Date: 11/11/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

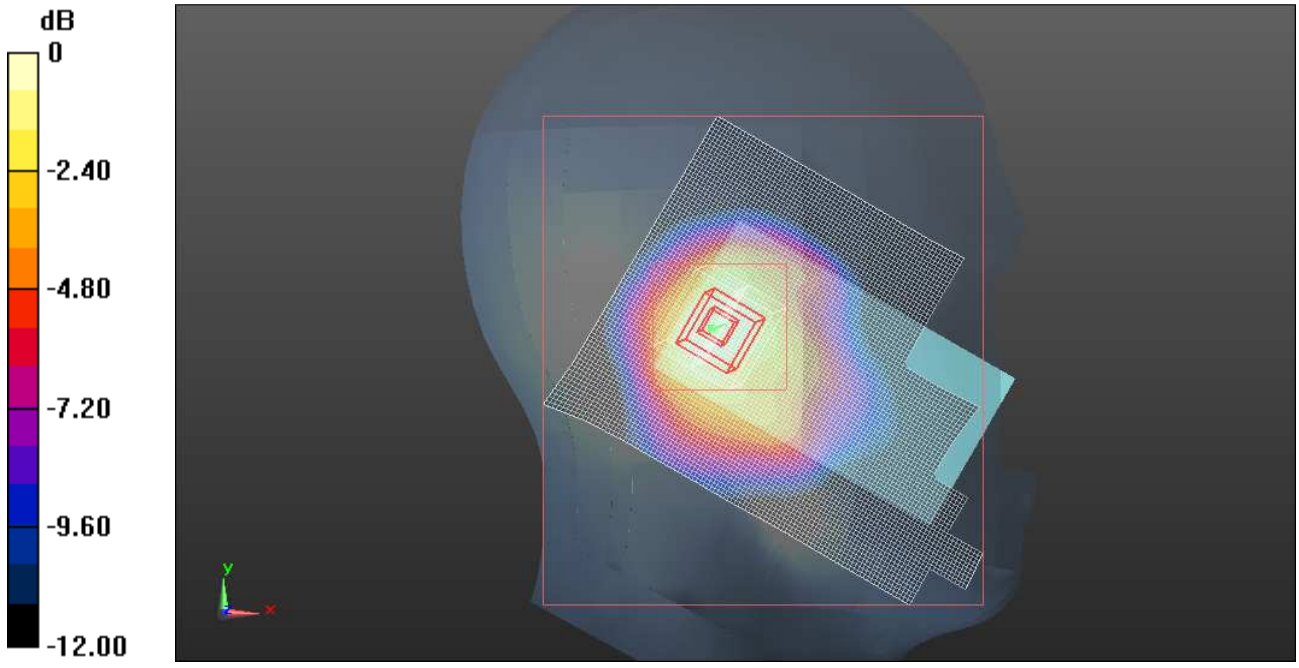
Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.373 mho/m; ε_r = 39.844; ρ = 1000 kg/m^3
Phantom section: Left Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.3, 7.3, 7.3); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

LHS/Touch_QPSK_5MHz_RB1_RB0_M-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.738 mW/g

LHS/Touch_QPSK_5MHz_RB1_RB0_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.110 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.922 W/kg
SAR(1 g) = 0.564 mW/g; SAR(10 g) = 0.347 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.700 mW/g



0 dB = 0.700mW/g

Date: 11/8/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

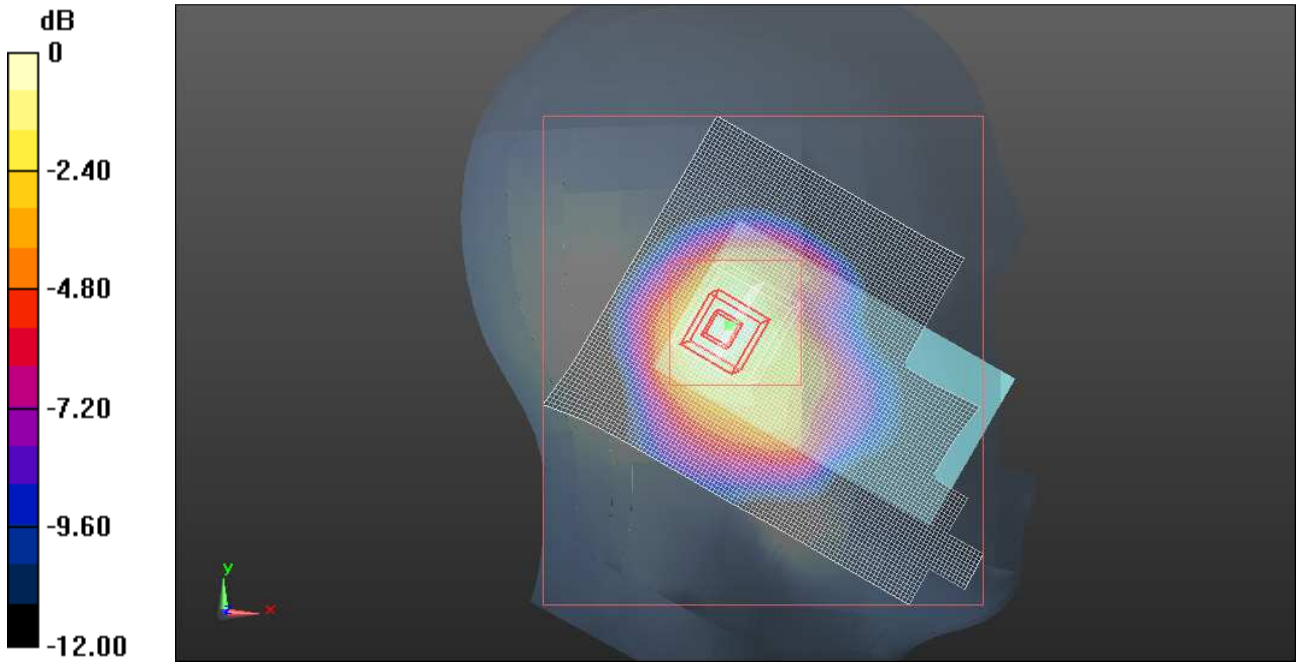
Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.389 mho/m; ε_r = 39.238; ρ = 1000 kg/m^3
Phantom section: Left Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.3, 7.3, 7.3); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

LHS/Touch_QPSK_5MHz_RB1_RB24_M-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.673 mW/g

LHS/Touch_QPSK_5MHz_RB1_RB24_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.013 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.864 W/kg
SAR(1 g) = 0.537 mW/g; SAR(10 g) = 0.328 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.668 mW/g



0 dB = 0.670mW/g

Date: 11/8/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

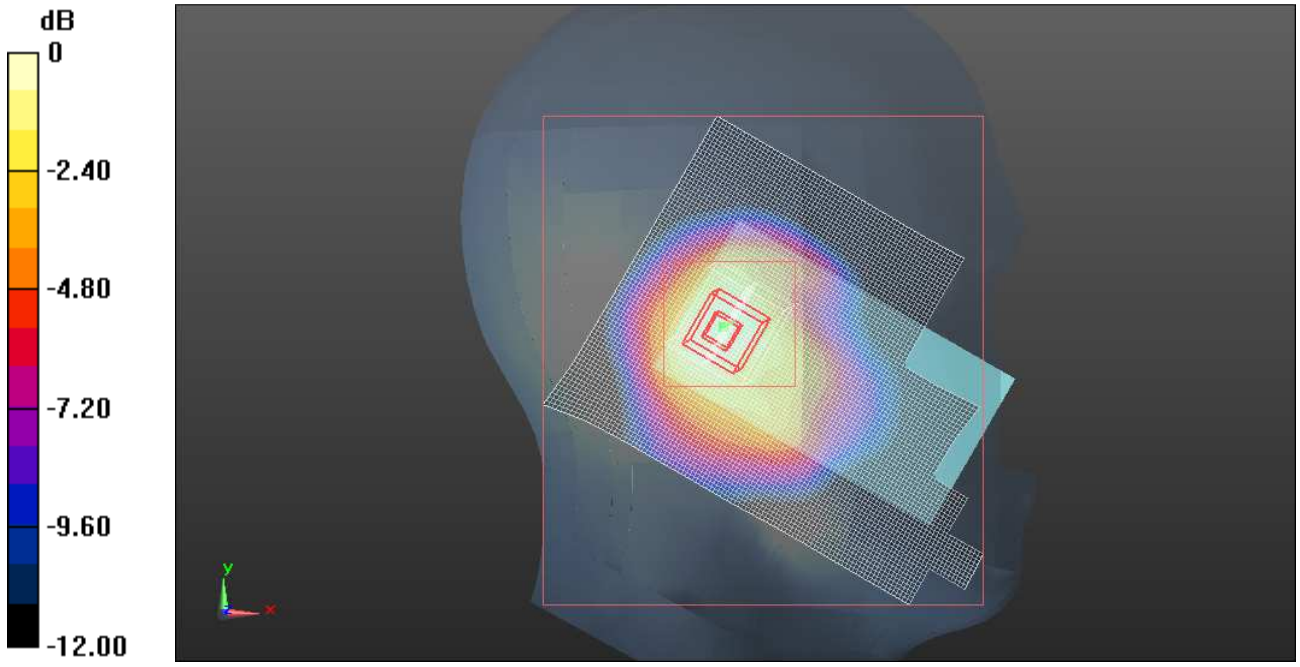
Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.389 mho/m; ε_r = 39.238; ρ = 1000 kg/m^3
Phantom section: Left Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.3, 7.3, 7.3); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

LHS/Touch_QPSK_5MHz_RB12_RB6_M-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.518 mW/g

LHS/Touch_QPSK_5MHz_RB12_RB6_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.039 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.642 W/kg
SAR(1 g) = 0.400 mW/g; SAR(10 g) = 0.244 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.502 mW/g



0 dB = 0.500mW/g

Date: 11/11/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.373 mho/m; ε_r = 39.844; ρ = 1000 kg/m^3
Phantom section: Left Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

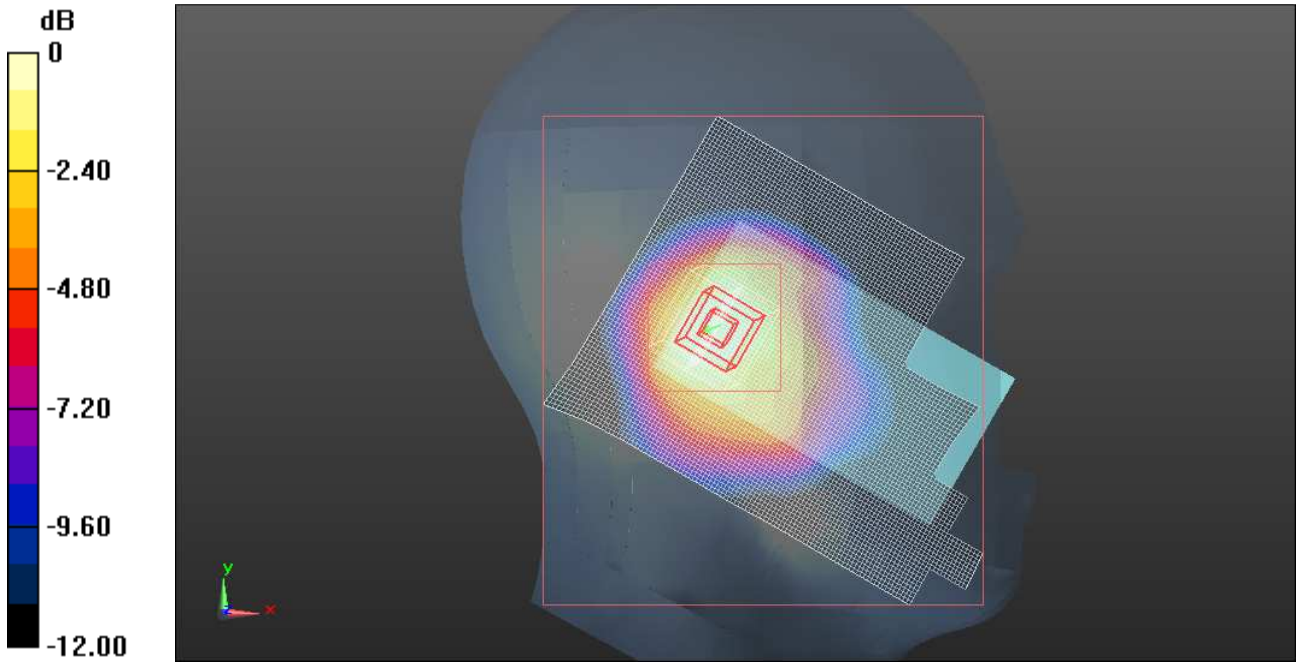
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.3, 7.3, 7.3); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

LHS/Touch_16QAM_5MHz_RB1_RB0_M-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.603 mW/g

LHS/Touch_16QAM_5MHz_RB1_RB0_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.096 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.740 W/kg
SAR(1 g) = 0.461 mW/g; SAR(10 g) = 0.284 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.565 mW/g



0 dB = 0.560mW/g

Date: 11/9/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

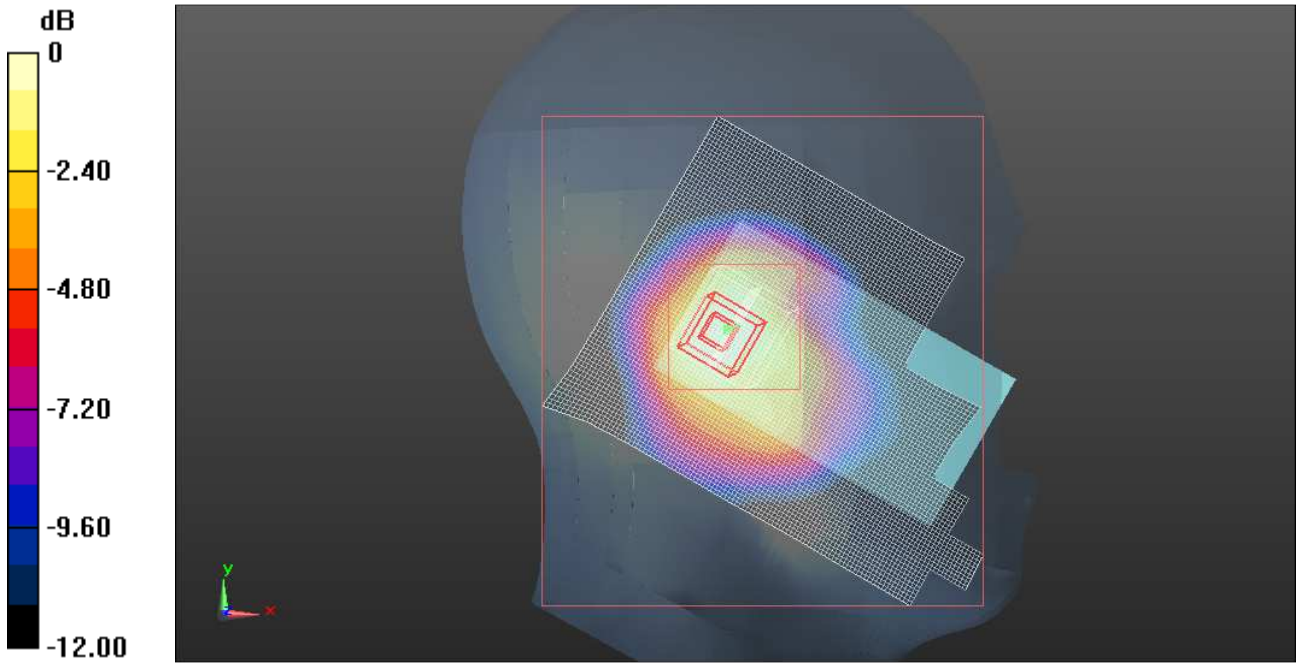
Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.367 mho/m; ε_r = 40.881; ρ = 1000 kg/m^3
Phantom section: Left Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.3, 7.3, 7.3); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

LHS/Touch_16QAM_5MHz_RB1_RB24_M-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.544 mW/g

LHS/Touch_16QAM_5MHz_RB1_RB24_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.162 V/m; Power Drift = 0.0042 dB
Peak SAR (extrapolated) = 0.703 W/kg
SAR(1 g) = 0.435 mW/g; SAR(10 g) = 0.267 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.528 mW/g



0 dB = 0.530mW/g

Date: 11/9/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

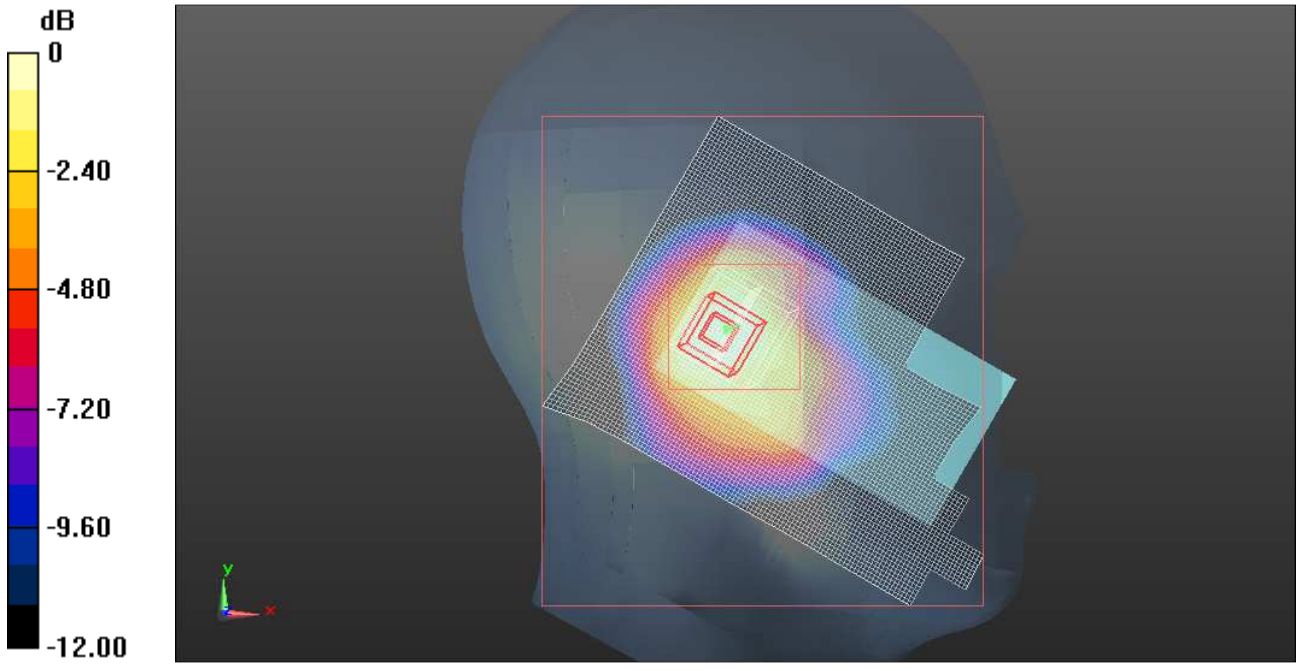
Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.367 mho/m; ε_r = 40.881; ρ = 1000 kg/m^3
Phantom section: Left Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.3, 7.3, 7.3); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

LHS/Touch_16QAM_5MHz_RB12_RB6_M-Ch/Area Scan (81x111x1): Measurement grid:
dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.403 mW/g

LHS/Touch_16QAM_5MHz_RB12_RB6_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid:
dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.582 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.502 W/kg
SAR(1 g) = 0.313 mW/g; SAR(10 g) = 0.191 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.385 mW/g



0 dB = 0.380mW/g

Date: 11/10/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.426 mho/m; ε_r = 39.386; ρ = 1000 kg/m^3
Phantom section: Left Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

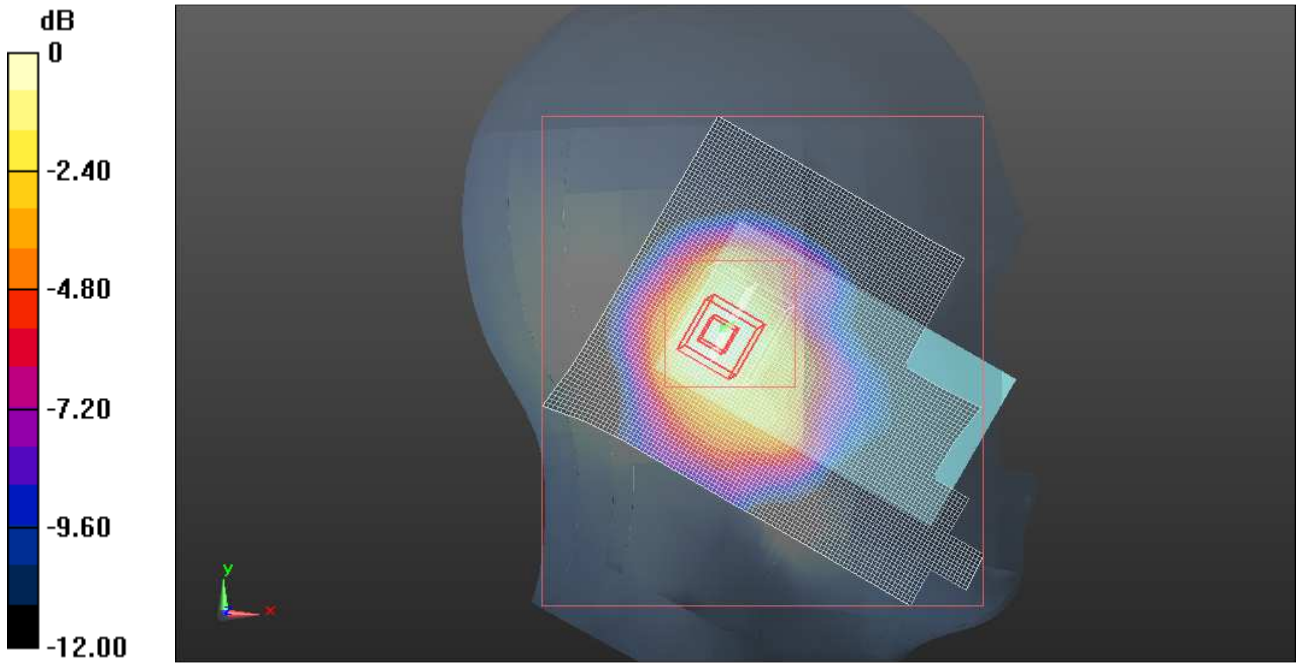
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.12, 7.12, 7.12); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

LHS/Touch_QPSK_5MHz_RB1_RB0_H-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.766 mW/g

LHS/Touch_QPSK_5MHz_RB1_RB0_H-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.886 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.970 W/kg
SAR(1 g) = 0.602 mW/g; SAR(10 g) = 0.369 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.745 mW/g



0 dB = 0.750mW/g

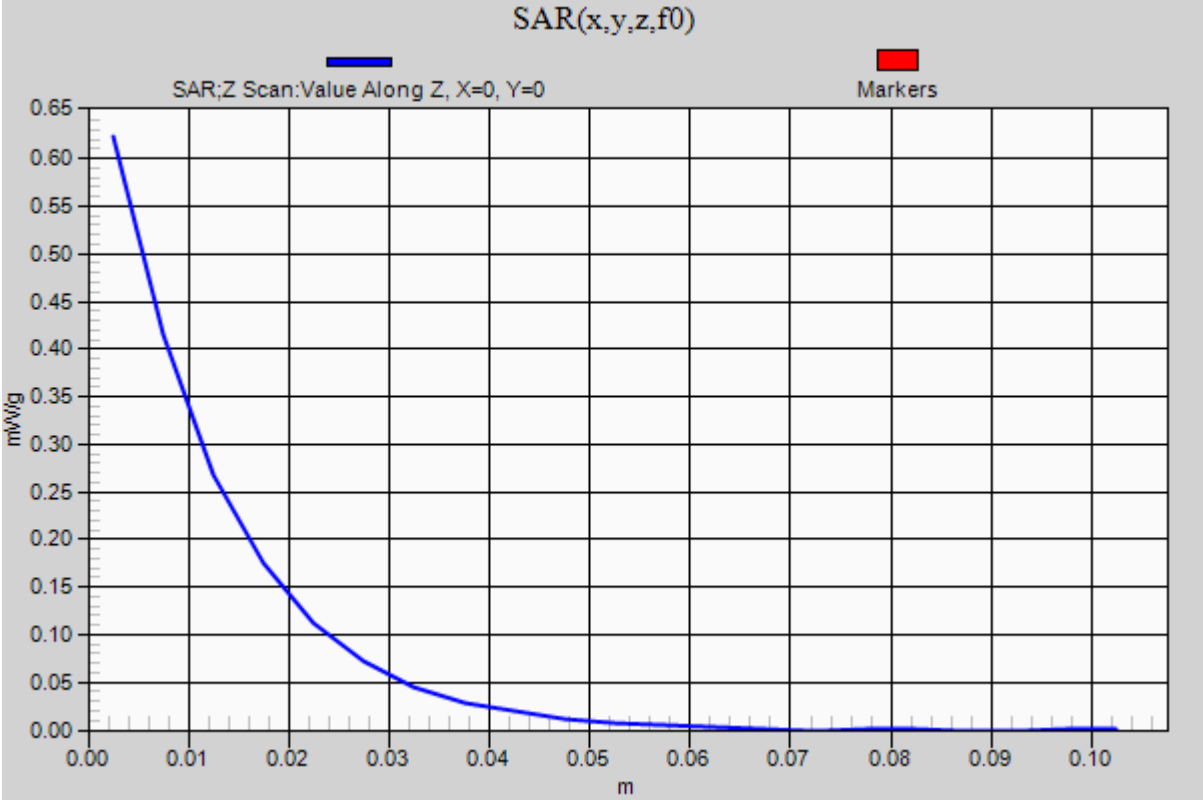
Date: 11/10/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1

LHS/Touch_QPSK_5MHz_RB1_RB0_H-Ch/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.623 mW/g



Date: 11/10/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

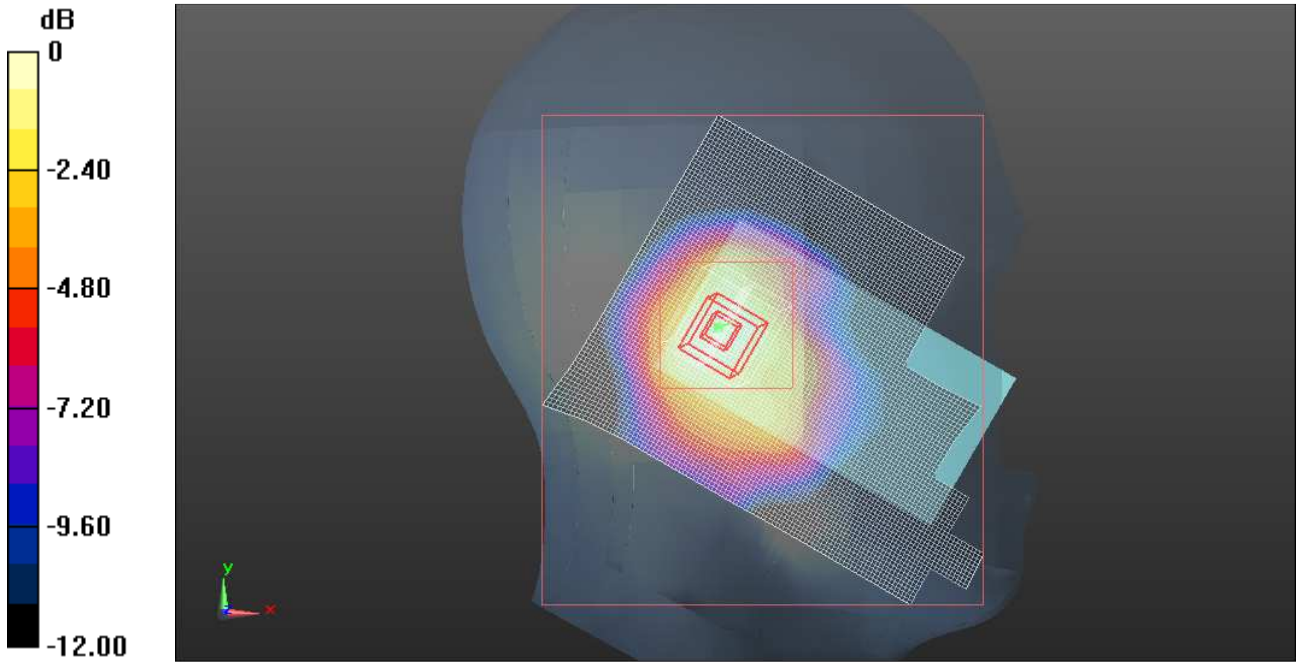
Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.426 mho/m; ε_r = 39.386; ρ = 1000 kg/m^3
Phantom section: Left Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.12, 7.12, 7.12); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

LHS/Touch_QPSK_5MHz_RB1_RB24_H-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.734 mW/g

LHS/Touch_QPSK_5MHz_RB1_RB24_H-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.601 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.939 W/kg
SAR(1 g) = 0.577 mW/g; SAR(10 g) = 0.352 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.732 mW/g



0 dB = 0.730mW/g

Date: 11/10/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

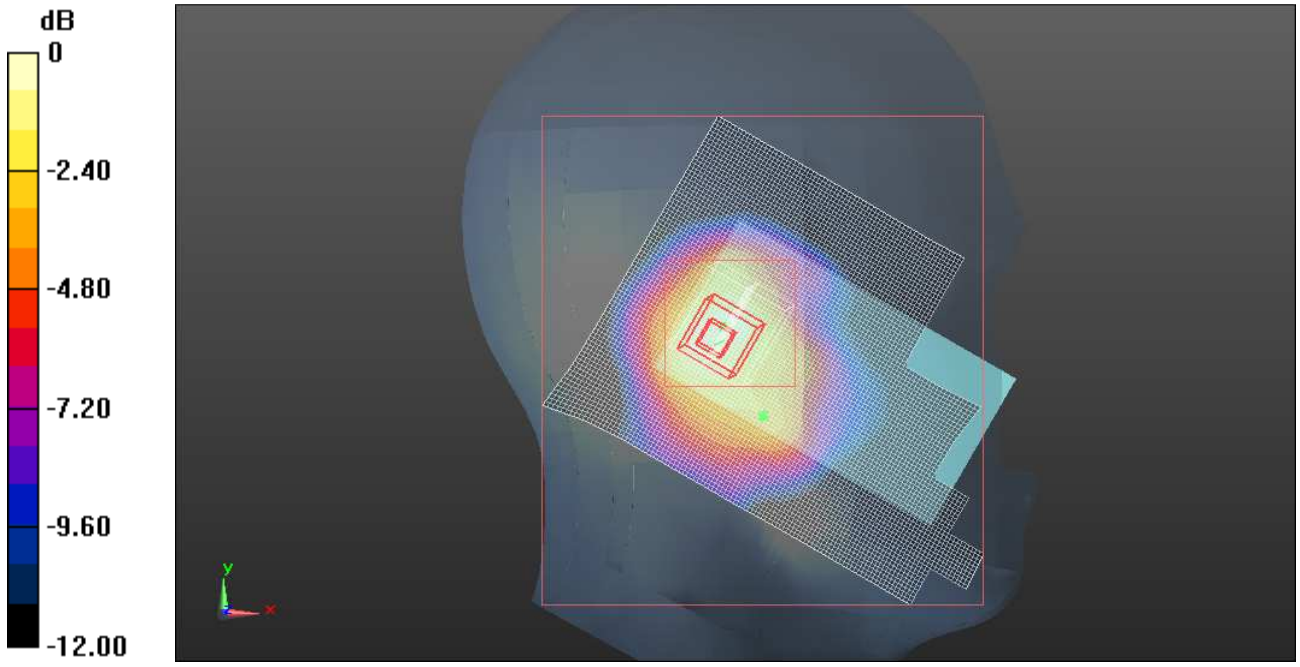
Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.426 mho/m; ε_r = 39.386; ρ = 1000 kg/m^3
Phantom section: Left Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.12, 7.12, 7.12); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

LHS/Touch_16QAM_5MHz_RB1_RB0_H-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.591 mW/g

LHS/Touch_16QAM_5MHz_RB1_RB0_H-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.466 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.815 W/kg
SAR(1 g) = 0.494 mW/g; SAR(10 g) = 0.298 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.635 mW/g



0 dB = 0.640mW/g

Date: 11/10/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

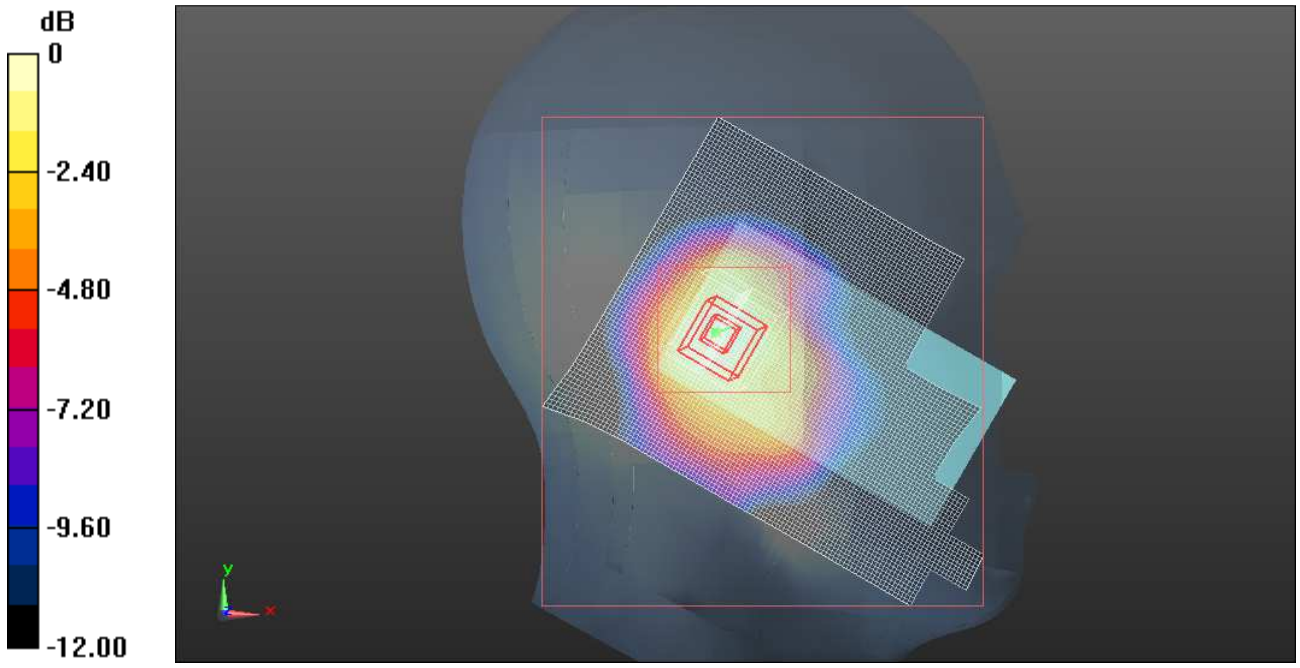
Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.426 mho/m; ε_r = 39.386; ρ = 1000 kg/m^3
Phantom section: Left Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.12, 7.12, 7.12); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

