5GHz bands

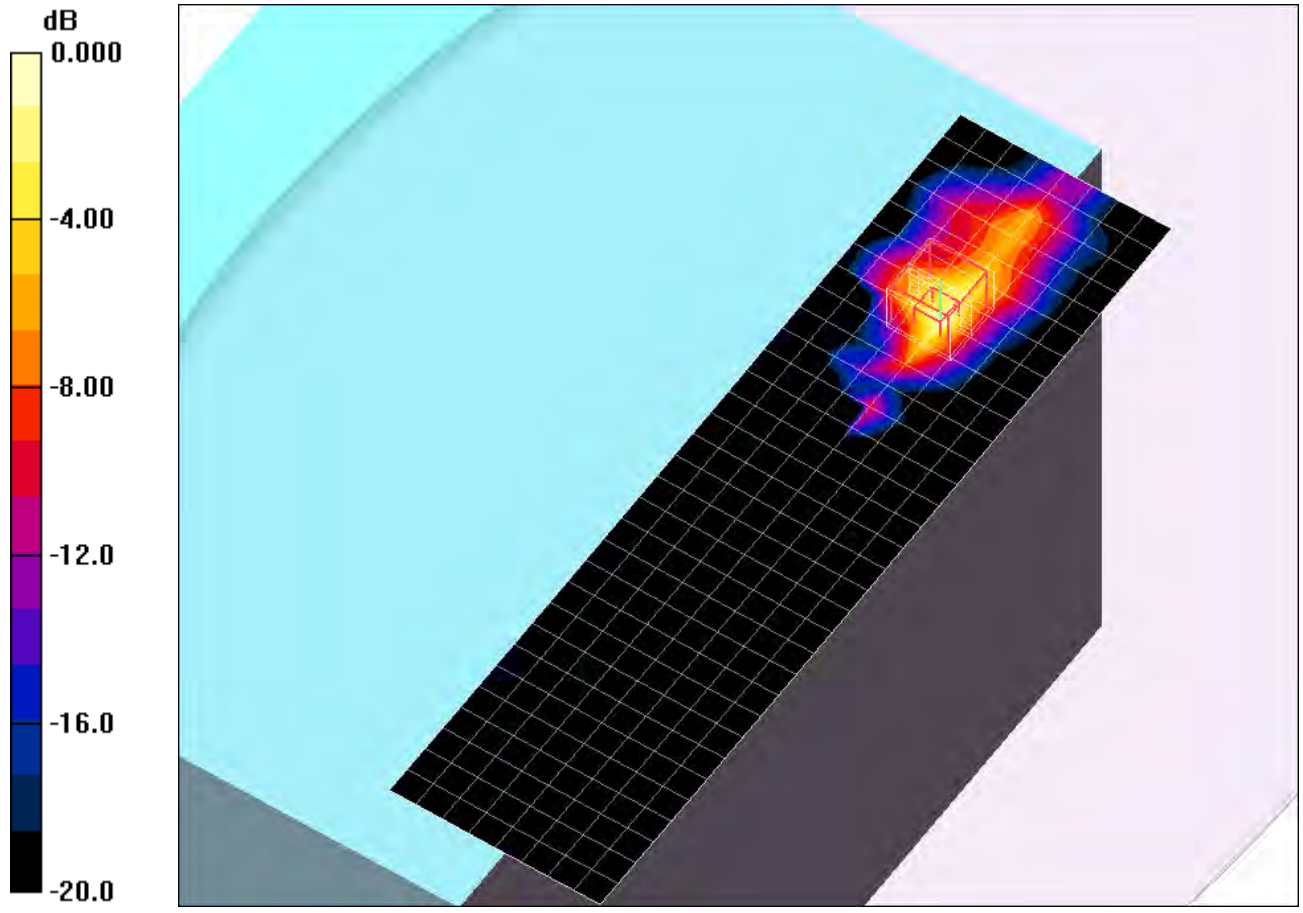
Frequency: 5180 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5180 MHz; σ = 5.02 mho/m; ε_r = 50.9; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.23, 4.23, 4.23); Calibrated: 1/27/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003

802.11a, Chain 0_Ch 36/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.46 mW/g

802.11a, Chain 0_Ch 36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 18.2 V/m; Power Drift = 0.026 dB
Peak SAR (extrapolated) = 3.51 W/kg
SAR(1 g) = 0.819 mW/g; SAR(10 g) = 0.236 mW/g
Maximum value of SAR (measured) = 1.55 mW/g



0 dB = 1.55mW/g

5GHz bands

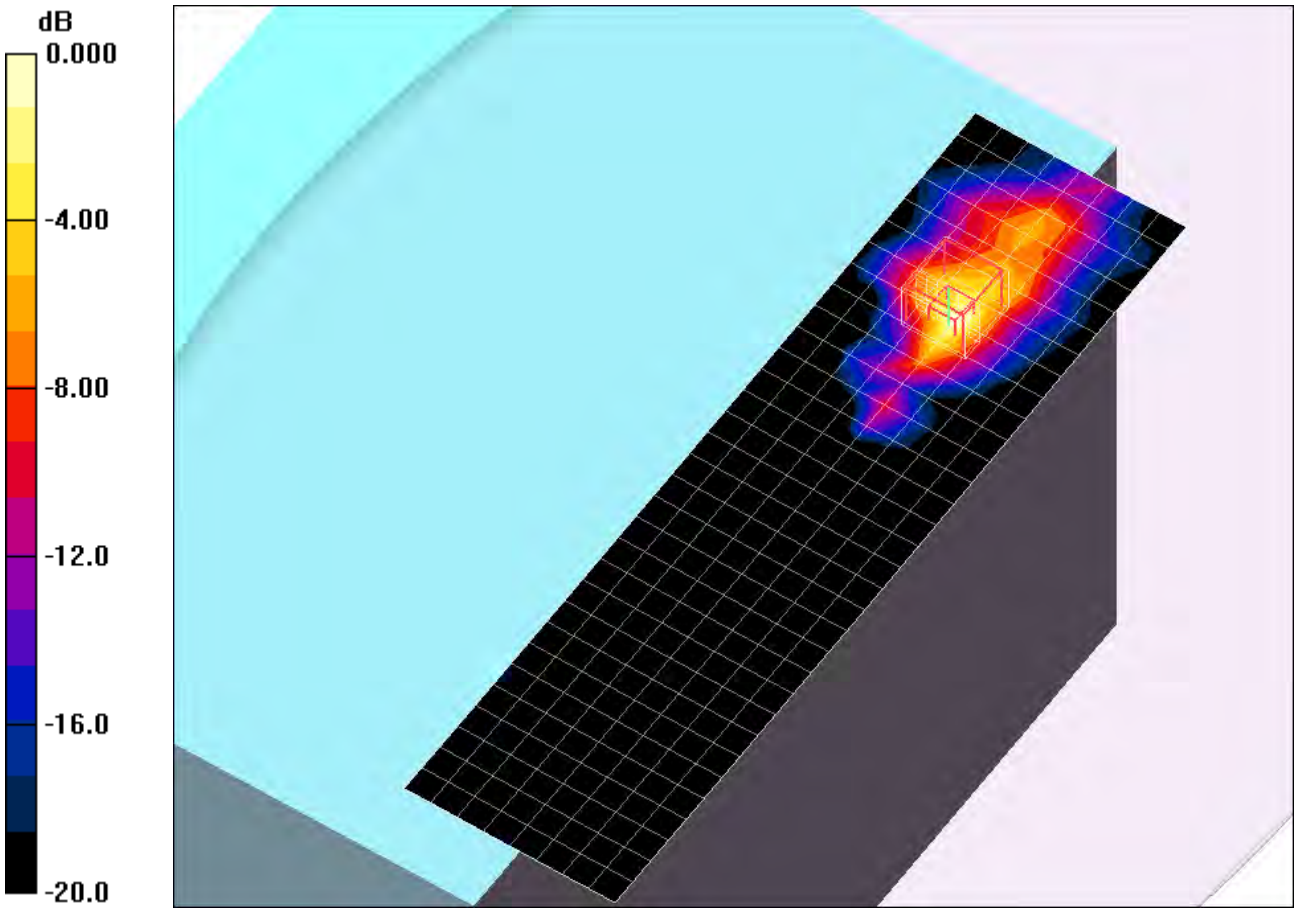
Frequency: 5220 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5220 MHz; σ = 5.08 mho/m; ε_r = 50.8; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.23, 4.23, 4.23); 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 44/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.72 mW/g

802.11a, Chain 0_Ch 44/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 18.2 V/m; Power Drift = 0.028 dB
Peak SAR (extrapolated) = 3.65 W/kg
SAR(1 g) = 0.844 mW/g; SAR(10 g) = 0.243 mW/g
Maximum value of SAR (measured) = 1.61 mW/g



0 dB = 1.61mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/20/2012 12:08:15 PM

5GHz bands

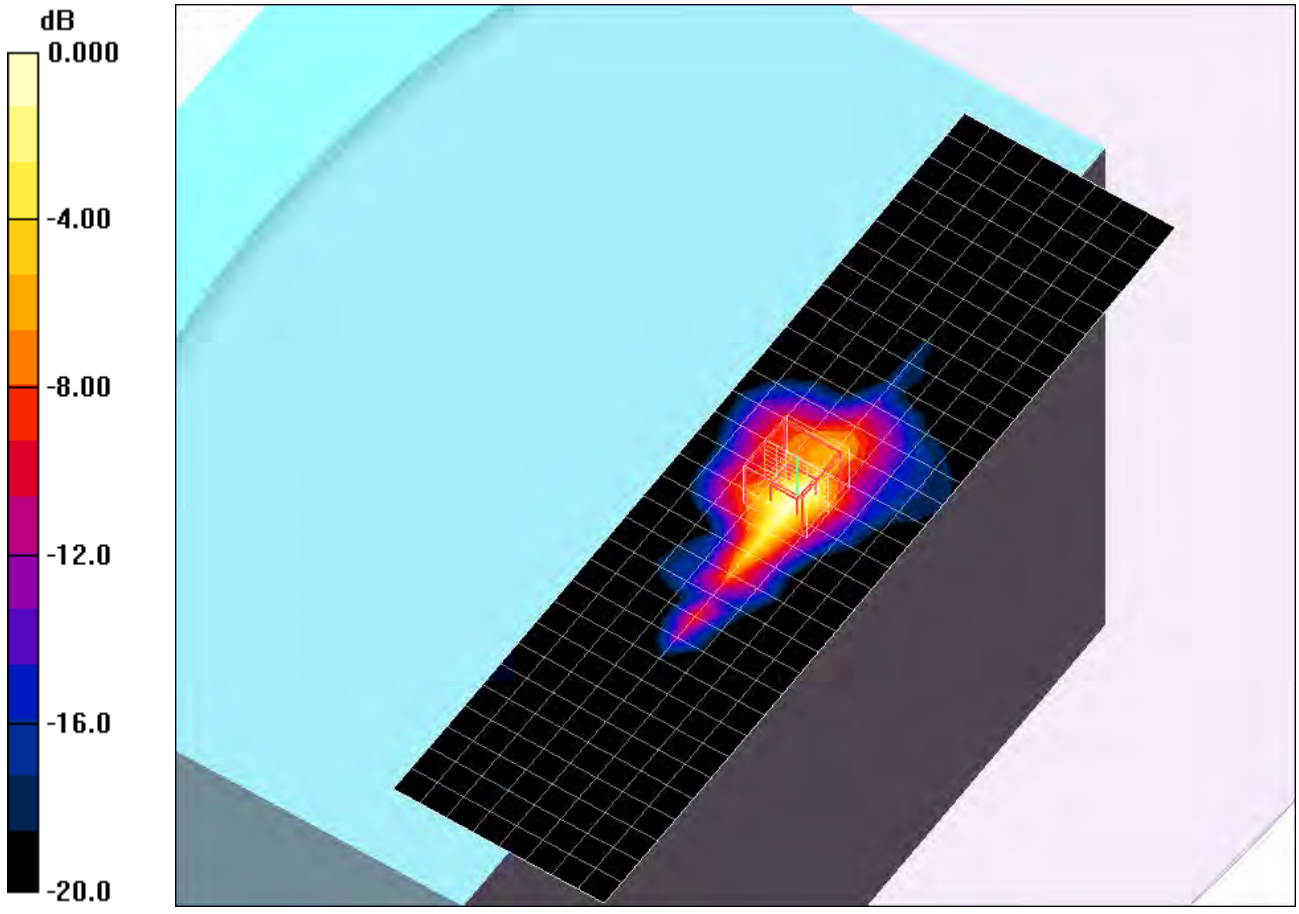
Frequency: 5180 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5180 MHz; σ = 5.02 mho/m; ε_r = 50.9; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.23, 4.23, 4.23); 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 (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.66 mW/g

802.11a, Chain 1_Ch 36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 9.75 V/m; Power Drift = 0.012 dB
Peak SAR (extrapolated) = 3.54 W/kg
SAR(1 g) = 0.942 mW/g; SAR(10 g) = 0.264 mW/g
Maximum value of SAR (measured) = 1.70 mW/g



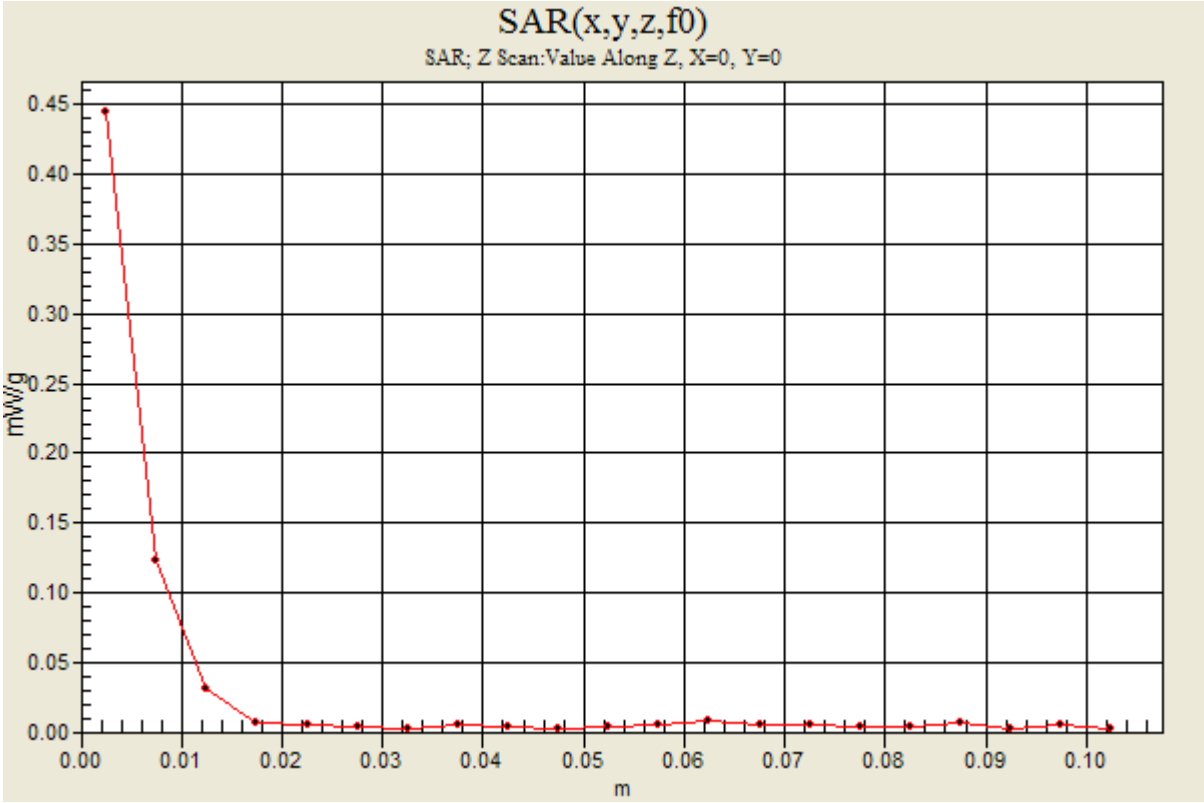
0 dB = 1.70mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/20/2012 2:07:51 PM

5GHz bands

Frequency: 5180 MHz; Duty Cycle: 1:1

802.11a, Chain 1_Ch 36/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.445 mW/g



Test Laboratory: UL CCS SAR Lab D Date/Time: 4/20/2012 2:12:28 PM

5GHz bands

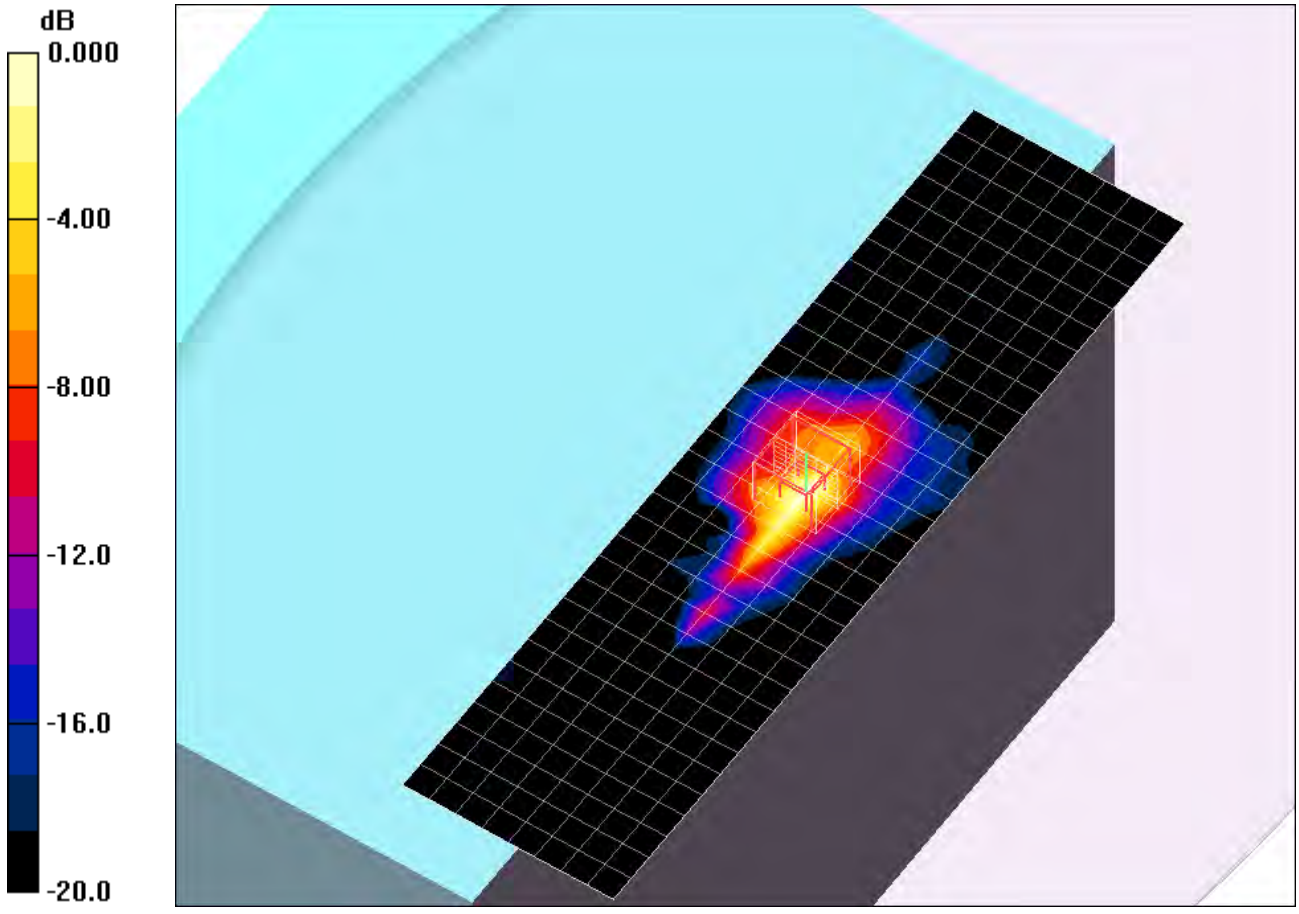
Frequency: 5220 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5220 MHz; σ = 5.08 mho/m; ε_r = 50.8; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.23, 4.23, 4.23); 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 44/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.49 mW/g

802.11a, Chain 1_Ch 44/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 18.7 V/m; Power Drift = 0.091 dB
Peak SAR (extrapolated) = 3.34 W/kg
SAR(1 g) = 0.874 mW/g; SAR(10 g) = 0.251 mW/g
Maximum value of SAR (measured) = 1.62 mW/g



0 dB = 1.62mW/g

5GHz bands

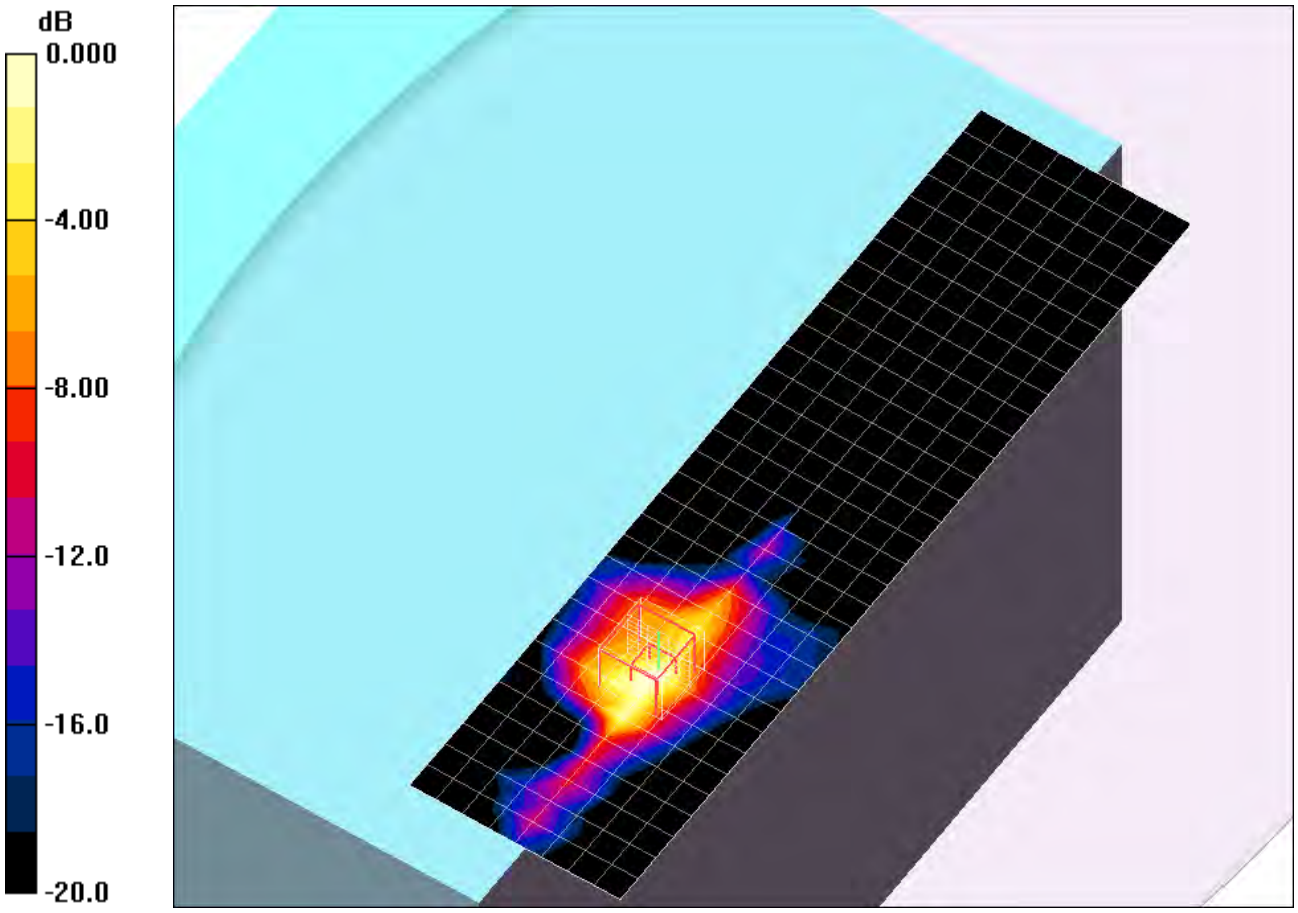
Frequency: 5180 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5180 MHz; σ = 5.02 mho/m; ε_r = 50.9; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.23, 4.23, 4.23); 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 36/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.816 mW/g

802.11a, Chain 2_Ch 36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 12.8 V/m; Power Drift = 0.075 dB
Peak SAR (extrapolated) = 1.45 W/kg
SAR(1 g) = 0.398 mW/g; SAR(10 g) = 0.131 mW/g
Maximum value of SAR (measured) = 0.744 mW/g



0 dB = 0.744mW/g

5GHz bands

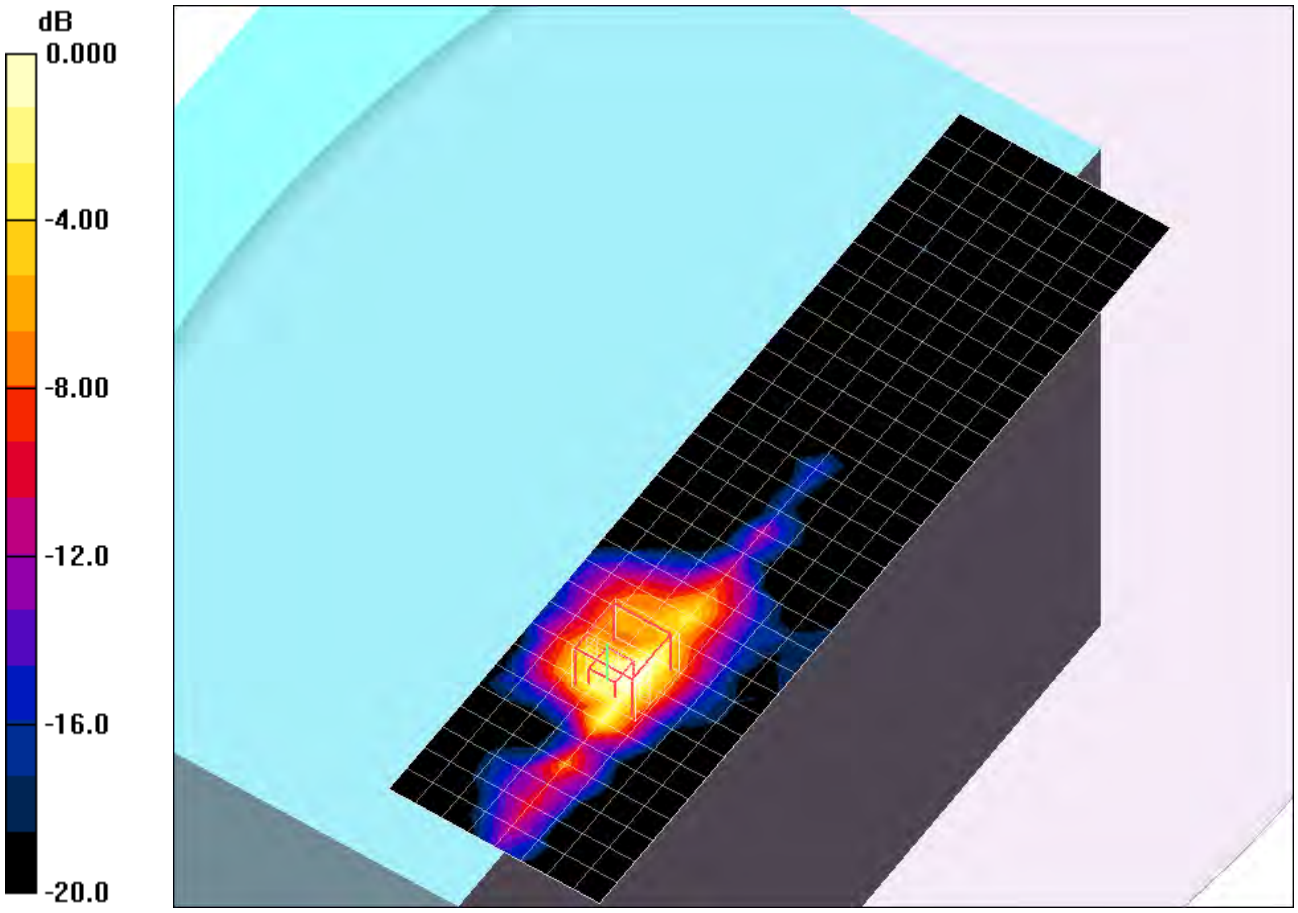
Frequency: 5220 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5220 MHz; σ = 5.08 mho/m; ε_r = 50.8; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.23, 4.23, 4.23); 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 44/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.744 mW/g

802.11a, Chain 2_Ch 44/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 10.9 V/m; Power Drift = 0.012 dB
Peak SAR (extrapolated) = 1.51 W/kg
SAR(1 g) = 0.428 mW/g; SAR(10 g) = 0.147 mW/g
Maximum value of SAR (measured) = 0.790 mW/g



0 dB = 0.790mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/20/2012 6:46:06 PM

5GHz bands

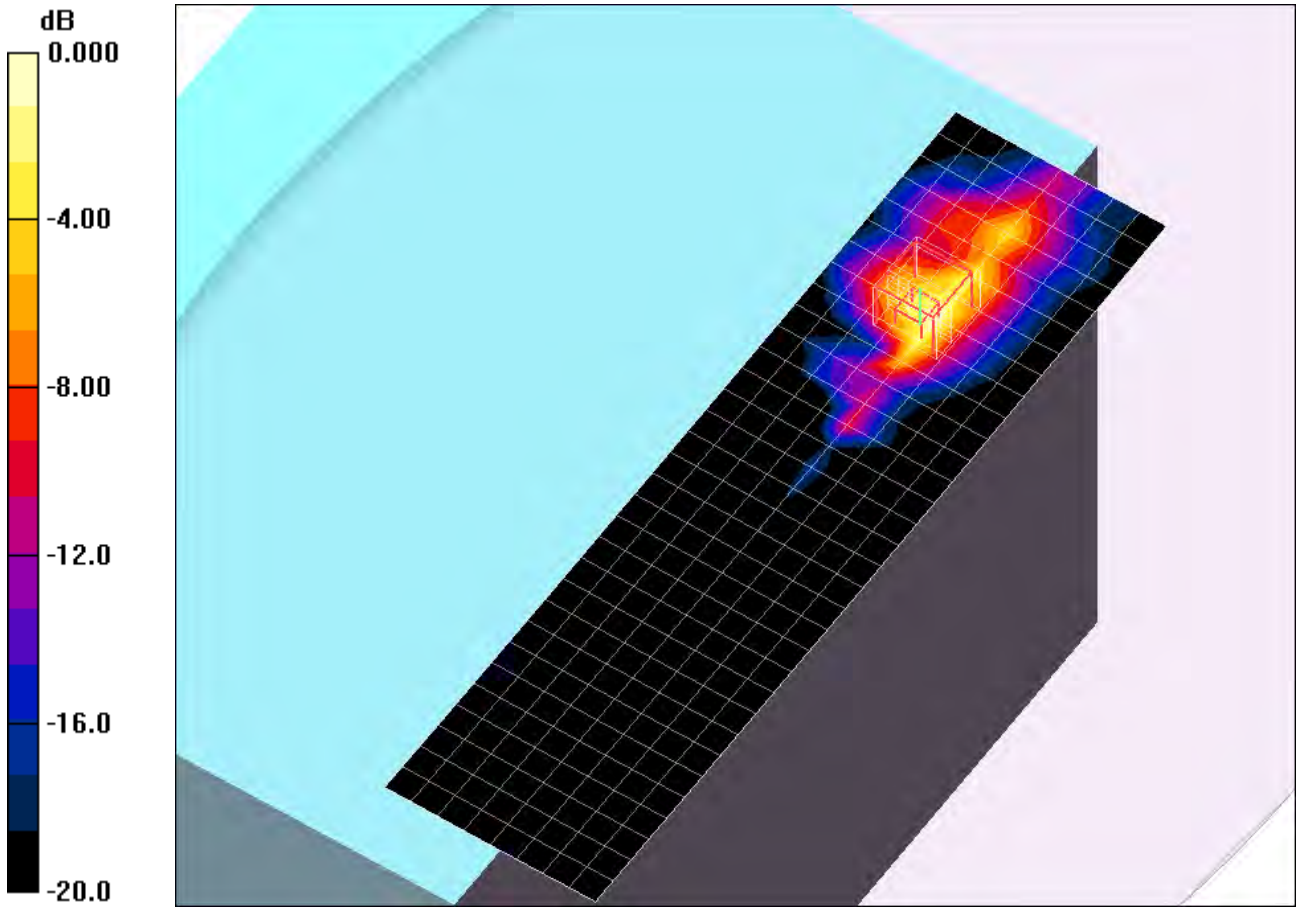
Frequency: 5190 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5190 MHz; σ = 5.04 mho/m; ε_r = 50.9; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.23, 4.23, 4.23); 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 (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.01 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 = 13.1 V/m; Power Drift = 0.052 dB
Peak SAR (extrapolated) = 3.31 W/kg
SAR(1 g) = 0.757 mW/g; SAR(10 g) = 0.216 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: 4/20/2012 6:12:59 PM

5GHz bands

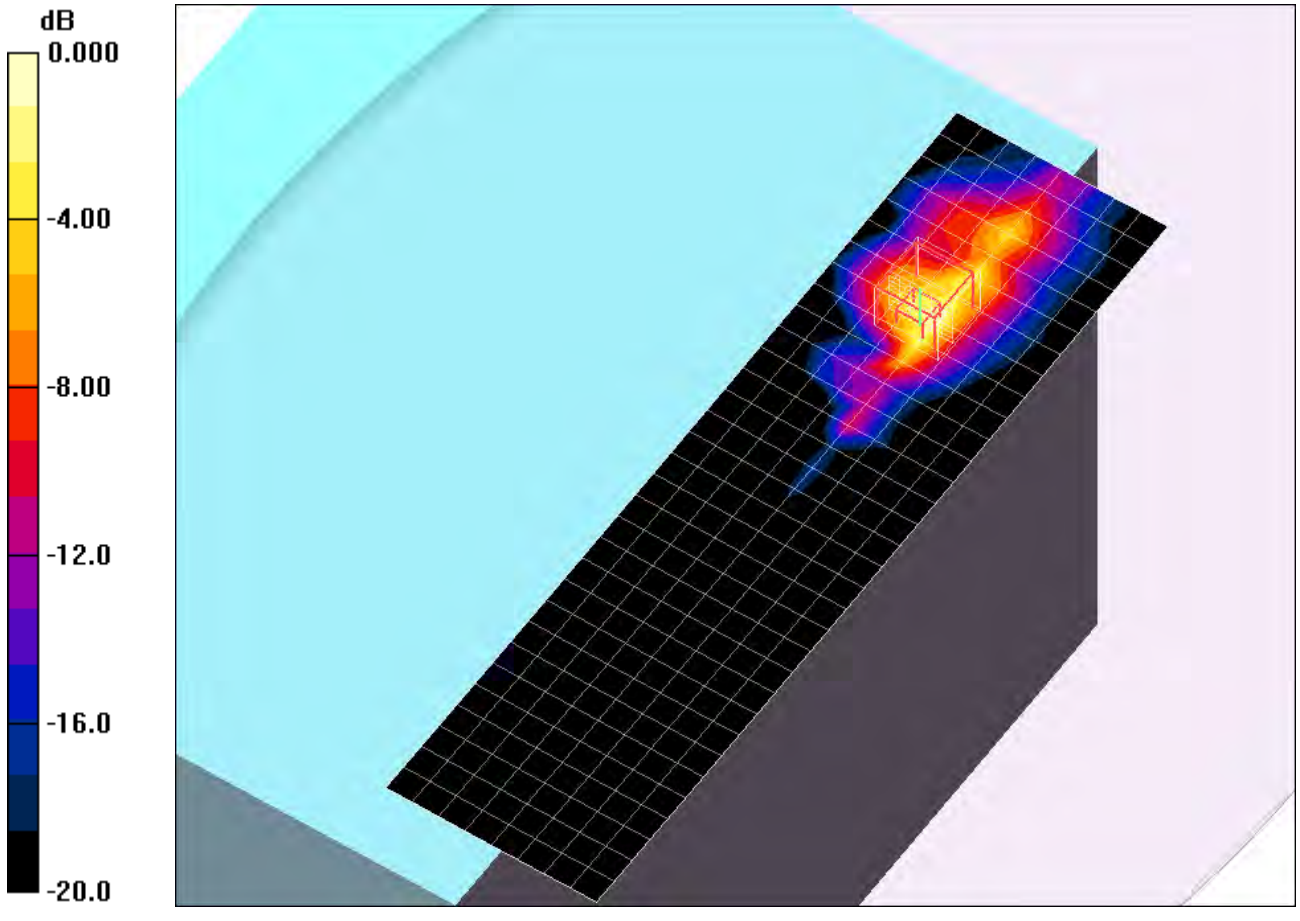
Frequency: 5230 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5230 MHz; σ = 5.1 mho/m; ε_r = 50.8; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.23, 4.23, 4.23); 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 46/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.21 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 = 14.5 V/m; Power Drift = 0.040 dB
Peak SAR (extrapolated) = 3.98 W/kg
SAR(1 g) = 0.897 mW/g; SAR(10 g) = 0.253 mW/g
Maximum value of SAR (measured) = 1.63 mW/g



0 dB = 1.63mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/20/2012 8:08:17 PM

5GHz bands

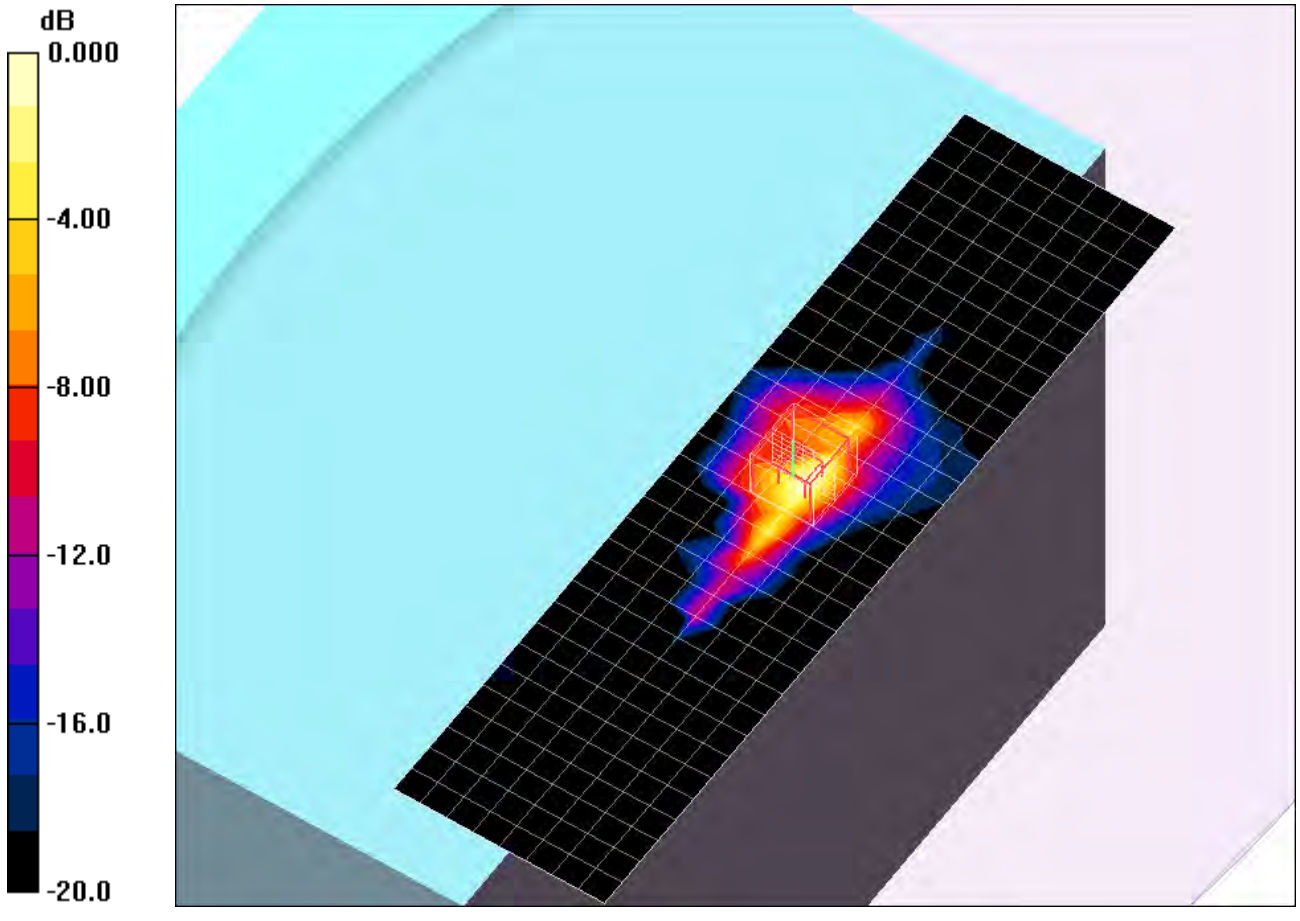
Frequency: 5190 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5190 MHz; σ = 5.04 mho/m; ε_r = 50.9; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.23, 4.23, 4.23); 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 (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.55 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 = 15.8 V/m; Power Drift = 0.036 dB
Peak SAR (extrapolated) = 3.33 W/kg
SAR(1 g) = 0.899 mW/g; SAR(10 g) = 0.253 mW/g
Maximum value of SAR (measured) = 1.63 mW/g



0 dB = 1.63mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/20/2012 7:15:51 PM

5GHz bands

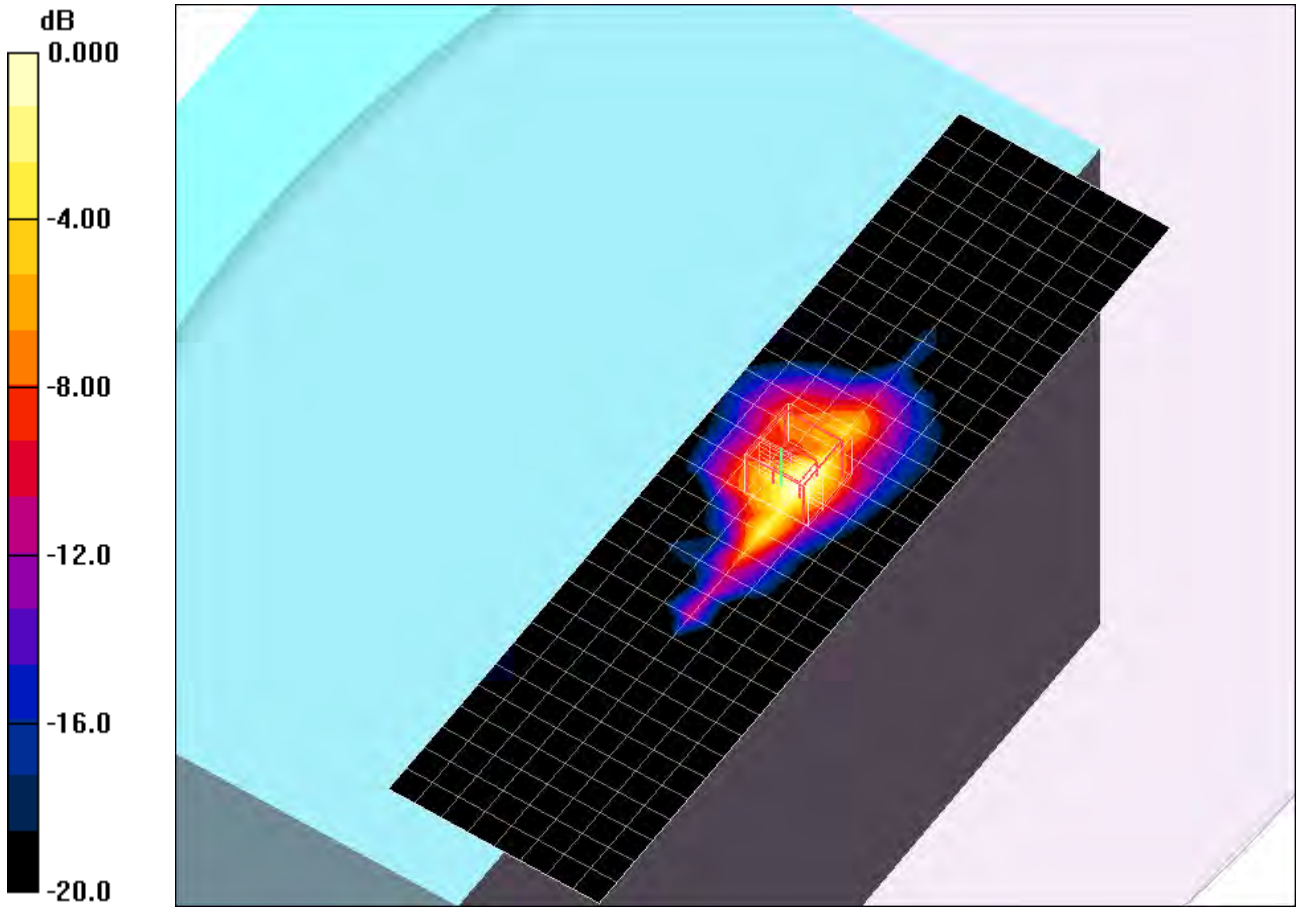
Frequency: 5230 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5230 MHz; σ = 5.1 mho/m; ε_r = 50.8; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.23, 4.23, 4.23); 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 (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.89 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 = 17.7 V/m; Power Drift = 0.026 dB
Peak SAR (extrapolated) = 4.24 W/kg
SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.327 mW/g
Maximum value of SAR (measured) = 2.00 mW/g



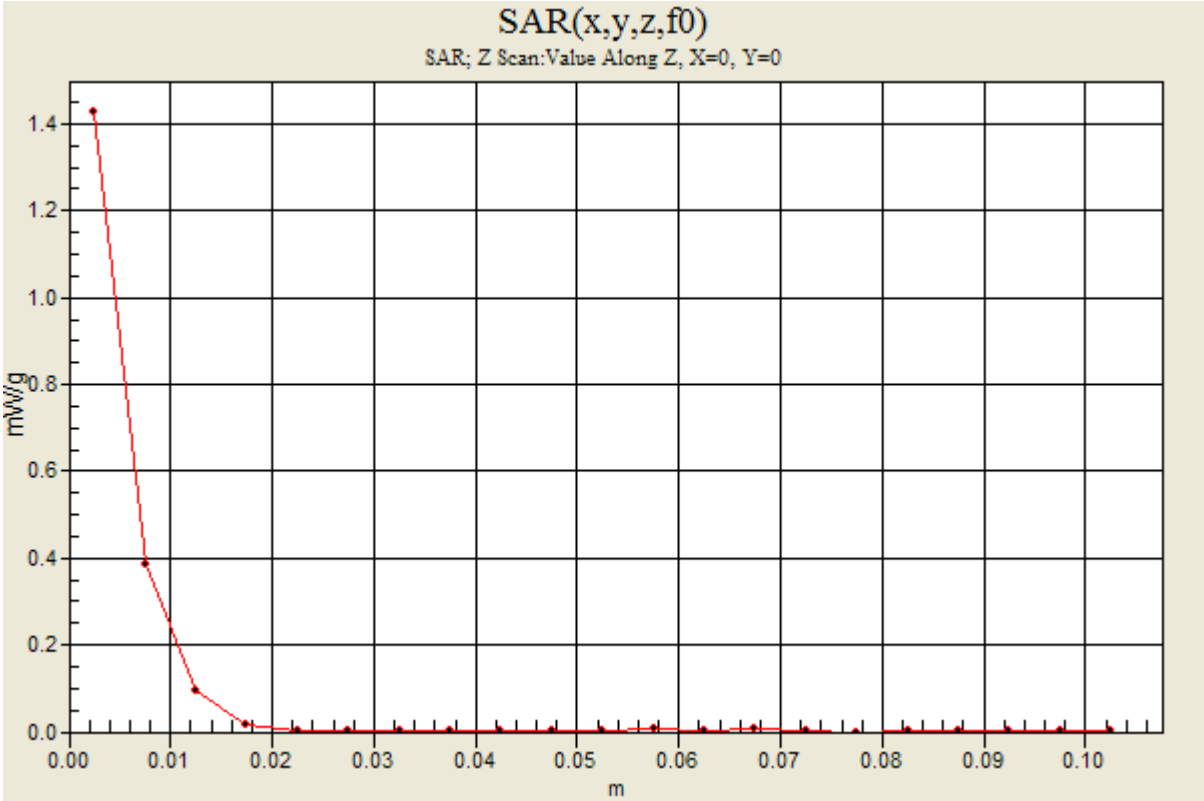
0 dB = 2.00mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/20/2012 7:41:49 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) = 1.43 mW/g



Test Laboratory: UL CCS SAR Lab D Date/Time: 4/20/2012 9:16:11 PM

5GHz bands

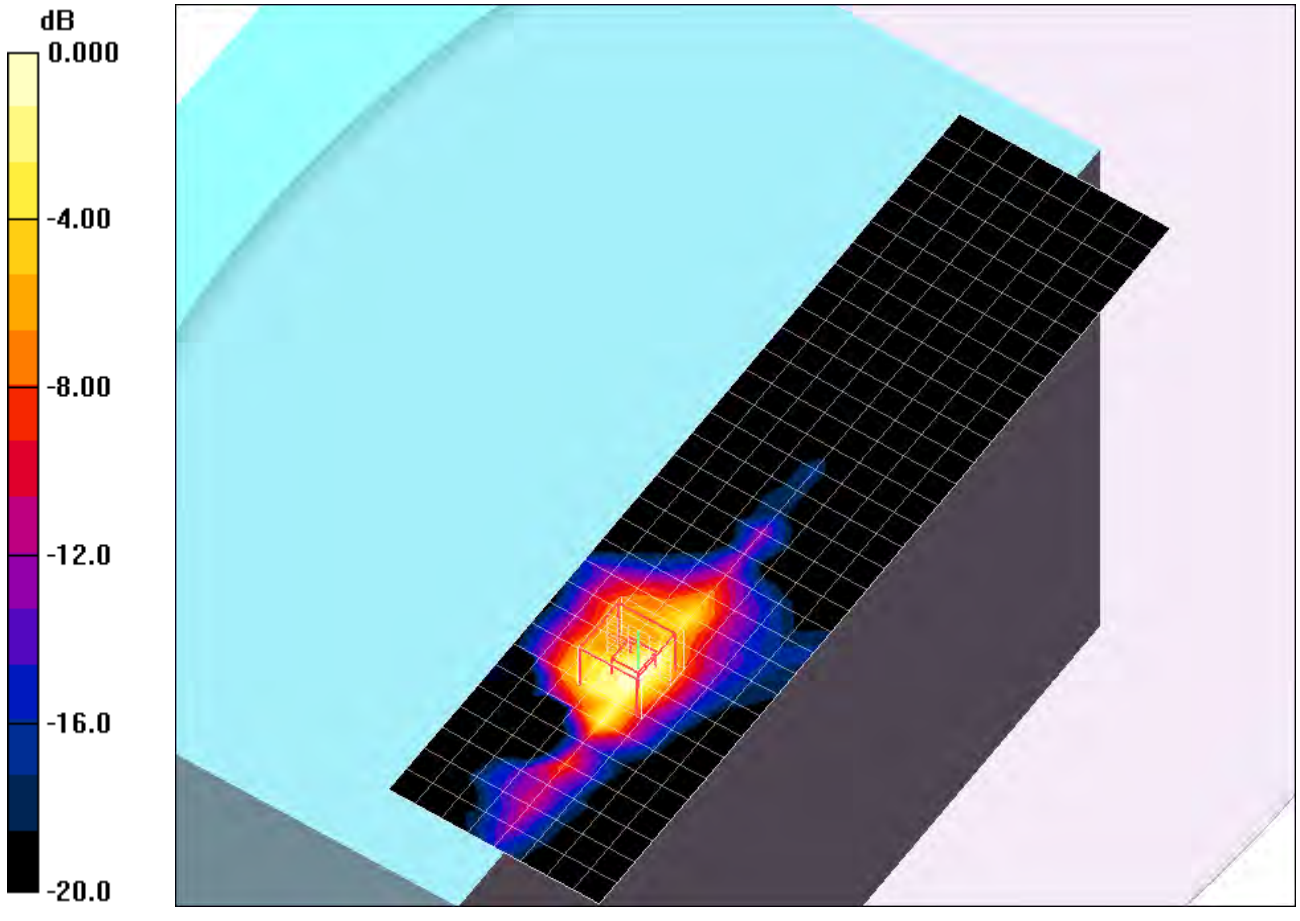
Frequency: 5190 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5190 MHz; σ = 5.04 mho/m; ε_r = 50.9; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.23, 4.23, 4.23); 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 (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.751 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 = 11.0 V/m; Power Drift = 0.015 dB
Peak SAR (extrapolated) = 1.49 W/kg
SAR(1 g) = 0.413 mW/g; SAR(10 g) = 0.139 mW/g
Maximum value of SAR (measured) = 0.785 mW/g



0 dB = 0.785mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/20/2012 8:41:59 PM

5GHz bands

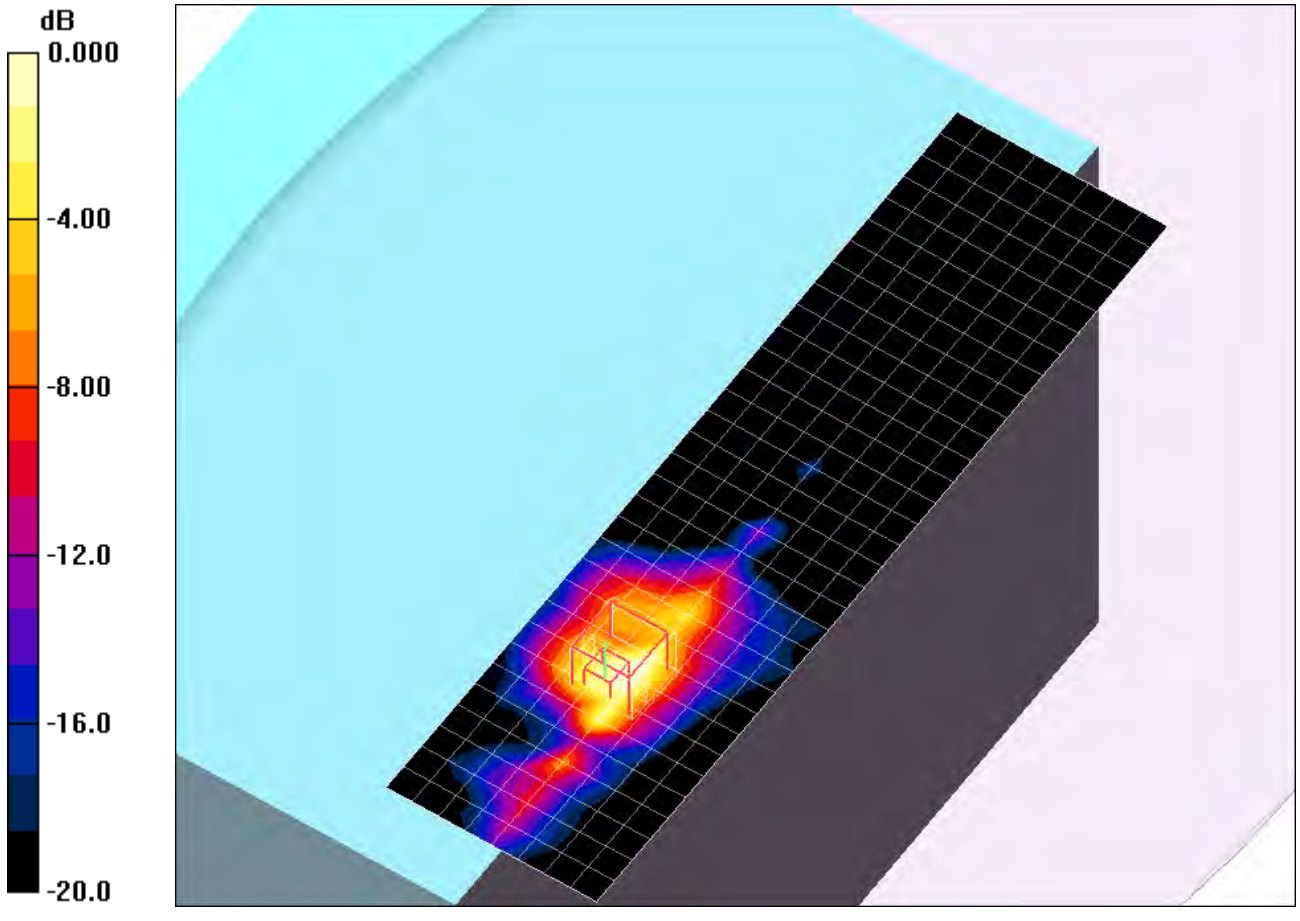
Frequency: 5230 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5230 MHz; σ = 5.1 mho/m; ε_r = 50.8; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.23, 4.23, 4.23); 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 (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.933 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 = 12.4 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.89 W/kg
SAR(1 g) = 0.537 mW/g; SAR(10 g) = 0.184 mW/g
Maximum value of SAR (measured) = 0.973 mW/g



0 dB = 0.973mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 5/7/2012 12:21:08 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 = 5.27 mho/m; ε_r = 50.8; 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 HT20,Chain 0,1_Ch 36/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

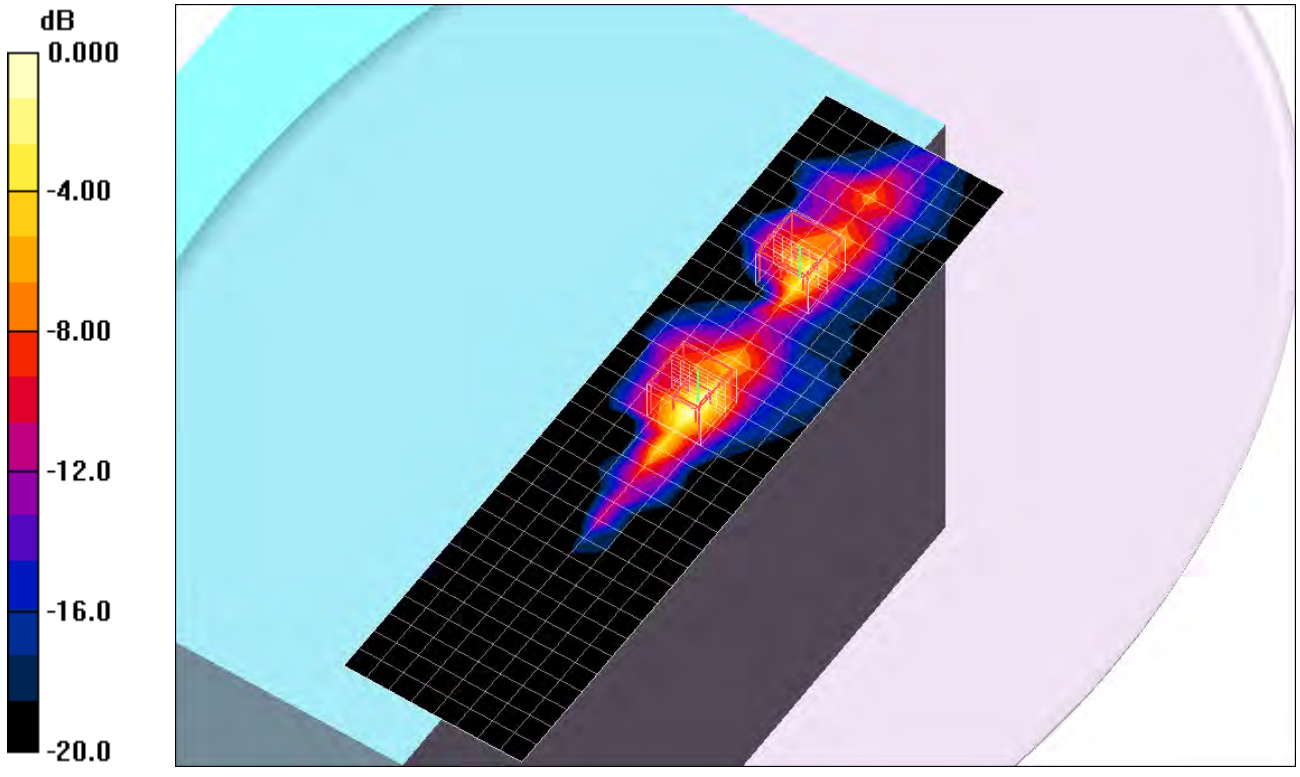
Maximum value of SAR (measured) = 0.930 mW/g

802.11n HT20,Chain 0_Ch 36/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 13.3 V/m; Power Drift = -0.114 dB
Peak SAR (extrapolated) = 1.71 W/kg
SAR(1 g) = 0.363 mW/g; SAR(10 g) = 0.100 mW/g
Maximum value of SAR (measured) = 0.675 mW/g

802.11n HT20,Chain 1_Ch 36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 13.3 V/m; Power Drift = -0.114 dB
Peak SAR (extrapolated) = 2.38 W/kg
SAR(1 g) = 0.592 mW/g; SAR(10 g) = 0.162 mW/g
Maximum value of SAR (measured) = 1.09 mW/g

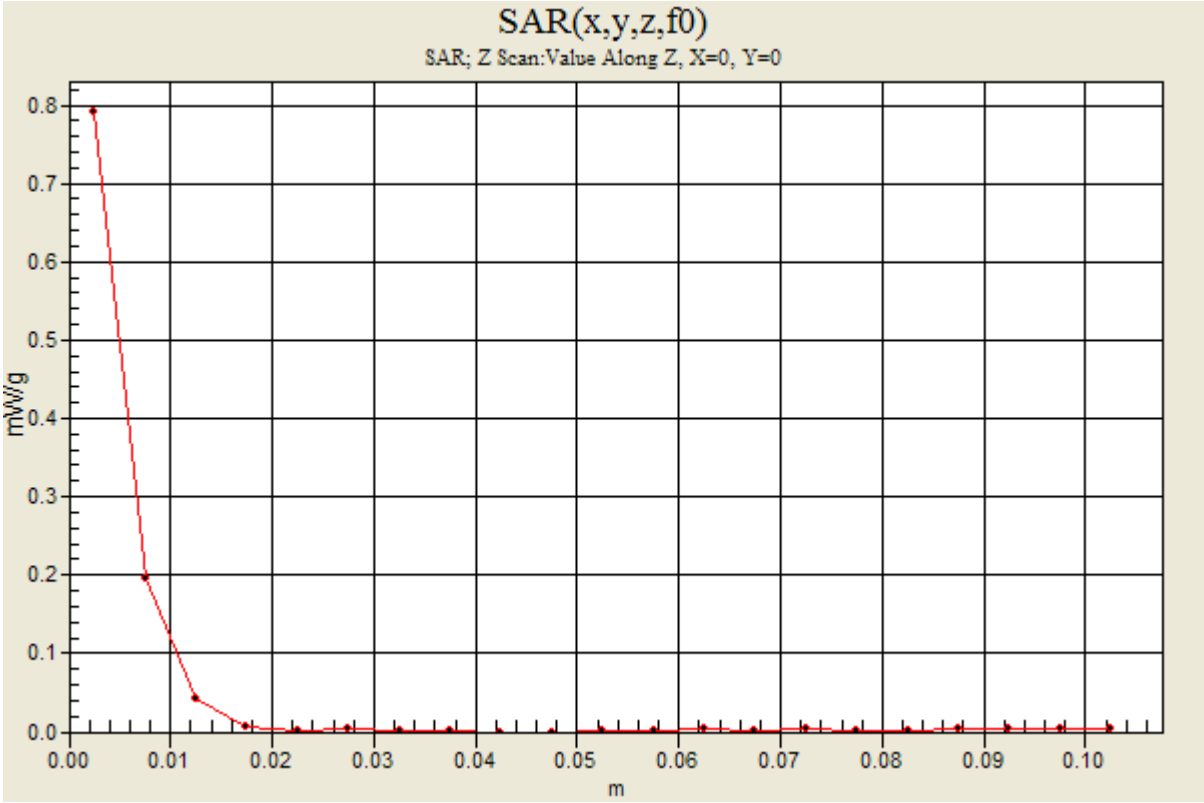


0 dB = 1.09mW/g

5GHz bands

Frequency: 5180 MHz; Duty Cycle: 1:1

802.11n HT20,Chain 0,1_Ch 36/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.791 mW/g



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 = 5.27 mho/m; ε_r = 50.8; 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 HT20,Chain 0,2_Ch 36/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

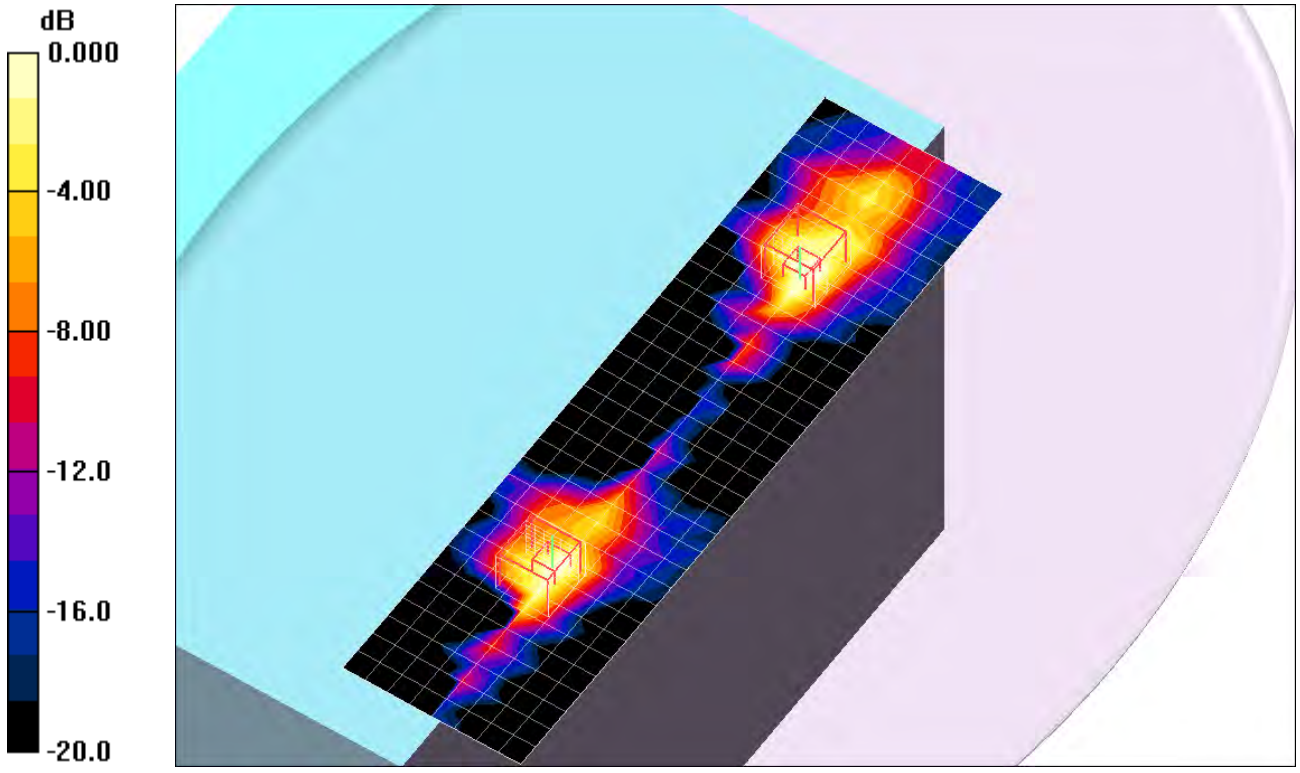
Maximum value of SAR (measured) = 0.718 mW/g

802.11n HT20,Chain 0_Ch 36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 11.5 V/m; Power Drift = 0.037 dB
Peak SAR (extrapolated) = 1.72 W/kg
SAR(1 g) = 0.377 mW/g; SAR(10 g) = 0.106 mW/g
Maximum value of SAR (measured) = 0.714 mW/g

802.11n HT20,Chain 2_Ch 36/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 11.5 V/m; Power Drift = 0.037 dB
Peak SAR (extrapolated) = 0.762 W/kg
SAR(1 g) = 0.220 mW/g; SAR(10 g) = 0.072 mW/g
Maximum value of SAR (measured) = 0.403 mW/g



0 dB = 0.403mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 5/7/2012 7:12:32 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 = 5.27 mho/m; ε_r = 50.8; 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 HT20,Chain 1,2_Ch 36/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

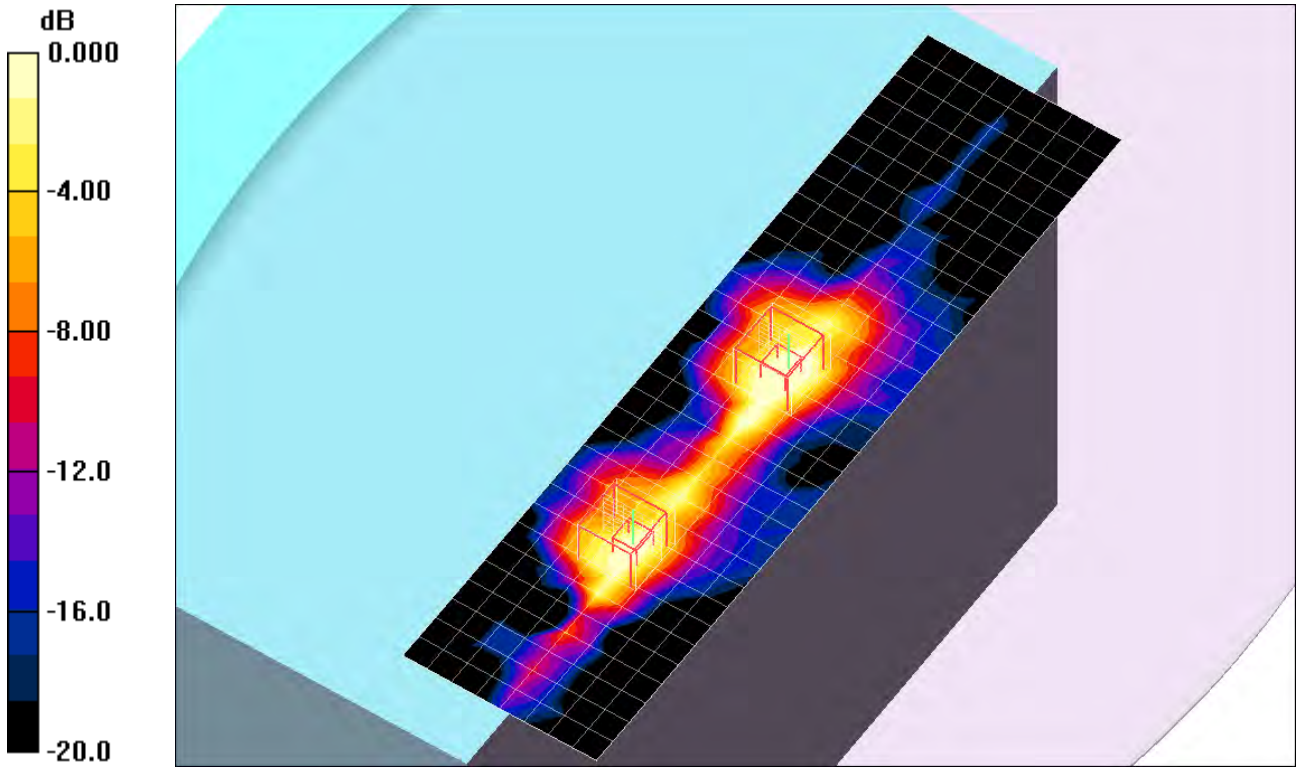
Maximum value of SAR (measured) = 1.14 mW/g

802.11n HT20,Chain 1_Ch 36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 13.5 V/m; Power Drift = 0.007 dB
Peak SAR (extrapolated) = 2.14 W/kg
SAR(1 g) = 0.525 mW/g; SAR(10 g) = 0.142 mW/g
Maximum value of SAR (measured) = 0.967 mW/g

802.11n HT20,Chain 2_Ch 36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 13.5 V/m; Power Drift = 0.007 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.246 mW/g; SAR(10 g) = 0.077 mW/g
Maximum value of SAR (measured) = 0.463 mW/g



0 dB = 0.463mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 5/9/2012 8:12:51 PM

5GHz bands

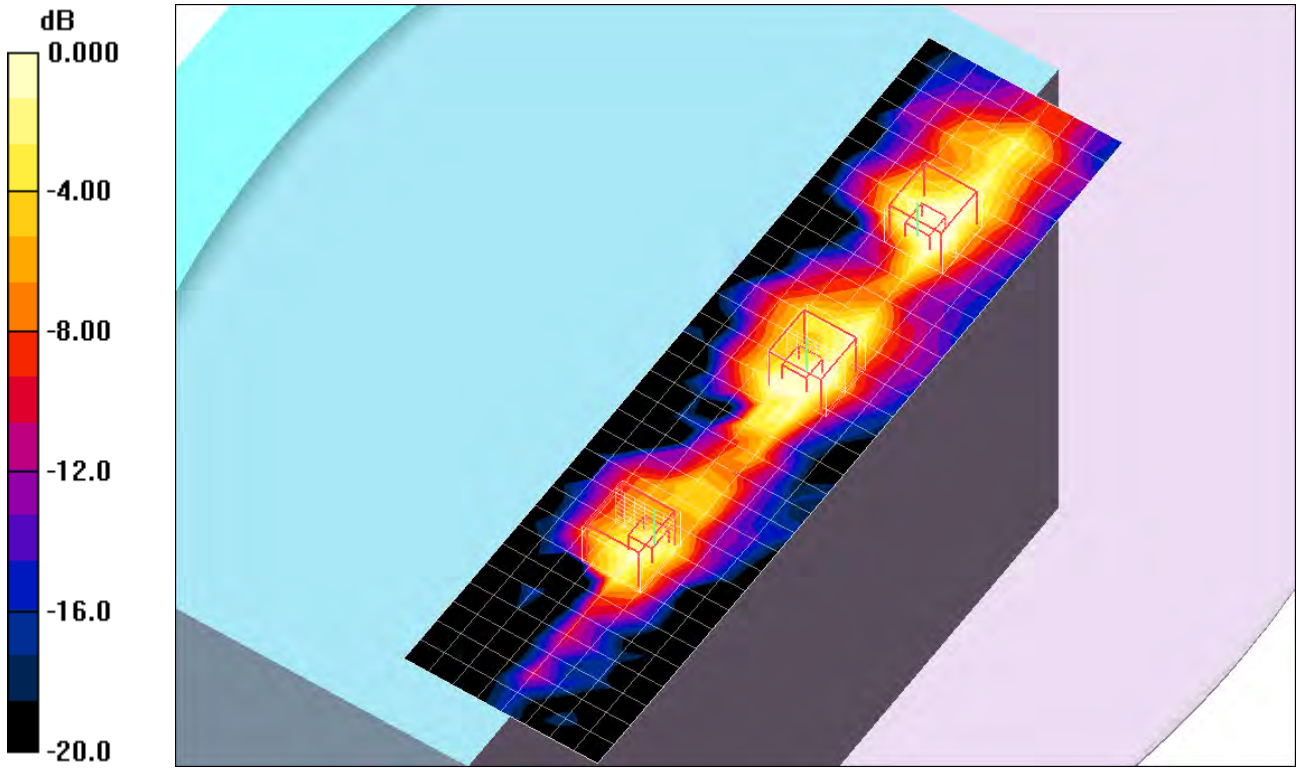
Frequency: 5190 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5190 MHz; σ = 5.09 mho/m; ε_r = 51.3; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.23, 4.23, 4.23); 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

802.11n HT40,Chain 0,1,2_Ch 38/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.626 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 = 10.1 V/m; Power Drift = 0.020 dB
Peak SAR (extrapolated) = 1.69 W/kg
SAR(1 g) = 0.379 mW/g; SAR(10 g) = 0.104 mW/g
Maximum value of SAR (measured) = 0.702 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 = 10.1 V/m; Power Drift = 0.020 dB
Peak SAR (extrapolated) = 1.59 W/kg
SAR(1 g) = 0.423 mW/g; SAR(10 g) = 0.115 mW/g
Maximum value of SAR (measured) = 0.809 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 = 10.1 V/m; Power Drift = 0.020 dB
Peak SAR (extrapolated) = 0.619 W/kg
SAR(1 g) = 0.180 mW/g; SAR(10 g) = 0.058 mW/g
Maximum value of SAR (measured) = 0.353 mW/g

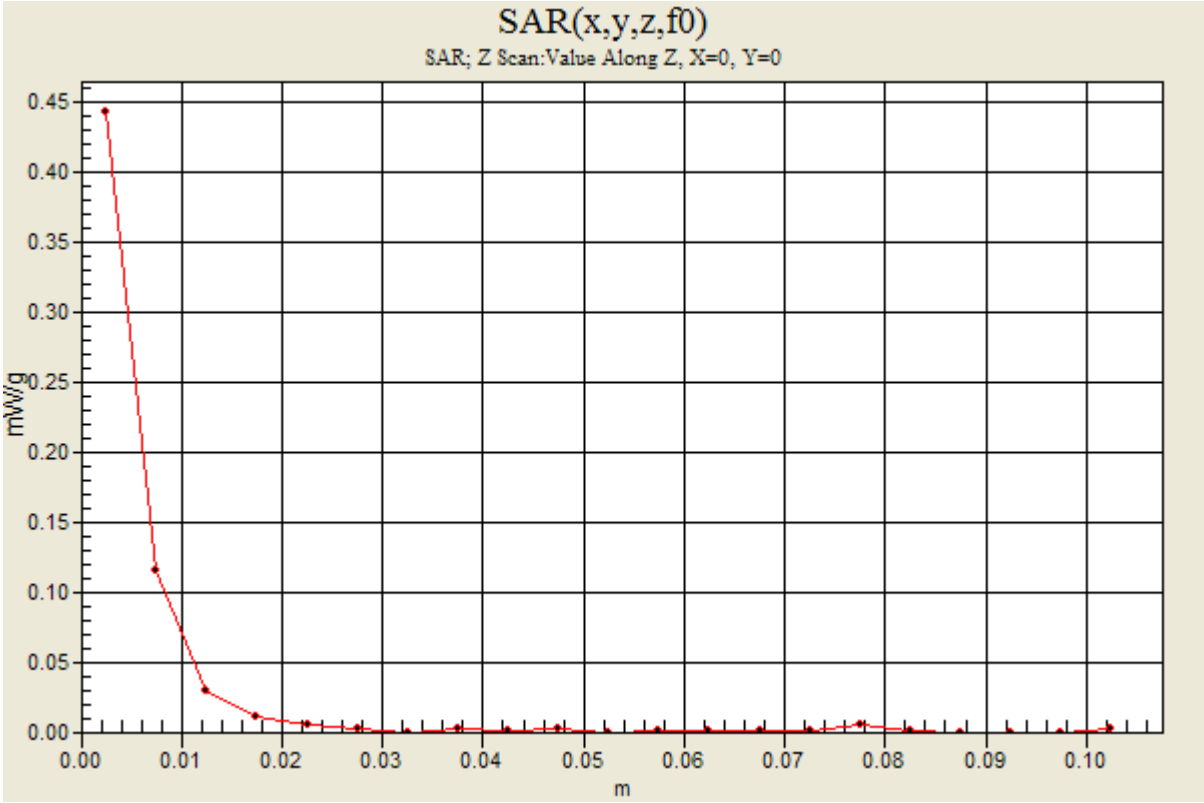


0 dB = 0.353mW/g

5GHz bands

Frequency: 5190 MHz; Duty Cycle: 1:1

802.11n HT40,Chain 0,1,2_Ch 38/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.443 mW/g



