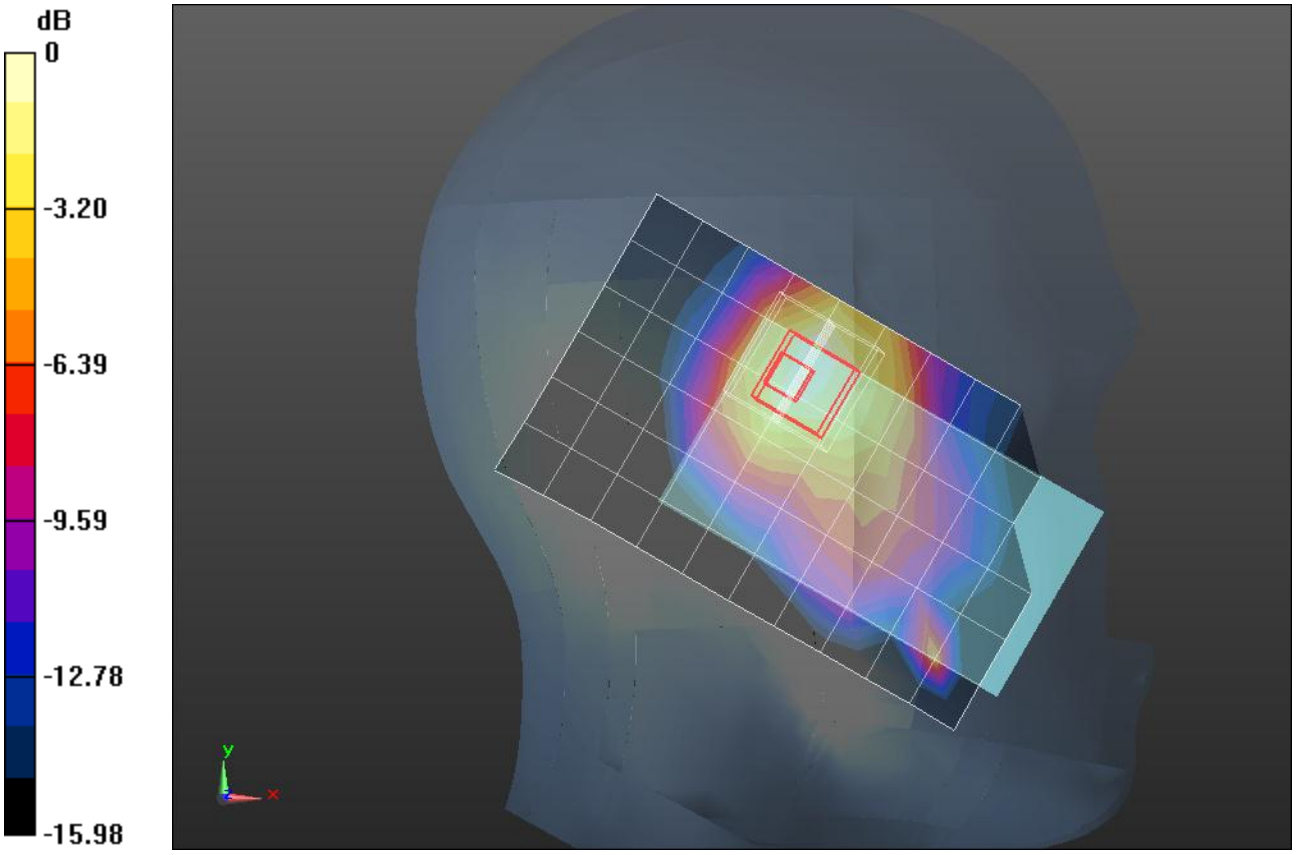
Test Laboratory: UL CCS SAR Lab B Date: 6/9/2012

LTE Band2

Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.394 mho/m; ε_r = 40.638; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(7.51, 7.51, 7.51); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

Left Touch/QPSK RB 1_0_19dBm/Ch 18900/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.396 mW/g

Left Touch/QPSK RB 1_0_19dBm/Ch 18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.961 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.6810
SAR(1 g) = 0.294 mW/g; SAR(10 g) = 0.166 mW/g
Maximum value of SAR (measured) = 0.397 mW/g



0 dB = 0.400mW/g = -7.96 dB mW/g

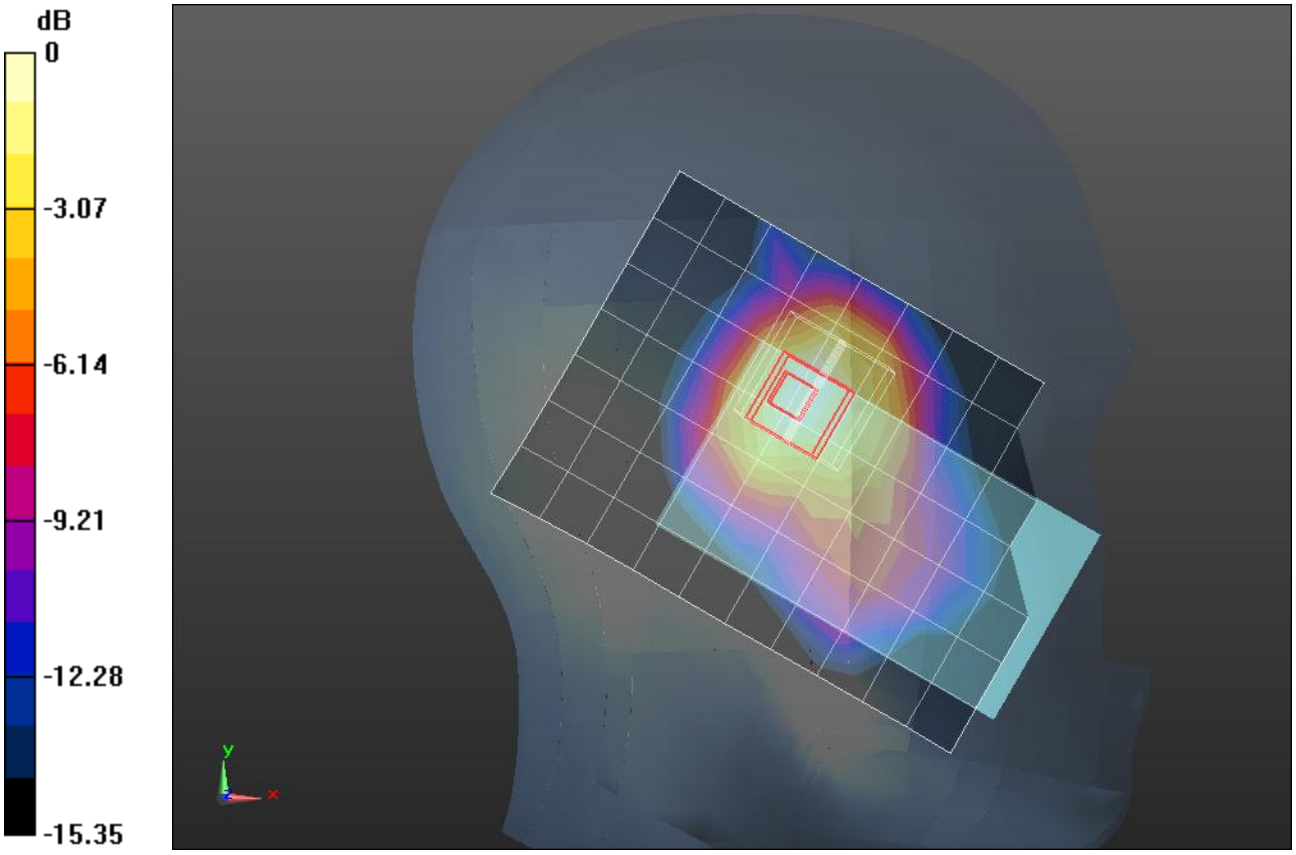
Test Laboratory: UL CCS SAR Lab B Date: 6/9/2012

LTE Band2

Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.394 mho/m; ε_r = 40.638; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(7.51, 7.51, 7.51); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

Left Touch/QPSK RB 1_49_19dBm/Ch 18900/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.497 mW/g

Left Touch/QPSK RB 1_49_19dBm/Ch 18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.135 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.6360
SAR(1 g) = 0.371 mW/g; SAR(10 g) = 0.214 mW/g
Maximum value of SAR (measured) = 0.495 mW/g



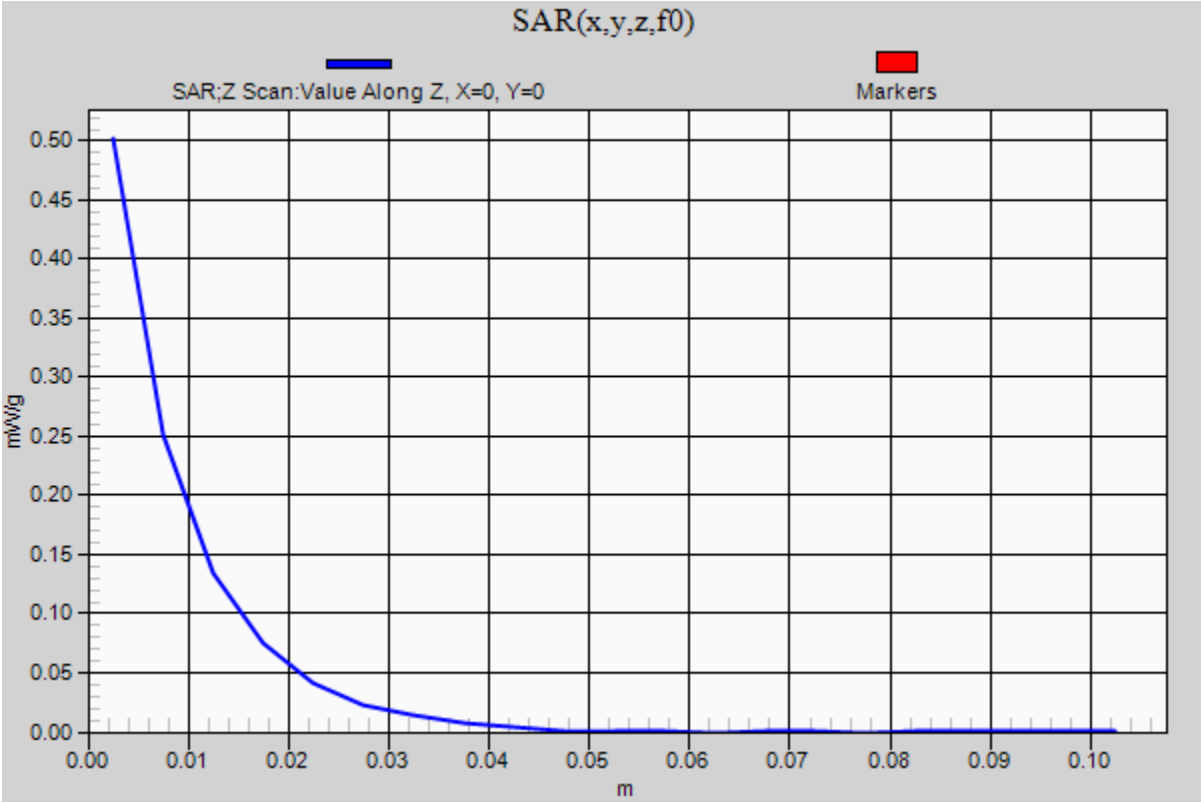
0 dB = 0.490mW/g = -6.20 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 6/9/2012

