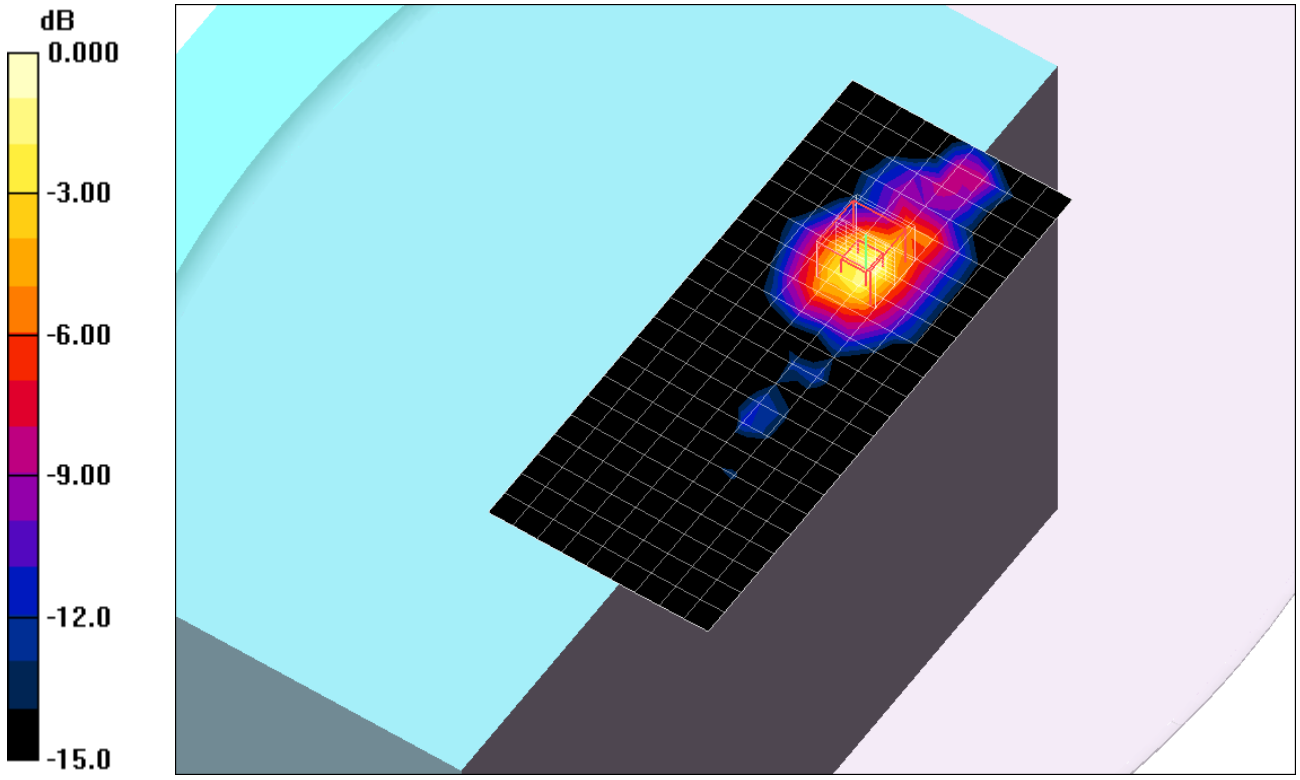
5GHz bands

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 = 5.34 mho/m; ε_r = 48.6; 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 36/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.764 mW/g

802.11a,Chain 0_Ch 36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 12.8 V/m; Power Drift = 0.128 dB
Peak SAR (extrapolated) = 1.72 W/kg
SAR(1 g) = 0.513 mW/g; SAR(10 g) = 0.178 mW/g
Maximum value of SAR (measured) = 0.888 mW/g



0 dB = 0.888mW/g

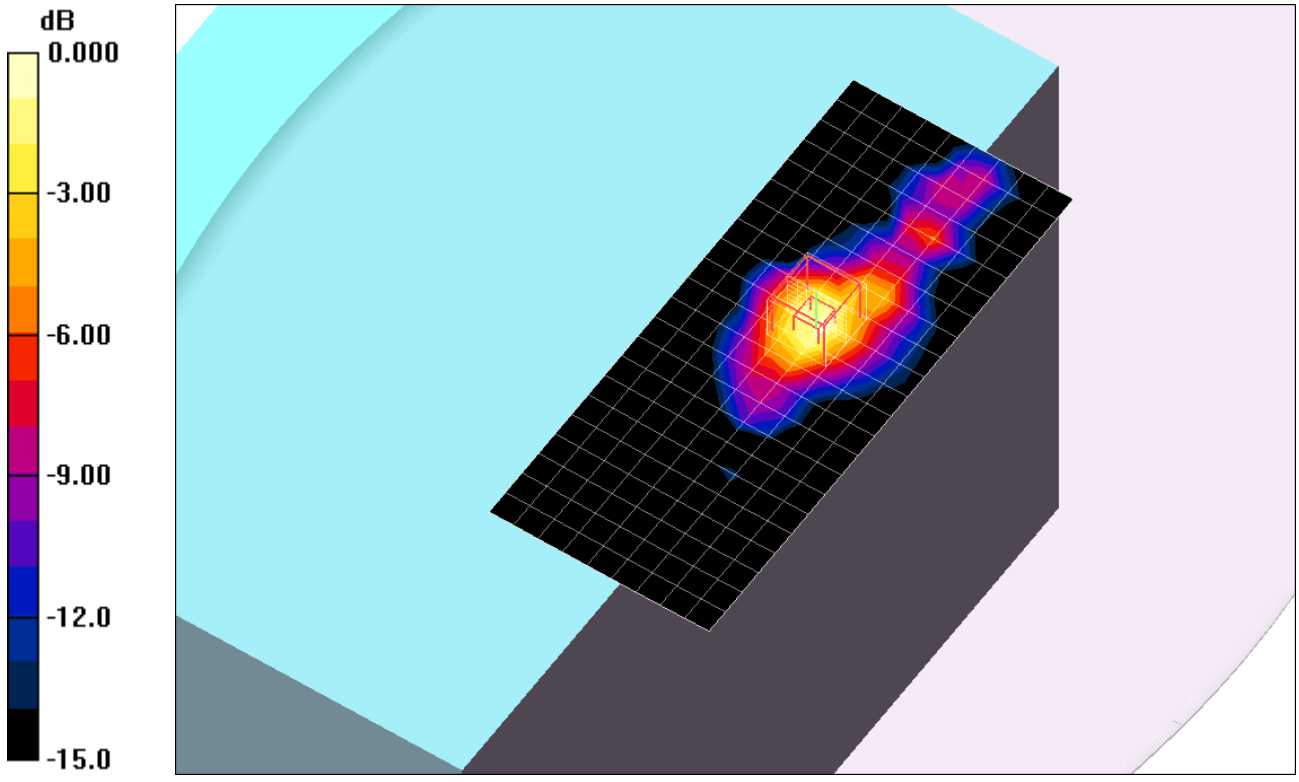
Test Laboratory: UL CCS SAR Lab D Date/Time: 2/6/2012 3:59:53 PM

5GHz bands

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 = 5.34 mho/m; ε_r = 48.6; 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 36/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.741 mW/g

802.11a,Chain 1_Ch 36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 12.9 V/m; Power Drift = 0.112 dB
Peak SAR (extrapolated) = 1.67 W/kg
SAR(1 g) = 0.501 mW/g; SAR(10 g) = 0.189 mW/g
Maximum value of SAR (measured) = 0.822 mW/g



0 dB = 0.822mW/g

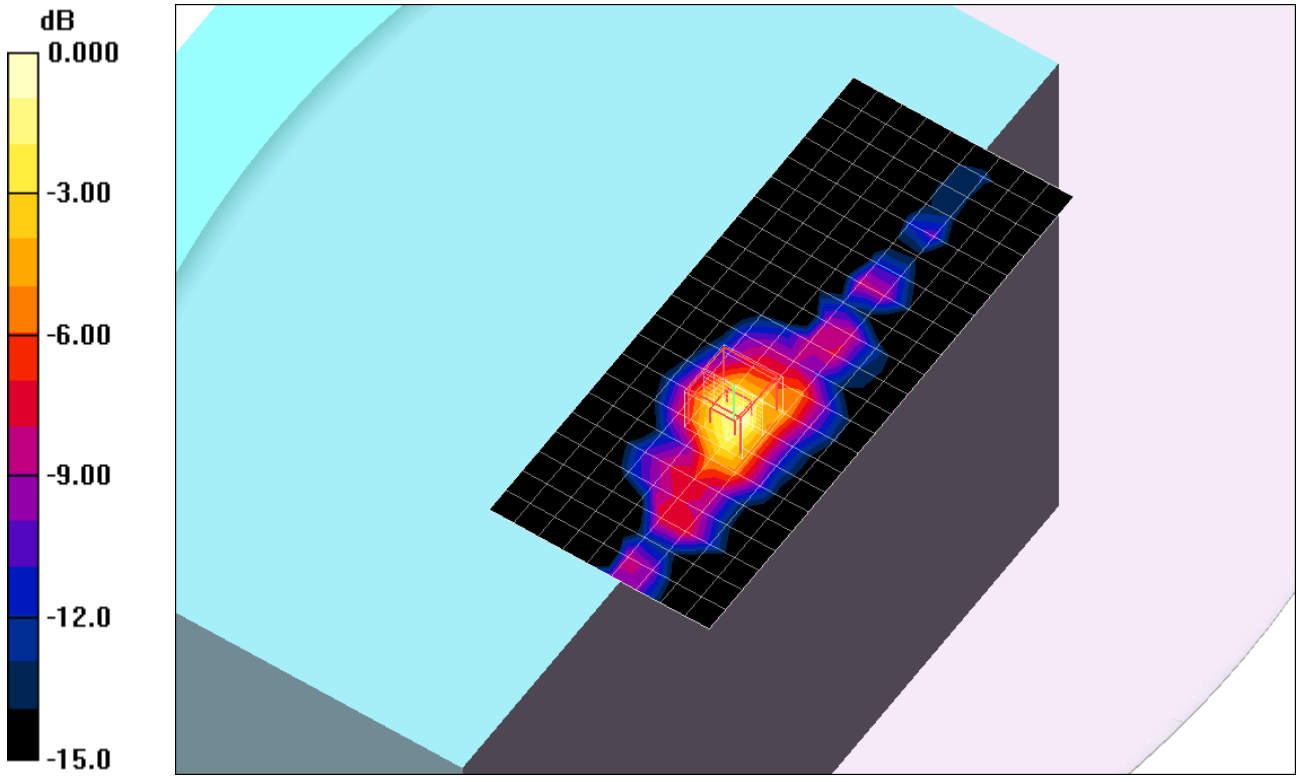
Test Laboratory: UL CCS SAR Lab D Date/Time: 2/6/2012 3:32:45 PM

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 = 5.37 mho/m; ε_r = 48.5; 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 40/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.677 mW/g

802.11a,Chain 2_Ch 40/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 12.0 V/m; Power Drift = 0.104 dB
Peak SAR (extrapolated) = 1.66 W/kg
SAR(1 g) = 0.464 mW/g; SAR(10 g) = 0.160 mW/g
Maximum value of SAR (measured) = 0.810 mW/g



0 dB = 0.810mW/g

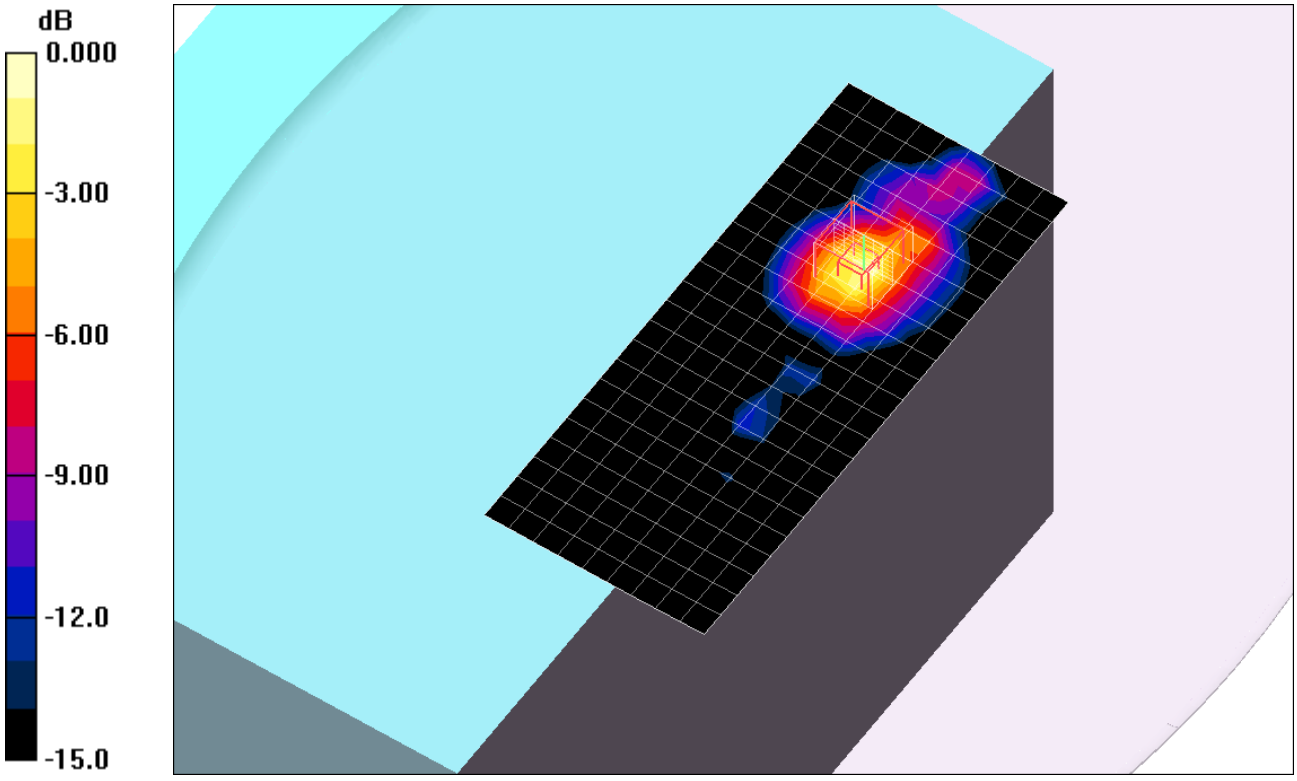
Test Laboratory: UL CCS SAR Lab D Date/Time: 2/6/2012 3:06:29 PM

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 = 5.35 mho/m; ε_r = 48.6; 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) = 0.749 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 = 12.6 V/m; Power Drift = 0.171 dB
Peak SAR (extrapolated) = 1.77 W/kg
SAR(1 g) = 0.503 mW/g; SAR(10 g) = 0.172 mW/g
Maximum value of SAR (measured) = 0.867 mW/g



0 dB = 0.867mW/g

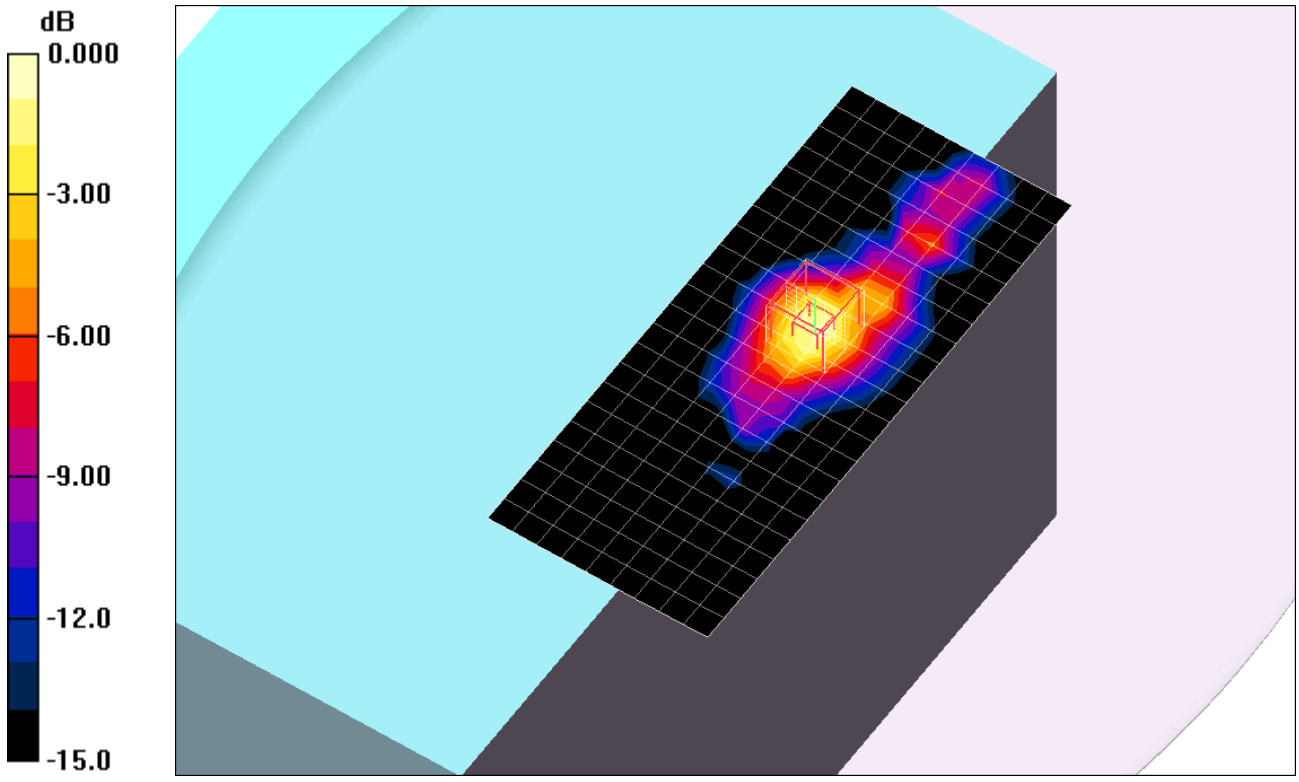
Test Laboratory: UL CCS SAR Lab D Date/Time: 2/6/2012 2:29:04 PM

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 = 5.35 mho/m; ε_r = 48.6; 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) = 0.953 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 = 14.7 V/m; Power Drift = 0.111 dB
Peak SAR (extrapolated) = 2.15 W/kg
SAR(1 g) = 0.653 mW/g; SAR(10 g) = 0.249 mW/g
Maximum value of SAR (measured) = 1.08 mW/g



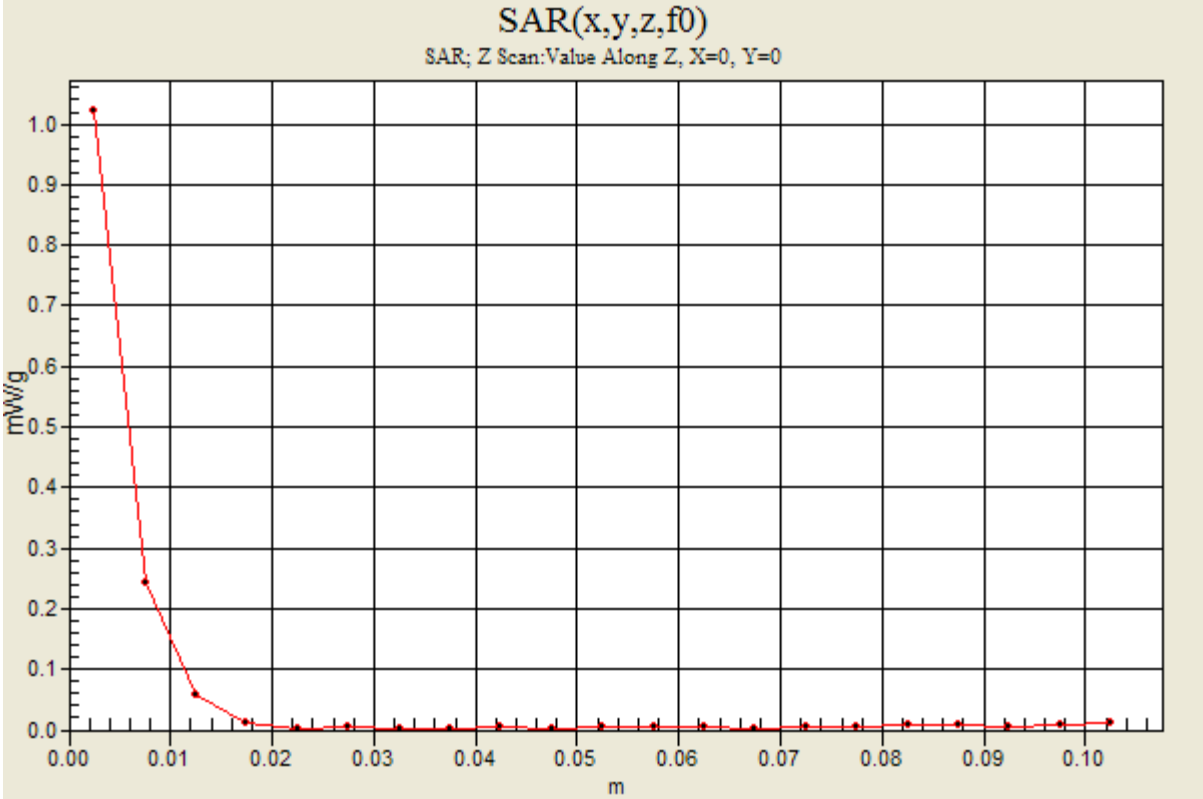
0 dB = 1.08mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 2/6/2012 2:54:43 PM

5GHz bands

Frequency: 5190 MHz; Duty Cycle: 1:1

802.11n HT40,Chain 1_Ch 38/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 1.02 mW/g



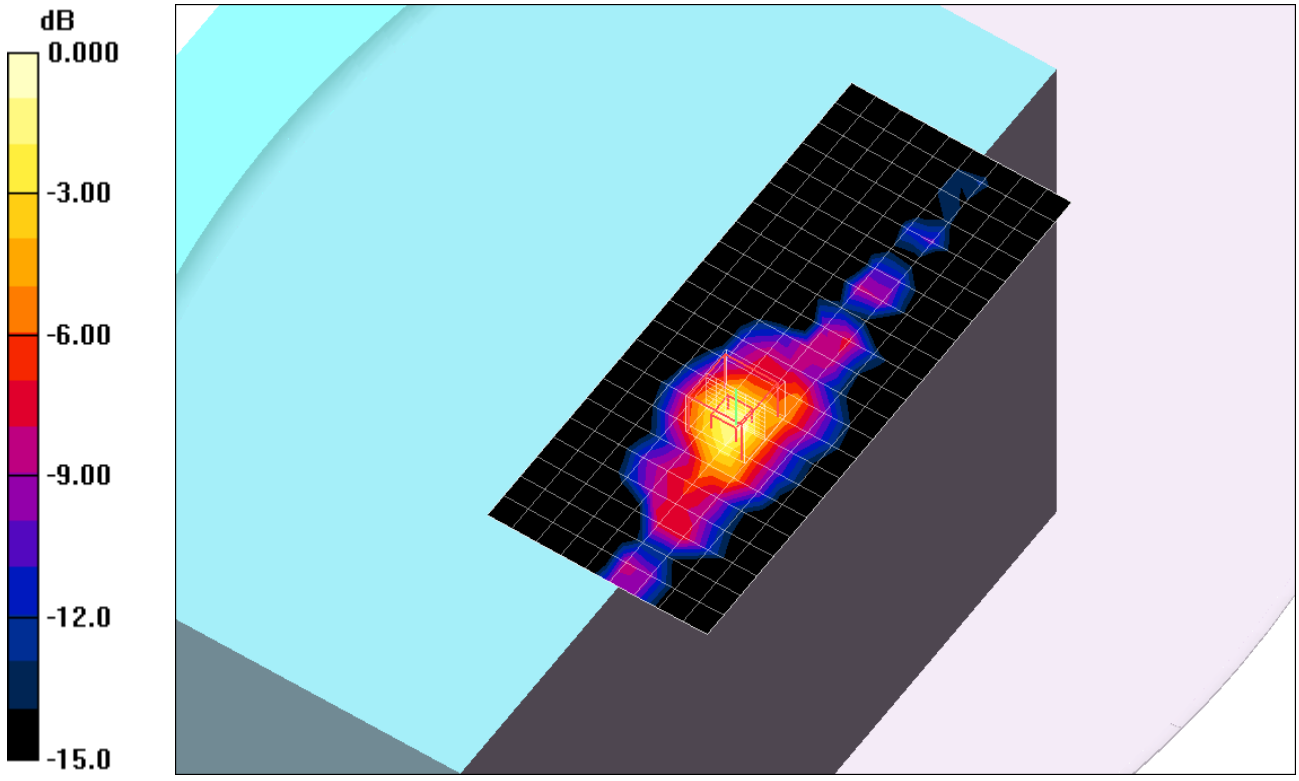
Test Laboratory: UL CCS SAR Lab D Date/Time: 2/6/2012 1:57:21 PM

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 = 5.46 mho/m; ε_r = 48.5; 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 46/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.923 mW/g

802.11n HT40,Chain 2_Ch 46/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.0 V/m; Power Drift = 0.059 dB
Peak SAR (extrapolated) = 2.35 W/kg
SAR(1 g) = 0.628 mW/g; SAR(10 g) = 0.216 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: 2/6/2012 12:48:30 PM