LHS/Touch_16QAM_5MHz_RB1_RB24_H-Ch/Area Scan (81x111x1): Measurement grid:
dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.625 mW/g

LHS/Touch_16QAM_5MHz_RB1_RB24_H-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid:
dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.978 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.797 W/kg
SAR(1 g) = 0.493 mW/g; SAR(10 g) = 0.301 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.624 mW/g



0 dB = 0.620mW/g

Date: 11/11/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

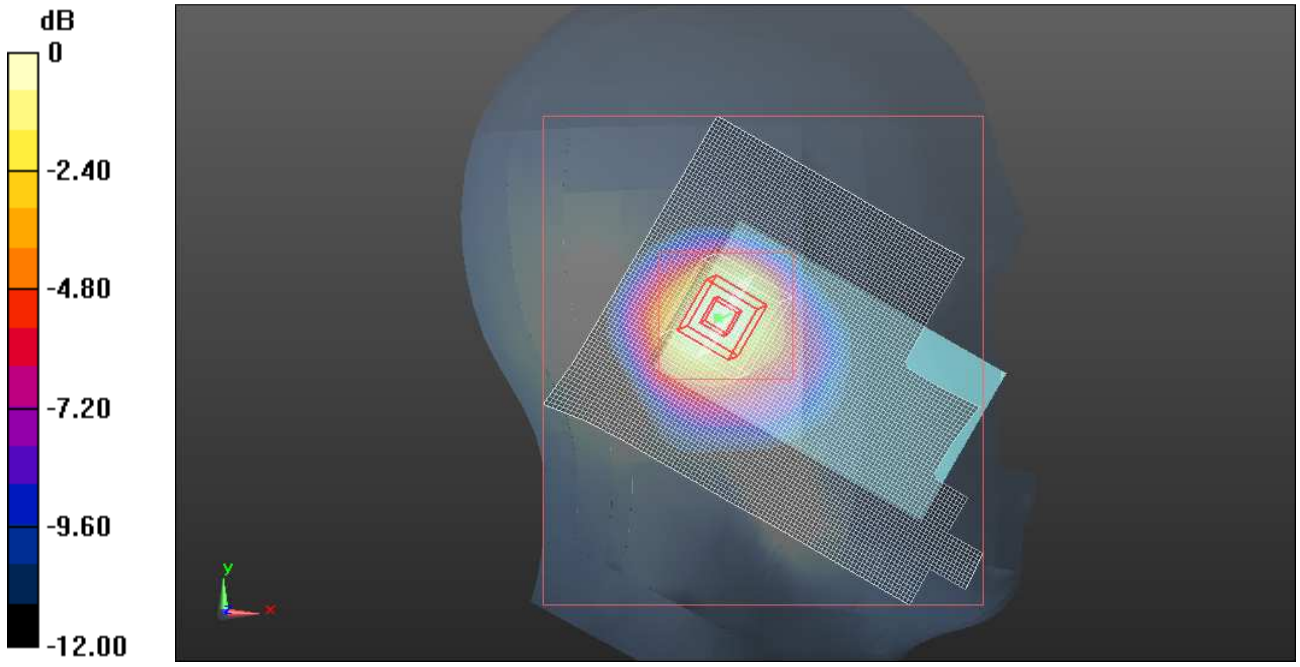
Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.373 mho/m; ε_r = 39.844; ρ = 1000 kg/m^3
Phantom section: Left Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.3, 7.3, 7.3); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

LHS/Tilt_QPSK_5MHz_RB1_RB0_M-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.905 mW/g

LHS/Tilt_QPSK_5MHz_RB1_RB0_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.773 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.147 W/kg
SAR(1 g) = 0.698 mW/g; SAR(10 g) = 0.414 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.883 mW/g



0 dB = 0.880mW/g

Date: 11/9/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.367 mho/m; ε_r = 40.881; ρ = 1000 kg/m^3
Phantom section: Left Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

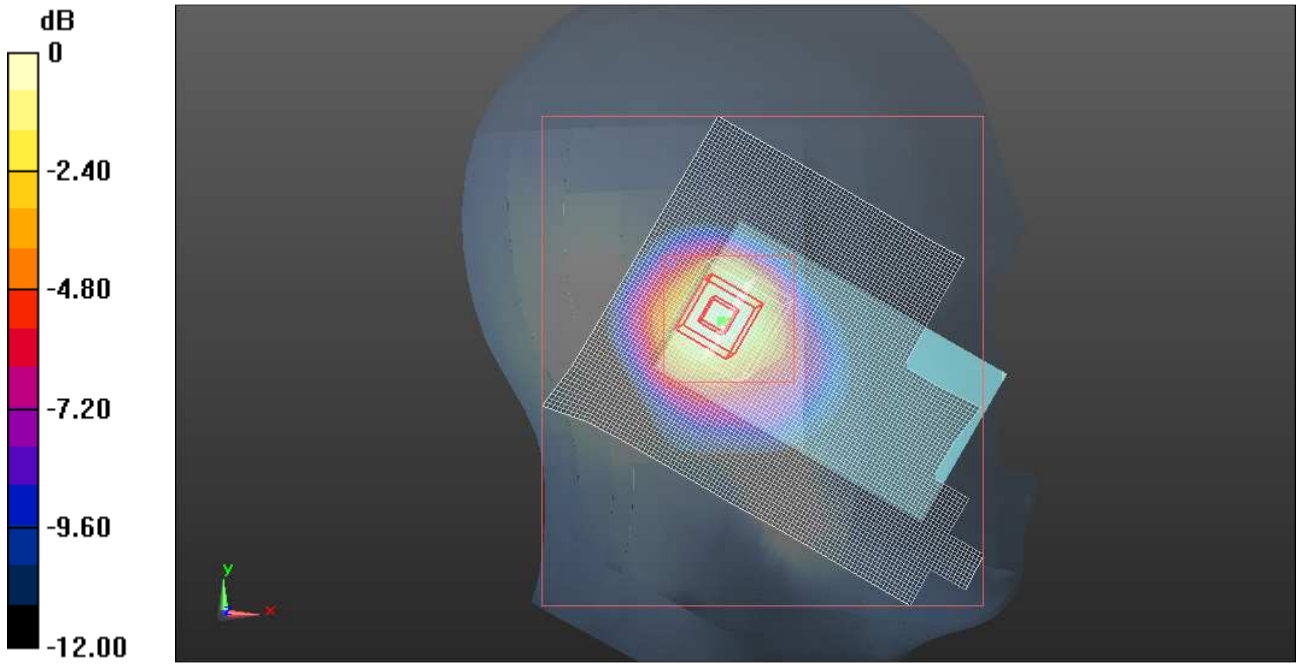
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.3, 7.3, 7.3); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

LHS/Tilt_QPSK_5MHz_RB1_RB24_M-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.887 mW/g

LHS/Tilt_QPSK_5MHz_RB1_RB24_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.004 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.095 W/kg
SAR(1 g) = 0.666 mW/g; SAR(10 g) = 0.392 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.829 mW/g



0 dB = 0.830mW/g

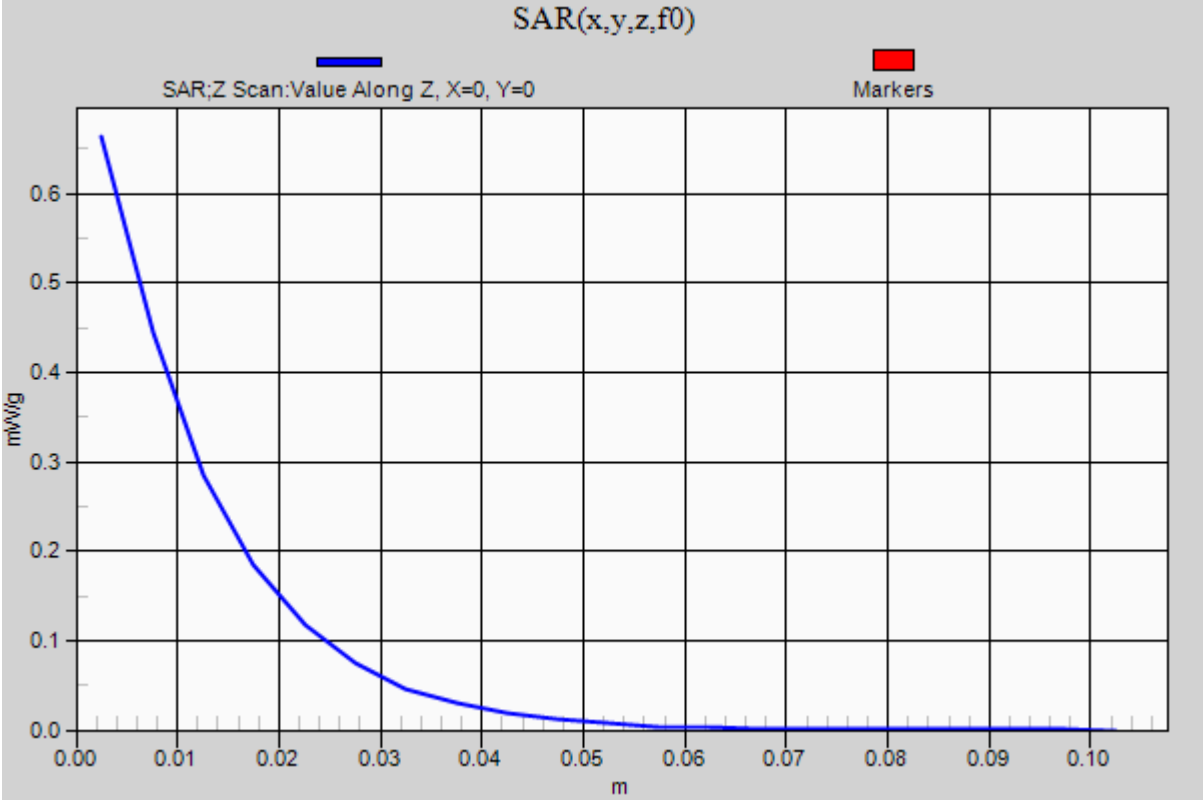
Date: 11/9/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

LHS/Tilt_QPSK_5MHz_RB1_RB24_M-Ch/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.663 mW/g



Date: 11/9/2011

Test Laboratory: UL CCS SAR Lab B

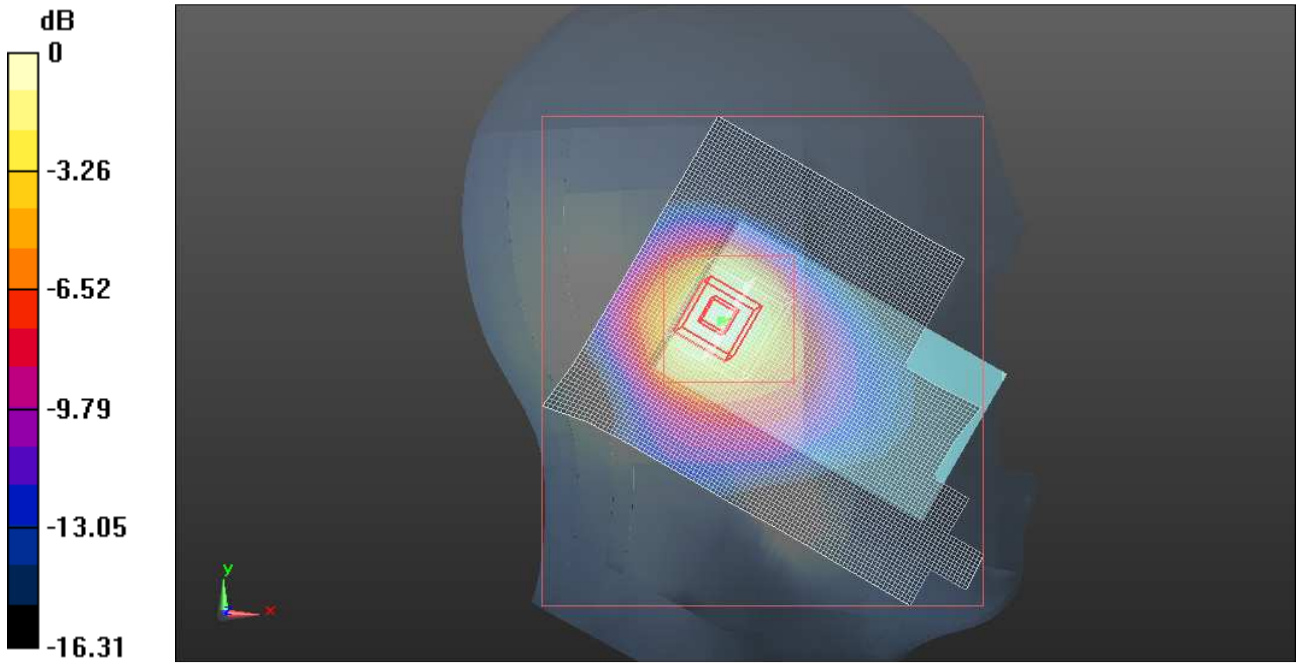
LTE Band 25_Head

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.367 mho/m; ε_r = 40.881; ρ = 1000 kg/m^3
Phantom section: Left Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.3, 7.3, 7.3); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

LHS/Tilt_QPSK_5MHz_RB12_RB6_M-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.656 mW/g

LHS/Tilt_QPSK_5MHz_RB12_RB6_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.033 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.815 W/kg
SAR(1 g) = 0.495 mW/g; SAR(10 g) = 0.293 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.617 mW/g



0 dB = 0.620mW/g

Date: 11/11/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.373 mho/m; ε_r = 39.844; ρ = 1000 kg/m^3
Phantom section: Left Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

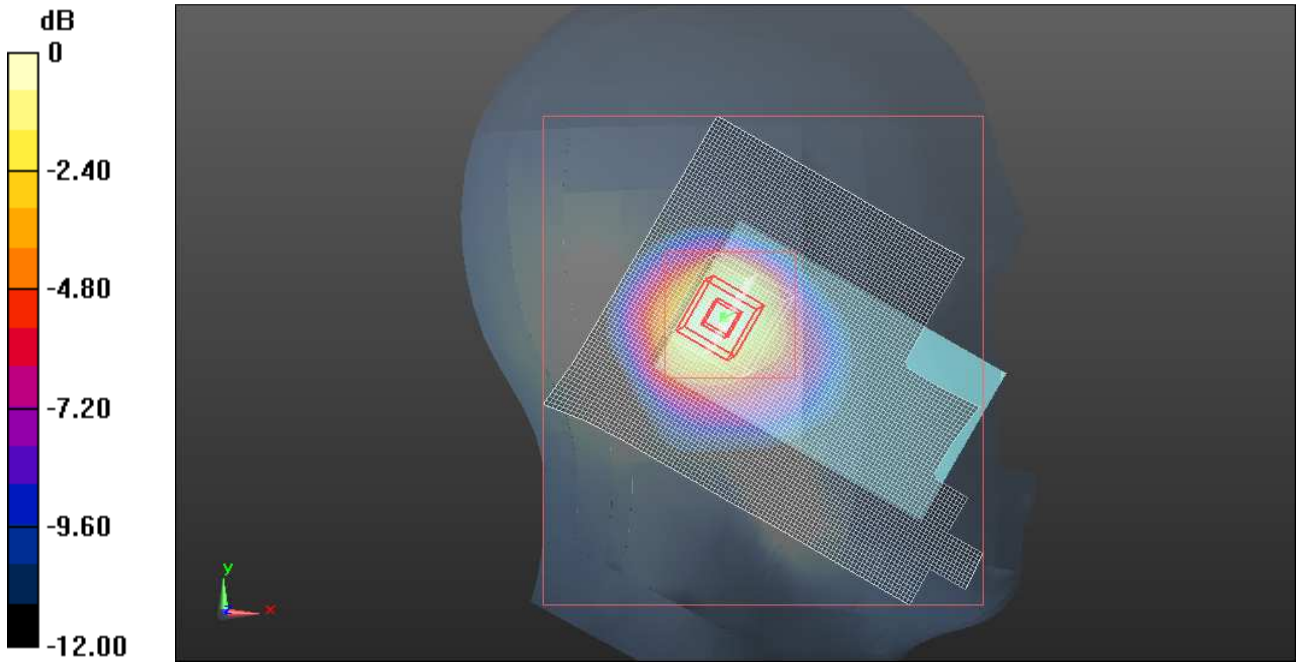
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.3, 7.3, 7.3); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

LHS/Tilt_16QAM_5MHz_RB1_RB0_M-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.735 mW/g

LHS/Tilt_16QAM_5MHz_RB1_RB0_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.047 V/m; Power Drift = 0.00072 dB
Peak SAR (extrapolated) = 0.916 W/kg
SAR(1 g) = 0.543 mW/g; SAR(10 g) = 0.323 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.701 mW/g



0 dB = 0.700mW/g

Date: 11/9/2011

Test Laboratory: UL CCS SAR Lab B

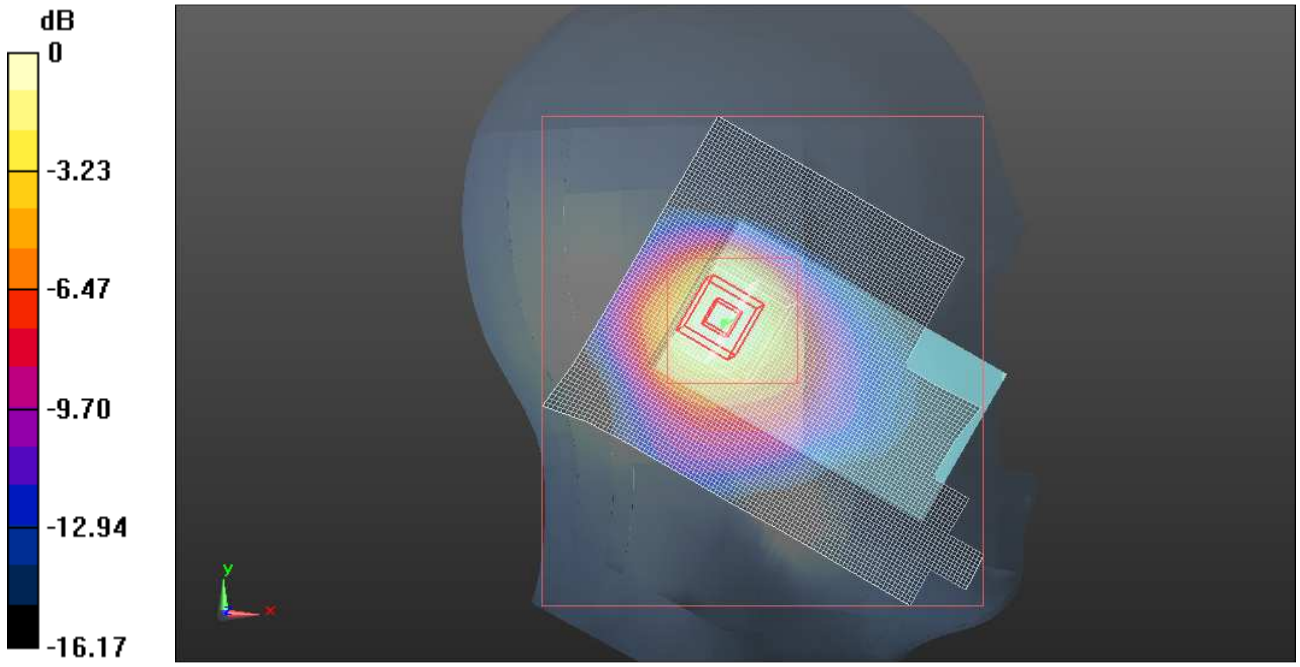
LTE Band 25_Head

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.367 mho/m; ε_r = 40.881; ρ = 1000 kg/m^3
Phantom section: Left Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.3, 7.3, 7.3); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

LHS/Tilt_16QAM_5MHz_RB1_RB24_M-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.608 mW/g

LHS/Tilt_16QAM_5MHz_RB1_RB24_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.308 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.800 W/kg
SAR(1 g) = 0.486 mW/g; SAR(10 g) = 0.288 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.604 mW/g



0 dB = 0.600mW/g

Date: 11/9/2011

Test Laboratory: UL CCS SAR Lab B

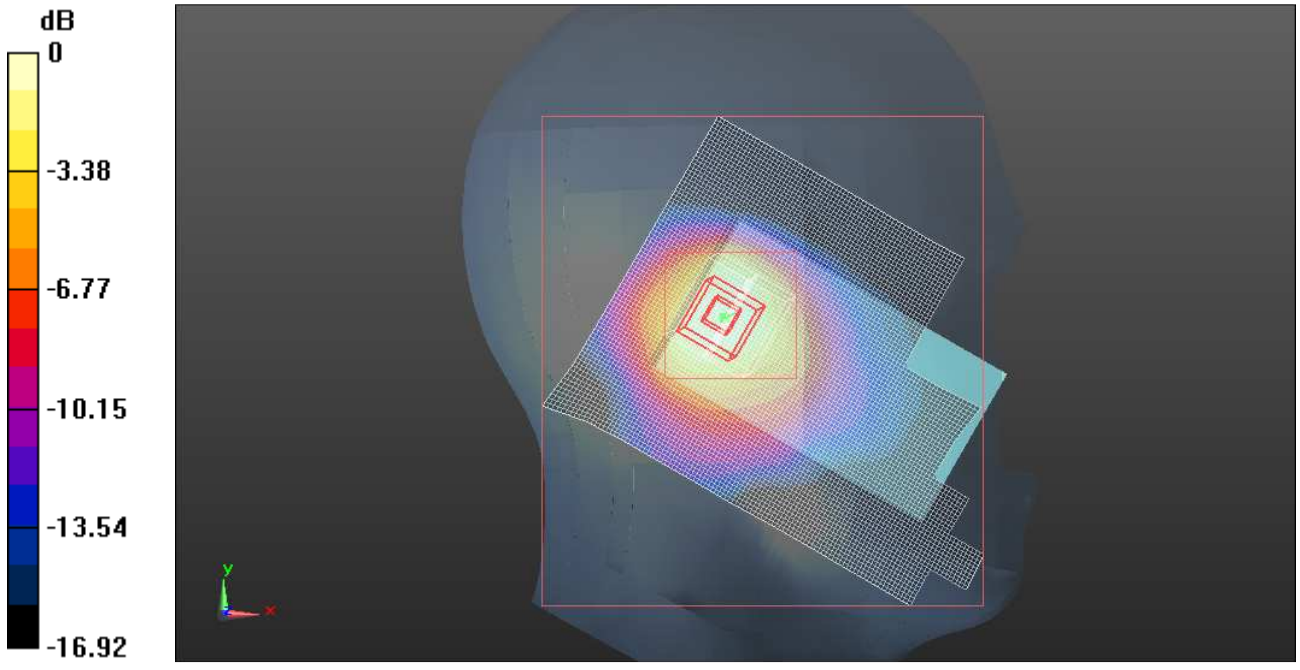
LTE Band 25_Head

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.367 mho/m; ε_r = 40.881; ρ = 1000 kg/m^3
Phantom section: Left Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.3, 7.3, 7.3); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

LHS/Tilt_16QAM_5MHz_RB12_RB6_M-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.497 mW/g

LHS/Tilt_16QAM_5MHz_RB12_RB6_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.820 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.619 W/kg
SAR(1 g) = 0.372 mW/g; SAR(10 g) = 0.220 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.472 mW/g



0 dB = 0.470mW/g

Date: 11/10/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

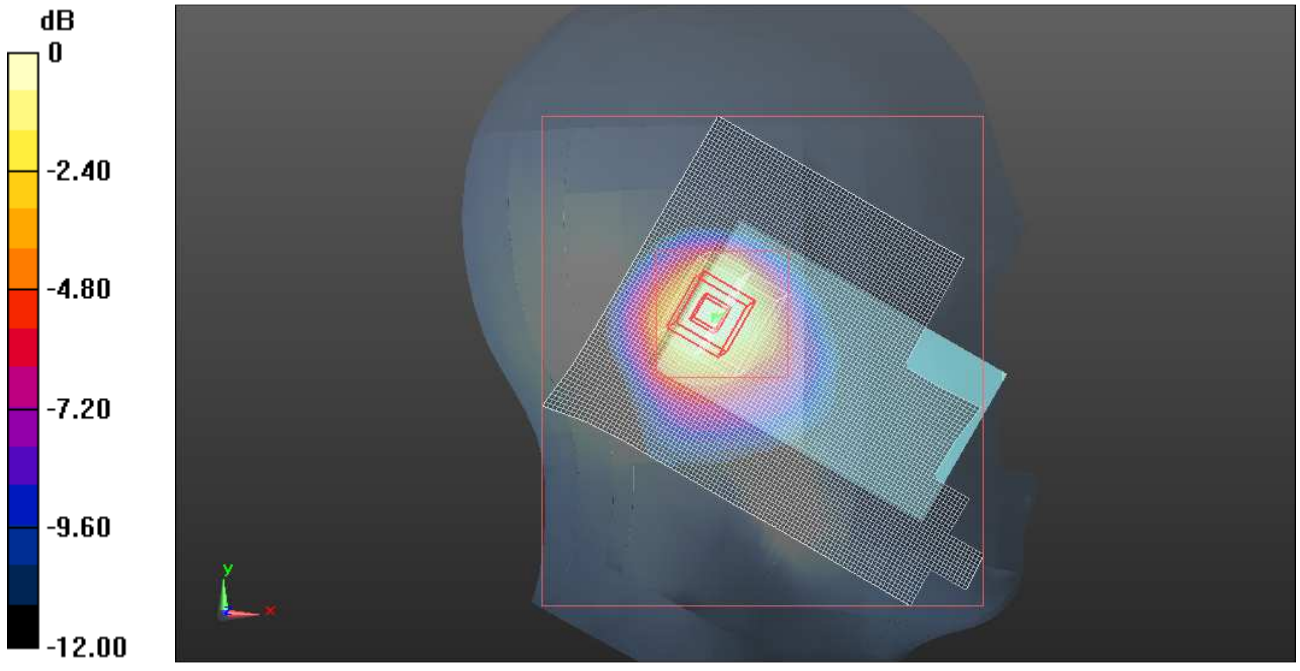
Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.426 mho/m; ε_r = 39.386; ρ = 1000 kg/m^3
Phantom section: Left Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.12, 7.12, 7.12); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

LHS/Tilt_QPSK_5MHz_RB1_RB0_H-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.996 mW/g

LHS/Tilt_QPSK_5MHz_RB1_RB0_H-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.305 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.241 W/kg
SAR(1 g) = 0.748 mW/g; SAR(10 g) = 0.439 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.929 mW/g



0 dB = 0.930mW/g

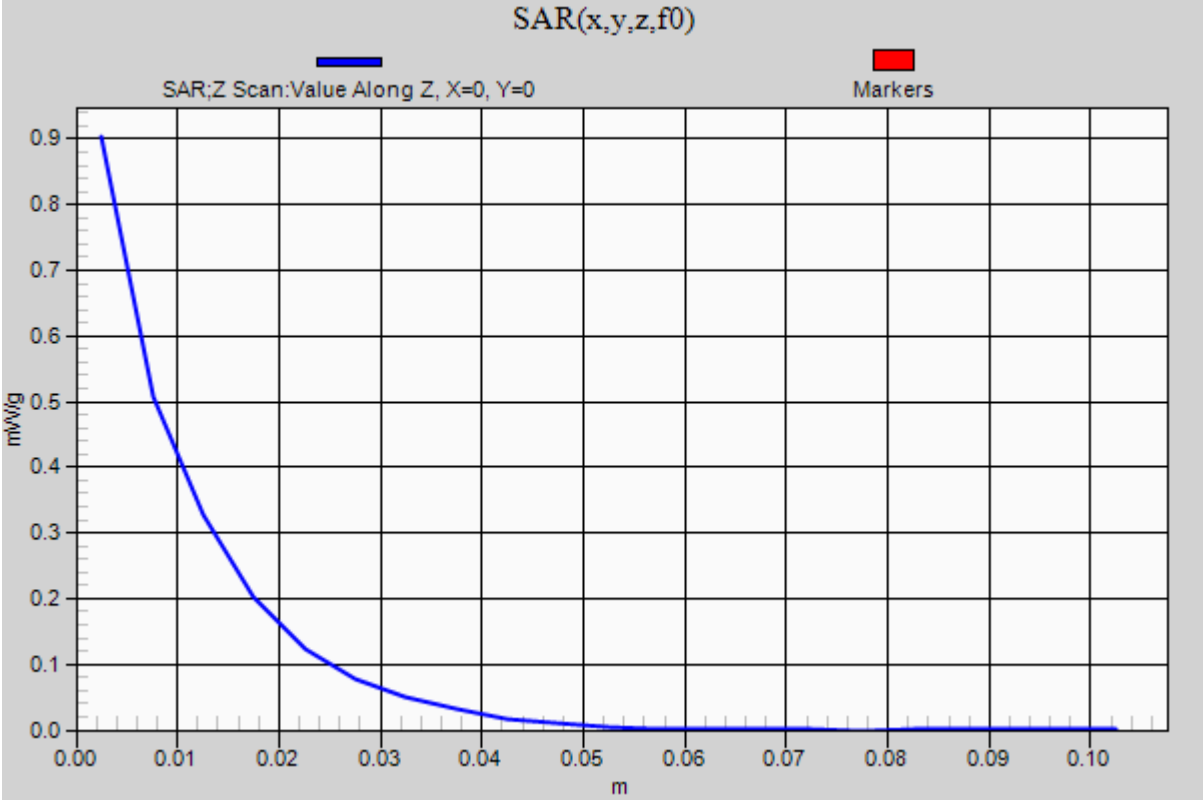
Date: 11/10/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1

LHS/Tilt_QPSK_5MHz_RB1_RB0_H-Ch/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.903 mW/g



Date: 11/10/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

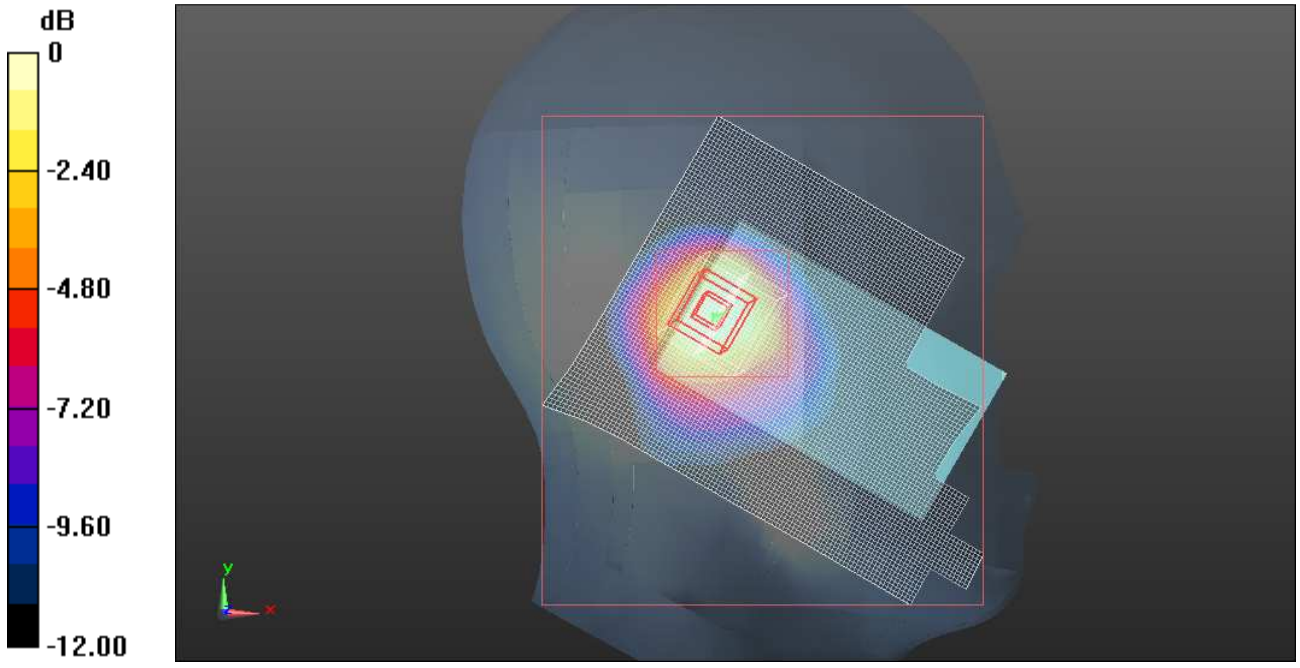
Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.426 mho/m; ε_r = 39.386; ρ = 1000 kg/m^3
Phantom section: Left Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.12, 7.12, 7.12); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

LHS/Tilt_QPSK_5MHz_RB1_RB24_H-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.974 mW/g

LHS/Tilt_QPSK_5MHz_RB1_RB24_H-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.880 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 1.198 W/kg
SAR(1 g) = 0.722 mW/g; SAR(10 g) = 0.422 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.900 mW/g



0 dB = 0.900mW/g

Date: 11/10/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.426 mho/m; ε_r = 39.386; ρ = 1000 kg/m^3
Phantom section: Left Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