LTE Band2

Frequency: 1880 MHz; Duty Cycle: 1:1

Left Touch/QPSK RB 1_49_19dBm/Ch 18900/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.502 mW/g



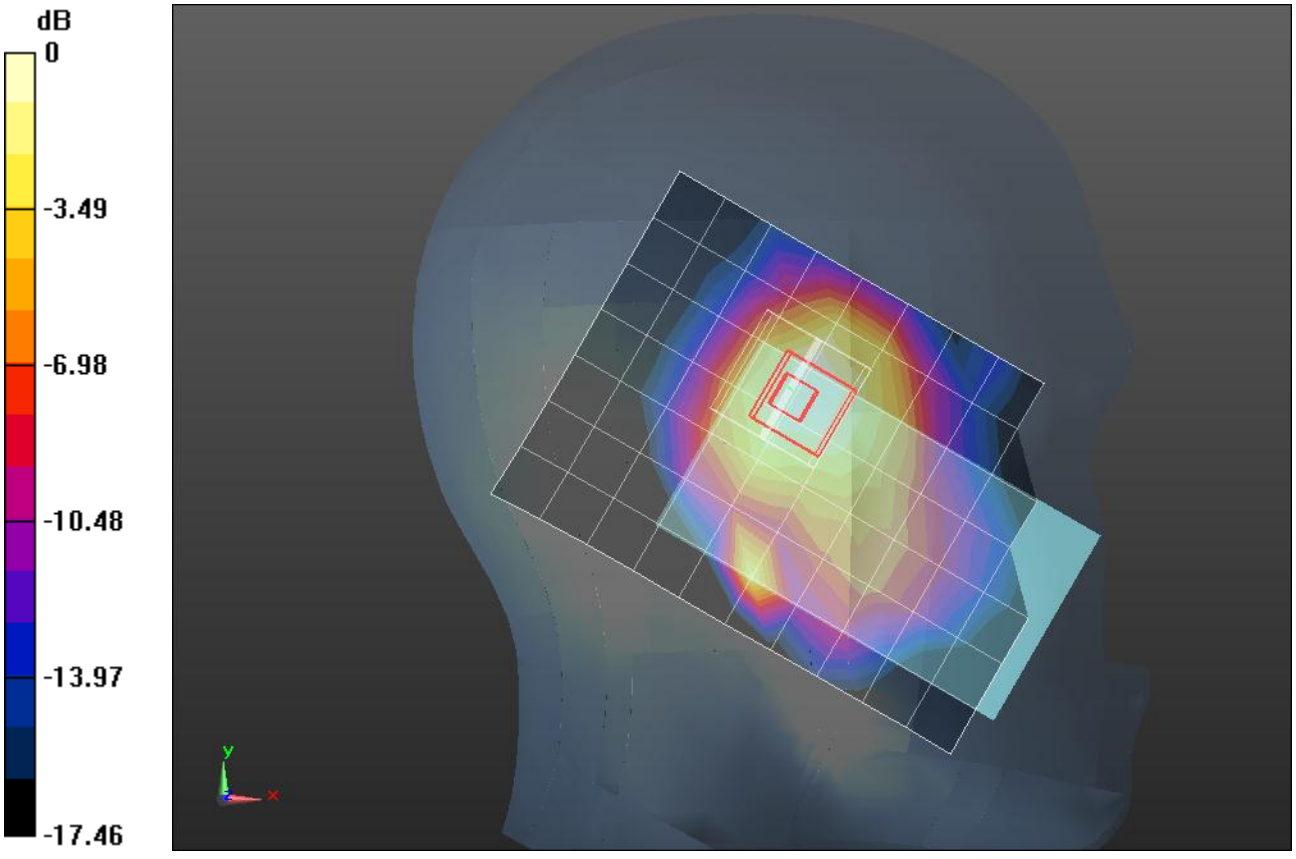
Test Laboratory: UL CCS SAR Lab B Date: 6/9/2012

LTE Band2

Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.394 mho/m; ε_r = 40.638; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(7.51, 7.51, 7.51); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

Left Touch/QPSK RB 25_12_19dBm/Ch 18900/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.375 mW/g

Left Touch/QPSK RB 25_12_19dBm/Ch 18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.233 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.5140
SAR(1 g) = 0.273 mW/g; SAR(10 g) = 0.158 mW/g
Maximum value of SAR (measured) = 0.349 mW/g



0 dB = 0.350mW/g = -9.12 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 6/9/2012

LTE Band2

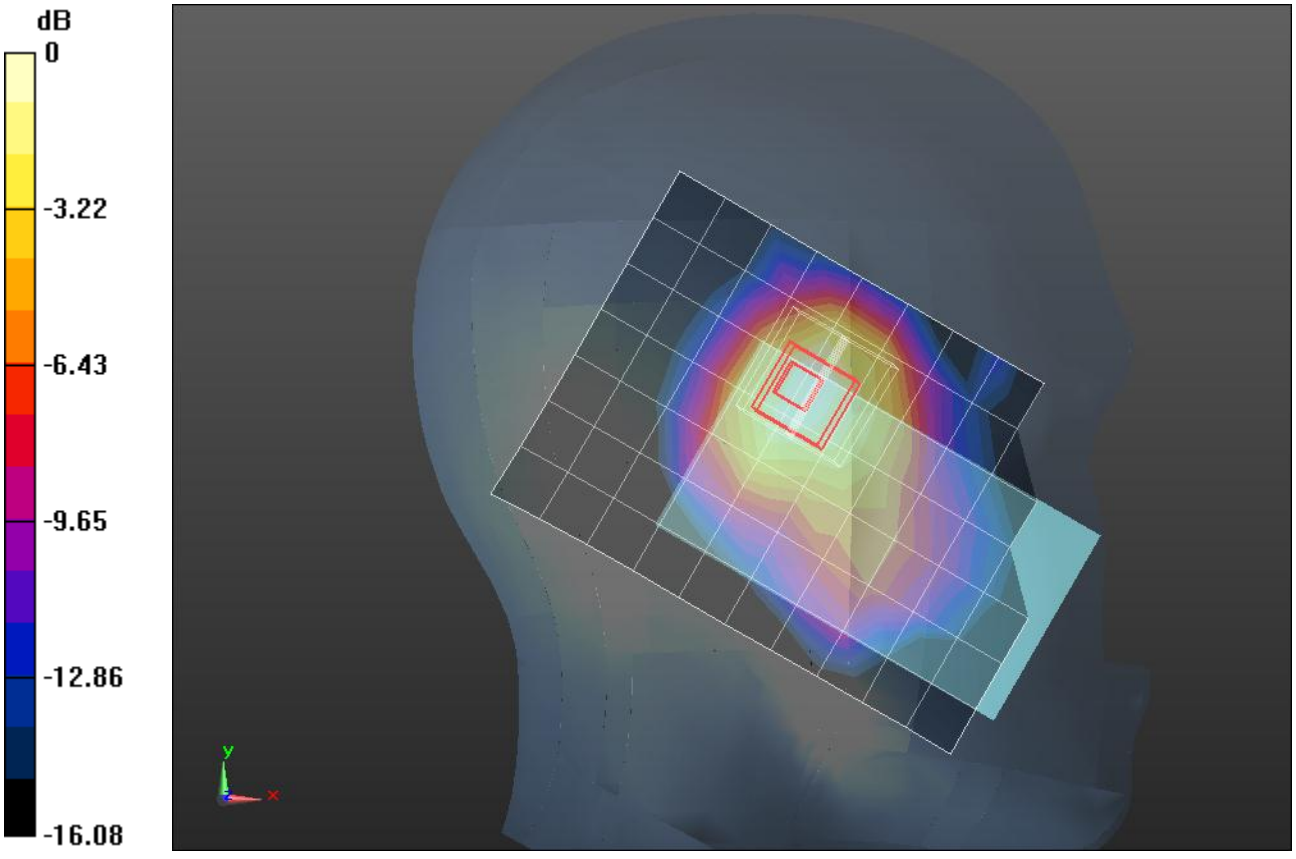
Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.394 mho/m; ε_r = 40.638; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(7.51, 7.51, 7.51); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

Left Touch/16QAM RB 1_0_19dBm/Ch 18900/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.290 mW/g

Left Touch/16QAM RB 1_0_19dBm/Ch 18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.449 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.4110
SAR(1 g) = 0.215 mW/g; SAR(10 g) = 0.123 mW/g
Maximum value of SAR (measured) = 0.278 mW/g