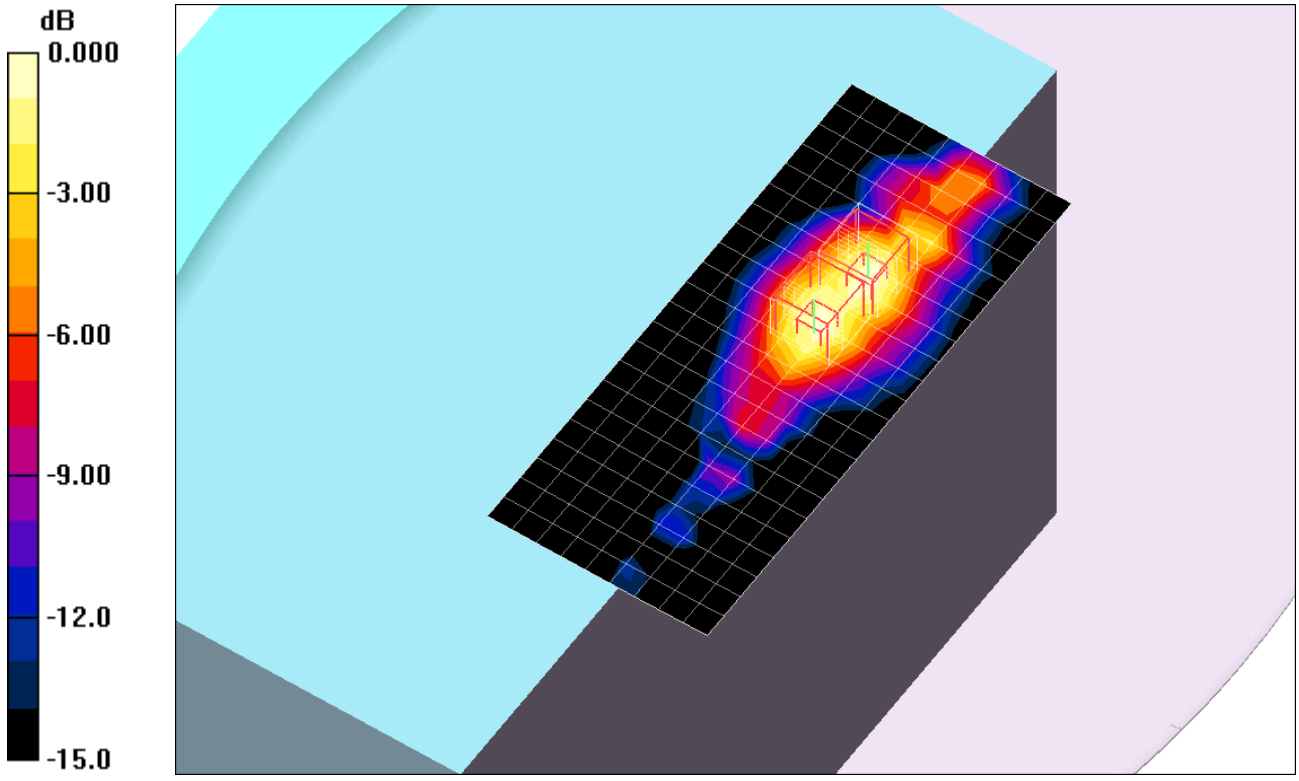
5GHz bands

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 = 5.46 mho/m; ε_r = 48.5; 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 46/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.844 mW/g

802.11n HT40,Chain 0_Ch 46/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.1 V/m; Power Drift = -0.163 dB
Peak SAR (extrapolated) = 2.06 W/kg
SAR(1 g) = 0.622 mW/g; SAR(10 g) = 0.222 mW/g
Maximum value of SAR (measured) = 1.07 mW/g

802.11n HT40,Chain 1_Ch 46/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.1 V/m; Power Drift = -0.163 dB
Peak SAR (extrapolated) = 1.79 W/kg
SAR(1 g) = 0.534 mW/g; SAR(10 g) = 0.212 mW/g
Maximum value of SAR (measured) = 0.863 mW/g



0 dB = 0.863mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 2/6/2012 12:06:32 PM

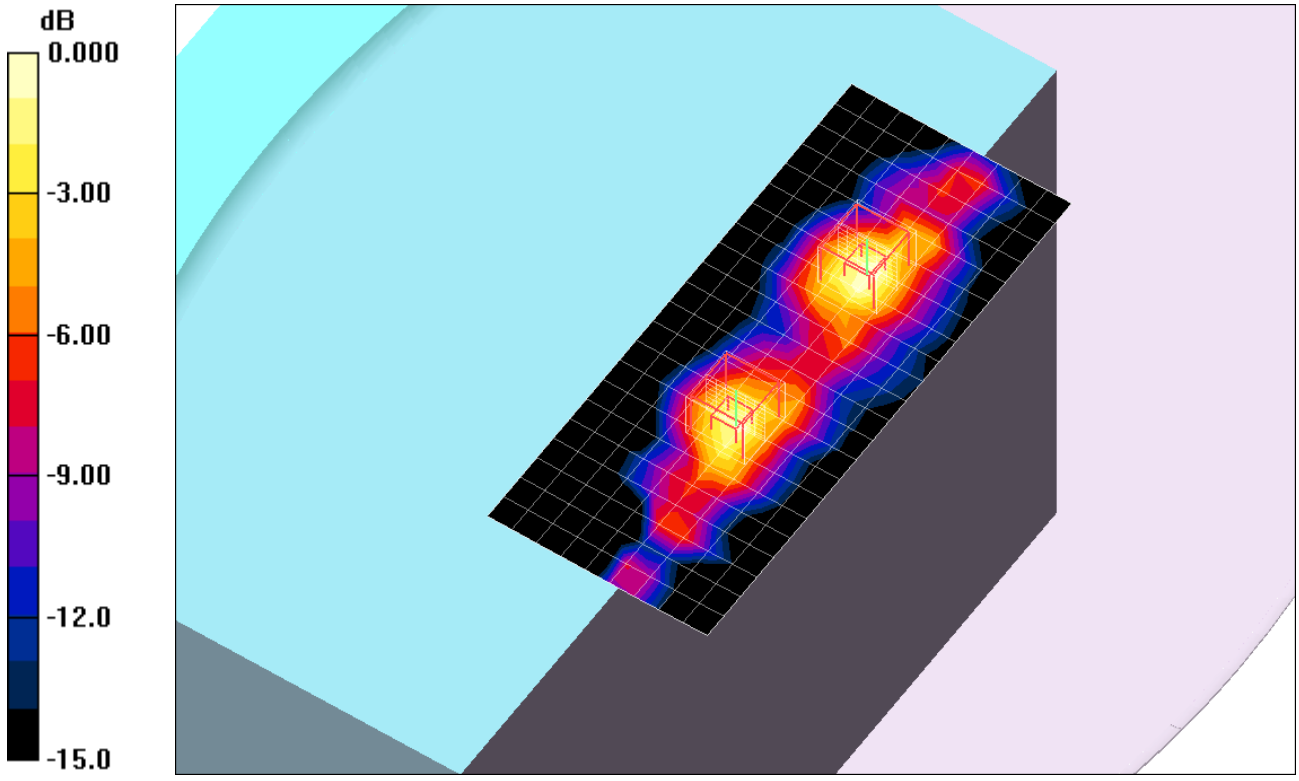
5GHz bands

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 = 5.35 mho/m; ε_r = 48.6; 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) = 0.801 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 = 13.0 V/m; Power Drift = 0.130 dB
Peak SAR (extrapolated) = 1.68 W/kg
SAR(1 g) = 0.501 mW/g; SAR(10 g) = 0.158 mW/g
Maximum value of SAR (measured) = 0.934 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 = 13.0 V/m; Power Drift = 0.130 dB
Peak SAR (extrapolated) = 1.60 W/kg
SAR(1 g) = 0.455 mW/g; SAR(10 g) = 0.159 mW/g
Maximum value of SAR (measured) = 0.778 mW/g



0 dB = 0.778mW/g

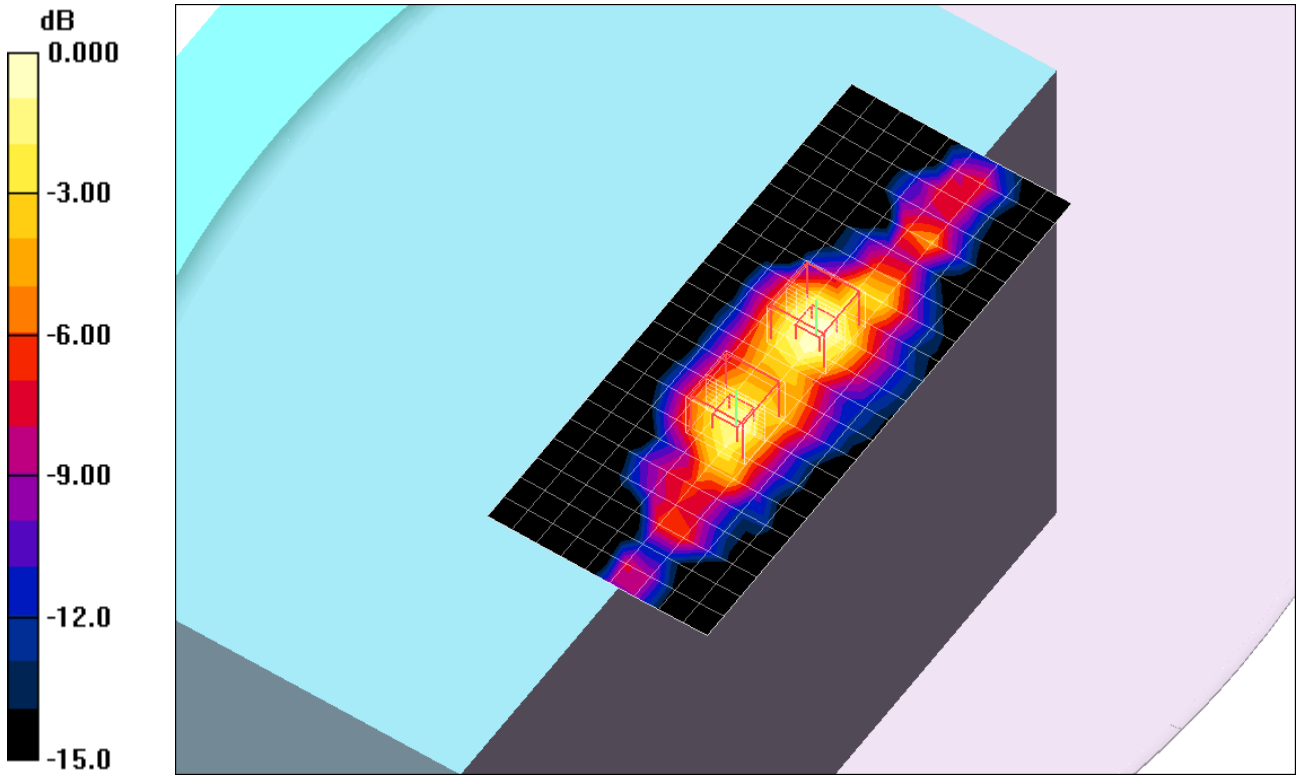
5GHz bands

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 = 5.35 mho/m; ε_r = 48.6; 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 38/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.806 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 = 13.7 V/m; Power Drift = 0.075 dB
Peak SAR (extrapolated) = 1.87 W/kg
SAR(1 g) = 0.558 mW/g; SAR(10 g) = 0.208 mW/g
Maximum value of SAR (measured) = 0.927 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 = 13.7 V/m; Power Drift = 0.075 dB
Peak SAR (extrapolated) = 1.64 W/kg
SAR(1 g) = 0.471 mW/g; SAR(10 g) = 0.169 mW/g
Maximum value of SAR (measured) = 0.819 mW/g



0 dB = 0.819mW/g

5GHz bands

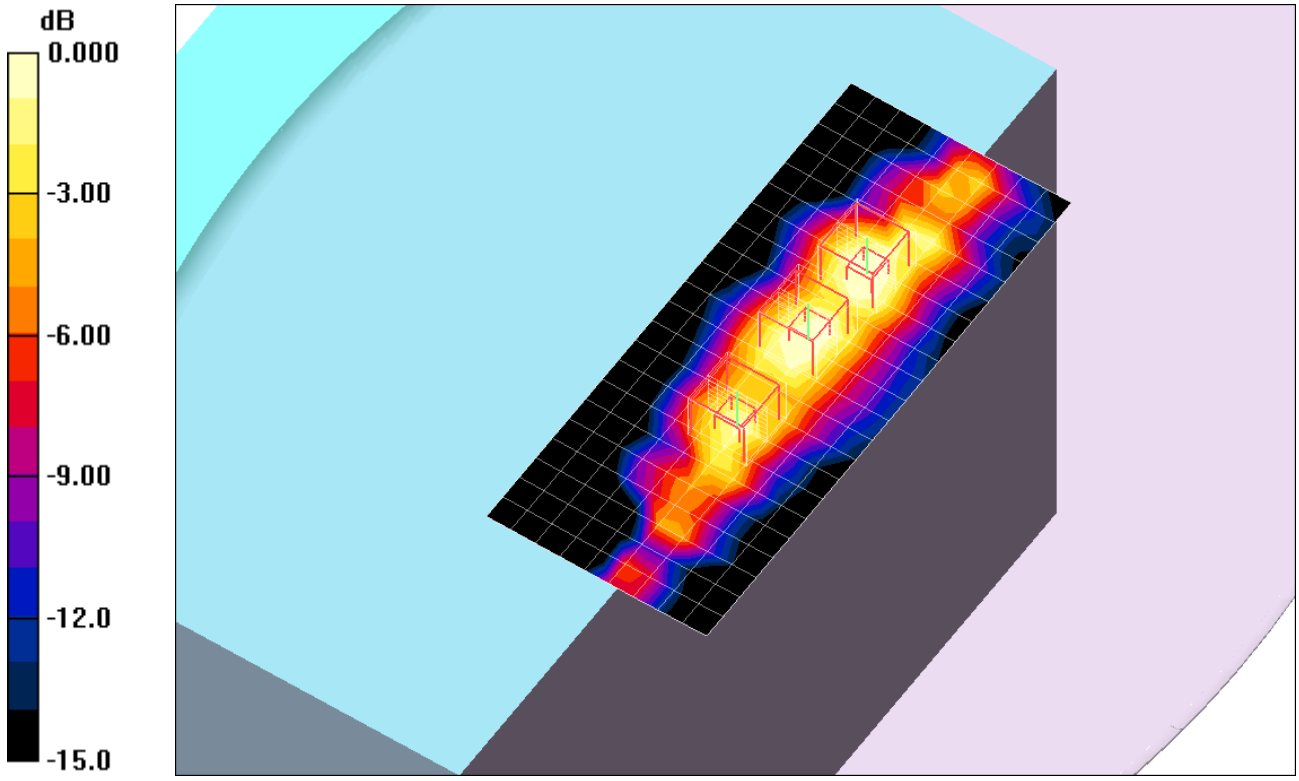
Frequency: 5190 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5190 MHz; σ = 5.35 mho/m; ε_r = 48.6; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.23, 4.23, 4.23); 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) = 0.960 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 = 14.9 V/m; Power Drift = 0.017 dB
Peak SAR (extrapolated) = 2.17 W/kg
SAR(1 g) = 0.651 mW/g; SAR(10 g) = 0.238 mW/g
Maximum value of SAR (measured) = 1.09 mW/g

802.11n HT40,Chain 1_Ch 38/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.9 V/m; Power Drift = 0.017 dB
Peak SAR (extrapolated) = 1.89 W/kg
SAR(1 g) = 0.586 mW/g; SAR(10 g) = 0.214 mW/g
Maximum value of SAR (measured) = 0.981 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 = 14.9 V/m; Power Drift = 0.017 dB
Peak SAR (extrapolated) = 1.55 W/kg
SAR(1 g) = 0.452 mW/g; SAR(10 g) = 0.159 mW/g
Maximum value of SAR (measured) = 0.775 mW/g



0 dB = 0.775mW/g

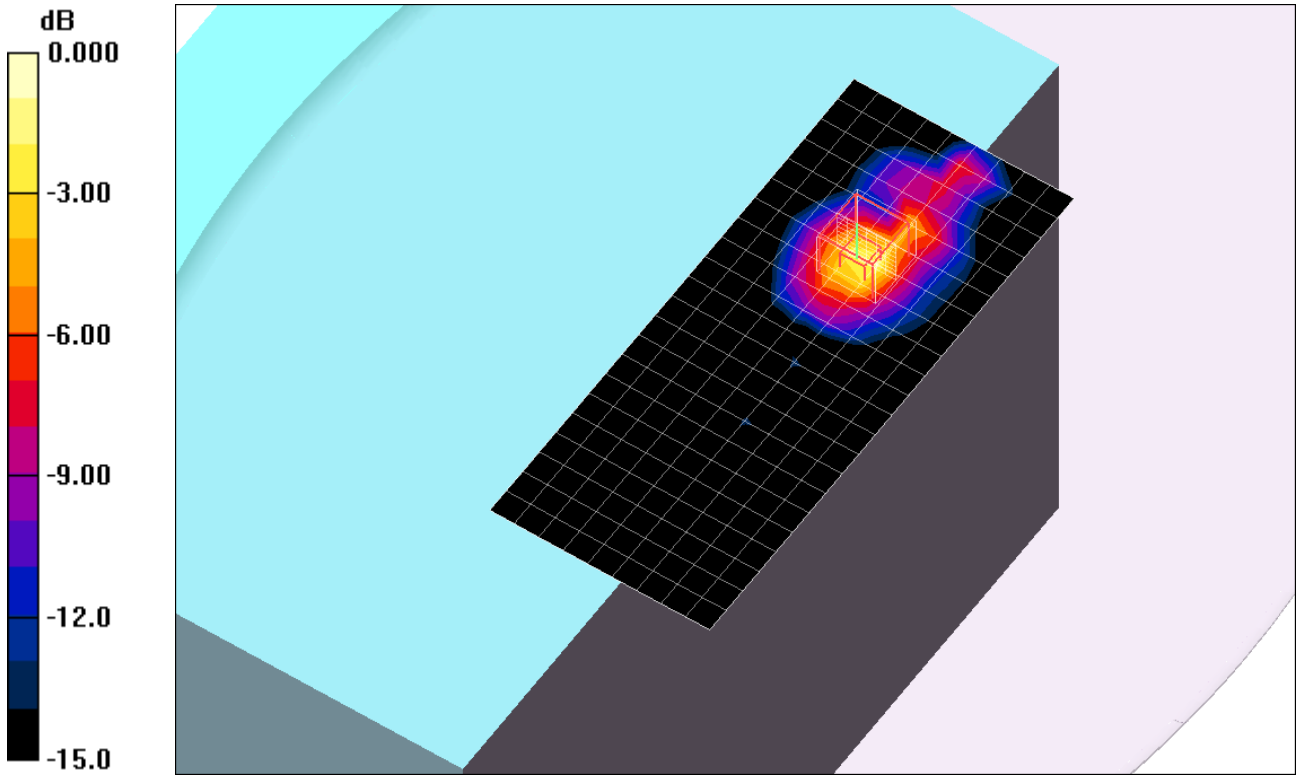
Test Laboratory: UL CCS SAR Lab D Date/Time: 1/31/2012 2:52:27 AM

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 = 5.47 mho/m; ε_r = 48.6; 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) = 0.840 mW/g

802.11a, Chain 0_Ch 60/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 13.8 V/m; Power Drift = 0.134 dB
Peak SAR (extrapolated) = 2.56 W/kg
SAR(1 g) = 0.747 mW/g; SAR(10 g) = 0.247 mW/g
Maximum value of SAR (measured) = 1.22 mW/g



0 dB = 1.22mW/g

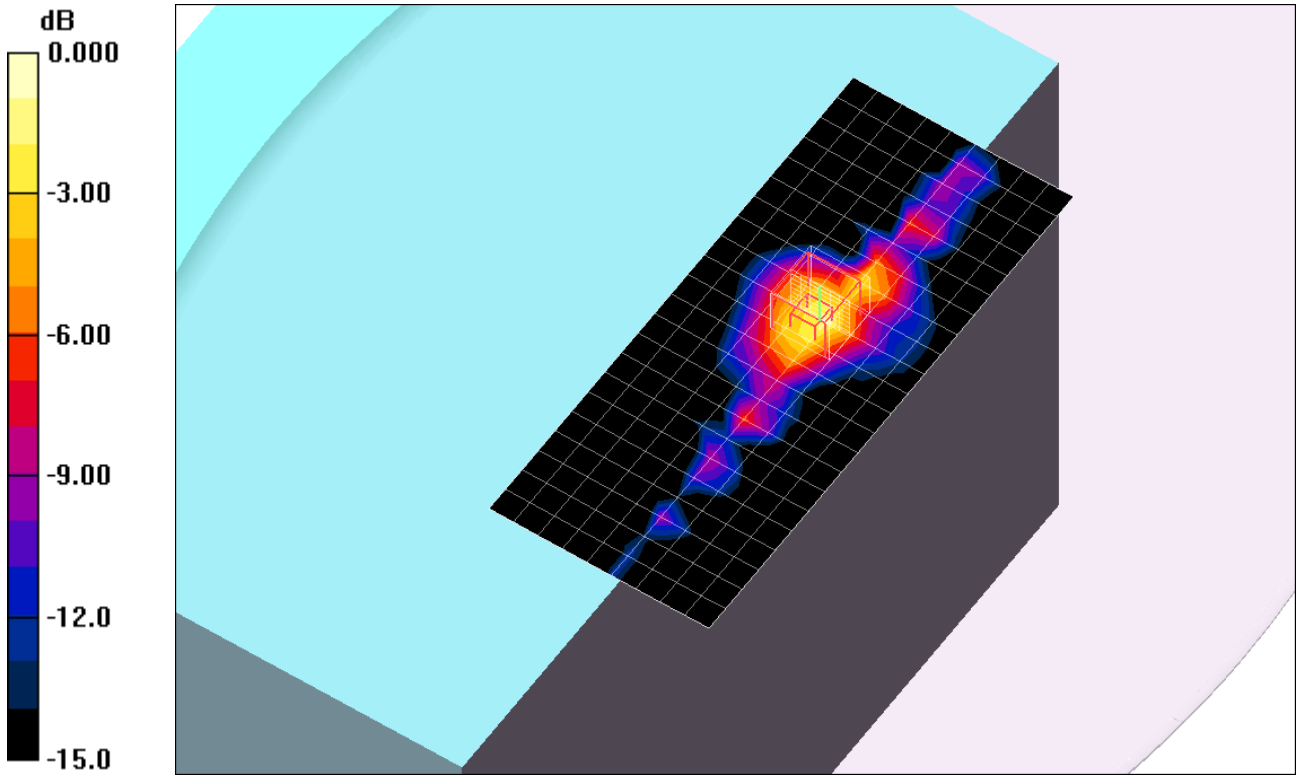
Test Laboratory: UL CCS SAR Lab D Date/Time: 1/31/2012 2:23:58 AM

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 = 5.5 mho/m; ε_r = 48.5; 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 64/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.781 mW/g

802.11a, Chain 1_Ch 64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.2 V/m; Power Drift = 0.121 dB
Peak SAR (extrapolated) = 2.24 W/kg
SAR(1 g) = 0.639 mW/g; SAR(10 g) = 0.225 mW/g
Maximum value of SAR (measured) = 1.07 mW/g



0 dB = 1.07mW/g

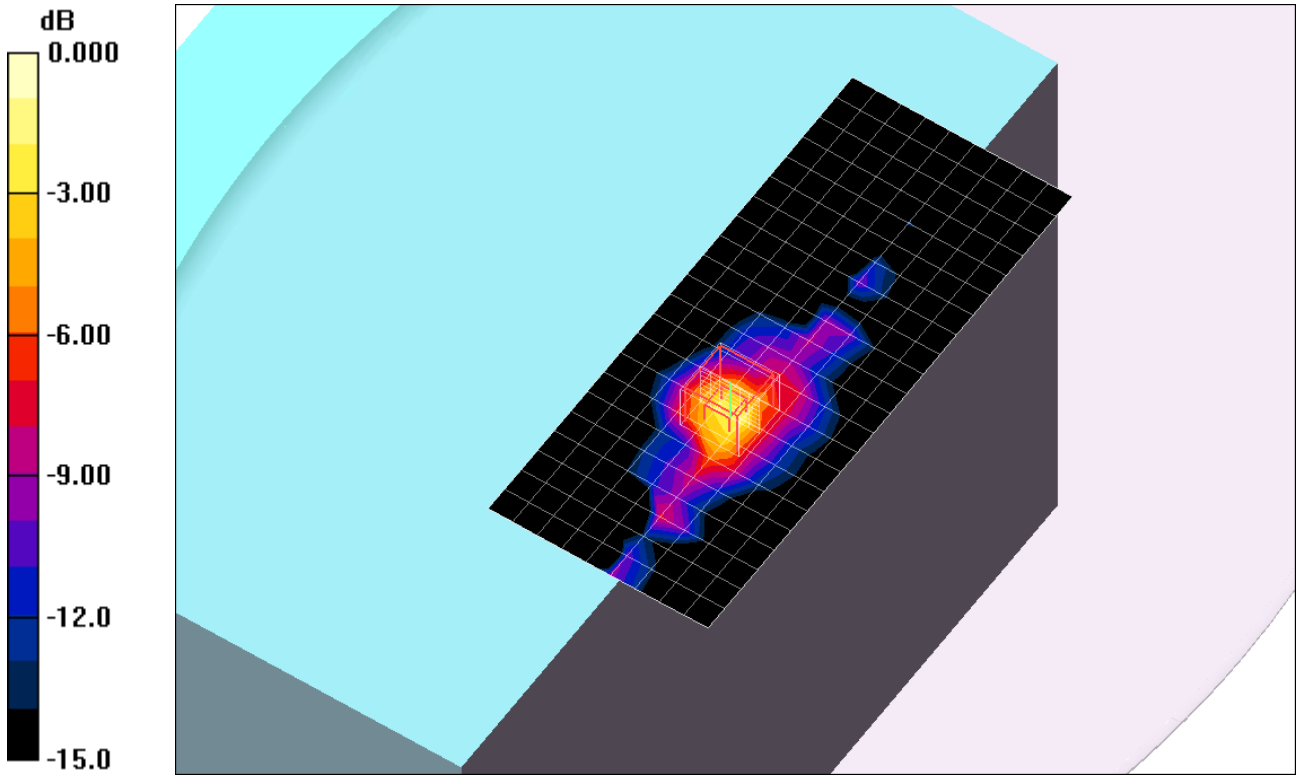
Test Laboratory: UL CCS SAR Lab D Date/Time: 1/31/2012 1:54:46 AM

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 = 5.47 mho/m; ε_r = 48.6; 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 60/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.753 mW/g

802.11a, Chain 2_Ch 60/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 13.3 V/m; Power Drift = 0.124 dB
Peak SAR (extrapolated) = 2.58 W/kg
SAR(1 g) = 0.745 mW/g; SAR(10 g) = 0.249 mW/g
Maximum value of SAR (measured) = 1.24 mW/g



0 dB = 1.24mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 1/31/2012 12:16:02 AM

