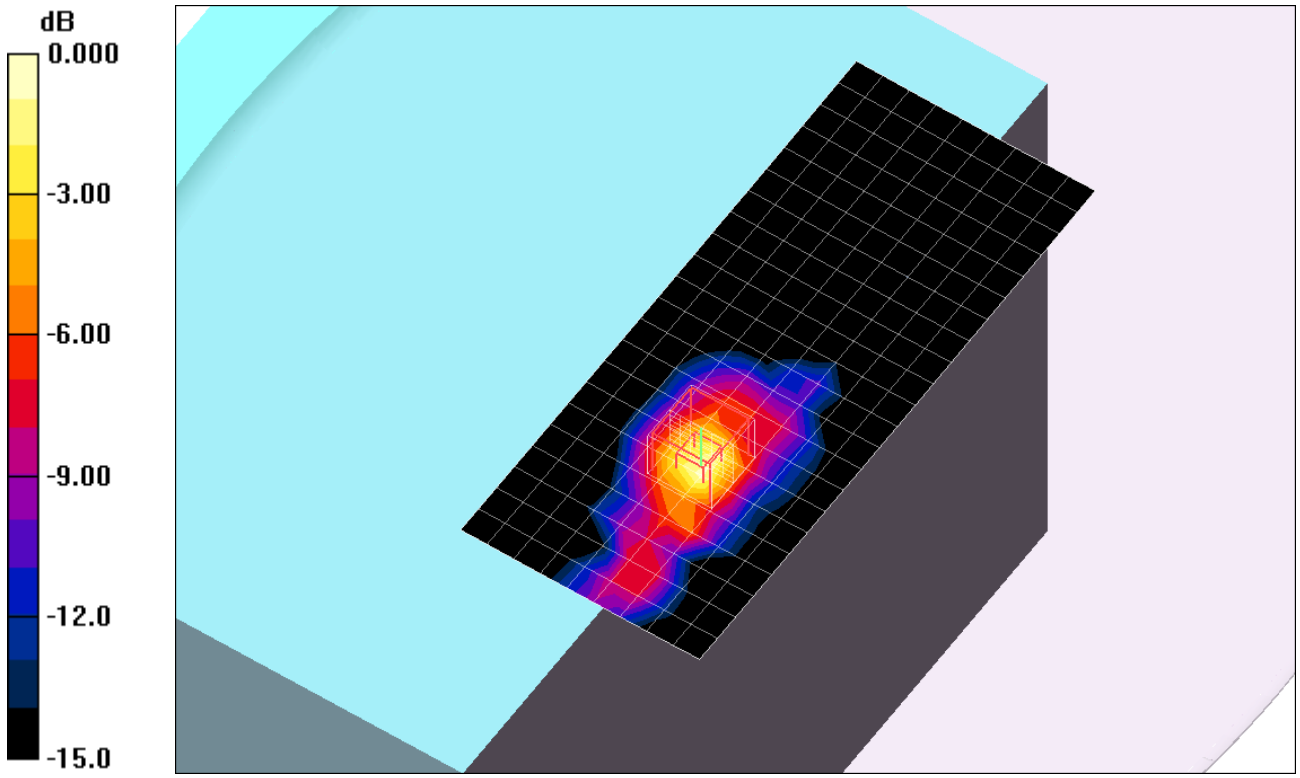
Test Laboratory: UL CCS SAR Lab D Date/Time: 1/27/2012 8:07:57 PM

5GHz bands

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 = 6.13 mho/m; ε_r = 48.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3773; ConvF(3.58, 3.58, 3.58); Calibrated: 5/3/2011
- 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:1003

802.11a, Chain 2_Ch 157/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.912 mW/g

802.11a, Chain 2_Ch 157/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 12.4 V/m; Power Drift = 0.197 dB
Peak SAR (extrapolated) = 2.31 W/kg
SAR(1 g) = 0.567 mW/g; SAR(10 g) = 0.174 mW/g
Maximum value of SAR (measured) = 1.02 mW/g



0 dB = 1.02mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 1/27/2012 3:12:52 PM