0 dB = 0.280mW/g = -11.06 dB mW/g

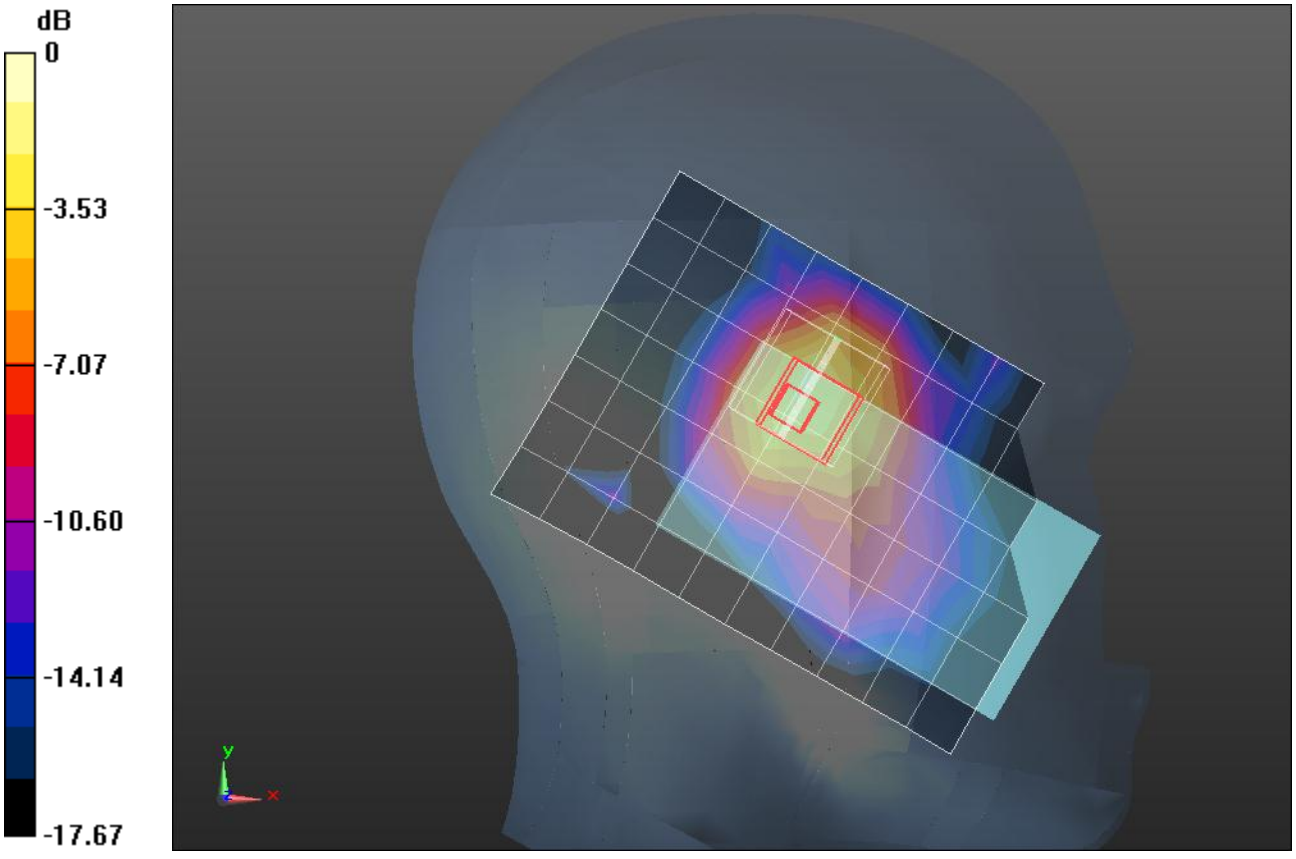
Test Laboratory: UL CCS SAR Lab B Date: 6/9/2012

LTE Band2

Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.394 mho/m; ε_r = 40.638; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(7.51, 7.51, 7.51); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

Left Touch/16QAM RB 1_49_19dBm/Ch 18900/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.189 mW/g

Left Touch/16QAM RB 1_49_19dBm/Ch 18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.556 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.3130
SAR(1 g) = 0.139 mW/g; SAR(10 g) = 0.069 mW/g
Maximum value of SAR (measured) = 0.302 mW/g



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

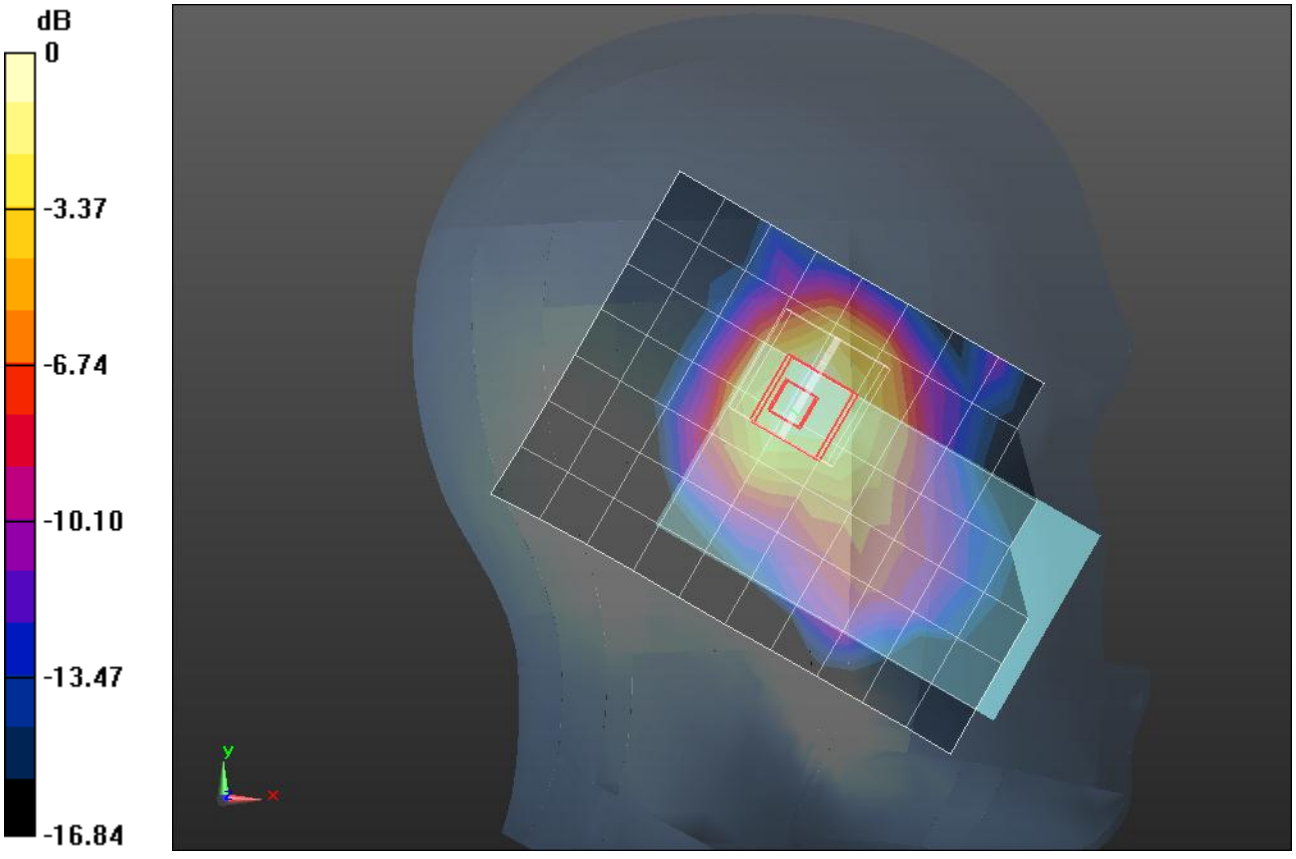
Test Laboratory: UL CCS SAR Lab B Date: 6/9/2012

LTE Band2

Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.394 mho/m; ε_r = 40.638; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(7.51, 7.51, 7.51); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

Left Touch/16QAM RB 25_12/Ch 18900/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.165 mW/g

Left Touch/16QAM RB 25_12/Ch 18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.672 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.2770
SAR(1 g) = 0.149 mW/g; SAR(10 g) = 0.087 mW/g
Maximum value of SAR (measured) = 0.190 mW/g



0 dB = 0.190mW/g = -14.42 dB mW/g

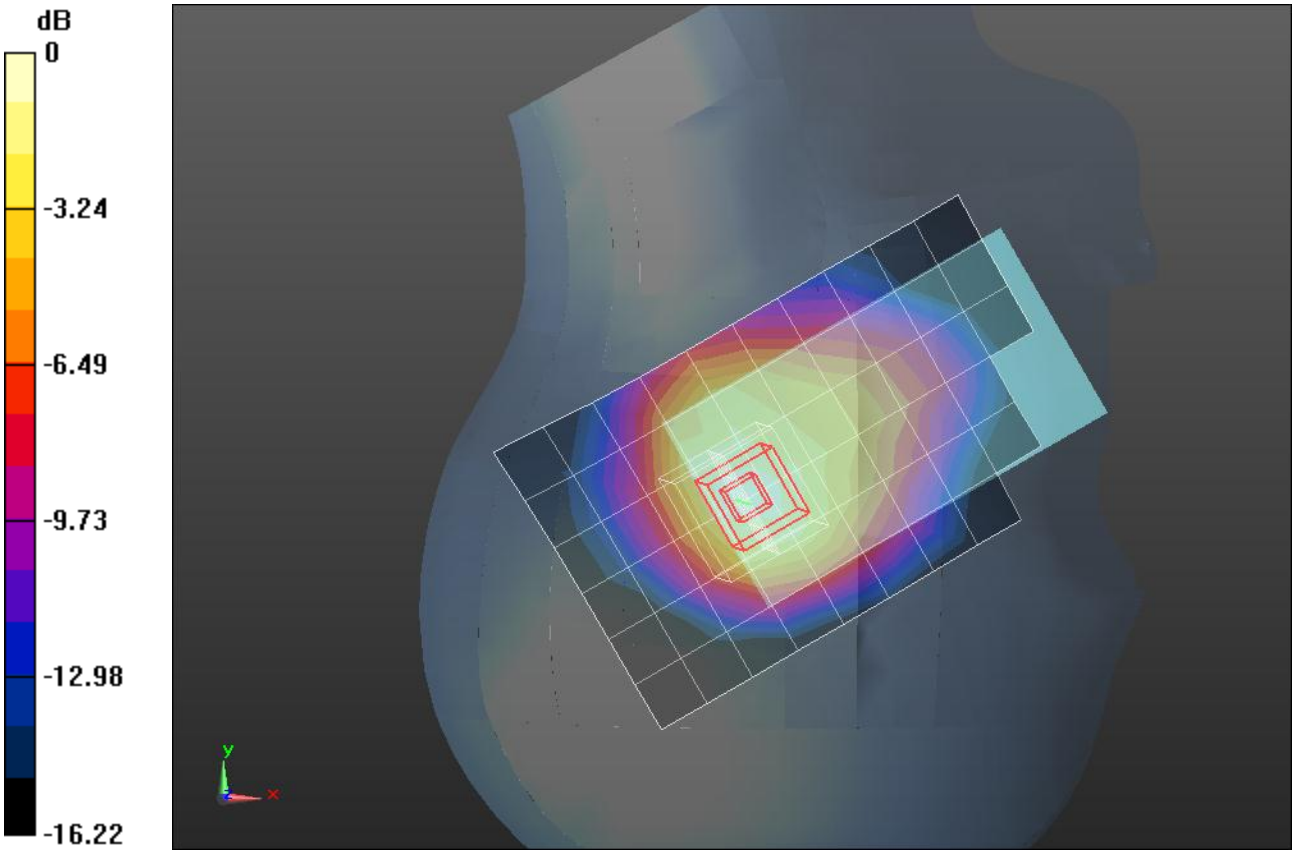
Test Laboratory: UL CCS SAR Lab B Date: 6/9/2012