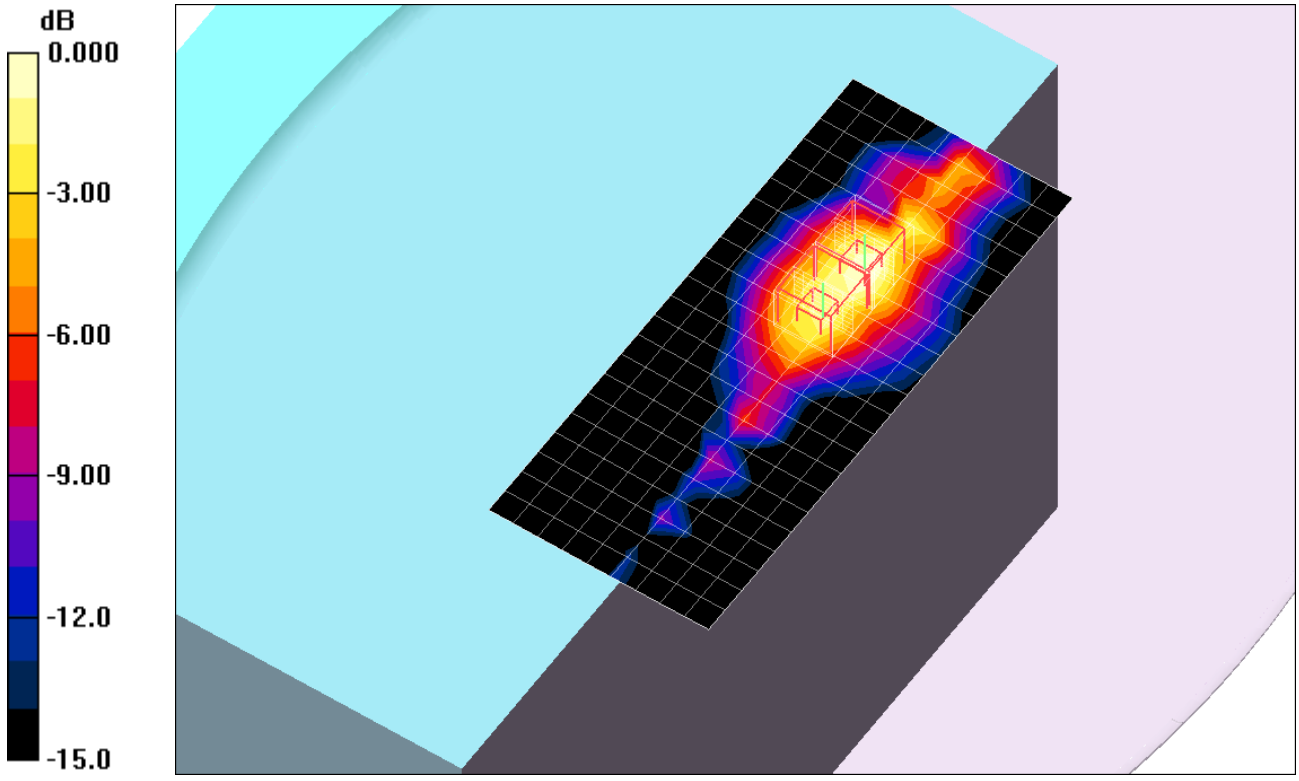
5GHz bands

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 = 5.42 mho/m; ε_r = 48.7; 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) = 1.07 mW/g

802.11n HT20,Chain 0_Ch 52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.4 V/m; Power Drift = 0.118 dB
Peak SAR (extrapolated) = 3.04 W/kg
SAR(1 g) = 0.929 mW/g; SAR(10 g) = 0.329 mW/g
Maximum value of SAR (measured) = 1.58 mW/g

802.11n HT20,Chain 1_Ch 52/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.4 V/m; Power Drift = 0.118 dB
Peak SAR (extrapolated) = 1.94 W/kg
SAR(1 g) = 0.595 mW/g; SAR(10 g) = 0.241 mW/g
Maximum value of SAR (measured) = 0.997 mW/g



0 dB = 0.997mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 1/31/2012 12:57:36 AM

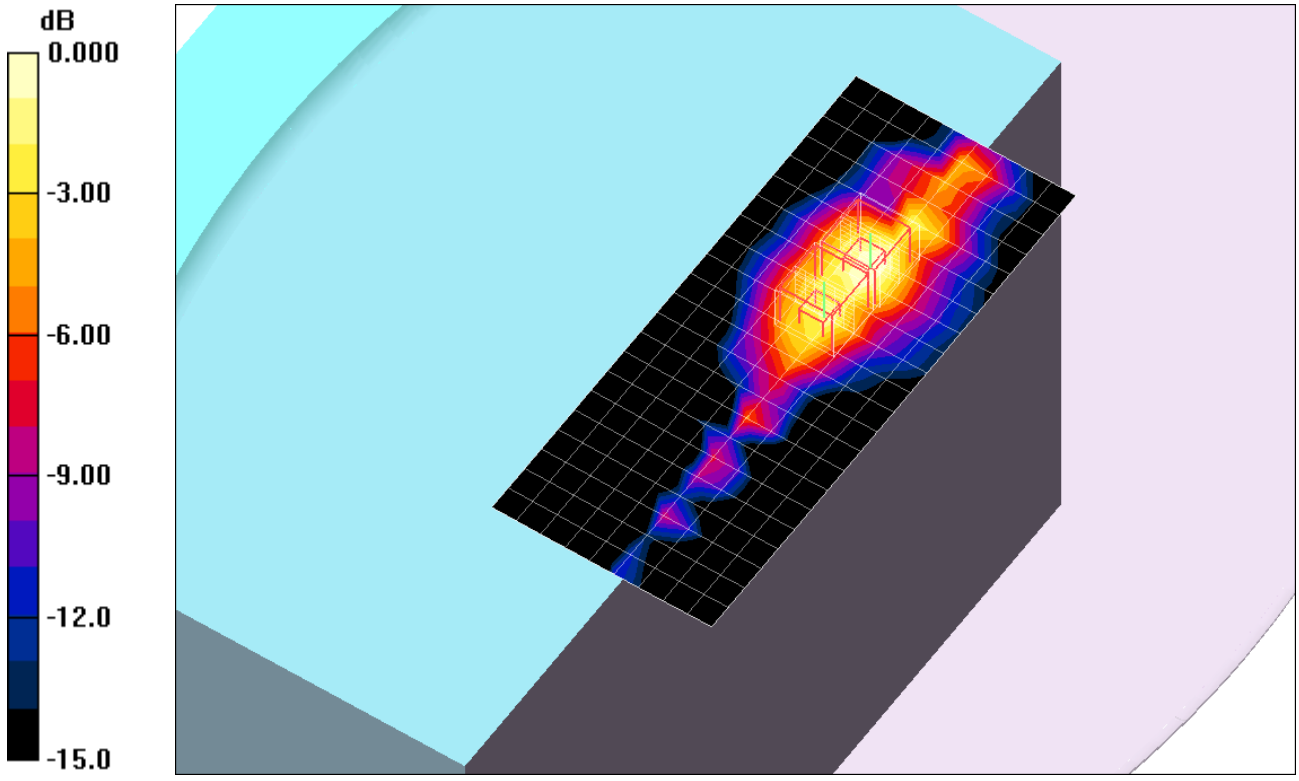
5GHz bands

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 = 5.5 mho/m; ε_r = 48.5; 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 60/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.19 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 = 17.1 V/m; Power Drift = 0.132 dB
Peak SAR (extrapolated) = 3.39 W/kg
SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.352 mW/g
Maximum value of SAR (measured) = 1.70 mW/g

802.11n HT20,Chain 1_Ch 60/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 17.1 V/m; Power Drift = 0.132 dB
Peak SAR (extrapolated) = 2.17 W/kg
SAR(1 g) = 0.641 mW/g; SAR(10 g) = 0.245 mW/g
Maximum value of SAR (measured) = 1.09 mW/g



0 dB = 1.09mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 1/30/2012 10:55:41 PM

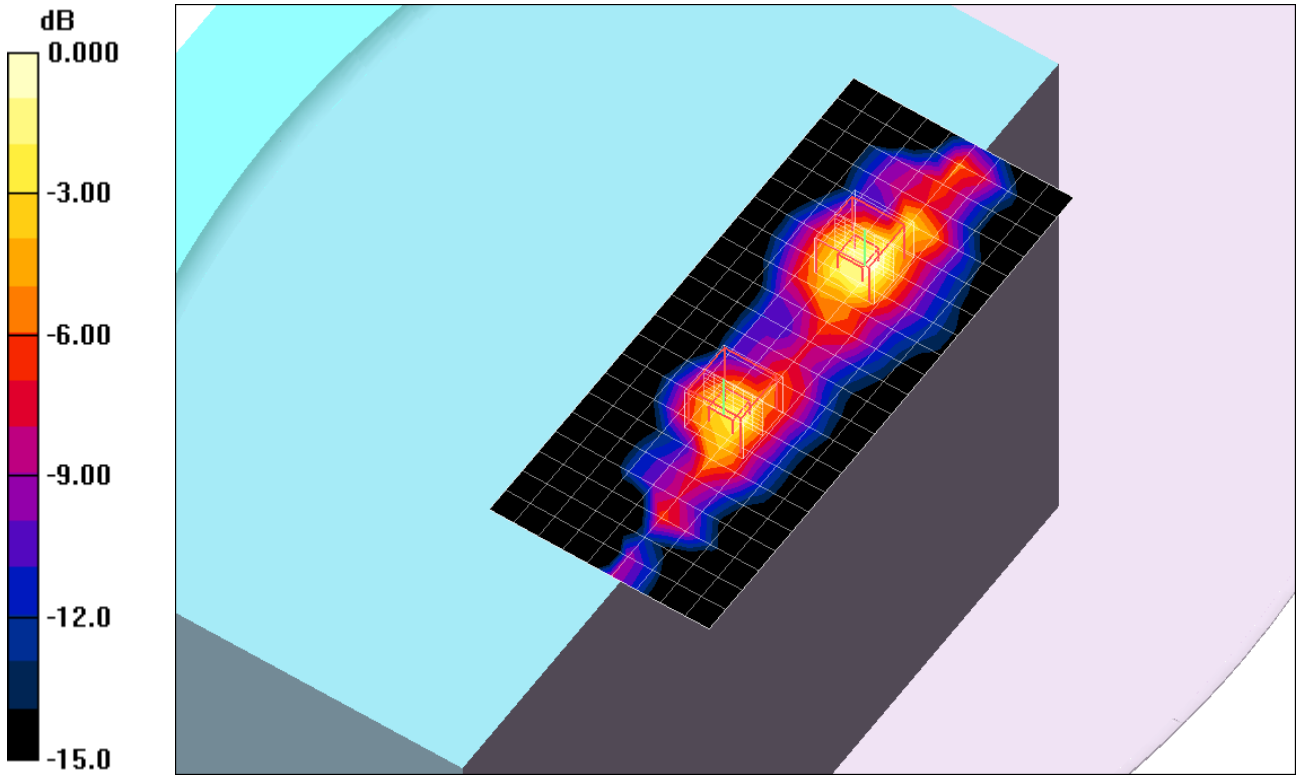
5GHz bands

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 = 5.42 mho/m; ε_r = 48.7; 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 52/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.975 mW/g

802.11n HT20,Chain 0_Ch 52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.1 V/m; Power Drift = 0.129 dB
Peak SAR (extrapolated) = 2.91 W/kg
SAR(1 g) = 0.868 mW/g; SAR(10 g) = 0.298 mW/g
Maximum value of SAR (measured) = 1.44 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 = 15.1 V/m; Power Drift = 0.129 dB
Peak SAR (extrapolated) = 2.17 W/kg
SAR(1 g) = 0.624 mW/g; SAR(10 g) = 0.208 mW/g
Maximum value of SAR (measured) = 1.08 mW/g



0 dB = 1.08mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 1/30/2012 9:35:56 PM

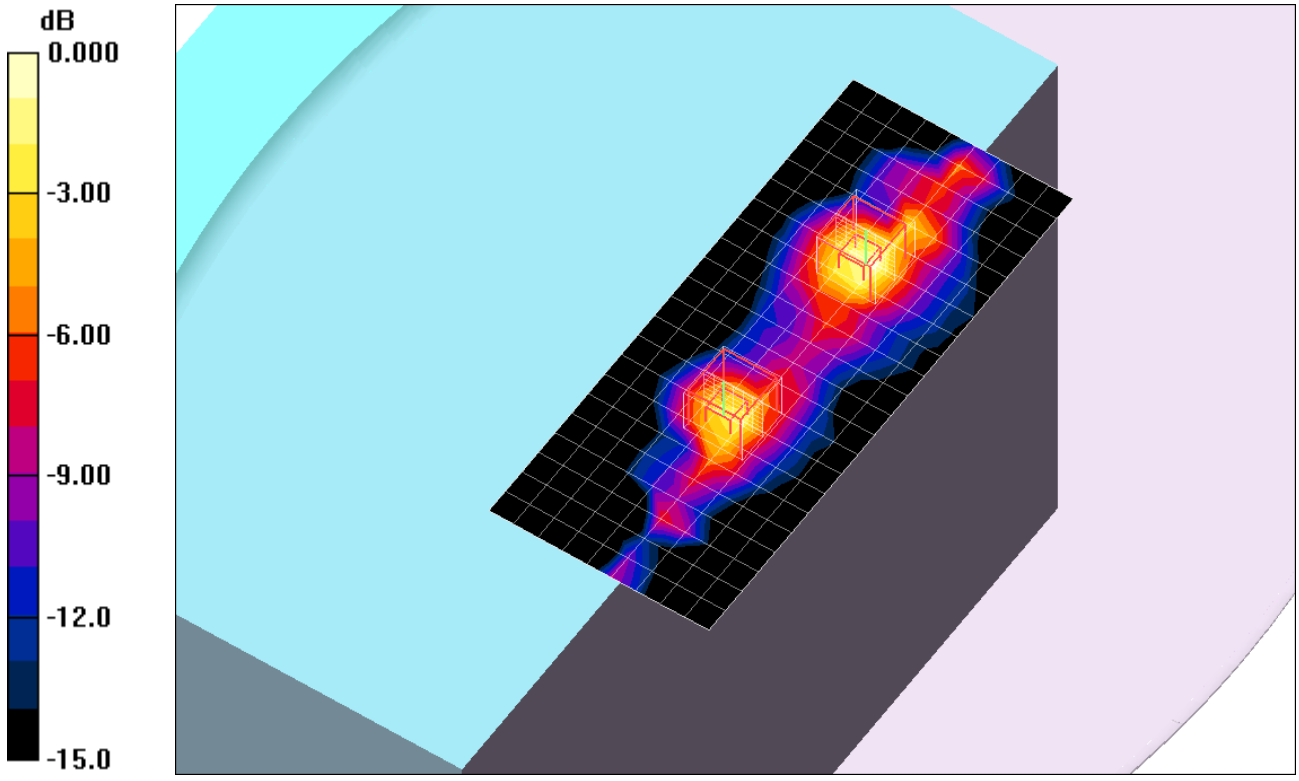
5GHz bands

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 = 5.5 mho/m; ε_r = 48.5; 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) = 1.02 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 = 15.4 V/m; Power Drift = 0.153 dB
Peak SAR (extrapolated) = 3.01 W/kg
SAR(1 g) = 0.880 mW/g; SAR(10 g) = 0.299 mW/g
Maximum value of SAR (measured) = 1.49 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 = 15.4 V/m; Power Drift = 0.153 dB
Peak SAR (extrapolated) = 2.33 W/kg
SAR(1 g) = 0.689 mW/g; SAR(10 g) = 0.230 mW/g
Maximum value of SAR (measured) = 1.17 mW/g



0 dB = 1.17mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 1/30/2012 8:56:31 PM

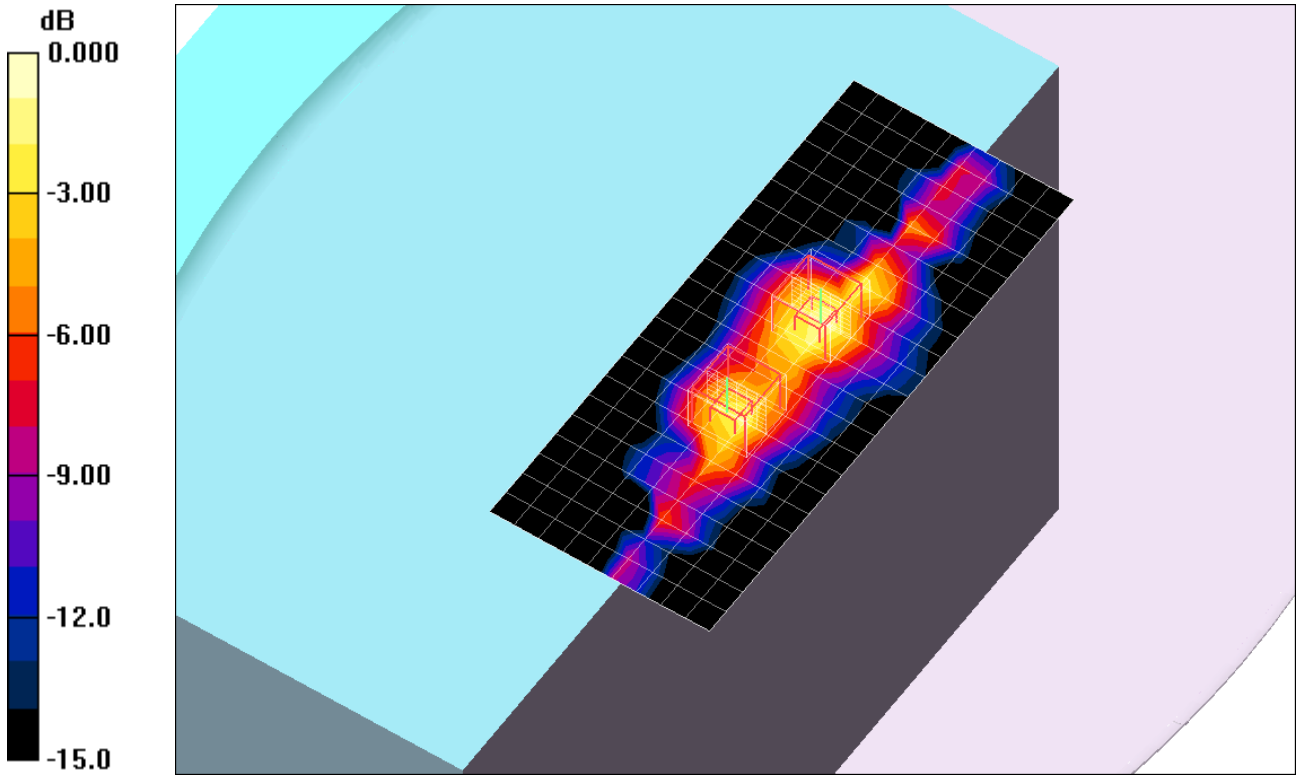
5GHz bands

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 = 5.42 mho/m; ε_r = 48.7; 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) = 0.962 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 = 0.147 dB
Peak SAR (extrapolated) = 2.54 W/kg
SAR(1 g) = 0.778 mW/g; SAR(10 g) = 0.288 mW/g
Maximum value of SAR (measured) = 1.30 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 = 16.0 V/m; Power Drift = 0.147 dB
Peak SAR (extrapolated) = 2.33 W/kg
SAR(1 g) = 0.694 mW/g; SAR(10 g) = 0.238 mW/g
Maximum value of SAR (measured) = 1.13 mW/g



0 dB = 1.13mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 1/30/2012 7:03:47 PM

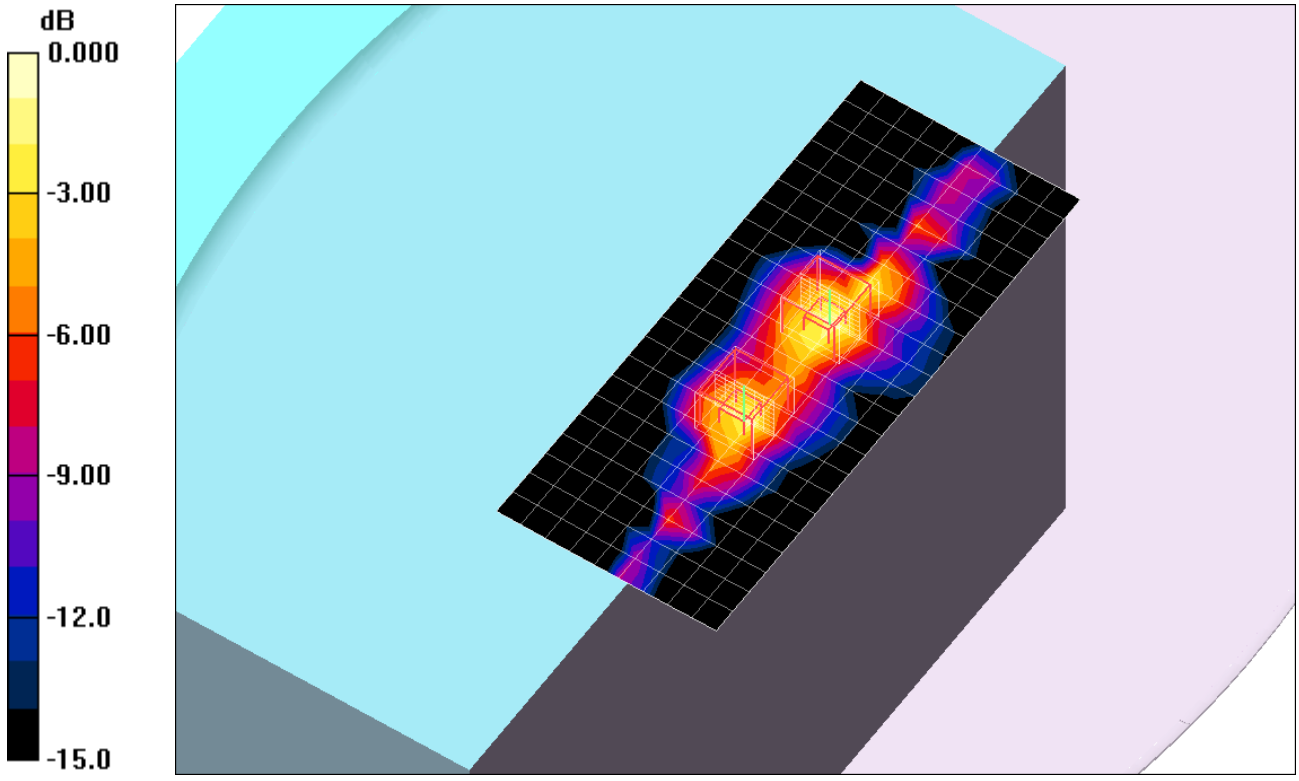
5GHz bands

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 = 5.5 mho/m; ε_r = 48.5; 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 2 (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.07 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 = 17.0 V/m; Power Drift = 0.120 dB
Peak SAR (extrapolated) = 2.83 W/kg
SAR(1 g) = 0.841 mW/g; SAR(10 g) = 0.297 mW/g
Maximum value of SAR (measured) = 1.43 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 = 17.0 V/m; Power Drift = 0.120 dB
Peak SAR (extrapolated) = 2.66 W/kg
SAR(1 g) = 0.809 mW/g; SAR(10 g) = 0.271 mW/g
Maximum value of SAR (measured) = 1.35 mW/g



0 dB = 1.35mW/g

5GHz bands

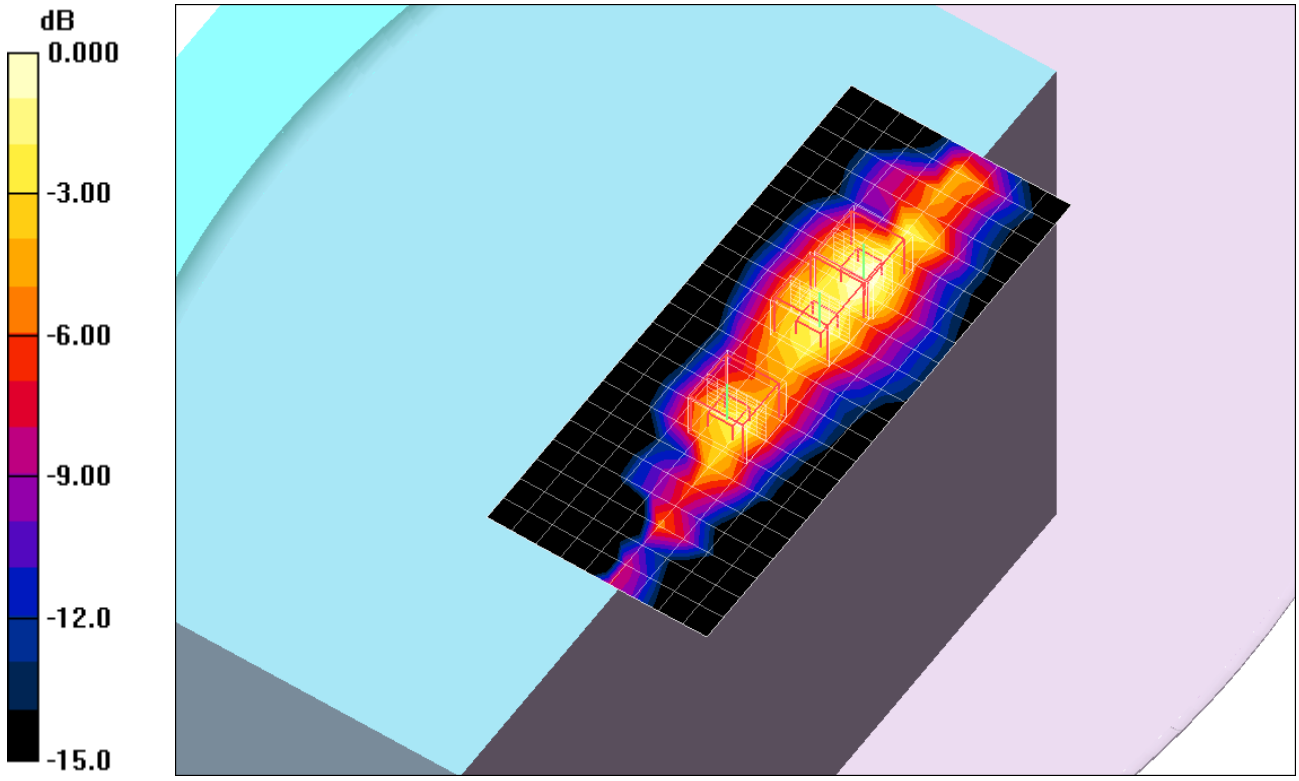
Frequency: 5260 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5260 MHz; σ = 5.42 mho/m; ε_r = 48.7; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3773; ConvF(3.88, 3.88, 3.88); 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) = 1.29 mW/g

802.11n HT20,Chain 0_Ch 52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 18.2 V/m; Power Drift = 0.094 dB
Peak SAR (extrapolated) = 3.36 W/kg
SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.369 mW/g
Maximum value of SAR (measured) = 1.78 mW/g

802.11n HT20,Chain 1_Ch 52/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 18.2 V/m; Power Drift = 0.094 dB
Peak SAR (extrapolated) = 2.53 W/kg
SAR(1 g) = 0.764 mW/g; SAR(10 g) = 0.296 mW/g
Maximum value of SAR (measured) = 1.30 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 = 18.2 V/m; Power Drift = 0.094 dB
Peak SAR (extrapolated) = 2.40 W/kg
SAR(1 g) = 0.723 mW/g; SAR(10 g) = 0.246 mW/g
Maximum value of SAR (measured) = 1.21 mW/g