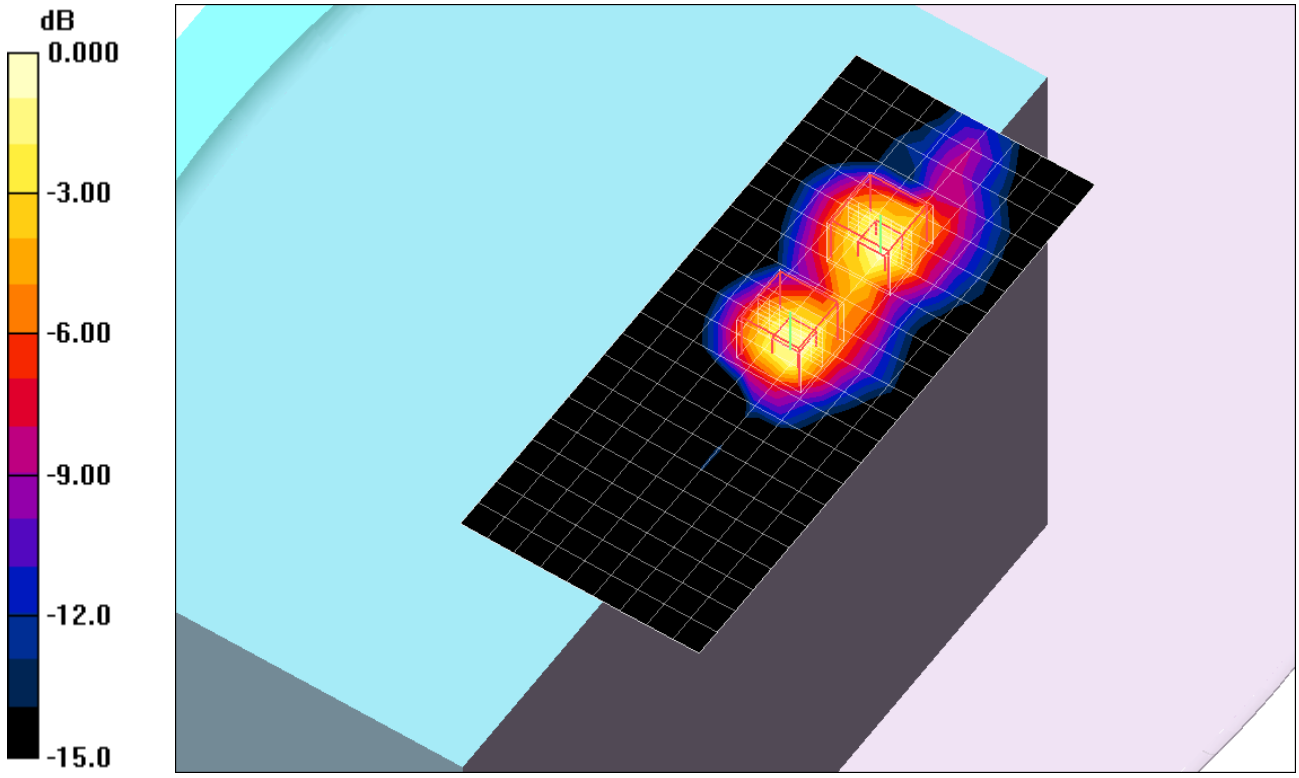
5GHz bands

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 = 6.08 mho/m; ε_r = 48.2; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3773; ConvF(3.58, 3.58, 3.58); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003

802.11a,Chain 0,1_Ch 149/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.30 mW/g

802.11a,Chain 0_Ch 149/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.9 V/m; Power Drift = -0.097 dB
Peak SAR (extrapolated) = 2.64 W/kg
SAR(1 g) = 0.717 mW/g; SAR(10 g) = 0.259 mW/g
Maximum value of SAR (measured) = 1.28 mW/g

802.11a,Chain 1_Ch 149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.9 V/m; Power Drift = -0.097 dB
Peak SAR (extrapolated) = 2.90 W/kg
SAR(1 g) = 0.803 mW/g; SAR(10 g) = 0.277 mW/g
Maximum value of SAR (measured) = 1.43 mW/g



0 dB = 1.43mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 1/27/2012 2:22:36 PM

