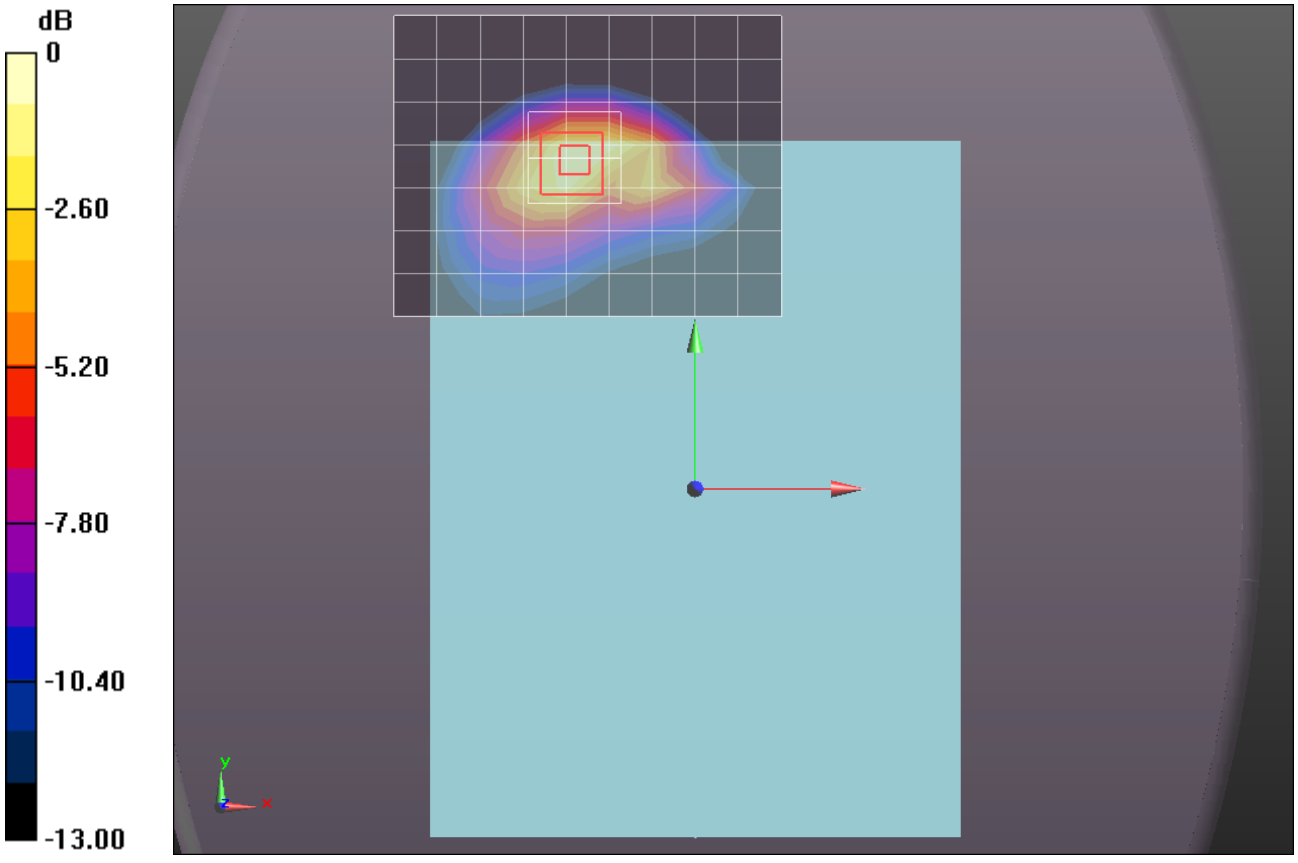
Test Laboratory: Lab B Date: 9/18/2012

LTE Band 17

Frequency: 709 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 709 MHz; σ = 0.933 mho/m; ε_r = 53.688; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Rear/QPSK_RB#1, 24_Ch 23780/Area Scan (10x8x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.244 mW/g

Rear/QPSK_RB#1, 24_Ch 23780/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 40.189 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 2.1960
SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.557 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.620 mW/g



0 dB = 1.620mW/g = 4.19 dB mW/g

Test Laboratory: Lab B Date: 9/18/2012

LTE Band 17

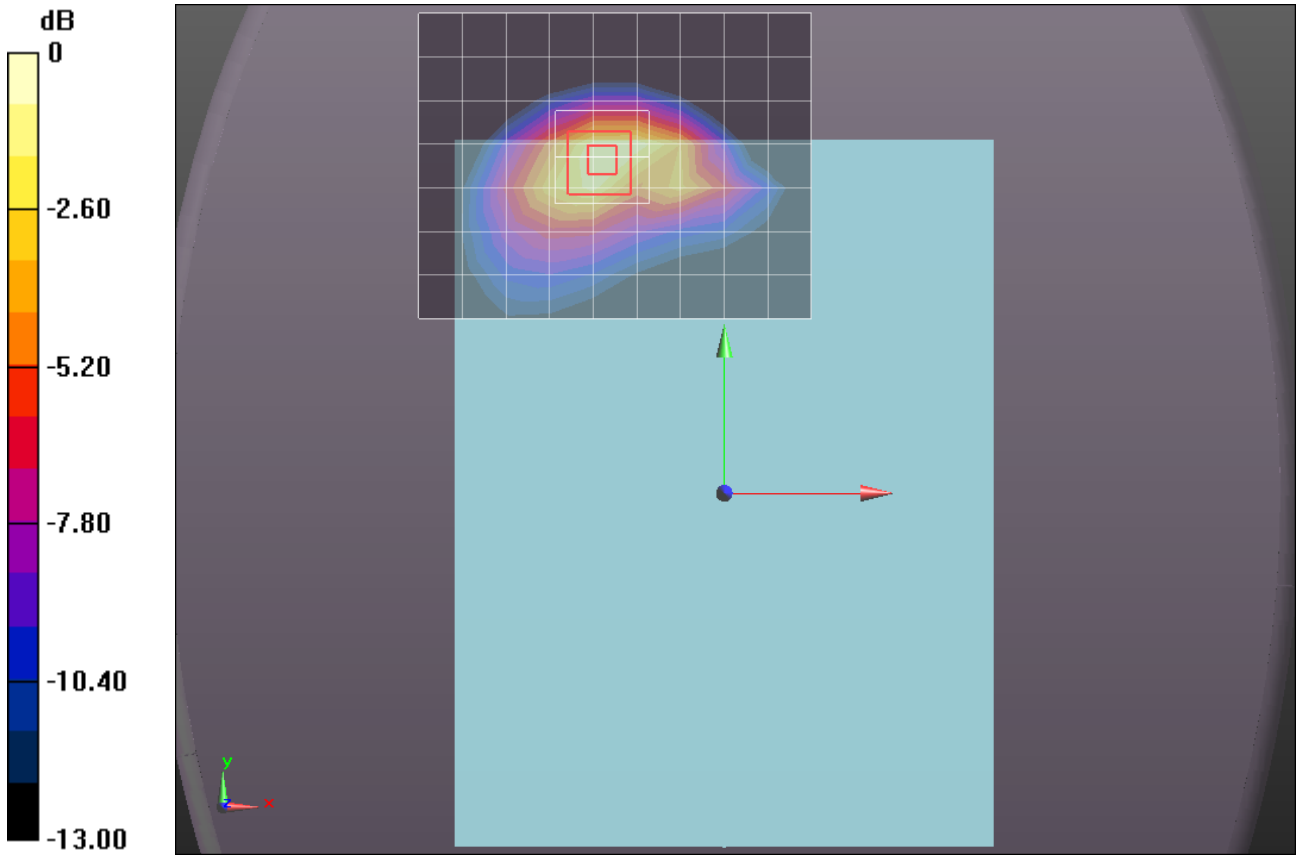
Frequency: 709 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 709 MHz; σ = 0.933 mho/m; ε_r = 53.688; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Rear/QPSK_RB#25, 12_Ch 23780/Area Scan (10x8x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.339 mW/g

Rear/QPSK_RB#25, 12_Ch 23780/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 41.484 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 2.3350
SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.591 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.712 mW/g



0 dB = 1.710mW/g = 4.66 dB mW/g

Test Laboratory: Lab B Date: 9/17/2012

LTE Band 17

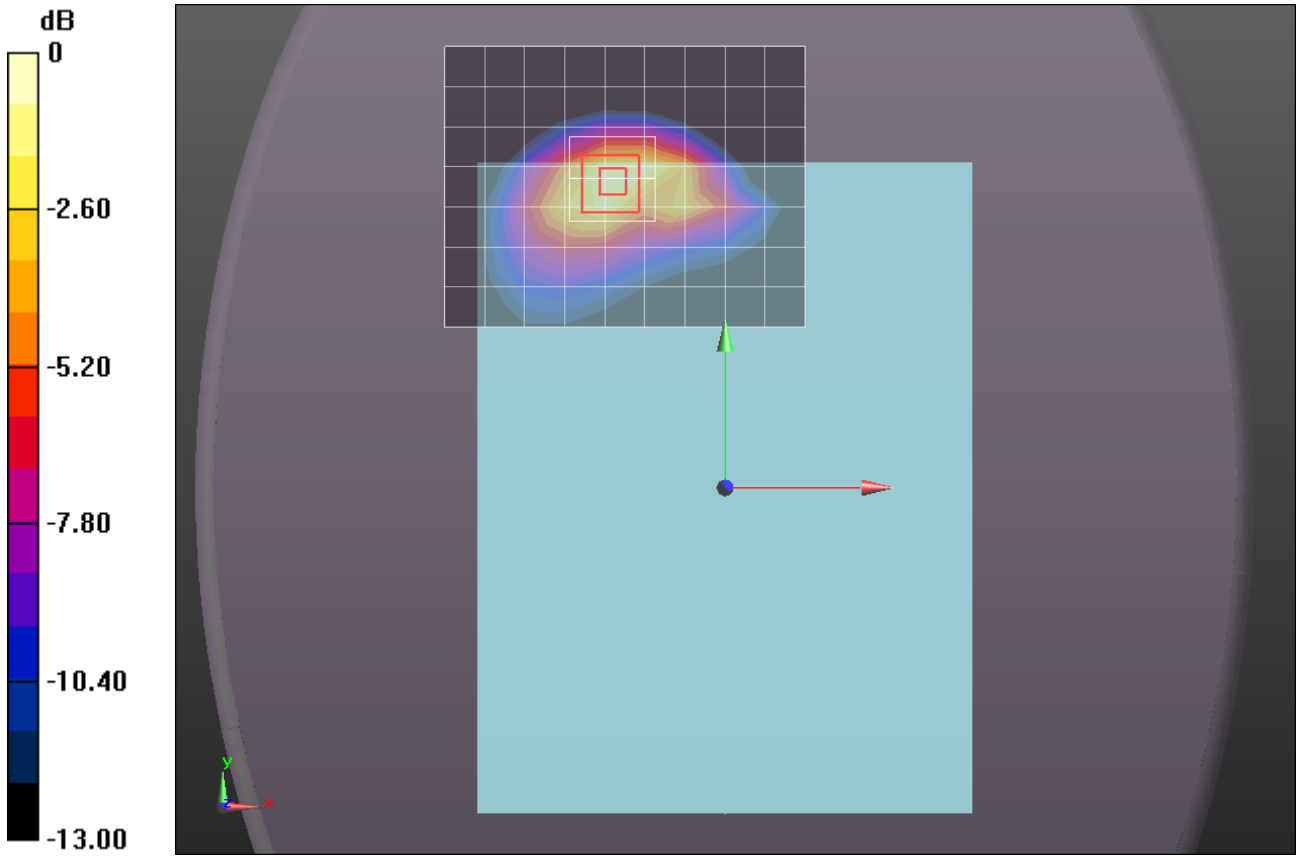
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.934 mho/m; ε_r = 53.676; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Rear/QPSK_RB#1, 0_Ch 23790/Area Scan (10x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.147 mW/g

Rear/QPSK_RB#1, 0_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 38.488 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 2.0040
SAR(1 g) = 0.970 mW/g; SAR(10 g) = 0.511 mW/g
Maximum value of SAR (measured) = 1.473 mW/g



0 dB = 1.470mW/g = 3.35 dB mW/g

Test Laboratory: Lab B Date: 9/17/2012

LTE Band 17

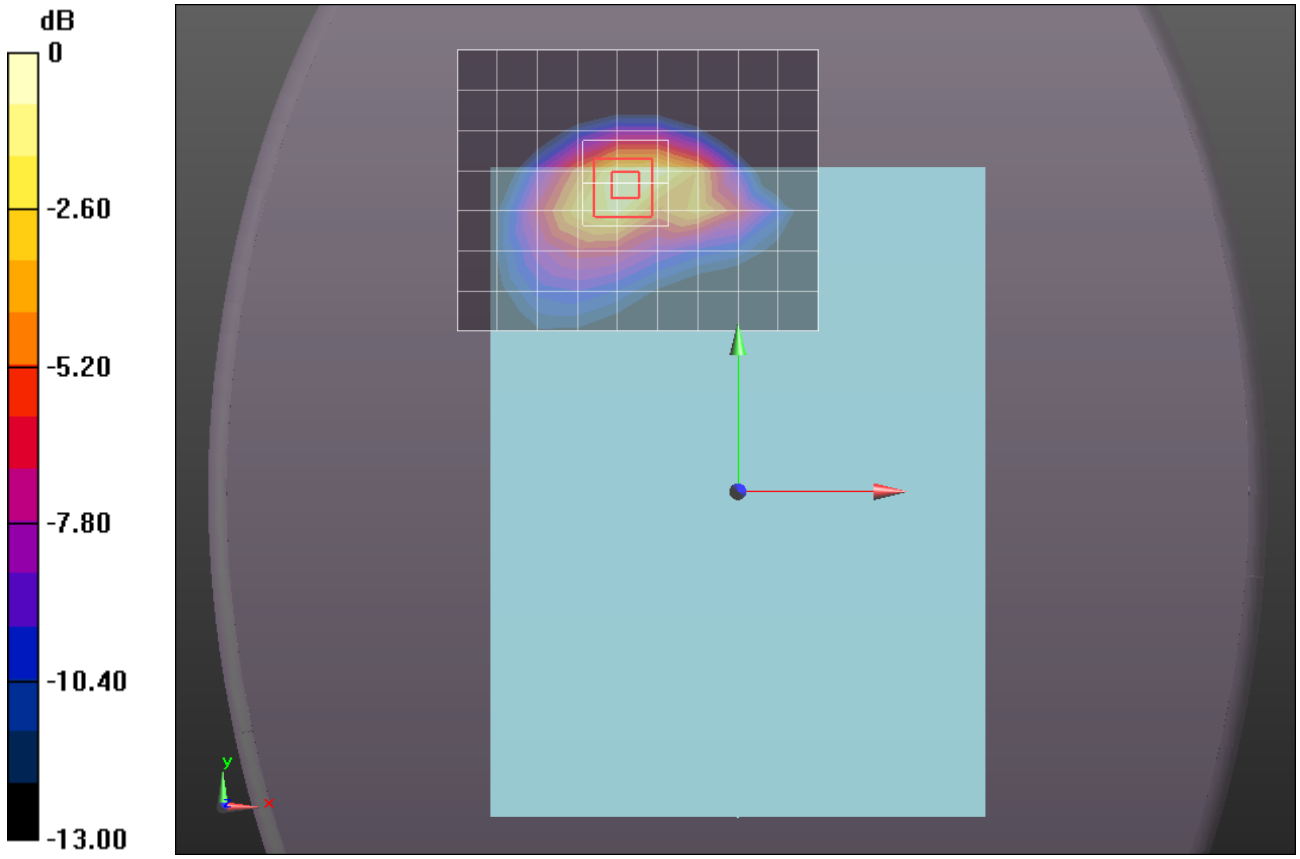
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.934 mho/m; ε_r = 53.676; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Rear/QPSK_RB#1,24_Ch 23790/Area Scan (10x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.272 mW/g

Rear/QPSK_RB#1,24_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 40.509 V/m; Power Drift = 0.0043 dB
Peak SAR (extrapolated) = 2.2060
SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.567 mW/g
Maximum value of SAR (measured) = 1.626 mW/g



0 dB = 1.630mW/g = 4.24 dB mW/g

Test Laboratory: Lab B Date: 9/17/2012

LTE Band 17

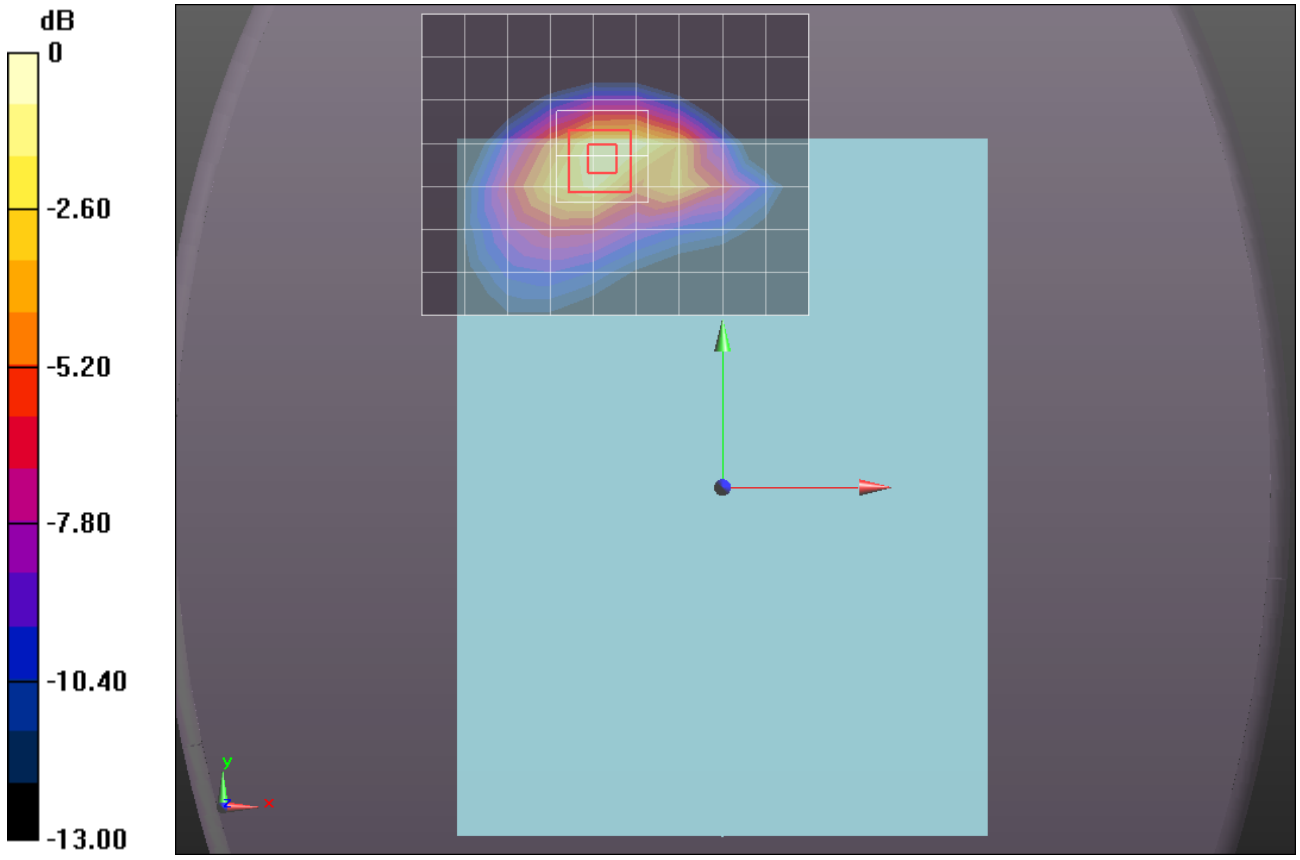
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.934 mho/m; ε_r = 53.676; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Rear/QPSK_RB#1,49_Ch 23790/Area Scan (10x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.236 mW/g

Rear/QPSK_RB#1,49_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 39.902 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 2.1330
SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.548 mW/g
Maximum value of SAR (measured) = 1.577 mW/g



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

Test Laboratory: Lab B Date: 9/17/2012

LTE Band 17

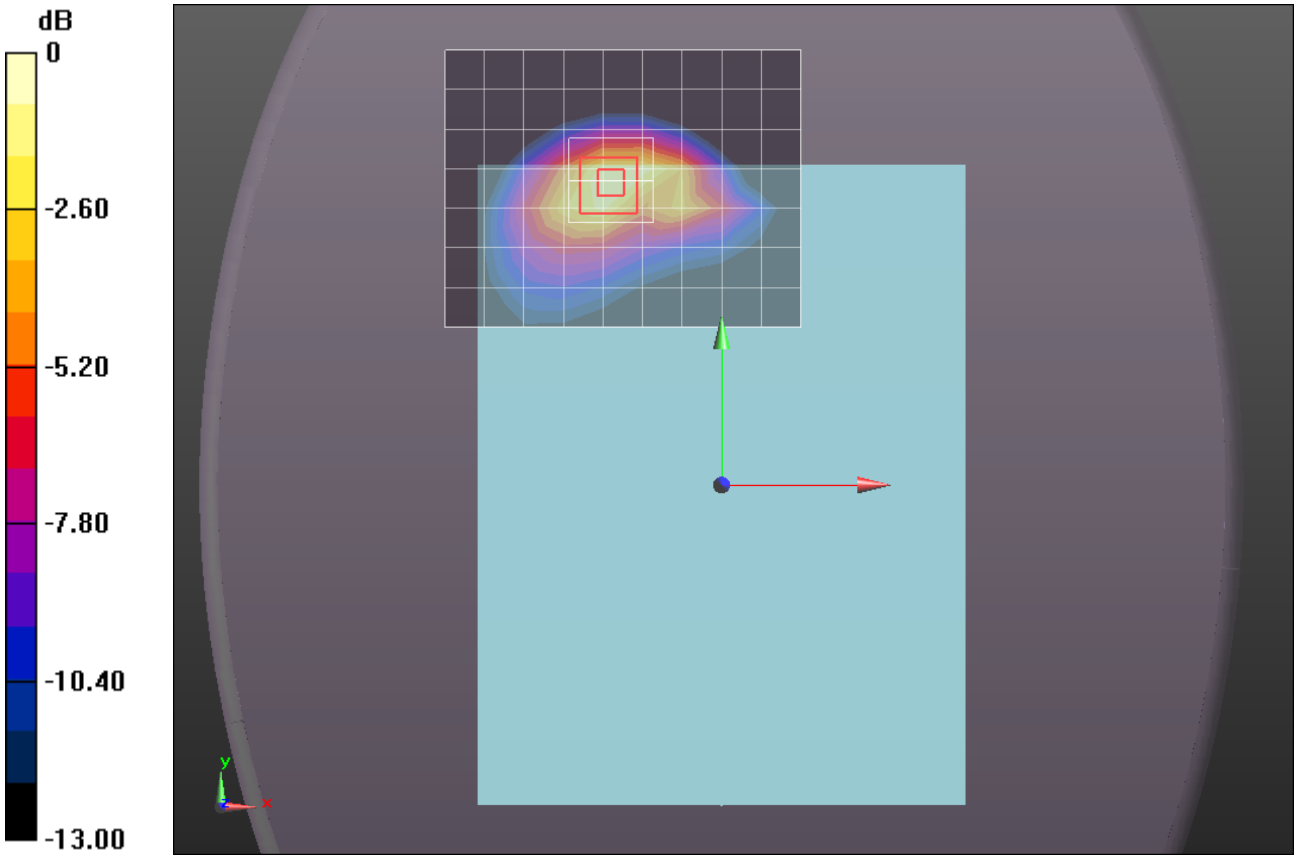
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.934 mho/m; ε_r = 53.676; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Rear/QPSK_RB#25,0_Ch 23790/Area Scan (10x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.275 mW/g

Rear/QPSK_RB#25,0_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 40.660 V/m; Power Drift = -0.0092 dB
Peak SAR (extrapolated) = 2.2370
SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.566 mW/g
Maximum value of SAR (measured) = 1.637 mW/g



0 dB = 1.640mW/g = 4.30 dB mW/g

Test Laboratory: Lab B Date: 9/17/2012

LTE Band 17

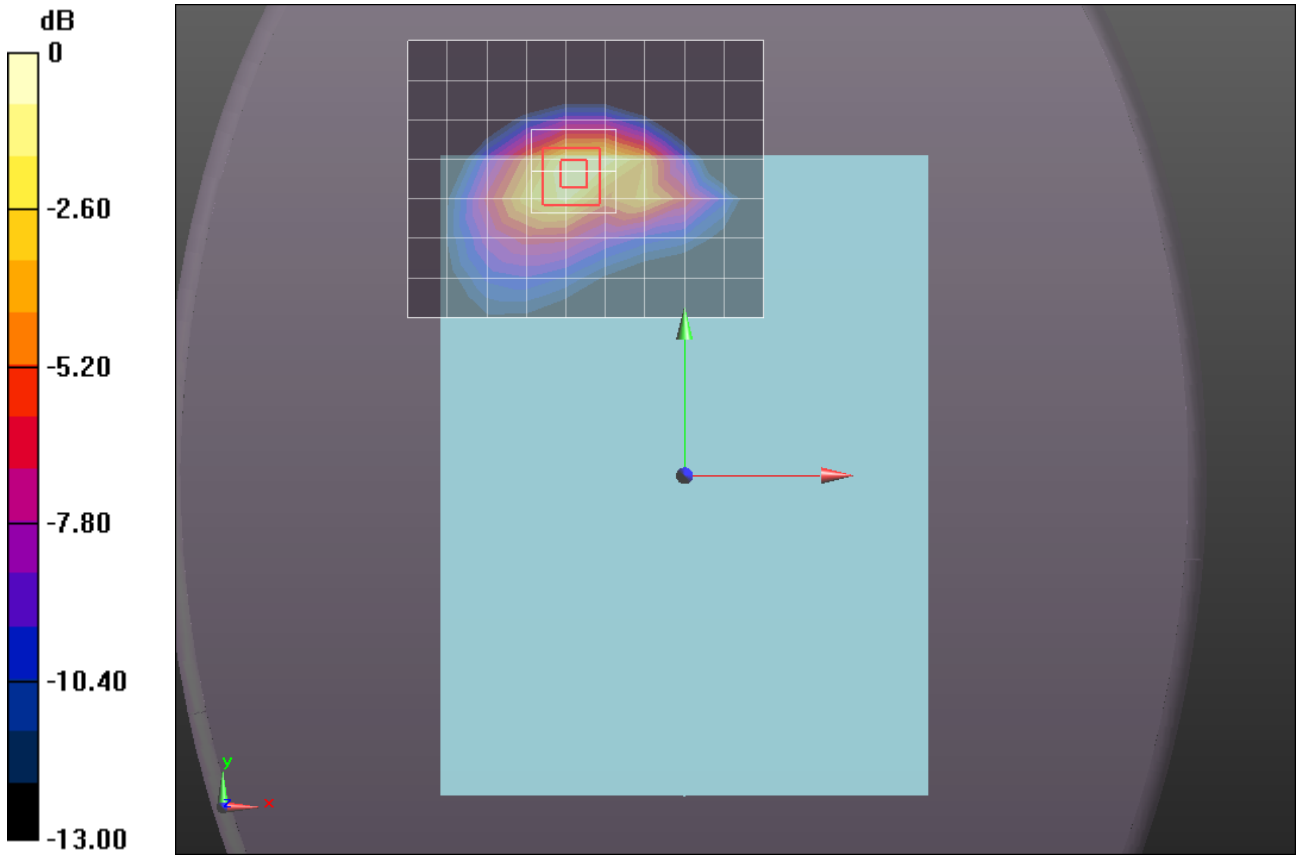
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.934 mho/m; ε_r = 53.676; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Rear/QPSK_RB#25,12_Ch 23790/Area Scan (10x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.360 mW/g

Rear/QPSK_RB#25,12_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 42.000 V/m; Power Drift = -0.0077 dB
Peak SAR (extrapolated) = 2.3890
SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.603 mW/g
Maximum value of SAR (measured) = 1.752 mW/g



