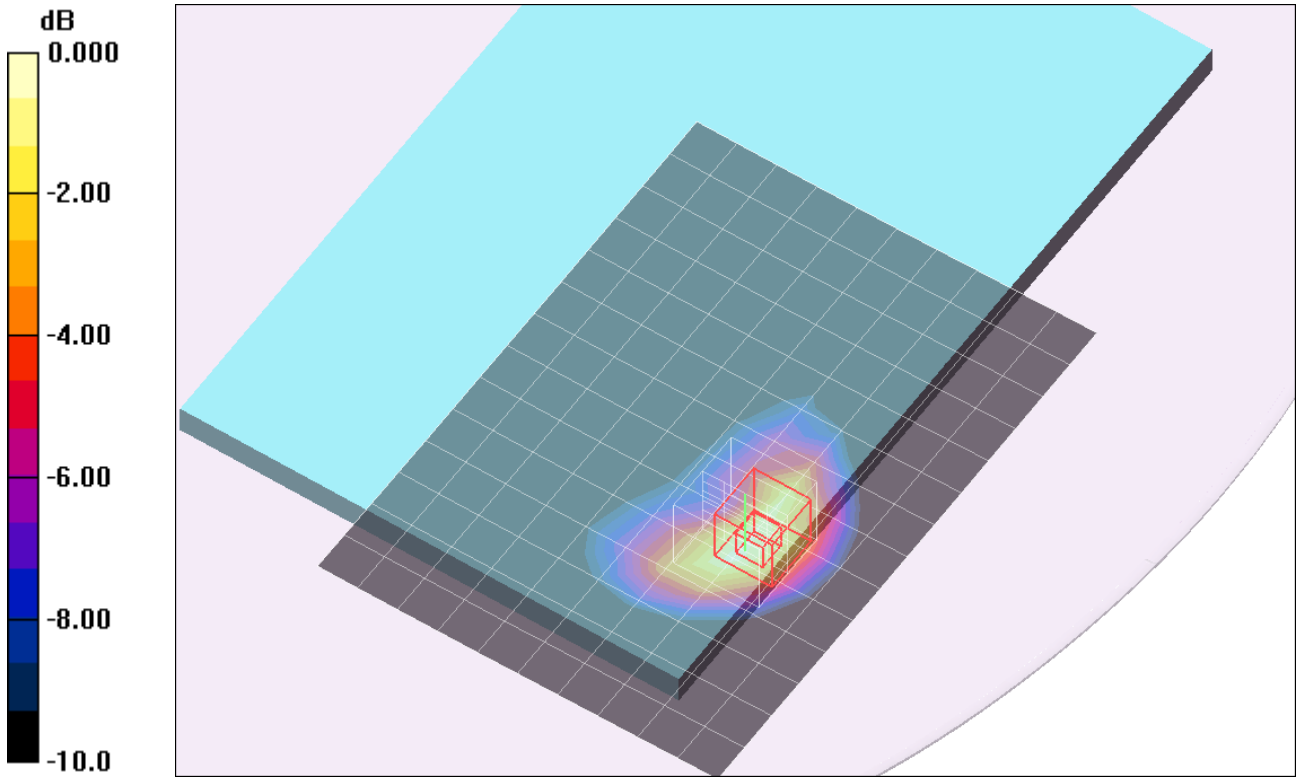
Test Laboratory: UL CCS SAR Lab D Date/Time: 9/21/2012

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 = 0.909 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 6/13/2012
- Probe: EX3DV4 - SN3749; ConvF(8.97, 8.97, 8.97); Calibrated: 1/27/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BB; Serial: SN:1017

Rear Touch/QPSK RB25_12/Ch23790/Area Scan (11x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.711 mW/g

Rear Touch/QPSK RB25_12/Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.4 V/m; Power Drift = -0.031 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.554 mW/g; SAR(10 g) = 0.310 mW/g
Maximum value of SAR (measured) = 0.744 mW/g



0 dB = 0.744mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 9/21/2012

LTE Band 17

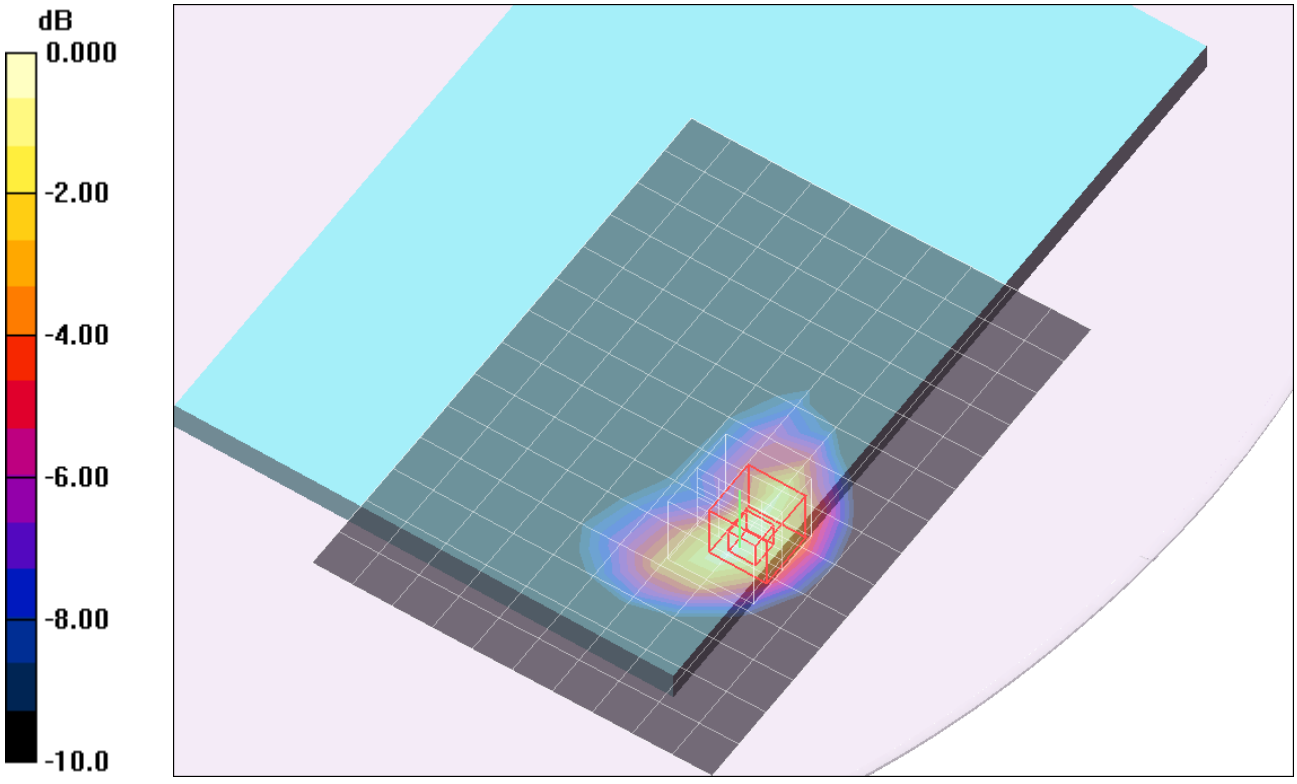
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.909 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 6/13/2012
- Probe: EX3DV4 - SN3749; ConvF(8.97, 8.97, 8.97); Calibrated: 1/27/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BB; Serial: SN:1017

Rear Touch/QPSK RB1_0/Ch23790/Area Scan (11x15x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.969 mW/g

Rear Touch/QPSK RB1_0/Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.5 V/m; Power Drift = -0.015 dB
Peak SAR (extrapolated) = 1.39 W/kg
SAR(1 g) = 0.775 mW/g; SAR(10 g) = 0.435 mW/g
Maximum value of SAR (measured) = 1.04 mW/g



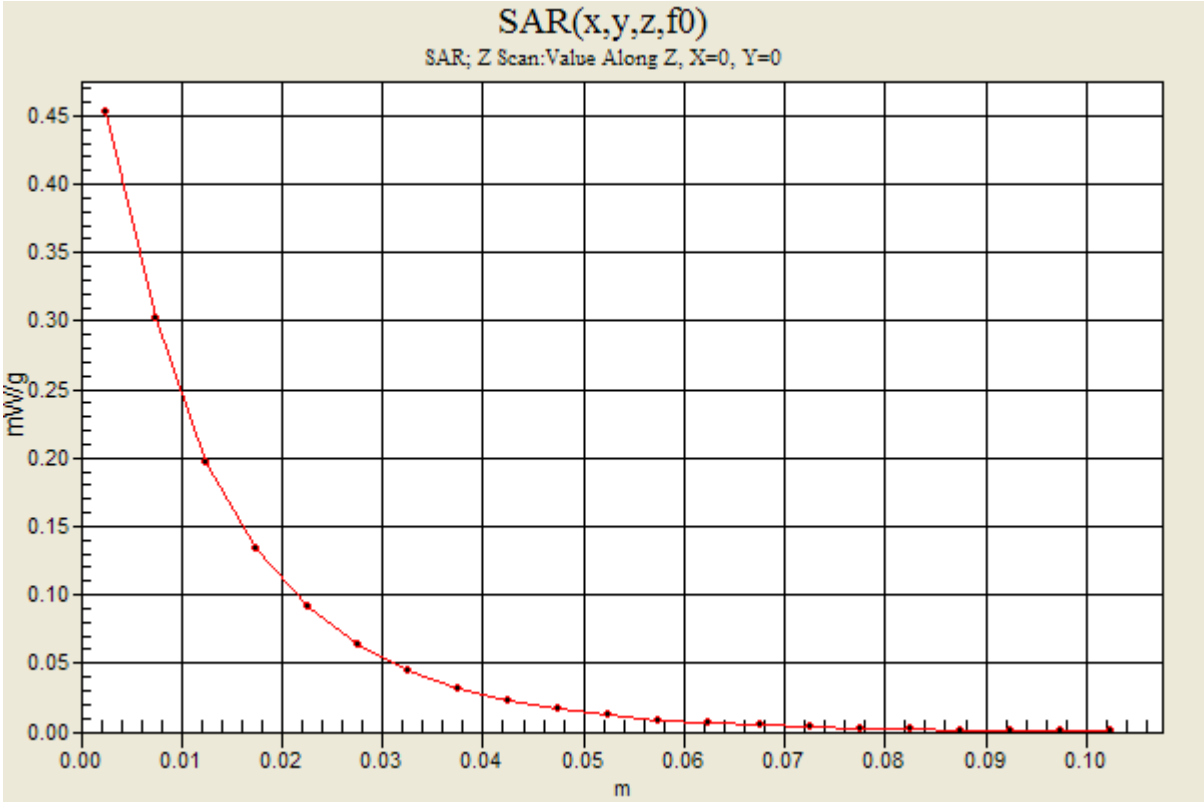
0 dB = 1.04mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 9/21/2012