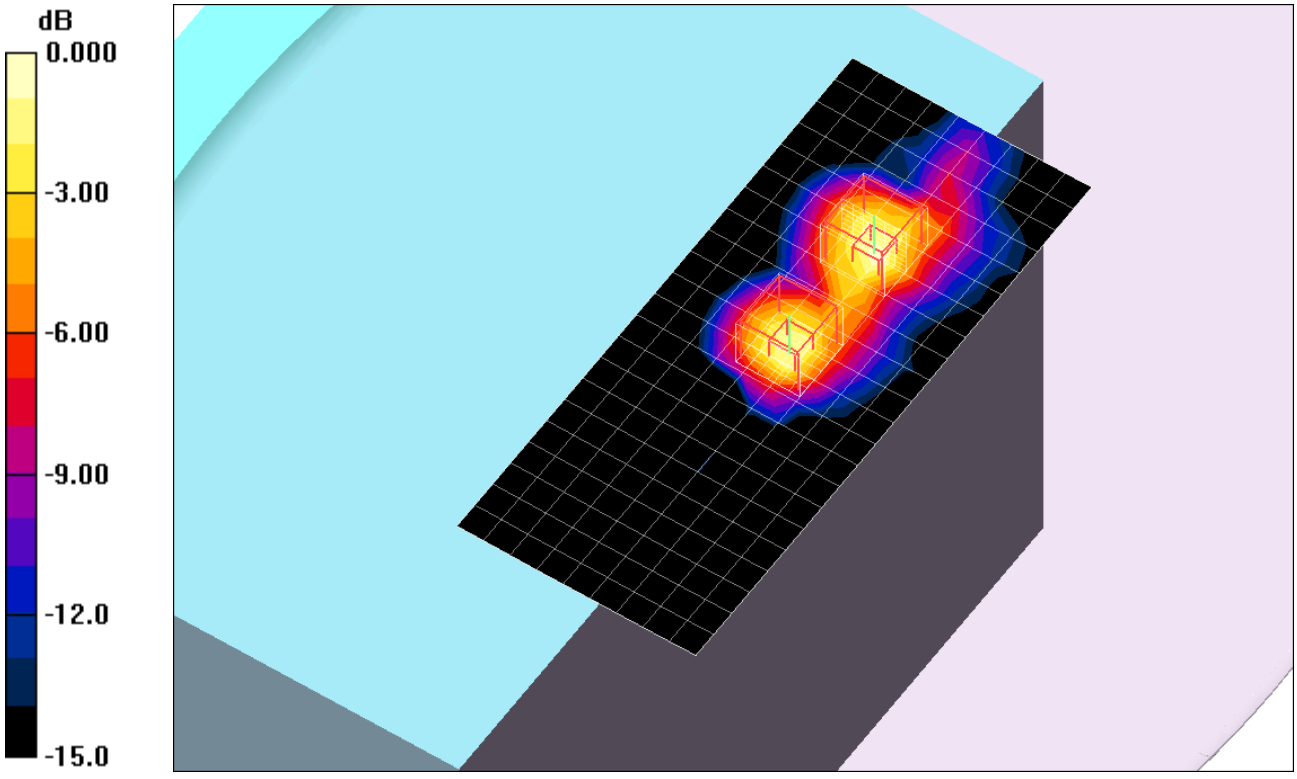
5GHz bands

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 = 6.13 mho/m; ε_r = 48.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3773; ConvF(3.58, 3.58, 3.58); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003

802.11a,Chain 0,1_Ch 157/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.30 mW/g

802.11a,Chain 0_Ch 157/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.8 V/m; Power Drift = 0.015 dB
Peak SAR (extrapolated) = 2.75 W/kg
SAR(1 g) = 0.735 mW/g; SAR(10 g) = 0.268 mW/g

802.11a,Chain 1_Ch 157/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.8 V/m; Power Drift = 0.015 dB
Peak SAR (extrapolated) = 3.01 W/kg
SAR(1 g) = 0.752 mW/g; SAR(10 g) = 0.251 mW/g
Maximum value of SAR (measured) = 1.34 mW/g



0 dB = 1.34mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 1/27/2012 1:20:37 PM

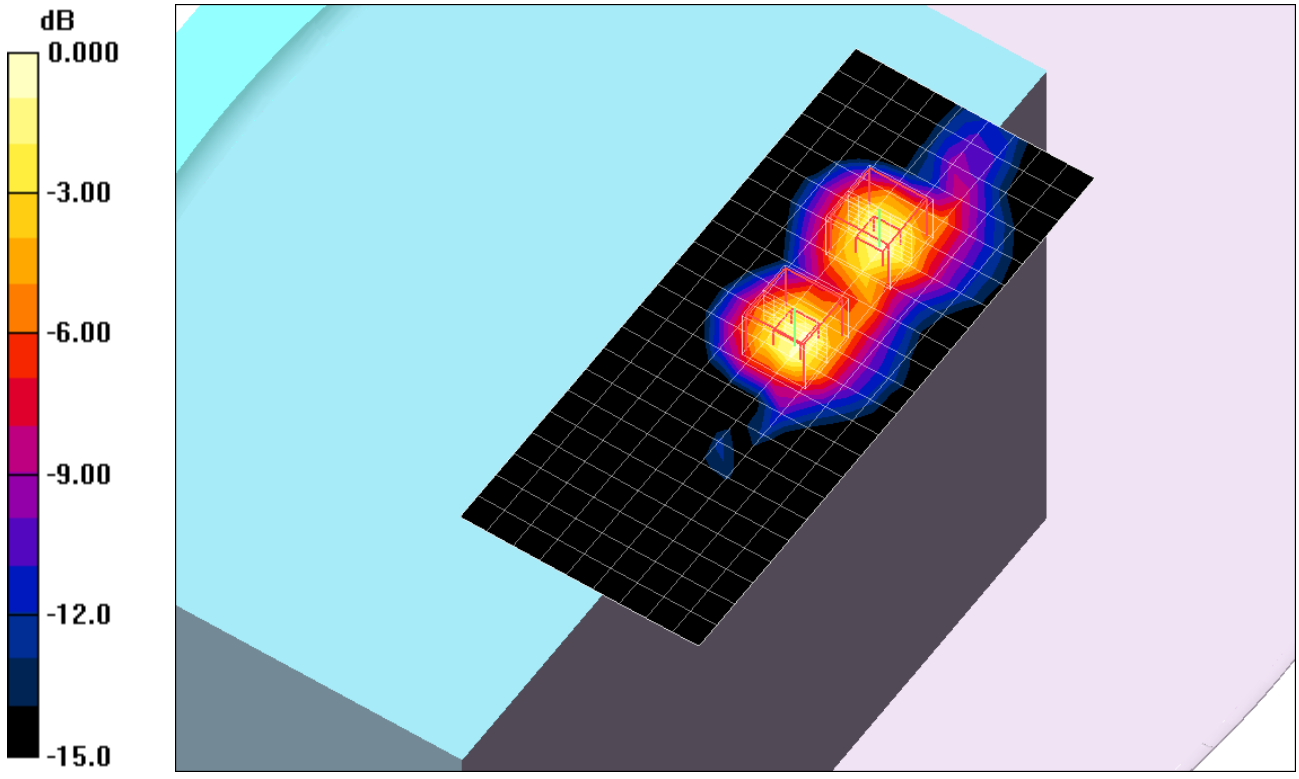
5GHz bands

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 = 6.19 mho/m; ε_r = 48.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3773; ConvF(3.58, 3.58, 3.58); Calibrated: 5/3/2011
- 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:1003