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

Test Laboratory: Lab B Date: 9/17/2012

LTE Band 17

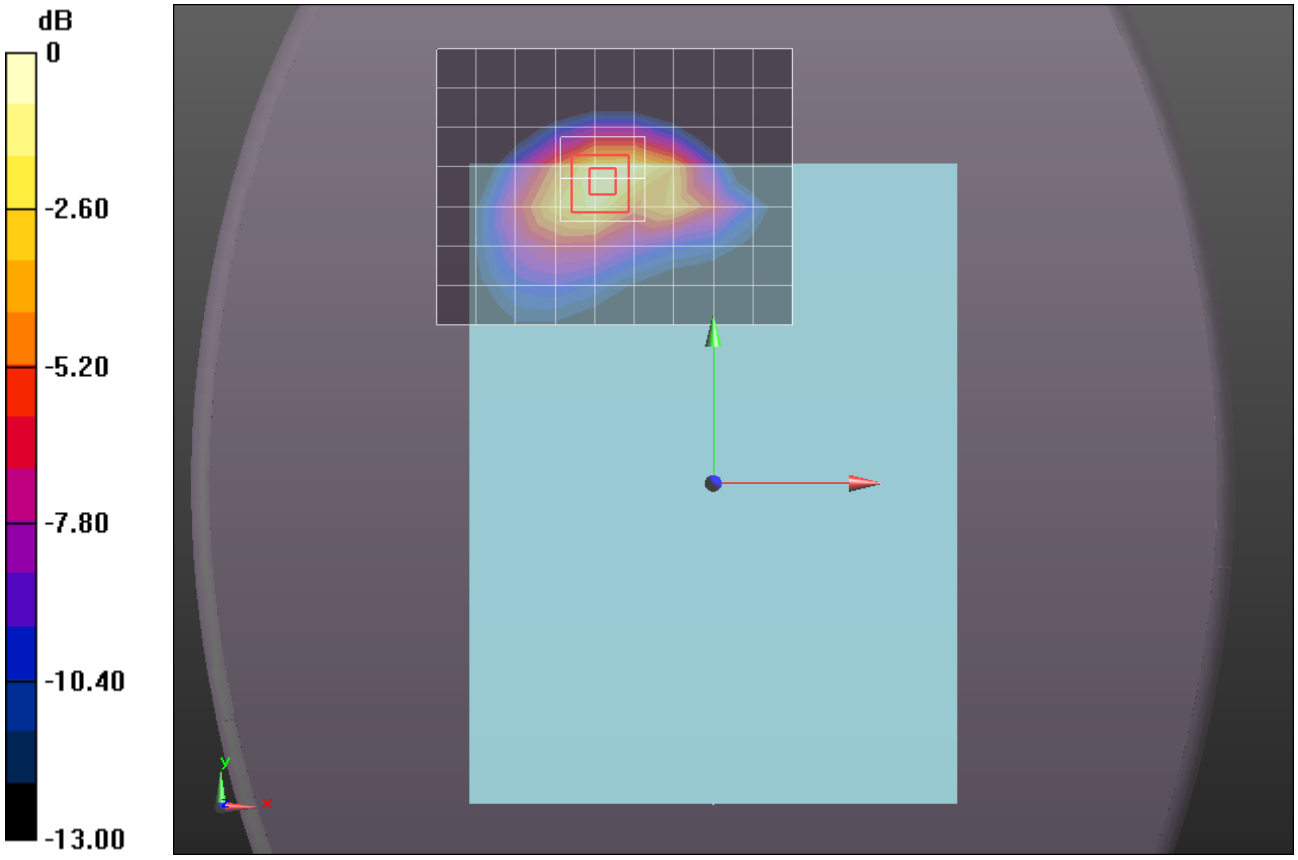
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.934 mho/m; ε_r = 53.676; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Rear/QPSK_RB#25, 24_Ch 23790/Area Scan (10x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.336 mW/g

Rear/QPSK_RB#25, 24_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 41.465 V/m; Power Drift = -0.0016 dB
Peak SAR (extrapolated) = 2.3350
SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.591 mW/g
Maximum value of SAR (measured) = 1.712 mW/g



0 dB = 1.710mW/g = 4.66 dB mW/g

Test Laboratory: Lab B Date: 9/17/2012

LTE Band 17

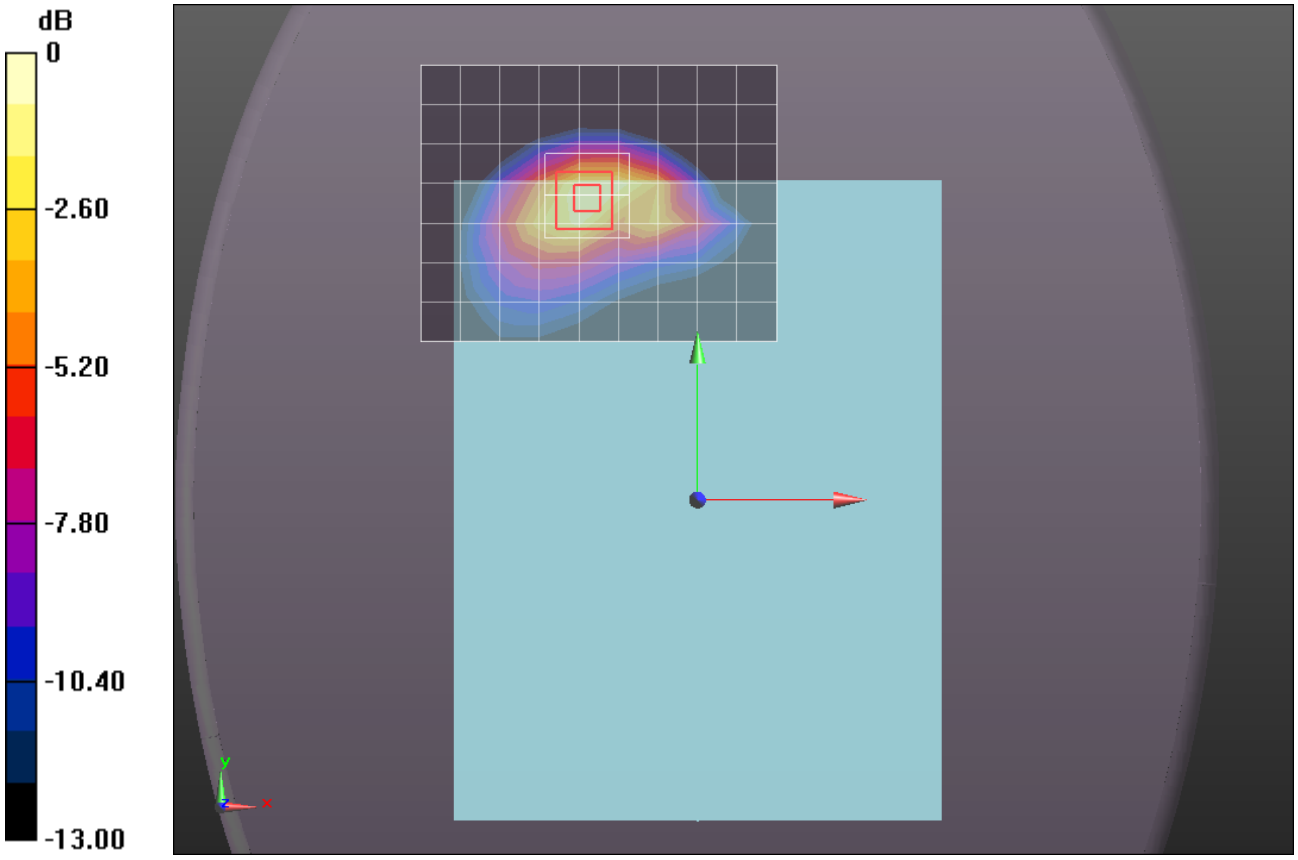
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.934 mho/m; ε_r = 53.676; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Rear/QPSK_RB#50, 0_Ch 23790/Area Scan (10x8x1): Measurement grid: dx=15mm, dy=15mm

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

Rear/QPSK_RB#50, 0_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 41.514 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 2.3480
SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.592 mW/g
Maximum value of SAR (measured) = 1.720 mW/g



0 dB = 1.720mW/g = 4.71 dB mW/g

Test Laboratory: Lab B Date: 9/18/2012

LTE Band 17

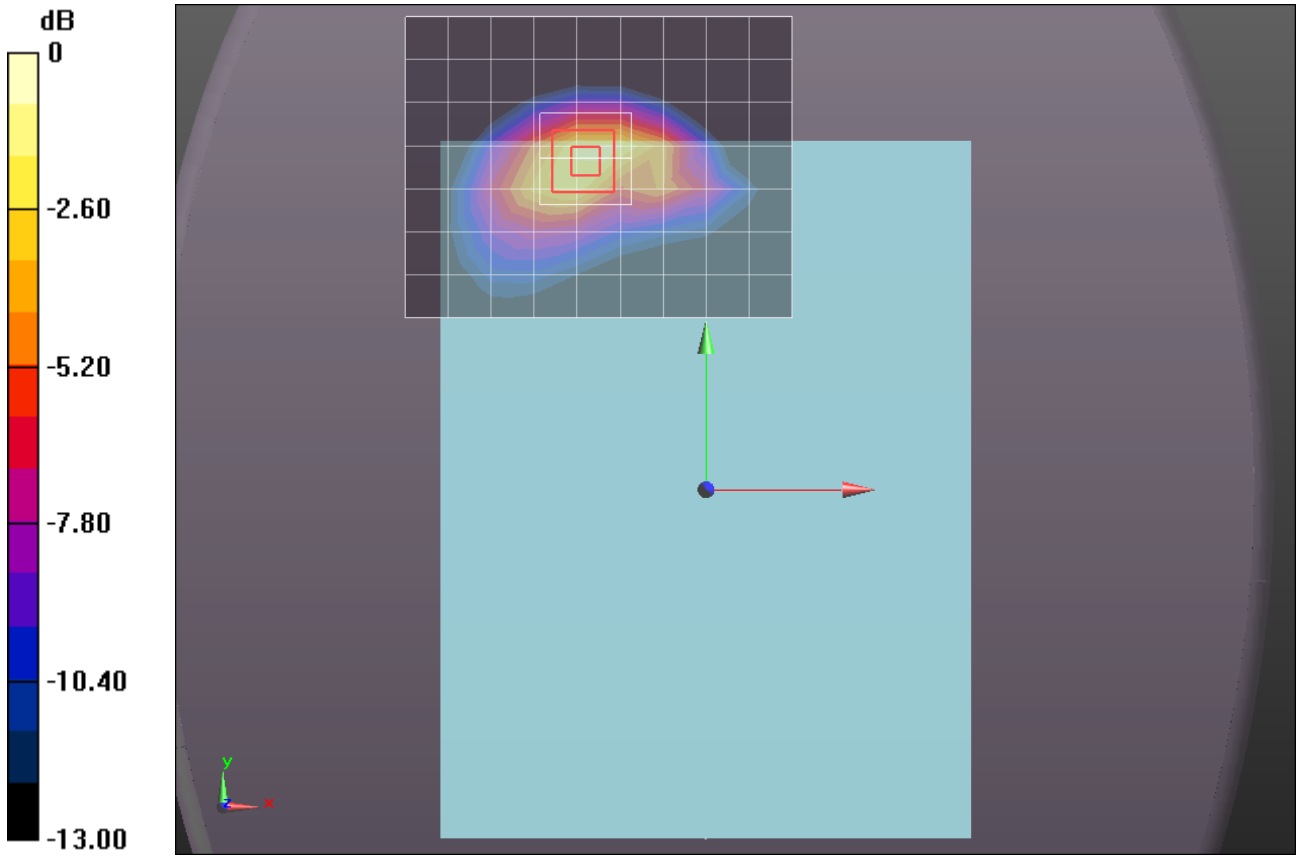
Frequency: 711 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 711 MHz; σ = 0.932 mho/m; ε_r = 53.515; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Rear/QPSK_RB#1,24_Ch 23800/Area Scan (10x8x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.235 mW/g

Rear/QPSK_RB#1,24_Ch 23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 42.131 V/m; Power Drift = 0.0043 dB
Peak SAR (extrapolated) = 2.4210
SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.604 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.771 mW/g



0 dB = 1.770mW/g = 4.96 dB mW/g

Test Laboratory: Lab B Date: 9/18/2012

LTE Band 17

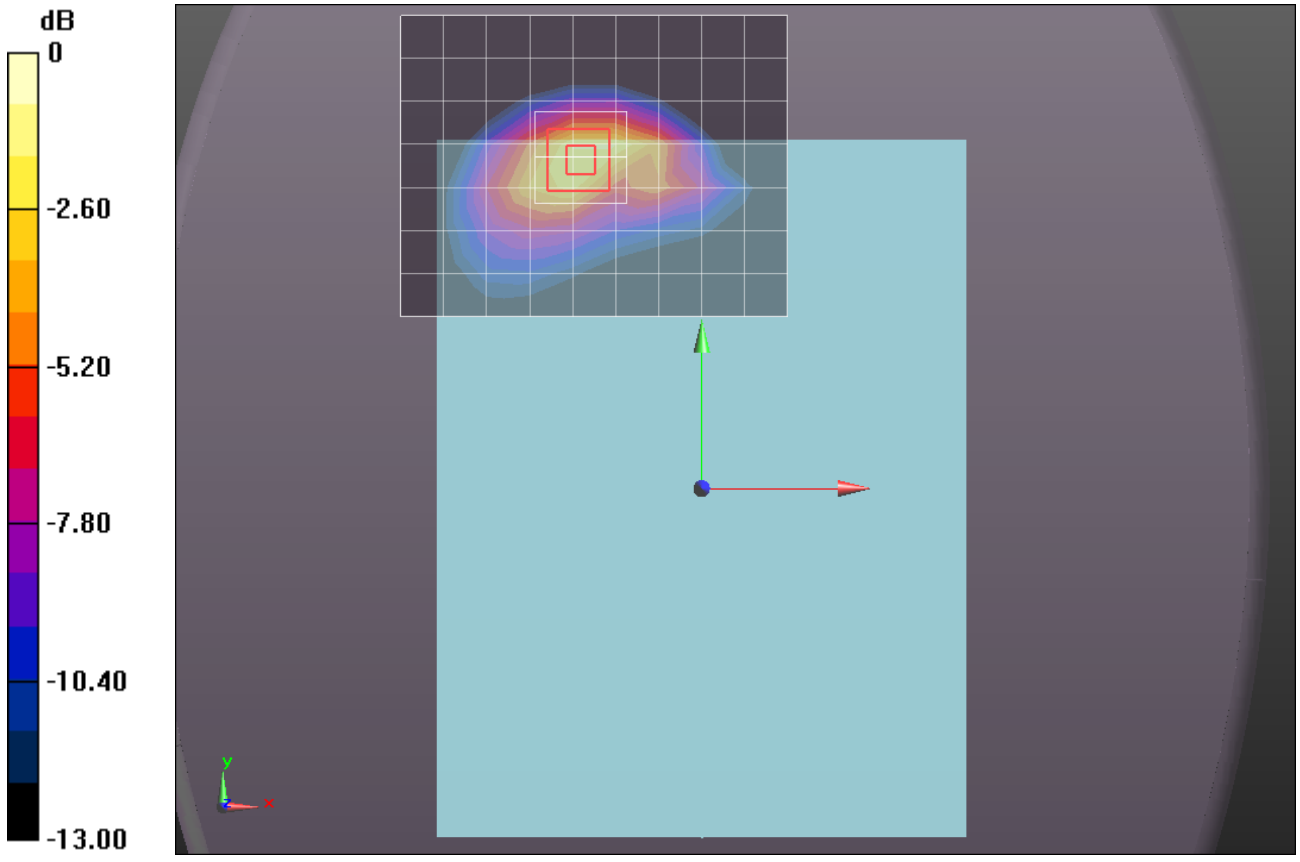
Frequency: 711 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 711 MHz; σ = 0.932 mho/m; ε_r = 53.515; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Rear/QPSK_RB#25,12_Ch 23800/Area Scan (10x8x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.252 mW/g

Rear/QPSK_RB#25,12_Ch 23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 43.042 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 2.5160
SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.620 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.842 mW/g



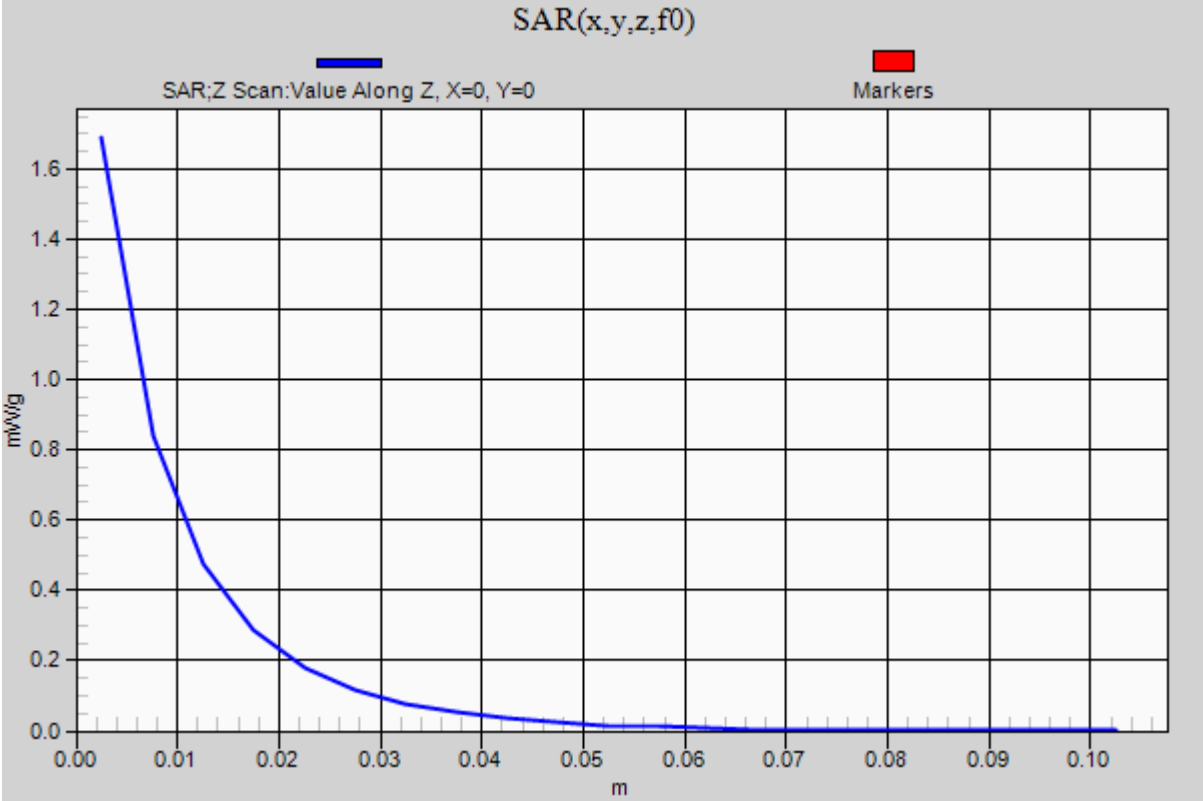
0 dB = 1.840mW/g = 5.30 dB mW/g

Test Laboratory: Lab B Date: 9/18/2012

LTE Band 17

Frequency: 711 MHz; Duty Cycle: 1:1

Rear/QPSK_RB#25,12_Ch 23800/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.689 mW/g



Test Laboratory: Lab B Date: 9/18/2012

LTE Band 17

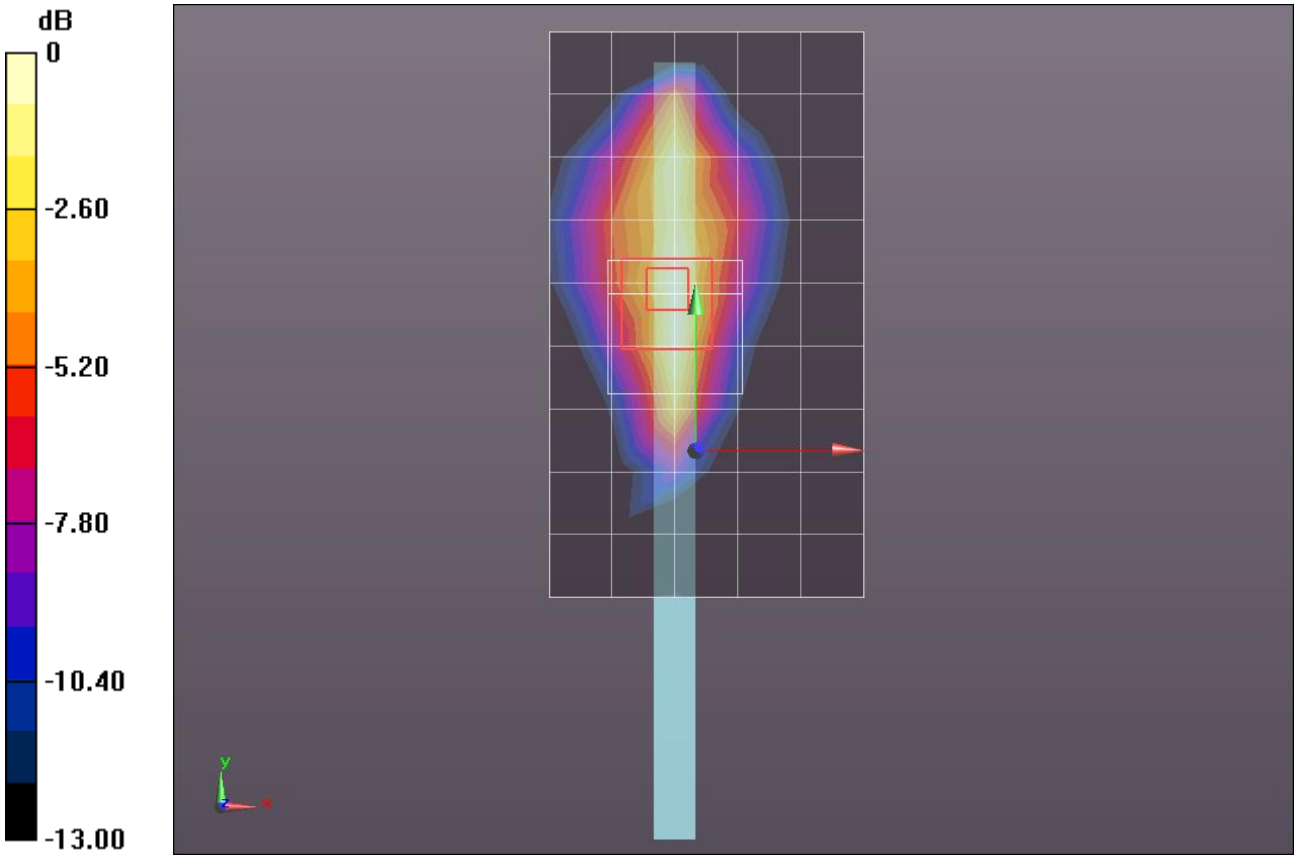
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.931 mho/m; ε_r = 53.527; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Edge 1/QPSK_RB#1,0_Ch 23790/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.025 mW/g

Edge 1/QPSK_RB#1,0_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.430 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.3770
SAR(1 g) = 0.657 mW/g; SAR(10 g) = 0.341 mW/g
Maximum value of SAR (measured) = 1.027 mW/g



0 dB = 1.030mW/g = 0.26 dB mW/g

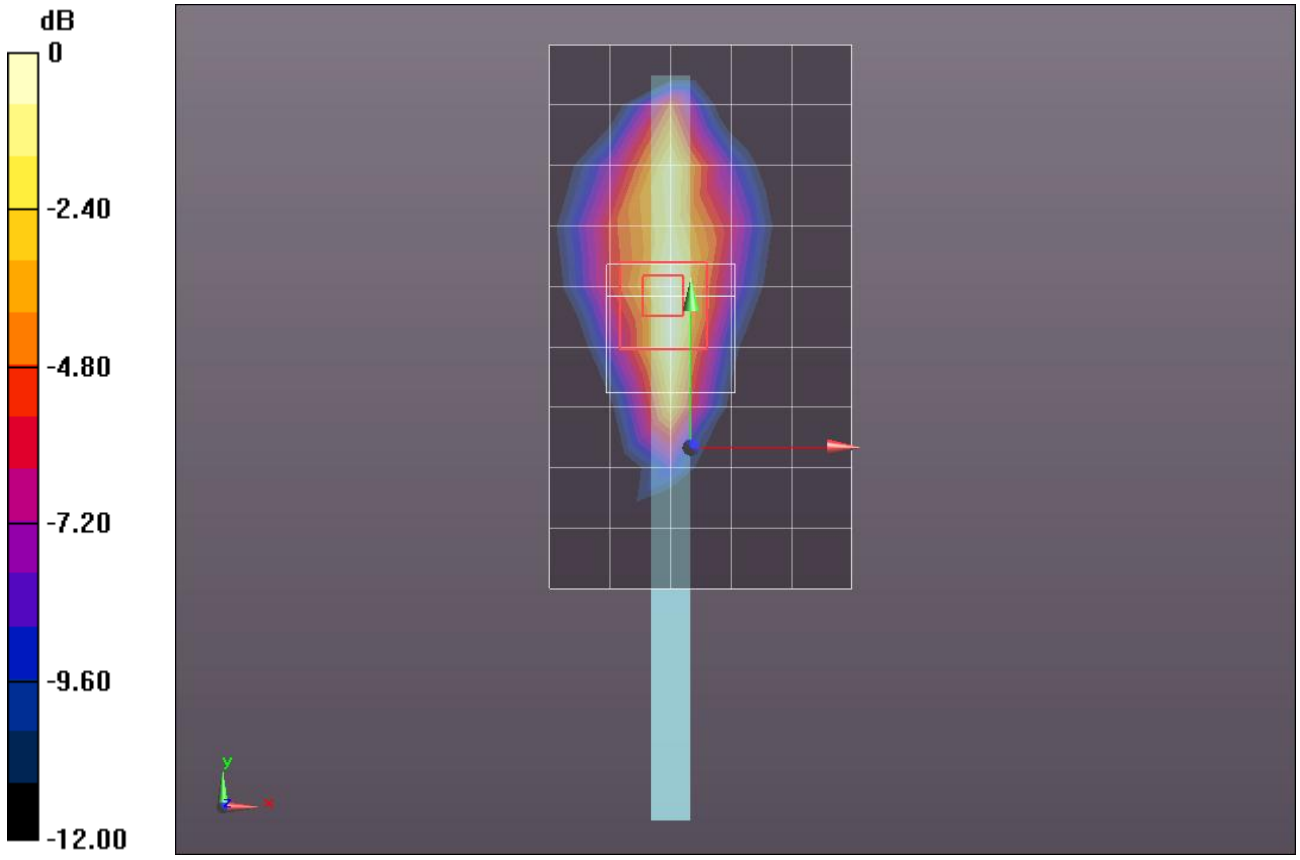
Test Laboratory: Lab B Date: 9/18/2012

LTE Band 17

Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.931 mho/m; ε_r = 53.527; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Edge 1/QPSK_RB#1,24_Ch 23790/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.097 mW/g

Edge 1/QPSK_RB#1,24_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32.776 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.4920
SAR(1 g) = 0.718 mW/g; SAR(10 g) = 0.374 mW/g
Maximum value of SAR (measured) = 1.122 mW/g



0 dB = 1.120mW/g = 0.98 dB mW/g

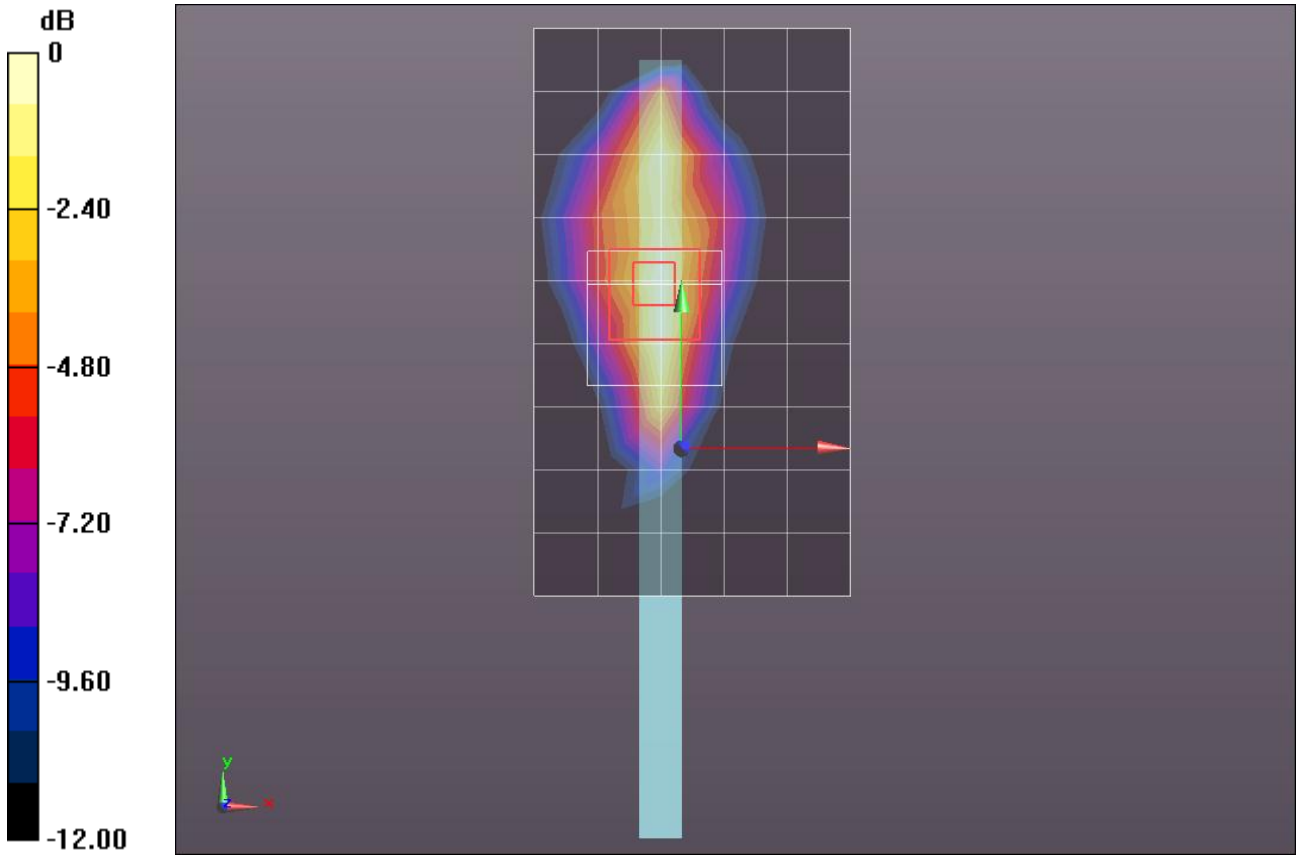
Test Laboratory: Lab B Date: 9/18/2012

LTE Band 17

Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.931 mho/m; ε_r = 53.527; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Edge 1/QPSK_RB#1,49_Ch 23790/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.082 mW/g