0 dB = 1.21mW/g

5GHz bands

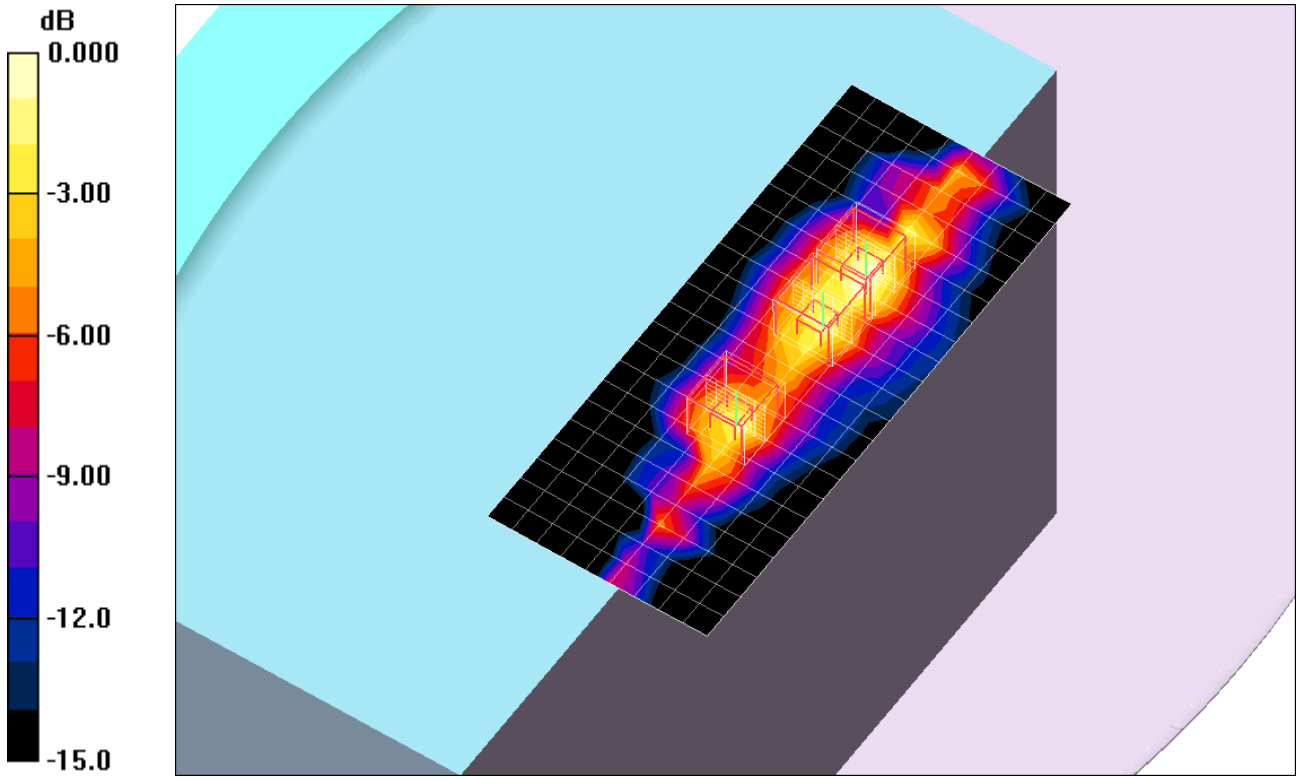
Frequency: 5320 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5320 MHz; σ = 5.5 mho/m; ε_r = 48.5; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3773; ConvF(3.88, 3.88, 3.88); 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 64/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.30 mW/g

802.11n HT20,Chain 0_Ch 64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 18.3 V/m; Power Drift = 0.073 dB
Peak SAR (extrapolated) = 3.57 W/kg
SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.382 mW/g
Maximum value of SAR (measured) = 1.85 mW/g

802.11n HT20,Chain 1_Ch 64/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 18.3 V/m; Power Drift = 0.073 dB
Peak SAR (extrapolated) = 2.75 W/kg
SAR(1 g) = 0.810 mW/g; SAR(10 g) = 0.296 mW/g
Maximum value of SAR (measured) = 1.39 mW/g

802.11n HT20,Chain 2_Ch 64/Zoom Scan (7x7x9)/Cube 2: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 18.3 V/m; Power Drift = 0.073 dB
Peak SAR (extrapolated) = 2.71 W/kg
SAR(1 g) = 0.822 mW/g; SAR(10 g) = 0.276 mW/g
Maximum value of SAR (measured) = 1.36 mW/g



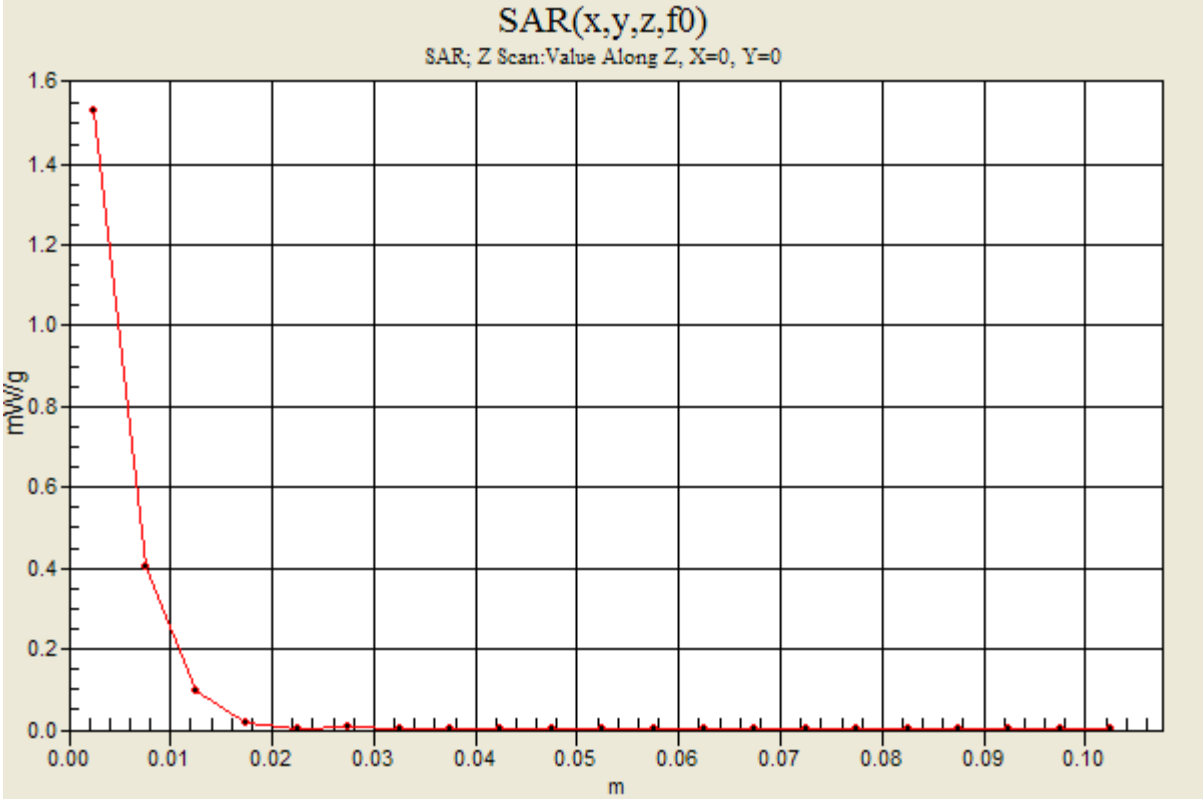
0 dB = 1.36mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 1/30/2012 6:50:08 PM

5GHz bands

Frequency: 5320 MHz; Duty Cycle: 1:1

802.11n HT20,Chain 0,1,2_Ch 64/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 1.53 mW/g



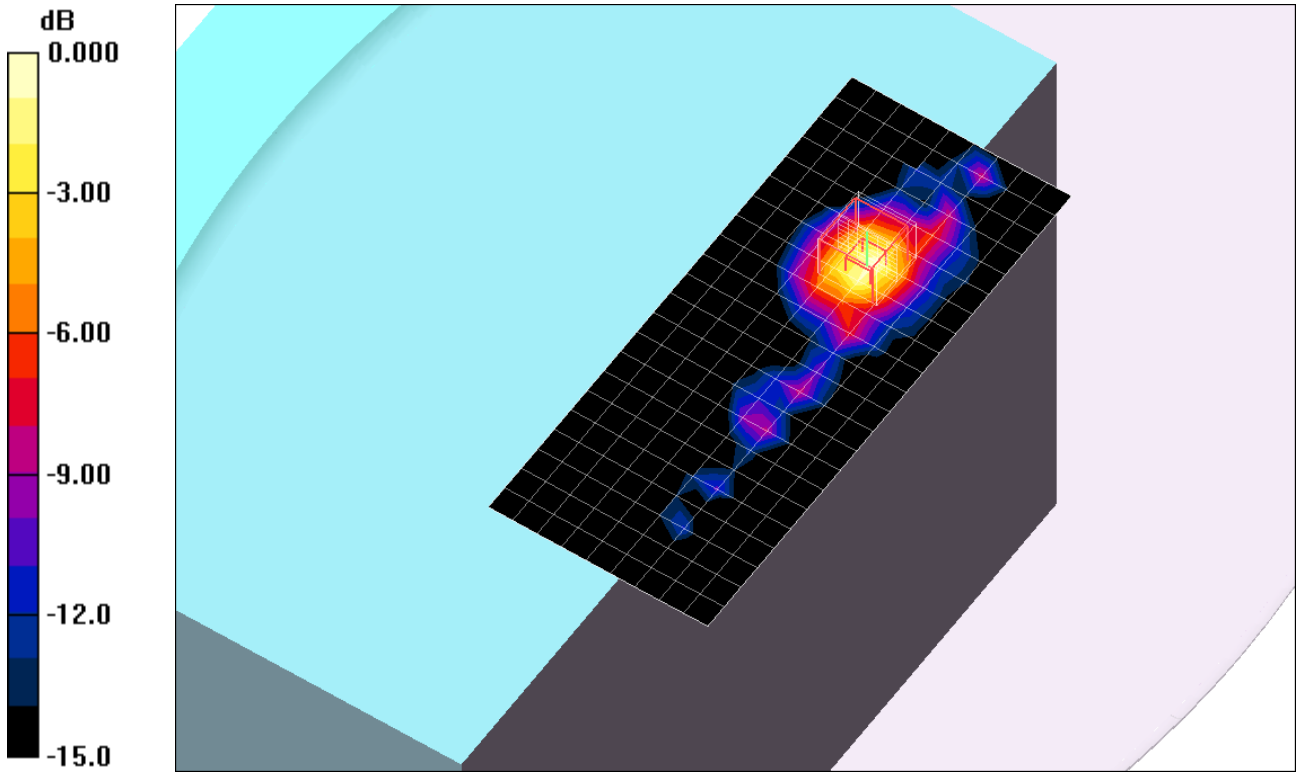
Test Laboratory: UL CCS SAR Lab D Date/Time: 1/31/2012 10:28:50 PM

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 = 5.61 mho/m; ε_r = 49.1; 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) = 1.34 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 = -0.054 dB
Peak SAR (extrapolated) = 2.86 W/kg
SAR(1 g) = 0.799 mW/g; SAR(10 g) = 0.275 mW/g
Maximum value of SAR (measured) = 1.43 mW/g



0 dB = 1.43mW/g

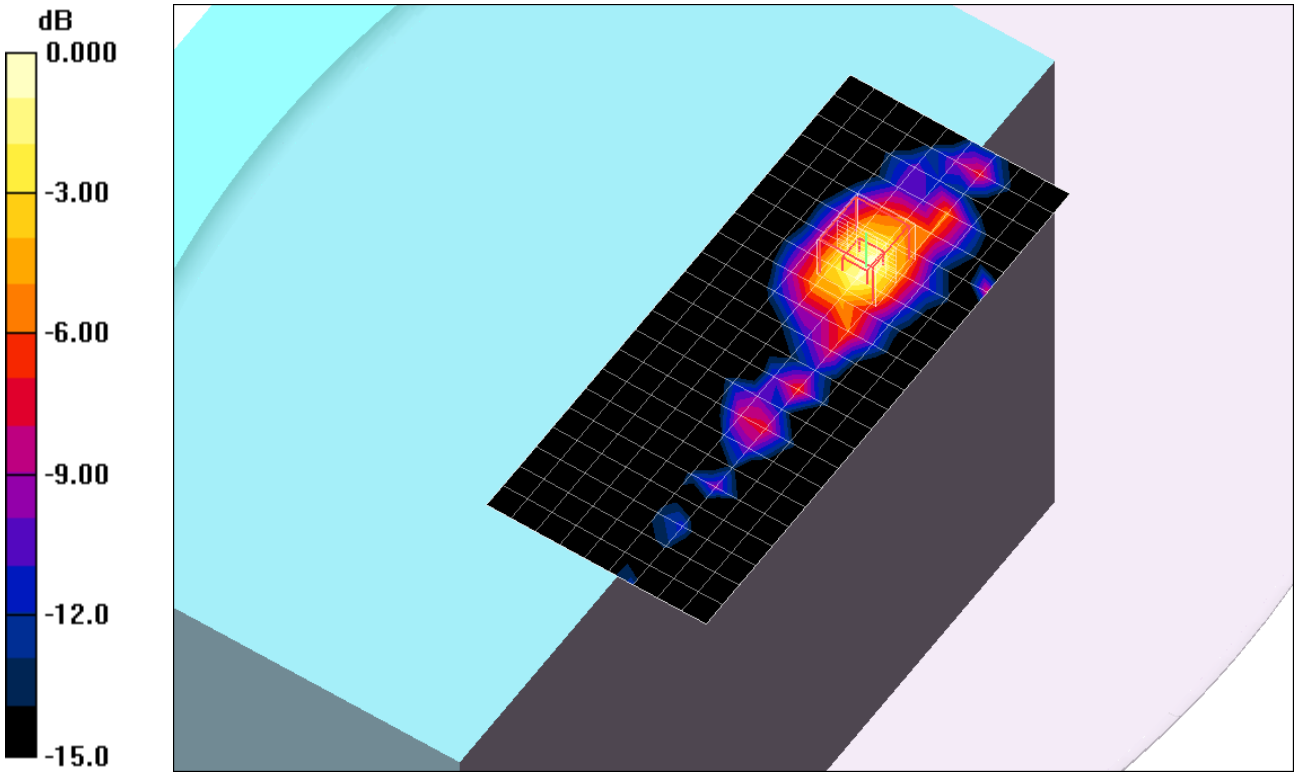
Test Laboratory: UL CCS SAR Lab D Date/Time: 1/31/2012 10:57:20 PM

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 = 5.7 mho/m; ε_r = 48.9; 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 120/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.18 mW/g

802.11a, Chain 0_Ch 120/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.4 V/m; Power Drift = -0.069 dB
Peak SAR (extrapolated) = 2.49 W/kg
SAR(1 g) = 0.714 mW/g; SAR(10 g) = 0.247 mW/g
Maximum value of SAR (measured) = 1.28 mW/g



0 dB = 1.28mW/g

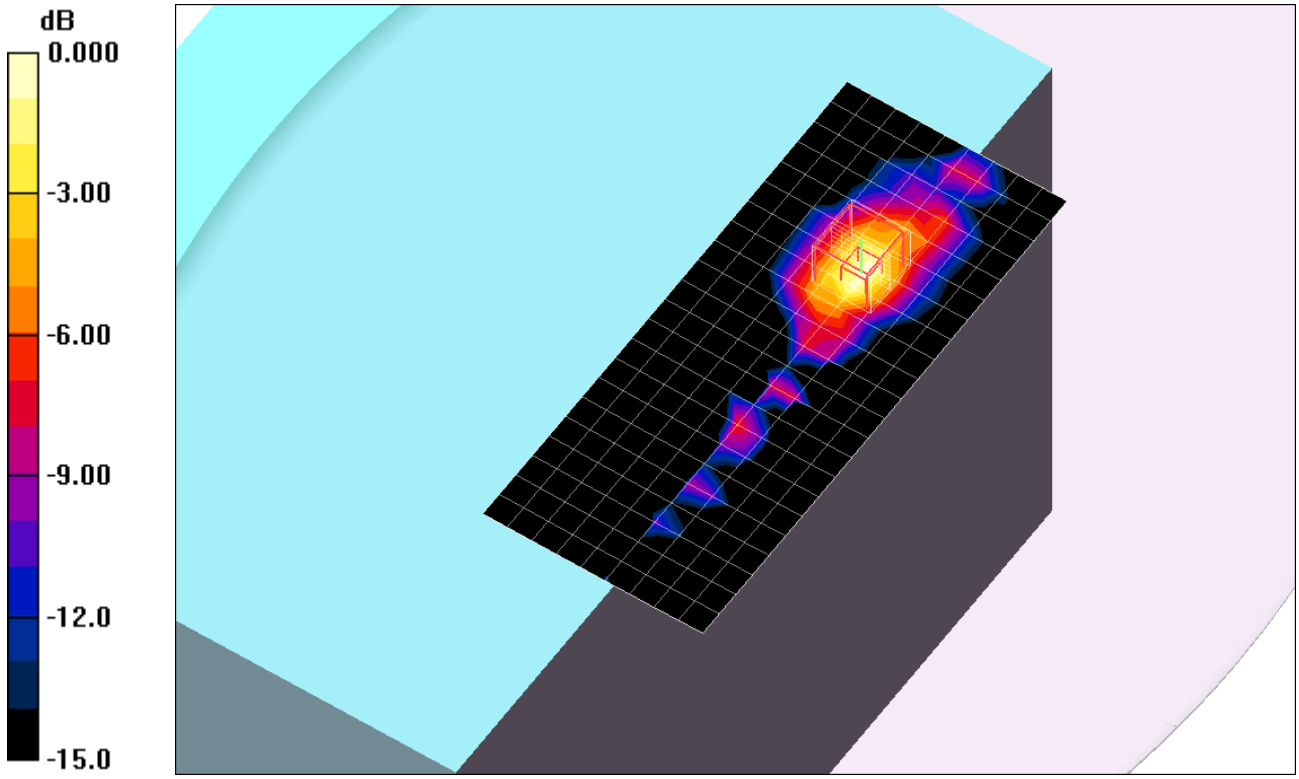
Test Laboratory: UL CCS SAR Lab D Date/Time: 2/15/2012 2:49:34 PM

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) = 0.978 mW/g

802.11a, Chain 0_Ch 124/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.0 V/m; Power Drift = -0.067 dB
Peak SAR (extrapolated) = 1.97 W/kg
SAR(1 g) = 0.574 mW/g; SAR(10 g) = 0.198 mW/g
Maximum value of SAR (measured) = 1.01 mW/g



0 dB = 1.01mW/g

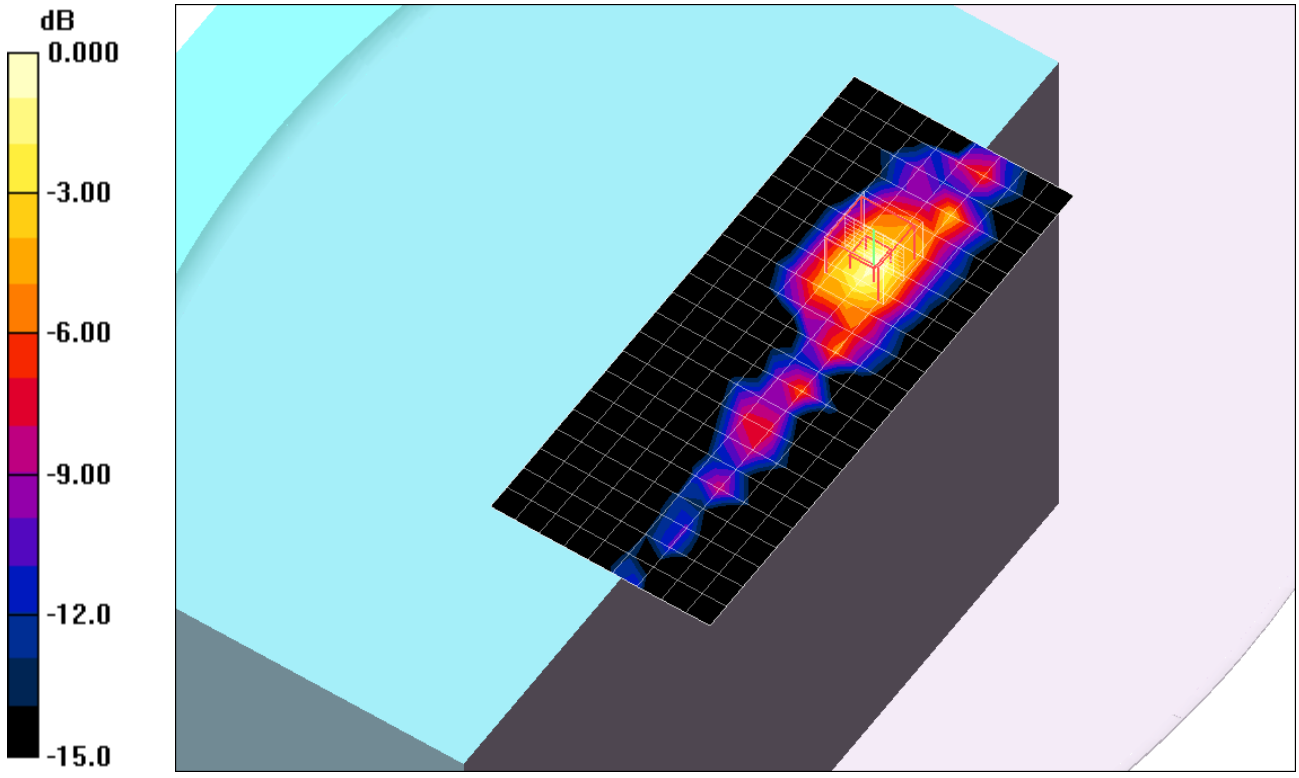
Test Laboratory: UL CCS SAR Lab D Date/Time: 1/31/2012 11:26:07 PM

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 = 5.84 mho/m; ε_r = 48.7; 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) = 0.992 mW/g

802.11a, Chain 0_Ch 140/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 13.8 V/m; Power Drift = -0.054 dB
Peak SAR (extrapolated) = 1.93 W/kg
SAR(1 g) = 0.549 mW/g; SAR(10 g) = 0.192 mW/g
Maximum value of SAR (measured) = 0.987 mW/g



0 dB = 0.987mW/g

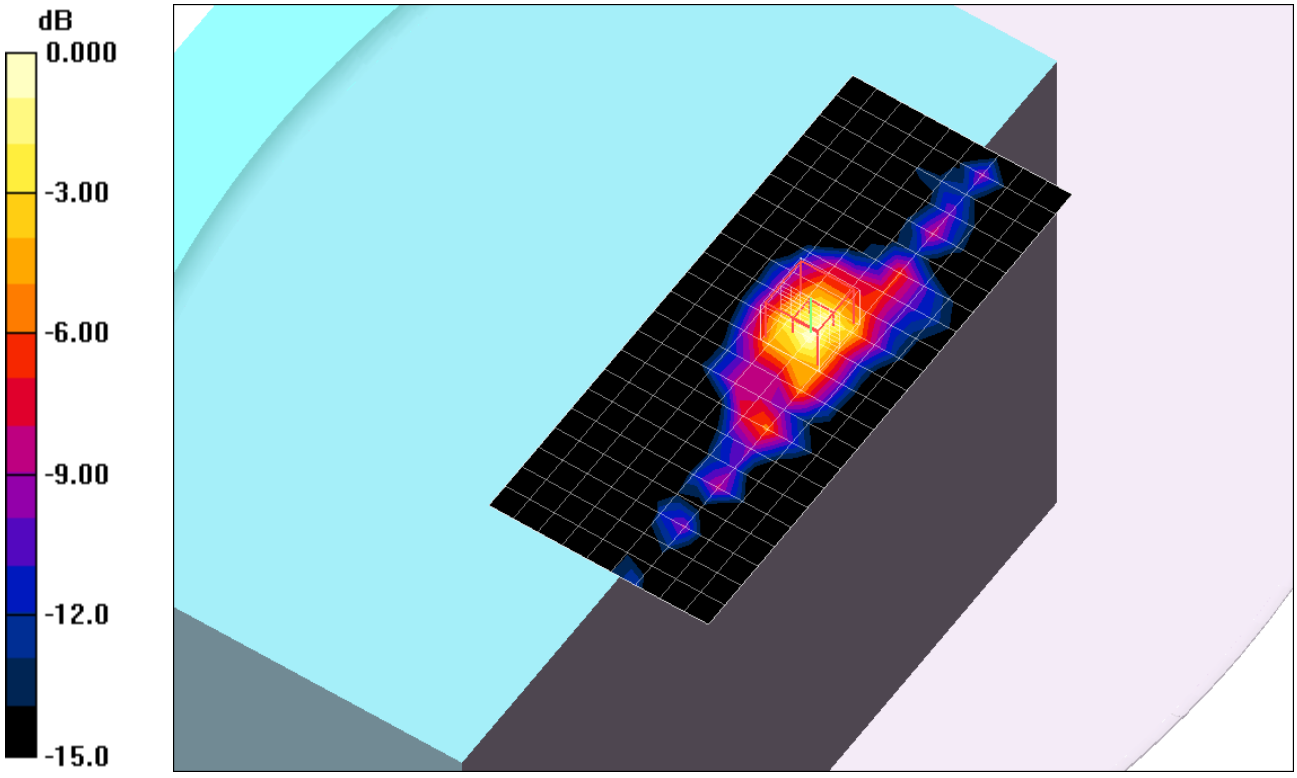
Test Laboratory: UL CCS SAR Lab D Date/Time: 1/31/2012 9:01:47 PM

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 = 5.61 mho/m; ε_r = 49.1; 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) = 1.30 mW/g

802.11a, Chain 1_Ch 100/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.9 V/m; Power Drift = 0.167 dB
Peak SAR (extrapolated) = 2.74 W/kg
SAR(1 g) = 0.774 mW/g; SAR(10 g) = 0.262 mW/g
Maximum value of SAR (measured) = 1.37 mW/g