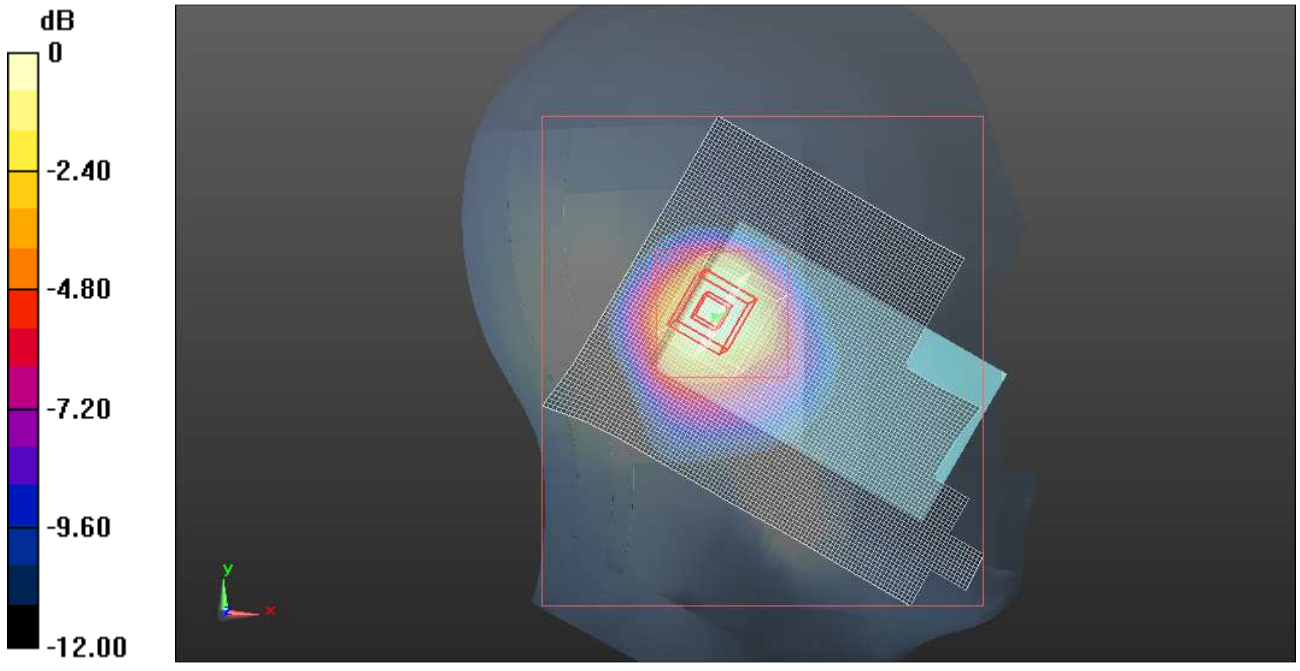
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.12, 7.12, 7.12); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

LHS/Tilt_16QAM_5MHz_RB1_RB0_H-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.823 mW/g

LHS/Tilt_16QAM_5MHz_RB1_RB0_H-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.224 V/m; Power Drift = -0.0017 dB
Peak SAR (extrapolated) = 1.057 W/kg
SAR(1 g) = 0.633 mW/g; SAR(10 g) = 0.371 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.792 mW/g



0 dB = 0.790mW/g

Date: 11/10/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

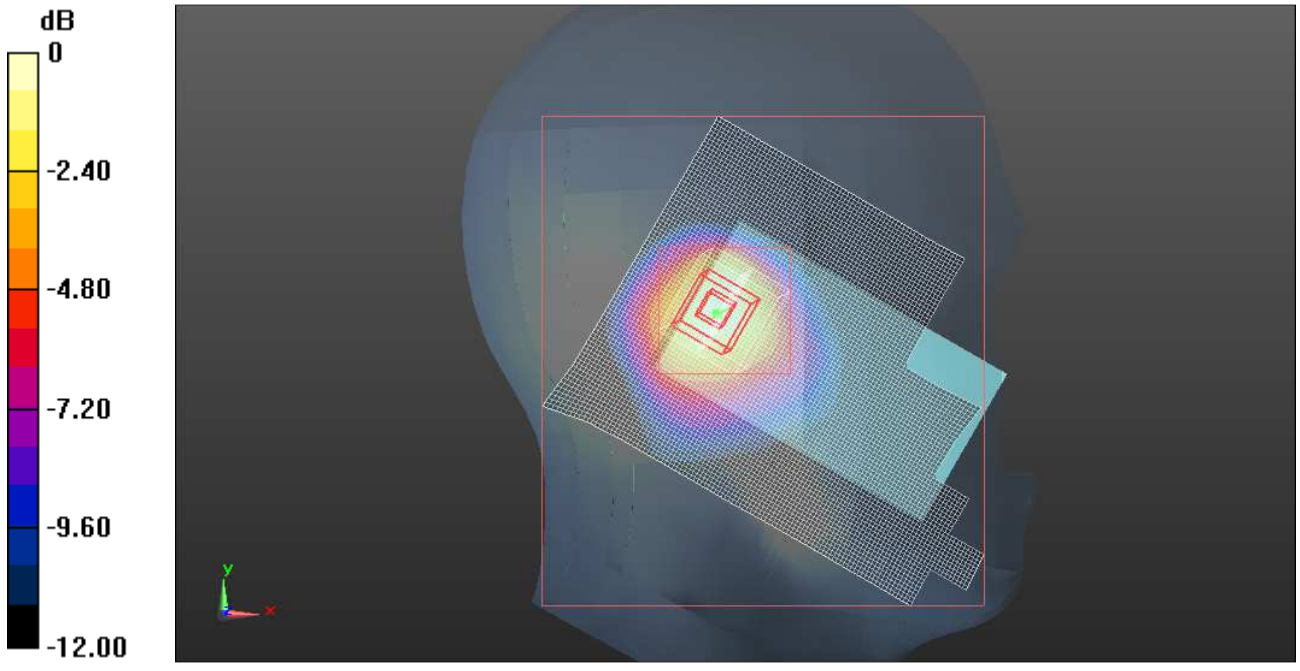
Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.426 mho/m; ε_r = 39.386; ρ = 1000 kg/m^3
Phantom section: Left Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.12, 7.12, 7.12); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

LHS/Tilt_16QAM_5MHz_RB1_RB24_H-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.820 mW/g

LHS/Tilt_16QAM_5MHz_RB1_RB24_H-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.692 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.081 W/kg
SAR(1 g) = 0.647 mW/g; SAR(10 g) = 0.379 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.816 mW/g



0 dB = 0.820mW/g

Date: 11/11/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

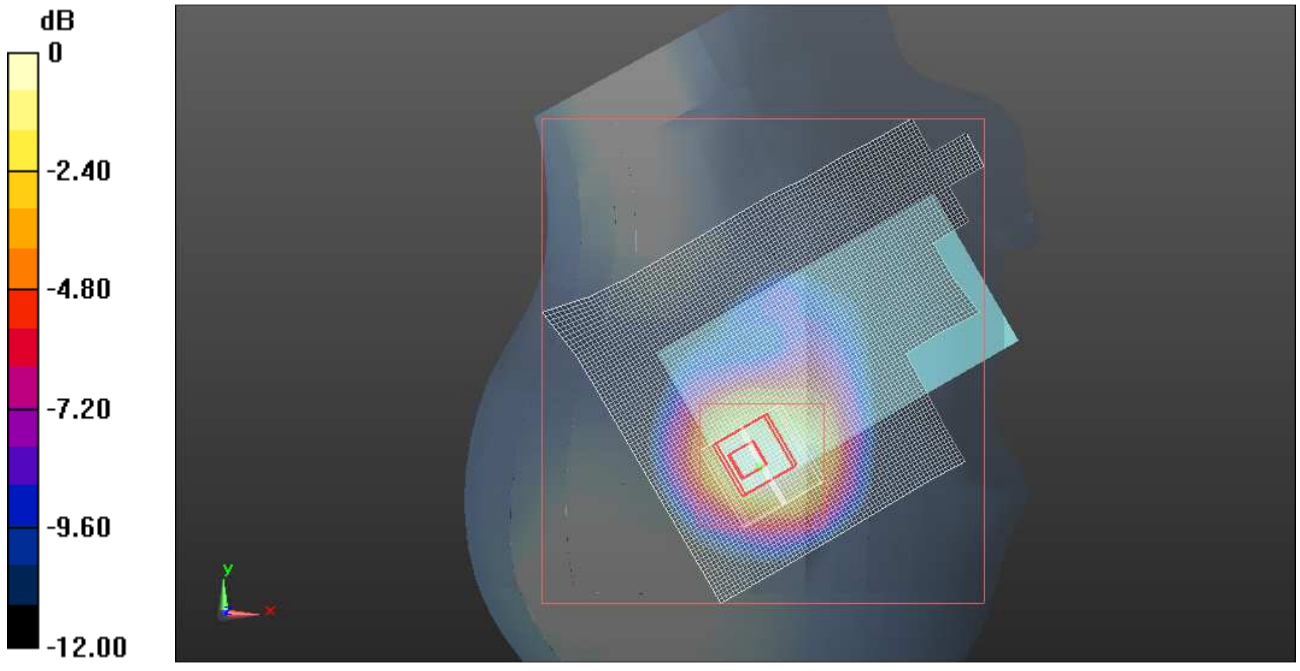
Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.392 mho/m; ε_r = 39.508; ρ = 1000 kg/m^3
Phantom section: Right Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.3, 7.3, 7.3); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

RHS/Touch_QPSK_5MHz_RB1_RB0_M-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.052 mW/g

RHS/Touch_QPSK_5MHz_RB1_RB0_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.178 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.338 W/kg
SAR(1 g) = 0.778 mW/g; SAR(10 g) = 0.454 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.956 mW/g



0 dB = 0.960mW/g

Date: 11/11/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.373 mho/m; ε_r = 39.844; ρ = 1000 kg/m^3
Phantom section: Right Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

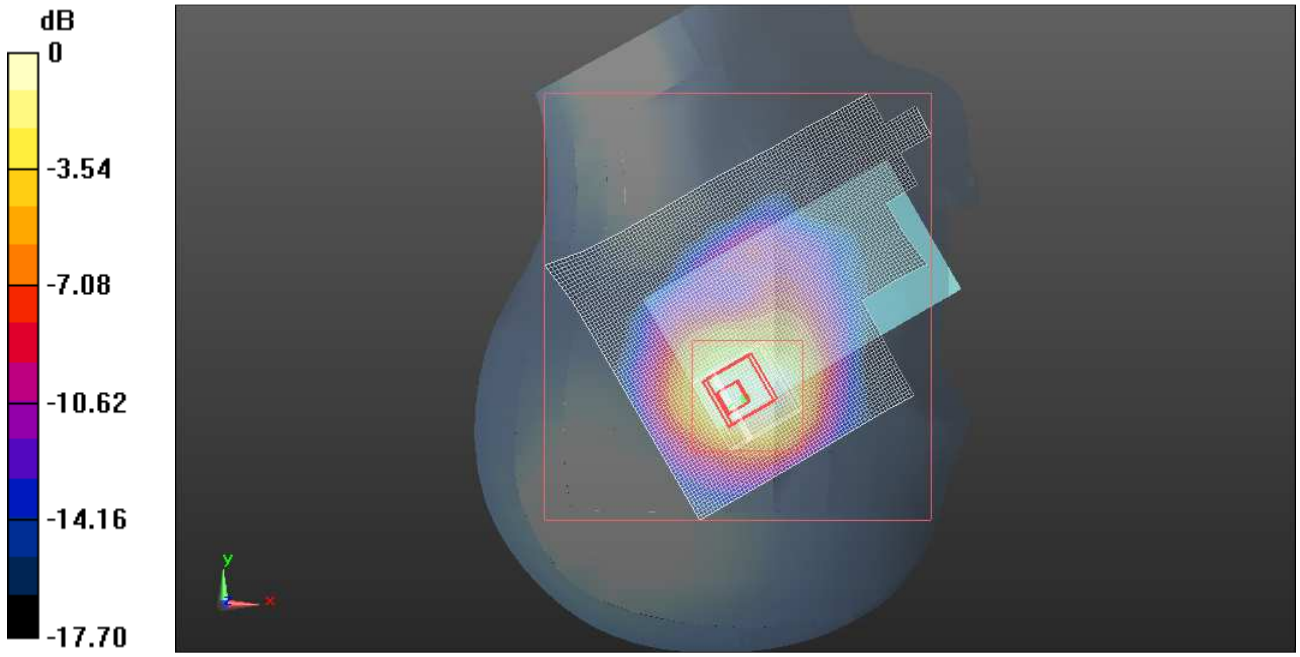
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.3, 7.3, 7.3); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

RHS/Touch_QPSK_5MHz_RB1_RB24_M-Ch_Vol. Scan/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.099 mW/g

RHS/Touch_QPSK_5MHz_RB1_RB24_M-Ch_Vol. Scan/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.112 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.427 W/kg
SAR(1 g) = 0.798 mW/g; SAR(10 g) = 0.459 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.020 mW/g



0 dB = 1.020mW/g

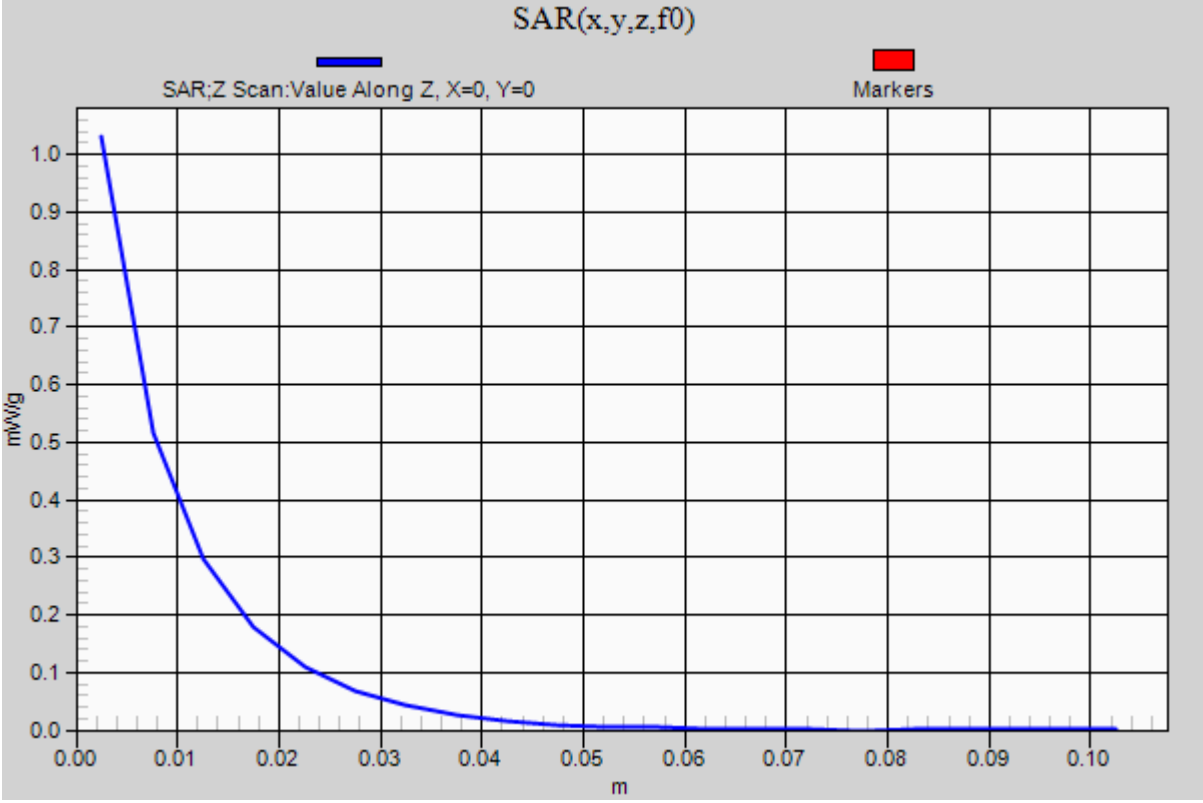
Date: 11/9/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

RHS/Touch_QPSK_5MHz_RB1_RB24_M-Ch/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.031 mW/g



Date: 11/9/2011

Test Laboratory: UL CCS SAR Lab B

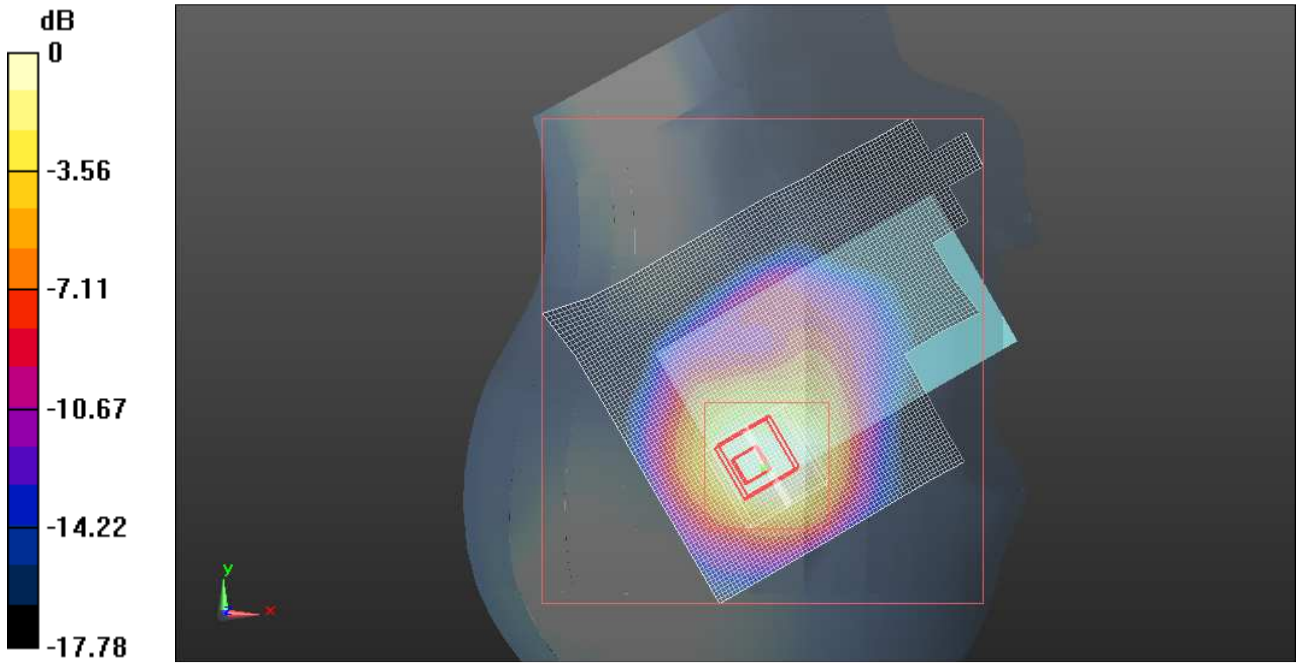
LTE Band 25_Head

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.367 mho/m; ε_r = 40.881; ρ = 1000 kg/m^3
Phantom section: Right Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.3, 7.3, 7.3); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

RHS/Touch_QPSK_5MHz_RB12_RB6_M-Ch/Area Scan (81x111x1): Measurement grid:
dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.893 mW/g

RHS/Touch_QPSK_5MHz_RB12_RB6_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid:
dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.962 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.085 W/kg
SAR(1 g) = 0.629 mW/g; SAR(10 g) = 0.373 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.780 mW/g



0 dB = 0.780mW/g

Date: 11/11/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

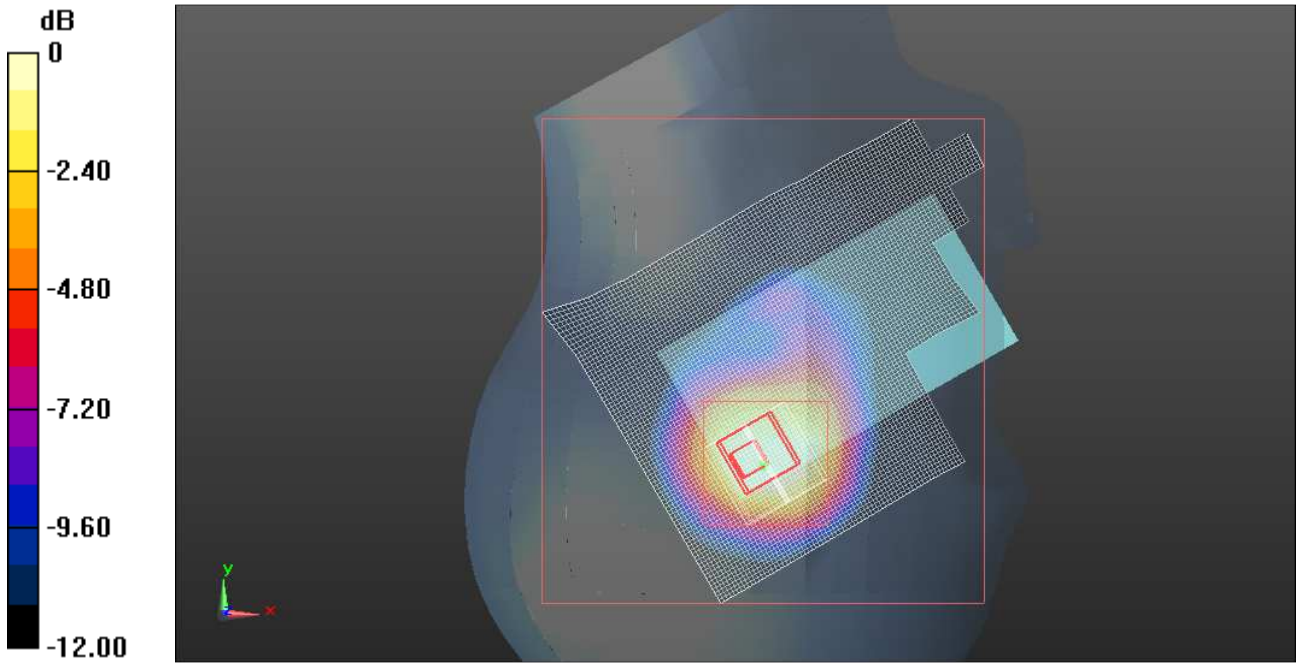
Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.392 mho/m; ε_r = 39.508; ρ = 1000 kg/m^3
Phantom section: Right Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.3, 7.3, 7.3); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

RHS/Touch_16QAM_5MHz_RB1_RB0_M-Ch/Area Scan (81x111x1): Measurement grid:
dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.849 mW/g

RHS/Touch_16QAM_5MHz_RB1_RB0_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid:
dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.552 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 1.069 W/kg
SAR(1 g) = 0.617 mW/g; SAR(10 g) = 0.367 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.766 mW/g



0 dB = 0.770mW/g

Date: 11/9/2011

Test Laboratory: UL CCS SAR Lab B

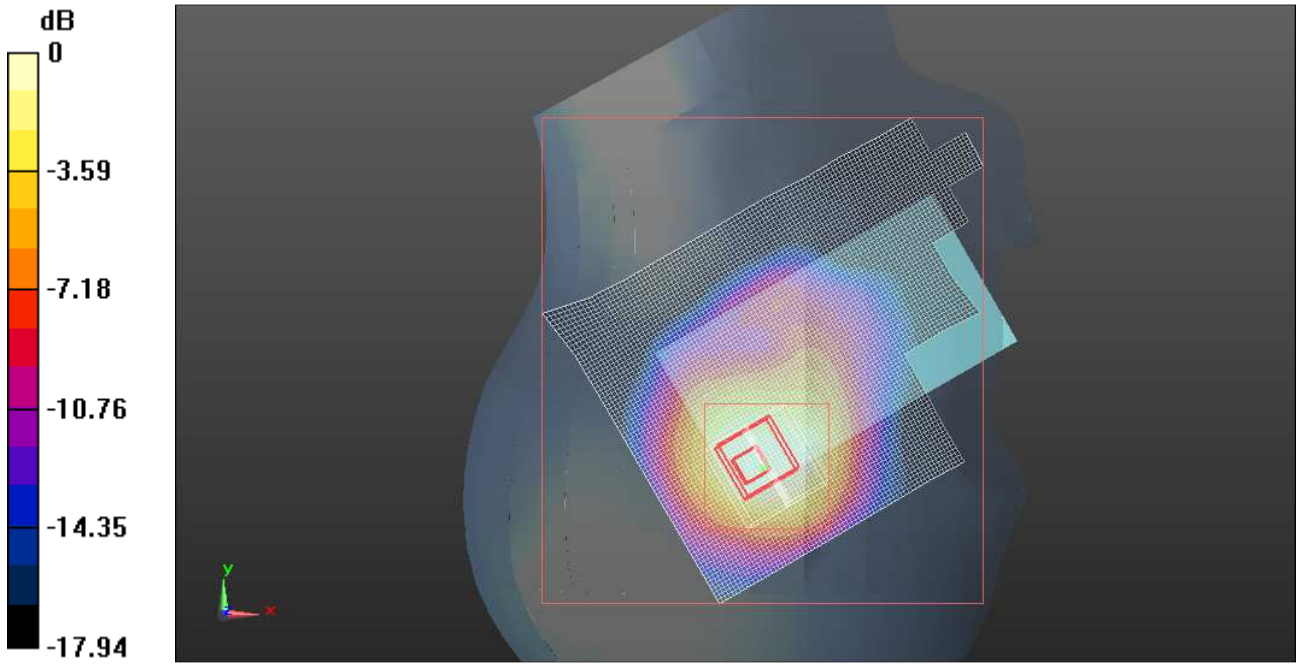
LTE Band 25_Head

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.367 mho/m; ε_r = 40.881; ρ = 1000 kg/m^3
Phantom section: Right Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.3, 7.3, 7.3); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

RHS/Touch_16QAM_5MHz_RB1_RB24_M-Ch/Area Scan (81x111x1): Measurement grid:
dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.962 mW/g

RHS/Touch_16QAM_5MHz_RB1_RB24_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid:
dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.720 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.160 W/kg
SAR(1 g) = 0.671 mW/g; SAR(10 g) = 0.398 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.834 mW/g



0 dB = 0.830mW/g

Date: 11/9/2011

Test Laboratory: UL CCS SAR Lab B

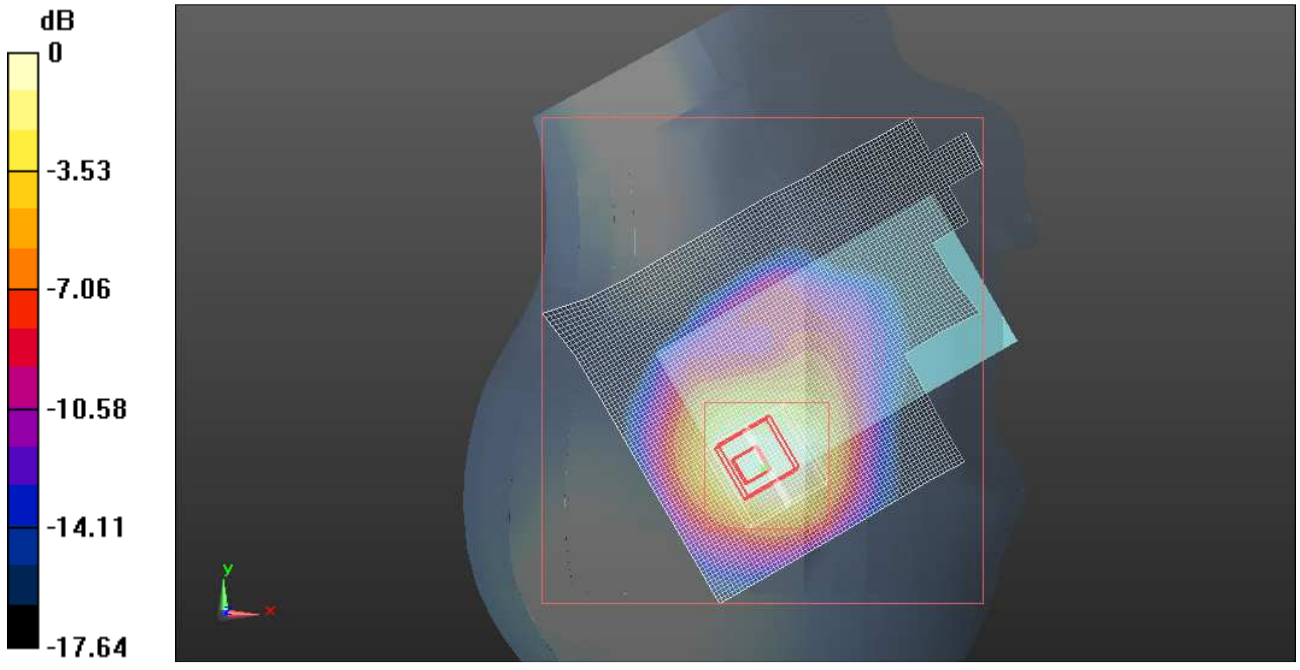
LTE Band 25_Head

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.367 mho/m; ε_r = 40.881; ρ = 1000 kg/m^3
Phantom section: Right Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.3, 7.3, 7.3); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

RHS/Touch_16QAM_5MHz_RB12_RB6_M-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.697 mW/g

RHS/Touch_16QAM_5MHz_RB12_RB6_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.097 V/m; Power Drift = 0.0078 dB
Peak SAR (extrapolated) = 0.840 W/kg
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) = 0.599 mW/g



0 dB = 0.600mW/g

Date: 11/10/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

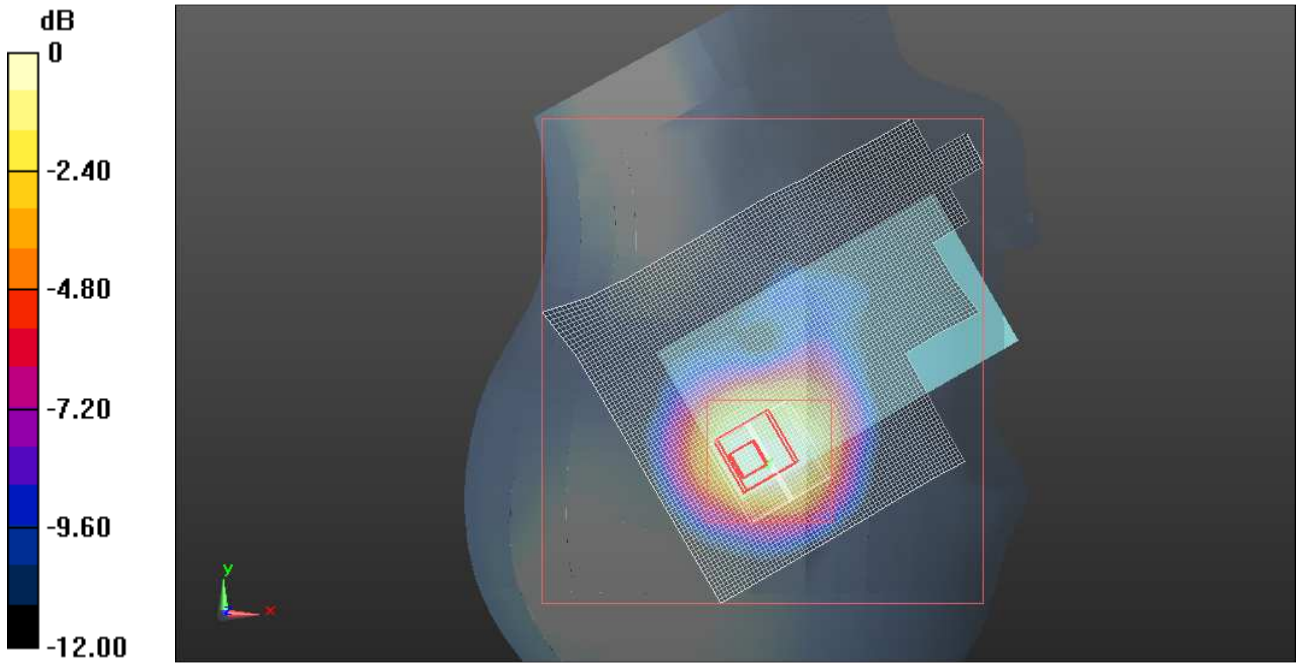
Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.426 mho/m; ε_r = 39.386; ρ = 1000 kg/m^3
Phantom section: Right Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.12, 7.12, 7.12); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

RHS/Touch_QPSK_5MHz_RB1_RB0_H-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.030 mW/g

RHS/Touch_QPSK_5MHz_RB1_RB0_H-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.747 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 1.337 W/kg
SAR(1 g) = 0.745 mW/g; SAR(10 g) = 0.450 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.951 mW/g



0 dB = 0.950mW/g

Date: 11/10/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

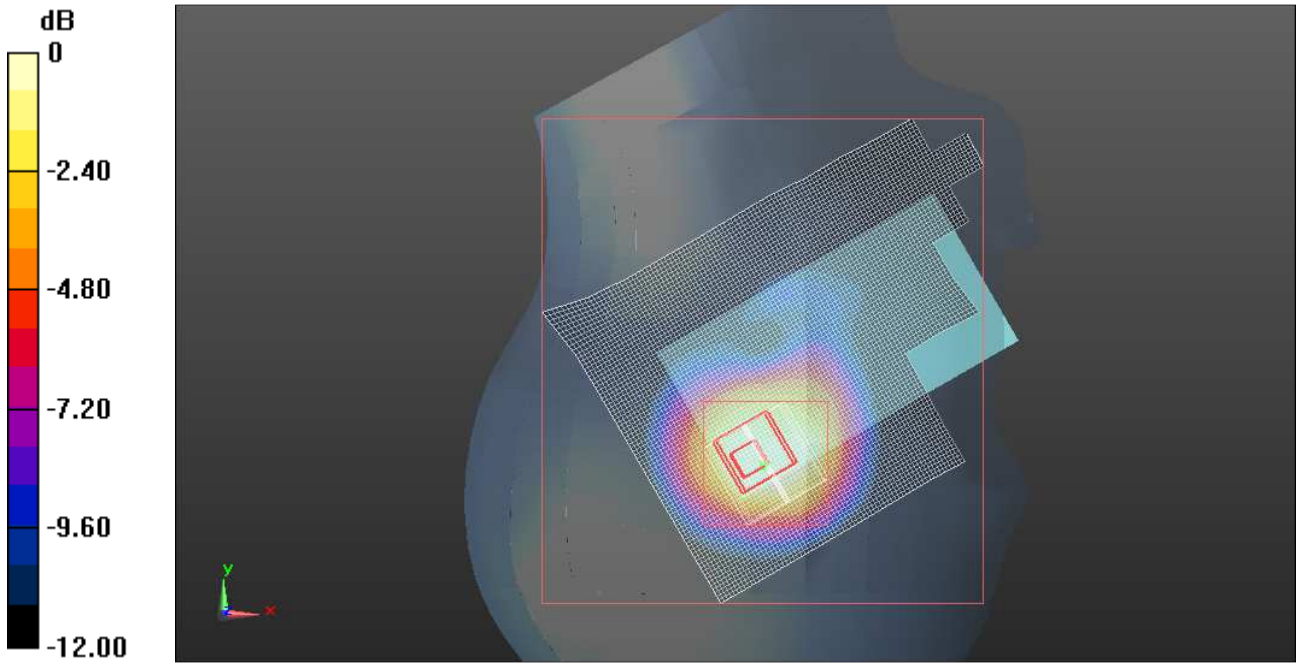
Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.426 mho/m; ε_r = 39.386; ρ = 1000 kg/m^3
Phantom section: Right Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.12, 7.12, 7.12); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