802.11a,Chain 0,1_Ch 165/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.37 mW/g

802.11a,Chain 0_Ch 165/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.7 V/m; Power Drift = -0.048 dB
Peak SAR (extrapolated) = 3.02 W/kg
SAR(1 g) = 0.807 mW/g; SAR(10 g) = 0.292 mW/g
Maximum value of SAR (measured) = 1.46 mW/g

802.11a,Chain 1_Ch 165/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.7 V/m; Power Drift = -0.048 dB
Peak SAR (extrapolated) = 3.51 W/kg
SAR(1 g) = 0.890 mW/g; SAR(10 g) = 0.289 mW/g
Maximum value of SAR (measured) = 1.58 mW/g

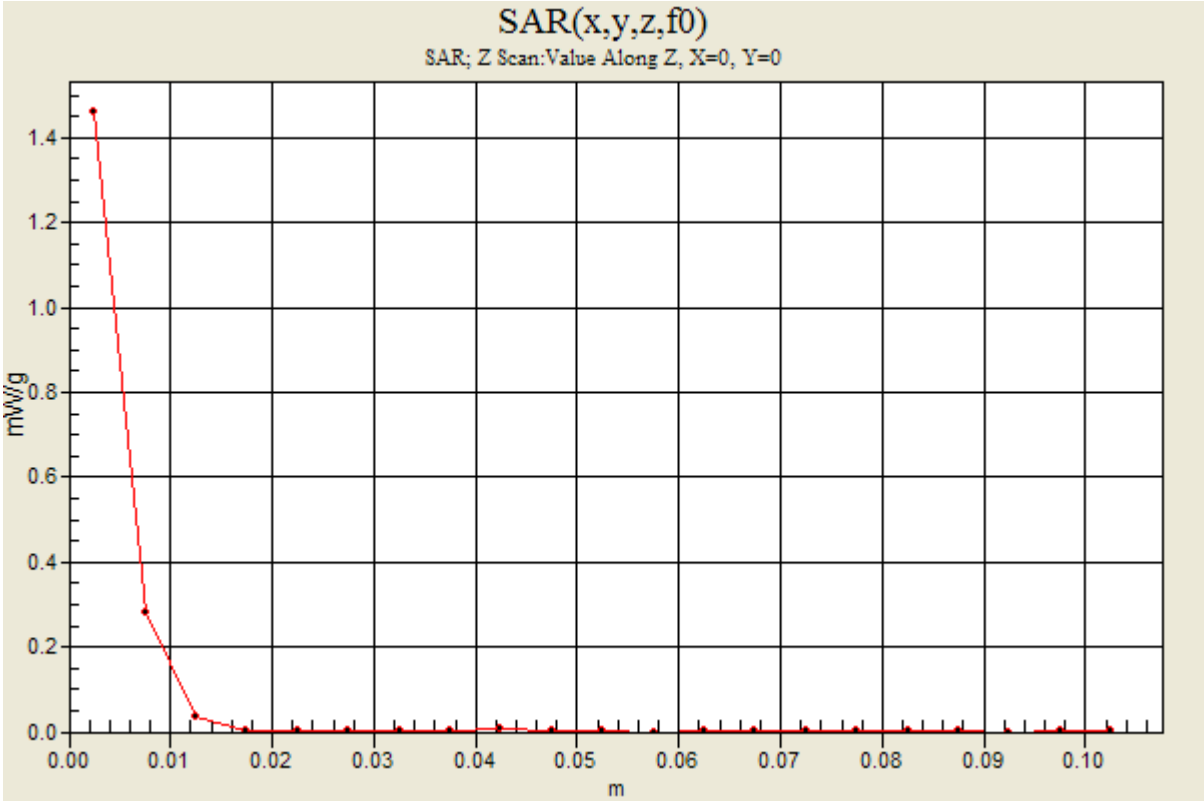


0 dB = 1.58mW/g

5GHz bands

Frequency: 5825 MHz; Duty Cycle: 1:1

802.11a,Chain 0,1_Ch 165/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 1.46 mW/g