Test Laboratory: UL CCS SAR Lab D Date/Time: 5/9/2012 7:00:10 PM

5GHz bands

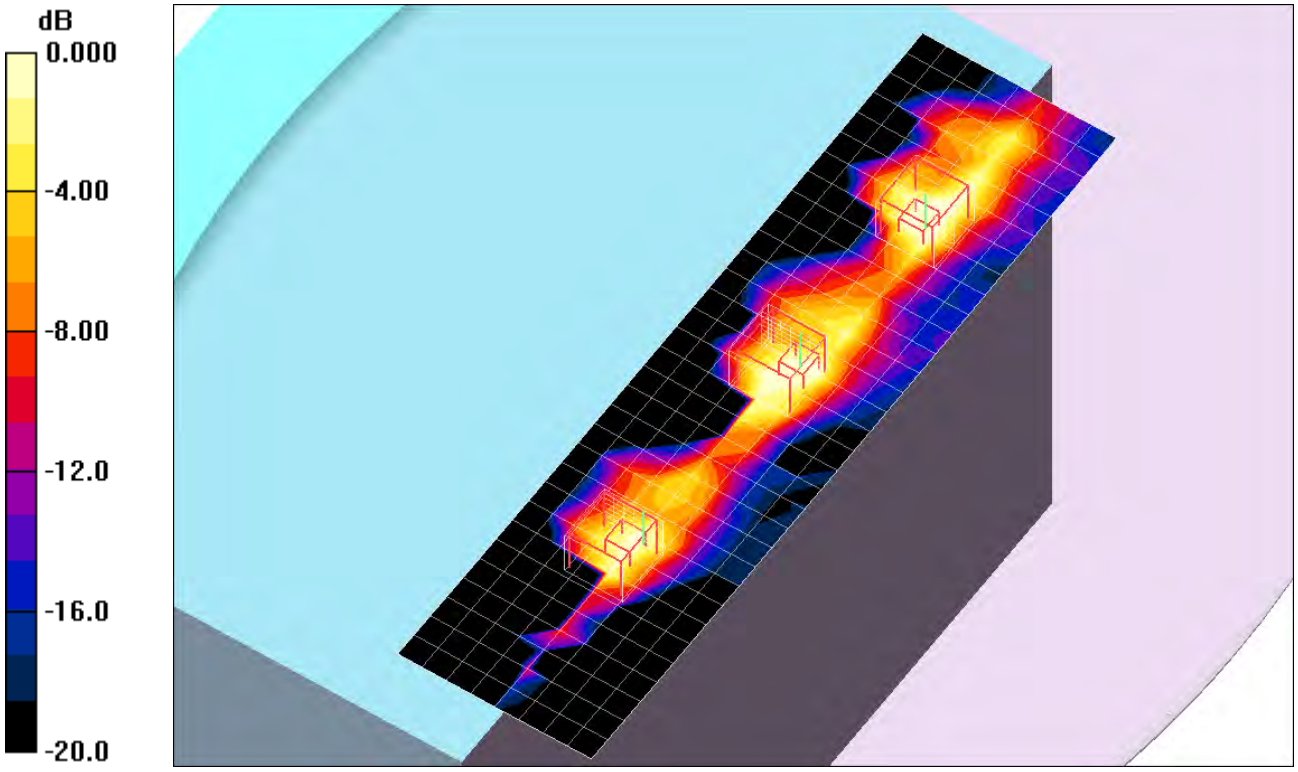
Frequency: 5230 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5230 MHz; σ = 5.14 mho/m; ε_r = 51.2; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.23, 4.23, 4.23); Calibrated: 1/27/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003

802.11n HT40,Chain 0,1,2_Ch 46/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.553 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 = 11.2 V/m; Power Drift = -0.099 dB
Peak SAR (extrapolated) = 1.70 W/kg
SAR(1 g) = 0.385 mW/g; SAR(10 g) = 0.105 mW/g
Maximum value of SAR (measured) = 0.694 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 = 11.2 V/m; Power Drift = -0.099 dB
Peak SAR (extrapolated) = 1.58 W/kg
SAR(1 g) = 0.400 mW/g; SAR(10 g) = 0.110 mW/g
Maximum value of SAR (measured) = 0.770 mW/g

802.11n HT40,Chain 2_Ch 46/Zoom Scan (7x7x9)/Cube 2: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 11.2 V/m; Power Drift = -0.099 dB
Peak SAR (extrapolated) = 0.744 W/kg
SAR(1 g) = 0.200 mW/g; SAR(10 g) = 0.058 mW/g
Maximum value of SAR (measured) = 0.362 mW/g



0 dB = 0.362mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 5/9/2012 11:01:10 PM

5GHz bands

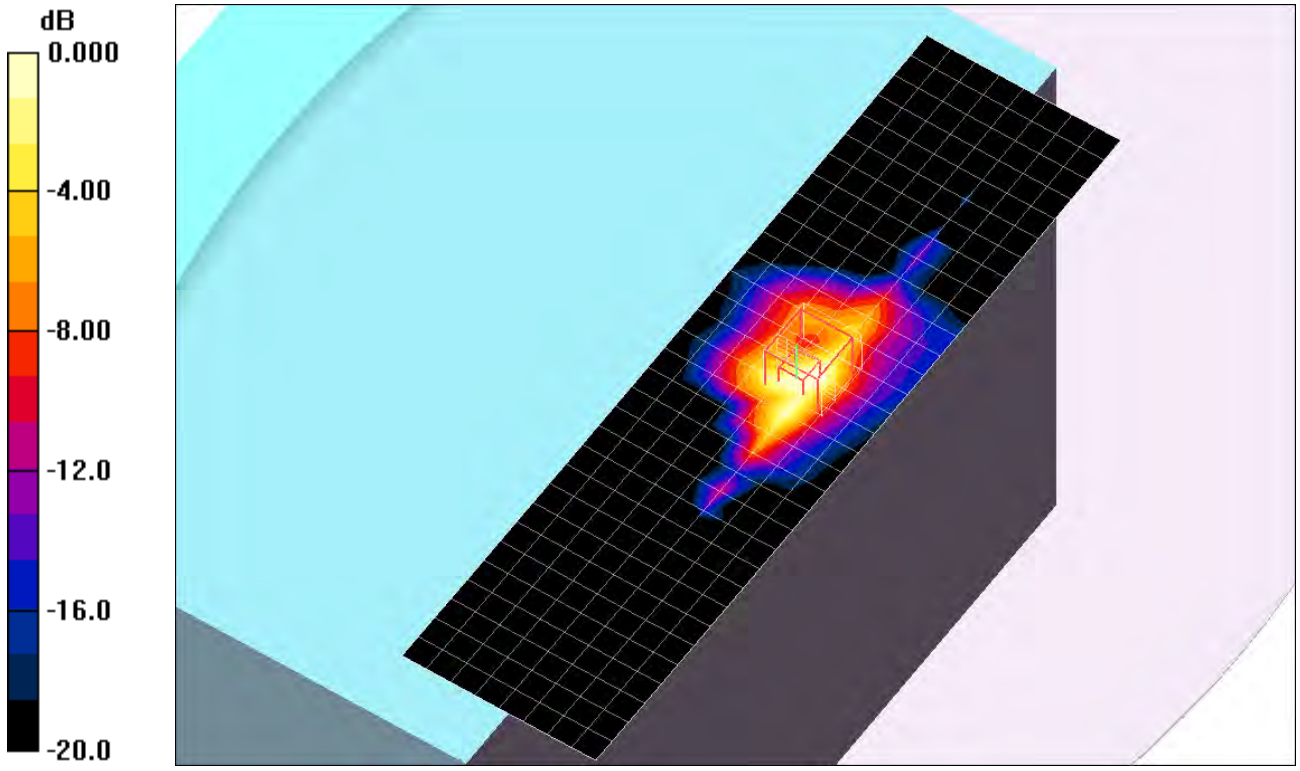
Frequency: 5190 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5190 MHz; σ = 5.09 mho/m; ε_r = 51.3; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.23, 4.23, 4.23); 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

802.11n HT40,Chain 1_Ch 38/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.82 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 = 16.0 V/m; Power Drift = 0.055 dB
Peak SAR (extrapolated) = 3.01 W/kg
SAR(1 g) = 0.849 mW/g; SAR(10 g) = 0.258 mW/g
Maximum value of SAR (measured) = 1.54 mW/g

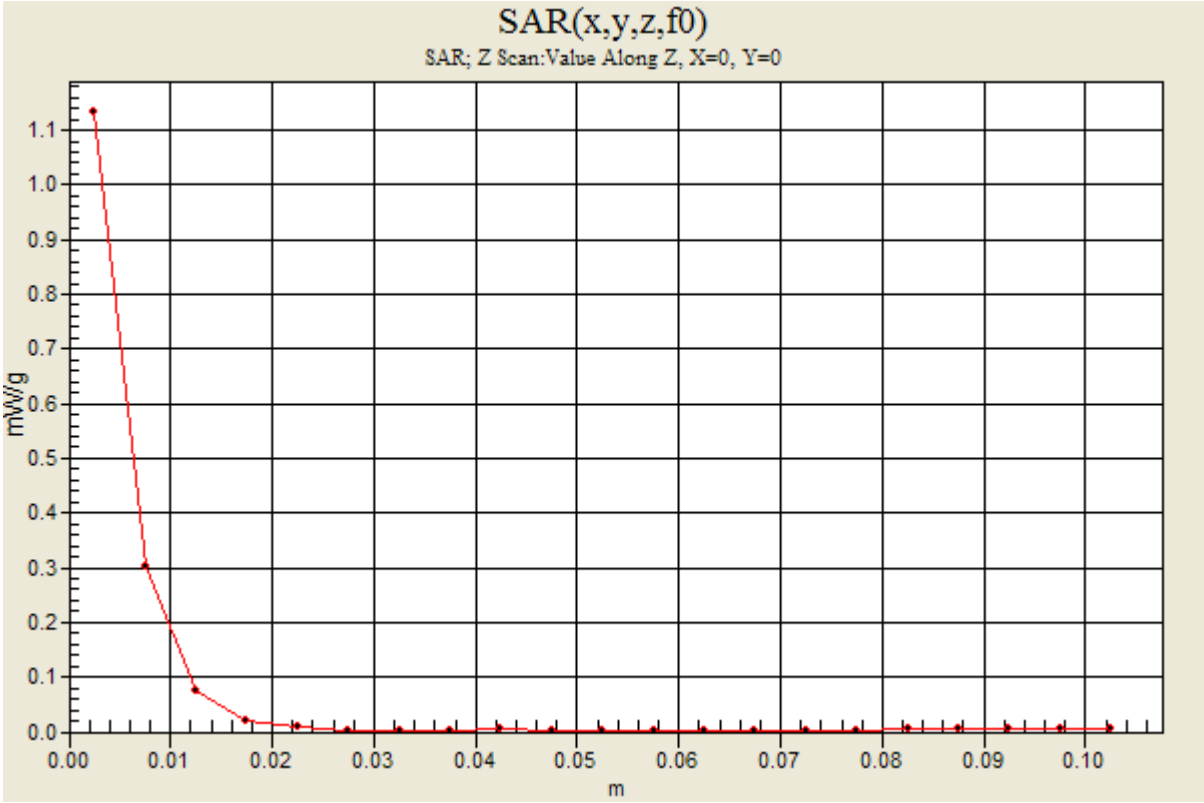


0 dB = 1.54mW/g

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) = 1.13 mW/g



Test Laboratory: UL CCS SAR Lab D Date/Time: 5/9/2012 10:32:55 PM

5GHz bands

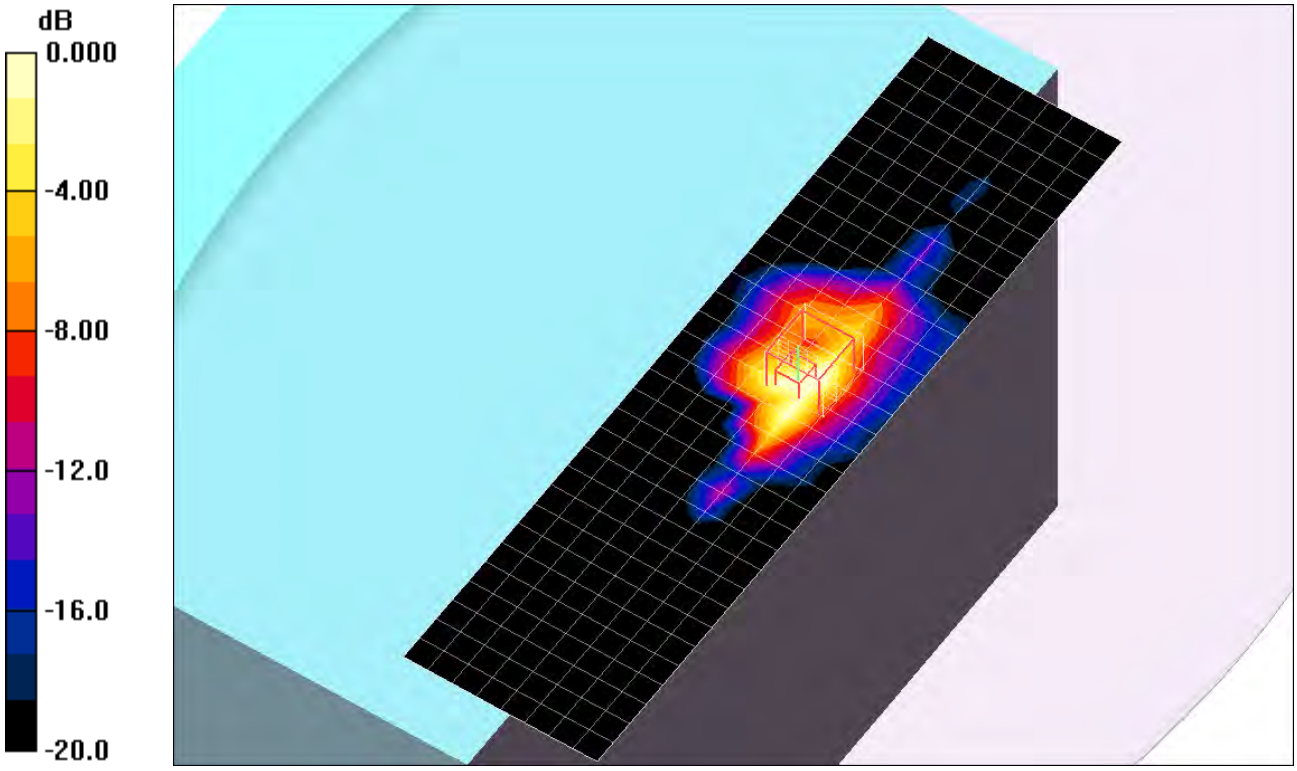
Frequency: 5230 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5230 MHz; σ = 5.14 mho/m; ε_r = 51.2; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.23, 4.23, 4.23); 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 (9x33x1): 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 = 16.4 V/m; Power Drift = 0.084 dB
Peak SAR (extrapolated) = 3.32 W/kg
SAR(1 g) = 0.927 mW/g; SAR(10 g) = 0.284 mW/g
Maximum value of SAR (measured) = 1.63 mW/g



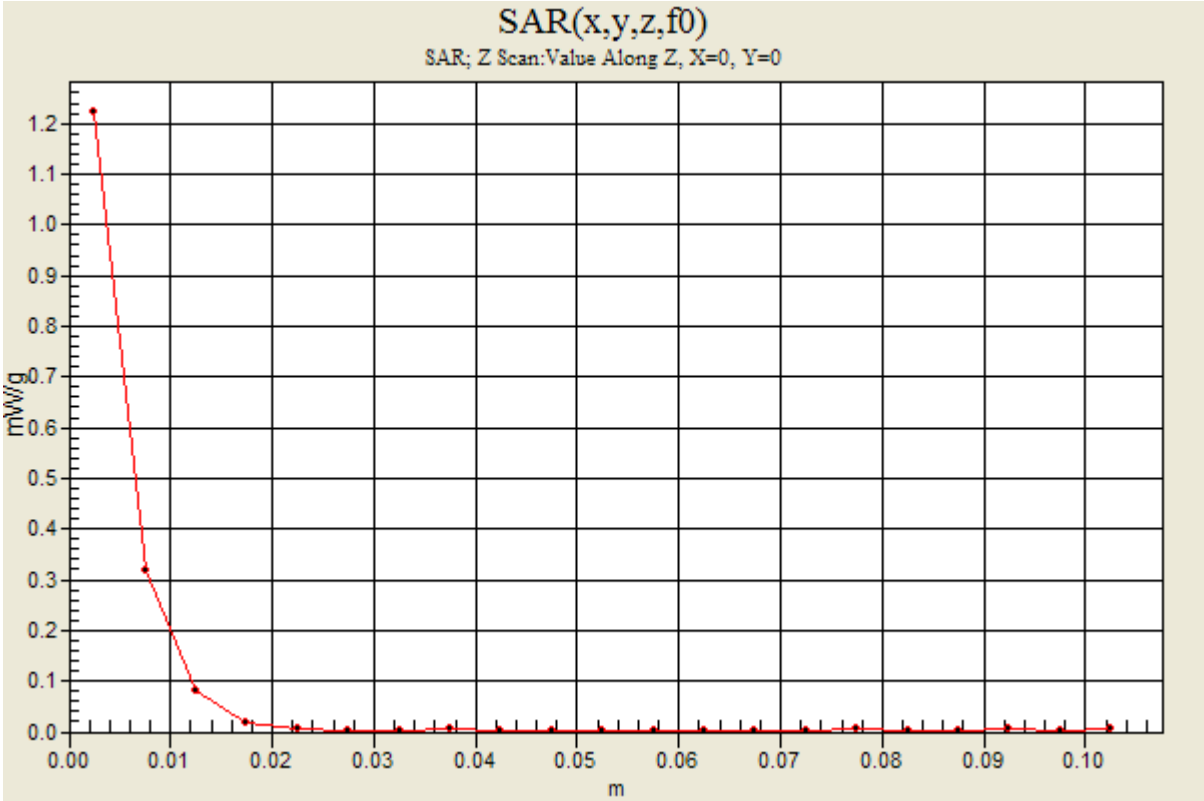
0 dB = 1.63mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 5/9/2012 10:58:57 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) = 1.22 mW/g



5GHz bands

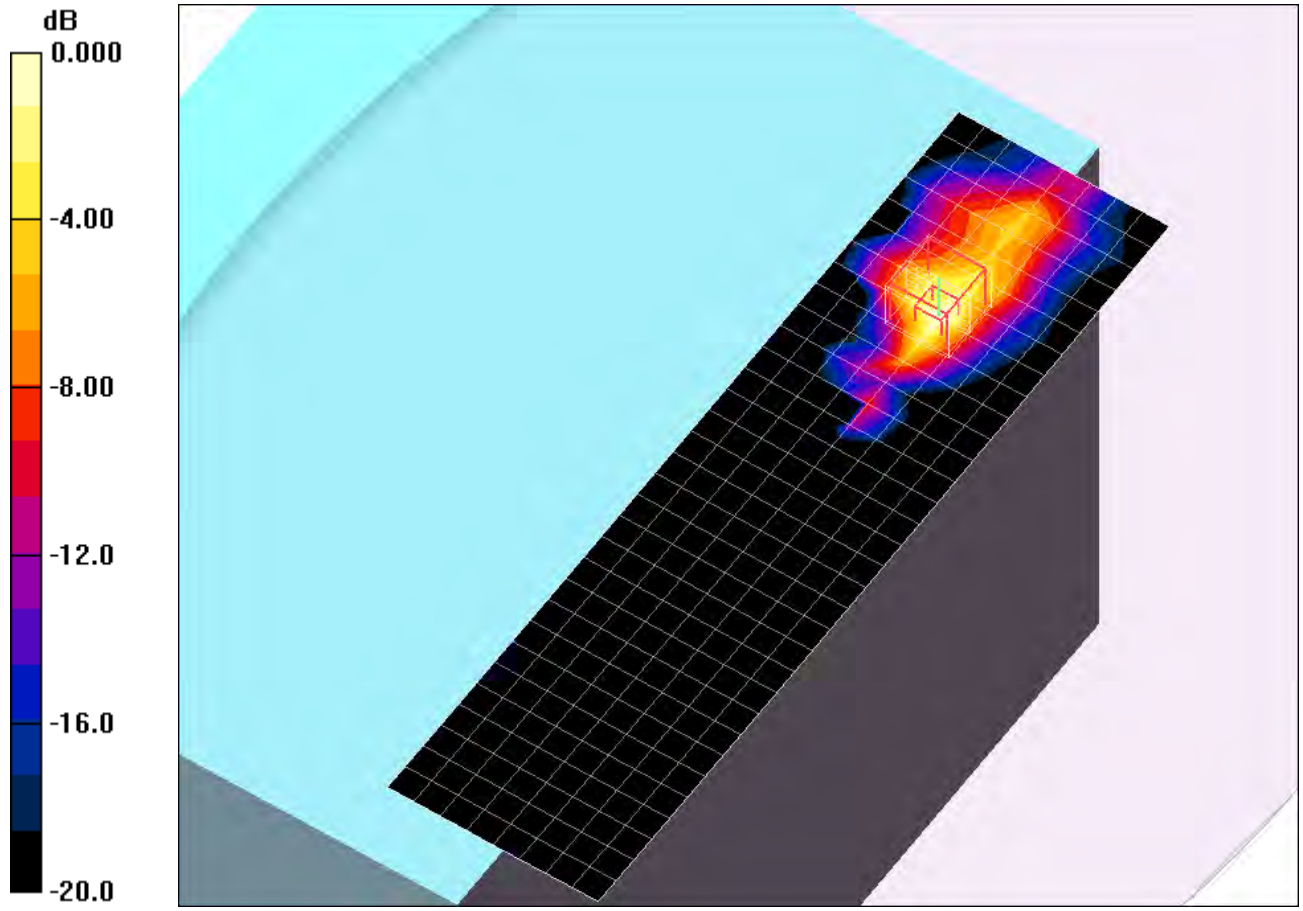
Frequency: 5260 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5260 MHz; σ = 5.13 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.11, 4.11, 4.11); 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 52/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.78 mW/g

802.11a, Chain 0_Ch 52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 22.1 V/m; Power Drift = 0.144 dB
Peak SAR (extrapolated) = 5.07 W/kg
SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.328 mW/g
Maximum value of SAR (measured) = 2.21 mW/g



0 dB = 2.21mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/18/2012 1:34:35 PM

5GHz bands

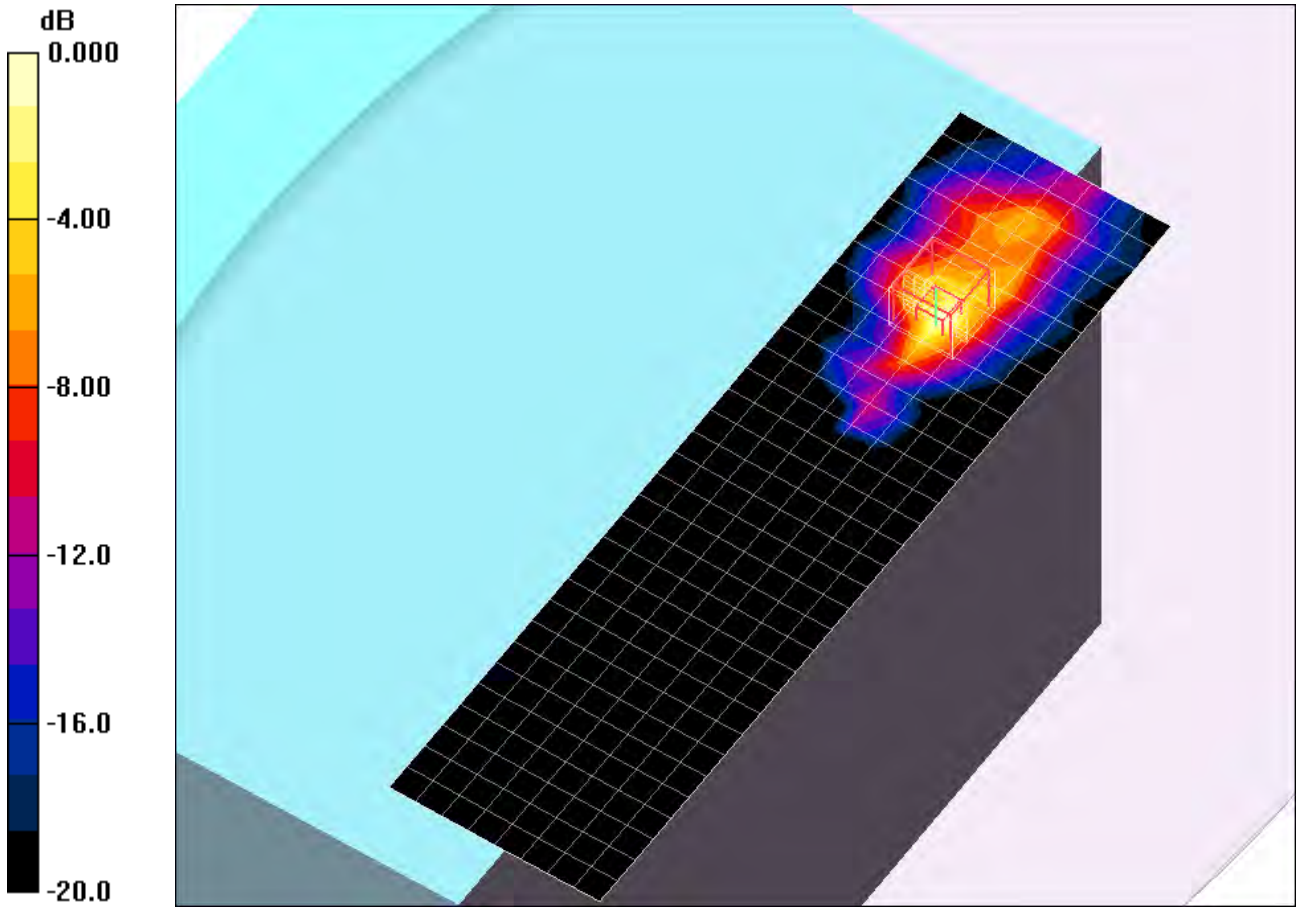
Frequency: 5320 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5320 MHz; σ = 5.21 mho/m; ε_r = 51; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.11, 4.11, 4.11); 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 64/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.20 mW/g

802.11a, Chain 0_Ch 64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 21.9 V/m; Power Drift = 0.124 dB
Peak SAR (extrapolated) = 4.70 W/kg
SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.313 mW/g
Maximum value of SAR (measured) = 2.04 mW/g



0 dB = 2.04mW/g

5GHz bands

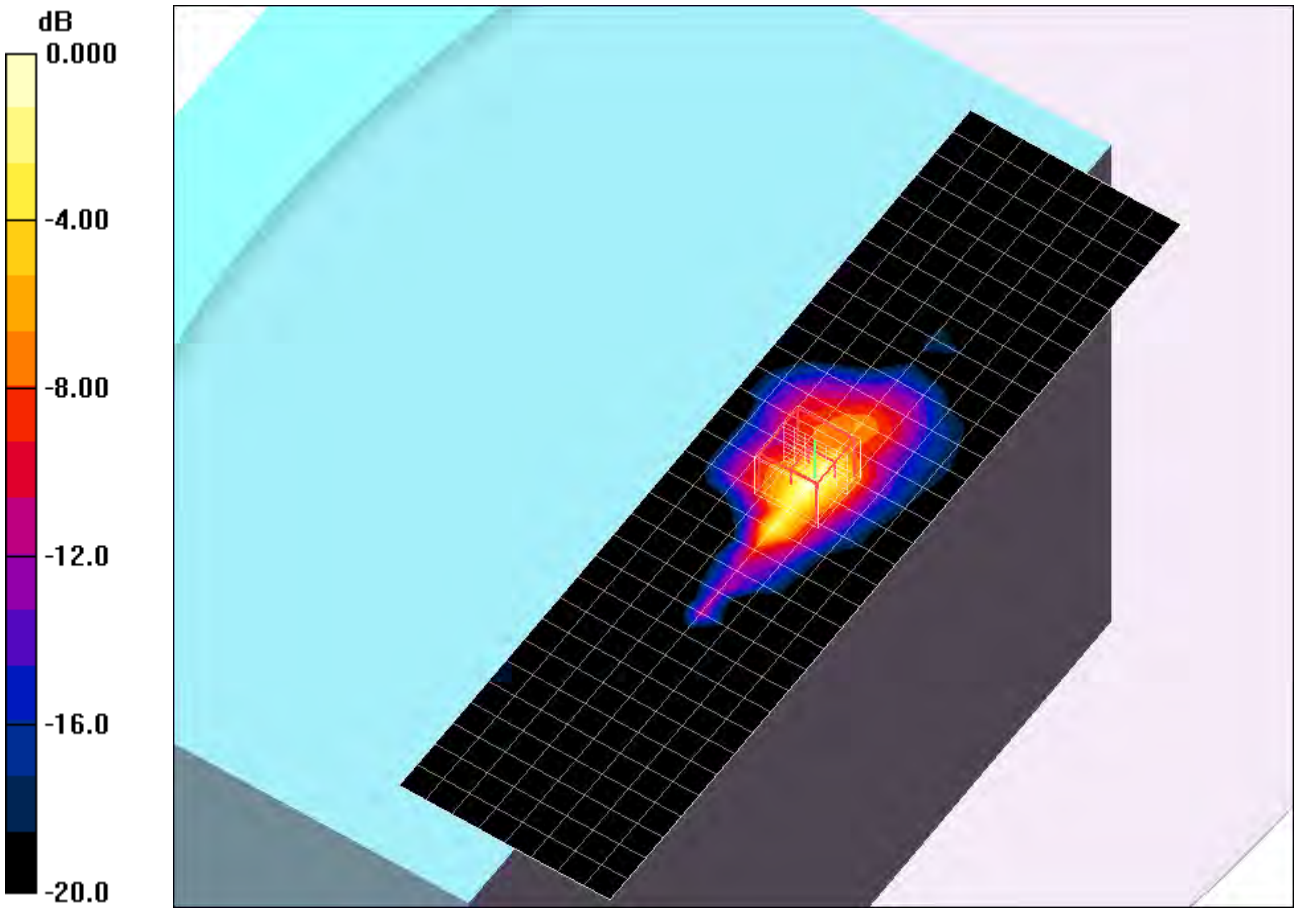
Frequency: 5260 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5260 MHz; σ = 5.13 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.11, 4.11, 4.11); 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 52/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.85 mW/g

802.11a, Chain 1_Ch 52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 21.0 V/m; Power Drift = 0.180 dB
Peak SAR (extrapolated) = 4.42 W/kg
SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.329 mW/g
Maximum value of SAR (measured) = 2.10 mW/g

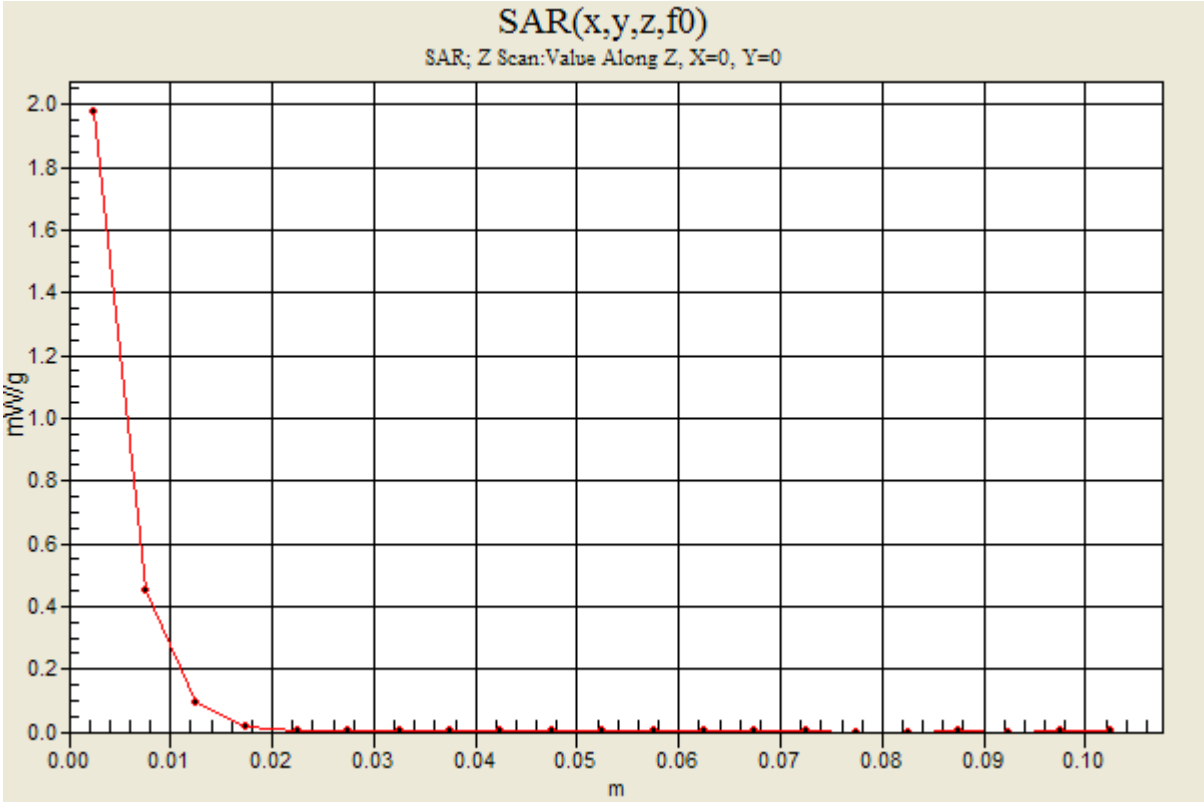


0 dB = 2.10mW/g

5GHz bands

Frequency: 5260 MHz; Duty Cycle: 1:1

802.11a, Chain 1_Ch 52/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 1.98 mW/g



5GHz bands

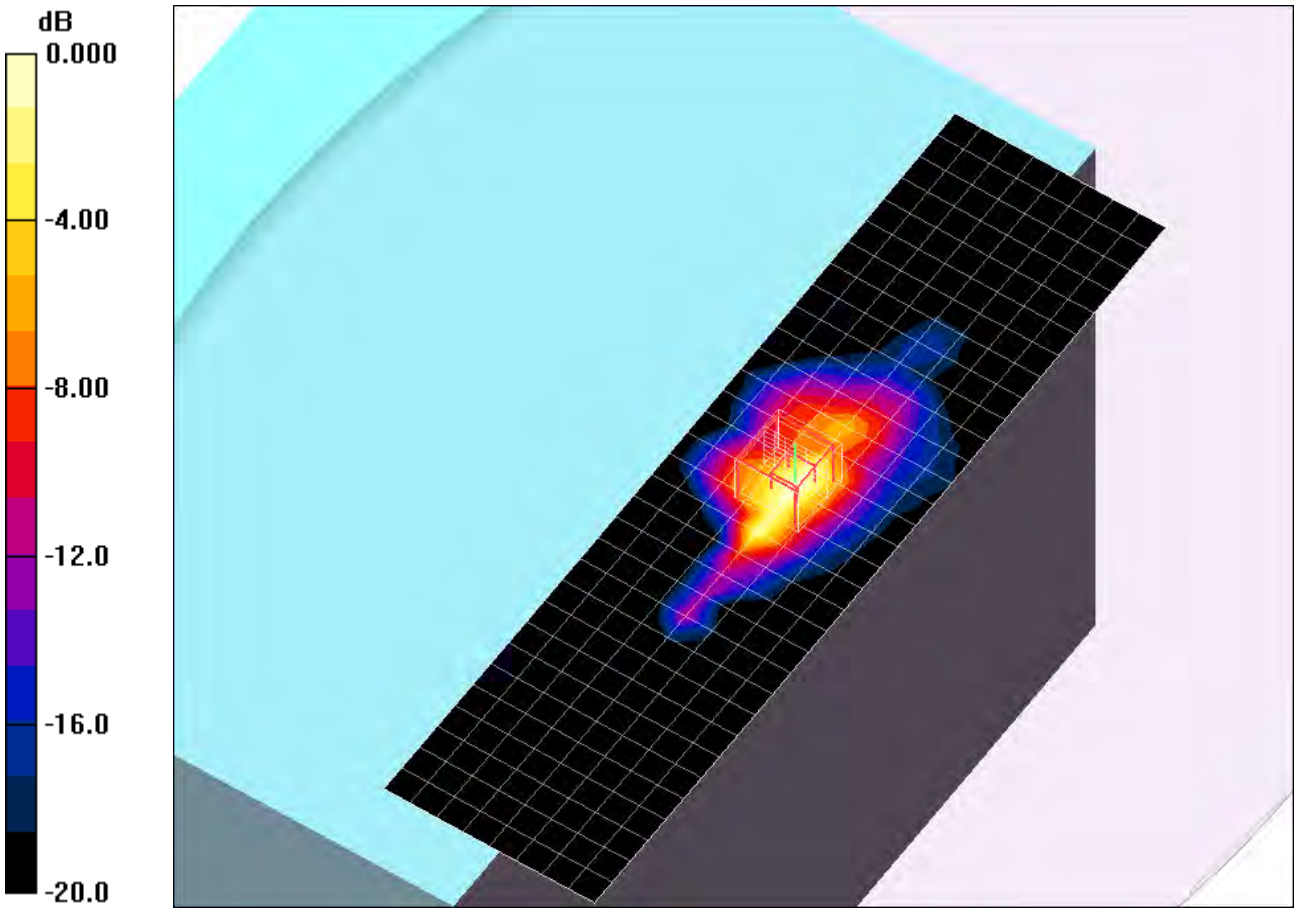
Frequency: 5320 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5320 MHz; σ = 5.21 mho/m; ε_r = 51; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.11, 4.11, 4.11); 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 64/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.88 mW/g

802.11a, Chain 1_Ch 64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 19.4 V/m; Power Drift = 0.049 dB
Peak SAR (extrapolated) = 3.79 W/kg
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.314 mW/g
Maximum value of SAR (measured) = 1.83 mW/g



0 dB = 1.83mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/18/2012 6:56:03 PM

5GHz bands

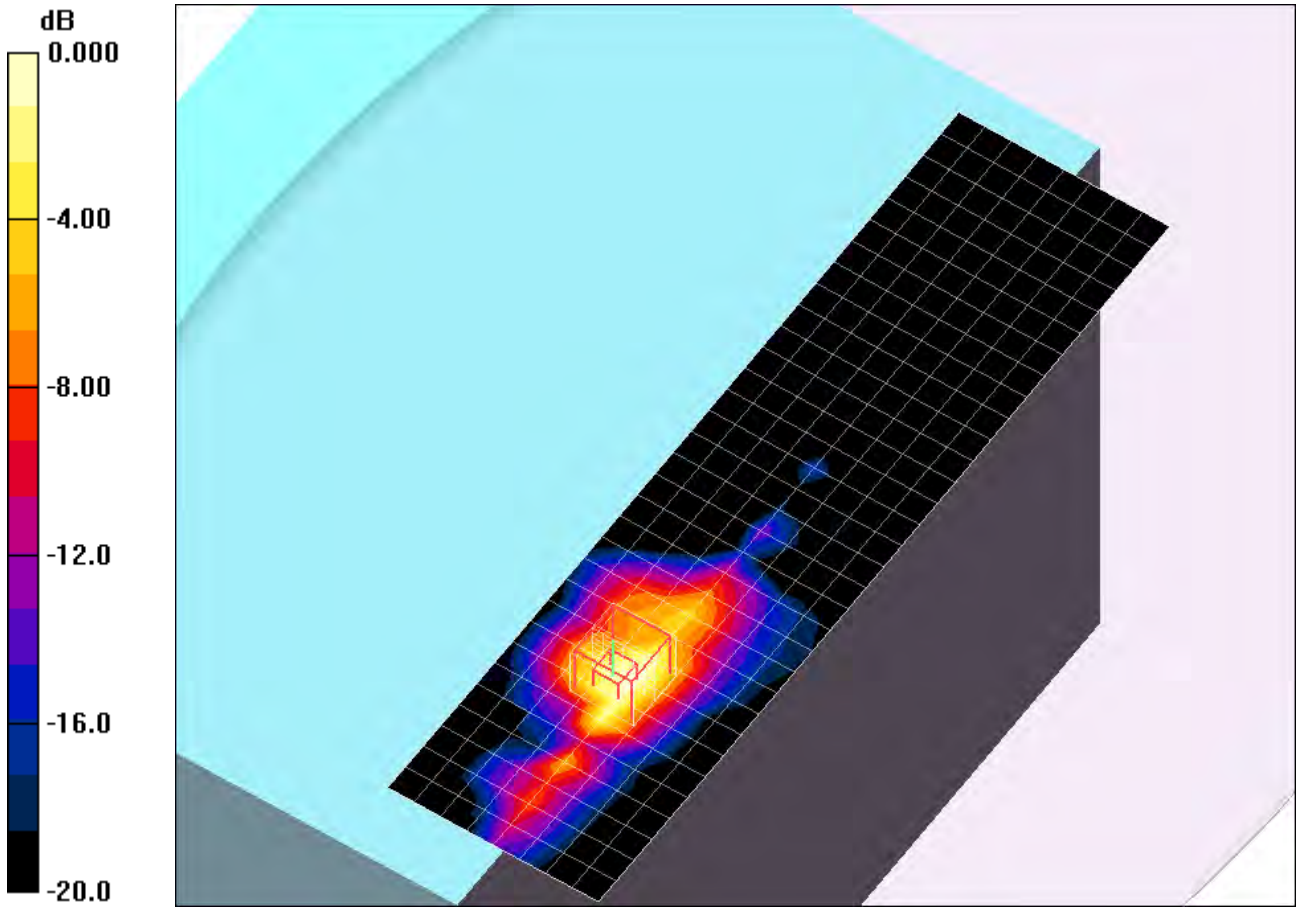
Frequency: 5260 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5260 MHz; σ = 5.13 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.11, 4.11, 4.11); 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 52/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.64 mW/g

802.11a, Chain 2_Ch 52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 18.6 V/m; Power Drift = 0.056 dB
Peak SAR (extrapolated) = 3.56 W/kg
SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.358 mW/g
Maximum value of SAR (measured) = 1.77 mW/g



0 dB = 1.77mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/18/2012 9:26:52 PM

5GHz bands

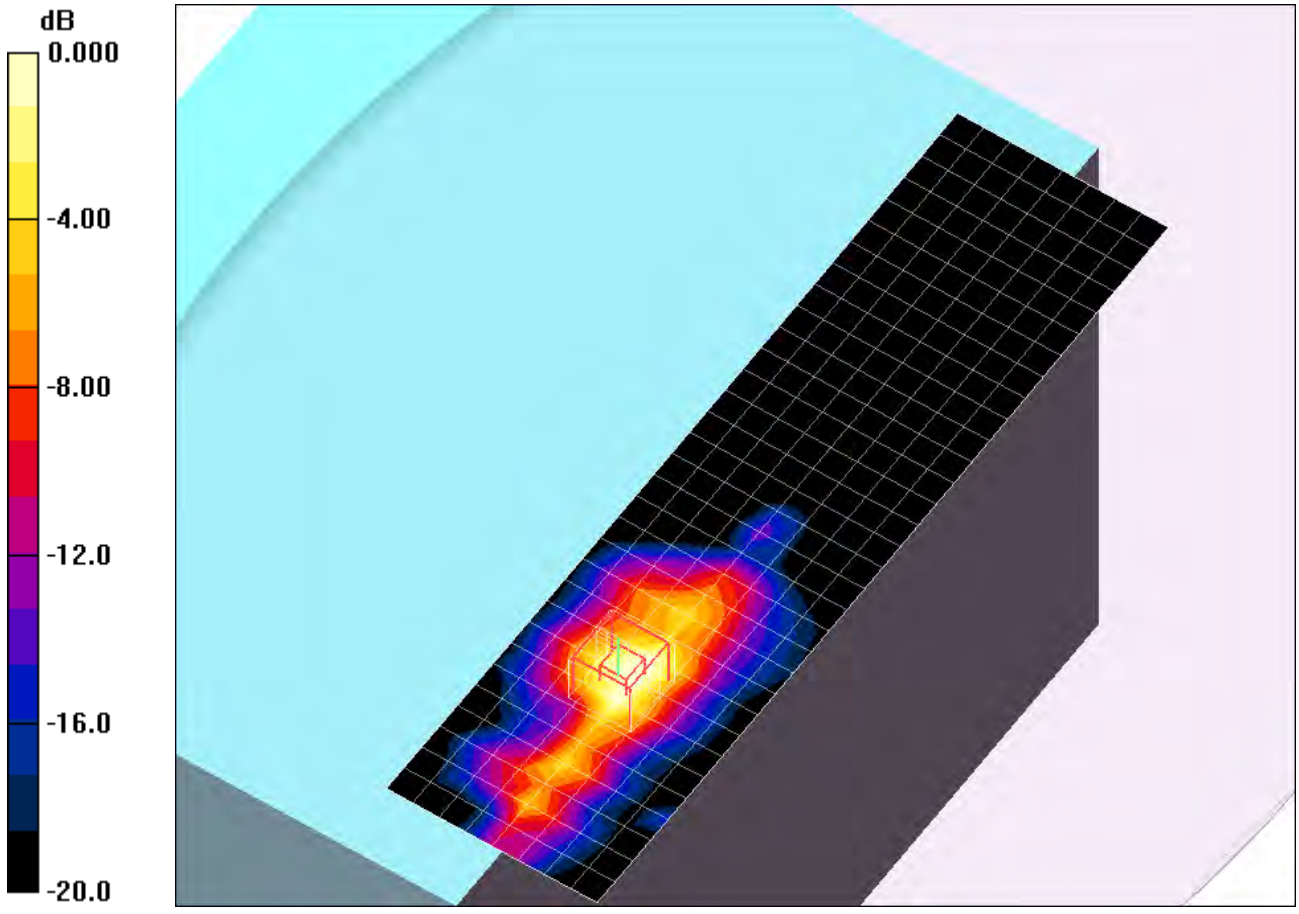
Frequency: 5320 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5320 MHz; σ = 5.21 mho/m; ε_r = 51; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.11, 4.11, 4.11); 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 64/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.99 mW/g

802.11a, Chain 2_Ch 64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 17.8 V/m; Power Drift = 0.047 dB
Peak SAR (extrapolated) = 3.82 W/kg
SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.338 mW/g
Maximum value of SAR (measured) = 1.86 mW/g



0 dB = 1.86mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/18/2012 10:00:29 PM

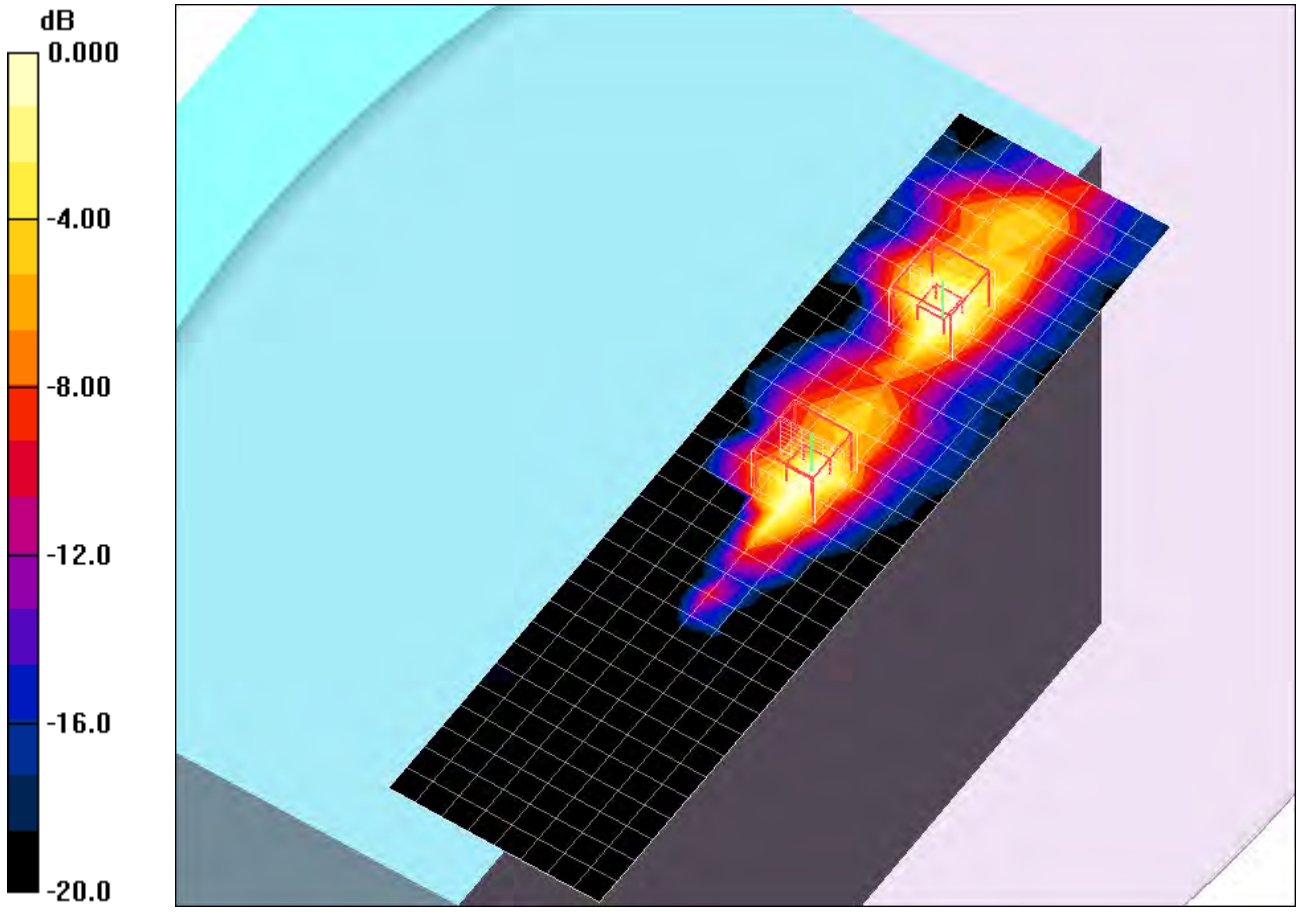
5GHz bands

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 = 5.13 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.11, 4.11, 4.11); 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 0,1_Ch 52/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.67 mW/g

802.11a, Chain 0_Ch 52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 17.0 V/m; Power Drift = 0.041 dB
Peak SAR (extrapolated) = 2.65 W/kg
SAR(1 g) = 0.661 mW/g; SAR(10 g) = 0.191 mW/g
Maximum value of SAR (measured) = 1.27 mW/g

802.11a, Chain 1_Ch 52/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 17.0 V/m; Power Drift = 0.041 dB
Peak SAR (extrapolated) = 1.89 W/kg
SAR(1 g) = 0.500 mW/g; SAR(10 g) = 0.148 mW/g
Maximum value of SAR (measured) = 0.939 mW/g



0 dB = 0.939mW/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 = 5.17 mho/m; ε_r = 51; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.11, 4.11, 4.11); 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 0,1_Ch 60/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

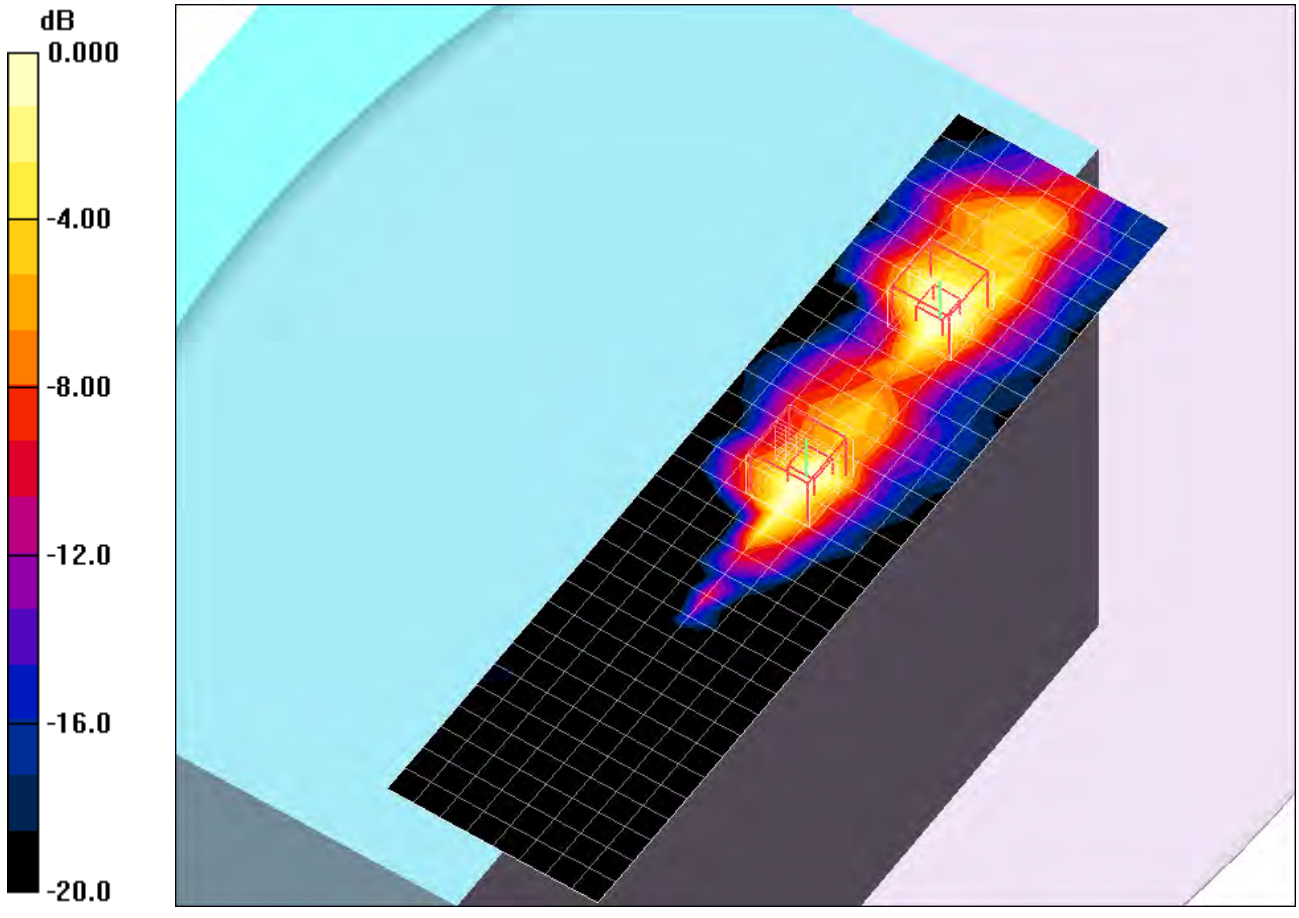
Maximum value of SAR (measured) = 1.73 mW/g

802.11a, Chain 0_Ch 60/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 17.3 V/m; Power Drift = 0.049 dB
Peak SAR (extrapolated) = 2.92 W/kg
SAR(1 g) = 0.685 mW/g; SAR(10 g) = 0.196 mW/g
Maximum value of SAR (measured) = 1.34 mW/g

802.11a, Chain 1_Ch 60/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 17.3 V/m; Power Drift = 0.049 dB
Peak SAR (extrapolated) = 1.89 W/kg
SAR(1 g) = 0.490 mW/g; SAR(10 g) = 0.146 mW/g
Maximum value of SAR (measured) = 0.911 mW/g



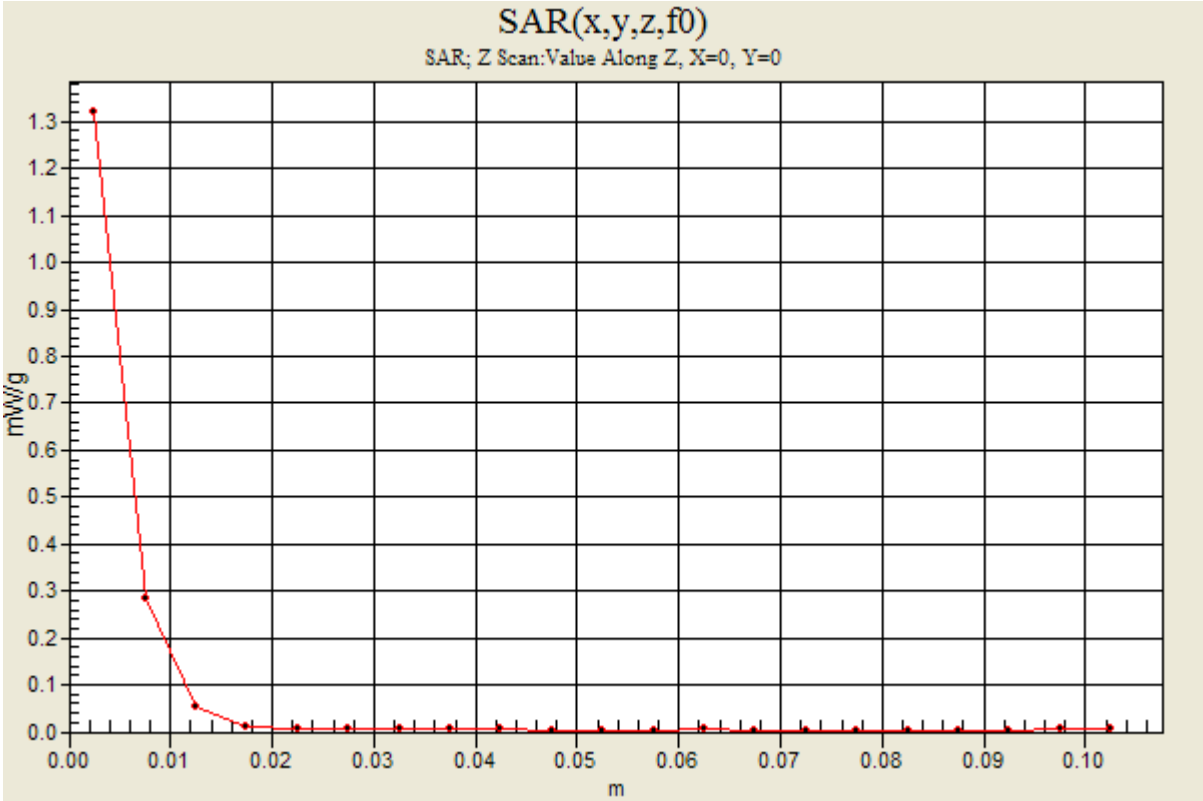
0 dB = 0.911mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/18/2012 11:25:05 PM

5GHz bands

Frequency: 5300 MHz; Duty Cycle: 1:1

802.11a, Chain 0,1_Ch 60/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 1.32 mW/g



Test Laboratory: UL CCS SAR Lab D Date/Time: 4/18/2012 11:30:21 PM

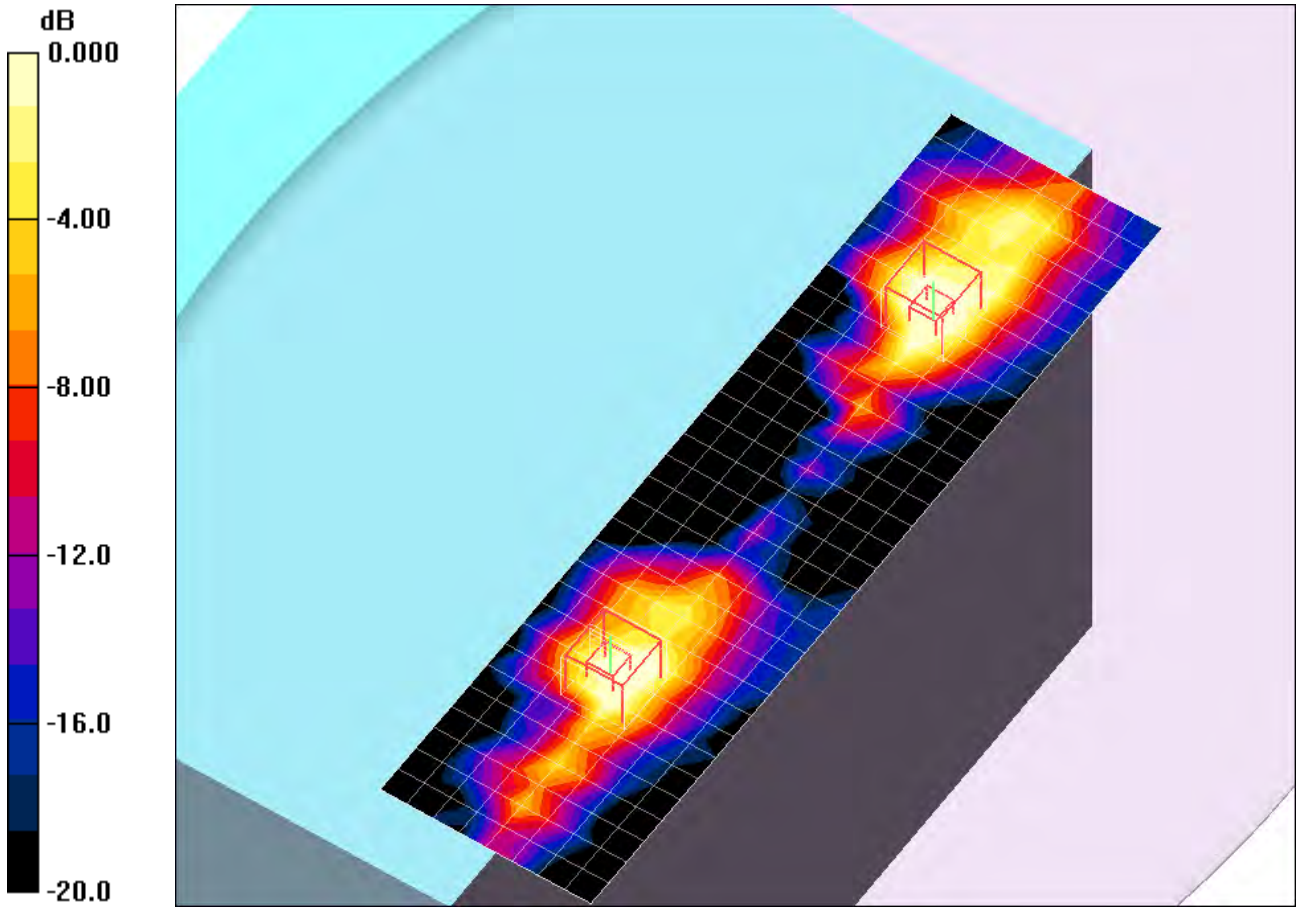
5GHz bands

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 = 5.13 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.11, 4.11, 4.11); 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 0,2_Ch 52/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.67 mW/g

802.11a, Chain 0_Ch 52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 17.2 V/m; Power Drift = -0.055 dB
Peak SAR (extrapolated) = 2.87 W/kg
SAR(1 g) = 0.665 mW/g; SAR(10 g) = 0.190 mW/g
Maximum value of SAR (measured) = 1.29 mW/g

802.11a, Chain 2_Ch 52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 17.2 V/m; Power Drift = -0.055 dB
Peak SAR (extrapolated) = 0.989 W/kg
SAR(1 g) = 0.304 mW/g; SAR(10 g) = 0.094 mW/g
Maximum value of SAR (measured) = 0.552 mW/g



0 dB = 0.552mW/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 = 5.17 mho/m; ε_r = 51; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.11, 4.11, 4.11); 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 0,2_Ch 60/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

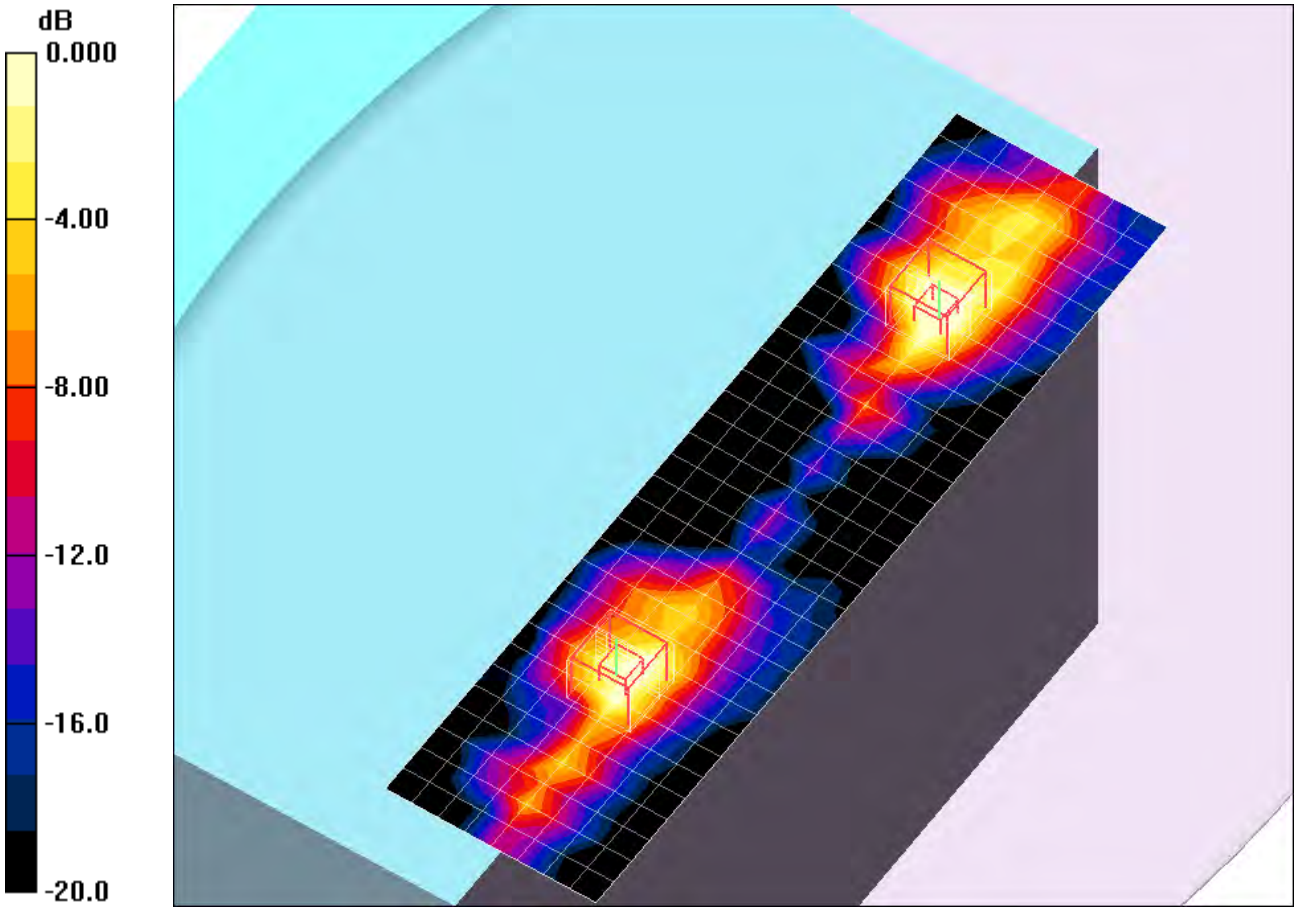
Maximum value of SAR (measured) = 1.71 mW/g

802.11a, 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 = 0.028 dB
Peak SAR (extrapolated) = 2.74 W/kg
SAR(1 g) = 0.671 mW/g; SAR(10 g) = 0.191 mW/g
Maximum value of SAR (measured) = 1.29 mW/g

802.11a, Chain 2_Ch 60/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 17.1 V/m; Power Drift = 0.028 dB
Peak SAR (extrapolated) = 1.52 W/kg
SAR(1 g) = 0.433 mW/g; SAR(10 g) = 0.137 mW/g
Maximum value of SAR (measured) = 0.770 mW/g



0 dB = 0.770mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/19/2012 1:01:36 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 = 5.13 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.11, 4.11, 4.11); 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 1,2_Ch 52/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

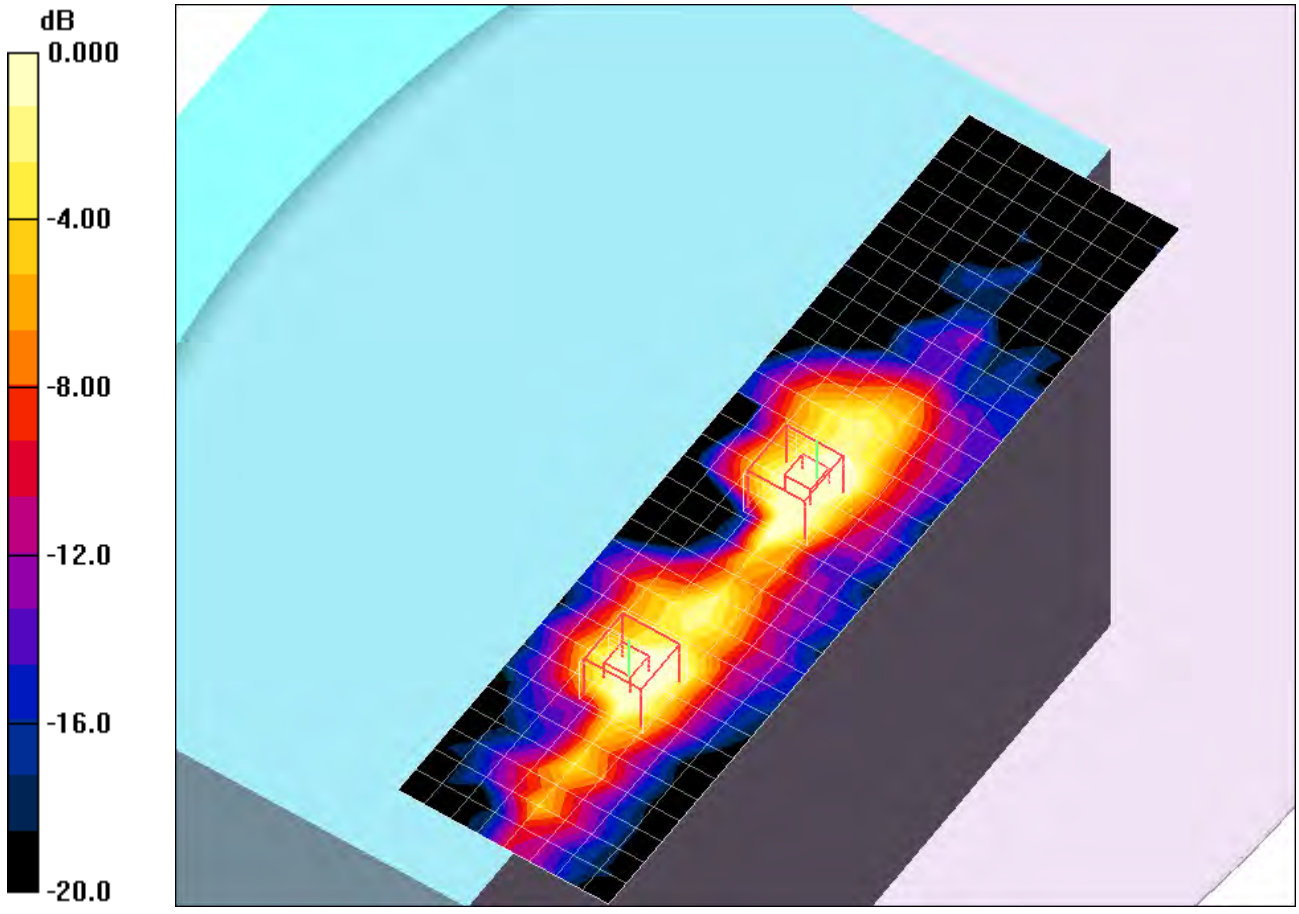
Maximum value of SAR (measured) = 1.25 mW/g

802.11a, Chain 1_Ch 52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 14.4 V/m; Power Drift = 0.071 dB
Peak SAR (extrapolated) = 2.30 W/kg
SAR(1 g) = 0.571 mW/g; SAR(10 g) = 0.166 mW/g
Maximum value of SAR (measured) = 1.15 mW/g

802.11a, Chain 2_Ch 52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 14.4 V/m; Power Drift = 0.071 dB
Peak SAR (extrapolated) = 0.976 W/kg
SAR(1 g) = 0.300 mW/g; SAR(10 g) = 0.088 mW/g
Maximum value of SAR (measured) = 0.518 mW/g



0 dB = 0.518mW/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 = 5.17 mho/m; ε_r = 51; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.11, 4.11, 4.11); 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 1,2_Ch 60/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

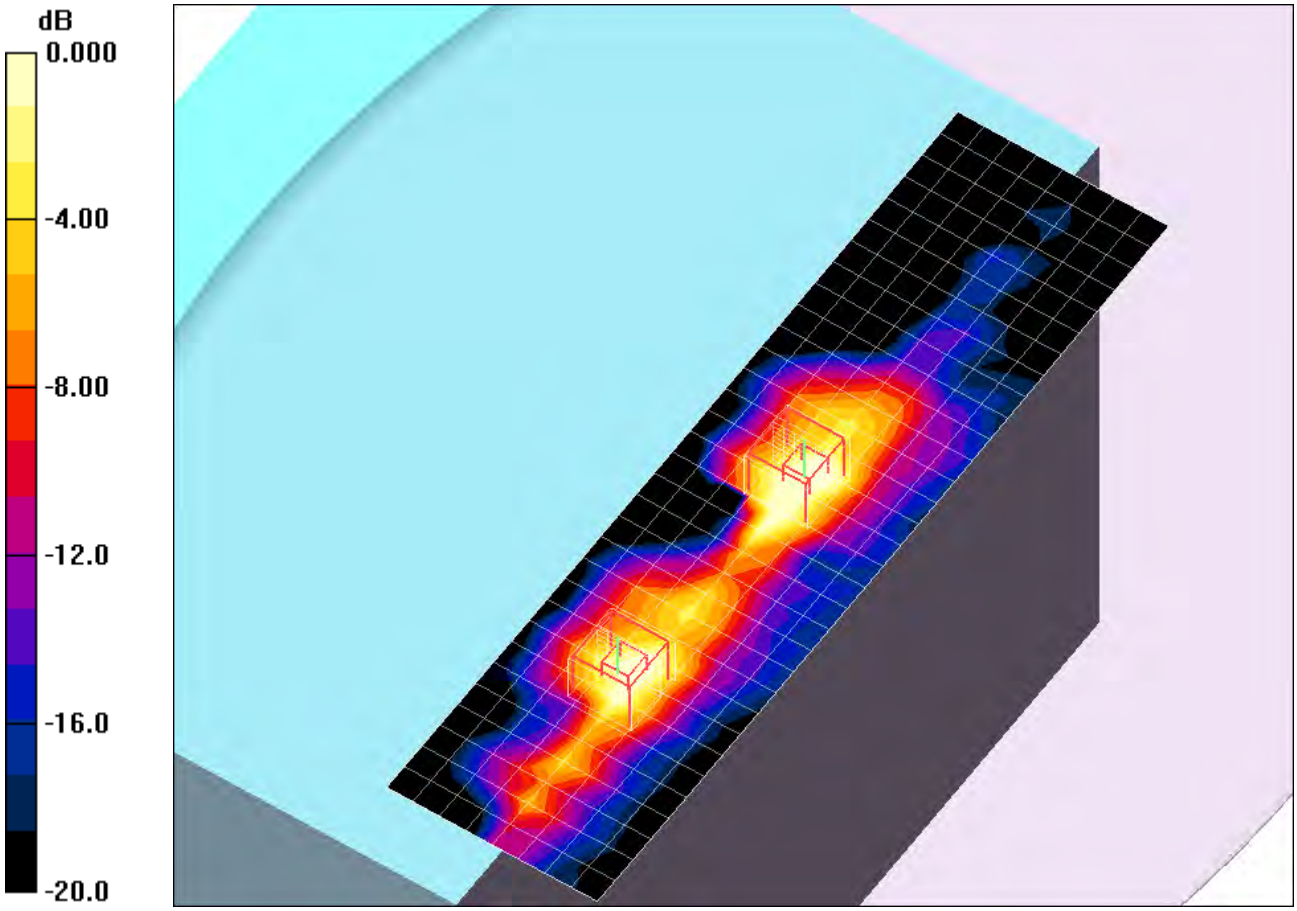
Maximum value of SAR (measured) = 1.30 mW/g

802.11a, Chain 1_Ch 60/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 14.5 V/m; Power Drift = 0.027 dB
Peak SAR (extrapolated) = 2.28 W/kg
SAR(1 g) = 0.609 mW/g; SAR(10 g) = 0.189 mW/g
Maximum value of SAR (measured) = 1.13 mW/g

802.11a, Chain 2_Ch 60/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 14.5 V/m; Power Drift = 0.027 dB
Peak SAR (extrapolated) = 1.55 W/kg
SAR(1 g) = 0.417 mW/g; SAR(10 g) = 0.133 mW/g
Maximum value of SAR (measured) = 0.754 mW/g



0 dB = 0.754mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/19/2012 2:40:25 AM

5GHz bands

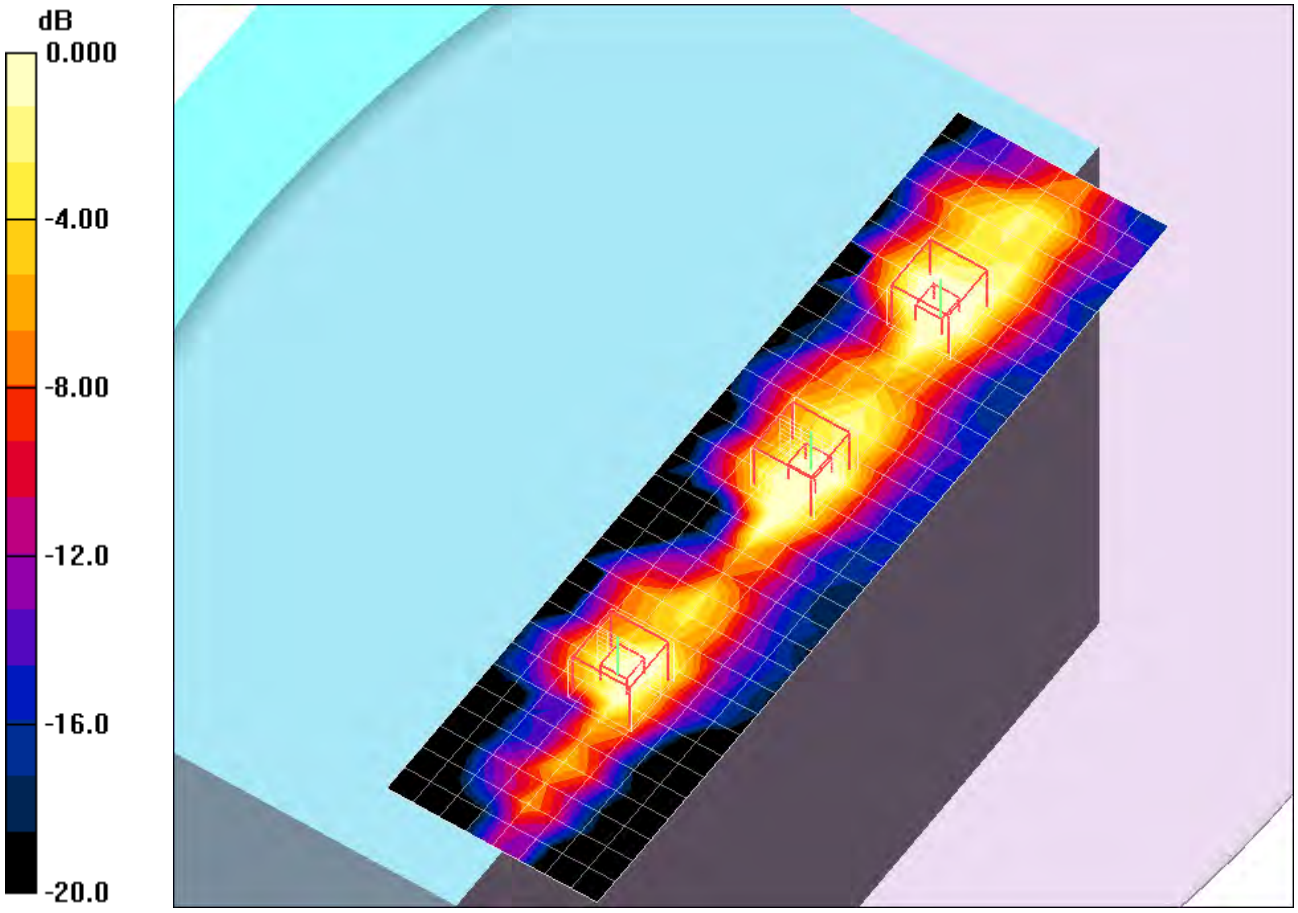
Frequency: 5260 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5260 MHz; σ = 5.13 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.11, 4.11, 4.11); 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 0,1,2_Ch 52/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.63 mW/g