Edge 1/QPSK_RB#1,49_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32.189 V/m; Power Drift = -0.0096 dB
Peak SAR (extrapolated) = 1.3790
SAR(1 g) = 0.698 mW/g; SAR(10 g) = 0.374 mW/g
Maximum value of SAR (measured) = 1.077 mW/g



0 dB = 1.080mW/g = 0.67 dB mW/g

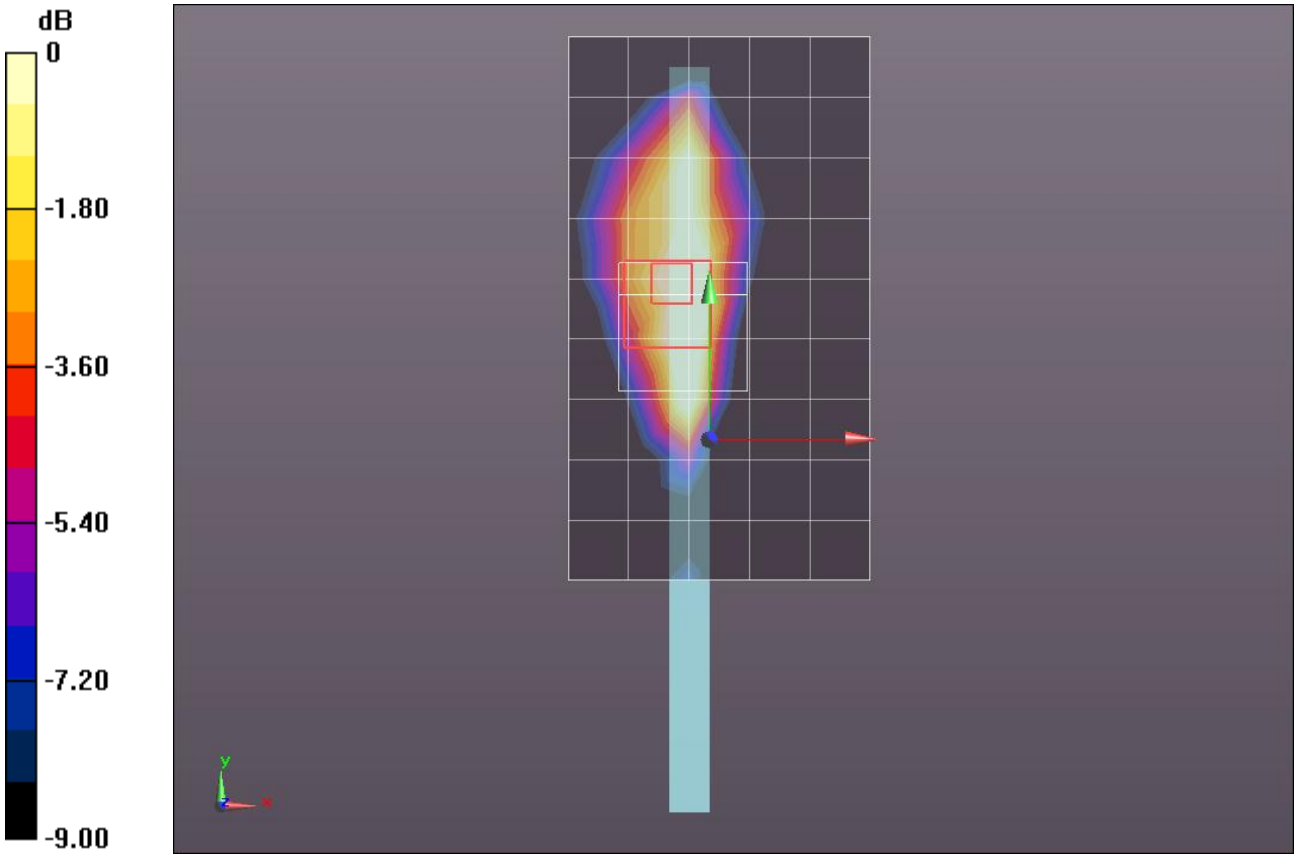
Test Laboratory: Lab B Date: 10/4/2012

LTE Band 17

Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.93 mho/m; ε_r = 54.351; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Edge 1/QPSK_RB#25,0_Ch 23790/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.888 mW/g

Edge 1/QPSK_RB#25,0_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 31.135 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.4620
SAR(1 g) = 0.694 mW/g; SAR(10 g) = 0.353 mW/g
Maximum value of SAR (measured) = 1.014 mW/g



0 dB = 1.010mW/g = 0.09 dB mW/g

Test Laboratory: Lab B Date: 10/4/2012

LTE Band 17

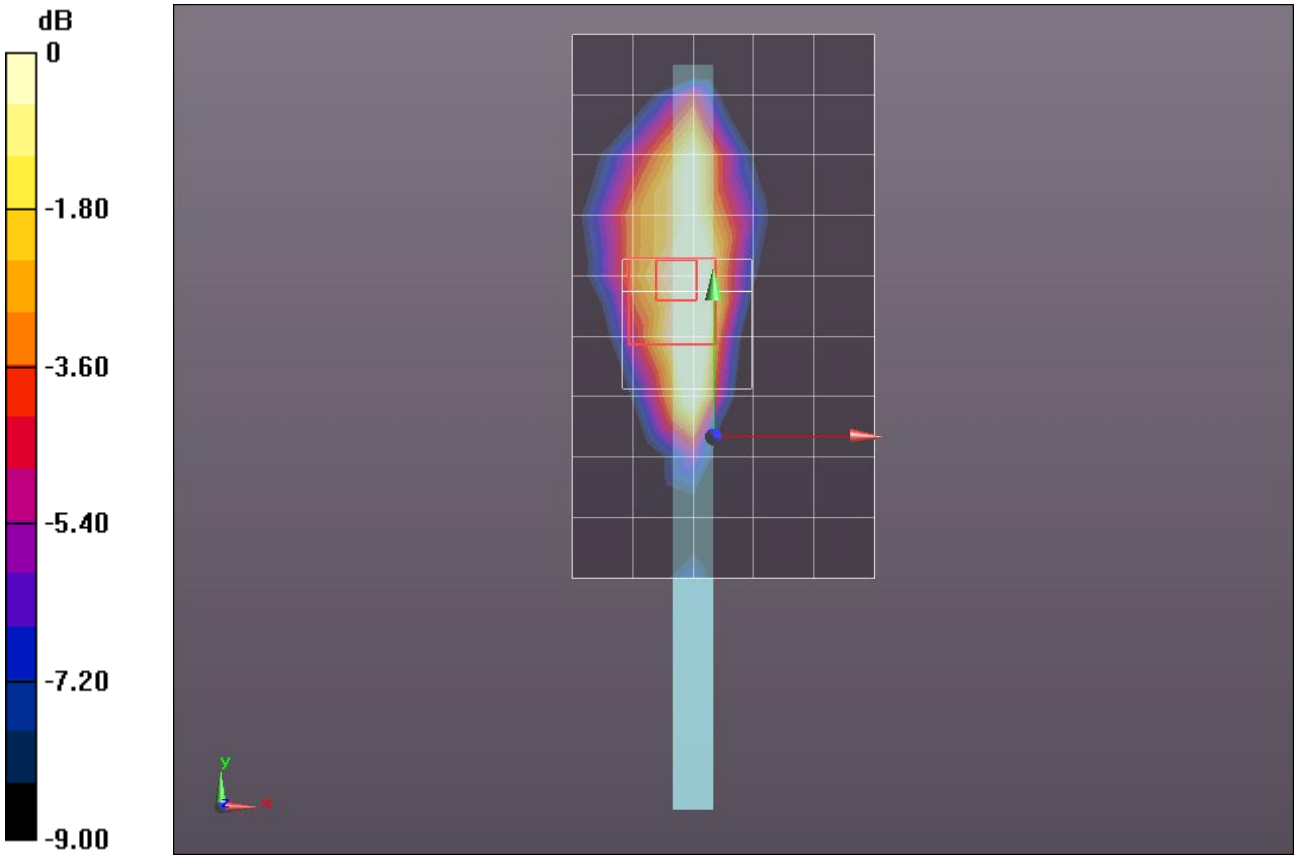
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.93 mho/m; ε_r = 54.351; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Edge 1/QPSK_RB#25,12_Ch 23790/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.966 mW/g

Edge 1/QPSK_RB#25,12_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.903 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.5020
SAR(1 g) = 0.731 mW/g; SAR(10 g) = 0.372 mW/g
Maximum value of SAR (measured) = 1.066 mW/g



0 dB = 1.070mW/g = 0.59 dB mW/g

Test Laboratory: Lab B Date: 10/4/2012

LTE Band 17

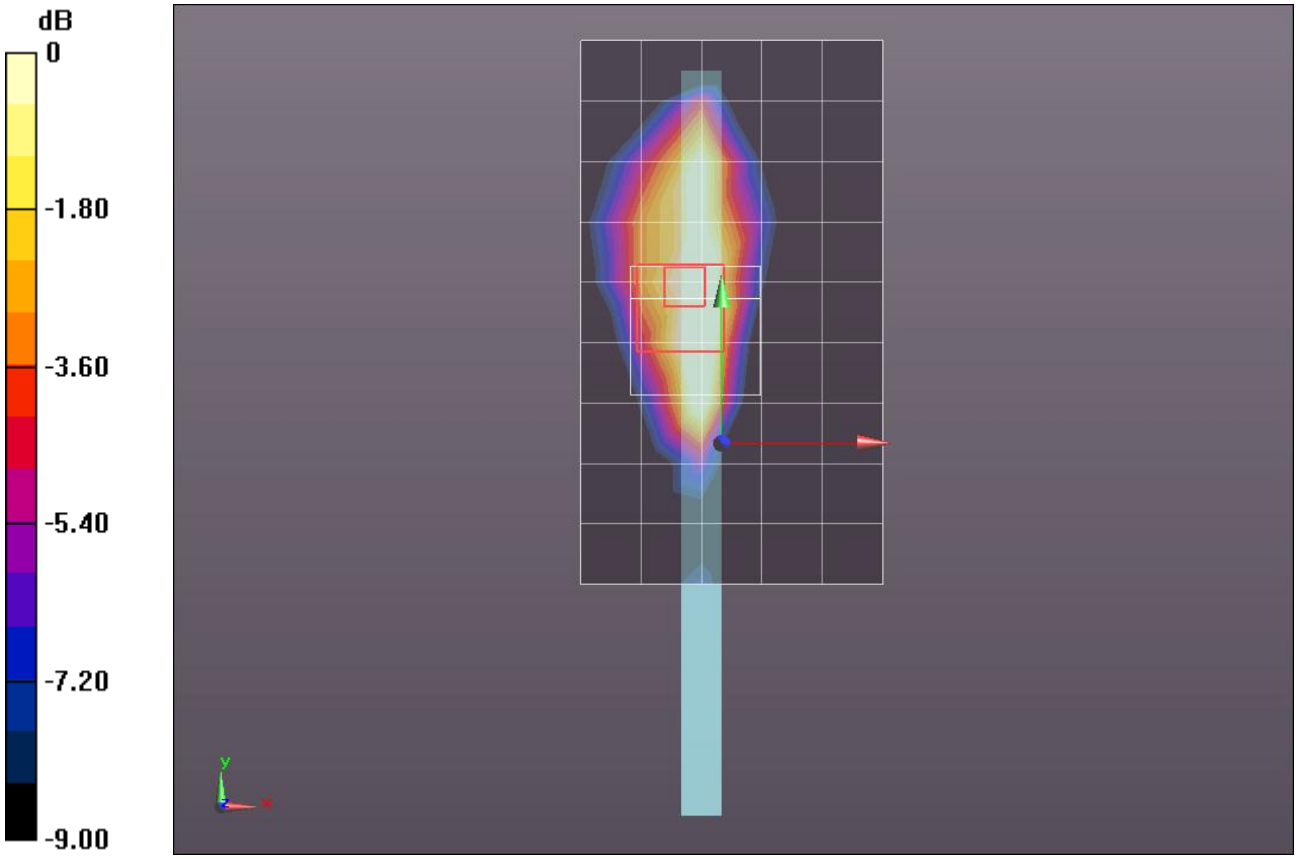
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.93 mho/m; ε_r = 54.351; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Edge 1/QPSK_RB#25,24_Ch 23790/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.905 mW/g

Edge 1/QPSK_RB#25,24_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.558 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.4530
SAR(1 g) = 0.720 mW/g; SAR(10 g) = 0.367 mW/g
Maximum value of SAR (measured) = 1.035 mW/g



0 dB = 1.040mW/g = 0.34 dB mW/g

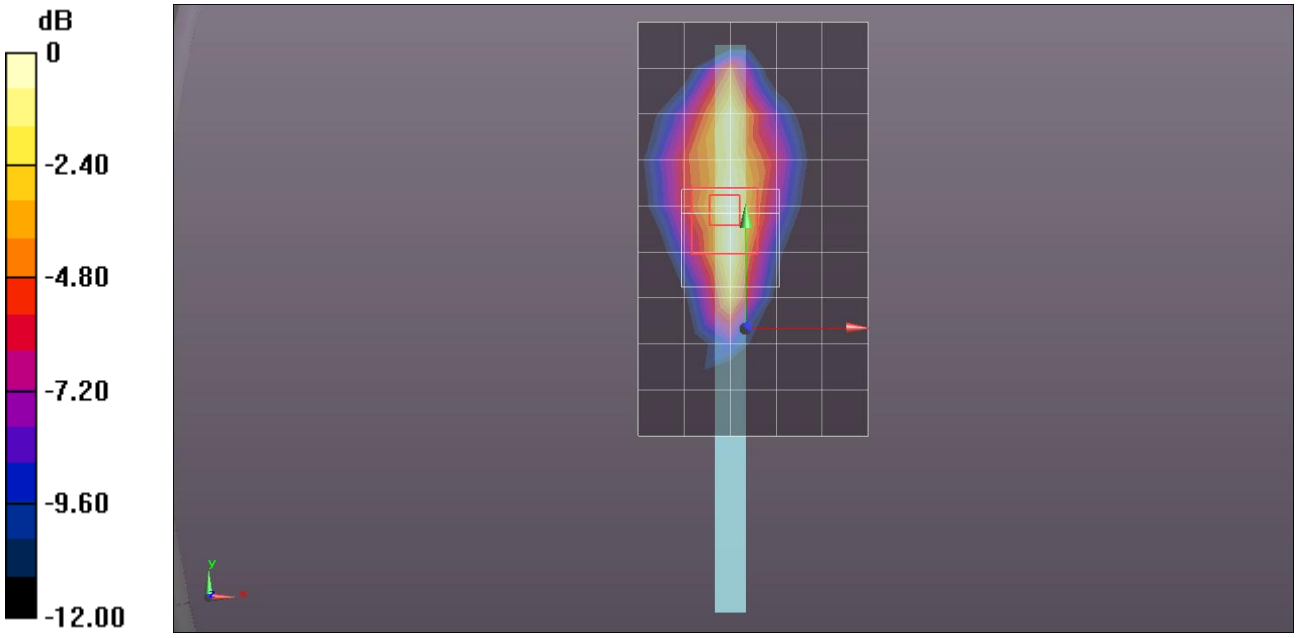
Test Laboratory: Lab B Date: 9/18/2012

LTE Band 17

Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.931 mho/m; ε_r = 53.527; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Edge 1/QPSK_RB#50,0_Ch 23790/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.16 W/kg

Edge 1/QPSK_RB#50,0_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.552 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.558 mW/g
SAR(1 g) = 0.750 mW/g; SAR(10 g) = 0.390 mW/g
Maximum value of SAR (measured) = 1.17 W/kg



0 dB = 1.17 W/kg = 1.36 dB W/kg

Test Laboratory: Lab B Date: 9/18/2012

LTE Band 17

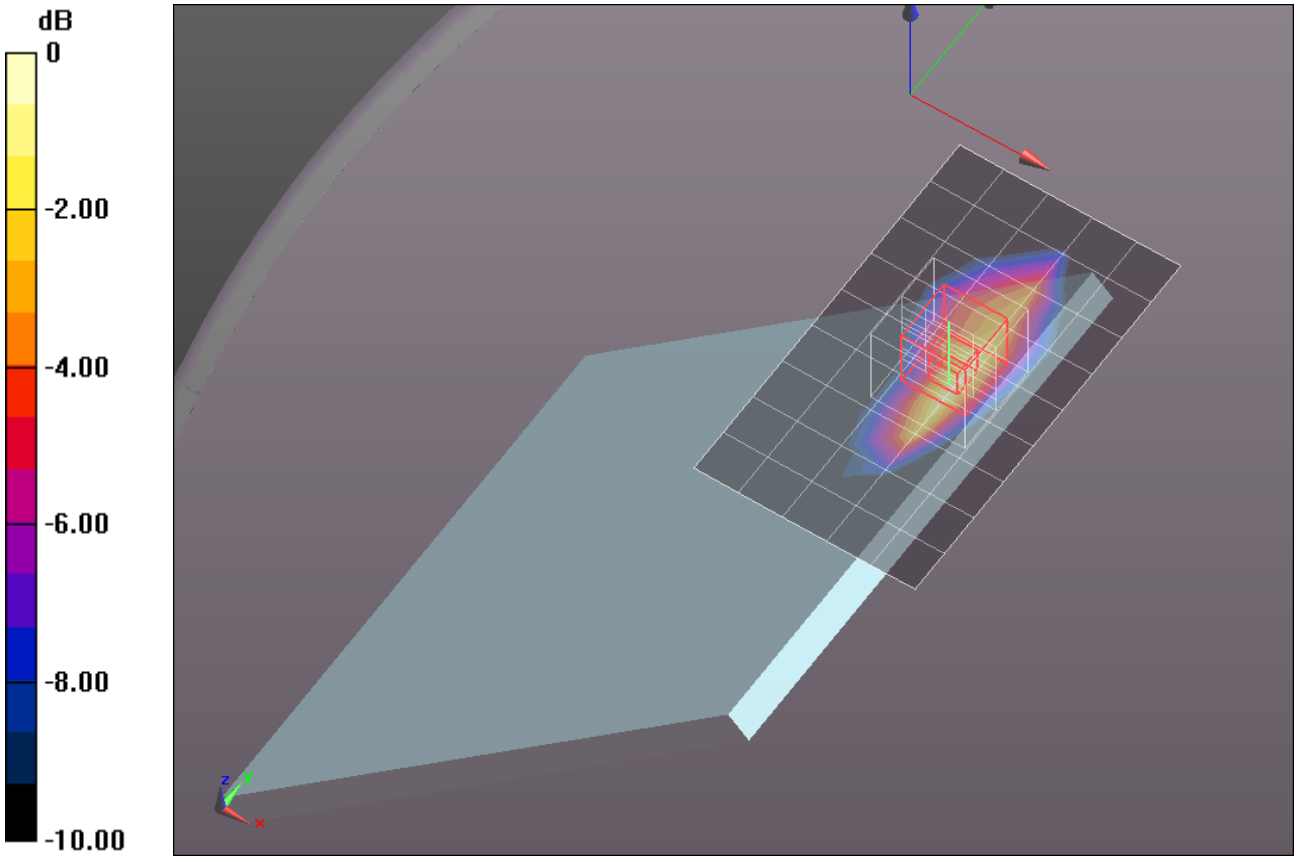
Frequency: 709 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 709 MHz; σ = 0.93 mho/m; ε_r = 53.539; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

41 deg Tilt @ Edge 1/QPSK_RB#1,24_Ch 23780/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.331 mW/g

41 deg Tilt @ Edge 1/QPSK_RB#1,24_Ch 23780/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 39.014 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 2.1860
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.509 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.533 mW/g



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

Test Laboratory: Lab B Date: 9/18/2012

LTE Band 17

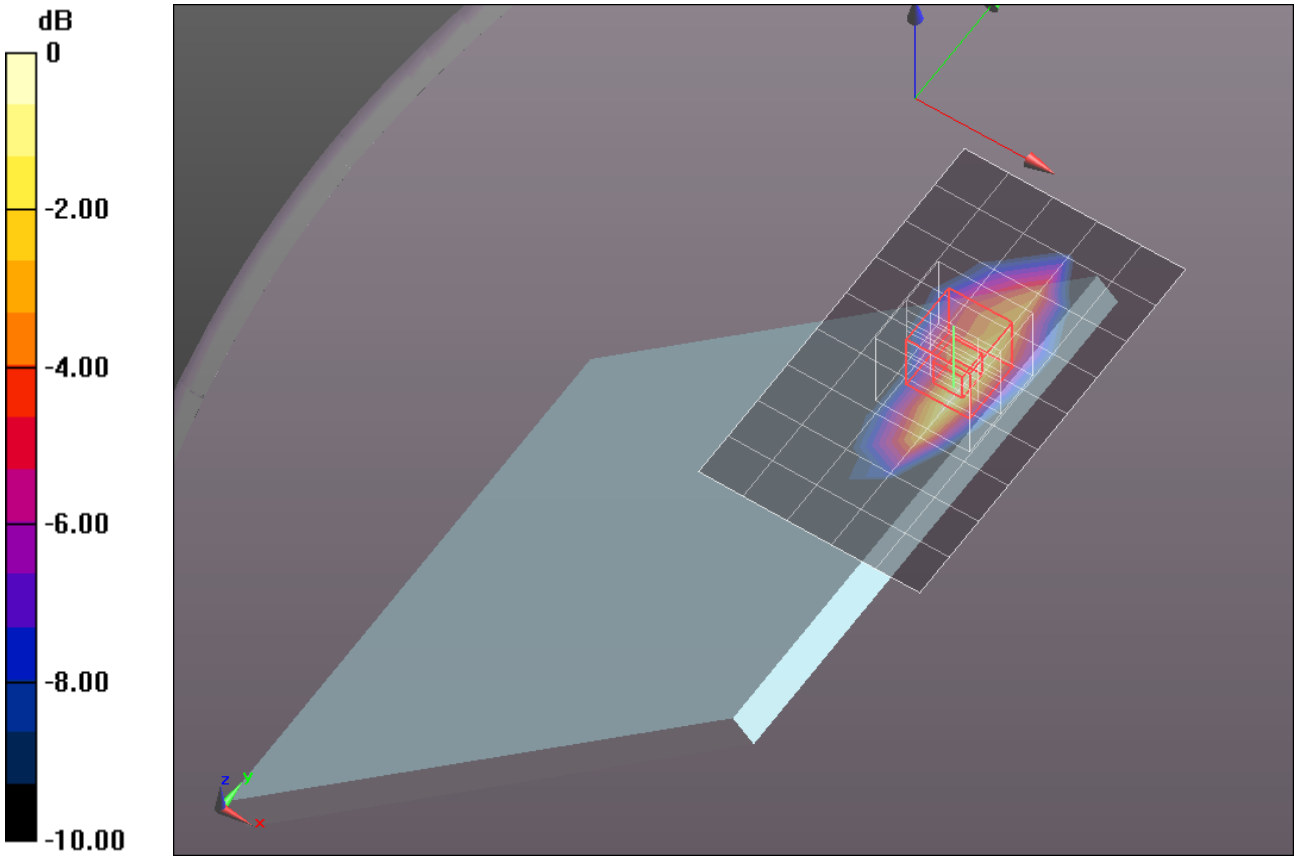
Frequency: 709 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 709 MHz; σ = 0.93 mho/m; ε_r = 53.539; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

41 deg Tilt @ Edge 1/QPSK_RB#25,12_Ch 23780/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.406 mW/g

41 deg Tilt @ Edge 1/QPSK_RB#25,12_Ch 23780/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 40.140 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 2.3230
SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.531 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.623 mW/g



0 dB = 1.620mW/g = 4.19 dB mW/g

Test Laboratory: Lab B Date: 9/18/2012

LTE Band 17

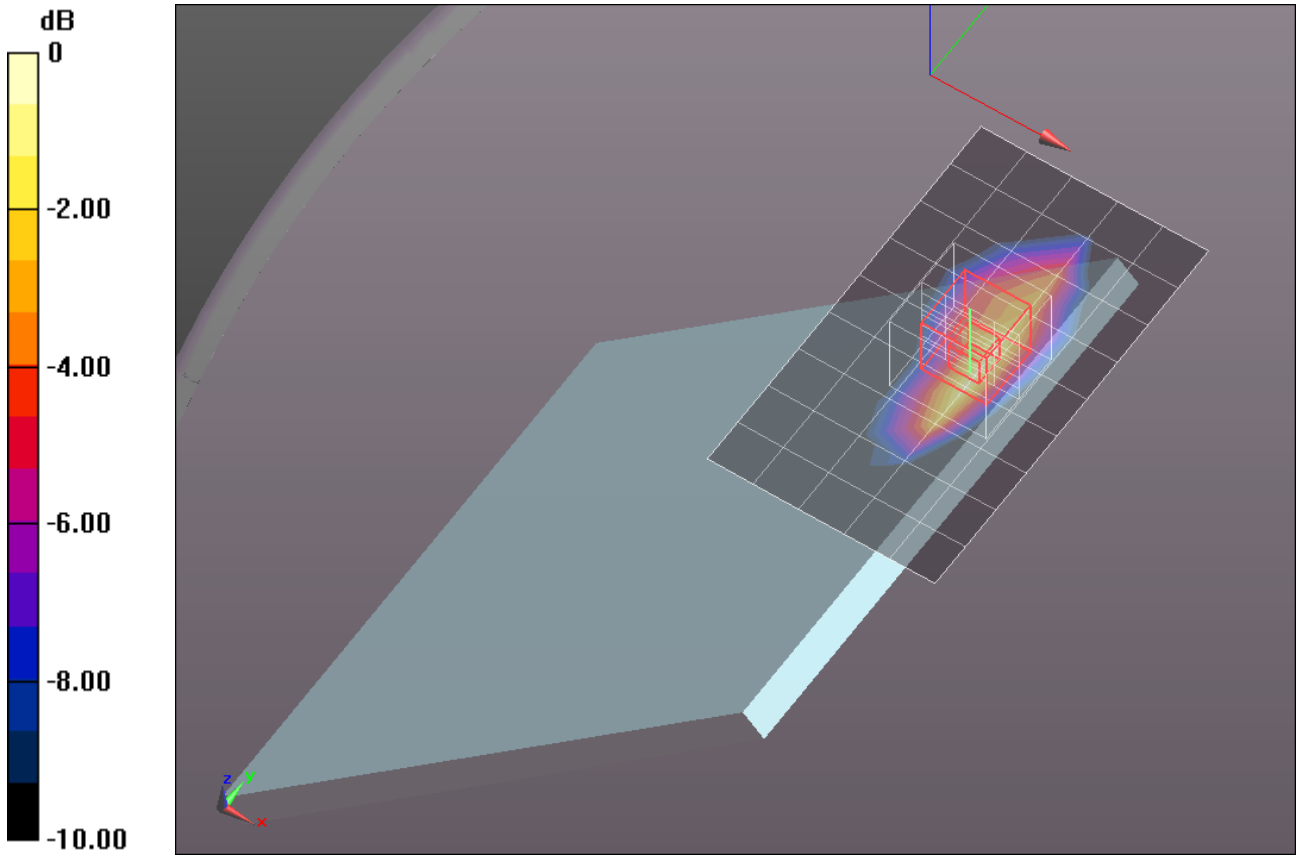
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.931 mho/m; ε_r = 53.527; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

41 deg Tilt @ Edge 1/QPSK_RB#1,0_Ch 23790/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.273 mW/g

41 deg Tilt @ Edge 1/QPSK_RB#1,0_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 38.863 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 2.1690
SAR(1 g) = 1 mW/g; SAR(10 g) = 0.500 mW/g
Maximum value of SAR (measured) = 1.523 mW/g