RHS/Touch_QPSK_5MHz_RB1_RB24_H-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.064 mW/g

RHS/Touch_QPSK_5MHz_RB1_RB24_H-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.051 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.359 W/kg
SAR(1 g) = 0.757 mW/g; SAR(10 g) = 0.455 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.961 mW/g



0 dB = 0.960mW/g

Date: 11/10/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

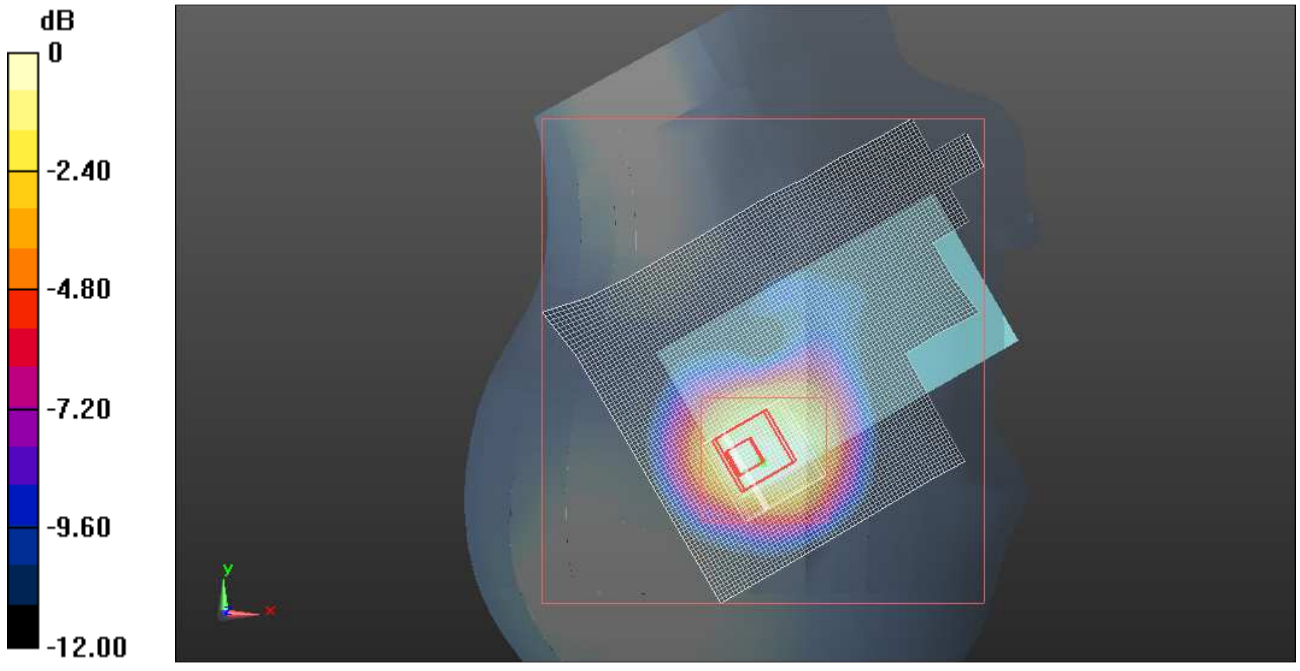
Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.426 mho/m; ε_r = 39.386; ρ = 1000 kg/m^3
Phantom section: Right Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.12, 7.12, 7.12); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

RHS/Touch_16QAM_5MHz_RB1_RB0_H-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.801 mW/g

RHS/Touch_16QAM_5MHz_RB1_RB0_H-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.171 V/m; Power Drift = 0.00088 dB
Peak SAR (extrapolated) = 1.093 W/kg
SAR(1 g) = 0.622 mW/g; SAR(10 g) = 0.372 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.767 mW/g



0 dB = 0.770mW/g

Date: 11/10/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

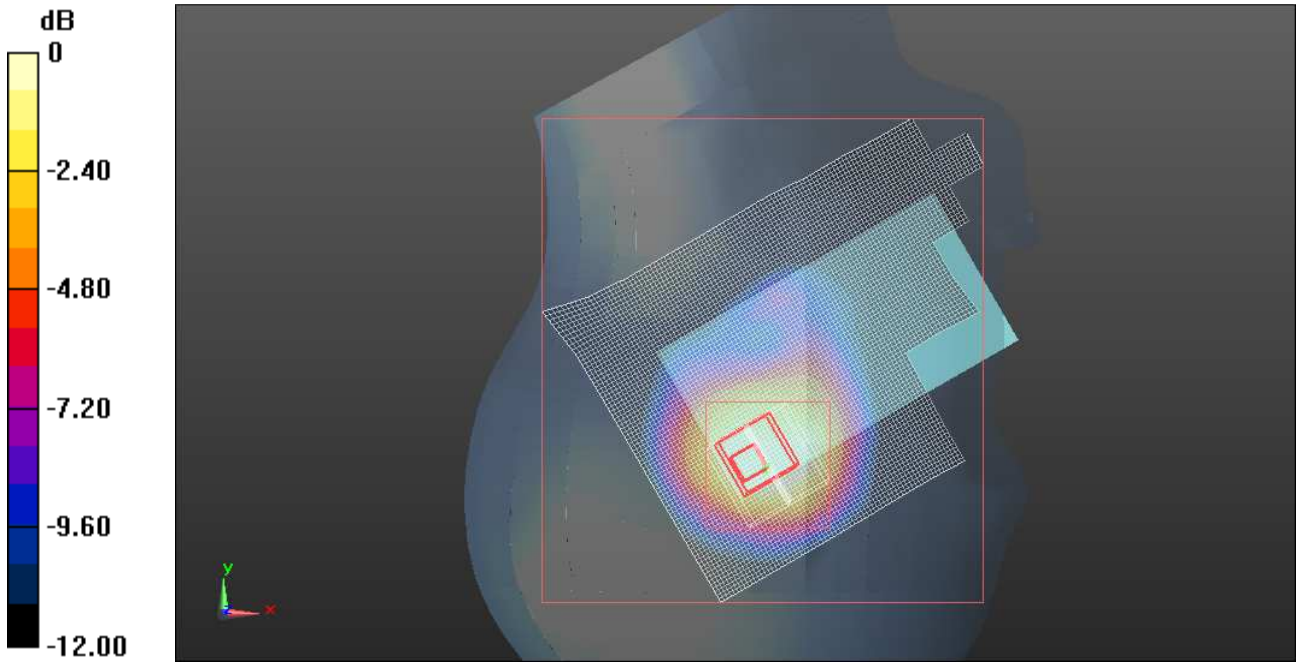
Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.426 mho/m; ε_r = 39.386; ρ = 1000 kg/m^3
Phantom section: Right Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.12, 7.12, 7.12); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

RHS/Touch_16QAM_5MHz_RB1_RB24_H-Ch/Area Scan (81x111x1): Measurement grid:
dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.058 mW/g

RHS/Touch_16QAM_5MHz_RB1_RB24_H-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid:
dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.275 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.301 W/kg
SAR(1 g) = 0.740 mW/g; SAR(10 g) = 0.437 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.930 mW/g



0 dB = 0.930mW/g

Date: 11/11/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

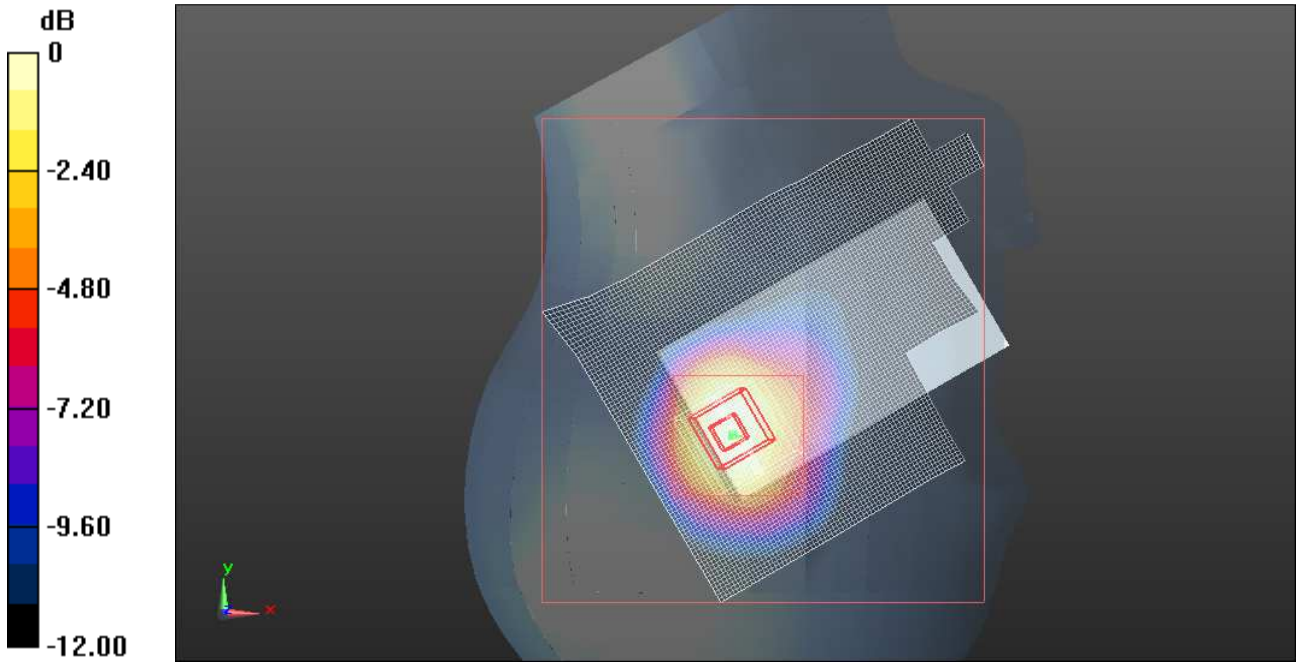
Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.392 mho/m; ε_r = 39.508; ρ = 1000 kg/m^3
Phantom section: Right Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.3, 7.3, 7.3); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

RHS/Tilt_QPSK_5MHz_RB1_RB0_M-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.942 mW/g

RHS/Tilt_QPSK_5MHz_RB1_RB0_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.761 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.166 W/kg
SAR(1 g) = 0.700 mW/g; SAR(10 g) = 0.419 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.865 mW/g



0 dB = 0.870mW/g

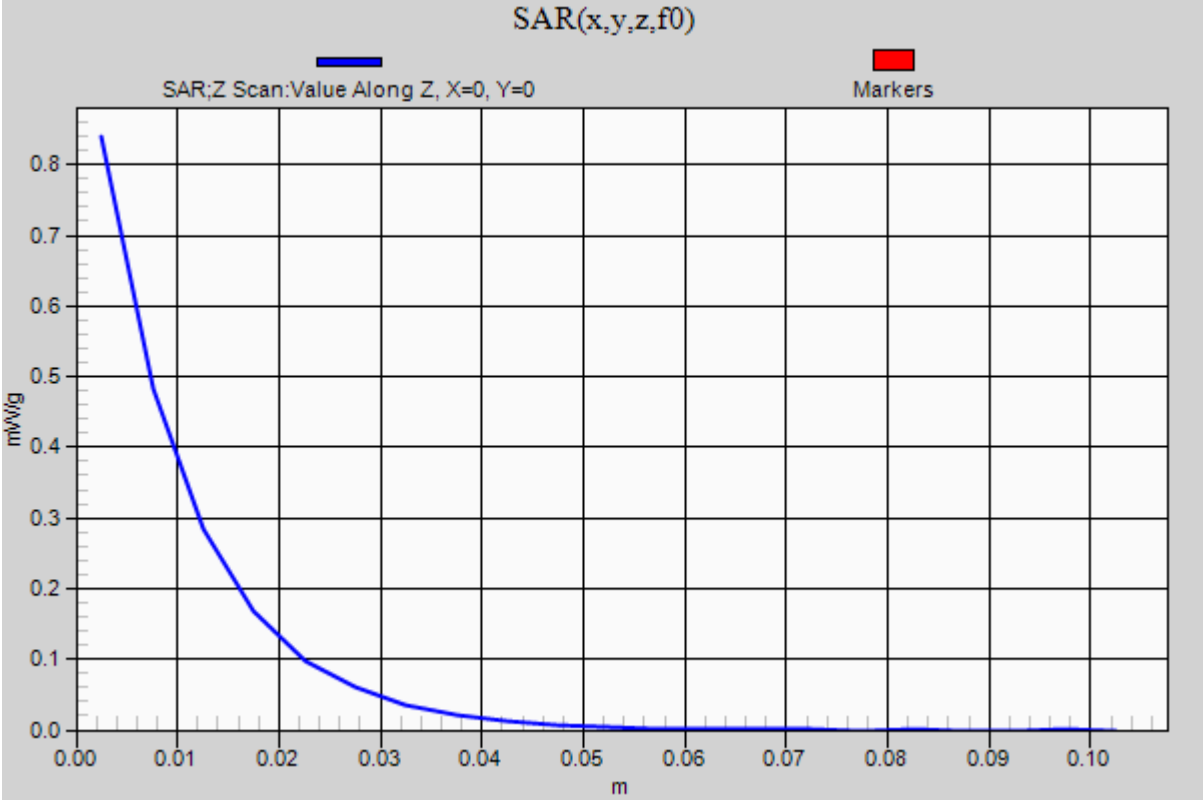
Date: 11/11/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

RHS/Tilt_QPSK_5MHz_RB1_RB0_M-Ch/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.840 mW/g



Date: 11/9/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

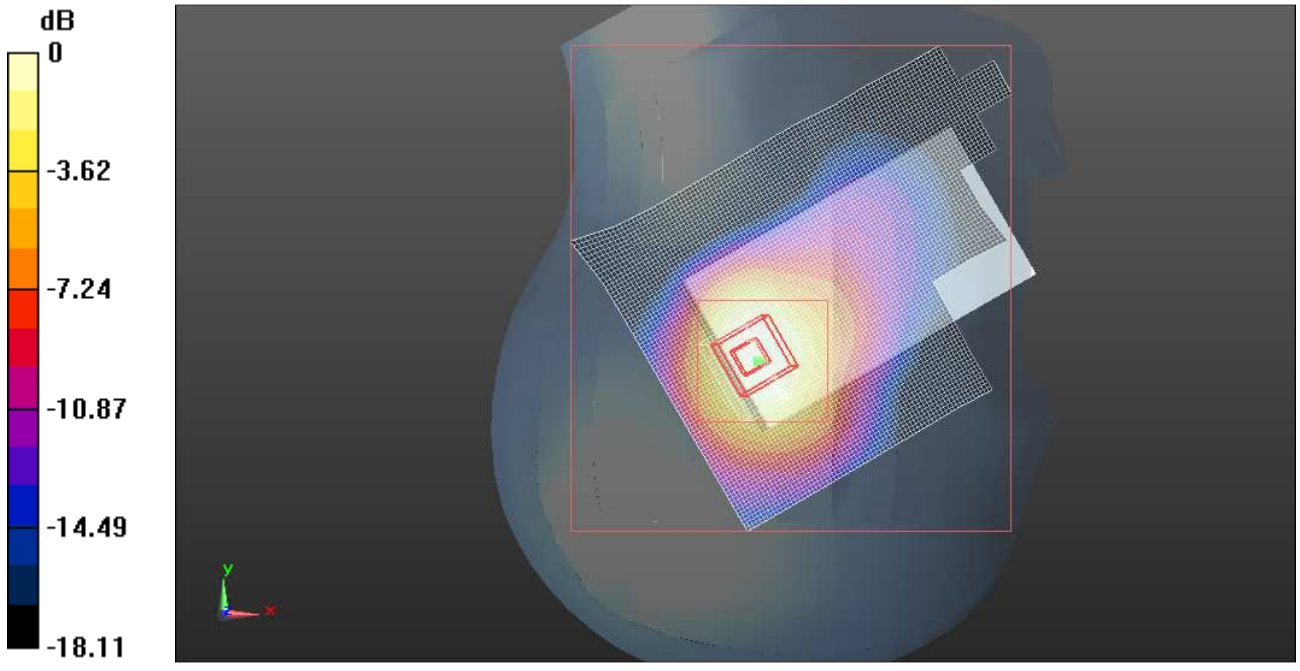
Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.367 mho/m; ε_r = 40.881; ρ = 1000 kg/m^3
Phantom section: Right Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.3, 7.3, 7.3); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

RHS/Tilt_QPSK_5MHz_RB1_RB24_M-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.892 mW/g

RHS/Tilt_QPSK_5MHz_RB1_RB24_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.628 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.091 W/kg
SAR(1 g) = 0.667 mW/g; SAR(10 g) = 0.401 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.817 mW/g



0 dB = 0.820mW/g

Date: 11/9/2011

Test Laboratory: UL CCS SAR Lab B

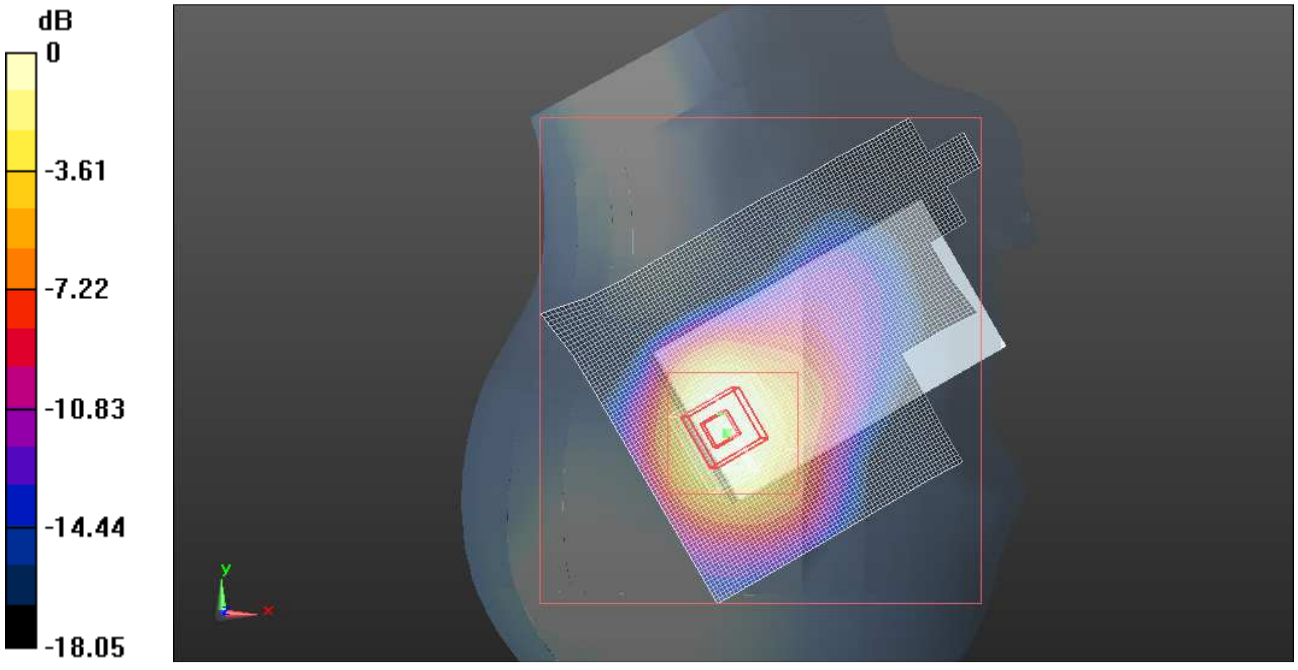
LTE Band 25_Head

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.367 mho/m; ε_r = 40.881; ρ = 1000 kg/m^3
Phantom section: Right Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.3, 7.3, 7.3); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

RHS/Tilt_QPSK_5MHz_RB12_RB6_M-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.678 mW/g

RHS/Tilt_QPSK_5MHz_RB12_RB6_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.652 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.822 W/kg
SAR(1 g) = 0.504 mW/g; SAR(10 g) = 0.302 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.619 mW/g



0 dB = 0.620mW/g

Date: 11/11/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

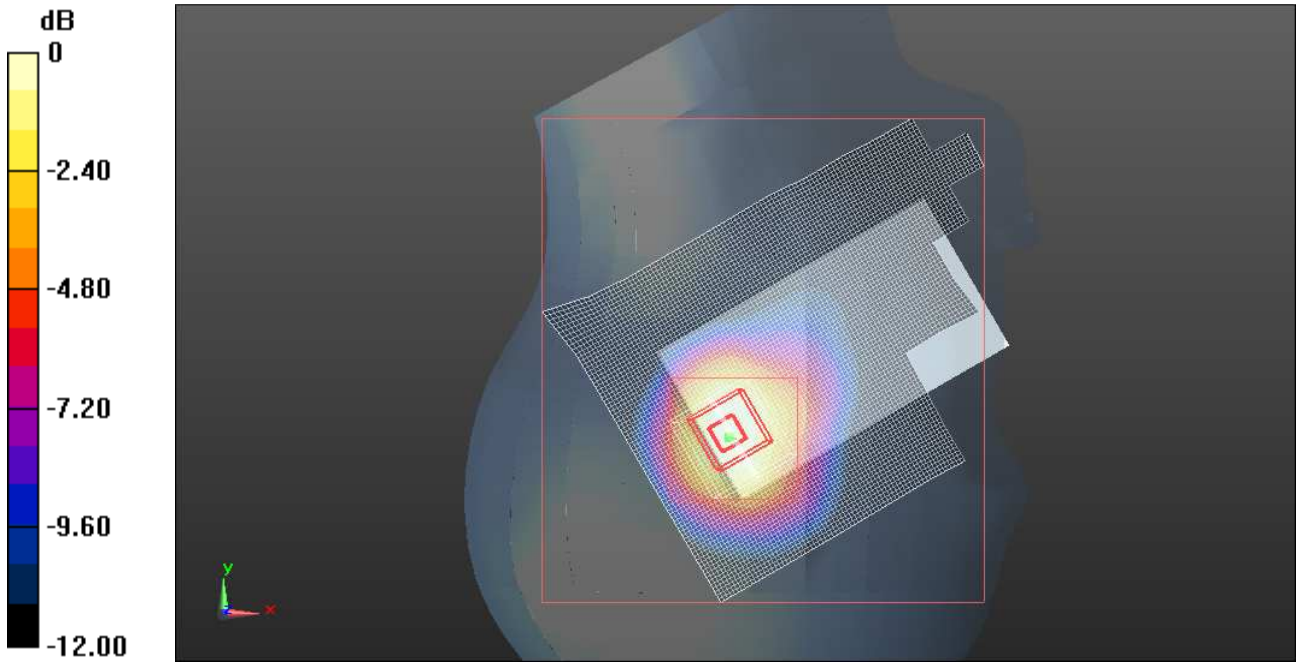
Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.392 mho/m; ε_r = 39.508; ρ = 1000 kg/m^3
Phantom section: Right Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.3, 7.3, 7.3); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

RHS/Tilt_16QAM_5MHz_RB1_RB0_M-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.760 mW/g

RHS/Tilt_16QAM_5MHz_RB1_RB0_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.224 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.940 W/kg
SAR(1 g) = 0.567 mW/g; SAR(10 g) = 0.340 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.705 mW/g



0 dB = 0.700mW/g

Date: 11/9/2011

Test Laboratory: UL CCS SAR Lab B

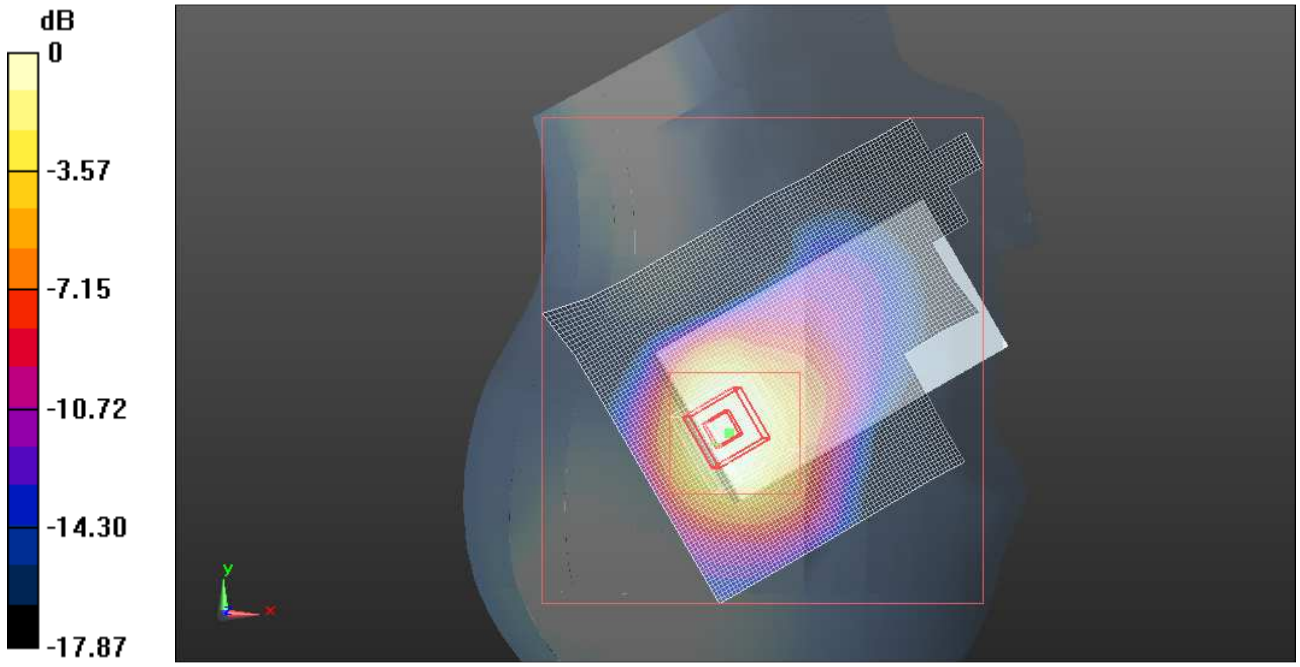
LTE Band 25_Head

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.367 mho/m; ε_r = 40.881; ρ = 1000 kg/m^3
Phantom section: Right Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.3, 7.3, 7.3); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

RHS/Tilt_16QAM_5MHz_RB1_RB24_M-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.728 mW/g

RHS/Tilt_16QAM_5MHz_RB1_RB24_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.445 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.894 W/kg
SAR(1 g) = 0.543 mW/g; SAR(10 g) = 0.327 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.663 mW/g



0 dB = 0.660mW/g

Date: 11/9/2011

Test Laboratory: UL CCS SAR Lab B

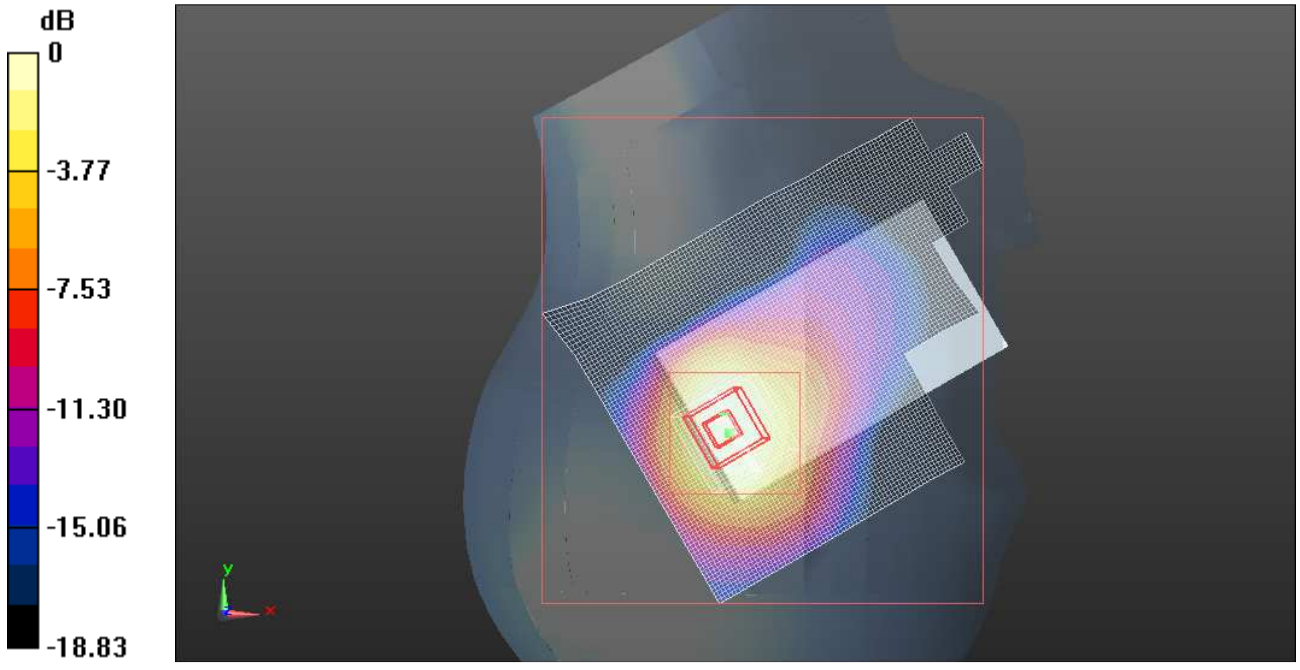
LTE Band 25_Head

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.367 mho/m; ε_r = 40.881; ρ = 1000 kg/m^3
Phantom section: Right Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.3, 7.3, 7.3); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

RHS/Tilt_16QAM_5MHz_RB12_RB6_M-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.533 mW/g

RHS/Tilt_16QAM_5MHz_RB12_RB6_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.244 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.654 W/kg
SAR(1 g) = 0.401 mW/g; SAR(10 g) = 0.241 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.493 mW/g



0 dB = 0.490mW/g

Date: 11/10/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

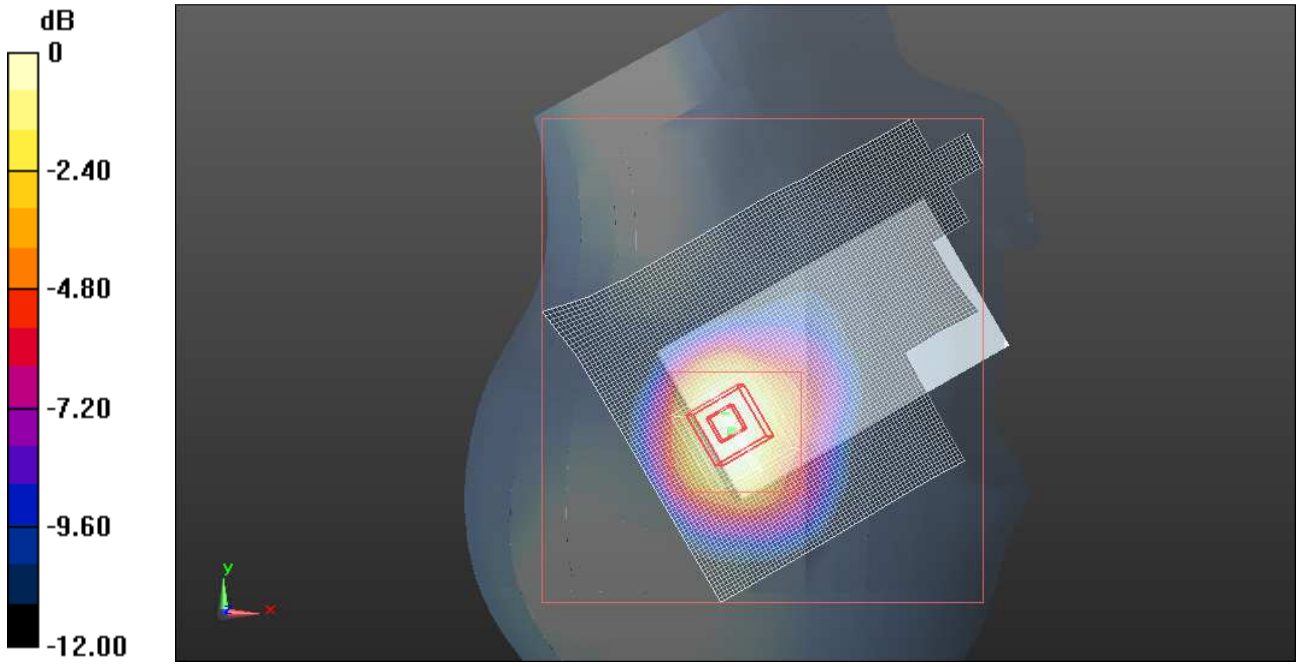
Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.426 mho/m; ε_r = 39.386; ρ = 1000 kg/m^3
Phantom section: Right Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.12, 7.12, 7.12); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

RHS/Tilt_QPSK_5MHz_RB1_RB0_H-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.891 mW/g