LTE Band2

Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.394 mho/m; ε_r = 40.638; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(7.51, 7.51, 7.51); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

Right Touch/QPSK RB 1_0_19dBm/Ch 18900/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.265 mW/g

Right Touch/QPSK RB 1_0_19dBm/Ch 18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.814 V/m; Power Drift = -0.0027 dB
Peak SAR (extrapolated) = 0.3720
SAR(1 g) = 0.231 mW/g; SAR(10 g) = 0.138 mW/g
Maximum value of SAR (measured) = 0.289 mW/g



0 dB = 0.290mW/g = -10.75 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 6/9/2012

LTE Band2

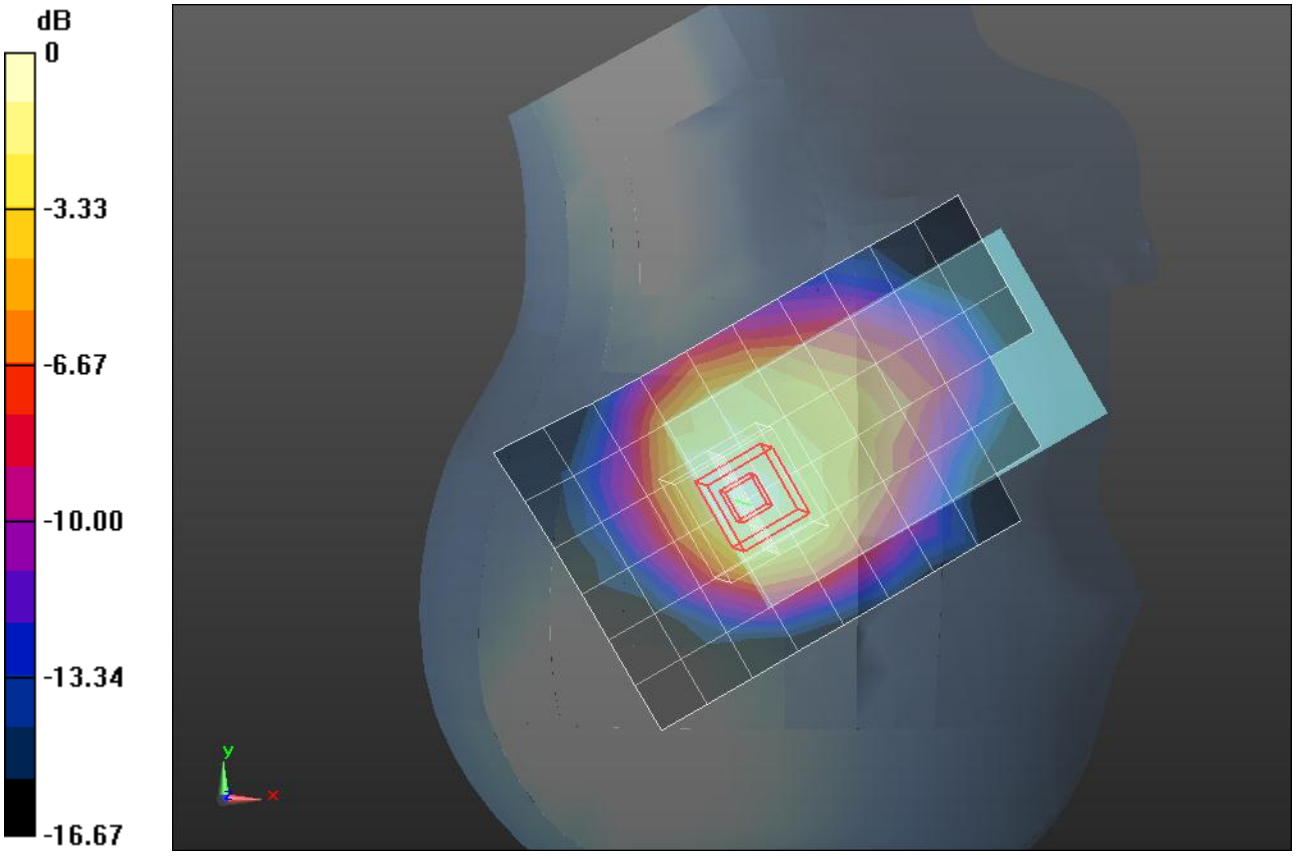
Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.394 mho/m; ε_r = 40.638; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(7.51, 7.51, 7.51); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

Right Touch/QPSK RB 1_49_19dBm/Ch 18900/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.319 mW/g

Right Touch/QPSK RB 1_49_19dBm/Ch 18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.159 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.4640
SAR(1 g) = 0.290 mW/g; SAR(10 g) = 0.172 mW/g
Maximum value of SAR (measured) = 0.361 mW/g



0 dB = 0.360mW/g = -8.87 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 6/9/2012

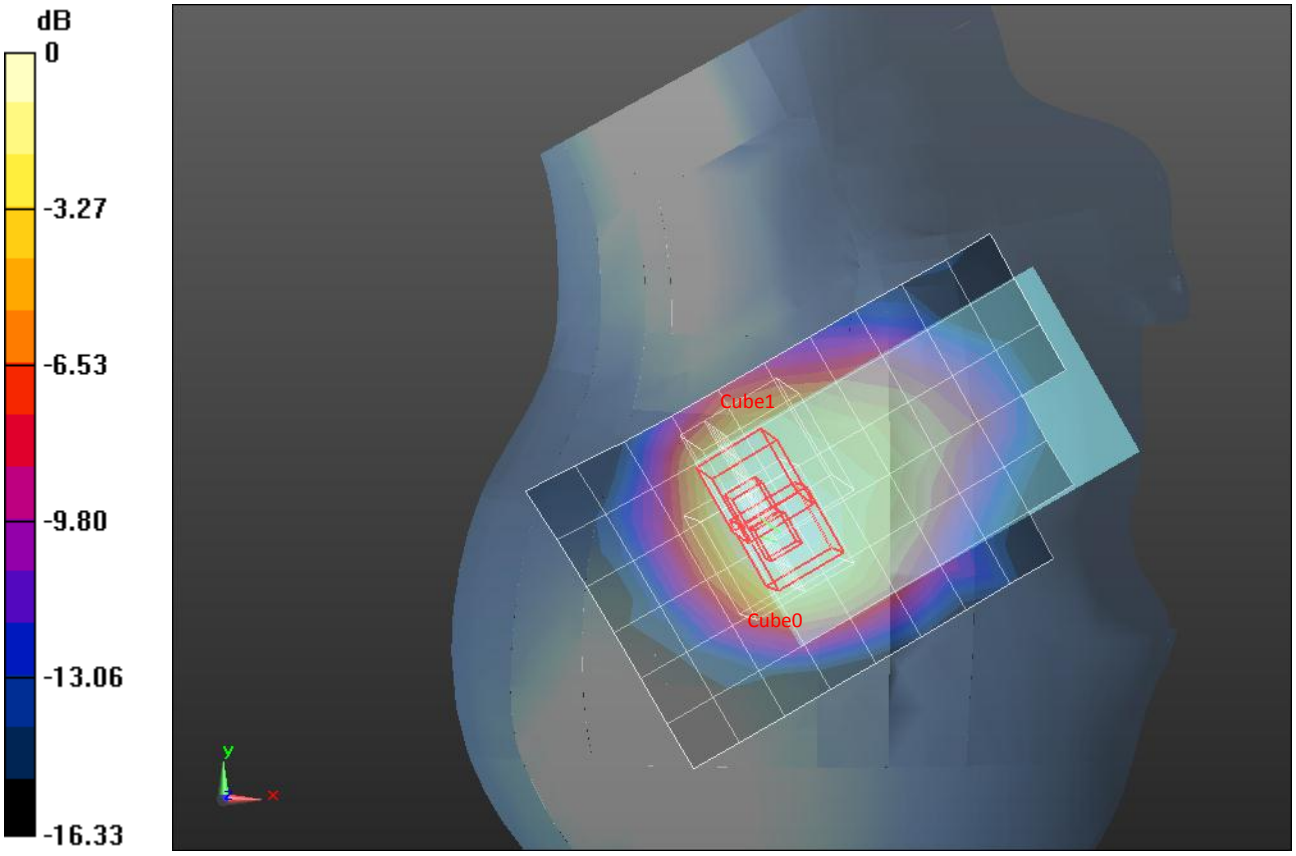
LTE Band2

Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.394 mho/m; ε_r = 40.638; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(7.51, 7.51, 7.51); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

Right Touch/QPSK RB 25_12_19dBm/Ch 18900/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.243 mW/g

Right Touch/QPSK RB 25_12_19dBm/Ch 18900/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.252 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.3440
SAR(1 g) = 0.215 mW/g; SAR(10 g) = 0.127 mW/g
Maximum value of SAR (measured) = 0.262 mW/g

Right Touch/QPSK RB 25_12_19dBm/Ch 18900/Zoom Scan (5x5x7)/Cube 1:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.252 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.2930
SAR(1 g) = 0.175 mW/g; SAR(10 g) = 0.094 mW/g
Maximum value of SAR (measured) = 0.239 mW/g



0 dB = 0.240mW/g = -12.40 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 6/9/2012