0 dB = 1.37mW/g

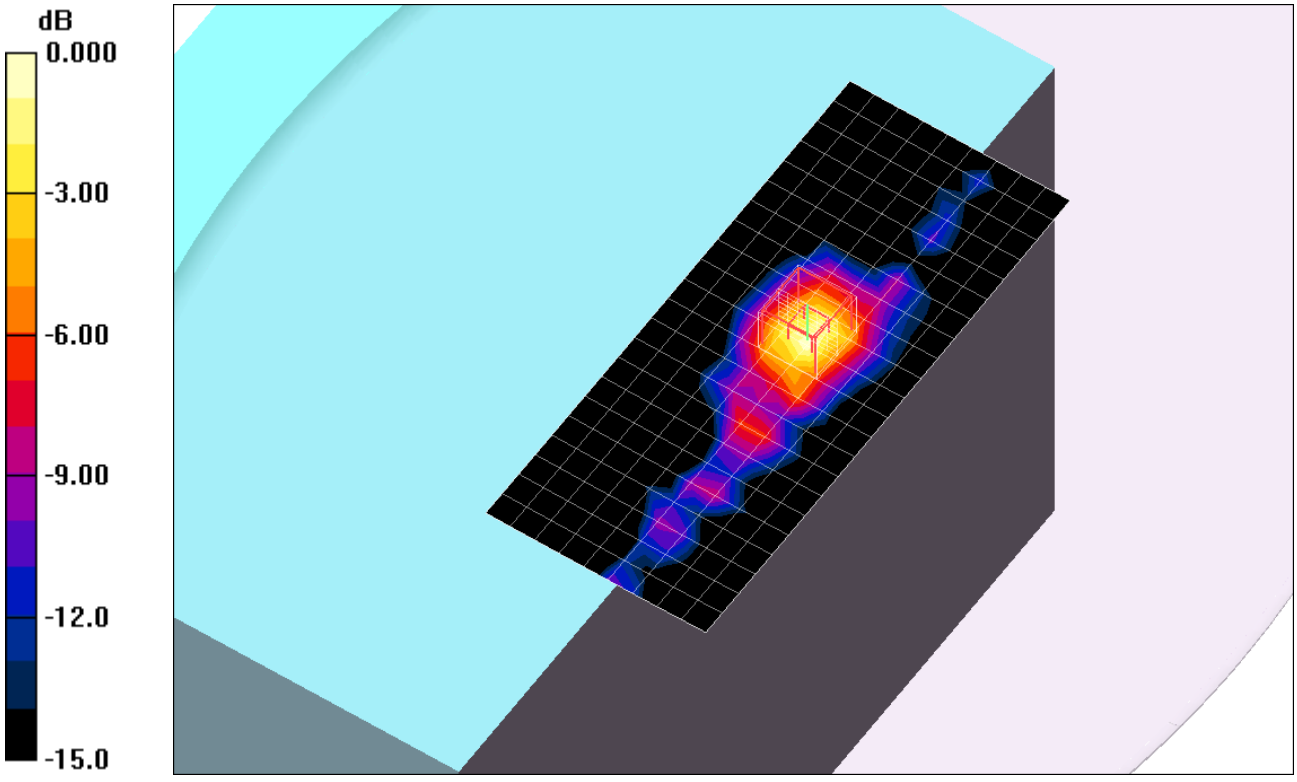
Test Laboratory: UL CCS SAR Lab D Date/Time: 2/15/2012 3:24:15 PM

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) = 1.21 mW/g

802.11a, Chain 1_Ch 116/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.0 V/m; Power Drift = 0.133 dB
Peak SAR (extrapolated) = 2.38 W/kg
SAR(1 g) = 0.702 mW/g; SAR(10 g) = 0.227 mW/g
Maximum value of SAR (measured) = 1.25 mW/g



0 dB = 1.25mW/g

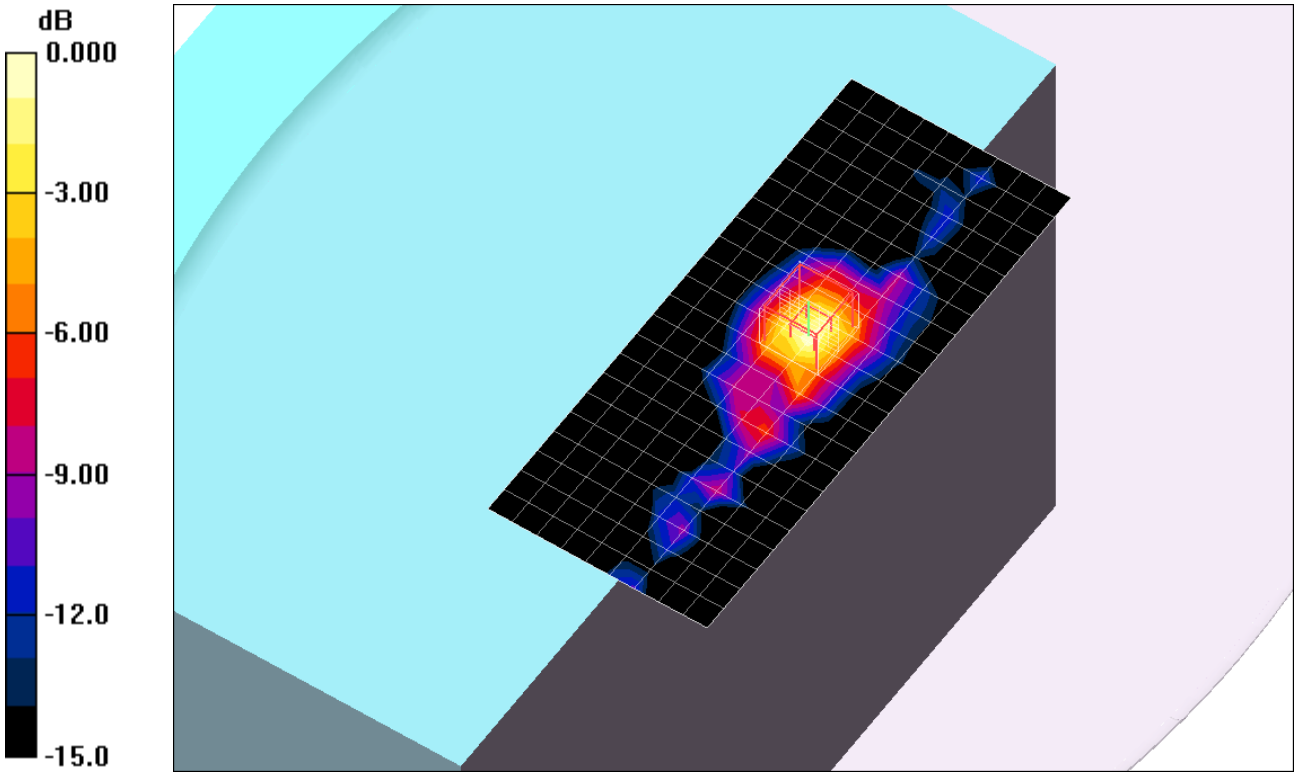
Test Laboratory: UL CCS SAR Lab D Date/Time: 1/31/2012 9:30:07 PM

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 = 5.7 mho/m; ε_r = 48.9; 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 120/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.46 mW/g

802.11a, Chain 1_Ch 120/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 17.0 V/m; Power Drift = 0.107 dB
Peak SAR (extrapolated) = 2.98 W/kg
SAR(1 g) = 0.844 mW/g; SAR(10 g) = 0.286 mW/g
Maximum value of SAR (measured) = 1.52 mW/g



0 dB = 1.52mW/g

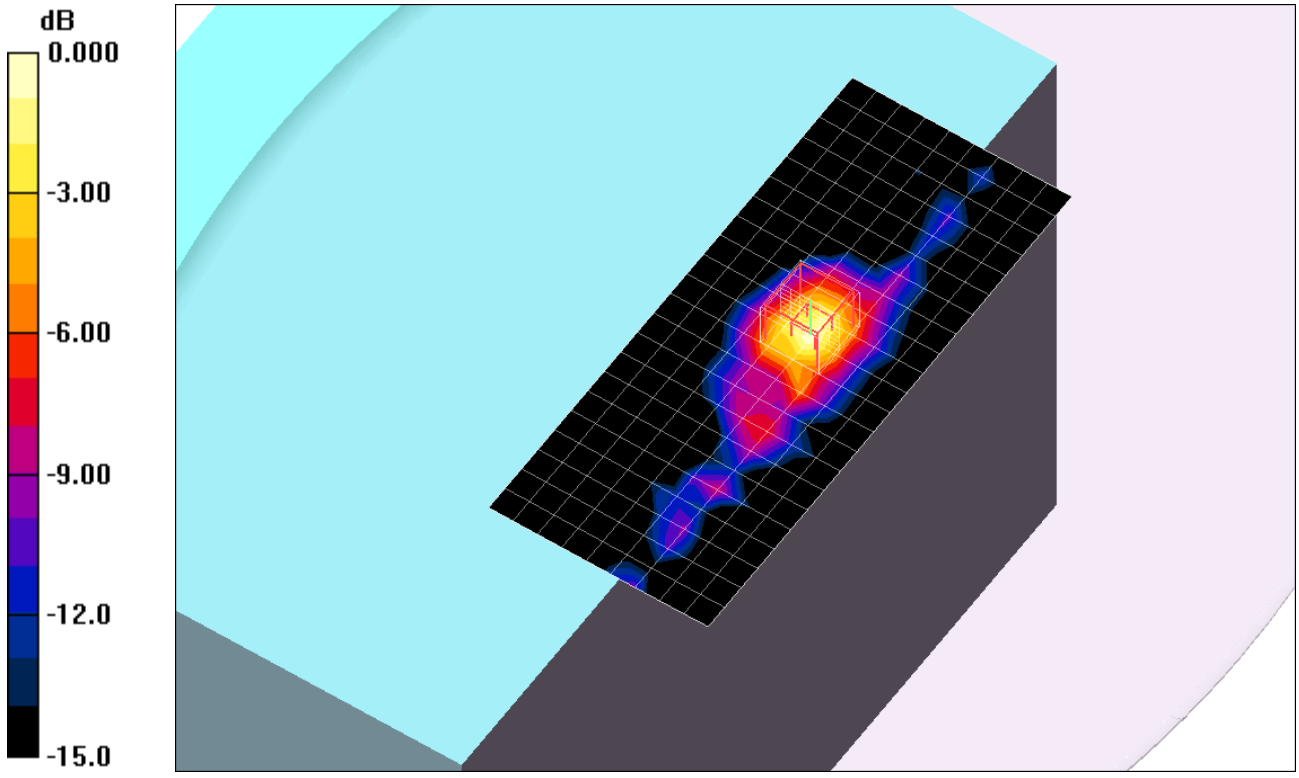
Test Laboratory: UL CCS SAR Lab D Date/Time: 1/31/2012 9:58:09 PM

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 = 5.84 mho/m; ε_r = 48.7; 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) = 1.12 mW/g

802.11a, Chain 1_Ch 140/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.7 V/m; Power Drift = 0.076 dB
Peak SAR (extrapolated) = 2.33 W/kg
SAR(1 g) = 0.644 mW/g; SAR(10 g) = 0.215 mW/g
Maximum value of SAR (measured) = 1.17 mW/g



0 dB = 1.17mW/g

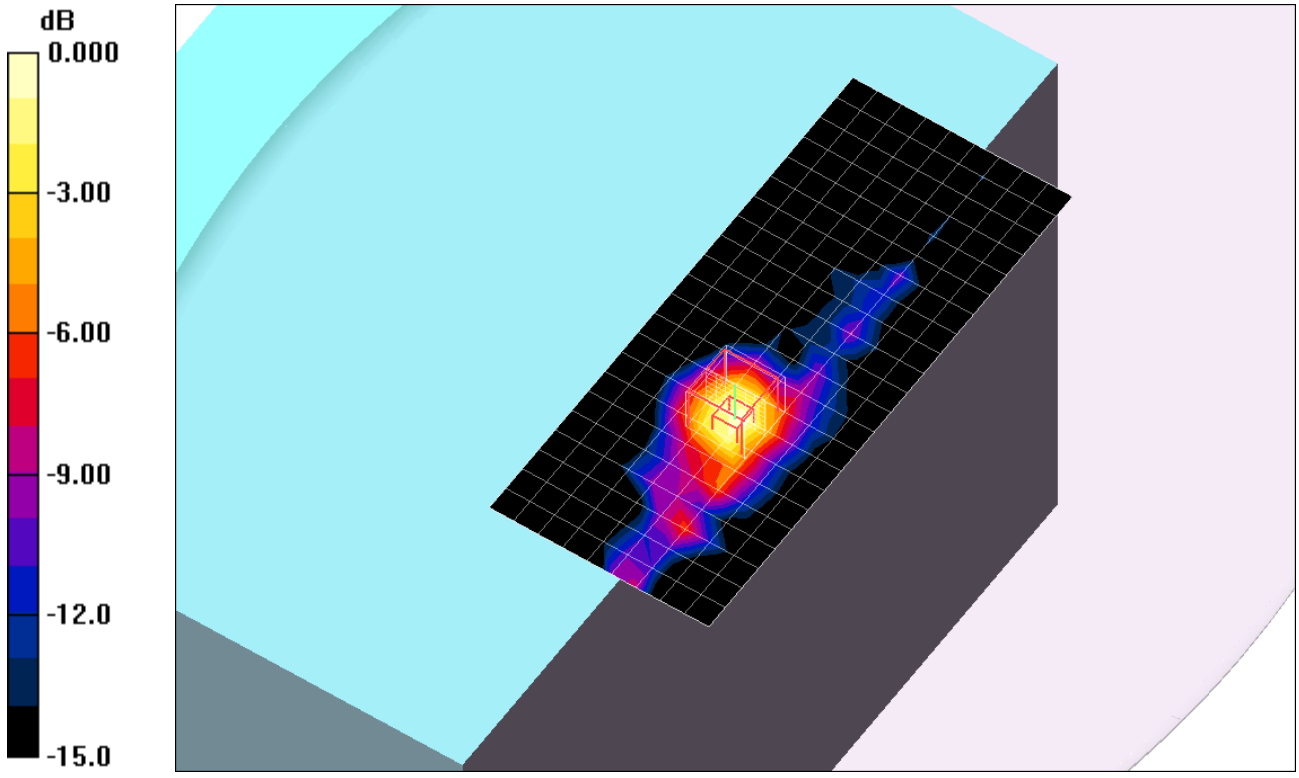
Test Laboratory: UL CCS SAR Lab D Date/Time: 1/31/2012 8:31:52 PM

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 = 5.61 mho/m; ε_r = 49.1; 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) = 1.05 mW/g

802.11a, Chain 2_Ch 100/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.2 V/m; Power Drift = 0.120 dB
Peak SAR (extrapolated) = 2.64 W/kg
SAR(1 g) = 0.516 mW/g; SAR(10 g) = 0.185 mW/g
Maximum value of SAR (measured) = 1.15 mW/g



0 dB = 1.05mW/g

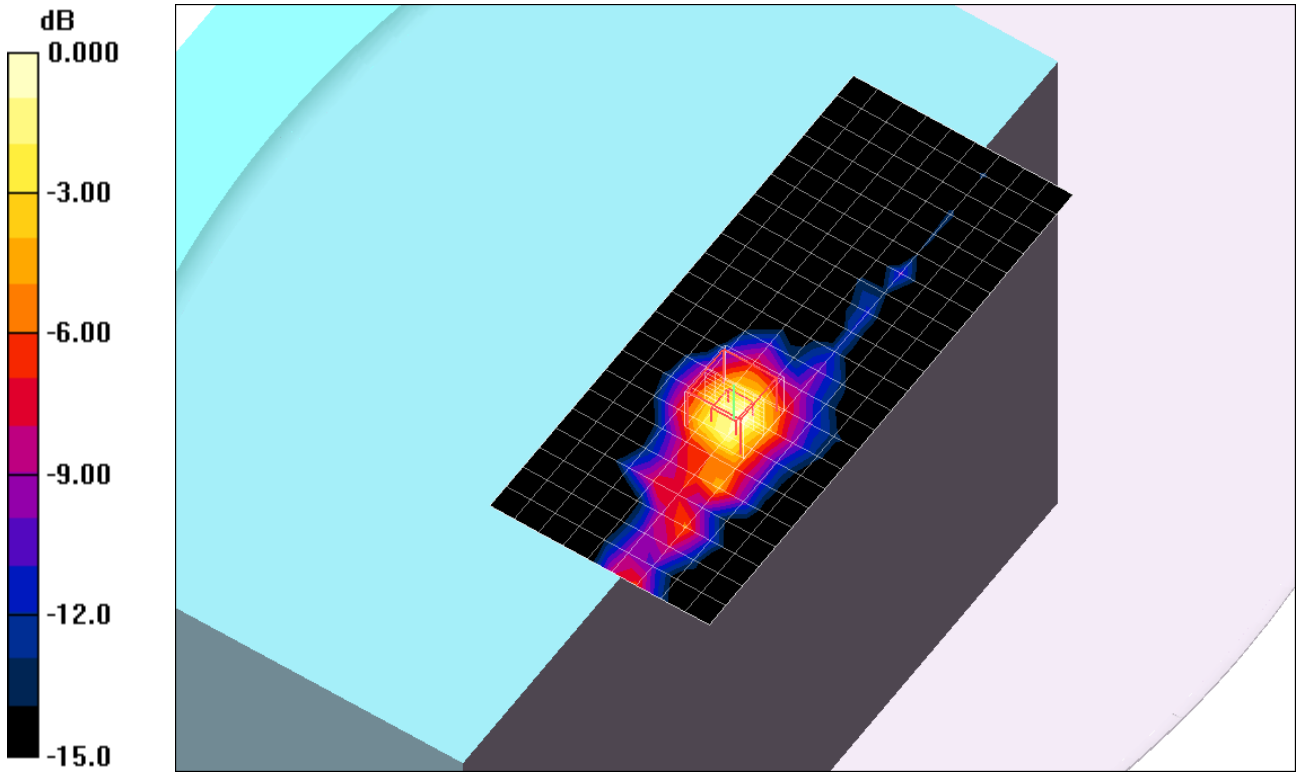
Test Laboratory: UL CCS SAR Lab D Date/Time: 1/31/2012 8:02:07 PM

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 = 5.7 mho/m; ε_r = 48.9; 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 120/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.08 mW/g

802.11a, Chain 2_Ch 120/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.1 V/m; Power Drift = 0.167 dB
Peak SAR (extrapolated) = 2.27 W/kg
SAR(1 g) = 0.638 mW/g; SAR(10 g) = 0.223 mW/g
Maximum value of SAR (measured) = 1.14 mW/g



0 dB = 1.14mW/g

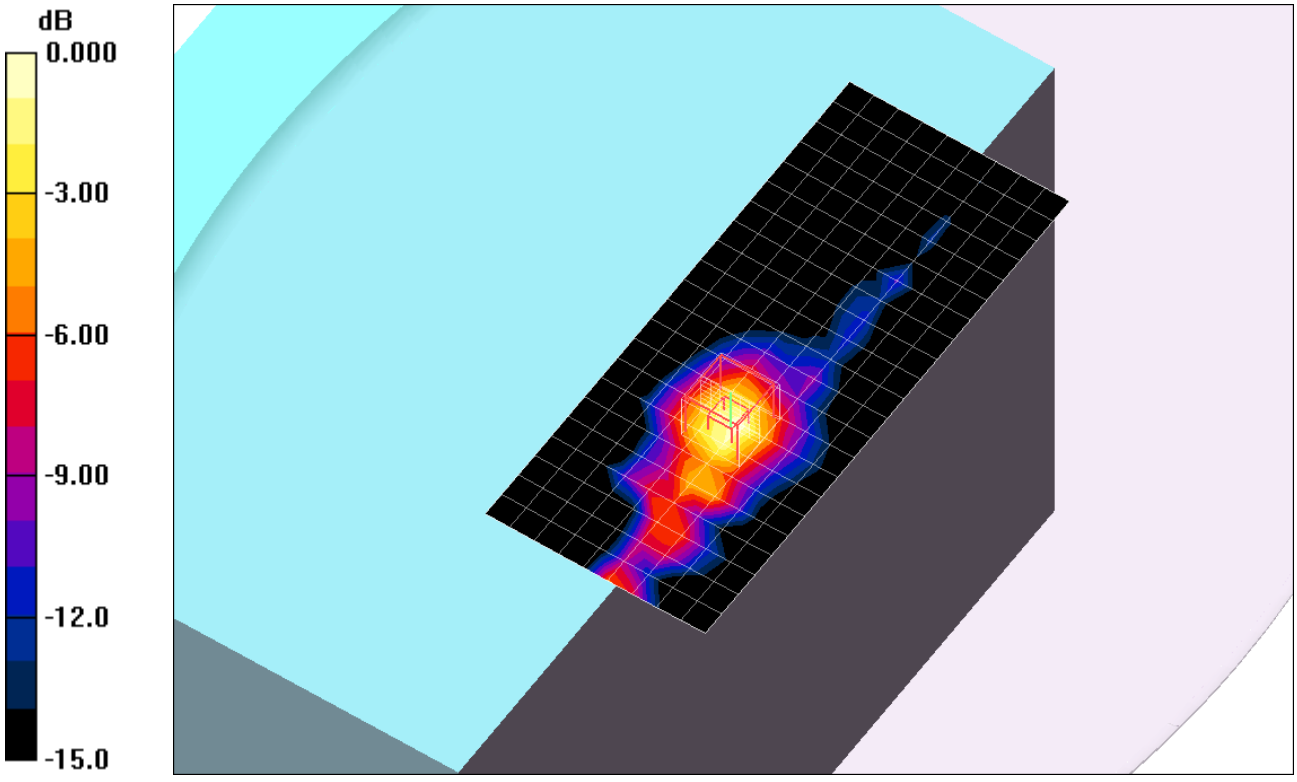
Test Laboratory: UL CCS SAR Lab D Date/Time: 2/15/2012 3:55:27 PM

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) = 1.06 mW/g

802.11a, Chain 2_Ch 124/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 13.5 V/m; Power Drift = 0.141 dB
Peak SAR (extrapolated) = 5.57 W/kg
SAR(1 g) = 0.622 mW/g; SAR(10 g) = 0.204 mW/g
Maximum value of SAR (measured) = 1.09 mW/g



0 dB = 1.09mW/g

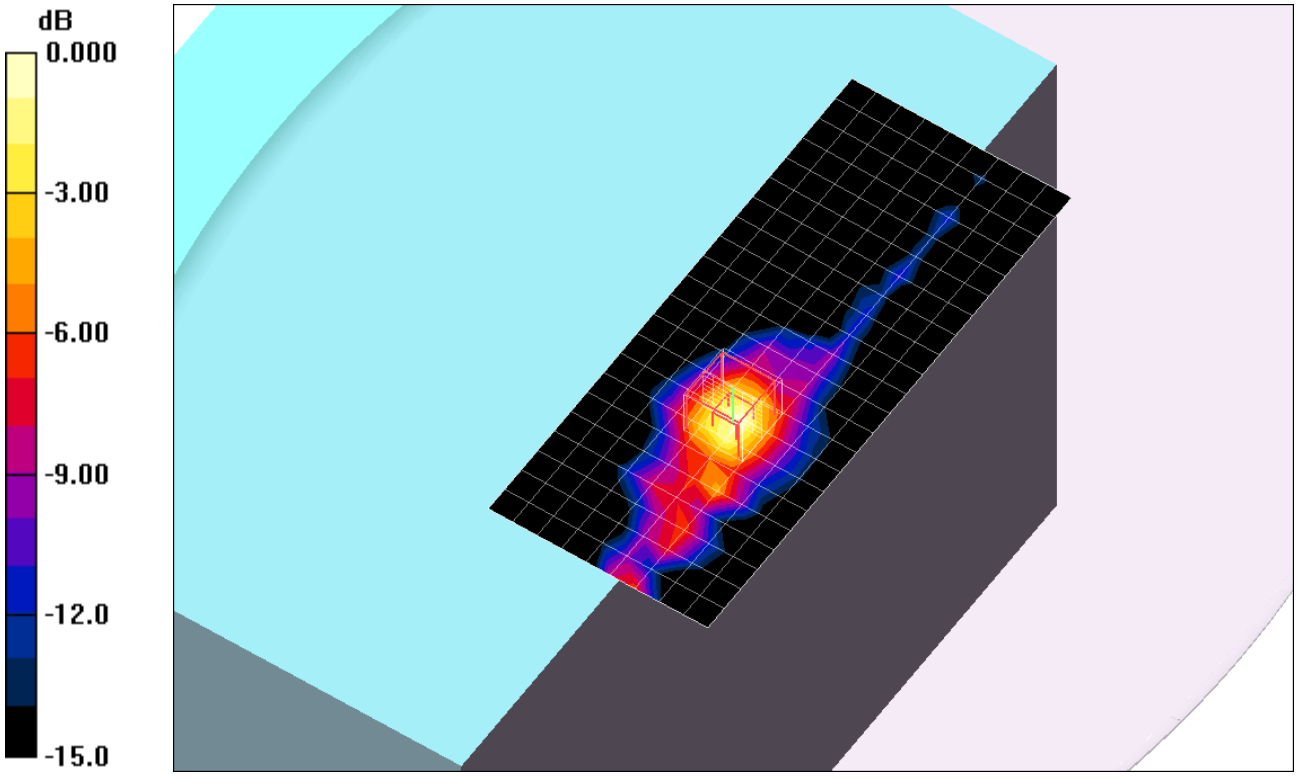
Test Laboratory: UL CCS SAR Lab D Date/Time: 1/31/2012 7:32:23 PM

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 = 5.84 mho/m; ε_r = 48.7; 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) = 1.00 mW/g

802.11a, Chain 2_Ch 140/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 13.5 V/m; Power Drift = 0.142 dB
Peak SAR (extrapolated) = 2.15 W/kg
SAR(1 g) = 0.579 mW/g; SAR(10 g) = 0.195 mW/g
Maximum value of SAR (measured) = 1.06 mW/g



0 dB = 1.06mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 1/31/2012 4:30:58 PM