802.11a, Chain 0_Ch 52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.7 V/m; Power Drift = 0.154 dB
Peak SAR (extrapolated) = 2.75 W/kg
SAR(1 g) = 0.647 mW/g; SAR(10 g) = 0.184 mW/g
Maximum value of SAR (measured) = 1.25 mW/g

802.11a, Chain 1_Ch 52/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.7 V/m; Power Drift = 0.154 dB
Peak SAR (extrapolated) = 2.18 W/kg
SAR(1 g) = 0.556 mW/g; SAR(10 g) = 0.160 mW/g
Maximum value of SAR (measured) = 1.04 mW/g

802.11a, Chain 2_Ch 52/Zoom Scan (7x7x9)/Cube 2: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 16.7 V/m; Power Drift = 0.154 dB
Peak SAR (extrapolated) = 1.12 W/kg
SAR(1 g) = 0.312 mW/g; SAR(10 g) = 0.099 mW/g
Maximum value of SAR (measured) = 0.560 mW/g



0 dB = 0.560mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/19/2012 3:40:48 AM

5GHz bands

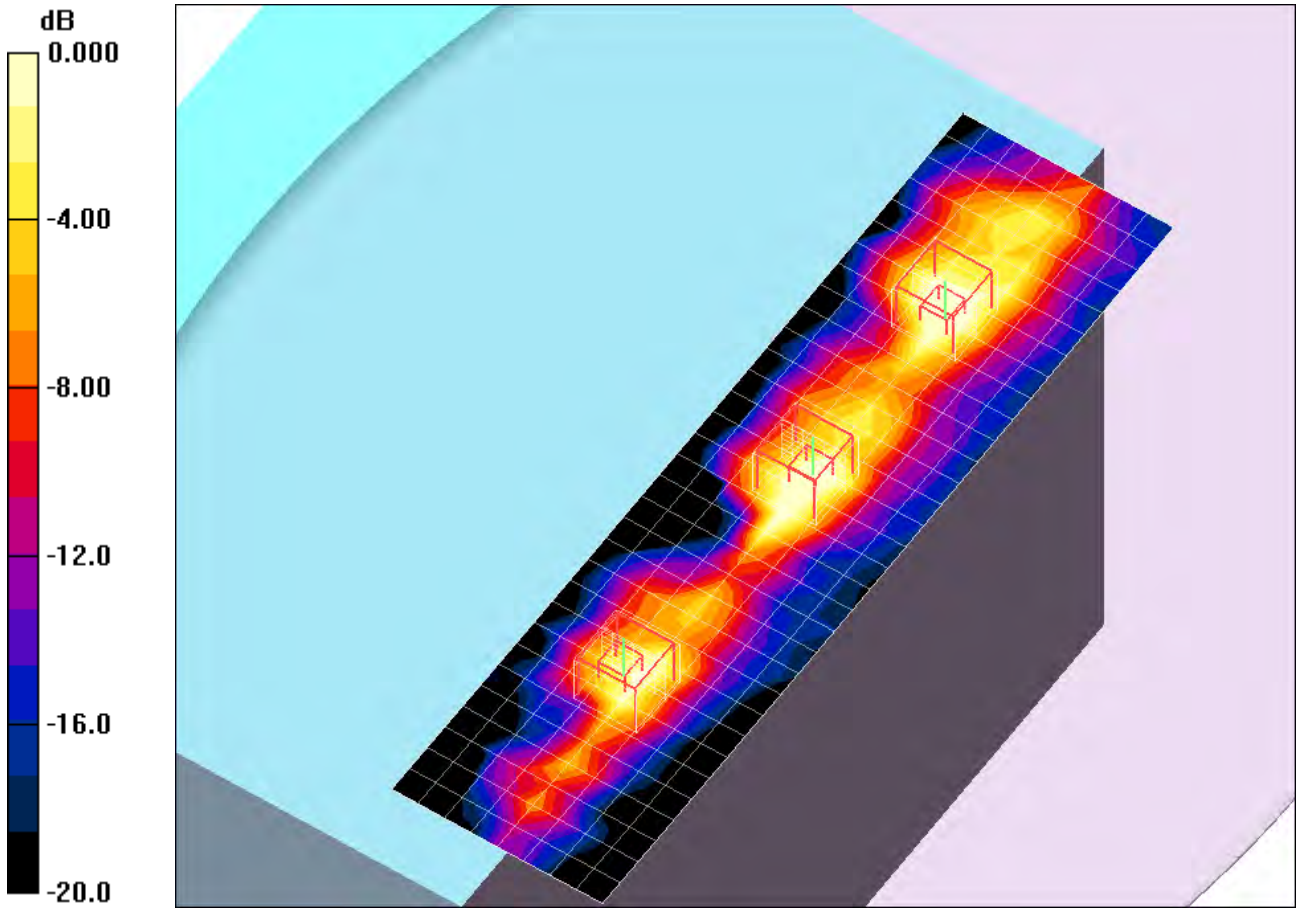
Frequency: 5300 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5300 MHz; σ = 5.17 mho/m; ε_r = 51; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.11, 4.11, 4.11); 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 0,1,2_Ch 60/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.64 mW/g

802.11a, Chain 0_Ch 60/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 17.0 V/m; Power Drift = -0.082 dB
Peak SAR (extrapolated) = 2.74 W/kg
SAR(1 g) = 0.655 mW/g; SAR(10 g) = 0.188 mW/g
Maximum value of SAR (measured) = 1.28 mW/g

802.11a, Chain 1_Ch 60/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 17.0 V/m; Power Drift = -0.082 dB
Peak SAR (extrapolated) = 1.95 W/kg
SAR(1 g) = 0.527 mW/g; SAR(10 g) = 0.158 mW/g
Maximum value of SAR (measured) = 1.02 mW/g

802.11a, Chain 2_Ch 60/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 17.0 V/m; Power Drift = -0.082 dB
Peak SAR (extrapolated) = 1.43 W/kg
SAR(1 g) = 0.407 mW/g; SAR(10 g) = 0.123 mW/g
Maximum value of SAR (measured) = 0.688 mW/g



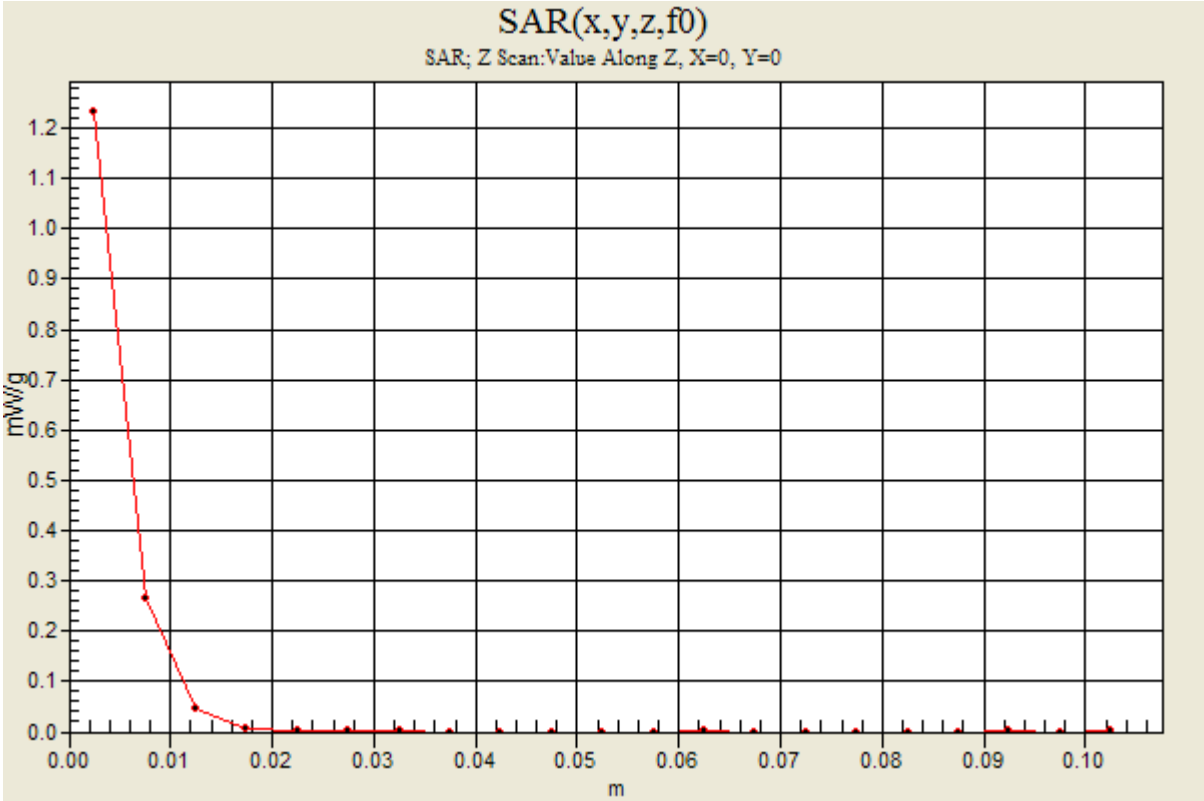
0 dB = 0.688mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/19/2012 3:45:05 AM

5GHz bands

Frequency: 5300 MHz; Duty Cycle: 1:1

802.11a, Chain 0,1,2_Ch 60/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 1.23 mW/g



Test Laboratory: UL CCS SAR Lab D Date/Time: 5/16/2012 10:30:27 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 = 5.25 mho/m; ε_r = 47.7; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.11, 4.11, 4.11); 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 HT20,Chain 0,1_Ch 52/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

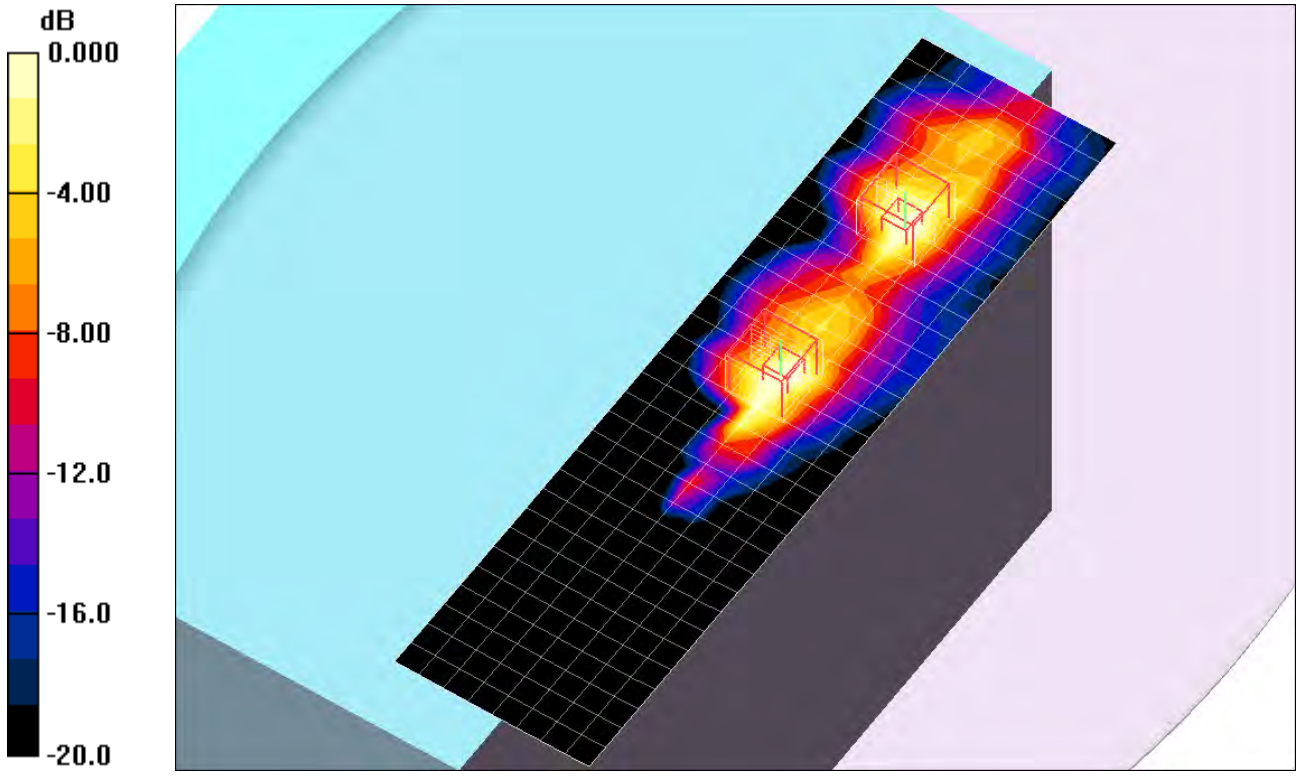
Maximum value of SAR (measured) = 3.41 mW/g

802.11n HT20,Chain 0_Ch 52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 22.0 V/m; Power Drift = 0.075 dB
Peak SAR (extrapolated) = 4.99 W/kg
SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.332 mW/g
Maximum value of SAR (measured) = 2.18 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 = 22.0 V/m; Power Drift = 0.075 dB
Peak SAR (extrapolated) = 3.83 W/kg
SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.305 mW/g
Maximum value of SAR (measured) = 1.89 mW/g



0 dB = 1.89mW/g

5GHz bands

Frequency: 5280 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5280 MHz; σ = 5.27 mho/m; ε_r = 47.6; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.11, 4.11, 4.11); 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 HT20,Chain 0,1_Ch 56/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

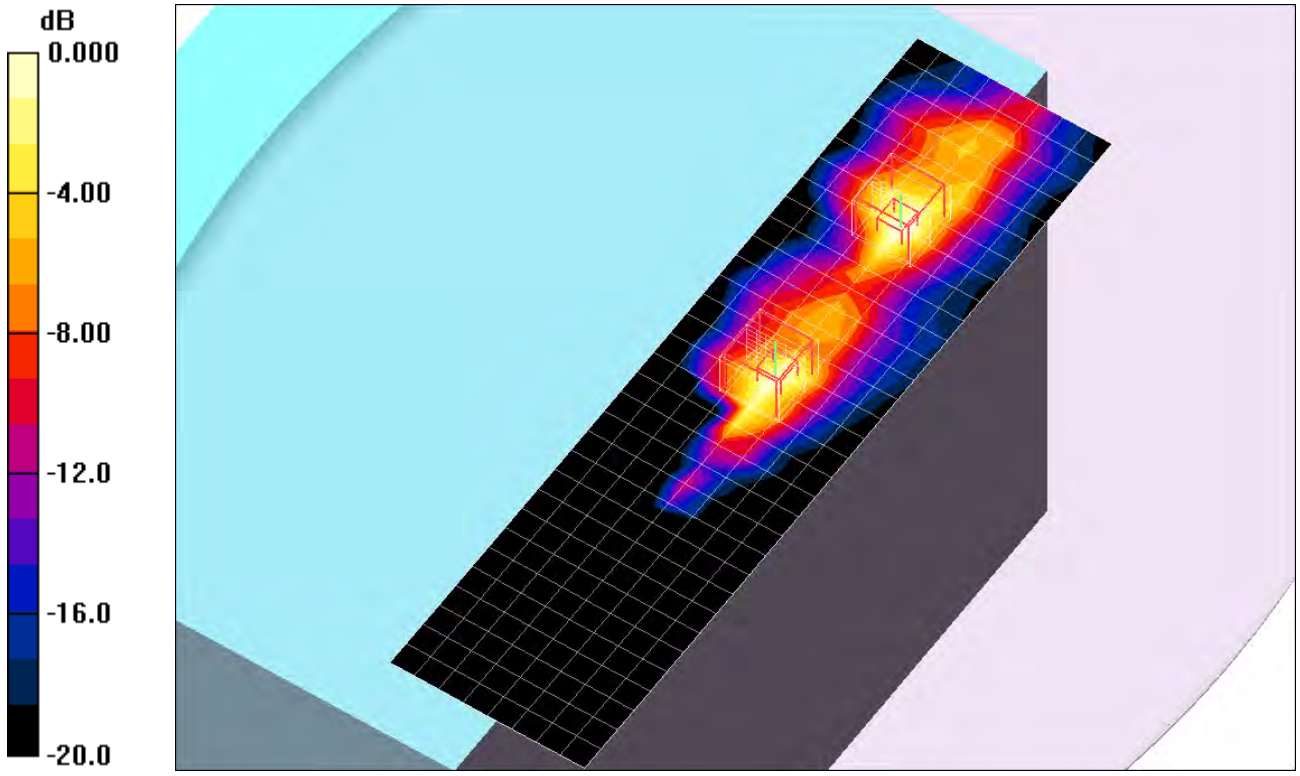
Maximum value of SAR (measured) = 2.26 mW/g

802.11n HT20,Chain 0_Ch 56/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 22.1 V/m; Power Drift = 0.106 dB
Peak SAR (extrapolated) = 4.91 W/kg
SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.332 mW/g
Maximum value of SAR (measured) = 2.20 mW/g

802.11n HT20,Chain 1_Ch 56/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 22.1 V/m; Power Drift = 0.106 dB
Peak SAR (extrapolated) = 3.31 W/kg
SAR(1 g) = 0.868 mW/g; SAR(10 g) = 0.266 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: 5/17/2012 2:37:05 AM

5GHz bands

Frequency: 5280 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5280 MHz; σ = 5.27 mho/m; ε_r = 47.6; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.11, 4.11, 4.11); 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 HT20,Chain 0,1_Ch 64/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

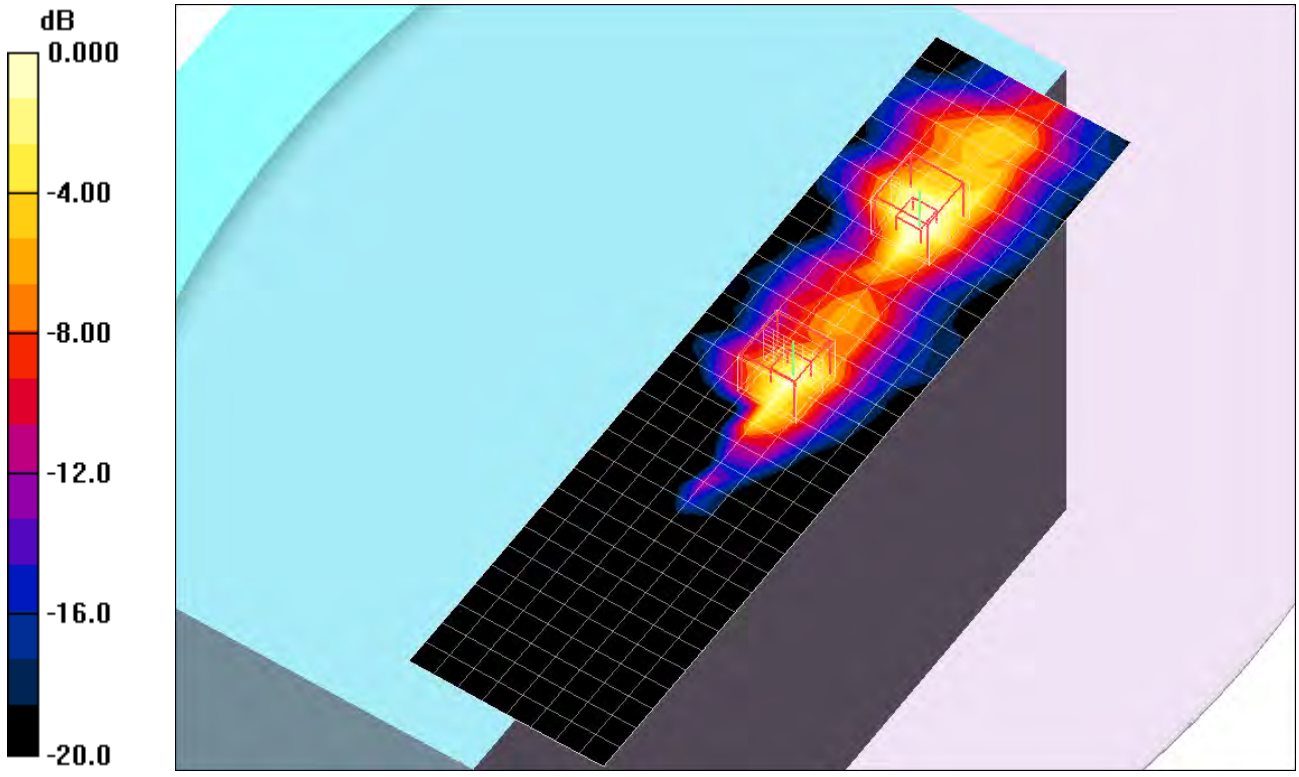
Maximum value of SAR (measured) = 2.35 mW/g

802.11n HT20,Chain 0_Ch 64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 22.5 V/m; Power Drift = 0.0194 dB
Peak SAR (extrapolated) = 4.93 W/kg
SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.328 mW/g
Maximum value of SAR (measured) = 2.15 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 = 22.5 V/m; Power Drift = 0.0194 dB
Peak SAR (extrapolated) = 2.86 W/kg
SAR(1 g) = 0.741 mW/g; SAR(10 g) = 0.233 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: 5/17/2012 9:50:17 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 = 5.25 mho/m; ε_r = 47.7; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.11, 4.11, 4.11); Calibrated: 1/27/2012
- 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 (9x33x1): Measurement grid: dx=10mm, dy=10mm

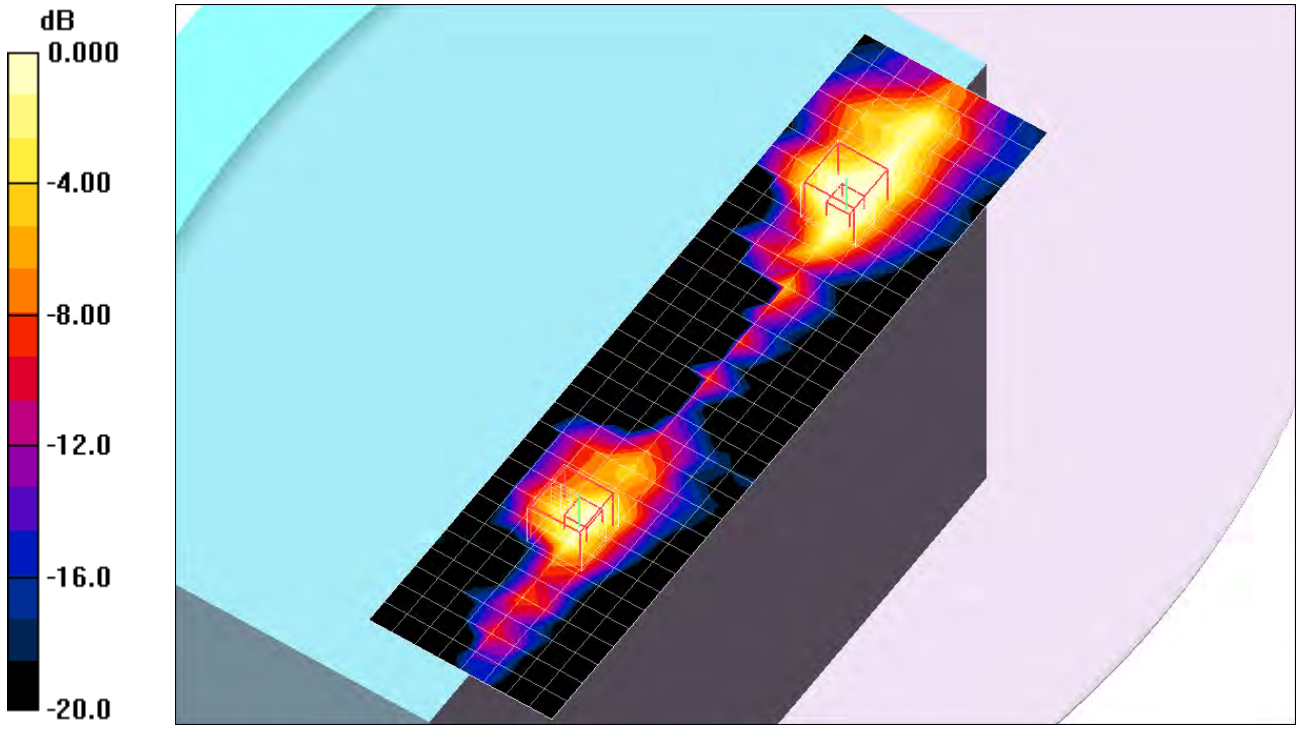
Maximum value of SAR (measured) = 2.17 mW/g

802.11n HT20,Chain 0_Ch 52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 22.8 V/m; Power Drift = -0.024 dB
Peak SAR (extrapolated) = 5.06 W/kg
SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.329 mW/g
Maximum value of SAR (measured) = 2.21 mW/g

802.11n HT20,Chain 2_Ch 52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 22.8 V/m; Power Drift = -0.024 dB
Peak SAR (extrapolated) = 1.72 W/kg
SAR(1 g) = 0.479 mW/g; SAR(10 g) = 0.155 mW/g
Maximum value of SAR (measured) = 0.856 mW/g



0 dB = 0.856mW/g

5GHz bands

Frequency: 5280 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5280 MHz; σ = 5.27 mho/m; ε_r = 47.6; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.11, 4.11, 4.11); 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 HT20,Chain 0,2_Ch 56/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

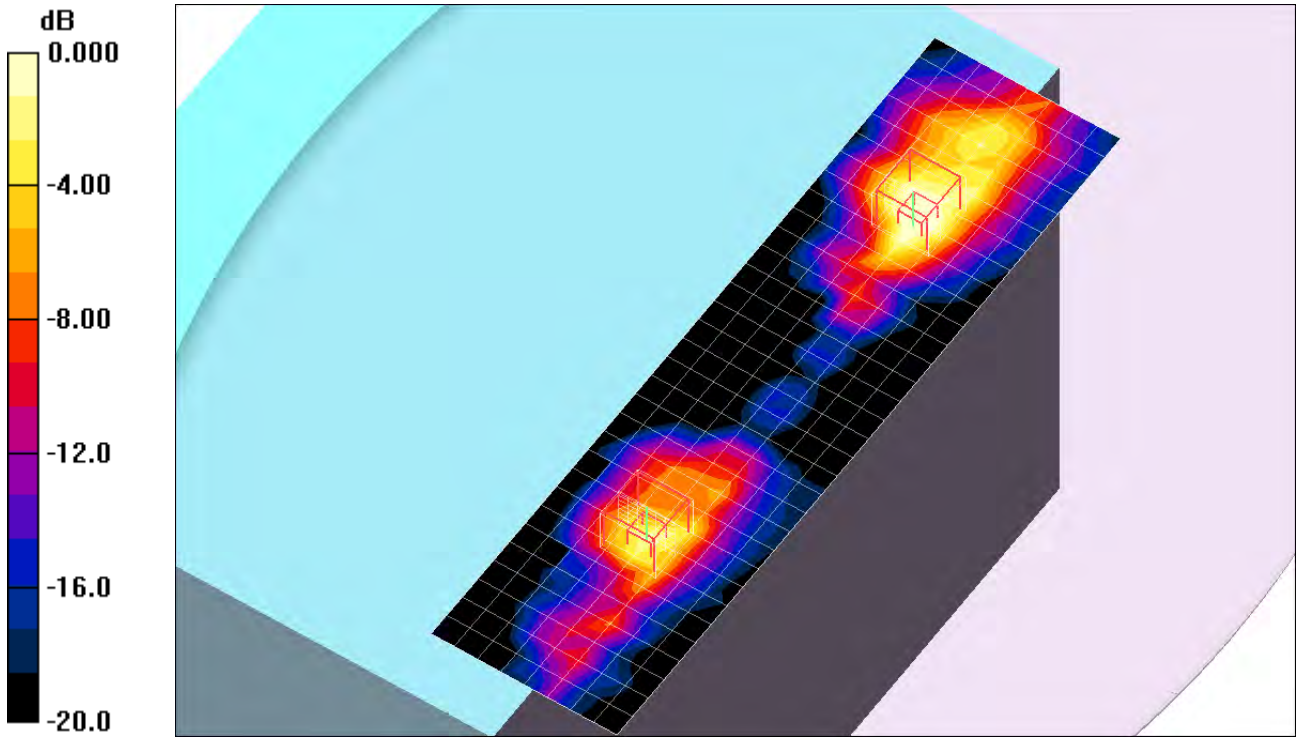
Maximum value of SAR (measured) = 1.83 mW/g

802.11n HT20,Chain 0_Ch 56/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 22.0 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 5.23 W/kg
SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.340 mW/g
Maximum value of SAR (measured) = 2.25 mW/g

802.11n HT20,Chain 2_Ch 56/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 22.0 V/m; Power Drift = 0. 02 dB
Peak SAR (extrapolated) = 1.73 W/kg
SAR(1 g) = 0.485 mW/g; SAR(10 g) = 0.165 mW/g
Maximum value of SAR (measured) = 0.884 mW/g



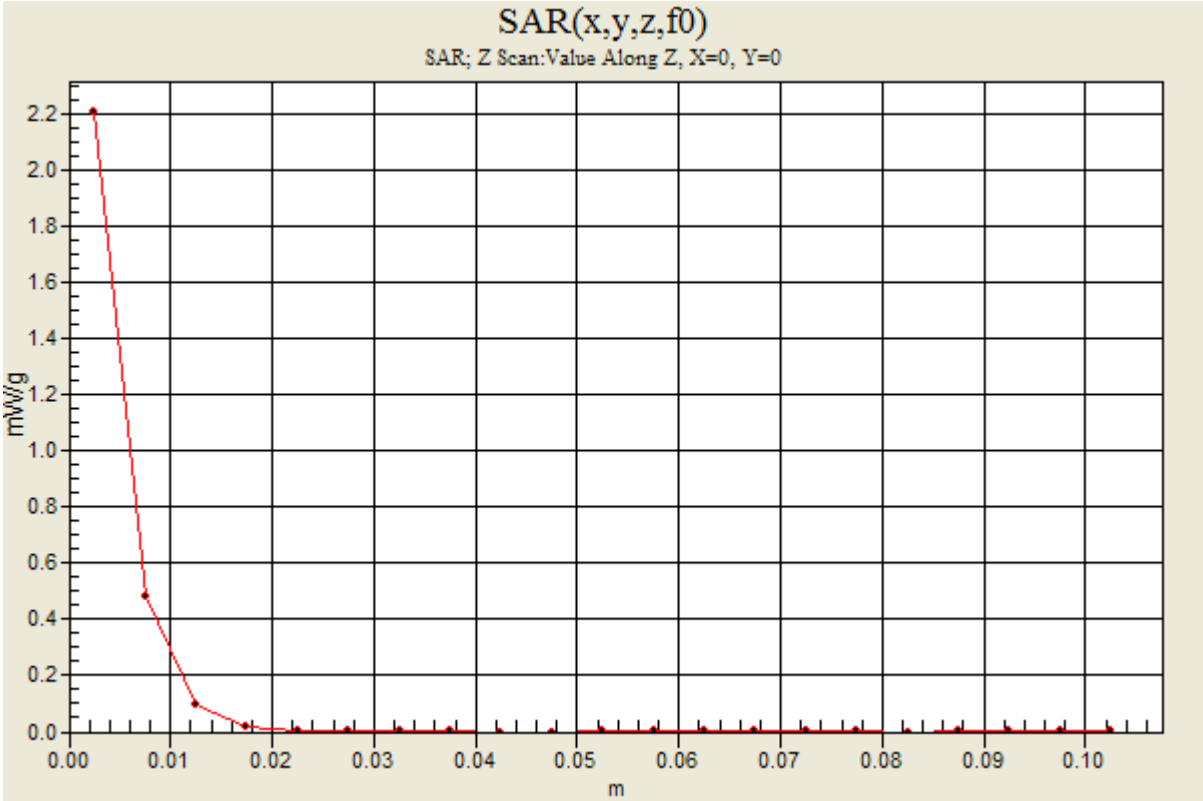
0 dB = 0.884mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 5/17/2012 6:57:48 PM

5GHz bands

Frequency: 5280 MHz; Duty Cycle: 1:1

802.11n HT20,Chain 0,2_Ch 56/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 2.21 mW/g



Test Laboratory: UL CCS SAR Lab D Date/Time: 5/17/2012 1:57:24 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 = 5.32 mho/m; ε_r = 47.5; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.11, 4.11, 4.11); 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 HT20,Chain 0,2_Ch 64/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

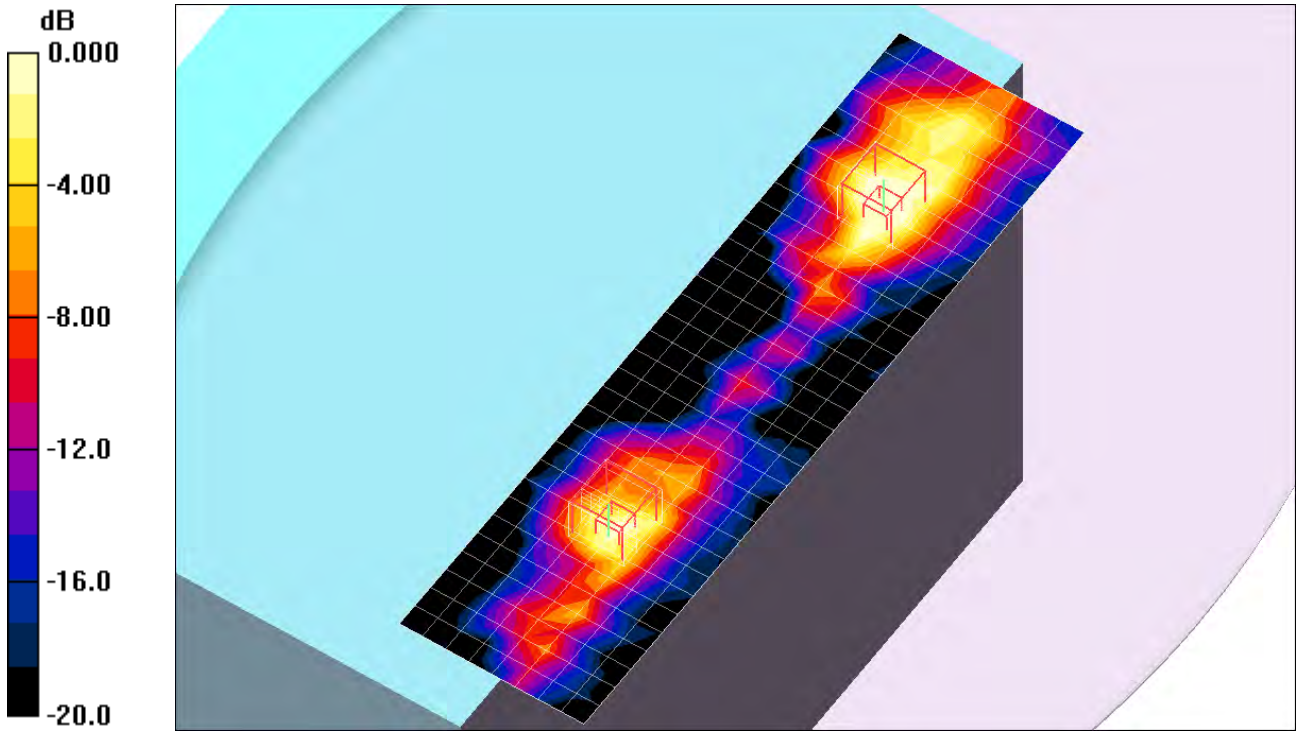
Maximum value of SAR (measured) = 2.26 mW/g

802.11n HT20,Chain 0_Ch 64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 22.1 V/m; Power Drift = -0.017 dB
Peak SAR (extrapolated) = 5.07 W/kg
SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.328 mW/g
Maximum value of SAR (measured) = 2.24 mW/g

802.11n HT20,Chain 2_Ch 64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 22.1 V/m; Power Drift = -0.017 dB
Peak SAR (extrapolated) = 1.70 W/kg
SAR(1 g) = 0.472 mW/g; SAR(10 g) = 0.166 mW/g
Maximum value of SAR (measured) = 0.829 mW/g



0 dB = 0.829mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 5/17/2012 3:04:29 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 = 5.25 mho/m; ε_r = 47.7; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.11, 4.11, 4.11); 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 HT20,Chain 1,2_Ch 52/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

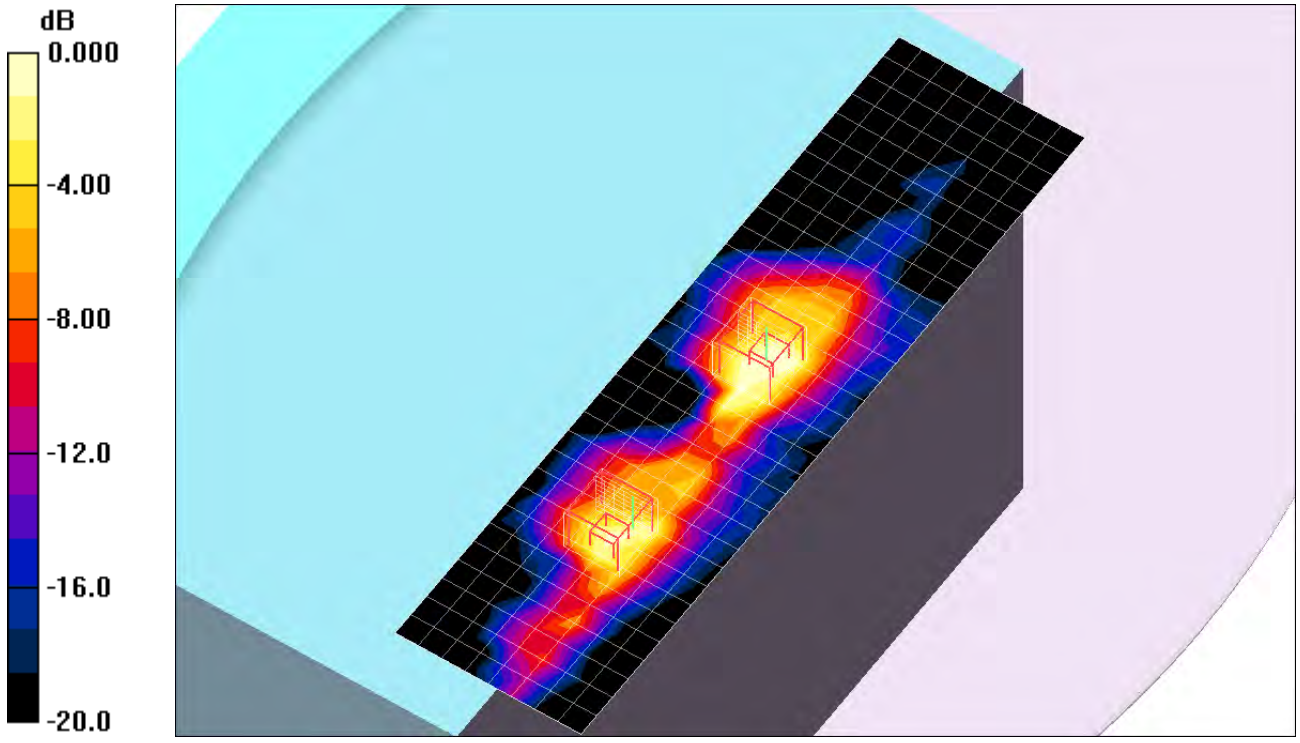
Maximum value of SAR (measured) = 1.52 mW/g

802.11n HT20,Chain 1_Ch 52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 20.896 V/m; Power Drift = 0.043 dB
Peak SAR (extrapolated) = 3.50 W/kg
SAR(1 g) = 0.904 mW/g; SAR(10 g) = 0.268 mW/g
Maximum value of SAR (measured) = 1.67 mW/g

802.11n HT20,Chain 2_Ch 52/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 20.896 V/m; Power Drift = 0.043 dB
Peak SAR (extrapolated) = 1.91 W/kg
SAR(1 g) = 0.520 mW/g; SAR(10 g) = 0.189 mW/g
Maximum value of SAR (measured) = 0.937 mW/g



0 dB = 0.937mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 5/17/2012 4:16:53 PM

5GHz bands

Frequency: 5280 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5280 MHz; σ = 5.27 mho/m; ε_r = 47.6; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.11, 4.11, 4.11); Calibrated: 1/27/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003

802.11n HT20,Chain 1,2_Ch 56/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

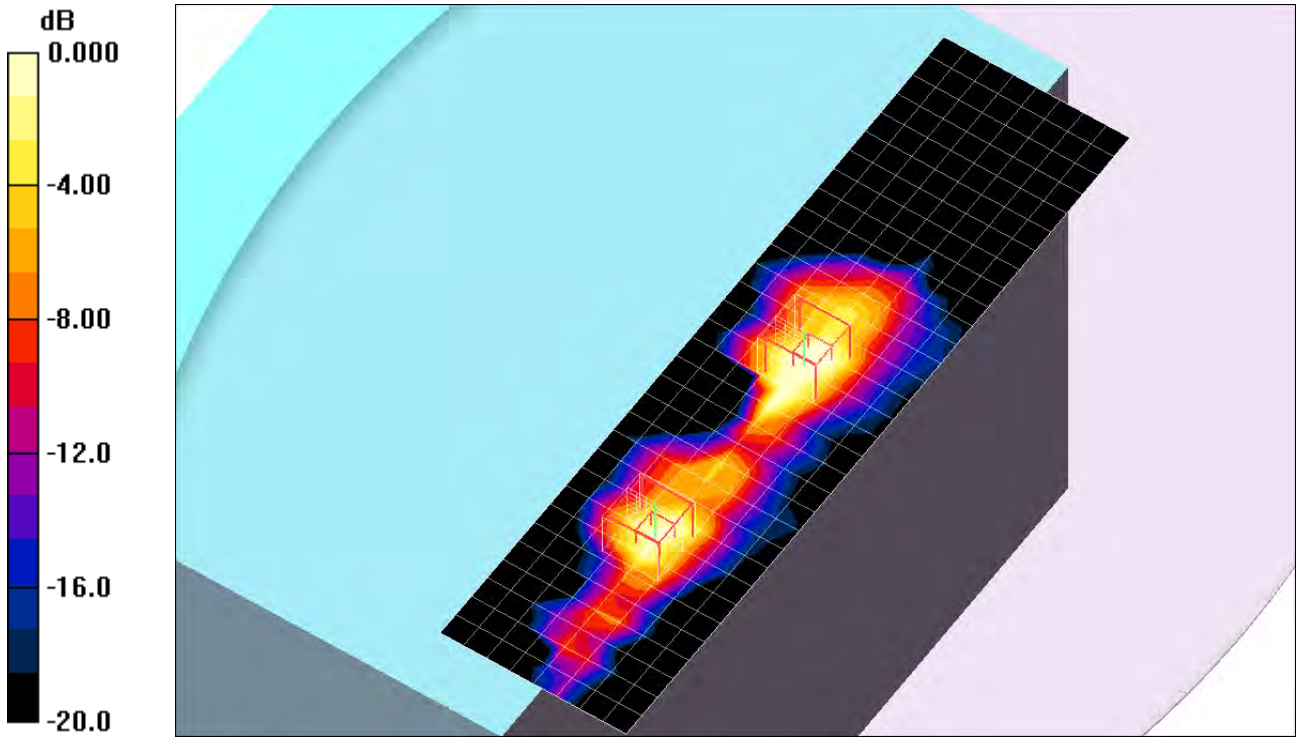
Maximum value of SAR (measured) = 1.59 mW/g

802.11n HT20,Chain 1_Ch 56/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 18.05 V/m; Power Drift = 0.064 dB
Peak SAR (extrapolated) = 3.37 W/kg
SAR(1 g) = 0.893 mW/g; SAR(10 g) = 0.273 mW/g
Maximum value of SAR (measured) = 1.61 mW/g

802.11n HT20,Chain 2_Ch 56/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 18.05 V/m; Power Drift = 0.064 dB
Peak SAR (extrapolated) = 1.79 W/kg
SAR(1 g) = 0.510 mW/g; SAR(10 g) = 0.178 mW/g
Maximum value of SAR (measured) = 0.912 mW/g



0 dB = 0.912mW/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 = 5.32 mho/m; ε_r = 47.5; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.11, 4.11, 4.11); 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 HT20,Chain 1,2_Ch 64/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

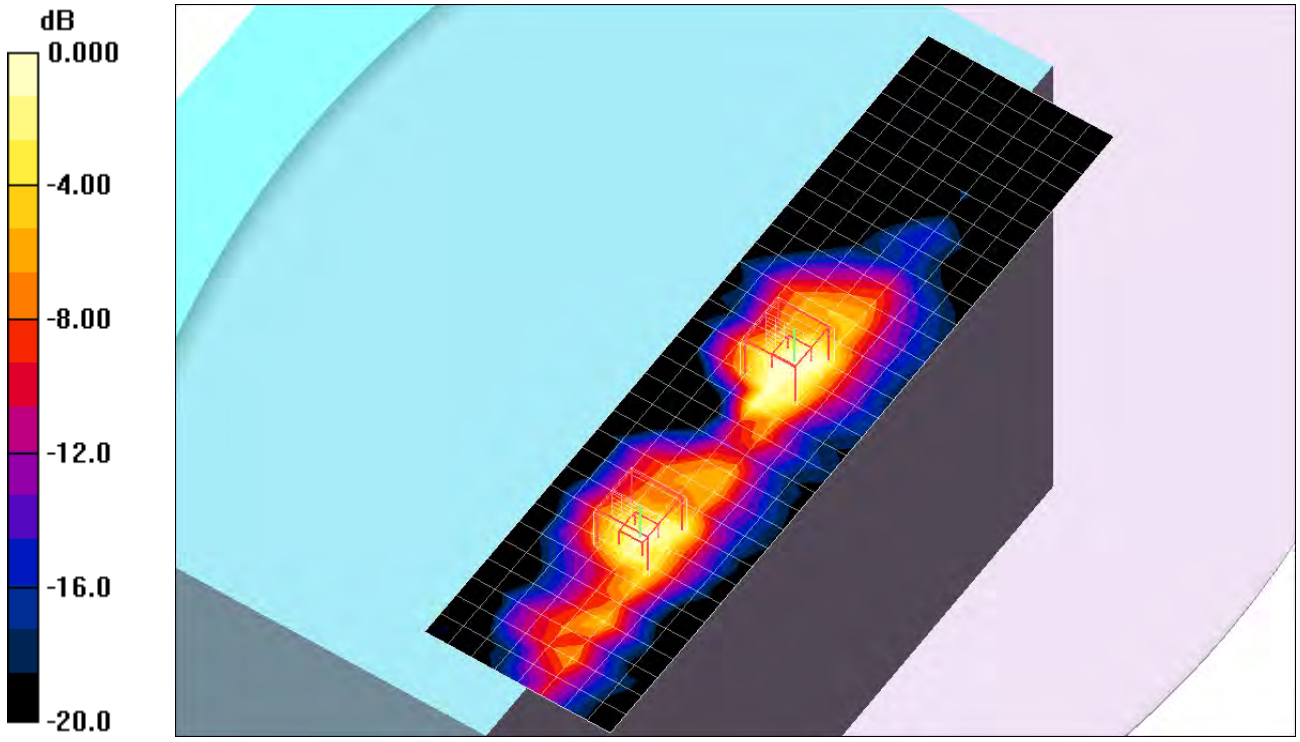
Maximum value of SAR (measured) = 1.29 mW/g

802.11n HT20,Chain 1_Ch 64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 16.93 V/m; Power Drift = -0.071 dB
Peak SAR (extrapolated) = 2.88 W/kg
SAR(1 g) = 0.734 mW/g; SAR(10 g) = 0.234 mW/g
Maximum value of SAR (measured) = 1.30 mW/g

802.11n HT20,Chain 2_Ch 64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 16.93 V/m; Power Drift = -0.071 dB
Peak SAR (extrapolated) = 1.78 W/kg
SAR(1 g) = 0.489 mW/g; SAR(10 g) = 0.175 mW/g
Maximum value of SAR (measured) = 0.879 mW/g



0 dB = 0.879mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 6/20/2012 11:10:21 PM

5GHz bands

Frequency: 5270 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5270 MHz; σ = 5.18 mho/m; ε_r = 51.3; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.11, 4.11, 4.11); 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 54/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

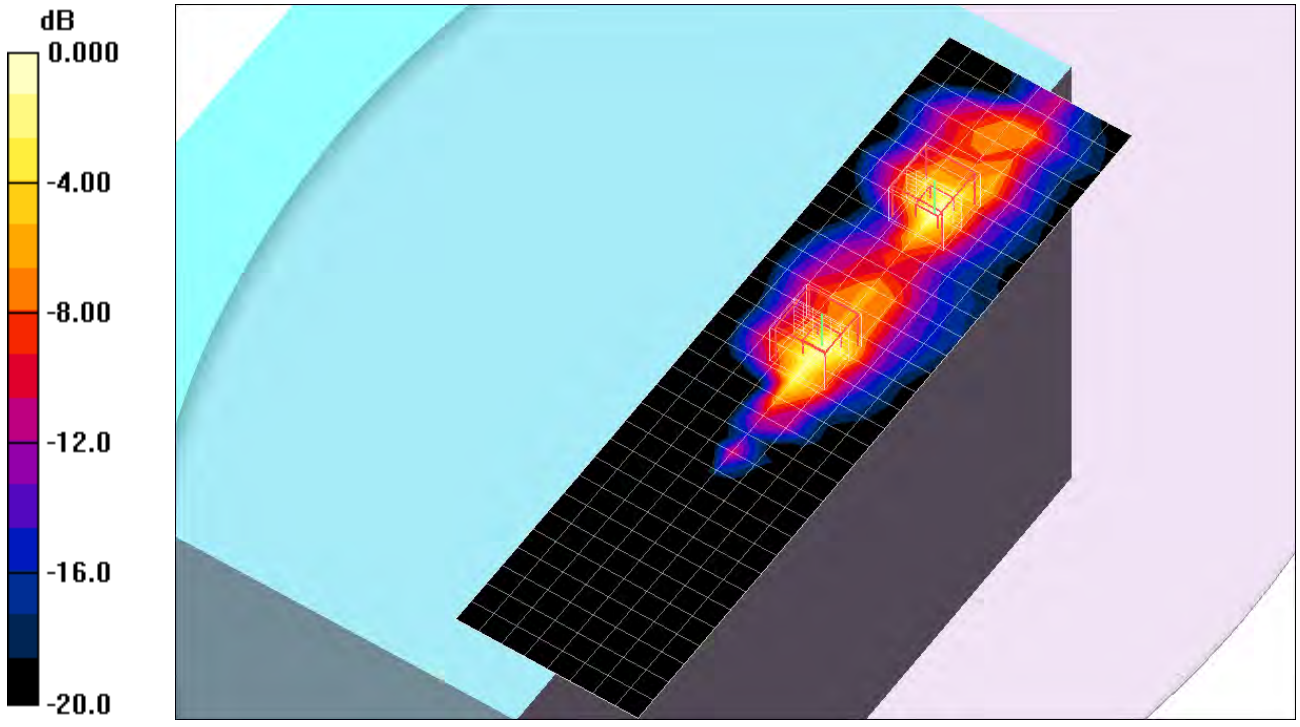
Maximum value of SAR (measured) = 2.01 mW/g

802.11n HT40,Chain 0_Ch 54/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 22.4 V/m; Power Drift = -0.129 dB
Peak SAR (extrapolated) = 4.88 W/kg
SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.332 mW/g
Maximum value of SAR (measured) = 2.26 mW/g

802.11n HT40,Chain 1_Ch 54/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 22.4 V/m; Power Drift = -0.129 dB
Peak SAR (extrapolated) = 4.14 W/kg
SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.343 mW/g
Maximum value of SAR (measured) = 2.10 mW/g



0 dB = 2.10mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 6/20/2012 9:53:56 PM

5GHz bands

Frequency: 5270 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5270 MHz; σ = 5.18 mho/m; ε_r = 51.3; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.11, 4.11, 4.11); 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 54/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

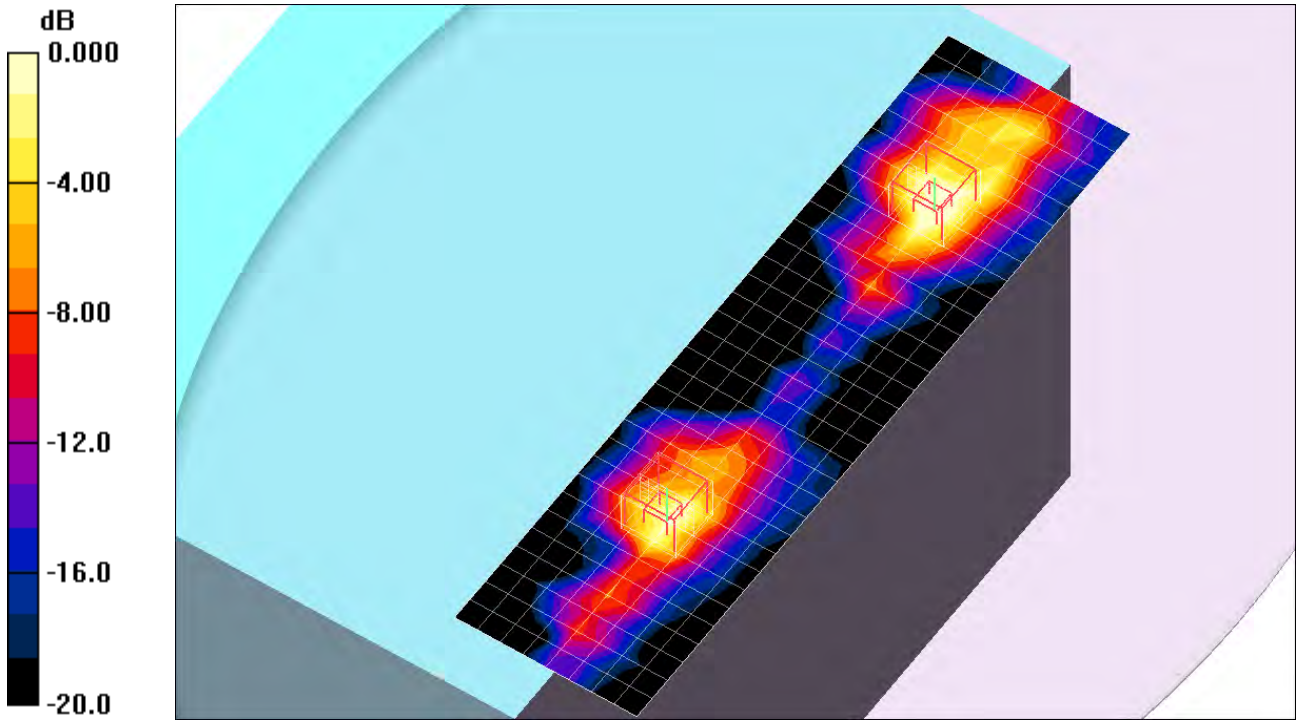
Maximum value of SAR (measured) = 2.31 mW/g

802.11n HT40,Chain 0_Ch 54/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 24.2 V/m; Power Drift = -0.062 dB
Peak SAR (extrapolated) = 4.78 W/kg
SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.321 mW/g
Maximum value of SAR (measured) = 2.08 mW/g

802.11n HT40,Chain 2_Ch 54/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 24.2 V/m; Power Drift = -0.062 dB
Peak SAR (extrapolated) = 2.49 W/kg
SAR(1 g) = 0.676 mW/g; SAR(10 g) = 0.237 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: 6/20/2012 8:55:58 PM

5GHz bands

Frequency: 5270 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5270 MHz; σ = 5.18 mho/m; ε_r = 51.3; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.11, 4.11, 4.11); 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 54/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

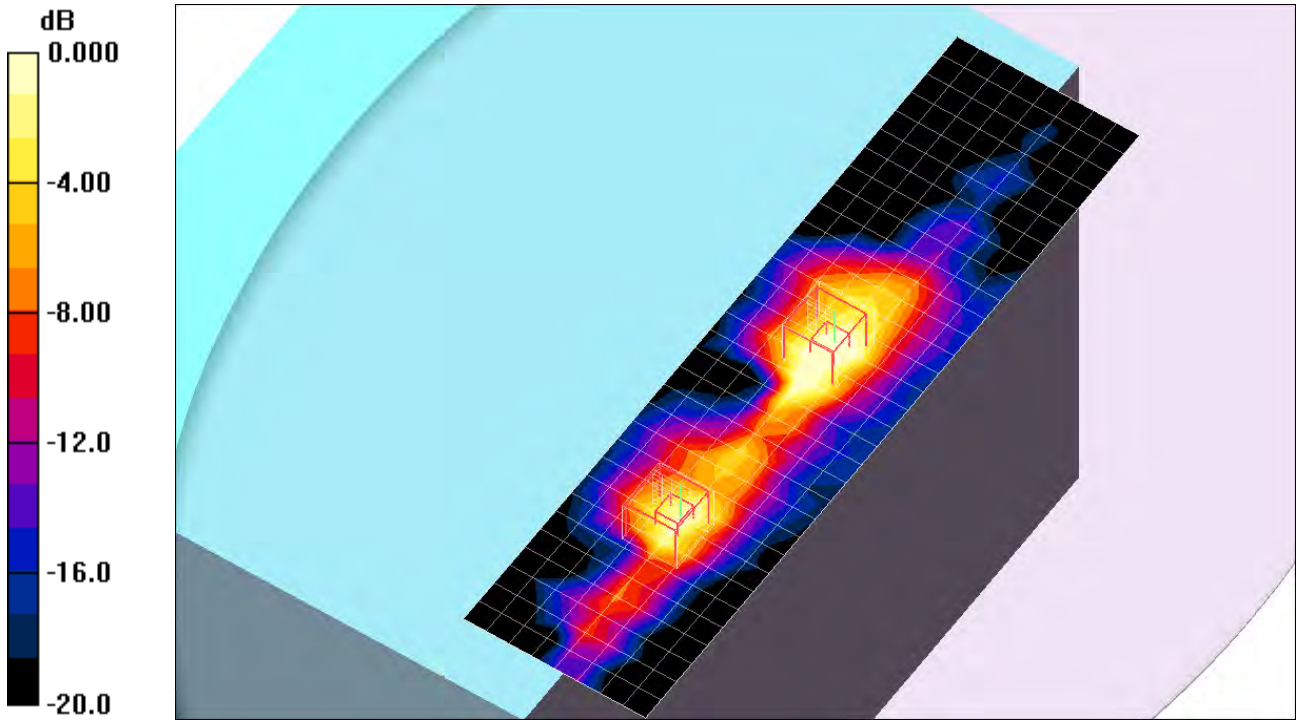
Maximum value of SAR (measured) = 1.97 mW/g

802.11n HT40,Chain 1_Ch 54/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 21.3 V/m; Power Drift = -0.147 dB
Peak SAR (extrapolated) = 4.25 W/kg
SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.346 mW/g
Maximum value of SAR (measured) = 2.15 mW/g

802.11n HT40,Chain 2_Ch 54/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 21.3 V/m; Power Drift = -0.147 dB
Peak SAR (extrapolated) = 2.49 W/kg
SAR(1 g) = 0.703 mW/g; SAR(10 g) = 0.230 mW/g
Maximum value of SAR (measured) = 1.16 mW/g



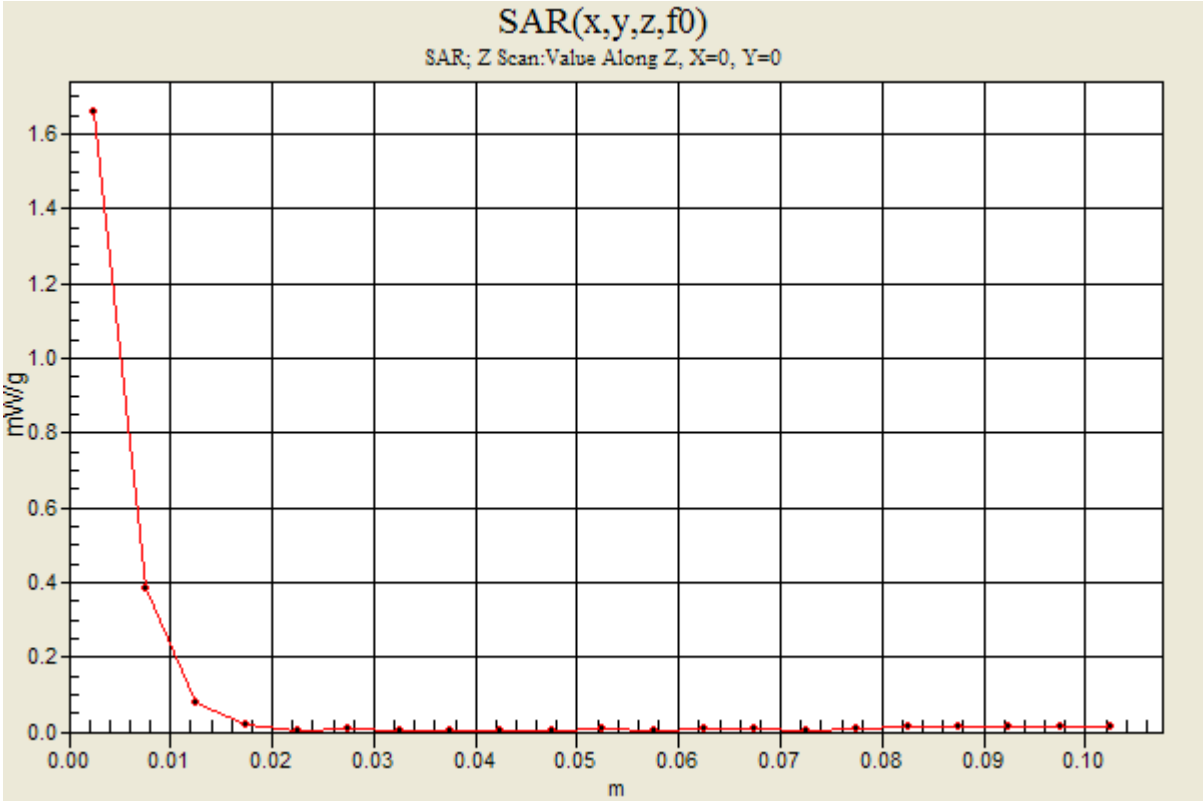
0 dB = 1.16mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 6/20/2012 9:51:33 PM

5GHz bands

Frequency: 5270 MHz; Duty Cycle: 1:1

802.11n HT40,Chain 1,2_Ch 54/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 1.66 mW/g



Test Laboratory: UL CCS SAR Lab D Date/Time: 6/20/2012 6:33:39 PM

5GHz bands

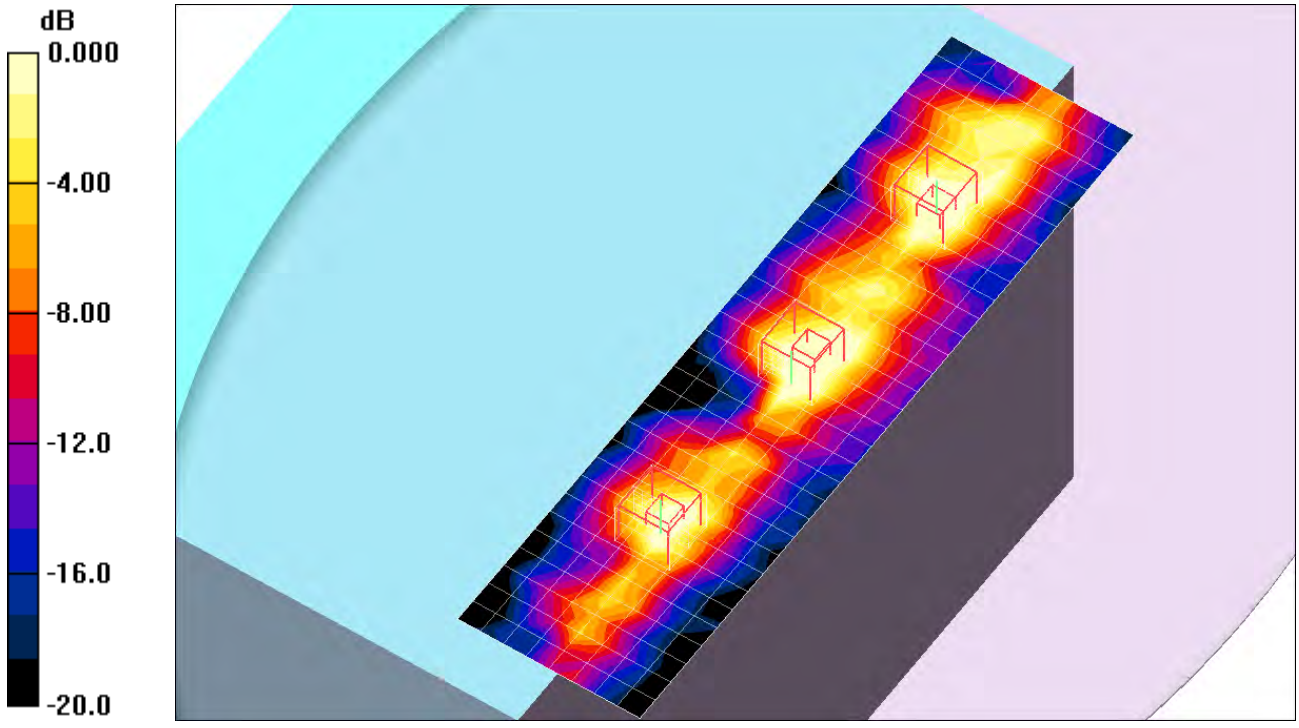
Frequency: 5320 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5320 MHz; σ = 5.25 mho/m; ε_r = 51.2; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.11, 4.11, 4.11); 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 HT20,Chain 0,1,2_Ch 64/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.20 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 = 23.4 V/m; Power Drift = -0.132 dB
Peak SAR (extrapolated) = 5.10 W/kg
SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.314 mW/g
Maximum value of SAR (measured) = 2.25 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 = 23.4 V/m; Power Drift = -0.132 dB
Peak SAR (extrapolated) = 3.27 W/kg
SAR(1 g) = 0.798 mW/g; SAR(10 g) = 0.261 mW/g
Maximum value of SAR (measured) = 1.46 mW/g

802.11n HT20,Chain 2_Ch 64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 23.4 V/m; Power Drift = -0.132 dB
Peak SAR (extrapolated) = 1.67 W/kg
SAR(1 g) = 0.445 mW/g; SAR(10 g) = 0.149 mW/g
Maximum value of SAR (measured) = 0.763 mW/g



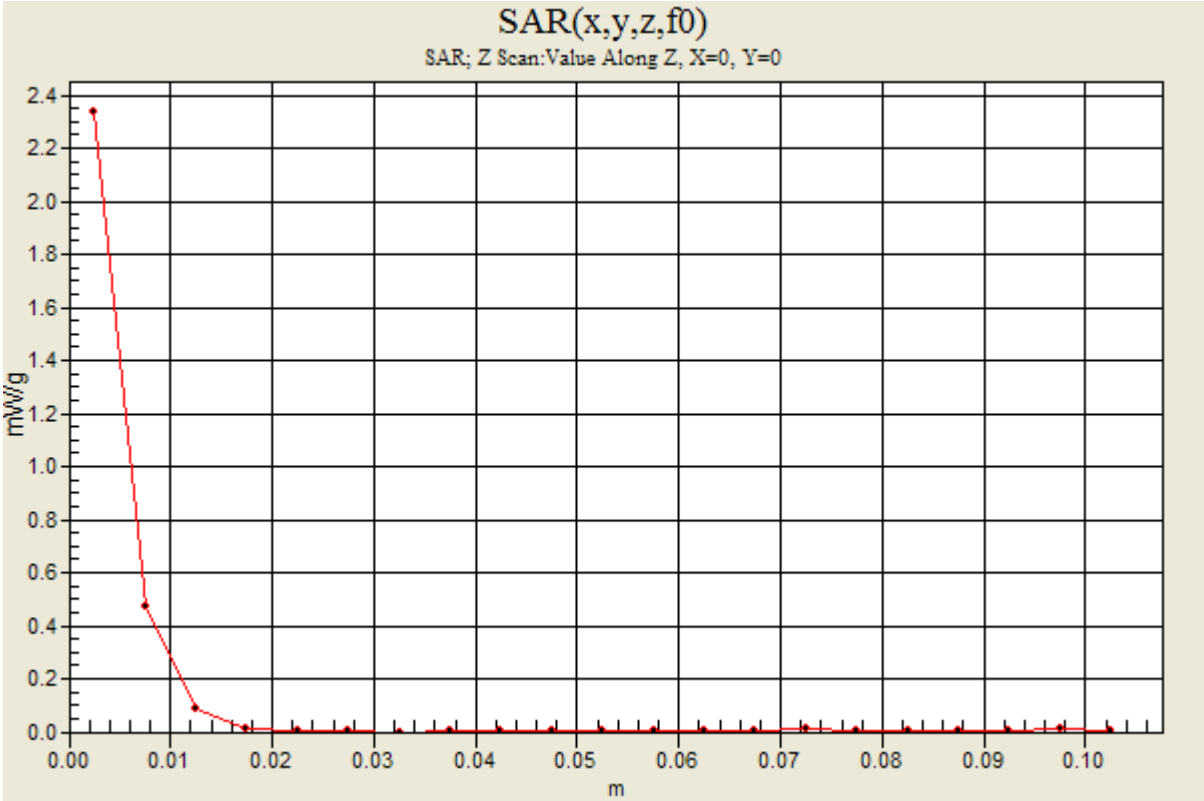
0 dB = 0.763mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 6/20/2012 8:49:46 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) = 2.34 mW/g



5GHz bands

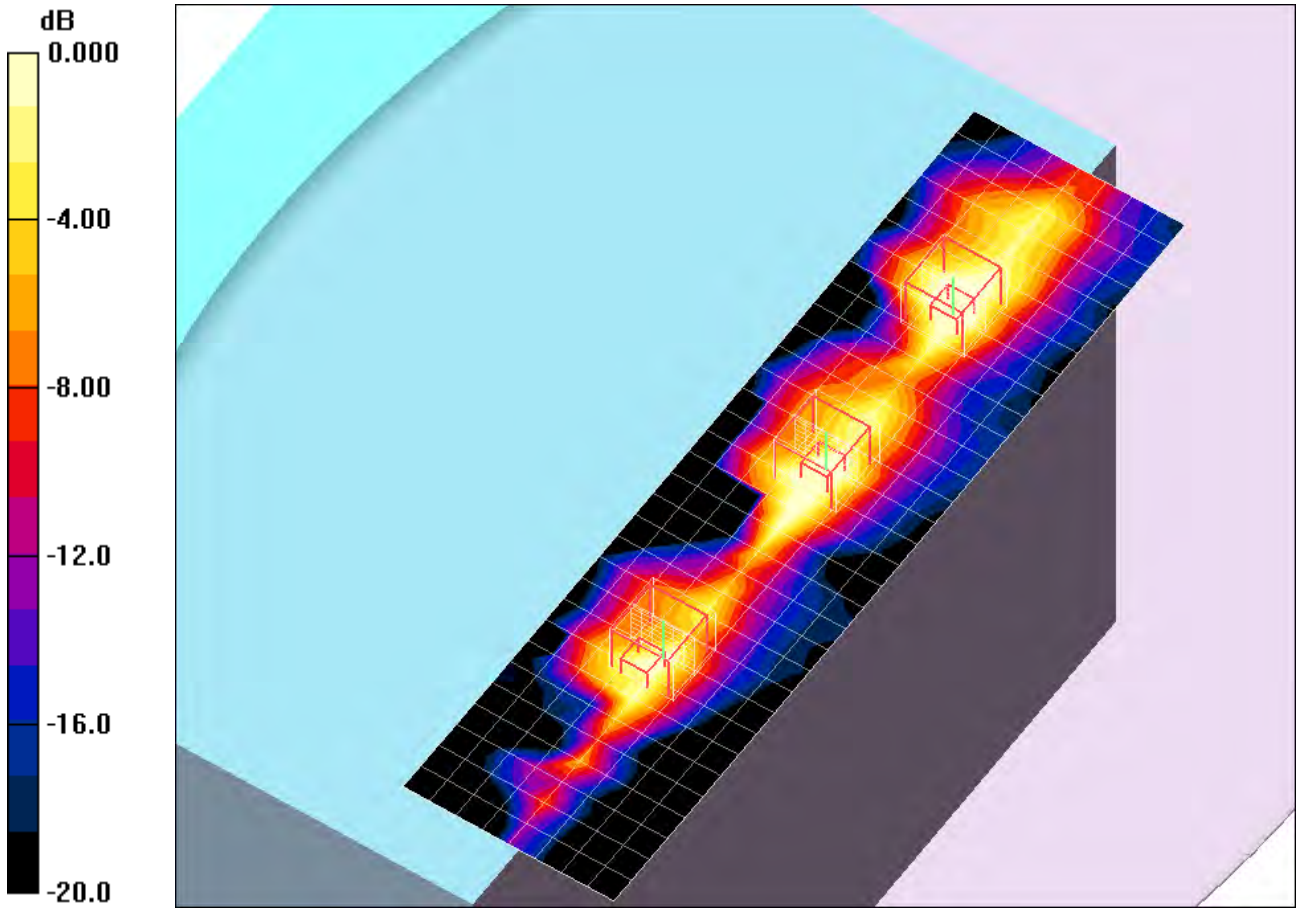
Frequency: 5270 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5270 MHz; σ = 5.15 mho/m; ε_r = 49.5; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.11, 4.11, 4.11); Calibrated: 1/27/2012
- 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 54/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.38 mW/g

802.11n HT40, Chain 0_Ch 54/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 21.6 V/m; Power Drift = 0.075 dB
Peak SAR (extrapolated) = 5.17 W/kg
SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.343 mW/g
Maximum value of SAR (measured) = 2.28 mW/g

802.11n HT40, Chain 1_Ch 54/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 21.6 V/m; Power Drift = 0.075 dB
Peak SAR (extrapolated) = 4.19 W/kg
SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.312 mW/g
Maximum value of SAR (measured) = 2.09 mW/g

802.11n HT40, Chain 2_Ch 54/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 21.6 V/m; Power Drift = 0.075 dB
Peak SAR (extrapolated) = 2.06 W/kg
SAR(1 g) = 0.588 mW/g; SAR(10 g) = 0.184 mW/g
Maximum value of SAR (measured) = 1.04 mW/g



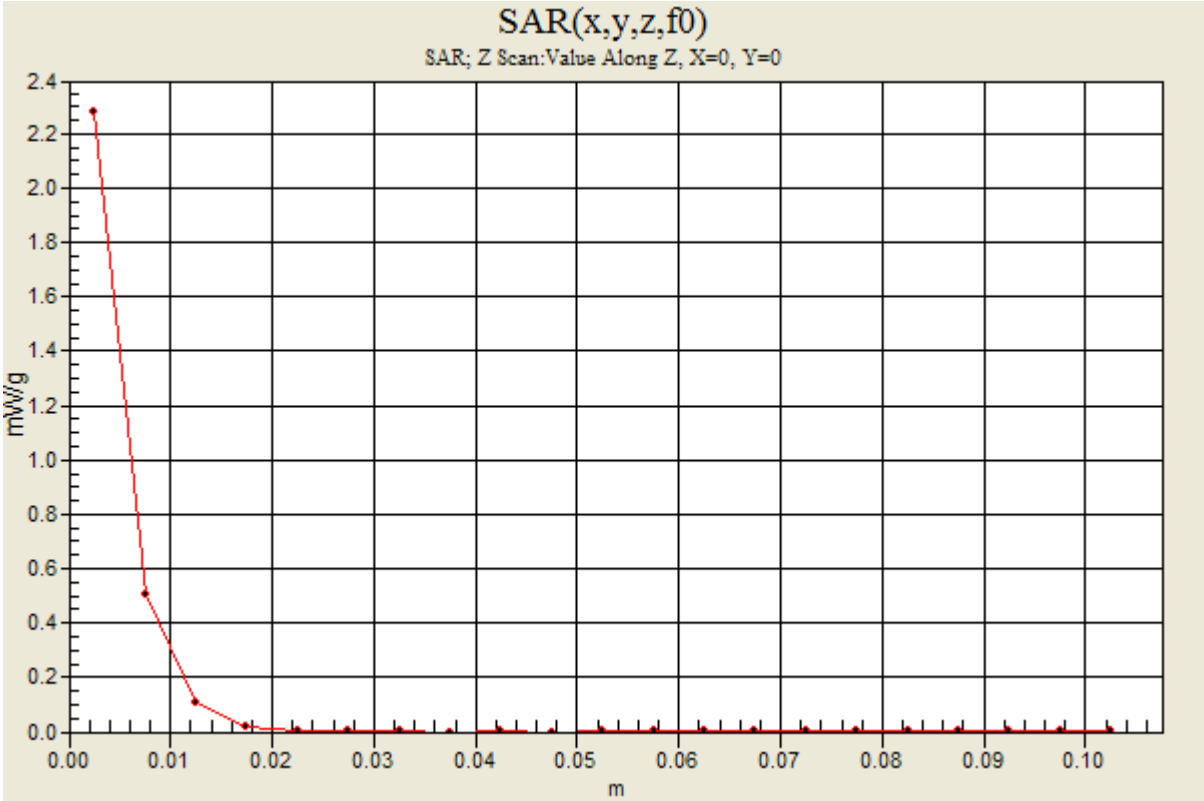
0 dB = 1.04mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/19/2012 11:09:59 AM

5GHz bands

Frequency: 5270 MHz; Duty Cycle: 1:1

802.11n HT40, Chain 0,1,2_Ch 54/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 2.28 mW/g