0 dB = 1.520mW/g = 3.64 dB mW/g

Test Laboratory: Lab B Date: 9/18/2012

LTE Band 17

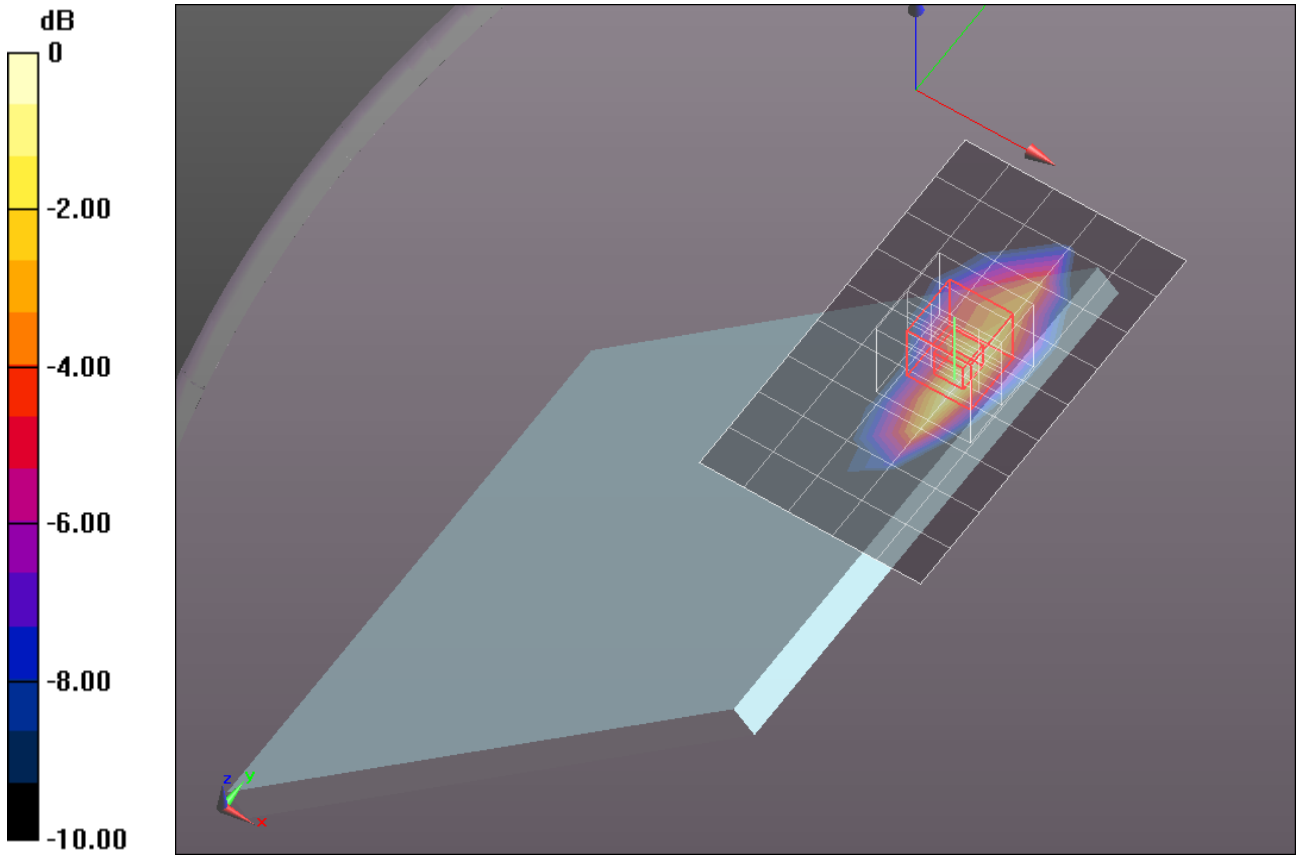
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.931 mho/m; ε_r = 53.527; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

41 deg Tilt @ Edge 1/QPSK_RB#1,24_Ch 23790/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.249 mW/g

41 deg Tilt @ Edge 1/QPSK_RB#1,24_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 37.792 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 2.0400
SAR(1 g) = 0.950 mW/g; SAR(10 g) = 0.477 mW/g
Maximum value of SAR (measured) = 1.433 mW/g



0 dB = 1.430mW/g = 3.11 dB mW/g

Test Laboratory: Lab B Date: 9/18/2012

LTE Band 17

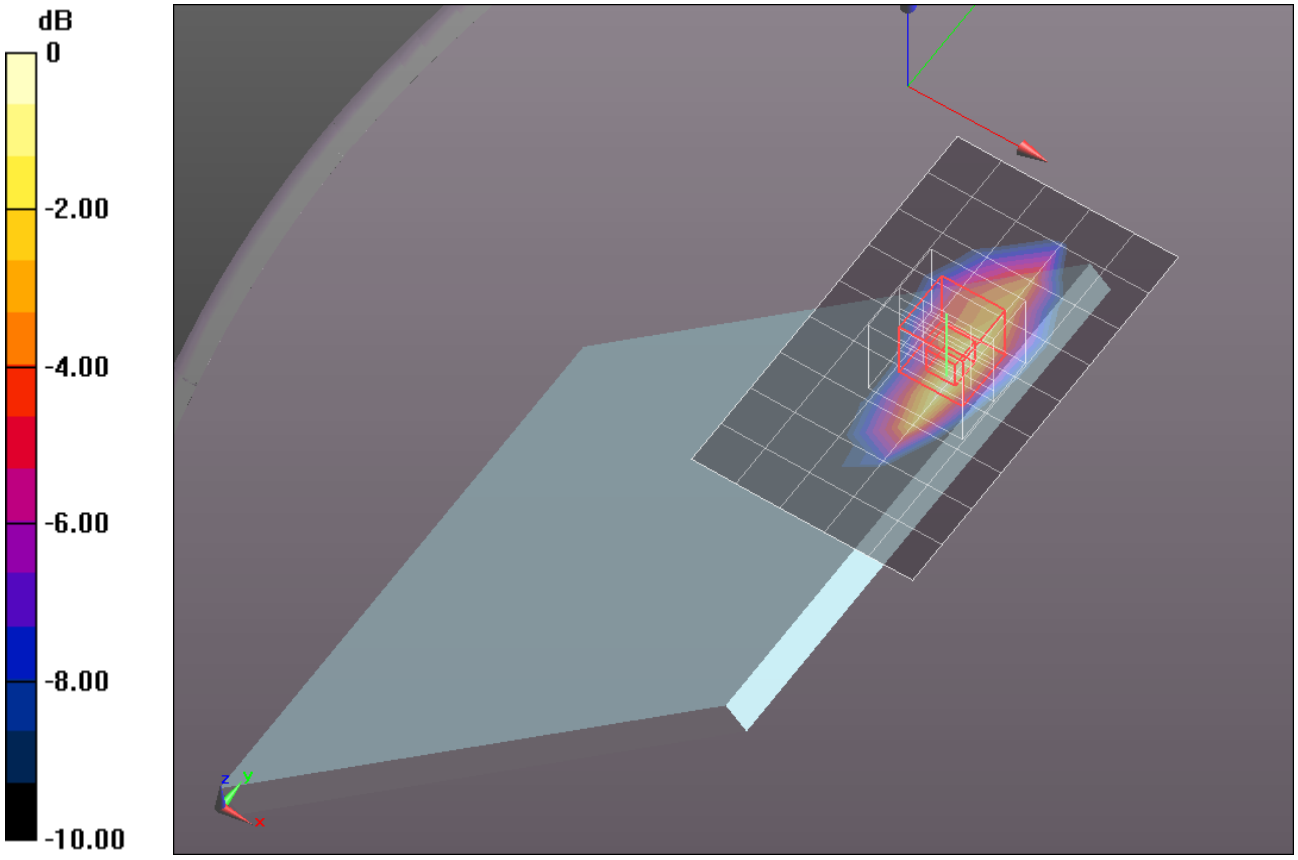
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.931 mho/m; ε_r = 53.527; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

41 deg Tilt @ Edge 1/QPSK_RB#1,49_Ch 23790/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.154 mW/g

41 deg Tilt @ Edge 1/QPSK_RB#1,49_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 36.412 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.9060
SAR(1 g) = 0.890 mW/g; SAR(10 g) = 0.448 mW/g
Maximum value of SAR (measured) = 1.341 mW/g



0 dB = 1.340mW/g = 2.54 dB mW/g

Test Laboratory: Lab B Date: 9/18/2012

LTE Band 17

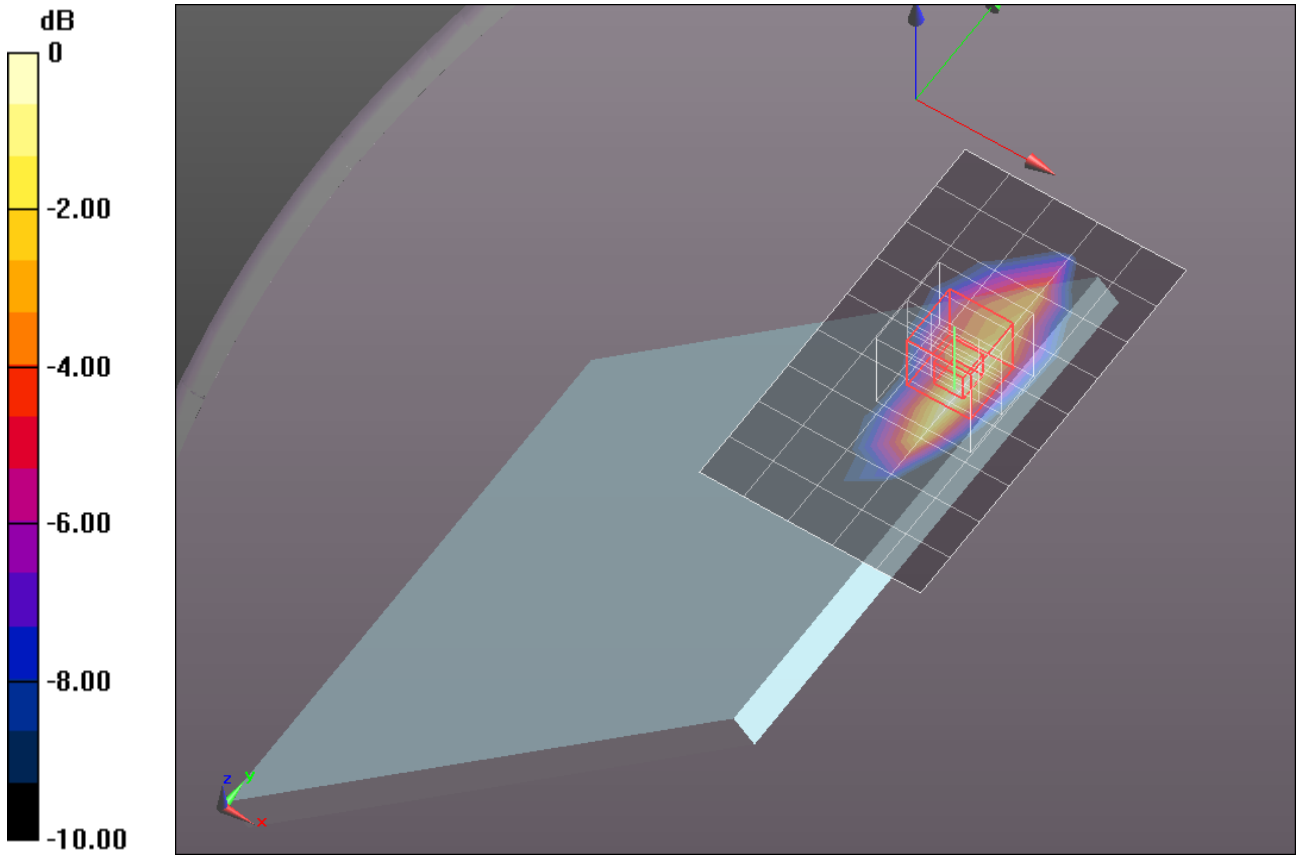
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.931 mho/m; ε_r = 53.527; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

41 deg Tilt @ Edge 1/QPSK_RB#25,0_Ch 23790/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.542 mW/g

41 deg Tilt @ Edge 1/QPSK_RB#25,0_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 39.999 V/m; Power Drift = 0.0011 dB
Peak SAR (extrapolated) = 2.3070
SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.528 mW/g
Maximum value of SAR (measured) = 1.602 mW/g



0 dB = 1.600mW/g = 4.08 dB mW/g

Test Laboratory: Lab B Date: 9/18/2012

LTE Band 17

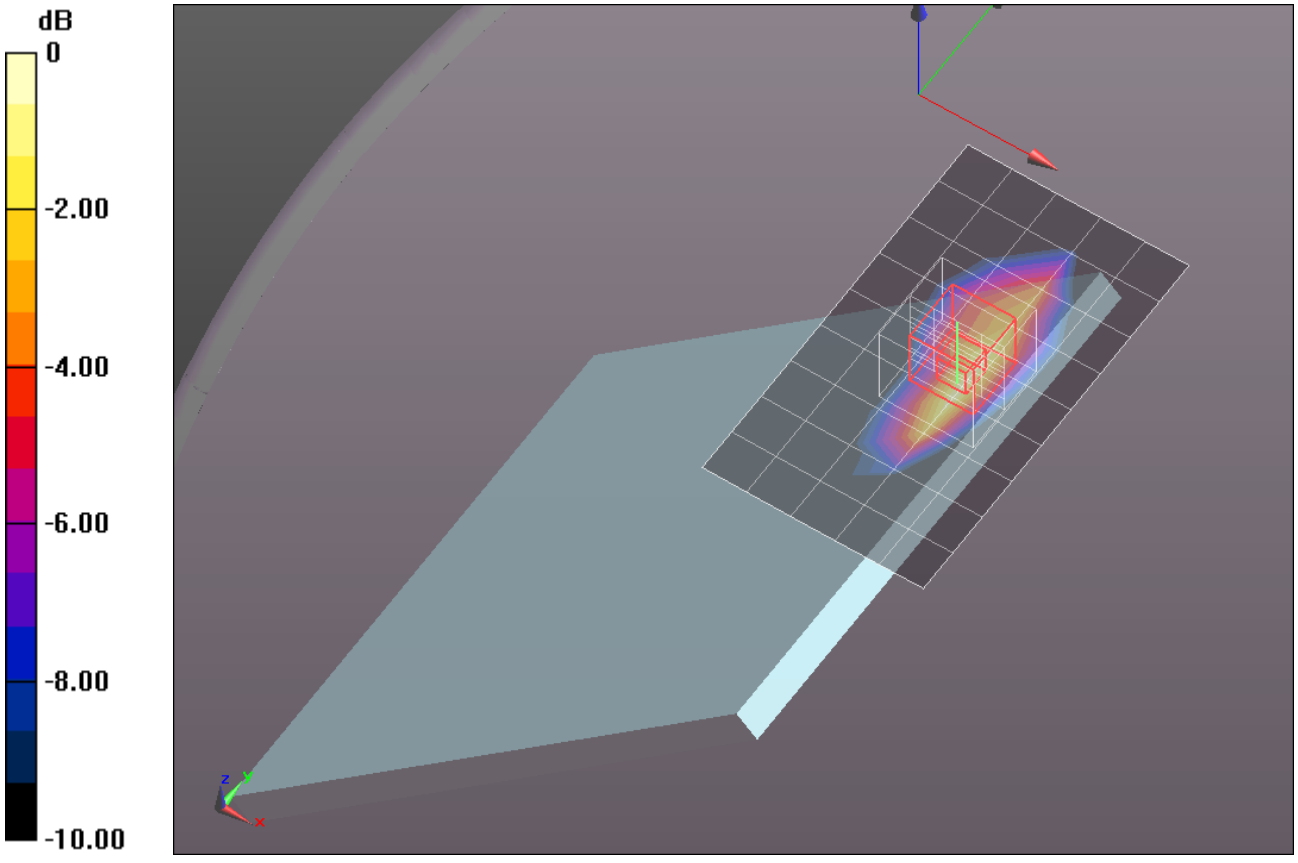
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.931 mho/m; ε_r = 53.527; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

41 deg Tilt @ Edge 1/QPSK_RB#25,12_Ch 23790/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.355 mW/g

41 deg Tilt @ Edge 1/QPSK_RB#25,12_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 39.370 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 2.2310
SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.512 mW/g
Maximum value of SAR (measured) = 1.565 mW/g



0 dB = 1.560mW/g = 3.86 dB mW/g

Test Laboratory: Lab B Date: 9/18/2012

LTE Band 17

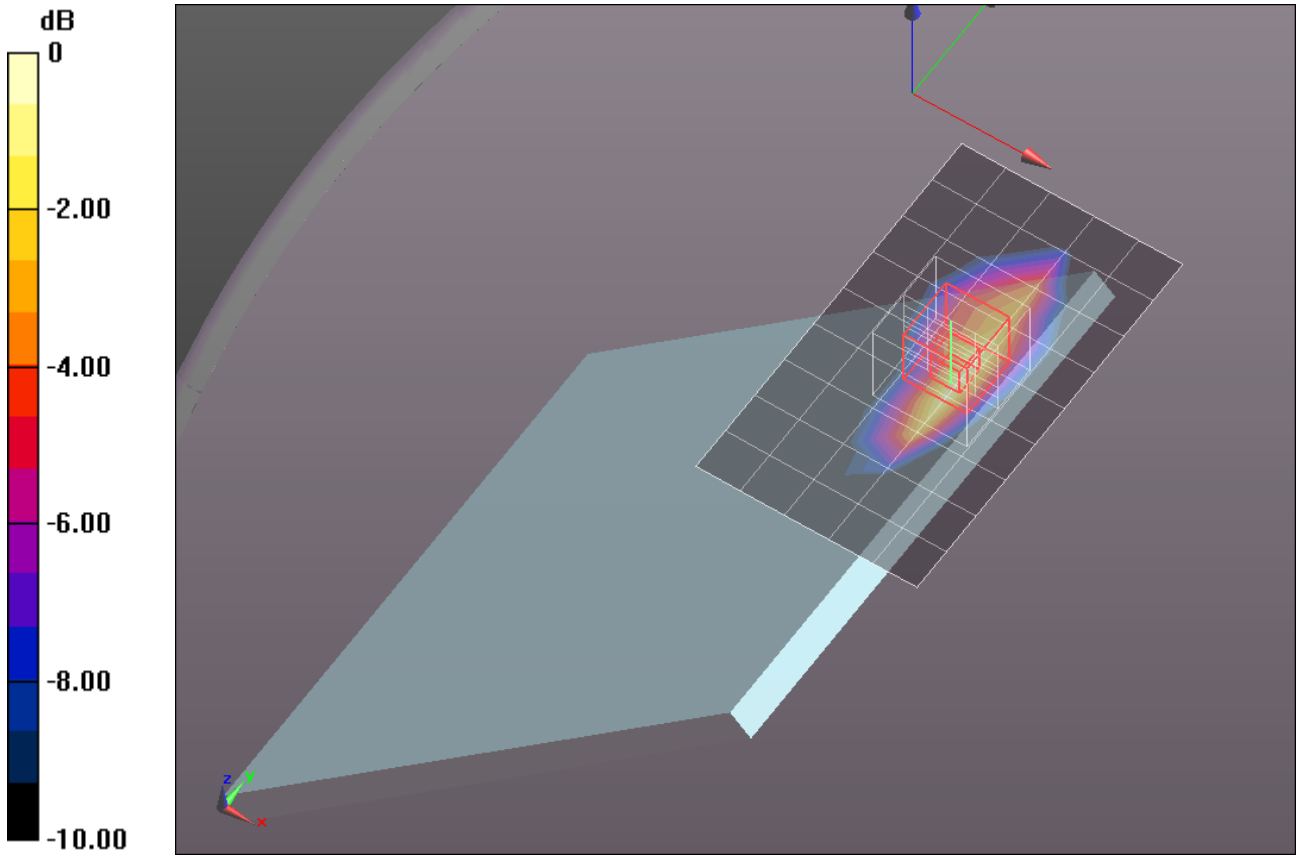
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.931 mho/m; ε_r = 53.527; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

41 deg Tilt @ Edge 1/QPSK_RB#25,24_Ch 23790/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.253 mW/g

41 deg Tilt @ Edge 1/QPSK_RB#25,24_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 37.765 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 2.0670
SAR(1 g) = 0.951 mW/g; SAR(10 g) = 0.476 mW/g
Maximum value of SAR (measured) = 1.449 mW/g



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

Test Laboratory: Lab B Date: 9/18/2012

LTE Band 17

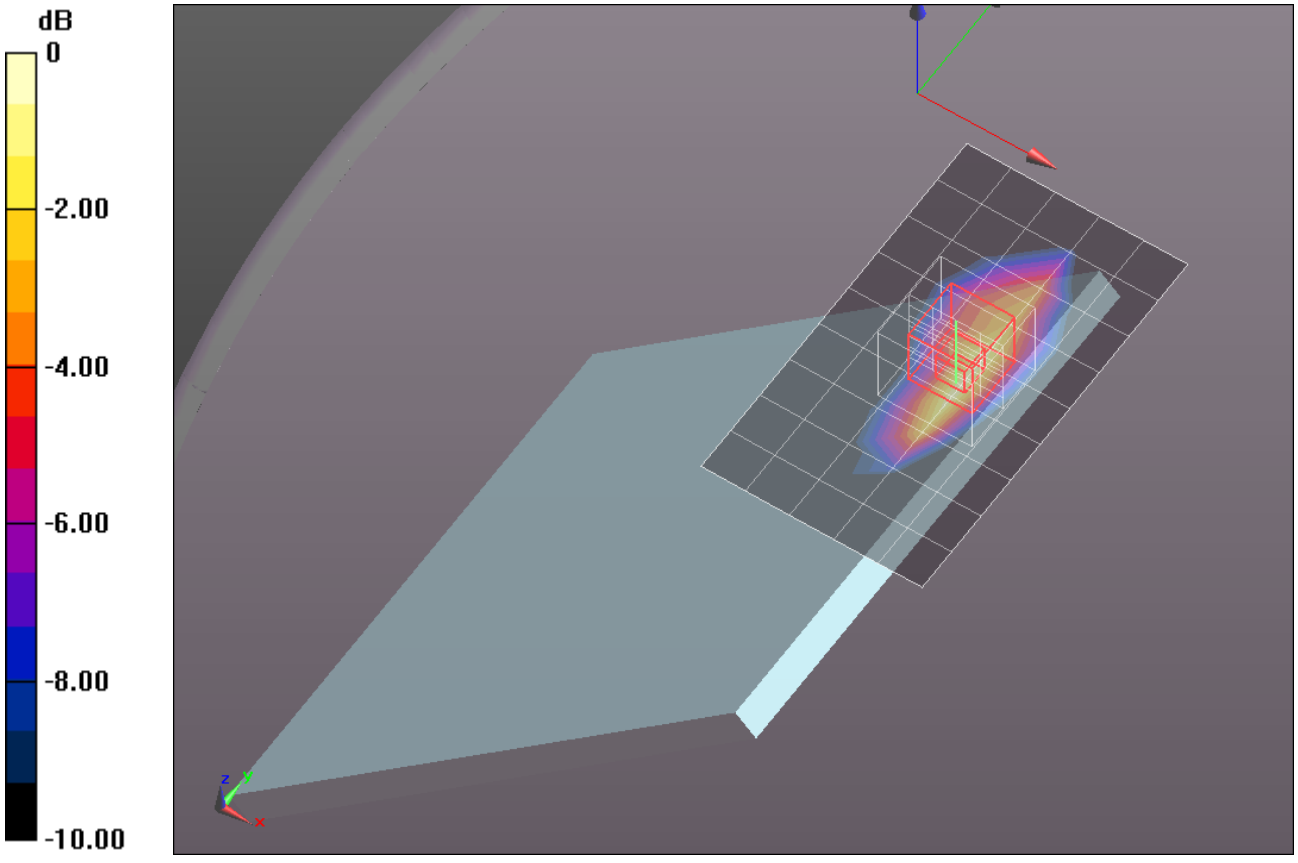
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.931 mho/m; ε_r = 53.527; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

41 deg Tilt @ Edge 1/QPSK_RB#50,0_Ch 23790/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.340 mW/g

41 deg Tilt @ Edge 1/QPSK_RB#50,0_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 39.084 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 2.1960
SAR(1 g) = 1 mW/g; SAR(10 g) = 0.502 mW/g
Maximum value of SAR (measured) = 1.539 mW/g



0 dB = 1.540mW/g = 3.75 dB mW/g

Test Laboratory: Lab B Date: 9/18/2012

LTE Band 17

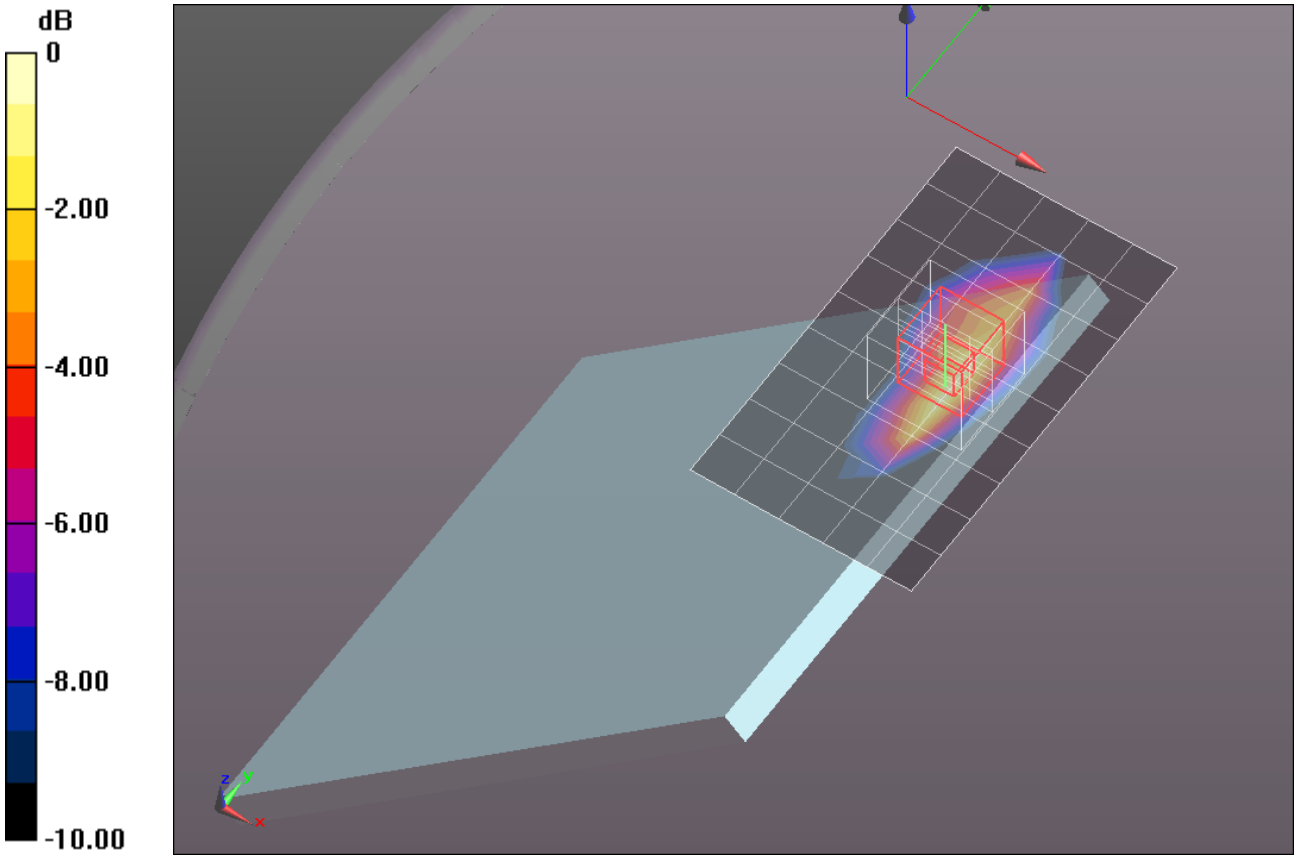
Frequency: 711 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 711 MHz; σ = 0.932 mho/m; ε_r = 53.515; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

41 deg Tilt @ Edge 1/QPSK_RB#1,24_Ch 23800/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.217 mW/g

41 deg Tilt @ Edge 1/QPSK_RB#1,24_Ch 23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 37.402 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.9930
SAR(1 g) = 0.929 mW/g; SAR(10 g) = 0.467 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.403 mW/g