Test Laboratory: UL CCS SAR Lab D Date/Time: 1/27/2012 12:35:22 PM

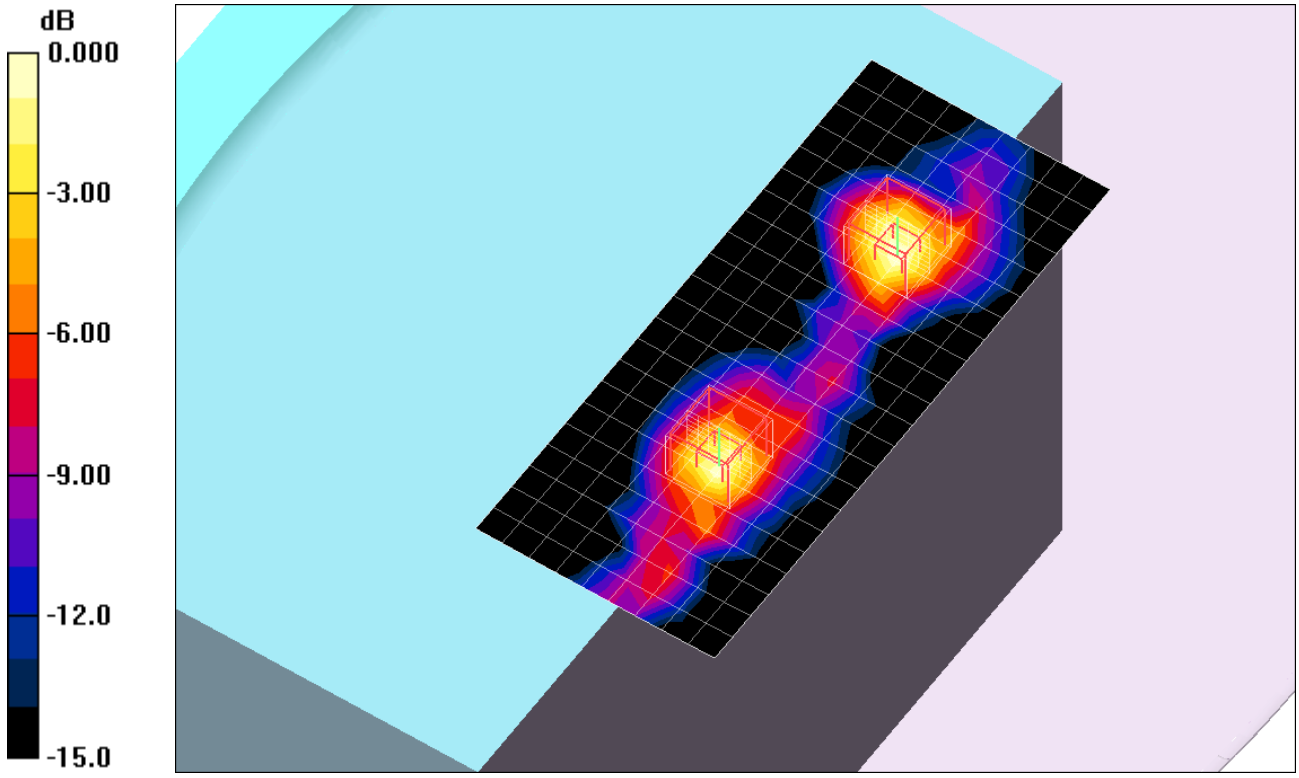
5GHz bands

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 = 6.13 mho/m; ε_r = 48.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3773; ConvF(3.58, 3.58, 3.58); Calibrated: 5/3/2011
- 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:1003

802.11a,Chain 0,2_Ch 157/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.07 mW/g

802.11a,Chain 0_Ch 157/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.3 V/m; Power Drift = -0.121 dB
Peak SAR (extrapolated) = 2.31 W/kg
SAR(1 g) = 0.605 mW/g; SAR(10 g) = 0.218 mW/g

802.11a,Chain 2_Ch 157/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.3 V/m; Power Drift = -0.121 dB
Peak SAR (extrapolated) = 2.37 W/kg
SAR(1 g) = 0.599 mW/g; SAR(10 g) = 0.187 mW/g
Maximum value of SAR (measured) = 1.10 mW/g



0 dB = 1.10mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 1/27/2012 11:39:35 AM