LTE Band 17

Frequency: 710 MHz; Duty Cycle: 1:1

Rear Touch/QPSK RB1_0/Ch23790/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.453 mW/g



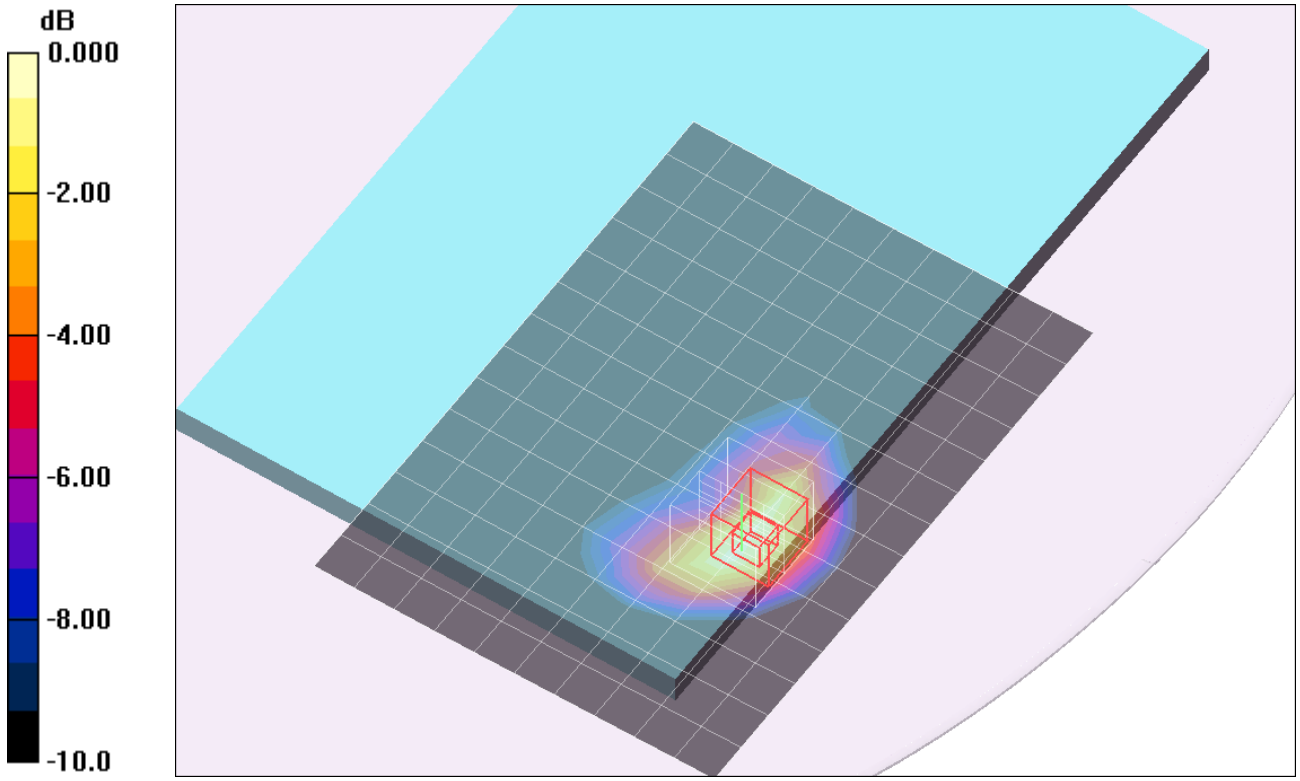
Test Laboratory: UL CCS SAR Lab D Date/Time: 9/21/2012

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 = 0.909 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 6/13/2012
- Probe: EX3DV4 - SN3749; ConvF(8.97, 8.97, 8.97); Calibrated: 1/27/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BB; Serial: SN:1017

Rear Touch/QPSK RB1_49/Ch23790/Area Scan (11x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.833 mW/g

Rear Touch/QPSK RB1_49/Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.6 V/m; Power Drift = -0.061 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.652 mW/g; SAR(10 g) = 0.367 mW/g
Maximum value of SAR (measured) = 0.873 mW/g



0 dB = 0.873mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 9/21/2012

LTE Band 17

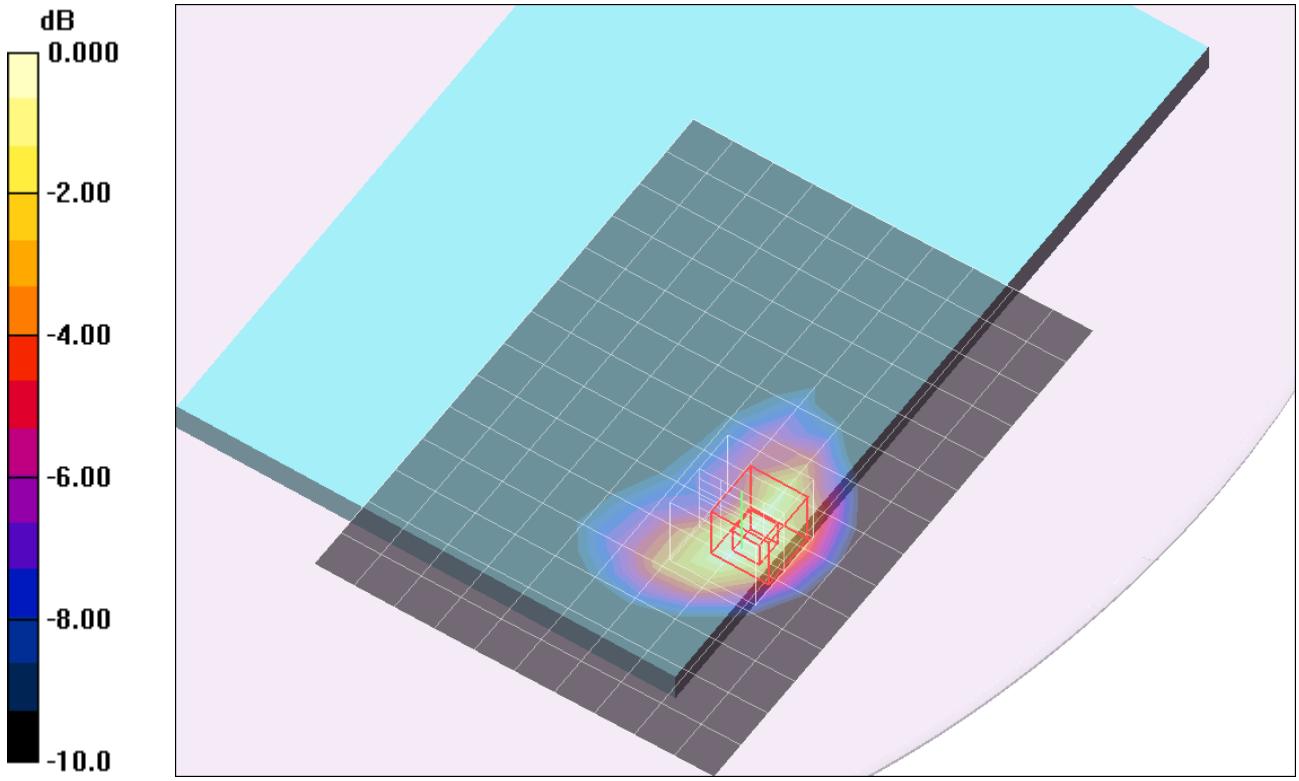
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.909 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 6/13/2012
- Probe: EX3DV4 - SN3749; ConvF(8.97, 8.97, 8.97); Calibrated: 1/27/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BB; Serial: SN:1017

Rear Touch/16QAM RB25_12/Ch23790/Area Scan (11x15x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.535 mW/g

Rear Touch/16QAM RB25_12/Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.5 V/m; Power Drift = 0.010 dB
Peak SAR (extrapolated) = 0.765 W/kg
SAR(1 g) = 0.429 mW/g; SAR(10 g) = 0.242 mW/g
Maximum value of SAR (measured) = 0.570 mW/g