RHS/Tilt_QPSK_5MHz_RB1_RB0_H-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.440 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.112 W/kg
SAR(1 g) = 0.681 mW/g; SAR(10 g) = 0.410 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.842 mW/g



0 dB = 0.840mW/g

Date: 11/11/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.426 mho/m; ε_r = 39.386; ρ = 1000 kg/m^3
Phantom section: Right Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

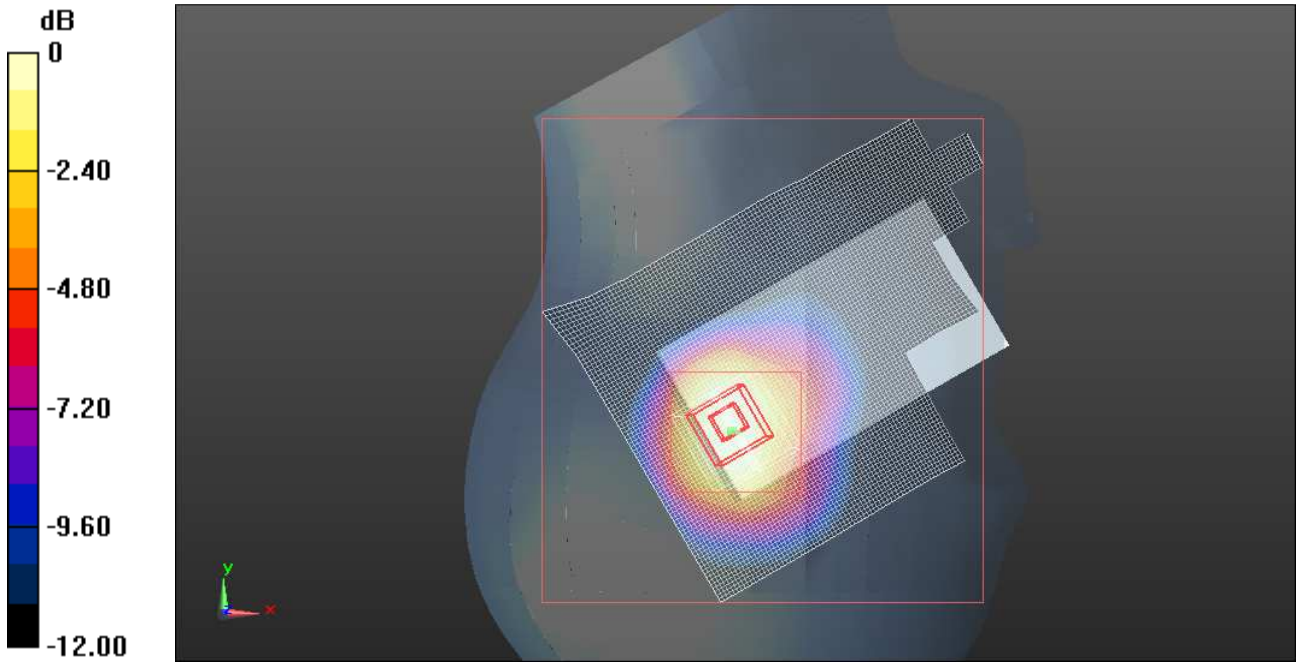
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.12, 7.12, 7.12); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

RHS/Tilt_QPSK_5MHz_RB1_RB24_H-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.876 mW/g

RHS/Tilt_QPSK_5MHz_RB1_RB24_H-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.117 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 1.071 W/kg
SAR(1 g) = 0.659 mW/g; SAR(10 g) = 0.398 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.808 mW/g



0 dB = 0.810mW/g

Date: 11/11/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.426 mho/m; ε_r = 39.386; ρ = 1000 kg/m^3
Phantom section: Right Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

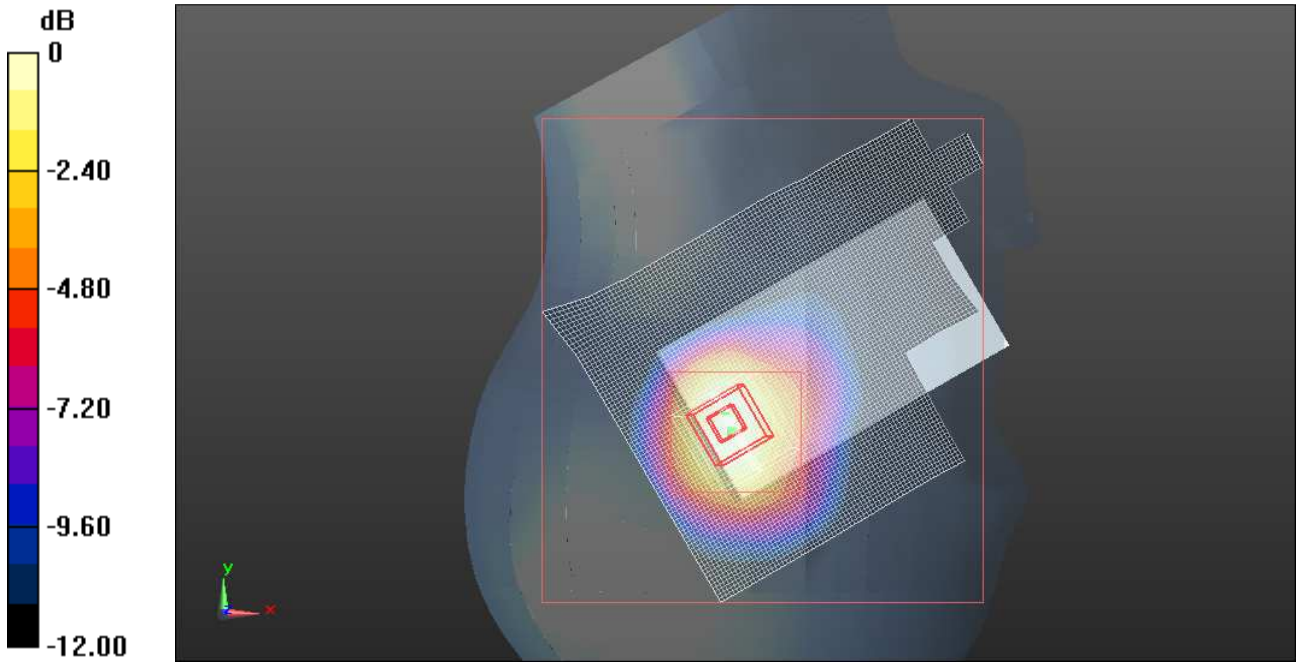
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.12, 7.12, 7.12); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

RHS/Tilt_16QAM_5MHz_RB1_RB0_H-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.721 mW/g

RHS/Tilt_16QAM_5MHz_RB1_RB0_H-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.751 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.937 W/kg
SAR(1 g) = 0.571 mW/g; SAR(10 g) = 0.344 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.702 mW/g



0 dB = 0.700mW/g

Date: 11/11/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Head

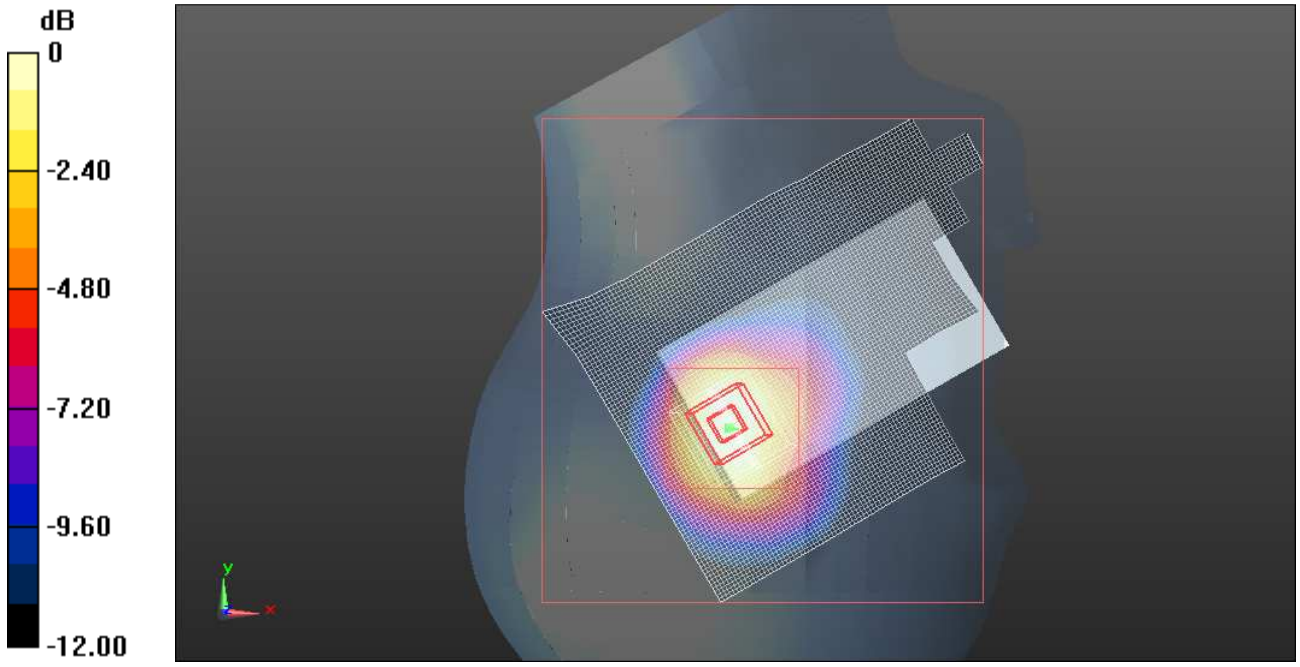
Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.426 mho/m; ε_r = 39.386; ρ = 1000 kg/m^3
Phantom section: Right Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.12, 7.12, 7.12); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

RHS/Tilt_16QAM_5MHz_RB1_RB24_H-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.755 mW/g

RHS/Tilt_16QAM_5MHz_RB1_RB24_H-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.617 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.950 W/kg
SAR(1 g) = 0.580 mW/g; SAR(10 g) = 0.346 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.731 mW/g



0 dB = 0.730mW/g

Date: 11/11/2011

Test Laboratory: UL CCS SAR Lab A

LTE Band 25_Body

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.469 mho/m; ε_r = 52.824; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

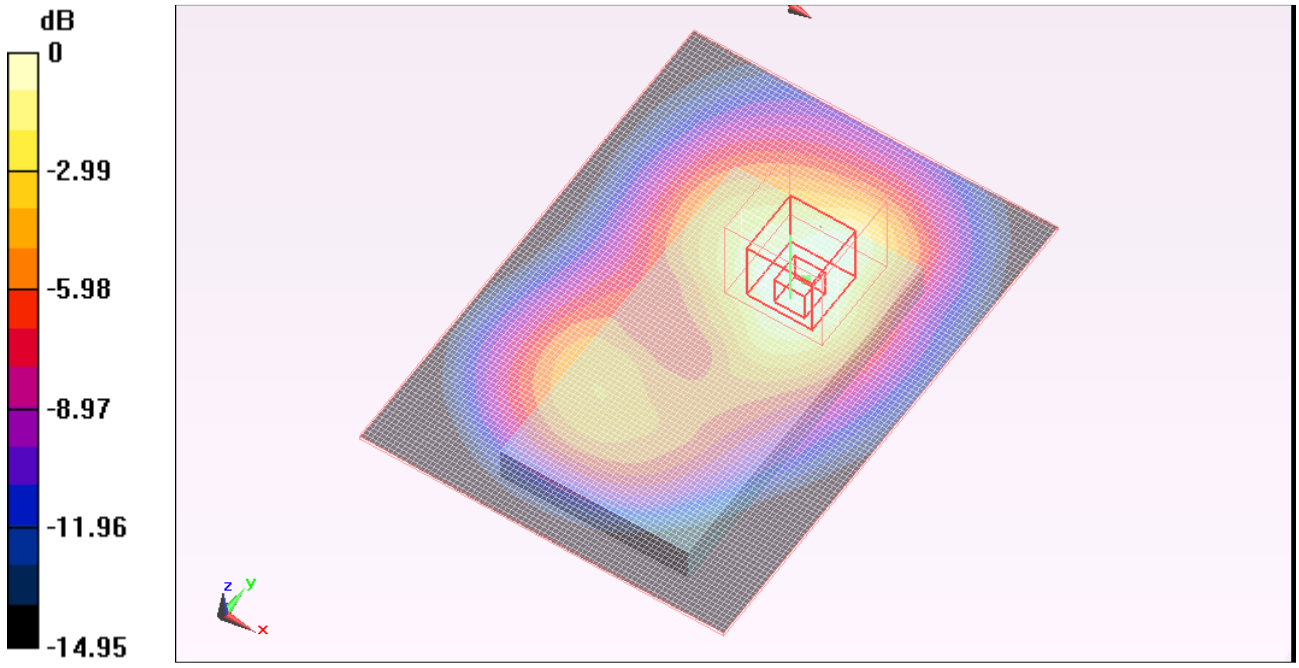
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Rear/QPSK_5MHz_RB1_RB0_M-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.686 mW/g

Rear/QPSK_5MHz_RB1_RB0_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.862 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.837 W/kg
SAR(1 g) = 0.490 mW/g; SAR(10 g) = 0.296 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.620 mW/g



0 dB = 0.620mW/g

Date: 11/7/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Body

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.466 mho/m; ε_r = 52.356; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

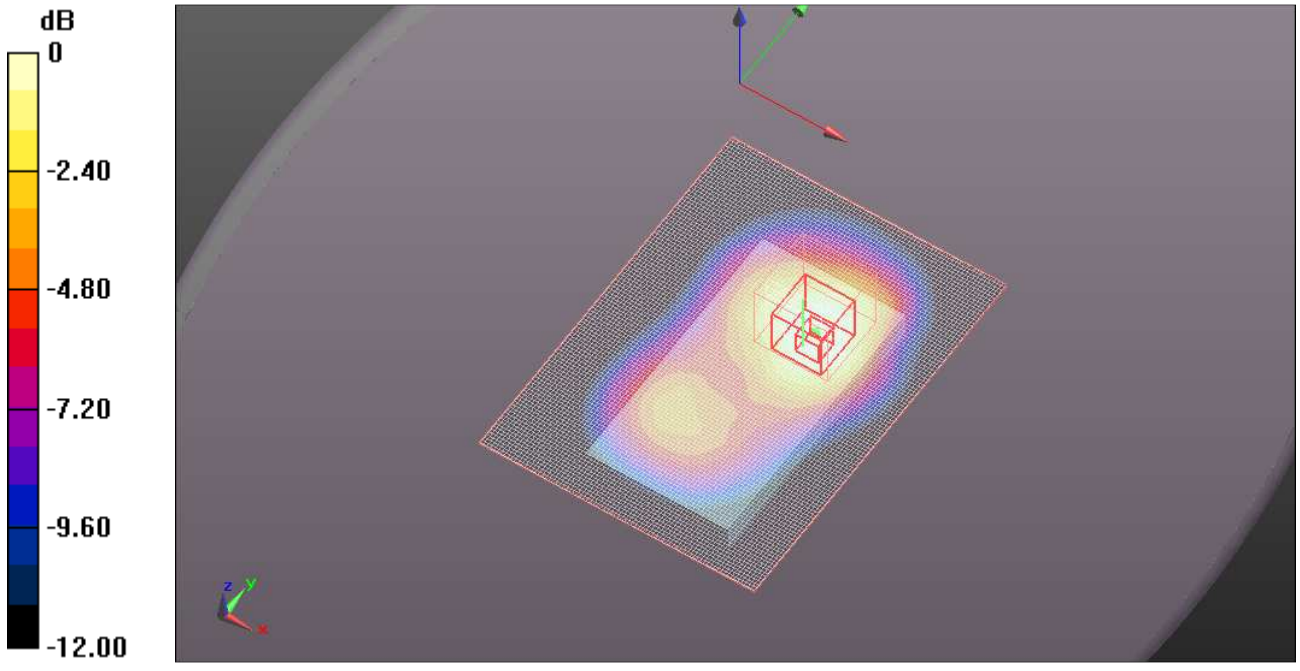
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Rear/QPSK_5MHz_RB1_RB24_M-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.783 mW/g

Rear/QPSK_5MHz_RB1_RB24_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.742 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.987 W/kg
SAR(1 g) = 0.580 mW/g; SAR(10 g) = 0.345 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.719 mW/g



0 dB = 0.720mW/g

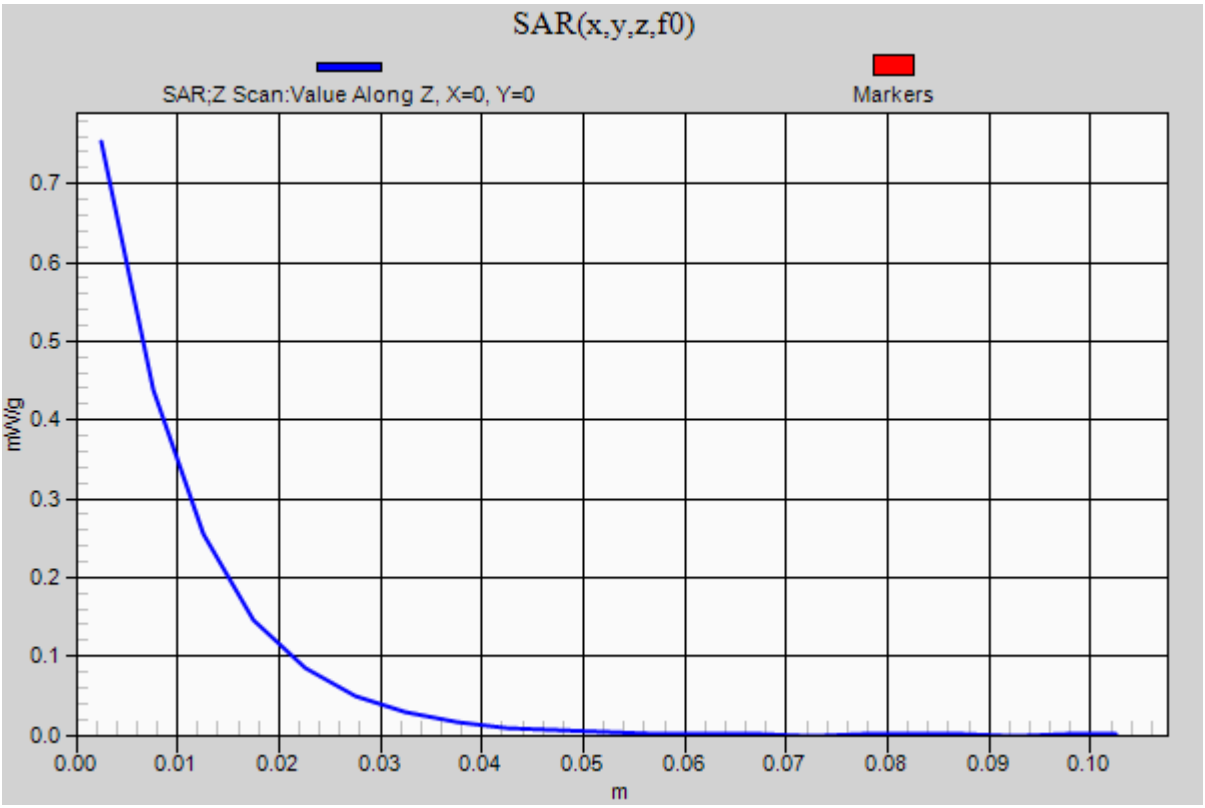
Date: 11/7/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Body

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Rear/QPSK_5MHz_RB1_RB24_M-Ch/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.753 mW/g



Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Body

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.466 mho/m; ε_r = 52.356; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

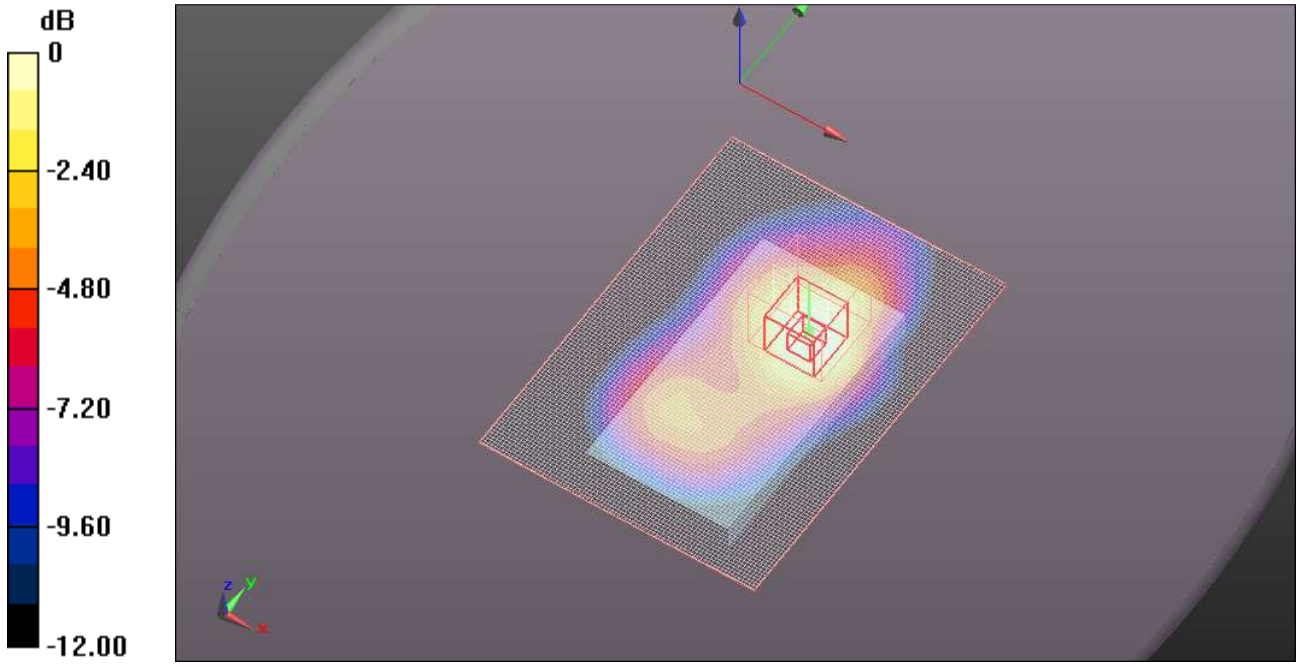
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Rear/QPSK_5MHz_RB1_RB24_M-Ch - Headset/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.668 mW/g

Rear/QPSK_5MHz_RB1_RB24_M-Ch - Headset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.615 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.902 W/kg
SAR(1 g) = 0.534 mW/g; SAR(10 g) = 0.312 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.656 mW/g



0 dB = 0.660mW/g

Date: 11/7/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Body

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.466 mho/m; ε_r = 52.356; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

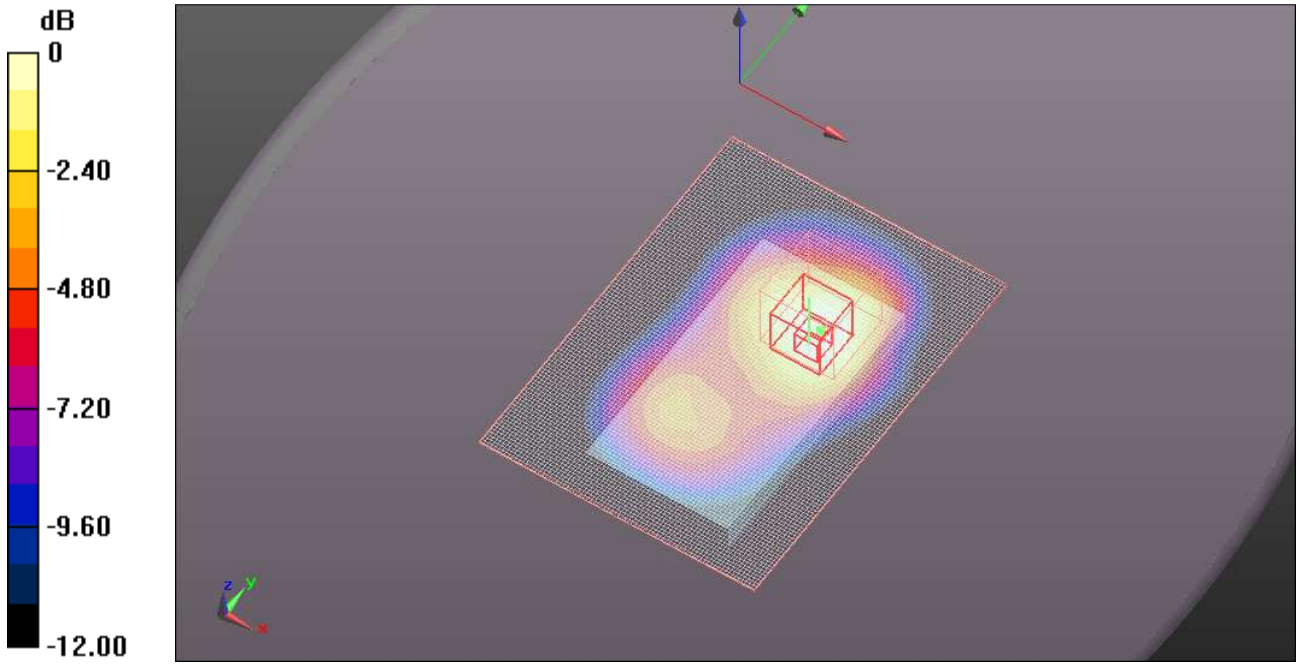
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Rear/QPSK_5MHz_RB12_RB6_M-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.598 mW/g

Rear/QPSK_5MHz_RB12_RB6_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.211 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.782 W/kg
SAR(1 g) = 0.460 mW/g; SAR(10 g) = 0.274 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.587 mW/g



0 dB = 0.590mW/g

Date: 11/11/2011

Test Laboratory: UL CCS SAR Lab A

LTE Band 25_Body

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.469 mho/m; ε_r = 52.824; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

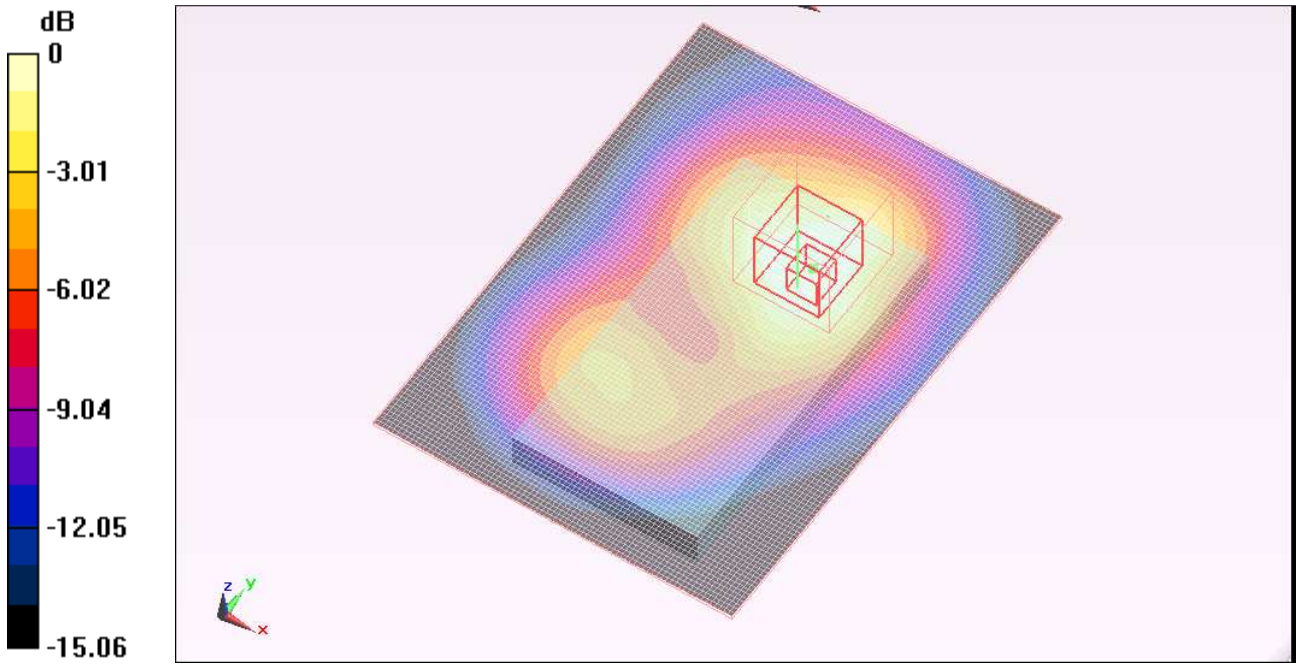
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Rear/16QAM_5MHz_RB1_RB0_M-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

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

Rear/16QAM_5MHz_RB1_RB0_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.104 V/m; Power Drift = -0.0026 dB
Peak SAR (extrapolated) = 0.695 W/kg
SAR(1 g) = 0.401 mW/g; SAR(10 g) = 0.246 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.498 mW/g



0 dB = 0.500mW/g

Date: 11/7/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Body

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.466 mho/m; ε_r = 52.356; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

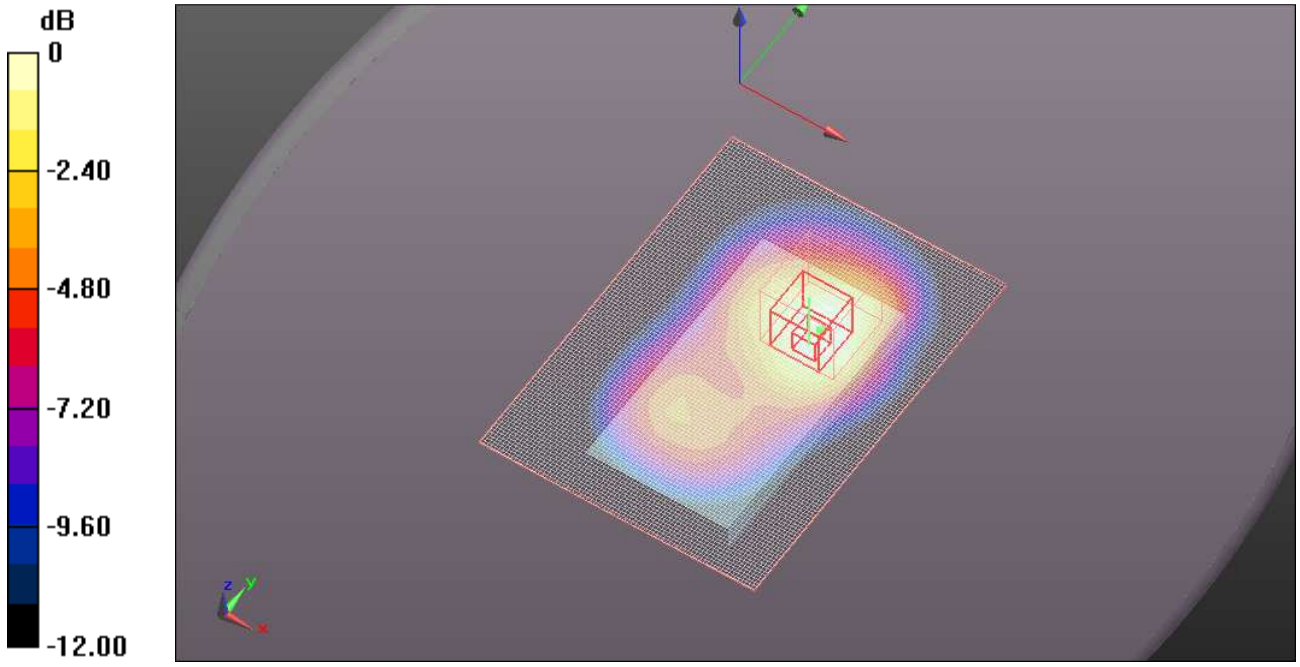
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Rear/16QAM_5MHz_RB1_RB24_M-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.562 mW/g

Rear/16QAM_5MHz_RB1_RB24_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.541 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.748 W/kg
SAR(1 g) = 0.439 mW/g; SAR(10 g) = 0.261 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.564 mW/g



0 dB = 0.560mW/g

Date: 11/7/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Body

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.466 mho/m; ε_r = 52.356; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

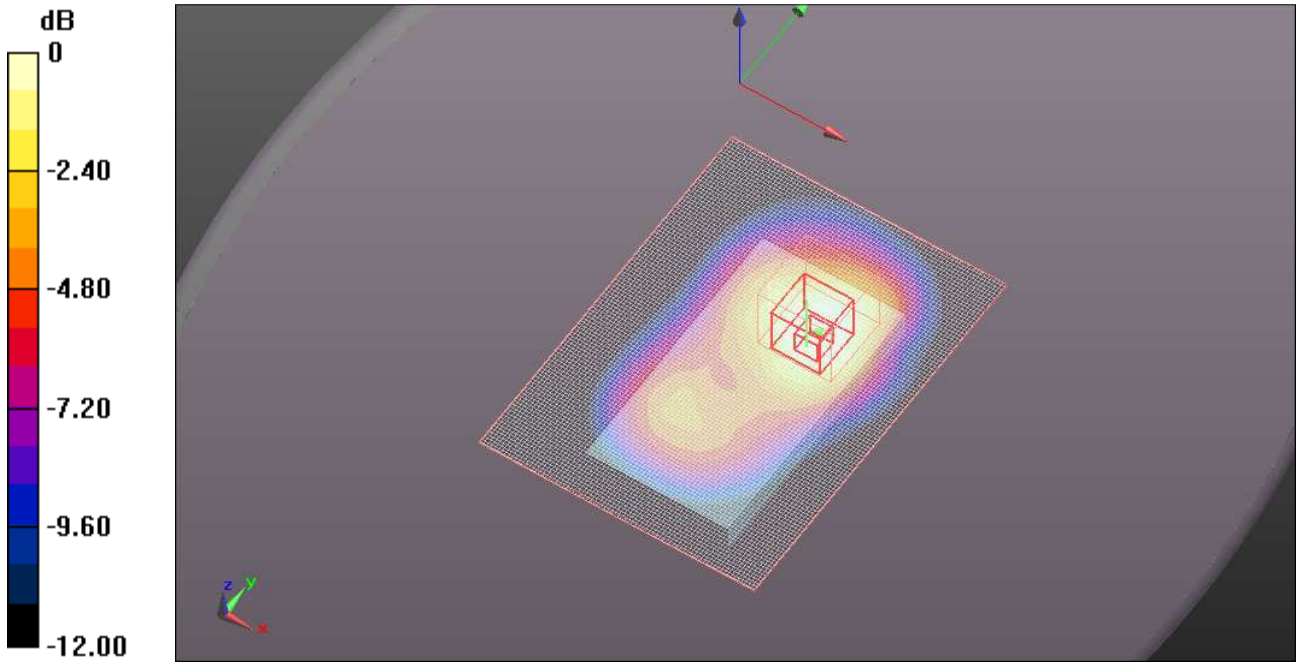
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Rear/16QAM_5MHz_RB12_RB6_M-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.425 mW/g