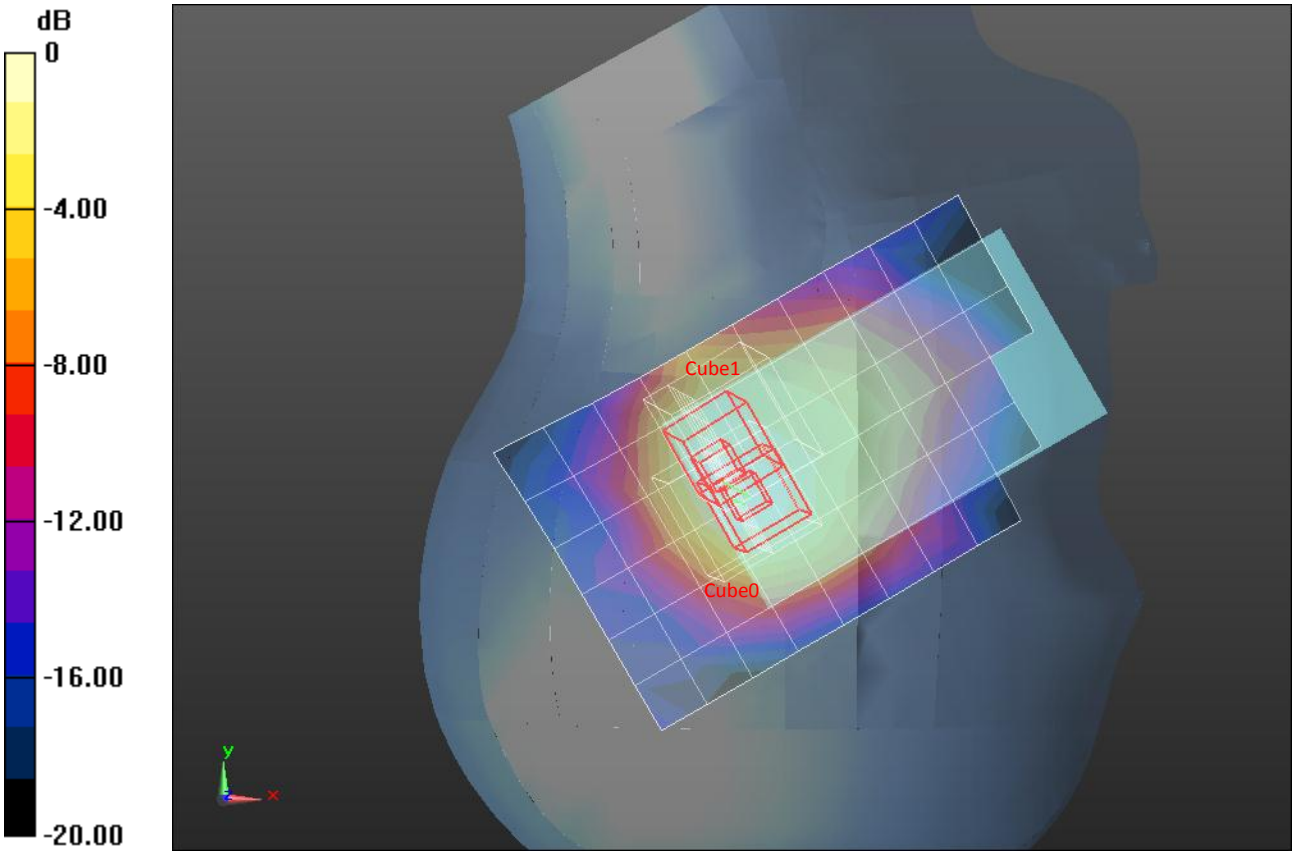
LTE Band2

Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.394 mho/m; ε_r = 40.638; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(7.51, 7.51, 7.51); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

Right Touch/16QAM RB 1_0_19dBm/Ch 18900/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.227 mW/g

Right Touch/16QAM RB 1_0_19dBm/Ch 18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.512 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.3120
SAR(1 g) = 0.197 mW/g; SAR(10 g) = 0.118 mW/g
Maximum value of SAR (measured) = 0.241 mW/g

Right Touch/16QAM RB 1_0_19dBm/Ch 18900/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.512 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.3000
SAR(1 g) = 0.168 mW/g; SAR(10 g) = 0.091 mW/g
Maximum value of SAR (measured) = 0.235 mW/g



0 dB = 0.240mW/g = -12.40 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 6/9/2012

LTE Band2

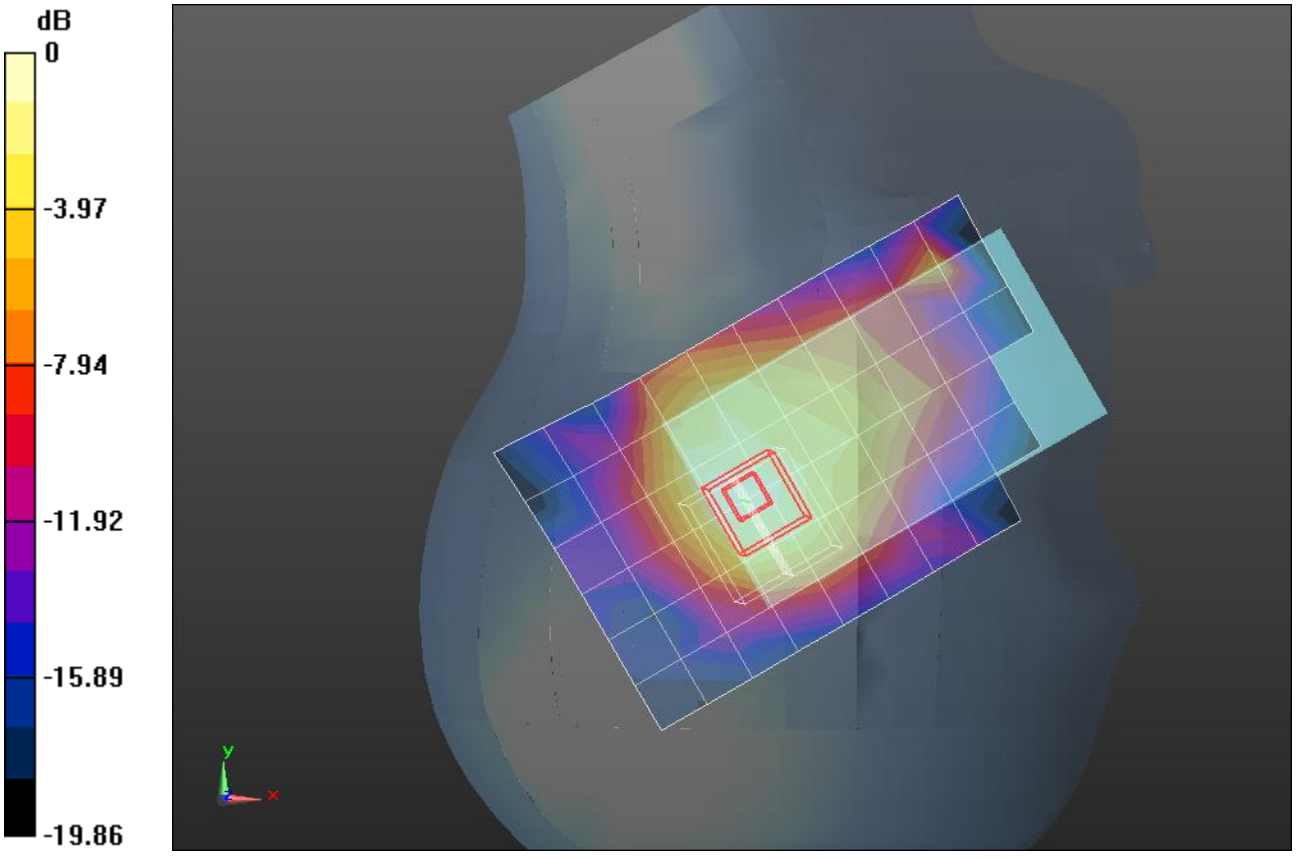
Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.394 mho/m; ε_r = 40.638; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(7.51, 7.51, 7.51); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

Right Touch/16QAM RB 1_49_19dBm/Ch 18900/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.128 mW/g

Right Touch/16QAM RB 1_49_19dBm/Ch 18900/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.597 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.1790
SAR(1 g) = 0.113 mW/g; SAR(10 g) = 0.068 mW/g
Maximum value of SAR (measured) = 0.147 mW/g



0 dB = 0.150mW/g = -16.48 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 6/9/2012

LTE Band2

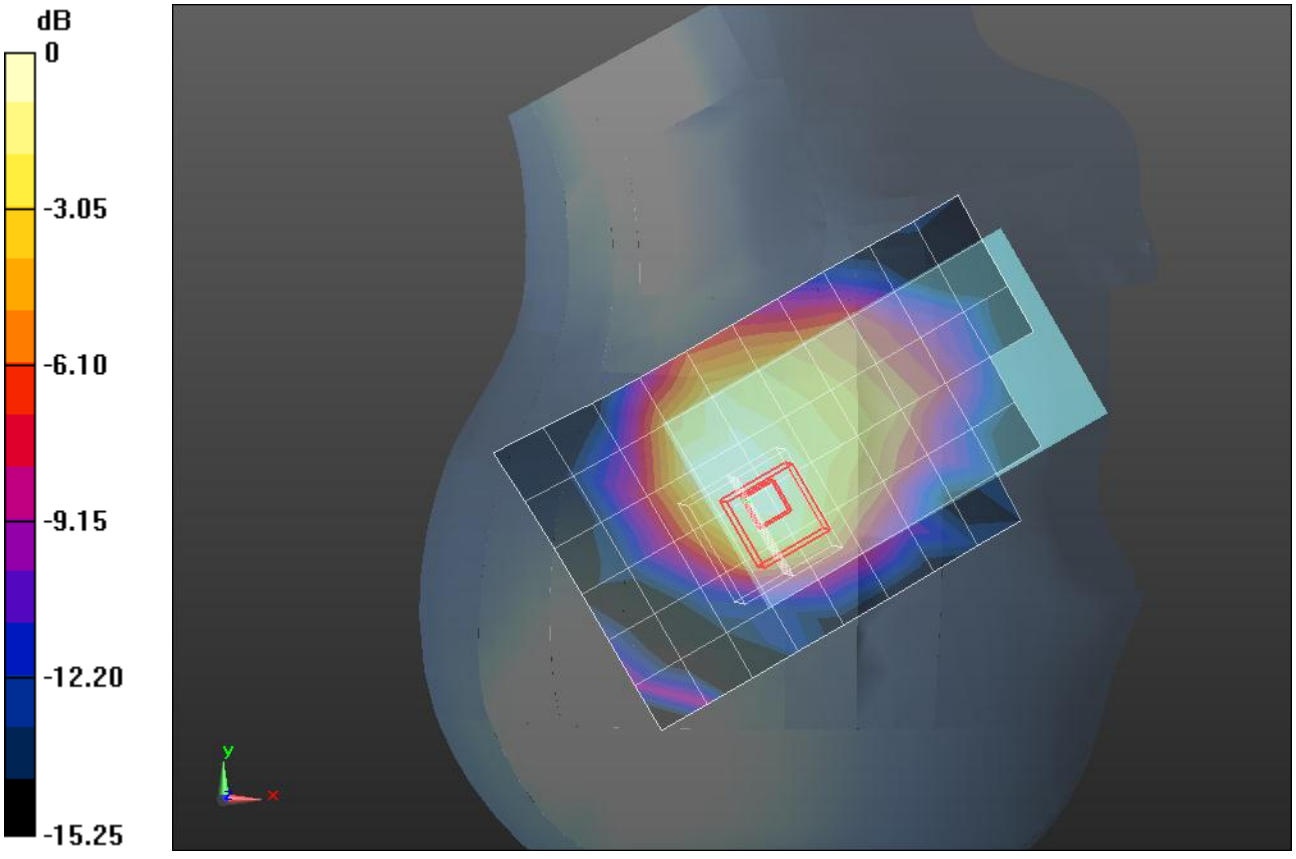
Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.394 mho/m; ε_r = 40.638; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(7.51, 7.51, 7.51); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