0 dB = 0.570mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 9/21/2012

LTE Band 17

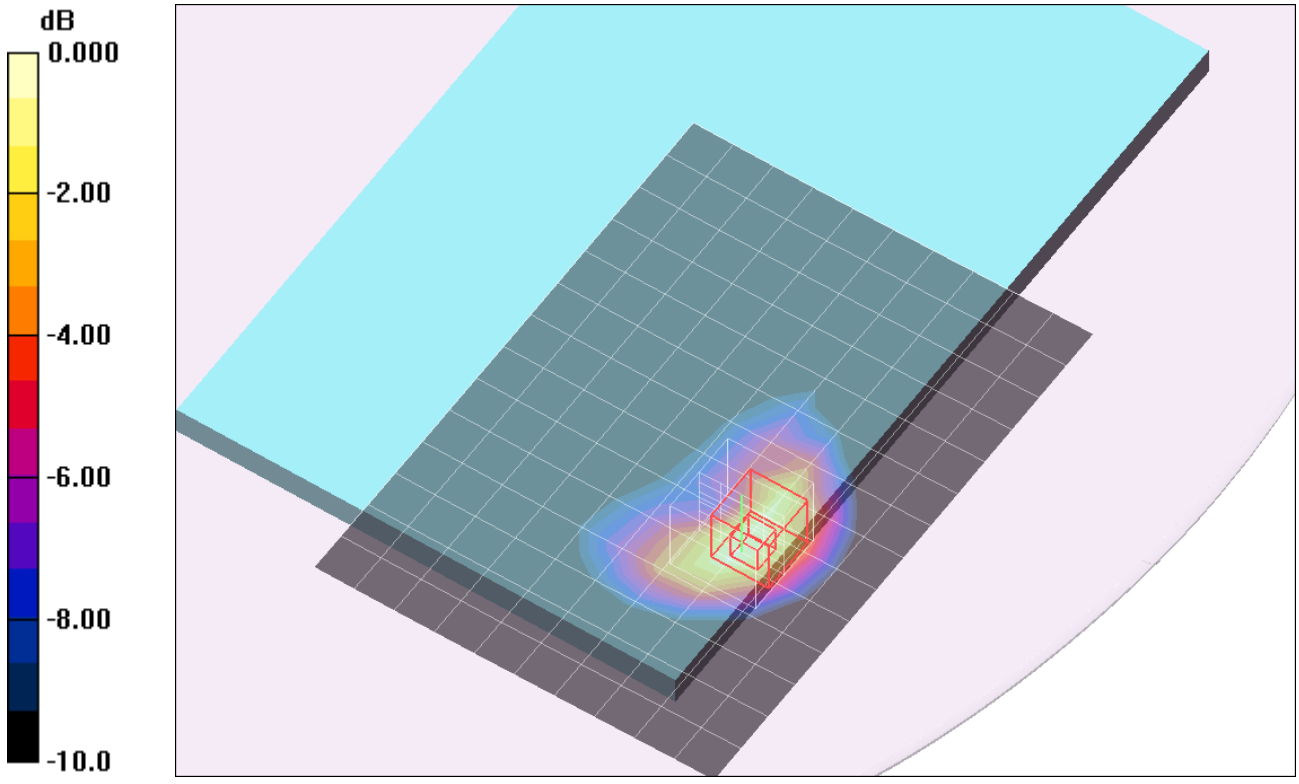
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.909 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 6/13/2012
- Probe: EX3DV4 - SN3749; ConvF(8.97, 8.97, 8.97); Calibrated: 1/27/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BB; Serial: SN:1017

Rear Touch/16QAM RB1_0/Ch23790/Area Scan (11x15x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.705 mW/g

Rear Touch/16QAM RB1_0/Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.3 V/m; Power Drift = -0.002 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.576 mW/g; SAR(10 g) = 0.324 mW/g
Maximum value of SAR (measured) = 0.779 mW/g



0 dB = 0.779mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 9/21/2012

LTE Band 17

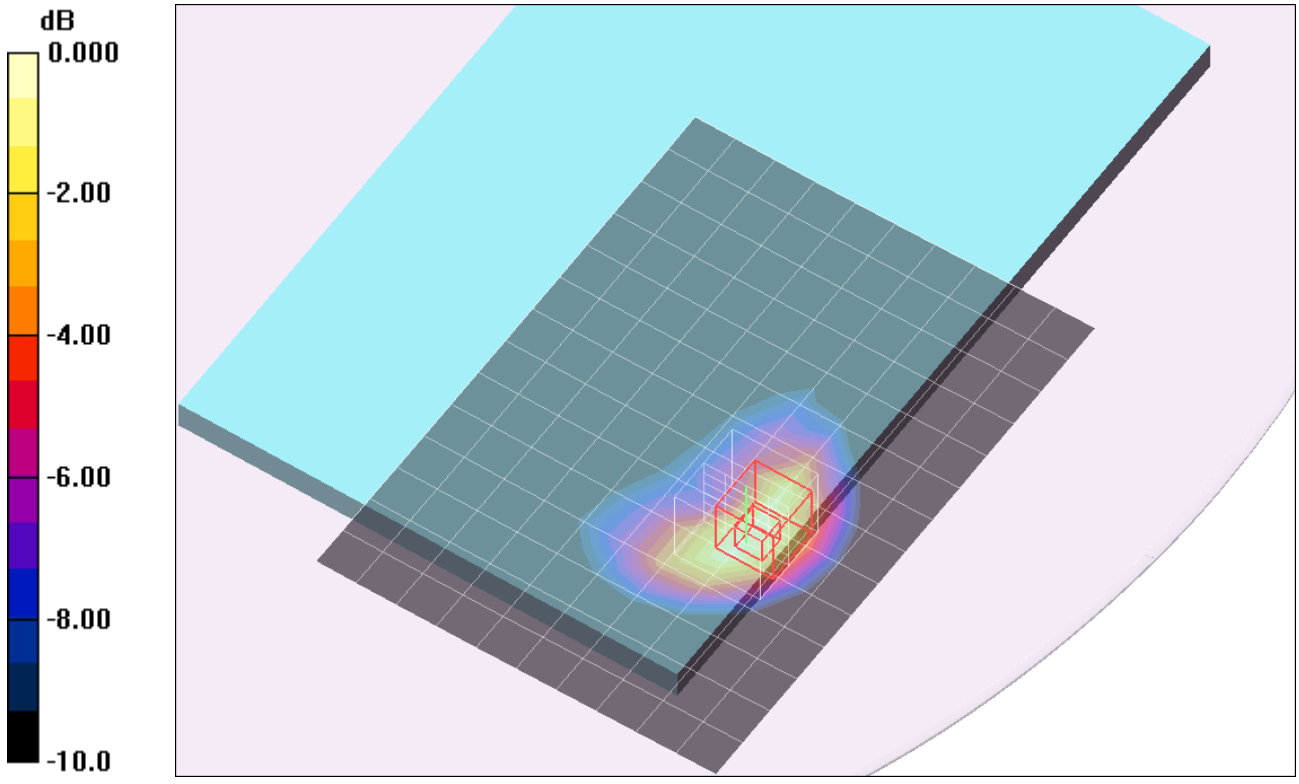
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.909 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 6/13/2012
- Probe: EX3DV4 - SN3749; ConvF(8.97, 8.97, 8.97); Calibrated: 1/27/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BB; Serial: SN:1017

Rear Touch/16QAM RB1_49/Ch23790/Area Scan (11x15x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.606 mW/g

Rear Touch/16QAM RB1_49/Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.3 V/m; Power Drift = 0.018 dB
Peak SAR (extrapolated) = 0.877 W/kg
SAR(1 g) = 0.491 mW/g; SAR(10 g) = 0.278 mW/g
Maximum value of SAR (measured) = 0.658 mW/g



0 dB = 0.658mW/g

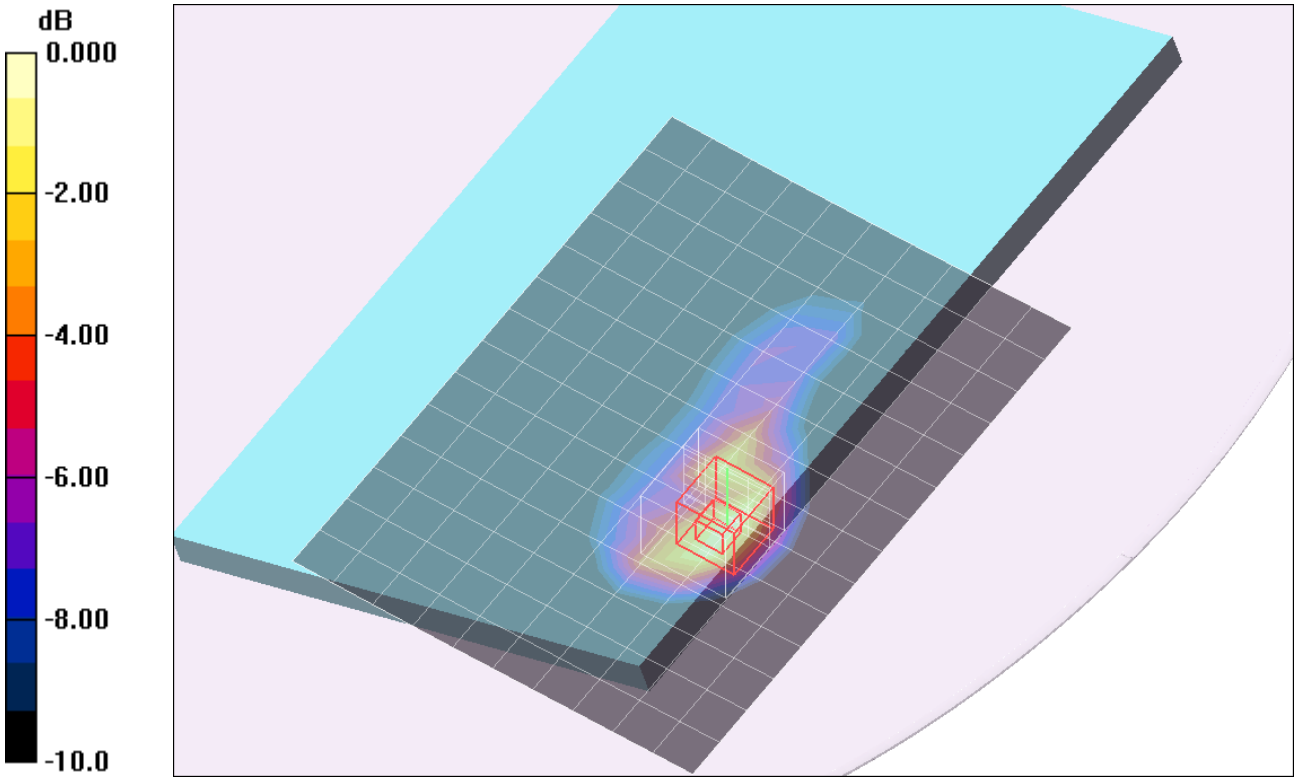
Test Laboratory: UL CCS SAR Lab D Date/Time: 9/21/2012