Rear/16QAM_5MHz_RB12_RB6_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.822 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.543 W/kg
SAR(1 g) = 0.320 mW/g; SAR(10 g) = 0.191 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.402 mW/g



0 dB = 0.400mW/g

Date: 11/11/2011

Test Laboratory: UL CCS SAR Lab A

LTE Band 25_Body

Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.504 mho/m; ε_r = 52.722; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

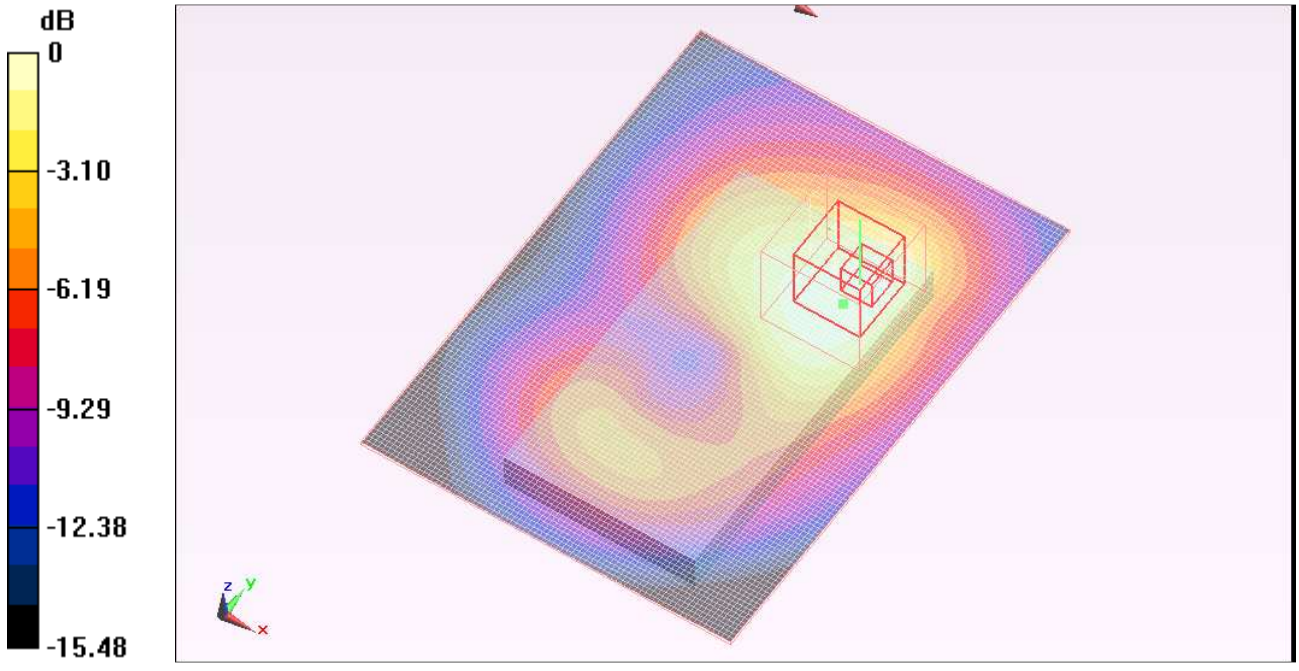
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.55, 7.55, 7.55); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Rear/QPSK_5MHz_RB1_RB0_H-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.453 mW/g

Rear/QPSK_5MHz_RB1_RB0_H-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.803 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.598 W/kg
SAR(1 g) = 0.353 mW/g; SAR(10 g) = 0.210 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.456 mW/g



0 dB = 0.460mW/g

Date: 11/11/2011

Test Laboratory: UL CCS SAR Lab A

LTE Band 25_Body

Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.504 mho/m; ε_r = 52.722; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

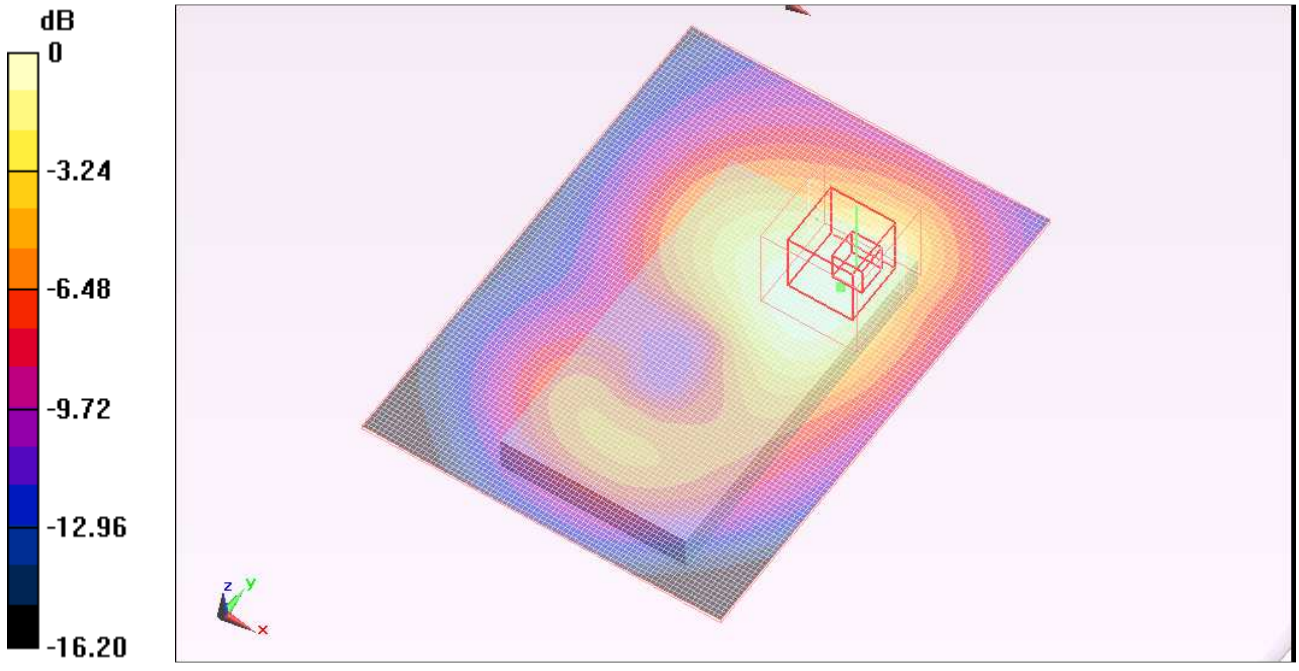
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.55, 7.55, 7.55); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Rear/QPSK_5MHz_RB1_RB24_H-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.444 mW/g

Rear/QPSK_5MHz_RB1_RB24_H-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.435 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.565 W/kg
SAR(1 g) = 0.336 mW/g; SAR(10 g) = 0.197 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.438 mW/g



0 dB = 0.440mW/g

Date: 11/11/2011

Test Laboratory: UL CCS SAR Lab A

LTE Band 25_Body

Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.504 mho/m; ε_r = 52.722; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

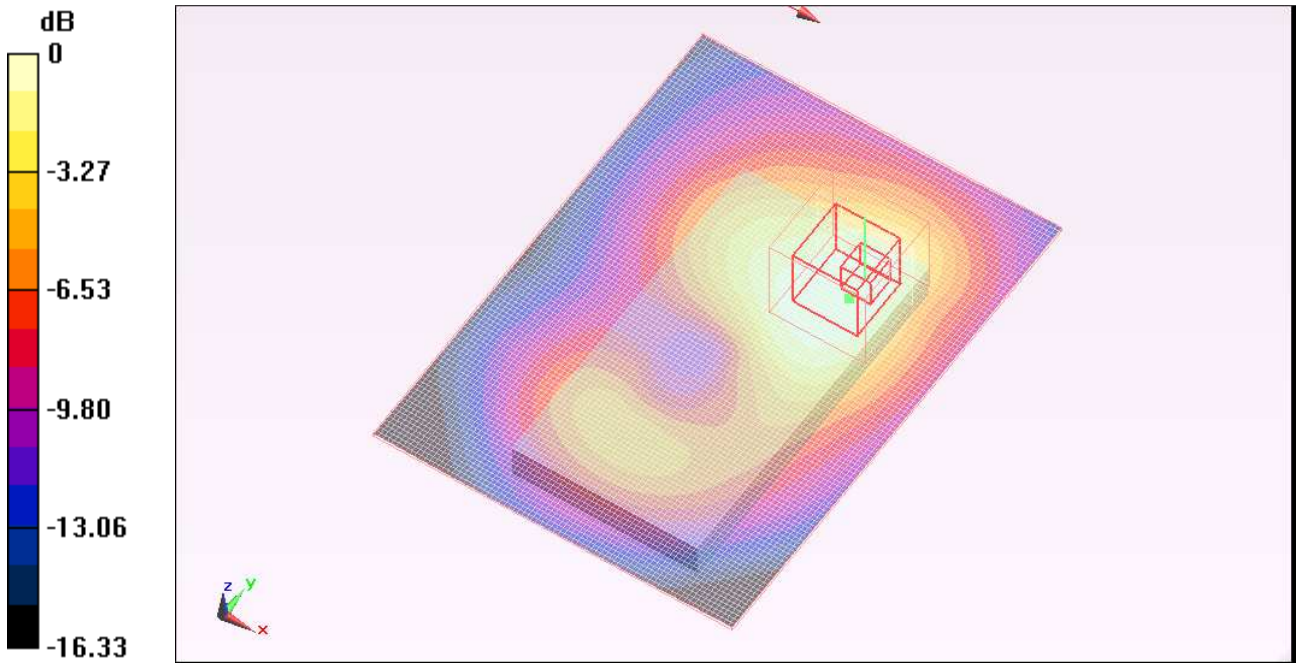
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.55, 7.55, 7.55); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Rear/16QAM_5MHz_RB1_RB0_H-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.382 mW/g

Rear/16QAM_5MHz_RB1_RB0_H-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.097 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.484 W/kg
SAR(1 g) = 0.284 mW/g; SAR(10 g) = 0.169 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.371 mW/g



0 dB = 0.370mW/g

Date: 11/11/2011

Test Laboratory: UL CCS SAR Lab A

LTE Band 25_Body

Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.504 mho/m; ε_r = 52.722; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

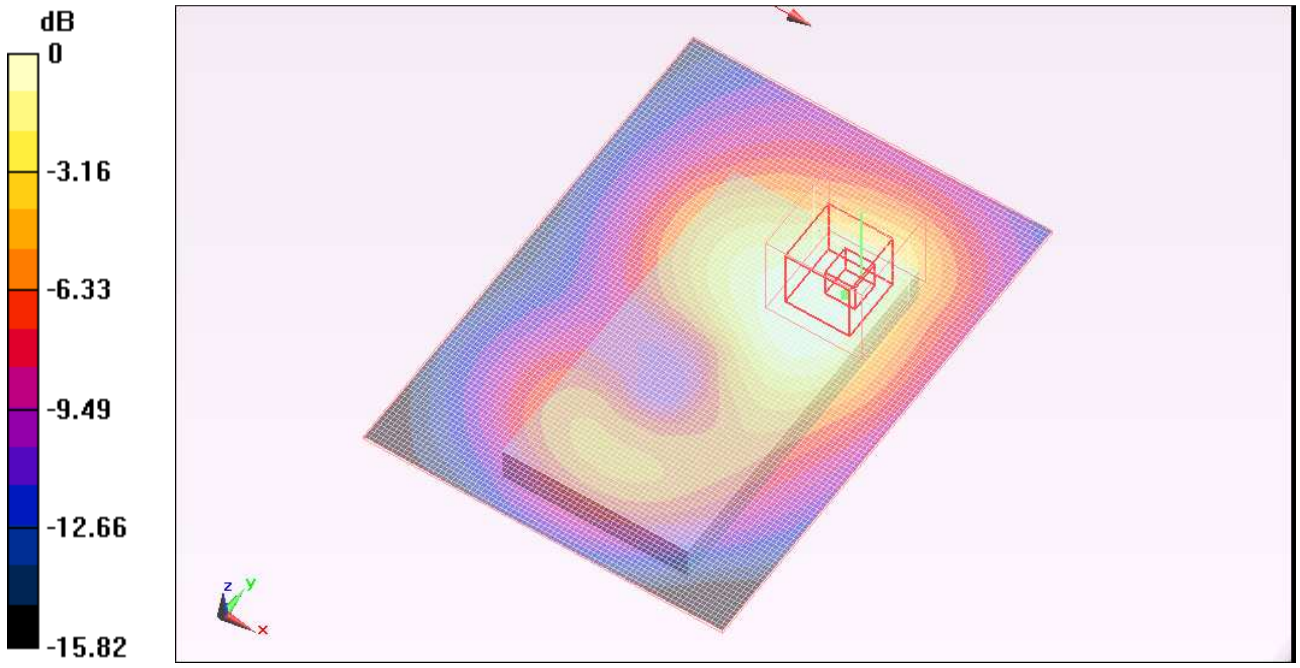
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.55, 7.55, 7.55); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Rear/16QAM_5MHz_RB1_RB24_H-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.497 mW/g

Rear/16QAM_5MHz_RB1_RB24_H-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.711 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.615 W/kg
SAR(1 g) = 0.364 mW/g; SAR(10 g) = 0.212 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.464 mW/g



0 dB = 0.460mW/g

Date: 11/12/2011

Test Laboratory: UL CCS SAR Lab A

LTE Band 25_Body

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.469 mho/m; ε_r = 52.824; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

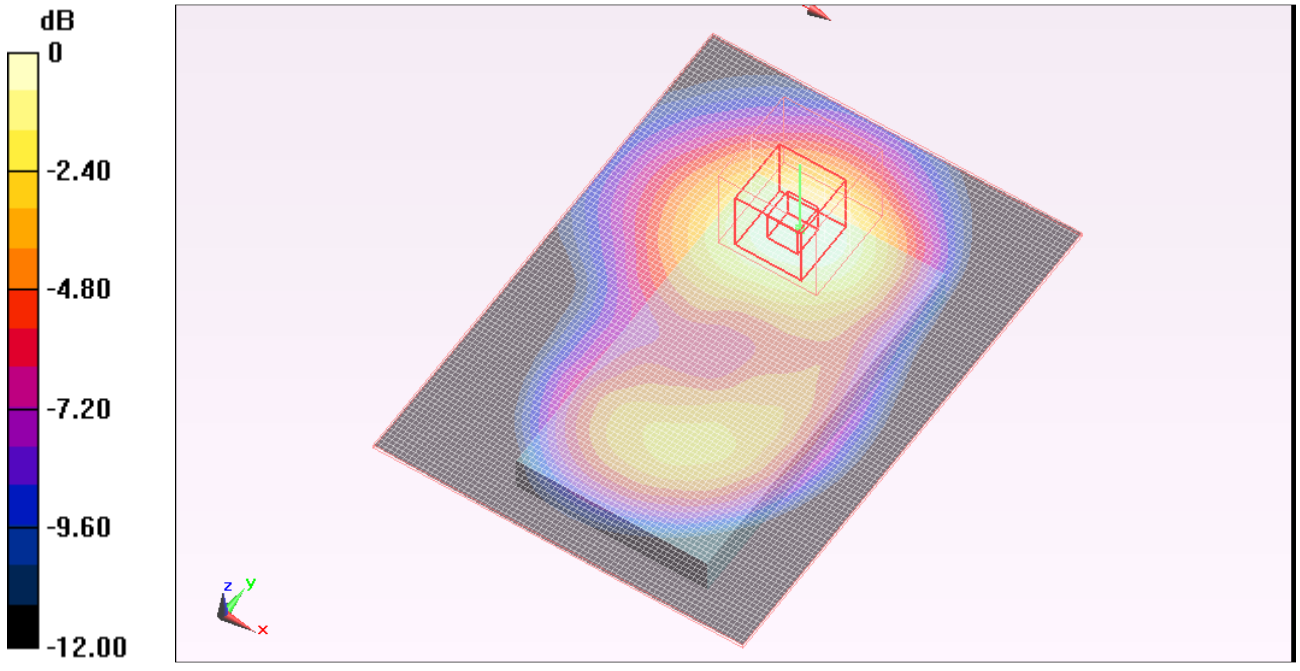
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Front/QPSK_5MHz_RB1_RB0_M-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.364 mW/g

Front/QPSK_5MHz_RB1_RB0_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.304 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.455 W/kg
SAR(1 g) = 0.290 mW/g; SAR(10 g) = 0.180 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.359 mW/g



0 dB = 0.360mW/g

Date: 11/7/2011, Date: 11/8/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Body

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.466 mho/m; ε_r = 52.356; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

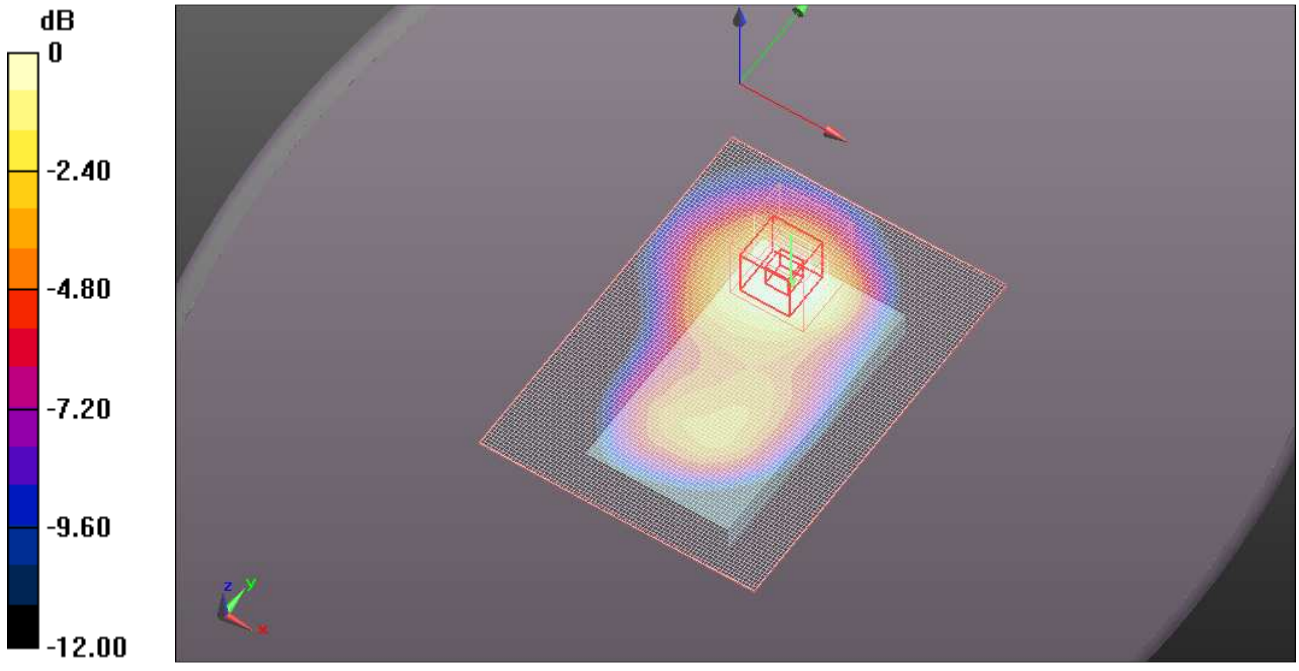
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Front/QPSK_5MHz_RB1_RB24_M-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.432 mW/g

Front/QPSK_5MHz_RB1_RB24_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.718 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.514 W/kg
SAR(1 g) = 0.330 mW/g; SAR(10 g) = 0.205 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.404 mW/g



0 dB = 0.400mW/g

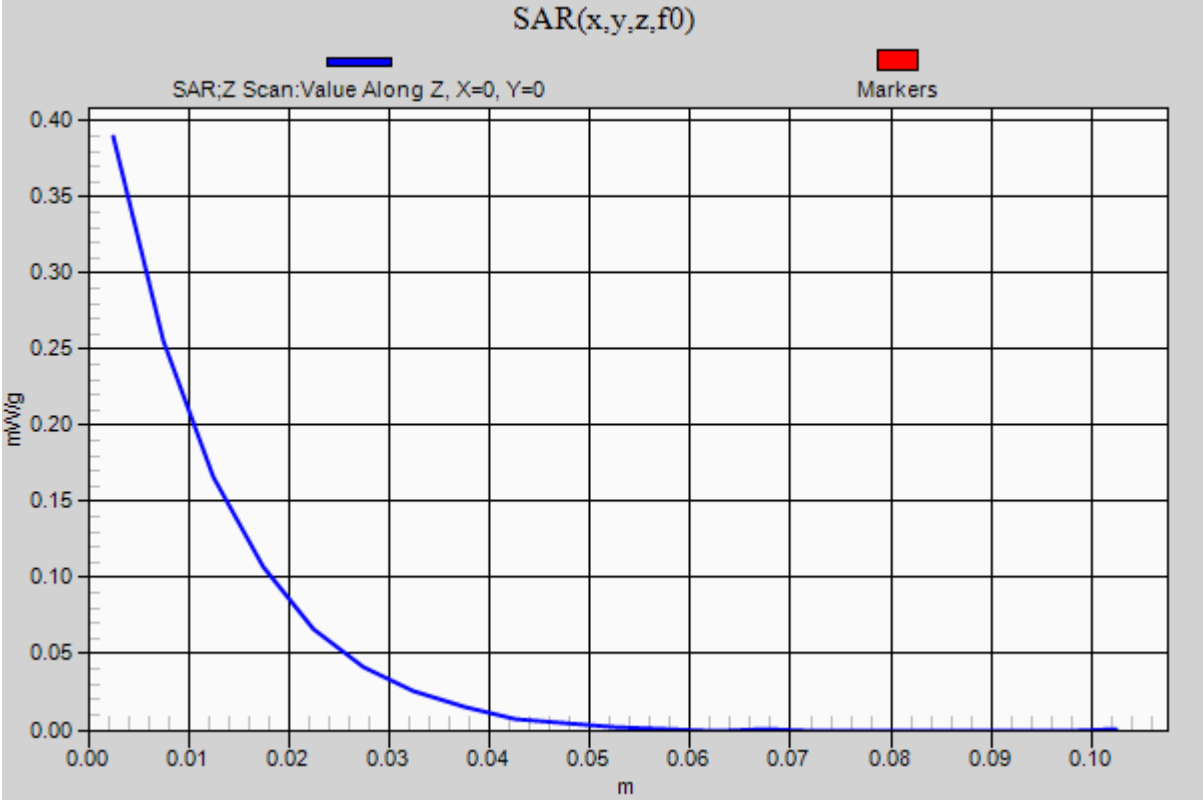
Date: 11/8/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Body

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Front/QPSK_5MHz_RB1_RB24_M-Ch/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.390 mW/g



Date: 11/7/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Body

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.466 mho/m; ε_r = 52.356; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

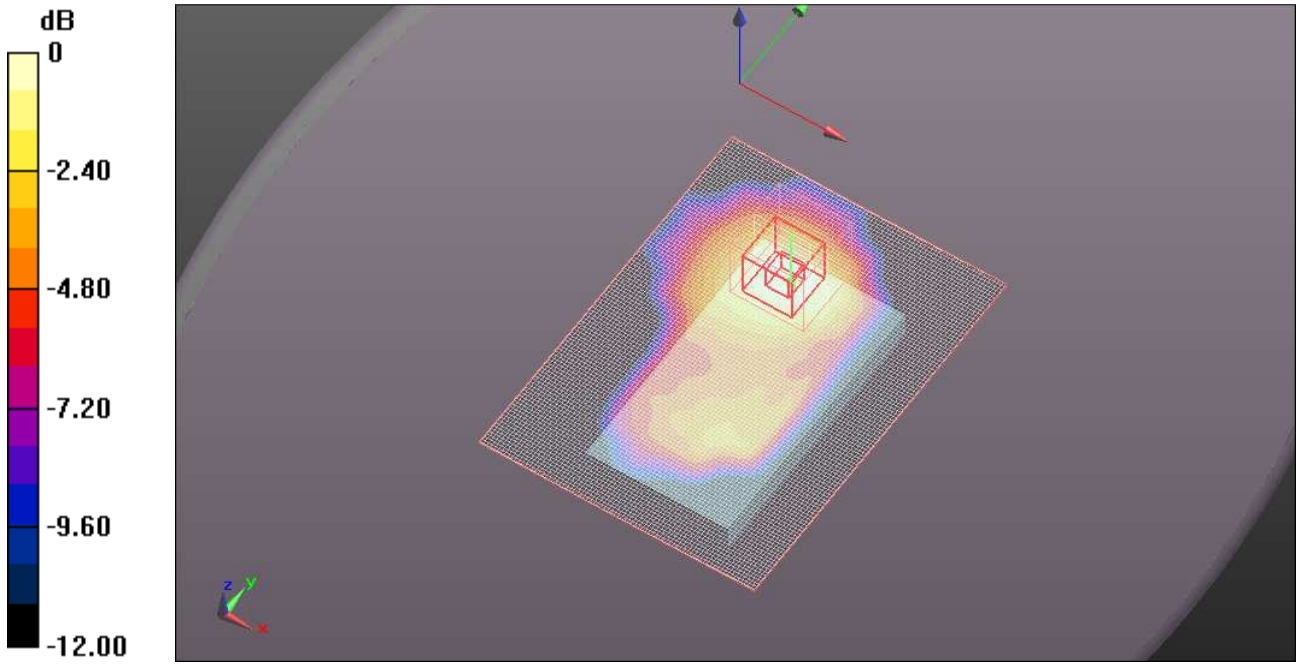
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Front/QPSK_5MHz_RB12_RB6_M-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

o: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.325 mW/g

Front/QPSK_5MHz_RB12_RB6_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.743 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.417 W/kg
SAR(1 g) = 0.263 mW/g; SAR(10 g) = 0.162 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.327 mW/g



0 dB = 0.330mW/g

Date: 11/12/2011

Test Laboratory: UL CCS SAR Lab A

LTE Band 25_Body

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.469 mho/m; ε_r = 52.824; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

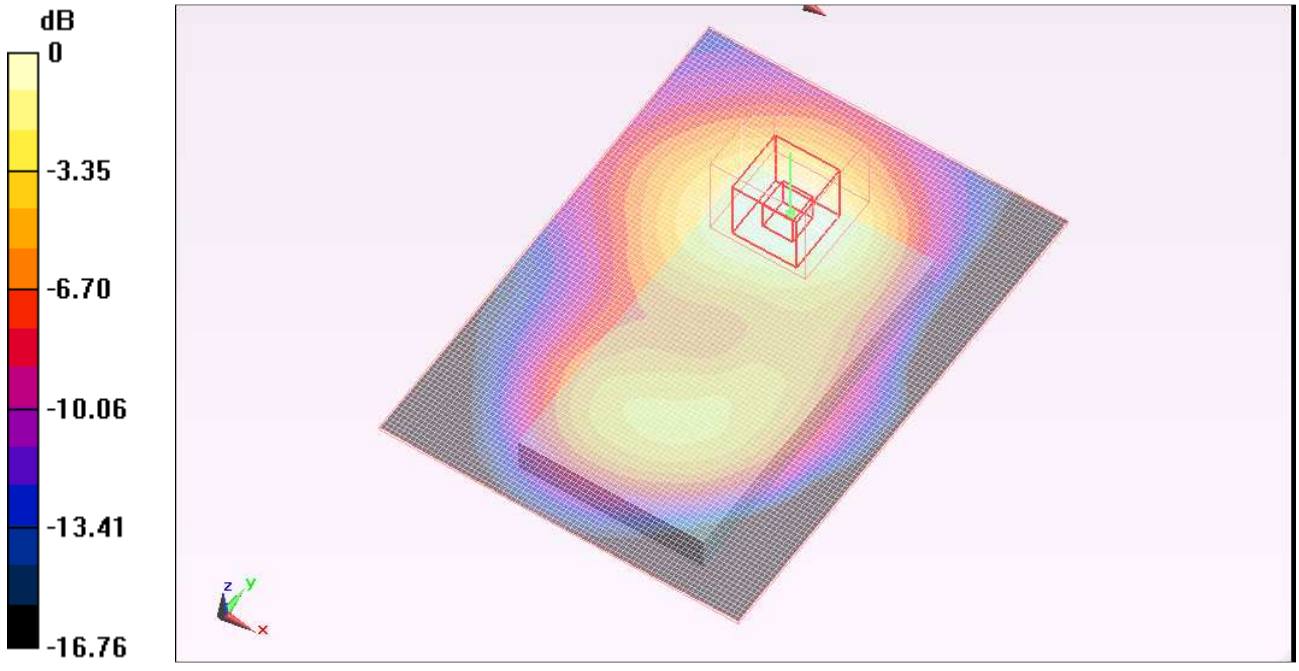
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Front/16QAM_5MHz_RB1_RB0_M-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.304 mW/g

Front/16QAM_5MHz_RB1_RB0_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.836 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.371 W/kg
SAR(1 g) = 0.238 mW/g; SAR(10 g) = 0.147 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.295 mW/g



0 dB = 0.300mW/g

Date: 11/7/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Body

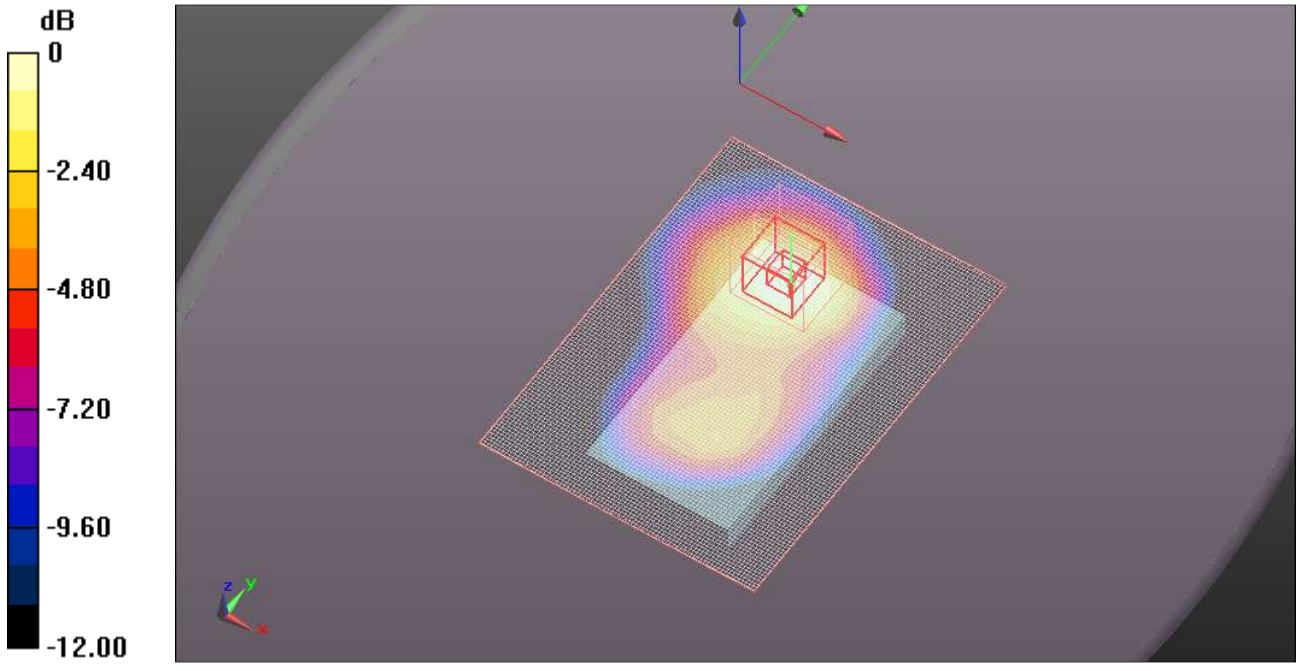
Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.466 mho/m; ε_r = 52.356; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Front/16QAM_5MHz_RB1_RB24_M-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm
o: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.323 mW/g

Front/16QAM_5MHz_RB1_RB24_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.441 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.421 W/kg
SAR(1 g) = 0.261 mW/g; SAR(10 g) = 0.162 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.325 mW/g



0 dB = 0.330mW/g

Date: 11/7/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Body

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.466 mho/m; ε_r = 52.356; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

