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

LTE Band 4

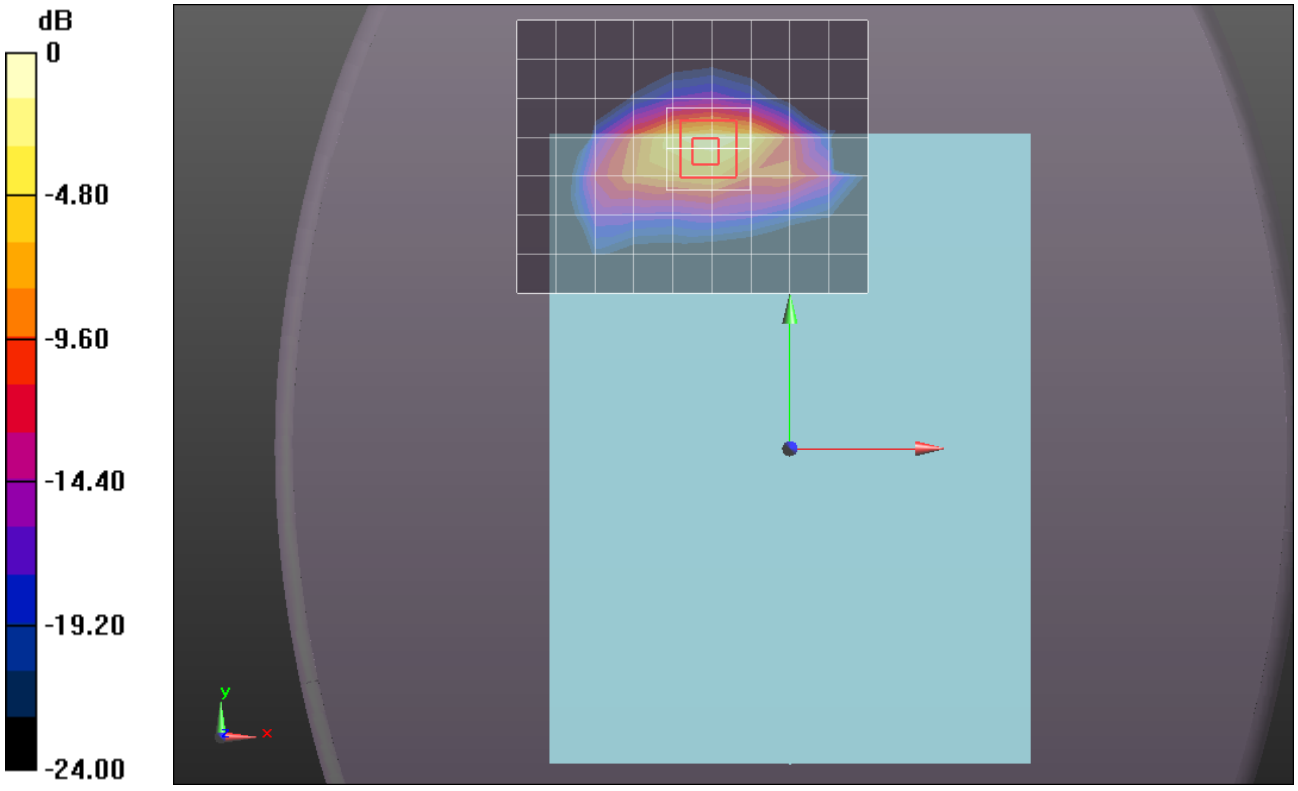
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.476 mho/m; ε_r = 52.044; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1135

Rear/QPSK_RB#1,0_Ch 20175/Area Scan (10x8x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.557 mW/g

Rear/QPSK_RB#1,0_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.335 V/m; Power Drift = 0.0093 dB
Peak SAR (extrapolated) = 1.0400
SAR(1 g) = 0.554 mW/g; SAR(10 g) = 0.262 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.829 mW/g



0 dB = 0.830mW/g = -1.62 dB mW/g

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

LTE Band 4

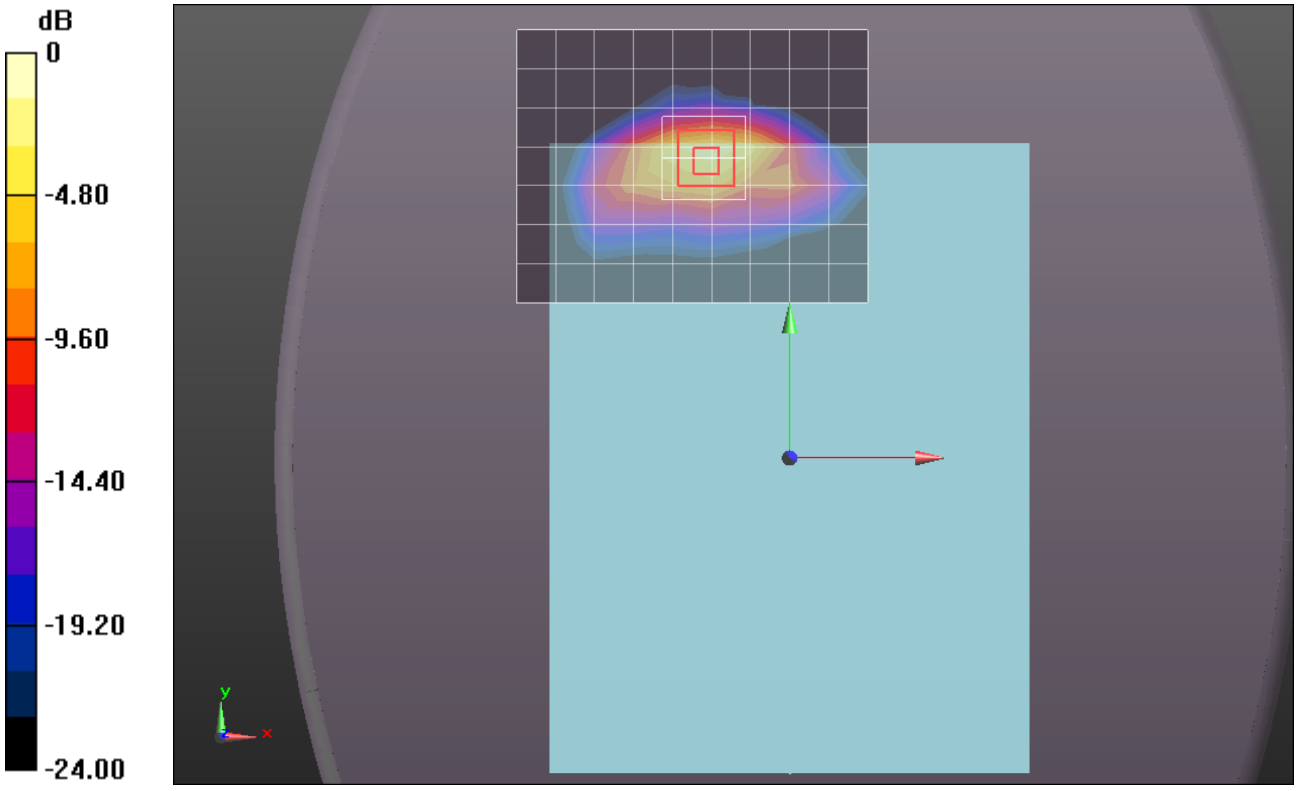
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.476 mho/m; ε_r = 52.044; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

Rear/QPSK_RB#1,49_Ch 20175/Area Scan (10x8x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.518 mW/g

Rear/QPSK_RB#1,49_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.605 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.9870
SAR(1 g) = 0.525 mW/g; SAR(10 g) = 0.248 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.780 mW/g



0 dB = 0.780mW/g = -2.16 dB mW/g

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

LTE Band 4

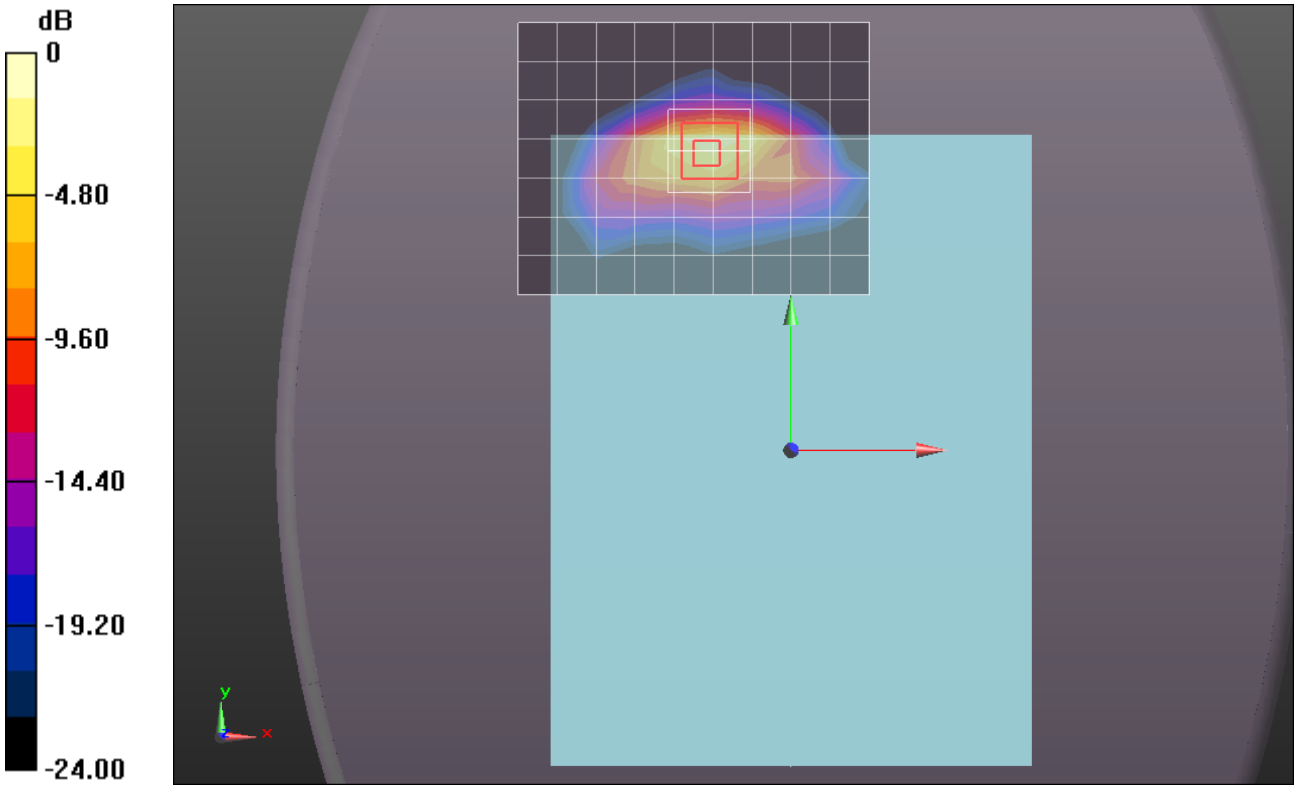
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.476 mho/m; ε_r = 52.044; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

Rear/QPSK_RB#1,99_Ch 20175/Area Scan (10x8x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.767 mW/g

Rear/QPSK_RB#1,99_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.768 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.4810
SAR(1 g) = 0.785 mW/g; SAR(10 g) = 0.371 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.181 mW/g



0 dB = 1.180mW/g = 1.44 dB mW/g

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

LTE Band 4

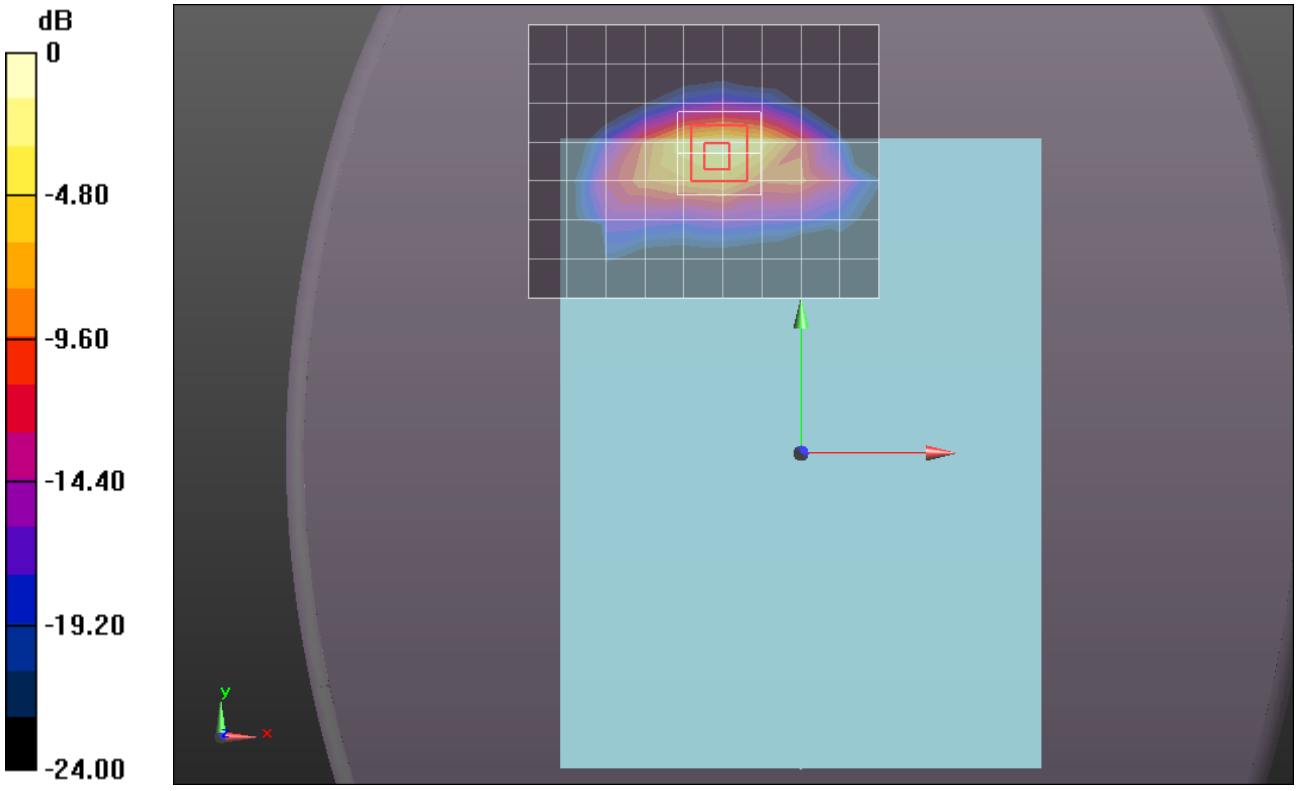
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.476 mho/m; ε_r = 52.044; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

Rear/QPSK_RB#50,0_Ch 20175/Area Scan (10x8x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.510 mW/g

Rear/QPSK_RB#50,0_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.117 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.9780
SAR(1 g) = 0.518 mW/g; SAR(10 g) = 0.244 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.778 mW/g



0 dB = 0.780mW/g = -2.16 dB mW/g

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

LTE Band 4

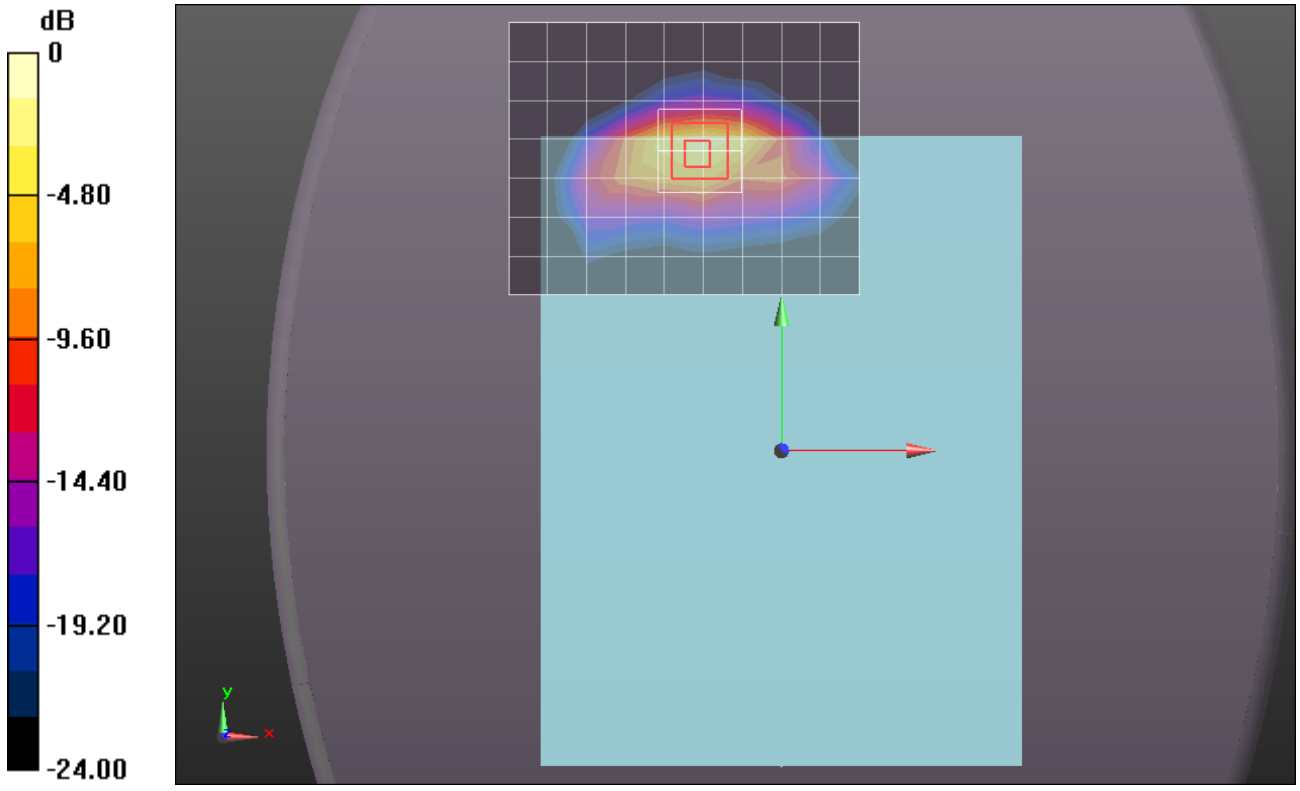
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.476 mho/m; ε_r = 52.044; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

Rear/QPSK_RB#50,24_Ch 20175/Area Scan (10x8x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.567 mW/g

Rear/QPSK_RB#50,24_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.515 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.0830
SAR(1 g) = 0.569 mW/g; SAR(10 g) = 0.267 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.865 mW/g



0 dB = 0.860mW/g = -1.31 dB mW/g

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

LTE Band 4

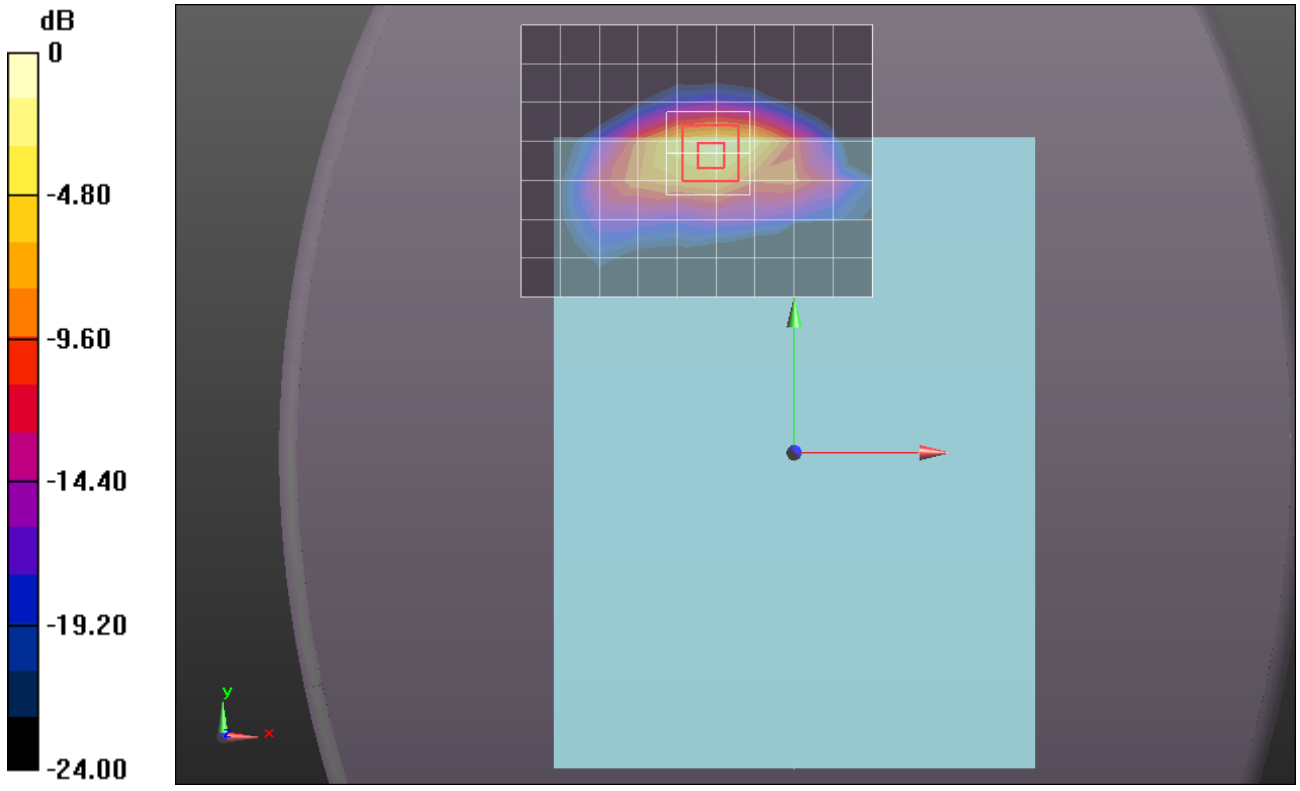
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.476 mho/m; ε_r = 52.044; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

Rear/QPSK_RB#50,49_Ch 20175/Area Scan (10x8x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.628 mW/g

Rear/QPSK_RB#50,49_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.208 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.2170
SAR(1 g) = 0.647 mW/g; SAR(10 g) = 0.307 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.957 mW/g



0 dB = 0.960mW/g = -0.35 dB mW/g

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

LTE Band 4

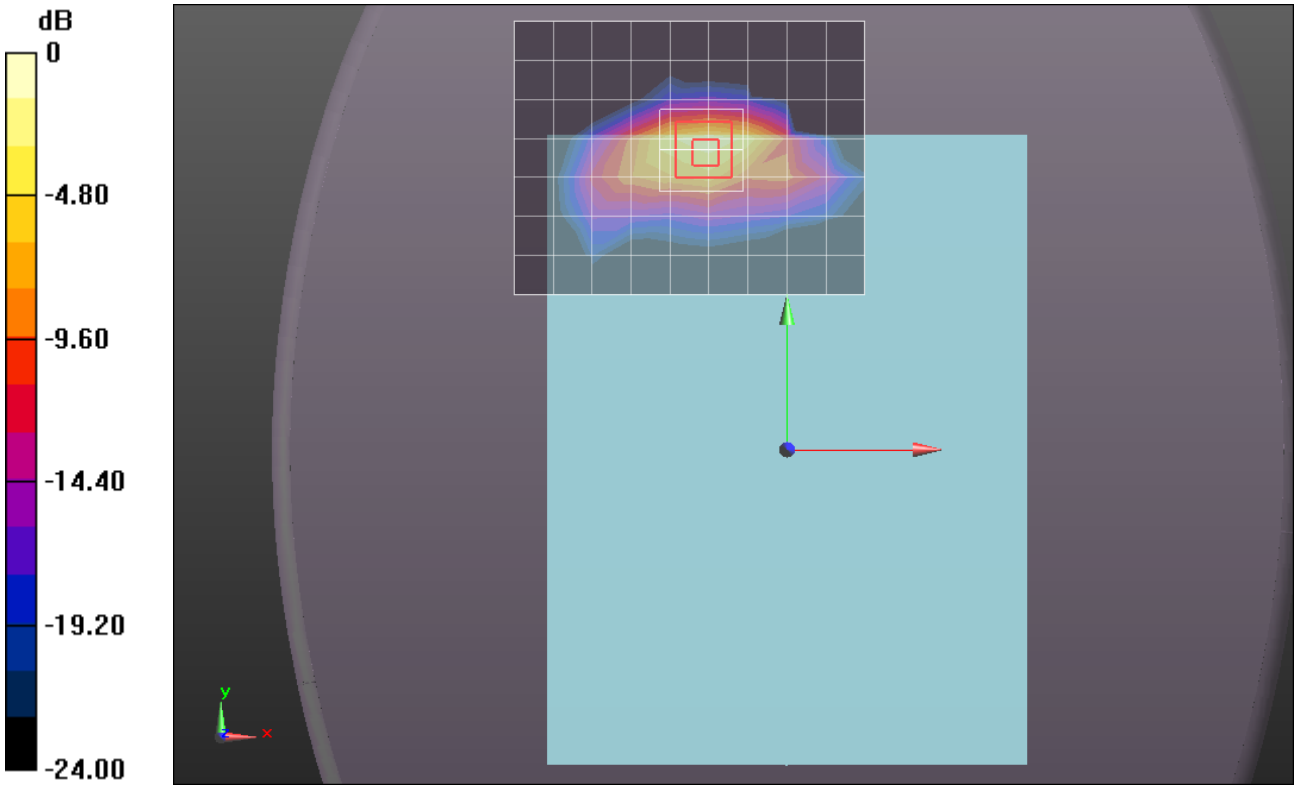
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.476 mho/m; ε_r = 52.044; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

Rear/QPSK_RB#100,0_Ch 20175/Area Scan (10x8x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.583 mW/g

Rear/QPSK_RB#100,0_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.051 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.1120
SAR(1 g) = 0.591 mW/g; SAR(10 g) = 0.281 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.876 mW/g