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 = 0.909 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 6/13/2012
- Probe: EX3DV4 - SN3749; ConvF(8.97, 8.97, 8.97); Calibrated: 1/27/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BB; Serial: SN:1017

Rear Tilt@Edge 1/QPSK RB25_12/Ch23790/Area Scan (11x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.624 mW/g

Rear Tilt@Edge 1/QPSK RB25_12/Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.9 V/m; Power Drift = 0.108 dB
Peak SAR (extrapolated) = 0.989 W/kg
SAR(1 g) = 0.521 mW/g; SAR(10 g) = 0.281 mW/g
Maximum value of SAR (measured) = 0.698 mW/g



0 dB = 0.698mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 9/21/2012

LTE Band 17

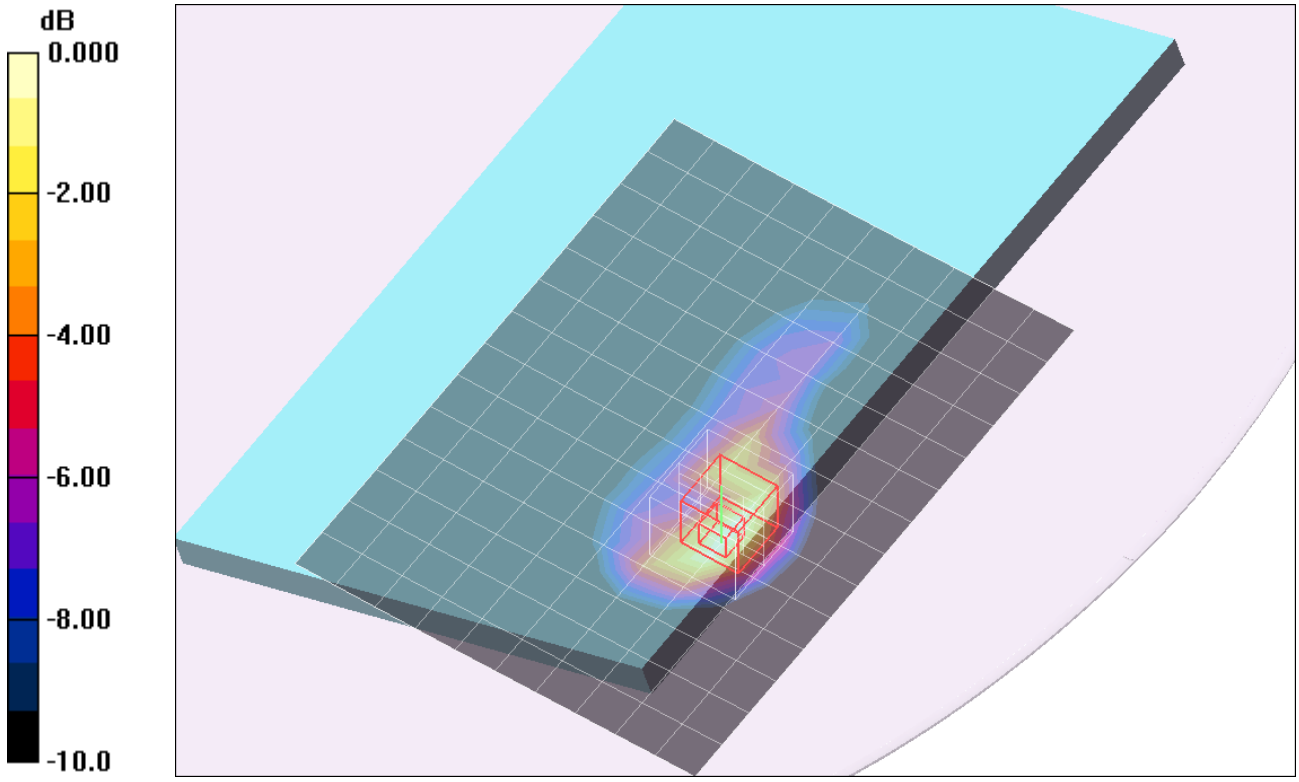
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.909 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 6/13/2012
- Probe: EX3DV4 - SN3749; ConvF(8.97, 8.97, 8.97); Calibrated: 1/27/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BB; Serial: SN:1017

Rear Tilt@Edge 1/QPSK RB1_0/Ch23790/Area Scan (11x15x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.948 mW/g

Rear Tilt@Edge 1/QPSK RB1_0/Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.1 V/m; Power Drift = 0.120 dB
Peak SAR (extrapolated) = 1.46 W/kg
SAR(1 g) = 0.748 mW/g; SAR(10 g) = 0.399 mW/g
Maximum value of SAR (measured) = 0.956 mW/g



0 dB = 0.956mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 9/21/2012

LTE Band 17

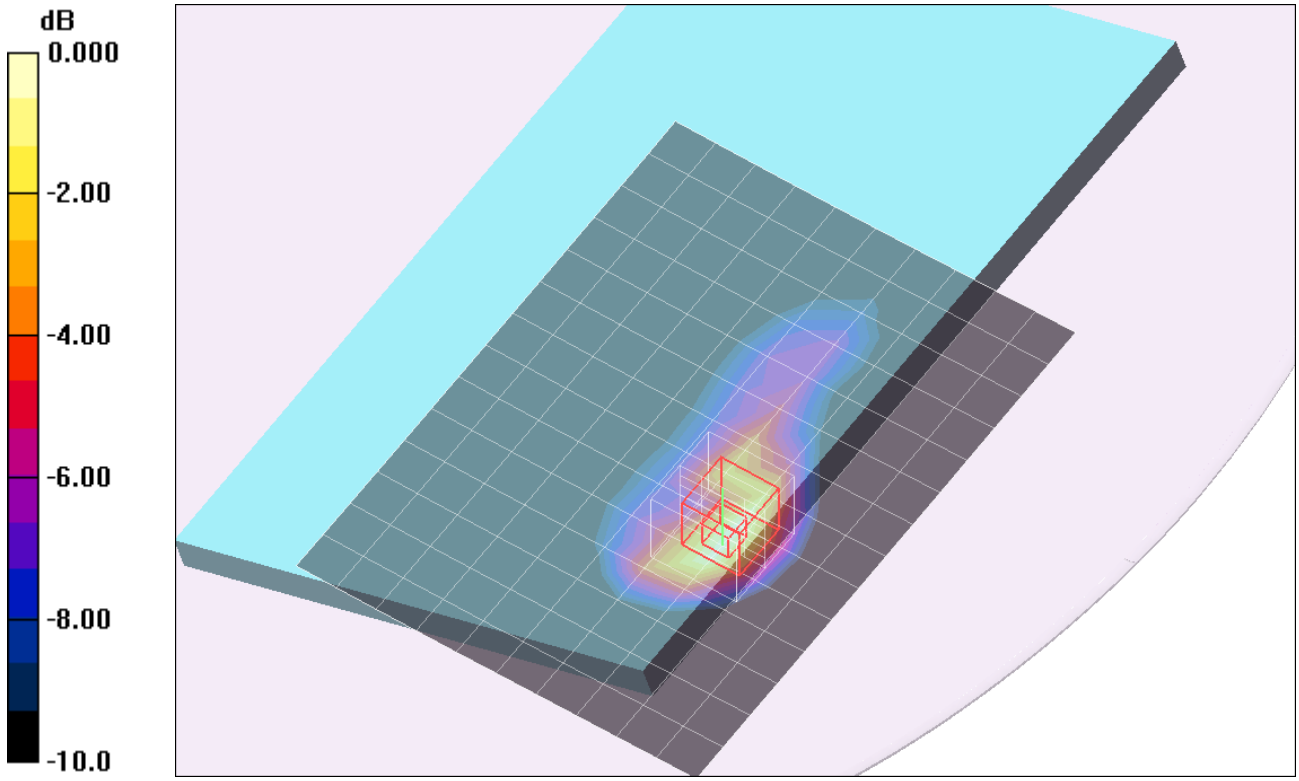
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.909 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 6/13/2012
- Probe: EX3DV4 - SN3749; ConvF(8.97, 8.97, 8.97); Calibrated: 1/27/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BB; Serial: SN:1017

Rear Tilt@Edge 1/QPSK RB1_49/Ch23790/Area Scan (11x15x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.791 mW/g