5GHz bands

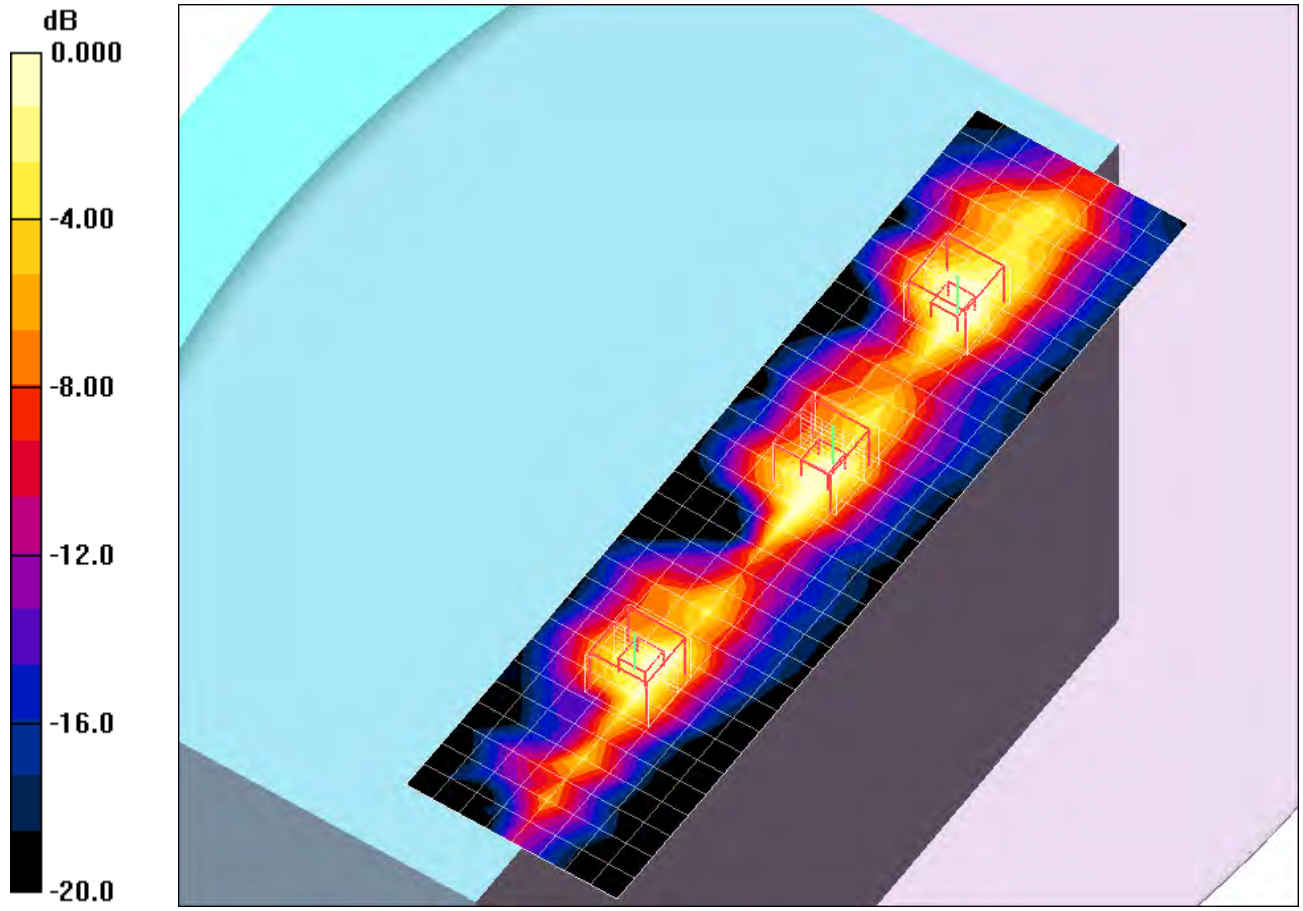
Frequency: 5310 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5310 MHz; σ = 5.2 mho/m; ε_r = 49.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.11, 4.11, 4.11); 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 62/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.91 mW/g

802.11n HT40, Chain 0_Ch 62/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 18.4 V/m; Power Drift = 0.082 dB
Peak SAR (extrapolated) = 3.91 W/kg
SAR(1 g) = 0.904 mW/g; SAR(10 g) = 0.257 mW/g
Maximum value of SAR (measured) = 1.72 mW/g

802.11n HT40, Chain 1_Ch 62/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 18.4 V/m; Power Drift = 0.082 dB
Peak SAR (extrapolated) = 2.41 W/kg
SAR(1 g) = 0.666 mW/g; SAR(10 g) = 0.202 mW/g
Maximum value of SAR (measured) = 1.22 mW/g

802.11n HT40, Chain 2_Ch 62/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 18.4 V/m; Power Drift = 0.082 dB
Peak SAR (extrapolated) = 1.82 W/kg
SAR(1 g) = 0.508 mW/g; SAR(10 g) = 0.164 mW/g
Maximum value of SAR (measured) = 0.944 mW/g



0 dB = 0.944mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/20/2012 1:18:57 AM

5GHz bands

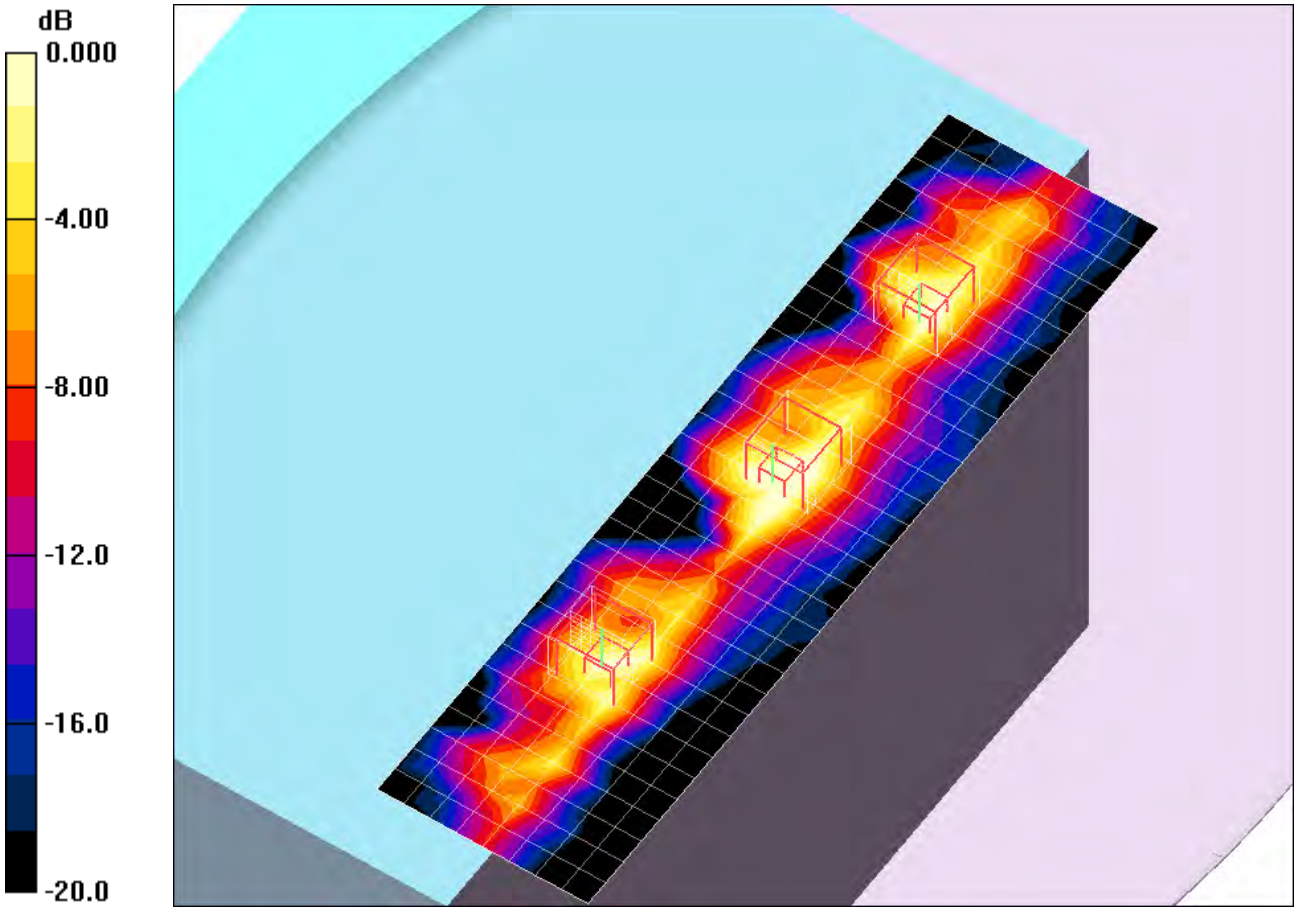
Frequency: 5270 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5270 MHz; σ = 5.15 mho/m; ε_r = 49.5; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.11, 4.11, 4.11); Calibrated: 1/27/2012
- 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 54/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.57 mW/g

802.11n HT40, Chain 0_Ch 54/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 17.4 V/m; Power Drift = 0.160 dB
Peak SAR (extrapolated) = 3.23 W/kg
SAR(1 g) = 0.771 mW/g; SAR(10 g) = 0.236 mW/g
Maximum value of SAR (measured) = 1.49 mW/g

802.11n HT40, Chain 1_Ch 54/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 17.4 V/m; Power Drift = 0.160 dB
Peak SAR (extrapolated) = 3.45 W/kg
SAR(1 g) = 0.981 mW/g; SAR(10 g) = 0.306 mW/g
Maximum value of SAR (measured) = 1.75 mW/g

802.11n HT40, Chain 2_Ch 54/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 17.4 V/m; Power Drift = 0.160 dB
Peak SAR (extrapolated) = 2.04 W/kg
SAR(1 g) = 0.562 mW/g; SAR(10 g) = 0.204 mW/g
Maximum value of SAR (measured) = 0.979 mW/g



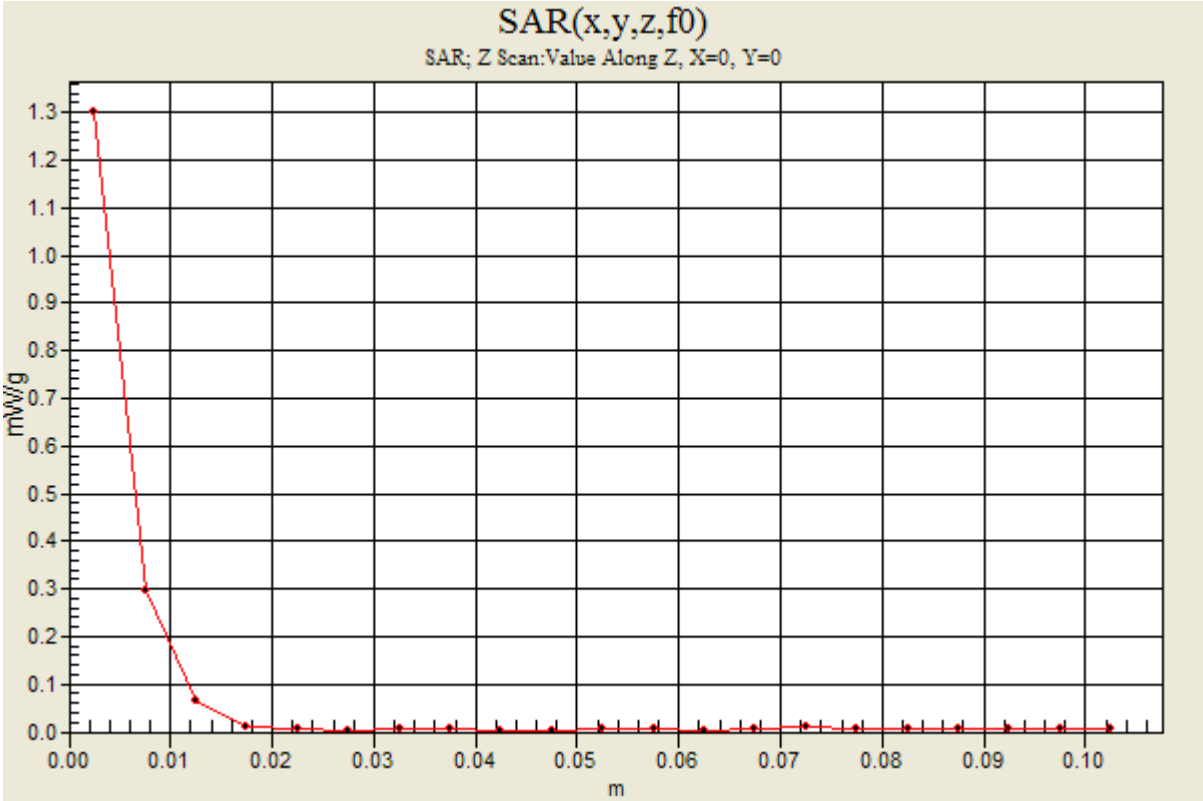
0 dB = 0.979mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/20/2012 2:38:27 AM

5GHz bands

Frequency: 5270 MHz; Duty Cycle: 1:1

802.11n HT40, Chain 0,1,2_Ch 54/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 1.30 mW/g



Test Laboratory: UL CCS SAR Lab D Date/Time: 4/20/2012 12:09:15 AM

5GHz bands

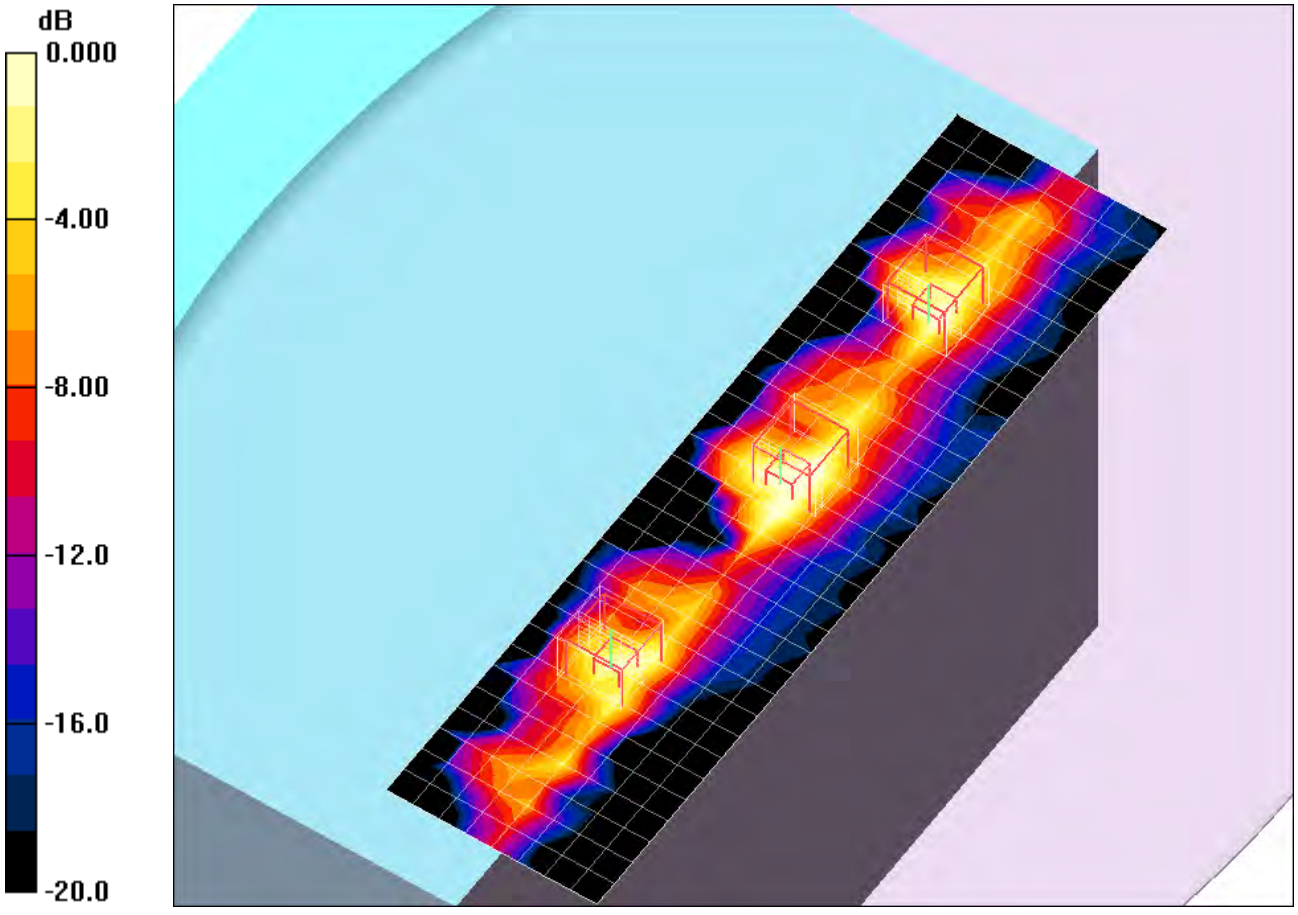
Frequency: 5310 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5310 MHz; σ = 5.2 mho/m; ε_r = 49.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(4.11, 4.11, 4.11); Calibrated: 1/27/2012
- 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 62/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.777 mW/g

802.11n HT40, Chain 0_Ch 62/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 13.2 V/m; Power Drift = -0.051 dB
Peak SAR (extrapolated) = 1.87 W/kg
SAR(1 g) = 0.434 mW/g; SAR(10 g) = 0.130 mW/g
Maximum value of SAR (measured) = 0.846 mW/g

802.11n HT40, Chain 1_Ch 62/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 13.2 V/m; Power Drift = -0.051 dB
Peak SAR (extrapolated) = 1.86 W/kg
SAR(1 g) = 0.517 mW/g; SAR(10 g) = 0.159 mW/g
Maximum value of SAR (measured) = 0.917 mW/g

802.11n HT40, Chain 2_Ch 62/Zoom Scan (7x7x9)/Cube 2: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 13.2 V/m; Power Drift = -0.051 dB
Peak SAR (extrapolated) = 1.22 W/kg
SAR(1 g) = 0.338 mW/g; SAR(10 g) = 0.119 mW/g
Maximum value of SAR (measured) = 0.592 mW/g



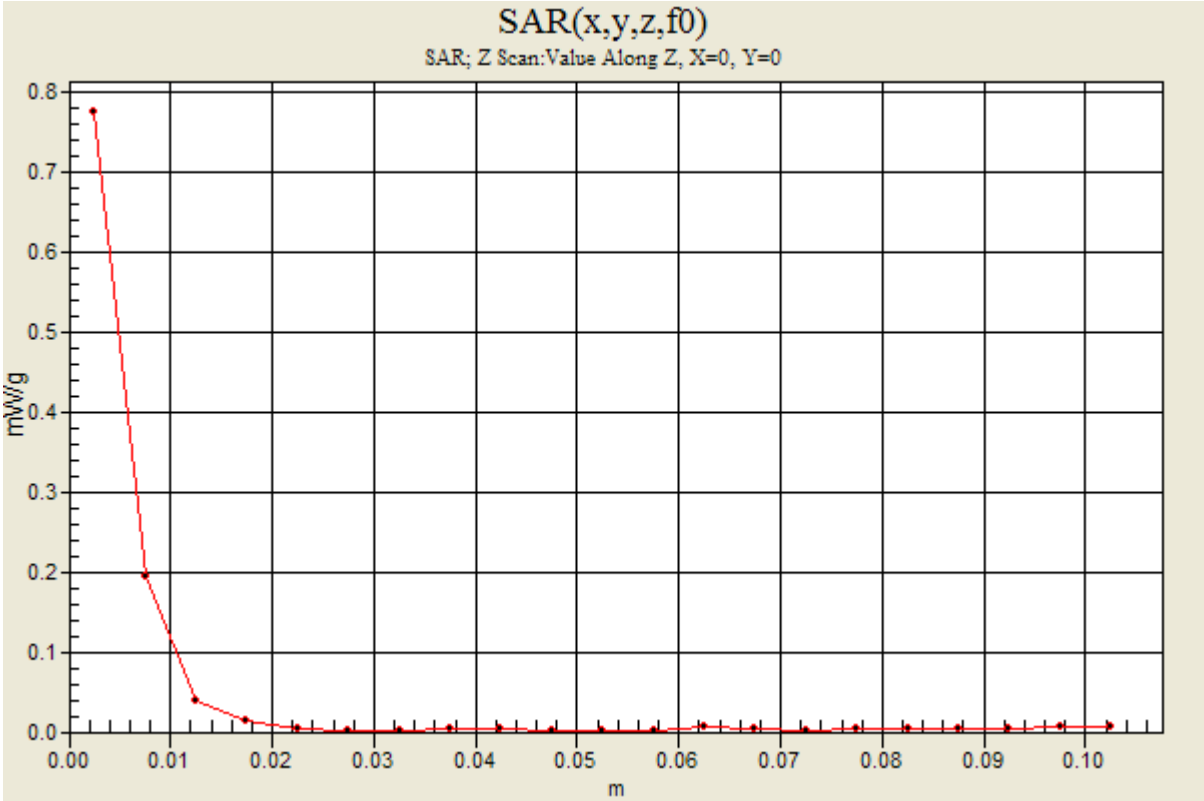
0 dB = 0.592mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/20/2012 1:12:29 AM

5GHz bands

Frequency: 5310 MHz; Duty Cycle: 1:1

802.11n HT40, Chain 0,1,2_Ch 62/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.775 mW/g



5GHz bands

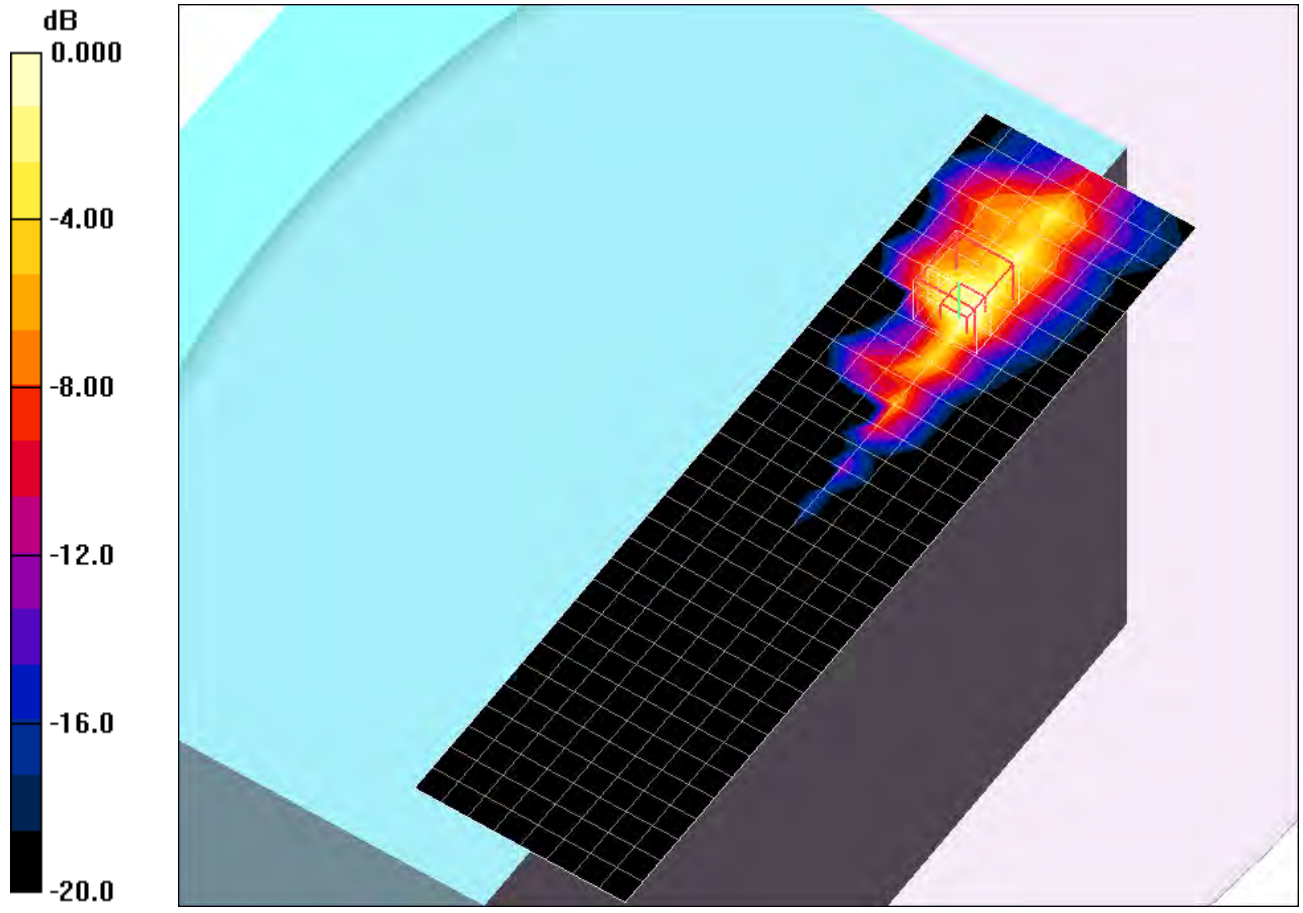
Frequency: 5520 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5520 MHz; σ = 5.63 mho/m; ε_r = 49.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.72, 3.72, 3.72); 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 104/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.58 mW/g

802.11a ,Chain 0_Ch 104/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 23.2 V/m; Power Drift = -0.099 dB
Peak SAR (extrapolated) = 5.00 W/kg
SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.334 mW/g
Maximum value of SAR (measured) = 2.26 mW/g



0 dB = 2.26mW/g

5GHz bands

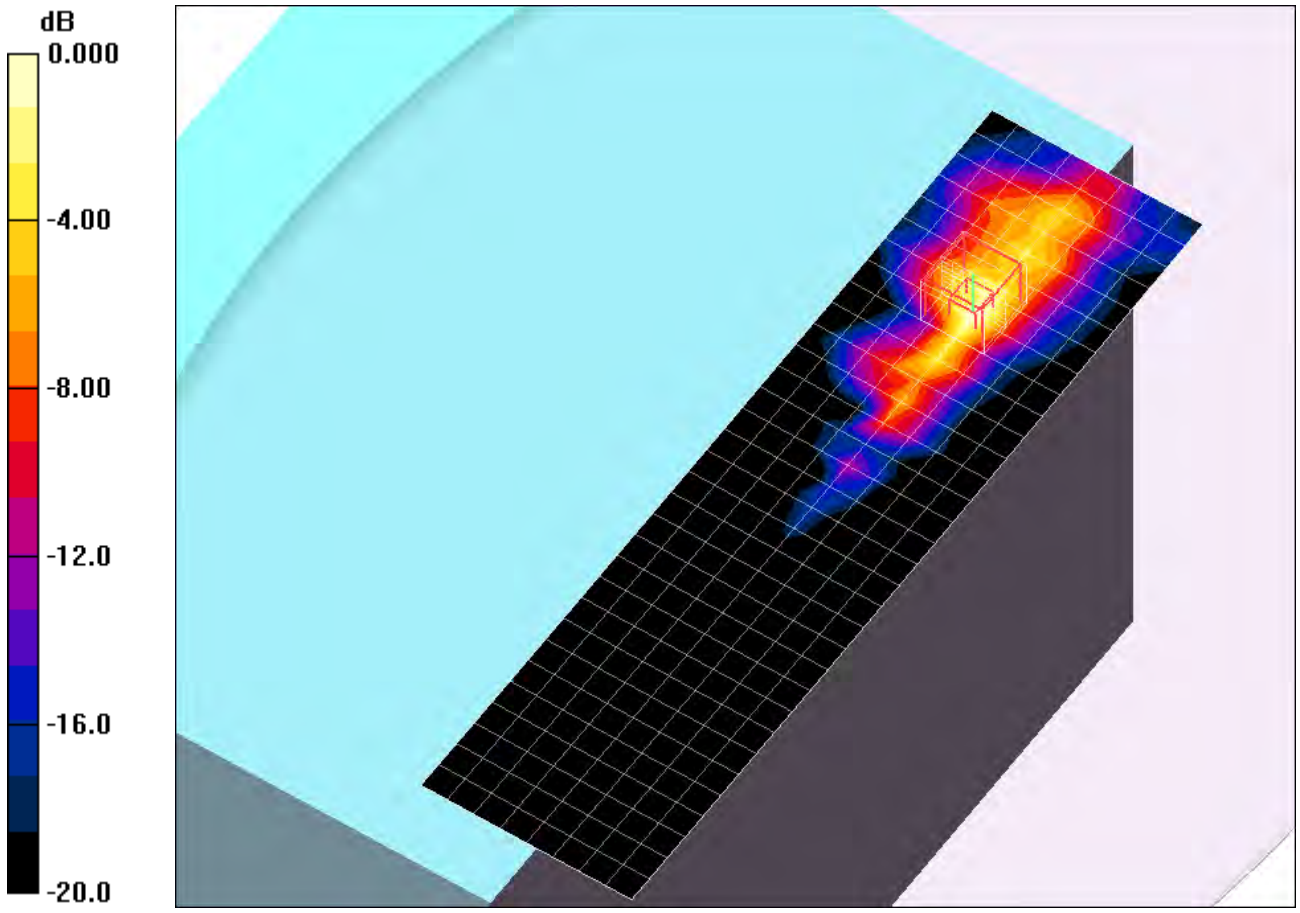
Frequency: 5580 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5580 MHz; σ = 5.72 mho/m; ε_r = 49.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.57, 3.57, 3.57); 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 0_Ch 116/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.07 mW/g

802.11a ,Chain 0_Ch 116/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 18.5 V/m; Power Drift = 0.080 dB
Peak SAR (extrapolated) = 4.49 W/kg
SAR(1 g) = 1 mW/g; SAR(10 g) = 0.295 mW/g
Maximum value of SAR (measured) = 1.82 mW/g



0 dB = 1.82mW/g

5GHz bands

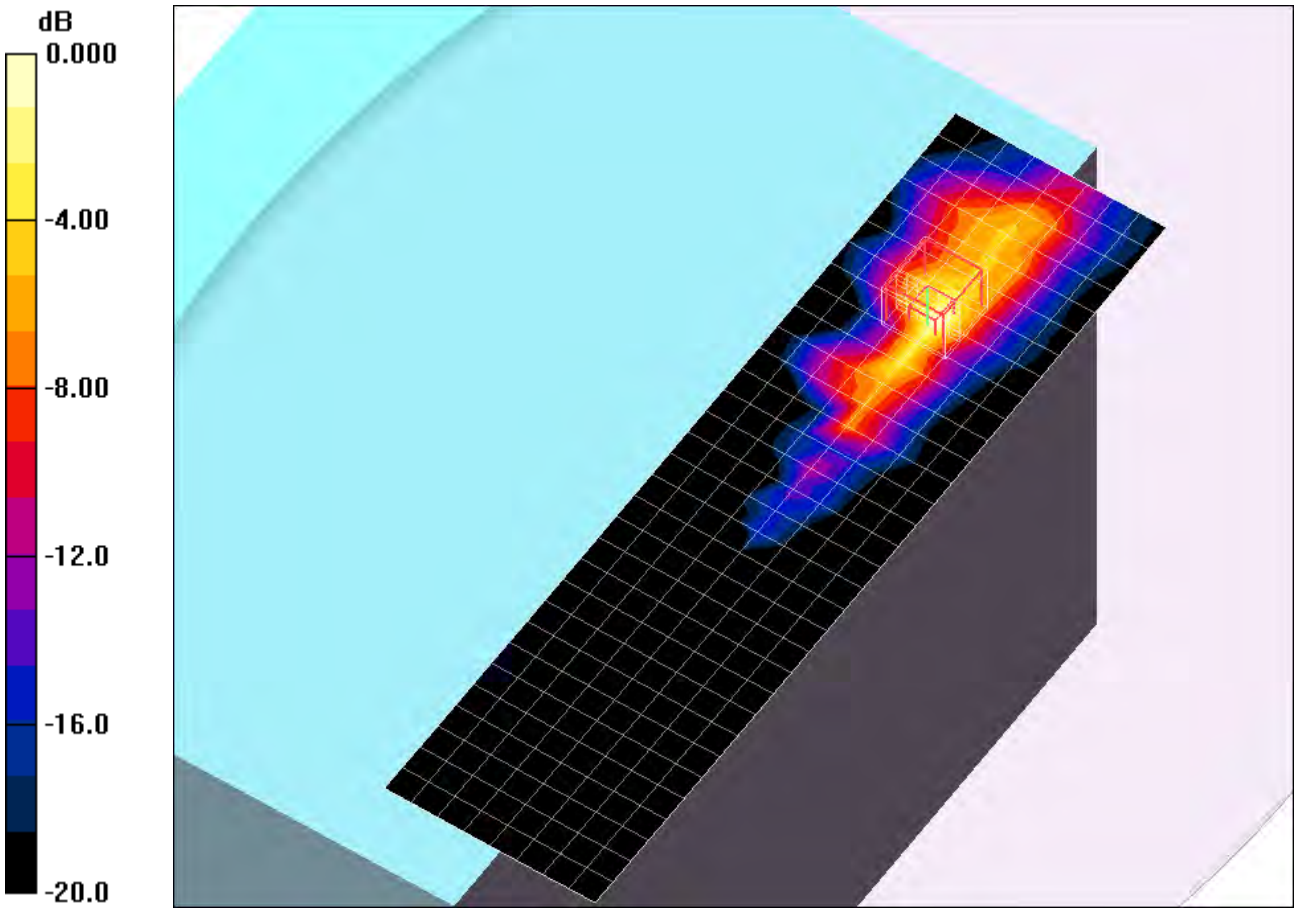
Frequency: 5620 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5620 MHz; σ = 5.76 mho/m; ε_r = 49; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.57, 3.57, 3.57); 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 0_Ch 124/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.06 mW/g

802.11a ,Chain 0_Ch 124/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 19.9 V/m; Power Drift = 0.033 dB
Peak SAR (extrapolated) = 4.90 W/kg
SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.304 mW/g
Maximum value of SAR (measured) = 2.10 mW/g



0 dB = 2.10mW/g

5GHz bands

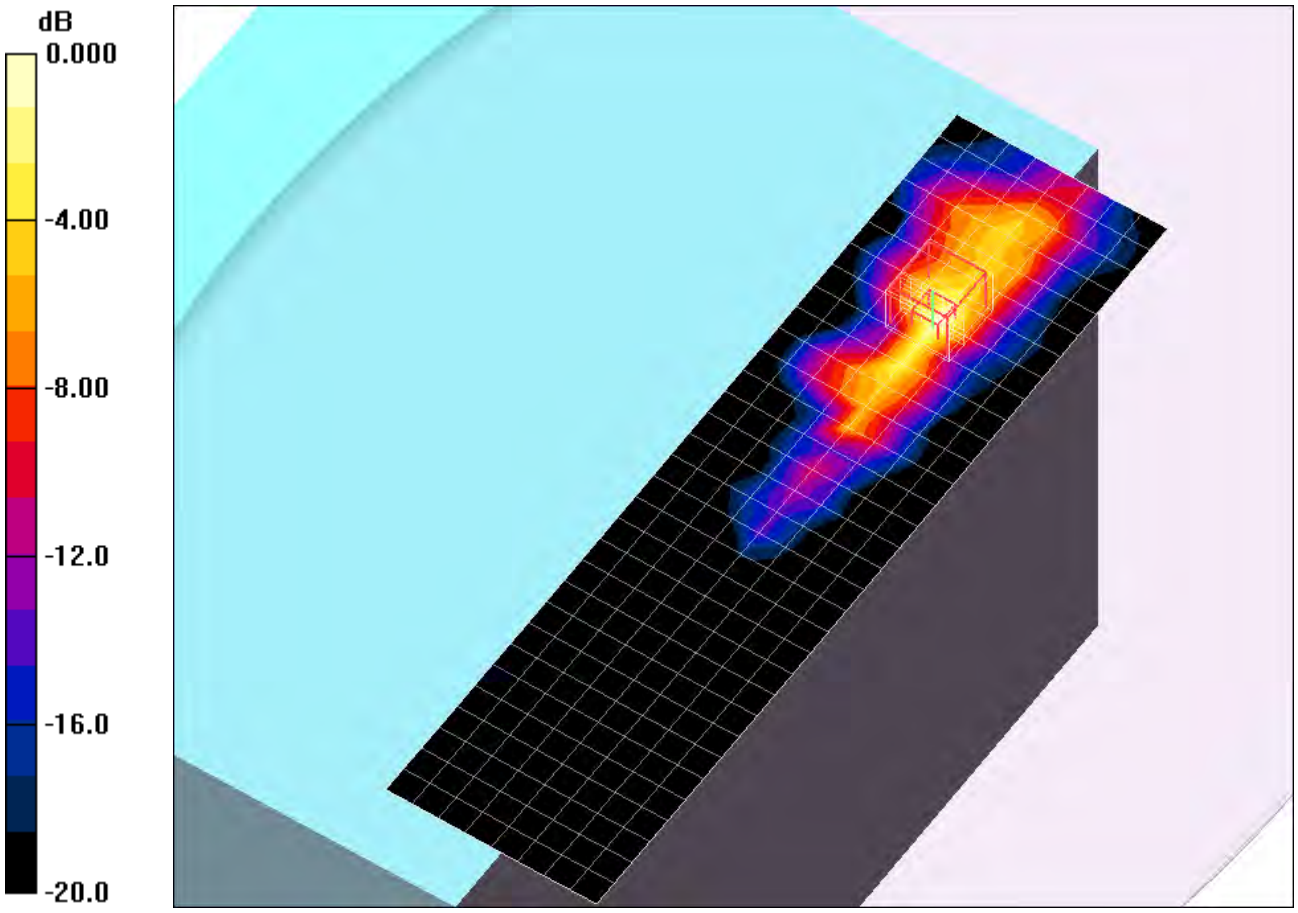
Frequency: 5680 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5680 MHz; σ = 5.86 mho/m; ε_r = 48.9; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.57, 3.57, 3.57); 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 0_Ch 136/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.06 mW/g

802.11a ,Chain 0_Ch 136/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 19.6 V/m; Power Drift = 0.076 dB
Peak SAR (extrapolated) = 5.20 W/kg
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.288 mW/g
Maximum value of SAR (measured) = 1.95 mW/g



0 dB = 1.95mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/14/2012 7:05:57 PM

5GHz bands

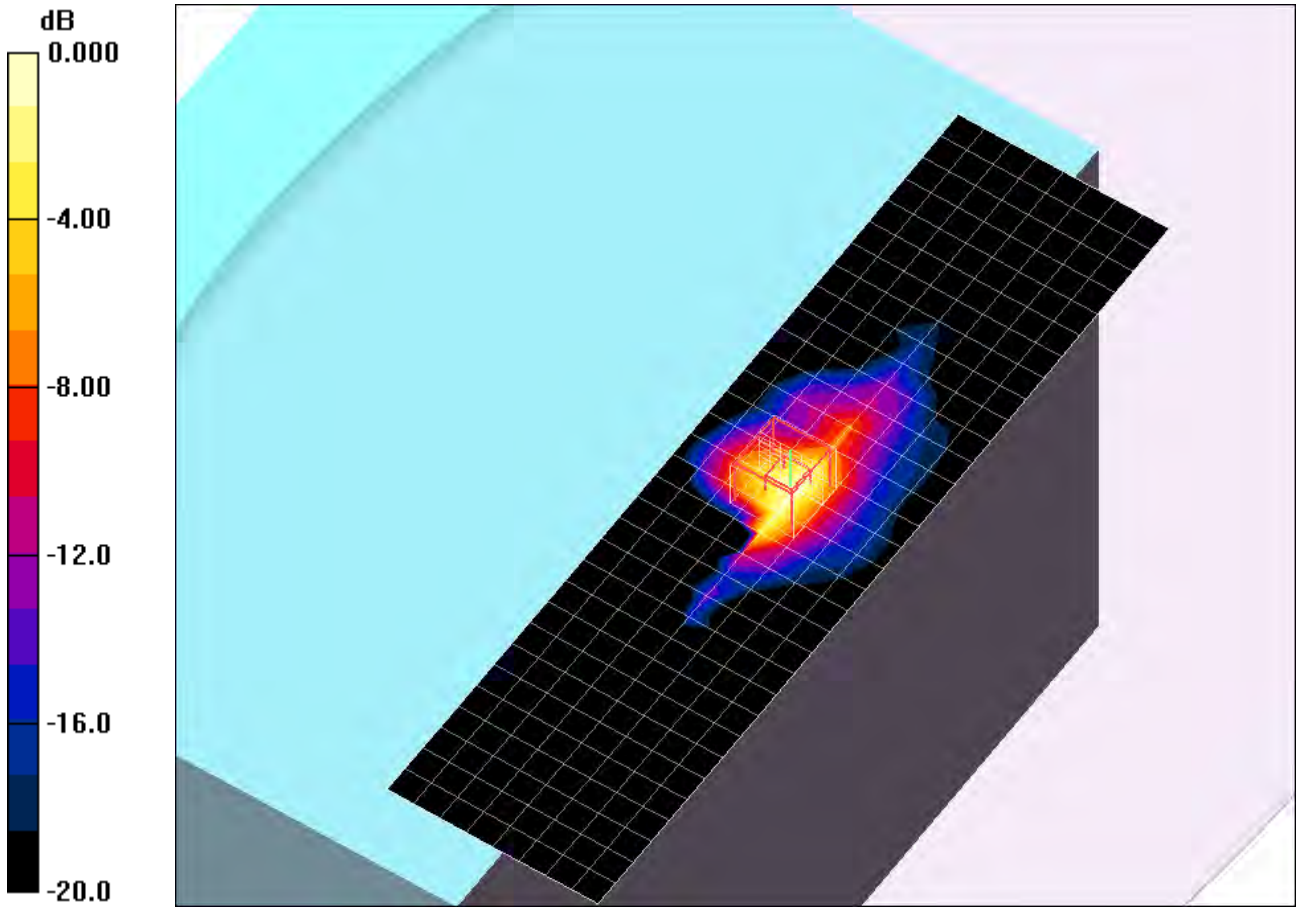
Frequency: 5520 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5520 MHz; σ = 5.63 mho/m; ε_r = 49.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.72, 3.72, 3.72); Calibrated: 1/27/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003

802.11a ,Chain 1_Ch 104/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.85 mW/g

802.11a ,Chain 1_Ch 104/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 19.6 V/m; Power Drift = 0.060 dB
Peak SAR (extrapolated) = 4.59 W/kg
SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.358 mW/g
Maximum value of SAR (measured) = 2.10 mW/g



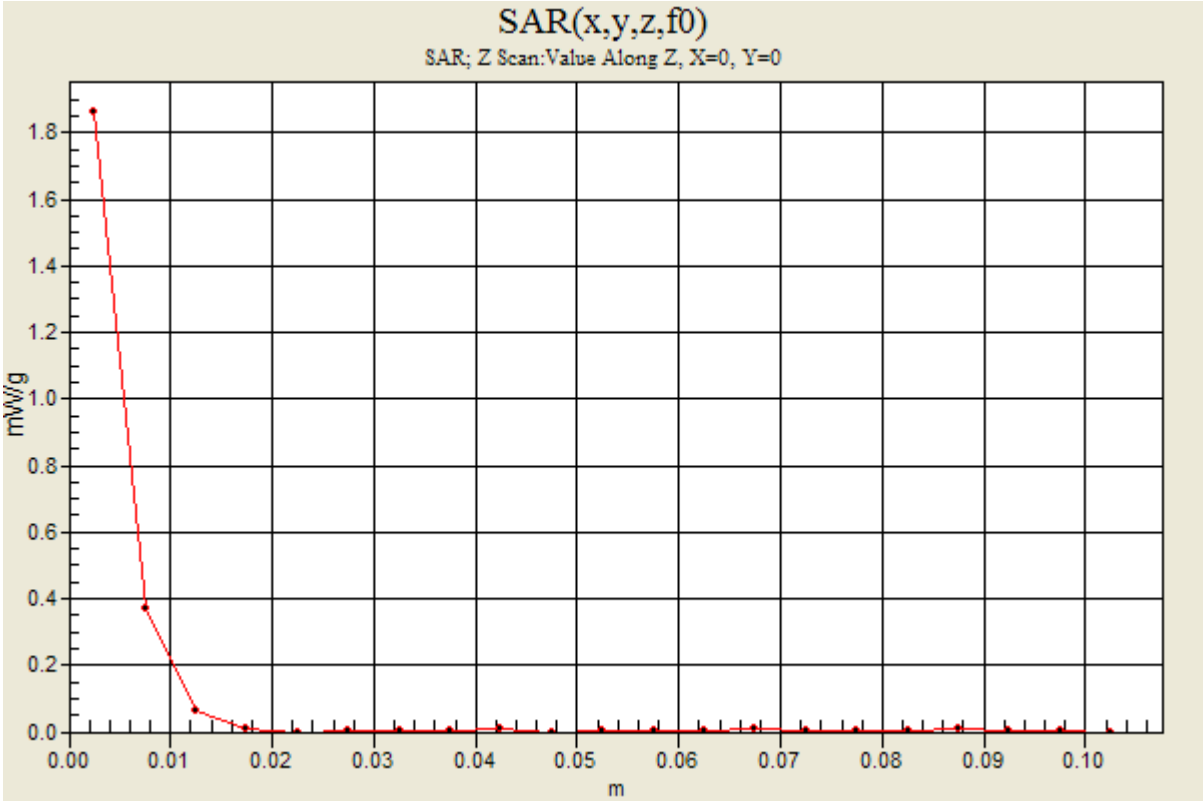
0 dB = 2.10mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/14/2012 7:44:05 PM

5GHz bands

Frequency: 5520 MHz; Duty Cycle: 1:1

802.11a ,Chain 1_Ch 104/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 1.86 mW/g



5GHz bands

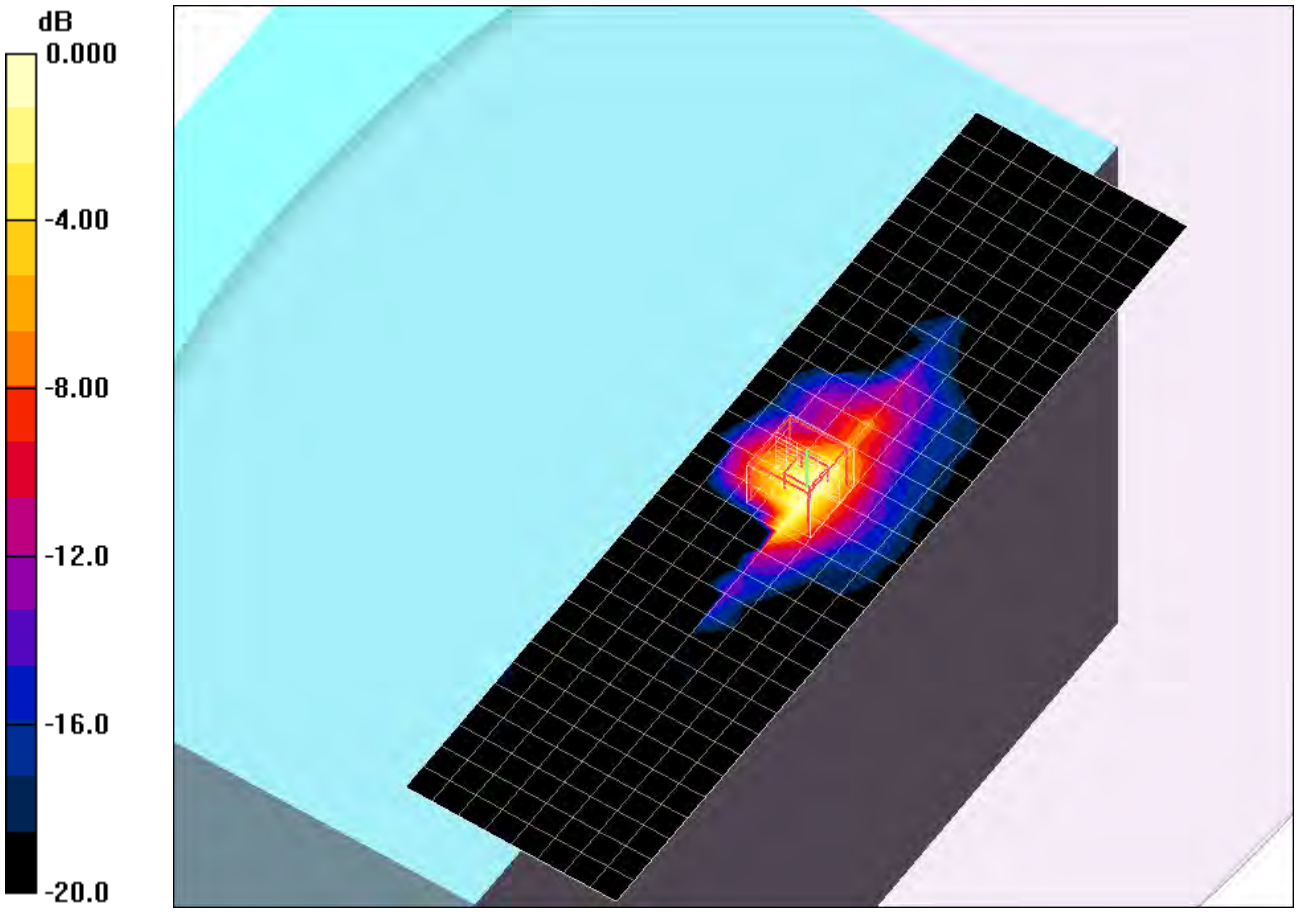
Frequency: 5580 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5580 MHz; σ = 5.72 mho/m; ε_r = 49.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.57, 3.57, 3.57); Calibrated: 1/27/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003

802.11a ,Chain 1_Ch 116/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.65 mW/g

802.11a ,Chain 1_Ch 116/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 19.2 V/m; Power Drift = 0.079 dB
Peak SAR (extrapolated) = 4.09 W/kg
SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.334 mW/g
Maximum value of SAR (measured) = 1.91 mW/g



0 dB = 1.91mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/14/2012 10:42:27 PM

5GHz bands

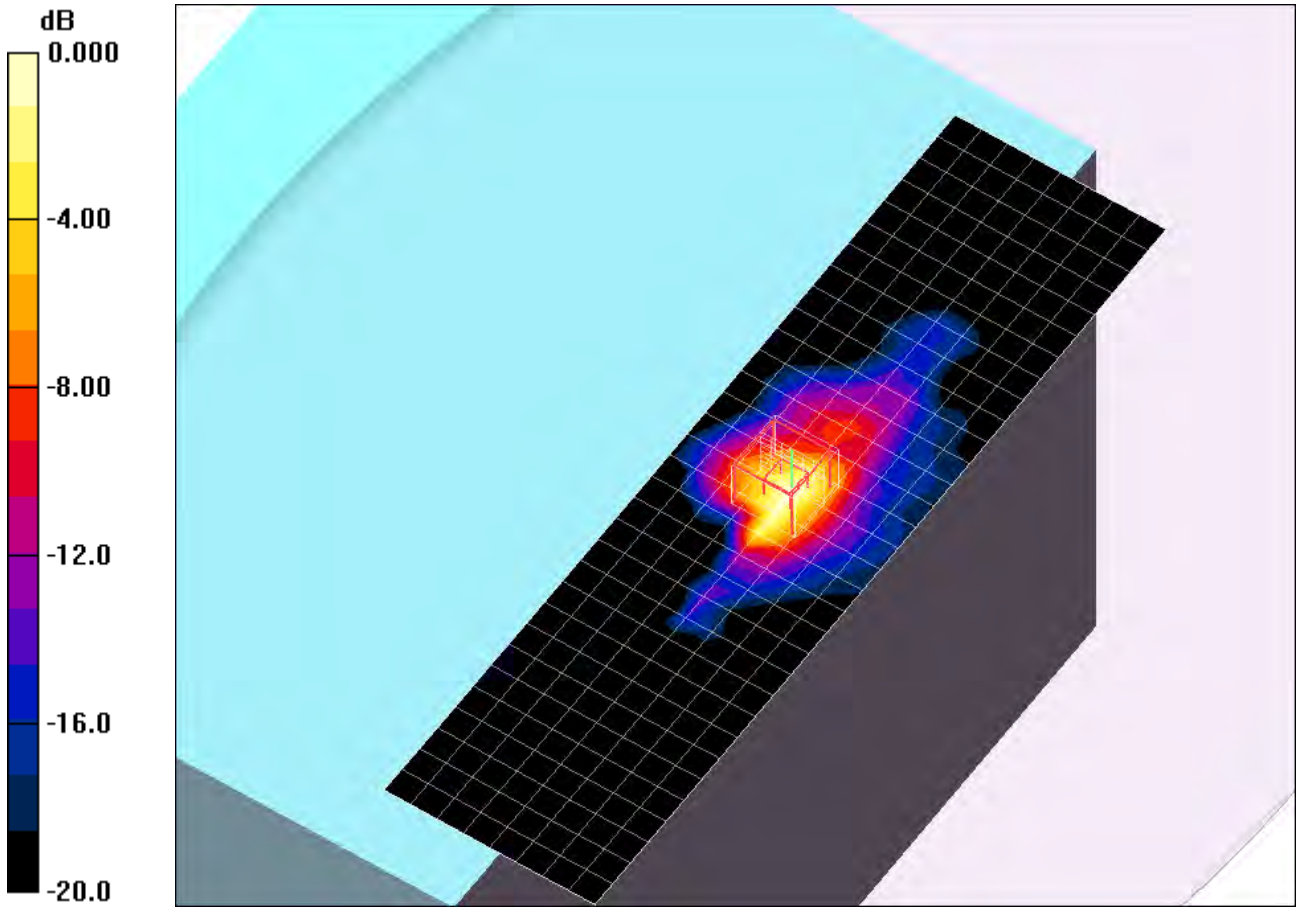
Frequency: 5620 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5620 MHz; σ = 5.76 mho/m; ε_r = 49; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.57, 3.57, 3.57); 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 124/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.85 mW/g

802.11a ,Chain 1_Ch 124/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 19.0 V/m; Power Drift = 0.012 dB
Peak SAR (extrapolated) = 4.26 W/kg
SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.325 mW/g
Maximum value of SAR (measured) = 1.88 mW/g



0 dB = 1.88mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/14/2012 11:10:35 PM

5GHz bands

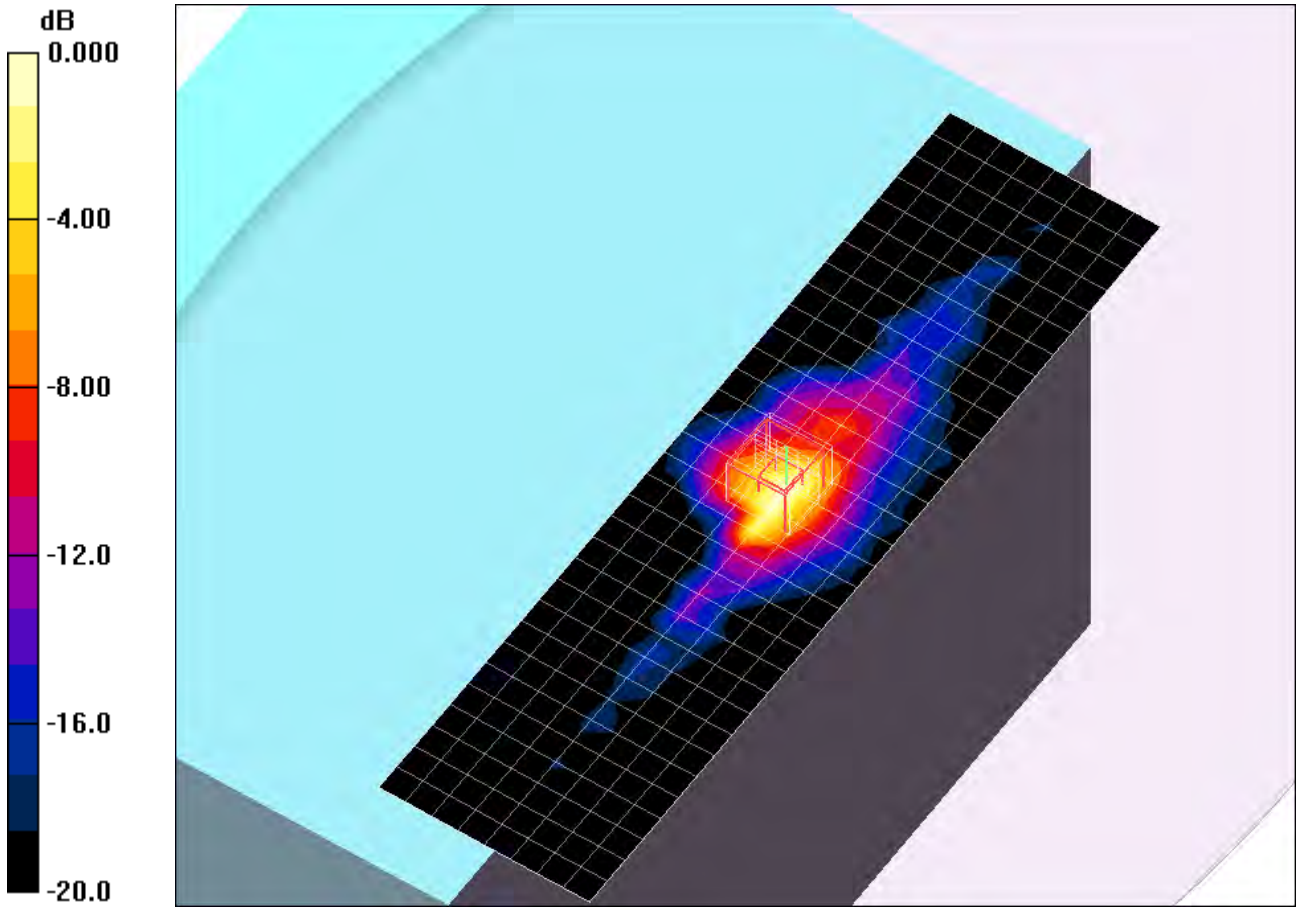
Frequency: 5680 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5680 MHz; σ = 5.86 mho/m; ε_r = 48.9; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.57, 3.57, 3.57); 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 136/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.76 mW/g

802.11a ,Chain 1_Ch 136/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 18.3 V/m; Power Drift = 0.028 dB
Peak SAR (extrapolated) = 4.15 W/kg
SAR(1 g) = 0.992 mW/g; SAR(10 g) = 0.308 mW/g
Maximum value of SAR (measured) = 1.80 mW/g



0 dB = 1.80mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/15/2012 2:23:56 AM

5GHz bands

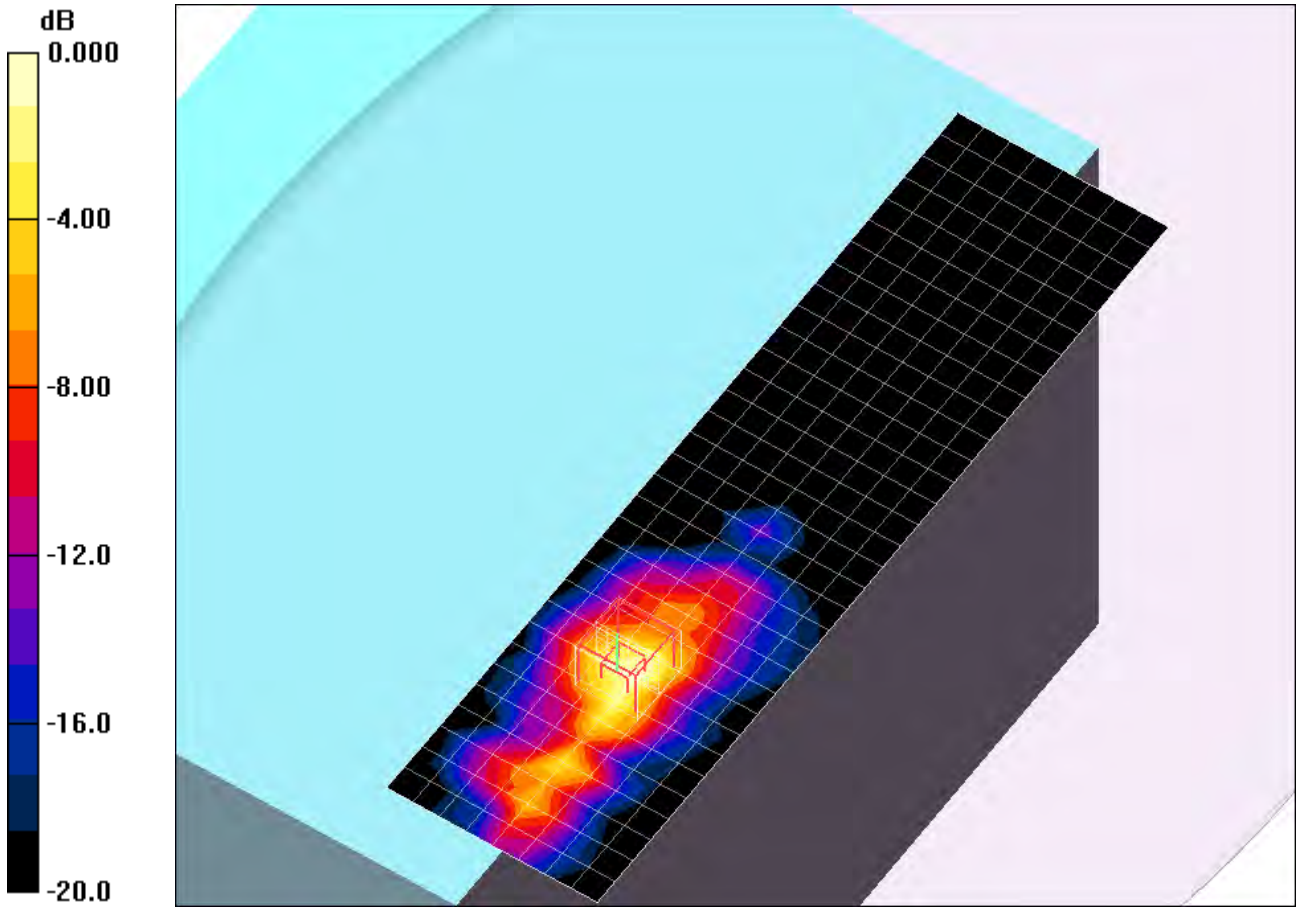
Frequency: 5520 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5520 MHz; σ = 5.63 mho/m; ε_r = 49.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.72, 3.72, 3.72); 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 104/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.77 mW/g

802.11a ,Chain 2_Ch 104/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 17.6 V/m; Power Drift = 0.095 dB
Peak SAR (extrapolated) = 4.54 W/kg
SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.360 mW/g
Maximum value of SAR (measured) = 1.94 mW/g



0 dB = 1.94mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/15/2012 2:54:05 AM

5GHz bands

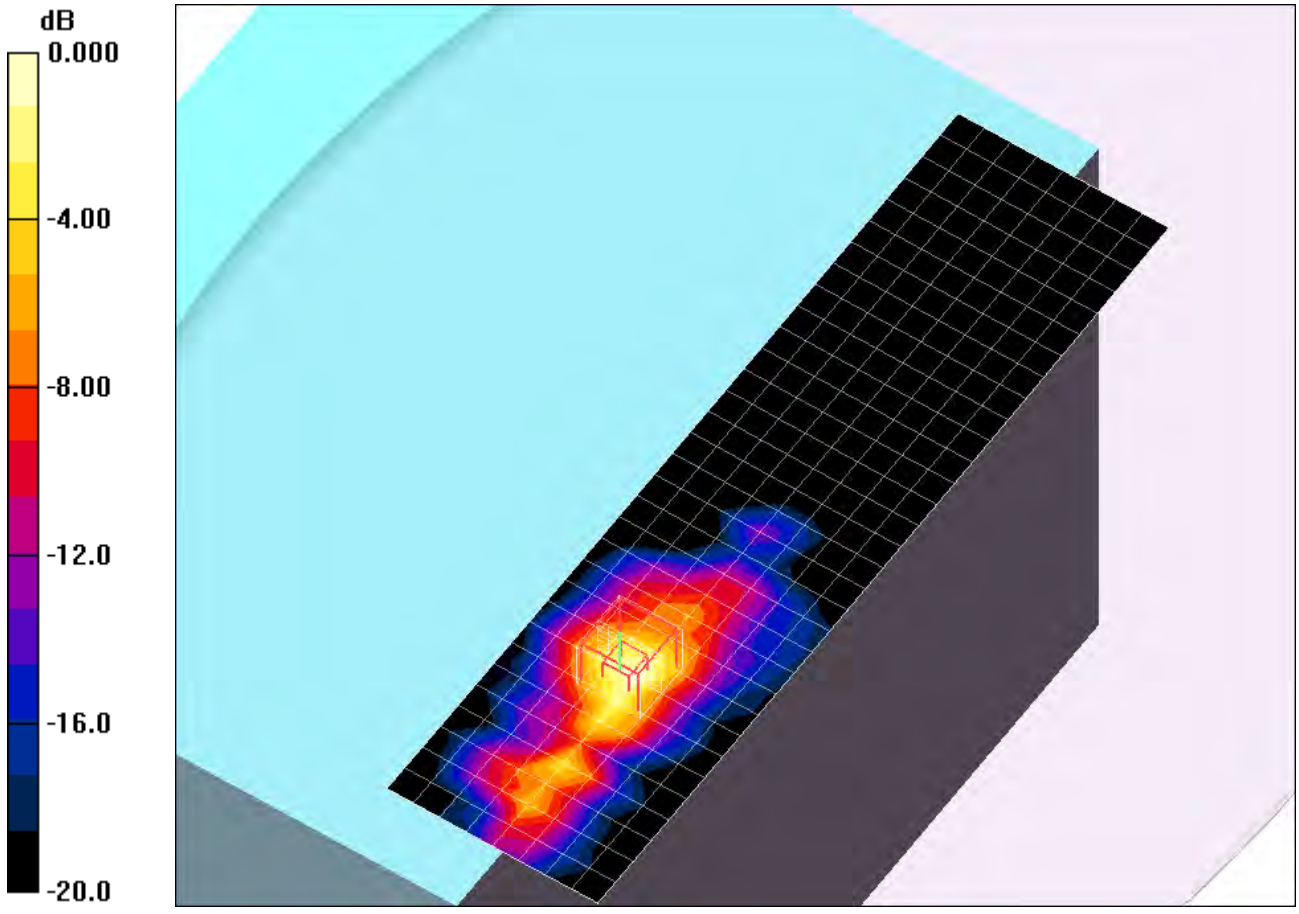
Frequency: 5580 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5580 MHz; σ = 5.72 mho/m; ε_r = 49.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.57, 3.57, 3.57); 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 116/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.70 mW/g

802.11a ,Chain 2_Ch 116/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 17.1 V/m; Power Drift = 0.021 dB
Peak SAR (extrapolated) = 4.05 W/kg
SAR(1 g) = 1 mW/g; SAR(10 g) = 0.325 mW/g
Maximum value of SAR (measured) = 1.78 mW/g



0 dB = 1.78mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/15/2012 3:52:22 AM

5GHz bands

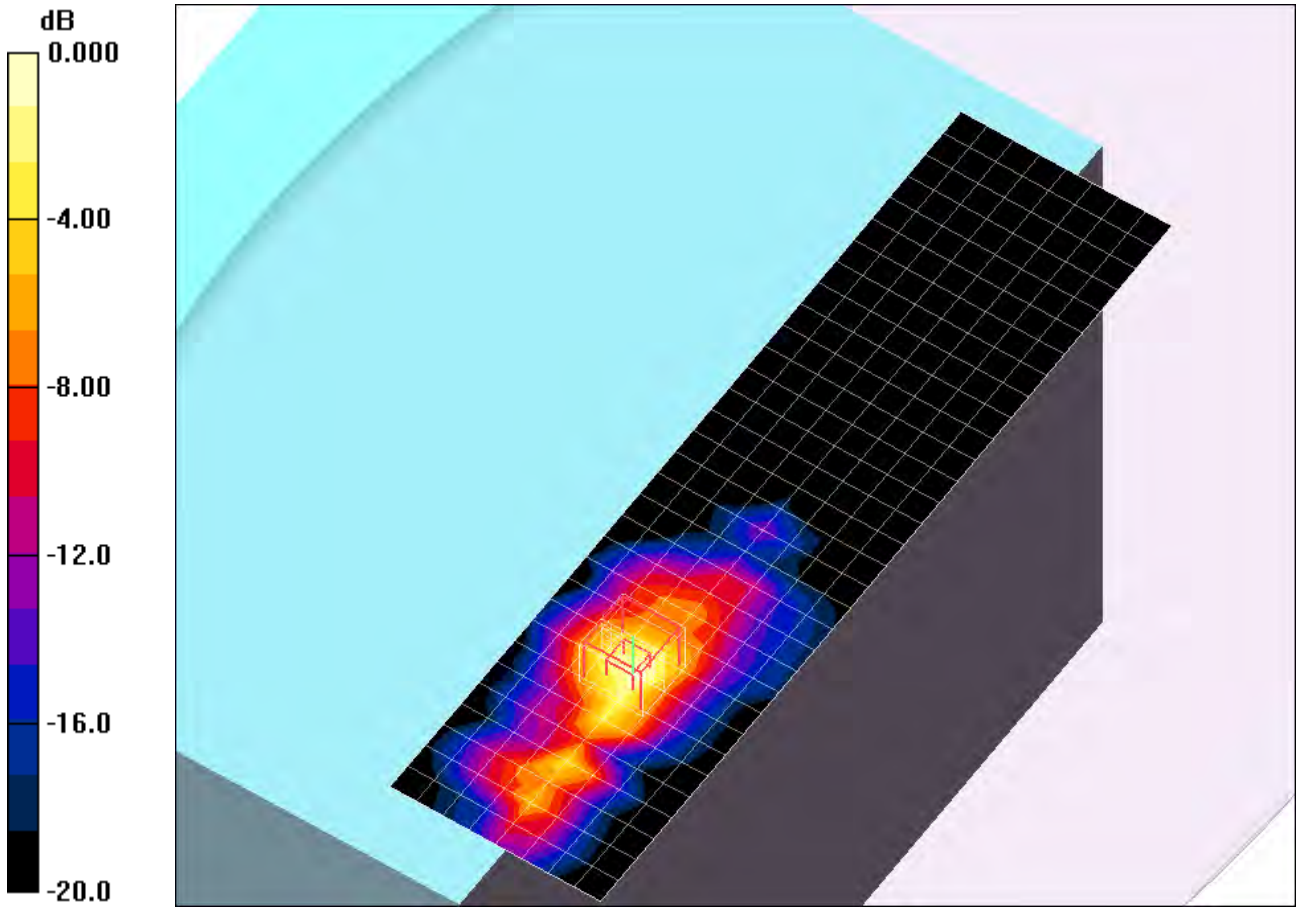
Frequency: 5620 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5620 MHz; σ = 5.76 mho/m; ε_r = 49; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.57, 3.57, 3.57); 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 (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.67 mW/g

802.11a ,Chain 2_Ch 124/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 17.1 V/m; Power Drift = 0.068 dB
Peak SAR (extrapolated) = 4.08 W/kg
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.323 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: 4/15/2012 4:50:24 AM

5GHz bands

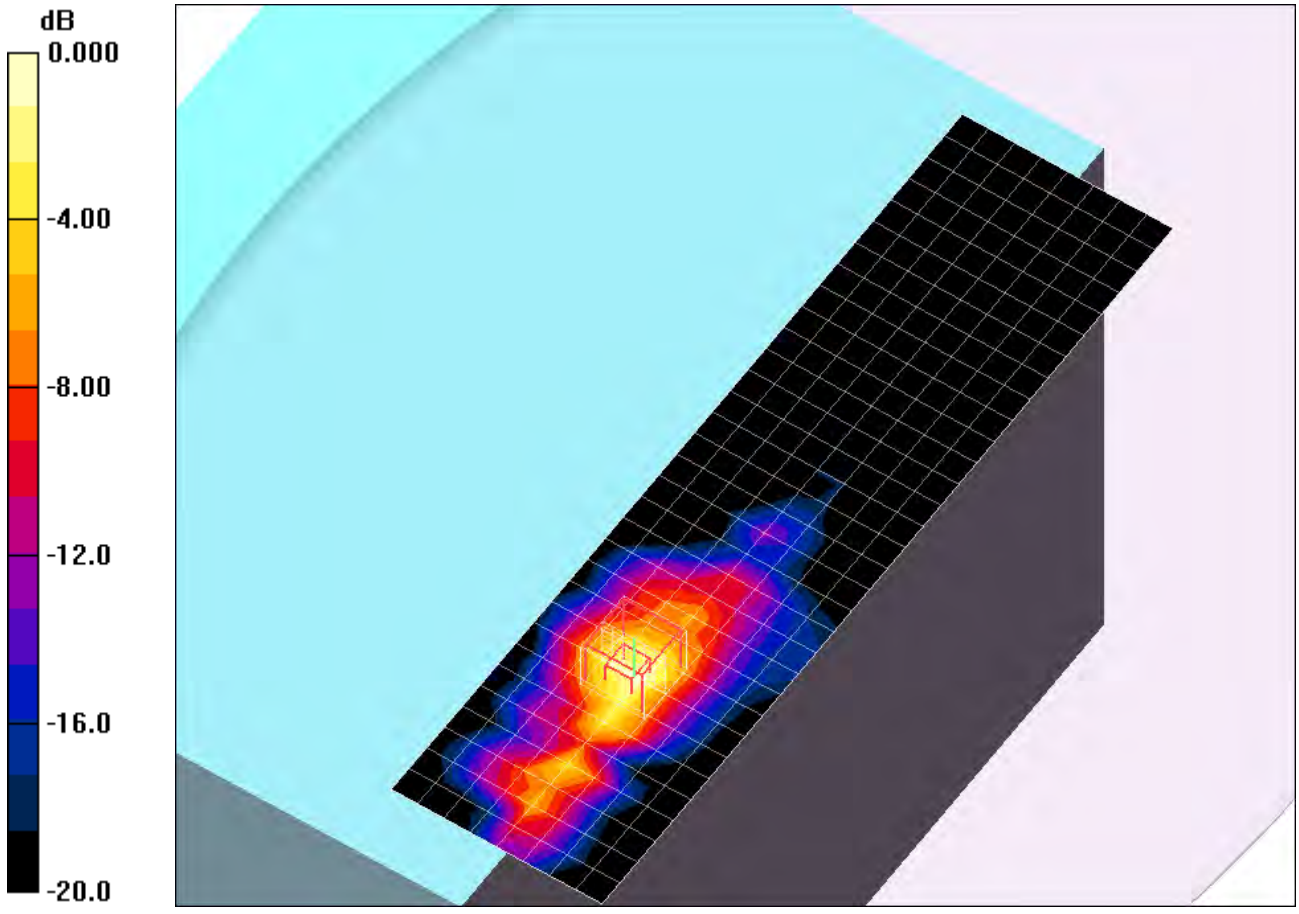
Frequency: 5680 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5680 MHz; σ = 5.86 mho/m; ε_r = 48.9; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.57, 3.57, 3.57); 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 136/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.75 mW/g

802.11a ,Chain 2_Ch 136/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 17.2 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 4.26 W/kg
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.326 mW/g
Maximum value of SAR (measured) = 1.84 mW/g



0 dB = 1.84mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/15/2012 5:24:51 AM

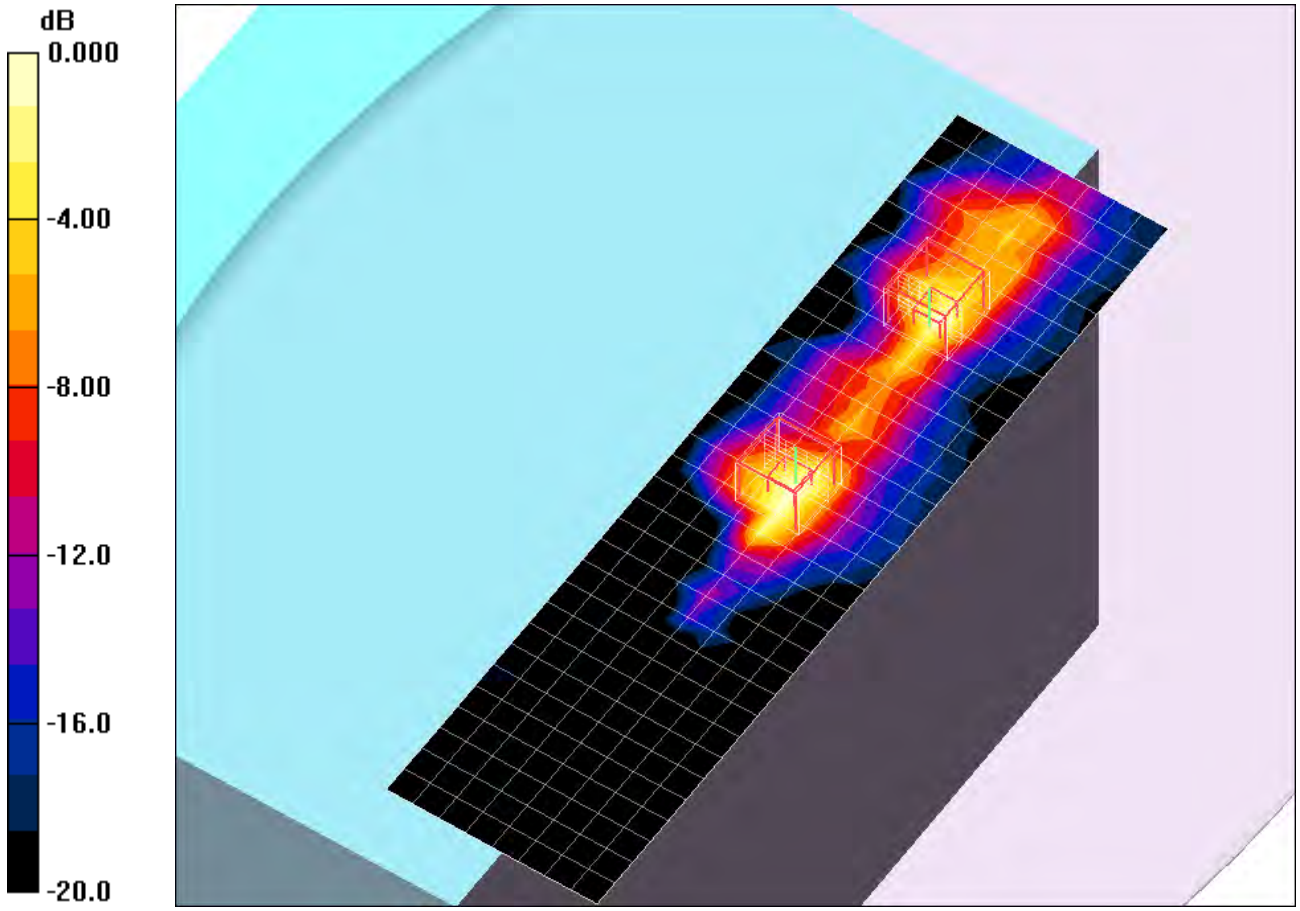
5GHz bands

Frequency: 5520 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5520 MHz; σ = 5.63 mho/m; ε_r = 49.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.72, 3.72, 3.72); 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, 1_Ch 104/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.01 mW/g

802.11a ,Chain 0_Ch 104/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.1 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 2.19 W/kg
SAR(1 g) = 0.490 mW/g; SAR(10 g) = 0.144 mW/g
Maximum value of SAR (measured) = 0.958 mW/g

802.11a ,Chain 1_Ch 104/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.1 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 2.28 W/kg
SAR(1 g) = 0.569 mW/g; SAR(10 g) = 0.174 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: 4/15/2012 6:15:31 AM

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 = 5.74 mho/m; ε_r = 49; 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 0, 1_Ch 120/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