0 dB = 0.880mW/g = -1.11 dB mW/g

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

LTE Band 4

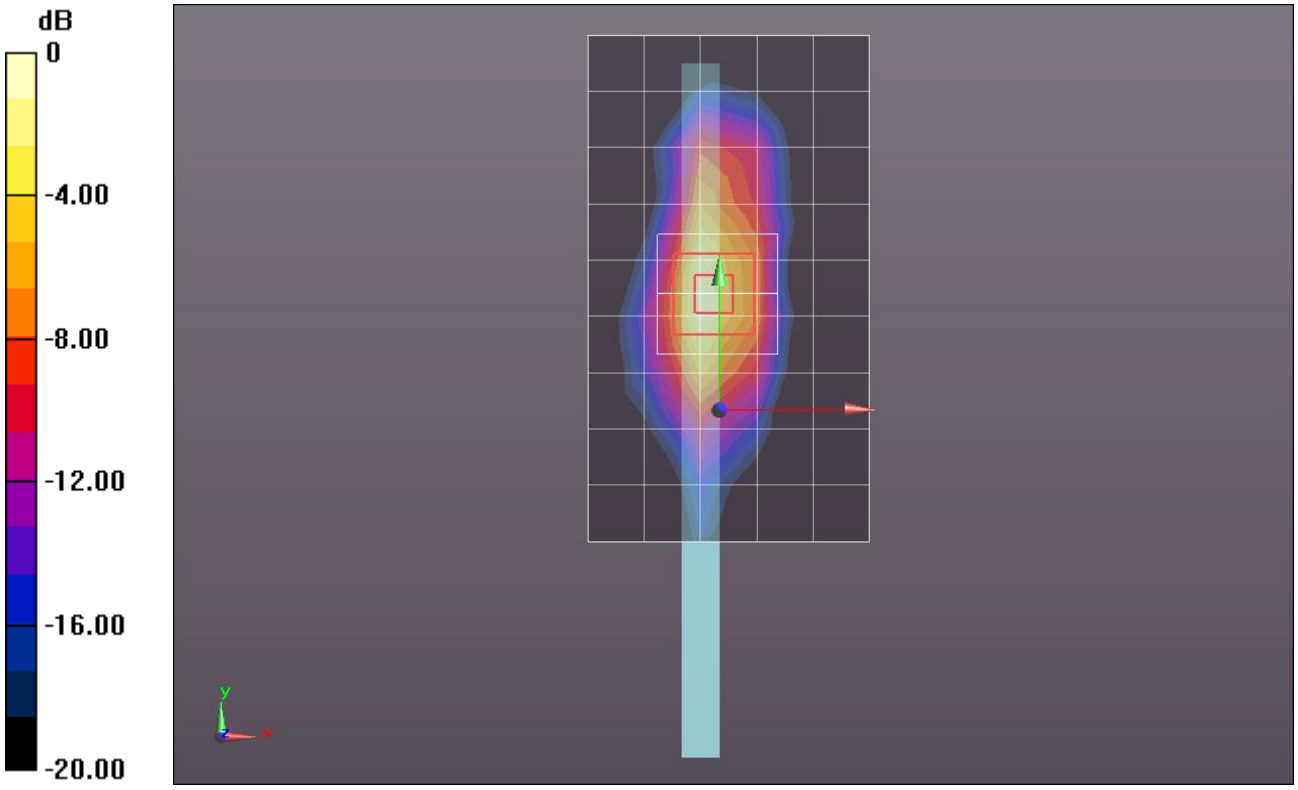
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.476 mho/m; ε_r = 52.044; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1135

Edge 1/QPSK_RB#1,0_Ch 20175/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.703 mW/g

Edge 1/QPSK_RB#1,0_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.457 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 1.0980
SAR(1 g) = 0.580 mW/g; SAR(10 g) = 0.277 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.871 mW/g



0 dB = 0.870mW/g = -1.21 dB mW/g

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

LTE Band 4

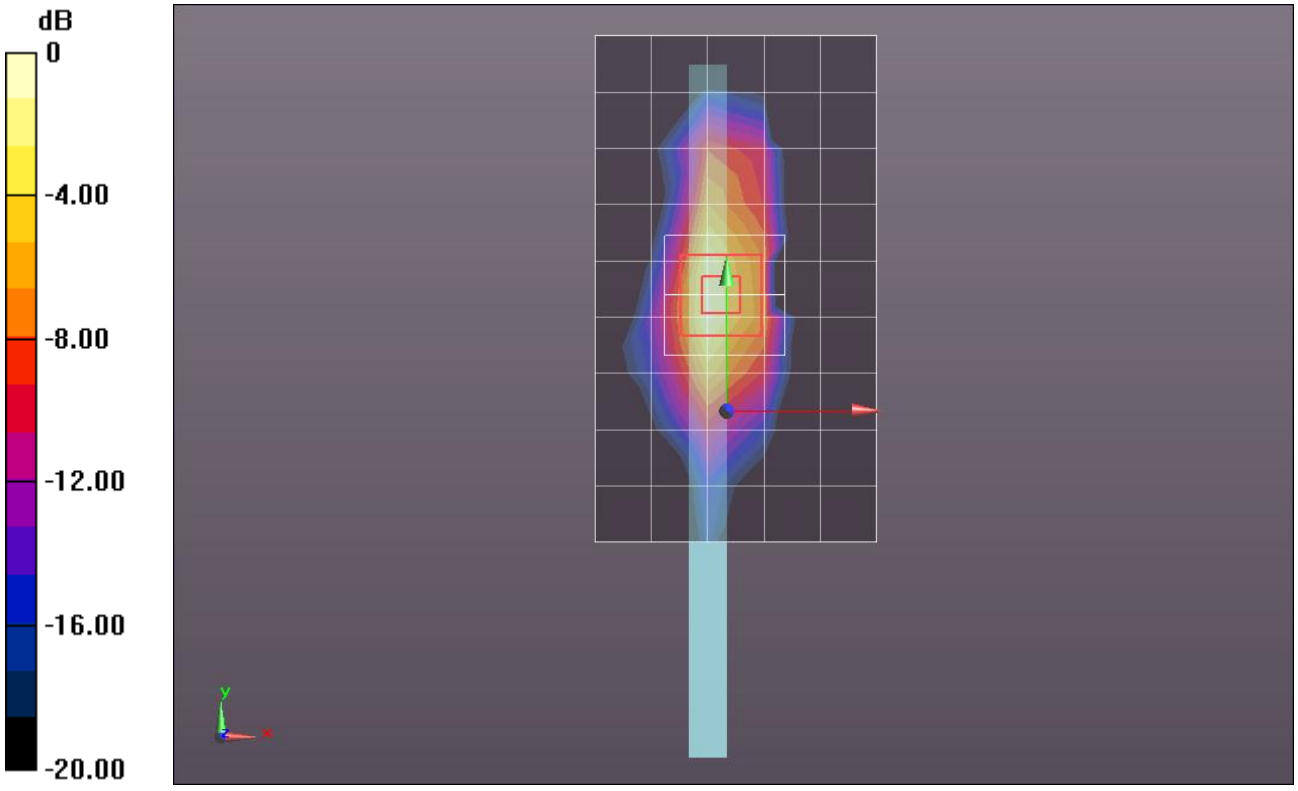
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.476 mho/m; ε_r = 52.044; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

Edge 1/QPSK_RB#1,49_Ch 20175/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.587 mW/g

Edge 1/QPSK_RB#1,49_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.441 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.9170
SAR(1 g) = 0.484 mW/g; SAR(10 g) = 0.234 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.718 mW/g



0 dB = 0.720mW/g = -2.85 dB mW/g

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

LTE Band 4

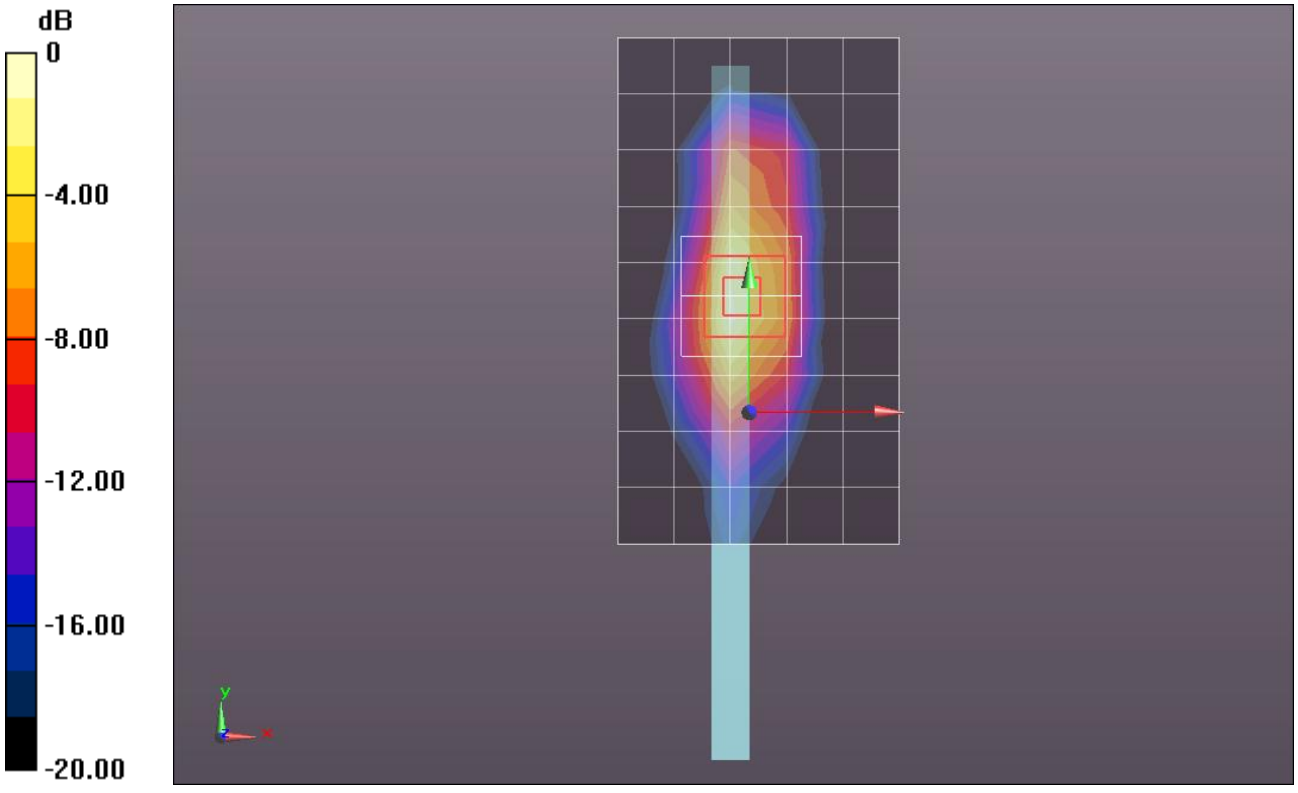
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.476 mho/m; ε_r = 52.044; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

Edge 1/QPSK_RB#1,99_Ch 20175/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.857 mW/g

Edge 1/QPSK_RB#1,99_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.876 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.2840
SAR(1 g) = 0.693 mW/g; SAR(10 g) = 0.335 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.026 mW/g



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

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

LTE Band 4

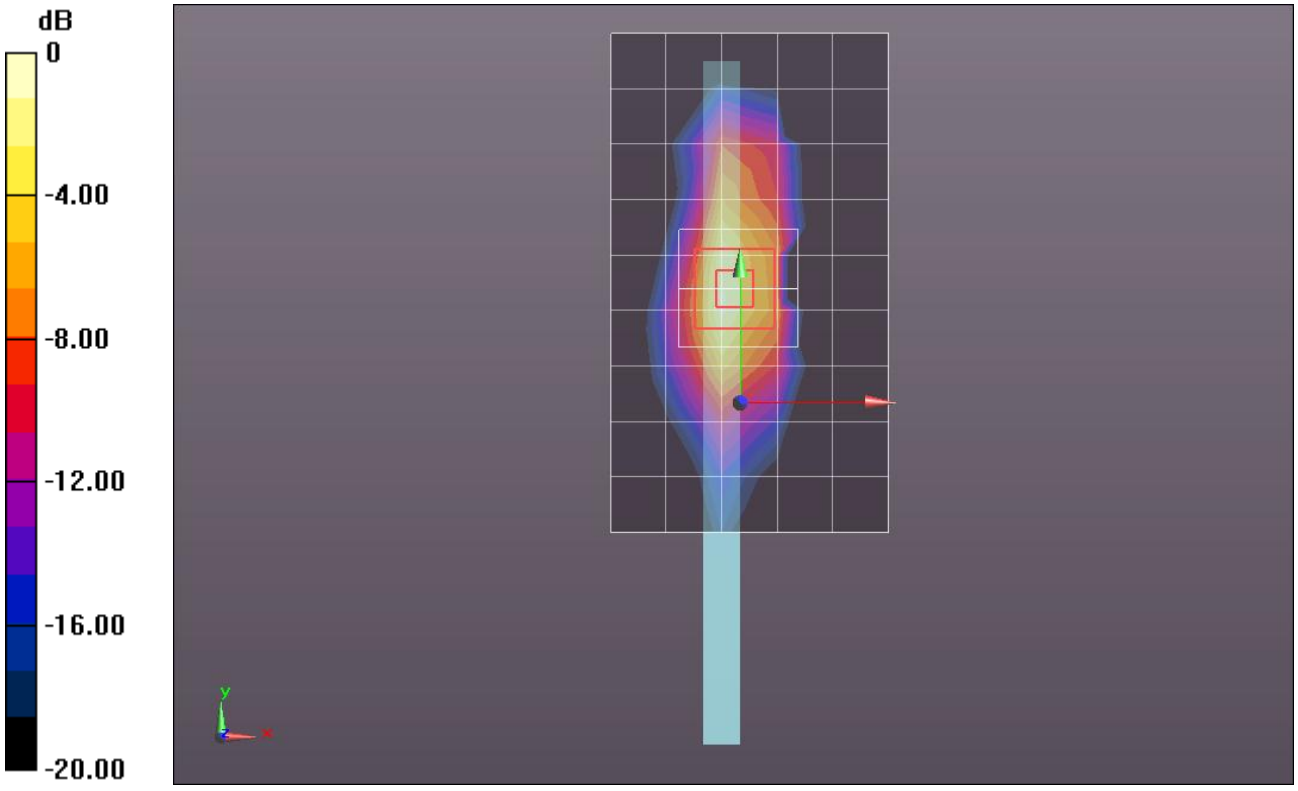
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.476 mho/m; ε_r = 52.044; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

Edge 1/QPSK_RB#50,0_Ch 20175/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.623 mW/g

Edge 1/QPSK_RB#50,0_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.349 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.9570
SAR(1 g) = 0.510 mW/g; SAR(10 g) = 0.246 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.753 mW/g



0 dB = 0.750mW/g = -2.50 dB mW/g

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

LTE Band 4

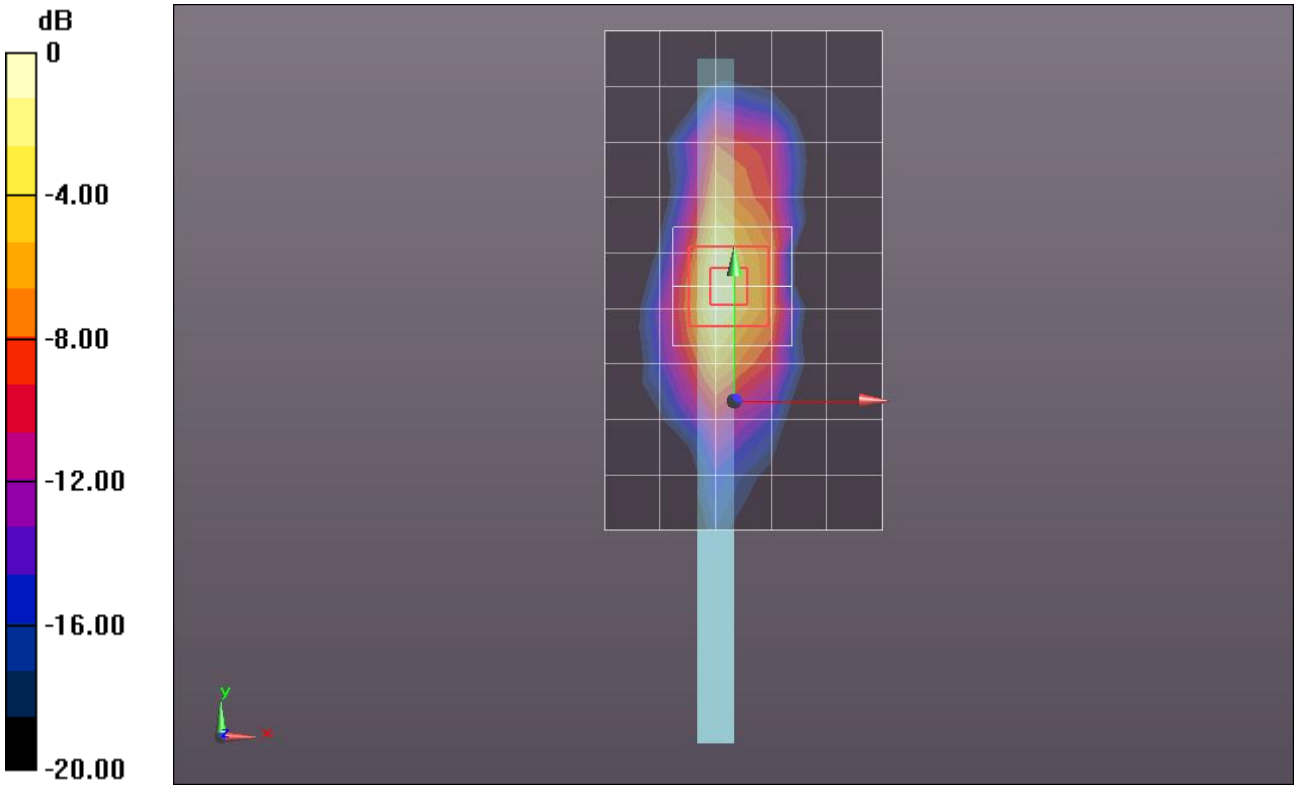
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.476 mho/m; ε_r = 52.044; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

Edge 1/QPSK_RB#50,24_Ch 20175/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.620 mW/g

Edge 1/QPSK_RB#50,24_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.223 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.9690
SAR(1 g) = 0.516 mW/g; SAR(10 g) = 0.248 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.761 mW/g



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

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

LTE Band 4

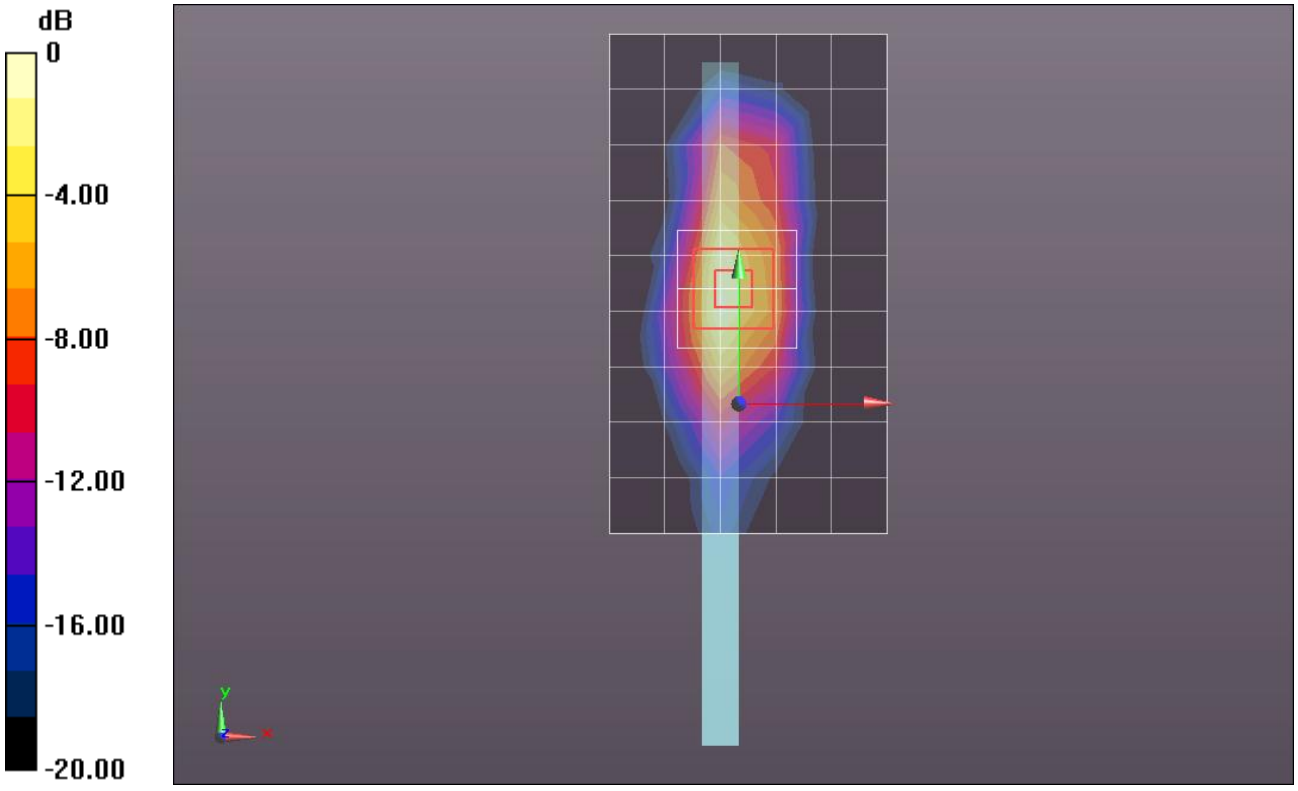
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.476 mho/m; ε_r = 52.044; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

Edge 1/QPSK_RB#50,49_Ch 20175/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.713 mW/g

Edge 1/QPSK_RB#50,49_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.798 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.0970
SAR(1 g) = 0.586 mW/g; SAR(10 g) = 0.282 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.868 mW/g



0 dB = 0.870mW/g = -1.21 dB mW/g

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

LTE Band 4

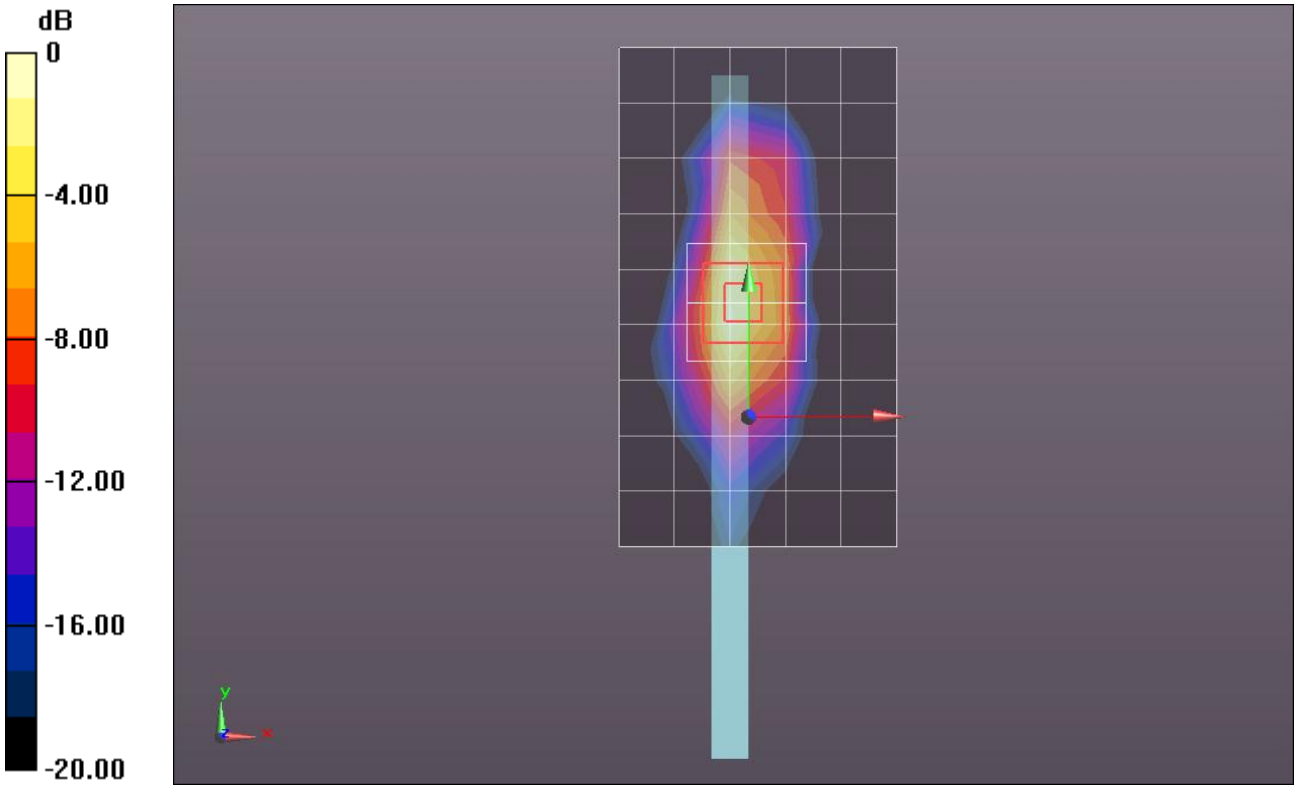
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.476 mho/m; ε_r = 52.044; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

Edge 1/QPSK_RB#100,0_Ch 20175/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.688 mW/g

Edge 1/QPSK_RB#100,0_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.264 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.0630
SAR(1 g) = 0.565 mW/g; SAR(10 g) = 0.271 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.837 mW/g



0 dB = 0.840mW/g = -1.51 dB mW/g

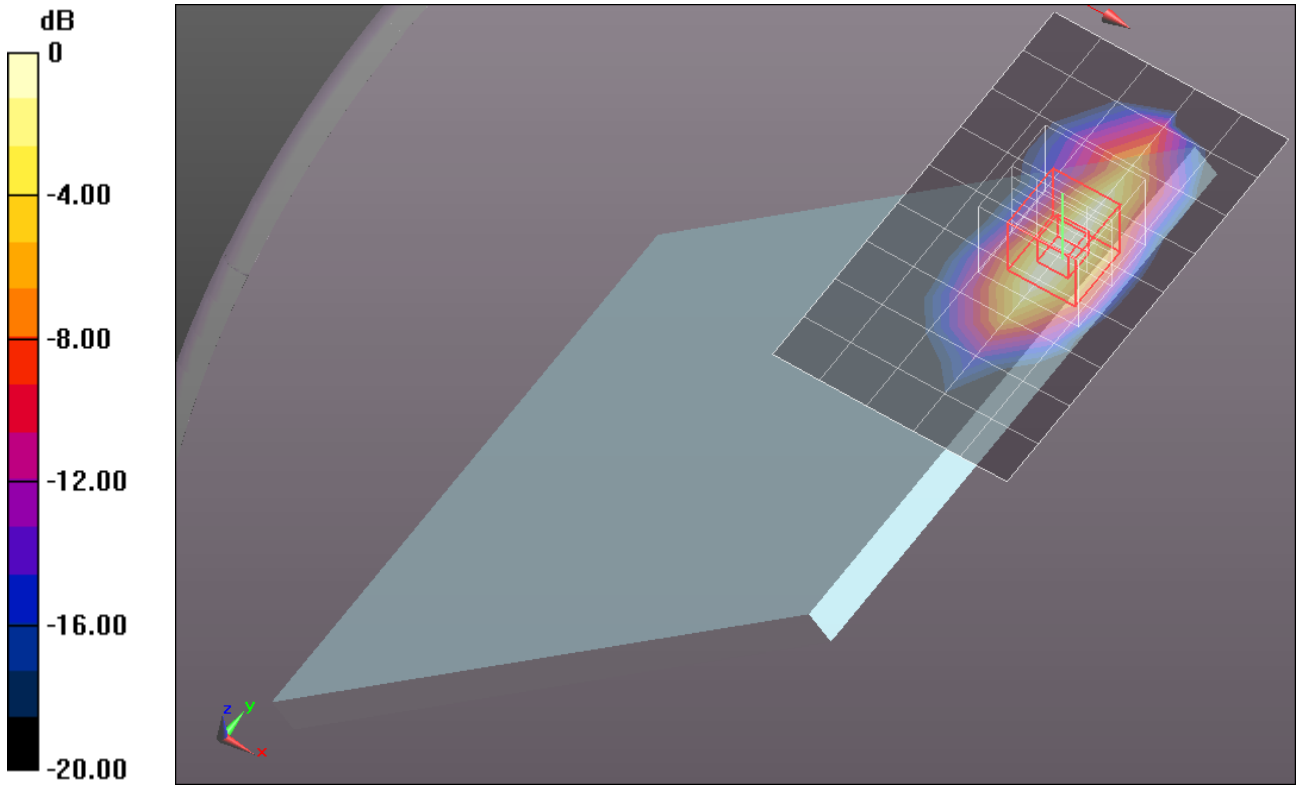
Test Laboratory: Lab D Date: 9/18/2012

LTE Band 4

Frequency: 1720 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1720 MHz; σ = 1.465 mho/m; ε_r = 52.087; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