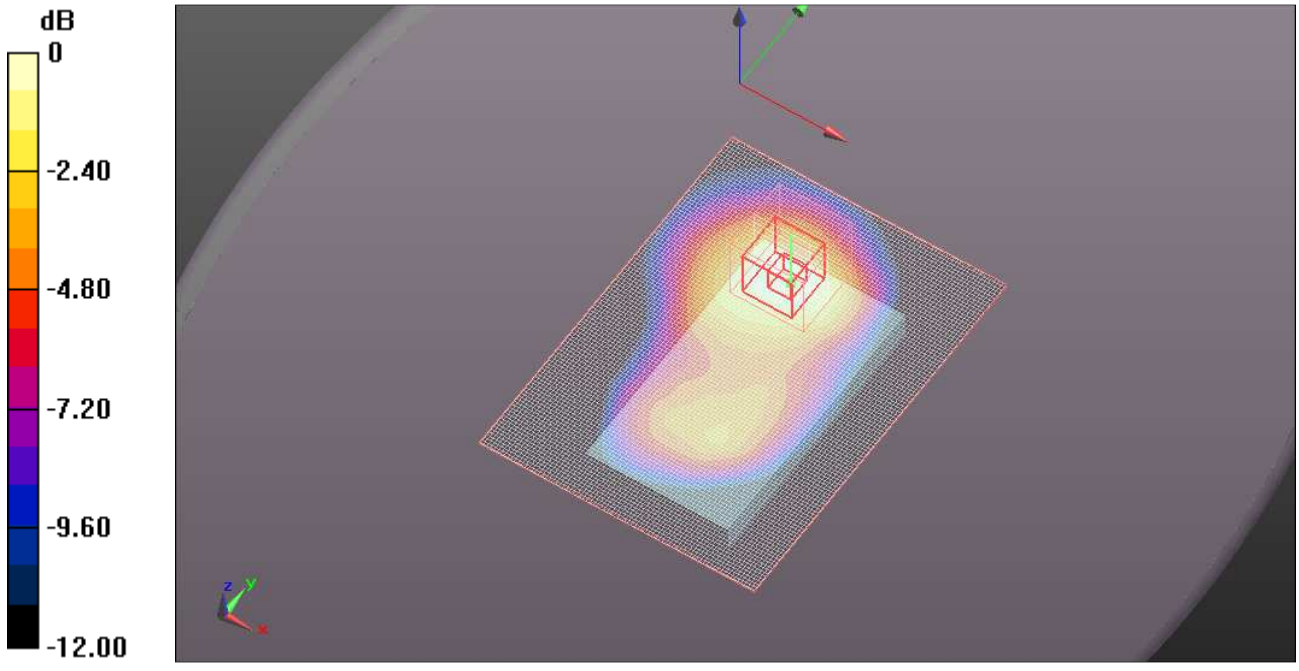
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Front/16QAM_5MHz_RB12_RB6_M-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.247 mW/g

Front/16QAM_5MHz_RB12_RB6_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.473 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.308 W/kg
SAR(1 g) = 0.196 mW/g; SAR(10 g) = 0.121 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.243 mW/g



0 dB = 0.240mW/g

Date: 11/11/2011

Test Laboratory: UL CCS SAR Lab A

LTE Band 25_Body

Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.504 mho/m; ε_r = 52.722; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

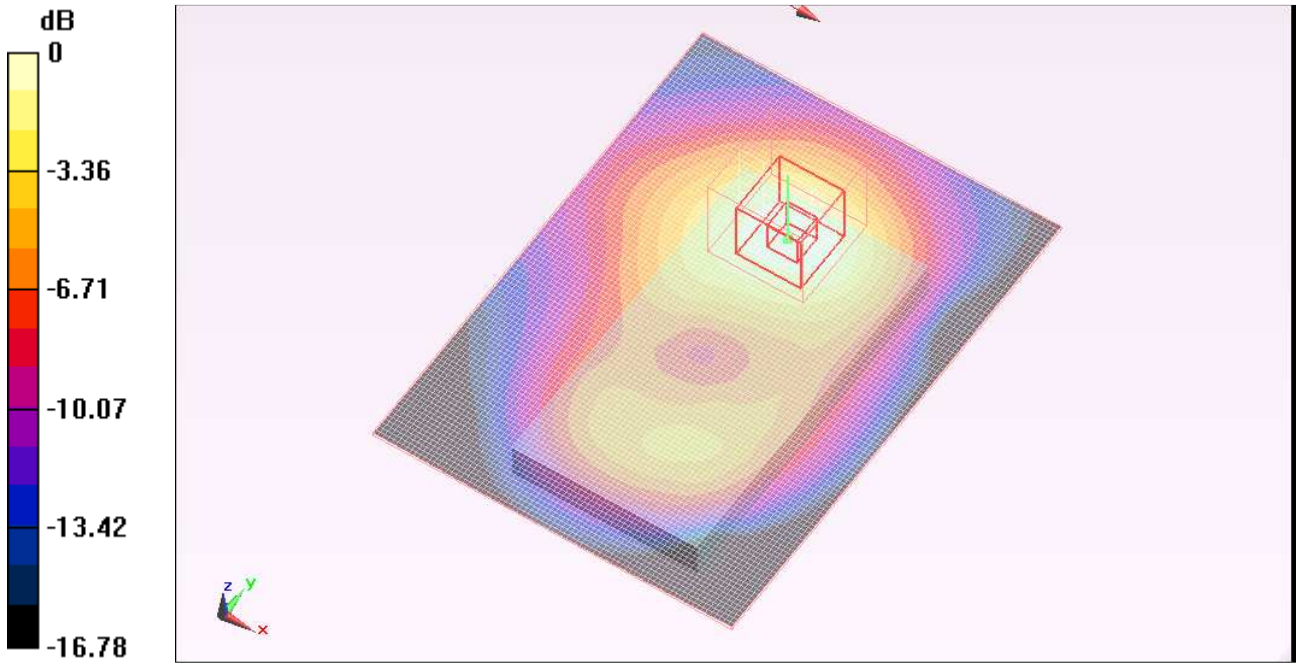
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.55, 7.55, 7.55); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Front/QPSK_5MHz_RB1_RB0_H-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.338 mW/g

Front/QPSK_5MHz_RB1_RB0_H-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.197 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.435 W/kg
SAR(1 g) = 0.275 mW/g; SAR(10 g) = 0.168 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.341 mW/g



0 dB = 0.340mW/g

Date: 11/11/2011

Test Laboratory: UL CCS SAR Lab A

LTE Band 25_Body

Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.504 mho/m; ε_r = 52.722; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

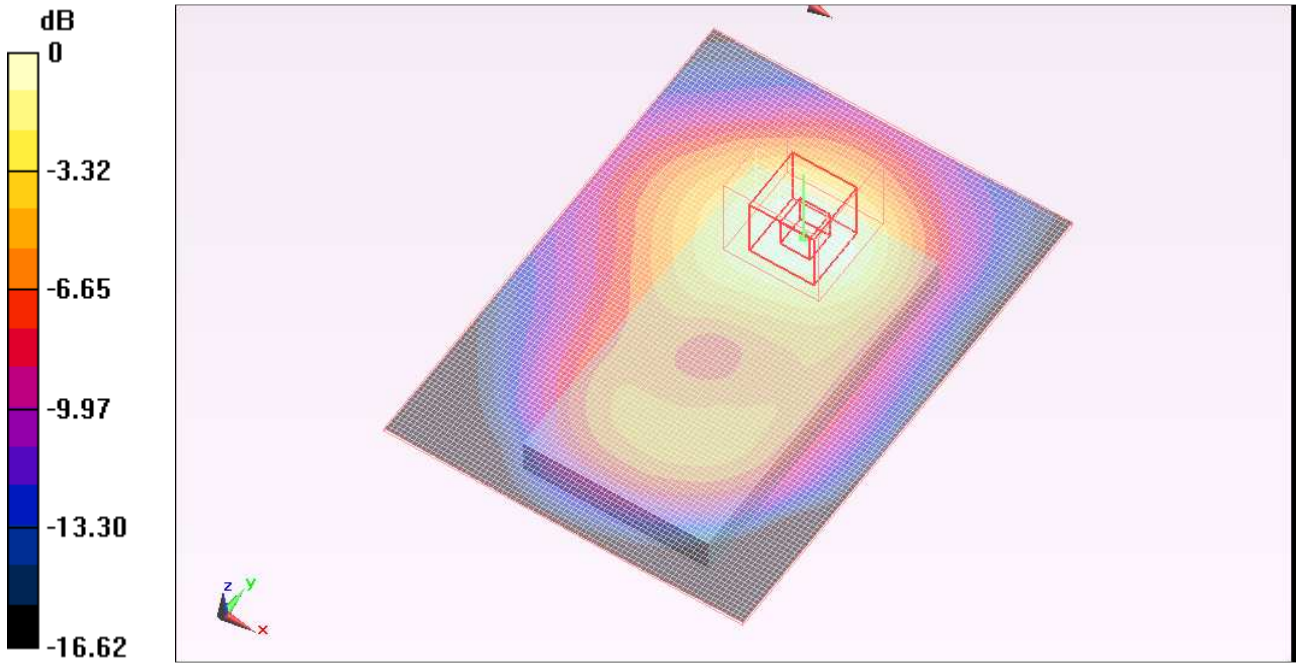
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.55, 7.55, 7.55); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Front/QPSK_5MHz_RB1_RB24_H-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.325 mW/g

Front/QPSK_5MHz_RB1_RB24_H-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.826 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.403 W/kg
SAR(1 g) = 0.257 mW/g; SAR(10 g) = 0.156 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.319 mW/g



0 dB = 0.320mW/g

Date: 11/11/2011

Test Laboratory: UL CCS SAR Lab A

LTE Band 25_Body

Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.504 mho/m; ε_r = 52.722; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

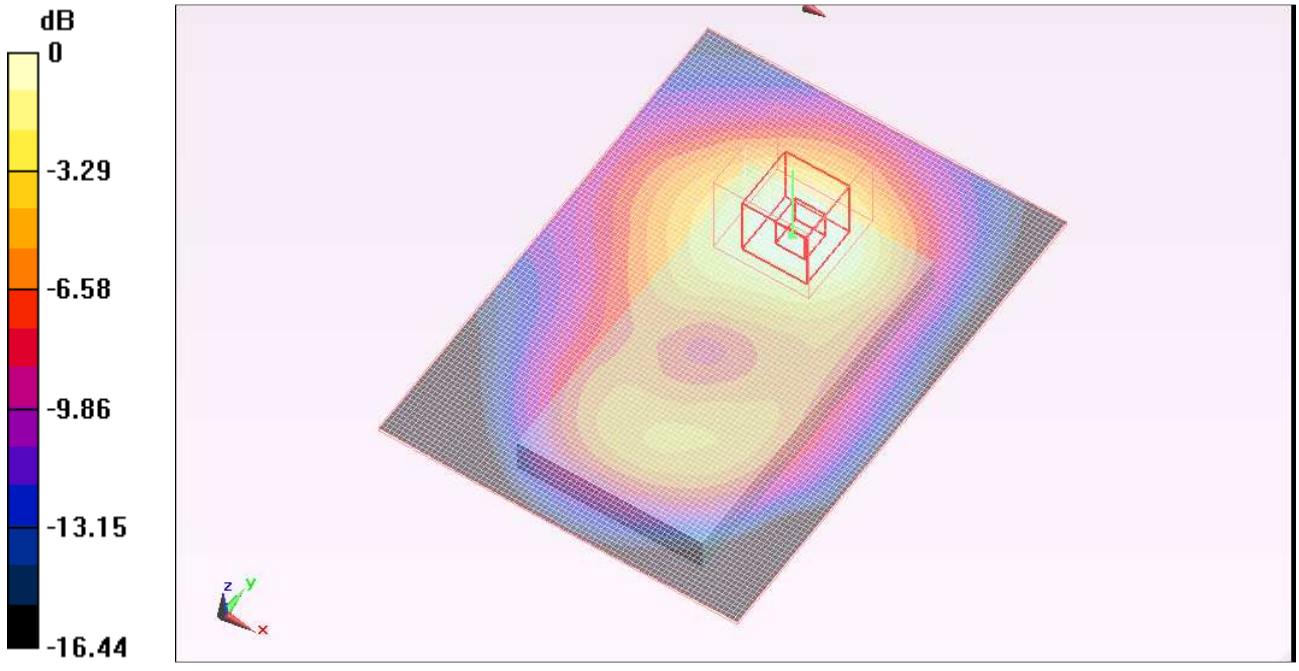
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.55, 7.55, 7.55); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Front/16QAM_5MHz_RB1_RB0_H-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.274 mW/g

Front/16QAM_5MHz_RB1_RB0_H-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.702 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.358 W/kg
SAR(1 g) = 0.224 mW/g; SAR(10 g) = 0.137 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.276 mW/g



0 dB = 0.280mW/g

Date: 11/11/2011, Date: 11/12/2011

Test Laboratory: UL CCS SAR Lab A

LTE Band 25_Body

Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.504 mho/m; ε_r = 52.722; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

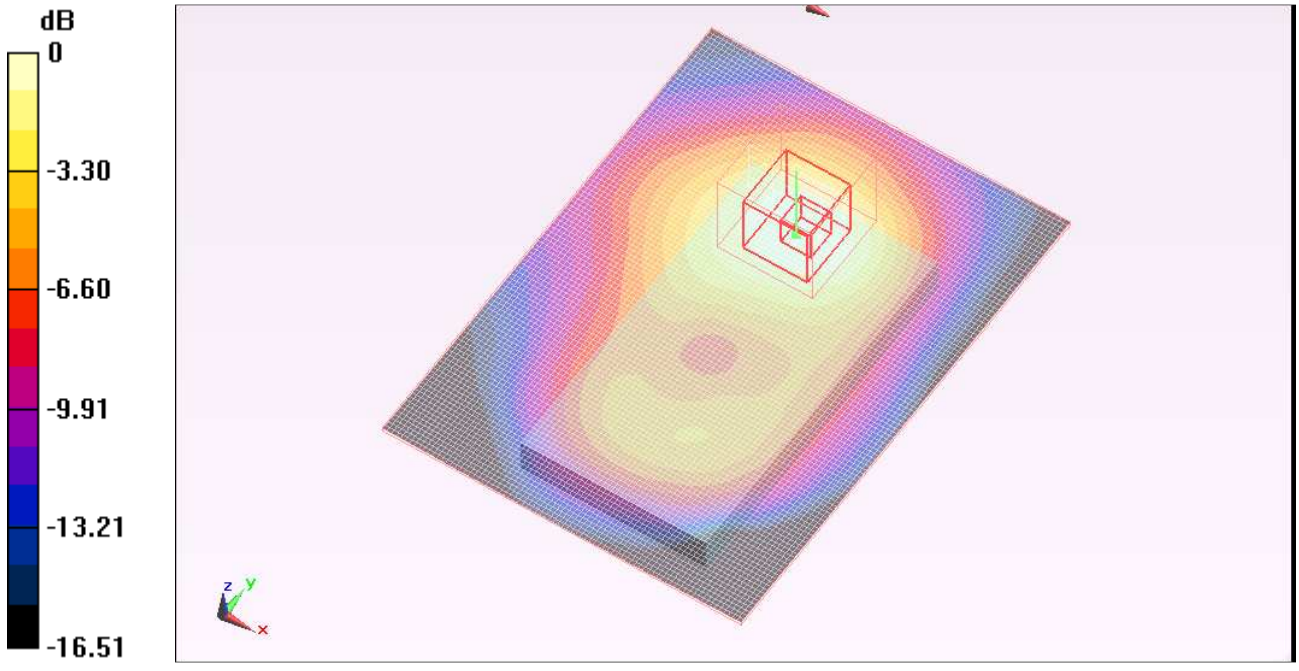
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.55, 7.55, 7.55); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Front/16QAM_5MHz_RB1_RB24_H-Ch/Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.307 mW/g

Front/16QAM_5MHz_RB1_RB24_H-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.255 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.368 W/kg
SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.144 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.286 mW/g



0 dB = 0.290mW/g

Date: 11/12/2011

Test Laboratory: UL CCS SAR Lab B

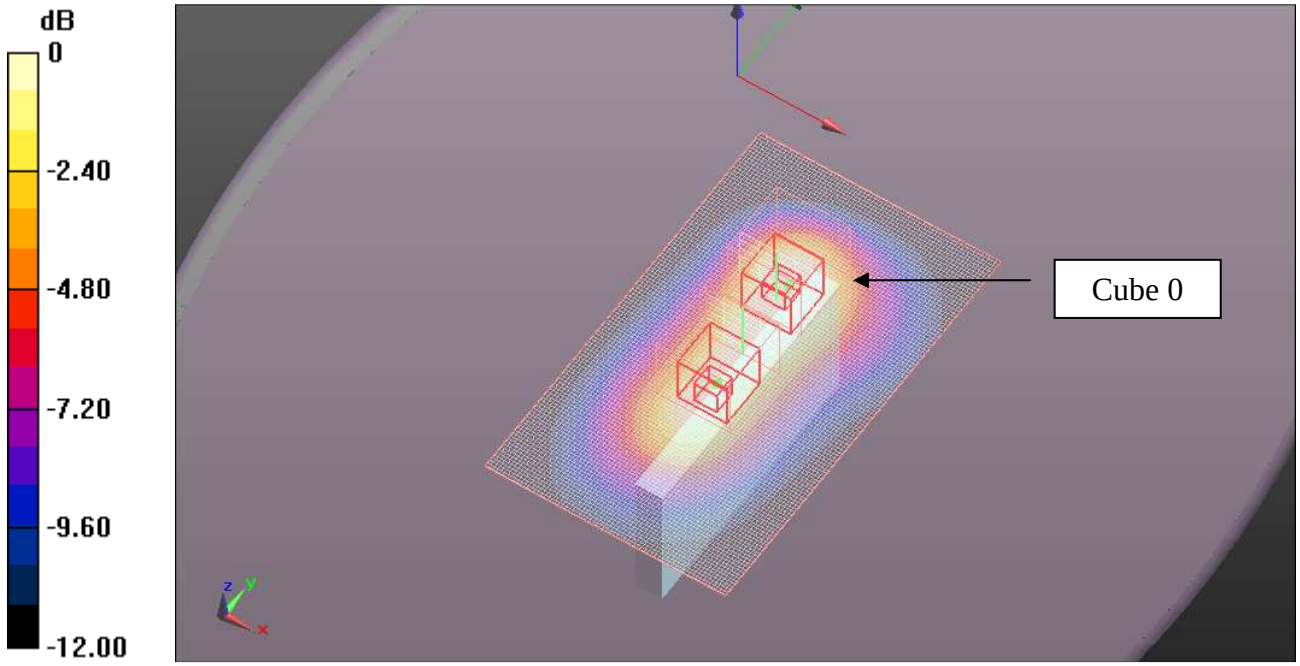
LTE Band 25_Body

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.465 mho/m; ε_r = 51.929; ρ = 1000 kg/m^3
Phantom section: Flat Section
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Left/QPSK_5MHz_RB1_RB0_M-Ch/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.418 mW/g

Left/QPSK_5MHz_RB1_RB0_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.062 V/m; Power Drift = -0.0034 dB
Peak SAR (extrapolated) = 0.504 W/kg
SAR(1 g) = 0.298 mW/g; SAR(10 g) = 0.174 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.375 mW/g

Left/QPSK_5MHz_RB1_RB0_M-Ch/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.062 V/m; Power Drift = -0.0034 dB
Peak SAR (extrapolated) = 0.351 W/kg
SAR(1 g) = 0.216 mW/g; SAR(10 g) = 0.132 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.273 mW/g



0 dB = 0.270mW/g

Date: 11/8/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Body

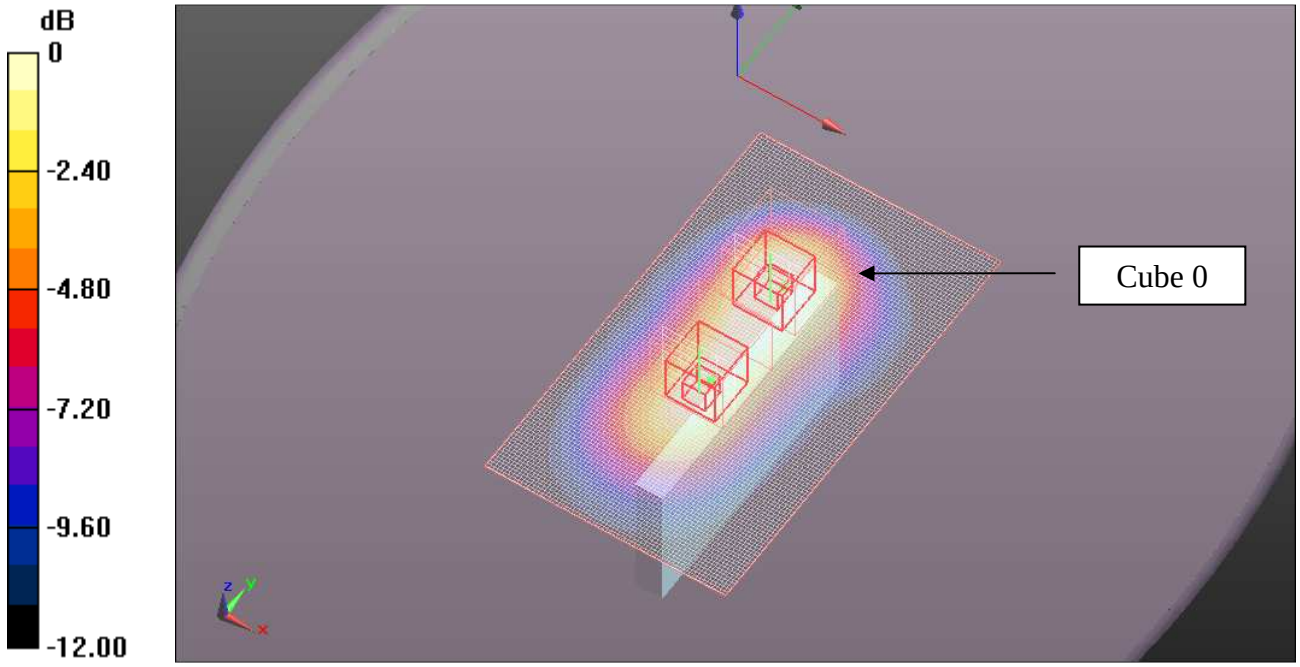
Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.466 mho/m; ε_r = 52.356; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Left/QPSK_5MHz_RB1_RB24_M-Ch/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.421 mW/g

Left/QPSK_5MHz_RB1_RB24_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.587 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.536 W/kg
SAR(1 g) = 0.320 mW/g; SAR(10 g) = 0.185 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.404 mW/g

Left/QPSK_5MHz_RB1_RB24_M-Ch/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.587 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.365 W/kg
SAR(1 g) = 0.227 mW/g; SAR(10 g) = 0.138 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.285 mW/g



0 dB = 0.290mW/g

Date: 11/8/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Body

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.466 mho/m; ε_r = 52.356; ρ = 1000 kg/m^3
Phantom section: Flat Section

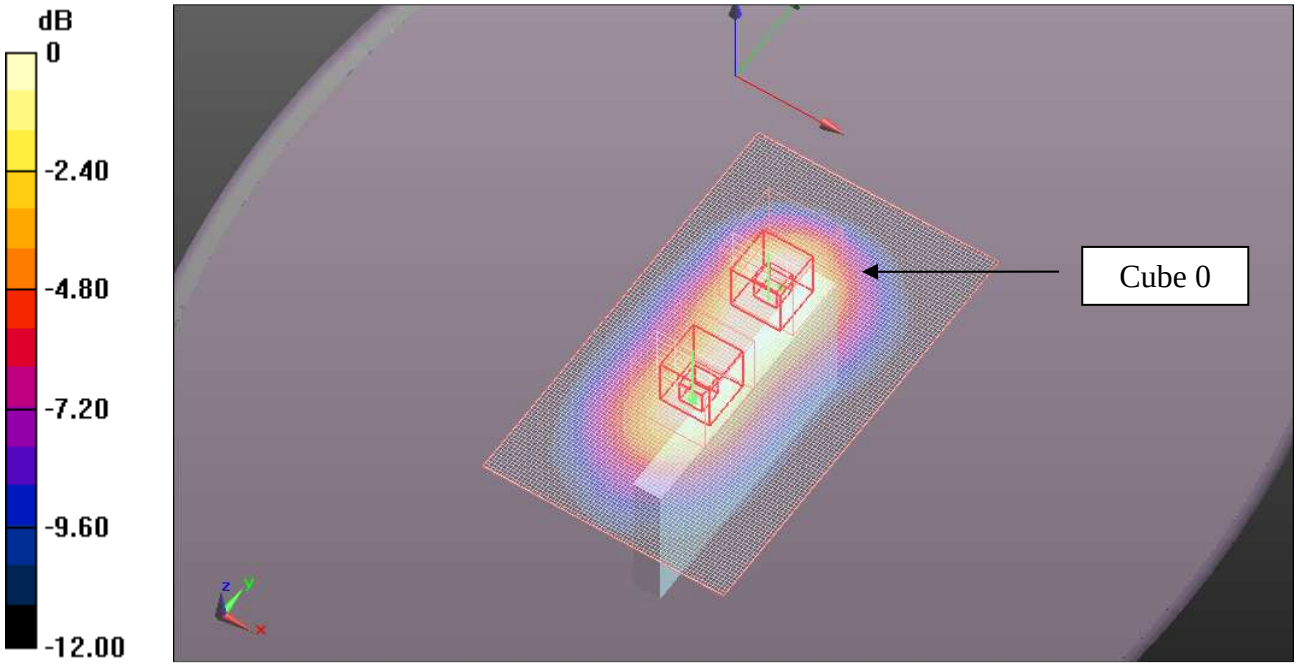
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Left/QPSK_5MHz_RB12_RB6_M-Ch/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm
fo: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.319 mW/g

Left/QPSK_5MHz_RB12_RB6_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.458 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.413 W/kg
SAR(1 g) = 0.243 mW/g; SAR(10 g) = 0.141 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.307 mW/g

Left/QPSK_5MHz_RB12_RB6_M-Ch/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.458 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.281 W/kg
SAR(1 g) = 0.177 mW/g; SAR(10 g) = 0.107 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.221 mW/g



0 dB = 0.220mW/g

Date: 11/12/2011

Test Laboratory: UL CCS SAR Lab B

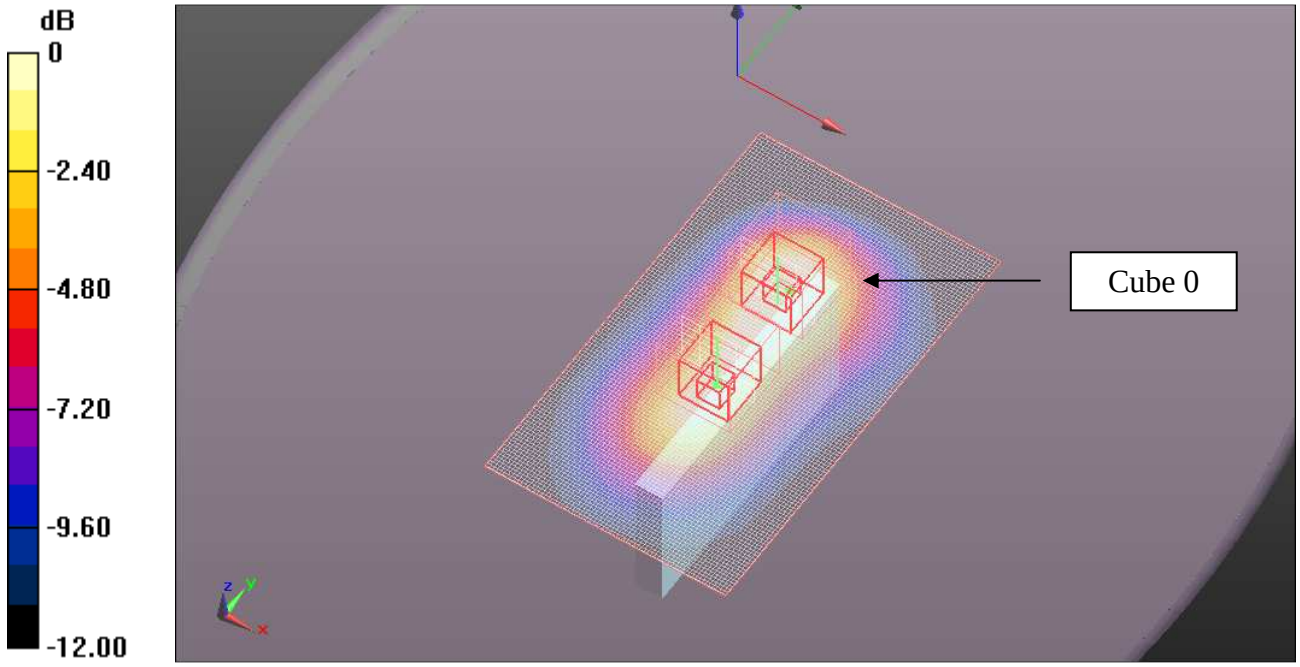
LTE Band 25_Body

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.465 mho/m; ε_r = 51.929; ρ = 1000 kg/m^3
Phantom section: Flat Section
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Left/16QAM_5MHz_RB1_RB0_M-Ch/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.338 mW/g

Left/16QAM_5MHz_RB1_RB0_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.508 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.412 W/kg
SAR(1 g) = 0.245 mW/g; SAR(10 g) = 0.142 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.307 mW/g

Left/16QAM_5MHz_RB1_RB0_M-Ch/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.508 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.287 W/kg
SAR(1 g) = 0.179 mW/g; SAR(10 g) = 0.109 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.224 mW/g



0 dB = 0.220mW/g

Date: 11/8/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Body

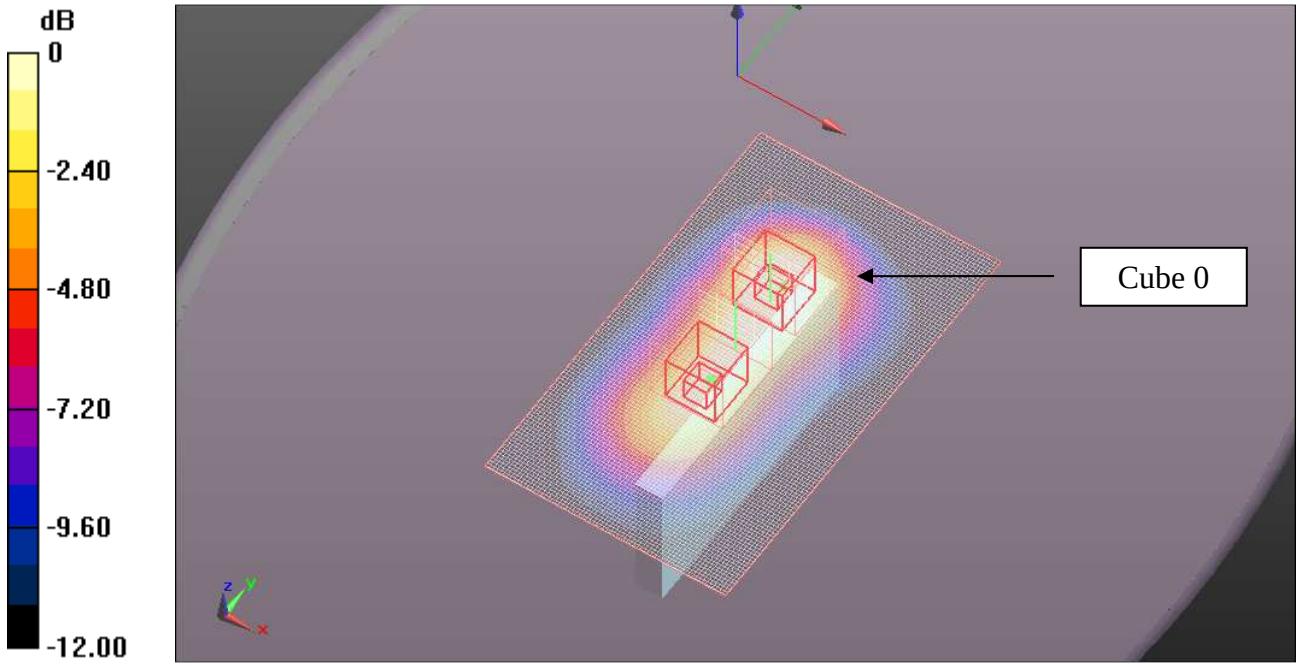
Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.466 mho/m; ε_r = 52.356; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Left/16QAM_5MHz_RB1_RB24_M-Ch/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.343 mW/g

Left/16QAM_5MHz_RB1_RB24_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.185 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.442 W/kg
SAR(1 g) = 0.262 mW/g; SAR(10 g) = 0.151 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.333 mW/g

Left/16QAM_5MHz_RB1_RB24_M-Ch/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.185 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.308 W/kg
SAR(1 g) = 0.186 mW/g; SAR(10 g) = 0.113 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.240 mW/g



0 dB = 0.240mW/g

Date: 11/8/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Body

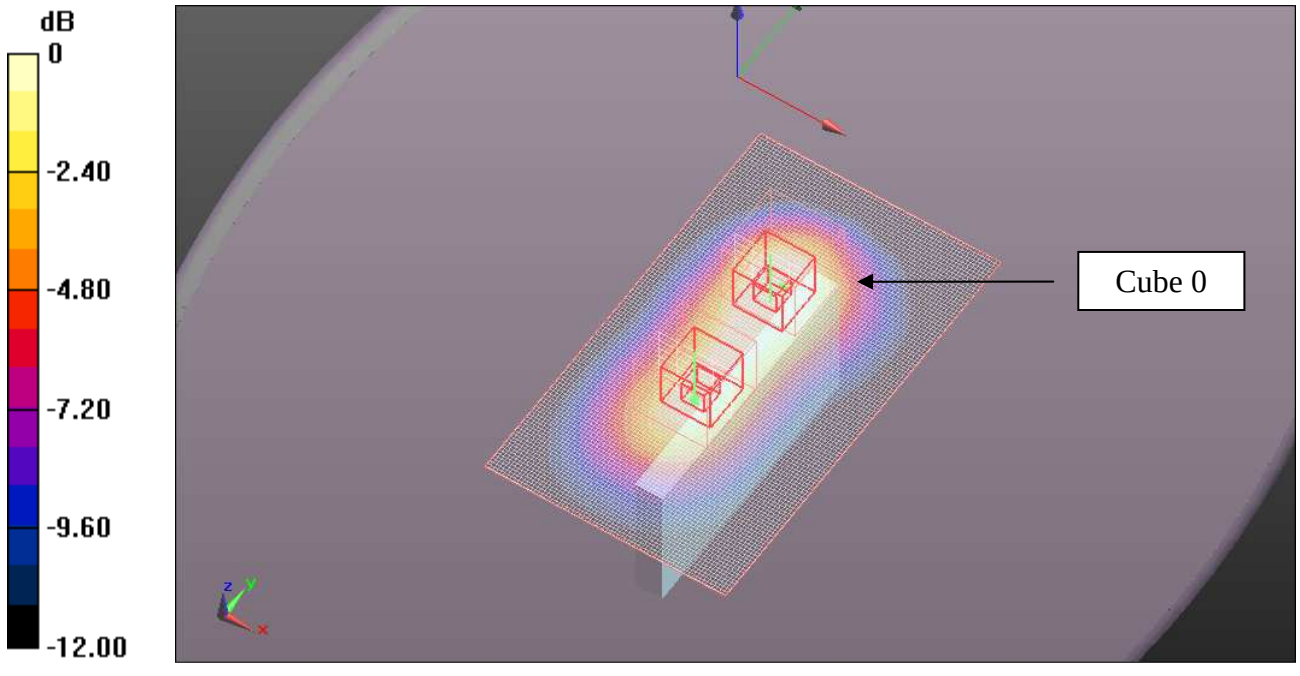
Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.466 mho/m; ε_r = 52.356; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Left/16QAM_5MHz_RB12_RB6_M-Ch/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.250 mW/g