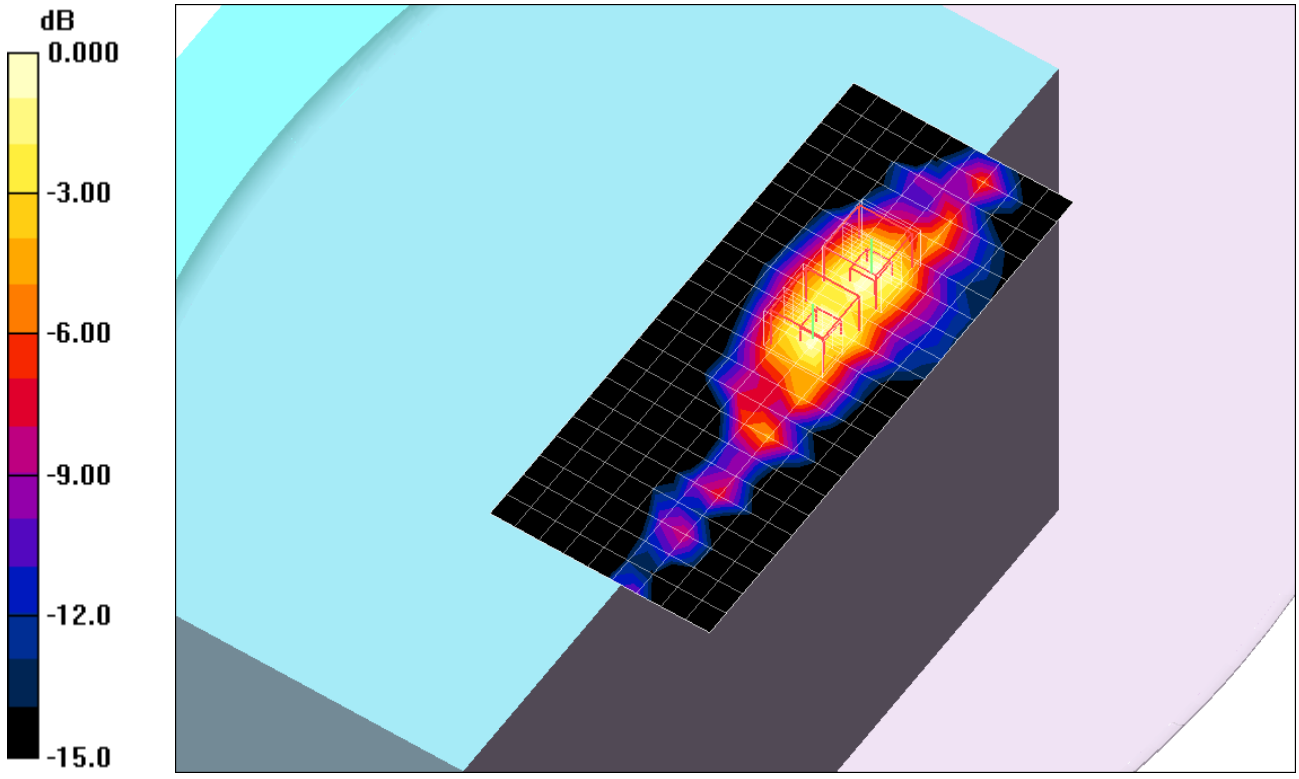
5GHz bands

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 = 5.61 mho/m; ε_r = 49.1; 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) = 1.42 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 = 17.1 V/m; Power Drift = -0.107 dB
Peak SAR (extrapolated) = 3.22 W/kg
SAR(1 g) = 0.932 mW/g; SAR(10 g) = 0.332 mW/g
Maximum value of SAR (measured) = 1.59 mW/g

802.11n HT20,Chain 1_Ch 100/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 17.1 V/m; Power Drift = -0.107 dB
Peak SAR (extrapolated) = 3.03 W/kg
SAR(1 g) = 0.852 mW/g; SAR(10 g) = 0.294 mW/g
Maximum value of SAR (measured) = 1.51 mW/g



0 dB = 1.51mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 1/31/2012 5:14:47 PM

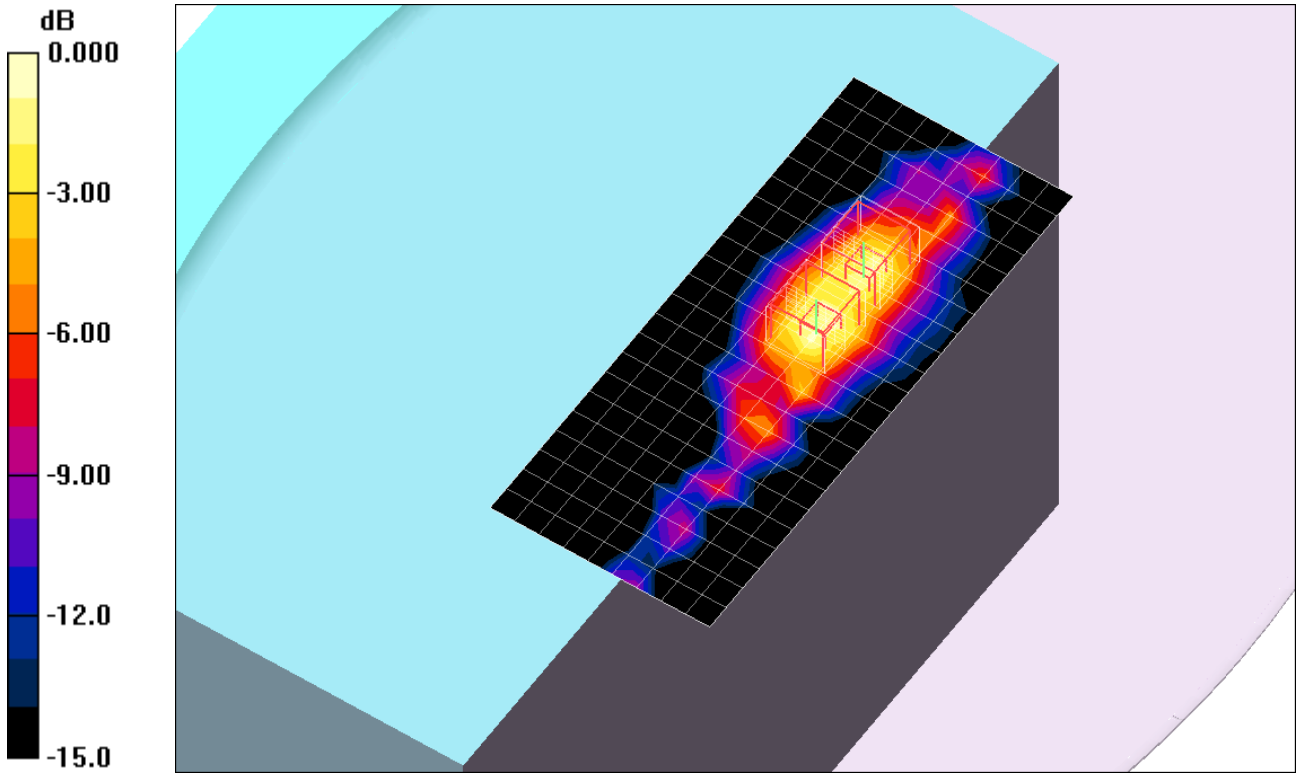
5GHz bands

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 = 5.7 mho/m; ε_r = 48.9; 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 120/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.50 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 = 17.8 V/m; Power Drift = -0.110 dB
Peak SAR (extrapolated) = 2.76 W/kg
SAR(1 g) = 0.853 mW/g; SAR(10 g) = 0.319 mW/g
Maximum value of SAR (measured) = 1.49 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 = 17.8 V/m; Power Drift = -0.110 dB
Peak SAR (extrapolated) = 3.20 W/kg
SAR(1 g) = 0.964 mW/g; SAR(10 g) = 0.338 mW/g
Maximum value of SAR (measured) = 1.72 mW/g



0 dB = 1.72mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 1/31/2012 5:55:39 PM

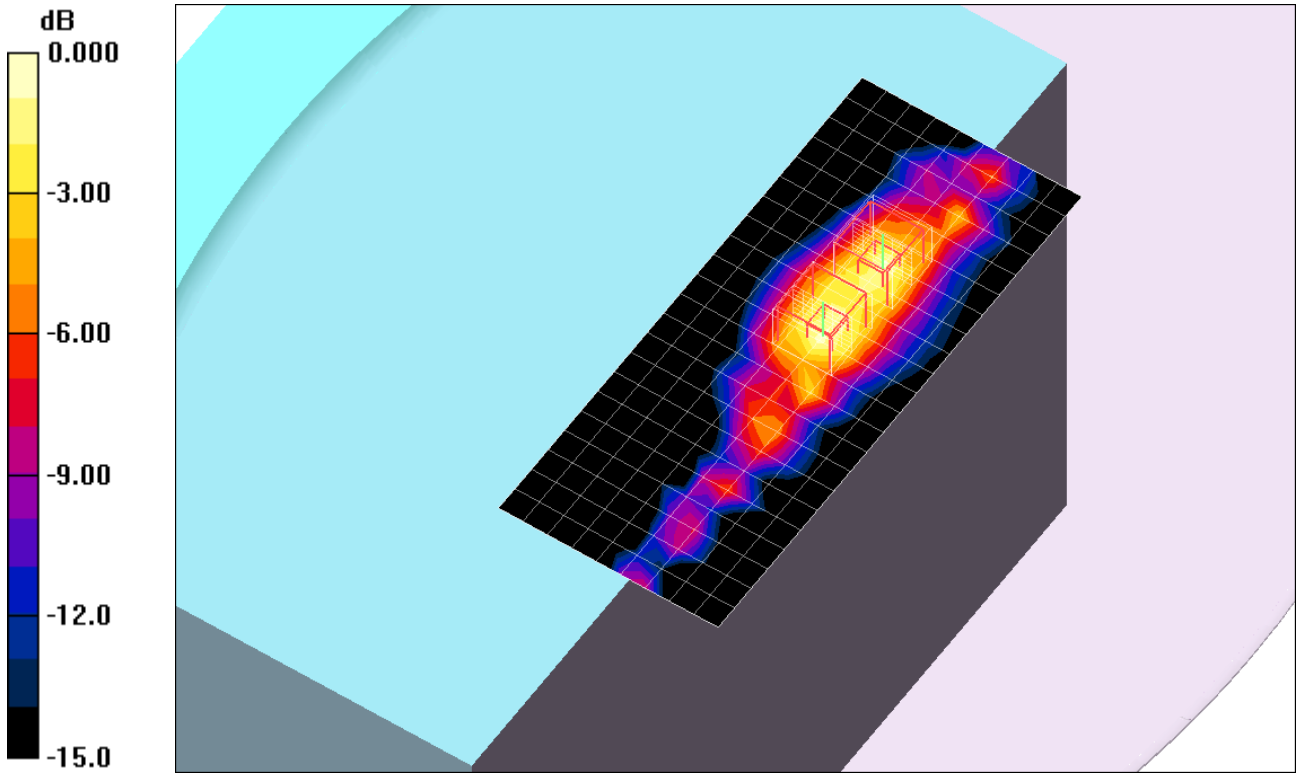
5GHz bands

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 = 5.84 mho/m; ε_r = 48.7; 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) = 1.16 mW/g

802.11n HT20,Chain 0_Ch 140/Zoom Scan 2 (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.8 V/m; Power Drift = -0.111 dB
Peak SAR (extrapolated) = 2.39 W/kg
SAR(1 g) = 0.687 mW/g; SAR(10 g) = 0.251 mW/g
Maximum value of SAR (measured) = 1.19 mW/g

802.11n HT20,Chain 1_Ch 140/Zoom Scan 2 (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.8 V/m; Power Drift = -0.111 dB
Peak SAR (extrapolated) = 2.59 W/kg
SAR(1 g) = 0.743 mW/g; SAR(10 g) = 0.257 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: 1/31/2012 2:28:18 PM

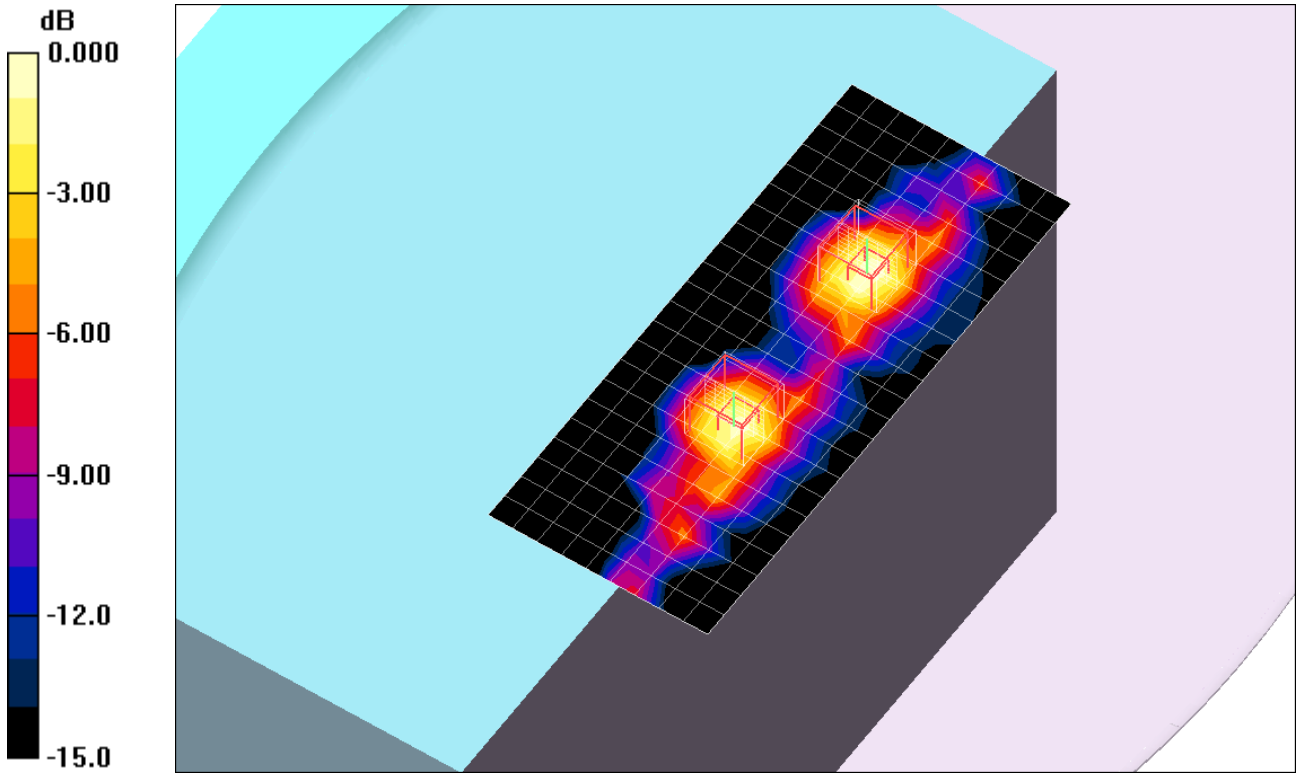
5GHz bands

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 = 5.61 mho/m; ε_r = 49.1; 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) = 1.35 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 = 16.7 V/m; Power Drift = -0.178 dB
Peak SAR (extrapolated) = 2.83 W/kg
SAR(1 g) = 0.814 mW/g; SAR(10 g) = 0.277 mW/g
Maximum value of SAR (measured) = 1.45 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 = 16.7 V/m; Power Drift = -0.178 dB
Peak SAR (extrapolated) = 2.32 W/kg
SAR(1 g) = 0.684 mW/g; SAR(10 g) = 0.242 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: 1/31/2012 3:09:03 PM

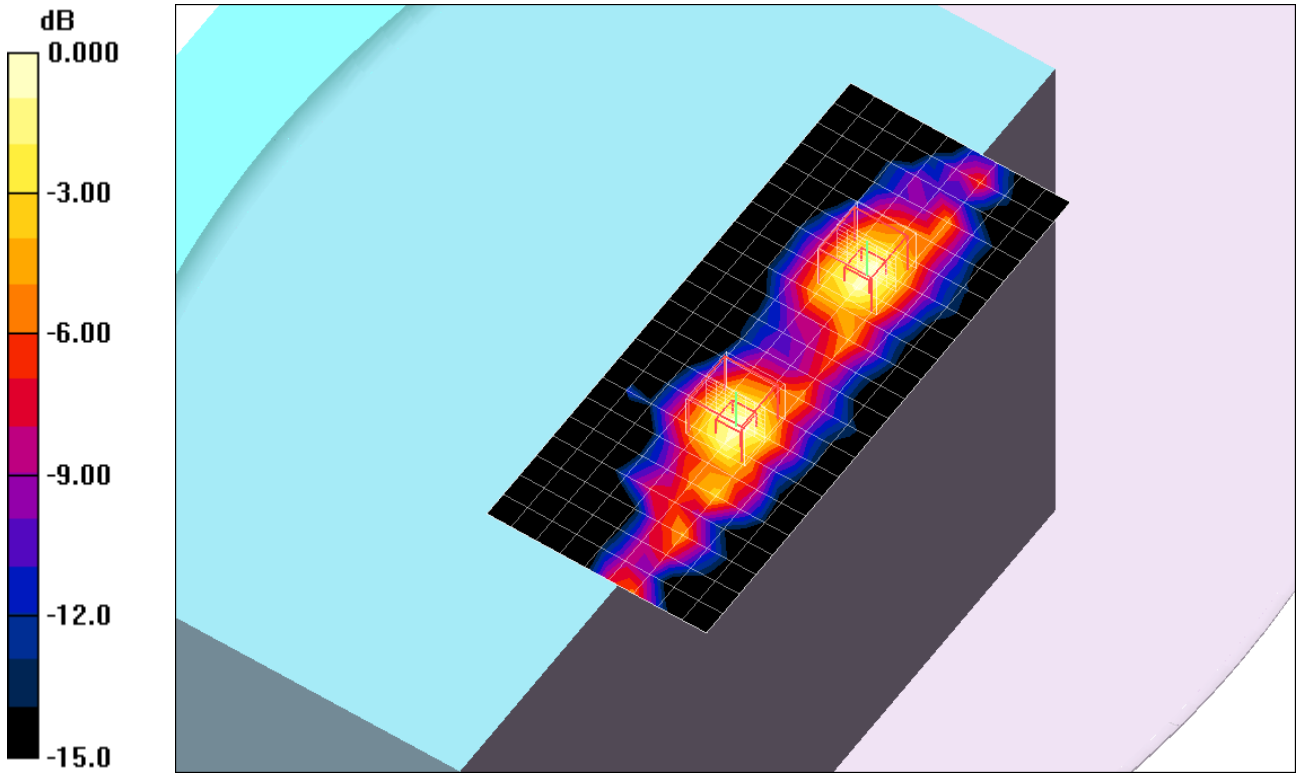
5GHz bands

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 = 5.7 mho/m; ε_r = 48.9; 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 120/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.30 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 = 16.1 V/m; Power Drift = -0.078 dB
Peak SAR (extrapolated) = 2.70 W/kg
SAR(1 g) = 0.761 mW/g; SAR(10 g) = 0.254 mW/g
Maximum value of SAR (measured) = 1.37 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 = 16.1 V/m; Power Drift = -0.078 dB
Peak SAR (extrapolated) = 2.49 W/kg
SAR(1 g) = 0.735 mW/g; SAR(10 g) = 0.259 mW/g
Maximum value of SAR (measured) = 1.29 mW/g



0 dB = 1.29mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 1/31/2012 3:49:58 PM

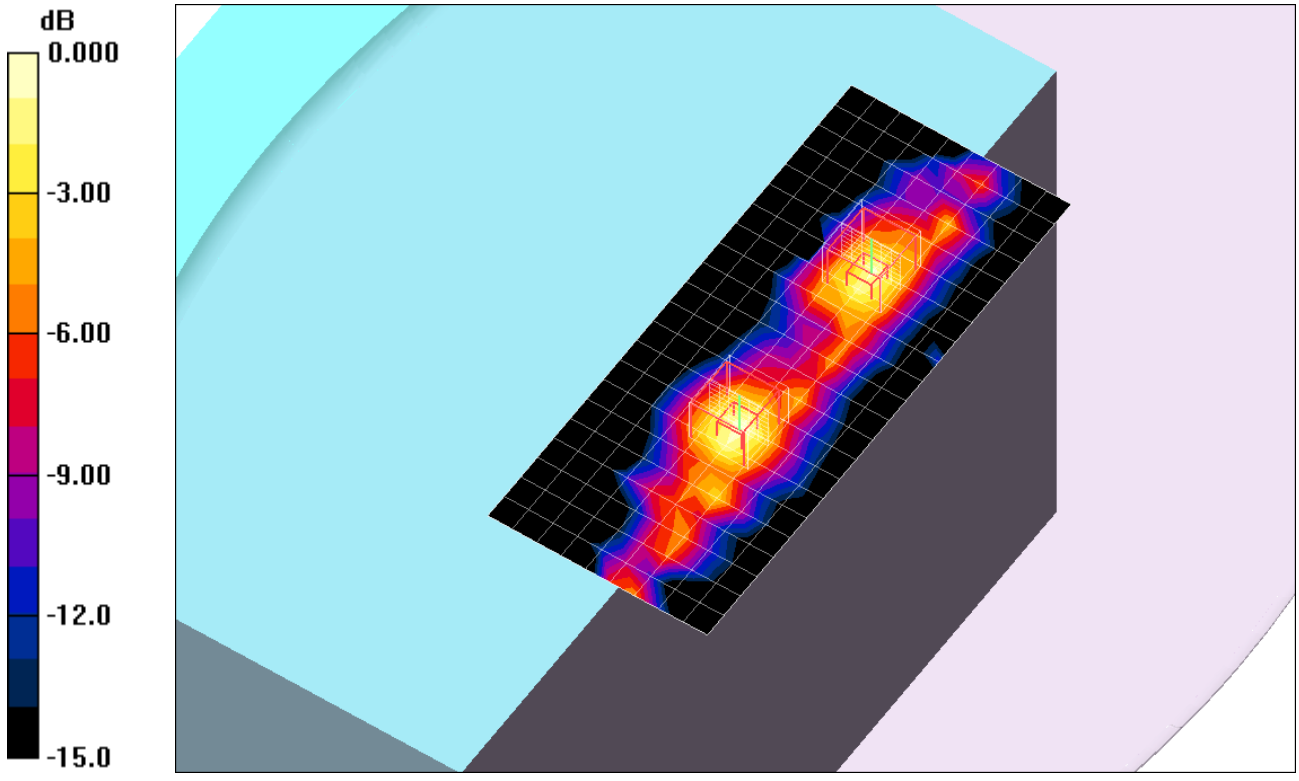
5GHz bands

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 = 5.84 mho/m; ε_r = 48.7; 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) = 1.21 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 = 15.1 V/m; Power Drift = 0.018 dB
Peak SAR (extrapolated) = 4.06 W/kg
SAR(1 g) = 0.575 mW/g; SAR(10 g) = 0.172 mW/g
Maximum value of SAR (measured) = 1.11 mW/g

802.11n HT20,Chain 2_Ch 140/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.1 V/m; Power Drift = 0.018 dB
Peak SAR (extrapolated) = 5.63 W/kg
SAR(1 g) = 0.676 mW/g; SAR(10 g) = 0.219 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: 1/31/2012 12:58:42 PM

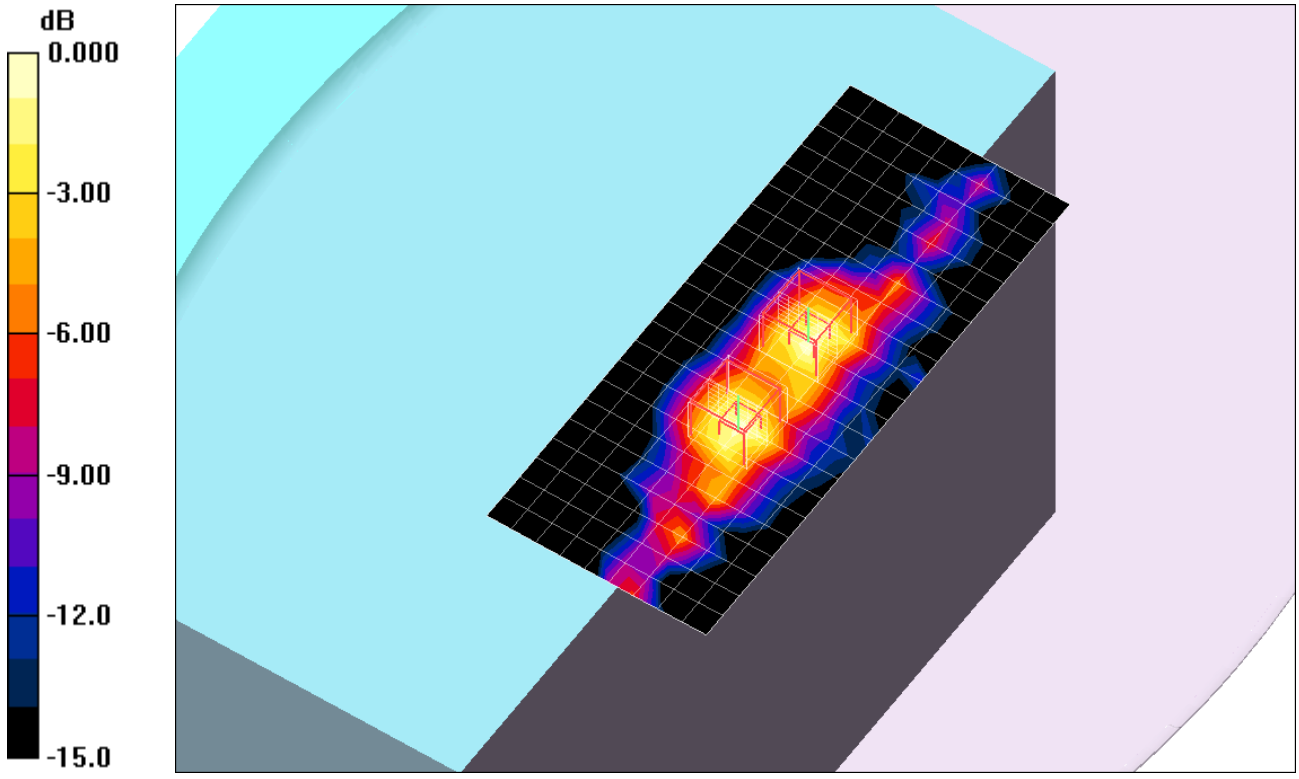
5GHz bands

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 = 5.61 mho/m; ε_r = 49.1; 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) = 1.41 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 = 16.7 V/m; Power Drift = 0.132 dB
Peak SAR (extrapolated) = 2.82 W/kg
SAR(1 g) = 0.823 mW/g; SAR(10 g) = 0.273 mW/g
Maximum value of SAR (measured) = 1.47 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 = 16.7 V/m; Power Drift = 0.132 dB
Peak SAR (extrapolated) = 2.85 W/kg
SAR(1 g) = 0.822 mW/g; SAR(10 g) = 0.289 mW/g
Maximum value of SAR (measured) = 1.44 mW/g



0 dB = 1.44mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 1/31/2012 12:15:10 PM