41 deg Tilt @ Edge 1/QPSK_RB#1,0_Ch 20050/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.235 mW/g

41 deg Tilt @ Edge 1/QPSK_RB#1,0_Ch 20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32.880 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 2.0560
SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.509 mW/g
Maximum value of SAR (measured) = 1.629 mW/g



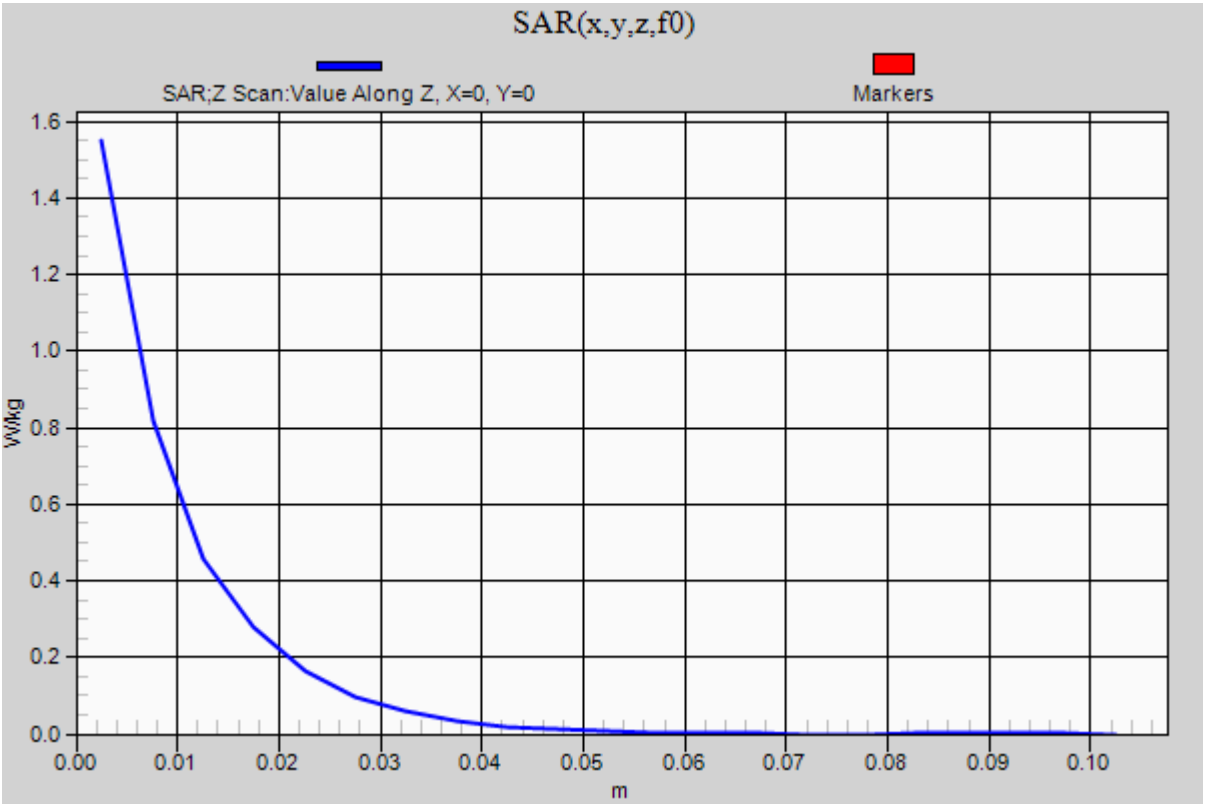
0 dB = 1.630mW/g = 4.24 dB mW/g

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

LTE Band 4

Frequency: 1720 MHz; Duty Cycle: 1:1

41 deg Tilt @ Edge 1/QPSK_RB#1,0_Ch 20050/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 1.55 W/kg



Test Laboratory: Lab D Date: 9/20/2012

LTE Band 4

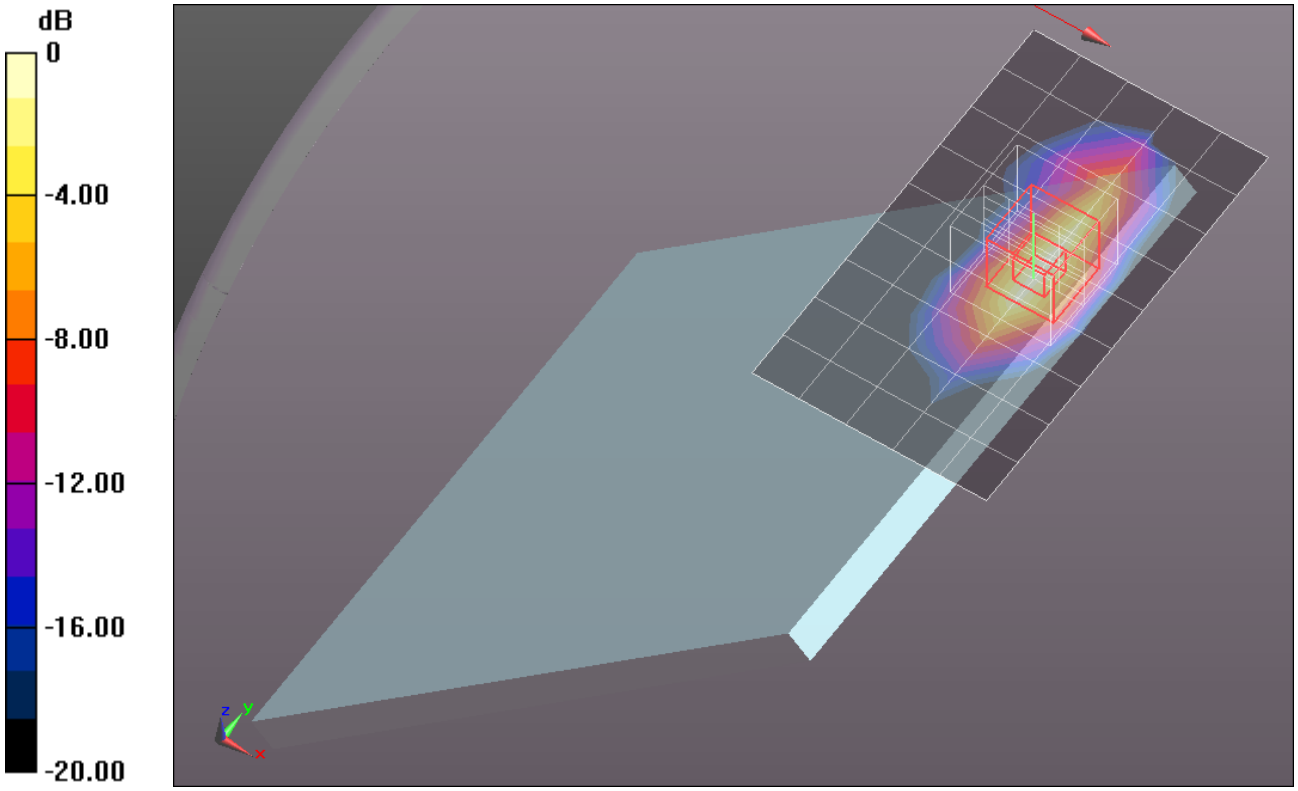
Frequency: 1720 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1720 MHz; σ = 1.445 mho/m; ε_r = 52.919; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

41 deg Tilt @ Edge 1/QPSK_RB#50,24_Ch 20050/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.499 mW/g

41 deg Tilt @ Edge 1/QPSK_RB#50,24_Ch 20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.333 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 1.8830
SAR(1 g) = 0.957 mW/g; SAR(10 g) = 0.446 mW/g
Maximum value of SAR (measured) = 1.475 mW/g



0 dB = 1.480mW/g = 3.41 dB mW/g

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

LTE Band 4

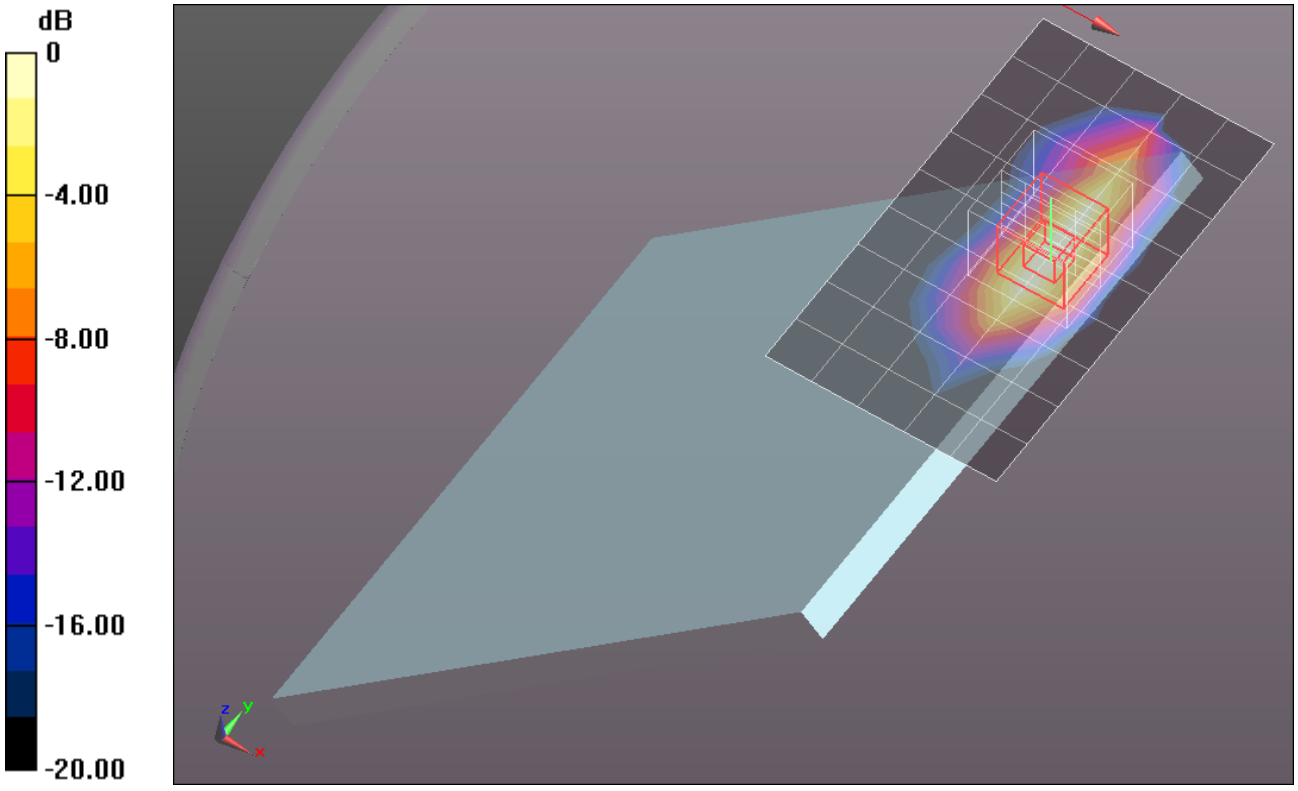
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.476 mho/m; ε_r = 52.044; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

41 deg Tilt @ Edge 1/QPSK_RB#1,0_Ch 20175/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.620 mW/g

41 deg Tilt @ Edge 1/QPSK_RB#1,0_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.971 V/m; Power Drift = 0.0076 dB
Peak SAR (extrapolated) = 1.5240
SAR(1 g) = 0.788 mW/g; SAR(10 g) = 0.369 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.207 mW/g



0 dB = 1.210mW/g = 1.66 dB mW/g

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

LTE Band 4

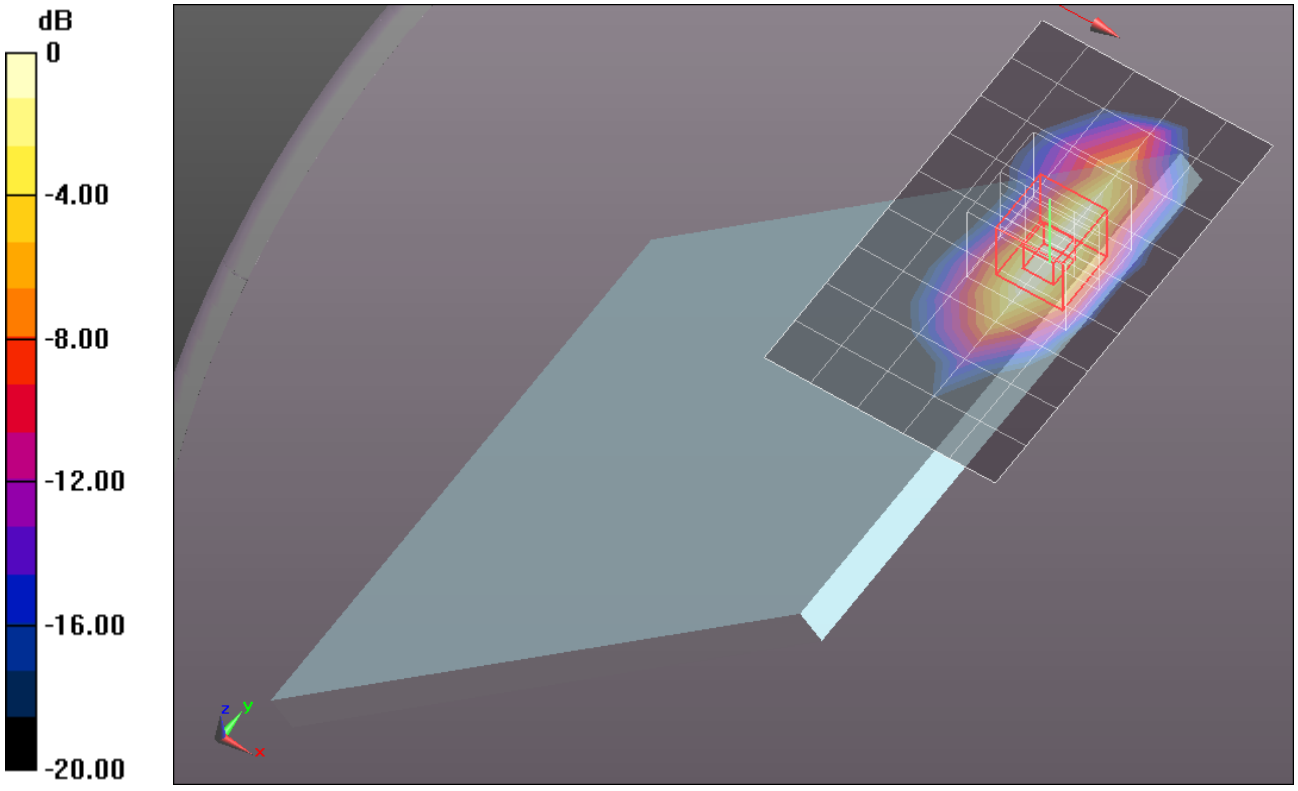
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.476 mho/m; ε_r = 52.044; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

41 deg Tilt @ Edge 1/QPSK_RB#1,49_Ch 20175/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.342 mW/g

41 deg Tilt @ Edge 1/QPSK_RB#1,49_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.067 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.2370
SAR(1 g) = 0.646 mW/g; SAR(10 g) = 0.302 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.984 mW/g



0 dB = 0.980mW/g = -0.18 dB mW/g

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

LTE Band 4

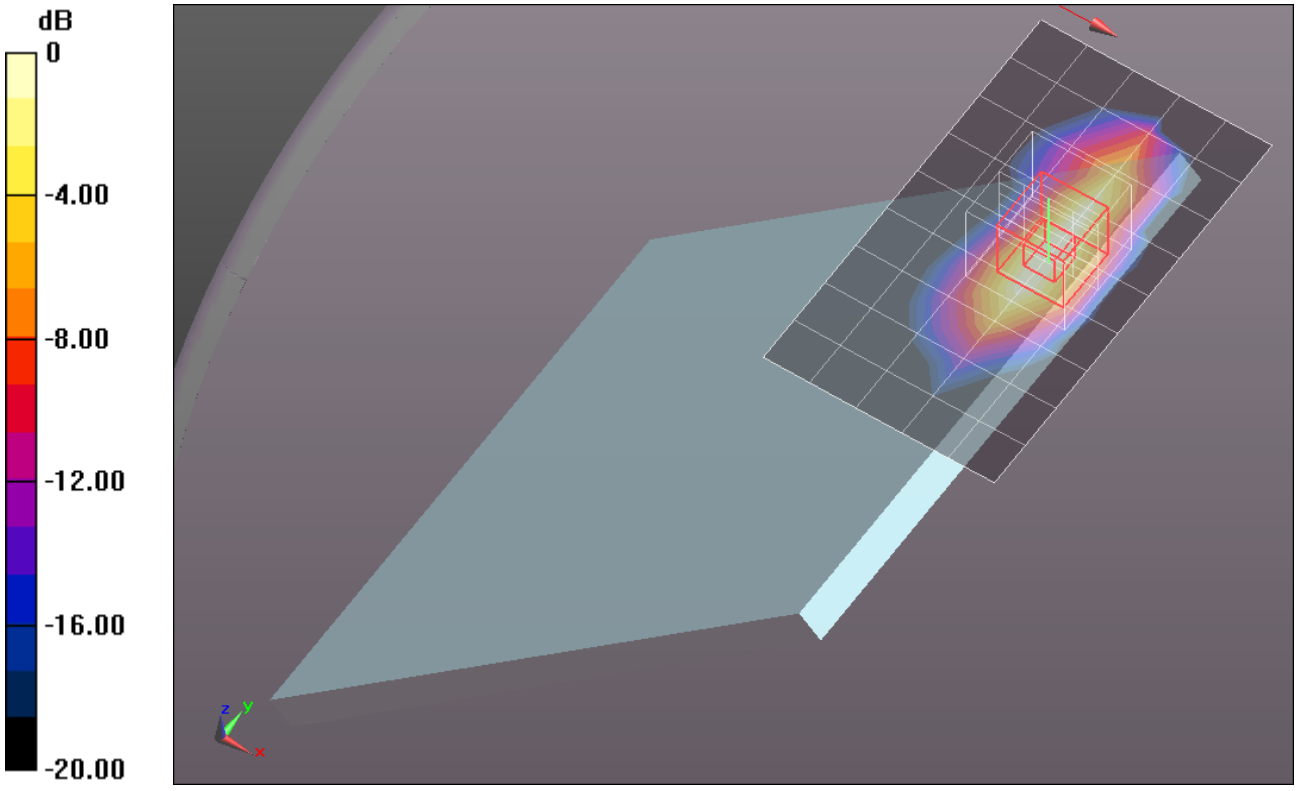
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.476 mho/m; ε_r = 52.044; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

41 deg Tilt @ Edge 1/QPSK_RB#1,99_Ch 20175/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.743 mW/g

41 deg Tilt @ Edge 1/QPSK_RB#1,99_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.907 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.6010
SAR(1 g) = 0.831 mW/g; SAR(10 g) = 0.389 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.263 mW/g



0 dB = 1.260mW/g = 2.01 dB mW/g

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

LTE Band 4

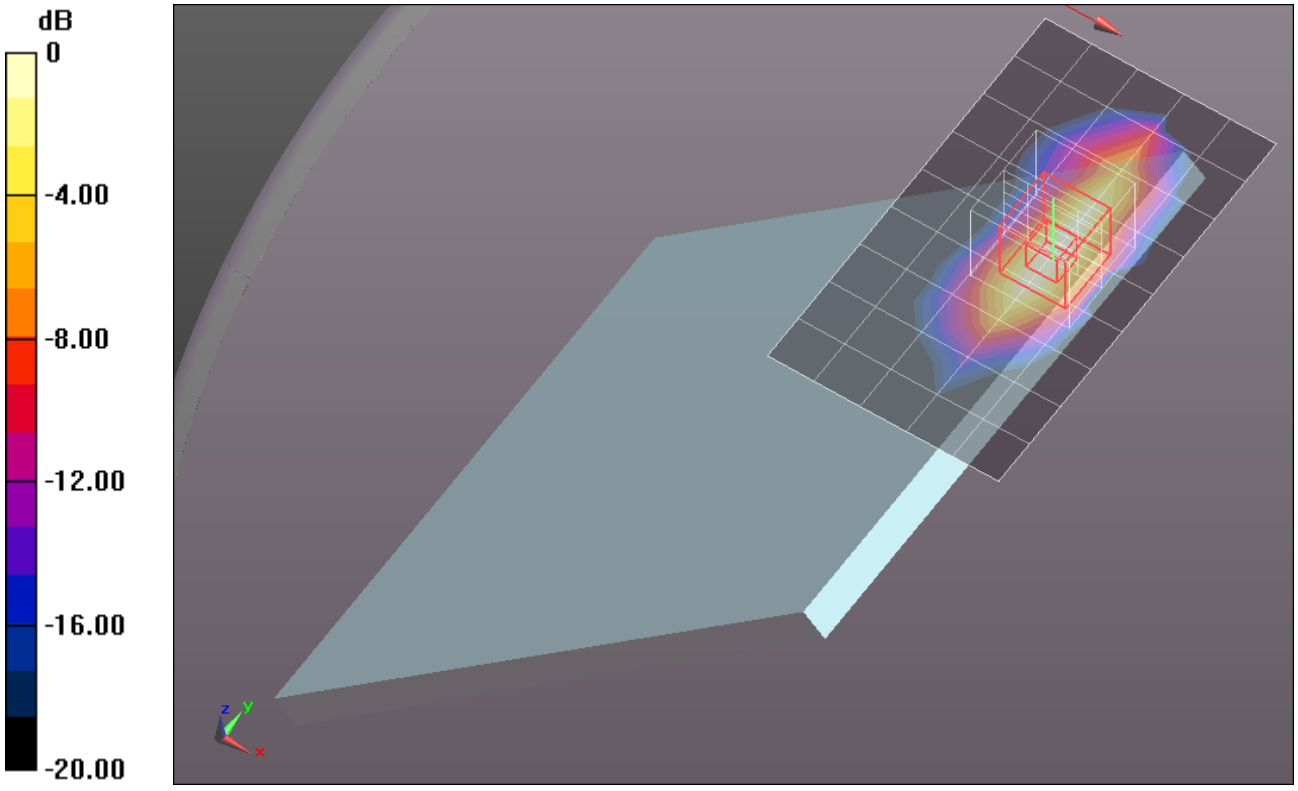
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.476 mho/m; ε_r = 52.044; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

41 deg Tilt @ Edge 1/QPSK_RB#50,0_Ch 20175/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.425 mW/g

41 deg Tilt @ Edge 1/QPSK_RB#50,0_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.752 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.3620
SAR(1 g) = 0.702 mW/g; SAR(10 g) = 0.329 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.079 mW/g



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

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

LTE Band 4

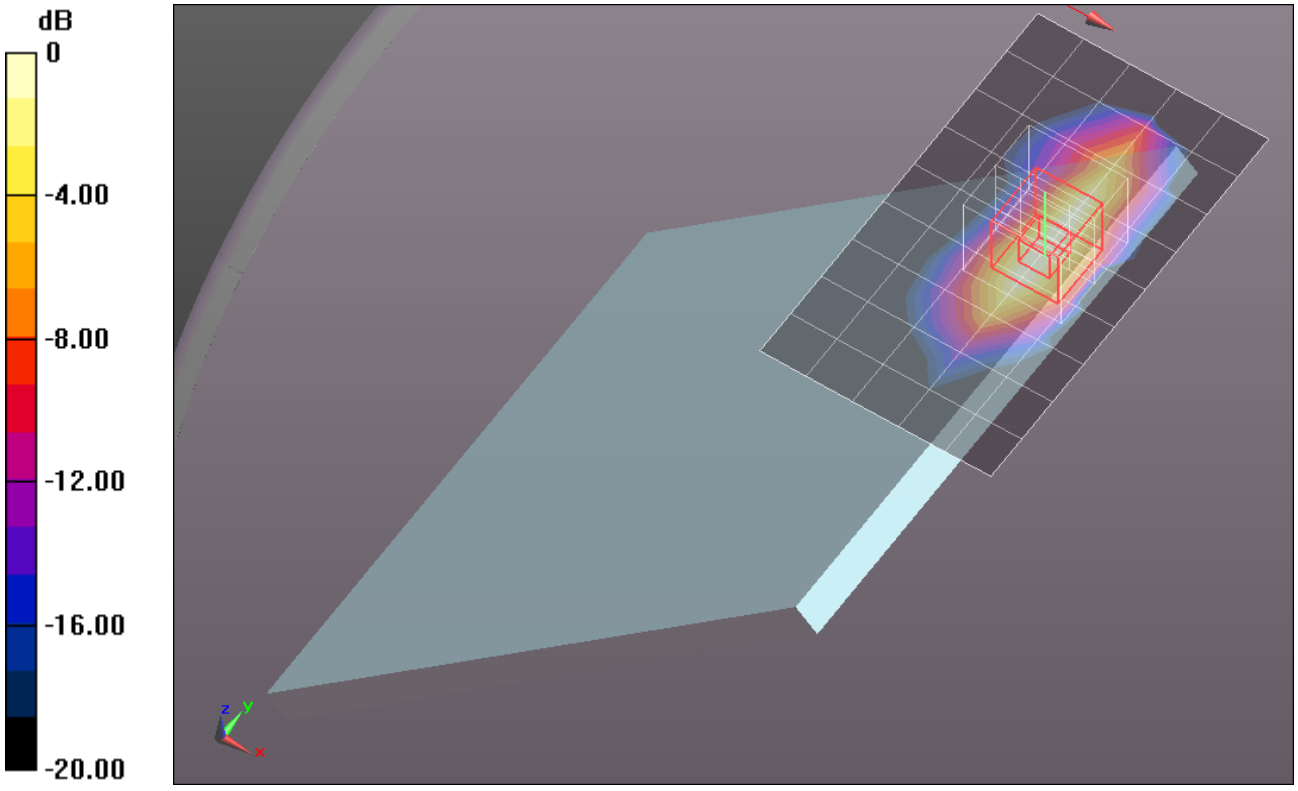
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.476 mho/m; ε_r = 52.044; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