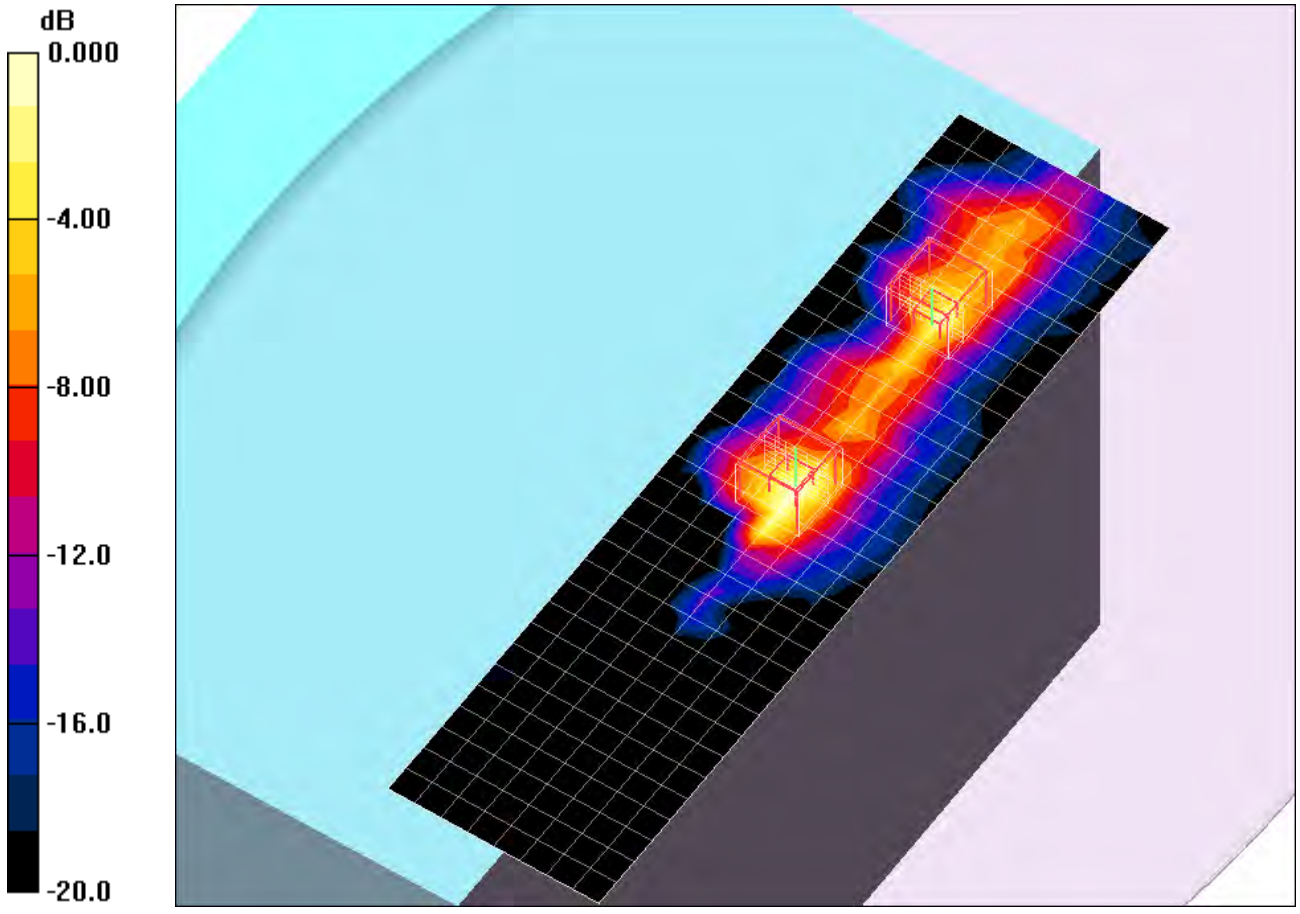
Maximum value of SAR (measured) = 0.962 mW/g

802.11a ,Chain 0_Ch 120/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 13.9 V/m; Power Drift = 0.083 dB
Peak SAR (extrapolated) = 1.83 W/kg
SAR(1 g) = 0.380 mW/g; SAR(10 g) = 0.109 mW/g
Maximum value of SAR (measured) = 0.772 mW/g

802.11a ,Chain 1_Ch 120/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 13.9 V/m; Power Drift = 0.083 dB
Peak SAR (extrapolated) = 2.12 W/kg
SAR(1 g) = 0.537 mW/g; SAR(10 g) = 0.162 mW/g
Maximum value of SAR (measured) = 0.983 mW/g



0 dB = 0.983mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/15/2012 7:00:30 AM

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 = 5.76 mho/m; ε_r = 49; 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 0, 1_Ch 124/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

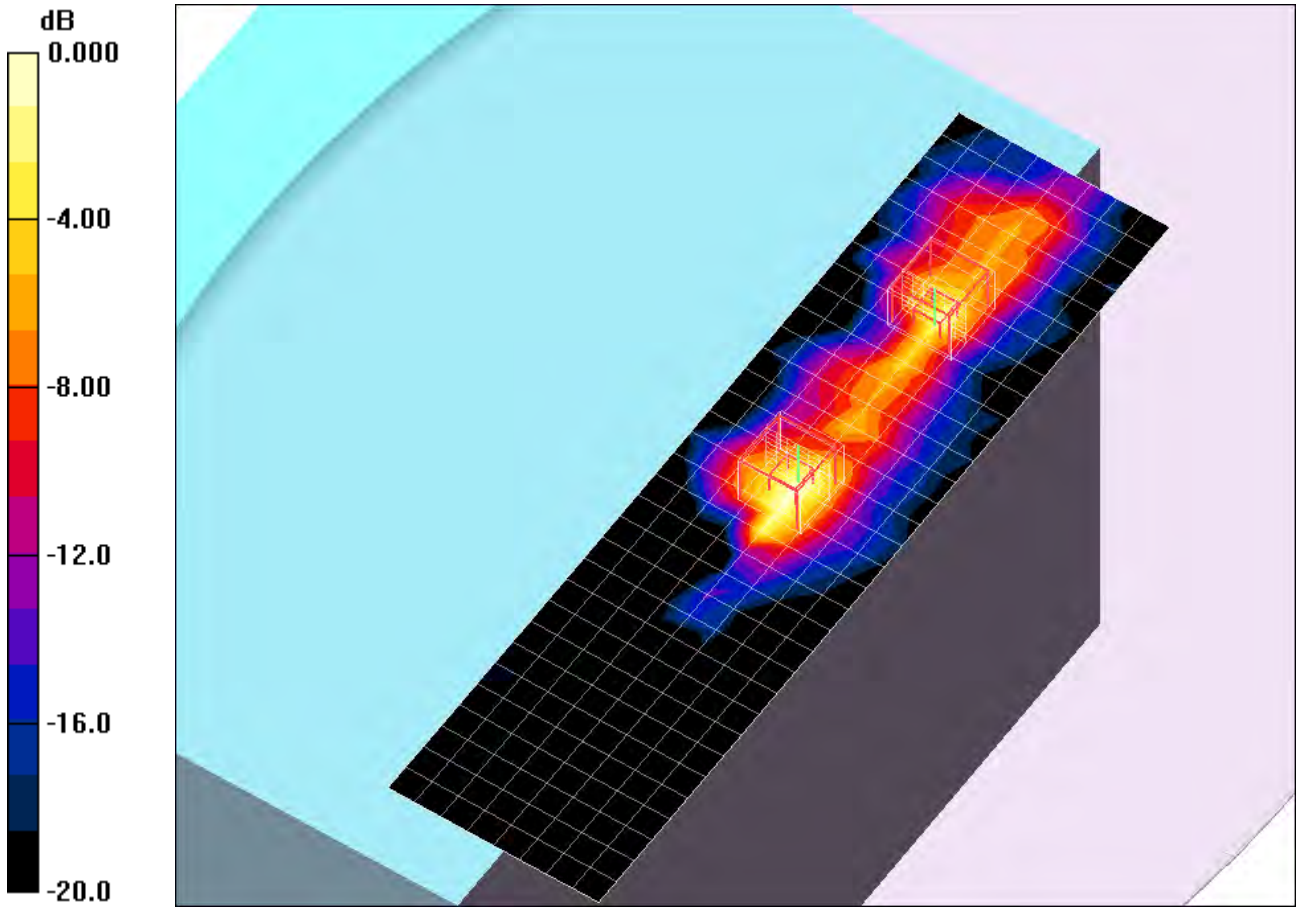
Maximum value of SAR (measured) = 0.941 mW/g

802.11a ,Chain 0_Ch 124/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 13.7 V/m; Power Drift = 0.040 dB
Peak SAR (extrapolated) = 1.67 W/kg
SAR(1 g) = 0.361 mW/g; SAR(10 g) = 0.102 mW/g
Maximum value of SAR (measured) = 0.678 mW/g

802.11a ,Chain 1_Ch 124/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 13.7 V/m; Power Drift = 0.040 dB
Peak SAR (extrapolated) = 2.16 W/kg
SAR(1 g) = 0.525 mW/g; SAR(10 g) = 0.160 mW/g
Maximum value of SAR (measured) = 0.958 mW/g



0 dB = 0.958mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/15/2012 7:43:51 AM

5GHz bands

Frequency: 5680 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5680 MHz; σ = 5.86 mho/m; ε_r = 48.9; 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 0, 1_Ch 136/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

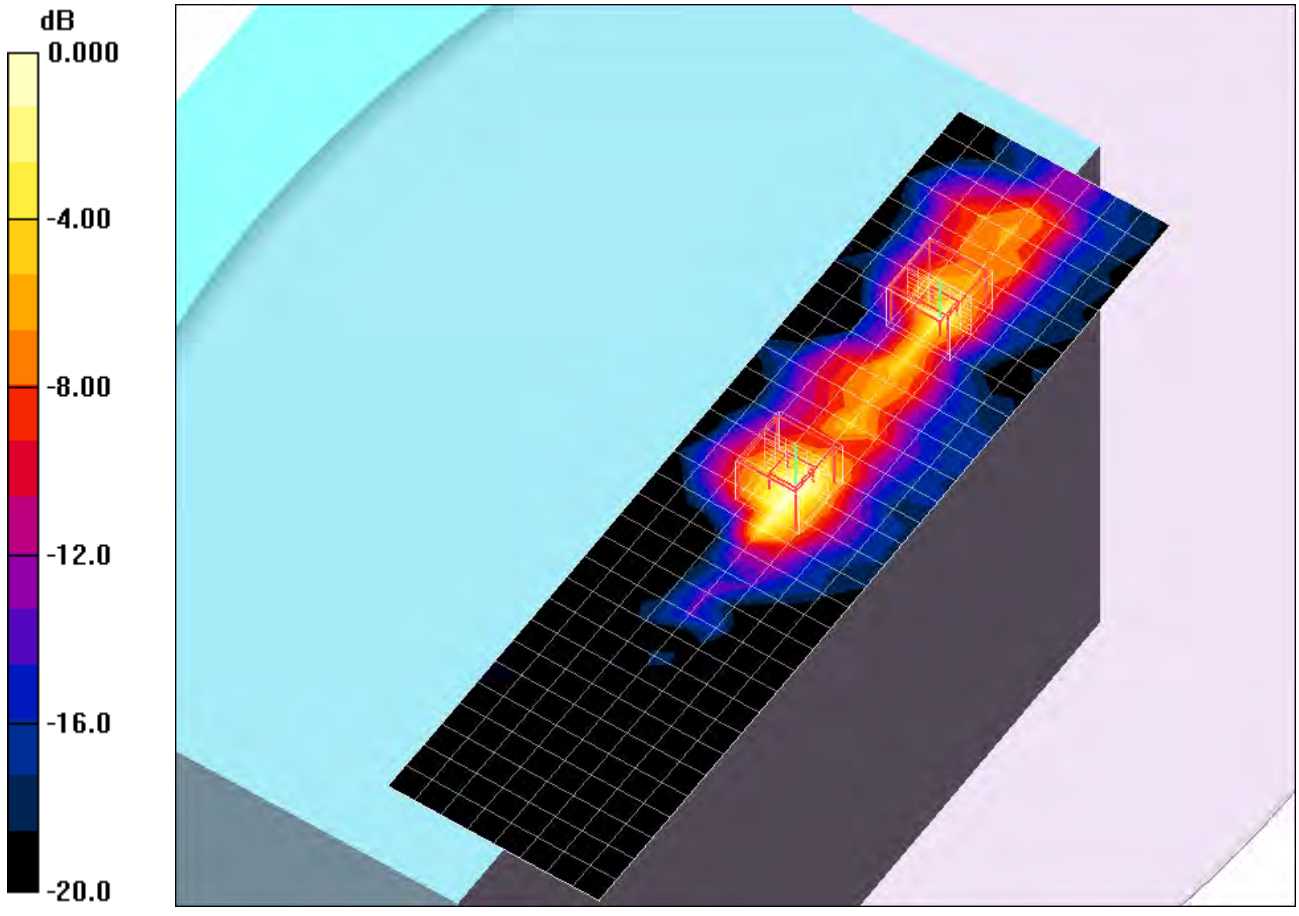
Maximum value of SAR (measured) = 0.900 mW/g

802.11a ,Chain 0_Ch 136/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 13.5 V/m; Power Drift = -0.030 dB
Peak SAR (extrapolated) = 2.28 W/kg
SAR(1 g) = 0.322 mW/g; SAR(10 g) = 0.088 mW/g
Maximum value of SAR (measured) = 0.597 mW/g

802.11a ,Chain 1_Ch 136/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 13.5 V/m; Power Drift = -0.030 dB
Peak SAR (extrapolated) = 2.12 W/kg
SAR(1 g) = 0.497 mW/g; SAR(10 g) = 0.147 mW/g
Maximum value of SAR (measured) = 0.924 mW/g



0 dB = 0.924mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/16/2012 2:03:45 PM

5GHz bands

Frequency: 5520 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5520 MHz; σ = 5.49 mho/m; ε_r = 50.3; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.72, 3.72, 3.72); 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 0,2_Ch 104/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

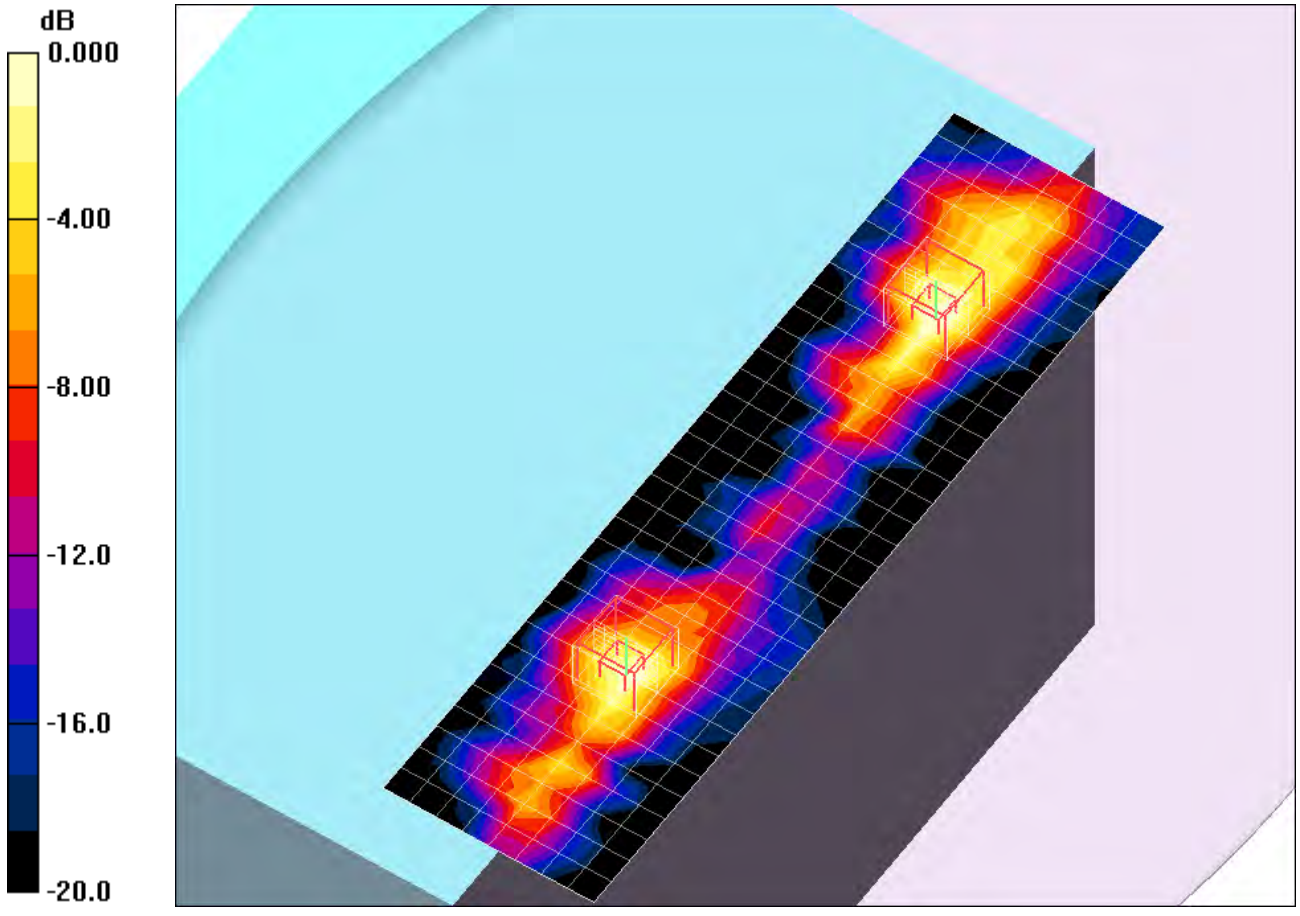
Maximum value of SAR (measured) = 1.01 mW/g

802.11a,Chain 0_Ch 104/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.82 V/m; Power Drift = -0.180 dB
Peak SAR (extrapolated) = 1.95 W/kg
SAR(1 g) = 0.520 mW/g; SAR(10 g) = 0.152 mW/g
Maximum value of SAR (measured) = 0.988 mW/g

802.11a,Chain 2_Ch 104/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.82 V/m; Power Drift = -0.180 dB
Peak SAR (extrapolated) = 1.46 W/kg
SAR(1 g) = 0.372 mW/g; SAR(10 g) = 0.121 mW/g
Maximum value of SAR (measured) = 0.676 mW/g



0 dB = 0.676mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/16/2012 11:25:13 AM

5GHz bands

Frequency: 5560 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5560 MHz; σ = 5.55 mho/m; ε_r = 50.2; 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 0,2_Ch 112/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

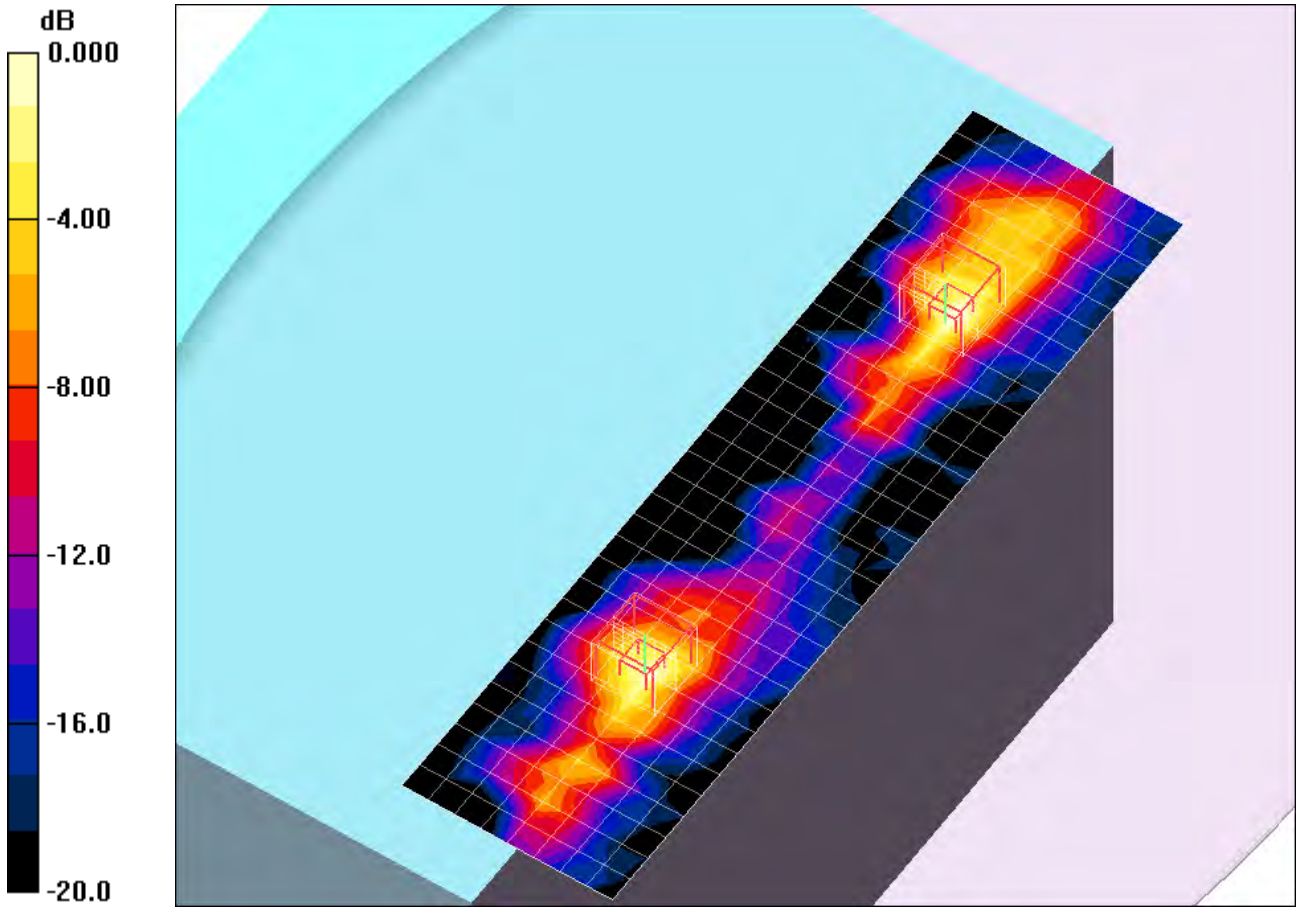
Maximum value of SAR (measured) = 0.804 mW/g

802.11a,Chain 0_Ch 112/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 13.0 V/m; Power Drift = 0.041 dB
Peak SAR (extrapolated) = 2.30 W/kg
SAR(1 g) = 0.525 mW/g; SAR(10 g) = 0.155 mW/g
Maximum value of SAR (measured) = 1.05 mW/g

802.11a,Chain 2_Ch 112/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 13.0 V/m; Power Drift = 0.041 dB
Peak SAR (extrapolated) = 1.50 W/kg
SAR(1 g) = 0.376 mW/g; SAR(10 g) = 0.123 mW/g
Maximum value of SAR (measured) = 0.692 mW/g



0 dB = 0.692mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/16/2012 12:39:01 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 = 5.64 mho/m; ε_r = 50.2; 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 0,2_Ch 124/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

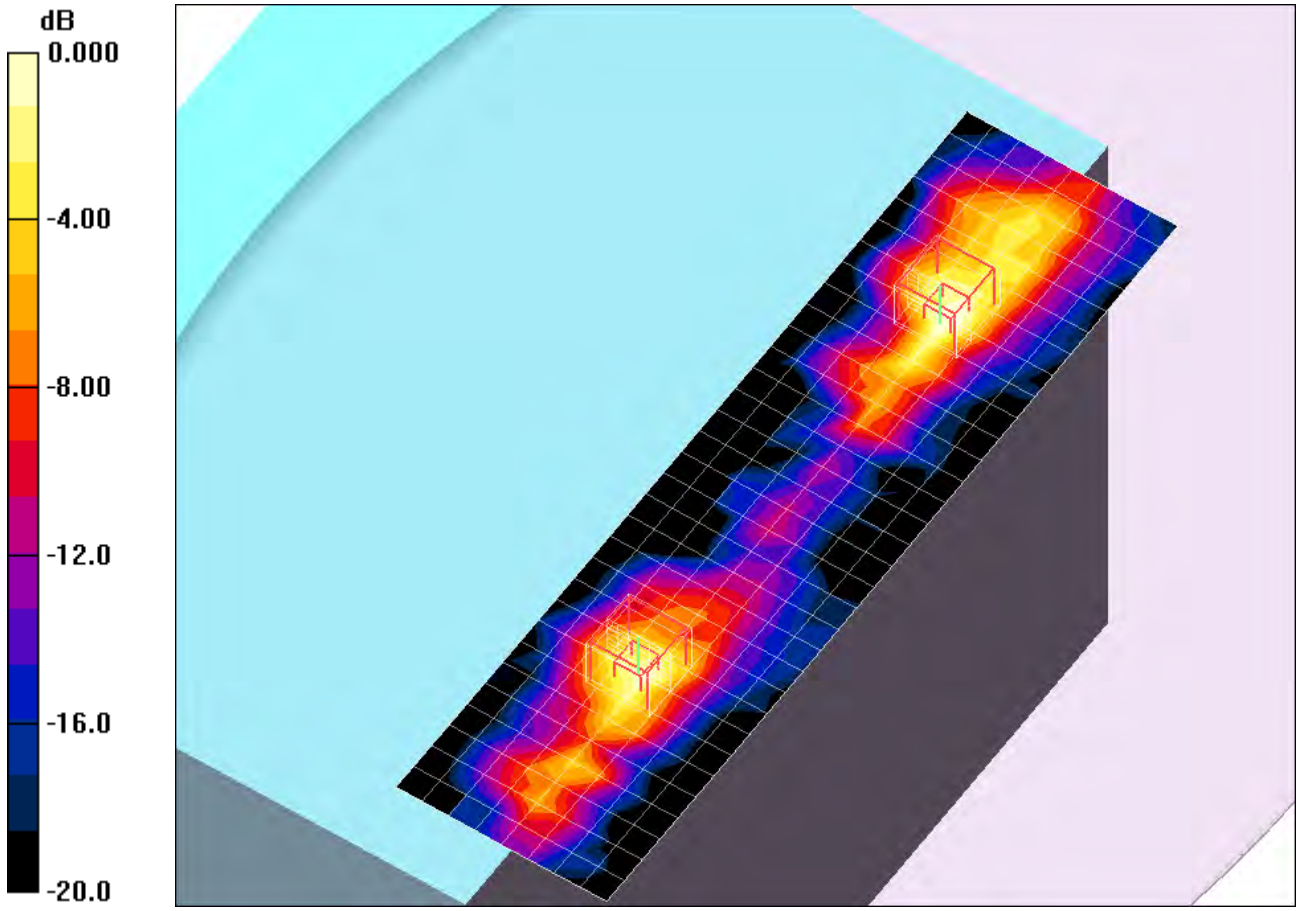
Maximum value of SAR (measured) = 1.09 mW/g

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 = 0.067 dB
Peak SAR (extrapolated) = 2.48 W/kg
SAR(1 g) = 0.548 mW/g; SAR(10 g) = 0.162 mW/g

802.11a,Chain 2_Ch 124/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 14.7 V/m; Power Drift = 0.067 dB
Peak SAR (extrapolated) = 1.58 W/kg
SAR(1 g) = 0.386 mW/g; SAR(10 g) = 0.124 mW/g
Maximum value of SAR (measured) = 0.750 mW/g



0 dB = 0.750mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/16/2012 1:22:42 PM

5GHz bands

Frequency: 5680 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5680 MHz; σ = 5.72 mho/m; ε_r = 50.1; 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 0,2_Ch 136/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

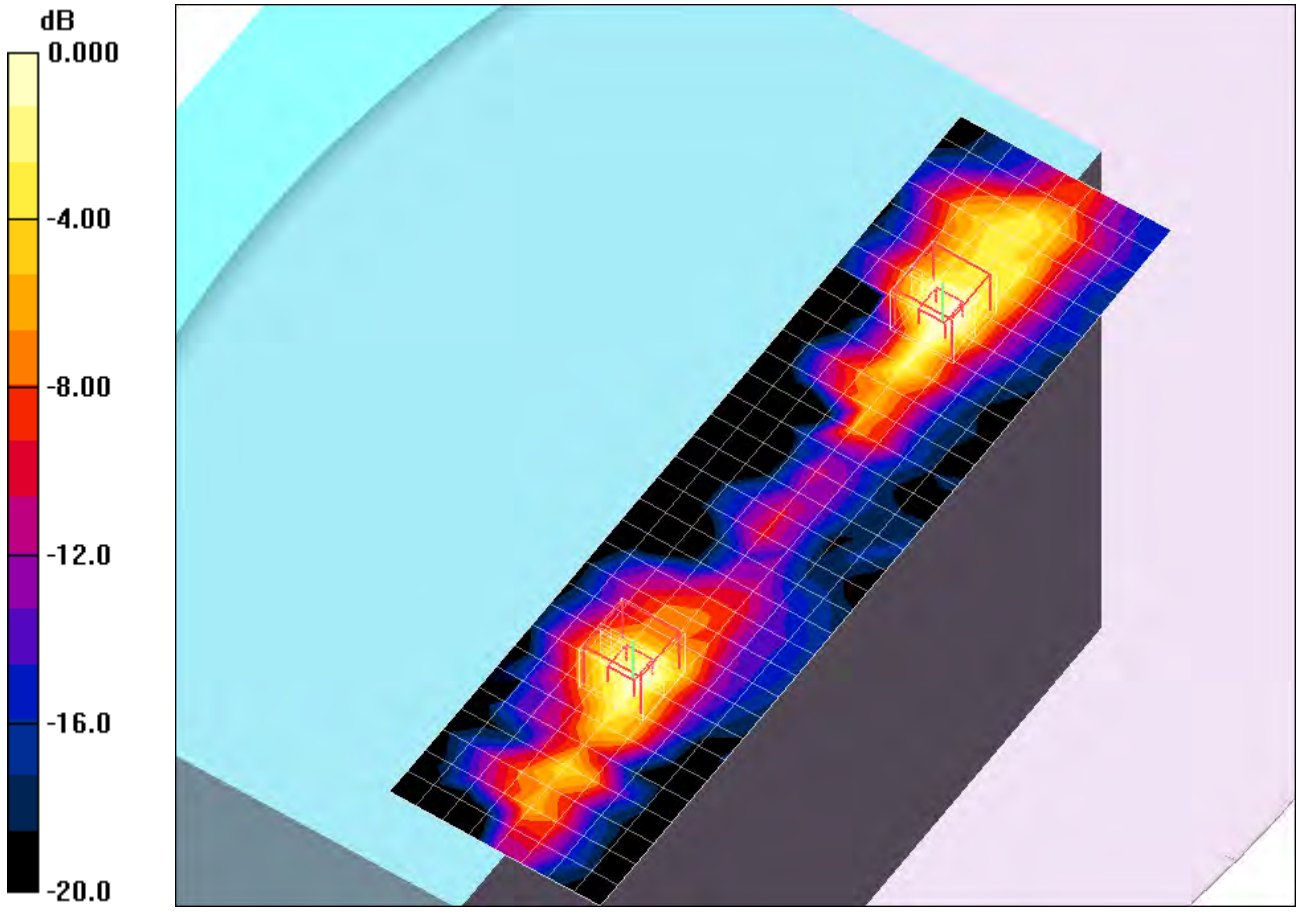
Maximum value of SAR (measured) = 1.14 mW/g

802.11a,Chain 0_Ch 136/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 15.0 V/m; Power Drift = 0.194 dB
Peak SAR (extrapolated) = 2.39 W/kg
SAR(1 g) = 0.568 mW/g; SAR(10 g) = 0.165 mW/g
Maximum value of SAR (measured) = 1.06 mW/g

802.11a,Chain 2_Ch 136/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 15.0 V/m; Power Drift = 0.194 dB
Peak SAR (extrapolated) = 1.57 W/kg
SAR(1 g) = 0.403 mW/g; SAR(10 g) = 0.131 mW/g
Maximum value of SAR (measured) = 0.728 mW/g



0 dB = 0.728mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/16/2012 3:45:37 PM

5GHz bands

Frequency: 5520 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5520 MHz; σ = 5.49 mho/m; ε_r = 50.3; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.72, 3.72, 3.72); 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 1,2_Ch 104/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

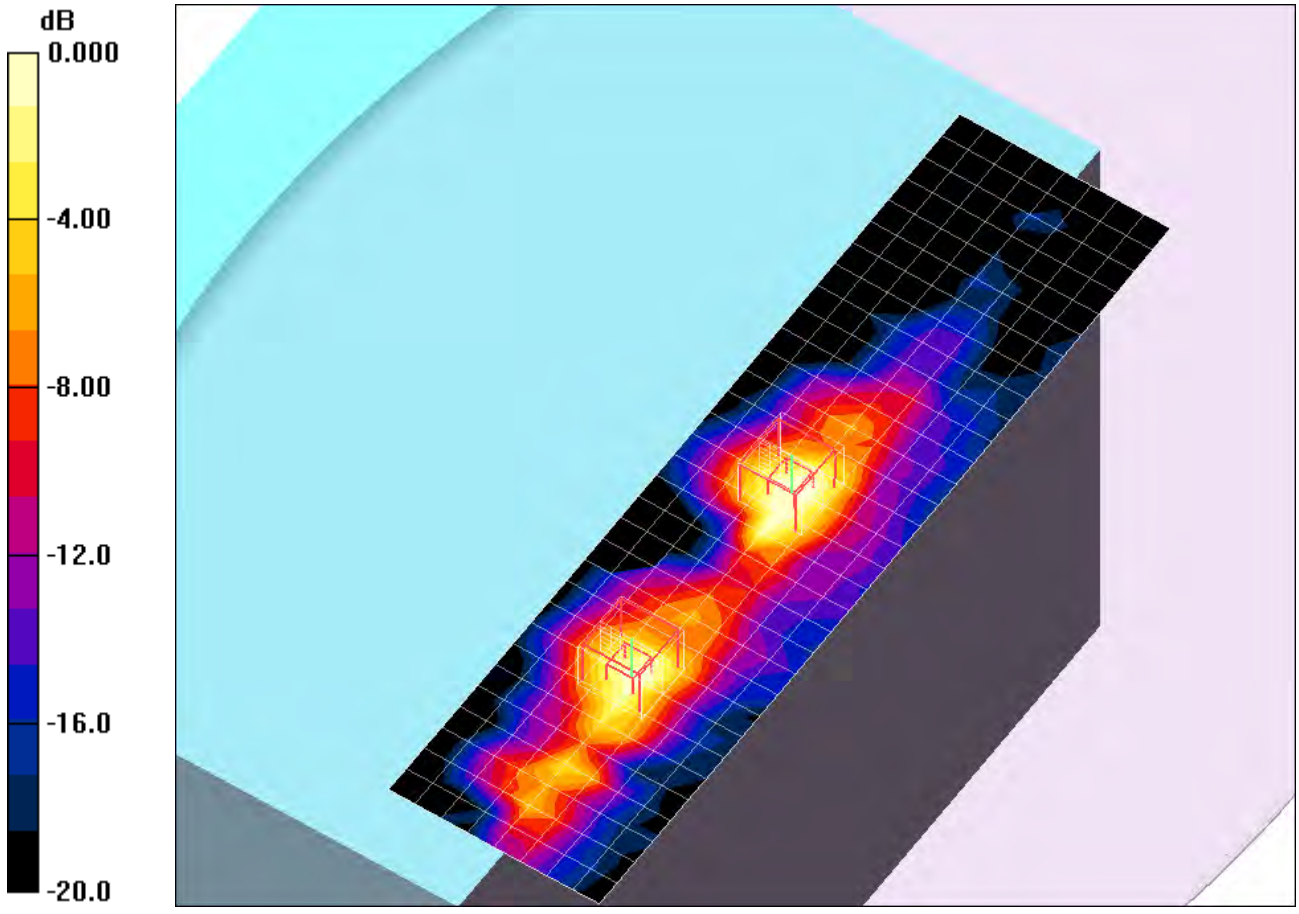
Maximum value of SAR (measured) = 1.08 mW/g

802.11a,Chain 1_Ch 104/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 14.3 V/m; Power Drift = 0.074 dB
Peak SAR (extrapolated) = 2.18 W/kg
SAR(1 g) = 0.559 mW/g; SAR(10 g) = 0.176 mW/g
Maximum value of SAR (measured) = 1.01 mW/g

802.11a,Chain 2_Ch 104/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 14.3 V/m; Power Drift = 0.074 dB
Peak SAR (extrapolated) = 1.64 W/kg
SAR(1 g) = 0.398 mW/g; SAR(10 g) = 0.131 mW/g
Maximum value of SAR (measured) = 0.704 mW/g



0 dB = 0.704mW/g

5GHz bands

Frequency: 5560 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5560 MHz; σ = 5.55 mho/m; ε_r = 50.2; 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 1,2_Ch 112/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

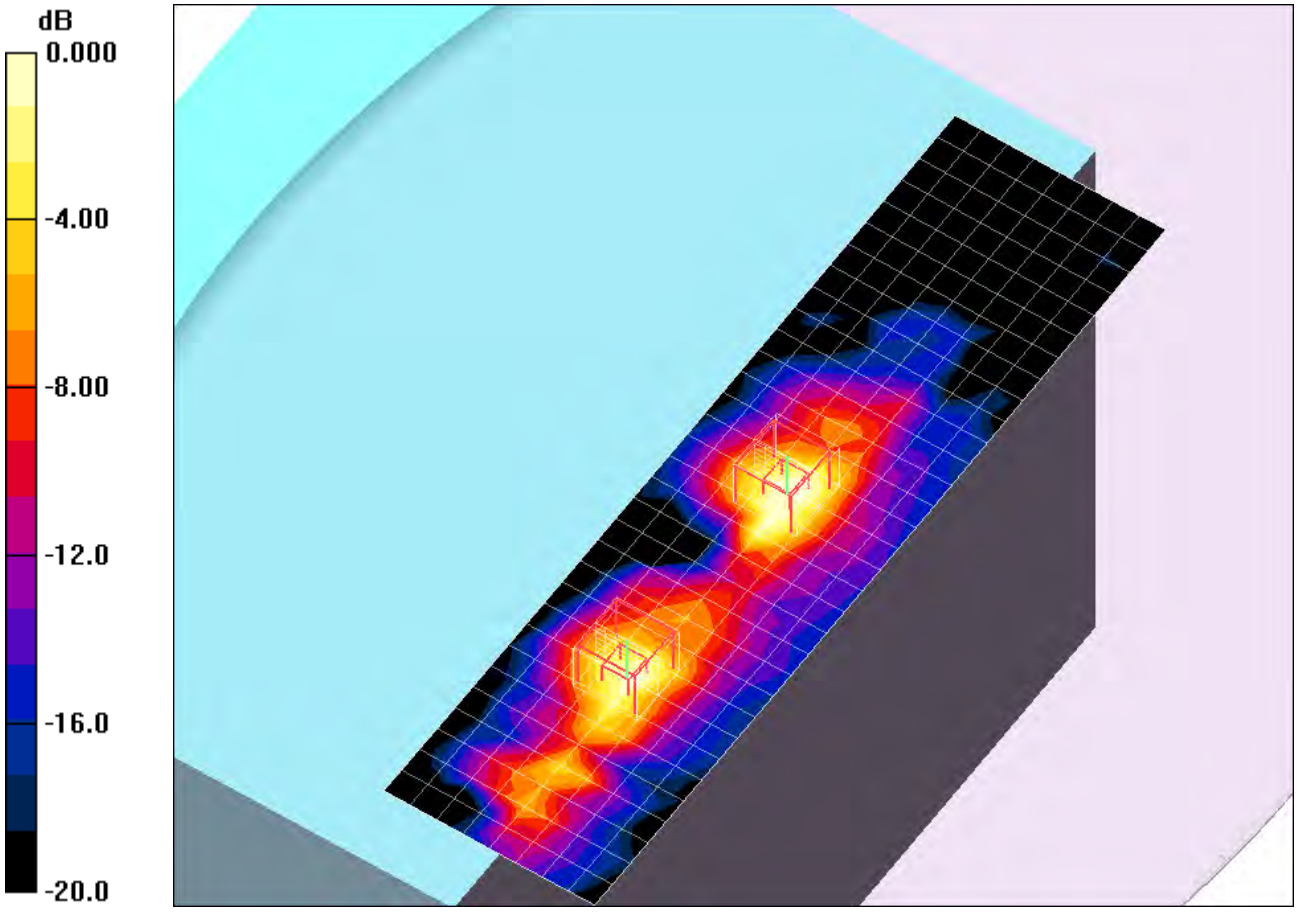
Maximum value of SAR (measured) = 1.08 mW/g

802.11a,Chain 1_Ch 112/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 14.5 V/m; Power Drift = 0.043 dB
Peak SAR (extrapolated) = 2.25 W/kg
SAR(1 g) = 0.577 mW/g; SAR(10 g) = 0.182 mW/g
Maximum value of SAR (measured) = 1.03 mW/g

802.11a,Chain 2_Ch 112/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 14.5 V/m; Power Drift = 0.043 dB
Peak SAR (extrapolated) = 1.59 W/kg
SAR(1 g) = 0.399 mW/g; SAR(10 g) = 0.131 mW/g
Maximum value of SAR (measured) = 0.738 mW/g



0 dB = 0.738mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/16/2012 6:20:22 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 = 5.64 mho/m; ε_r = 50.2; 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 1,2_Ch 124/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

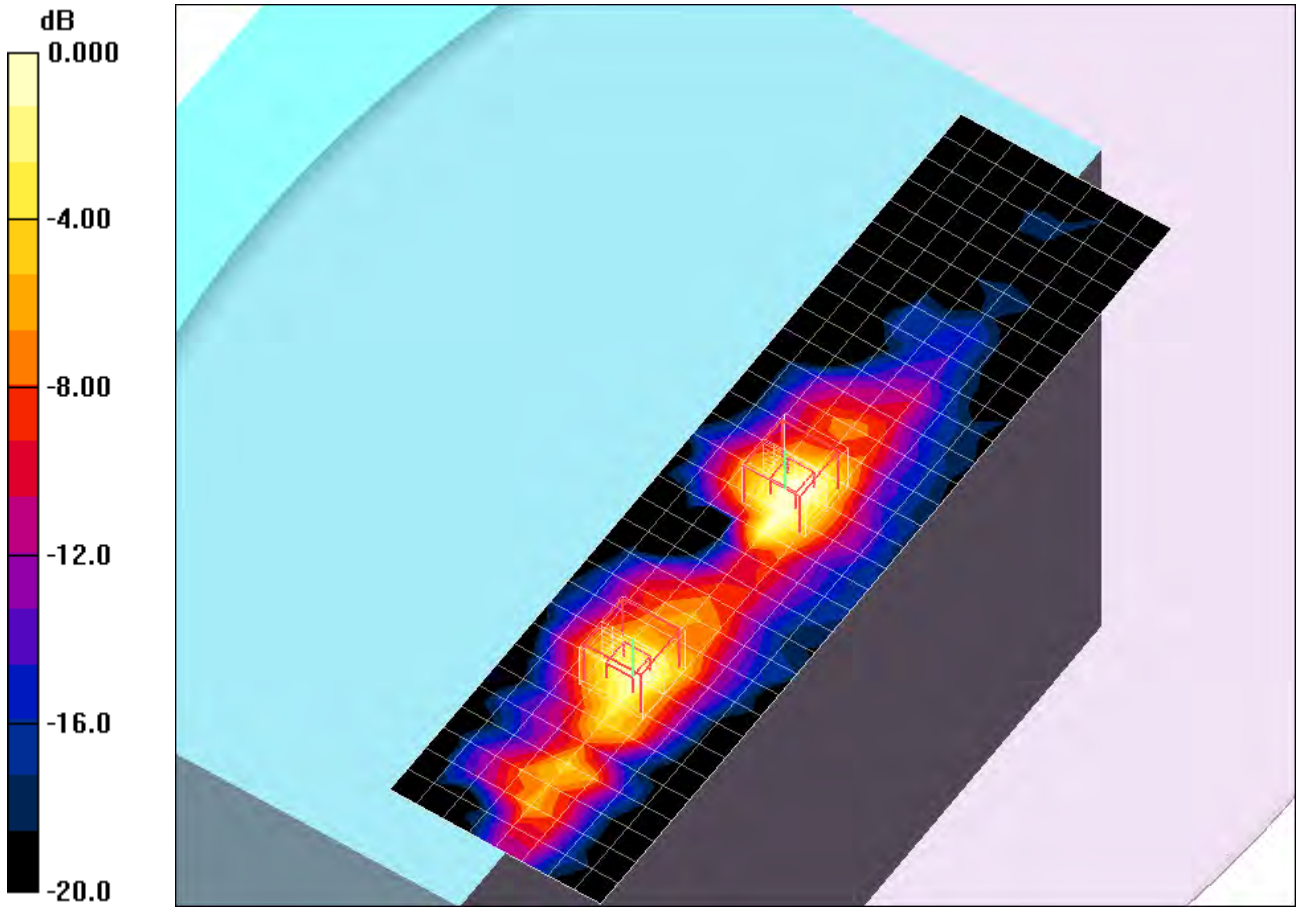
Maximum value of SAR (measured) = 1.08 mW/g

802.11a,Chain 1_Ch 124/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 14.1 V/m; Power Drift = 0.065 dB
Peak SAR (extrapolated) = 2.27 W/kg
SAR(1 g) = 0.560 mW/g; SAR(10 g) = 0.175 mW/g
Maximum value of SAR (measured) = 0.991 mW/g

802.11a,Chain 2_Ch 124/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 14.1 V/m; Power Drift = 0.065 dB
Peak SAR (extrapolated) = 1.71 W/kg
SAR(1 g) = 0.402 mW/g; SAR(10 g) = 0.127 mW/g
Maximum value of SAR (measured) = 0.769 mW/g



0 dB = 0.769mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/16/2012 7:19:40 PM

5GHz bands

Frequency: 5680 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5680 MHz; σ = 5.72 mho/m; ε_r = 50.1; 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 1,2_Ch 136/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

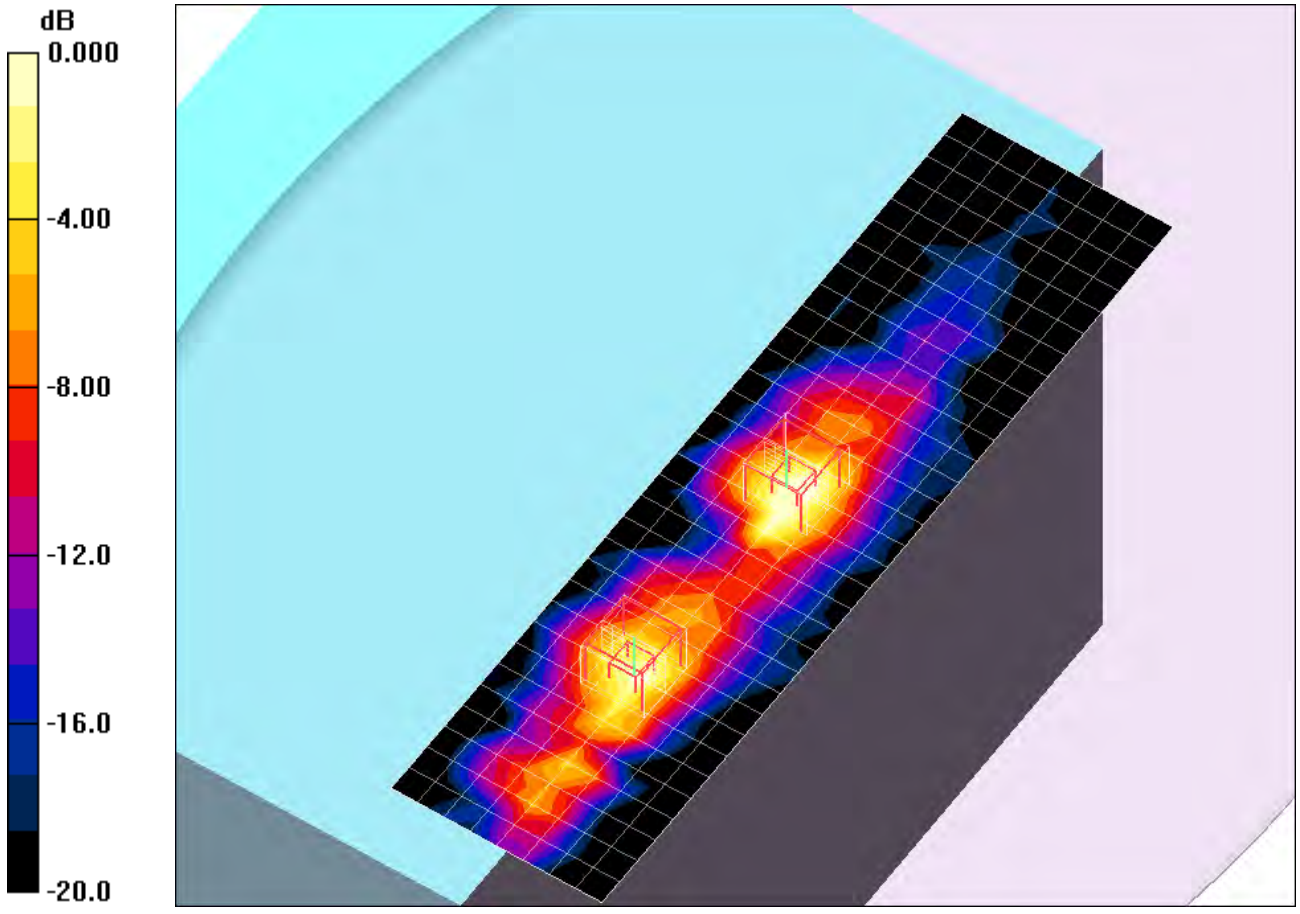
Maximum value of SAR (measured) = 1.10 mW/g

802.11a,Chain 1_Ch 136/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 14.5 V/m; Power Drift = 0.014 dB
Peak SAR (extrapolated) = 2.42 W/kg
SAR(1 g) = 0.578 mW/g; SAR(10 g) = 0.181 mW/g
Maximum value of SAR (measured) = 1.02 mW/g

802.11a,Chain 2_Ch 136/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 14.5 V/m; Power Drift = 0.014 dB
Peak SAR (extrapolated) = 1.65 W/kg
SAR(1 g) = 0.405 mW/g; SAR(10 g) = 0.129 mW/g
Maximum value of SAR (measured) = 0.756 mW/g



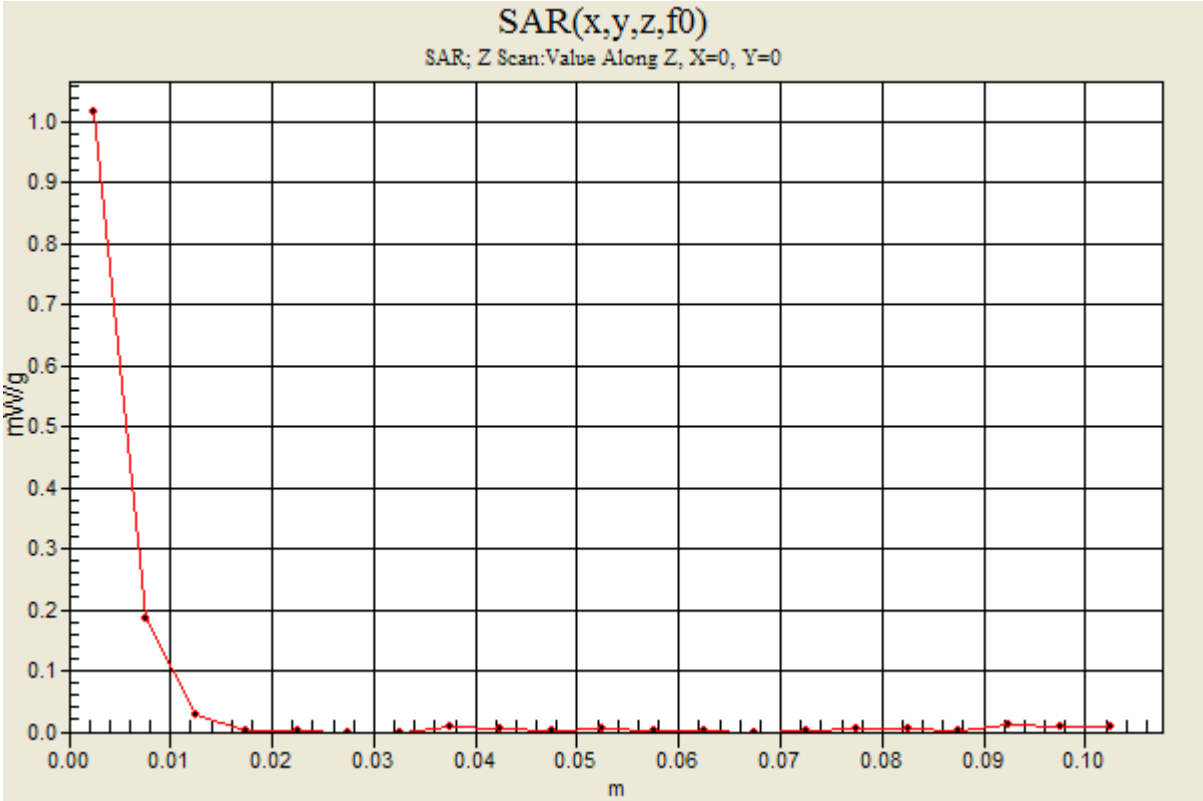
0 dB = 0.756mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/16/2012 8:00:10 PM

5GHz bands

Frequency: 5680 MHz; Duty Cycle: 1:1

802.11a,Chain 1,2_Ch 136/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: 4/16/2012 8:05:38 PM

5GHz bands

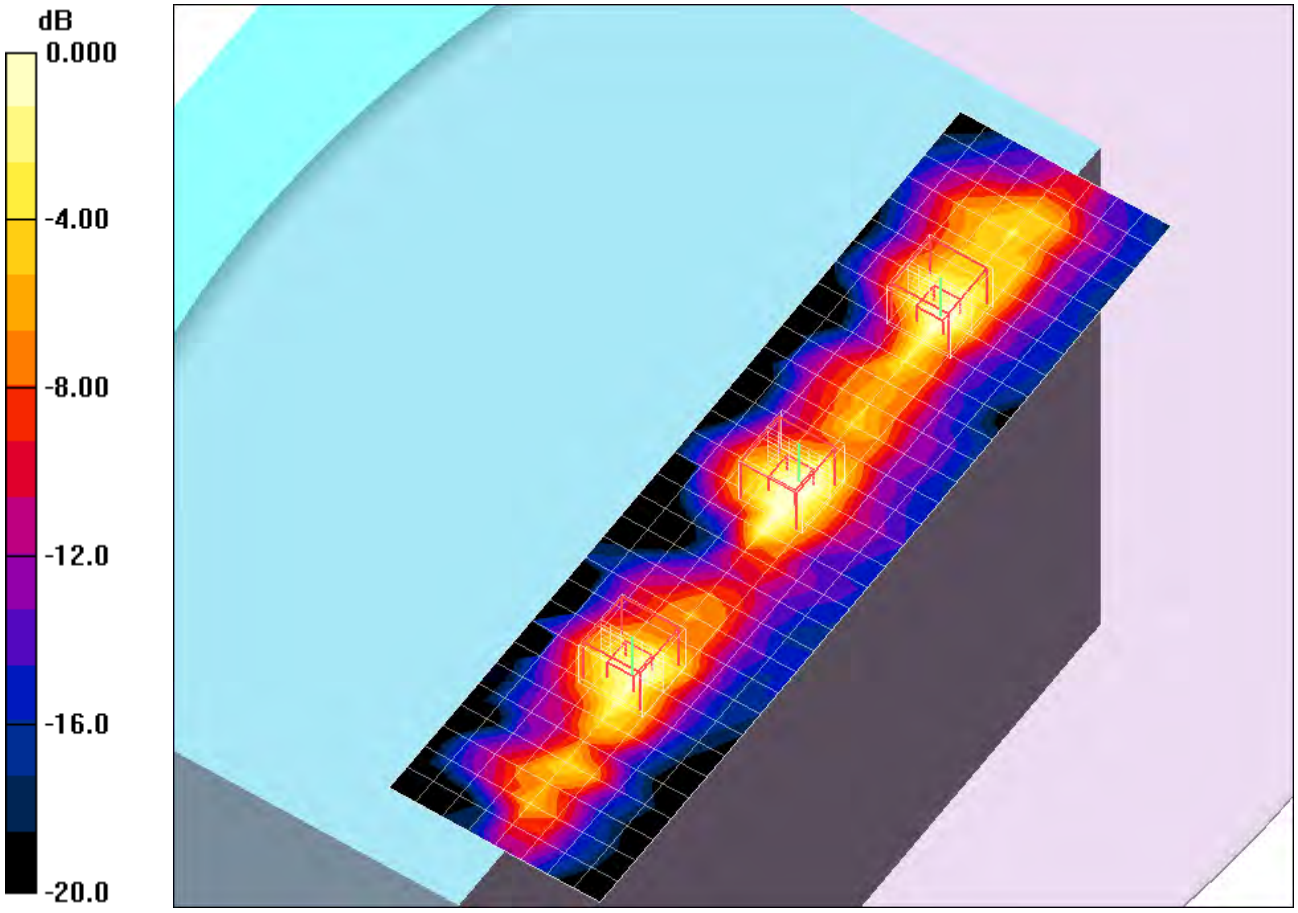
Frequency: 5520 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5520 MHz; σ = 5.49 mho/m; ε_r = 50.3; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.72, 3.72, 3.72); 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 0,1,2_Ch 104/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.04 mW/g

802.11a,Chain 0_Ch 104/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.4 V/m; Power Drift = 0.108 dB
Peak SAR (extrapolated) = 2.21 W/kg
SAR(1 g) = 0.507 mW/g; SAR(10 g) = 0.152 mW/g
Maximum value of SAR (measured) = 0.968 mW/g

802.11a,Chain 1_Ch 104/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.4 V/m; Power Drift = 0.108 dB
Peak SAR (extrapolated) = 2.23 W/kg
SAR(1 g) = 0.559 mW/g; SAR(10 g) = 0.177 mW/g
Maximum value of SAR (measured) = 1.01 mW/g

802.11a,Chain 2_Ch 104/Zoom Scan (7x7x9)/Cube 2: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.4 V/m; Power Drift = 0.108 dB
Peak SAR (extrapolated) = 1.61 W/kg
SAR(1 g) = 0.415 mW/g; SAR(10 g) = 0.142 mW/g
Maximum value of SAR (measured) = 0.753 mW/g



0 dB = 0.753mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/16/2012 9:58:55 PM

5GHz bands

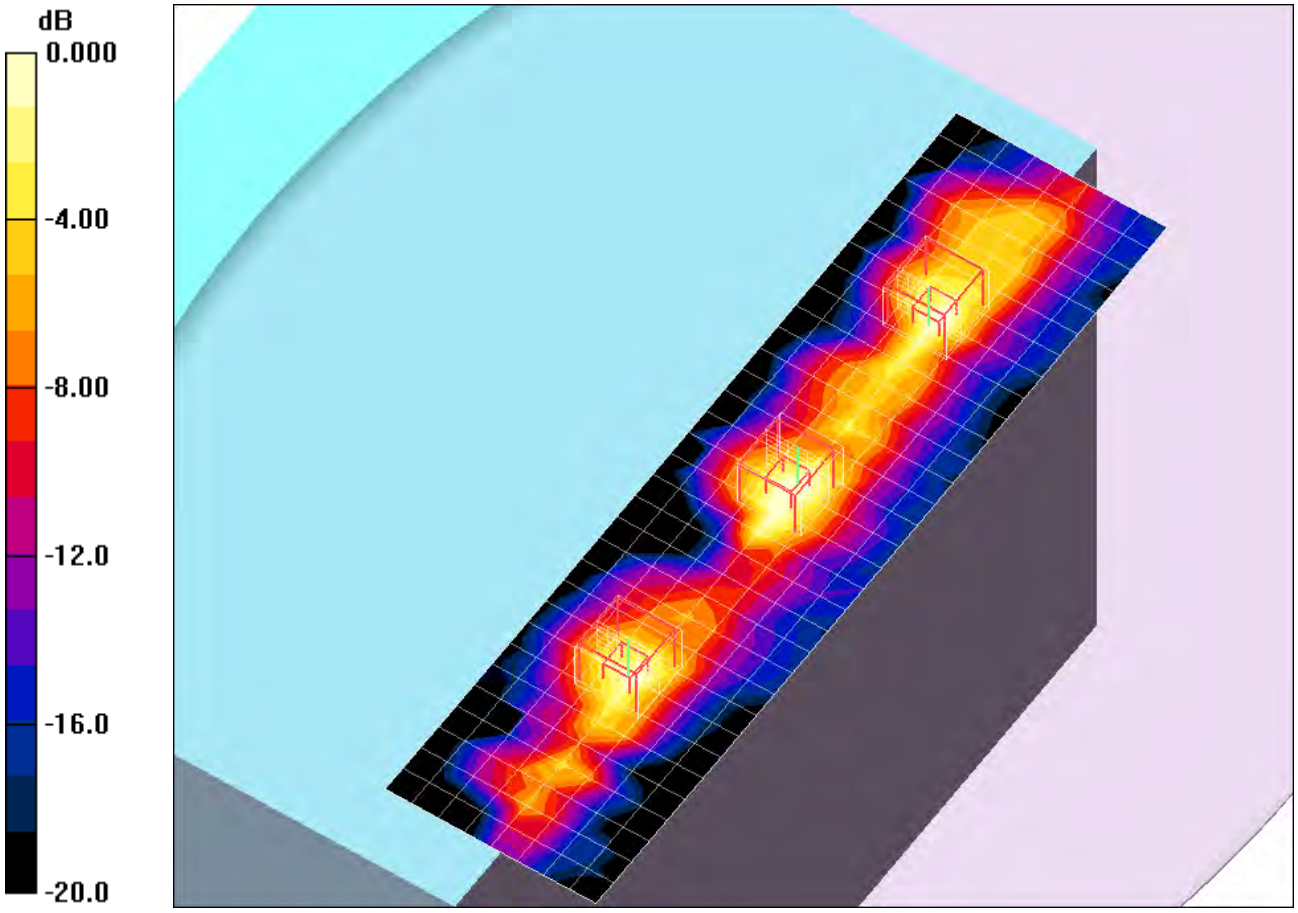
Frequency: 5600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5600 MHz; σ = 5.62 mho/m; ε_r = 50.2; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.57, 3.57, 3.57); 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 0,1,2_Ch 120/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.05 mW/g

802.11a,Chain 0_Ch 120/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.5 V/m; Power Drift = 0.088 dB
Peak SAR (extrapolated) = 2.15 W/kg
SAR(1 g) = 0.483 mW/g; SAR(10 g) = 0.143 mW/g
Maximum value of SAR (measured) = 0.967 mW/g

802.11a,Chain 1_Ch 120/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.5 V/m; Power Drift = 0.088 dB
Peak SAR (extrapolated) = 2.29 W/kg
SAR(1 g) = 0.572 mW/g; SAR(10 g) = 0.178 mW/g
Maximum value of SAR (measured) = 1.01 mW/g

802.11a,Chain 2_Ch 120/Zoom Scan (7x7x9)/Cube 2: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.5 V/m; Power Drift = 0.088 dB
Peak SAR (extrapolated) = 1.63 W/kg
SAR(1 g) = 0.411 mW/g; SAR(10 g) = 0.133 mW/g
Maximum value of SAR (measured) = 0.757 mW/g



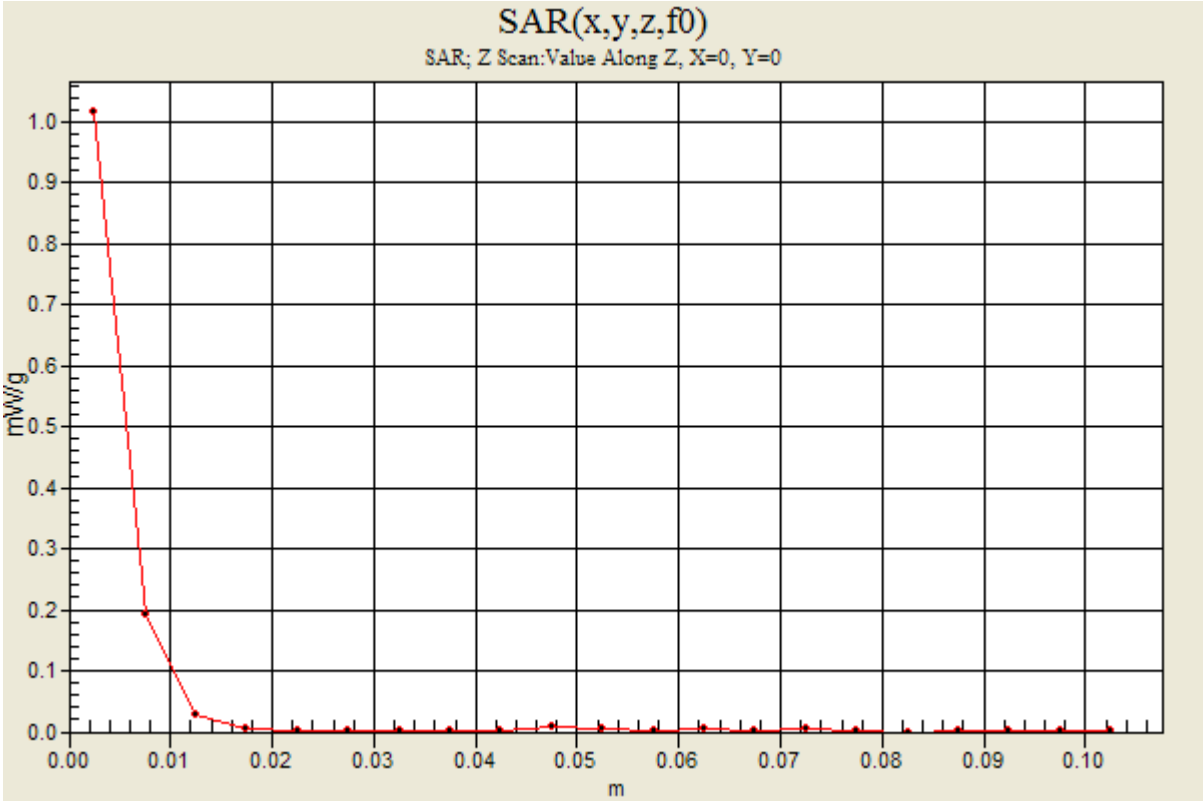
0 dB = 0.757mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/16/2012 10:52:47 PM

5GHz bands

Frequency: 5600 MHz; Duty Cycle: 1:1

802.11a,Chain 0,1,2_Ch 120/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: 4/16/2012 11:24:02 PM

5GHz bands

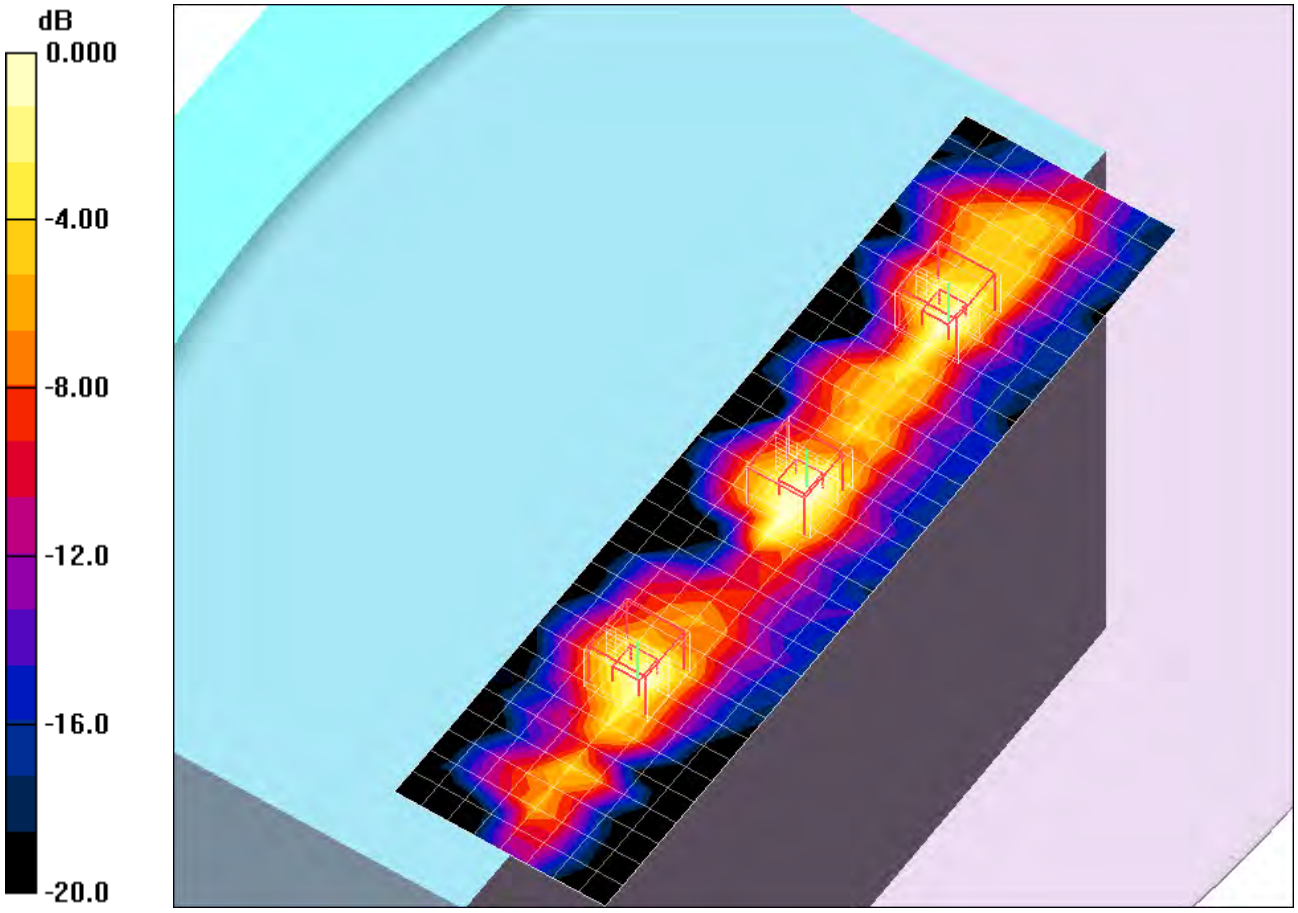
Frequency: 5620 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5620 MHz; σ = 5.64 mho/m; ε_r = 50.2; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.57, 3.57, 3.57); 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 0,1,2_Ch 124/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.03 mW/g

802.11a,Chain 0_Ch 124/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.4 V/m; Power Drift = 0.031 dB
Peak SAR (extrapolated) = 2.07 W/kg
SAR(1 g) = 0.489 mW/g; SAR(10 g) = 0.141 mW/g
Maximum value of SAR (measured) = 0.889 mW/g

802.11a,Chain 1_Ch 124/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.4 V/m; Power Drift = 0.031 dB
Peak SAR (extrapolated) = 2.29 W/kg
SAR(1 g) = 0.557 mW/g; SAR(10 g) = 0.171 mW/g
Maximum value of SAR (measured) = 0.991 mW/g

802.11a,Chain 2_Ch 124/Zoom Scan (7x7x9)/Cube 2: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.4 V/m; Power Drift = 0.031 dB
Peak SAR (extrapolated) = 1.62 W/kg
SAR(1 g) = 0.401 mW/g; SAR(10 g) = 0.130 mW/g
Maximum value of SAR (measured) = 0.743 mW/g



0 dB = 0.743mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/17/2012 1:10:35 AM

5GHz bands

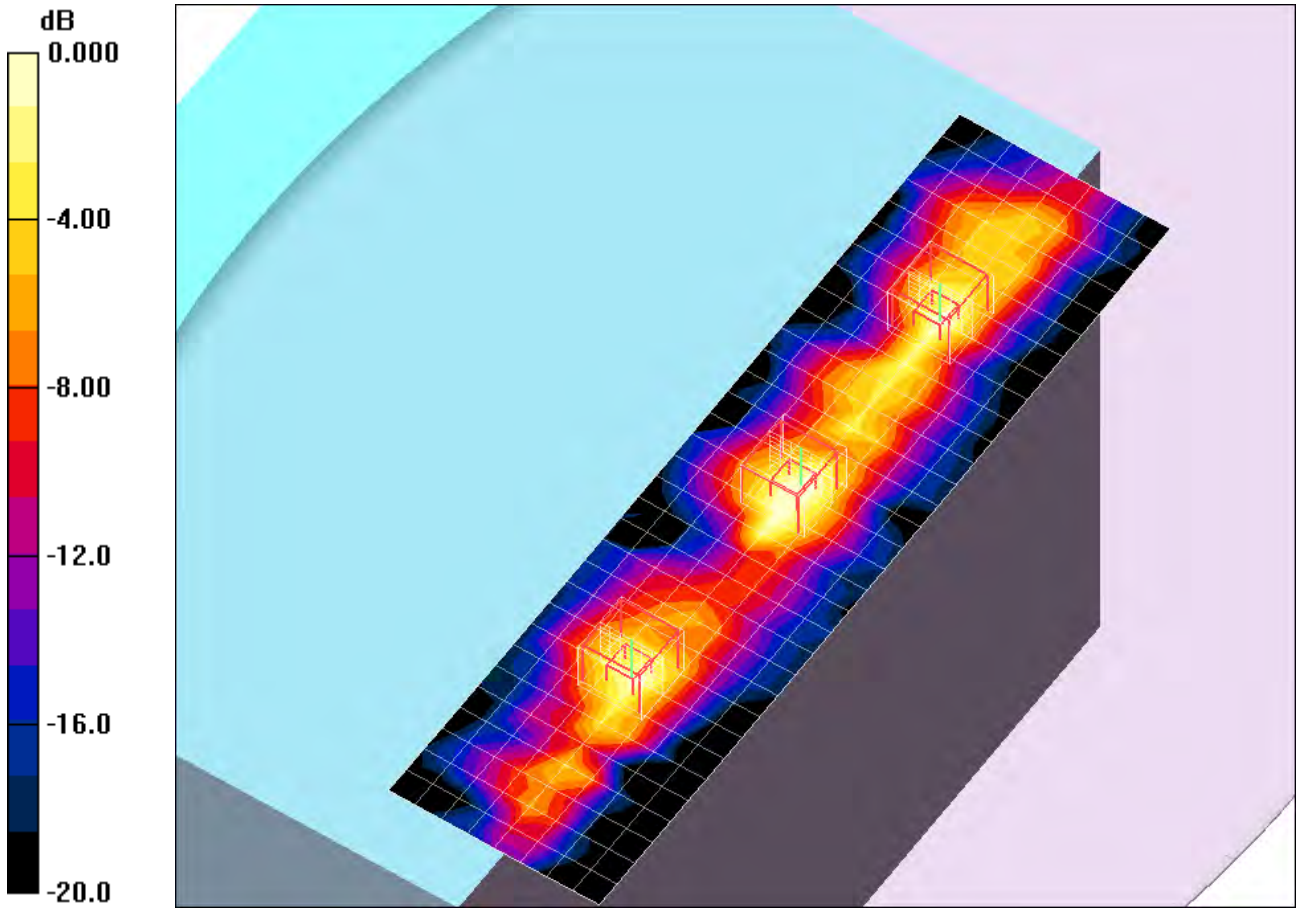
Frequency: 5680 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5680 MHz; σ = 5.72 mho/m; ε_r = 50.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.57, 3.57, 3.57); 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 0,1,2_Ch 136/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.06 mW/g

802.11a,Chain 0_Ch 136/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.6 V/m; Power Drift = 0.061 dB
Peak SAR (extrapolated) = 2.21 W/kg
SAR(1 g) = 0.455 mW/g; SAR(10 g) = 0.129 mW/g
Maximum value of SAR (measured) = 0.844 mW/g

802.11a,Chain 1_Ch 136/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.6 V/m; Power Drift = 0.061 dB
Peak SAR (extrapolated) = 2.37 W/kg
SAR(1 g) = 0.572 mW/g; SAR(10 g) = 0.177 mW/g
Maximum value of SAR (measured) = 1.03 mW/g

802.11a,Chain 2_Ch 136/Zoom Scan (7x7x9)/Cube 2: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.6 V/m; Power Drift = 0.061 dB
Peak SAR (extrapolated) = 1.59 W/kg
SAR(1 g) = 0.400 mW/g; SAR(10 g) = 0.129 mW/g
Maximum value of SAR (measured) = 0.771 mW/g



0 dB = 0.771mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 5/18/2012 12:27:19 AM

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 = 5.86 mho/m; ε_r = 47.2; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.72, 3.72, 3.72); 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 HT20,Chain 0,1_Ch 100/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

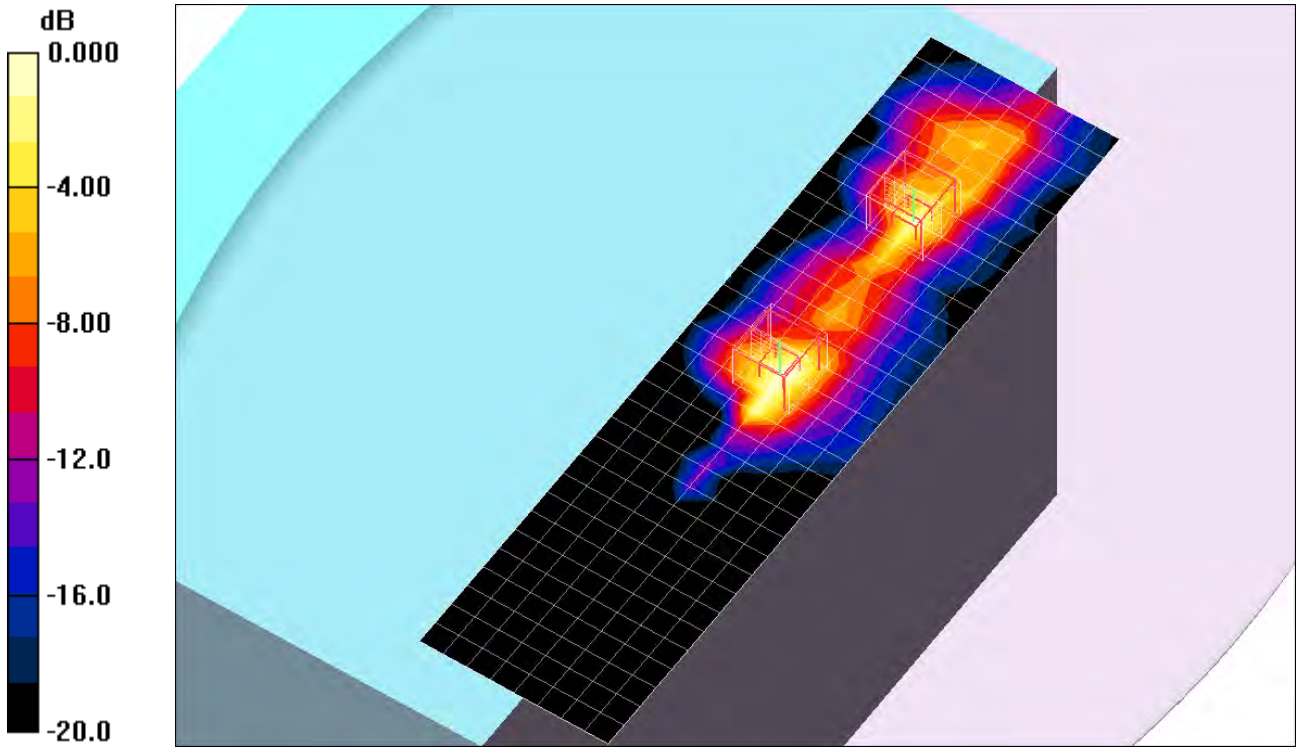
Maximum value of SAR (measured) = 1.98 mW/g

802.11n HT20,Chain 0_Ch 100/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 18.4 V/m; Power Drift = 0.092 dB
Peak SAR (extrapolated) = 3.72 W/kg
SAR(1 g) = 0.829 mW/g; SAR(10 g) = 0.233 mW/g
Maximum value of SAR (measured) = 1.64 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 = 18.4 V/m; Power Drift = 0.092 dB
Peak SAR (extrapolated) = 4.04 W/kg
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.315 mW/g
Maximum value of SAR (measured) = 1.79 mW/g



0 dB = 1.79mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 5/17/2012 11:43:48 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 = 5.97 mho/m; ε_r = 47; 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

802.11n HT20,Chain 0,1_Ch 116/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