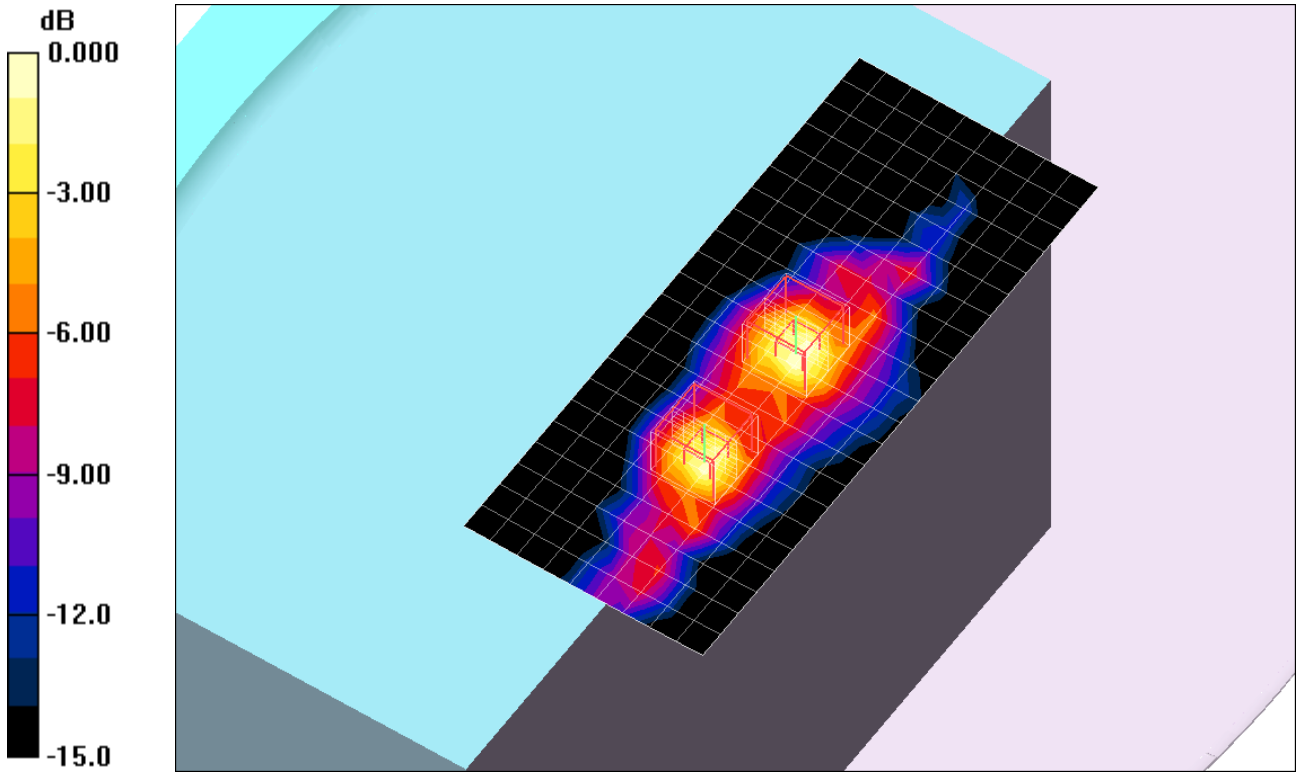
5GHz bands

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 = 6.13 mho/m; ε_r = 48.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3773; ConvF(3.58, 3.58, 3.58); Calibrated: 5/3/2011
- 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:1003

802.11a,Chain 1,2_Ch 157/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.17 mW/g

802.11a,Chain 1_Ch 157/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.21 V/m; Power Drift = -0.119 dB
Peak SAR (extrapolated) = 2.89 W/kg
SAR(1 g) = 0.742 mW/g; SAR(10 g) = 0.237 mW/g
Maximum value of SAR (measured) = 1.38 mW/g

802.11a,Chain 2_Ch 157/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.21 V/m; Power Drift = -0.119 dB
Peak SAR (extrapolated) = 2.64 W/kg
SAR(1 g) = 0.678 mW/g; SAR(10 g) = 0.213 mW/g
Maximum value of SAR (measured) = 1.26 mW/g



0 dB = 1.26mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 1/27/2012 5:08:16 PM

5GHz bands

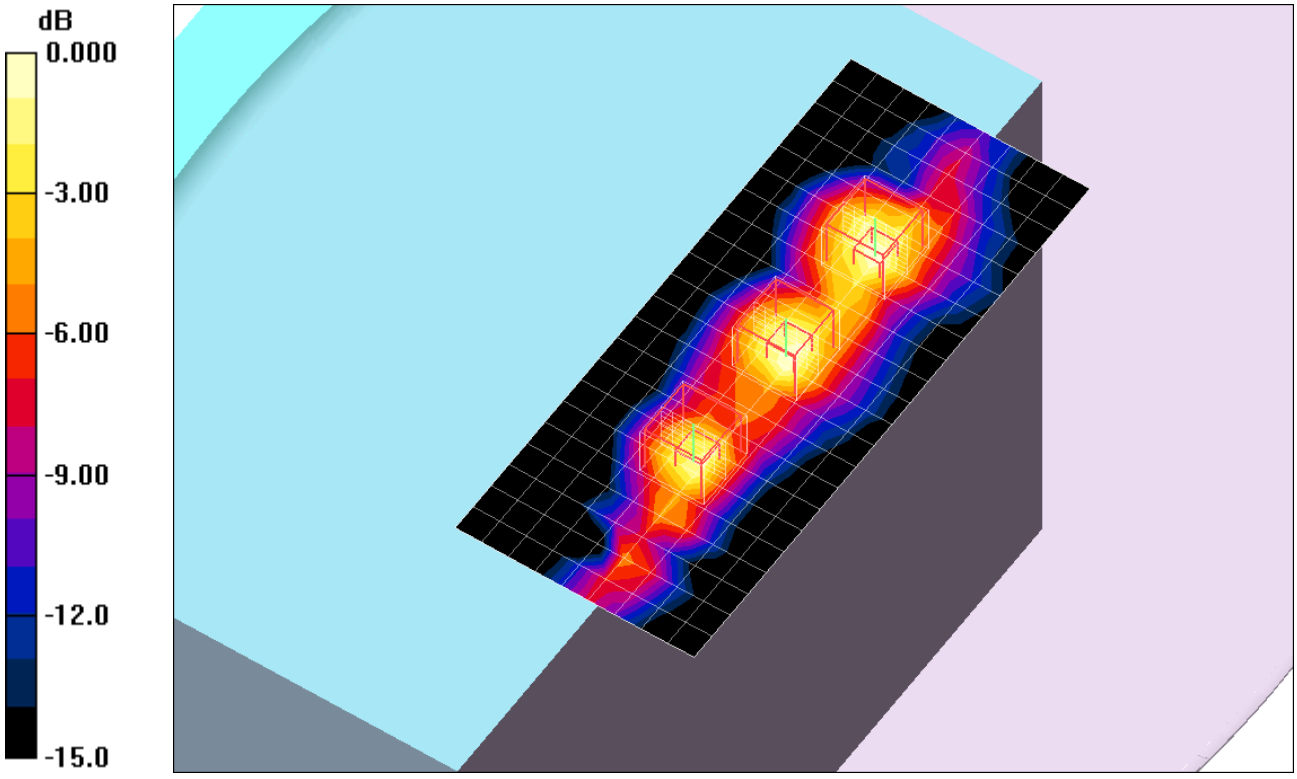
Frequency: 5745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5745 MHz; σ = 6.08 mho/m; ε_r = 48.2; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3773; ConvF(3.58, 3.58, 3.58); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003