41 deg Tilt @ Edge 1/QPSK_RB#50,24_Ch 20175/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.443 mW/g

41 deg Tilt @ Edge 1/QPSK_RB#50,24_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.028 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.3700
SAR(1 g) = 0.695 mW/g; SAR(10 g) = 0.323 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.079 mW/g



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

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

LTE Band 4

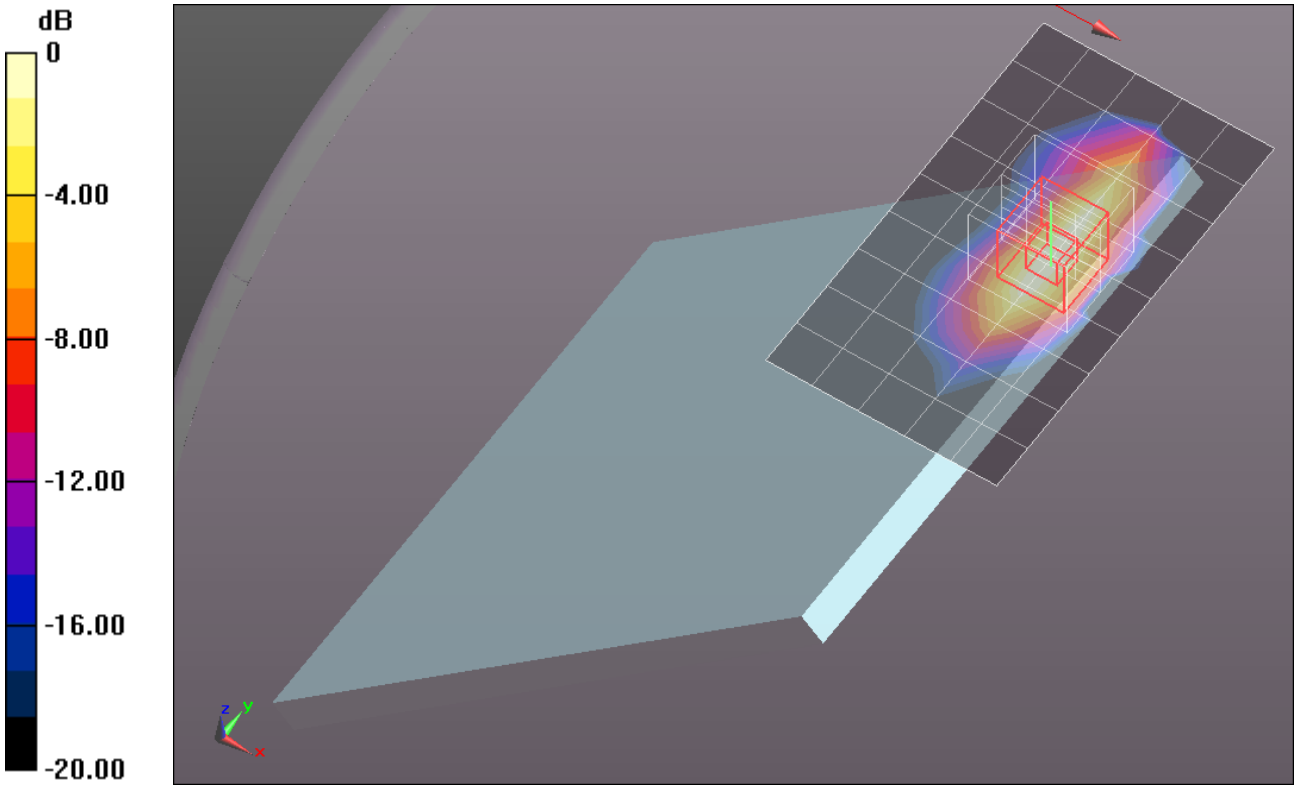
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.476 mho/m; ε_r = 52.044; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

41 deg Tilt @ Edge 1/QPSK_RB#50,49_Ch 20175/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.529 mW/g

41 deg Tilt @ Edge 1/QPSK_RB#50,49_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.032 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.4630
SAR(1 g) = 0.748 mW/g; SAR(10 g) = 0.348 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.156 mW/g



0 dB = 1.160mW/g = 1.29 dB mW/g

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

LTE Band 4

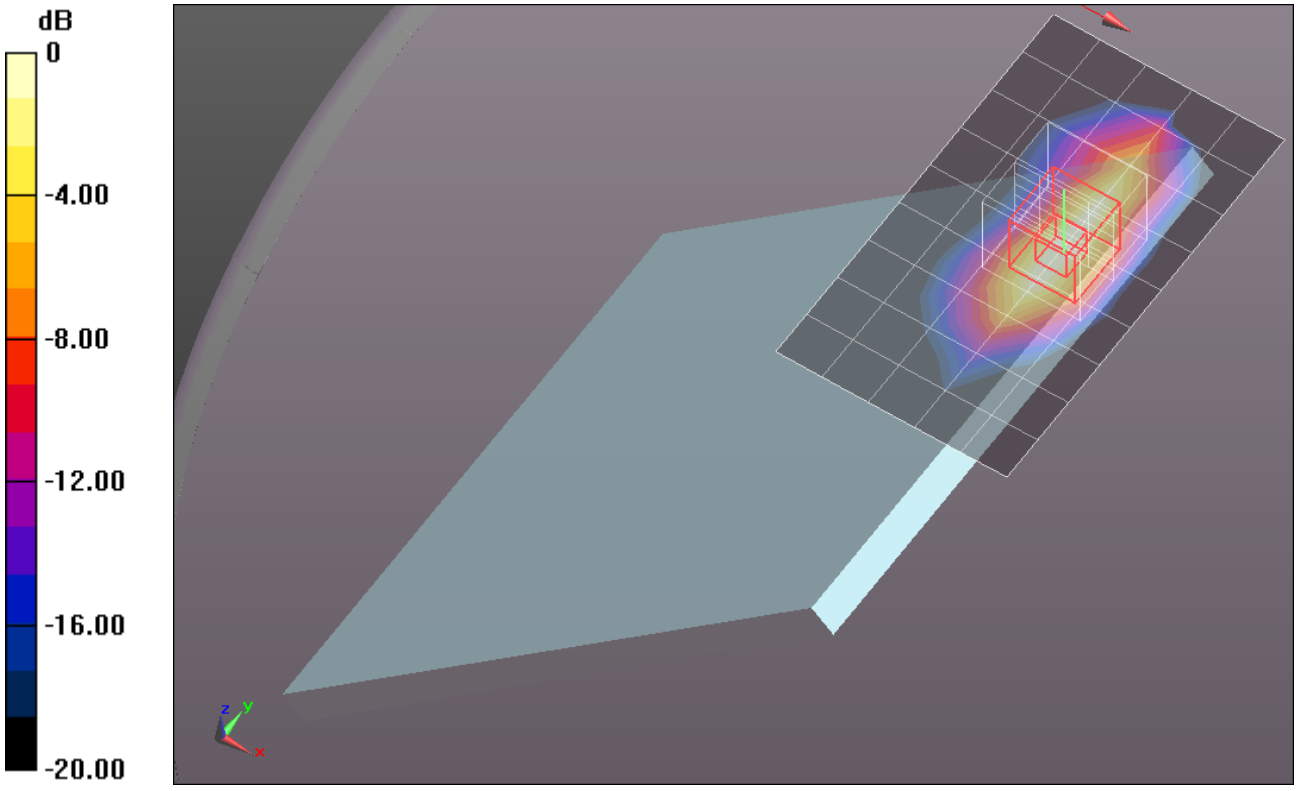
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.476 mho/m; ε_r = 52.044; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

41 deg Tilt @ Edge 1/QPSK_RB#100,0_Ch 20175/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.520 mW/g

41 deg Tilt @ Edge 1/QPSK_RB#100,0_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.956 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.4420
SAR(1 g) = 0.741 mW/g; SAR(10 g) = 0.346 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.143 mW/g



0 dB = 1.140mW/g = 1.14 dB mW/g

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

LTE Band 4

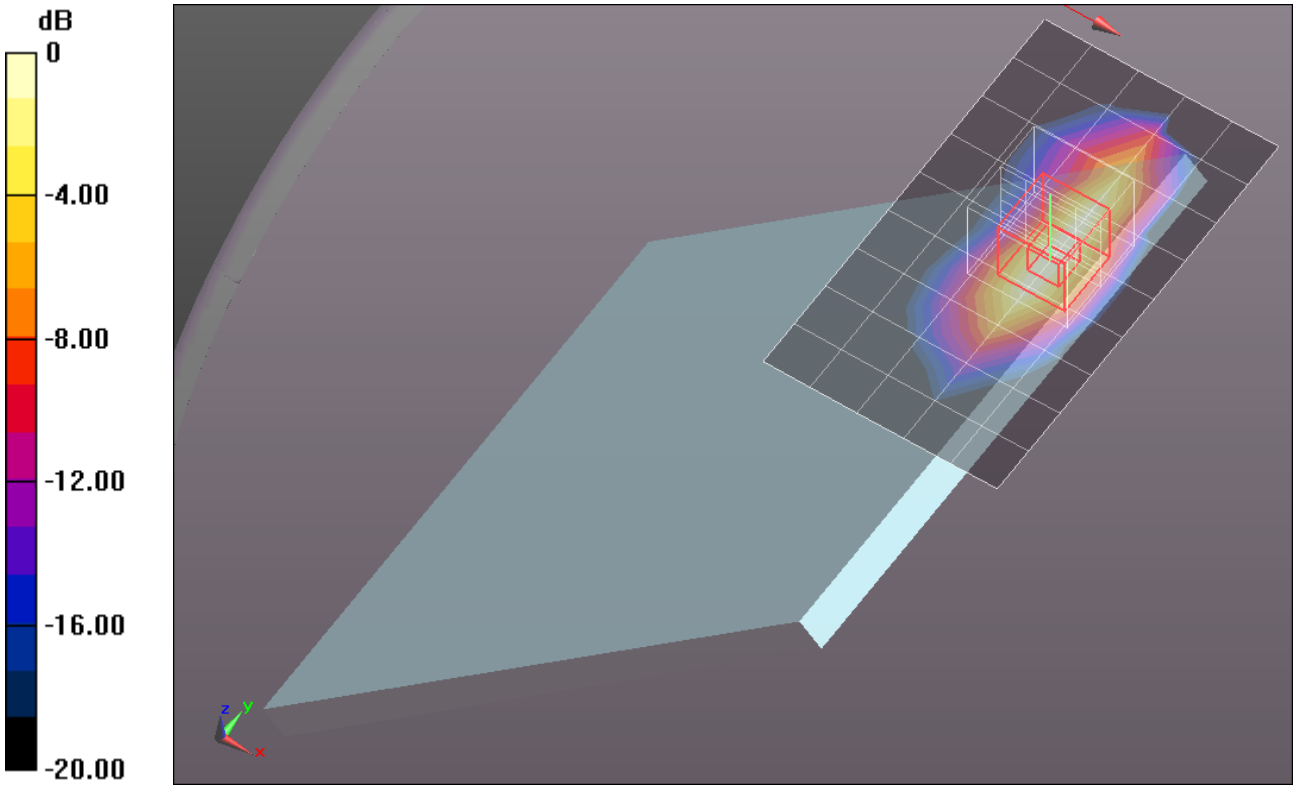
Frequency: 1745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1745 MHz; σ = 1.487 mho/m; ε_r = 52.003; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

41 deg Tilt @ Edge 1/QPSK_RB#1,99_Ch 20300/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.933 mW/g

41 deg Tilt @ Edge 1/QPSK_RB#1,99_Ch 20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.564 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.8260
SAR(1 g) = 0.931 mW/g; SAR(10 g) = 0.432 mW/g
Maximum value of SAR (measured) = 1.455 mW/g



0 dB = 1.460mW/g = 3.29 dB mW/g

Test Laboratory: Lab D Date: 9/20/2012

LTE Band 4

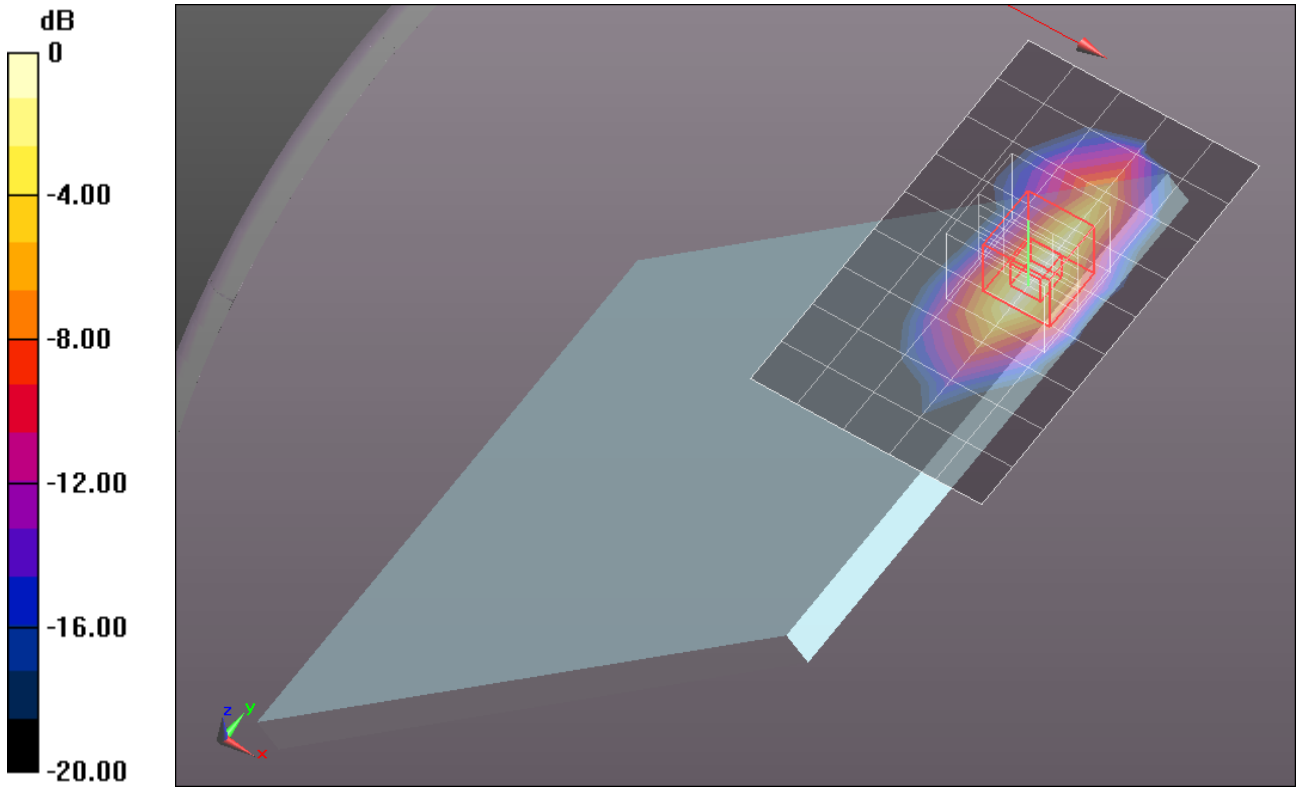
Frequency: 1745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1745 MHz; σ = 1.469 mho/m; ε_r = 52.812; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

41 deg Tilt @ Edge 1/QPSK_RB#50,24_Ch 20300/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.601 mW/g

41 deg Tilt @ Edge 1/QPSK_RB#50,24_Ch 20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.184 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 2.0250
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.483 mW/g
Maximum value of SAR (measured) = 1.562 mW/g



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

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

LTE Band 4

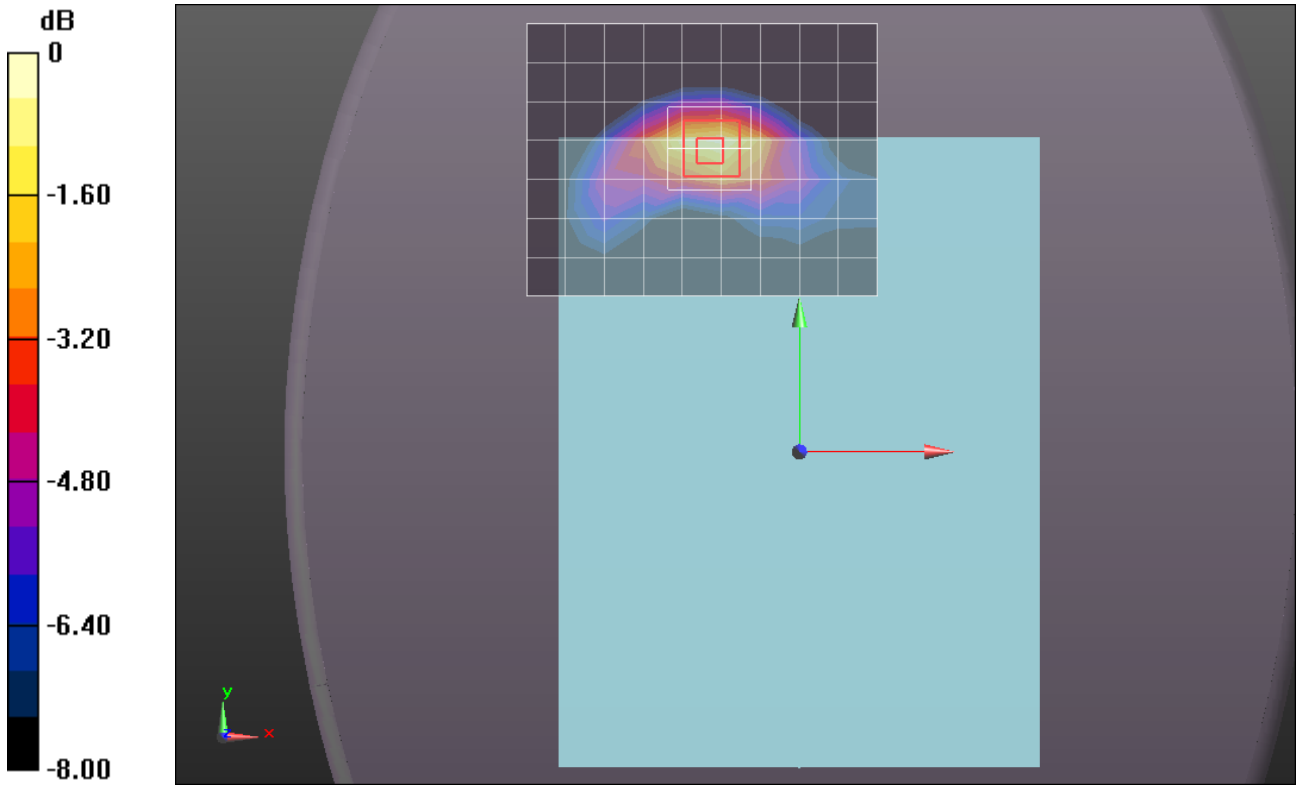
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.48 mho/m; ε_r = 53.126; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1135

Rear with 12mm/QPSK_RB#1,0_Ch 20175/Area Scan (10x8x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.482 mW/g

Rear with 12mm/QPSK_RB#1,0_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.861 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.6480
SAR(1 g) = 0.410 mW/g; SAR(10 g) = 0.239 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.515 mW/g



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

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

LTE Band 4

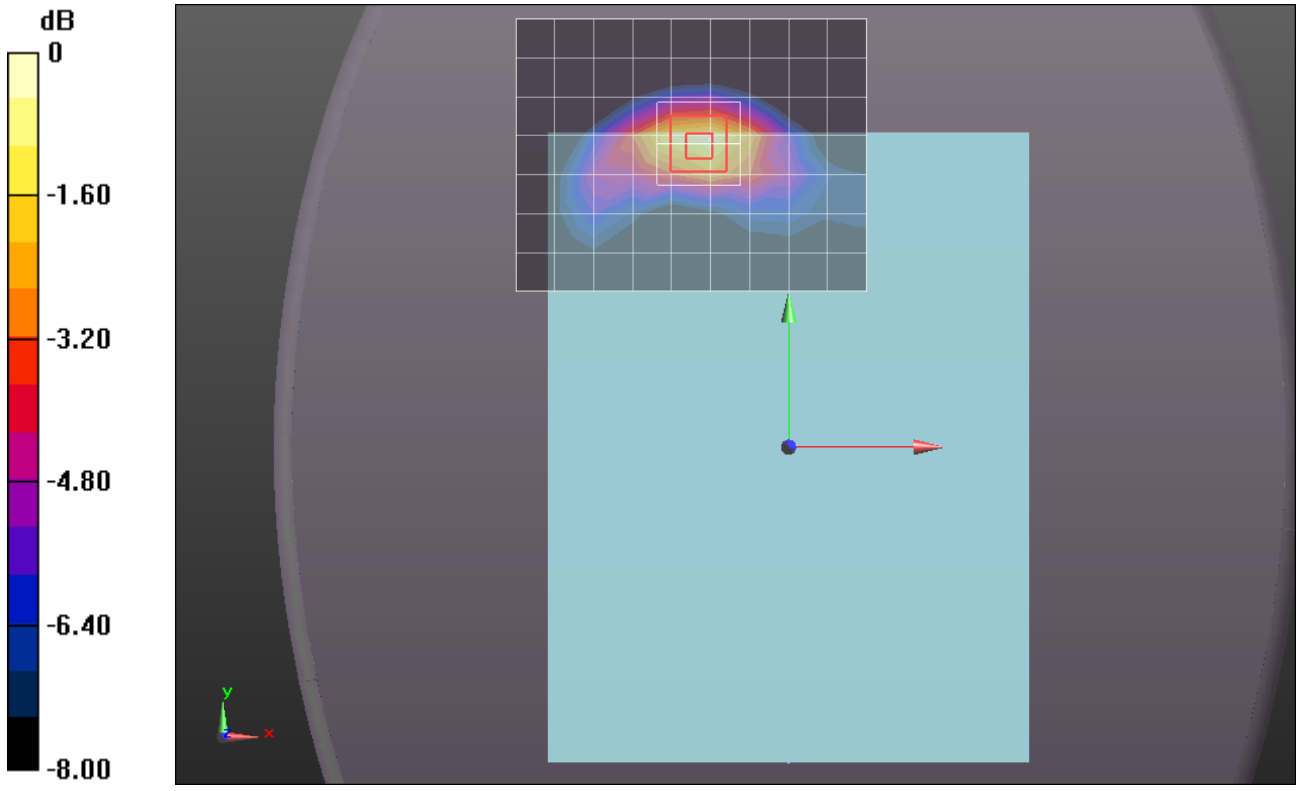
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.48 mho/m; ε_r = 53.126; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1135

Rear with 12mm/QPSK_RB#1,49_Ch 20175/Area Scan (10x8x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.494 mW/g

Rear with 12mm/QPSK_RB#1,49_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.123 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.6640
SAR(1 g) = 0.419 mW/g; SAR(10 g) = 0.243 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.526 mW/g



0 dB = 0.530mW/g = -5.51 dB mW/g

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

LTE Band 4

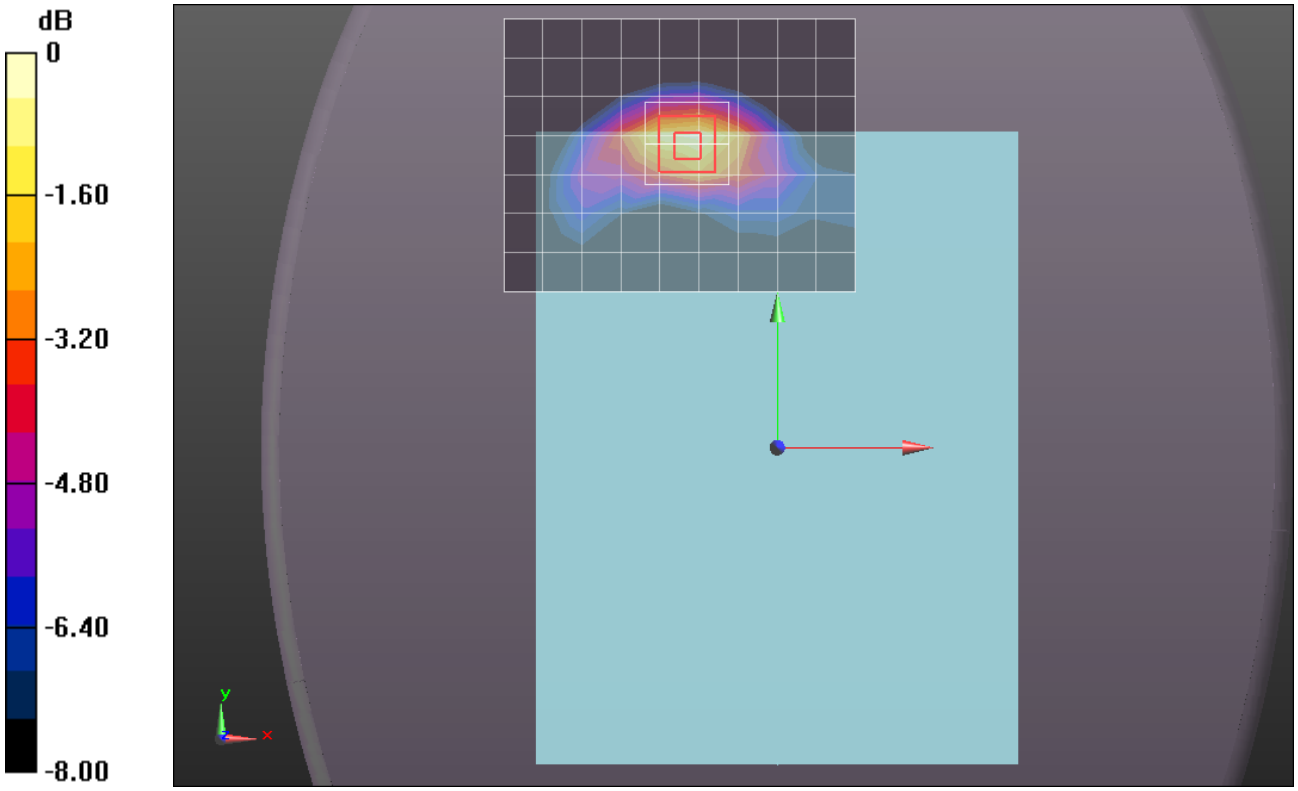
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.48 mho/m; ε_r = 53.126; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1135

Rear with 12mm/QPSK_RB#1,99_Ch 20175/Area Scan (10x8x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.827 mW/g

Rear with 12mm/QPSK_RB#1,99_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.697 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.1100
SAR(1 g) = 0.701 mW/g; SAR(10 g) = 0.410 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.882 mW/g