Right Touch/16QAM RB 25_12_19dBm/Ch 18900/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.155 mW/g

Right Touch/16QAM RB 25_12_19dBm/Ch 18900/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.440 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.2750
SAR(1 g) = 0.136 mW/g; SAR(10 g) = 0.062 mW/g
Maximum value of SAR (measured) = 0.149 mW/g



0 dB = 0.150mW/g = -16.48 dB mW/g

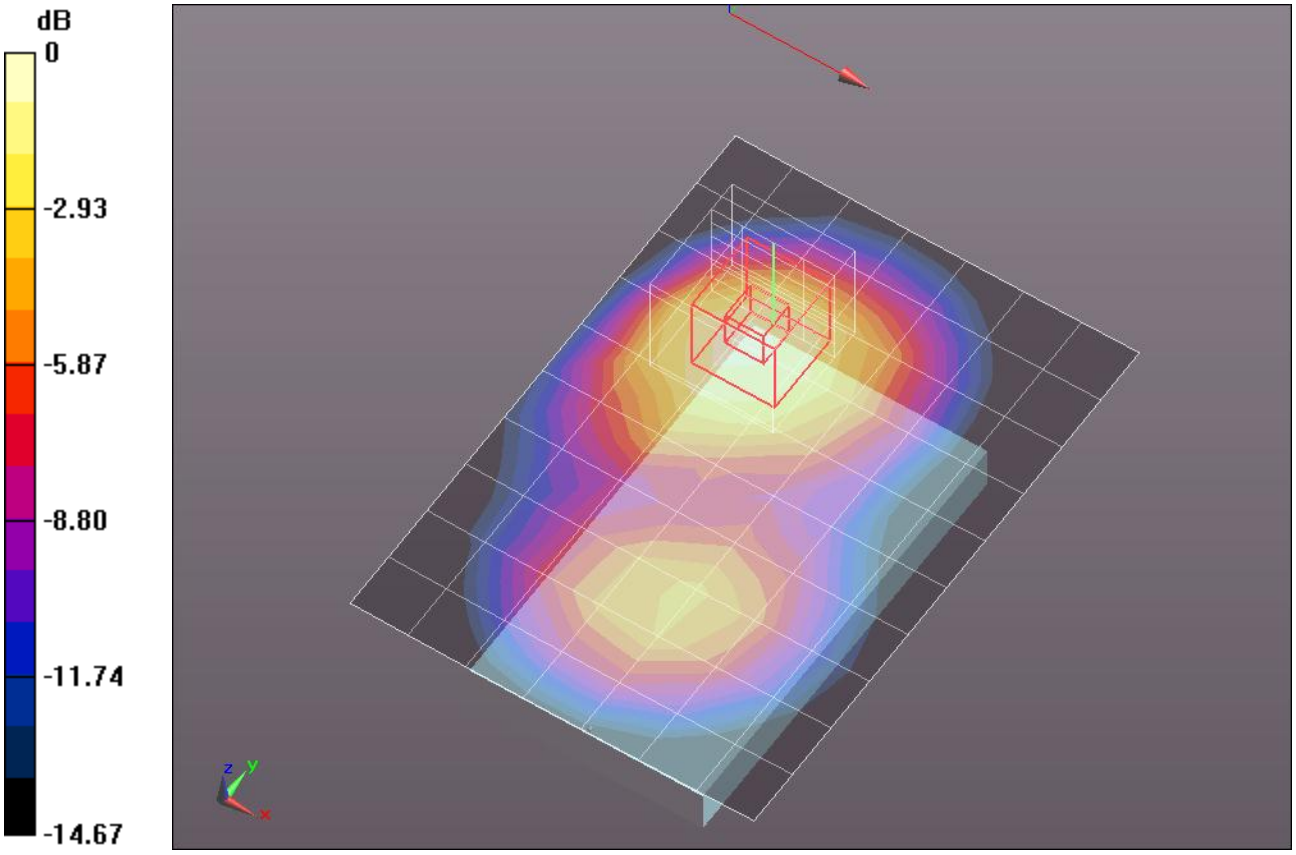
Test Laboratory: UL CCS SAR Lab B Date: 6/9/2012

LTE Band2

Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.516 mho/m; ε_r = 51.598; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(7.04, 7.04, 7.04); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118

Rear/QPSK RB 1_0_19dBm/Ch 18900/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.402 mW/g

Rear/QPSK RB 1_0_19dBm/Ch 18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.659 V/m; Power Drift = -0.0048 dB
Peak SAR (extrapolated) = 0.5940
SAR(1 g) = 0.332 mW/g; SAR(10 g) = 0.192 mW/g
Maximum value of SAR (measured) = 0.419 mW/g



0 dB = 0.420mW/g = -7.54 dB mW/g

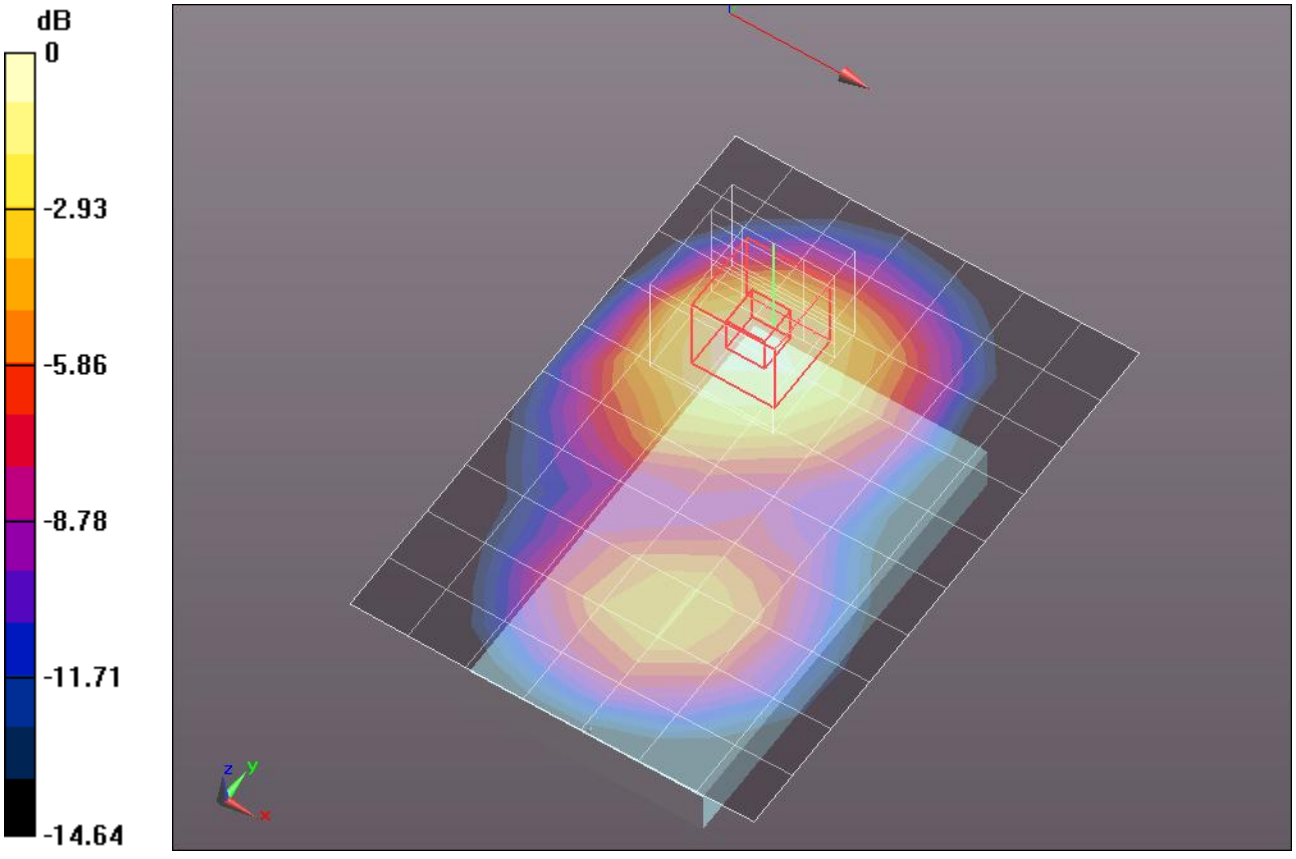
Test Laboratory: UL CCS SAR Lab B Date: 6/9/2012

LTE Band2

Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.516 mho/m; ε_r = 51.598; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(7.04, 7.04, 7.04); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118