Rear Tilt@Edge 1/QPSK RB1_49/Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.6 V/m; Power Drift = 0.162 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 0.640 mW/g; SAR(10 g) = 0.343 mW/g
Maximum value of SAR (measured) = 0.809 mW/g



0 dB = 0.809mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 9/21/2012

LTE Band 17

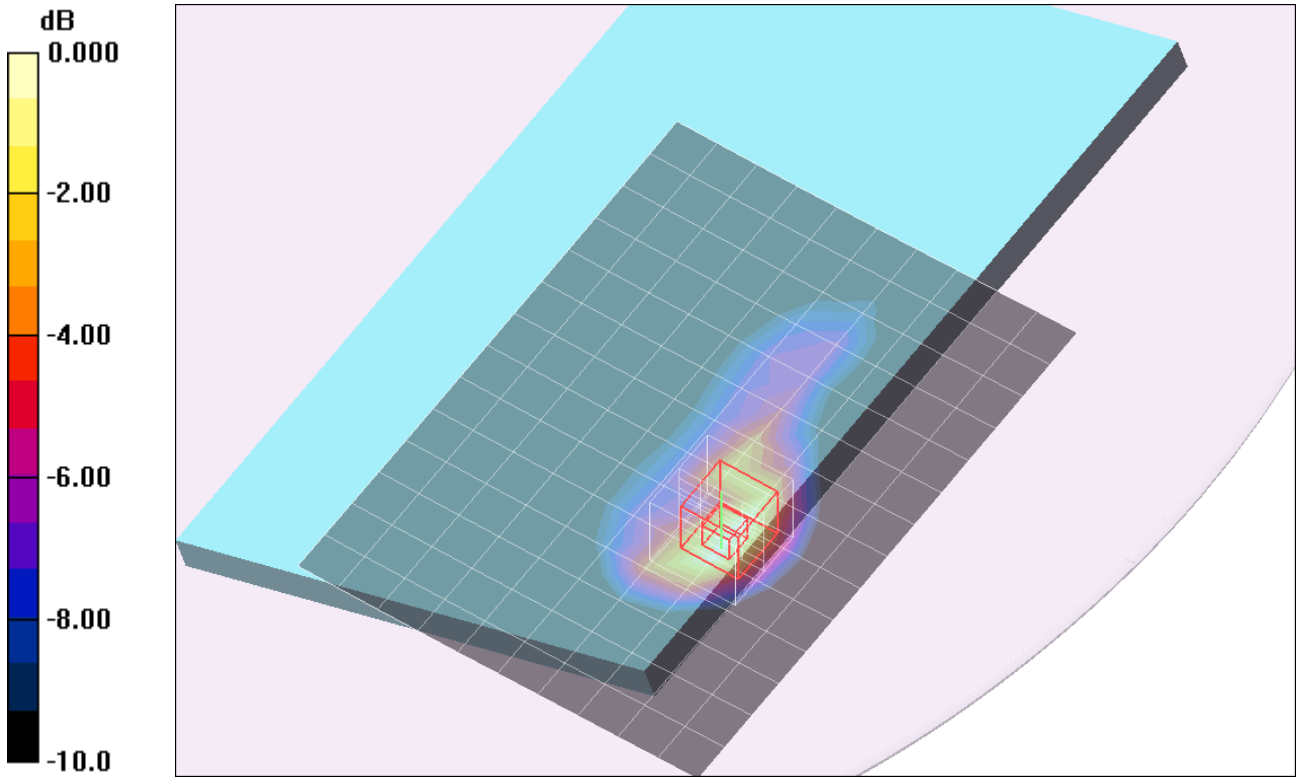
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.909 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 6/13/2012
- Probe: EX3DV4 - SN3749; ConvF(8.97, 8.97, 8.97); Calibrated: 1/27/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BB; Serial: SN:1017

Rear Tilt@Edge 1/16QAM RB25_12/Ch23790/Area Scan (11x15x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.535 mW/g

Rear Tilt@Edge 1/16QAM RB25_12/Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.5 V/m; Power Drift = 0.032 dB
Peak SAR (extrapolated) = 0.830 W/kg
SAR(1 g) = 0.426 mW/g; SAR(10 g) = 0.227 mW/g
Maximum value of SAR (measured) = 0.537 mW/g



0 dB = 0.537mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 9/21/2012

LTE Band 17

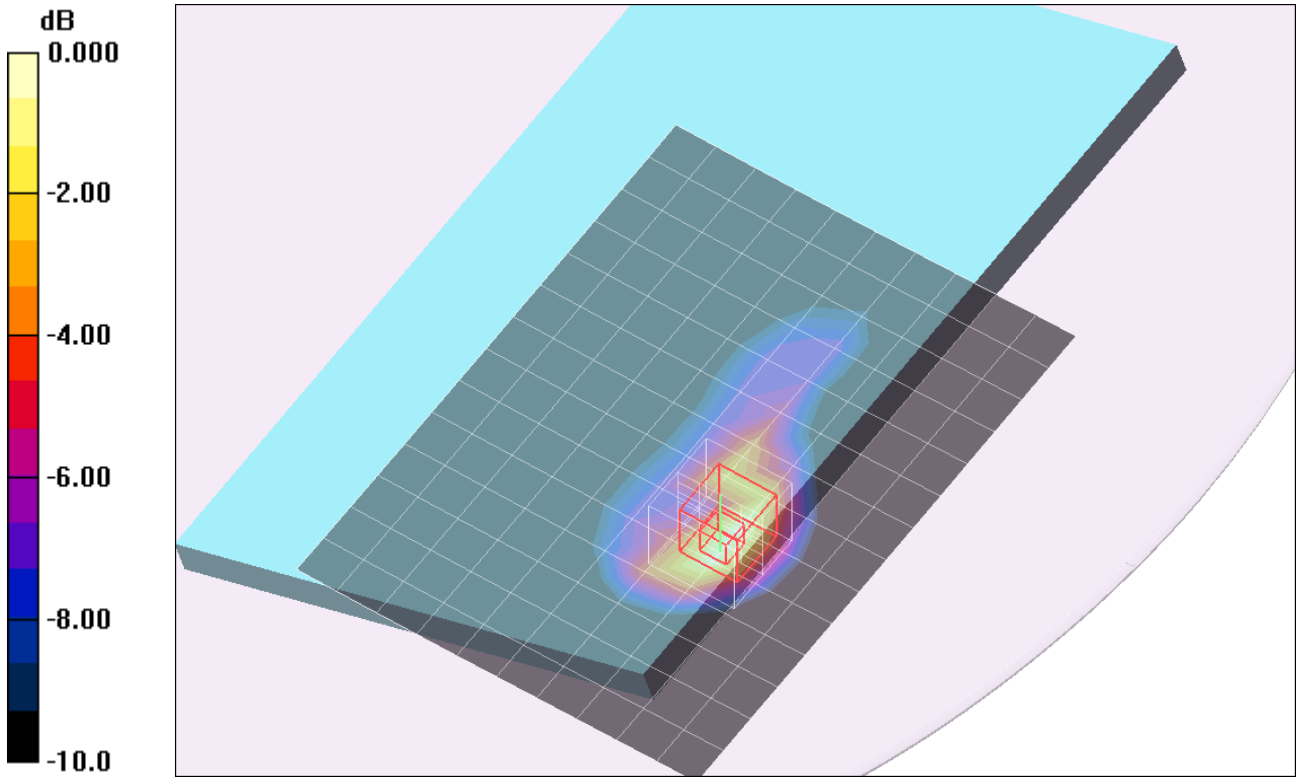
Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.909 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 6/13/2012
- Probe: EX3DV4 - SN3749; ConvF(8.97, 8.97, 8.97); Calibrated: 1/27/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BB; Serial: SN:1017

Rear Tilt@Edge 1/16QAM RB1_0/Ch23790/Area Scan (11x15x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.703 mW/g

Rear Tilt@Edge 1/16QAM RB1_0/Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.9 V/m; Power Drift = 0.151 dB
Peak SAR (extrapolated) = 1.13 W/kg
SAR(1 g) = 0.576 mW/g; SAR(10 g) = 0.309 mW/g
Maximum value of SAR (measured) = 0.740 mW/g