0 dB = 0.880mW/g = -1.11 dB mW/g

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

LTE Band 4

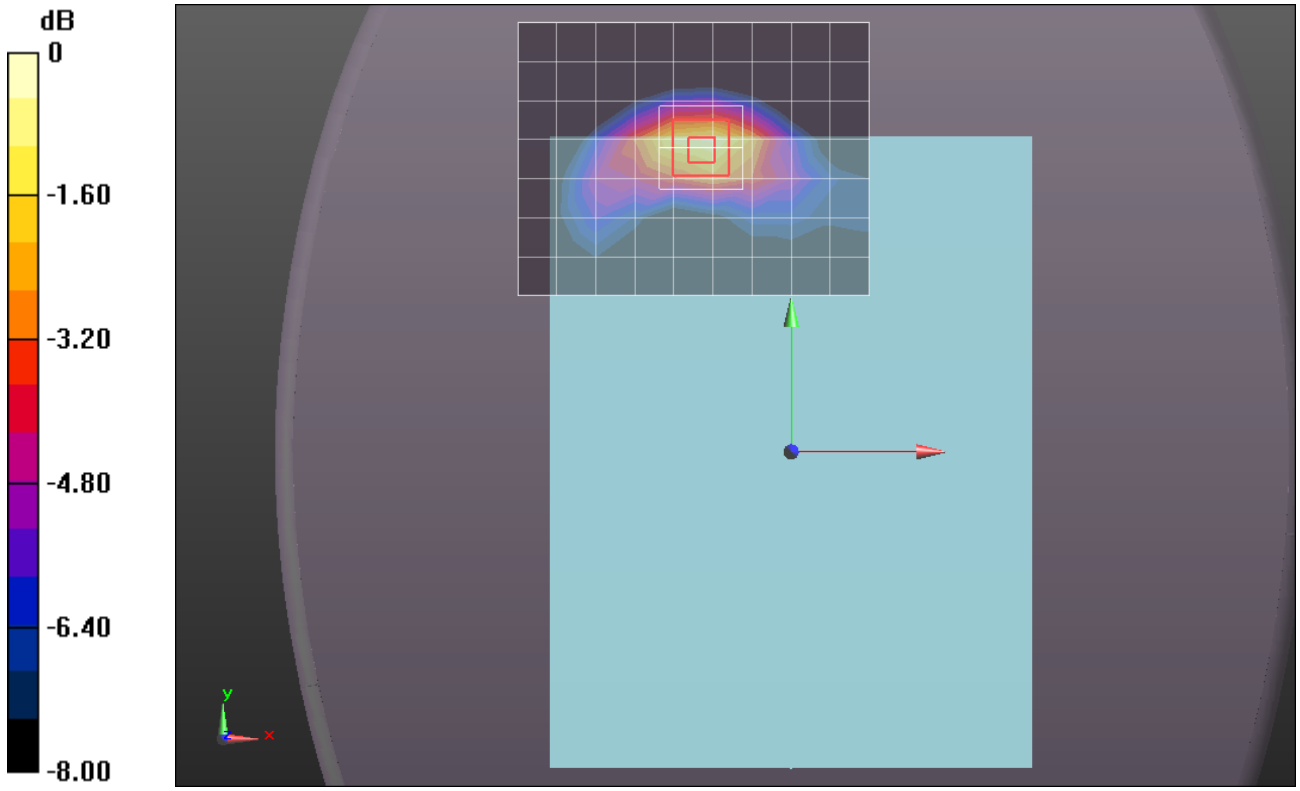
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.48 mho/m; ε_r = 53.126; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1135

Rear with 12mm/QPSK_RB#50,0_Ch 20175/Area Scan (10x8x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.377 mW/g

Rear with 12mm/QPSK_RB#50,0_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.878 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.5170
SAR(1 g) = 0.324 mW/g; SAR(10 g) = 0.188 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.411 mW/g



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

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

LTE Band 4

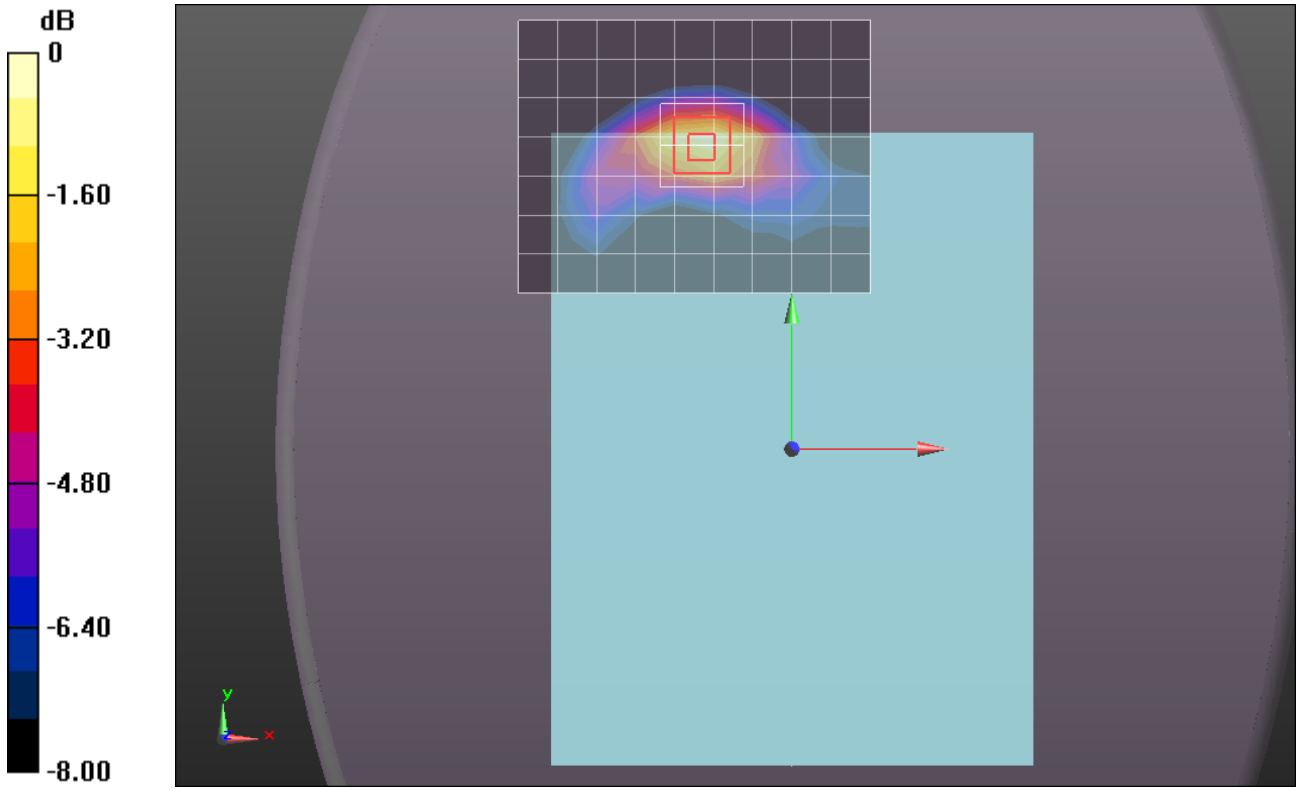
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.48 mho/m; ε_r = 53.126; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1135

Rear with 12mm/QPSK_RB#50,24_Ch 20175/Area Scan (10x8x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.428 mW/g

Rear with 12mm/QPSK_RB#50,24_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.560 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.5640
SAR(1 g) = 0.355 mW/g; SAR(10 g) = 0.206 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.447 mW/g



0 dB = 0.450mW/g = -6.94 dB mW/g

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

LTE Band 4

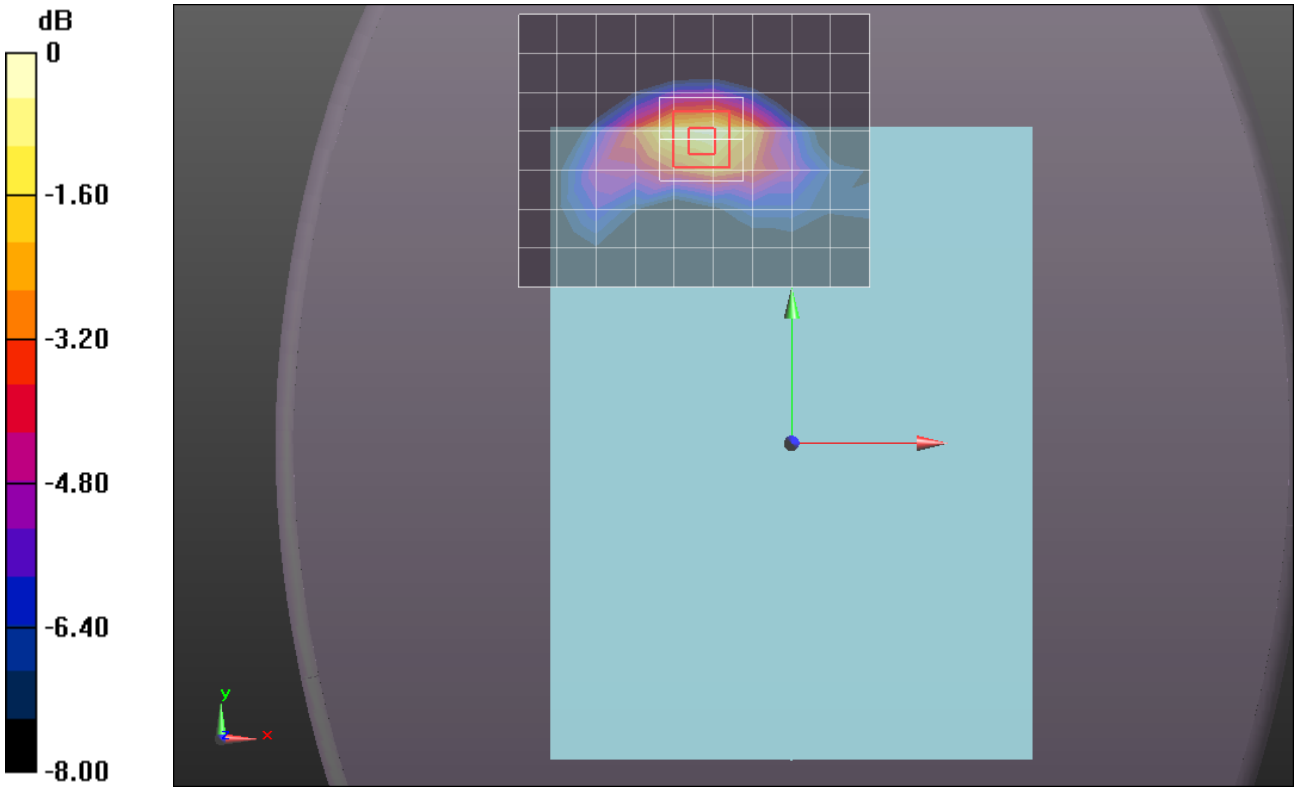
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.48 mho/m; ε_r = 53.126; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1135

Rear with 12mm/QPSK_RB#50,49_Ch 20175/Area Scan (10x8x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.526 mW/g

Rear with 12mm/QPSK_RB#50,49_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.669 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.7040
SAR(1 g) = 0.445 mW/g; SAR(10 g) = 0.259 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.559 mW/g



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

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

LTE Band 4

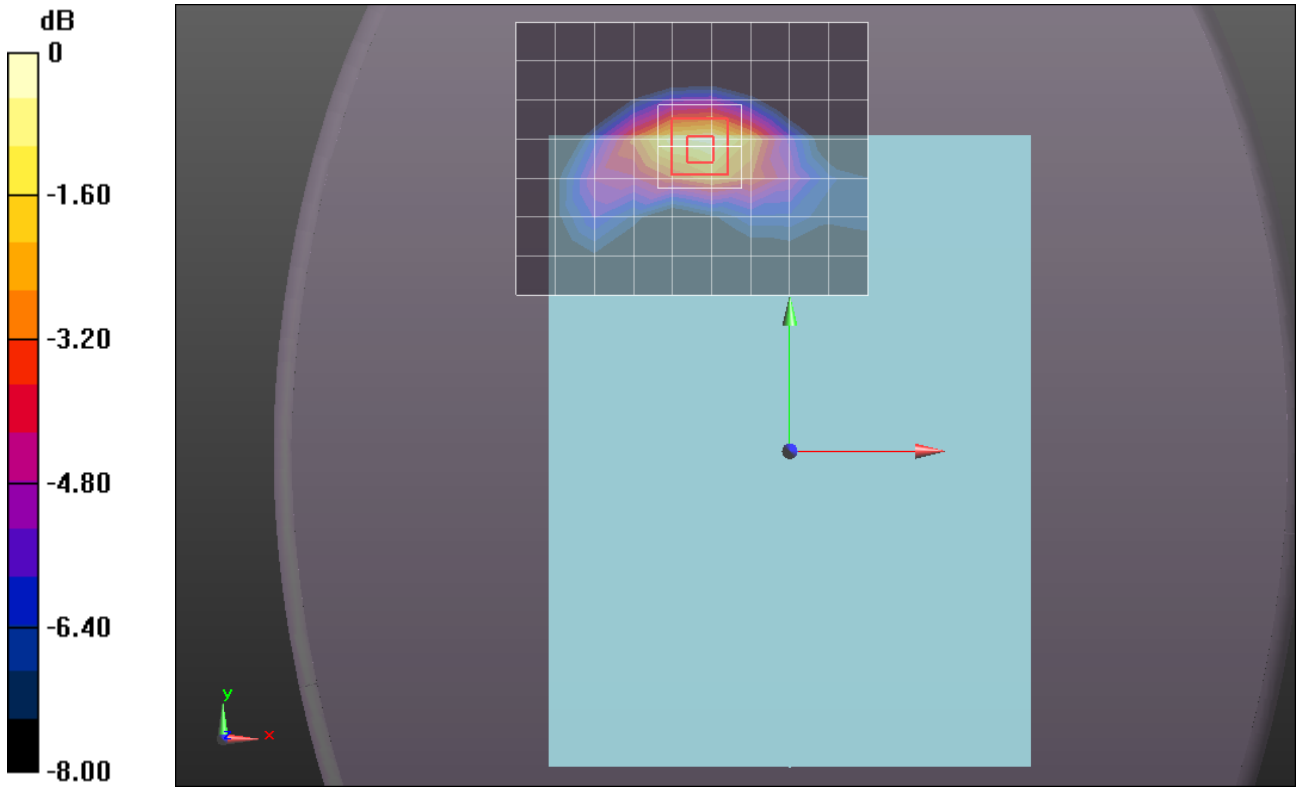
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.48 mho/m; ε_r = 53.126; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1135

Rear with 12mm/QPSK_RB#100,0_Ch 20175/Area Scan (10x8x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.466 mW/g

Rear with 12mm/QPSK_RB#100,0_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.435 V/m; Power Drift = -0.0077 dB
Peak SAR (extrapolated) = 0.6150
SAR(1 g) = 0.390 mW/g; SAR(10 g) = 0.227 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.489 mW/g



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

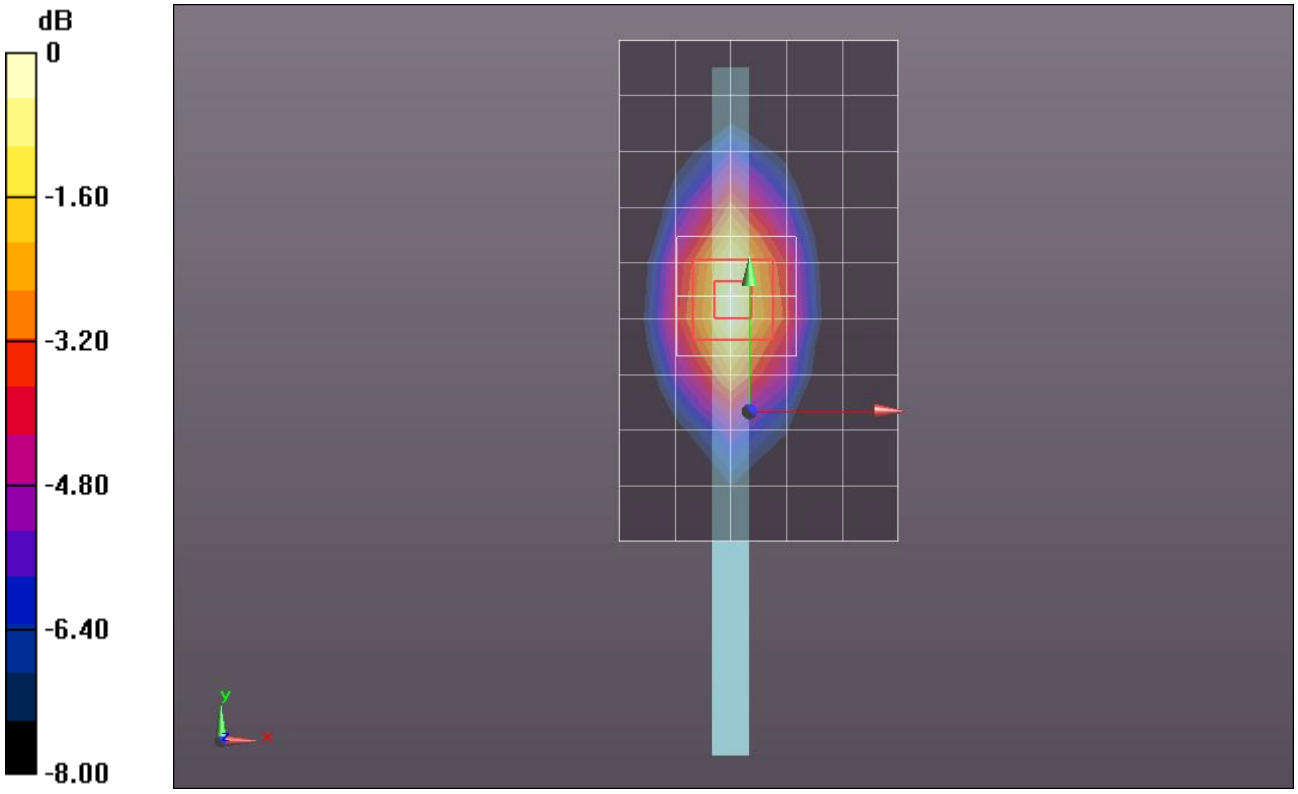
Test Laboratory: Lab D Date: 9/19/2012

LTE Band 4

Frequency: 1720 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1720 MHz; σ = 1.468 mho/m; ε_r = 53.173; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

Edge 1 with 14mm/QPSK_RB#1,0_Ch 20050/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.230 mW/g

Edge 1 with 14mm/QPSK_RB#1,0_Ch 20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.228 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.5210
SAR(1 g) = 0.984 mW/g; SAR(10 g) = 0.587 mW/g
Maximum value of SAR (measured) = 1.284 mW/g



0 dB = 1.280mW/g = 2.14 dB mW/g

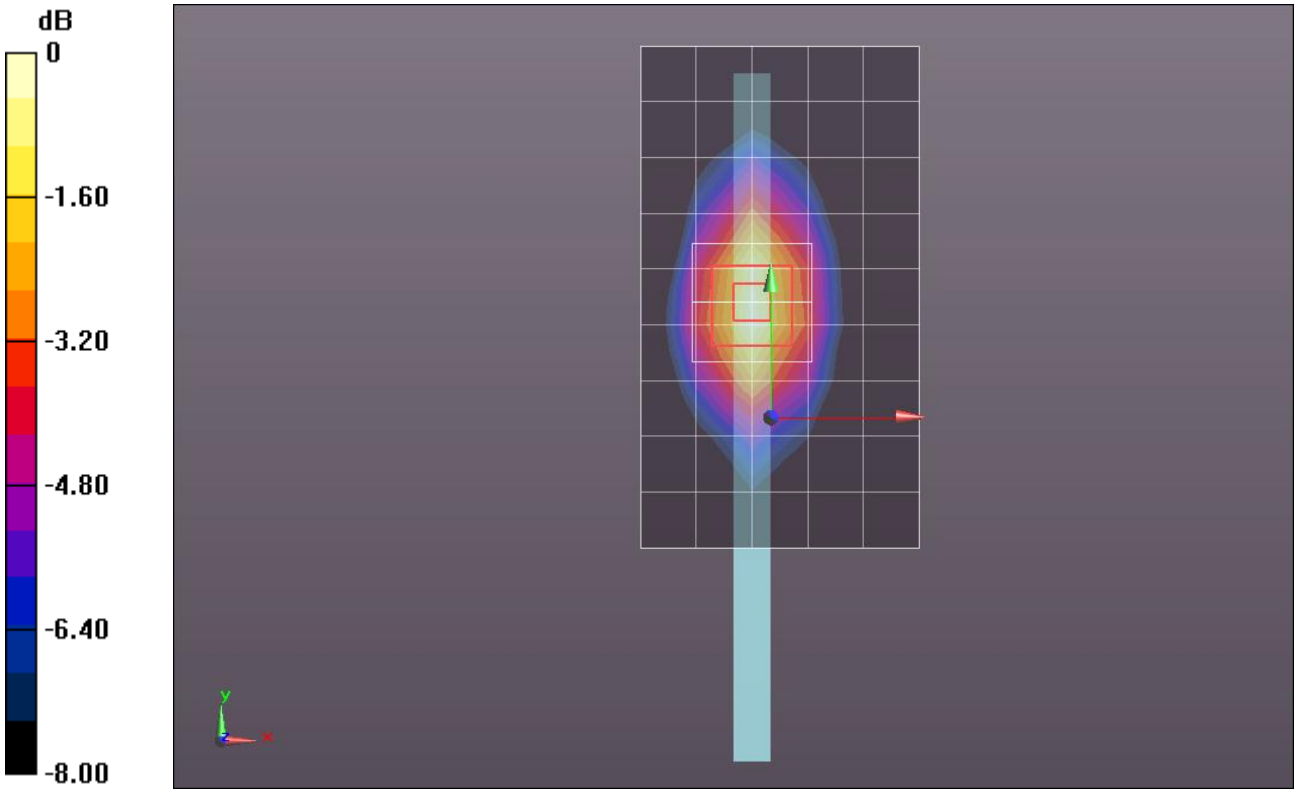
Test Laboratory: Lab D Date: 9/19/2012

LTE Band 4

Frequency: 1720 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1720 MHz; σ = 1.468 mho/m; ε_r = 53.173; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

Edge 1 with 14mm/QPSK_RB#50,0_Ch 20050/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.794 mW/g

Edge 1 with 14mm/QPSK_RB#50,0_Ch 20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.521 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.9750
SAR(1 g) = 0.633 mW/g; SAR(10 g) = 0.378 mW/g
Maximum value of SAR (measured) = 0.823 mW/g



0 dB = 0.820mW/g = -1.72 dB mW/g

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

LTE Band 4

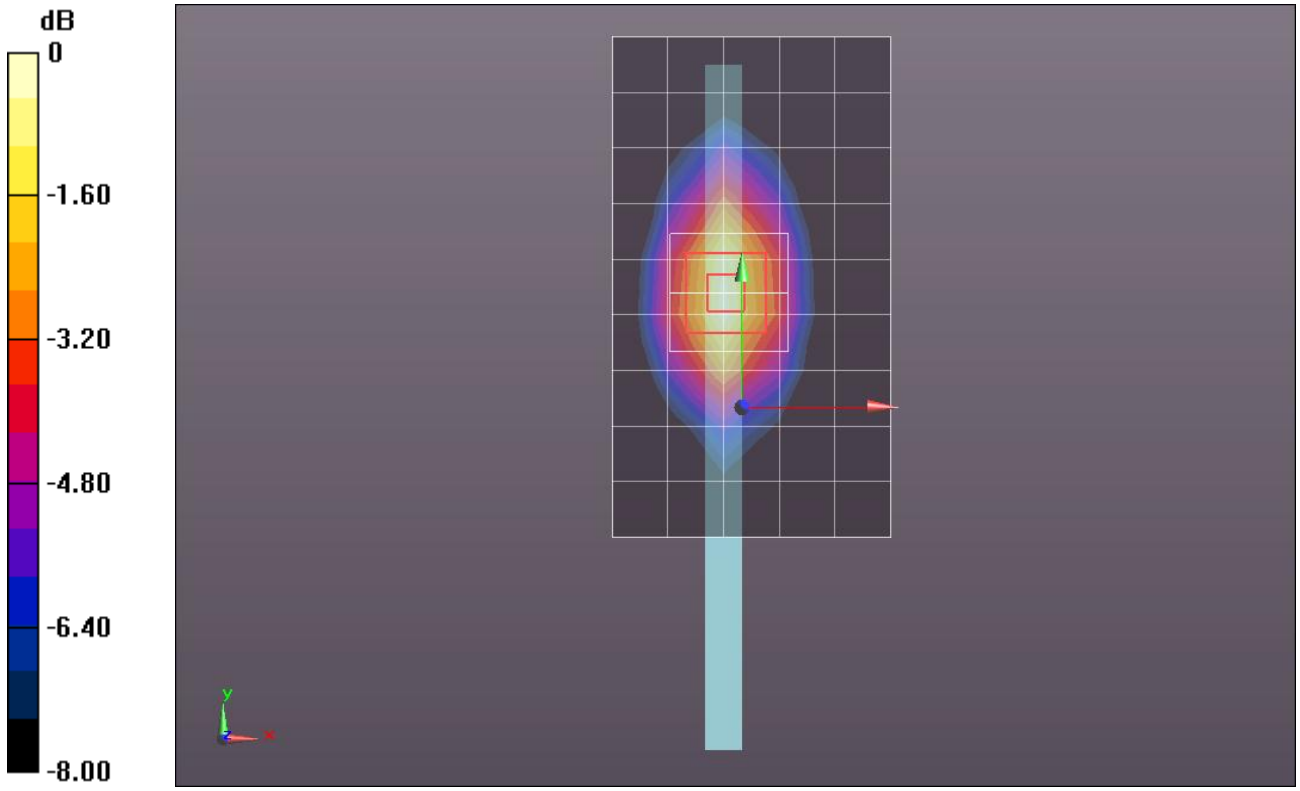
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.48 mho/m; ε_r = 53.126; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

Edge 1 with 14mm/QPSK_RB#1,0_Ch 20175/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.628 mW/g

Edge 1 with 14mm/QPSK_RB#1,0_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.692 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.7780
SAR(1 g) = 0.500 mW/g; SAR(10 g) = 0.297 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.651 mW/g