Rear/QPSK RB 1_49_19dBm/Ch 18900/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.506 mW/g

Rear/QPSK RB 1_49_19dBm/Ch 18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.590 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.7290
SAR(1 g) = 0.414 mW/g; SAR(10 g) = 0.241 mW/g
Maximum value of SAR (measured) = 0.516 mW/g



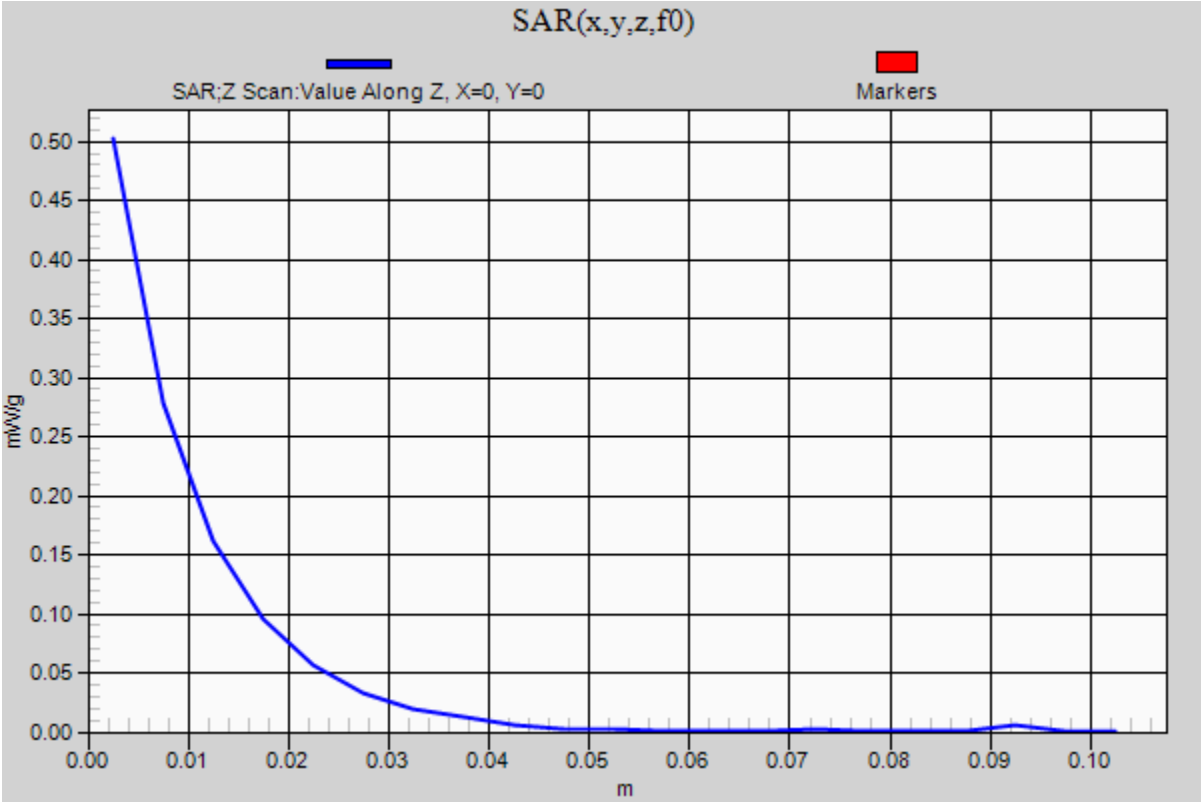
0 dB = 0.520mW/g = -5.68 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 6/9/2012

LTE Band2

Frequency: 1880 MHz; Duty Cycle: 1:1

Rear/QPSK RB 1_49_19dBm/Ch 18900/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.502 mW/g



Test Laboratory: UL CCS SAR Lab B Date: 6/9/2012

LTE Band2

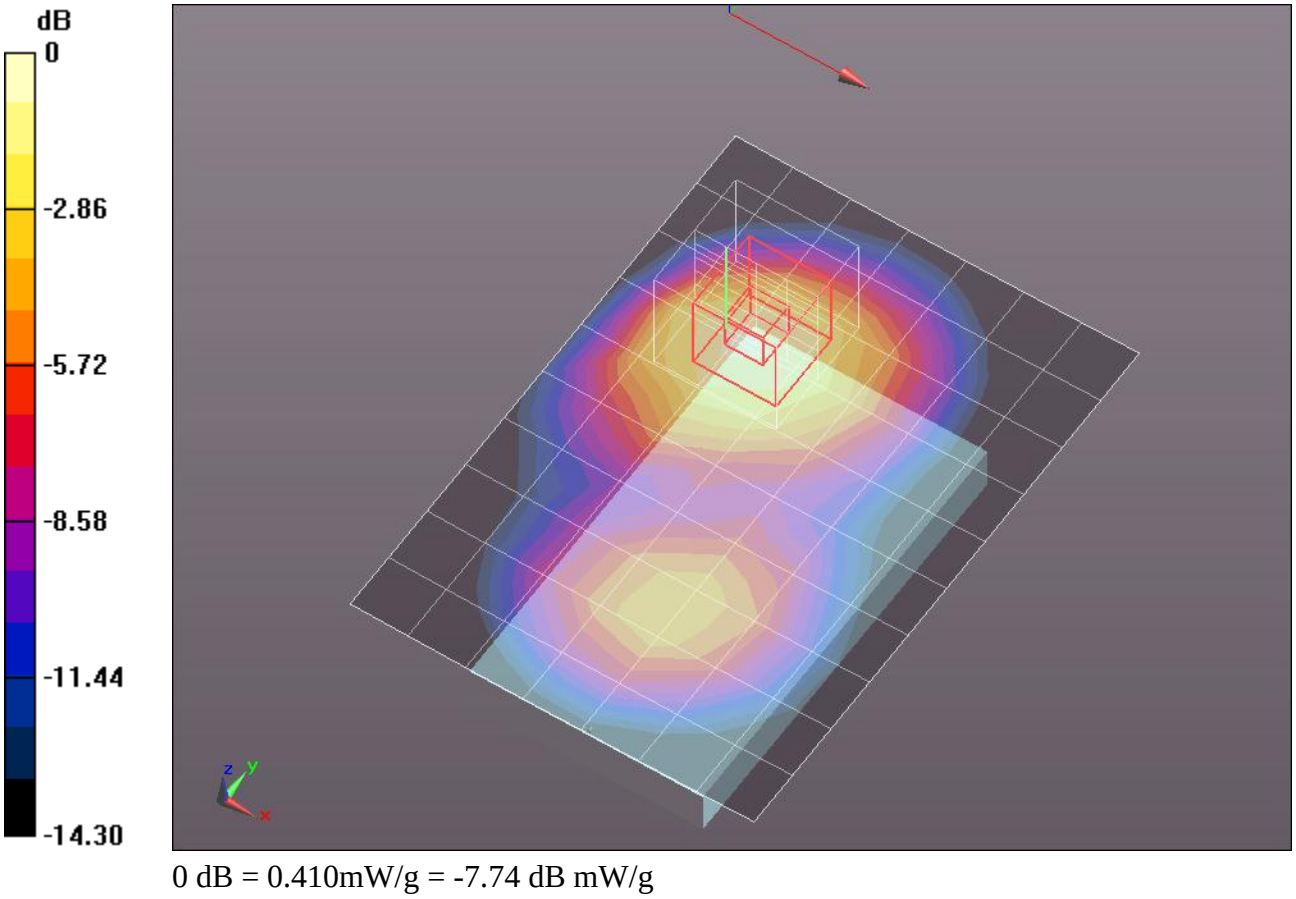
Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.516 mho/m; ε_r = 51.598; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(7.04, 7.04, 7.04); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118

Rear/QPSK RB 25_12_19dBm/Ch 18900/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.370 mW/g

Rear/QPSK RB 25_12_19dBm/Ch 18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.256 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.5700
SAR(1 g) = 0.328 mW/g; SAR(10 g) = 0.188 mW/g
Maximum value of SAR (measured) = 0.407 mW/g



0 dB = 0.410mW/g = -7.74 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 6/9/2012

LTE Band2

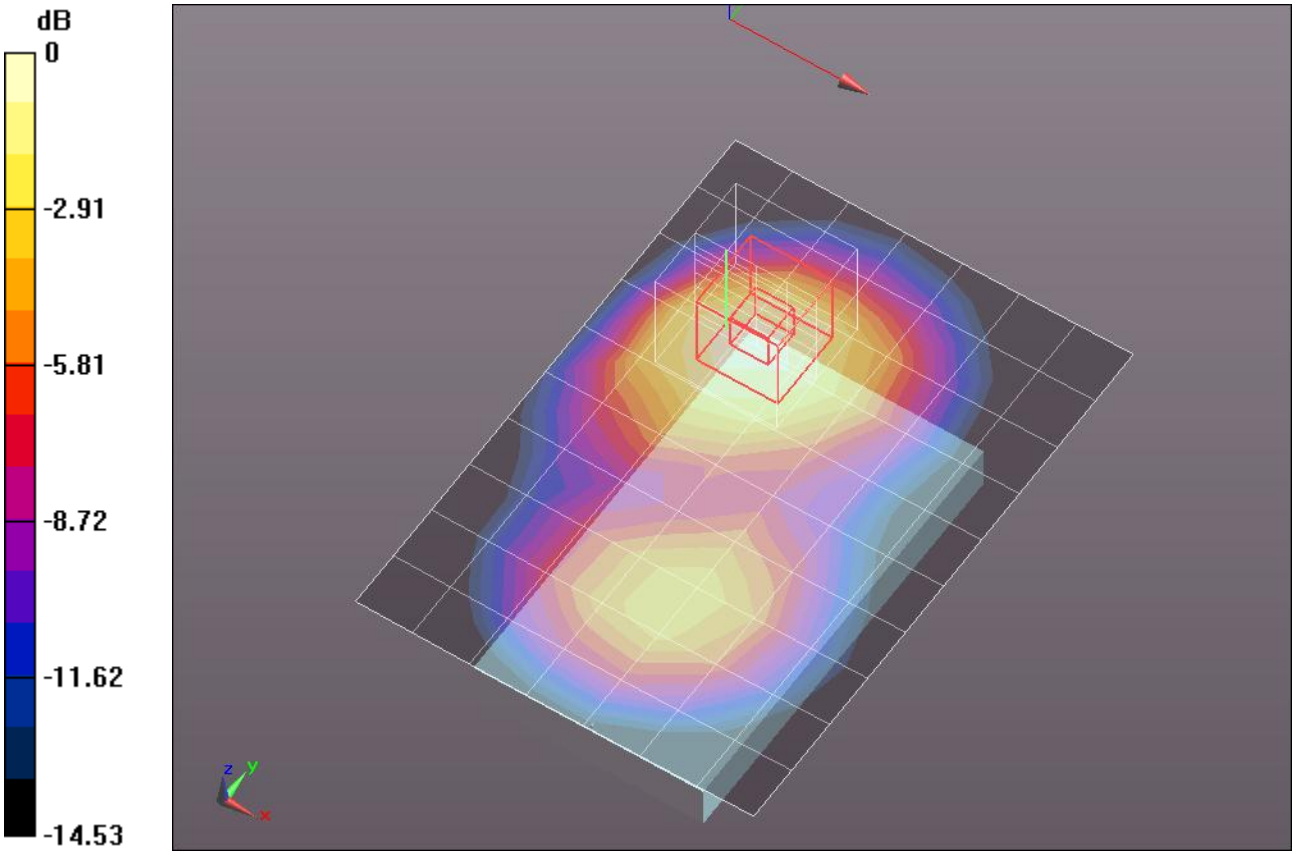
Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.516 mho/m; ε_r = 51.598; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(7.04, 7.04, 7.04); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118