0 dB = 1.400mW/g = 2.92 dB mW/g

Test Laboratory: Lab B Date: 9/18/2012

LTE Band 17

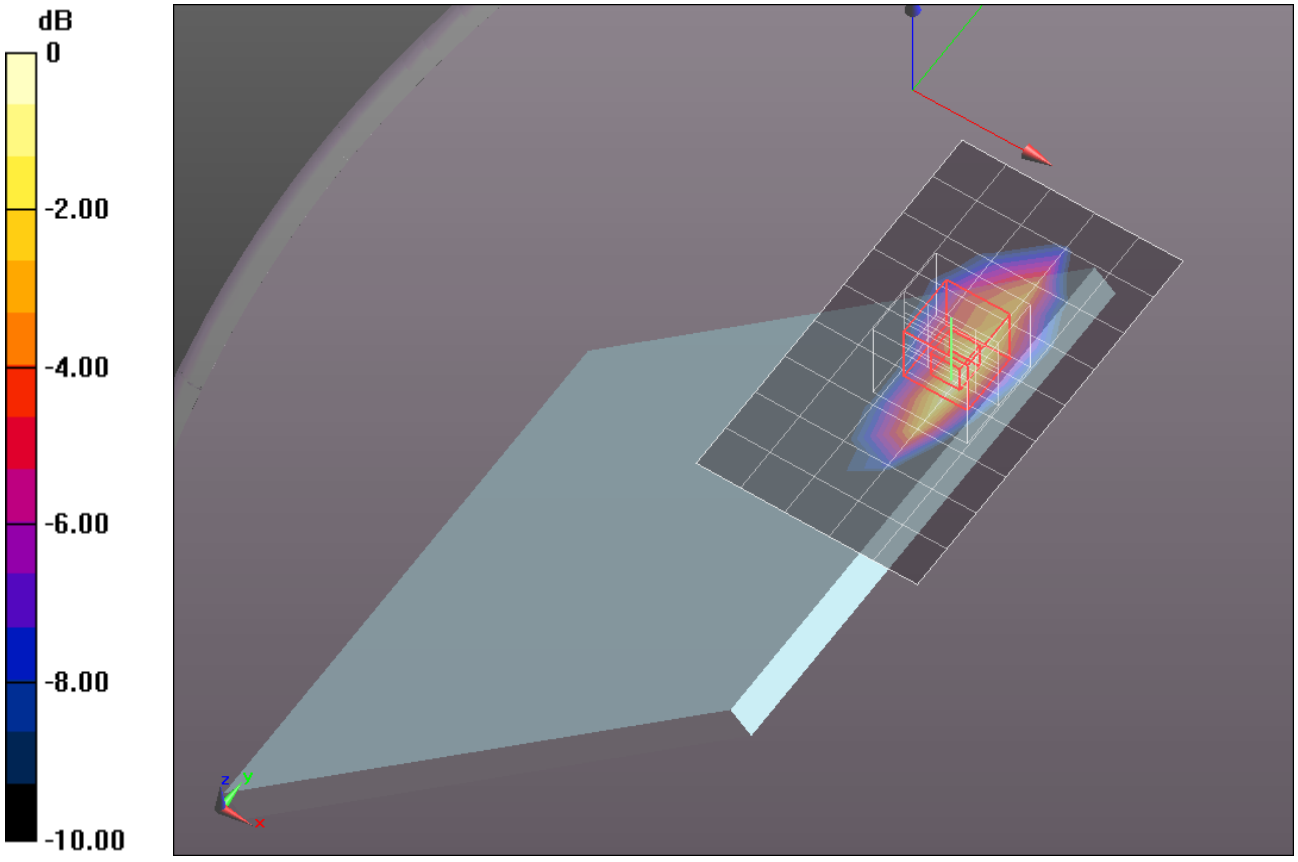
Frequency: 711 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 711 MHz; σ = 0.932 mho/m; ε_r = 53.515; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

41 deg Tilt @ Edge 1/QPSK_RB#25,12_Ch 23800/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.291 mW/g

41 deg Tilt @ Edge 1/QPSK_RB#25,12_Ch 23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 38.497 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 2.1410
SAR(1 g) = 0.983 mW/g; SAR(10 g) = 0.491 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.500 mW/g



0 dB = 1.500mW/g = 3.52 dB mW/g

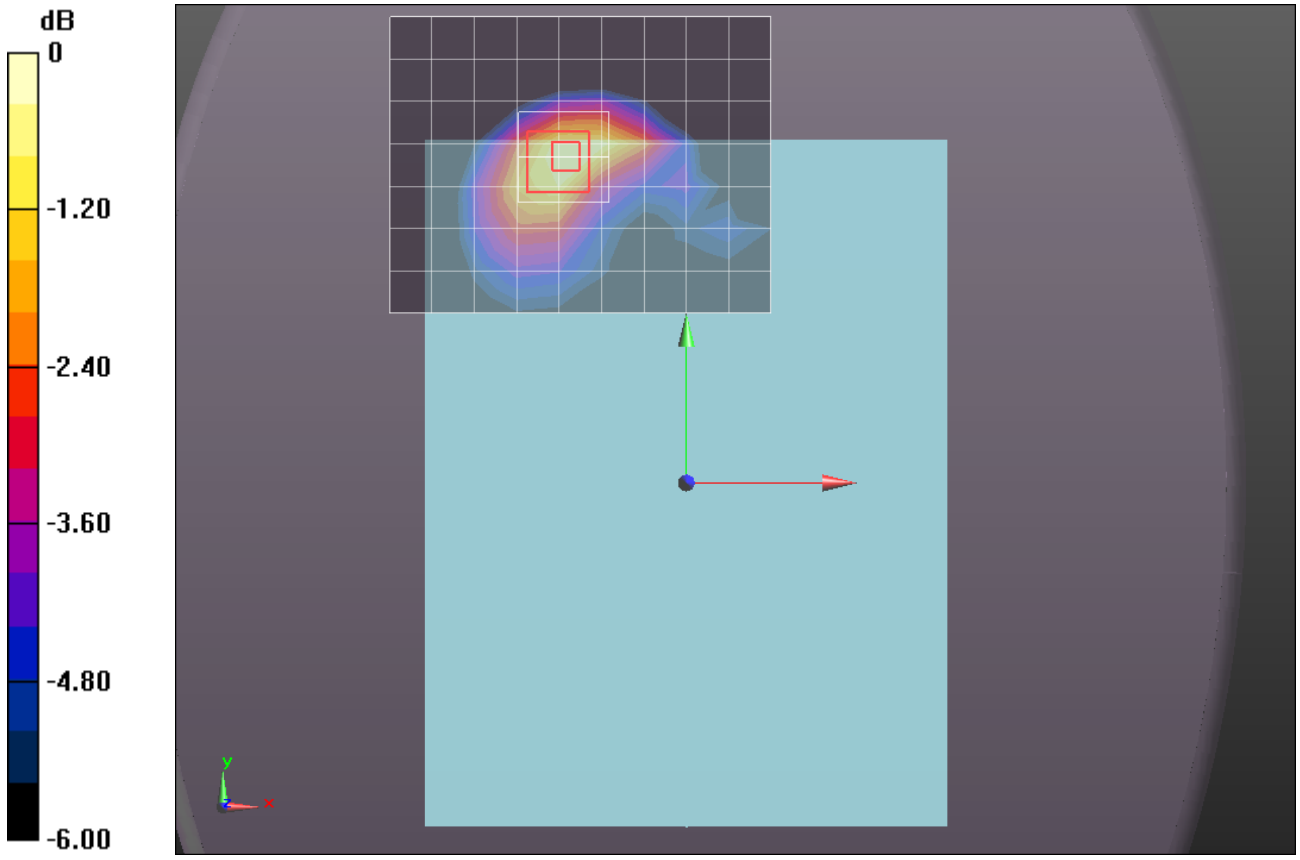
Test Laboratory: Lab B Date: 9/18/2012

LTE Band 17

Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.931 mho/m; ε_r = 53.527; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Rear with 12mm/QPSK_RB#1,0_Ch 23790/Area Scan (10x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.344 mW/g

Rear with 12mm/QPSK_RB#1,0_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.907 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.4560
SAR(1 g) = 0.294 mW/g; SAR(10 g) = 0.190 mW/g
Maximum value of SAR (measured) = 0.379 mW/g



0 dB = 0.380mW/g = -8.40 dB mW/g

Test Laboratory: Lab B Date: 9/18/2012

LTE Band 17

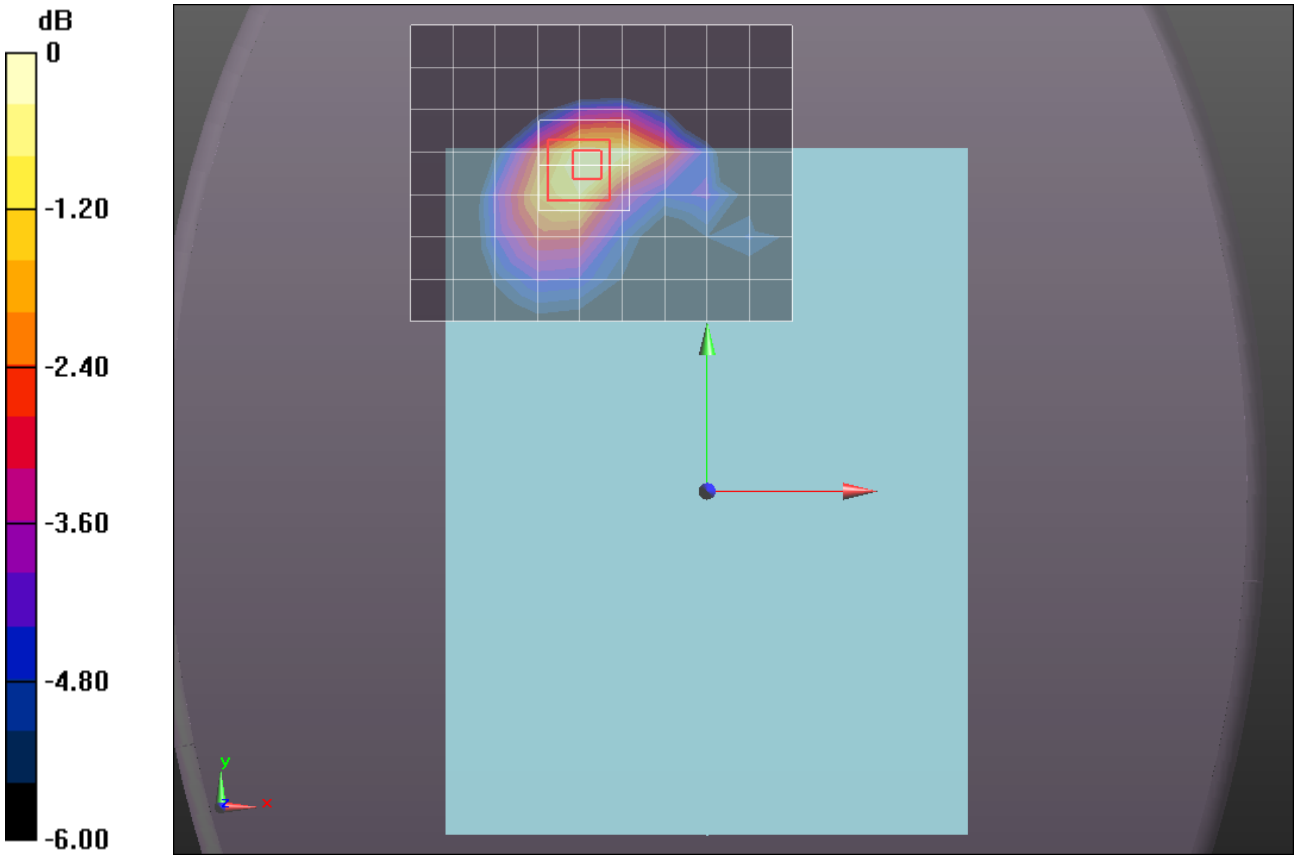
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.931 mho/m; ε_r = 53.527; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Rear with 12mm/QPSK_RB#1,24_Ch 23790/Area Scan (10x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.384 mW/g

Rear with 12mm/QPSK_RB#1,24_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.963 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.5090
SAR(1 g) = 0.328 mW/g; SAR(10 g) = 0.210 mW/g
Maximum value of SAR (measured) = 0.423 mW/g



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

Test Laboratory: Lab B Date: 9/18/2012

LTE Band 17

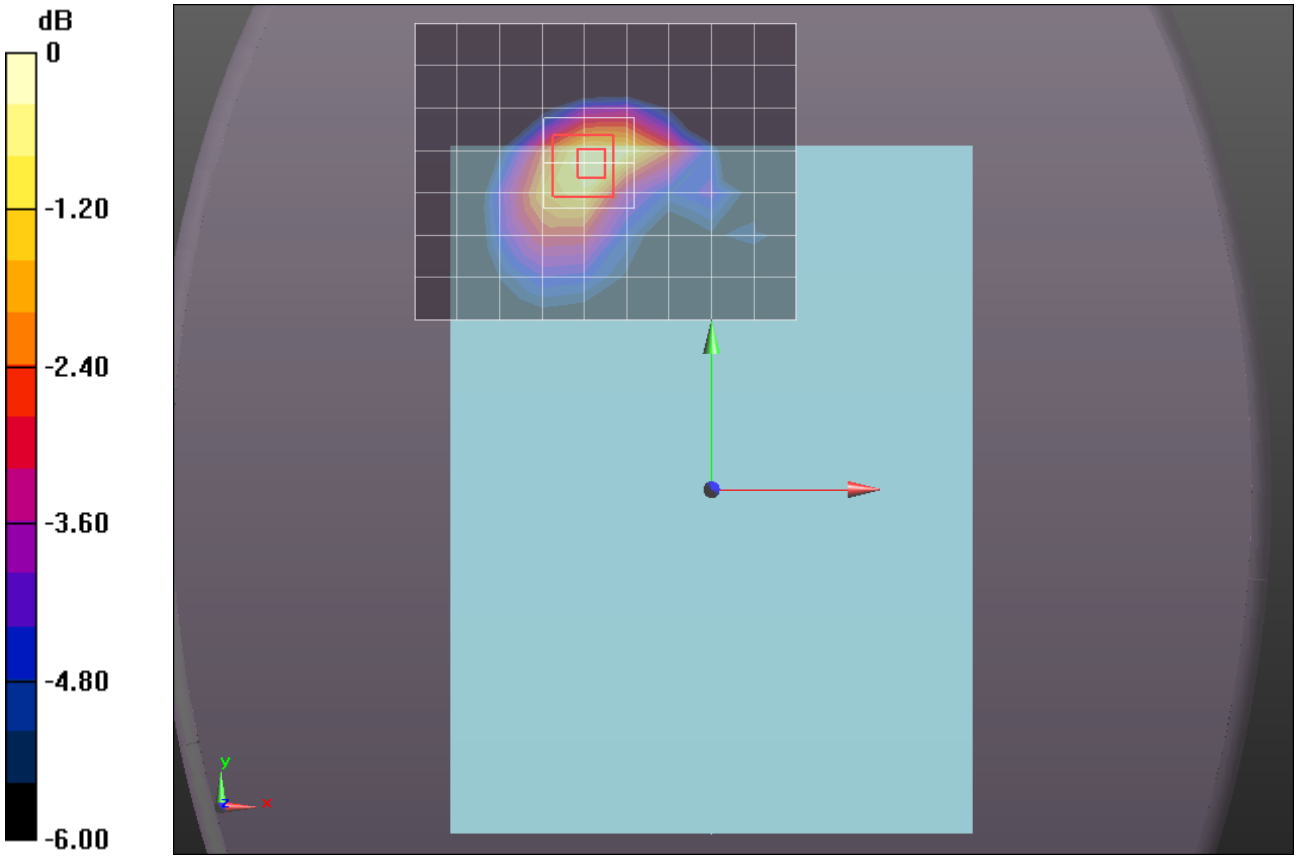
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.931 mho/m; ε_r = 53.527; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Rear with 12mm/QPSK_RB#1,49_Ch 23790/Area Scan (10x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.507 mW/g

Rear with 12mm/QPSK_RB#1,49_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.234 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.6740
SAR(1 g) = 0.434 mW/g; SAR(10 g) = 0.278 mW/g
Maximum value of SAR (measured) = 0.562 mW/g



0 dB = 0.560mW/g = -5.04 dB mW/g

Test Laboratory: Lab B Date: 9/18/2012

LTE Band 17

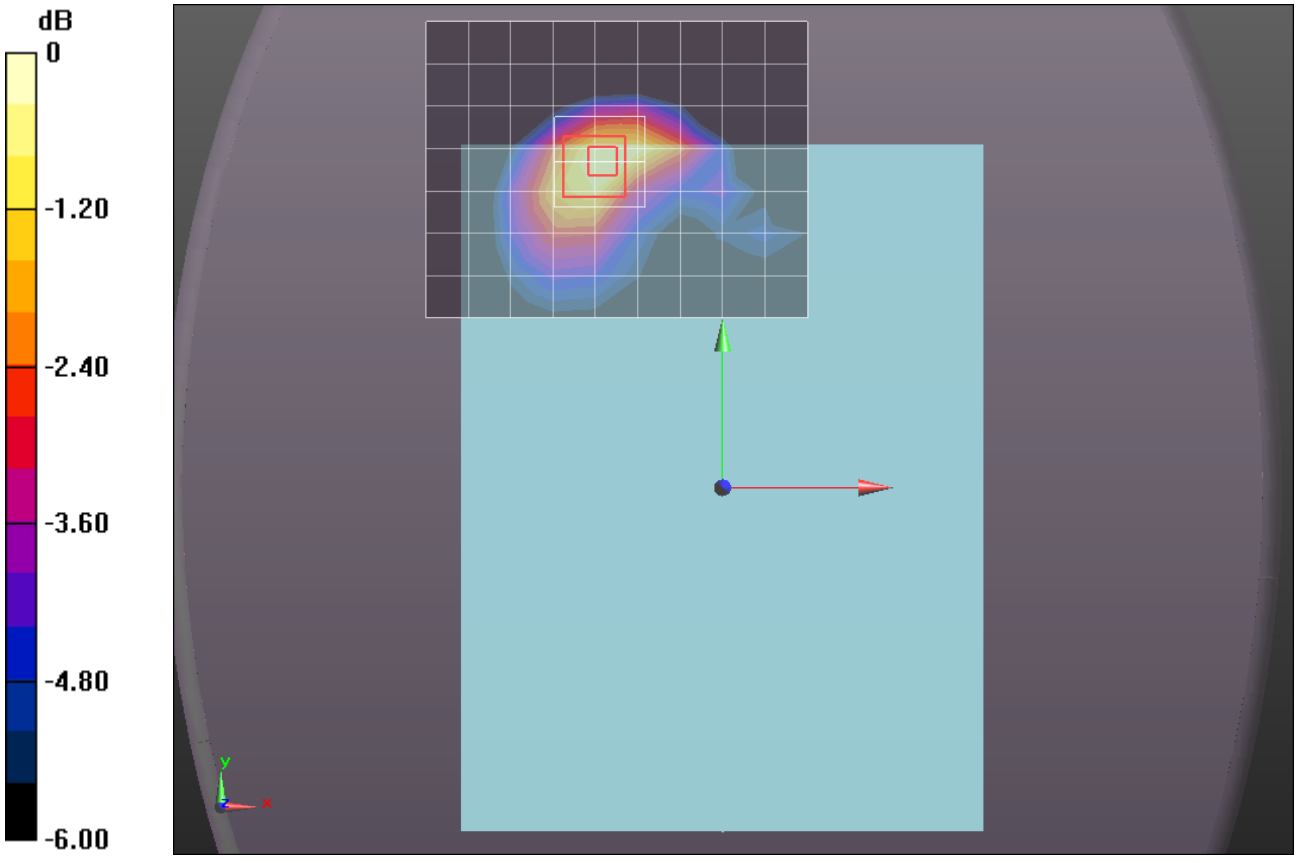
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.931 mho/m; ε_r = 53.527; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Rear with 12mm/QPSK_RB#25,0_Ch 23790/Area Scan (10x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.293 mW/g

Rear with 12mm/QPSK_RB#25,0_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.306 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.3870
SAR(1 g) = 0.249 mW/g; SAR(10 g) = 0.160 mW/g
Maximum value of SAR (measured) = 0.321 mW/g



0 dB = 0.320mW/g = -9.90 dB mW/g

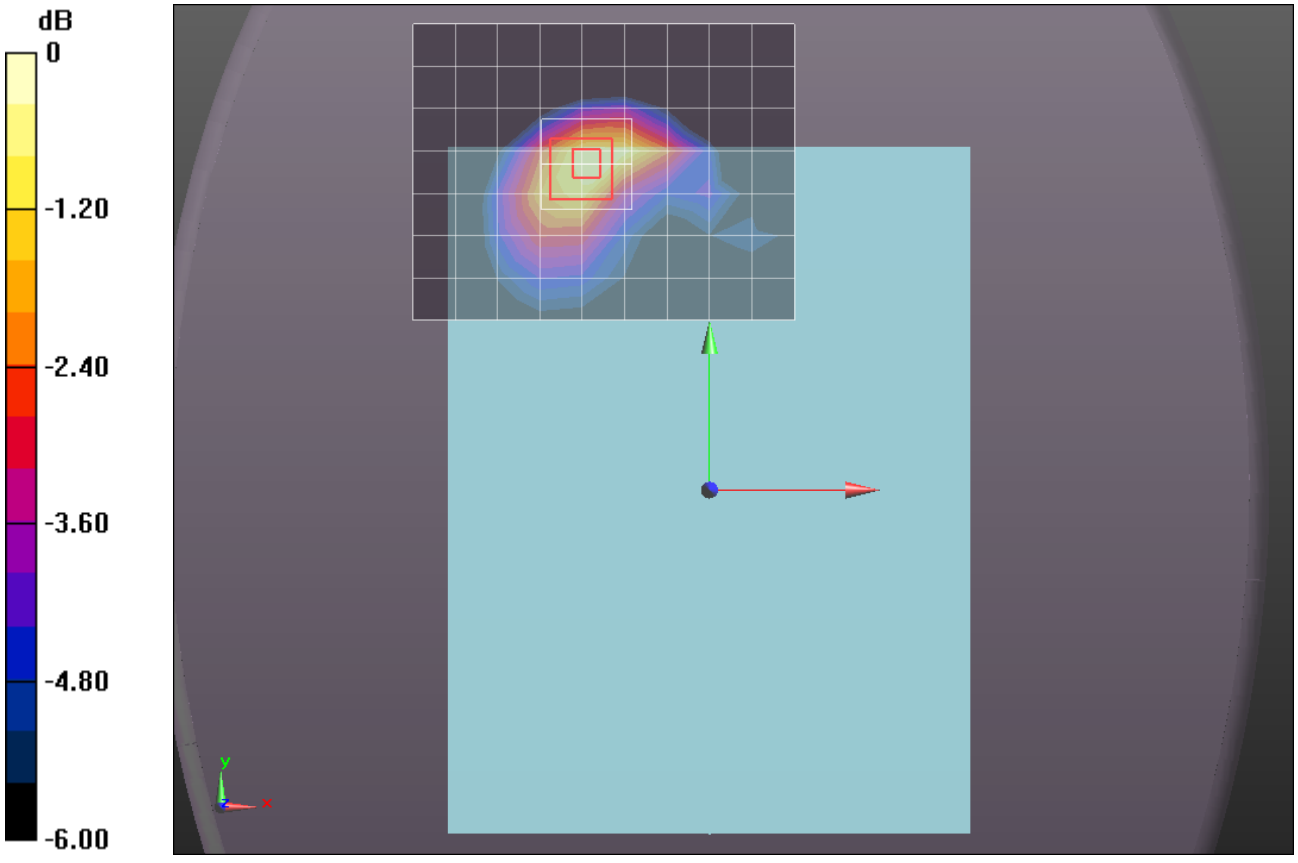
Test Laboratory: Lab B Date: 9/18/2012

LTE Band 17

Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.931 mho/m; ε_r = 53.527; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Rear with 12mm/QPSK_RB#25,12_Ch 23790/Area Scan (10x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.330 mW/g

Rear with 12mm/QPSK_RB#25,12_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.489 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.4470
SAR(1 g) = 0.285 mW/g; SAR(10 g) = 0.183 mW/g
Maximum value of SAR (measured) = 0.371 mW/g



0 dB = 0.370mW/g = -8.64 dB mW/g

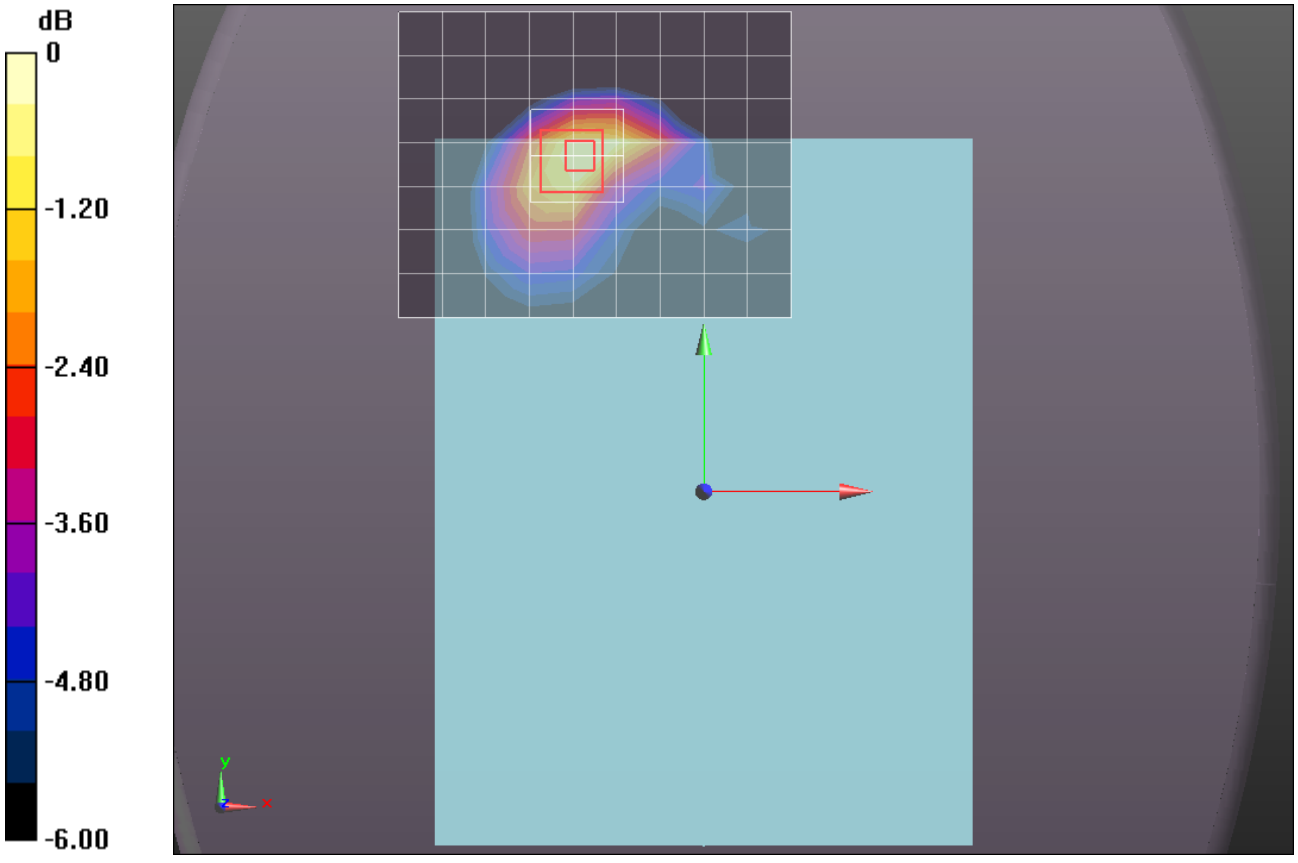
Test Laboratory: Lab B Date: 9/18/2012

LTE Band 17

Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.931 mho/m; ε_r = 53.527; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Rear with 12mm/QPSK_RB#25,24_Ch 23790/Area Scan (10x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.380 mW/g

Rear with 12mm/QPSK_RB#25,24_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.883 V/m; Power Drift = -0.0088 dB
Peak SAR (extrapolated) = 0.5040
SAR(1 g) = 0.323 mW/g; SAR(10 g) = 0.207 mW/g
Maximum value of SAR (measured) = 0.419 mW/g



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

Test Laboratory: Lab B Date: 9/18/2012

LTE Band 17

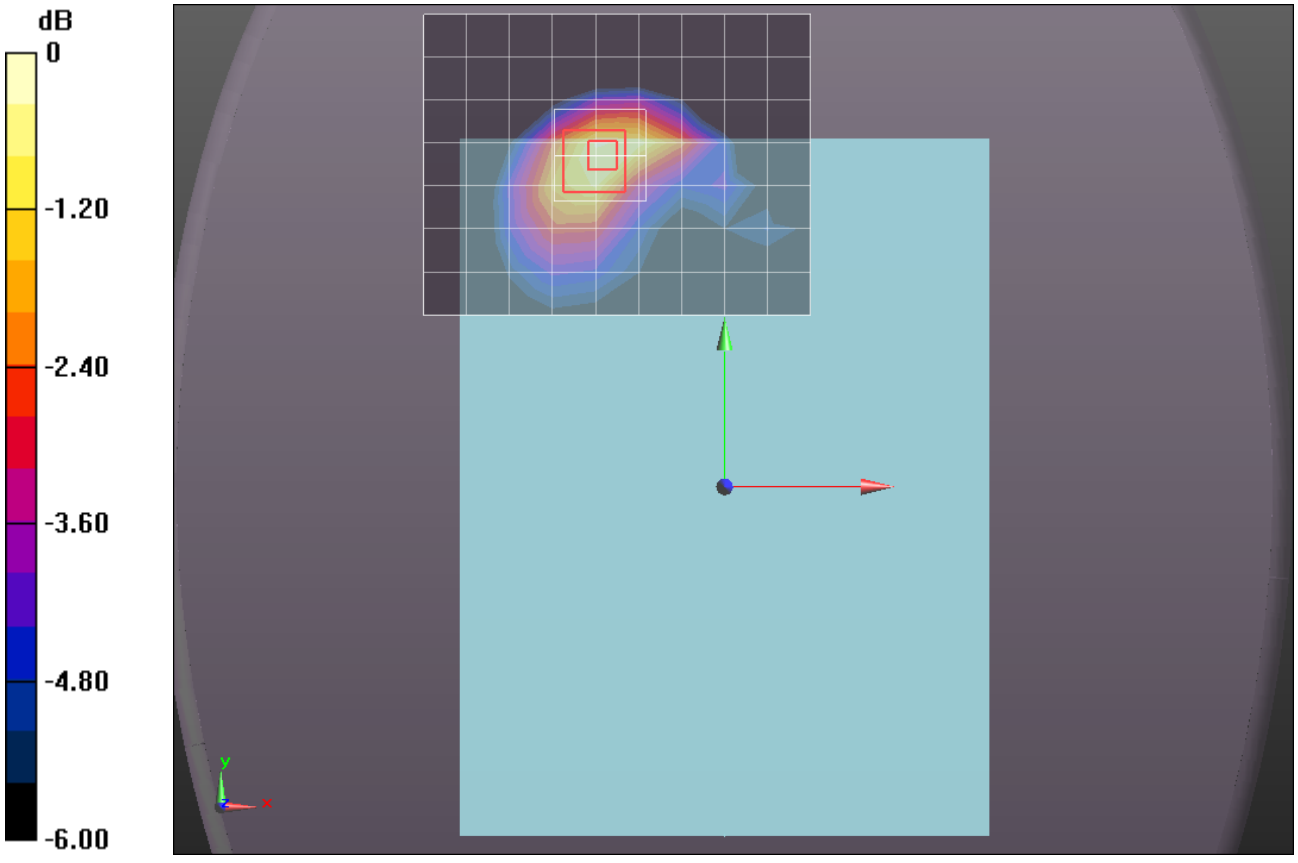
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.931 mho/m; ε_r = 53.527; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Rear with 12mm/QPSK_RB#50,0_Ch 23790/Area Scan (10x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.341 mW/g