0 dB = 0.650mW/g = -3.74 dB mW/g

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

LTE Band 4

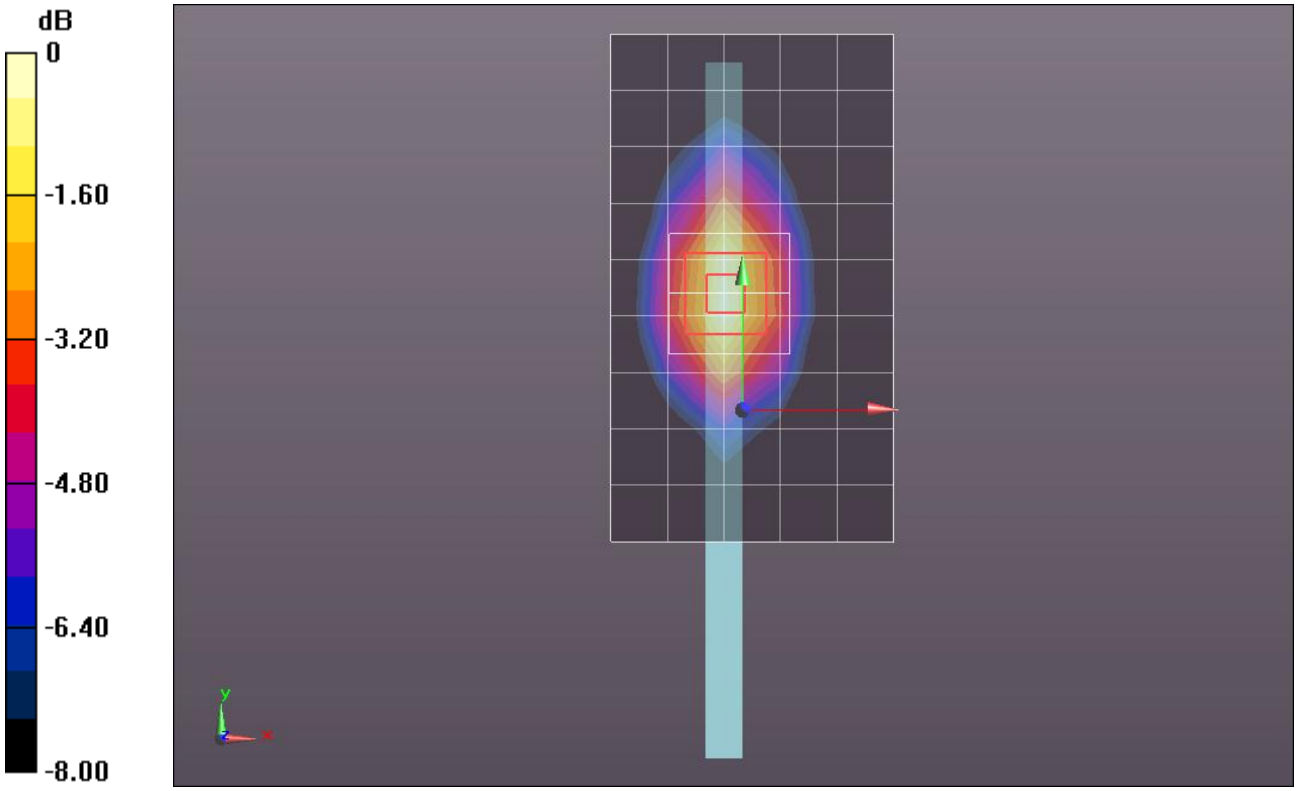
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.48 mho/m; ε_r = 53.126; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

Edge 1 with 14mm/QPSK_RB#1,49_Ch 20175/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.664 mW/g

Edge 1 with 14mm/QPSK_RB#1,49_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.427 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.8280
SAR(1 g) = 0.531 mW/g; SAR(10 g) = 0.315 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.692 mW/g



0 dB = 0.690mW/g = -3.22 dB mW/g

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

LTE Band 4

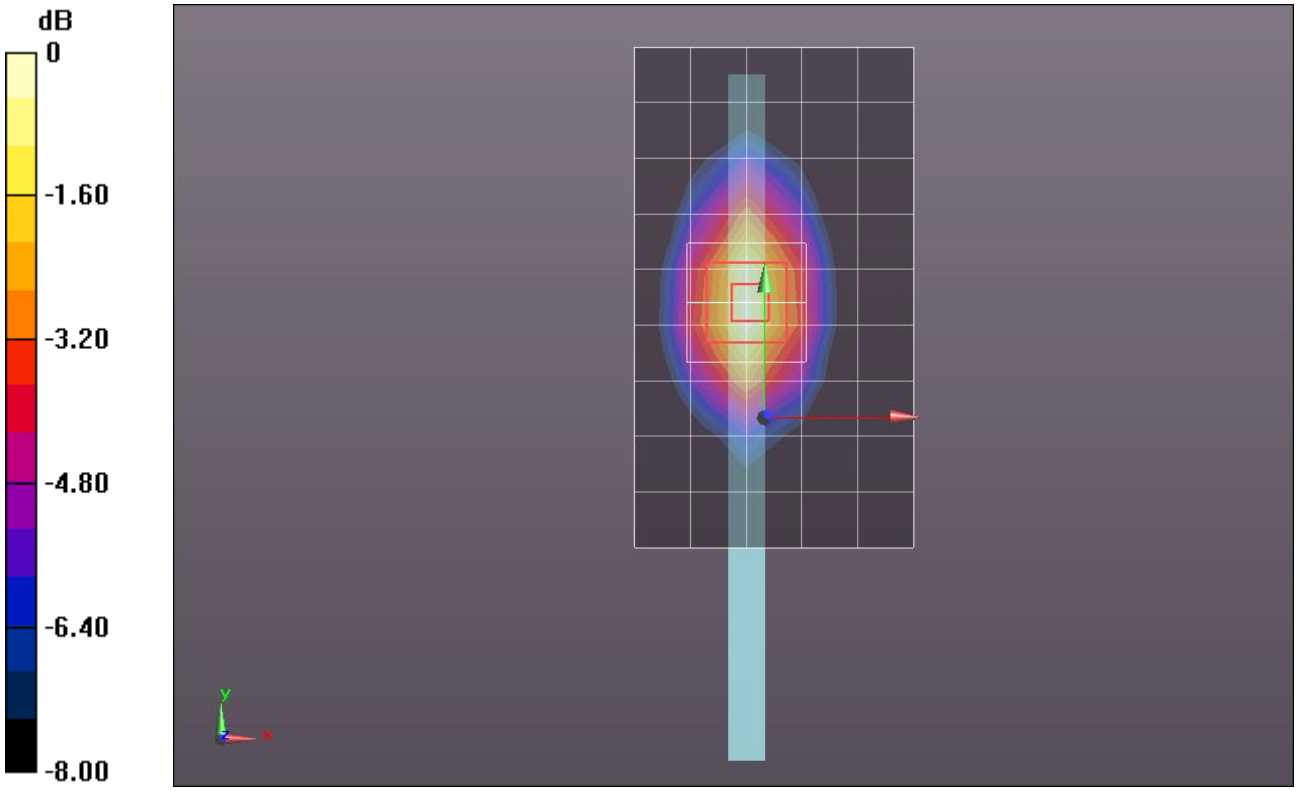
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.48 mho/m; ε_r = 53.126; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

Edge 1 with 14mm/QPSK_RB#1,99_Ch 20175/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.128 mW/g

Edge 1 with 14mm/QPSK_RB#1,99_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.957 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.3930
SAR(1 g) = 0.897 mW/g; SAR(10 g) = 0.537 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.169 mW/g



0 dB = 1.170mW/g = 1.36 dB mW/g

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

LTE Band 4

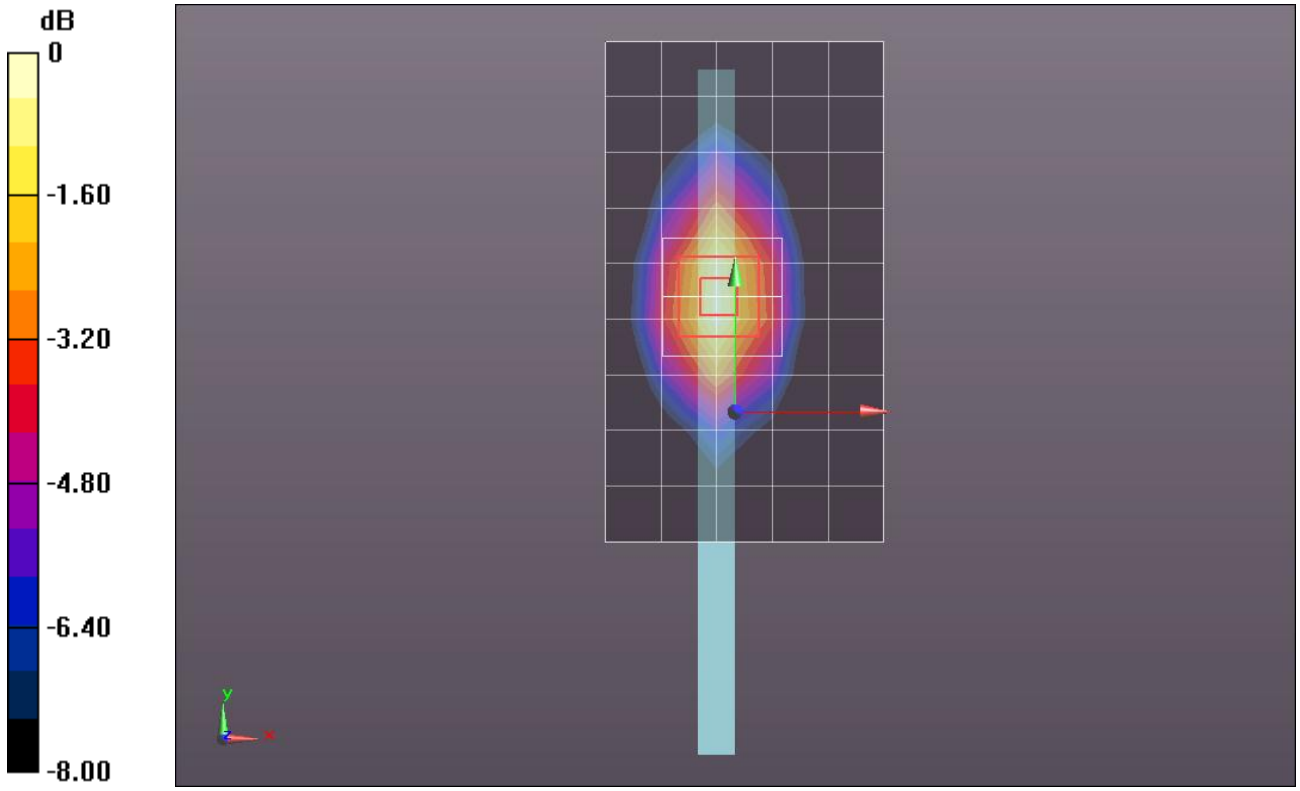
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.48 mho/m; ε_r = 53.126; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

Edge 1 with 14mm/QPSK_RB#50,0_Ch 20175/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.500 mW/g

Edge 1 with 14mm/QPSK_RB#50,0_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.600 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.6190
SAR(1 g) = 0.400 mW/g; SAR(10 g) = 0.237 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.520 mW/g



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

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

LTE Band 4

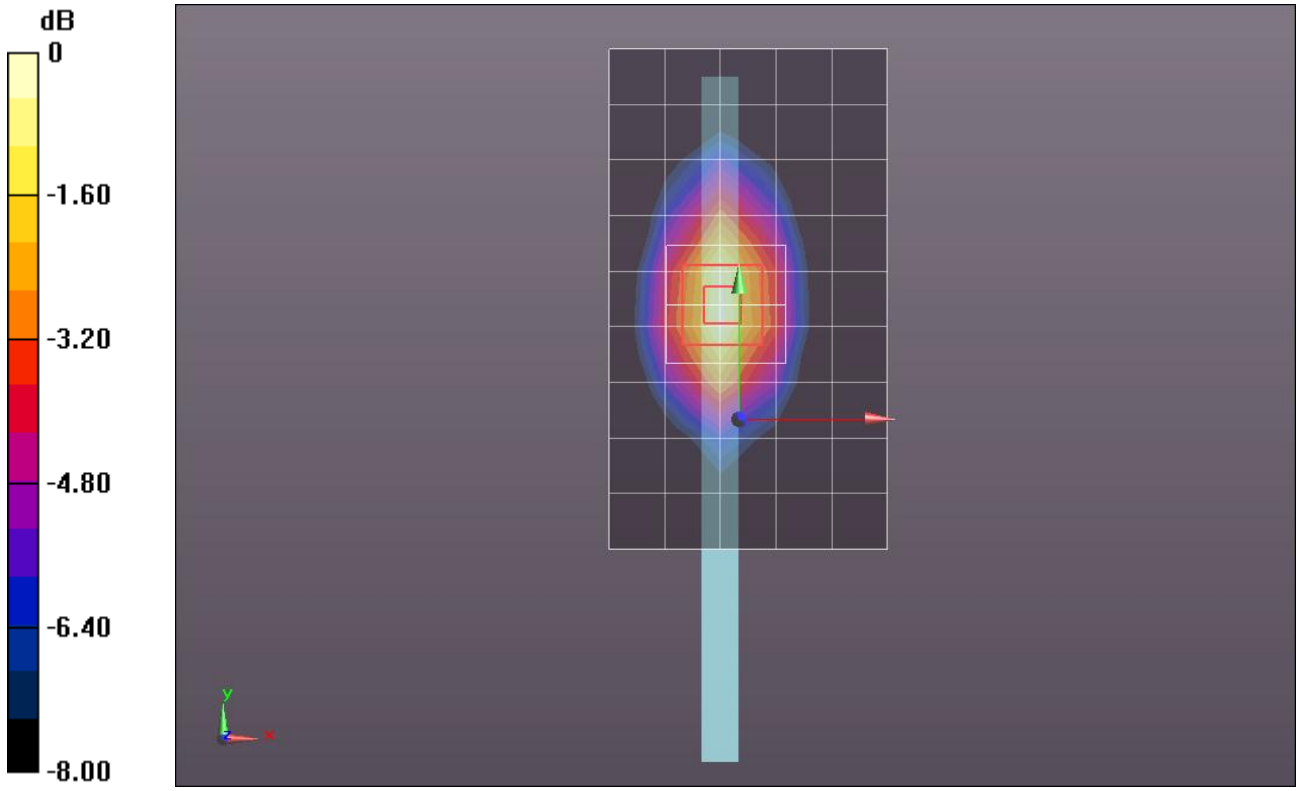
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.48 mho/m; ε_r = 53.126; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

Edge 1 with 14mm/QPSK_RB#50,24_Ch 20175/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.547 mW/g

Edge 1 with 14mm/QPSK_RB#50,24_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.547 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.6950
SAR(1 g) = 0.445 mW/g; SAR(10 g) = 0.264 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.582 mW/g



0 dB = 0.580mW/g = -4.73 dB mW/g

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

LTE Band 4

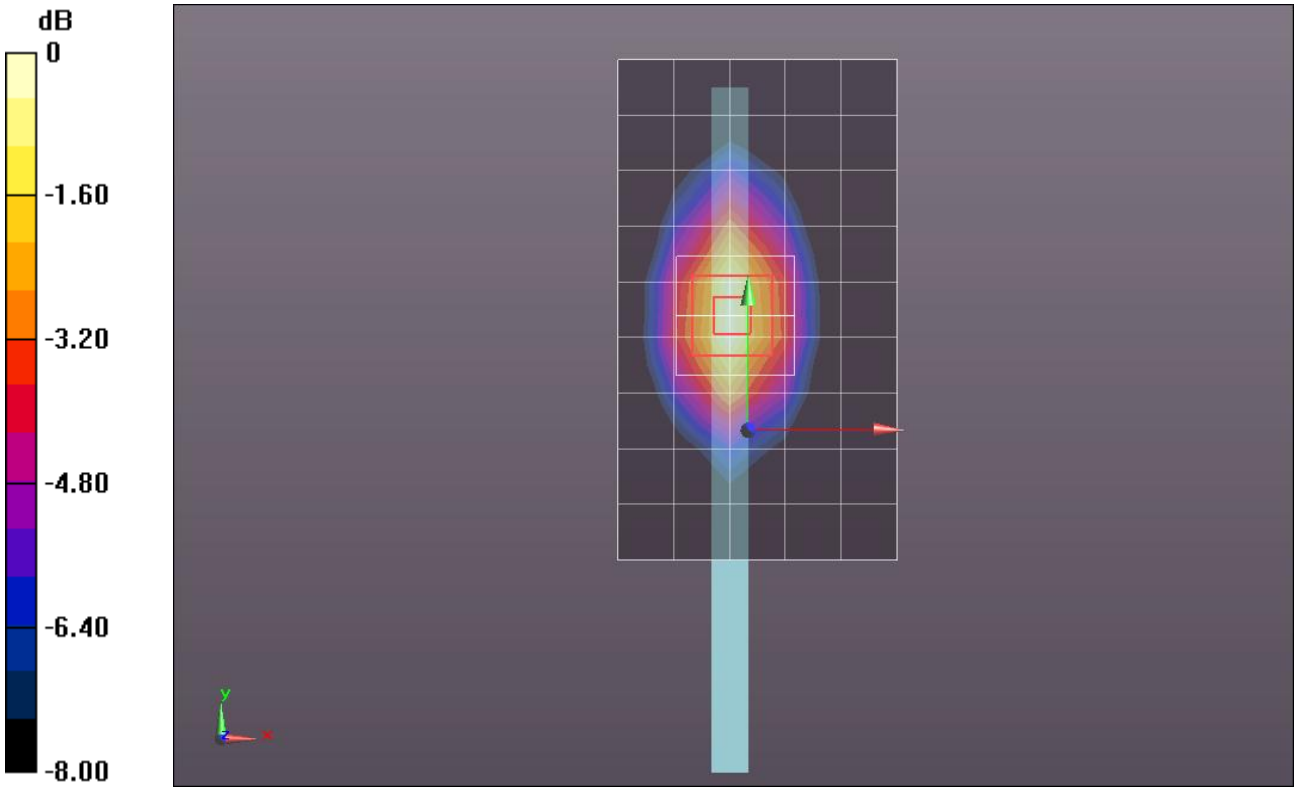
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.48 mho/m; ε_r = 53.126; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

Edge 1 with 14mm/QPSK_RB#50,49_Ch 20175/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.687 mW/g

Edge 1 with 14mm/QPSK_RB#50,49_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.706 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.8530
SAR(1 g) = 0.549 mW/g; SAR(10 g) = 0.327 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.715 mW/g



0 dB = 0.710mW/g = -2.97 dB mW/g

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

LTE Band 4

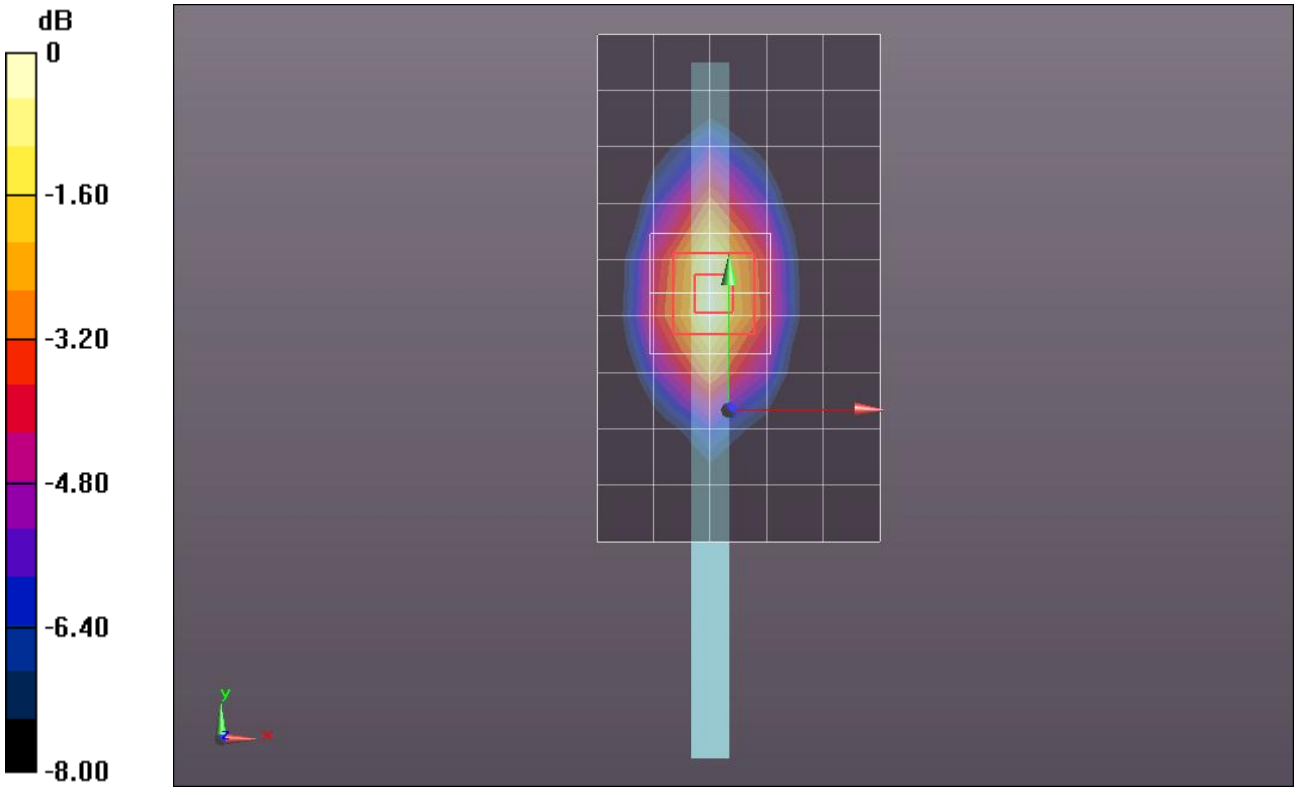
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.48 mho/m; ε_r = 53.126; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1135

Edge 1 with 14mm/QPSK_RB#100,0_Ch 20175/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.604 mW/g

Edge 1 with 14mm/QPSK_RB#100,0_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.479 V/m; Power Drift = 0.0046 dB
Peak SAR (extrapolated) = 0.7500
SAR(1 g) = 0.483 mW/g; SAR(10 g) = 0.287 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.631 mW/g



0 dB = 0.630mW/g = -4.01 dB mW/g

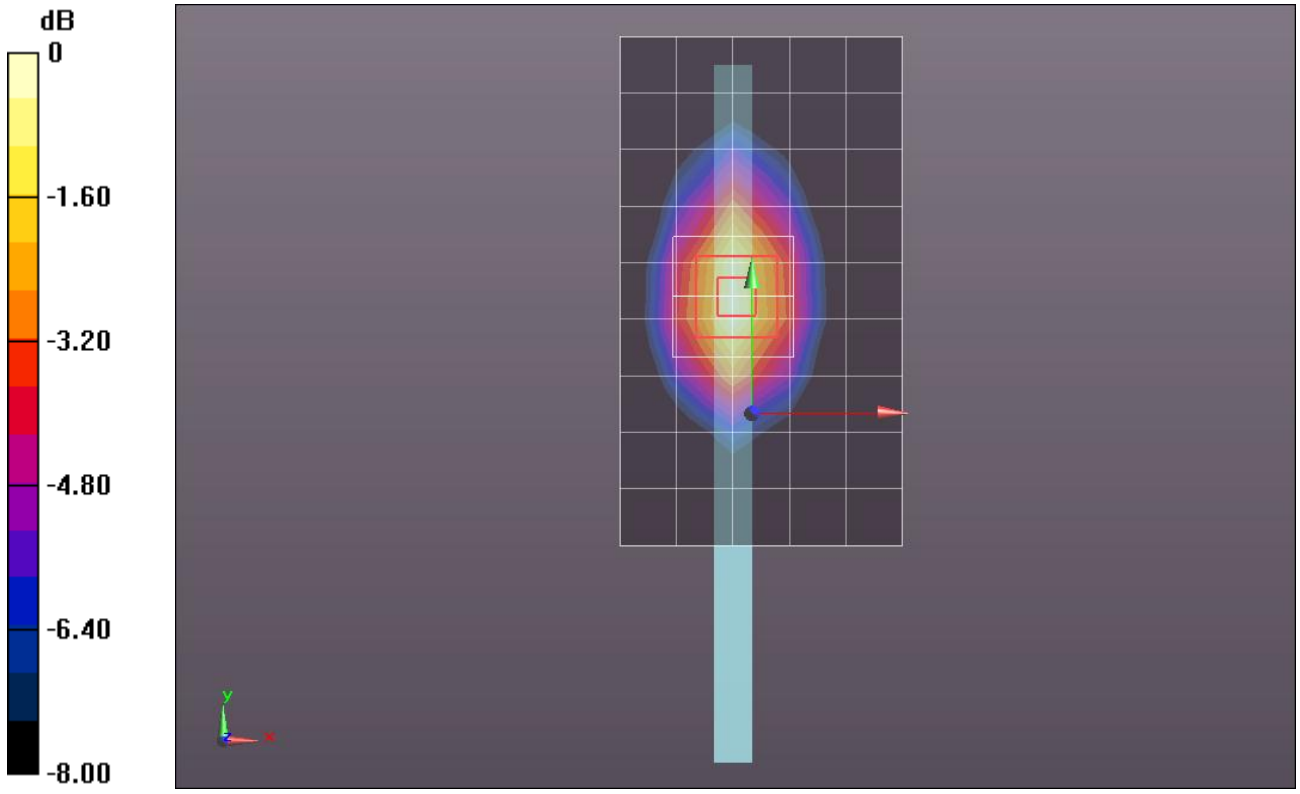
Test Laboratory: Lab D Date: 9/19/2012

LTE Band 4

Frequency: 1745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1745 MHz; σ = 1.492 mho/m; ε_r = 53.078; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

Edge 1 with 14mm/QPSK_RB#1,99_Ch 20300/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.833 mW/g

Edge 1 with 14mm/QPSK_RB#1,99_Ch 20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.850 V/m; Power Drift = -0.0096 dB
Peak SAR (extrapolated) = 1.0210
SAR(1 g) = 0.658 mW/g; SAR(10 g) = 0.391 mW/g
Maximum value of SAR (measured) = 0.861 mW/g