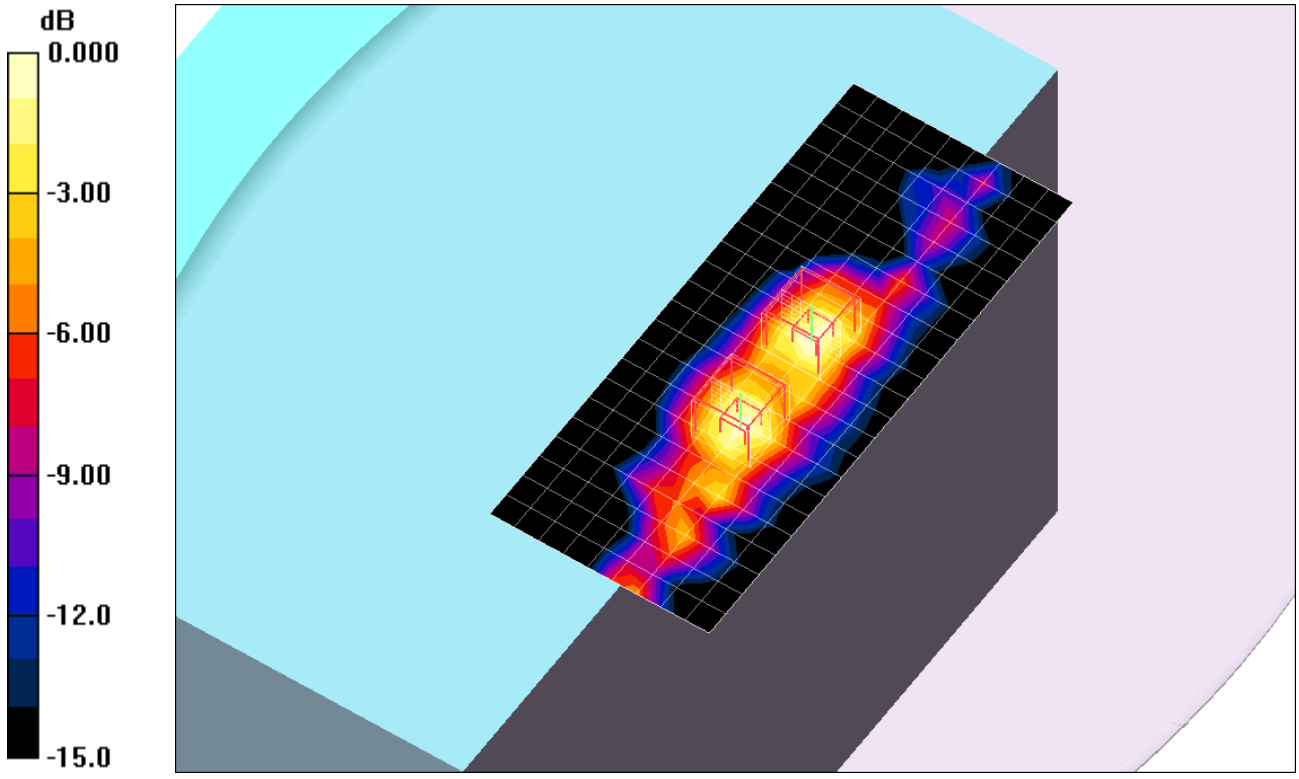
5GHz bands

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 = 5.7 mho/m; ε_r = 48.9; 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 120/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.47 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 = 17.3 V/m; Power Drift = -0.084 dB
Peak SAR (extrapolated) = 2.91 W/kg
SAR(1 g) = 0.853 mW/g; SAR(10 g) = 0.294 mW/g
Maximum value of SAR (measured) = 1.48 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 = 17.3 V/m; Power Drift = -0.084 dB
Peak SAR (extrapolated) = 2.55 W/kg
SAR(1 g) = 0.775 mW/g; SAR(10 g) = 0.276 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: 1/31/2012 1:38:13 PM

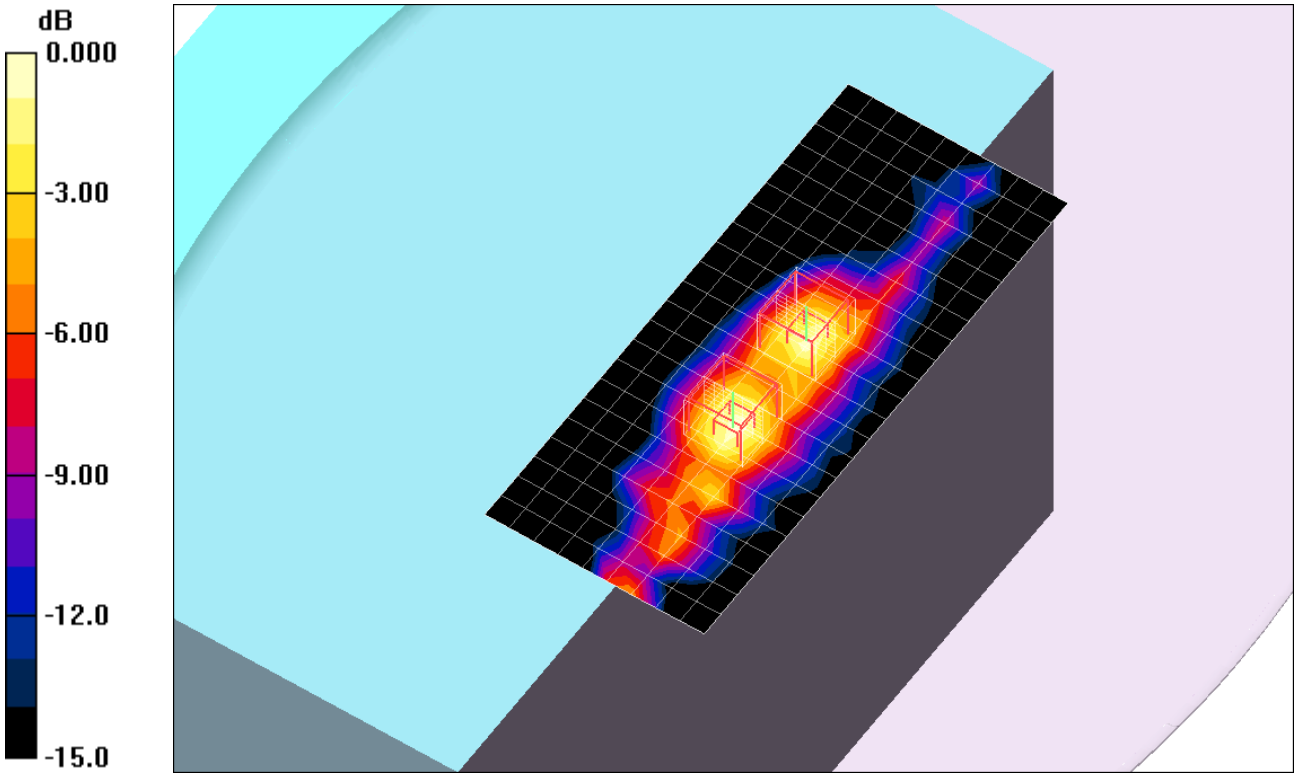
5GHz bands

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 = 5.84 mho/m; ε_r = 48.7; 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) = 1.19 mW/g

802.11n HT20,Chain 1_Ch 140/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.1 V/m; Power Drift = 0.005 dB
Peak SAR (extrapolated) = 2.23 W/kg
SAR(1 g) = 0.629 mW/g; SAR(10 g) = 0.218 mW/g
Maximum value of SAR (measured) = 1.11 mW/g

802.11n HT20,Chain 2_Ch 140/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.1 V/m; Power Drift = 0.005 dB
Peak SAR (extrapolated) = 2.39 W/kg
SAR(1 g) = 0.669 mW/g; SAR(10 g) = 0.234 mW/g



0 dB = 1.19mW/g

5GHz bands

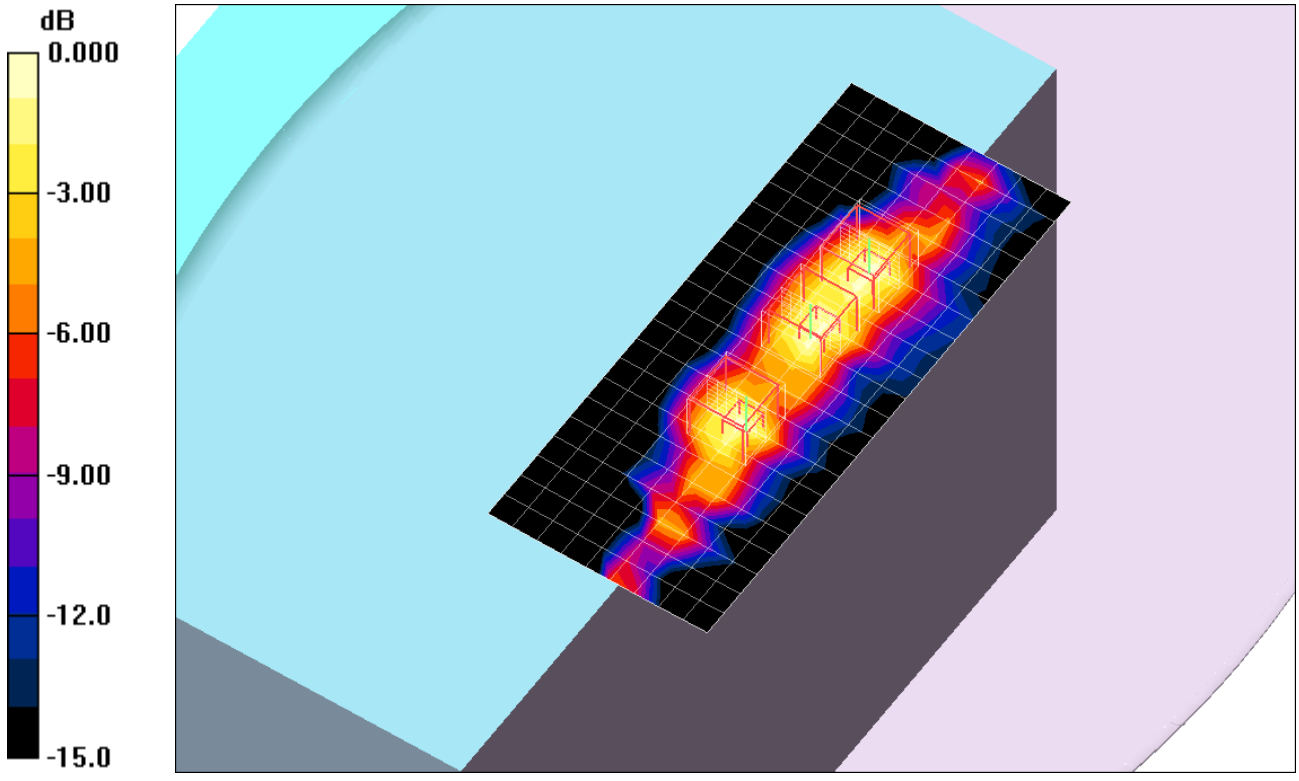
Frequency: 5500 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5500 MHz; σ = 5.61 mho/m; ε_r = 49.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3751; ConvF(3.57, 3.57, 3.57); 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) = 1.39 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 = 17.0 V/m; Power Drift = -0.129 dB
Peak SAR (extrapolated) = 3.14 W/kg
SAR(1 g) = 0.891 mW/g; SAR(10 g) = 0.314 mW/g
Maximum value of SAR (measured) = 1.49 mW/g

802.11n HT20,Chain 1_Ch 100/Zoom Scan (7x7x9)/Cube 2: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 17.0 V/m; Power Drift = -0.129 dB
Peak SAR (extrapolated) = 2.95 W/kg
SAR(1 g) = 0.845 mW/g; SAR(10 g) = 0.299 mW/g
Maximum value of SAR (measured) = 1.43 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 = 17.0 V/m; Power Drift = -0.129 dB
Peak SAR (extrapolated) = 2.91 W/kg
SAR(1 g) = 0.849 mW/g; SAR(10 g) = 0.296 mW/g



0 dB = 1.49mW/g

5GHz bands

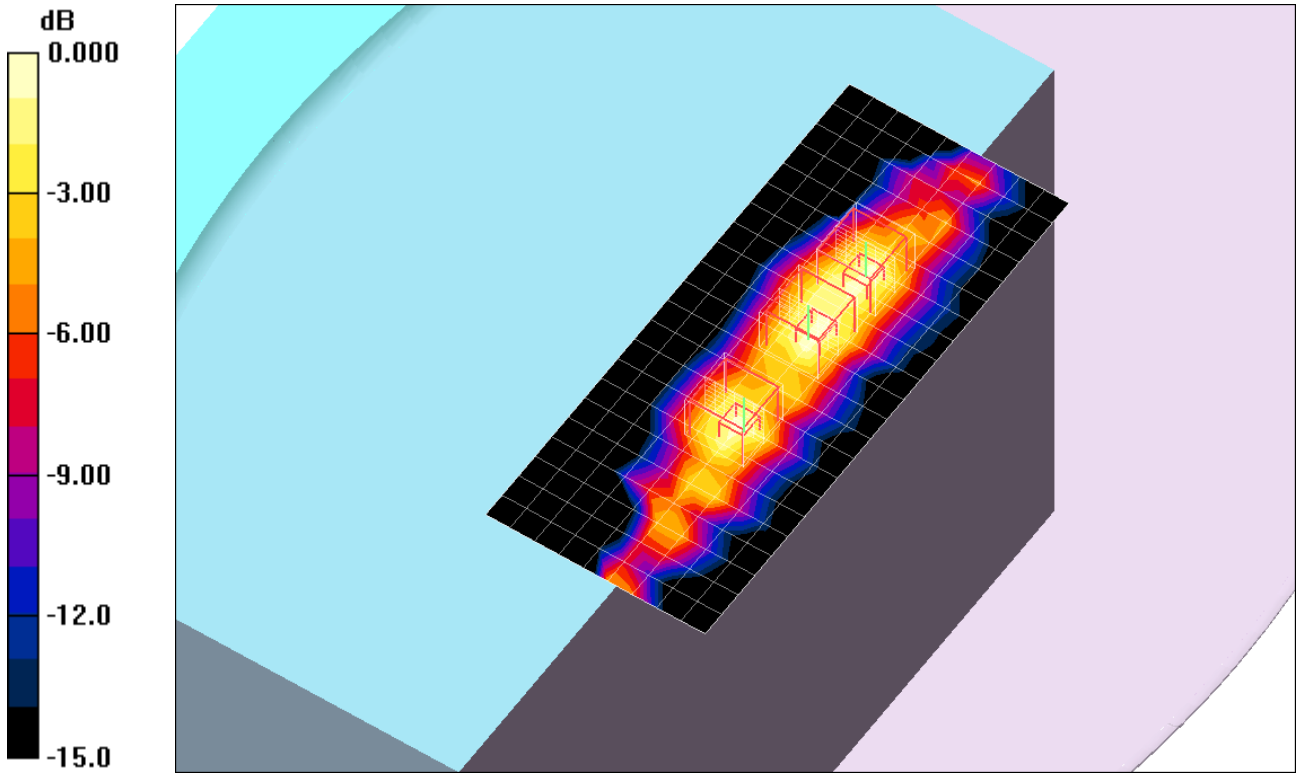
Frequency: 5600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5600 MHz; σ = 5.7 mho/m; ε_r = 48.9; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3751; ConvF(3.29, 3.29, 3.29); Calibrated: 12/19/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- 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) = 1.53 mW/g

802.11n HT20,Chain 0_Ch 120/Zoom Scan (7x7x9)/Cube 2: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 18.0 V/m; Power Drift = -0.178 dB
Peak SAR (extrapolated) = 3.05 W/kg
SAR(1 g) = 0.927 mW/g; SAR(10 g) = 0.344 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 = 18.0 V/m; Power Drift = -0.178 dB
Peak SAR (extrapolated) = 3.29 W/kg
SAR(1 g) = 0.965 mW/g; SAR(10 g) = 0.339 mW/g
Maximum value of SAR (measured) = 1.63 mW/g

802.11n HT20,Chain 2_Ch 120/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 18.0 V/m; Power Drift = -0.178 dB
Peak SAR (extrapolated) = 3.11 W/kg
SAR(1 g) = 0.917 mW/g; SAR(10 g) = 0.317 mW/g
Maximum value of SAR (measured) = 1.55 mW/g



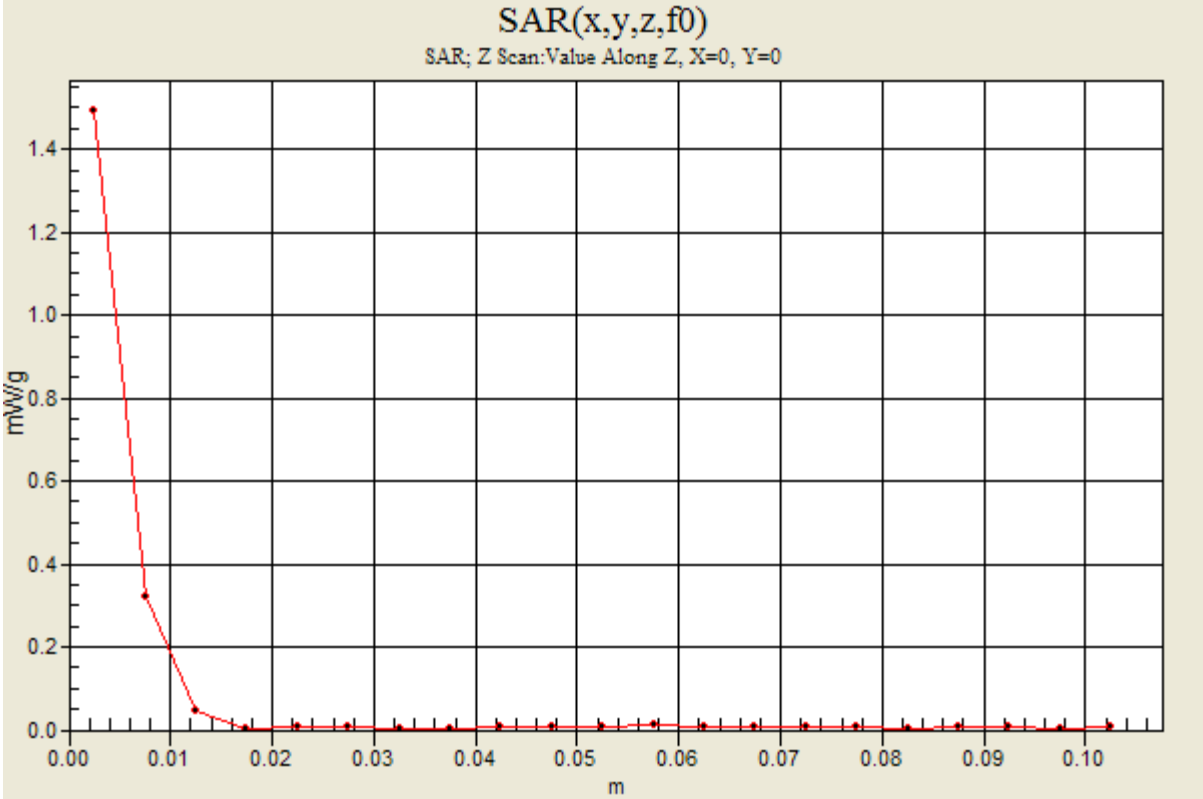
0 dB = 1.55mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 1/31/2012 10:04:03 AM

5GHz bands

Frequency: 5600 MHz; Duty Cycle: 1:1

802.11n HT20,Chain 0,1,2_Ch 120/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 1.49 mW/g



5GHz bands

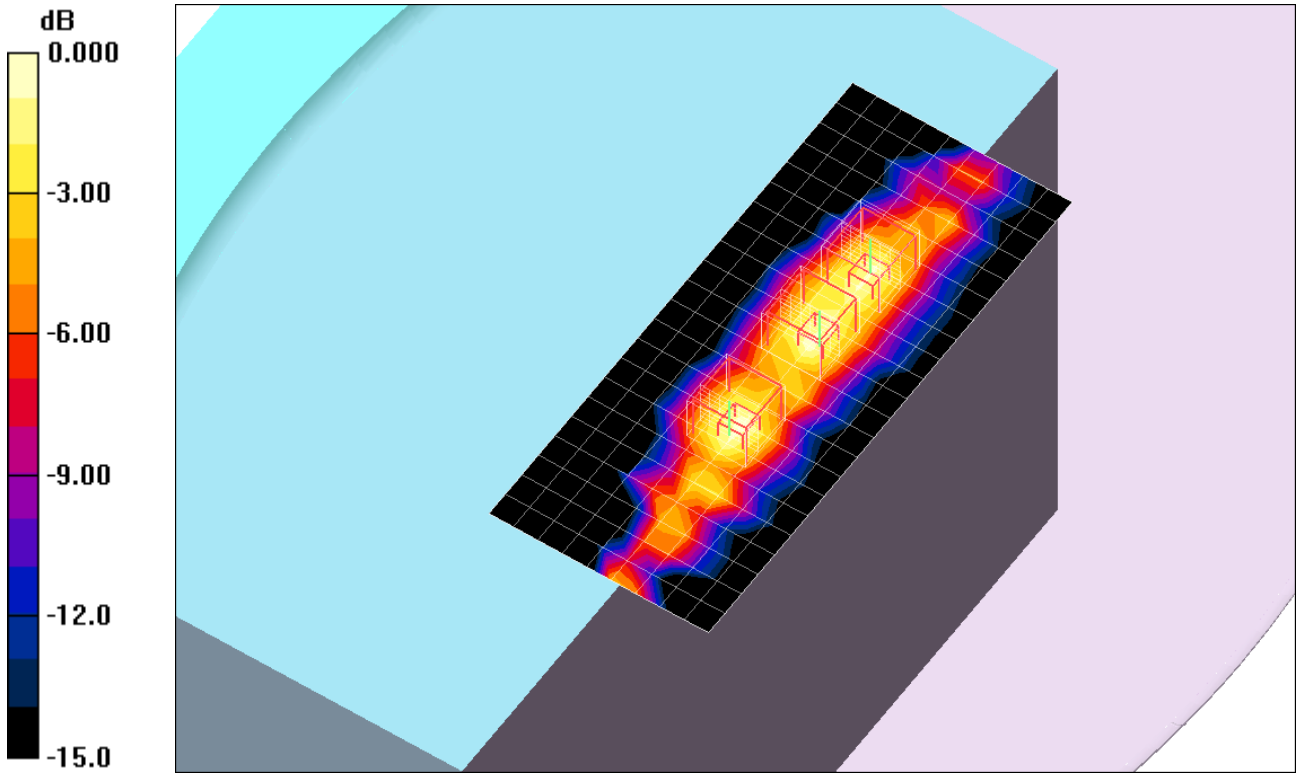
Frequency: 5700 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5700 MHz; σ = 5.84 mho/m; ε_r = 48.7; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3751; ConvF(3.29, 3.29, 3.29); Calibrated: 12/19/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- 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) = 1.27 mW/g

802.11n HT20,Chain 0_Ch 140/Zoom Scan (7x7x9)/Cube 2: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.2 V/m; Power Drift = -0.102 dB
Peak SAR (extrapolated) = 2.12 W/kg
SAR(1 g) = 0.659 mW/g; SAR(10 g) = 0.211 mW/g
Maximum value of SAR (measured) = 1.22 mW/g

802.11n HT20,Chain 1_Ch 140/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.2 V/m; Power Drift = -0.102 dB
Peak SAR (extrapolated) = 2.63 W/kg
SAR(1 g) = 0.748 mW/g; SAR(10 g) = 0.260 mW/g
Maximum value of SAR (measured) = 1.28 mW/g

802.11n HT20,Chain 2_Ch 140/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.2 V/m; Power Drift = -0.102 dB
Peak SAR (extrapolated) = 3.07 W/kg
SAR(1 g) = 0.797 mW/g; SAR(10 g) = 0.271 mW/g
Maximum value of SAR (measured) = 1.33 mW/g



0 dB = 1.33mW/g

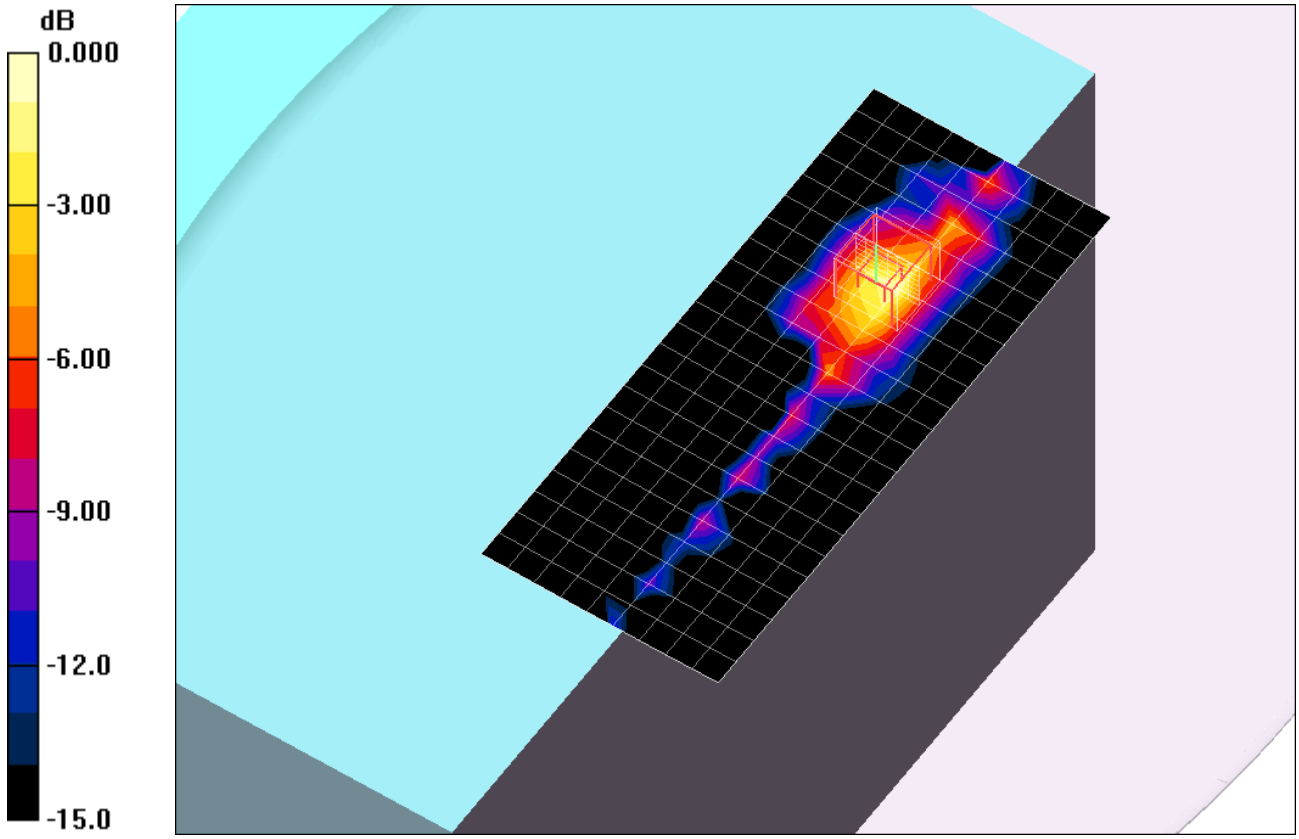
Test Laboratory: UL CCS SAR Lab D Date/Time: 1/26/2012 1:27:13 AM