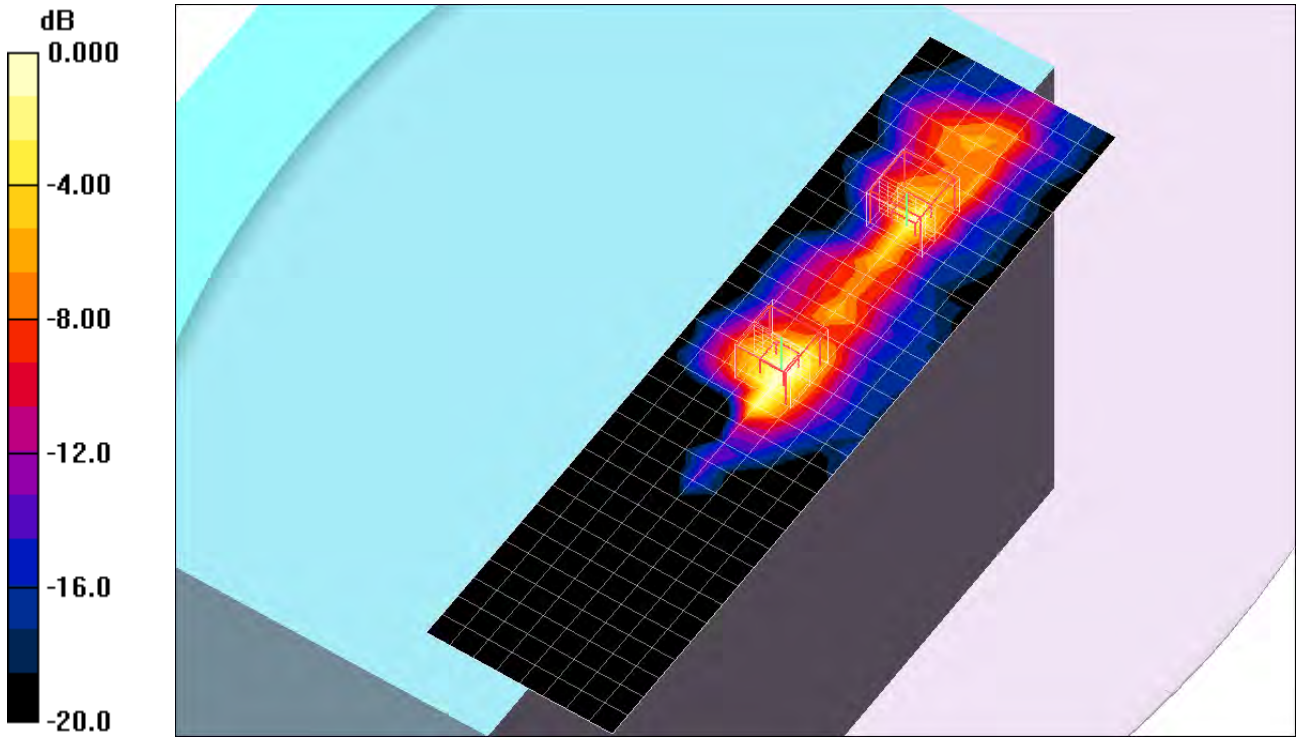
Maximum value of SAR (measured) = 1.94 mW/g

802.11n HT20,Chain 0_Ch 116/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 18.3 V/m; Power Drift = 0.037 dB
Peak SAR (extrapolated) = 2.90 W/kg
SAR(1 g) = 0.633 mW/g; SAR(10 g) = 0.176 mW/g
Maximum value of SAR (measured) = 1.28 mW/g

802.11n HT20,Chain 1_Ch 116/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 18.3 V/m; Power Drift = 0.037 dB
Peak SAR (extrapolated) = 3.88 W/kg
SAR(1 g) = 0.995 mW/g; SAR(10 g) = 0.309 mW/g
Maximum value of SAR (measured) = 1.78 mW/g



0 dB = 1.78mW/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 = 6.12 mho/m; ε_r = 46.8; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.81, 3.81, 3.81); 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 HT20,Chain 0,1_Ch 140/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

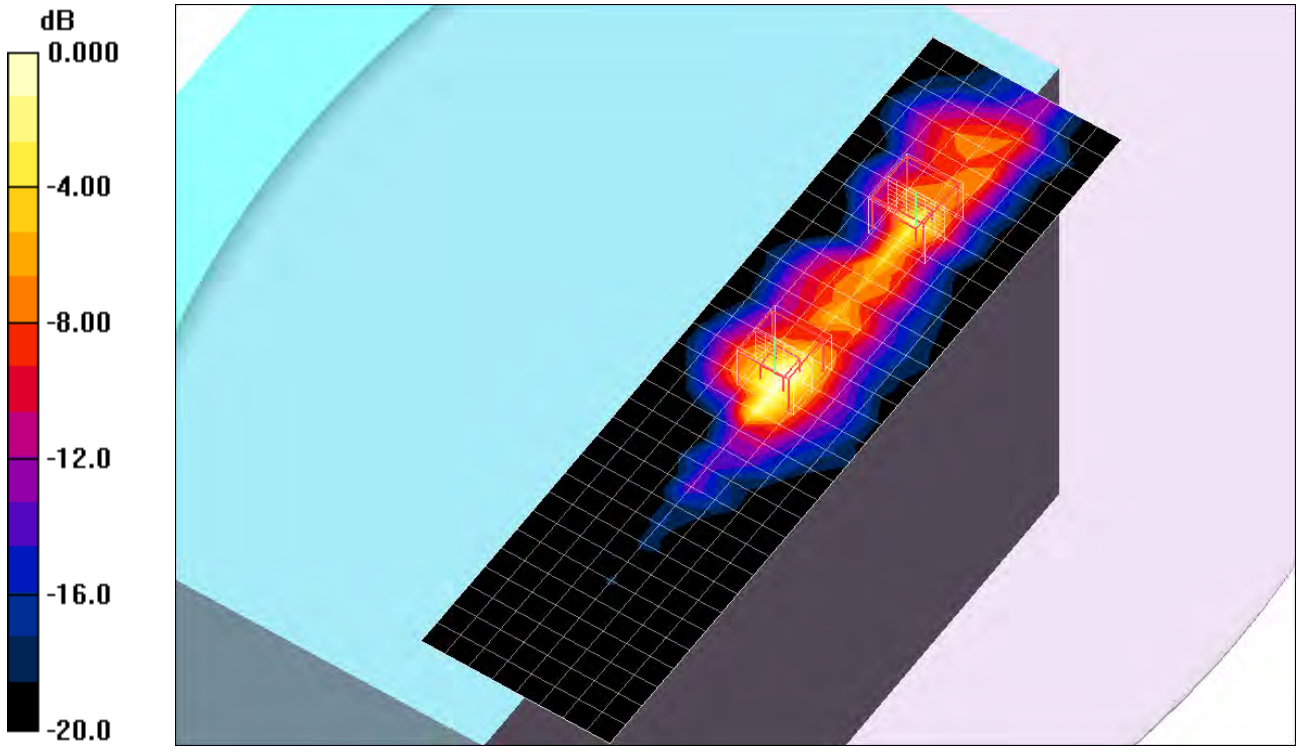
Maximum value of SAR (measured) = 1.88 mW/g

802.11n HT20,Chain 0_Ch 140/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 17.6 V/m; Power Drift = 0.095 dB
Peak SAR (extrapolated) = 2.94 W/kg
SAR(1 g) = 0.594 mW/g; SAR(10 g) = 0.160 mW/g
Maximum value of SAR (measured) = 1.09 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 = 17.6 V/m; Power Drift = 0.095 dB
Peak SAR (extrapolated) = 4.15 W/kg
SAR(1 g) = 0.968 mW/g; SAR(10 g) = 0.296 mW/g
Maximum value of SAR (measured) = 1.78 mW/g



0 dB = 1.78mW/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 = 5.86 mho/m; ε_r = 47.2; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.72, 3.72, 3.72); 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 HT20,Chain 0,2_Ch 100/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

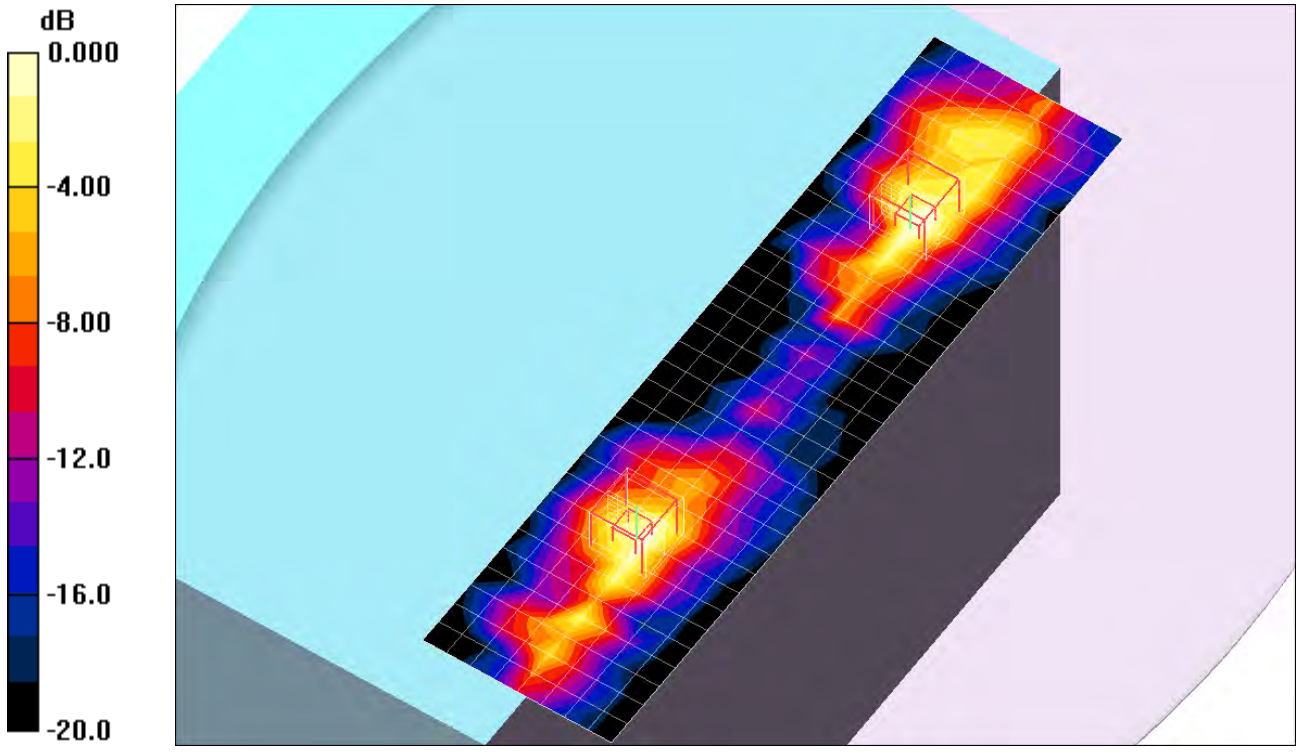
Maximum value of SAR (measured) = 1.42 mW/g

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 = -0.149 dB
Peak SAR (extrapolated) = 3.43 W/kg
SAR(1 g) = 0.747 mW/g; SAR(10 g) = 0.211 mW/g
Maximum value of SAR (measured) = 1.46 mW/g

802.11n HT20,Chain 2_Ch 100/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 17.1 V/m; Power Drift = -0.149 dB
Peak SAR (extrapolated) = 2.18 W/kg
SAR(1 g) = 0.538 mW/g; SAR(10 g) = 0.178 mW/g
Maximum value of SAR (measured) = 0.933 mW/g



0 dB = 0.933mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 5/18/2012 2:50:30 AM

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 = 5.97 mho/m; ε_r = 47; 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

802.11n HT20,Chain 0,2_Ch 116/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

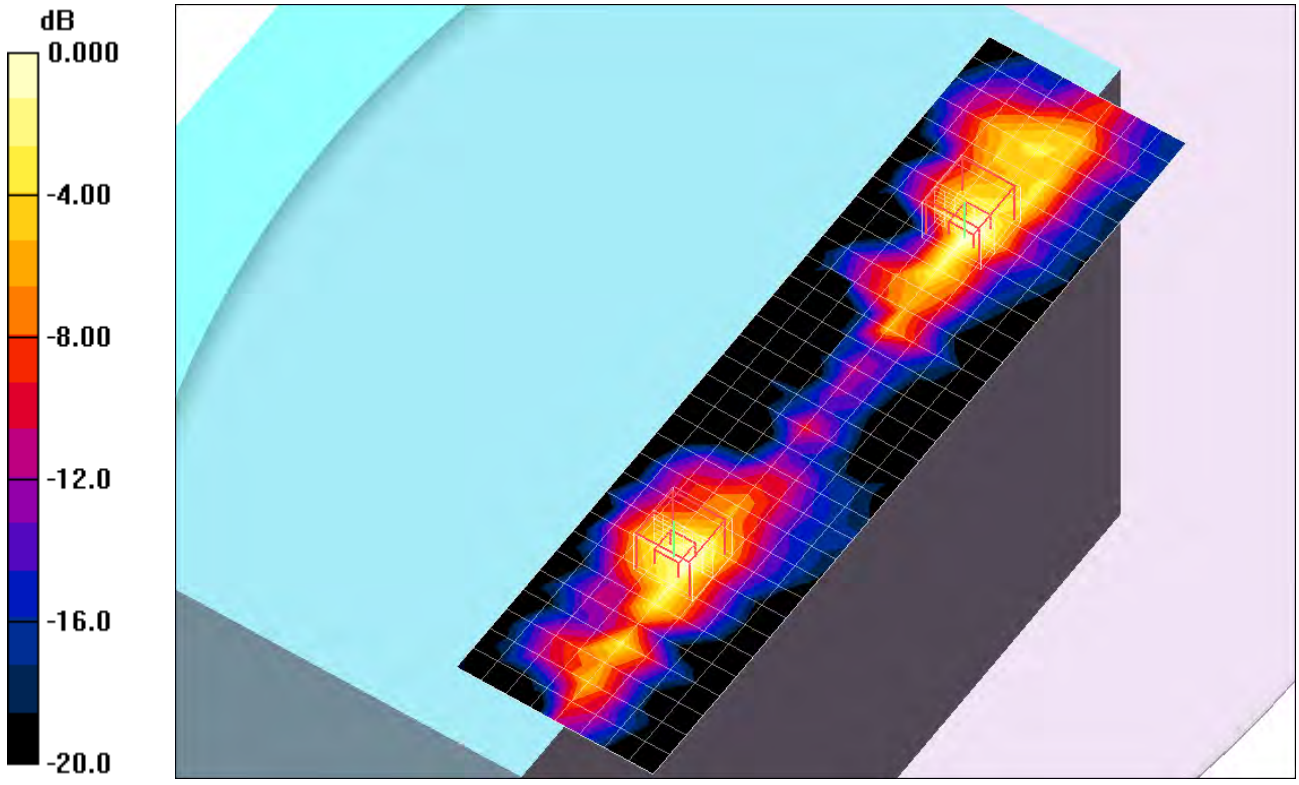
Maximum value of SAR (measured) = 1.17 mW/g

802.11n HT20,Chain 0_Ch 116/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 15.3 V/m; Power Drift = -0.013 dB
Peak SAR (extrapolated) = 2.83 W/kg
SAR(1 g) = 0.612 mW/g; SAR(10 g) = 0.167 mW/g
Maximum value of SAR (measured) = 1.24 mW/g

802.11n HT20,Chain 2_Ch 116/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 15.3 V/m; Power Drift = -0.013 dB
Peak SAR (extrapolated) = 2.11 W/kg
SAR(1 g) = 0.512 mW/g; SAR(10 g) = 0.162 mW/g
Maximum value of SAR (measured) = 0.935 mW/g



0 dB = 0.935mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 5/18/2012 5:40:41 AM

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 = 6.12 mho/m; ε_r = 46.8; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.81, 3.81, 3.81); 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 HT20,Chain 0,2_Ch 140/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

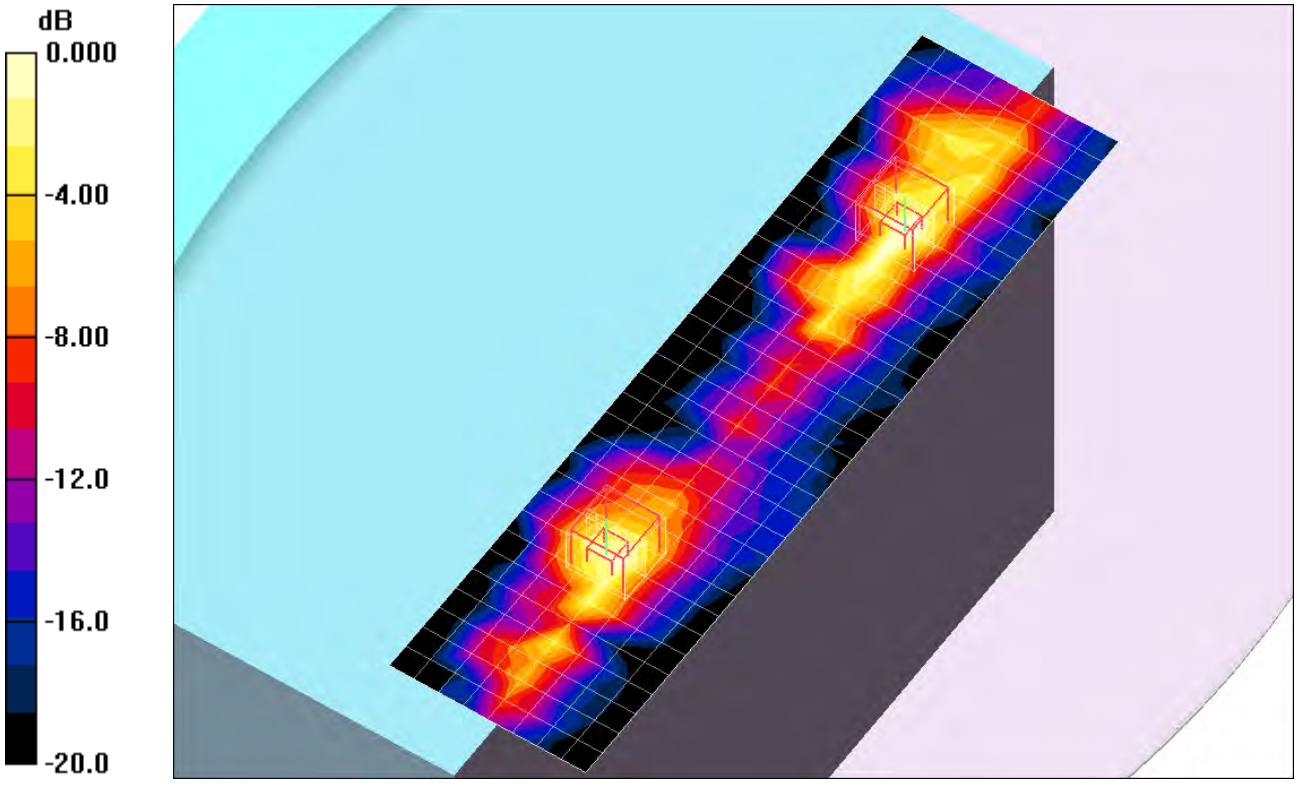
Maximum value of SAR (measured) = 1.25 mW/g

802.11n HT20,Chain 0_Ch 140/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 15.3 V/m; Power Drift = -0.051 dB
Peak SAR (extrapolated) = 3.51 W/kg
SAR(1 g) = 0.655 mW/g; SAR(10 g) = 0.174 mW/g
Maximum value of SAR (measured) = 1.22 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 = 15.3 V/m; Power Drift = -0.051 dB
Peak SAR (extrapolated) = 2.17 W/kg
SAR(1 g) = 0.478 mW/g; SAR(10 g) = 0.145 mW/g
Maximum value of SAR (measured) = 0.843 mW/g



0 dB = 0.843mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 5/18/2012 6:24:41 AM

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 = 5.86 mho/m; ε_r = 47.2; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.72, 3.72, 3.72); 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 HT20,Chain 1,2_Ch 100/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

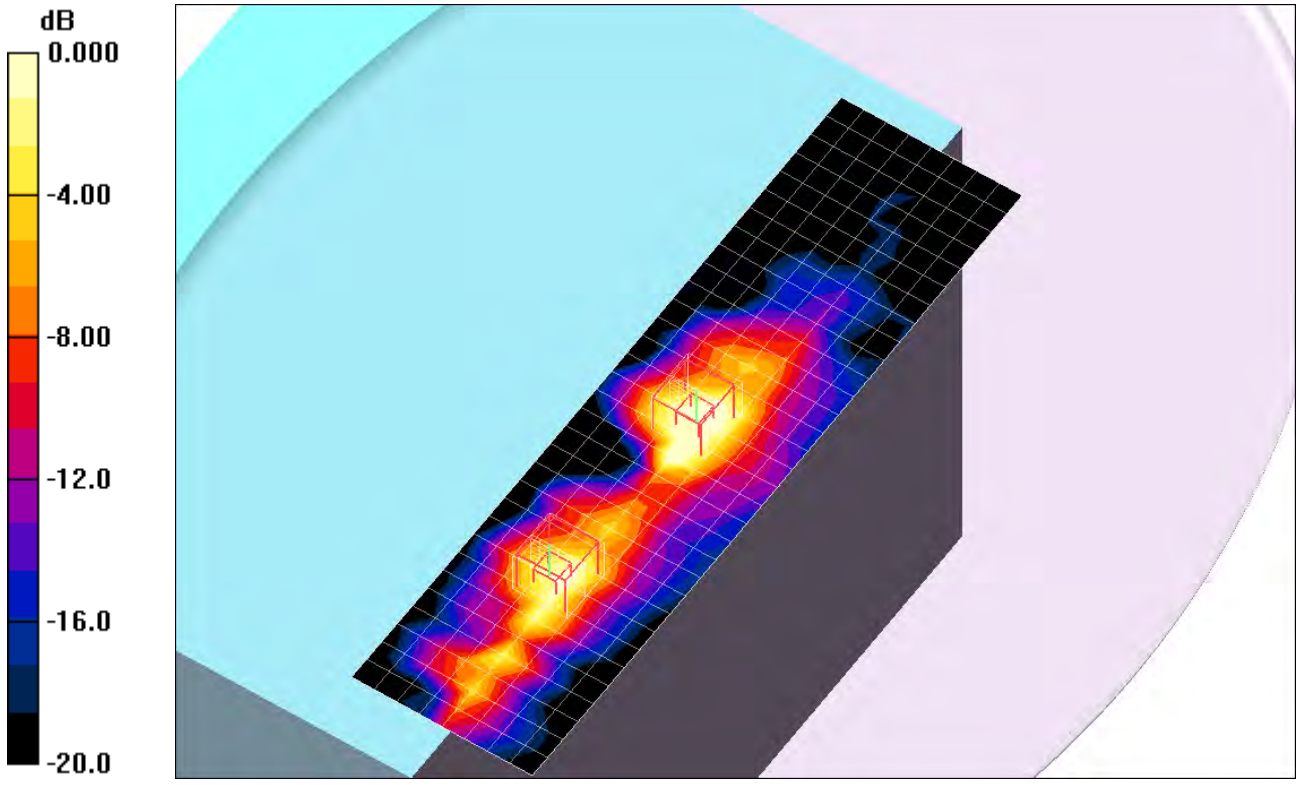
Maximum value of SAR (measured) = 2.09 mW/g

802.11n HT20,Chain 1_Ch 100/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 18.6 V/m; Power Drift = 0.044 dB
Peak SAR (extrapolated) = 4.20 W/kg
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.325 mW/g
Maximum value of SAR (measured) = 1.84 mW/g

802.11n HT20,Chain 2_Ch 100/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 18.6 V/m; Power Drift = 0.044 dB
Peak SAR (extrapolated) = 2.19 W/kg
SAR(1 g) = 0.541 mW/g; SAR(10 g) = 0.177 mW/g
Maximum value of SAR (measured) = 0.970 mW/g



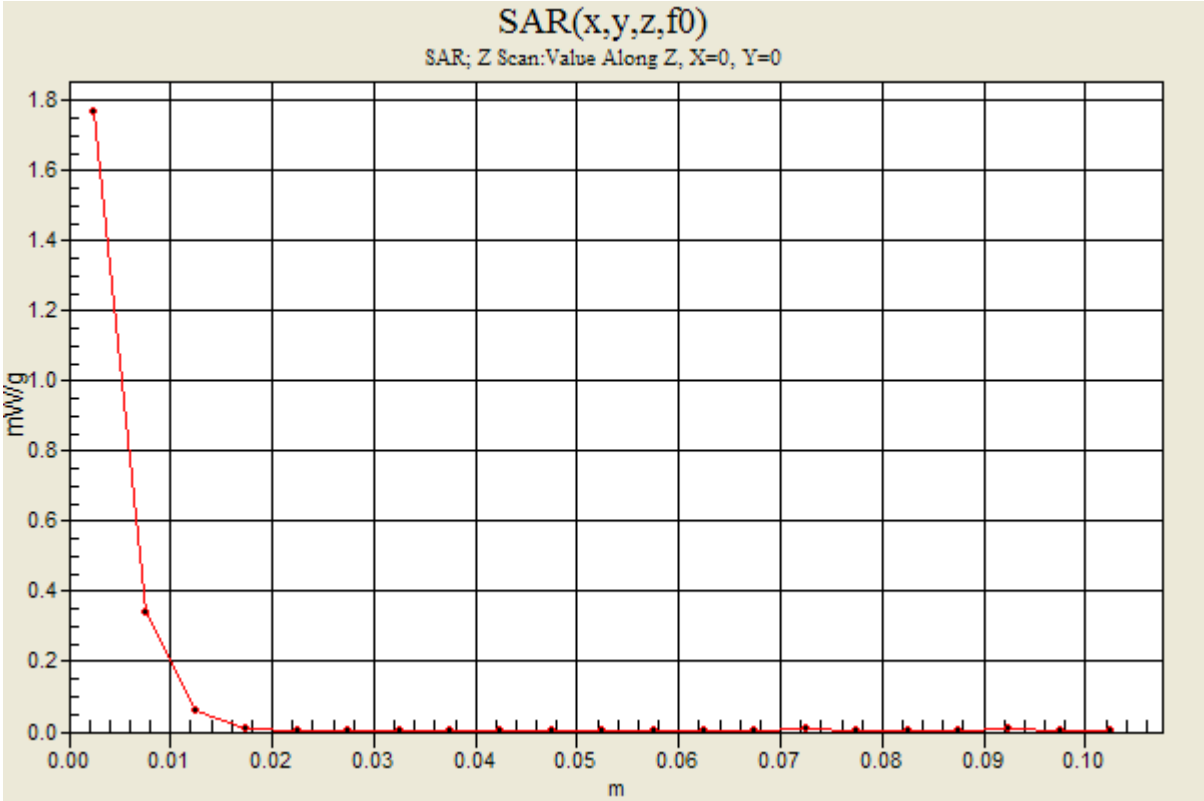
0 dB = 0.970mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 5/18/2012 7:06:49 AM

5GHz bands

Frequency: 5500 MHz; Duty Cycle: 1:1

802.11n HT20,Chain 1,2_Ch 100/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 1.77 mW/g



Test Laboratory: UL CCS SAR Lab D Date/Time: 5/18/2012 7:09:24 AM

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 = 5.97 mho/m; ε_r = 47; 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

802.11n HT20,Chain 1,2_Ch 116/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

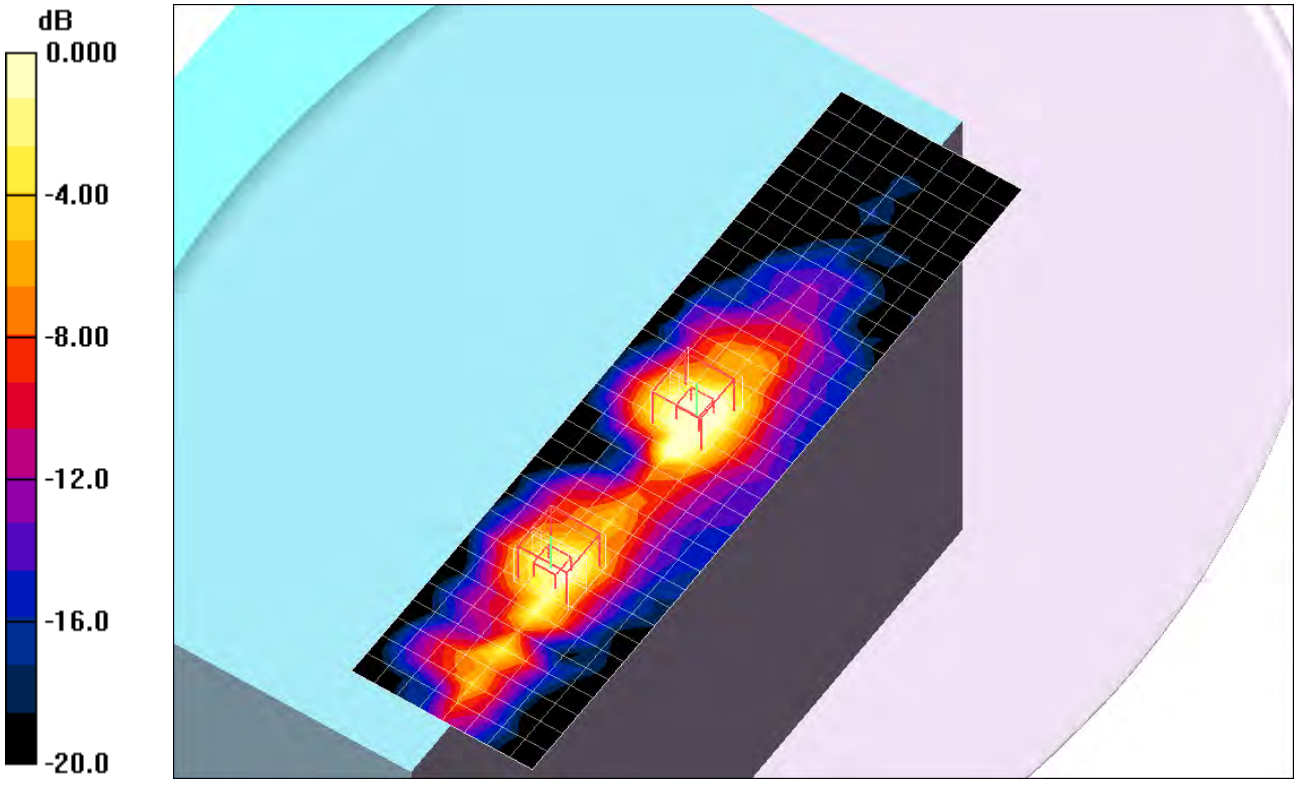
Maximum value of SAR (measured) = 2.05 mW/g

802.11n HT20,Chain 1_Ch 116/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 18.3 V/m; Power Drift = 0.023 dB
Peak SAR (extrapolated) = 4.00 W/kg
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.318 mW/g
Maximum value of SAR (measured) = 1.79 mW/g

802.11n HT20,Chain 2_Ch 116/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 18.3 V/m; Power Drift = 0.023 dB
Peak SAR (extrapolated) = 2.06 W/kg
SAR(1 g) = 0.515 mW/g; SAR(10 g) = 0.163 mW/g
Maximum value of SAR (measured) = 0.904 mW/g



0 dB = 0.904mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 5/18/2012 7:54:05 AM

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 = 6.12 mho/m; ε_r = 46.8; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.81, 3.81, 3.81); 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 HT20,Chain 1,2_Ch 140/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

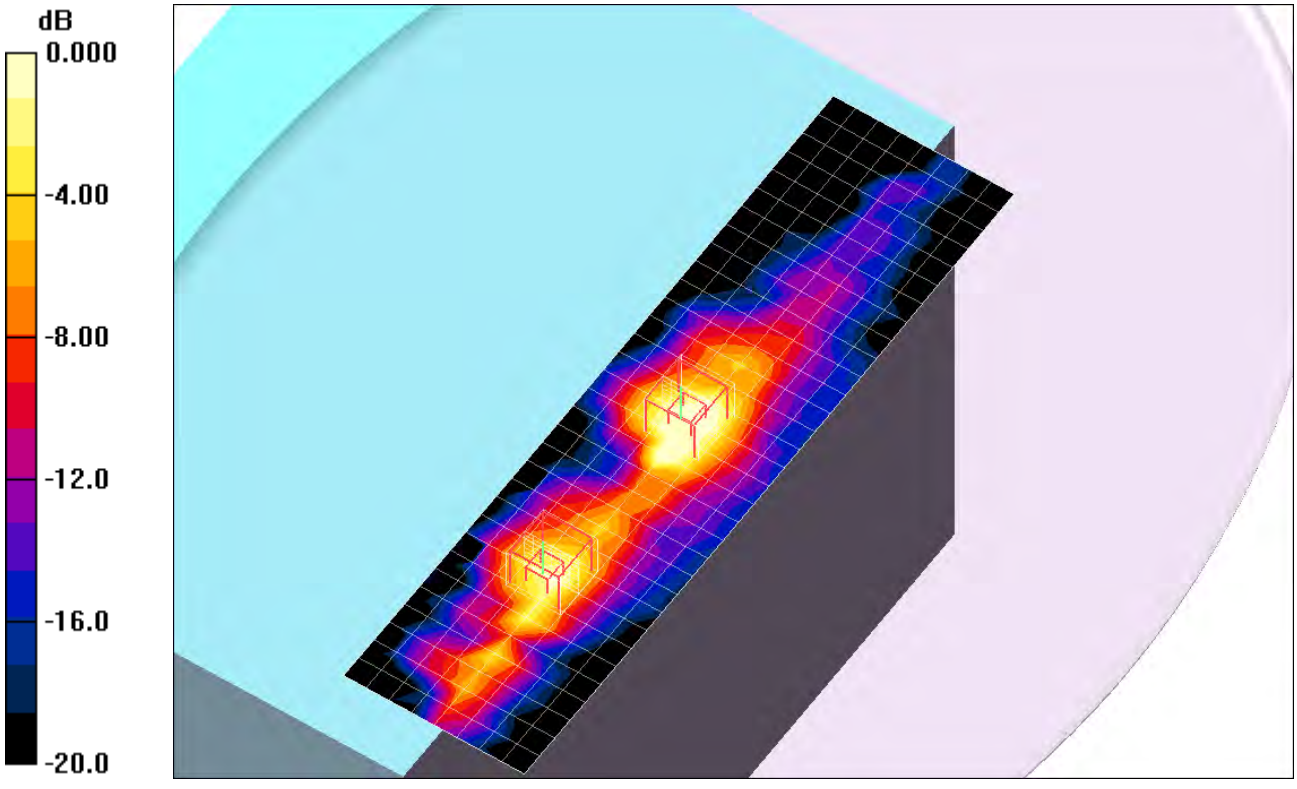
Maximum value of SAR (measured) = 1.92 mW/g

802.11n HT20,Chain 1_Ch 140/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 17.6 V/m; Power Drift = 0.096 dB
Peak SAR (extrapolated) = 4.15 W/kg
SAR(1 g) = 0.936 mW/g; SAR(10 g) = 0.287 mW/g
Maximum value of SAR (measured) = 1.72 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 = 17.6 V/m; Power Drift = 0.096 dB
Peak SAR (extrapolated) = 1.96 W/kg
SAR(1 g) = 0.449 mW/g; SAR(10 g) = 0.138 mW/g
Maximum value of SAR (measured) = 0.819 mW/g



0 dB = 0.819mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 6/21/2012 9:29:01 PM

5GHz bands

Frequency: 5510 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5510 MHz; σ = 5.68 mho/m; ε_r = 50.7; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.72, 3.72, 3.72); 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 102/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

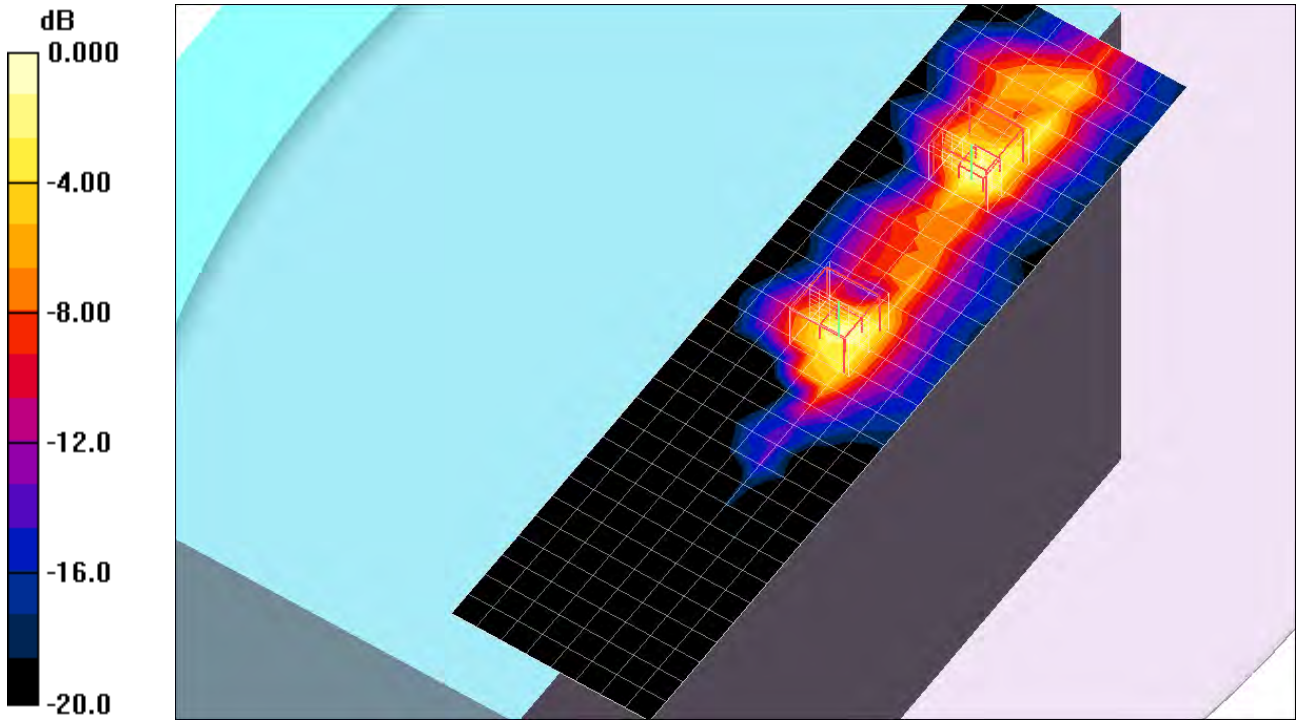
Maximum value of SAR (measured) = 1.68 mW/g

802.11n HT40,Chain 0_Ch 102/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 20.3 V/m; Power Drift = -0.153 dB
Peak SAR (extrapolated) = 5.15 W/kg
SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.342 mW/g
Maximum value of SAR (measured) = 2.19 mW/g

802.11n HT40,Chain 1_Ch 102/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 20.3 V/m; Power Drift = -0.153 dB
Peak SAR (extrapolated) = 4.14 W/kg
SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.355 mW/g
Maximum value of SAR (measured) = 2.04 mW/g



0 dB = 2.04mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 6/21/2012 8:07:10 PM

5GHz bands

Frequency: 5550 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5550 MHz; σ = 5.73 mho/m; ε_r = 50.6; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.72, 3.72, 3.72); 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 110/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

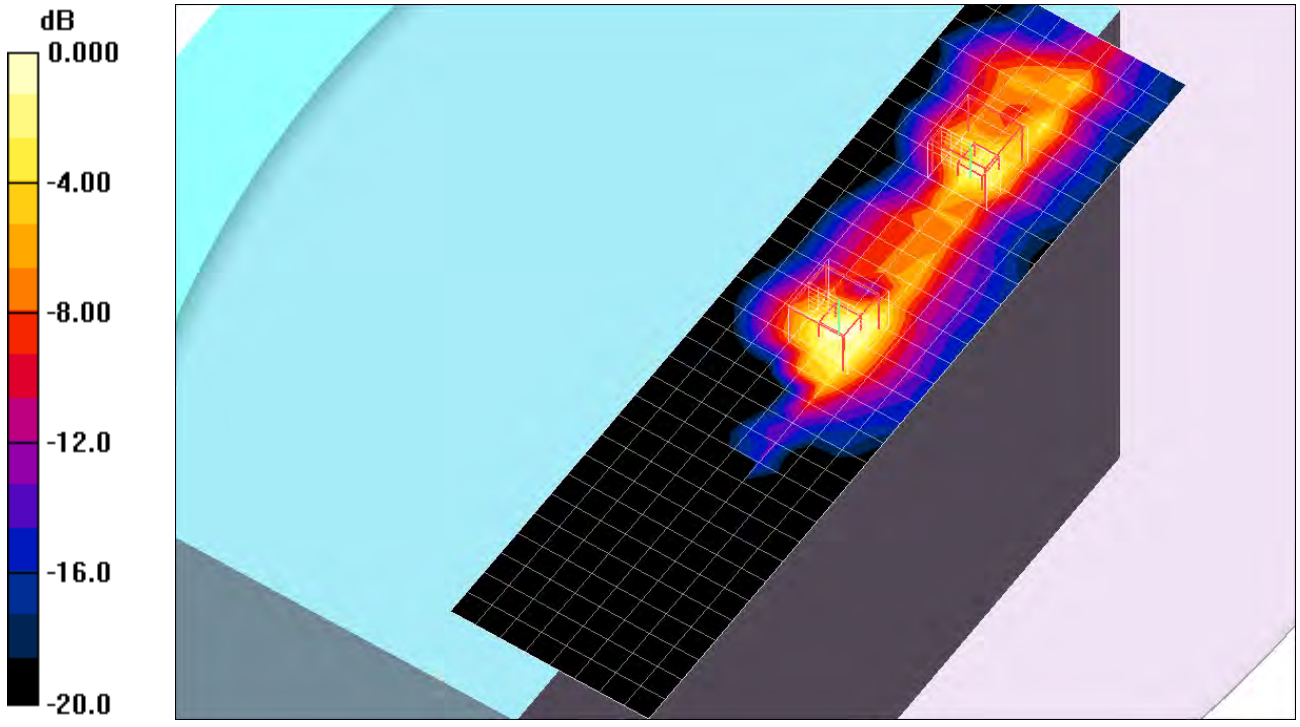
Maximum value of SAR (measured) = 2.23 mW/g

802.11n HT40,Chain 0_Ch 110/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 23.8 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 4.30 W/kg
SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.313 mW/g
Maximum value of SAR (measured) = 2.03 mW/g

802.11n HT40,Chain 1_Ch 110/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 23.8 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 4.38 W/kg
SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.362 mW/g
Maximum value of SAR (measured) = 2.13 mW/g



0 dB = 2.13mW/g

5GHz bands

Frequency: 5670 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5670 MHz; σ = 5.67 mho/m; ε_r = 50.7; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: 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

802.11n HT40,Chain 0,1_Ch 134/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

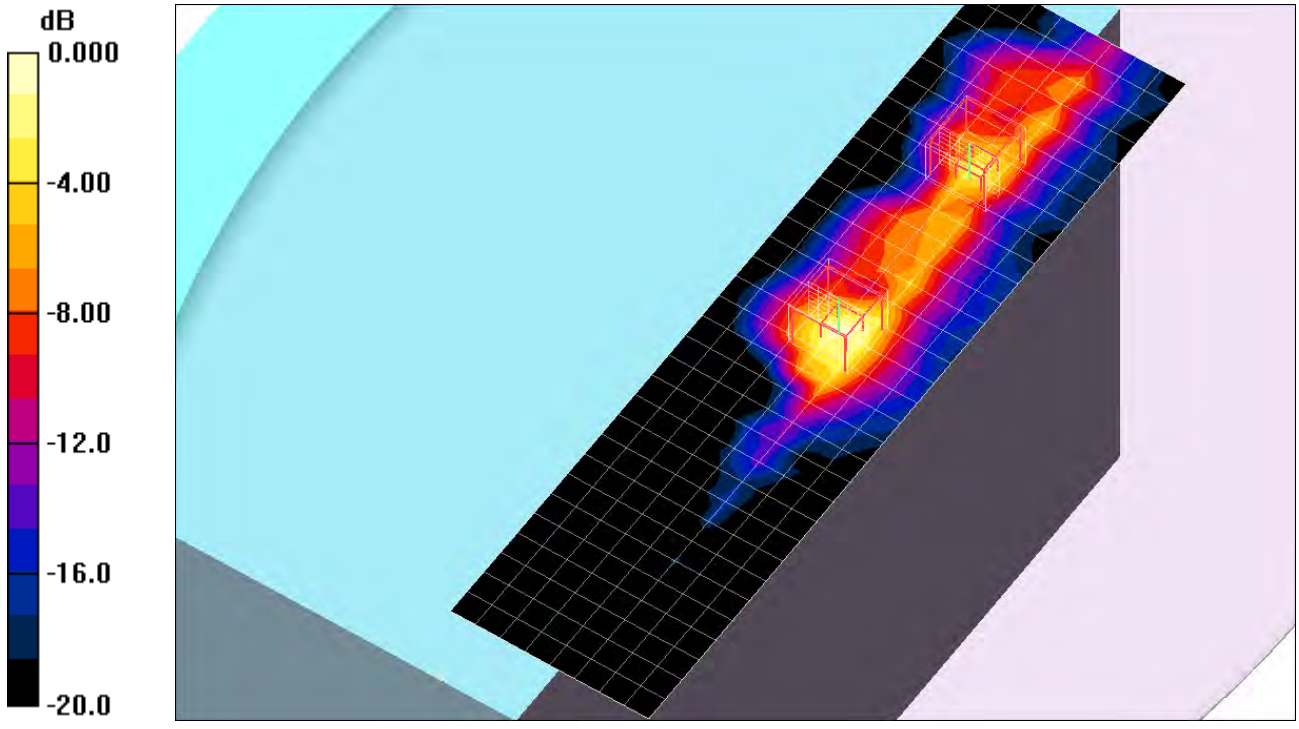
Maximum value of SAR (measured) = 2.05 mW/g

802.11n HT40,Chain 0_Ch 134/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 22.9 V/m; Power Drift = -0.079 dB
Peak SAR (extrapolated) = 4.56 W/kg
SAR(1 g) = 0.981 mW/g; SAR(10 g) = 0.283 mW/g
Maximum value of SAR (measured) = 2.06 mW/g

802.11n HT40,Chain 1_Ch 134/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 22.9 V/m; Power Drift = -0.079 dB
Peak SAR (extrapolated) = 4.61 W/kg
SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.362 mW/g
Maximum value of SAR (measured) = 2.18 mW/g



0 dB = 2.18mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 6/21/2012 3:47:32 PM

5GHz bands

Frequency: 5510 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5510 MHz; σ = 5.47 mho/m; ε_r = 50.9; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.72, 3.72, 3.72); 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 102/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

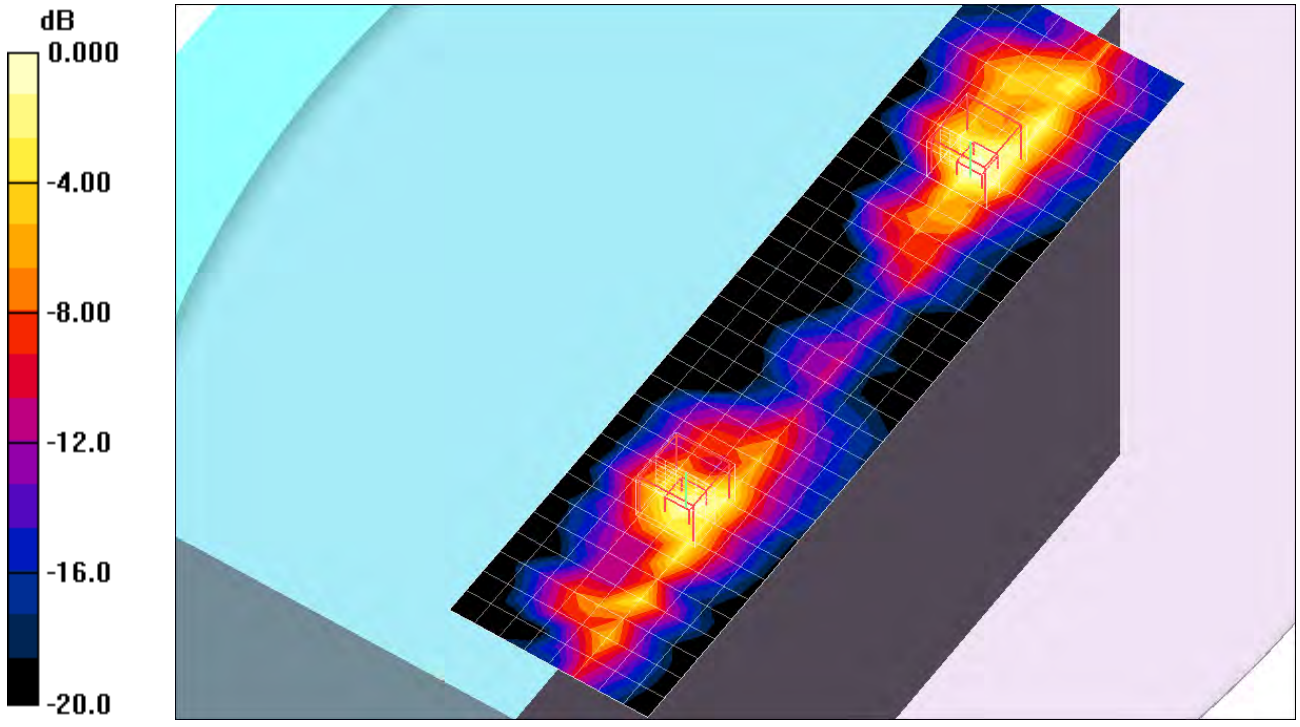
Maximum value of SAR (measured) = 1.72 mW/g

802.11n HT40,Chain 0_Ch 102/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 21.7 V/m; Power Drift = -0.108 dB
Peak SAR (extrapolated) = 4.80 W/kg
SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.312 mW/g
Maximum value of SAR (measured) = 2.13 mW/g

802.11n HT40,Chain 2_Ch 102/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 21.7 V/m; Power Drift = -0.108 dB
Peak SAR (extrapolated) = 3.50 W/kg
SAR(1 g) = 0.880 mW/g; SAR(10 g) = 0.300 mW/g
Maximum value of SAR (measured) = 1.63 mW/g



0 dB = 1.63mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 6/21/2012 2:42:56 PM

5GHz bands

Frequency: 5550 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5550 MHz; σ = 5.53 mho/m; ε_r = 50.8; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.72, 3.72, 3.72); 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 110/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

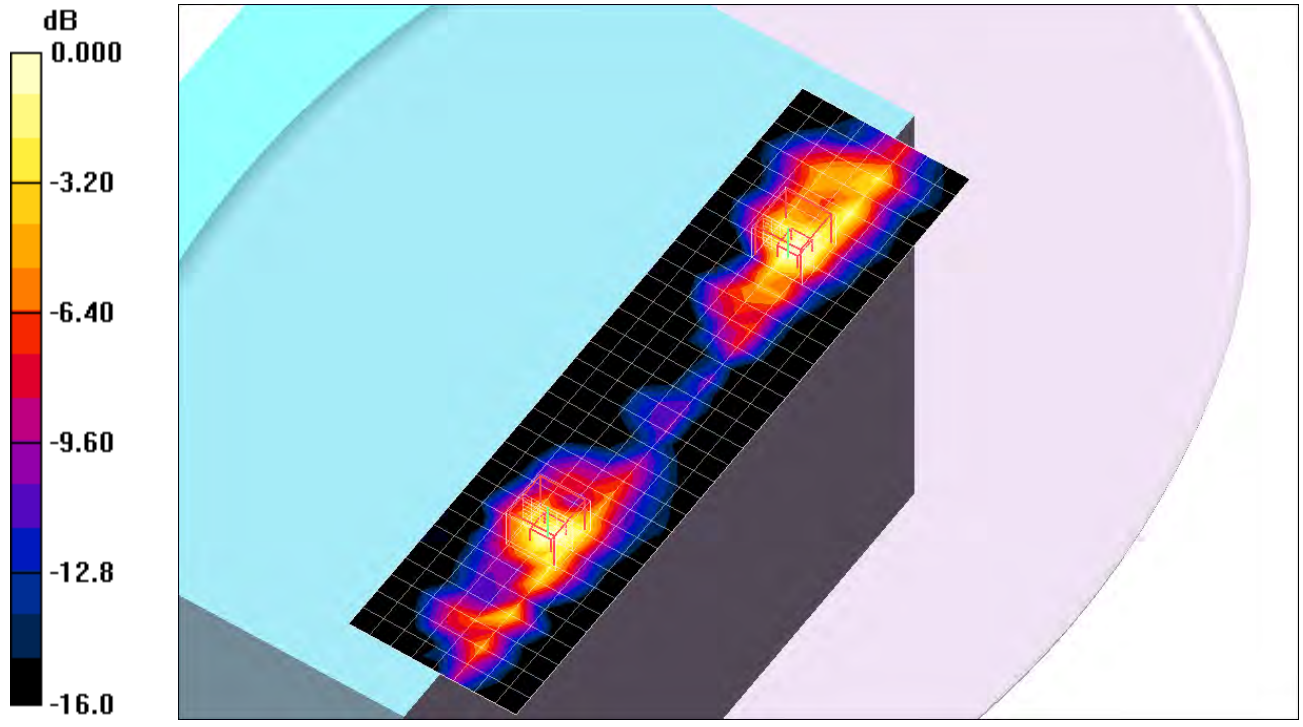
Maximum value of SAR (measured) = 1.81 mW/g

802.11n HT40,Chain 0_Ch 110/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 20.8 V/m; Power Drift = -0.048 dB
Peak SAR (extrapolated) = 4.98 W/kg
SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.341 mW/g
Maximum value of SAR (measured) = 2.16 mW/g

802.11n HT40,Chain 2_Ch 110/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 20.8 V/m; Power Drift = -0.048 dB
Peak SAR (extrapolated) = 3.44 W/kg
SAR(1 g) = 0.871 mW/g; SAR(10 g) = 0.295 mW/g
Maximum value of SAR (measured) = 1.63 mW/g



0 dB = 1.63mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 6/21/2012 1:22:35 PM

5GHz bands

Frequency: 5670 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5670 MHz; σ = 5.67 mho/m; ε_r = 50.7; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: 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

802.11n HT40,Chain 0,2_Ch 134/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

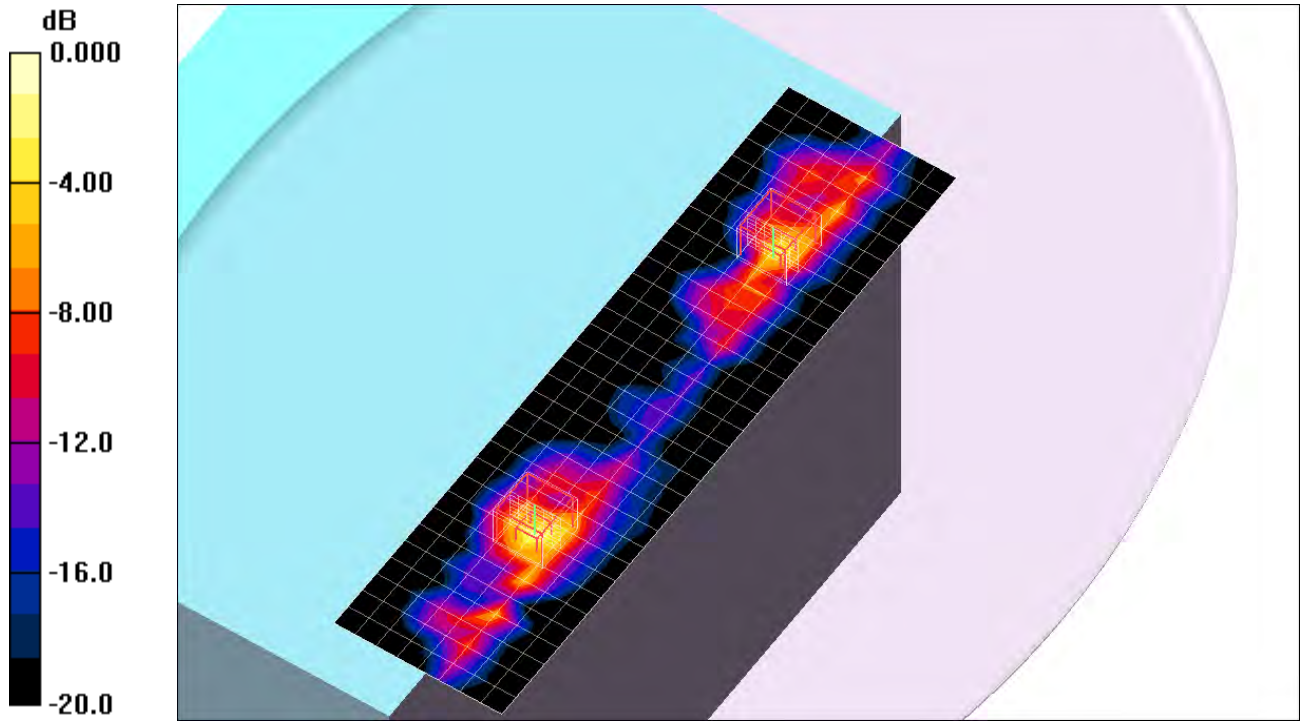
Maximum value of SAR (measured) = 1.33 mW/g

802.11n HT40,Chain 0_Ch 134/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 17.3 V/m; Power Drift = -0.129 dB
Peak SAR (extrapolated) = 4.53 W/kg
SAR(1 g) = 0.961 mW/g; SAR(10 g) = 0.281 mW/g
Maximum value of SAR (measured) = 1.98 mW/g

802.11n HT40,Chain 2_Ch 134/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 17.3 V/m; Power Drift = -0.129 dB
Peak SAR (extrapolated) = 3.19 W/kg
SAR(1 g) = 0.760 mW/g; SAR(10 g) = 0.250 mW/g
Maximum value of SAR (measured) = 1.42 mW/g



0 dB = 1.98mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 6/21/2012 12:23:06 PM

5GHz bands

Frequency: 5510 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5510 MHz; σ = 5.47 mho/m; ε_r = 50.9; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.72, 3.72, 3.72); 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 102/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

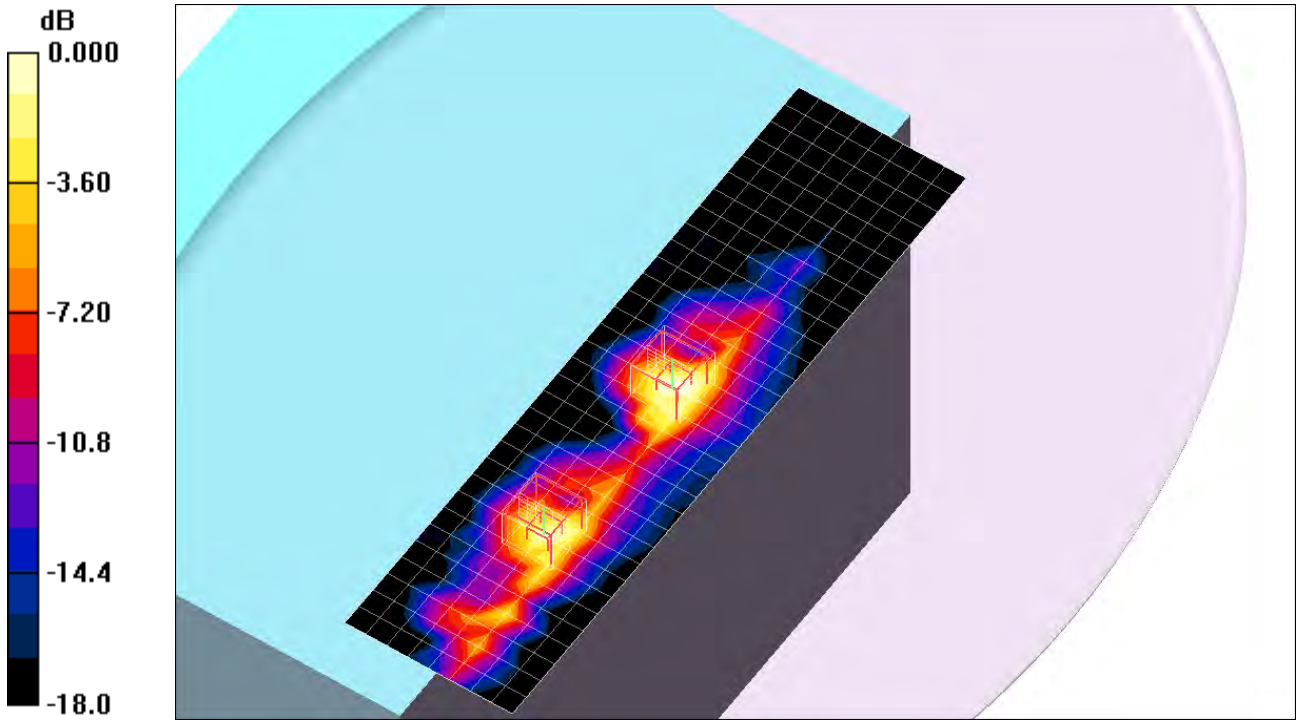
Maximum value of SAR (measured) = 1.86 mW/g

802.11n HT40,Chain 1_Ch 102/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 21.7 V/m; Power Drift = -0.121 dB
Peak SAR (extrapolated) = 4.37 W/kg
SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.358 mW/g
Maximum value of SAR (measured) = 2.09 mW/g

802.11n HT40,Chain 2_Ch 102/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 21.7 V/m; Power Drift = -0.121 dB
Peak SAR (extrapolated) = 3.47 W/kg
SAR(1 g) = 0.845 mW/g; SAR(10 g) = 0.288 mW/g
Maximum value of SAR (measured) = 1.56 mW/g



0 dB = 1.56mW/g

5GHz bands

Frequency: 5550 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5550 MHz; σ = 5.53 mho/m; ε_r = 50.8; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.72, 3.72, 3.72); 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 110/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

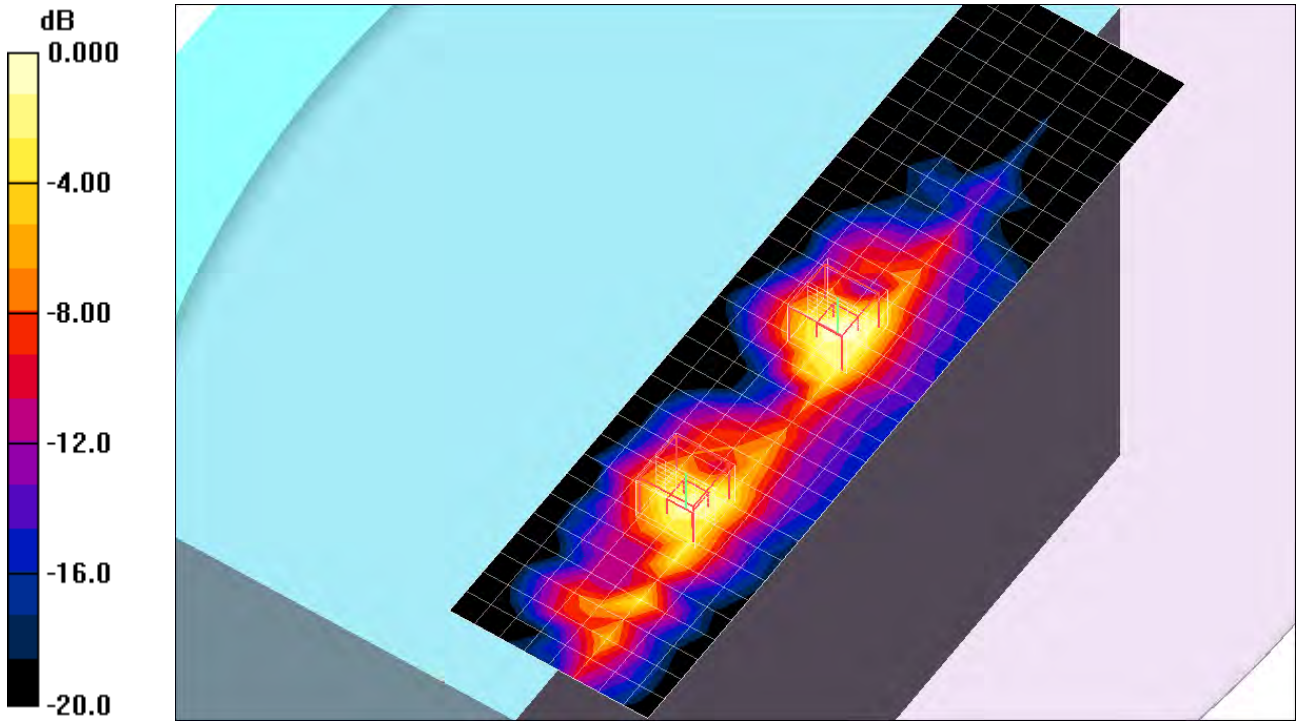
Maximum value of SAR (measured) = 1.79 mW/g

802.11n HT40,Chain 1_Ch 110/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 21.8 V/m; Power Drift = -0.106 dB
Peak SAR (extrapolated) = 4.57 W/kg
SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.373 mW/g
Maximum value of SAR (measured) = 2.19 mW/g

802.11n HT40,Chain 2_Ch 110/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 21.8 V/m; Power Drift = -0.106 dB
Peak SAR (extrapolated) = 3.41 W/kg
SAR(1 g) = 0.871 mW/g; SAR(10 g) = 0.299 mW/g
Maximum value of SAR (measured) = 1.62 mW/g

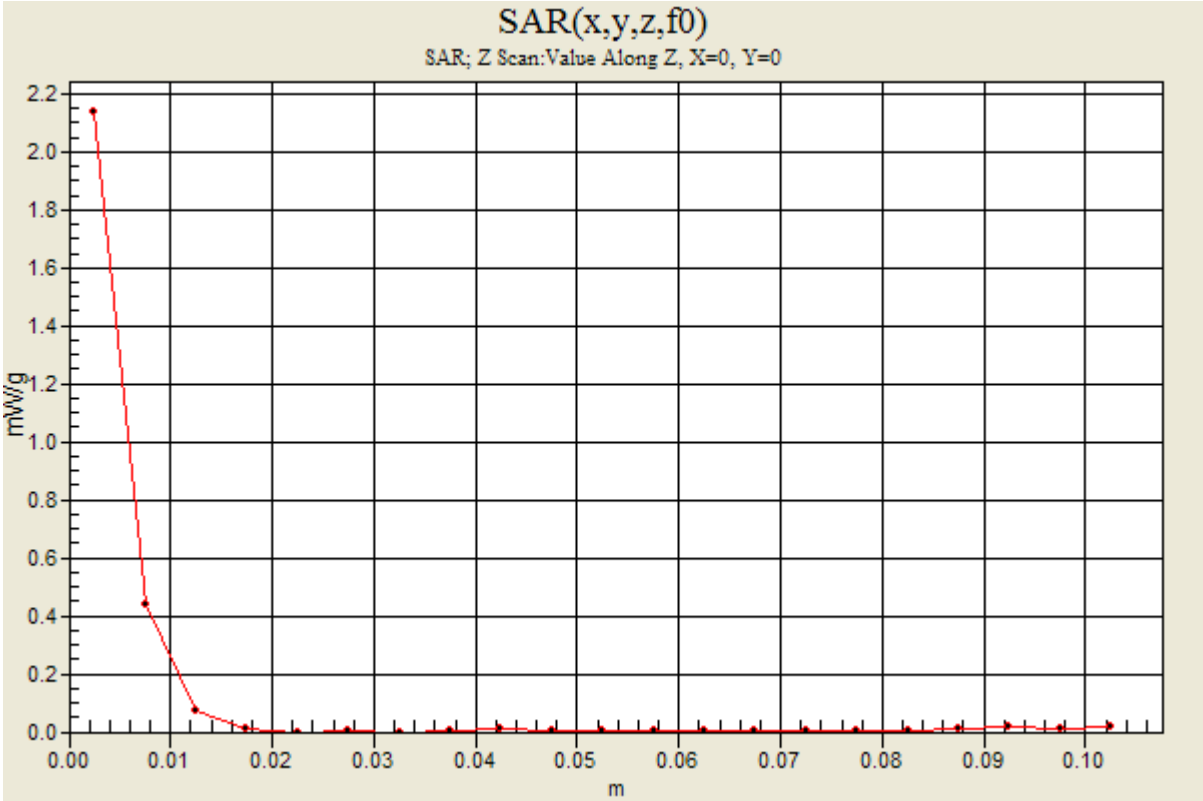


0 dB = 1.62mW/g

5GHz bands

Frequency: 5550 MHz; Duty Cycle: 1:1

802.11n HT40,Chain 1,2_Ch 110/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 2.14 mW/g



5GHz bands

Frequency: 5670 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5670 MHz; σ = 5.67 mho/m; ε_r = 50.7; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: 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

802.11n HT40,Chain 1,2_Ch 134/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

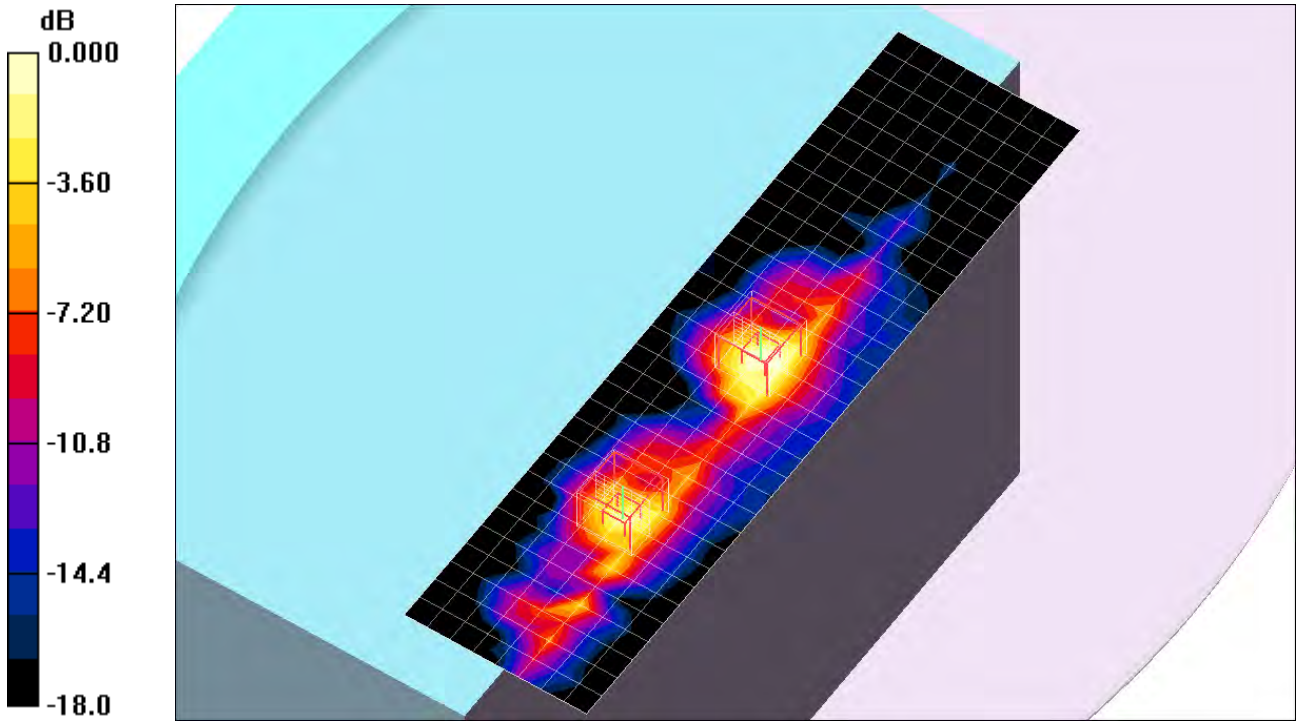
Maximum value of SAR (measured) = 1.69 mW/g

802.11n HT40,Chain 1_Ch 134/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 20.9 V/m; Power Drift = -0.102 dB
Peak SAR (extrapolated) = 4.42 W/kg
SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.353 mW/g
Maximum value of SAR (measured) = 2.10 mW/g

802.11n HT40,Chain 2_Ch 134/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 20.9 V/m; Power Drift = -0.102 dB
Peak SAR (extrapolated) = 3.16 W/kg
SAR(1 g) = 0.755 mW/g; SAR(10 g) = 0.253 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: 4/17/2012 5:46:36 PM

5GHz bands

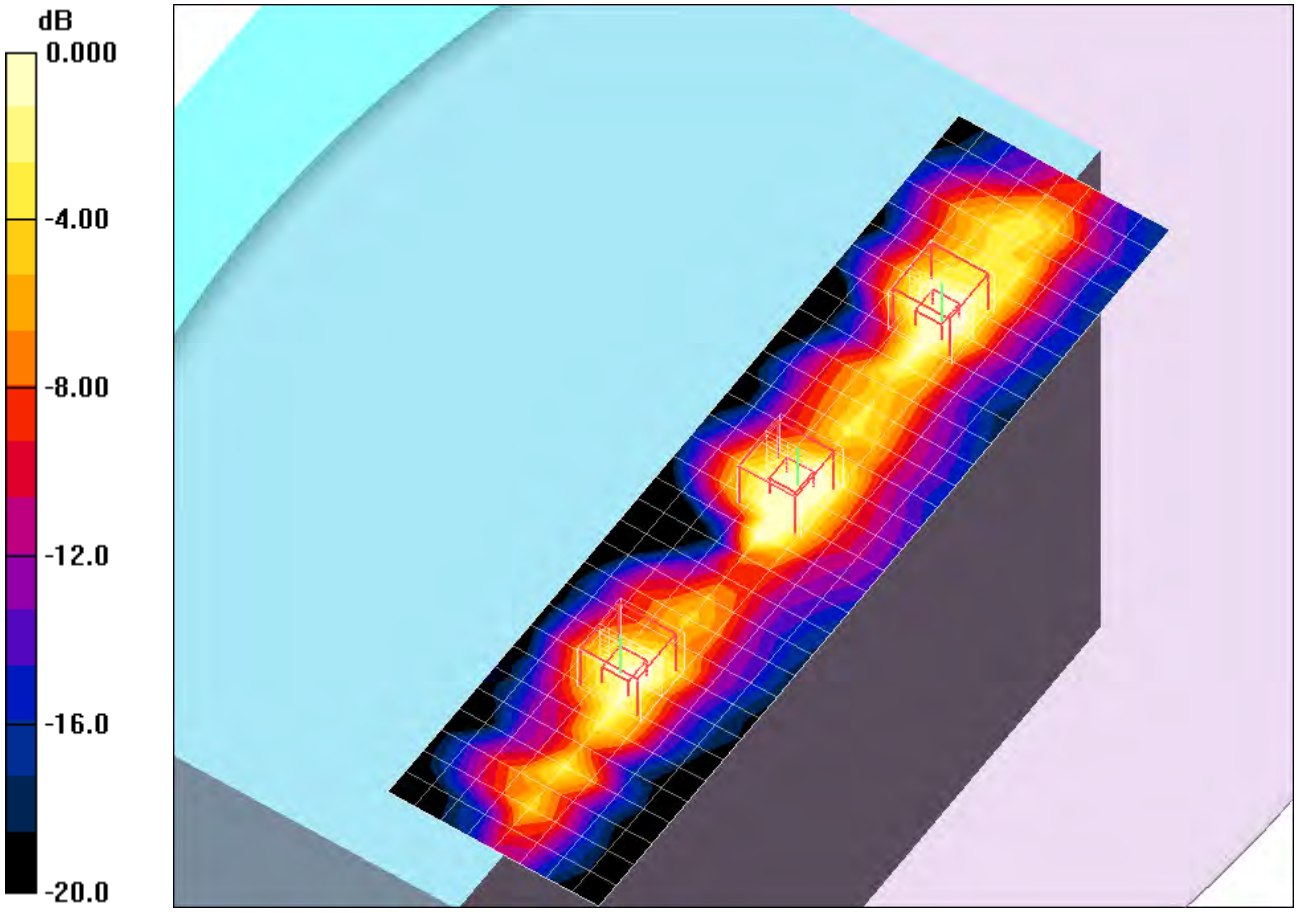
Frequency: 5510 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5510 MHz; σ = 5.6 mho/m; ε_r = 49.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.72, 3.72, 3.72); 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 102/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 3.12 mW/g

802.11n HT40,Chain 0_Ch 102/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 21.7 V/m; Power Drift = 0.059 dB
Peak SAR (extrapolated) = 4.75 W/kg
SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.347 mW/g
Maximum value of SAR (measured) = 2.15 mW/g

802.11n HT40,Chain 1_Ch 102/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 21.7 V/m; Power Drift = 0.059 dB
Peak SAR (extrapolated) = 4.45 W/kg
SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.381 mW/g
Maximum value of SAR (measured) = 2.10 mW/g

802.11n HT40,Chain 2_Ch 102/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 21.7 V/m; Power Drift = 0.059 dB
Peak SAR (extrapolated) = 3.21 W/kg
SAR(1 g) = 0.828 mW/g; SAR(10 g) = 0.279 mW/g
Maximum value of SAR (measured) = 1.44 mW/g



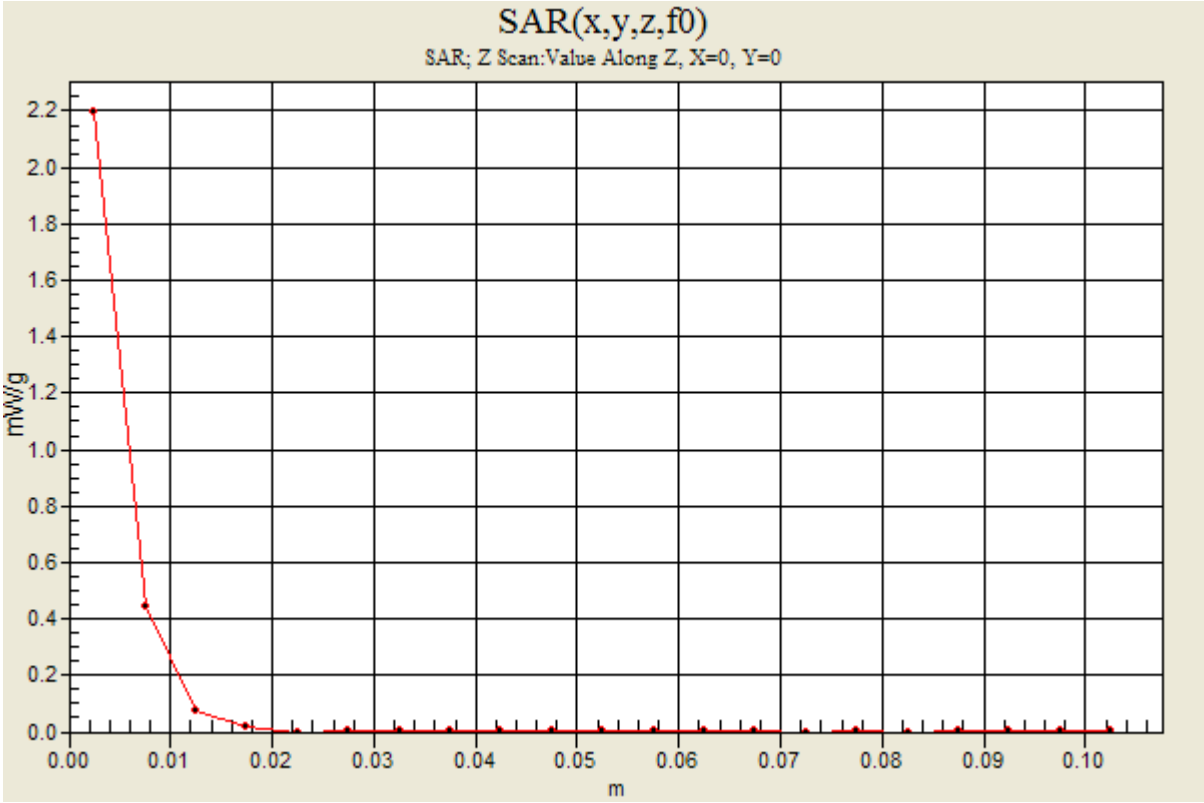
0 dB = 1.44mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/17/2012 6:39:50 PM