802.11a,Chain 0,1,2_Ch 149/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.30 mW/g

802.11a,Chain 0_Ch 149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.9 V/m; Power Drift = -0.089 dB
Peak SAR (extrapolated) = 2.70 W/kg
SAR(1 g) = 0.744 mW/g; SAR(10 g) = 0.266 mW/g
Maximum value of SAR (measured) = 1.33 mW/g

802.11a,Chain 1_Ch 149/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.9 V/m; Power Drift = -0.089 dB
Peak SAR (extrapolated) = 2.78 W/kg
SAR(1 g) = 0.764 mW/g; SAR(10 g) = 0.263 mW/g
Maximum value of SAR (measured) = 1.36 mW/g

802.11a,Chain 2_Ch 149/Zoom Scan (7x7x9)/Cube 2: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.9 V/m; Power Drift = -0.089 dB
Peak SAR (extrapolated) = 2.70 W/kg
SAR(1 g) = 0.692 mW/g; SAR(10 g) = 0.221 mW/g
Maximum value of SAR (measured) = 1.26 mW/g



0 dB = 1.26mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 1/27/2012 4:06:20 PM

5GHz bands

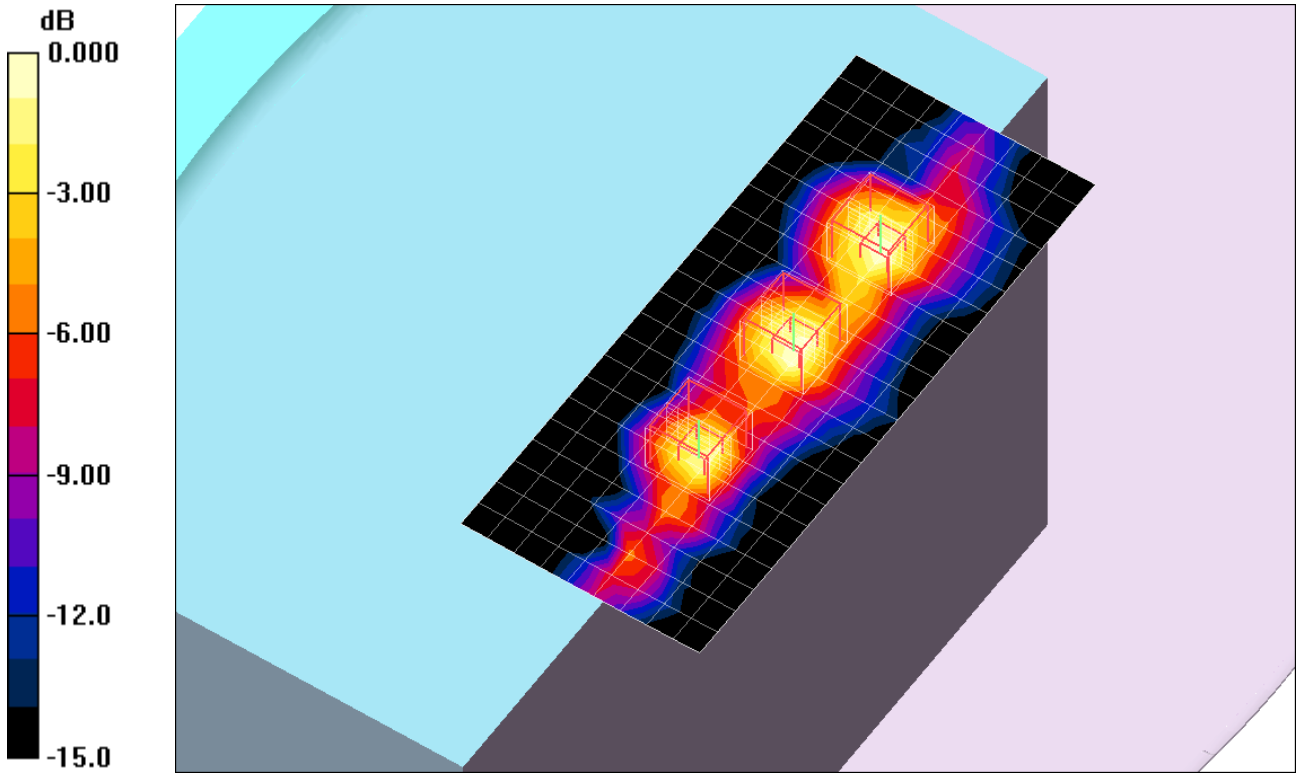
Frequency: 5785 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5785 MHz; σ = 6.13 mho/m; ε_r = 48.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3773; ConvF(3.58, 3.58, 3.58); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003

802.11a,Chain 0,1,2_Ch 157/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.30 mW/g

802.11a,Chain 0_Ch 157/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.0 V/m; Power Drift = -0.093 dB
Peak SAR (extrapolated) = 2.79 W/kg
SAR(1 g) = 0.752 mW/g; SAR(10 g) = 0.273 mW/g
Maximum value of SAR (measured) = 1.33 mW/g