Rear with 12mm/QPSK_RB#50,0_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.607 V/m; Power Drift = -0.0042 dB
Peak SAR (extrapolated) = 0.4460
SAR(1 g) = 0.286 mW/g; SAR(10 g) = 0.184 mW/g
Maximum value of SAR (measured) = 0.370 mW/g



0 dB = 0.370mW/g = -8.64 dB mW/g

Test Laboratory: Lab B Date: 9/18/2012

LTE Band 17

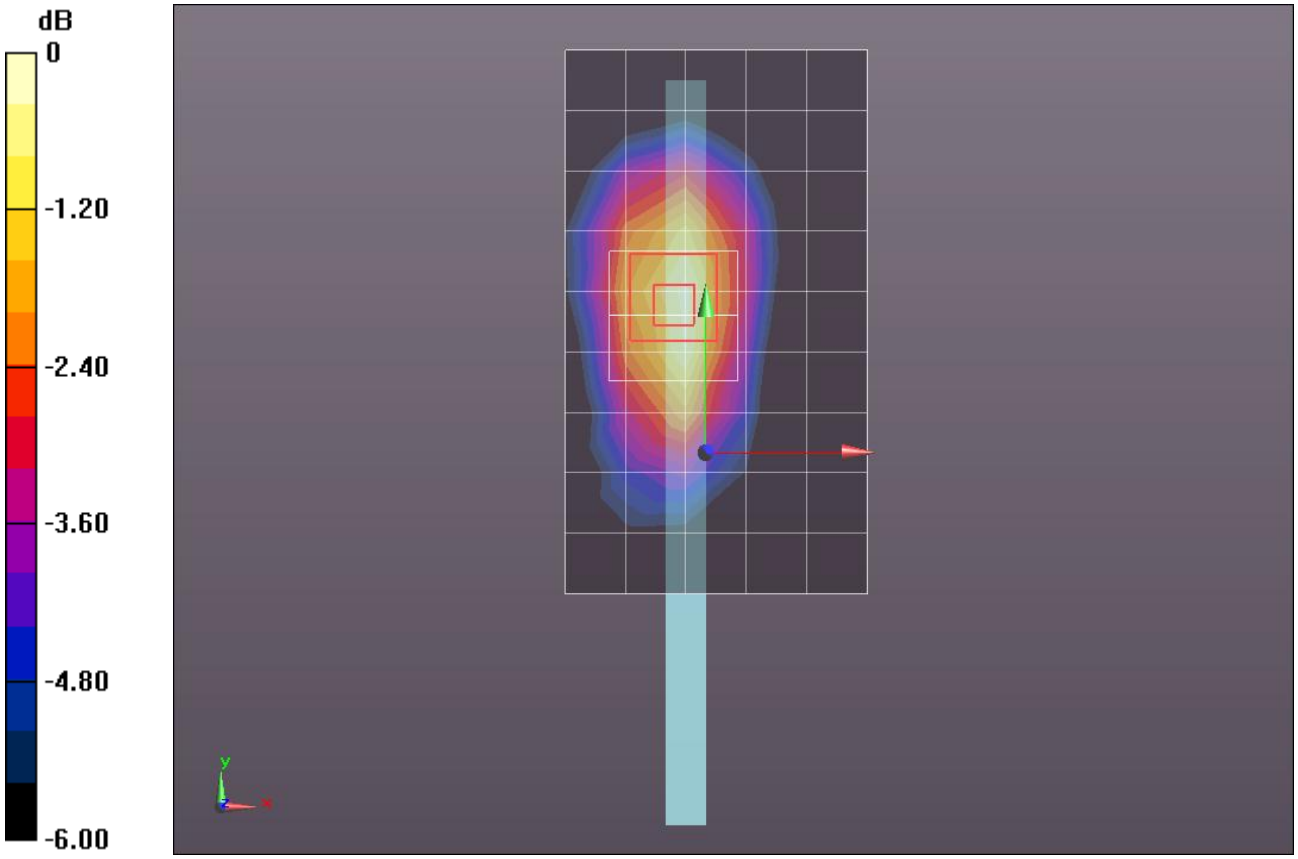
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.931 mho/m; ε_r = 53.527; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Edge 1 with 14mm/QPSK_RB#1,0_Ch 23790/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.192 mW/g

Edge 1 with 14mm/QPSK_RB#1,0_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.448 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.2320
SAR(1 g) = 0.160 mW/g; SAR(10 g) = 0.108 mW/g
Maximum value of SAR (measured) = 0.199 mW/g



0 dB = 0.200mW/g = -13.98 dB mW/g

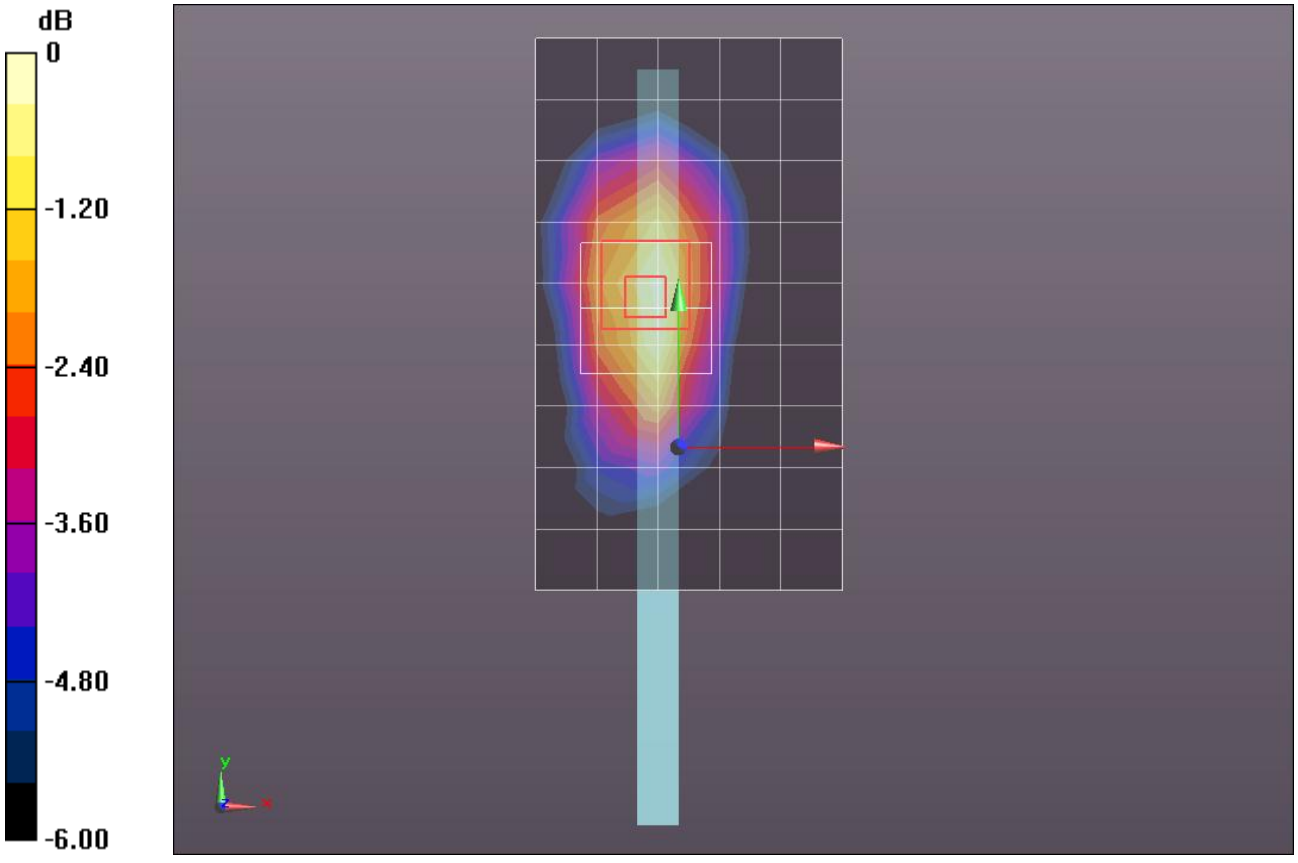
Test Laboratory: Lab B Date: 9/19/2012

LTE Band 17

Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.931 mho/m; ε_r = 53.527; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Edge 1 with 14mm/QPSK_RB#1,24_Ch 23790/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.191 mW/g

Edge 1 with 14mm/QPSK_RB#1,24_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.388 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.2340
SAR(1 g) = 0.160 mW/g; SAR(10 g) = 0.107 mW/g
Maximum value of SAR (measured) = 0.200 mW/g



0 dB = 0.200mW/g = -13.98 dB mW/g

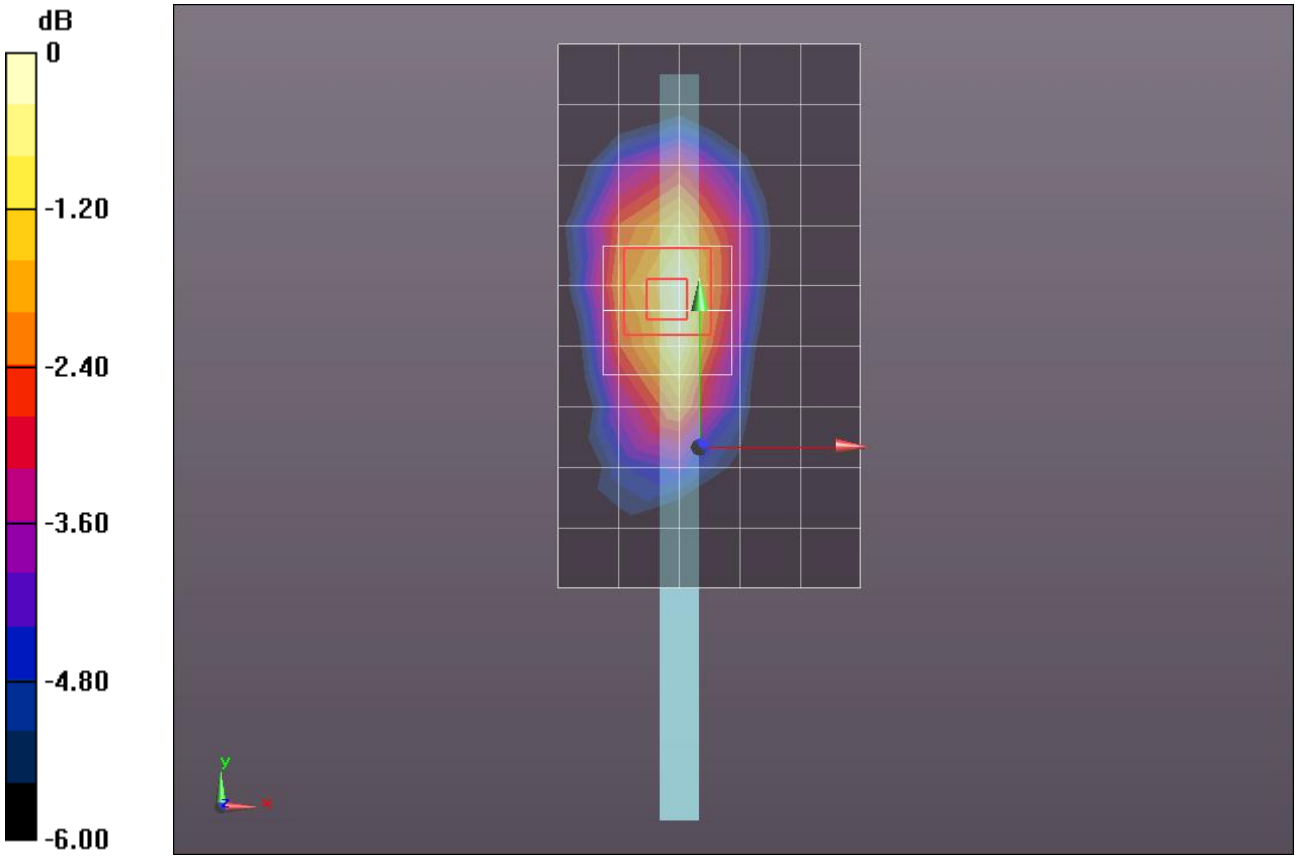
Test Laboratory: Lab B Date: 9/19/2012

LTE Band 17

Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.931 mho/m; ε_r = 53.527; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Edge 1 with 14mm/QPSK_RB#1,49_Ch 23790/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.254 mW/g

Edge 1 with 14mm/QPSK_RB#1,49_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.505 V/m; Power Drift = 0.0073 dB
Peak SAR (extrapolated) = 0.3050
SAR(1 g) = 0.207 mW/g; SAR(10 g) = 0.138 mW/g
Maximum value of SAR (measured) = 0.260 mW/g



0 dB = 0.260mW/g = -11.70 dB mW/g

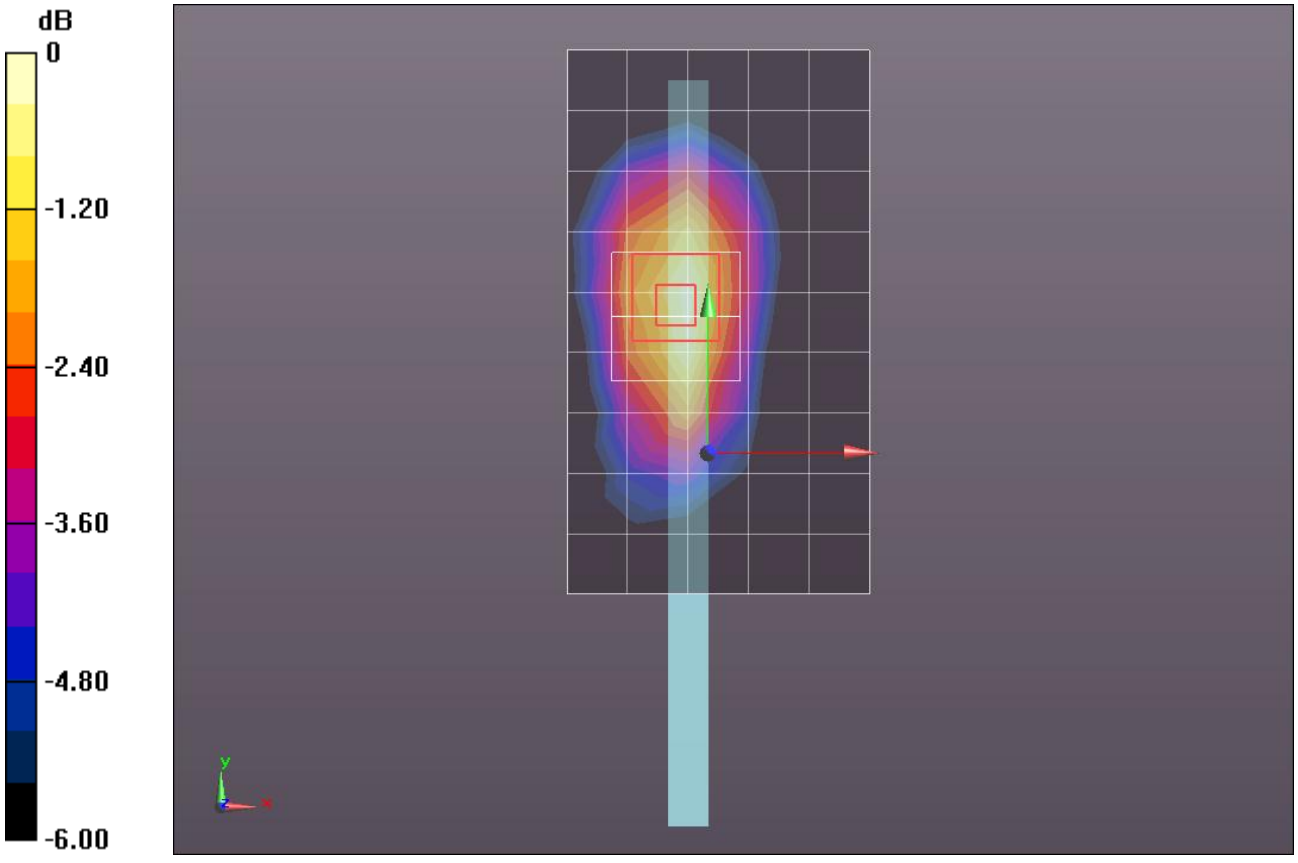
Test Laboratory: Lab B Date: 9/18/2012

LTE Band 17

Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.931 mho/m; ε_r = 53.527; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Edge 1 with 14mm/QPSK_RB#25,0_Ch 23790/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.155 mW/g

Edge 1 with 14mm/QPSK_RB#25,0_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.969 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.1880
SAR(1 g) = 0.129 mW/g; SAR(10 g) = 0.086 mW/g
Maximum value of SAR (measured) = 0.161 mW/g



0 dB = 0.160mW/g = -15.92 dB mW/g

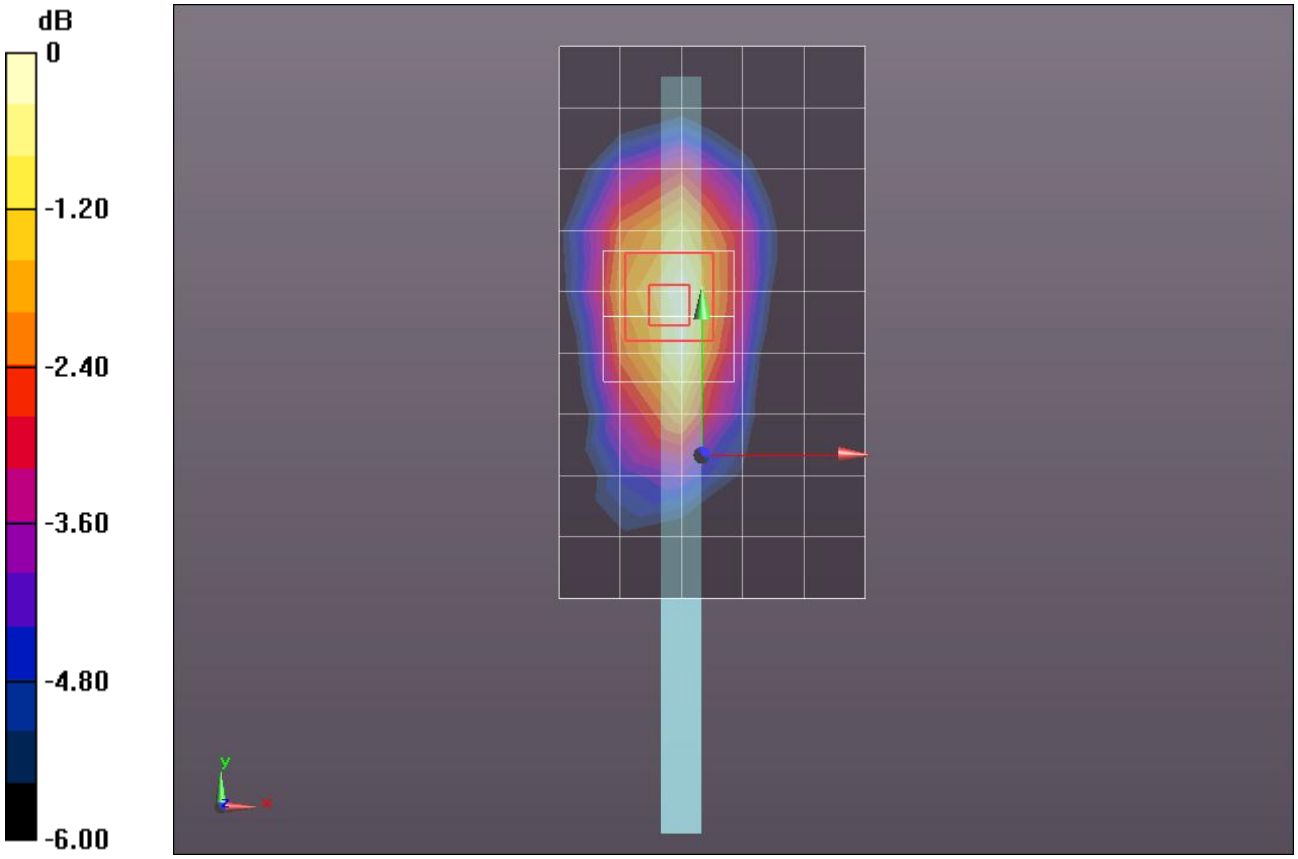
Test Laboratory: Lab B Date: 9/19/2012

LTE Band 17

Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.931 mho/m; ε_r = 53.527; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Edge 1 with 14mm/QPSK_RB#25,12_Ch 23790/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.170 mW/g

Edge 1 with 14mm/QPSK_RB#25,12_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.375 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.1980
SAR(1 g) = 0.138 mW/g; SAR(10 g) = 0.093 mW/g



0 dB = 0.170mW/g = -15.39 dB mW/g

Test Laboratory: Lab B Date: 9/19/2012

LTE Band 17

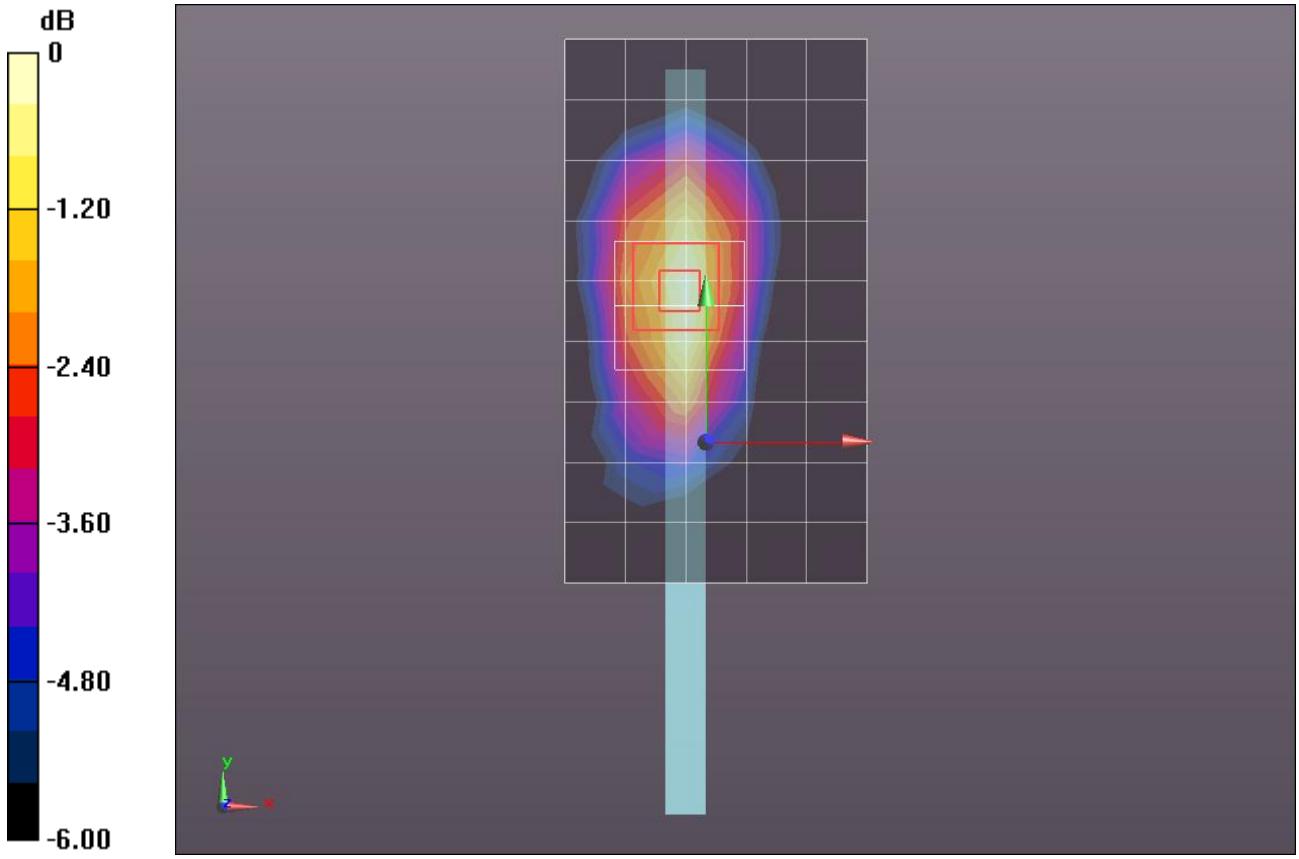
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.927 mho/m; ε_r = 54.453; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Edge 1 with 14mm/QPSK_RB#25,24_Ch 23790/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.194 mW/g

Edge 1 with 14mm/QPSK_RB#25,24_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.343 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.2310
SAR(1 g) = 0.158 mW/g; SAR(10 g) = 0.106 mW/g
Maximum value of SAR (measured) = 0.197 mW/g



0 dB = 0.200mW/g = -13.98 dB mW/g

Test Laboratory: Lab B Date: 9/19/2012

LTE Band 17

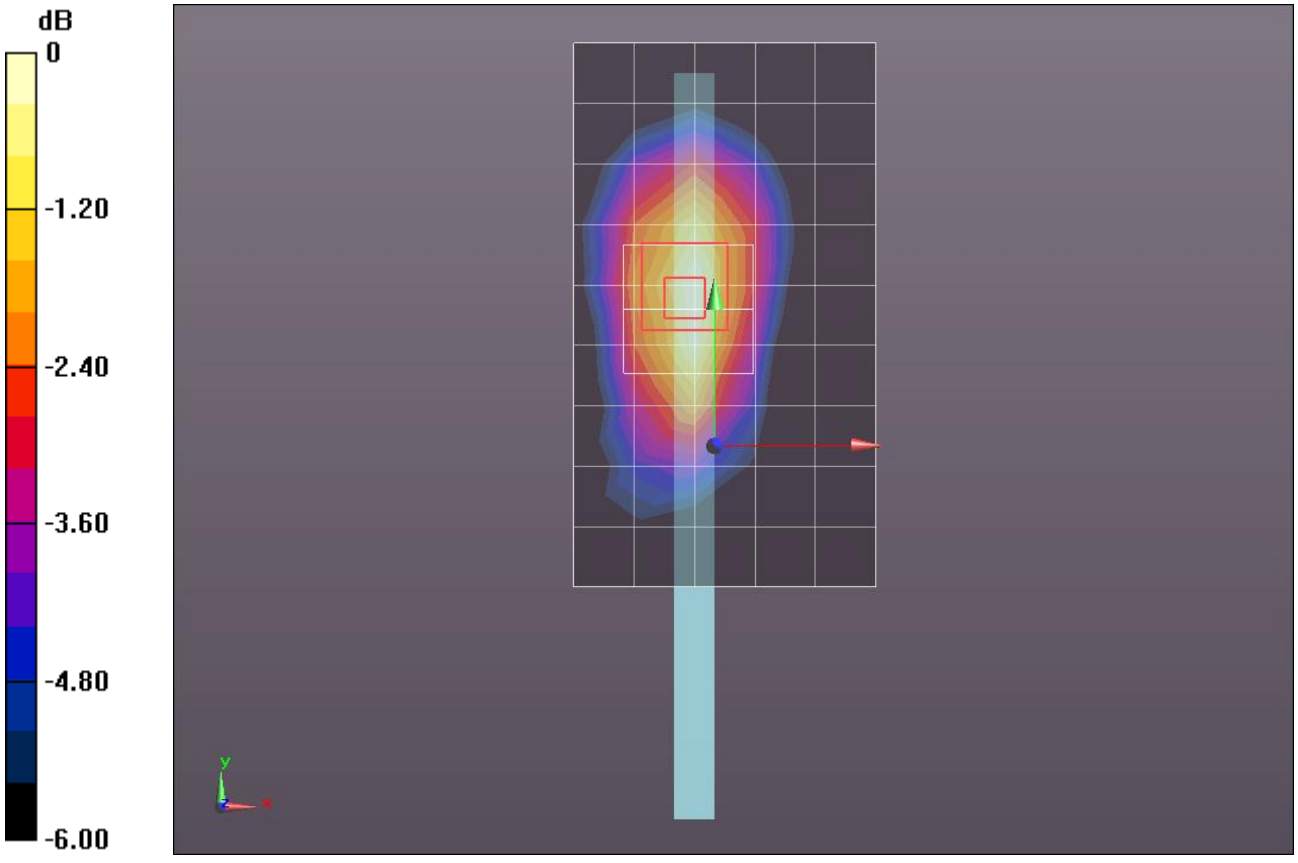
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.927 mho/m; ε_r = 54.453; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Edge 1 with 14mm/QPSK_RB#50,0_Ch 23790/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.181 mW/g