0 dB = 0.860mW/g = -1.31 dB mW/g

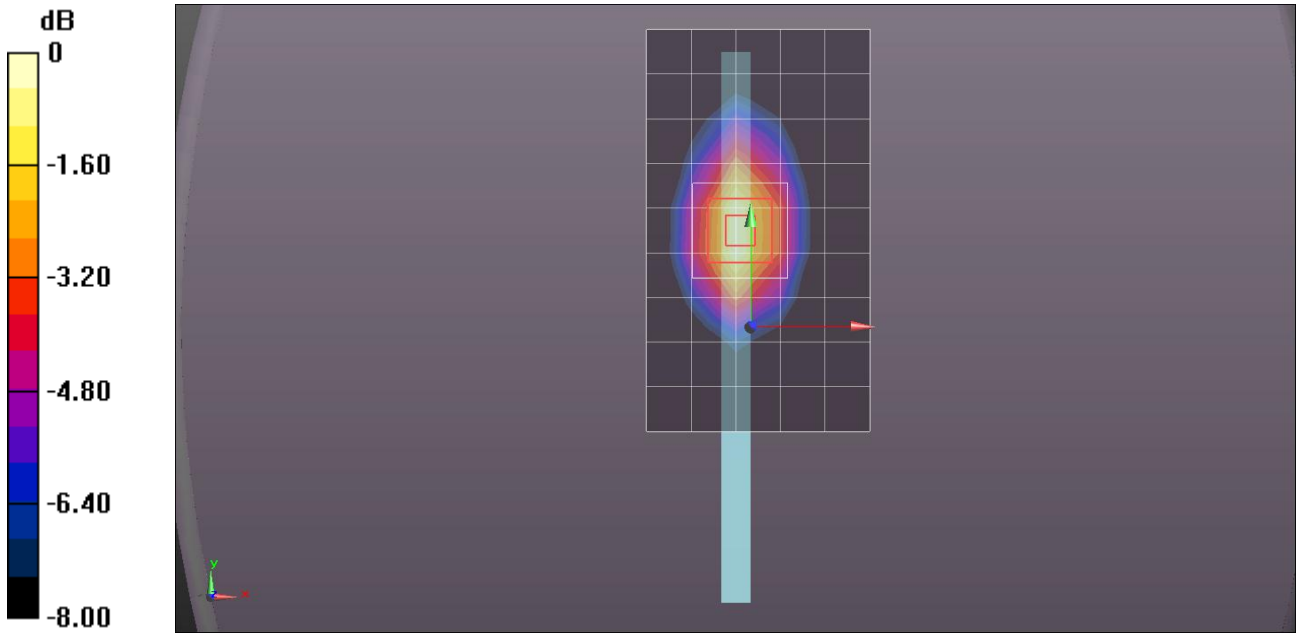
Test Laboratory: Lab D Date: 9/20/2012

LTE Band 4

Frequency: 1745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1745 MHz; σ = 1.469 mho/m; ε_r = 52.812; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1136

Edge 1 with 14mm/QPSK_RB#50,24_Ch 20300/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.931 W/kg

Edge 1 with 14mm/QPSK_RB#50,24_Ch 20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.841 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.211 mW/g
SAR(1 g) = 0.774 mW/g; SAR(10 g) = 0.458 mW/g
Maximum value of SAR (measured) = 1.02 W/kg



0 dB = 1.02 W/kg = 0.17 dB W/kg

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

LTE Band 4

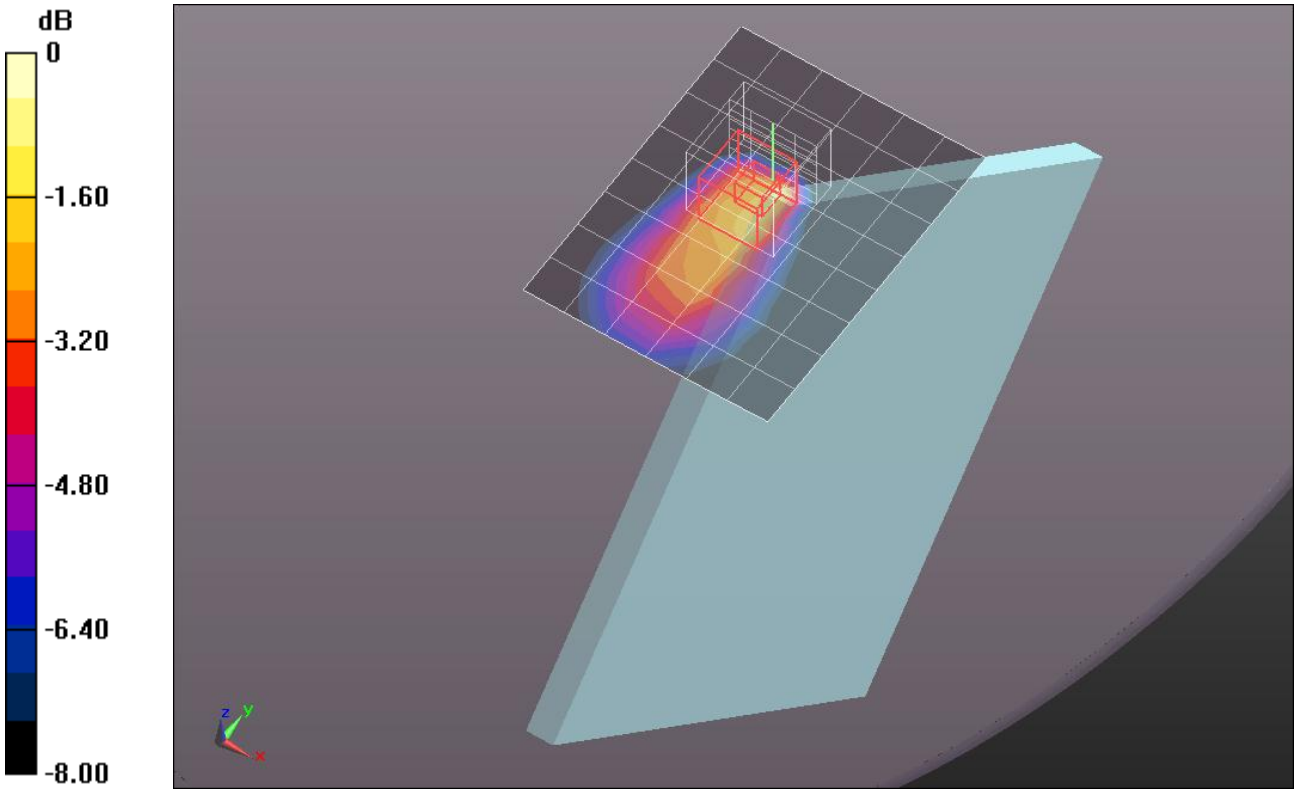
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.48 mho/m; ε_r = 53.126; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1135

27 deg Tilt @ Edge 1/QPSK_RB#1,0_Ch 20175/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.373 mW/g

27 deg Tilt @ Edge 1/QPSK_RB#1,0_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.761 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.6490
SAR(1 g) = 0.346 mW/g; SAR(10 g) = 0.194 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.481 mW/g



0 dB = 0.480mW/g = -6.38 dB mW/g

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

LTE Band 4

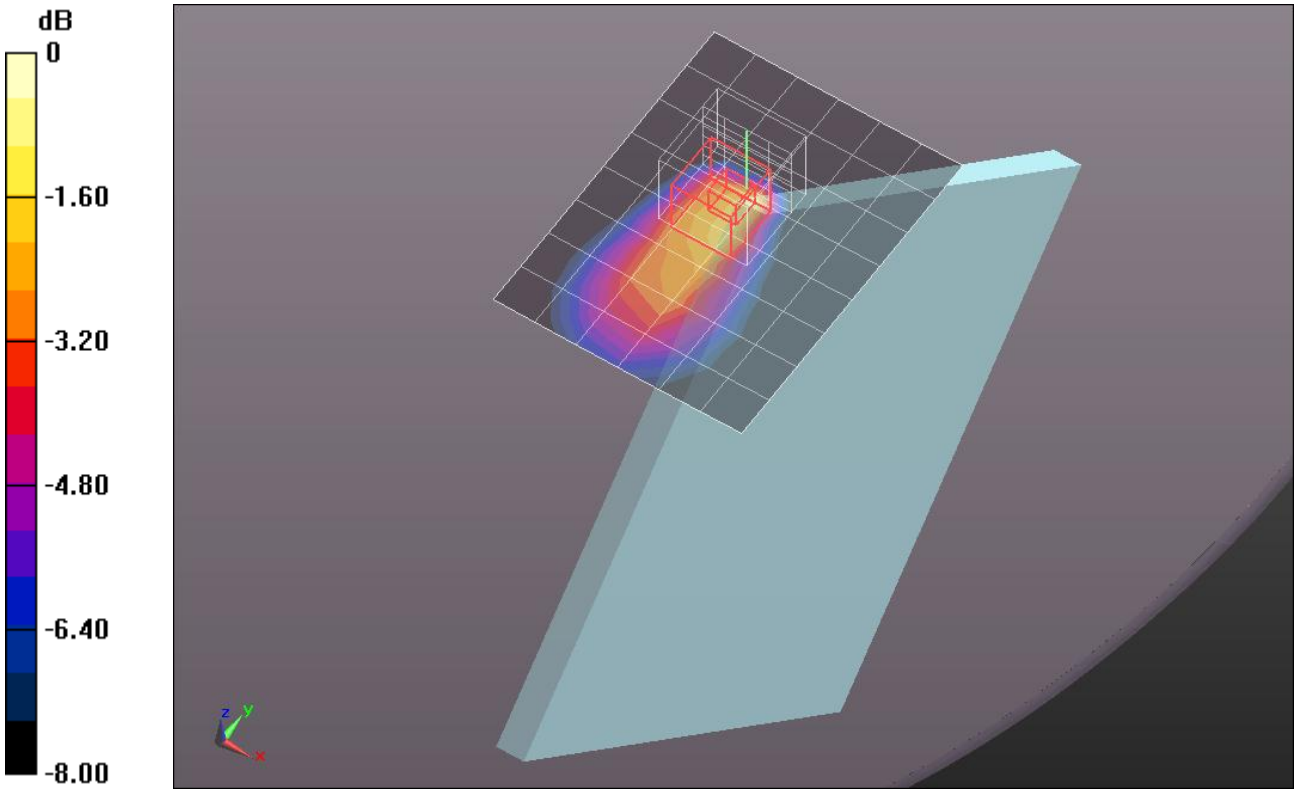
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.48 mho/m; ε_r = 53.126; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

27 deg Tilt @ Edge 1/QPSK_RB#1,49_Ch 20175/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.392 mW/g

27 deg Tilt @ Edge 1/QPSK_RB#1,49_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.038 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.6830
SAR(1 g) = 0.361 mW/g; SAR(10 g) = 0.200 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.501 mW/g



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

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

LTE Band 4

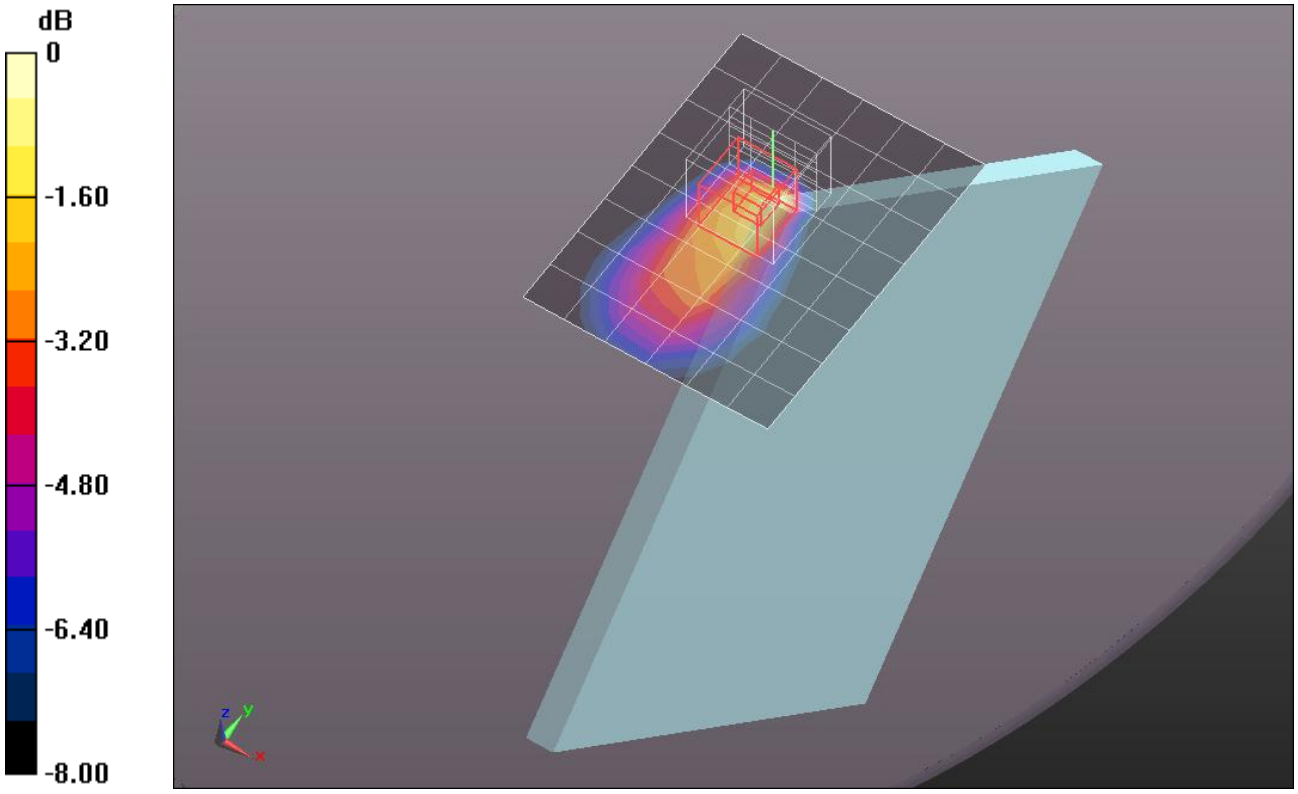
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.48 mho/m; ε_r = 53.126; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

27 deg Tilt @ Edge 1/QPSK_RB#1,99_Ch 20175/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.672 mW/g

27 deg Tilt @ Edge 1/QPSK_RB#1,99_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.575 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.1610
SAR(1 g) = 0.621 mW/g; SAR(10 g) = 0.344 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.852 mW/g



0 dB = 0.850mW/g = -1.41 dB mW/g

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

LTE Band 4

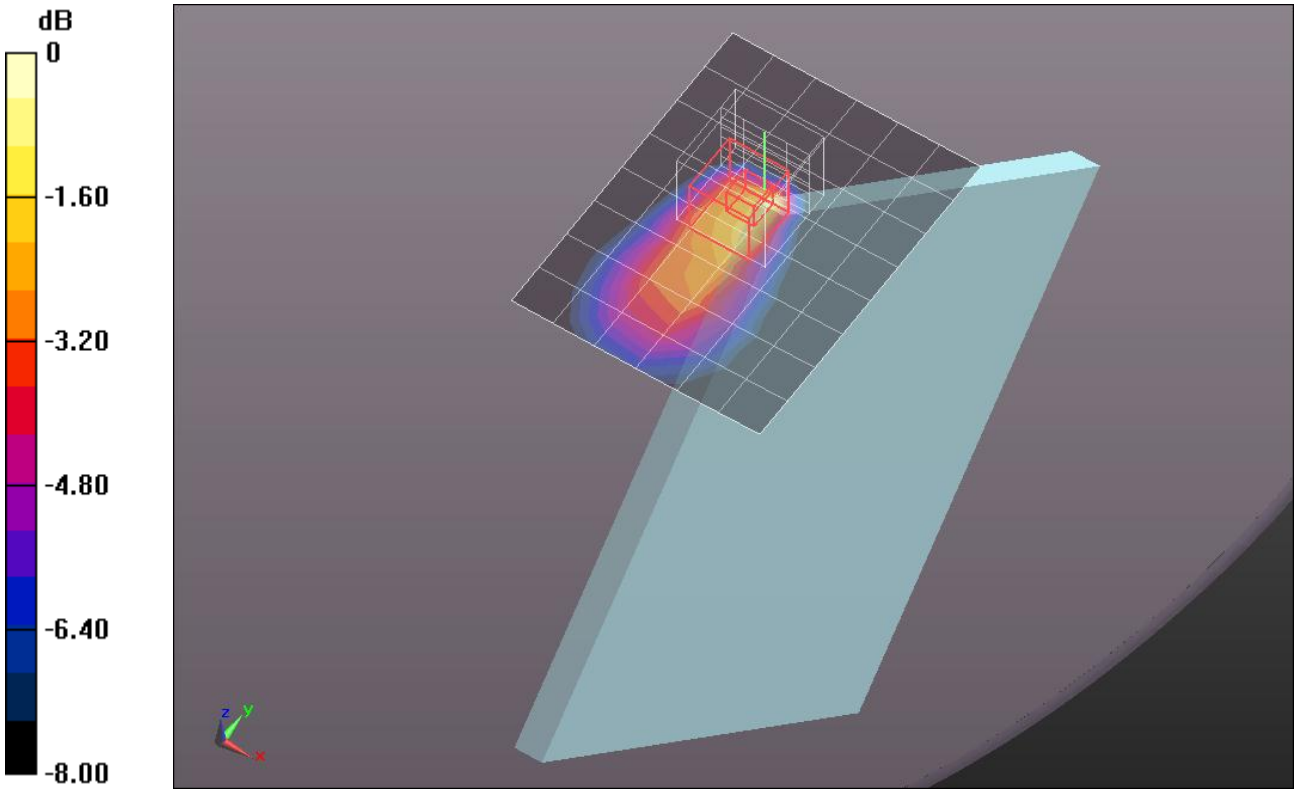
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.48 mho/m; ε_r = 53.126; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

27 deg Tilt @ Edge 1/QPSK_RB#50,0_Ch 20175/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.298 mW/g

27 deg Tilt @ Edge 1/QPSK_RB#50,0_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.766 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.5290
SAR(1 g) = 0.276 mW/g; SAR(10 g) = 0.153 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.386 mW/g



0 dB = 0.390mW/g = -8.18 dB mW/g

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

LTE Band 4

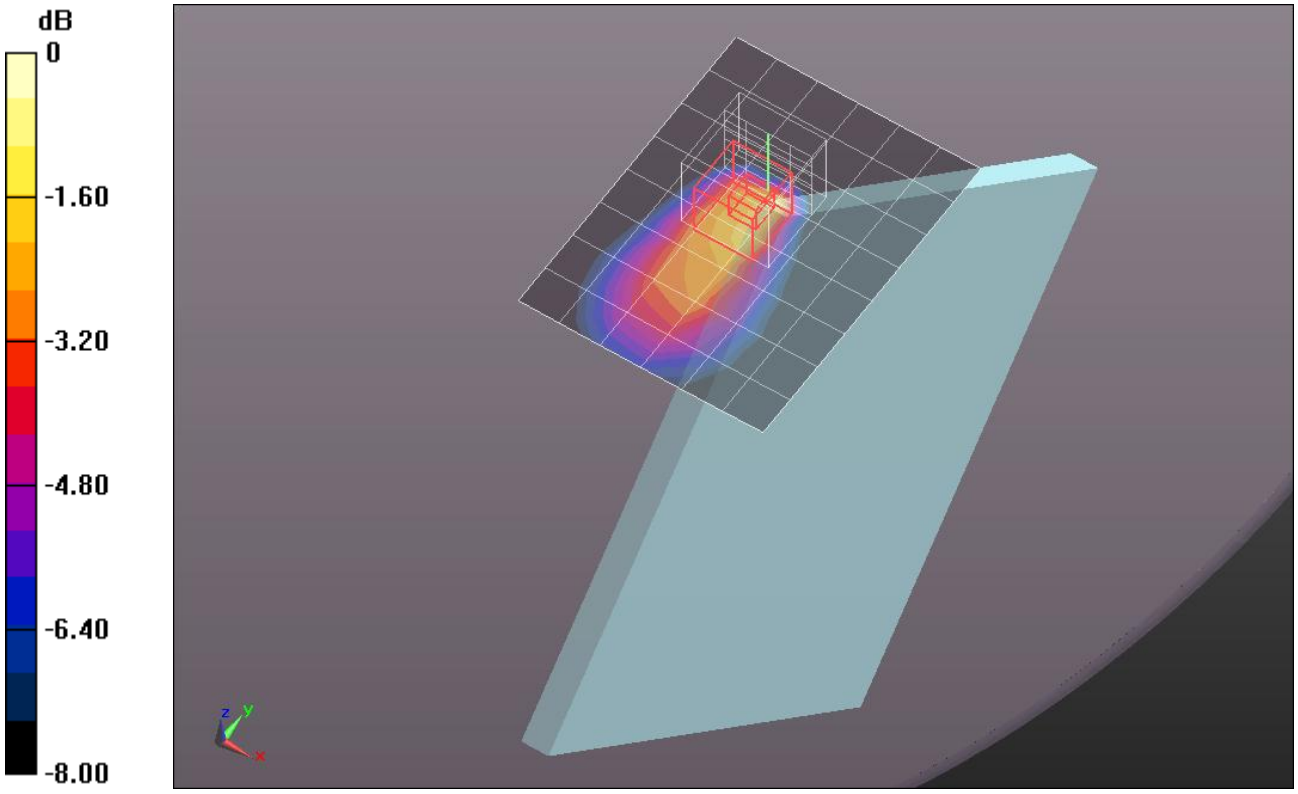
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.48 mho/m; ε_r = 53.126; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

27 deg Tilt @ Edge 1/QPSK_RB#50,24_Ch 20175/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.323 mW/g

27 deg Tilt @ Edge 1/QPSK_RB#50,24_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.546 V/m; Power Drift = 0.00023 dB
Peak SAR (extrapolated) = 0.5750
SAR(1 g) = 0.305 mW/g; SAR(10 g) = 0.168 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.422 mW/g



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

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

LTE Band 4

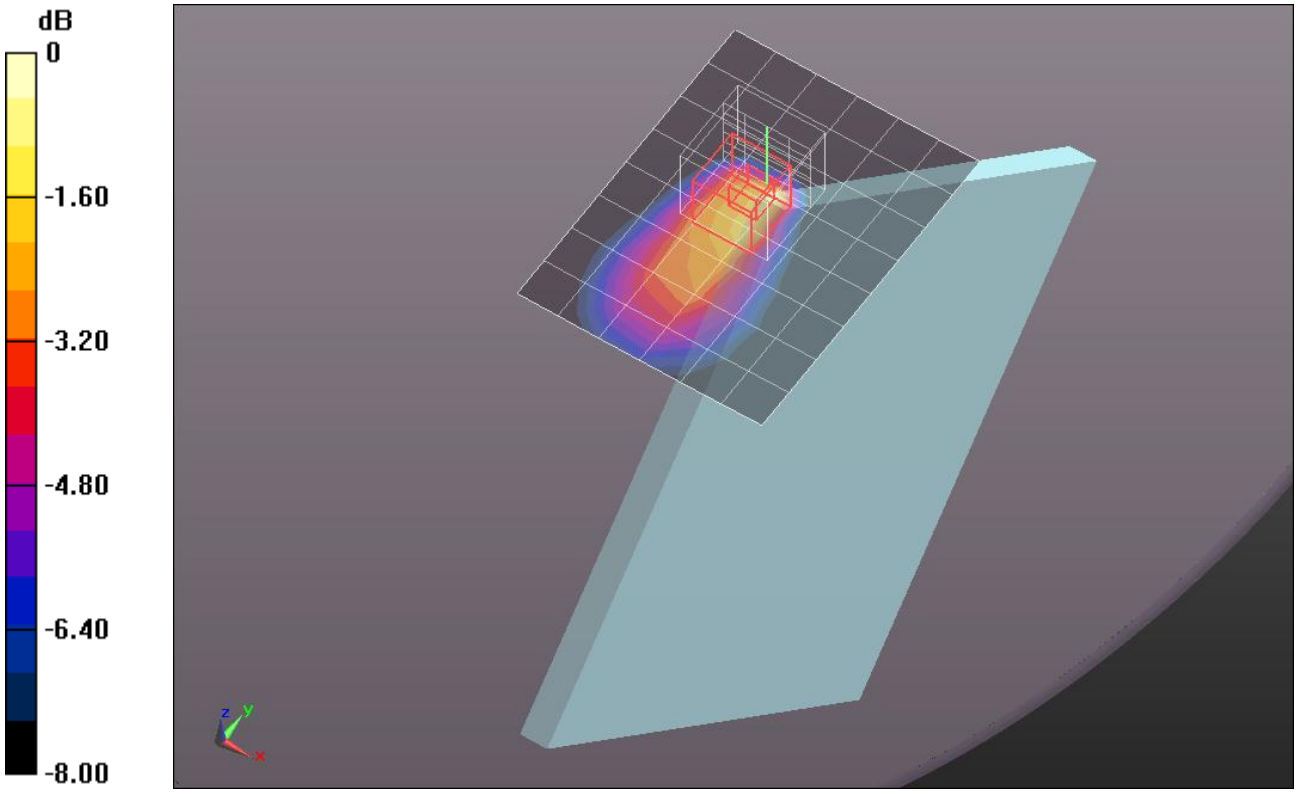
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.48 mho/m; ε_r = 53.126; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

27 deg Tilt @ Edge 1/QPSK_RB#50,49_Ch 20175/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.404 mW/g

27 deg Tilt @ Edge 1/QPSK_RB#50,49_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.410 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.7140
SAR(1 g) = 0.378 mW/g; SAR(10 g) = 0.208 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.523 mW/g



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

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

LTE Band 4

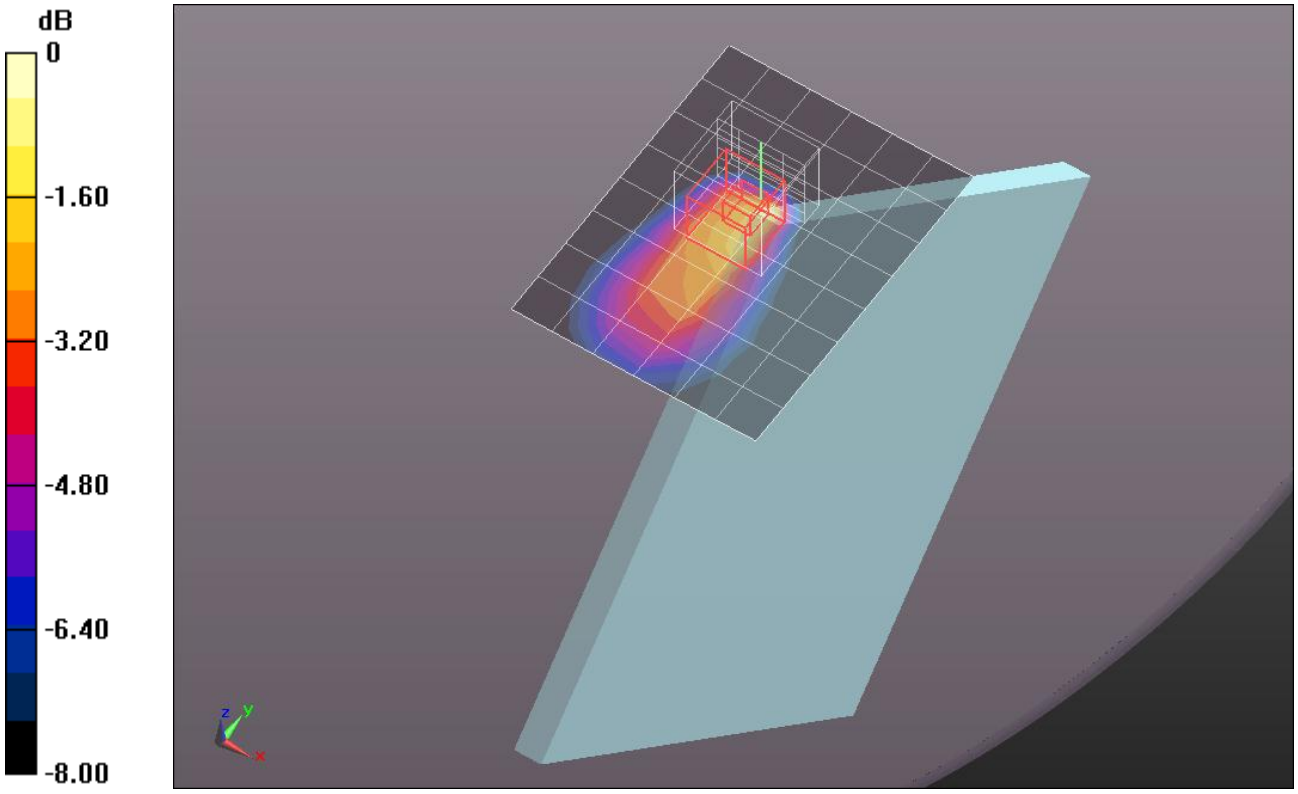
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.48 mho/m; ε_r = 53.126; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