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 = 6.19 mho/m; ε_r = 48.5; 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 157/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.892 mW/g

802.11a ,Chain 0_Ch 157/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 7.70 V/m; Power Drift = 0.059 dB
Peak SAR (extrapolated) = 2.40 W/kg
SAR(1 g) = 0.619 mW/g; SAR(10 g) = 0.201 mW/g
Maximum value of SAR (measured) = 1.12 mW/g



0 dB = 1.12mW/g

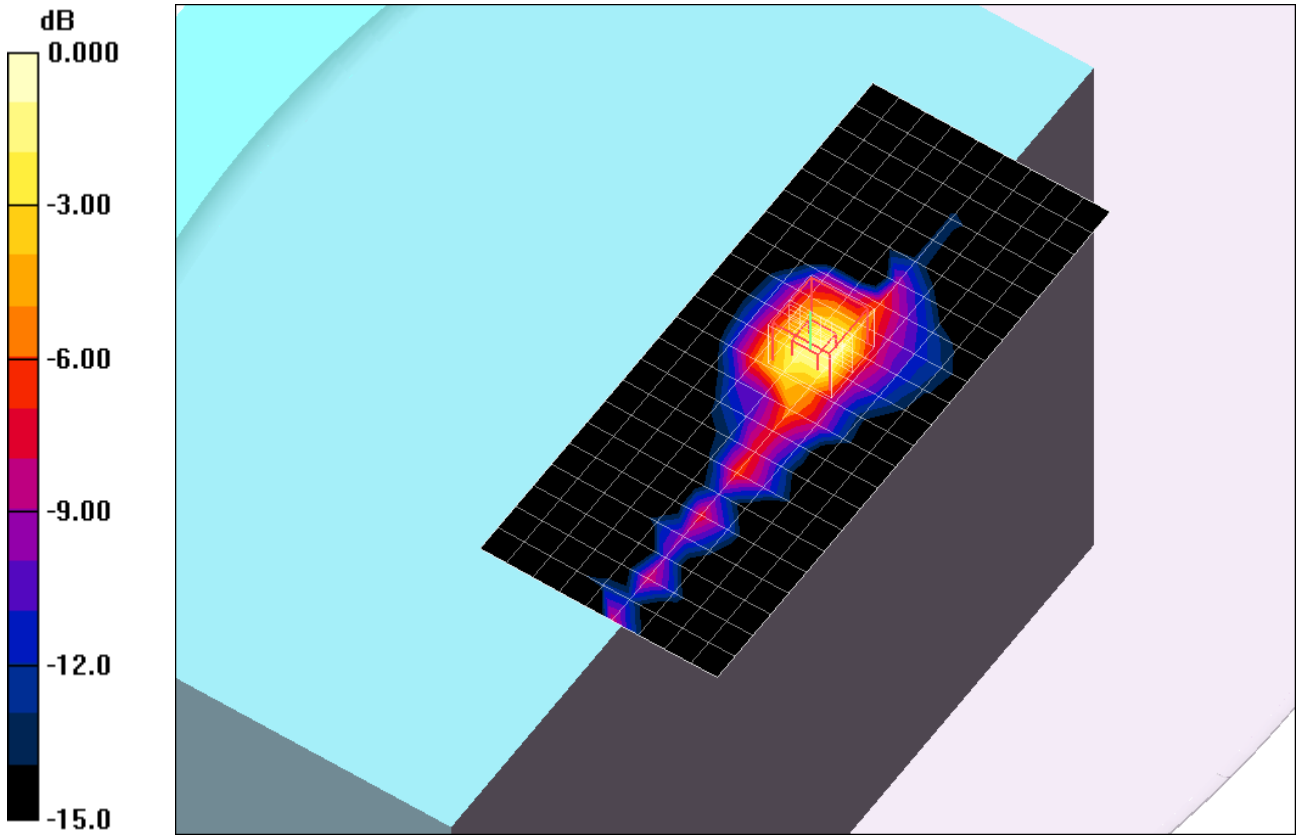
Test Laboratory: UL CCS SAR Lab D Date/Time: 1/26/2012 1:51:27 AM

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 = 6.24 mho/m; ε_r = 48.5; 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 165/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.836 mW/g

802.11a ,Chain 1_Ch 165/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 10.4 V/m; Power Drift = 0.150 dB
Peak SAR (extrapolated) = 2.20 W/kg
SAR(1 g) = 0.612 mW/g; SAR(10 g) = 0.191 mW/g
Maximum value of SAR (measured) = 1.08 mW/g



0 dB = 1.08mW/g

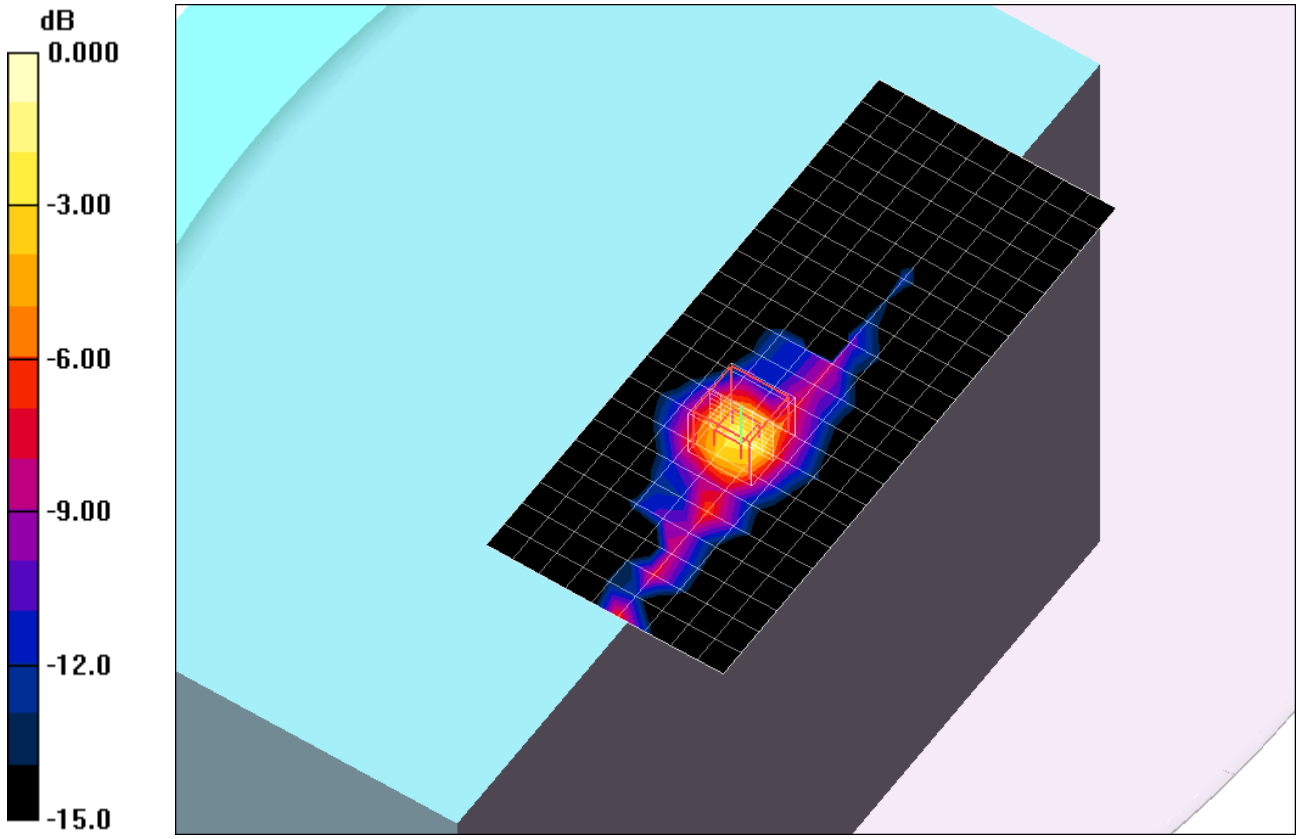
Test Laboratory: UL CCS SAR Lab D Date/Time: 1/26/2012 2:44:05 AM

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 = 6.19 mho/m; ε_r = 48.5; 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) = 0.631 mW/g

802.11a ,Chain 2_Ch 157/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 13.4 V/m; Power Drift = -0.025 dB
Peak SAR (extrapolated) = 2.12 W/kg
SAR(1 g) = 0.568 mW/g; SAR(10 g) = 0.180 mW/g
Maximum value of SAR (measured) = 1.00 mW/g



0 dB = 1.00mW/g

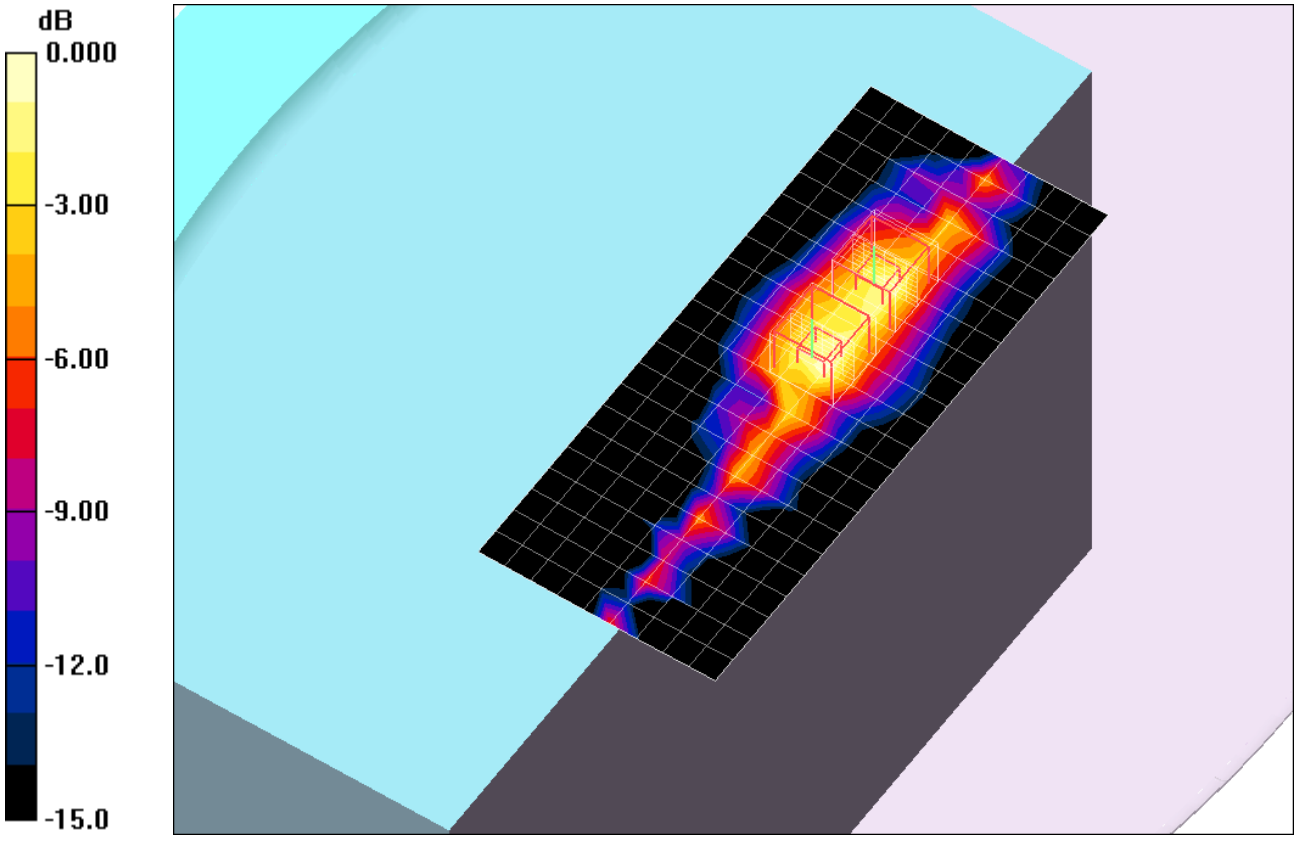
5GHz bands

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 = 6.13 mho/m; ε_r = 48.6; 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 149/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.02 mW/g

802.11a,Chain 0_Ch 149/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 12.7 V/m; Power Drift = 0.127 dB
Peak SAR (extrapolated) = 2.06 W/kg
SAR(1 g) = 0.590 mW/g; SAR(10 g) = 0.204 mW/g
Maximum value of SAR (measured) = 1.07 mW/g

802.11a,Chain 1_Ch 149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 12.7 V/m; Power Drift = 0.127 dB
Peak SAR (extrapolated) = 2.12 W/kg
SAR(1 g) = 0.621 mW/g; SAR(10 g) = 0.201 mW/g
Maximum value of SAR (measured) = 1.09 mW/g



0 dB = 1.09mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 1/26/2012 12:10:45 AM

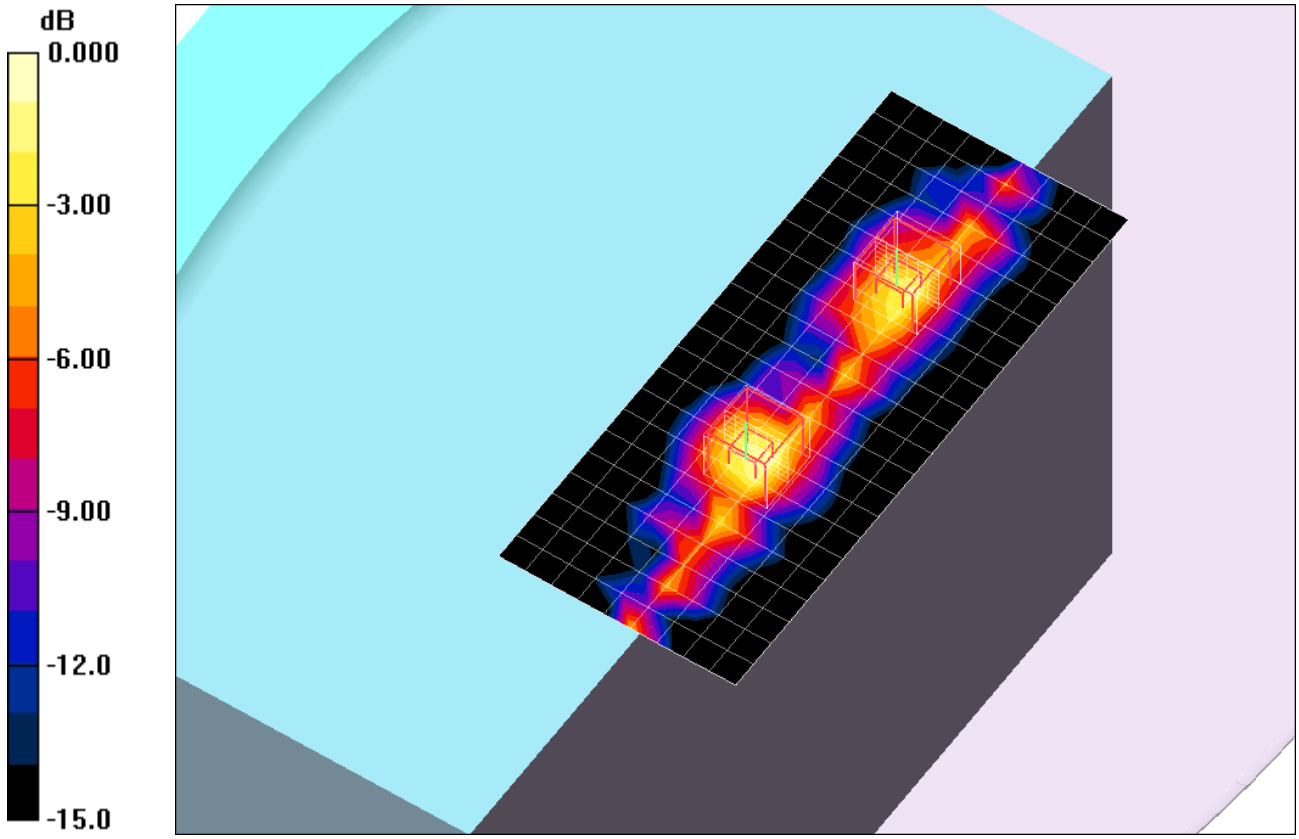
5GHz bands

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 = 6.13 mho/m; ε_r = 48.6; 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 149/Area Scan (23x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.818 mW/g

802.11a,Chain 0_Ch 149/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 10.9 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 1.90 W/kg
SAR(1 g) = 0.527 mW/g; SAR(10 g) = 0.173 mW/g
Maximum value of SAR (measured) = 0.956 mW/g

802.11a,Chain 2_Ch 149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 10.9 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 2.55 W/kg
SAR(1 g) = 0.629 mW/g; SAR(10 g) = 0.191 mW/g
Maximum value of SAR (measured) = 1.13 mW/g



0 dB = 1.13mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 1/26/2012 12:49:10 AM

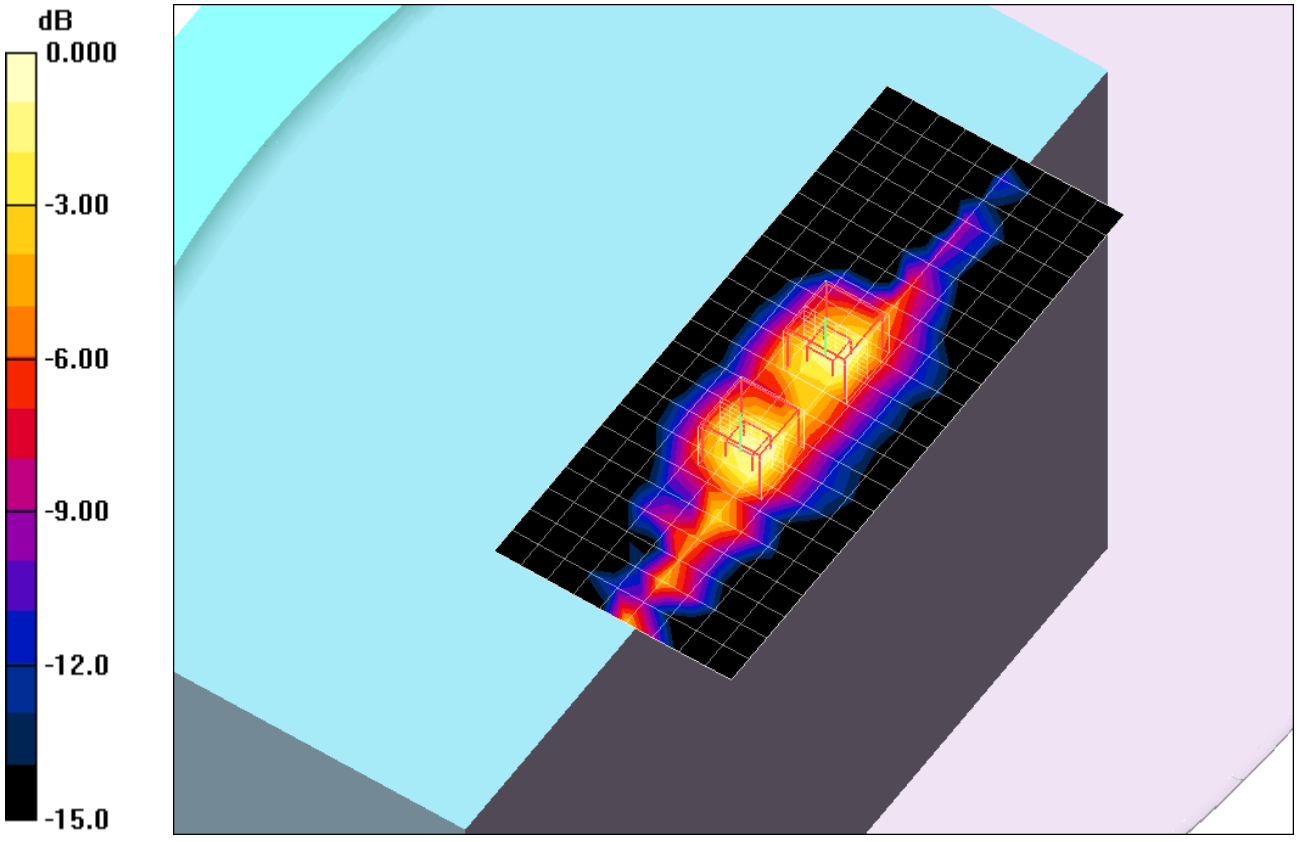
5GHz bands

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 = 6.19 mho/m; ε_r = 48.5; 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) = 0.822 mW/g

802.11a,Chain 1_Ch 157/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 10.7 V/m; Power Drift = 0.123 dB
Peak SAR (extrapolated) = 1.94 W/kg
SAR(1 g) = 0.558 mW/g; SAR(10 g) = 0.182 mW/g
Maximum value of SAR (measured) = 0.982 mW/g

802.11a,Chain 2_Ch 157/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 10.7 V/m; Power Drift = 0.123 dB
Peak SAR (extrapolated) = 2.24 W/kg
SAR(1 g) = 0.605 mW/g; SAR(10 g) = 0.196 mW/g
Maximum value of SAR (measured) = 1.06 mW/g



0 dB = 1.06mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 1/25/2012 10:29:47 PM

5GHz bands

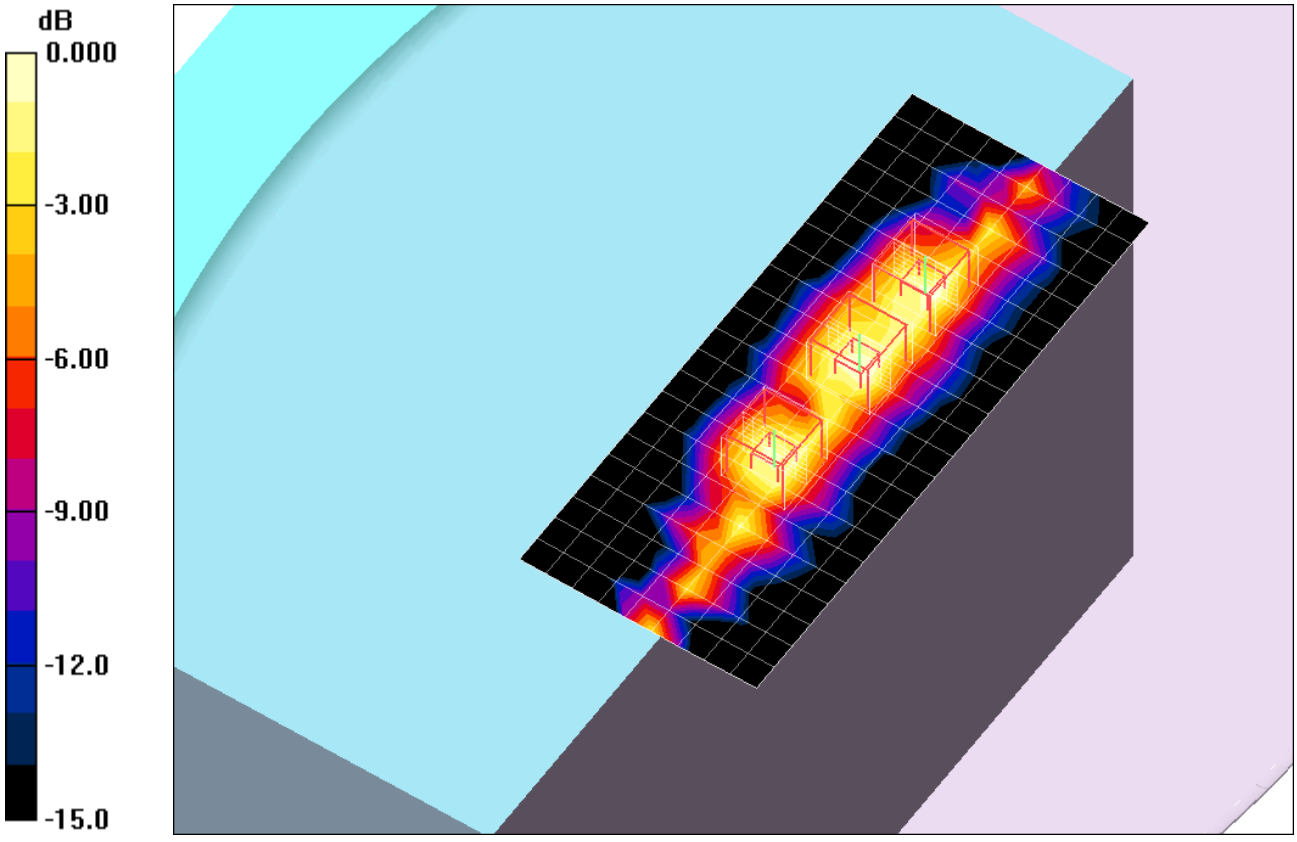
Frequency: 5785 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5785 MHz; σ = 6.19 mho/m; ε_r = 48.5; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 5/3/2011
- Probe: EX3DV4 - SN3773; ConvF(3.58, 3.58, 3.58); 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) = 1.04 mW/g

802.11a,Chain 0_Ch 157/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.1 V/m; Power Drift = 0.129 dB
Peak SAR (extrapolated) = 2.35 W/kg
SAR(1 g) = 0.666 mW/g; SAR(10 g) = 0.229 mW/g
Maximum value of SAR (measured) = 1.16 mW/g

802.11a,Chain 1_Ch 157/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.1 V/m; Power Drift = 0.129 dB
Peak SAR (extrapolated) = 2.55 W/kg
SAR(1 g) = 0.733 mW/g; SAR(10 g) = 0.245 mW/g
Maximum value of SAR (measured) = 1.32 mW/g

802.11a,Chain 2_Ch 157/Zoom Scan (7x7x9)/Cube 2: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.1 V/m; Power Drift = 0.129 dB
Peak SAR (extrapolated) = 2.48 W/kg
SAR(1 g) = 0.690 mW/g; SAR(10 g) = 0.223 mW/g
Maximum value of SAR (measured) = 1.24 mW/g



0 dB = 1.04mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 1/25/2012 11:28:37 PM

5GHz bands

Frequency: 5785 MHz; Duty Cycle: 1:1

802.11a,Chain 0,1,2_Ch 157/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 1.01 mW/g