Edge 1 with 14mm/QPSK_RB#50,0_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.901 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.2140
SAR(1 g) = 0.146 mW/g; SAR(10 g) = 0.098 mW/g
Maximum value of SAR (measured) = 0.182 mW/g



0 dB = 0.180mW/g = -14.89 dB mW/g

Test Laboratory: Lab B Date: 9/19/2012

LTE Band 17

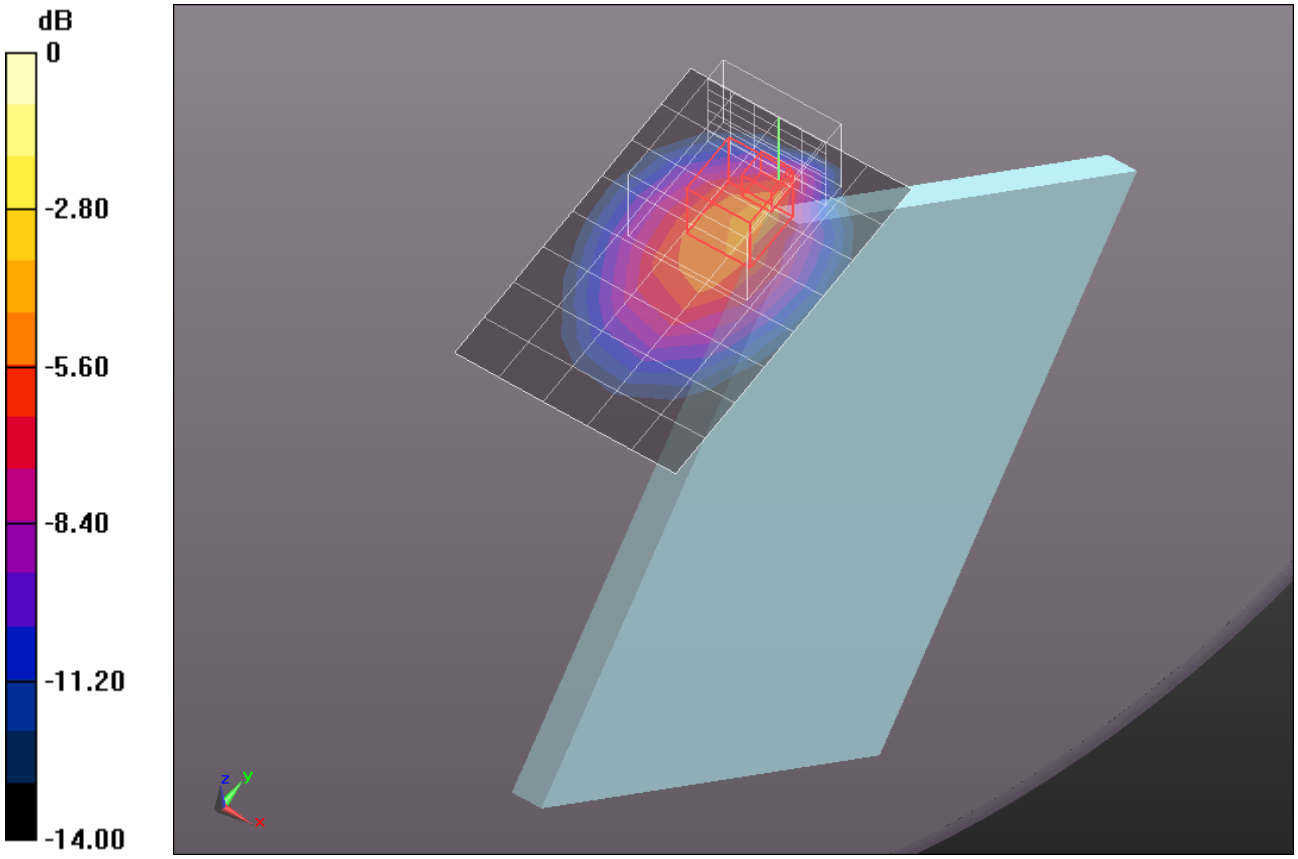
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.927 mho/m; ε_r = 54.453; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

27 deg Right Tilt @ Edge 1/QPSK_RB#1,0_Ch 23790/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.203 mW/g

27 deg Right Tilt @ Edge 1/QPSK_RB#1,0_Ch 23790/Zoom Scan (6x7x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.624 V/m; Power Drift = 0.0052 dB
Peak SAR (extrapolated) = 0.7690
SAR(1 g) = 0.224 mW/g; SAR(10 g) = 0.108 mW/g
Maximum value of SAR (measured) = 0.513 mW/g



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

Test Laboratory: Lab B Date: 9/19/2012

LTE Band 17

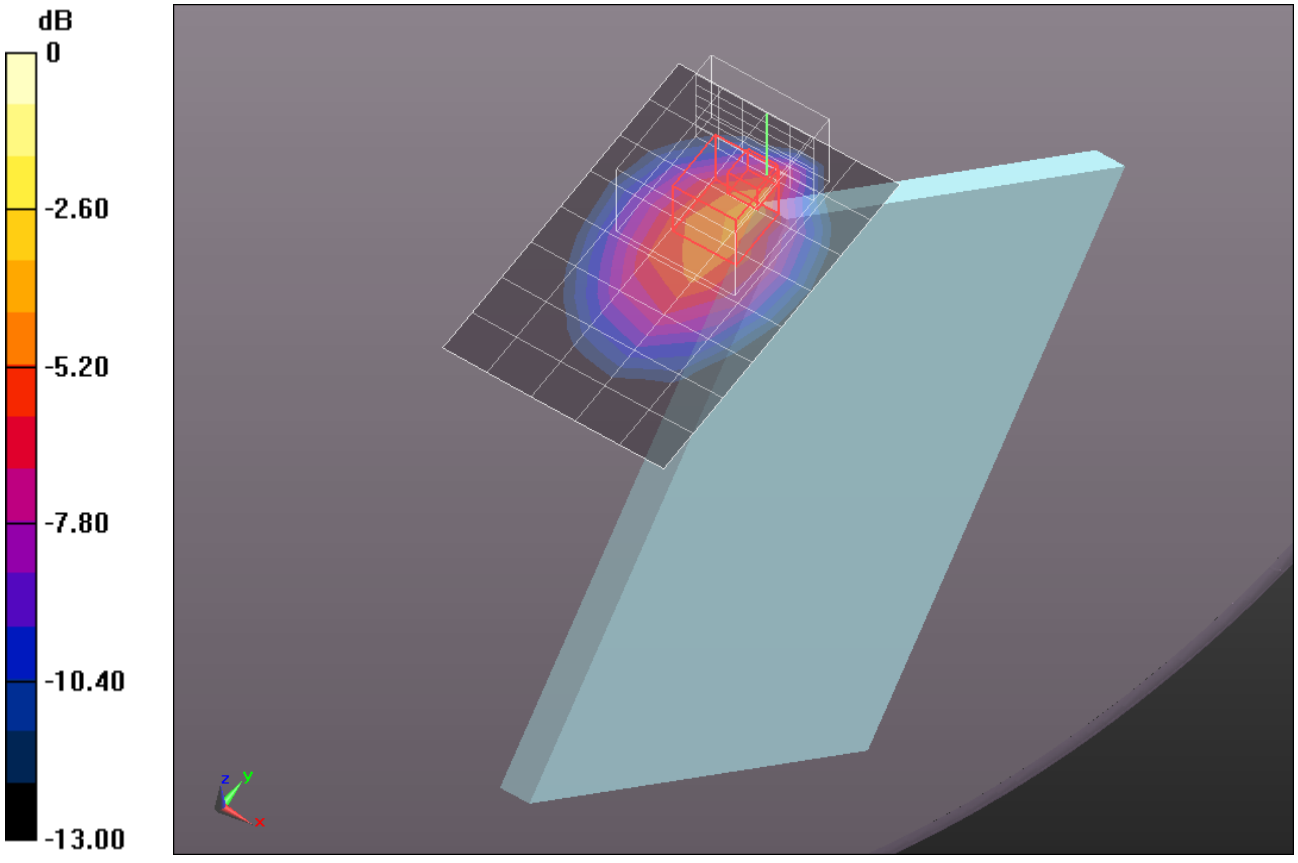
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.927 mho/m; ε_r = 54.453; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

27 deg Right Tilt @ Edge 1/QPSK_RB#1,24_Ch 23790/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.228 mW/g

27 deg Right Tilt @ Edge 1/QPSK_RB#1,24_Ch 23790/Zoom Scan (6x7x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.223 V/m; Power Drift = -0.003 dB
Peak SAR (extrapolated) = 0.8110
SAR(1 g) = 0.238 mW/g; SAR(10 g) = 0.118 mW/g
Maximum value of SAR (measured) = 0.541 mW/g



0 dB = 0.540mW/g = -5.35 dB mW/g

Test Laboratory: Lab B Date: 9/19/2012

LTE Band 17

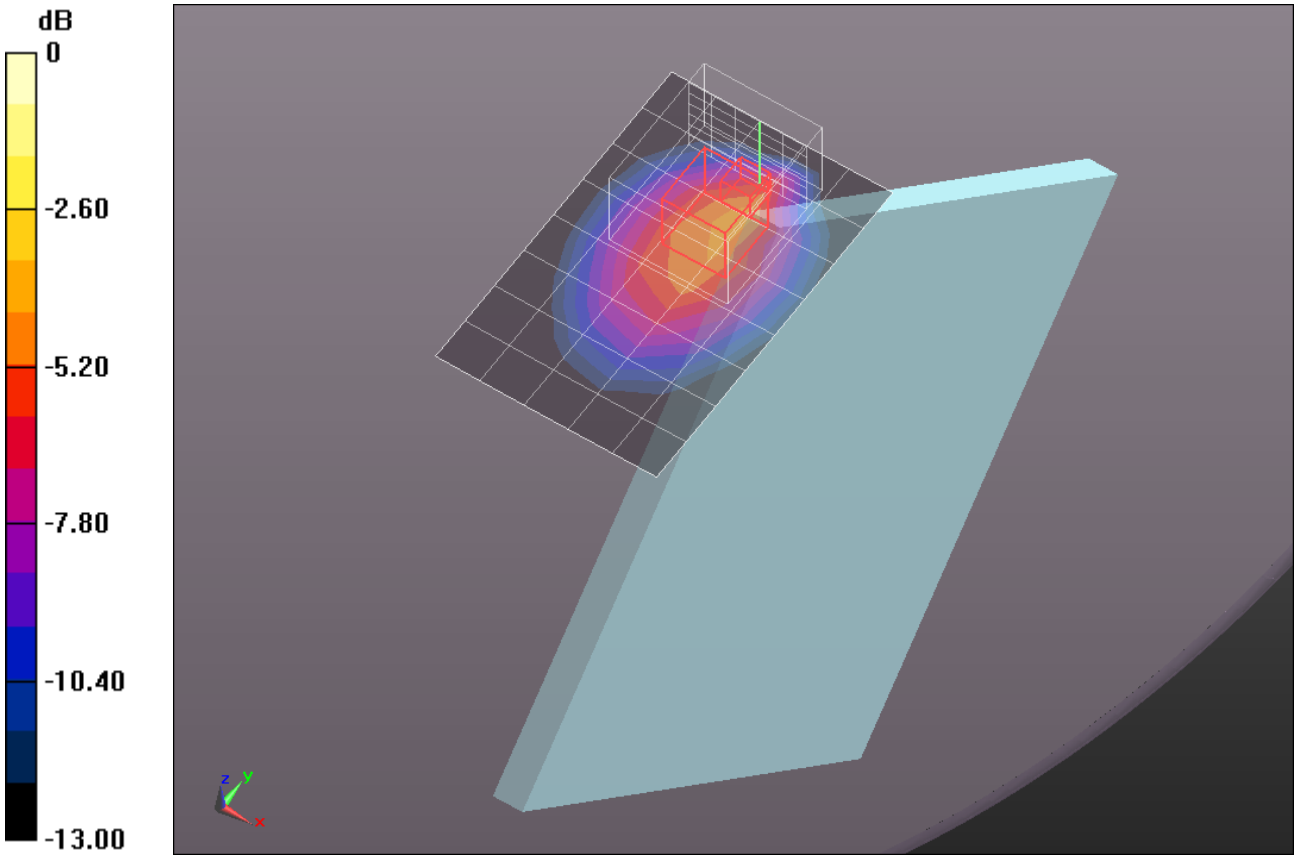
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.927 mho/m; ε_r = 54.453; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

27 deg Right Tilt @ Edge 1/QPSK_RB#1,49_Ch 23790/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.330 mW/g

27 deg Right Tilt @ Edge 1/QPSK_RB#1,49_Ch 23790/Zoom Scan (6x7x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.255 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.1410
SAR(1 g) = 0.337 mW/g; SAR(10 g) = 0.169 mW/g
Maximum value of SAR (measured) = 0.763 mW/g



0 dB = 0.760mW/g = -2.38 dB mW/g

Test Laboratory: Lab B Date: 9/19/2012

LTE Band 17

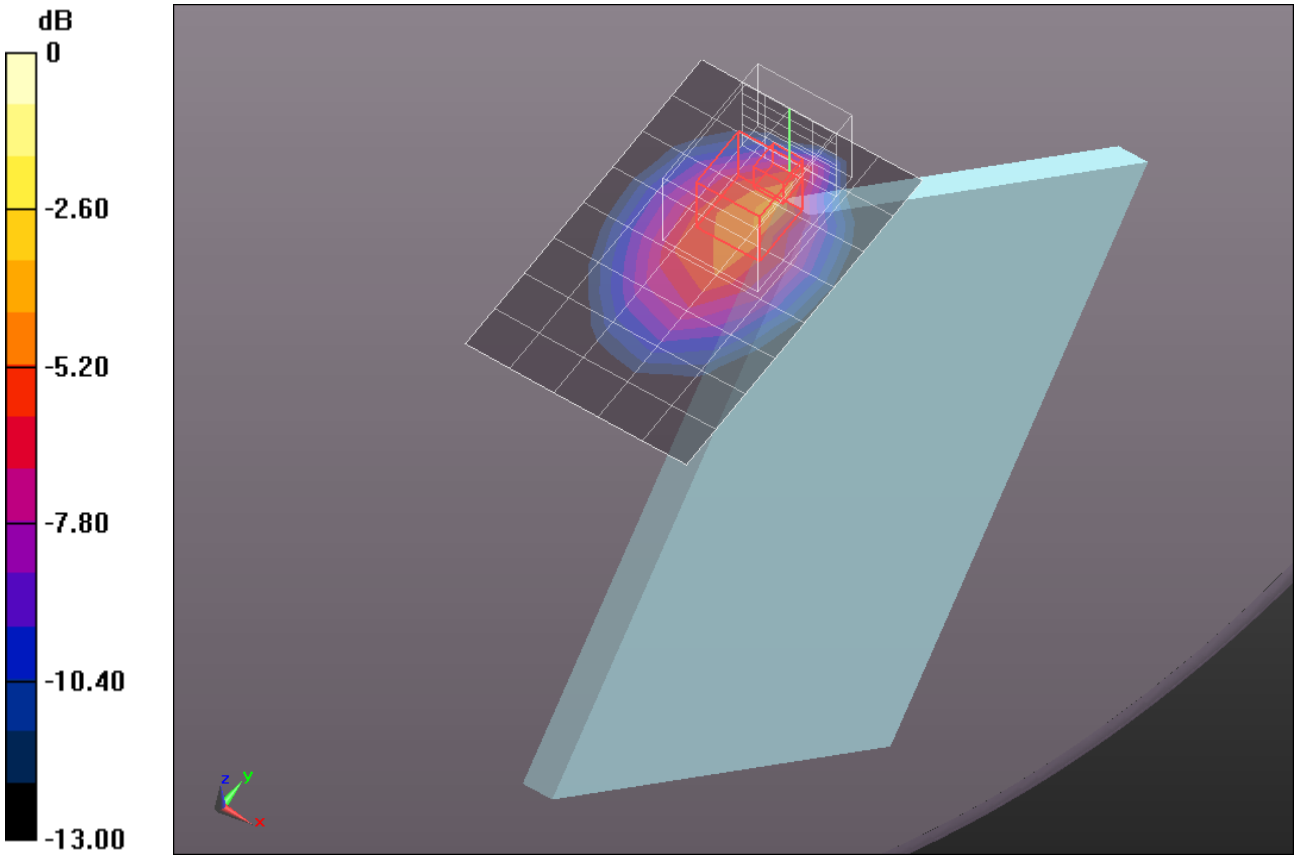
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.927 mho/m; ε_r = 54.453; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

27 deg Right Tilt @ Edge 1/QPSK_RB#25,0_Ch 23790/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.180 mW/g

27 deg Right Tilt @ Edge 1/QPSK_RB#25,0_Ch 23790/Zoom Scan (5x7x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.349 V/m; Power Drift = 0.0096 dB
Peak SAR (extrapolated) = 0.6620
SAR(1 g) = 0.185 mW/g; SAR(10 g) = 0.090 mW/g
Maximum value of SAR (measured) = 0.439 mW/g



0 dB = 0.440mW/g = -7.13 dB mW/g

Test Laboratory: Lab B Date: 9/19/2012

LTE Band 17

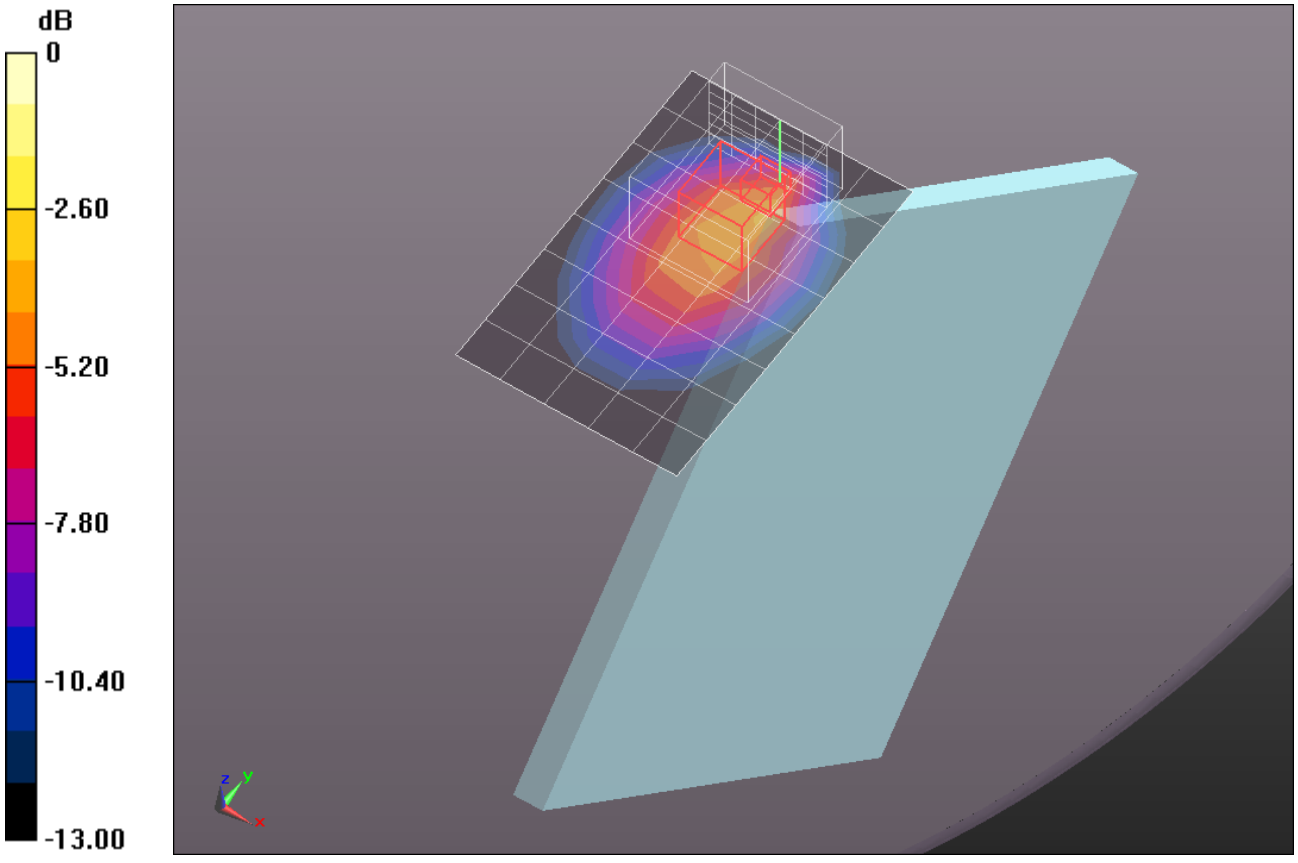
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.927 mho/m; ε_r = 54.453; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

27 deg Right Tilt @ Edge 1/QPSK_RB#2512_Ch 23790/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.198 mW/g

27 deg Right Tilt @ Edge 1/QPSK_RB#2512_Ch 23790/Zoom Scan (6x7x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.013 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.6520
SAR(1 g) = 0.199 mW/g; SAR(10 g) = 0.101 mW/g
Maximum value of SAR (measured) = 0.421 mW/g



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

Test Laboratory: Lab B Date: 9/19/2012

LTE Band 17

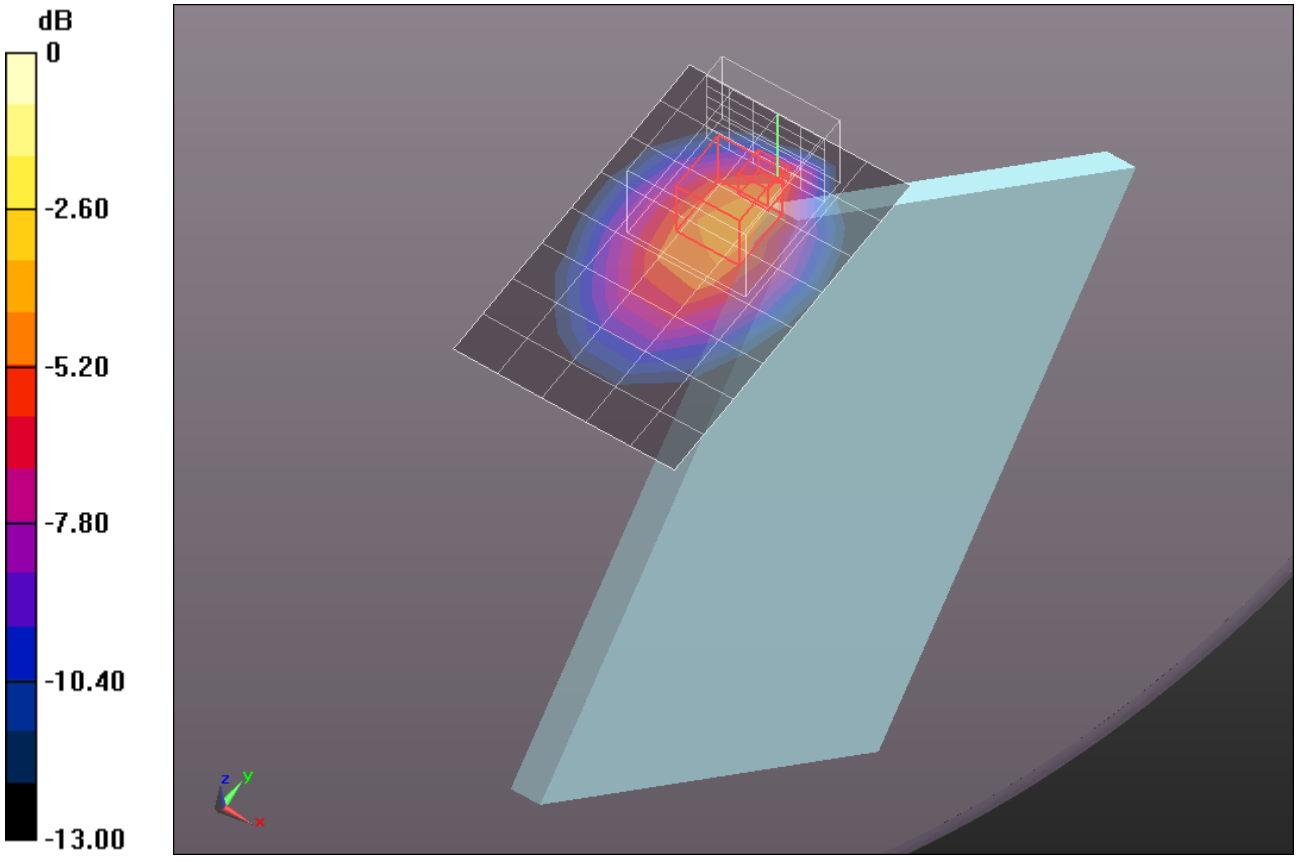
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.927 mho/m; ε_r = 54.453; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

27 deg Right Tilt @ Edge 1/QPSK_RB#25,24_Ch 23790/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.227 mW/g

27 deg Right Tilt @ Edge 1/QPSK_RB#25,24_Ch 23790/Zoom Scan (6x7x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.147 V/m; Power Drift = 0.0056 dB
Peak SAR (extrapolated) = 0.7690
SAR(1 g) = 0.234 mW/g; SAR(10 g) = 0.118 mW/g
Maximum value of SAR (measured) = 0.495 mW/g



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

Test Laboratory: Lab B Date: 9/19/2012

LTE Band 17

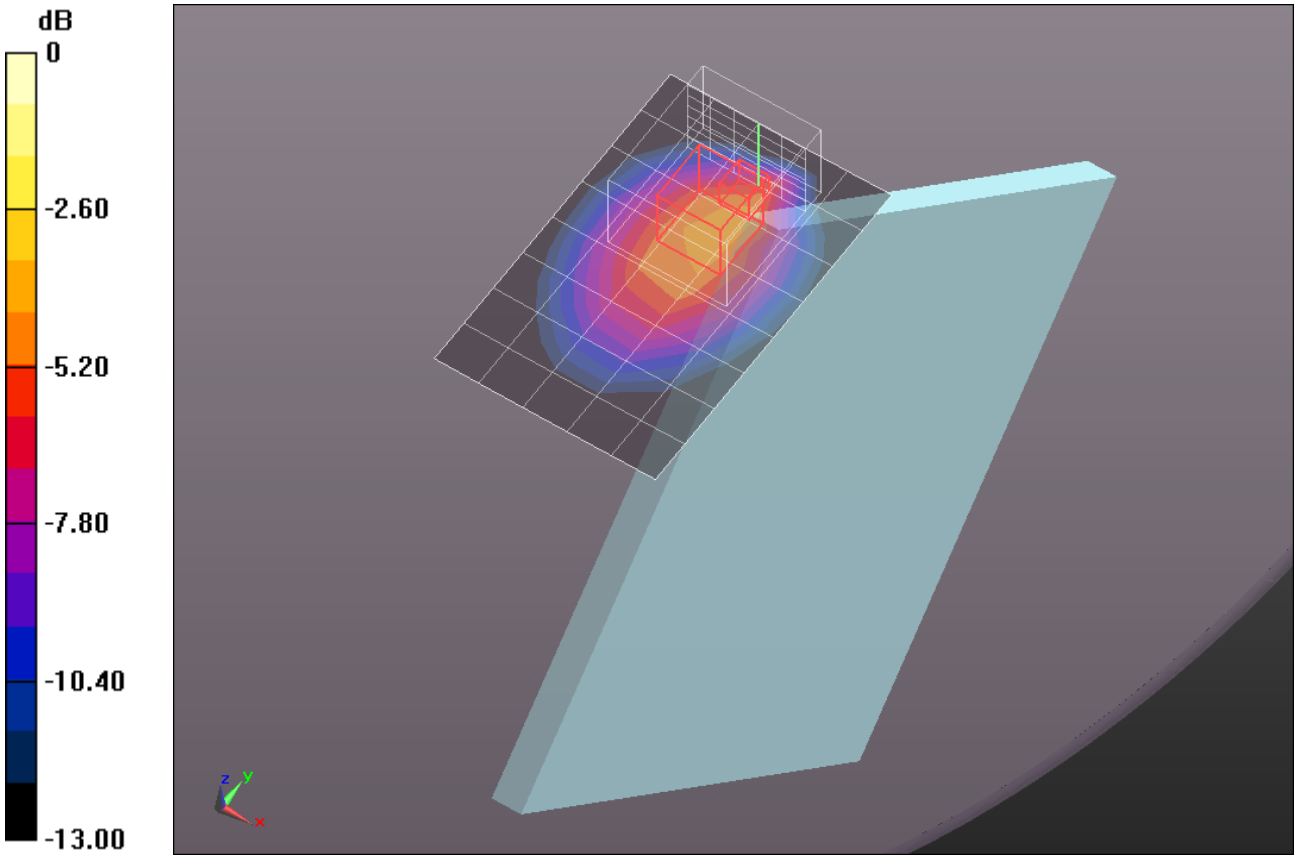
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.927 mho/m; ε_r = 54.453; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