5GHz bands

Frequency: 5510 MHz; Duty Cycle: 1:1

802.11n HT40,Chain 0,1,2_Ch 102/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 2.20 mW/g



Test Laboratory: UL CCS SAR Lab D Date/Time: 4/17/2012 7:21:23 PM

5GHz bands

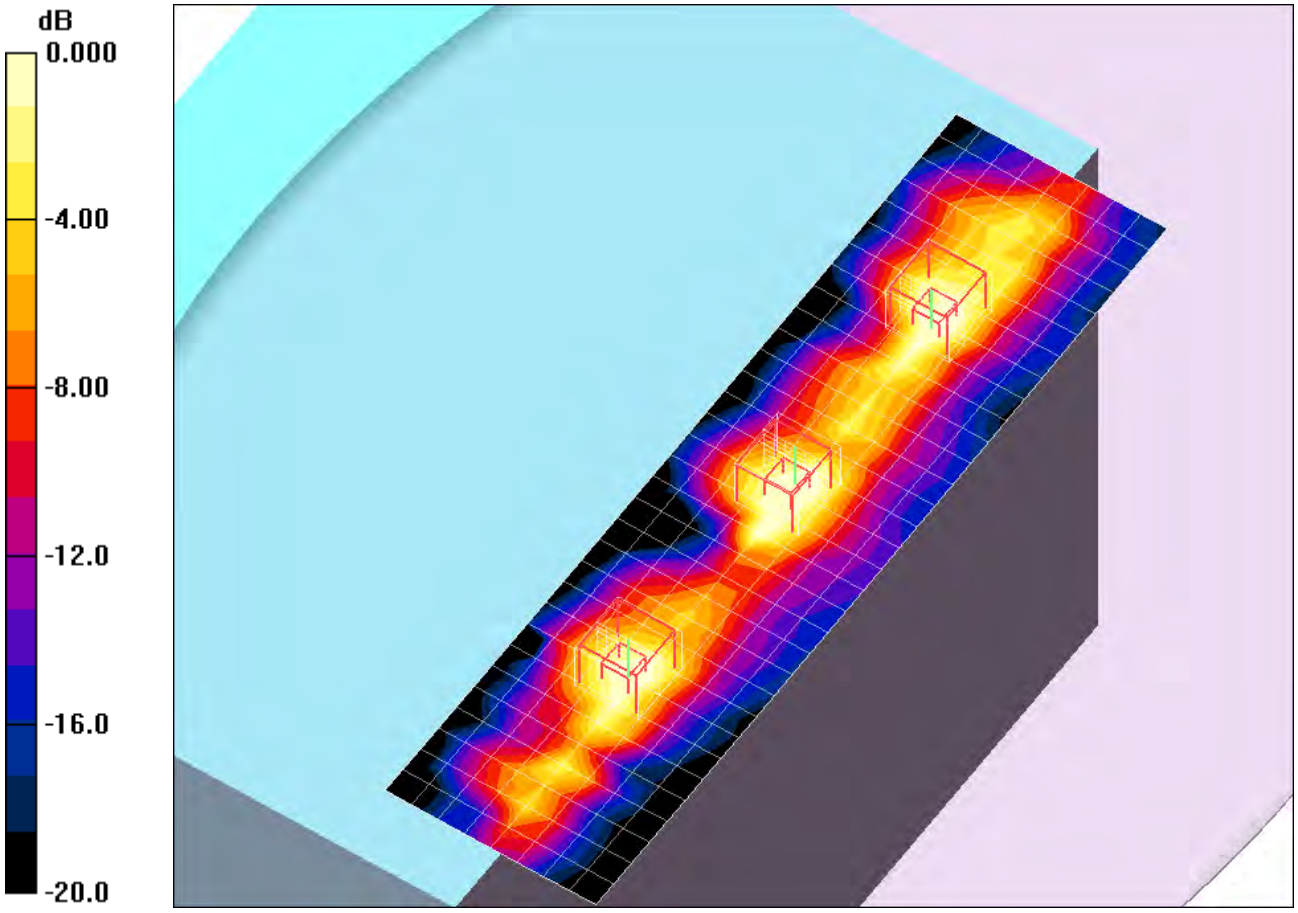
Frequency: 5550 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5550 MHz; σ = 5.64 mho/m; ε_r = 49; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.72, 3.72, 3.72); 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 110/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 3.01 mW/g

802.11n HT40,Chain 0_Ch 110/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 21.6 V/m; Power Drift = 0.126 dB
Peak SAR (extrapolated) = 4.92 W/kg
SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.346 mW/g
Maximum value of SAR (measured) = 2.17 mW/g

802.11n HT40,Chain 1_Ch 110/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 21.6 V/m; Power Drift = 0.126 dB
Peak SAR (extrapolated) = 4.26 W/kg
SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.351 mW/g
Maximum value of SAR (measured) = 2.06 mW/g

802.11n HT40,Chain 2_Ch 110/Zoom Scan (7x7x9)/Cube 2: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 21.6 V/m; Power Drift = 0.126 dB
Peak SAR (extrapolated) = 3.44 W/kg
SAR(1 g) = 0.887 mW/g; SAR(10 g) = 0.298 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: 4/17/2012 9:18:11 PM

5GHz bands

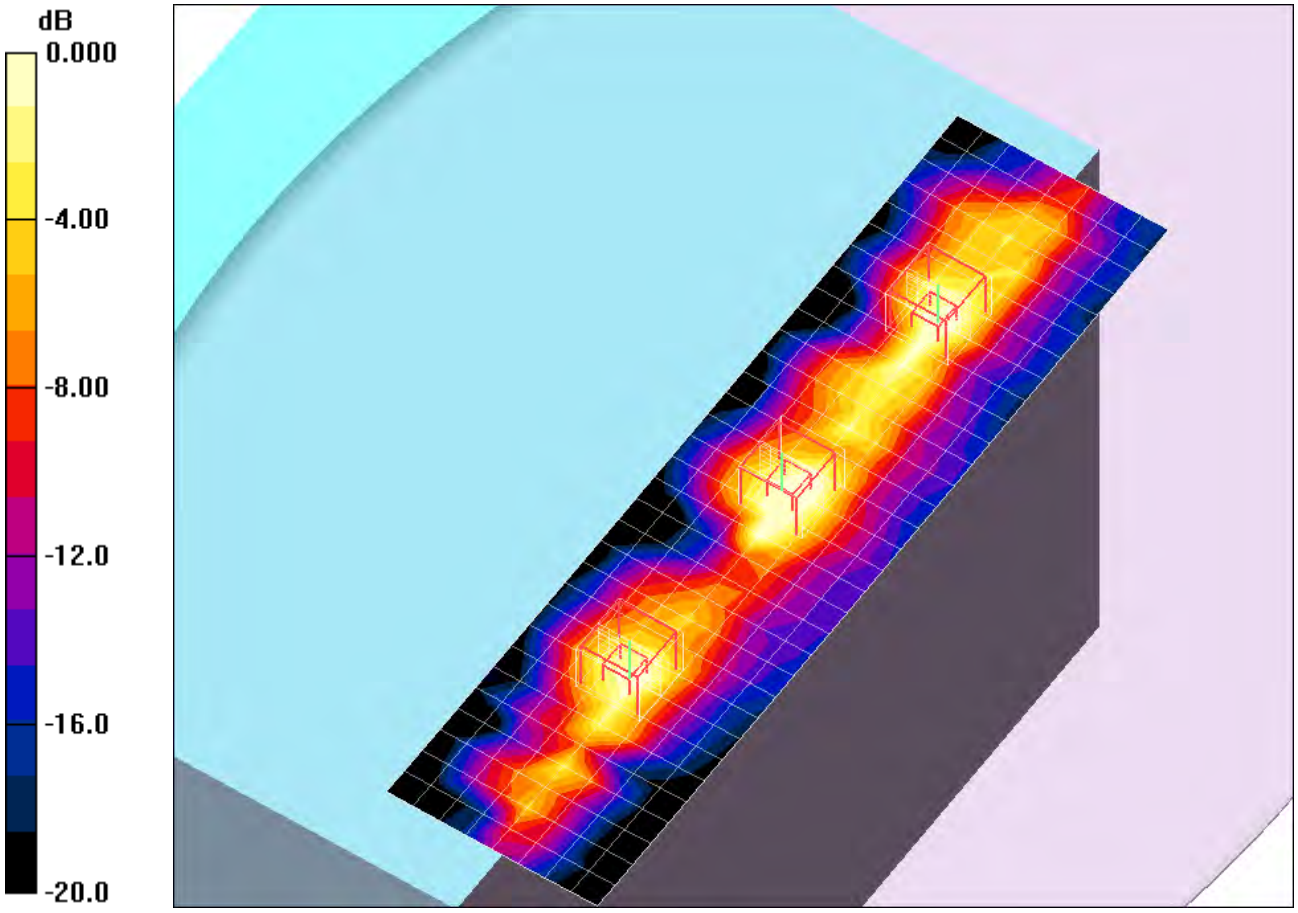
Frequency: 5670 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5670 MHz; σ = 5.8 mho/m; ε_r = 48.8; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.57, 3.57, 3.57); 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

802.11n HT40,Chain 0,1,2_Ch 134/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 3.02 mW/g

802.11n HT40,Chain 0_Ch 134/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 20.3 V/m; Power Drift = 0.017 dB
Peak SAR (extrapolated) = 4.71 W/kg
SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.294 mW/g
Maximum value of SAR (measured) = 1.93 mW/g

802.11n HT40,Chain 1_Ch 134/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 20.3 V/m; Power Drift = 0.017 dB
Peak SAR (extrapolated) = 4.69 W/kg
SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.360 mW/g
Maximum value of SAR (measured) = 2.05 mW/g

802.11n HT40,Chain 2_Ch 134/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 20.3 V/m; Power Drift = 0.017 dB
Peak SAR (extrapolated) = 3.40 W/kg
SAR(1 g) = 0.850 mW/g; SAR(10 g) = 0.274 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: 4/18/2012 12:11:31 AM

5GHz bands

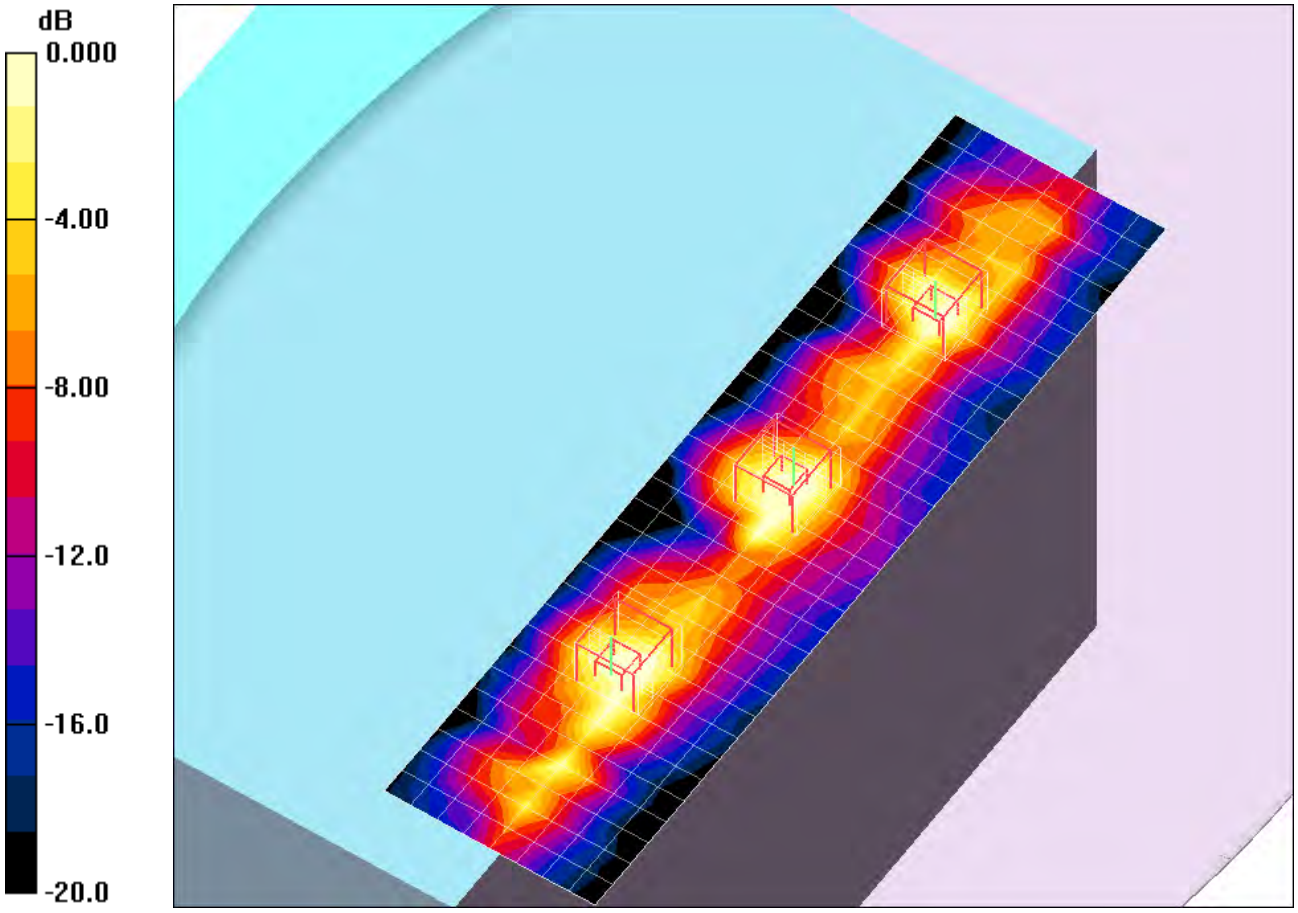
Frequency: 5510 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5510 MHz; σ = 5.6 mho/m; ε_r = 49.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.72, 3.72, 3.72); 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 102/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.46 mW/g

802.11n HT40,Chain 0_Ch 102/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 19.3 V/m; Power Drift = 0.076 dB
Peak SAR (extrapolated) = 3.87 W/kg
SAR(1 g) = 0.914 mW/g; SAR(10 g) = 0.272 mW/g
Maximum value of SAR (measured) = 1.81 mW/g

802.11n HT40,Chain 1_Ch 102/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 19.3 V/m; Power Drift = 0.076 dB
Peak SAR (extrapolated) = 3.86 W/kg
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.326 mW/g
Maximum value of SAR (measured) = 1.74 mW/g

802.11n HT40,Chain 2_Ch 102/Zoom Scan (7x7x9)/Cube 2: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 19.3 V/m; Power Drift = 0.076 dB
Peak SAR (extrapolated) = 3.46 W/kg
SAR(1 g) = 0.893 mW/g; SAR(10 g) = 0.303 mW/g
Maximum value of SAR (measured) = 1.50 mW/g



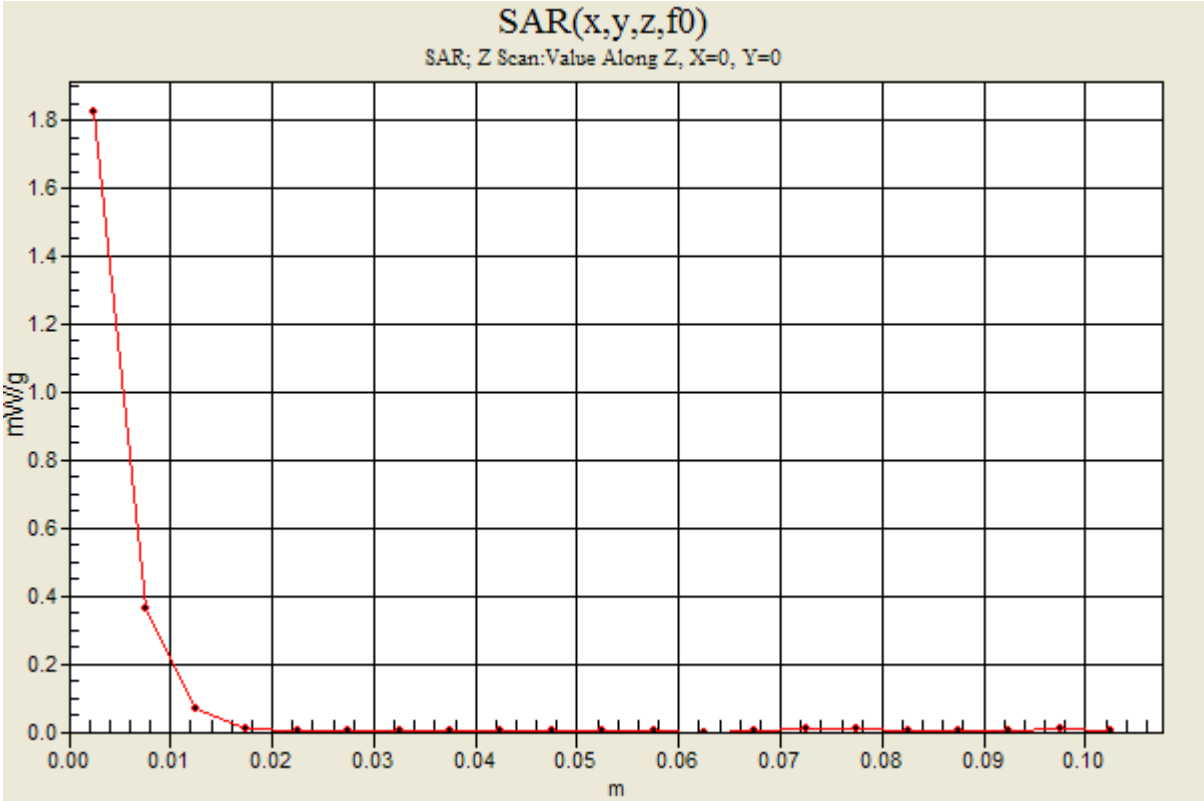
0 dB = 1.50mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/18/2012 1:04:10 AM

5GHz bands

Frequency: 5510 MHz; Duty Cycle: 1:1

802.11n HT40,Chain 0,1,2_Ch 102/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 1.82 mW/g



Test Laboratory: UL CCS SAR Lab D Date/Time: 4/18/2012 1:22:18 AM

5GHz bands

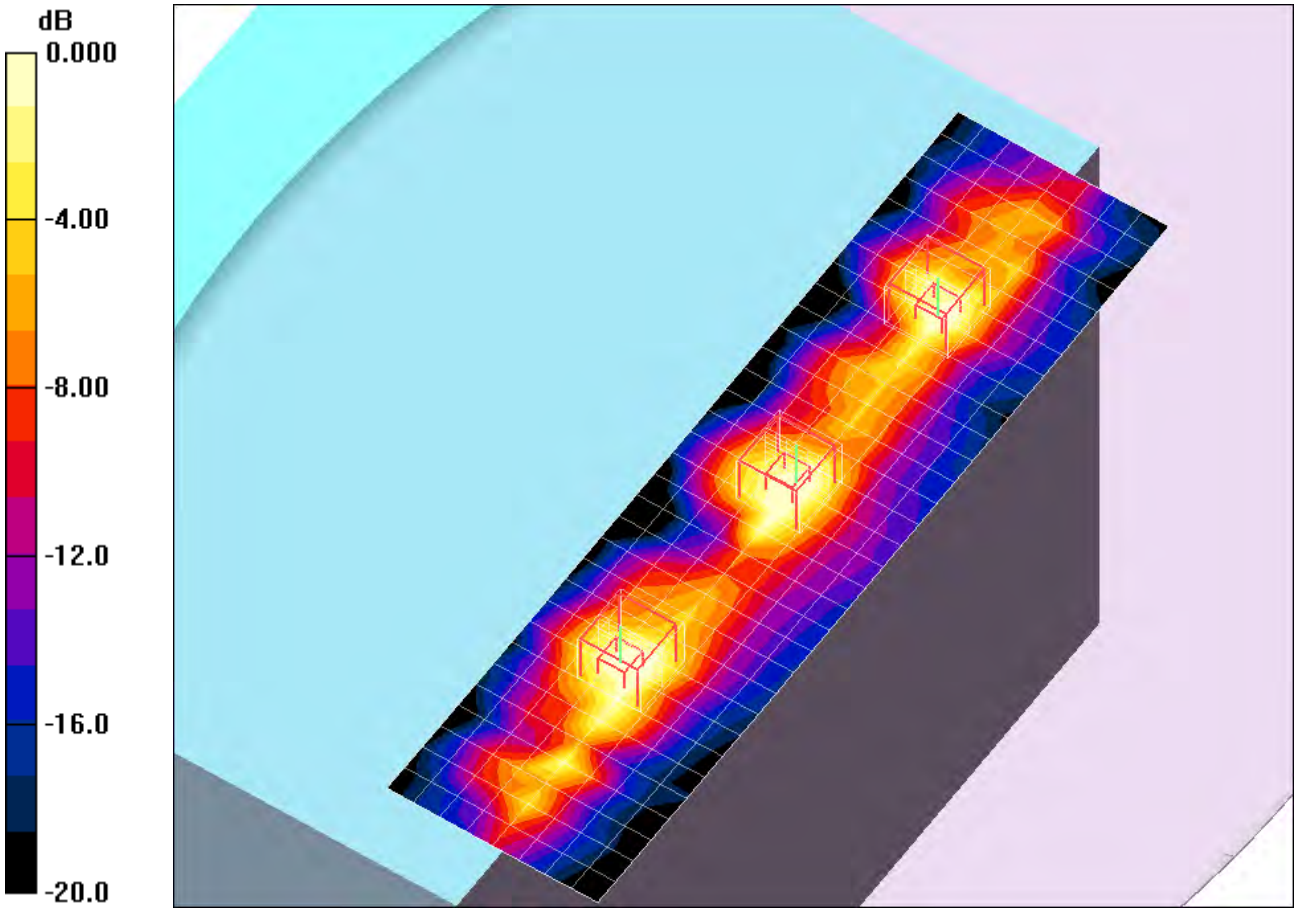
Frequency: 5550 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5550 MHz; σ = 5.64 mho/m; ε_r = 49; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.72, 3.72, 3.72); 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 110/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.39 mW/g

802.11n HT40,Chain 0_Ch 110/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 19.4 V/m; Power Drift = 0.097 dB
Peak SAR (extrapolated) = 3.78 W/kg
SAR(1 g) = 0.900 mW/g; SAR(10 g) = 0.275 mW/g
Maximum value of SAR (measured) = 1.76 mW/g

802.11n HT40,Chain 1_Ch 110/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 19.4 V/m; Power Drift = 0.097 dB
Peak SAR (extrapolated) = 3.66 W/kg
SAR(1 g) = 0.982 mW/g; SAR(10 g) = 0.319 mW/g
Maximum value of SAR (measured) = 1.70 mW/g

802.11n HT40,Chain 2_Ch 110/Zoom Scan (7x7x9)/Cube 2: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 19.4 V/m; Power Drift = 0.097 dB
Peak SAR (extrapolated) = 3.44 W/kg
SAR(1 g) = 0.906 mW/g; SAR(10 g) = 0.307 mW/g
Maximum value of SAR (measured) = 1.56 mW/g



0 dB = 1.56mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/18/2012 2:37:56 AM

5GHz bands

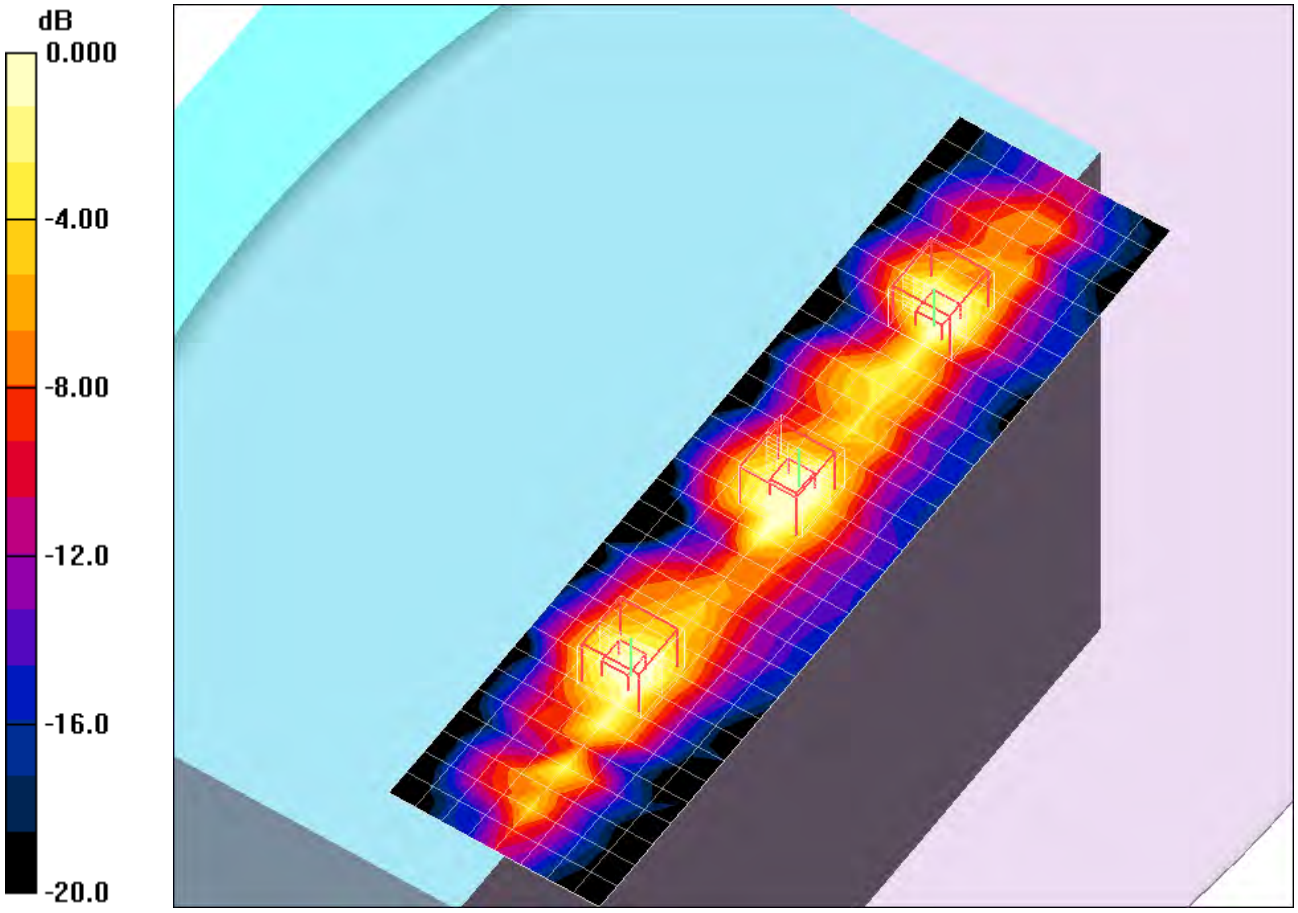
Frequency: 5670 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5670 MHz; σ = 5.8 mho/m; ε_r = 48.8; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.57, 3.57, 3.57); 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

802.11n HT40,Chain 0,1,2_Ch 134/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.45 mW/g

802.11n HT40,Chain 0_Ch 134/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 18.6 V/m; Power Drift = 0.008 dB
Peak SAR (extrapolated) = 4.06 W/kg
SAR(1 g) = 0.882 mW/g; SAR(10 g) = 0.271 mW/g
Maximum value of SAR (measured) = 1.78 mW/g

802.11n HT40,Chain 1_Ch 134/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 18.6 V/m; Power Drift = 0.008 dB
Peak SAR (extrapolated) = 3.92 W/kg
SAR(1 g) = 1.000 mW/g; SAR(10 g) = 0.323 mW/g
Maximum value of SAR (measured) = 1.75 mW/g

802.11n HT40,Chain 2_Ch 134/Zoom Scan (7x7x9)/Cube 2: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 18.6 V/m; Power Drift = 0.008 dB
Peak SAR (extrapolated) = 3.30 W/kg
SAR(1 g) = 0.843 mW/g; SAR(10 g) = 0.279 mW/g
Maximum value of SAR (measured) = 1.46 mW/g



0 dB = 1.46mW/g

5GHz bands

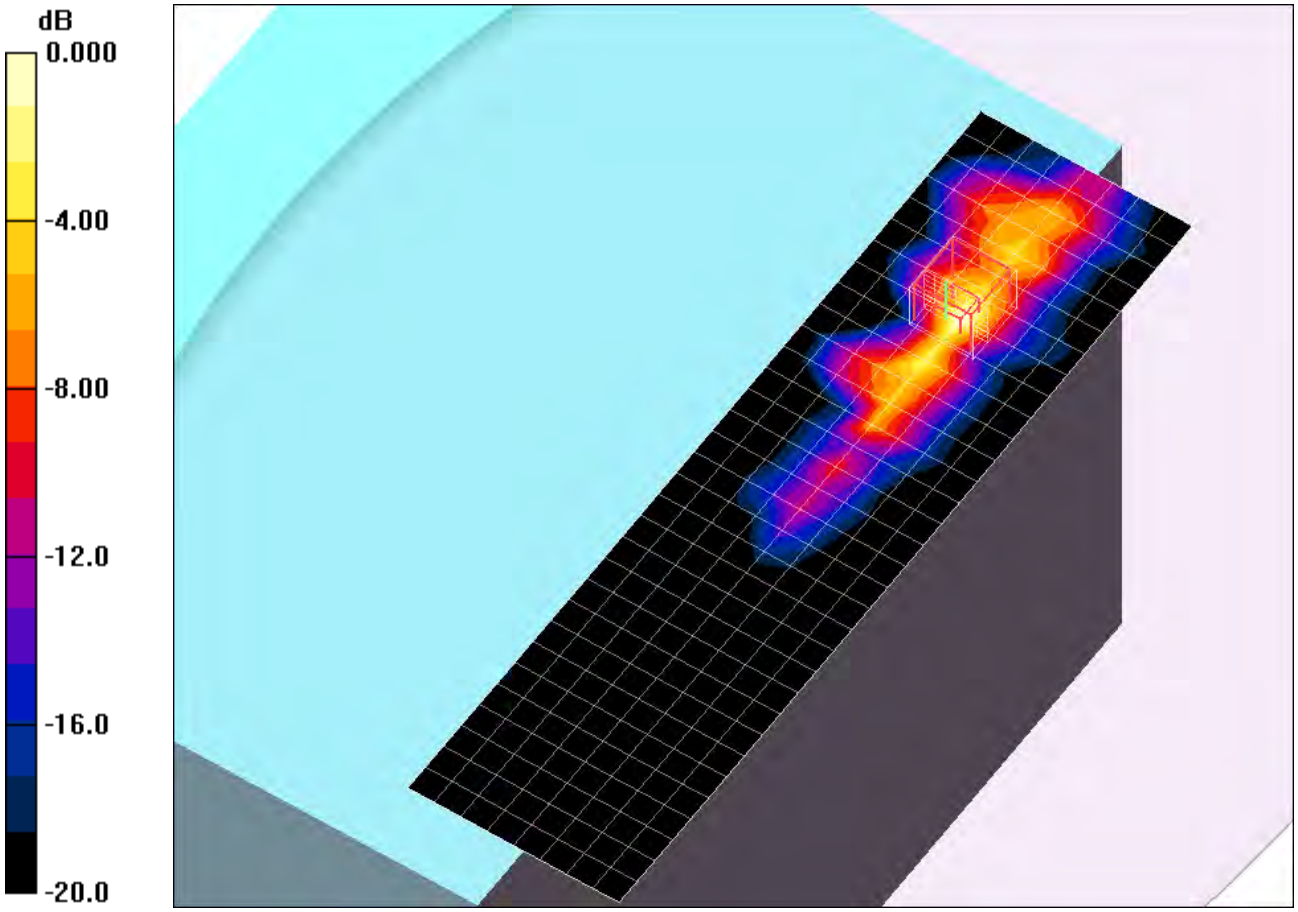
Frequency: 5745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5745 MHz; σ = 5.72 mho/m; ε_r = 48.9; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.81, 3.81, 3.81); 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 149/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.37 mW/g

802.11a,Chain 0_Ch 149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 19.9 V/m; Power Drift = 0.027 dB
Peak SAR (extrapolated) = 6.62 W/kg
SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.276 mW/g
Maximum value of SAR (measured) = 2.24 mW/g



0 dB = 2.24mW/g

5GHz bands

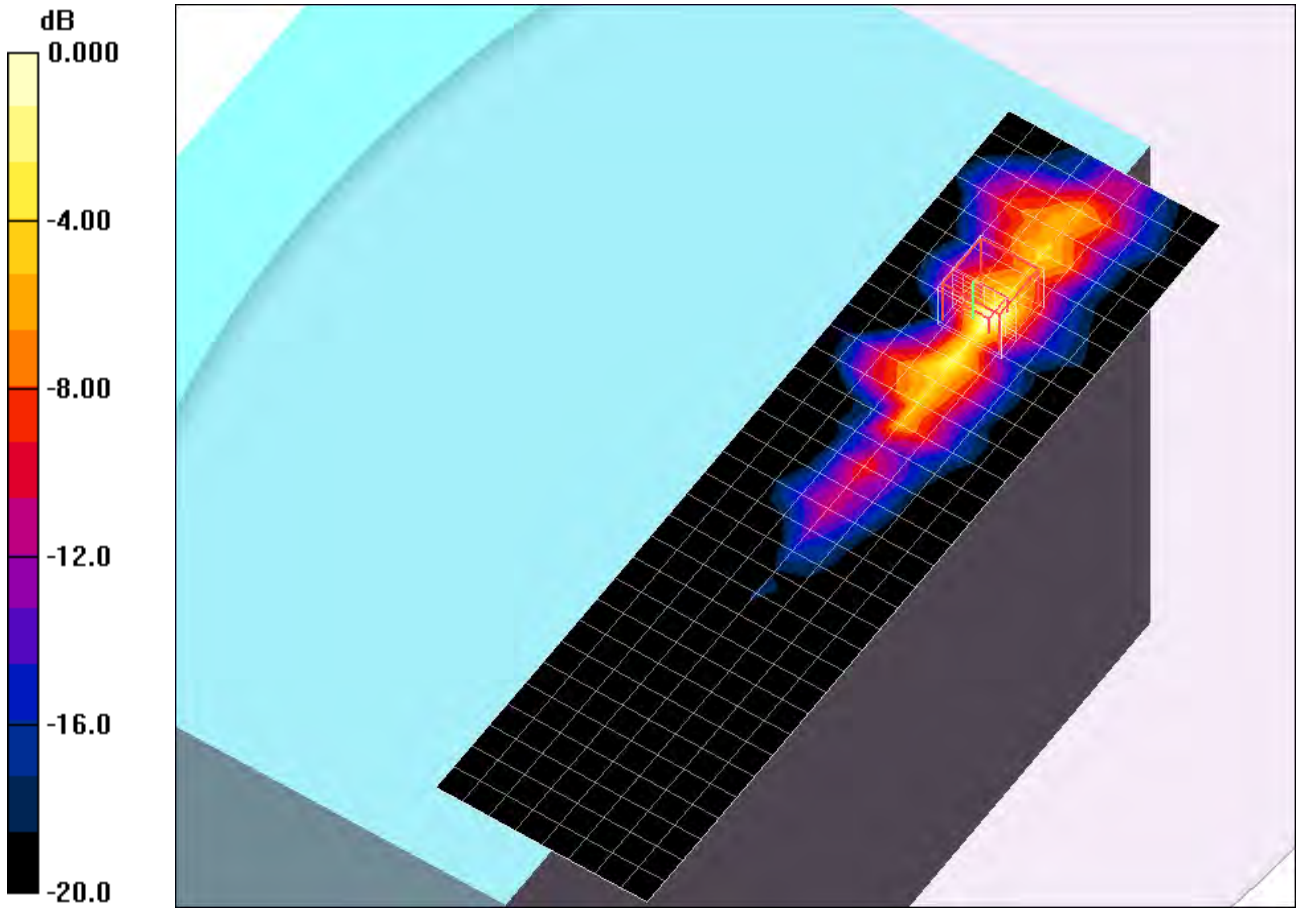
Frequency: 5785 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5785 MHz; σ = 5.78 mho/m; ε_r = 48.8; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.81, 3.81, 3.81); 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 157/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.32 mW/g

802.11a,Chain 0_Ch 157/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 19.4 V/m; Power Drift = 0.089 dB
Peak SAR (extrapolated) = 6.28 W/kg
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.255 mW/g
Maximum value of SAR (measured) = 2.19 mW/g



0 dB = 2.19mW/g

5GHz bands

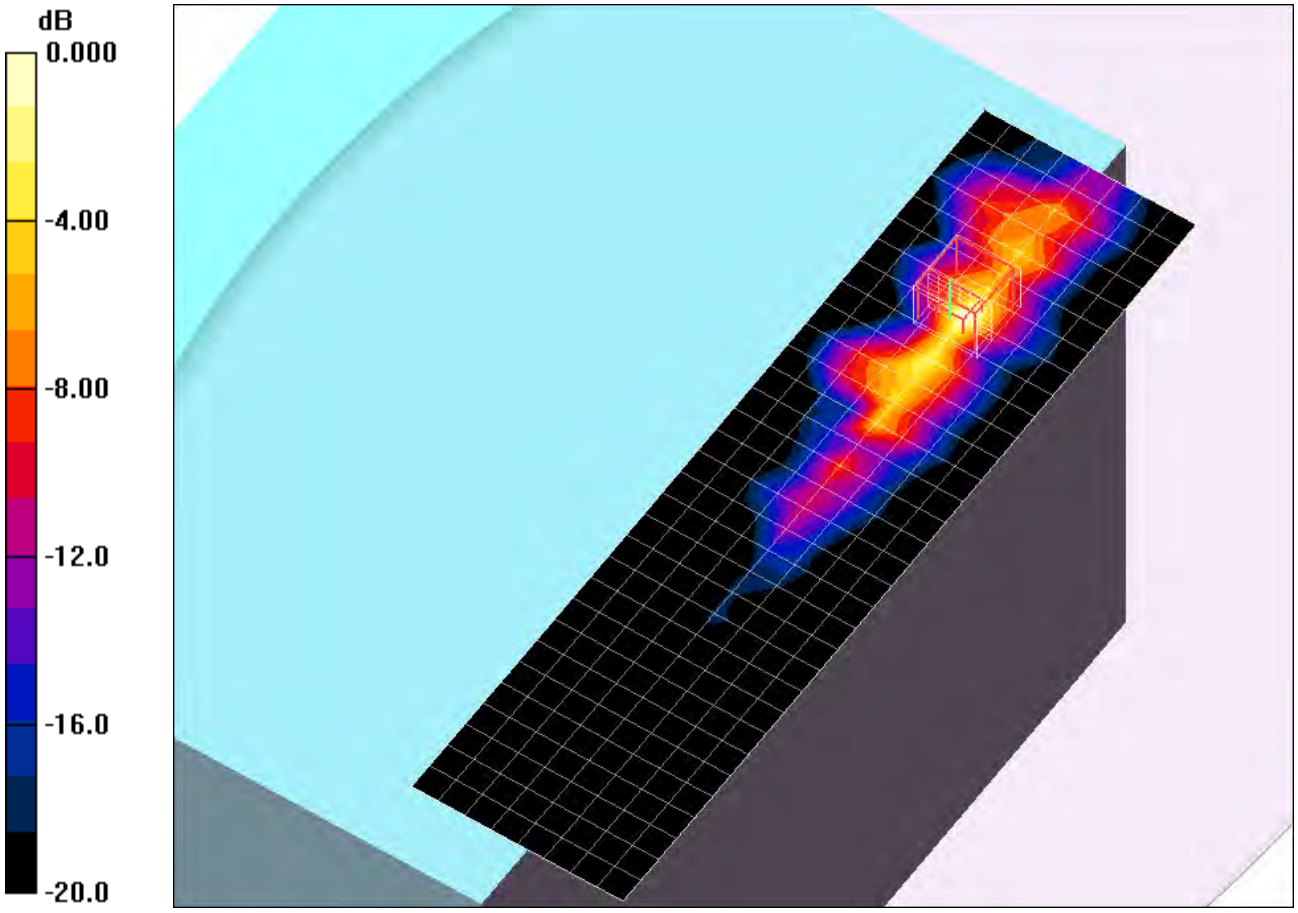
Frequency: 5825 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5825 MHz; σ = 5.83 mho/m; ε_r = 48.8; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.81, 3.81, 3.81); 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 165/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.39 mW/g

802.11a,Chain 0_Ch 165/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 19.6 V/m; Power Drift = 0.095 dB
Peak SAR (extrapolated) = 6.37 W/kg
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.248 mW/g
Maximum value of SAR (measured) = 2.19 mW/g



0 dB = 2.19mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/12/2012 9:55:09 PM

5GHz bands

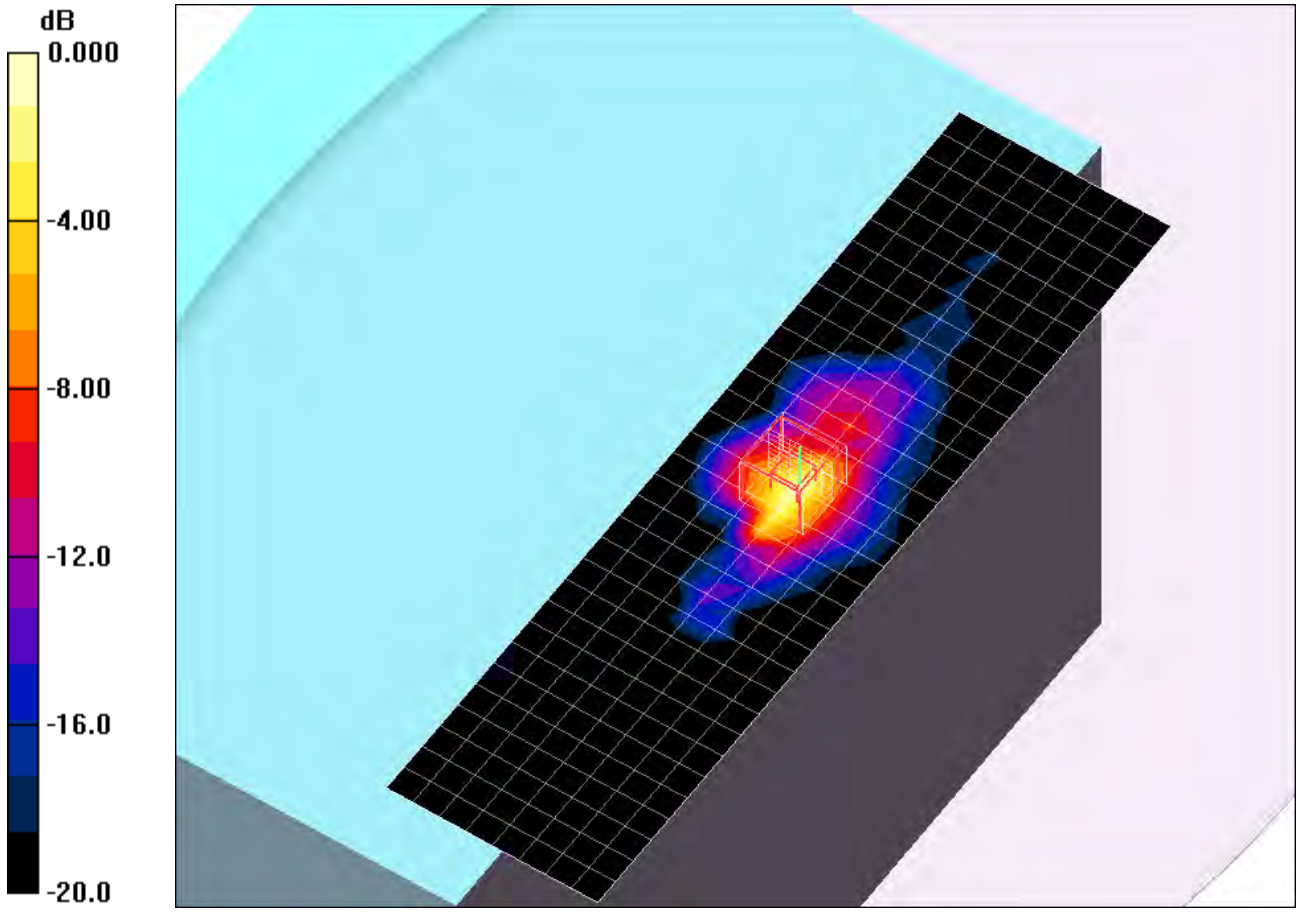
Frequency: 5745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5745 MHz; σ = 5.84 mho/m; ε_r = 46.9; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.81, 3.81, 3.81); 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 149/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.76 mW/g

802.11a,Chain 1 Ch 149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 19.7 V/m; Power Drift = 0.037 dB
Peak SAR (extrapolated) = 4.94 W/kg
SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.345 mW/g
Maximum value of SAR (measured) = 2.02 mW/g



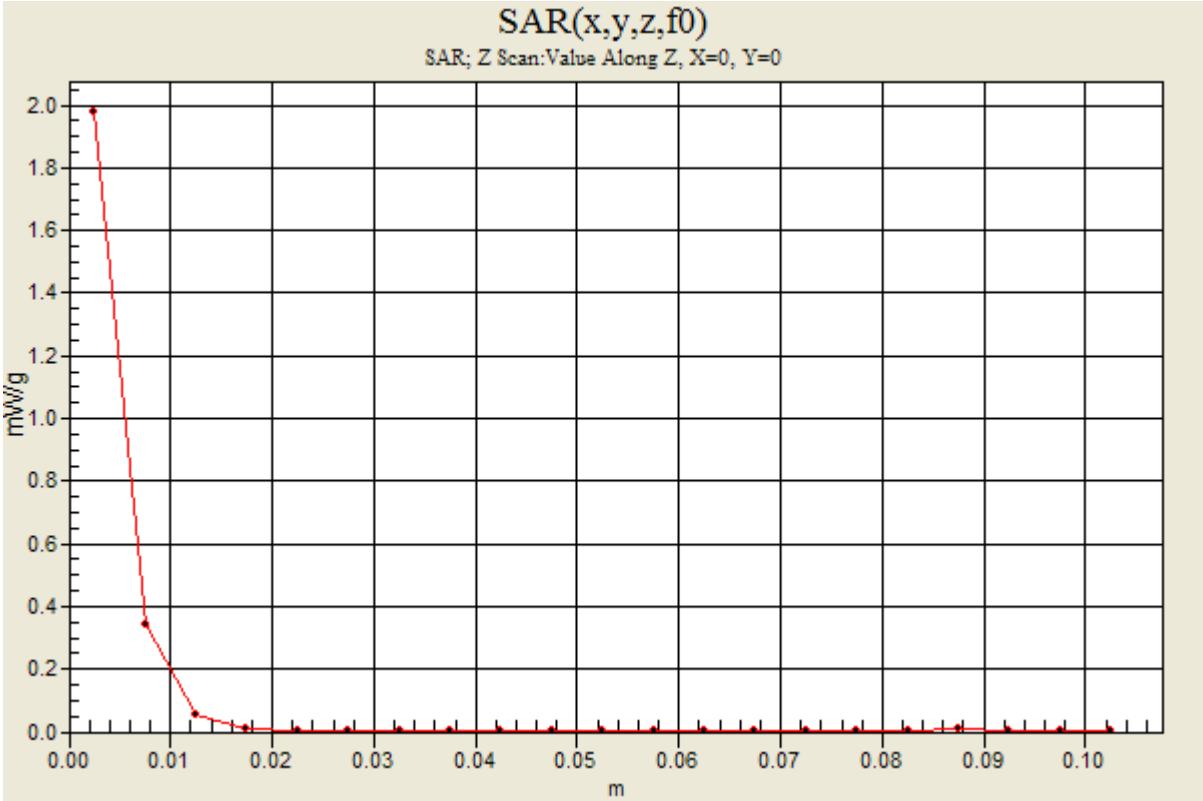
0 dB = 2.02mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/12/2012 10:27:05 PM

5GHz bands

Frequency: 5745 MHz; Duty Cycle: 1:1

802.11a,Chain 1 Ch 149/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 1.98 mW/g



Test Laboratory: UL CCS SAR Lab D Date/Time: 4/12/2012 11:26:05 PM

5GHz bands

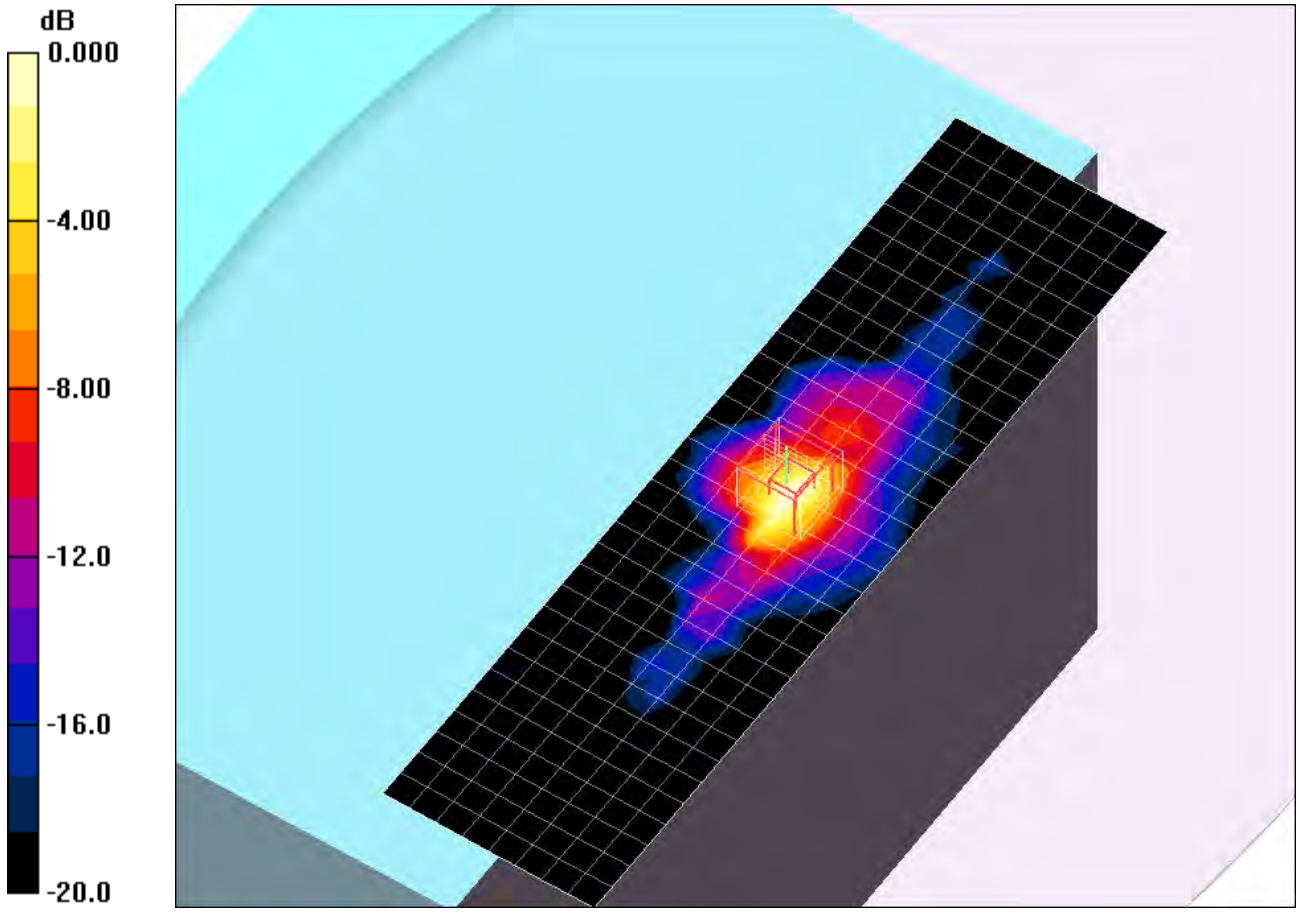
Frequency: 5785 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5785 MHz; σ = 5.91 mho/m; ε_r = 46.8; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.81, 3.81, 3.81); 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 157/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.14 mW/g

802.11a,Chain 1 Ch 157/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 18.5 V/m; Power Drift = 0.082 dB
Peak SAR (extrapolated) = 4.61 W/kg
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.322 mW/g
Maximum value of SAR (measured) = 1.84 mW/g



0 dB = 1.84mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/13/2012 2:01:41 AM

5GHz bands

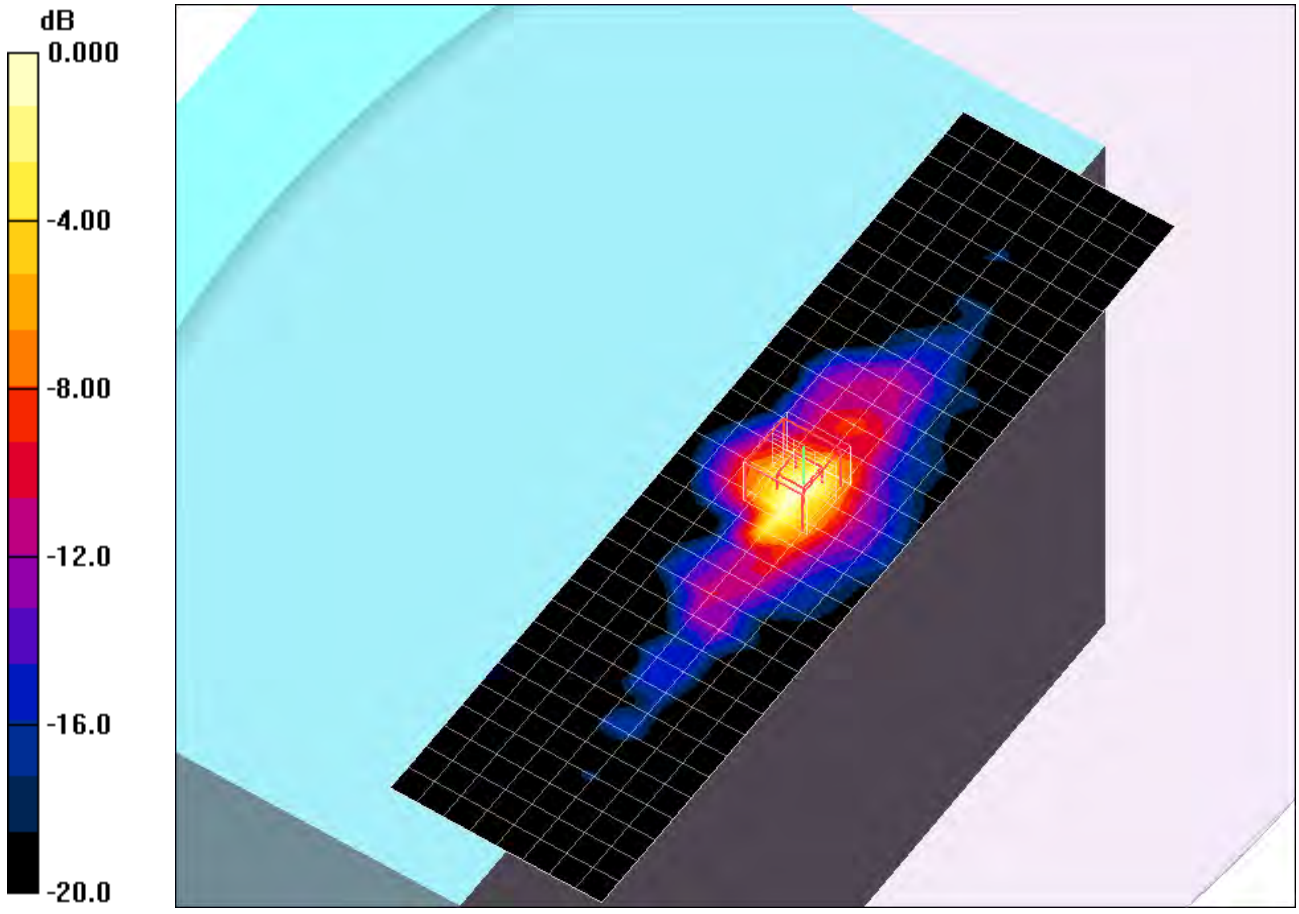
Frequency: 5825 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5825 MHz; σ = 5.96 mho/m; ε_r = 46.8; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.81, 3.81, 3.81); 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 165/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.10 mW/g

802.11a,Chain 1 Ch 165/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 18.8 V/m; Power Drift = 0.033 dB
Peak SAR (extrapolated) = 4.87 W/kg
SAR(1 g) = 1 mW/g; SAR(10 g) = 0.306 mW/g
Maximum value of SAR (measured) = 1.86 mW/g



0 dB = 1.86mW/g

5GHz bands

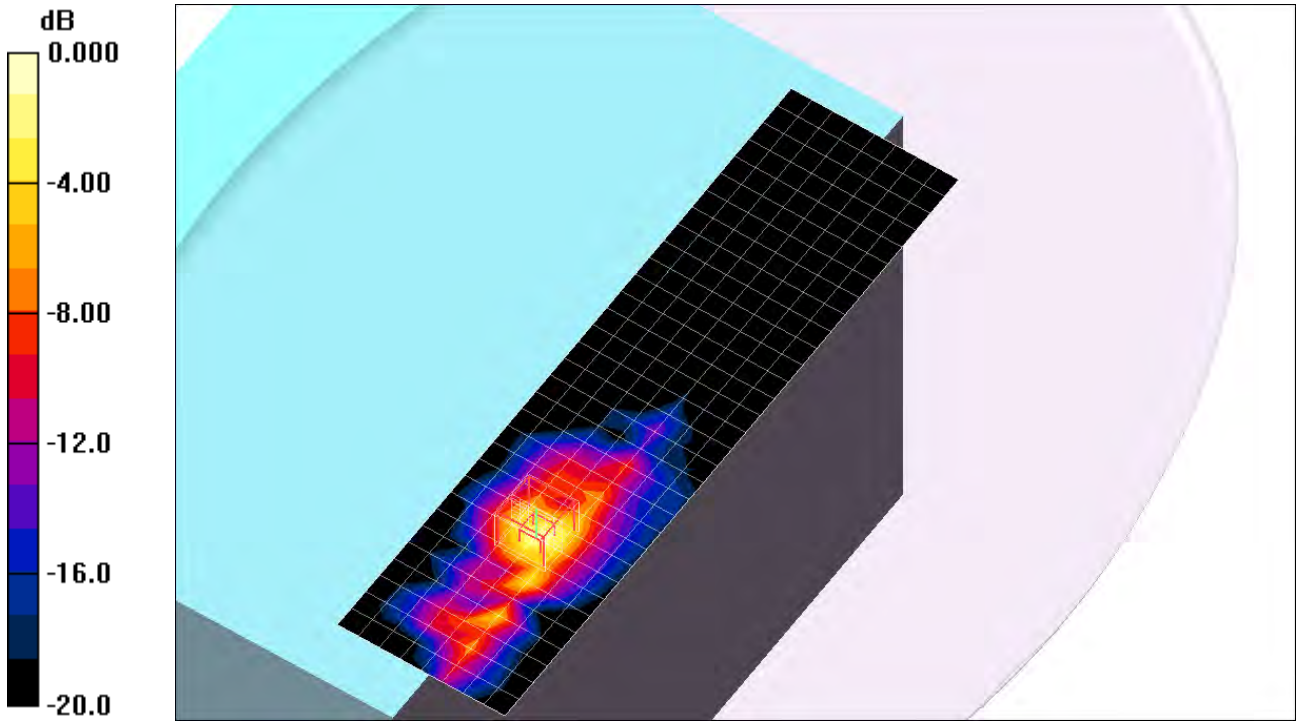
Frequency: 5785 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5785 MHz; σ = 5.81 mho/m; ε_r = 50.5; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.81, 3.81, 3.81); 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 153/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.44 mW/g

802.11a,Chain 2_Ch 153/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 18.5 V/m; Power Drift = -0.041 dB
Peak SAR (extrapolated) = 4.07 W/kg
SAR(1 g) = 0.897 mW/g; SAR(10 g) = 0.284 mW/g
Maximum value of SAR (measured) = 1.76 mW/g



0 dB = 1.76mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/10/2012 10:02:30 AM

5GHz bands

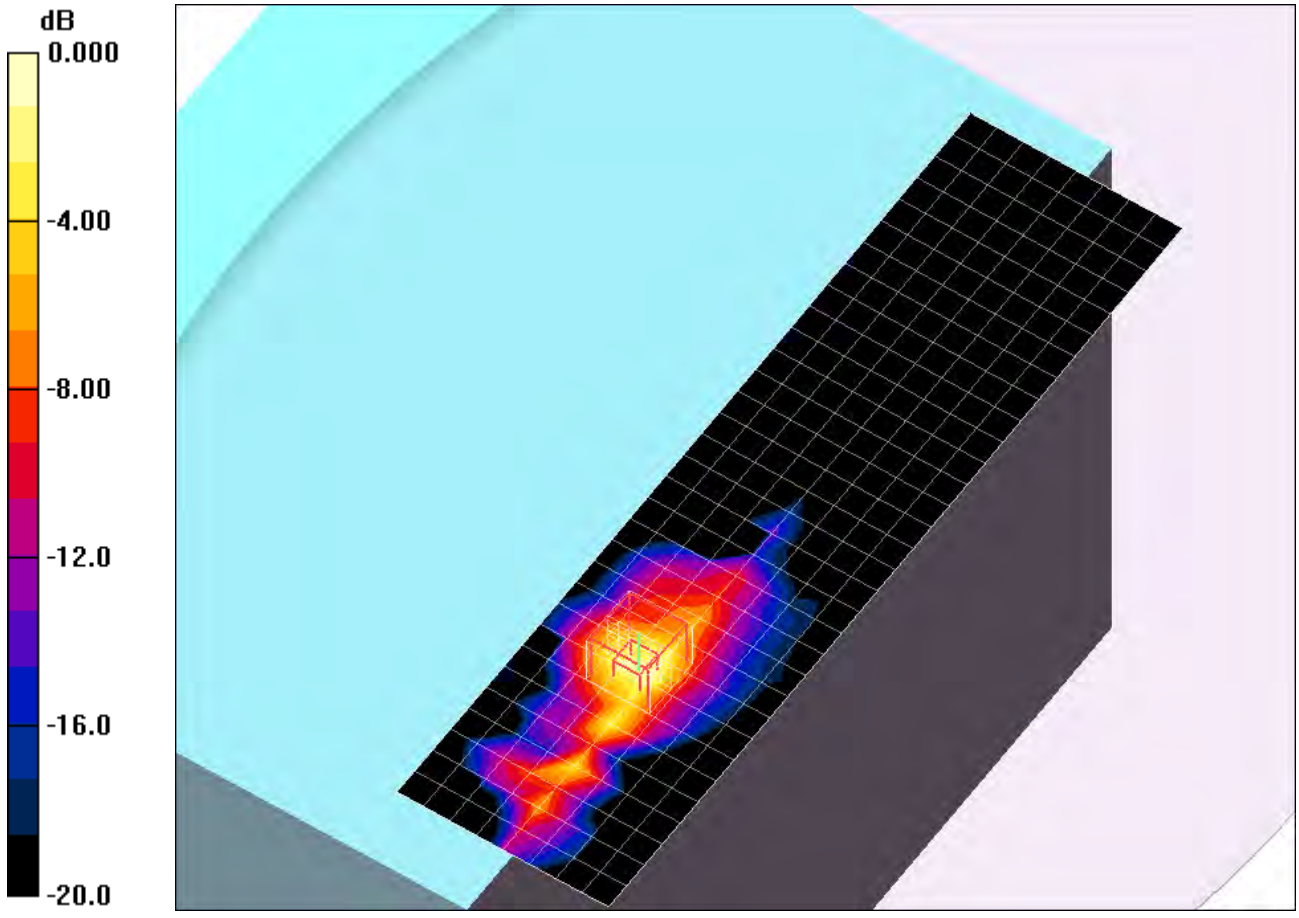
Frequency: 5785 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5785 MHz; σ = 5.78 mho/m; ε_r = 48.8; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.81, 3.81, 3.81); Calibrated: 1/27/2012
- 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 (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.10 mW/g

802.11a,Chain 2_Ch 157/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 14.7 V/m; Power Drift = 0.040 dB
Peak SAR (extrapolated) = 4.23 W/kg
SAR(1 g) = 0.837 mW/g; SAR(10 g) = 0.258 mW/g
Maximum value of SAR (measured) = 1.56 mW/g



0 dB = 1.56mW/g

5GHz bands

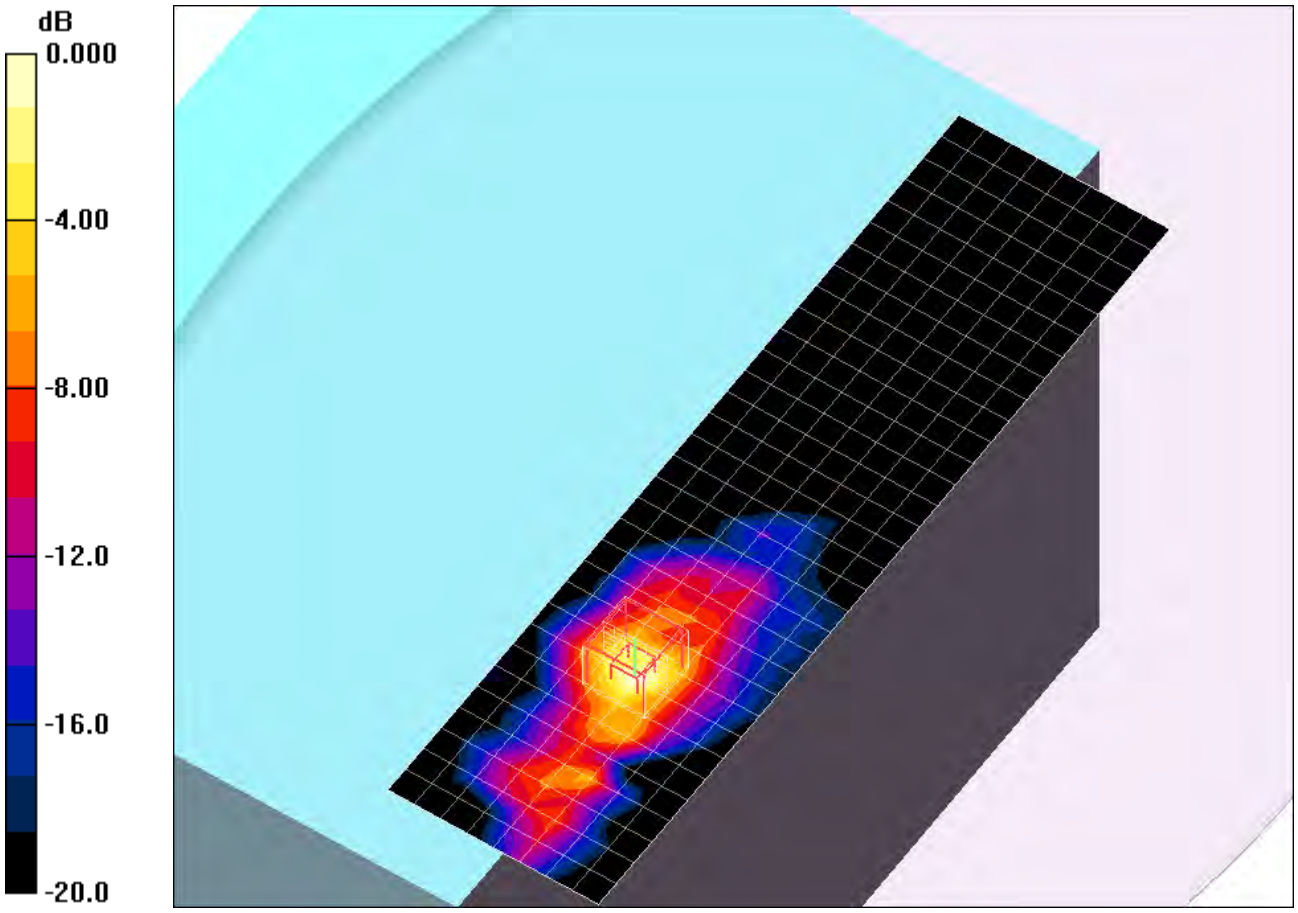
Frequency: 5805 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5805 MHz; σ = 5.93 mho/m; ε_r = 46.8; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.81, 3.81, 3.81); 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 161/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.58 mW/g

802.11a,Chain 2 Ch 161/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 16.5 V/m; Power Drift = 0.083 dB
Peak SAR (extrapolated) = 3.63 W/kg
SAR(1 g) = 0.751 mW/g; SAR(10 g) = 0.231 mW/g
Maximum value of SAR (measured) = 1.49 mW/g



0 dB = 1.49mW/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 = 5.77 mho/m; ε_r = 48.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.81, 3.81, 3.81); 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 0,1_Ch 149/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

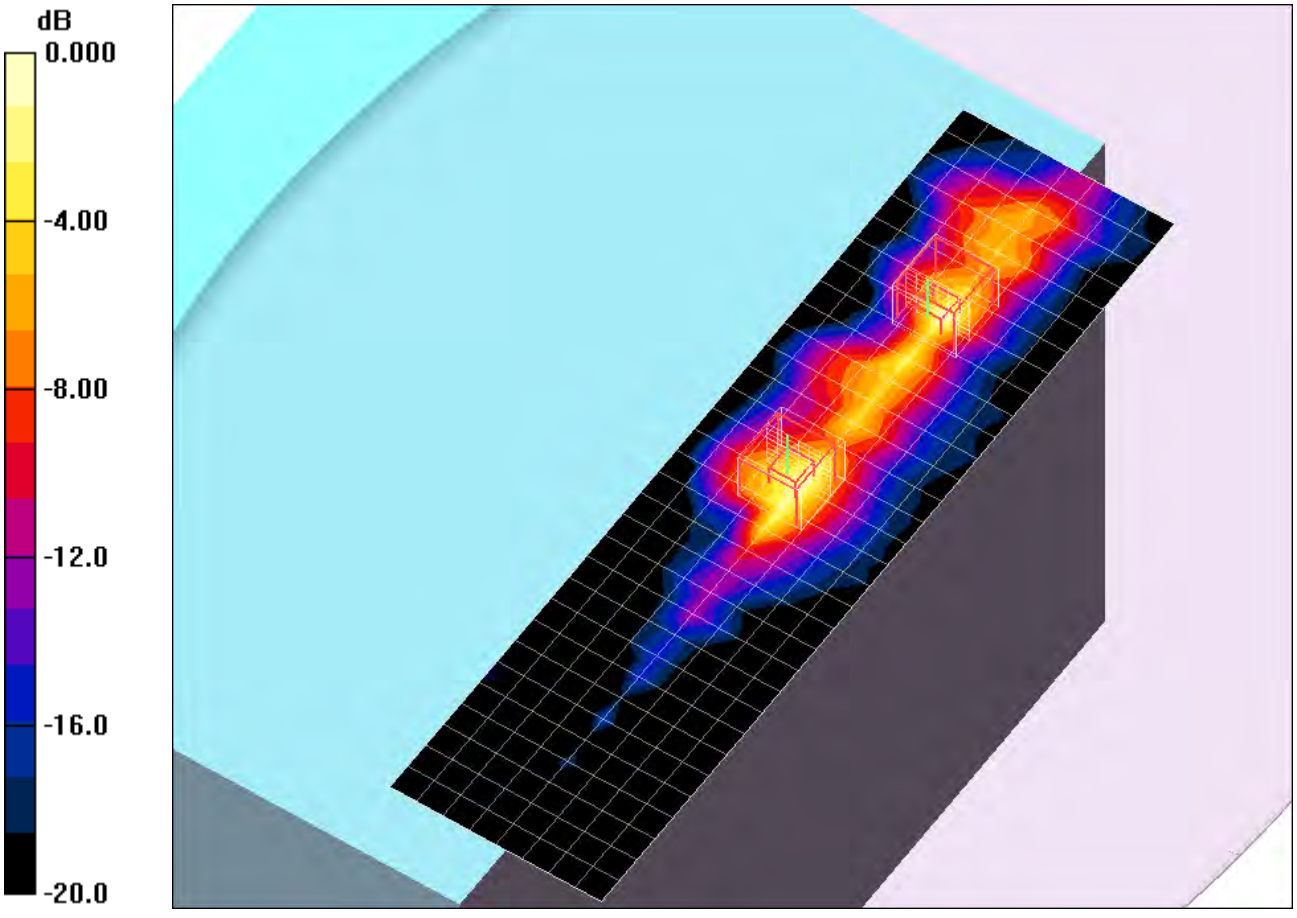
Maximum value of SAR (measured) = 1.55 mW/g

802.11a,Chain 0_Ch 149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 17.7 V/m; Power Drift = 0.045 dB
Peak SAR (extrapolated) = 4.87 W/kg
SAR(1 g) = 0.869 mW/g; SAR(10 g) = 0.224 mW/g
Maximum value of SAR (measured) = 1.83 mW/g

802.11a,Chain 1_Ch 149/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 17.7 V/m; Power Drift = 0.045 dB
Peak SAR (extrapolated) = 4.31 W/kg
SAR(1 g) = 0.966 mW/g; SAR(10 g) = 0.305 mW/g
Maximum value of SAR (measured) = 1.74 mW/g



0 dB = 1.74mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/10/2012 6:22:47 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 = 5.82 mho/m; ε_r = 48; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.81, 3.81, 3.81); 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 0,1_Ch 157/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

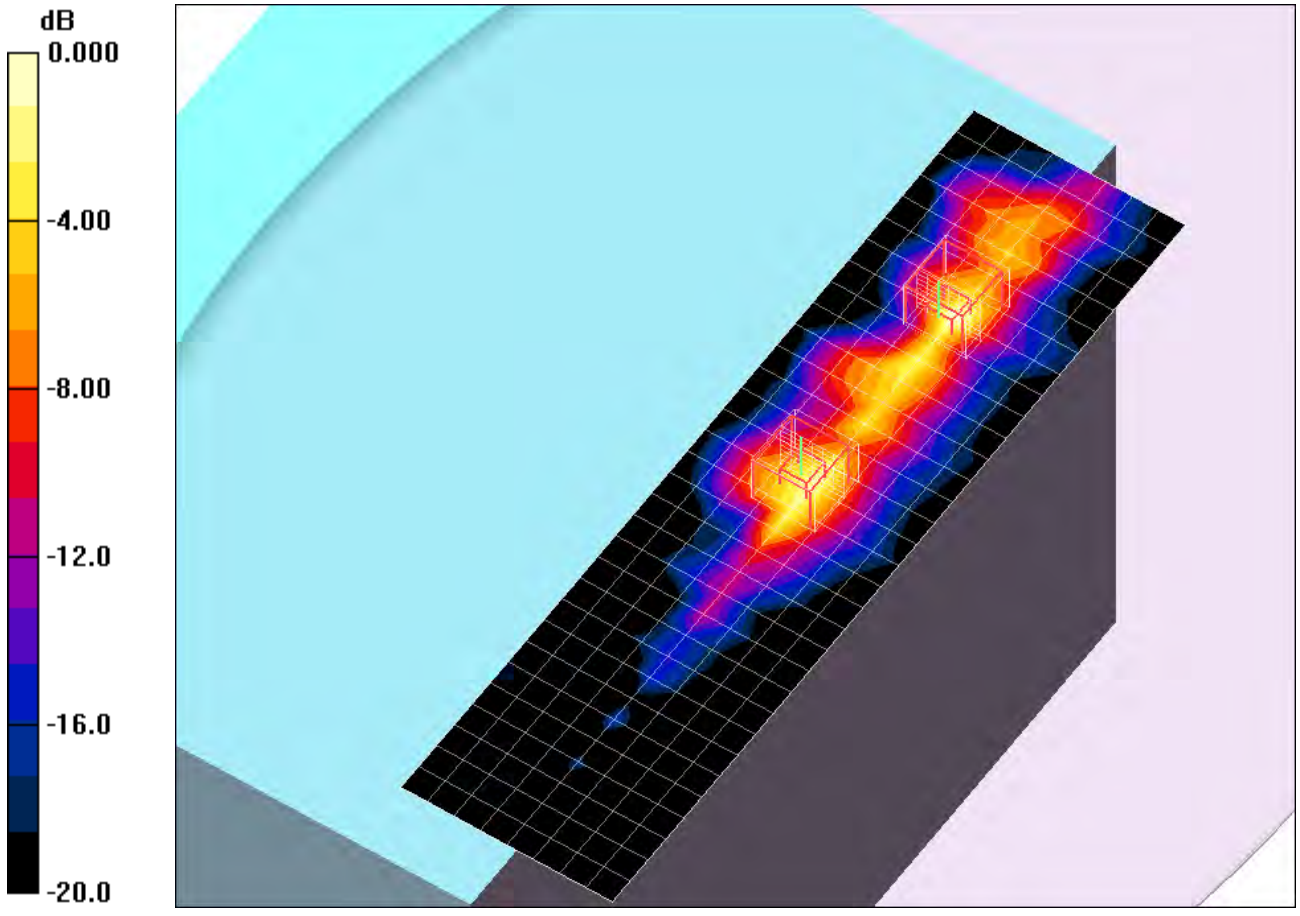
Maximum value of SAR (measured) = 2.00 mW/g

802.11a,Chain 0_Ch 157/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 19.8 V/m; Power Drift = 0.026 dB
Peak SAR (extrapolated) = 6.74 W/kg
SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.276 mW/g
Maximum value of SAR (measured) = 2.41 mW/g

802.11a,Chain 1_Ch 157/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 19.8 V/m; Power Drift = 0.026 dB
Peak SAR (extrapolated) = 4.68 W/kg
SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.325 mW/g
Maximum value of SAR (measured) = 1.97 mW/g



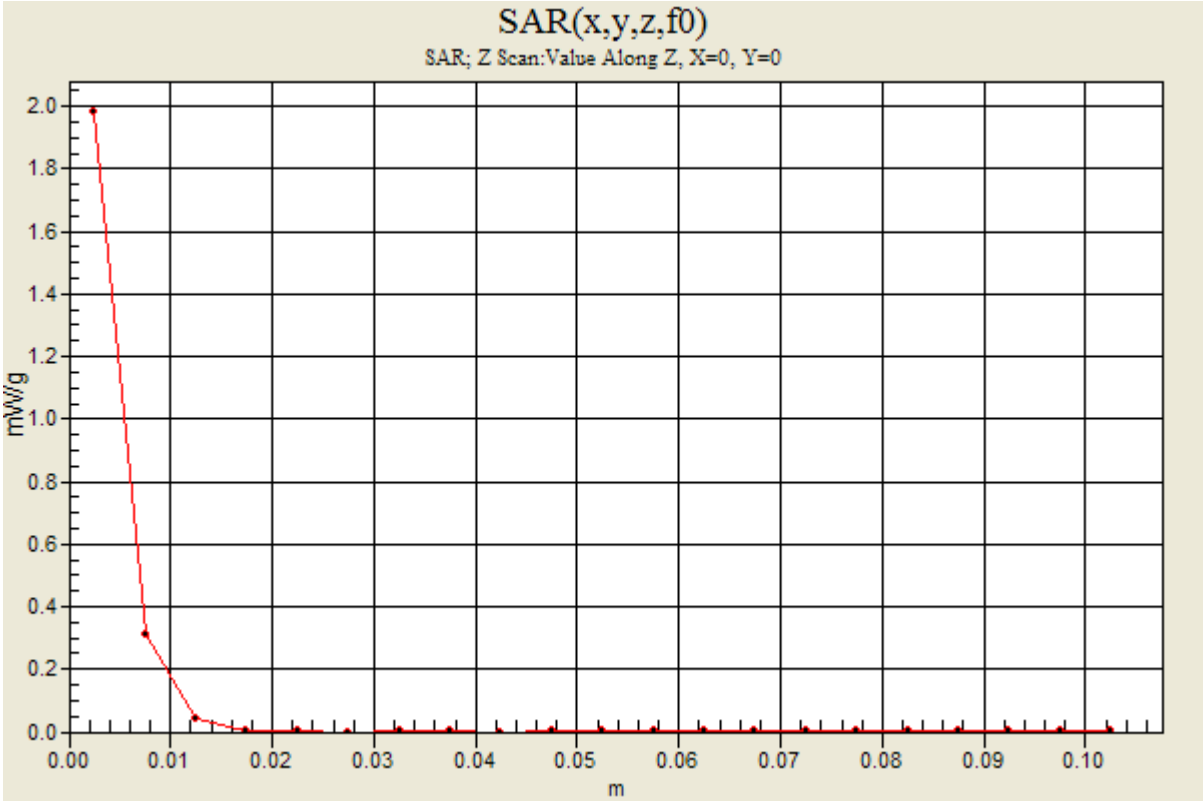
0 dB = 1.97mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/10/2012 7:03:25 AM