0 dB = 0.740mW/g

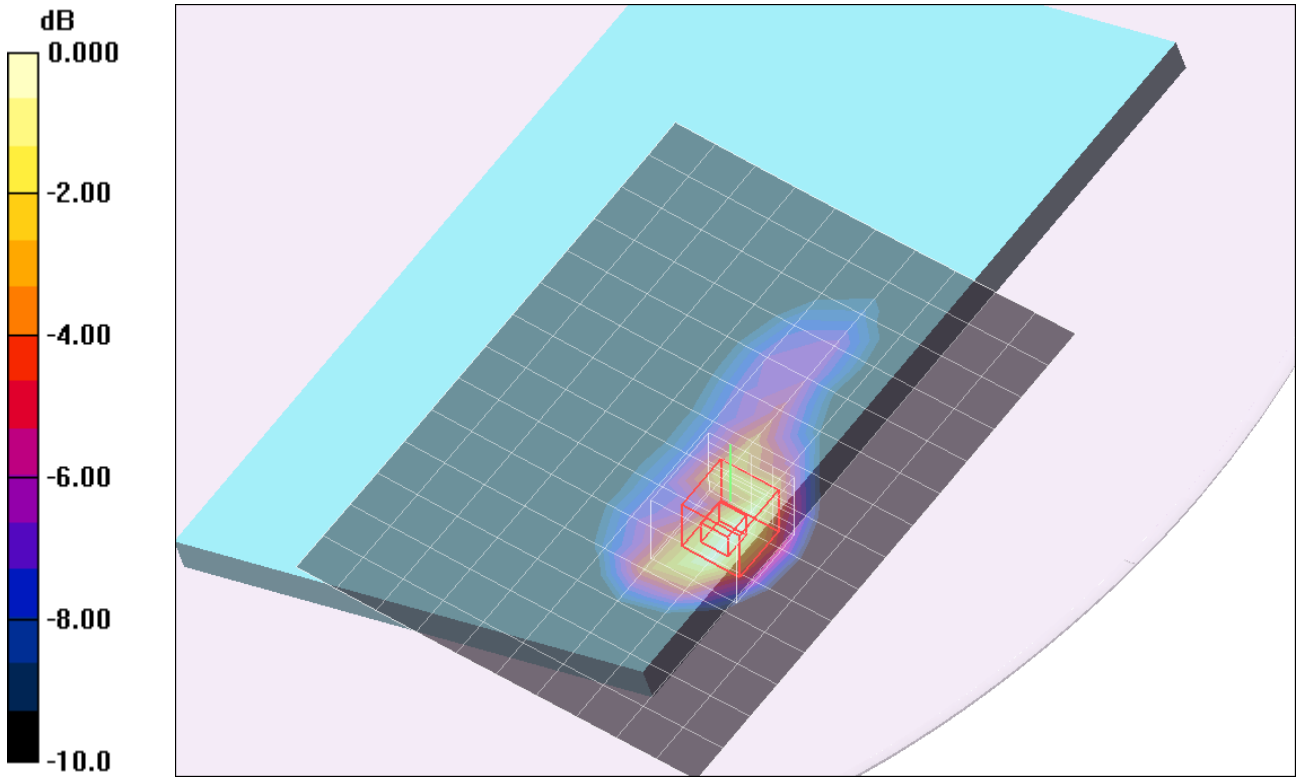
Test Laboratory: UL CCS SAR Lab D Date/Time: 9/21/2012

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 = 0.909 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 6/13/2012
- Probe: EX3DV4 - SN3749; ConvF(8.97, 8.97, 8.97); Calibrated: 1/27/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BB; Serial: SN:1017

Rear Tilt@Edge 1/16QAM RB1_49/Ch23790/Area Scan (11x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.606 mW/g

Rear Tilt@Edge 1/16QAM RB1_49/Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.6 V/m; Power Drift = 0.114 dB
Peak SAR (extrapolated) = 0.944 W/kg
SAR(1 g) = 0.492 mW/g; SAR(10 g) = 0.262 mW/g
Maximum value of SAR (measured) = 0.611 mW/g



0 dB = 0.611mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 9/21/2012

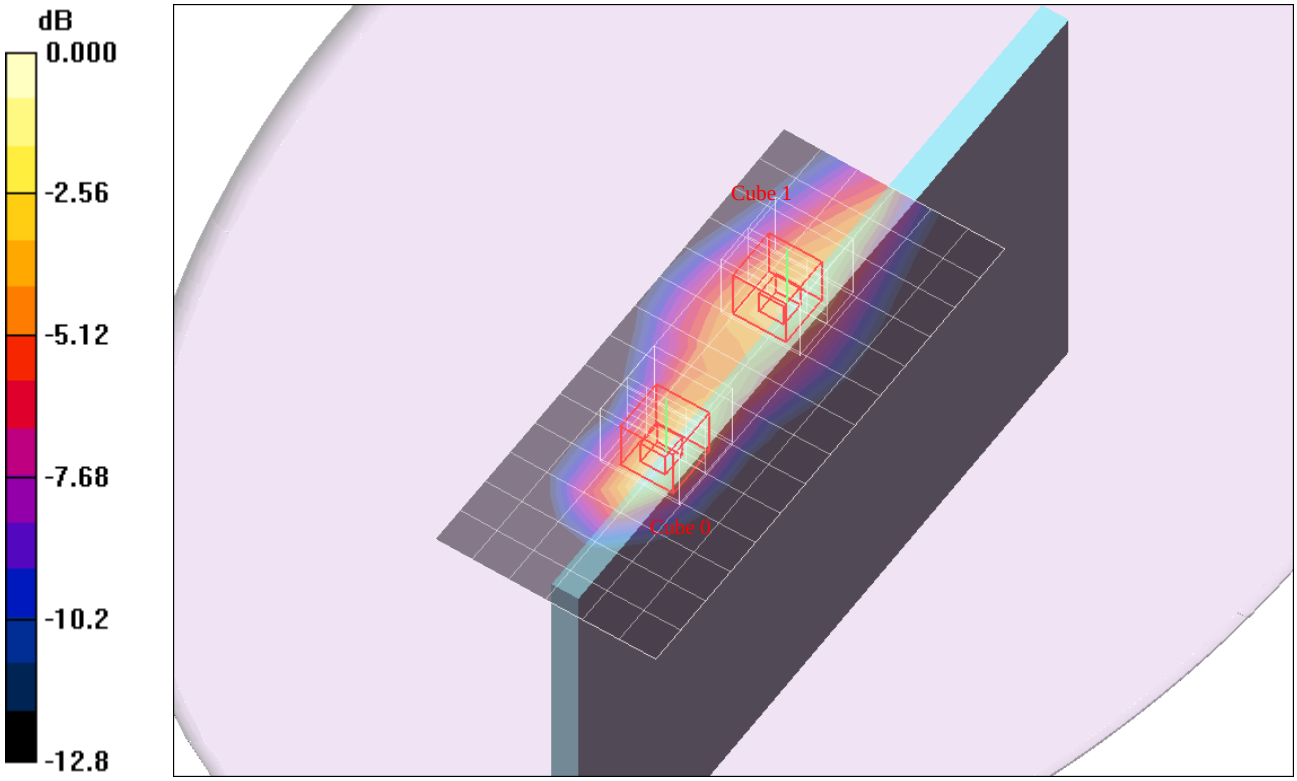
LTE Band 17

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 = 0.909 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 6/13/2012
- Probe: EX3DV4 - SN3749; ConvF(8.97, 8.97, 8.97); Calibrated: 1/27/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BB; Serial: SN:1017

Edge 1 Touch/QPSK RB25_12/Ch23790/Area Scan (7x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.479 mW/g

Edge 1 Touch/QPSK RB25_12/Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.4 V/m; Power Drift = 0.118 dB
Peak SAR (extrapolated) = 0.722 W/kg
SAR(1 g) = 0.358 mW/g; SAR(10 g) = 0.182 mW/g
Maximum value of SAR (measured) = 0.501 mW/g

Edge 1 Touch/QPSK RB25_12/Ch23790/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.4 V/m; Power Drift = 0.118 dB
Peak SAR (extrapolated) = 0.635 W/kg
SAR(1 g) = 0.308 mW/g; SAR(10 g) = 0.173 mW/g
Maximum value of SAR (measured) = 0.449 mW/g



0 dB = 0.449mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 9/21/2012

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 = 0.909 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 6/13/2012
- Probe: EX3DV4 - SN3749; ConvF(8.97, 8.97, 8.97); Calibrated: 1/27/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BB; Serial: SN:1017

Edge 1 Touch/QPSK RB1_0/Ch23790/Area Scan (7x15x1): Measurement grid: dx=15mm, dy=15mm

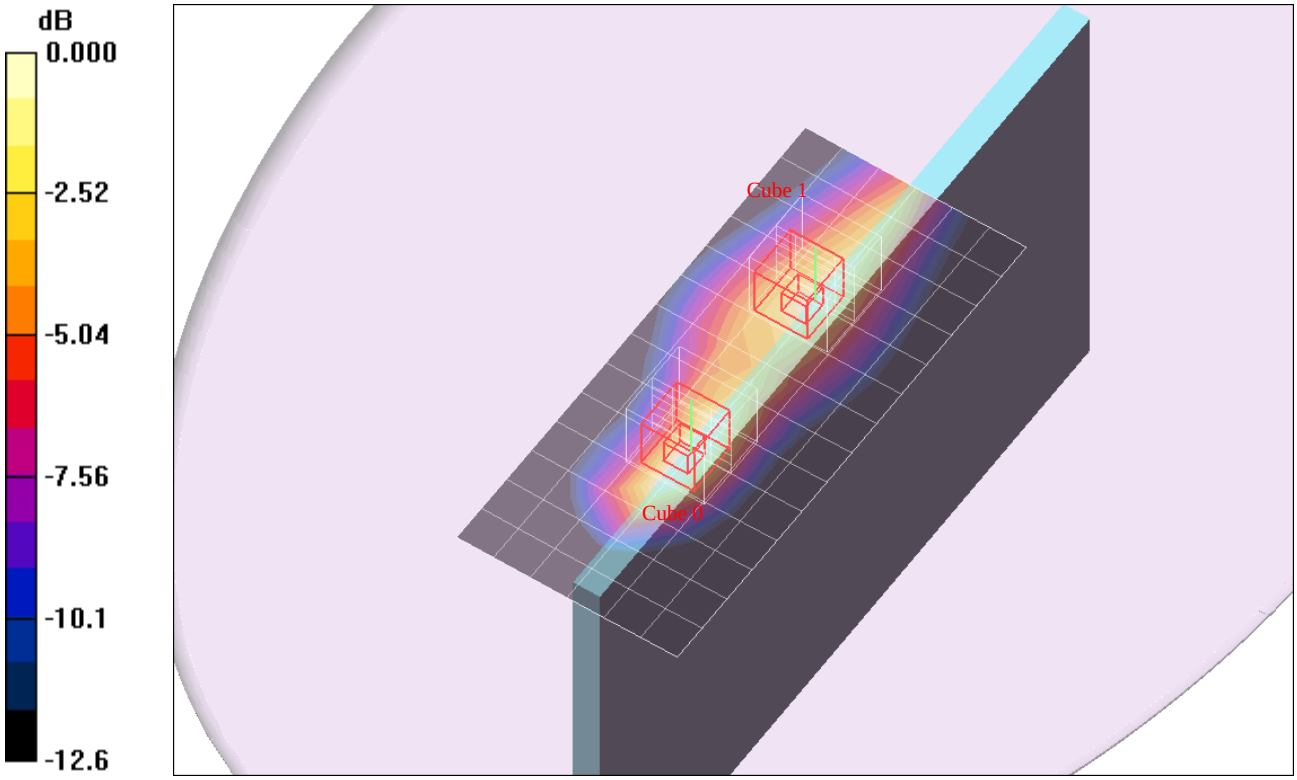
Maximum value of SAR (measured) = 0.695 mW/g