27 deg Tilt @ Edge 1/QPSK_RB#100,0_Ch 20175/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.361 mW/g

27 deg Tilt @ Edge 1/QPSK_RB#100,0_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.374 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.6350
SAR(1 g) = 0.336 mW/g; SAR(10 g) = 0.186 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.466 mW/g



0 dB = 0.470mW/g = -6.56 dB mW/g

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

LTE Band 4

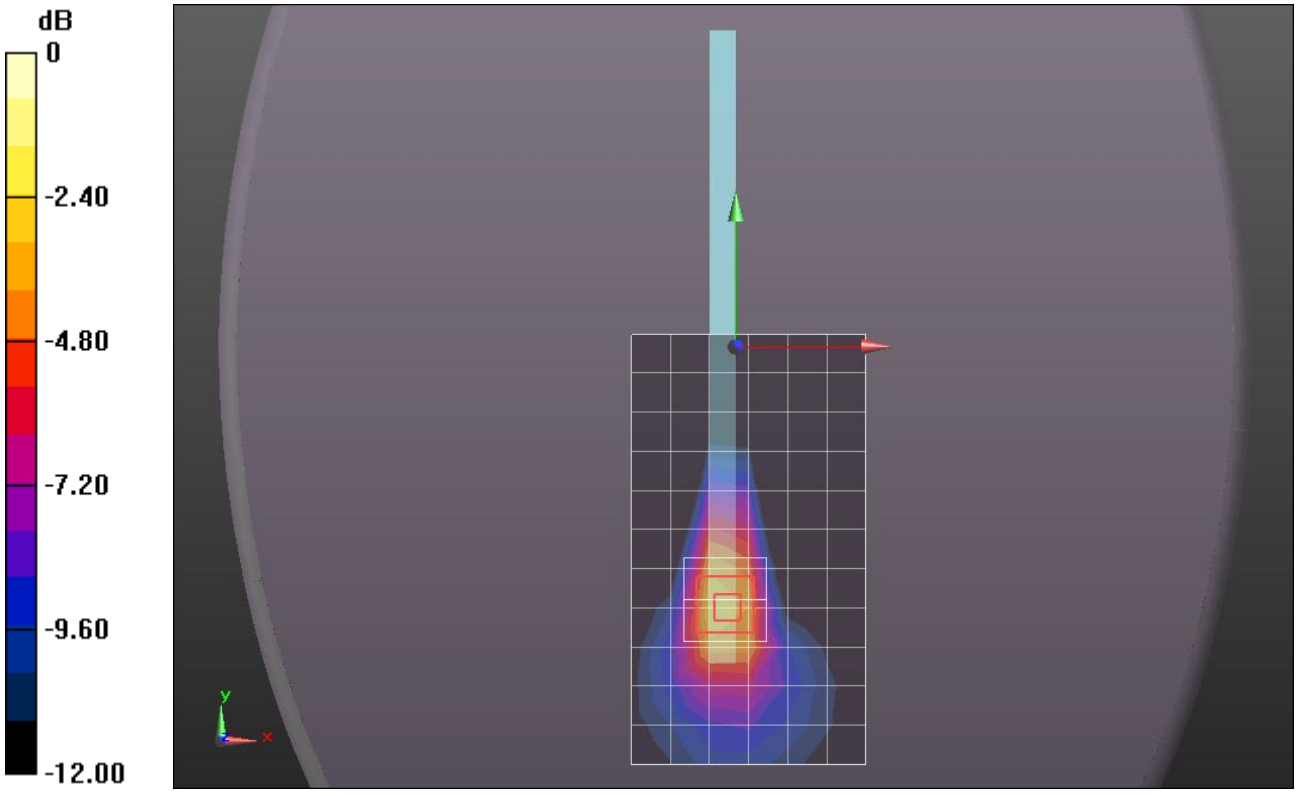
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.48 mho/m; ε_r = 53.126; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); Calibrated: 3/24/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1135

Edge 2/QPSK_RB#1,0_Ch 20175/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.306 mW/g

Edge 2/QPSK_RB#1,0_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.238 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.6500
SAR(1 g) = 0.337 mW/g; SAR(10 g) = 0.171 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.517 mW/g



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

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

LTE Band 4

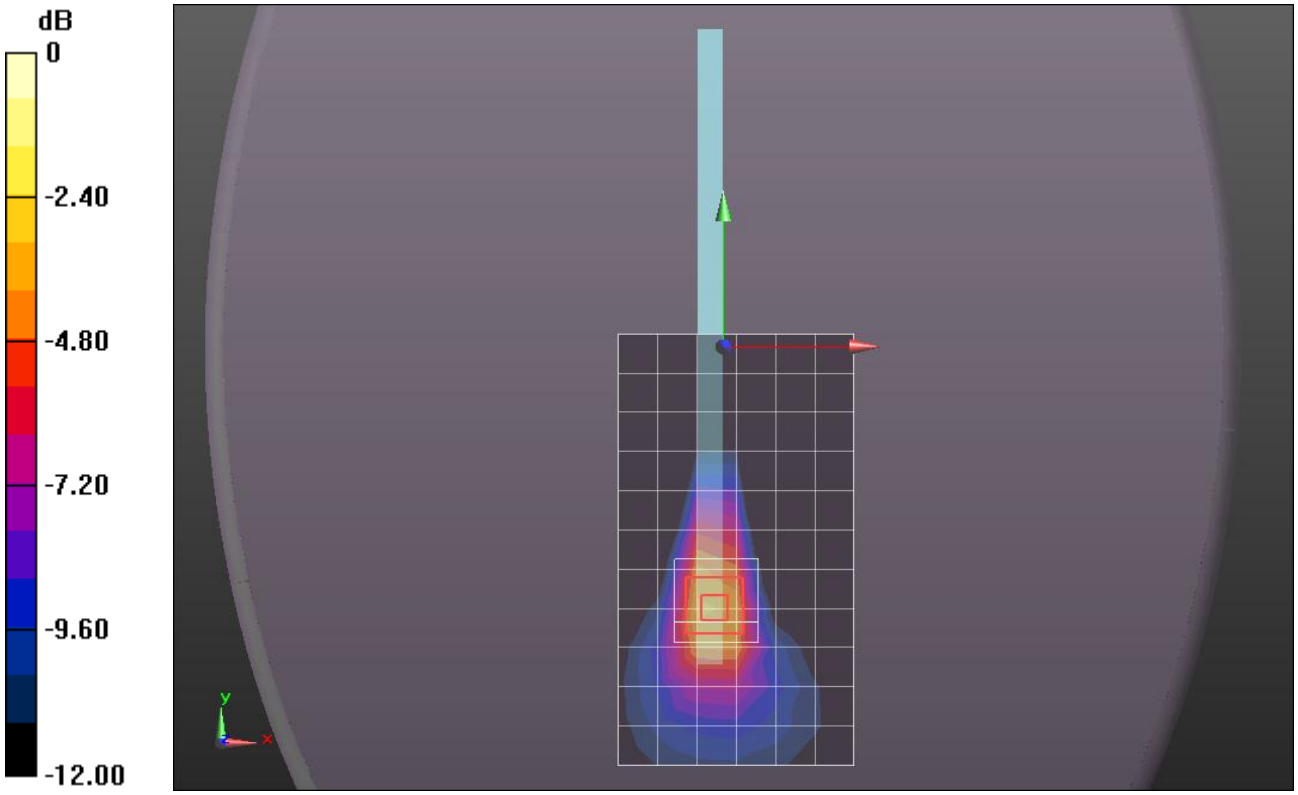
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.48 mho/m; ε_r = 53.126; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

Edge 2/QPSK_RB#1,49_Ch 20175/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.337 mW/g

Edge 2/QPSK_RB#1,49_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.087 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.8570
SAR(1 g) = 0.412 mW/g; SAR(10 g) = 0.205 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.658 mW/g



0 dB = 0.660mW/g = -3.61 dB mW/g

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

LTE Band 4

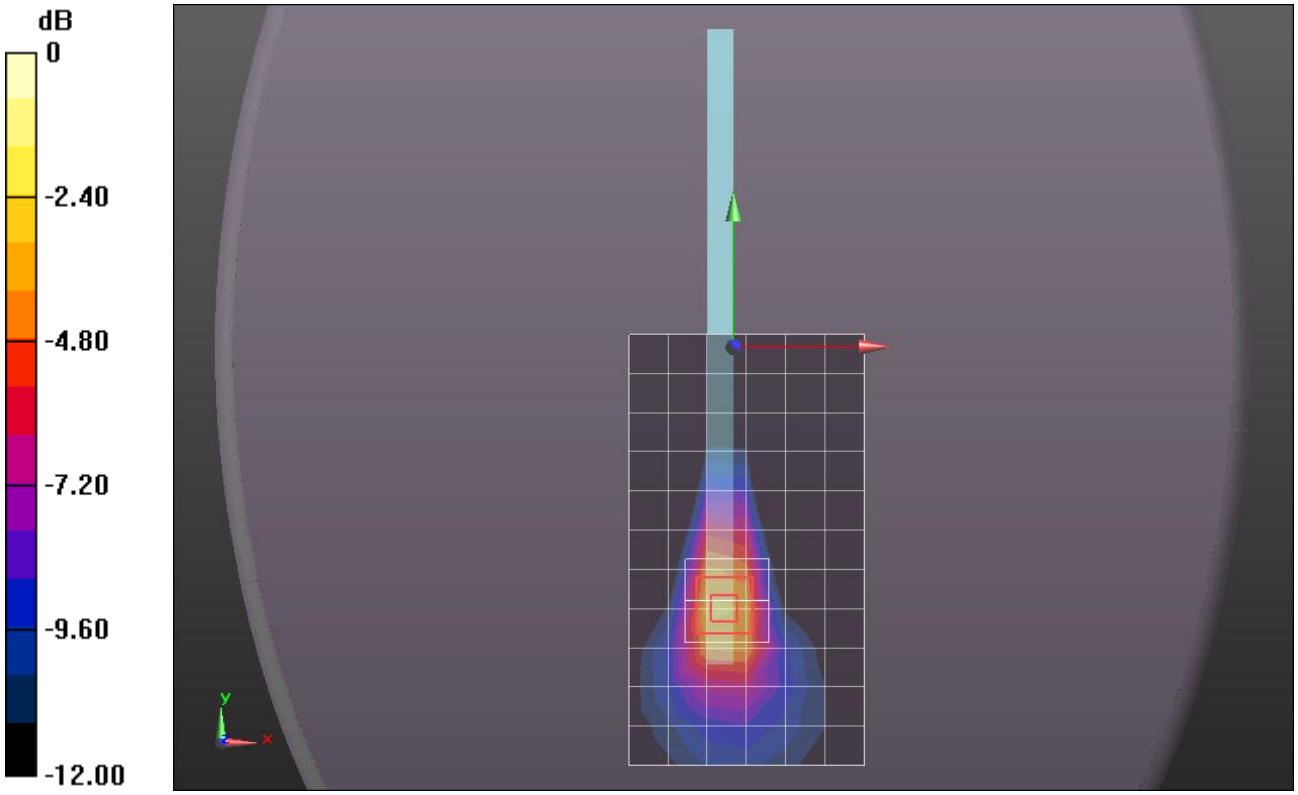
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.48 mho/m; ε_r = 53.126; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

Edge 2/QPSK_RB#1,99_Ch 20175/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.560 mW/g

Edge 2/QPSK_RB#1,99_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.006 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.3930
SAR(1 g) = 0.673 mW/g; SAR(10 g) = 0.336 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.081 mW/g



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

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

LTE Band 4

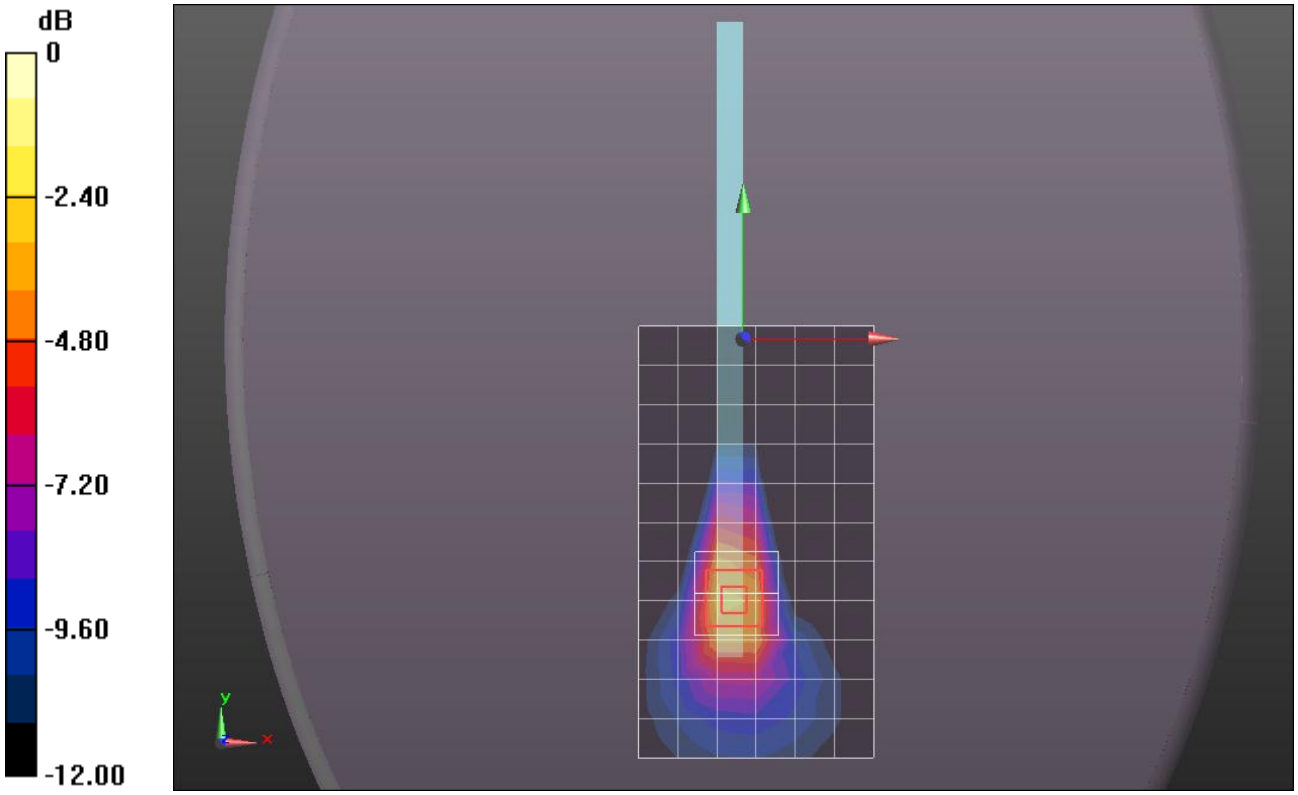
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.48 mho/m; ε_r = 53.126; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

Edge 2/QPSK_RB#50,0_Ch 20175/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.256 mW/g

Edge 2/QPSK_RB#50,0_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.272 V/m; Power Drift = 0.008 dB
Peak SAR (extrapolated) = 0.6160
SAR(1 g) = 0.298 mW/g; SAR(10 g) = 0.147 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.477 mW/g



0 dB = 0.480mW/g = -6.38 dB mW/g

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

LTE Band 4

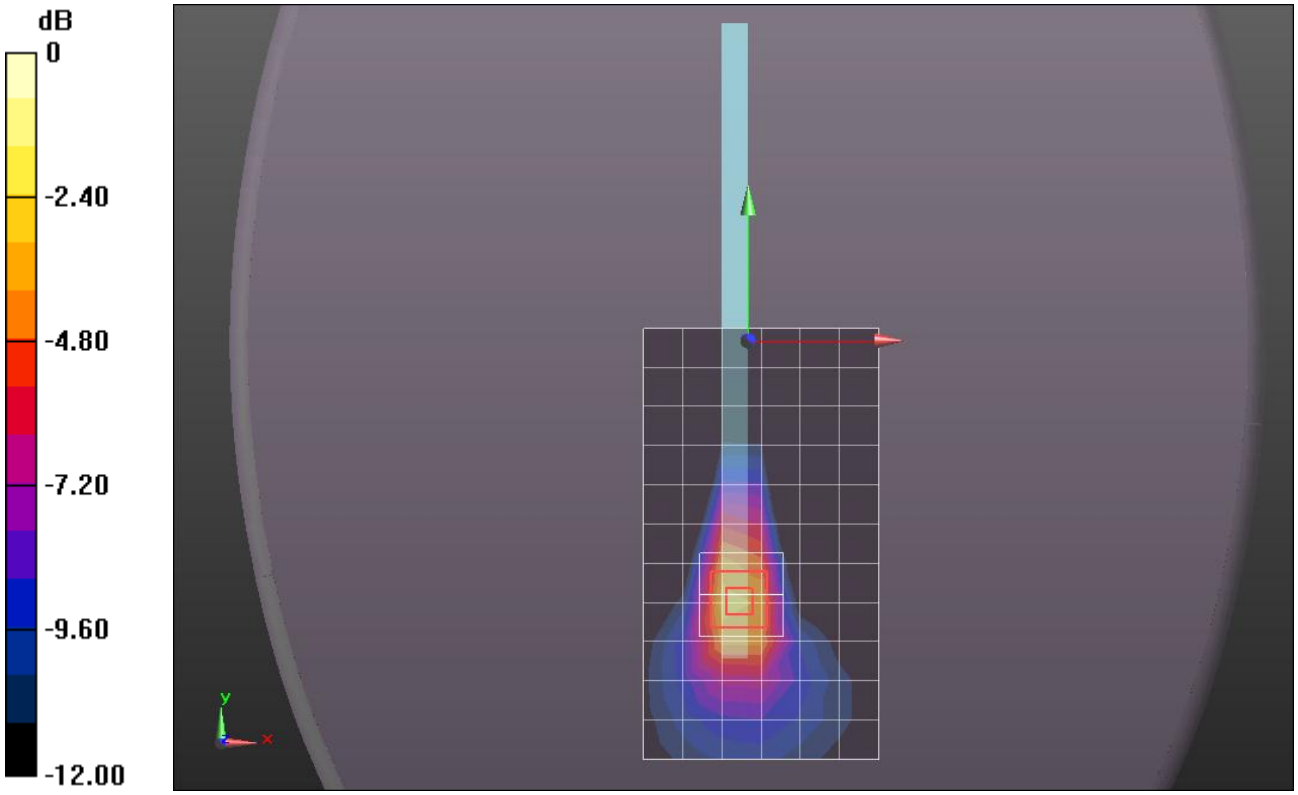
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.48 mho/m; ε_r = 53.126; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

Edge 2/QPSK_RB#50,24_Ch 20175/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.290 mW/g

Edge 2/QPSK_RB#50,24_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.496 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.7010
SAR(1 g) = 0.338 mW/g; SAR(10 g) = 0.168 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.541 mW/g



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

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

LTE Band 4

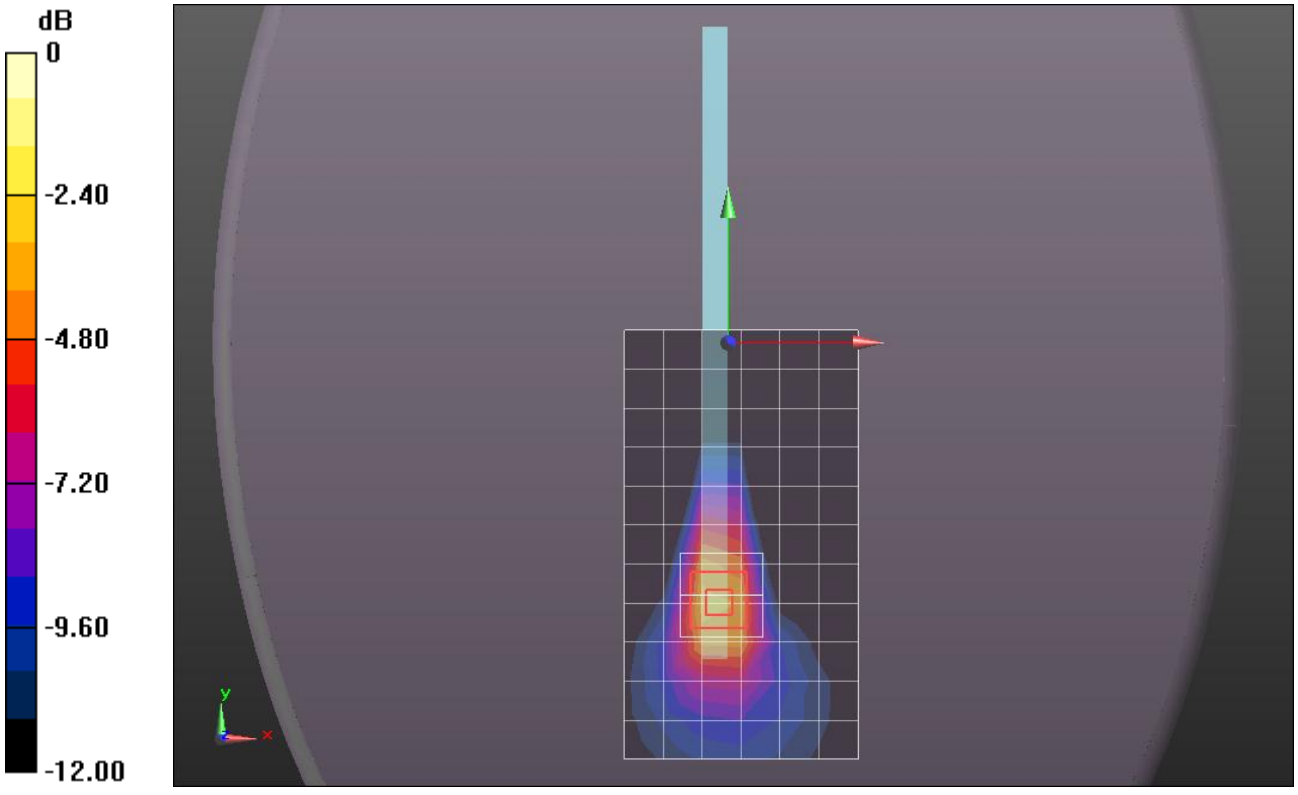
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.48 mho/m; ε_r = 53.126; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

Edge 2/QPSK_RB#50,49_Ch 20175/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.356 mW/g

Edge 2/QPSK_RB#50,49_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.464 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.8800
SAR(1 g) = 0.421 mW/g; SAR(10 g) = 0.209 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.675 mW/g



0 dB = 0.670mW/g = -3.48 dB mW/g

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

LTE Band 4

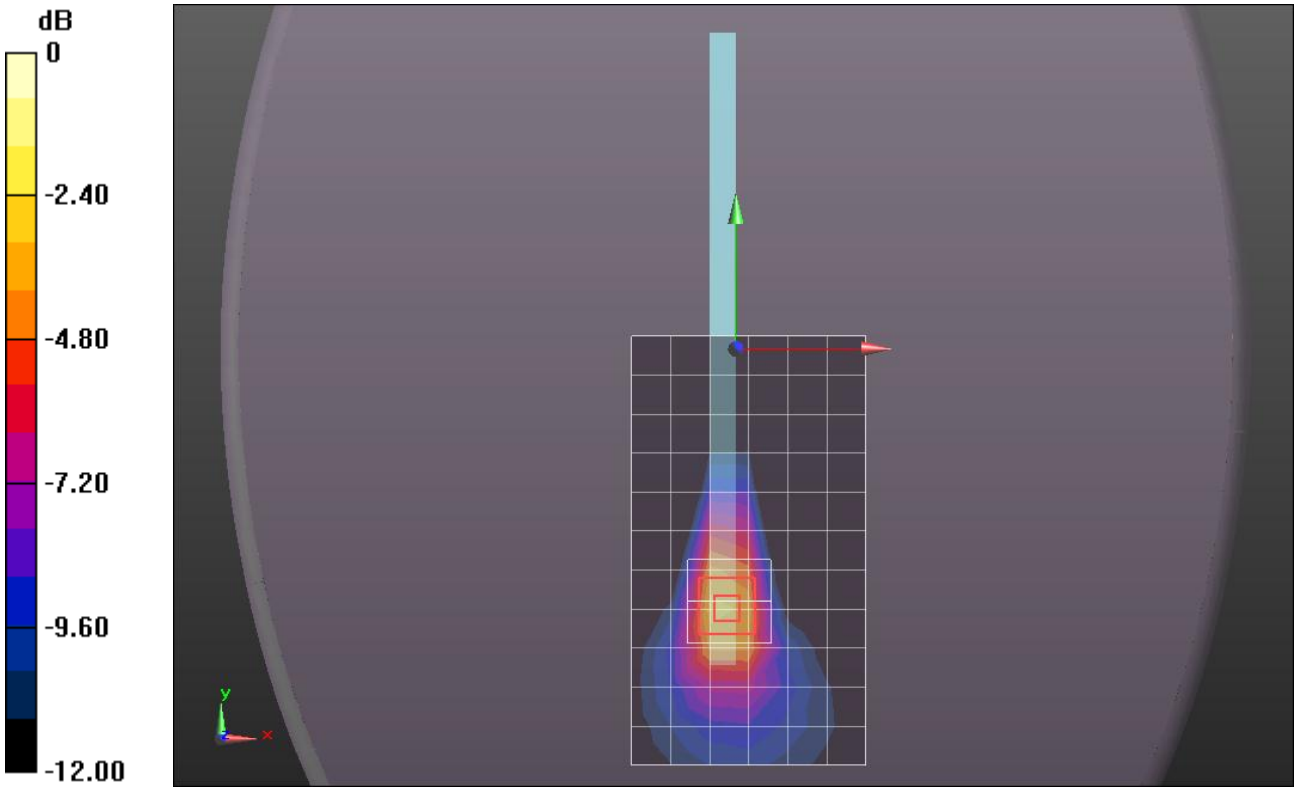
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.48 mho/m; ε_r = 53.126; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE4 Sn1278; Calibrated: 3/9/2012
- Probe: EX3DV4 - SN3676; ConvF(7.8, 7.8, 7.8); 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: 1135

Edge 2/QPSK_RB#100,0_Ch 20175/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.310 mW/g

Edge 2/QPSK_RB#100,0_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.210 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.7570
SAR(1 g) = 0.368 mW/g; SAR(10 g) = 0.183 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.587 mW/g



0 dB = 0.590mW/g = -4.58 dB mW/g