5GHz bands

Frequency: 5785 MHz; Duty Cycle: 1:1

802.11a,Chain 0,1_Ch 157/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 1.98 mW/g



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 = 5.88 mho/m; ε_r = 47.9; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.81, 3.81, 3.81); 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 0,1_Ch 165/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

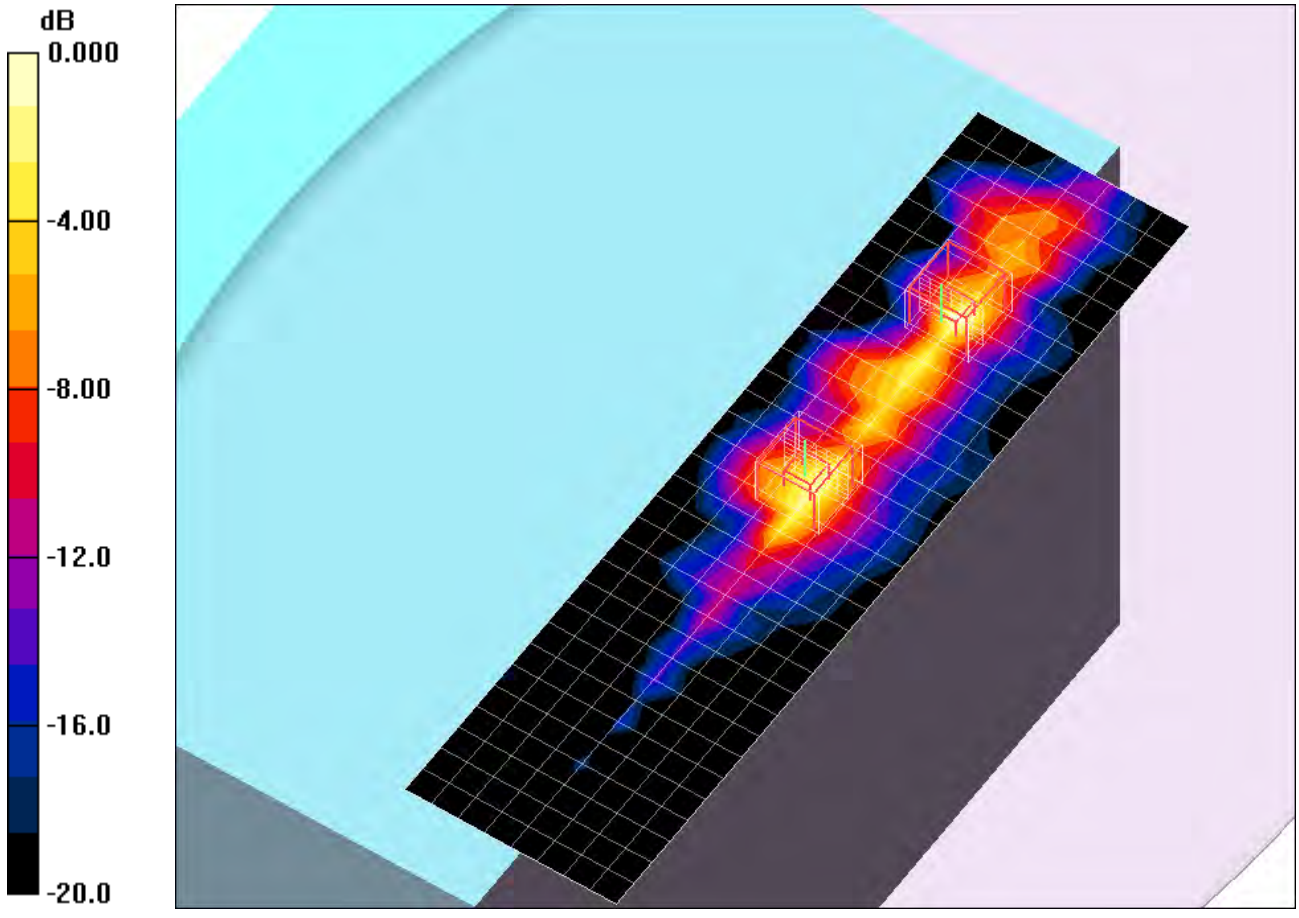
Maximum value of SAR (measured) = 1.95 mW/g

802.11a,Chain 0_Ch 165/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 19.3 V/m; Power Drift = 0.084 dB
Peak SAR (extrapolated) = 6.70 W/kg
SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.255 mW/g
Maximum value of SAR (measured) = 2.15 mW/g

802.11a,Chain 1_Ch 165/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 19.3 V/m; Power Drift = 0.084 dB
Peak SAR (extrapolated) = 4.67 W/kg
SAR(1 g) = 1 mW/g; SAR(10 g) = 0.308 mW/g
Maximum value of SAR (measured) = 1.92 mW/g



0 dB = 1.92mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 6/21/2012 4:54:19 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 = 5.81 mho/m; ε_r = 50.5; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.81, 3.81, 3.81); 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 0,2_Ch 153/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

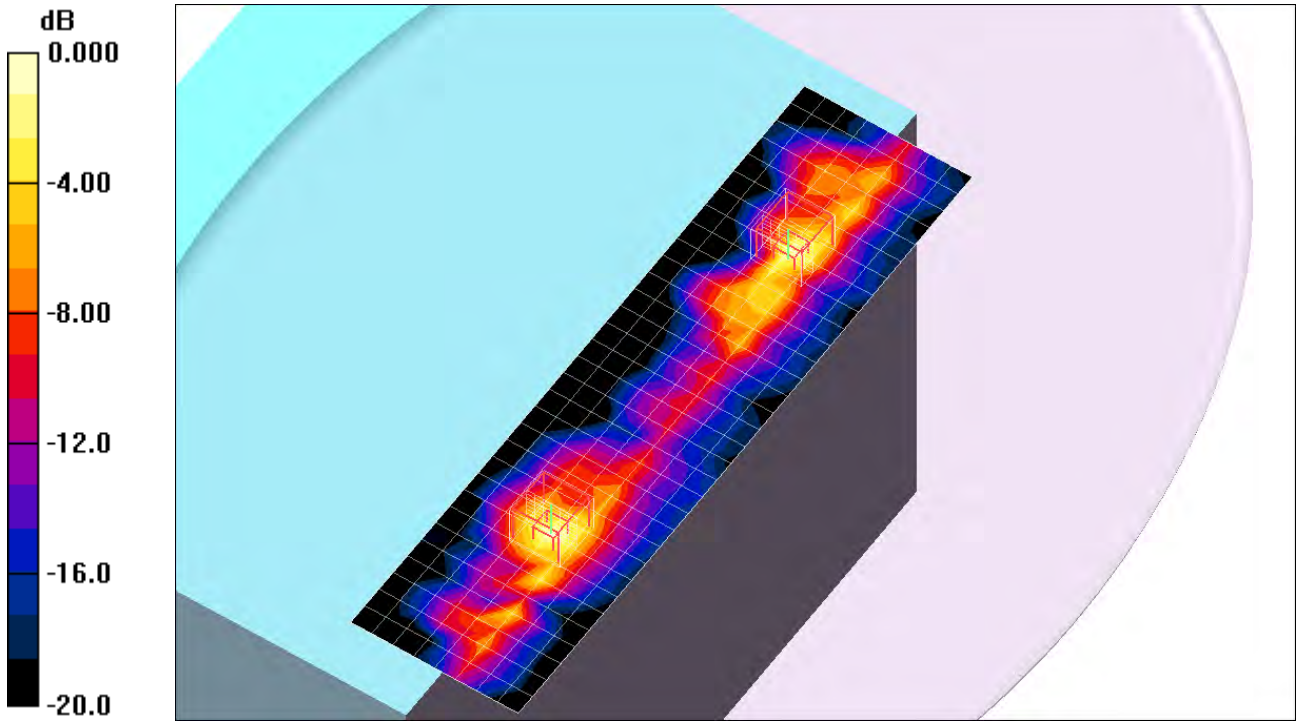
Maximum value of SAR (measured) = 1.40 mW/g

802.11a,Chain 0_Ch 153/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 18.3 V/m; Power Drift = -0.023 dB
Peak SAR (extrapolated) = 5.57 W/kg
SAR(1 g) = 1 mW/g; SAR(10 g) = 0.261 mW/g
Maximum value of SAR (measured) = 2.16 mW/g

802.11a,Chain 2_Ch 153/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 18.3 V/m; Power Drift = -0.023 dB
Peak SAR (extrapolated) = 3.75 W/kg
SAR(1 g) = 0.858 mW/g; SAR(10 g) = 0.274 mW/g
Maximum value of SAR (measured) = 1.65 mW/g



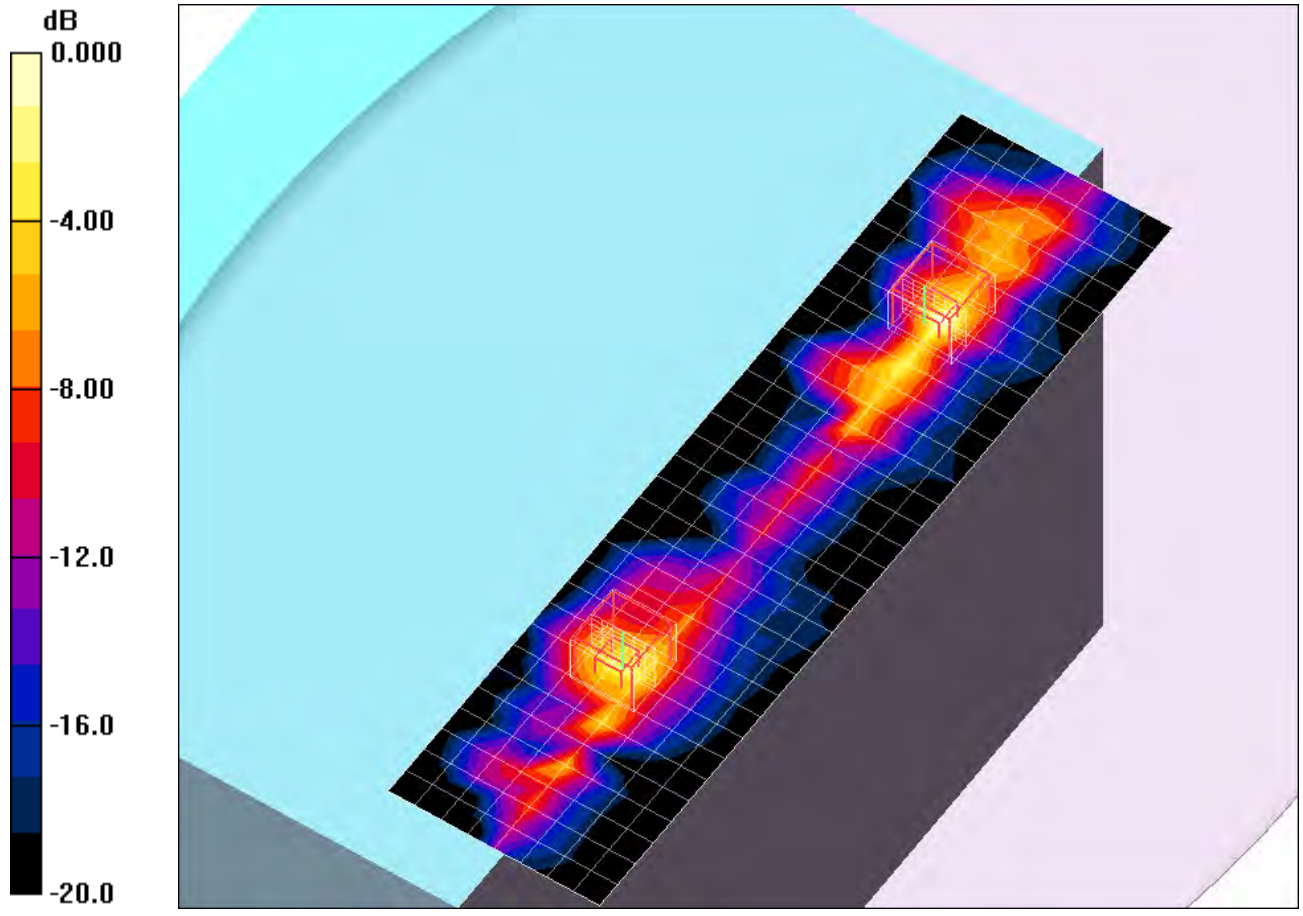
0 dB = 1.65mW/g

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 = 5.82 mho/m; ε_r = 48; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.81, 3.81, 3.81); Calibrated: 1/27/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used))
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003

802.11a,Chain 0,2_Ch 157/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 6.40 V/m; Power Drift = 0.114 dB
Peak SAR (extrapolated) = 5.75 W/kg
SAR(1 g) = 0.960 mW/g; SAR(10 g) = 0.237 mW/g
Maximum value of SAR (measured) = 2.00 mW/g

802.11a,Chain 0_Ch 157/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 6.40 V/m; Power Drift = 0.114 dB
Peak SAR (extrapolated) = 4.13 W/kg
SAR(1 g) = 0.889 mW/g; SAR(10 g) = 0.274 mW/g
Maximum value of SAR (measured) = 1.62 mW/g



0 dB = 2.16mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/12/2012 12:08:17 PM

5GHz bands

Frequency: 5805 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5805 MHz; σ = 5.93 mho/m; ε_r = 46.8; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.81, 3.81, 3.81); 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 0,2_Ch 161/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

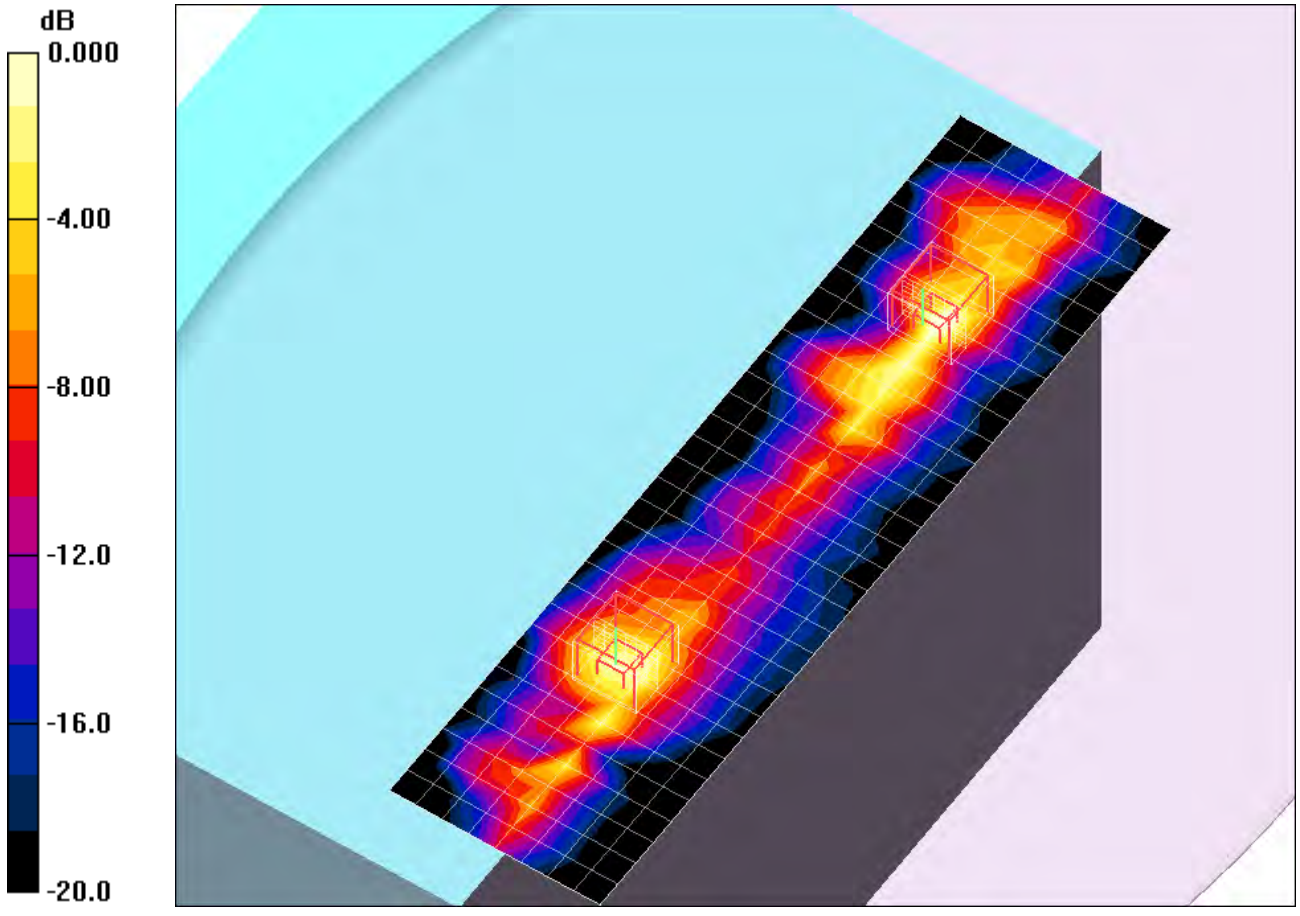
Maximum value of SAR (measured) = 2.07 mW/g

802.11a,Chain 0_Ch 161/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 18.7 V/m; Power Drift = 0.065 dB
Peak SAR (extrapolated) = 5.54 W/kg
SAR(1 g) = 0.945 mW/g; SAR(10 g) = 0.234 mW/g
Maximum value of SAR (measured) = 1.80 mW/g

802.11a,Chain 2_Ch 161/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 18.7 V/m; Power Drift = 0.065 dB
Peak SAR (extrapolated) = 3.69 W/kg
SAR(1 g) = 0.815 mW/g; SAR(10 g) = 0.248 mW/g
Maximum value of SAR (measured) = 1.42 mW/g



0 dB = 1.42mW/g

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 = 5.81 mho/m; ε_r = 50.5; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.81, 3.81, 3.81); 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 1,2_Ch 153/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

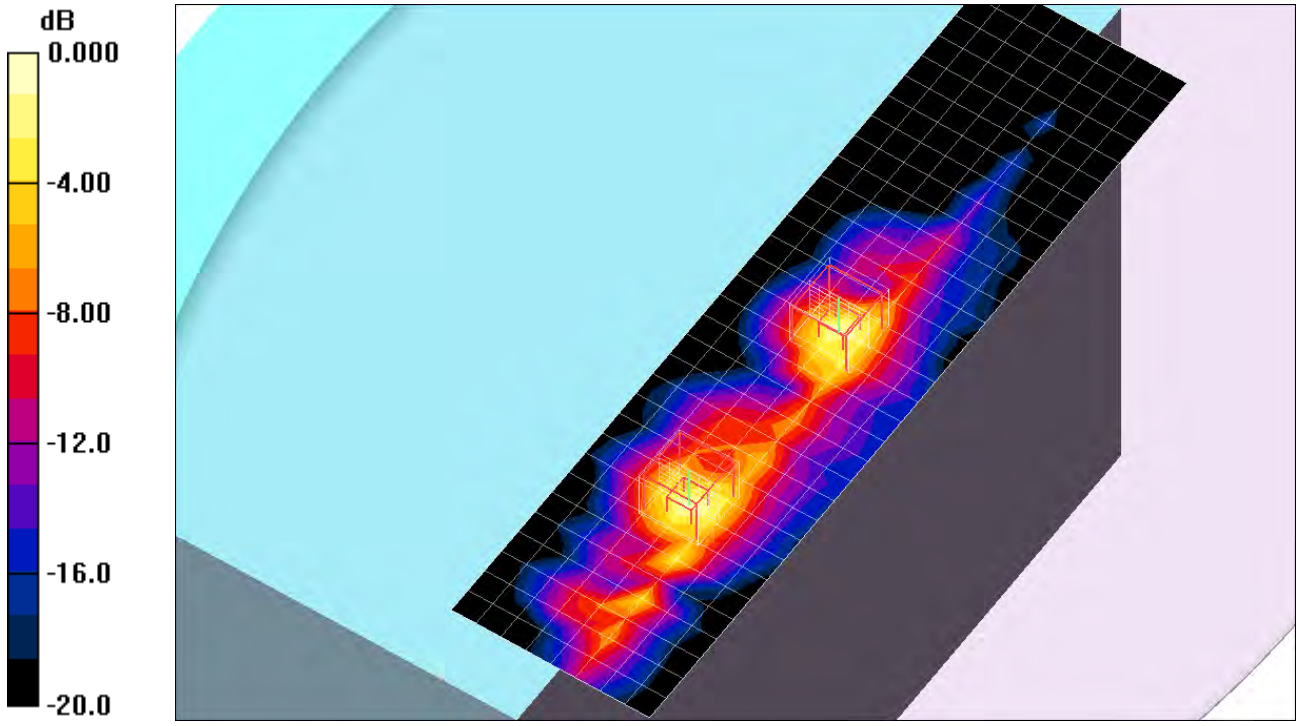
Maximum value of SAR (measured) = 1.36 mW/g

802.11a,Chain 1_Ch 153/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 18.2 V/m; Power Drift = -0.115 dB
Peak SAR (extrapolated) = 4.45 W/kg
SAR(1 g) = 0.979 mW/g; SAR(10 g) = 0.303 mW/g
Maximum value of SAR (measured) = 1.84 mW/g

802.11a,Chain 2_Ch 153/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 18.2 V/m; Power Drift = -0.115 dB
Peak SAR (extrapolated) = 3.72 W/kg
SAR(1 g) = 0.851 mW/g; SAR(10 g) = 0.272 mW/g
Maximum value of SAR (measured) = 1.62 mW/g



0 dB = 1.62mW/g

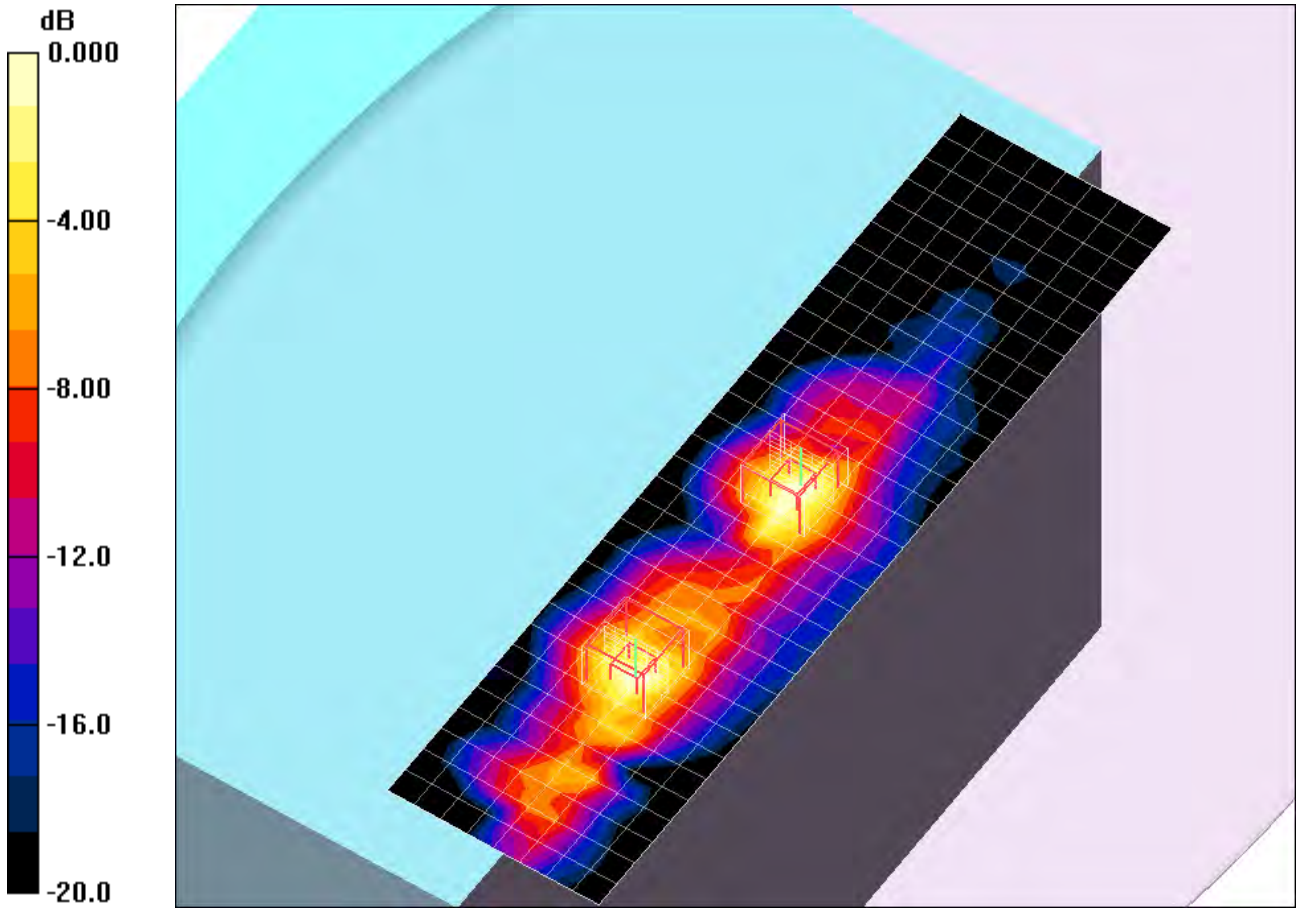
5GHz bands

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 = 5.86 mho/m; ε_r = 49; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.81, 3.81, 3.81); 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 1,2_Ch 157/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.25 mW/g

802.11a,Chain 1_Ch 157/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 19.9 V/m; Power Drift = 0.022 dB
Peak SAR (extrapolated) = 4.78 W/kg
SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.340 mW/g
Maximum value of SAR (measured) = 1.97 mW/g

802.11a,Chain 2_Ch 157/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 19.9 V/m; Power Drift = 0.022 dB
Peak SAR (extrapolated) = 4.36 W/kg
SAR(1 g) = 0.965 mW/g; SAR(10 g) = 0.313 mW/g
Maximum value of SAR (measured) = 1.77 mW/g



0 dB = 1.77mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/12/2012 12:20:31 AM

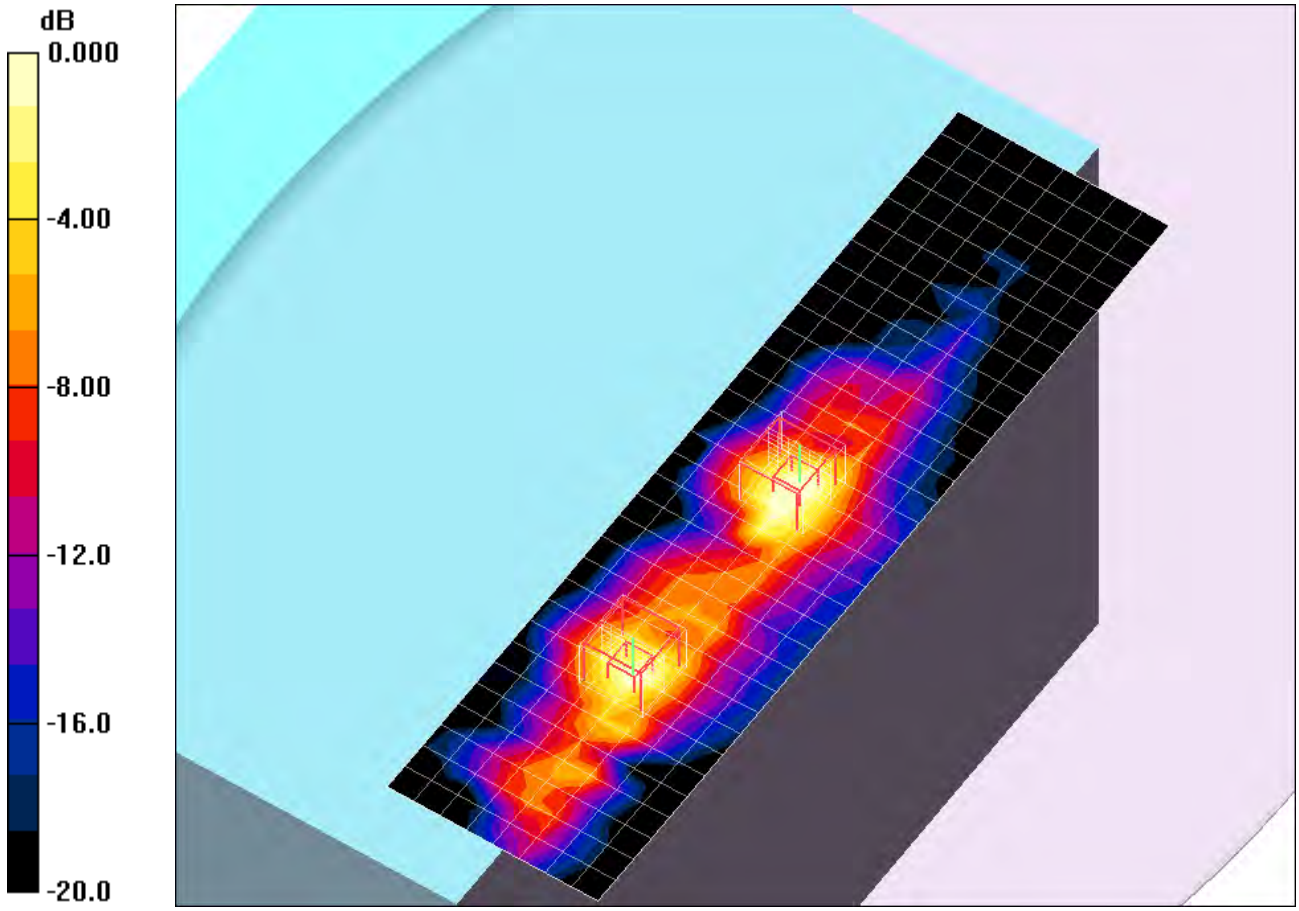
5GHz bands

Frequency: 5805 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5805 MHz; σ = 5.91 mho/m; ε_r = 48.9; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.81, 3.81, 3.81); 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 1,2_Ch 161/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.10 mW/g

802.11a,Chain 1_Ch 161/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 19.5 V/m; Power Drift = 0.156 dB
Peak SAR (extrapolated) = 4.88 W/kg
SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.316 mW/g
Maximum value of SAR (measured) = 1.96 mW/g

802.11a,Chain 2_Ch 161/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 19.5 V/m; Power Drift = 0.156 dB
Peak SAR (extrapolated) = 3.36 W/kg
SAR(1 g) = 0.723 mW/g; SAR(10 g) = 0.229 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: 6/21/2012 2:31:28 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 = 5.81 mho/m; ε_r = 50.5; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.81, 3.81, 3.81); 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 0,1,2_Ch 153/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.46 mW/g

802.11a,Chain 0_Ch 153/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

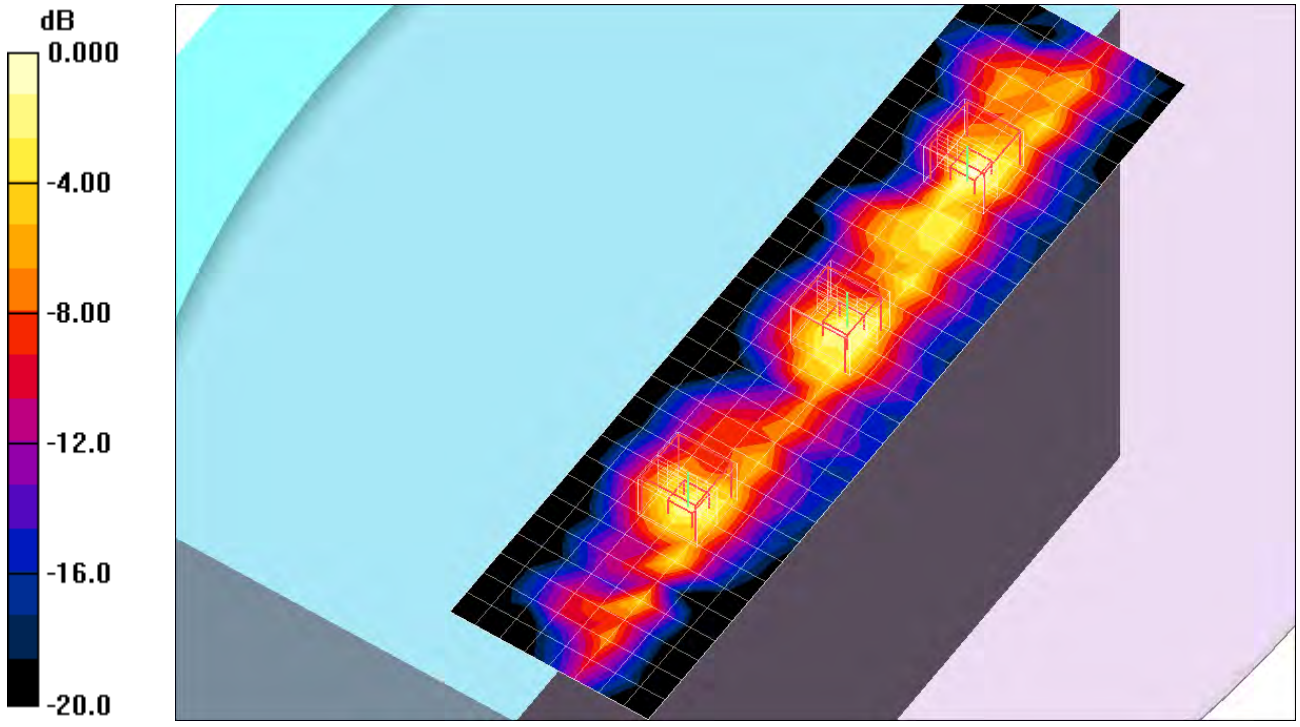
Reference Value = 20.1 V/m; Power Drift = -0.060 dB
Peak SAR (extrapolated) = 5.68 W/kg
SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.275 mW/g
Maximum value of SAR (measured) = 2.26 mW/g

802.11a,Chain 1_Ch 153/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 20.1 V/m; Power Drift = -0.060 dB
Peak SAR (extrapolated) = 4.36 W/kg
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.315 mW/g
Maximum value of SAR (measured) = 1.94 mW/g

802.11a,Chain 2_Ch 153/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 20.1 V/m; Power Drift = -0.060 dB
Peak SAR (extrapolated) = 3.91 W/kg
SAR(1 g) = 0.883 mW/g; SAR(10 g) = 0.289 mW/g
Maximum value of SAR (measured) = 1.65 mW/g

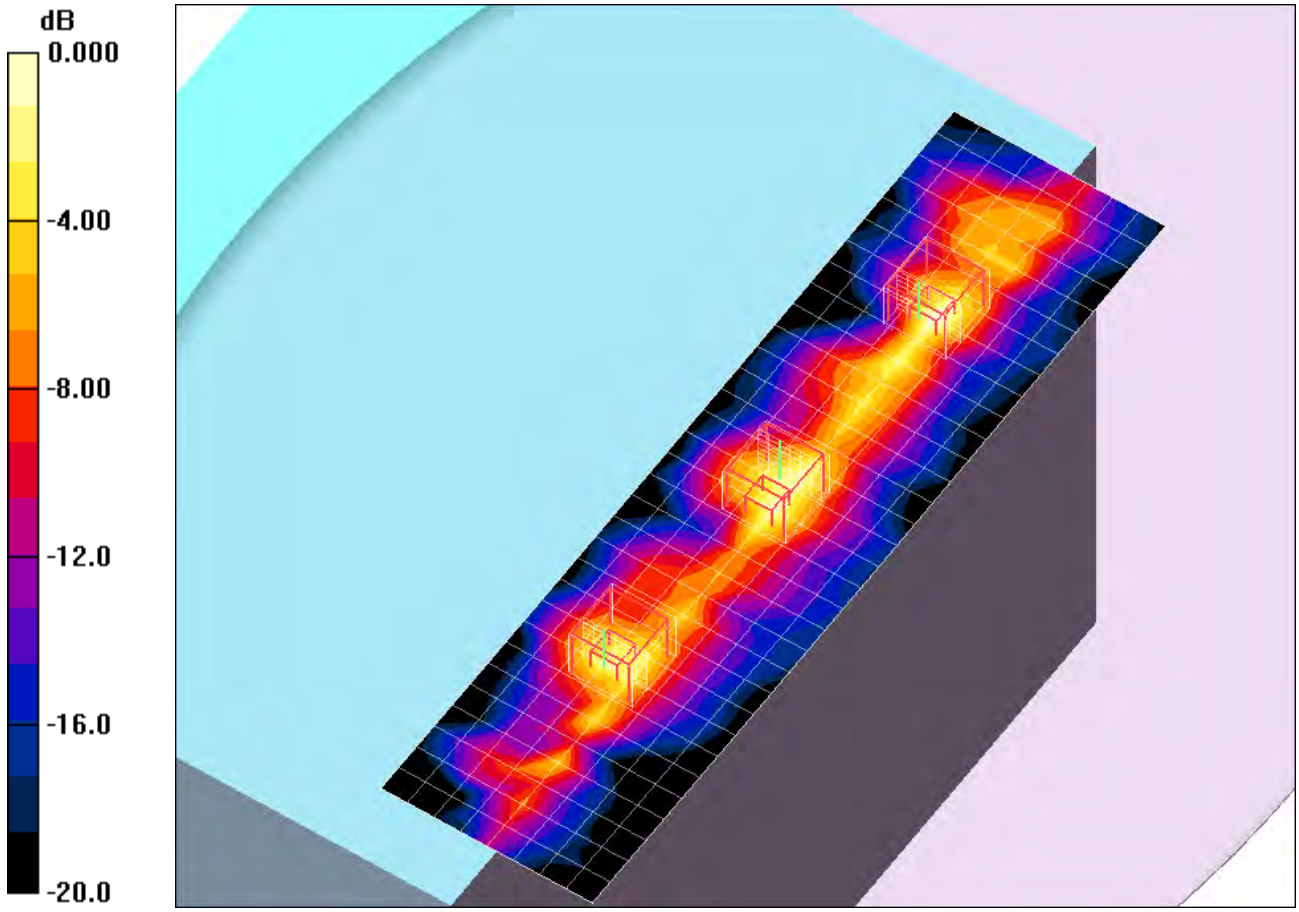


0 dB = 1.65mW/g

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 = 5.82 mho/m; ε_r = 48; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.81, 3.81, 3.81); 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 0,1,2_Ch 157/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.56 mW/g
802.11a,Chain 0_Ch 157/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 20.9 V/m; Power Drift = 0.138 dB
Peak SAR (extrapolated) = 5.66 W/kg
SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.282 mW/g
Maximum value of SAR (measured) = 2.05 mW/g
802.11a,Chain 1_Ch 157/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 20.9 V/m; Power Drift = 0.138 dB
Peak SAR (extrapolated) = 4.55 W/kg
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.348 mW/g
Maximum value of SAR (measured) = 1.90 mW/g
802.11a,Chain 2_Ch 157/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 20.9 V/m; Power Drift = 0.138 dB
Peak SAR (extrapolated) = 3.66 W/kg
SAR(1 g) = 0.806 mW/g; SAR(10 g) = 0.242 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: 4/12/2012 2:54:14 AM

5GHz bands

Frequency: 5805 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5805 MHz; σ = 5.91 mho/m; ε_r = 48.9; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.81, 3.81, 3.81); 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

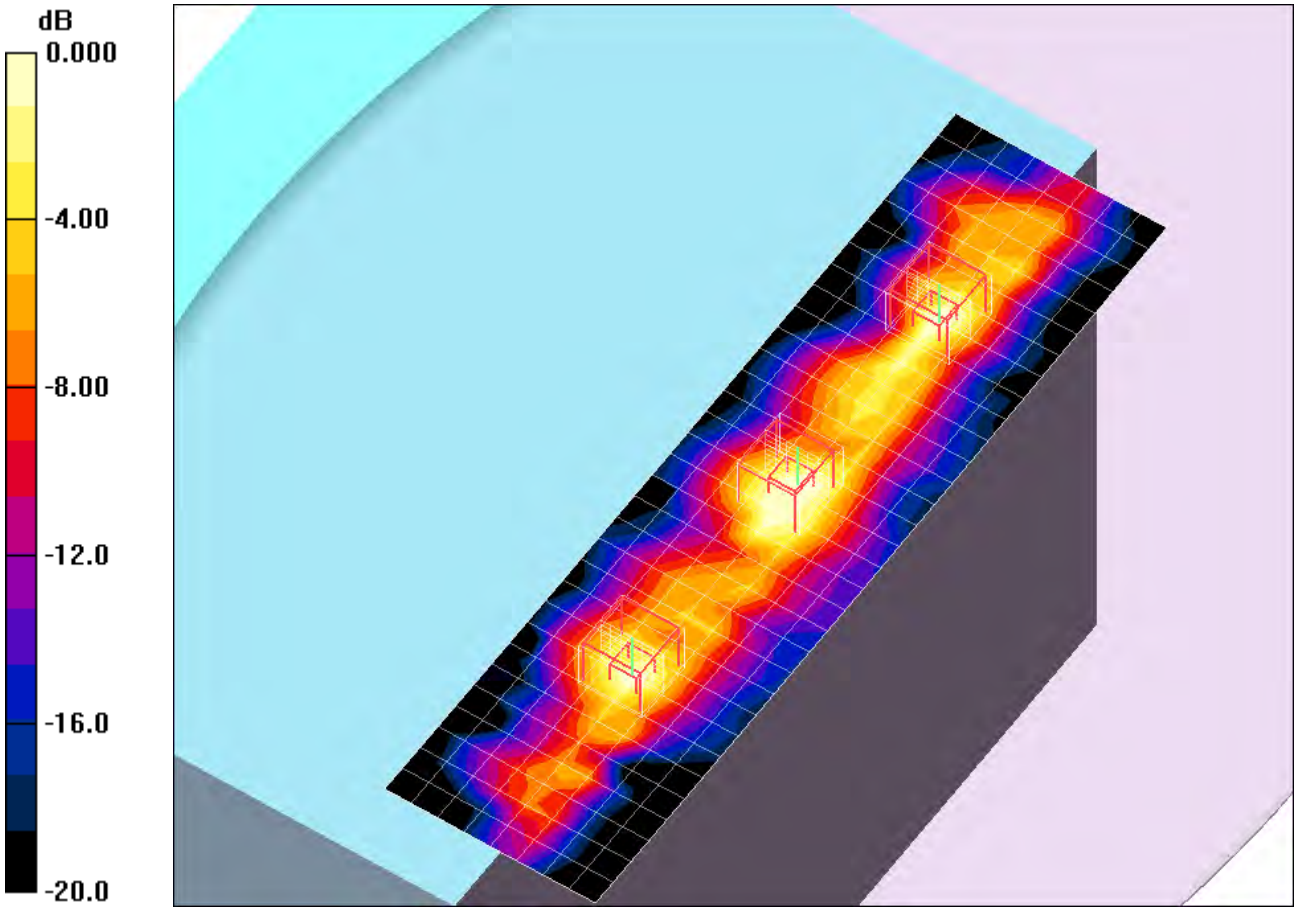
802.11a,Chain 0,1,2_Ch 161/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.19 mW/g

802.11a,Chain 0_Ch 161/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 19.9 V/m; Power Drift = 0.036 dB
Peak SAR (extrapolated) = 4.94 W/kg
SAR(1 g) = 0.900 mW/g; SAR(10 g) = 0.237 mW/g
Maximum value of SAR (measured) = 1.88 mW/g

802.11a,Chain 1_Ch 161/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 19.9 V/m; Power Drift = 0.036 dB
Peak SAR (extrapolated) = 4.91 W/kg
SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.369 mW/g

Maximum value of SAR (measured) = 2.07 mW/g

802.11a,Chain 2_Ch 161/Zoom Scan (7x7x9)/Cube 2: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 19.9 V/m; Power Drift = 0.036 dB
Peak SAR (extrapolated) = 3.25 W/kg
SAR(1 g) = 0.724 mW/g; SAR(10 g) = 0.231 mW/g
Maximum value of SAR (measured) = 1.36 mW/g



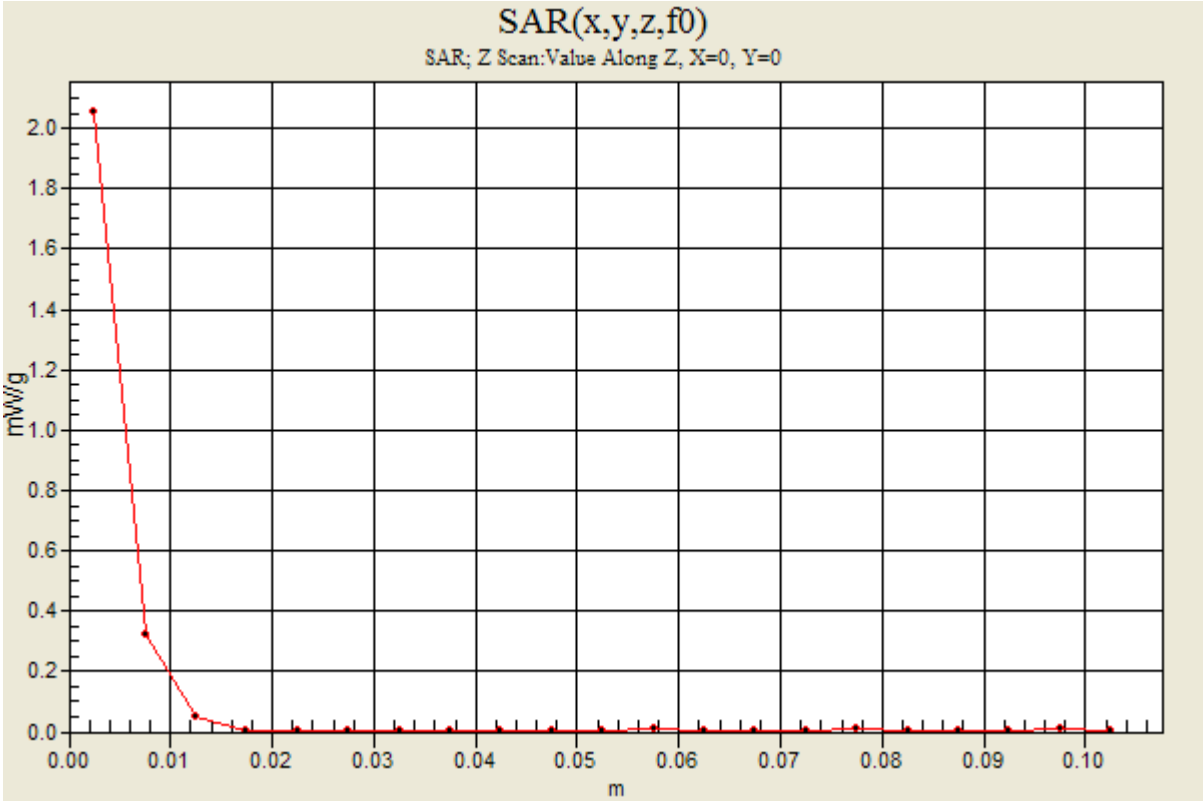
0 dB = 1.36mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/12/2012 3:55:17 AM

5GHz bands

Frequency: 5805 MHz; Duty Cycle: 1:1

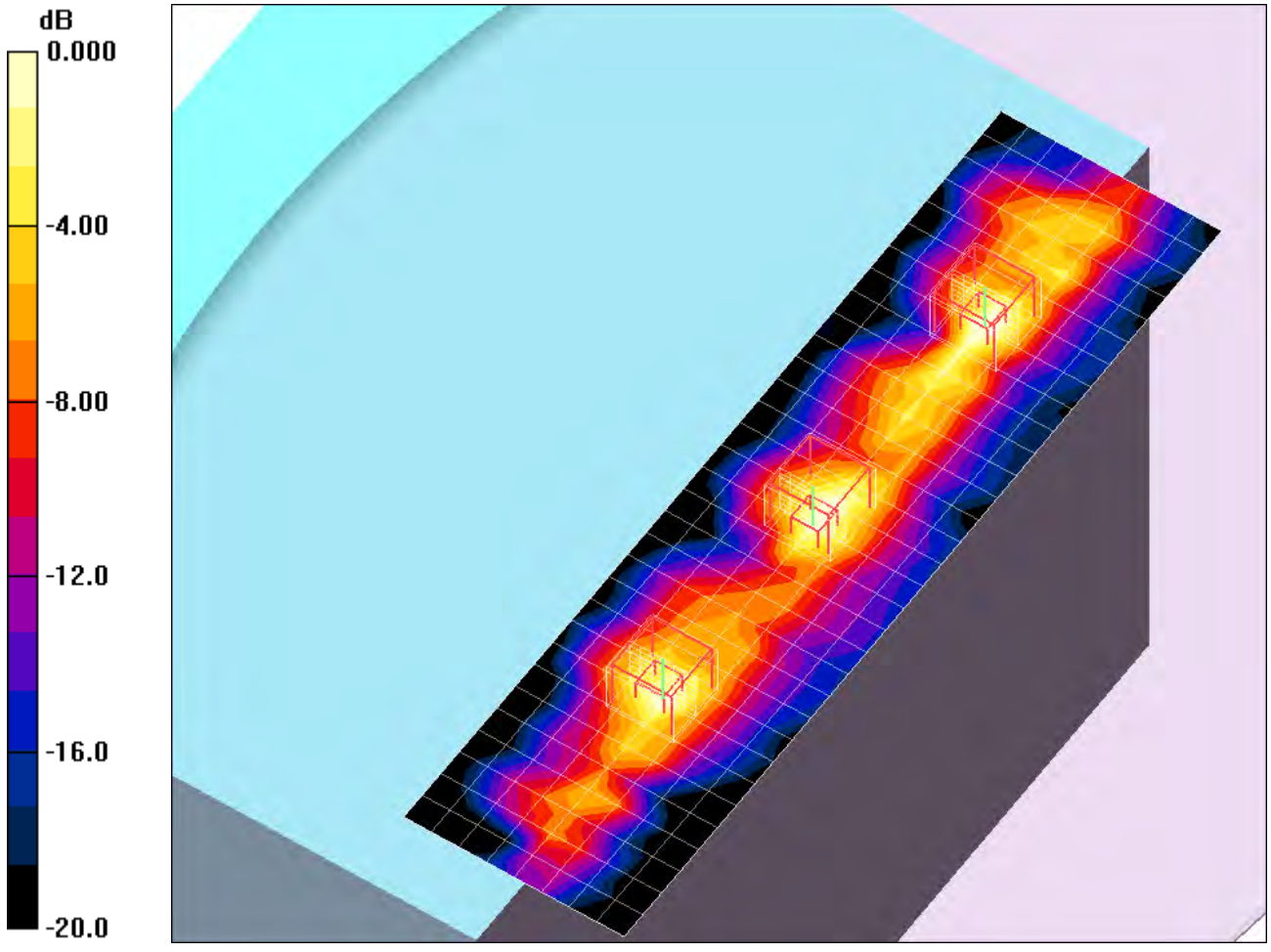
802.11a,Chain 0,1,2_Ch 161/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 2.05 mW/g



Test Laboratory: UL CCS SAR Lab D Date/Time: 4/13/2012 11:49:15 AM

5GHz bands

Frequency: 5755 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5755 MHz; σ = 5.82 mho/m; εr = 48.1; ρ = 1000 kg/m3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.81, 3.81, 3.81); 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 151/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.31 mW/g
802.11n HT40,Chain 0_Ch 151/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 21.3 V/m; Power Drift = -0.019 dB
Peak SAR (extrapolated) = 6.04 W/kg
SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.278 mW/g
Maximum value of SAR (measured) = 2.09 mW/g
802.11n HT40,Chain 1_Ch 151/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 21.3 V/m; Power Drift = -0.019 dB
Peak SAR (extrapolated) = 4.12 W/kg
SAR(1 g) = 0.885 mW/g; SAR(10 g) = 0.297 mW/g
Maximum value of SAR (measured) = 1.72 mW/g
802.11n HT40,Chain 2_Ch 151/Zoom Scan (7x7x9)/Cube 2: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 21.3 V/m; Power Drift = -0.019 dB
Peak SAR (extrapolated) = 3.76 W/kg
SAR(1 g) = 0.831 mW/g; SAR(10 g) = 0.256 mW/g
Maximum value of SAR (measured) = 1.51 mW/g



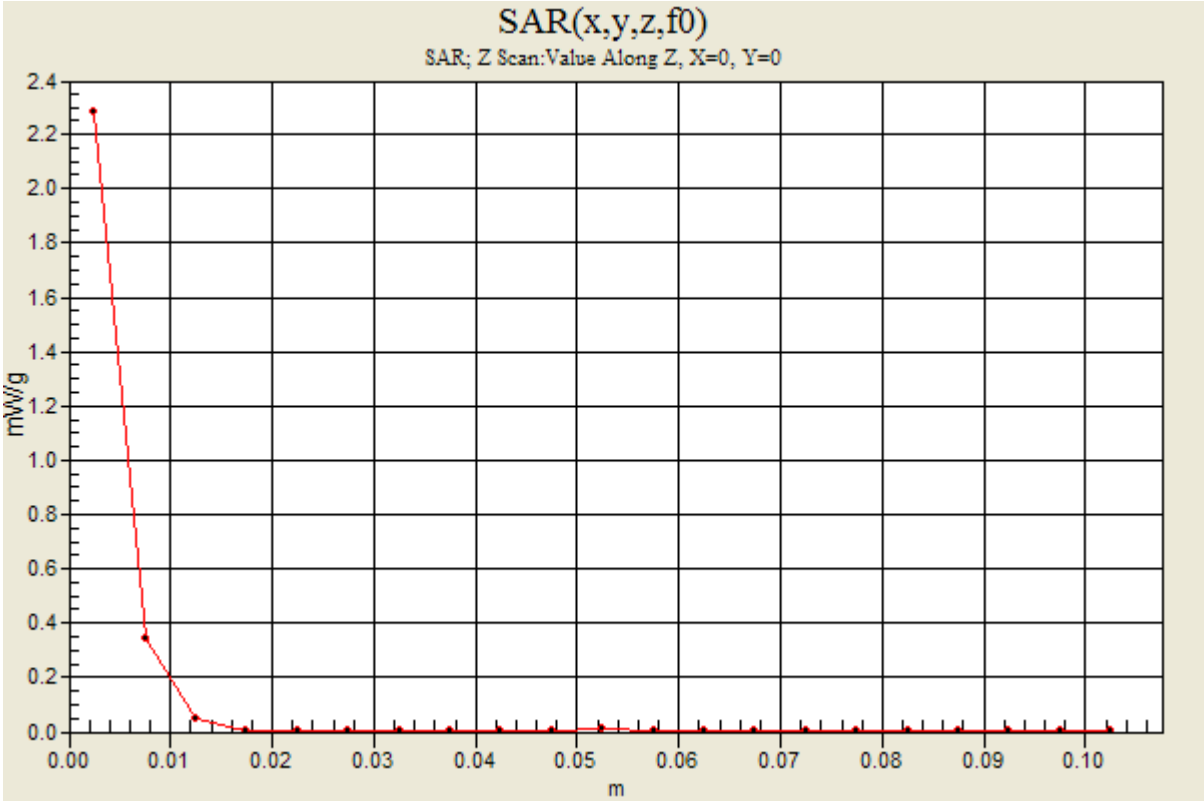
0 dB = 1.51mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/13/2012 1:50:51 PM

5GHz bands

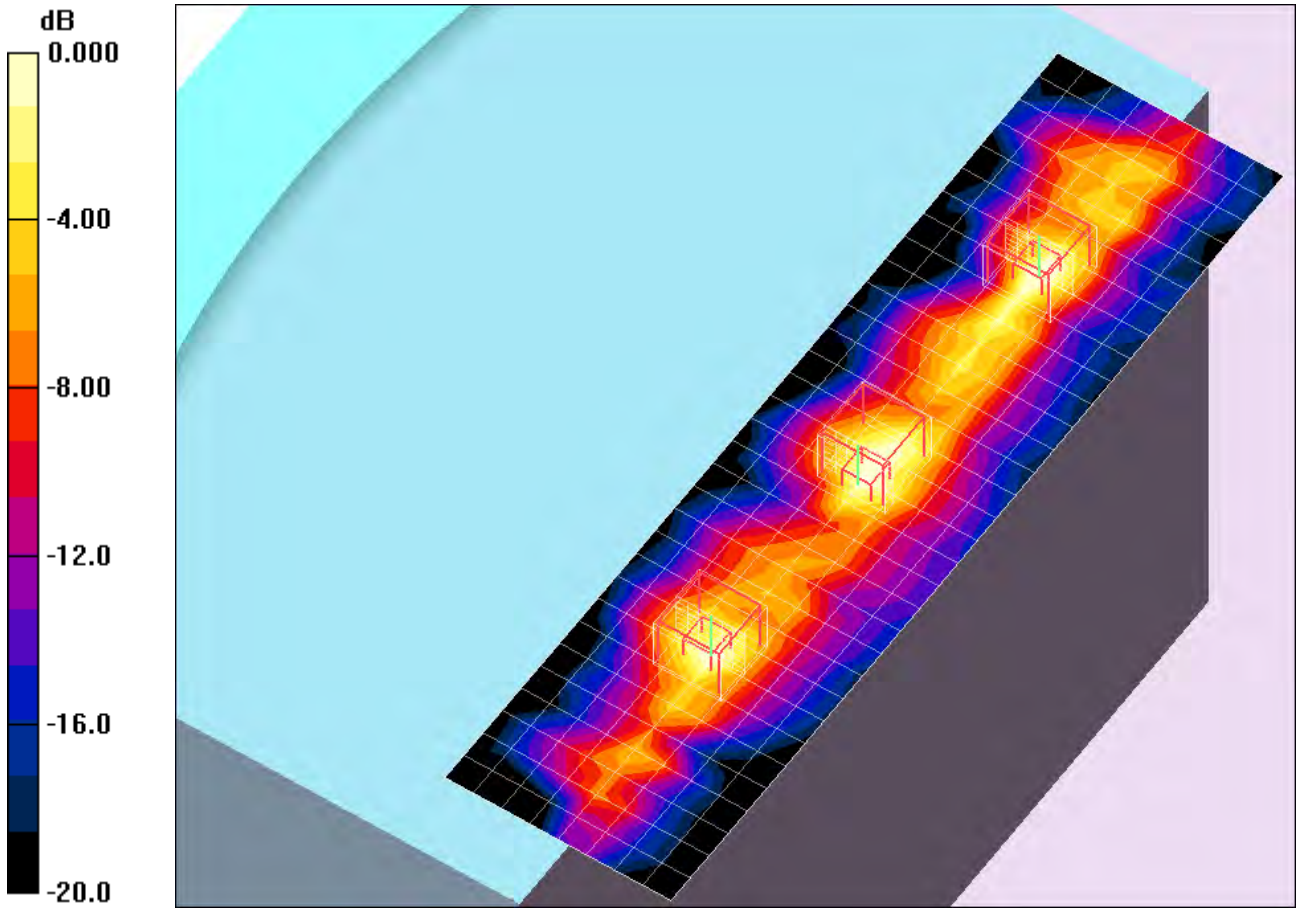
Frequency: 5755 MHz; Duty Cycle: 1:1

802.11n HT40,Chain 0,1,2_Ch 151/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 2.28 mW/g



5GHz bands

Frequency: 5795 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5795 MHz; σ = 5.88 mho/m; εr = 48; ρ = 1000 kg/m3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.81, 3.81, 3.81); 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 159/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.29 mW/g
802.11n HT40,Chain 0 _Ch 159/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 21.3 V/m; Power Drift = -0.033 dB
Peak SAR (extrapolated) = 6.03 W/kg
SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.266 mW/g
Maximum value of SAR (measured) = 2.12 mW/g
802.11n HT40,Chain 1_Ch 159/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 21.3 V/m; Power Drift = -0.033 dB
Peak SAR (extrapolated) = 4.47 W/kg
SAR(1 g) = 0.952 mW/g; SAR(10 g) = 0.327 mW/g
Maximum value of SAR (measured) = 1.87 mW/g
802.11n HT40,Chain 2_Ch 159/Zoom Scan (7x7x9)/Cube 2: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 21.3 V/m; Power Drift = -0.033 dB
Peak SAR (extrapolated) = 3.65 W/kg
SAR(1 g) = 0.809 mW/g; SAR(10 g) = 0.247 mW/g
Maximum value of SAR (measured) = 1.48 mW/g



0 dB = 1.48mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/13/2012 9:27:39 PM

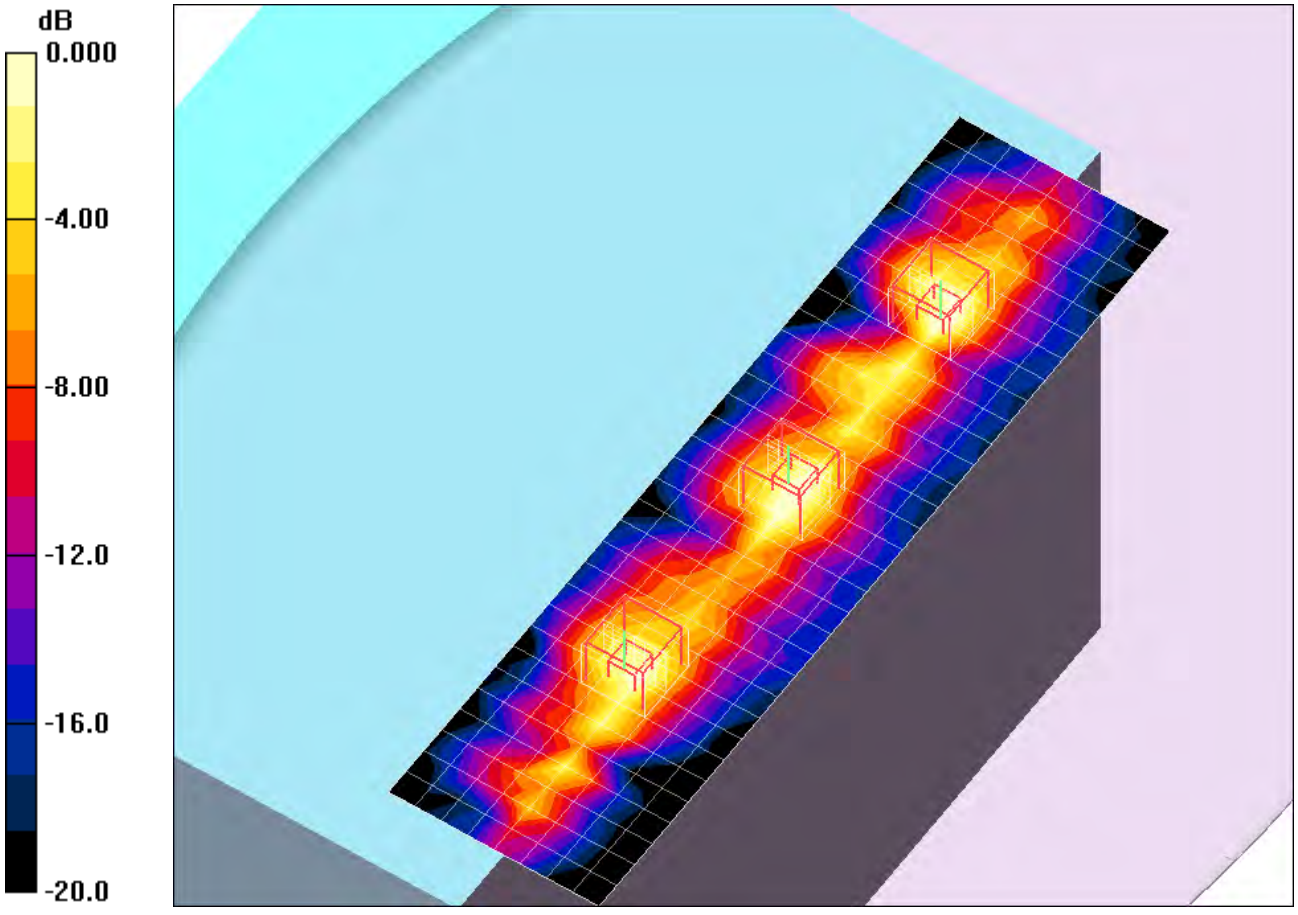
5GHz bands

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 = 5.81 mho/m; ε_r = 48.1; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.81, 3.81, 3.81); 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 0,1,2_Ch 149/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.10 mW/g

802.11a,Chain 0_Ch 149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 19.6 V/m; Power Drift = 0.095 dB
Peak SAR (extrapolated) = 5.04 W/kg
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.299 mW/g
Maximum value of SAR (measured) = 1.99 mW/g

802.11a,Chain 1_Ch 149/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 19.6 V/m; Power Drift = 0.095 dB
Peak SAR (extrapolated) = 4.31 W/kg
SAR(1 g) = 0.988 mW/g; SAR(10 g) = 0.313 mW/g
Maximum value of SAR (measured) = 1.81 mW/g

802.11a,Chain 2_Ch 149/Zoom Scan (7x7x9)/Cube 2: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 19.6 V/m; Power Drift = 0.095 dB
Peak SAR (extrapolated) = 3.43 W/kg
SAR(1 g) = 0.805 mW/g; SAR(10 g) = 0.262 mW/g
Maximum value of SAR (measured) = 1.41 mW/g



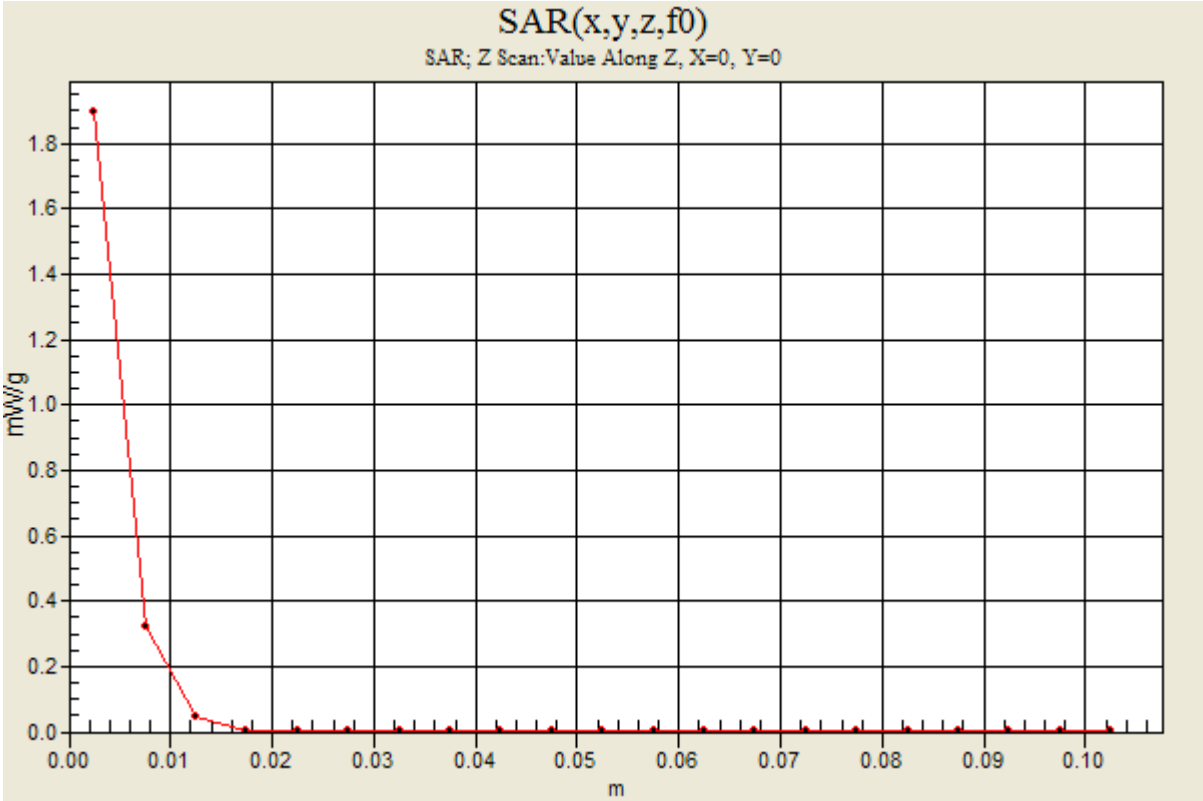
0 dB = 1.41mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 4/13/2012 10:19:14 PM

5GHz bands

Frequency: 5745 MHz; Duty Cycle: 1:1

802.11a,Chain 0,1,2_Ch 149/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 1.90 mW/g



Test Laboratory: UL CCS SAR Lab D Date/Time: 4/14/2012 3:00:10 AM

5GHz bands

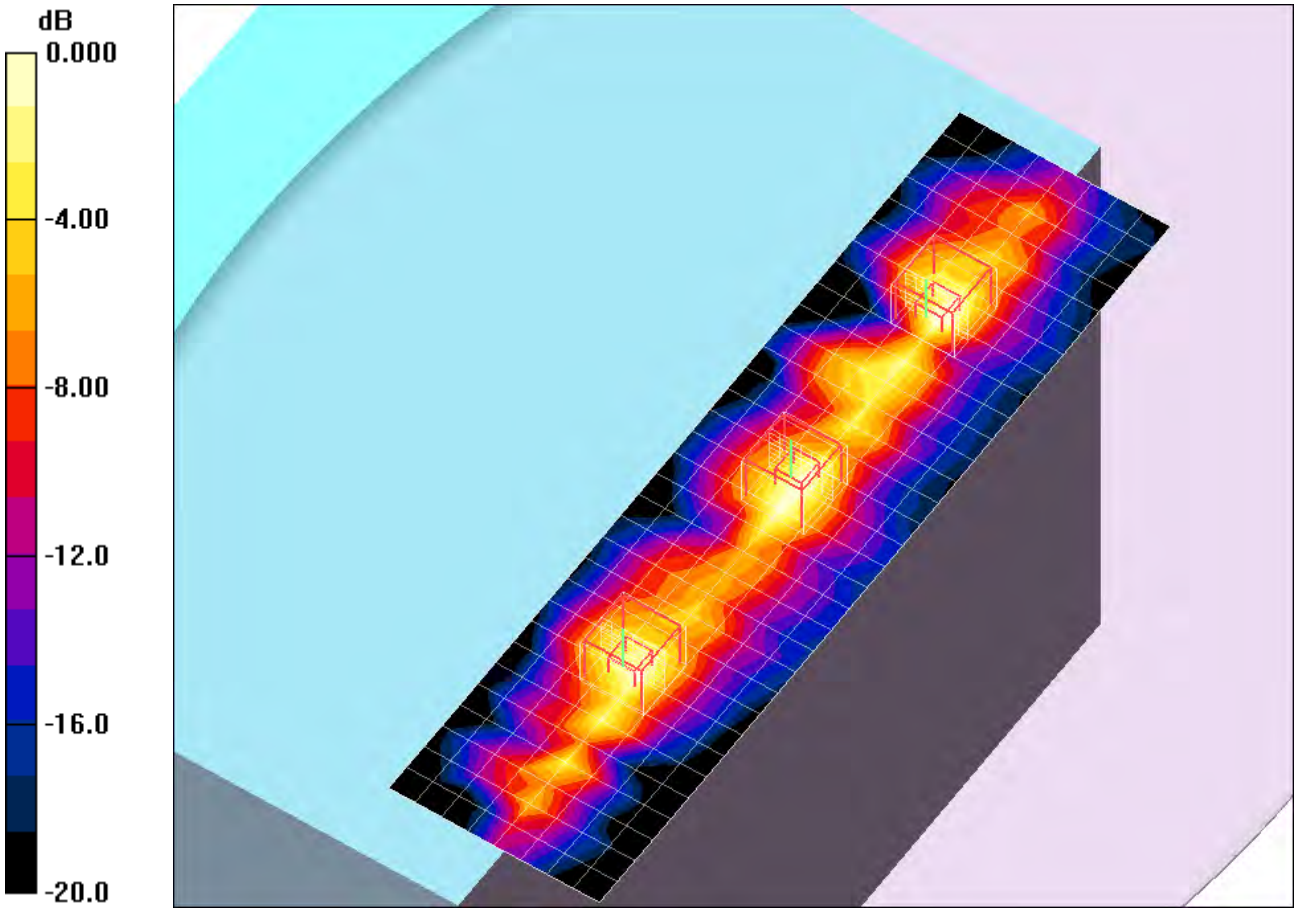
Frequency: 5785 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: f = 5785 MHz; σ = 5.86 mho/m; ε_r = 48; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.81, 3.81, 3.81); 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 0,1,2_Ch 157/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.07 mW/g

802.11a,Chain 0_Ch 157/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 19.1 V/m; Power Drift = 0.076 dB
Peak SAR (extrapolated) = 5.33 W/kg
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.282 mW/g
Maximum value of SAR (measured) = 1.97 mW/g

802.11a,Chain 1_Ch 157/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 19.1 V/m; Power Drift = 0.076 dB
Peak SAR (extrapolated) = 4.46 W/kg
SAR(1 g) = 0.968 mW/g; SAR(10 g) = 0.304 mW/g
Maximum value of SAR (measured) = 1.82 mW/g

802.11a,Chain 2_Ch 157/Zoom Scan (7x7x9)/Cube 2: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 19.1 V/m; Power Drift = 0.076 dB
Peak SAR (extrapolated) = 3.69 W/kg
SAR(1 g) = 0.851 mW/g; SAR(10 g) = 0.269 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: 4/14/2012 10:25:22 AM

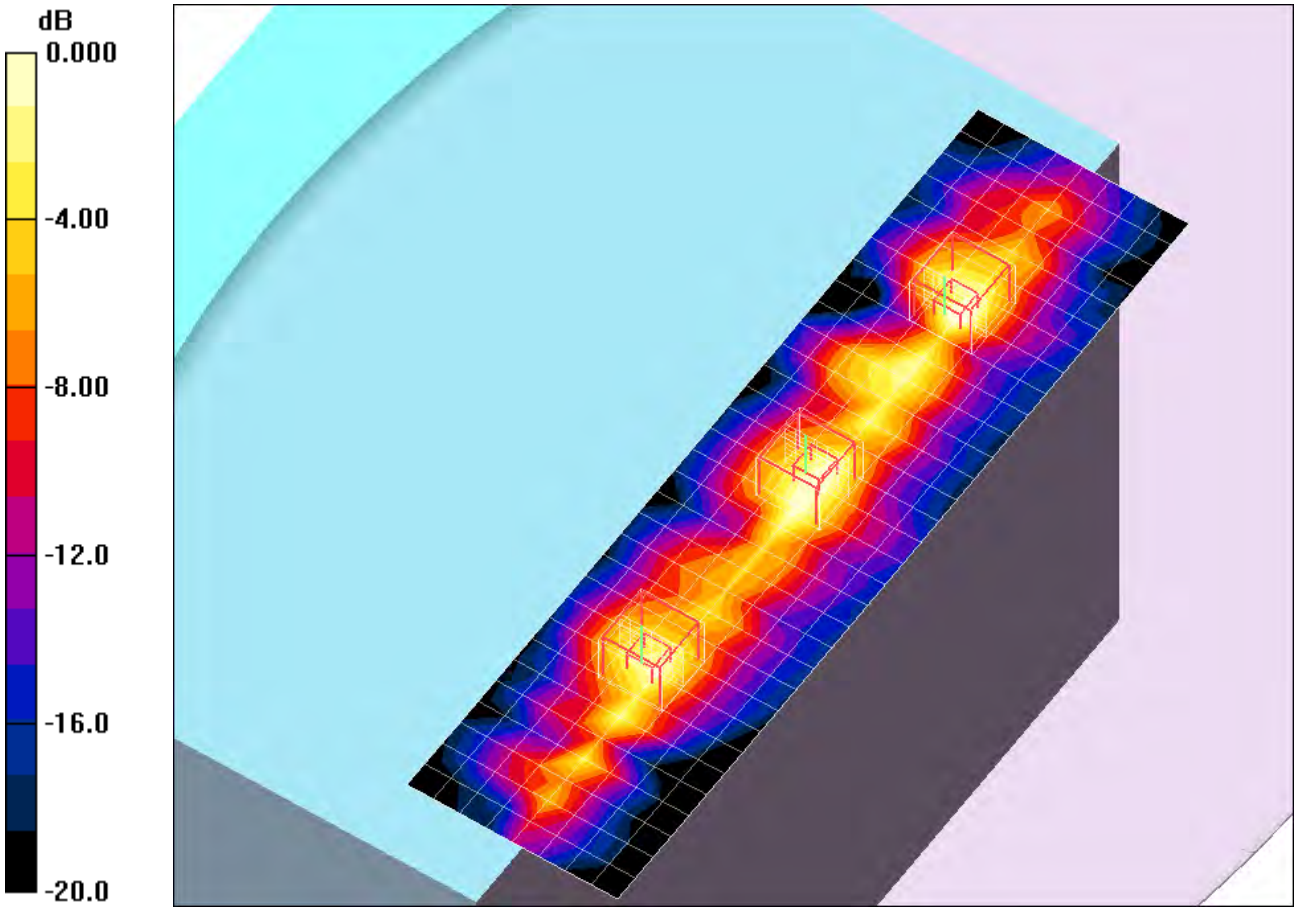
5GHz bands

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 = 5.94 mho/m; ε_r = 48; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Electronics: DAE3 Sn427; Calibrated: 1/17/2012
- Probe: EX3DV4 - SN3749; ConvF(3.81, 3.81, 3.81); 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 0,1,2_Ch 165/Area Scan (9x33x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.08 mW/g

802.11a,Chain 0 _Ch 165/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 18.2 V/m; Power Drift = 0.061 dB
Peak SAR (extrapolated) = 5.18 W/kg
SAR(1 g) = 0.969 mW/g; SAR(10 g) = 0.263 mW/g
Maximum value of SAR (measured) = 1.93 mW/g

802.11a,Chain 1_Ch 165/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 18.2 V/m; Power Drift = 0.061 dB
Peak SAR (extrapolated) = 4.76 W/kg
SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.319 mW/g
Maximum value of SAR (measured) = 1.90 mW/g

802.11a,Chain 2_Ch 165/Zoom Scan (7x7x9)/Cube 2: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 18.2 V/m; Power Drift = 0.061 dB
Peak SAR (extrapolated) = 3.17 W/kg
SAR(1 g) = 0.741 mW/g; SAR(10 g) = 0.230 mW/g
Maximum value of SAR (measured) = 1.33 mW/g



0 dB = 1.33mW/g