Edge 1 Touch/QPSK RB1_0/Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.2 V/m; Power Drift = 0.315 dB
Peak SAR (extrapolated) = 0.988 W/kg
SAR(1 g) = 0.496 mW/g; SAR(10 g) = 0.252 mW/g
Maximum value of SAR (measured) = 0.658 mW/g

Edge 1 Touch/QPSK RB1_0/Ch23790/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.2 V/m; Power Drift = 0.115 dB
Peak SAR (extrapolated) = 0.778 W/kg
SAR(1 g) = 0.389 mW/g; SAR(10 g) = 0.222 mW/g
Maximum value of SAR (measured) = 0.515 mW/g



0 dB = 0.515mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 9/21/2012

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 = 0.909 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 6/13/2012
- Probe: EX3DV4 - SN3749; ConvF(8.97, 8.97, 8.97); Calibrated: 1/27/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BB; Serial: SN:1017

Edge 1 Touch/QPSK RB1_49/Ch23790/Area Scan (7x15x1): Measurement grid: dx=15mm, dy=15mm

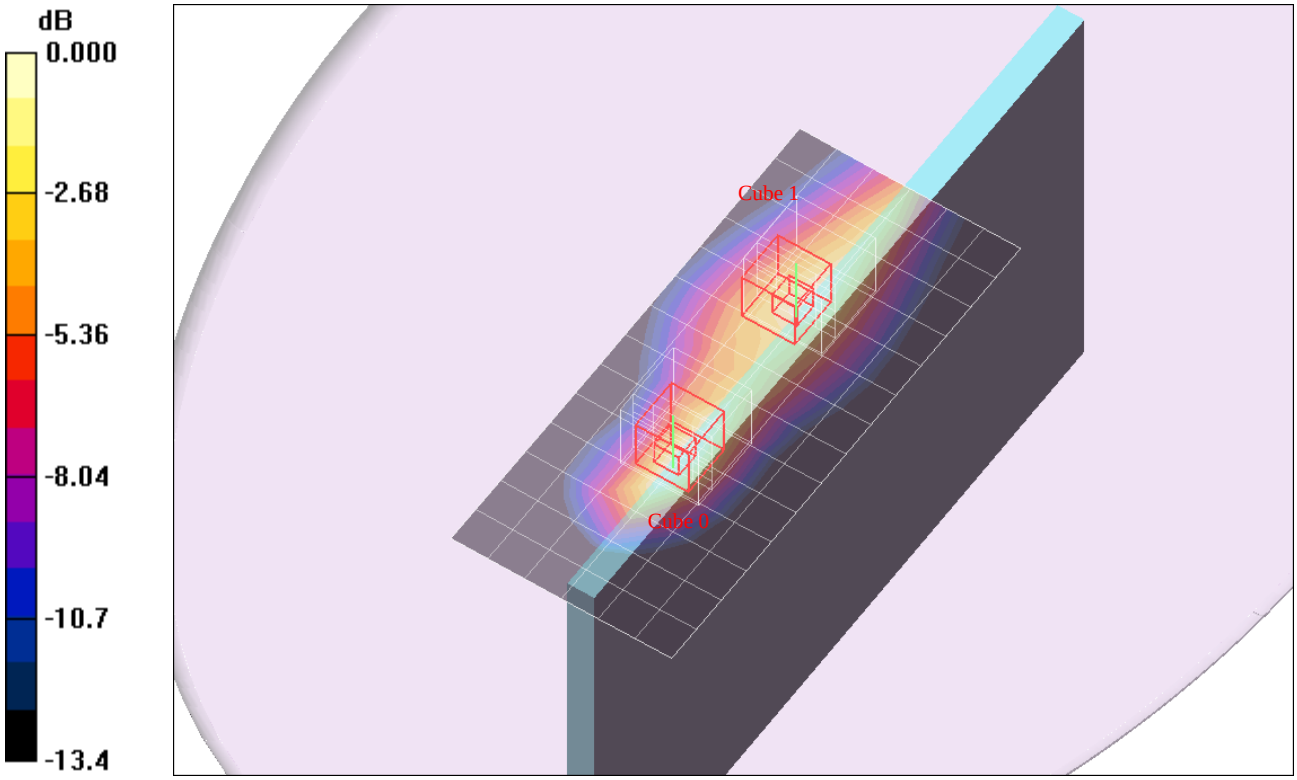
Maximum value of SAR (measured) = 0.603 mW/g

Edge 1 Touch/QPSK RB1_49/Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.3 V/m; Power Drift = 0.168 dB
Peak SAR (extrapolated) = 0.846 W/kg
SAR(1 g) = 0.433 mW/g; SAR(10 g) = 0.226 mW/g
Maximum value of SAR (measured) = 0.563 mW/g

Edge 1 Touch/QPSK RB1_49/Ch23790/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.3 V/m; Power Drift = 0.168 dB
Peak SAR (extrapolated) = 0.792 W/kg
SAR(1 g) = 0.398 mW/g; SAR(10 g) = 0.225 mW/g
Maximum value of SAR (measured) = 0.506 mW/g



0 dB = 0.506mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 9/21/2012

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 = 0.909 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 6/13/2012
- Probe: EX3DV4 - SN3749; ConvF(8.97, 8.97, 8.97); Calibrated: 1/27/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BB; Serial: SN:1017

Edge 1 Touch/16QAM RB25_12/Ch23790/Area Scan (7x15x1): Measurement grid: dx=15mm, dy=15mm

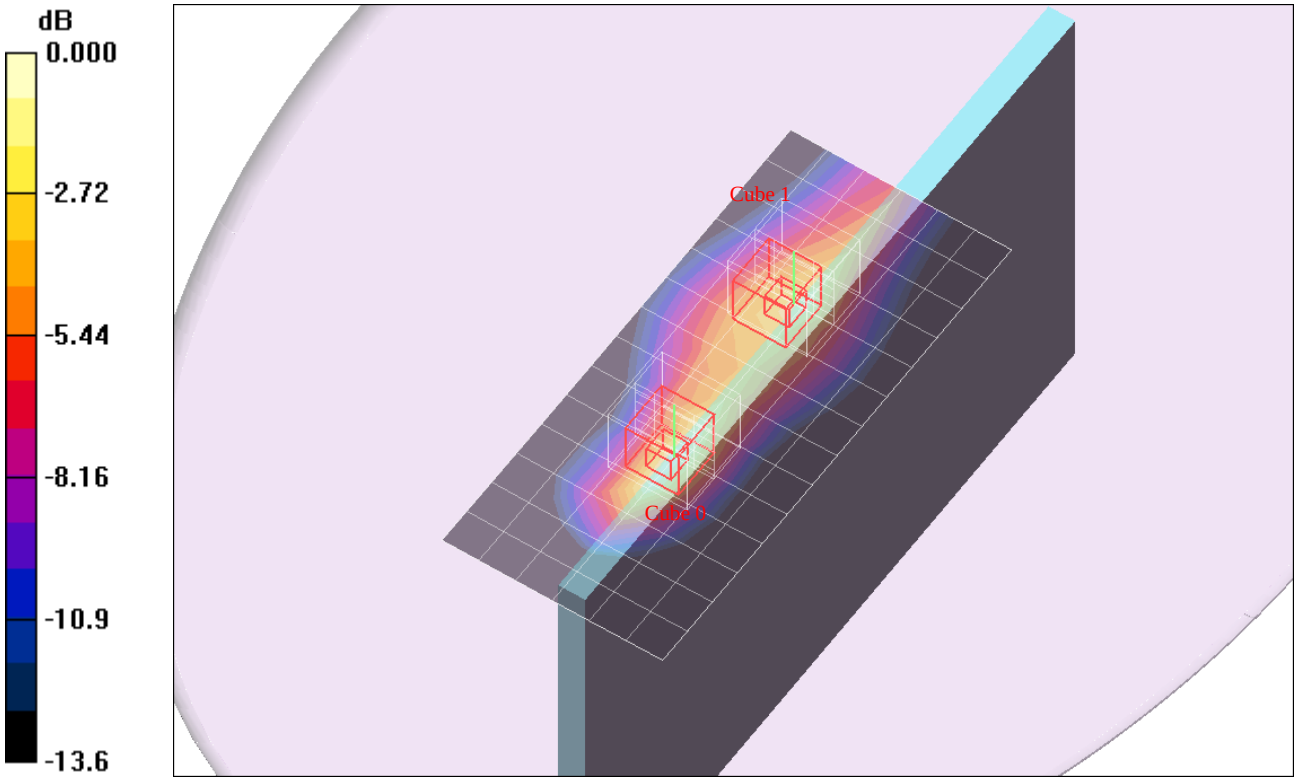
Maximum value of SAR (measured) = 0.364 mW/g