Rear/16QAM RB 1_0_19dBm/Ch 18900/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.308 mW/g

Rear/16QAM RB 1_0_19dBm/Ch 18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.391 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.4270
SAR(1 g) = 0.247 mW/g; SAR(10 g) = 0.142 mW/g
Maximum value of SAR (measured) = 0.309 mW/g



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

Test Laboratory: UL CCS SAR Lab B Date: 6/9/2012

LTE Band2

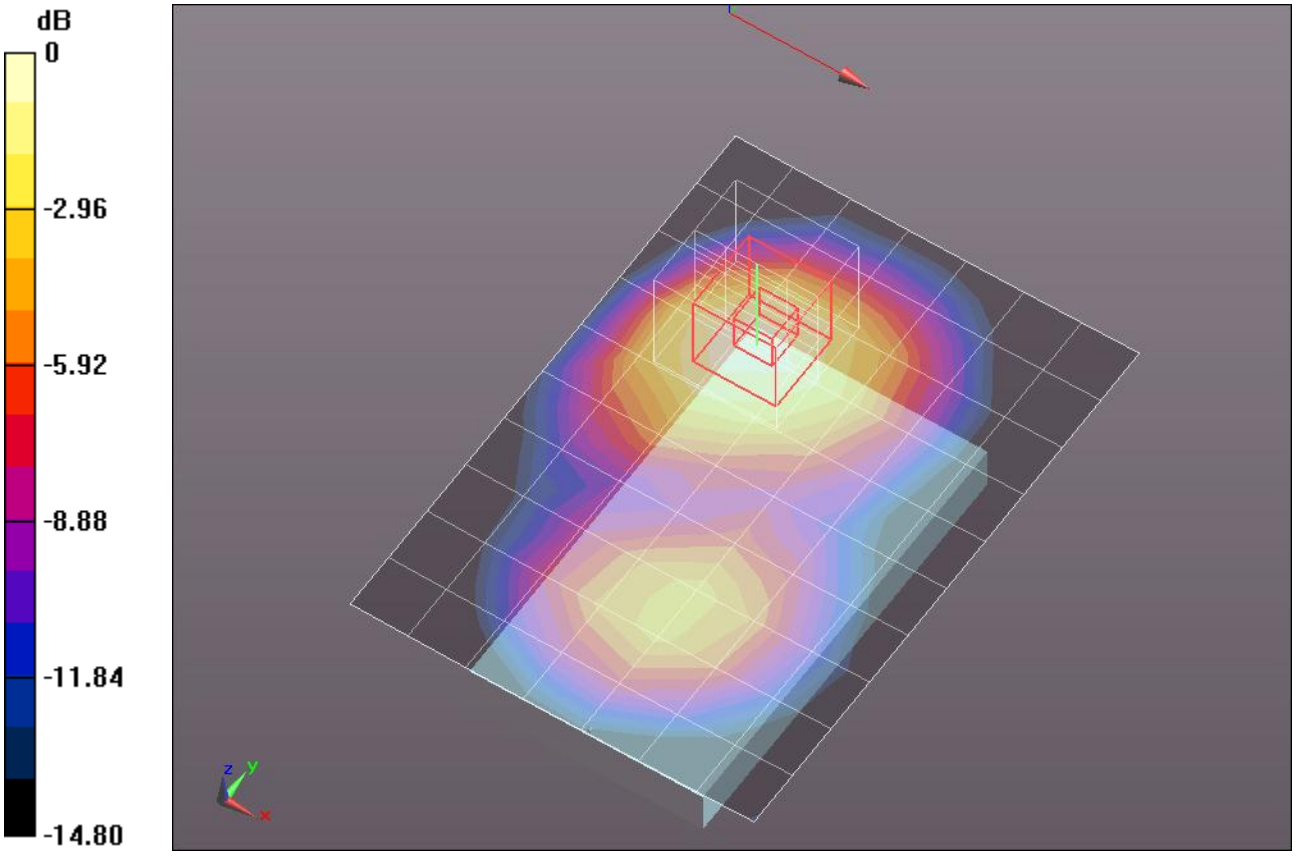
Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.516 mho/m; ε_r = 51.598; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(7.04, 7.04, 7.04); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118

Rear/16QAM RB 1_49_19dBm/Ch 18900/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.240 mW/g

Rear/16QAM RB 1_49_19dBm/Ch 18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.695 V/m; Power Drift = -0.0045 dB
Peak SAR (extrapolated) = 0.3340
SAR(1 g) = 0.196 mW/g; SAR(10 g) = 0.113 mW/g
Maximum value of SAR (measured) = 0.244 mW/g



0 dB = 0.240mW/g = -12.40 dB mW/g

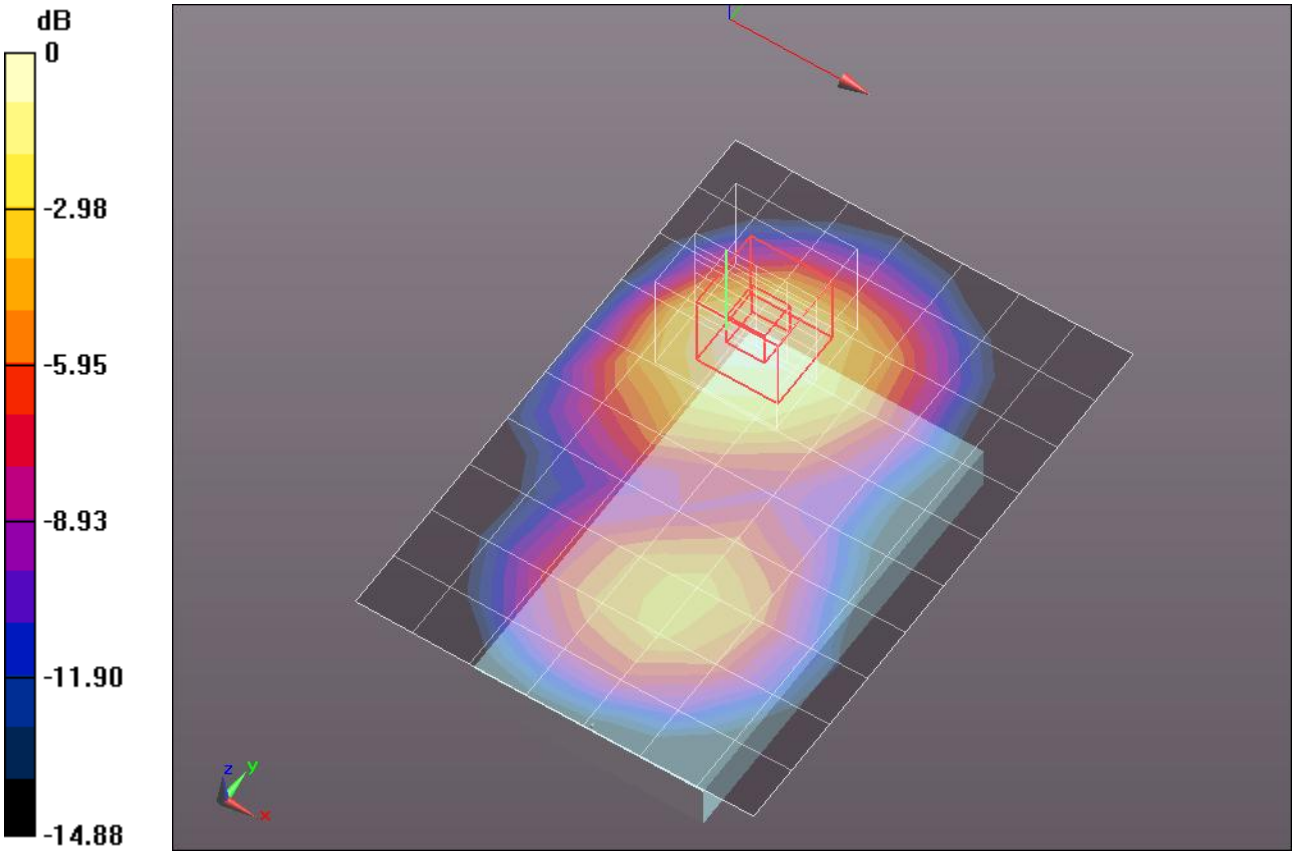
Test Laboratory: UL CCS SAR Lab B Date: 6/9/2012

LTE Band2

Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.516 mho/m; ε_r = 51.598; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV4 - SN3686; ConvF(7.04, 7.04, 7.04); Calibrated: 2/16/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118

Rear/16QAM RB 25_12_19dBm/Ch 18900/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.203 mW/g

Rear/16QAM RB 25_12_19dBm/Ch 18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.661 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.2920
SAR(1 g) = 0.166 mW/g; SAR(10 g) = 0.095 mW/g
Maximum value of SAR (measured) = 0.207 mW/g



0 dB = 0.210mW/g = -13.56 dB mW/g