27 deg Right Tilt @ Edge 1/QPSK_RB#50,0_Ch 23790/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.199 mW/g

27 deg Right Tilt @ Edge 1/QPSK_RB#50,0_Ch 23790/Zoom Scan (6x7x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.206 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.6910
SAR(1 g) = 0.208 mW/g; SAR(10 g) = 0.105 mW/g
Maximum value of SAR (measured) = 0.442 mW/g



0 dB = 0.440mW/g = -7.13 dB mW/g

Test Laboratory: Lab B Date: 9/19/2012

LTE Band 17

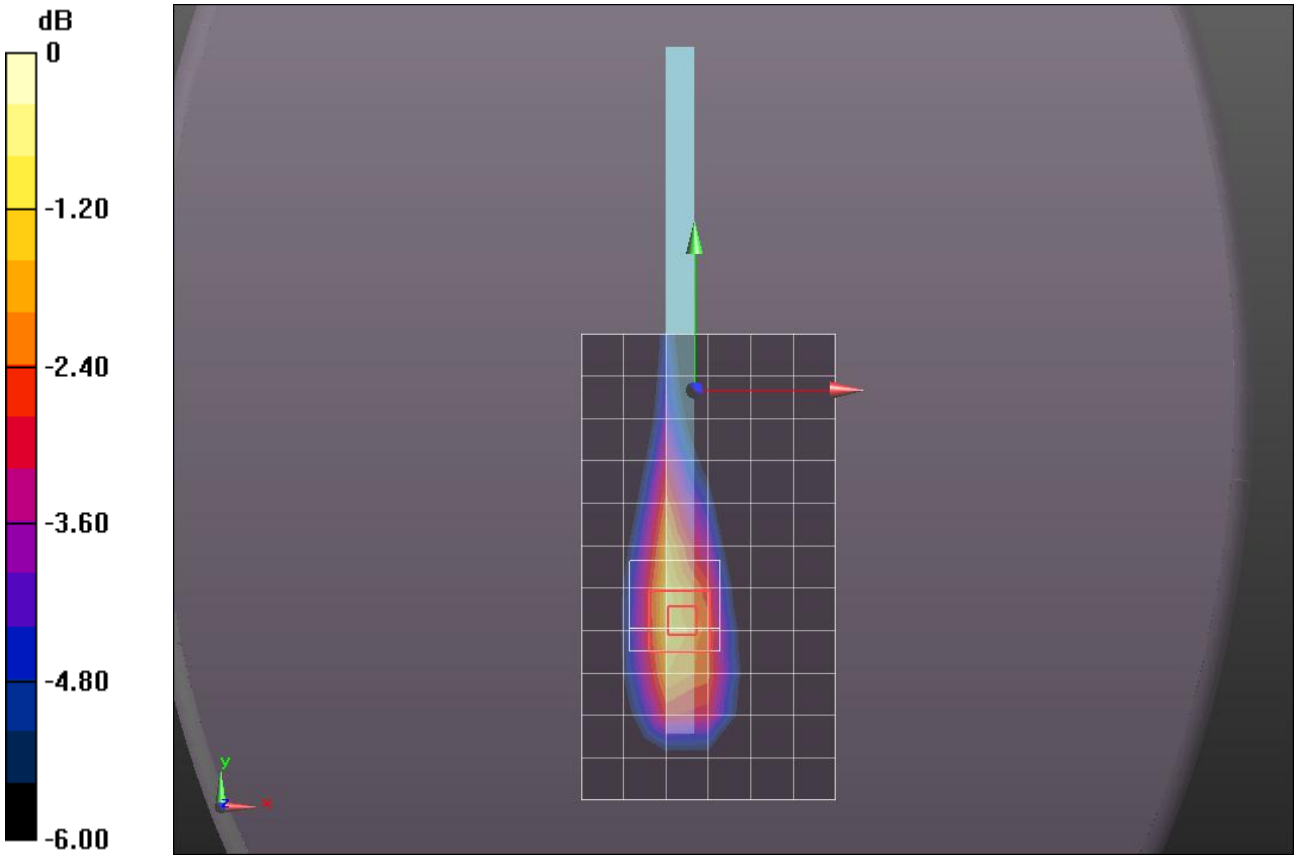
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.927 mho/m; ε_r = 54.453; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Edge 2/QPSK_RB#1,0_Ch 23790/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.187 mW/g

Edge 2/QPSK_RB#1,0_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.246 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.2980
SAR(1 g) = 0.165 mW/g; SAR(10 g) = 0.098 mW/g
Maximum value of SAR (measured) = 0.226 mW/g



0 dB = 0.230mW/g = -12.77 dB mW/g

Test Laboratory: Lab B Date: 9/19/2012

LTE Band 17

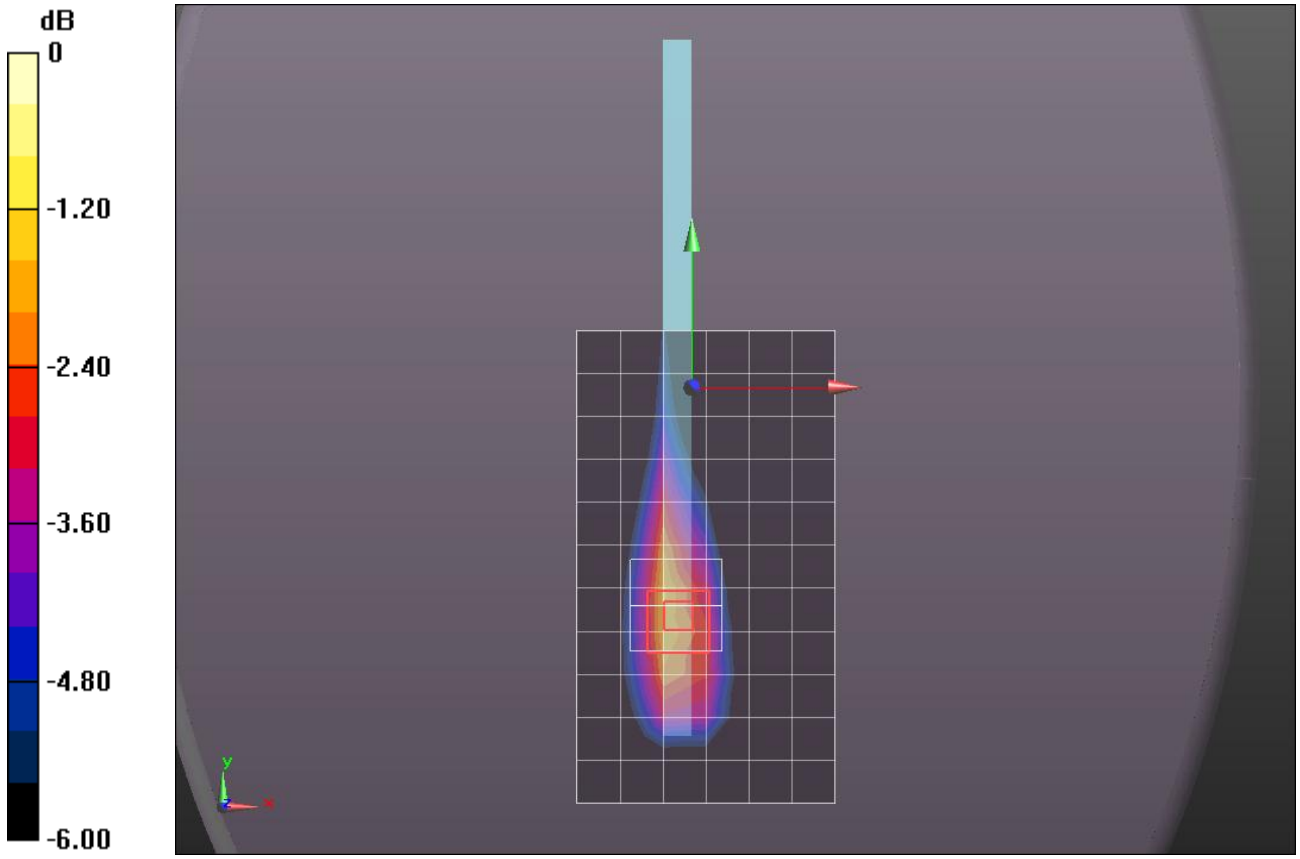
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.927 mho/m; ε_r = 54.453; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Edge 2/QPSK_RB#1,24_Ch 23790/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.221 mW/g

Edge 2/QPSK_RB#1,24_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.523 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.4100
SAR(1 g) = 0.203 mW/g; SAR(10 g) = 0.118 mW/g
Maximum value of SAR (measured) = 0.310 mW/g



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

Test Laboratory: Lab B Date: 9/19/2012

LTE Band 17

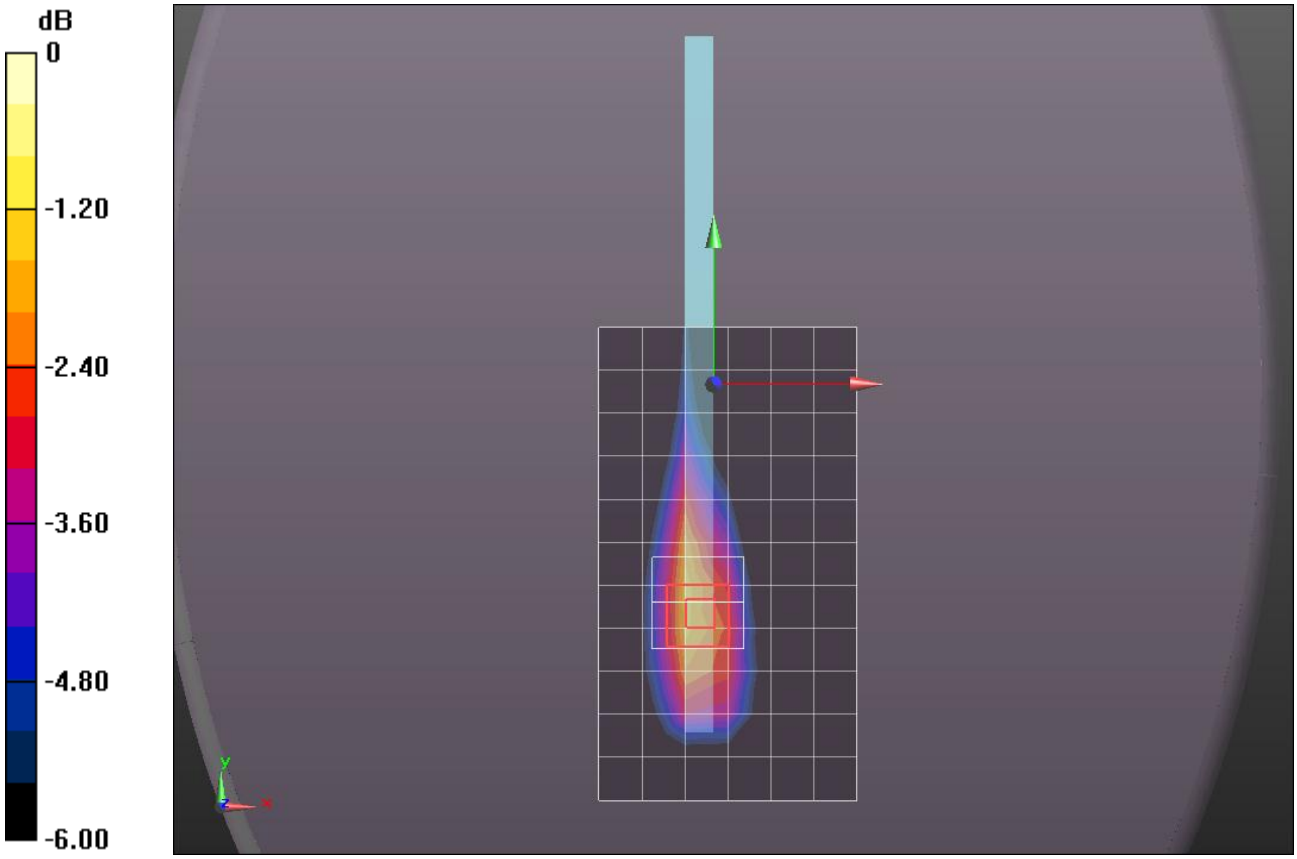
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.927 mho/m; ε_r = 54.453; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Edge 2/QPSK_RB#1,49_Ch 23790/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.295 mW/g

Edge 2/QPSK_RB#1,49_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.008 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.5270
SAR(1 g) = 0.267 mW/g; SAR(10 g) = 0.156 mW/g
Maximum value of SAR (measured) = 0.402 mW/g



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

Test Laboratory: Lab B Date: 9/19/2012

LTE Band 17

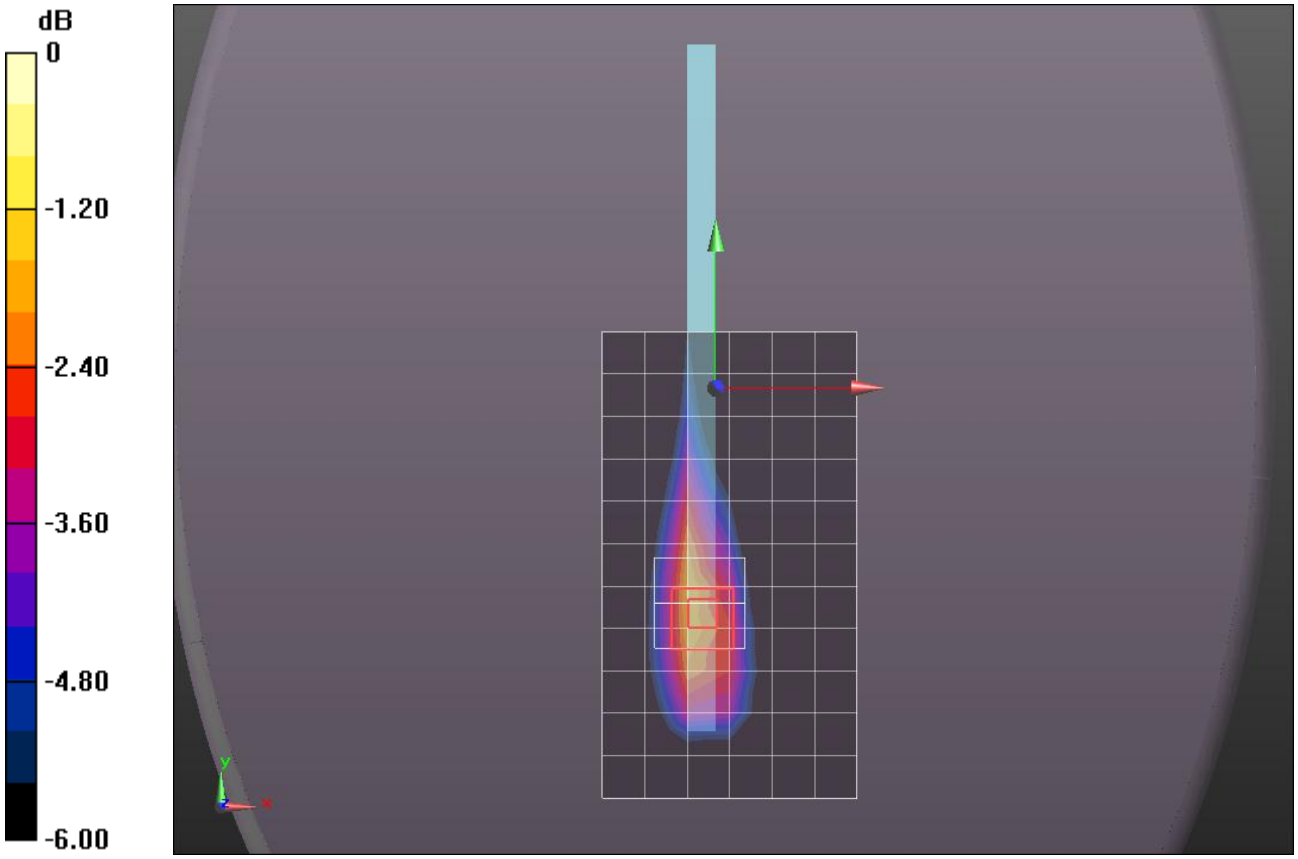
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.927 mho/m; ε_r = 54.453; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Edge 2/QPSK_RB#25,0_Ch 23790/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.163 mW/g

Edge 2/QPSK_RB#25,0_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.951 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.3010
SAR(1 g) = 0.149 mW/g; SAR(10 g) = 0.086 mW/g
Maximum value of SAR (measured) = 0.227 mW/g



0 dB = 0.230mW/g = -12.77 dB mW/g

Test Laboratory: Lab B Date: 9/19/2012

LTE Band 17

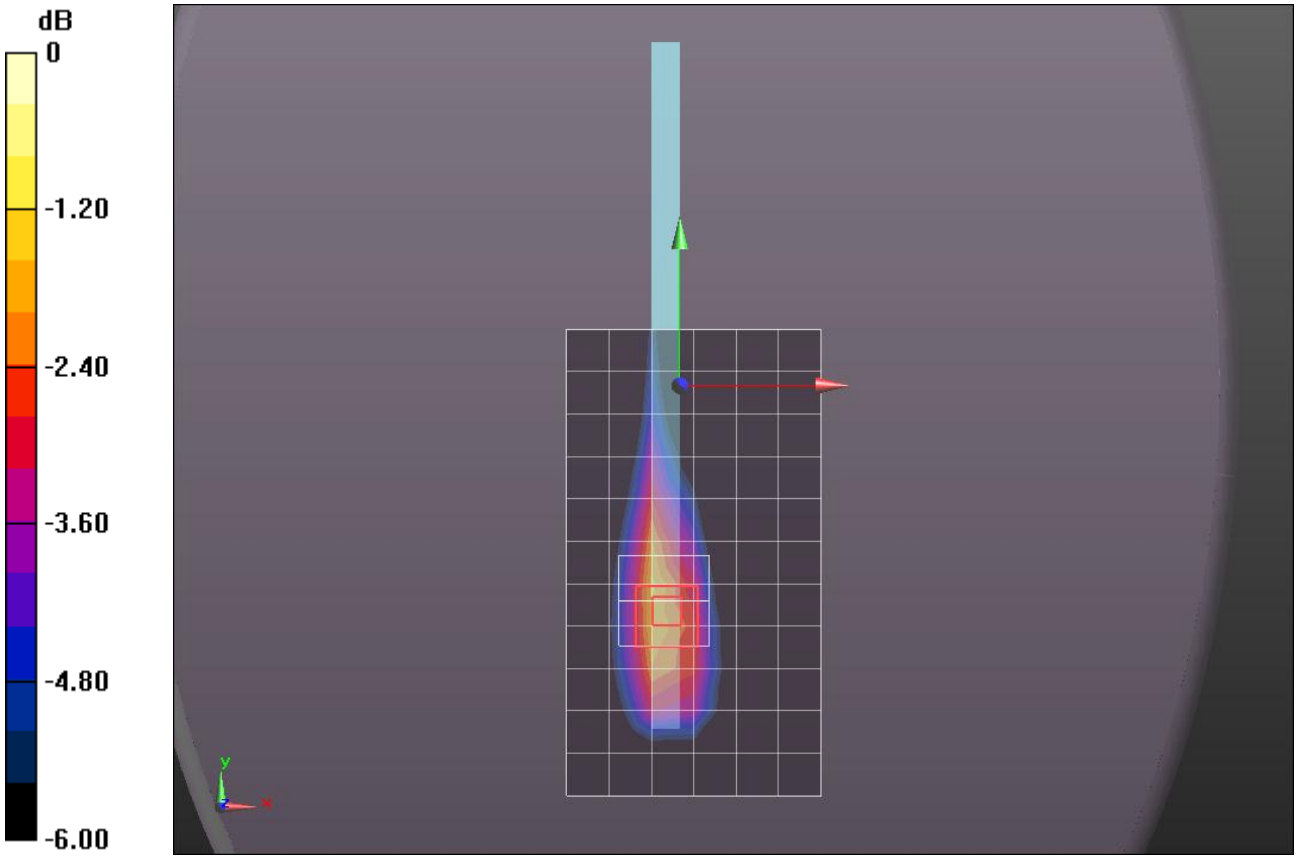
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.927 mho/m; ε_r = 54.453; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Edge 2/QPSK_RB#25,12_Ch 23790/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.186 mW/g

Edge 2/QPSK_RB#25,12_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.025 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.3440
SAR(1 g) = 0.172 mW/g; SAR(10 g) = 0.100 mW/g
Maximum value of SAR (measured) = 0.261 mW/g



0 dB = 0.260mW/g = -11.70 dB mW/g

Test Laboratory: Lab B Date: 9/19/2012

LTE Band 17

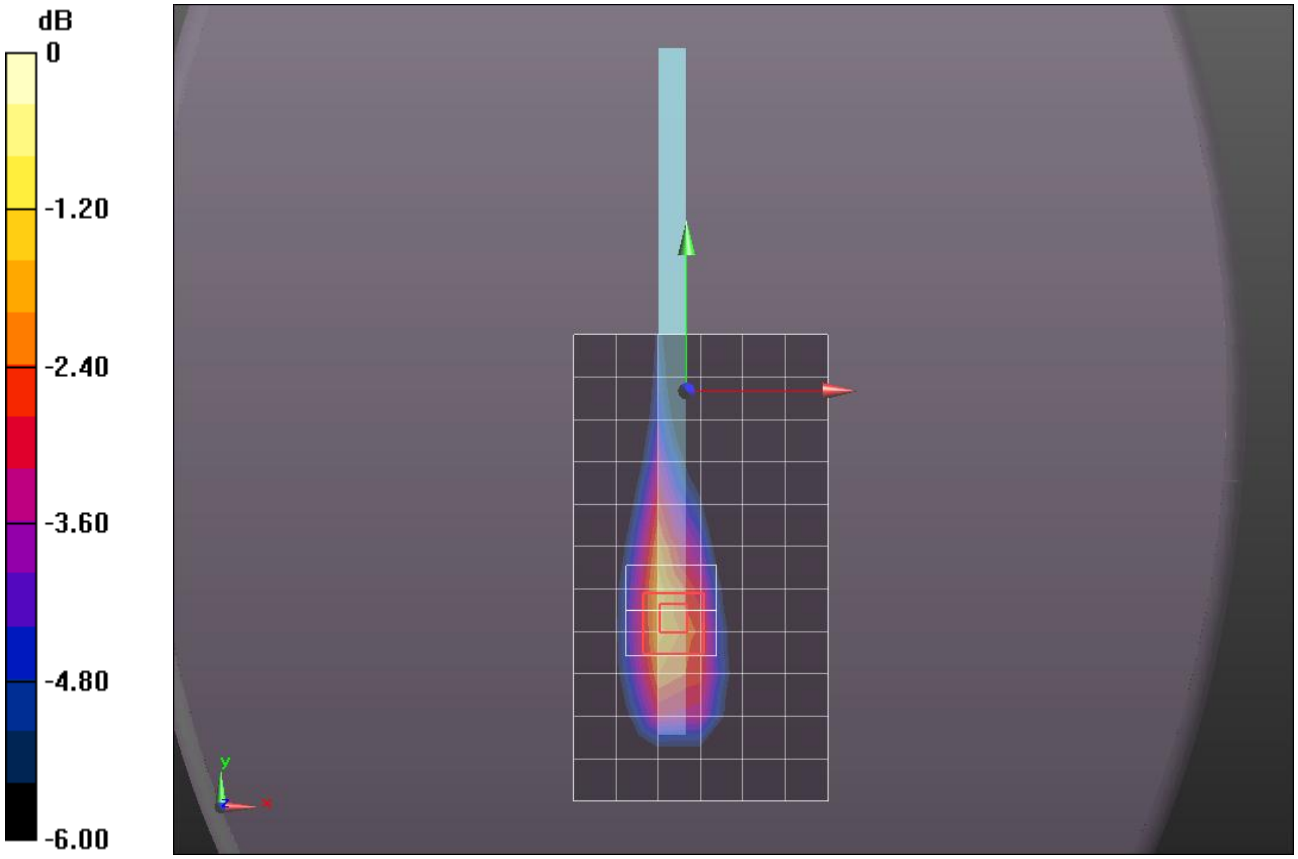
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.927 mho/m; ε_r = 54.453; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Edge 2/QPSK_RB#25,24_Ch 23790/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.220 mW/g

Edge 2/QPSK_RB#25,24_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.328 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.4020
SAR(1 g) = 0.201 mW/g; SAR(10 g) = 0.117 mW/g
Maximum value of SAR (measured) = 0.304 mW/g



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

Test Laboratory: Lab B Date: 9/19/2012

LTE Band 17

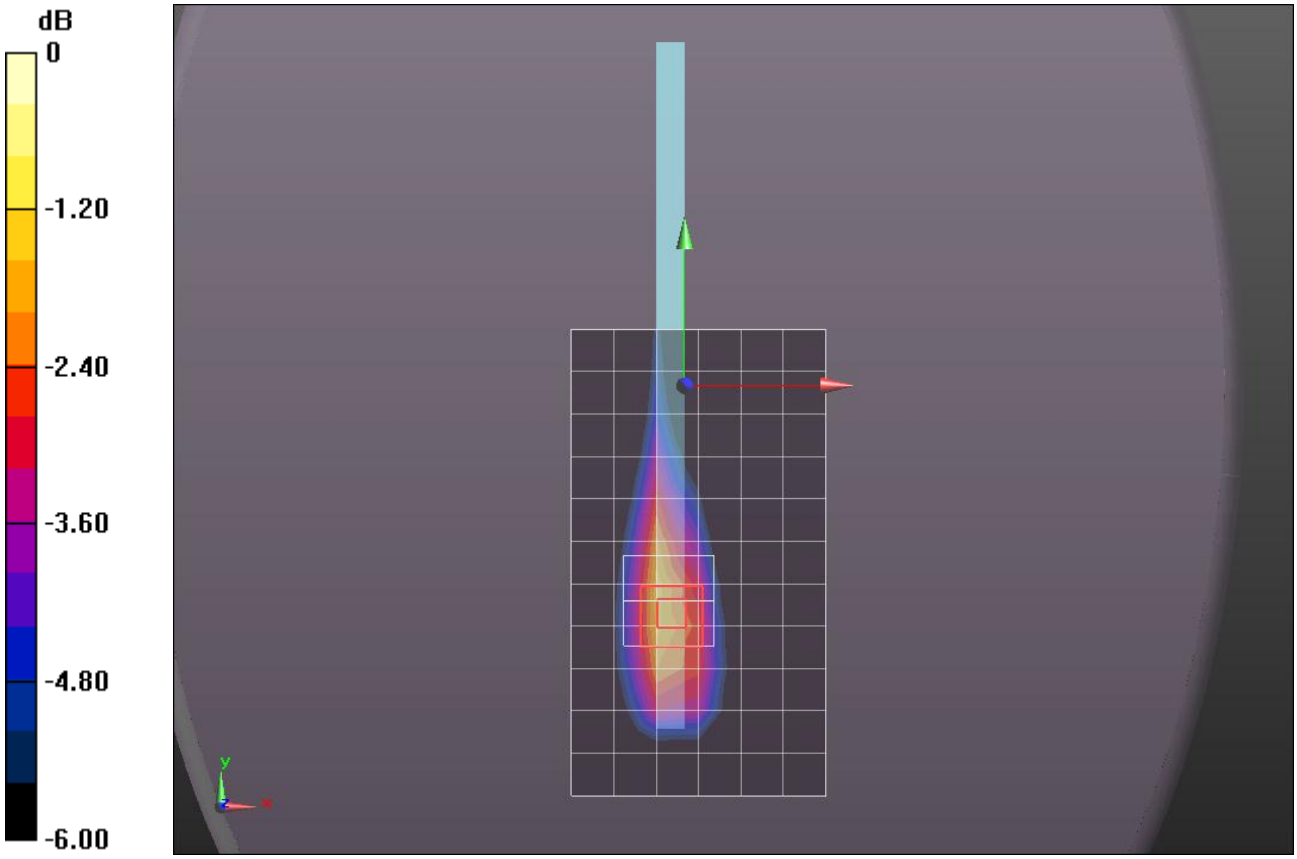
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.927 mho/m; ε_r = 54.453; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1264; Calibrated: 3/5/2012
- Probe: EX3DV4 - SN3720; ConvF(8.64, 8.64, 8.64); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

Edge 2/QPSK_RB#50,0_Ch 23790/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.190 mW/g

Edge 2/QPSK_RB#50,0_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.184 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.3470
SAR(1 g) = 0.175 mW/g; SAR(10 g) = 0.102 mW/g
Maximum value of SAR (measured) = 0.263 mW/g



0 dB = 0.260mW/g = -11.70 dB mW/g