Edge 1 Touch/16QAM RB25_12/Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.3 V/m; Power Drift = 0.156 dB
Peak SAR (extrapolated) = 0.575 W/kg
SAR(1 g) = 0.290 mW/g; SAR(10 g) = 0.149 mW/g
Maximum value of SAR (measured) = 0.379 mW/g

Edge 1 Touch/16QAM RB25_12/Ch23790/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.3 V/m; Power Drift = 0.156 dB
Peak SAR (extrapolated) = 0.529 W/kg
SAR(1 g) = 0.245 mW/g; SAR(10 g) = 0.136 mW/g
Maximum value of SAR (measured) = 0.355 mW/g



0 dB = 0.355mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 9/21/2012

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 = 0.909 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 6/13/2012
- Probe: EX3DV4 - SN3749; ConvF(8.97, 8.97, 8.97); Calibrated: 1/27/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BB; Serial: SN:1017

Edge 1 Touch/16QAM RB1_0/Ch23790/Area Scan (7x15x1): Measurement grid: dx=15mm, dy=15mm

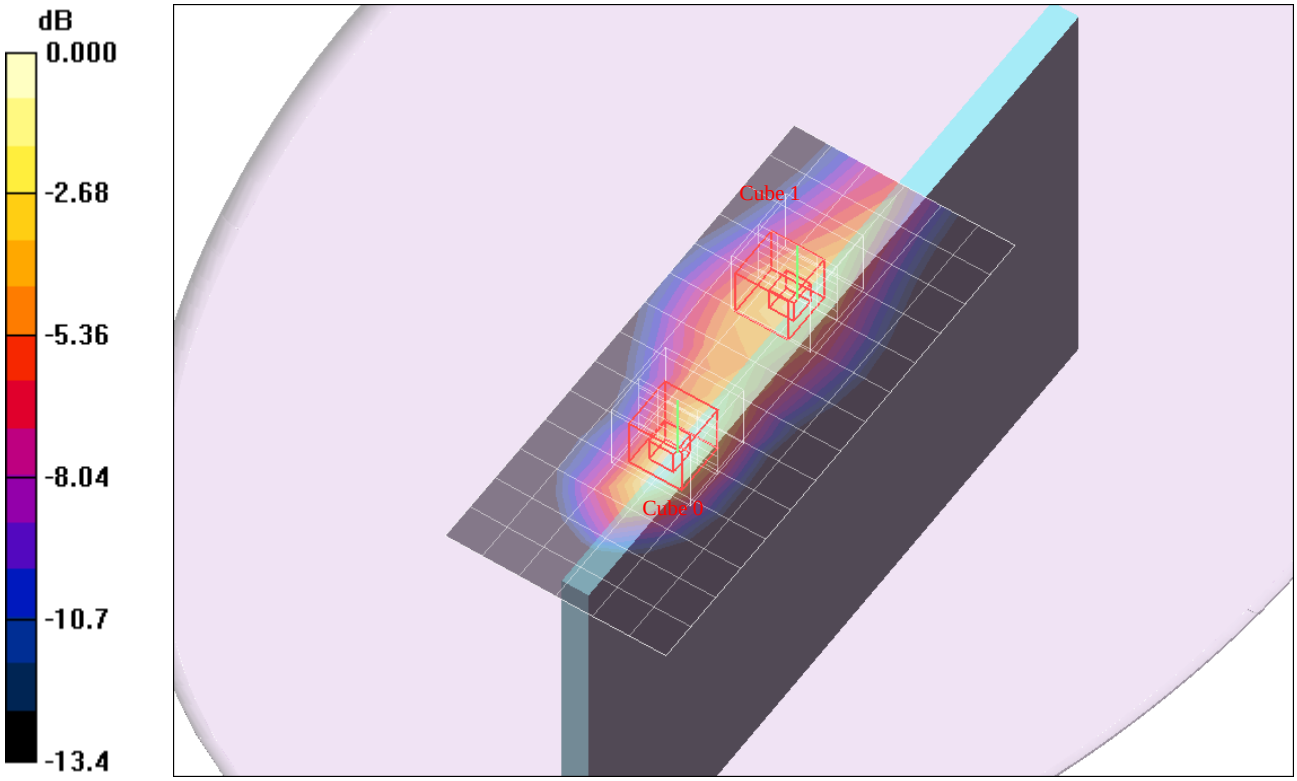
Maximum value of SAR (measured) = 0.486 mW/g

Edge 1 Touch/16QAM RB1_0/Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.8 V/m; Power Drift = 0.154 dB
Peak SAR (extrapolated) = 0.776 W/kg
SAR(1 g) = 0.388 mW/g; SAR(10 g) = 0.198 mW/g
Maximum value of SAR (measured) = 0.504 mW/g

Edge 1 Touch/16QAM RB1_0/Ch23790/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.8 V/m; Power Drift = 0.154 dB
Peak SAR (extrapolated) = 0.635 W/kg
SAR(1 g) = 0.297 mW/g; SAR(10 g) = 0.167 mW/g
Maximum value of SAR (measured) = 0.429 mW/g



0 dB = 0.429mW/g

Test Laboratory: UL CCS SAR Lab D Date/Time: 9/21/2012

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 = 0.909 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3 ;
DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 6/13/2012
- Probe: EX3DV4 - SN3749; ConvF(8.97, 8.97, 8.97); Calibrated: 1/27/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BB; Serial: SN:1017

Edge 1 Touch/16QAM RB1_49/Ch23790/Area Scan (7x15x1): Measurement grid: dx=15mm, dy=15mm

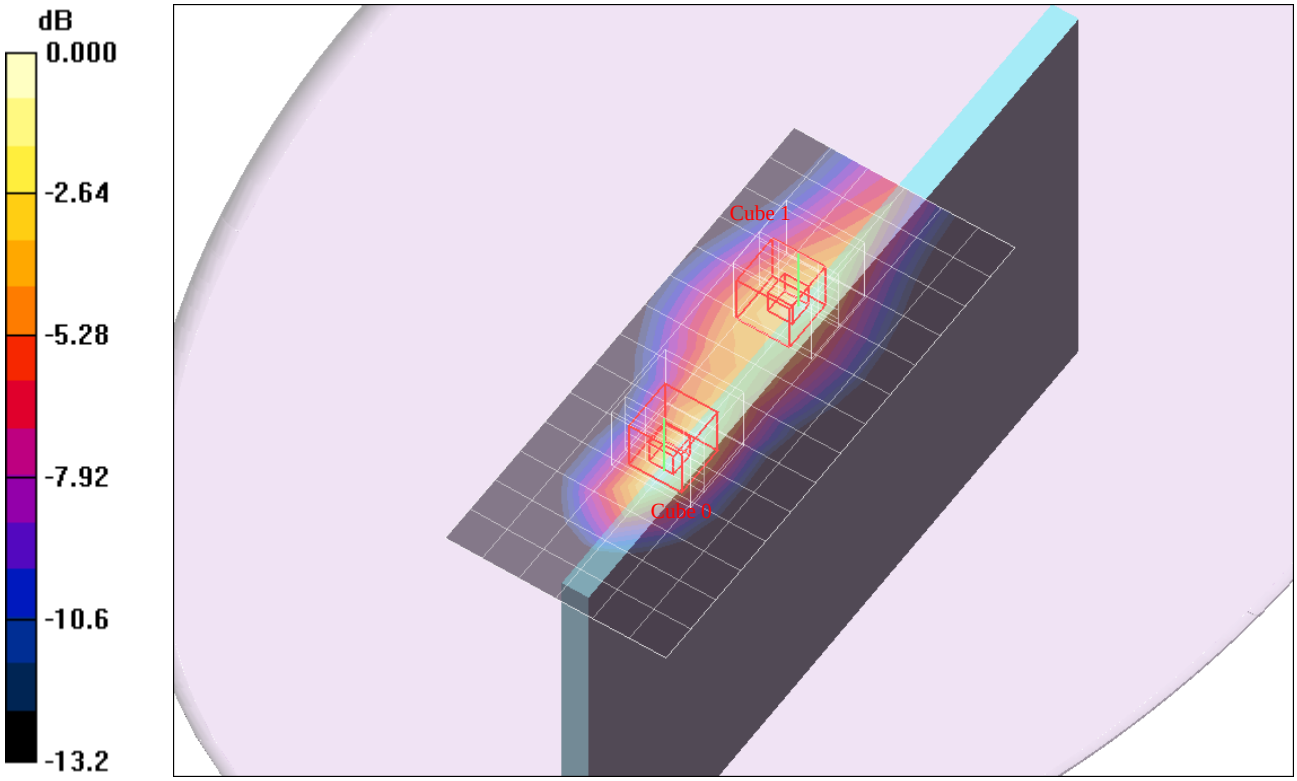
Maximum value of SAR (measured) = 0.433 mW/g

Edge 1 Touch/16QAM RB1_49/Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.4 V/m; Power Drift = 0.187 dB
Peak SAR (extrapolated) = 0.684 W/kg
SAR(1 g) = 0.348 mW/g; SAR(10 g) = 0.180 mW/g
Maximum value of SAR (measured) = 0.450 mW/g

Edge 1 Touch/16QAM RB1_49/Ch23790/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.4 V/m; Power Drift = 0.187 dB
Peak SAR (extrapolated) = 0.620 W/kg
SAR(1 g) = 0.308 mW/g; SAR(10 g) = 0.174 mW/g
Maximum value of SAR (measured) = 0.410 mW/g



0 dB = 0.410mW/g