802.11a,Chain 1_Ch 157/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.0 V/m; Power Drift = -0.093 dB
Peak SAR (extrapolated) = 2.82 W/kg
SAR(1 g) = 0.766 mW/g; SAR(10 g) = 0.263 mW/g
Maximum value of SAR (measured) = 1.38 mW/g

802.11a,Chain 2_Ch 157/Zoom Scan (7x7x9)/Cube 2: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.0 V/m; Power Drift = -0.093 dB
Peak SAR (extrapolated) = 2.74 W/kg
SAR(1 g) = 0.692 mW/g; SAR(10 g) = 0.219 mW/g
Maximum value of SAR (measured) = 1.25 mW/g



0 dB = 1.25mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 1/27/2012 10:35:40 AM

5GHz bands

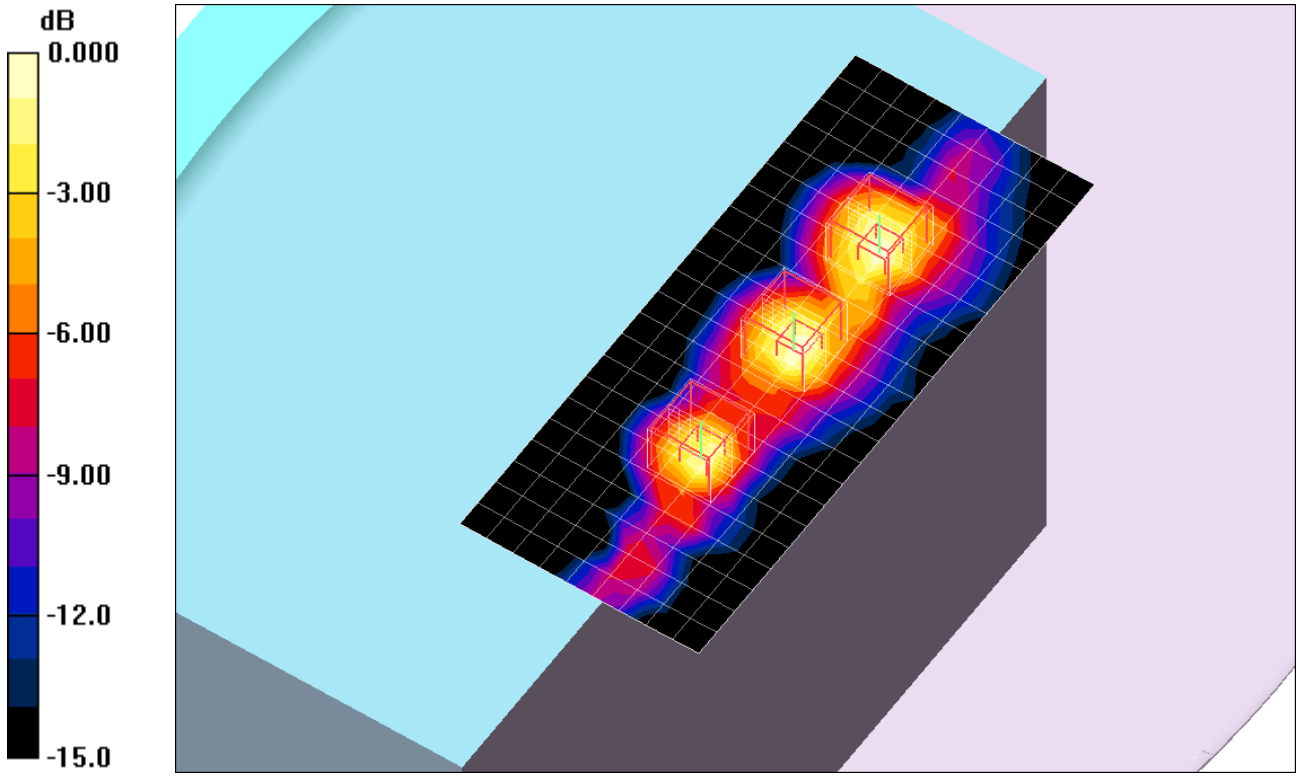
Frequency: 5825 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5825 MHz; σ = 6.19 mho/m; ε_r = 48.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3773; ConvF(3.58, 3.58, 3.58); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003

802.11a,Chain 0,1,2_Ch 165/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.43 mW/g

802.11a,Chain 0_Ch 165/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.4 V/m; Power Drift = -0.124 dB
Peak SAR (extrapolated) = 3.07 W/kg
SAR(1 g) = 0.793 mW/g; SAR(10 g) = 0.279 mW/g
Maximum value of SAR (measured) = 1.41 mW/g

802.11a,Chain 1_Ch 165/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.4 V/m; Power Drift = -0.124 dB
Peak SAR (extrapolated) = 3.35 W/kg
SAR(1 g) = 0.860 mW/g; SAR(10 g) = 0.293 mW/g
Maximum value of SAR (measured) = 1.50 mW/g

802.11a,Chain 2_Ch 165/Zoom Scan (7x7x9)/Cube 2: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.4 V/m; Power Drift = -0.124 dB
Peak SAR (extrapolated) = 2.94 W/kg
SAR(1 g) = 0.740 mW/g; SAR(10 g) = 0.239 mW/g
Maximum value of SAR (measured) = 1.37 mW/g



0 dB = 1.37mW/g