Left/16QAM_5MHz_RB12_RB6_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.957 V/m; Power Drift = 0.0055 dB
Peak SAR (extrapolated) = 0.318 W/kg
SAR(1 g) = 0.192 mW/g; SAR(10 g) = 0.112 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.244 mW/g

Left/16QAM_5MHz_RB12_RB6_M-Ch/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.957 V/m; Power Drift = 0.0055 dB
Peak SAR (extrapolated) = 0.216 W/kg
SAR(1 g) = 0.137 mW/g; SAR(10 g) = 0.084 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.172 mW/g



0 dB = 0.170mW/g

Date: 11/12/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Body

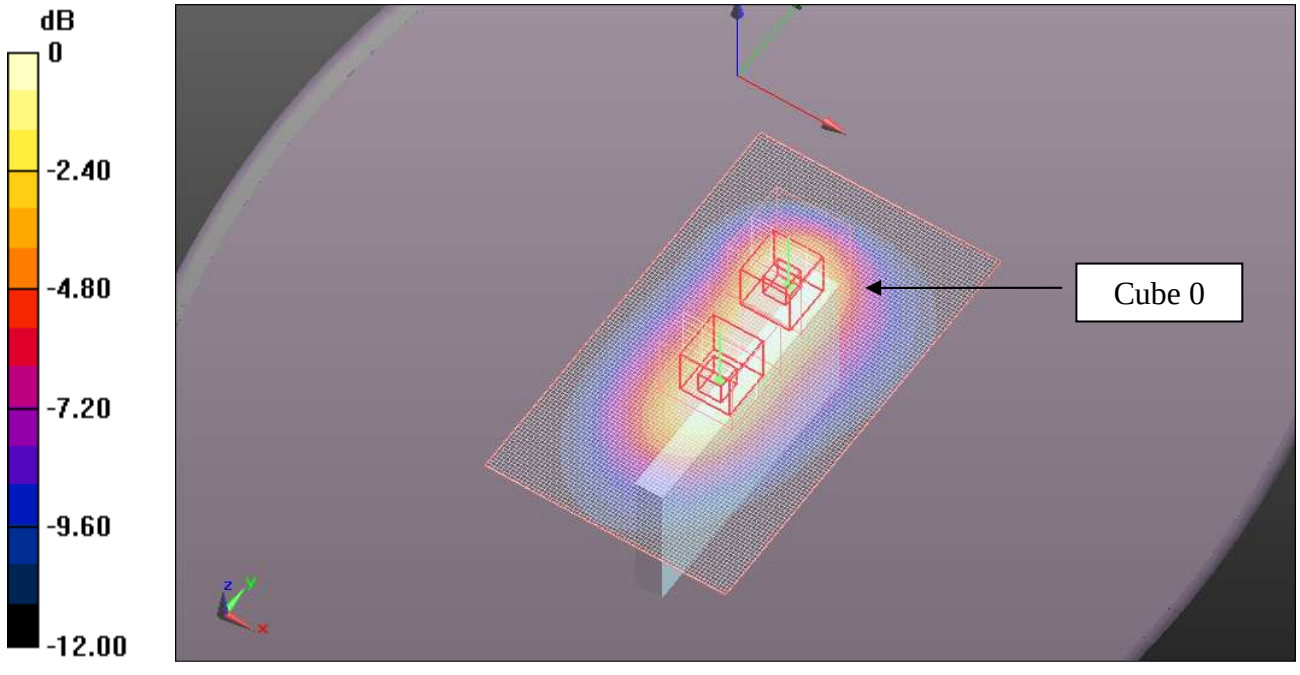
Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.499 mho/m; ε_r = 51.847; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.55, 7.55, 7.55); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Left/QPSK_5MHz_RB1_RB0_H-Ch/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.465 mW/g

Left/QPSK_5MHz_RB1_RB0_H-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.794 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.563 W/kg
SAR(1 g) = 0.331 mW/g; SAR(10 g) = 0.189 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.421 mW/g

Left/QPSK_5MHz_RB1_RB0_H-Ch/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.794 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.423 W/kg
SAR(1 g) = 0.264 mW/g; SAR(10 g) = 0.159 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.335 mW/g



0 dB = 0.330mW/g

Date: 11/12/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Body

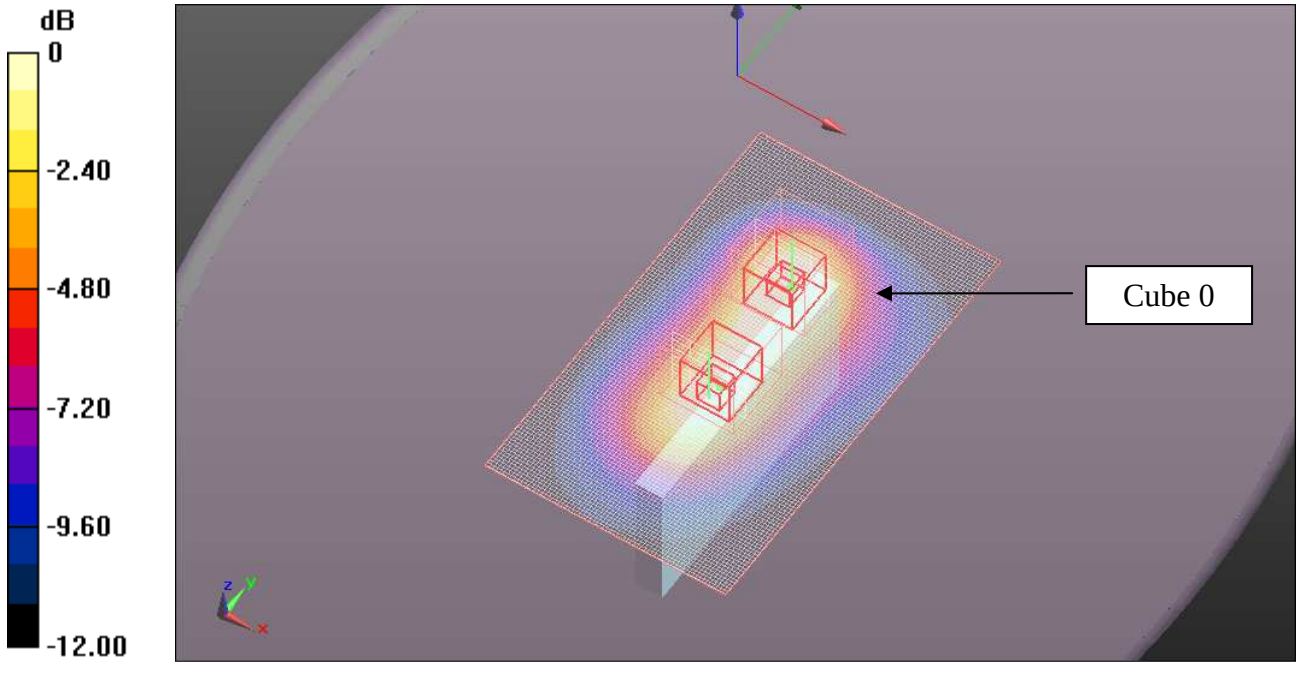
Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.499 mho/m; ε_r = 51.847; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.55, 7.55, 7.55); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Left/QPSK_5MHz_RB1_RB24_H-Ch/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.512 mW/g

Left/QPSK_5MHz_RB1_RB24_H-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.238 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.607 W/kg
SAR(1 g) = 0.354 mW/g; SAR(10 g) = 0.200 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.448 mW/g

Left/QPSK_5MHz_RB1_RB24_H-Ch/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.238 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.410 W/kg
SAR(1 g) = 0.253 mW/g; SAR(10 g) = 0.154 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.318 mW/g



0 dB = 0.320mW/g

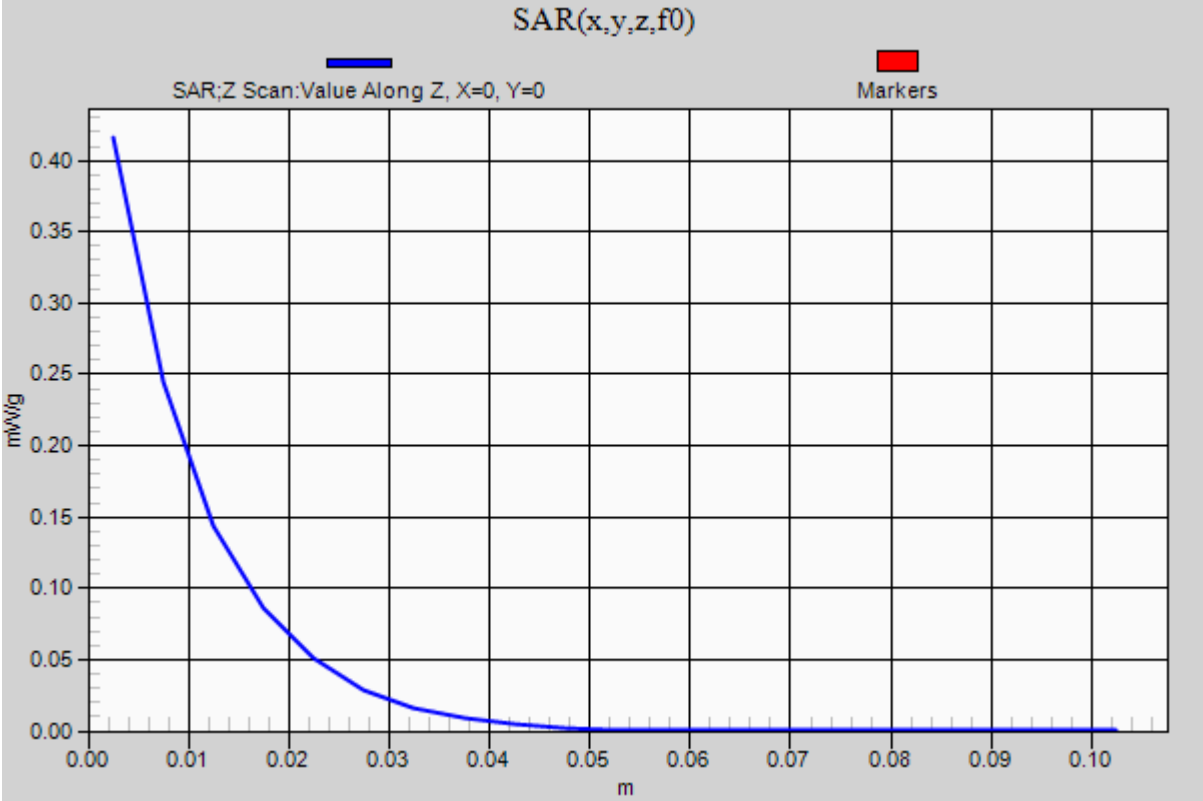
Date: 11/12/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Body

Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1

Left/QPSK_5MHz_RB1_RB24_H-Ch/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.416 mW/g



Date: 11/12/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Body

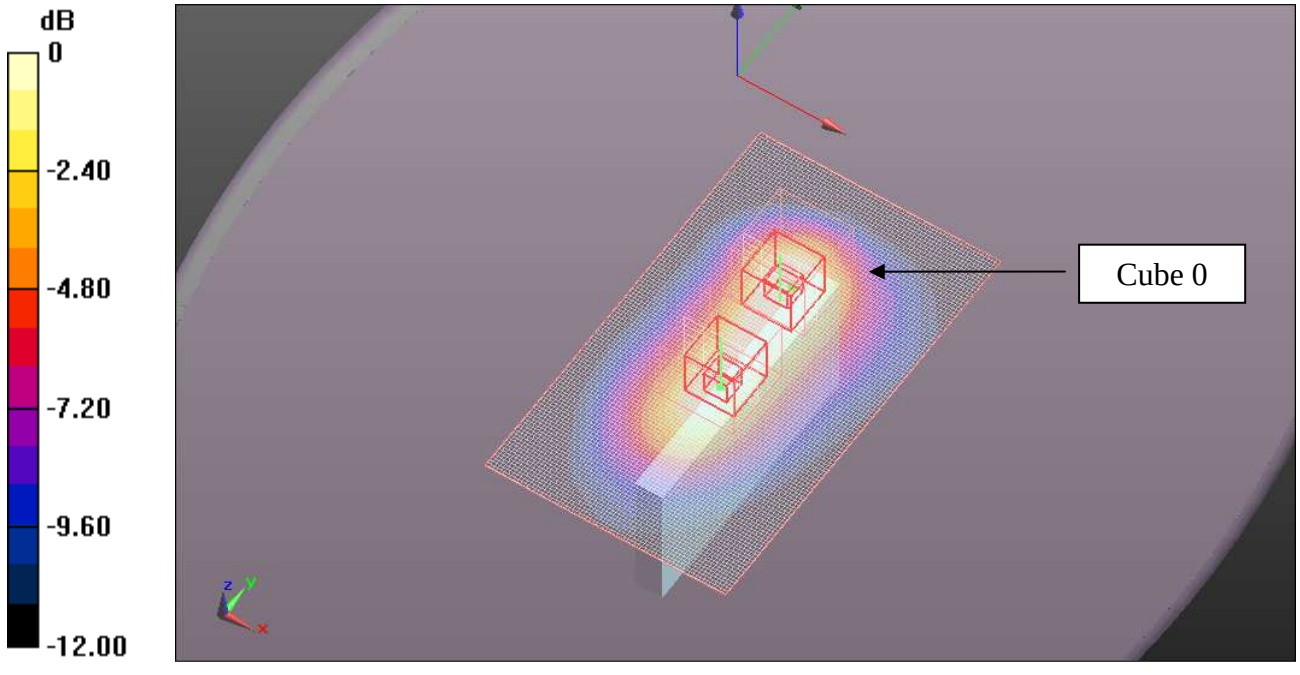
Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.499 mho/m; ε_r = 51.847; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.55, 7.55, 7.55); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Left/16QAM_5MHz_RB1_RB0_H-Ch/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.389 mW/g

Left/16QAM_5MHz_RB1_RB0_H-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.165 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.468 W/kg
SAR(1 g) = 0.277 mW/g; SAR(10 g) = 0.157 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.346 mW/g

Left/16QAM_5MHz_RB1_RB0_H-Ch/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.165 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.344 W/kg
SAR(1 g) = 0.214 mW/g; SAR(10 g) = 0.130 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.270 mW/g



0 dB = 0.270mW/g

Date: 11/12/2011

Test Laboratory: UL CCS SAR Lab B

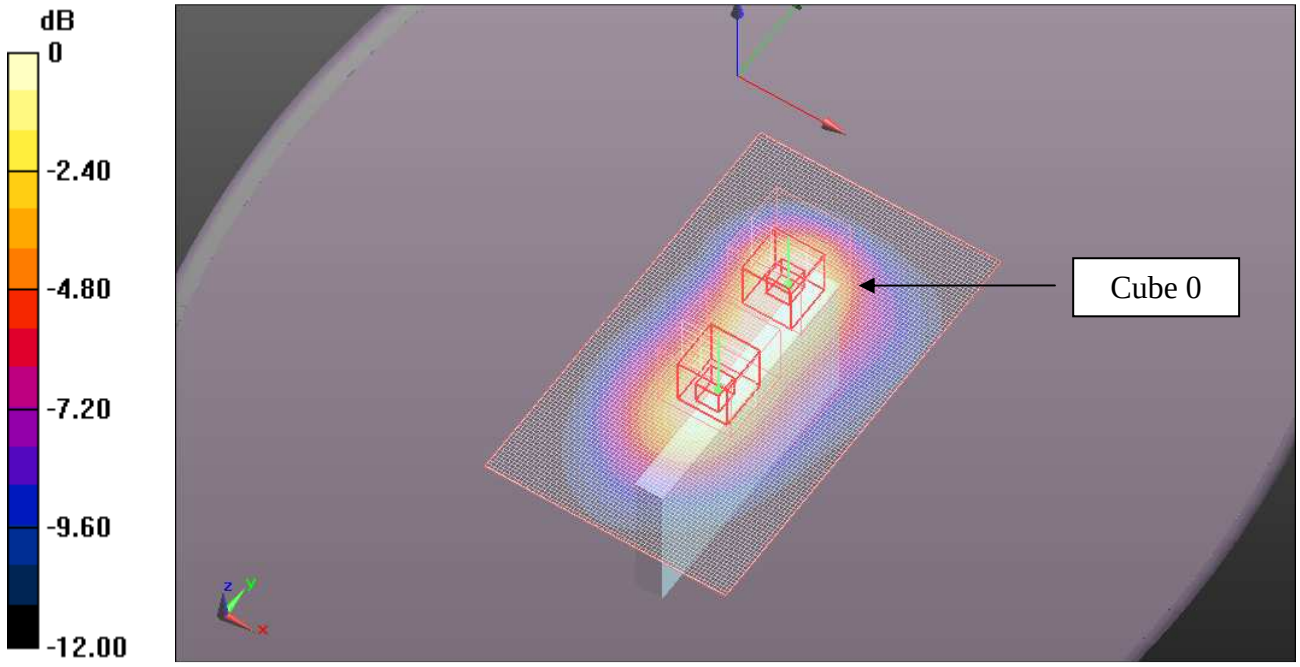
LTE Band 25_Body

Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.499 mho/m; ε_r = 51.847; ρ = 1000 kg/m^3
Phantom section: Flat Section
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.55, 7.55, 7.55); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Left/16QAM_5MHz_RB1_RB24_H-Ch/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.413 mW/g

Left/16QAM_5MHz_RB1_RB24_H-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.451 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.504 W/kg
SAR(1 g) = 0.295 mW/g; SAR(10 g) = 0.166 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.383 mW/g

Left/16QAM_5MHz_RB1_RB24_H-Ch/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.451 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.350 W/kg
SAR(1 g) = 0.218 mW/g; SAR(10 g) = 0.132 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.273 mW/g



0 dB = 0.270mW/g

Date: 11/12/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Body

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.465 mho/m; ε_r = 51.929; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

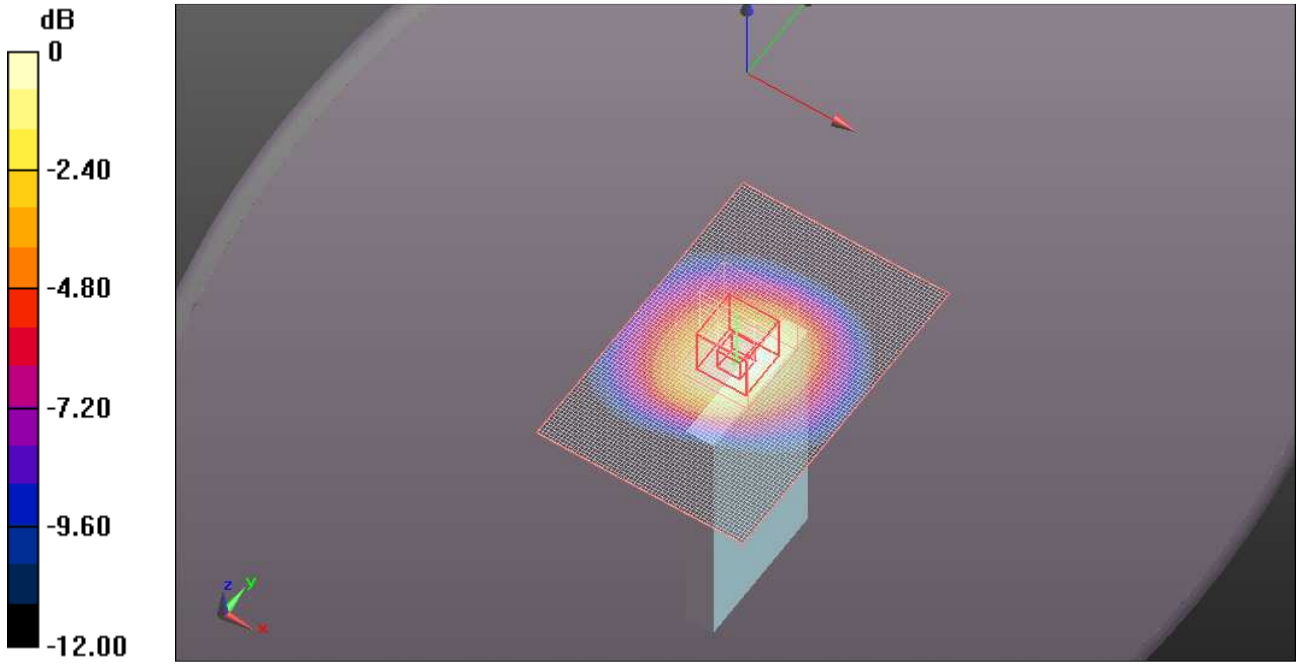
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Top/QPSK_5MHz_RB1_RB0_M-Ch/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

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

Top/QPSK_5MHz_RB1_RB0_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.842 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.364 W/kg
SAR(1 g) = 0.231 mW/g; SAR(10 g) = 0.142 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.288 mW/g



0 dB = 0.290mW/g

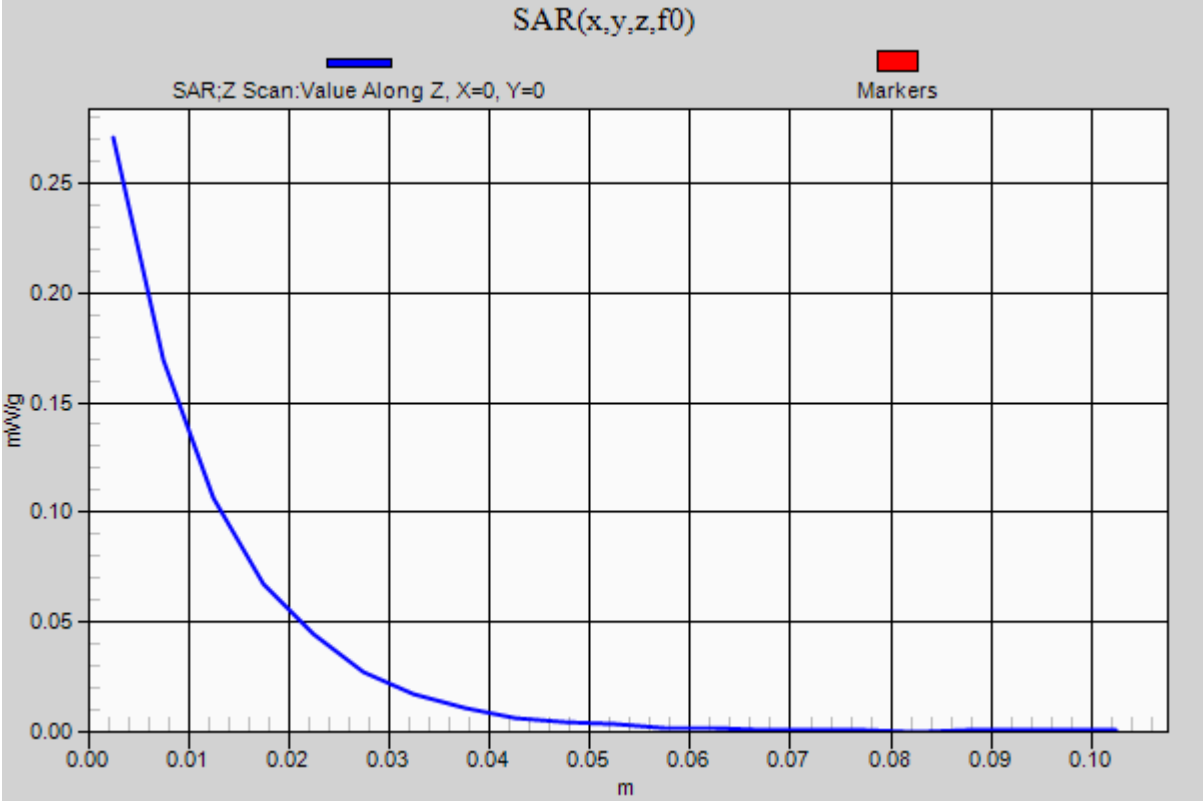
Date: 11/12/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Body

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Top/QPSK_5MHz_RB1_RB0_M-Ch/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.271 mW/g



Date: 11/8/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Body

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.466 mho/m; ε_r = 52.356; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

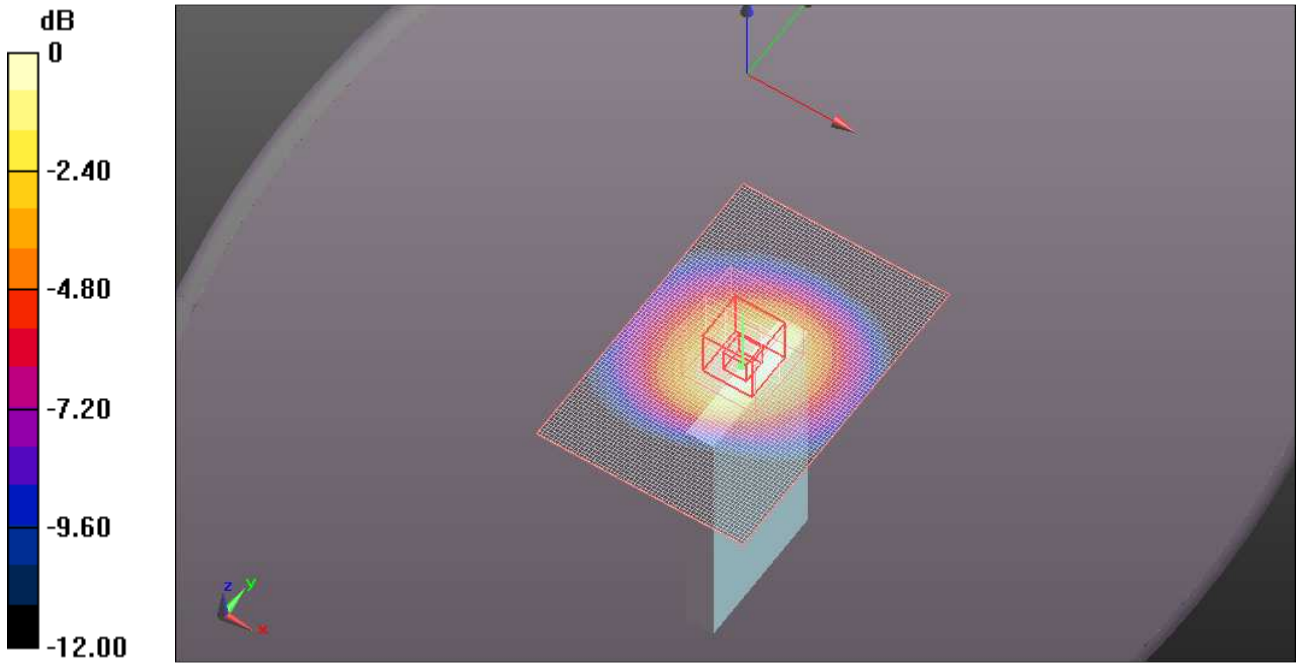
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Top/QPSK_5MHz_RB1_RB24_M-Ch/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.277 mW/g

Top/QPSK_5MHz_RB1_RB24_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.573 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.347 W/kg
SAR(1 g) = 0.221 mW/g; SAR(10 g) = 0.137 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.274 mW/g



0 dB = 0.270mW/g

Date: 11/8/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Body

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.466 mho/m; ε_r = 52.356; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

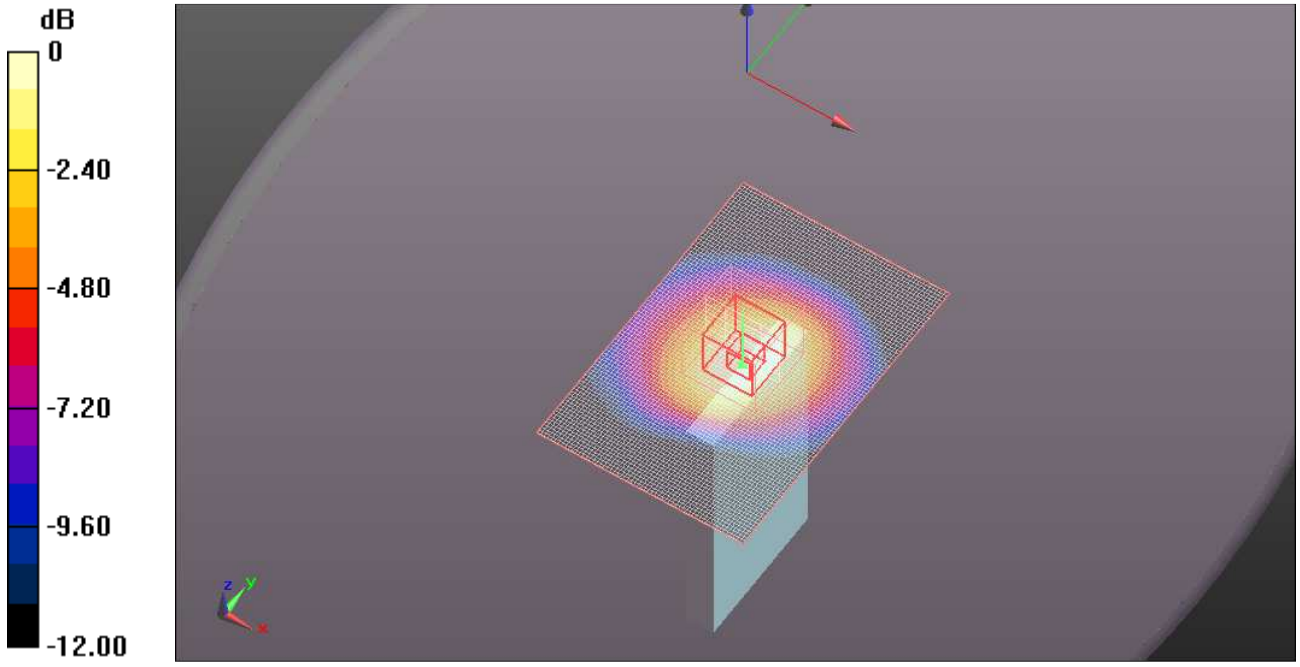
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Top/QPSK_5MHz_RB12_RB6_M-Ch/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.208 mW/g

Top/QPSK_5MHz_RB12_RB6_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.663 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.255 W/kg
SAR(1 g) = 0.165 mW/g; SAR(10 g) = 0.102 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.203 mW/g



0 dB = 0.200mW/g

Date: 11/12/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Body

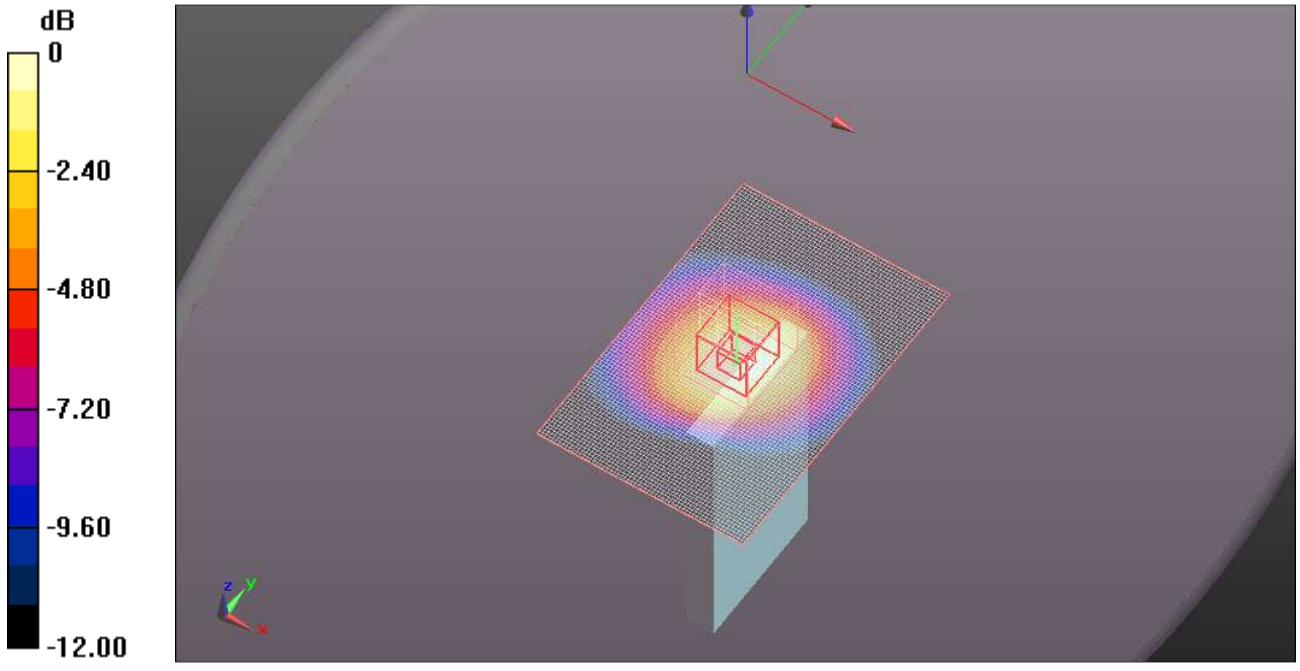
Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.465 mho/m; ε_r = 51.929; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Top/16QAM_5MHz_RB1_RB0_M-Ch/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.244 mW/g

Top/16QAM_5MHz_RB1_RB0_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.505 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.302 W/kg
SAR(1 g) = 0.190 mW/g; SAR(10 g) = 0.116 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.237 mW/g



0 dB = 0.240mW/g

Date: 11/8/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Body

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.466 mho/m; ε_r = 52.356; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

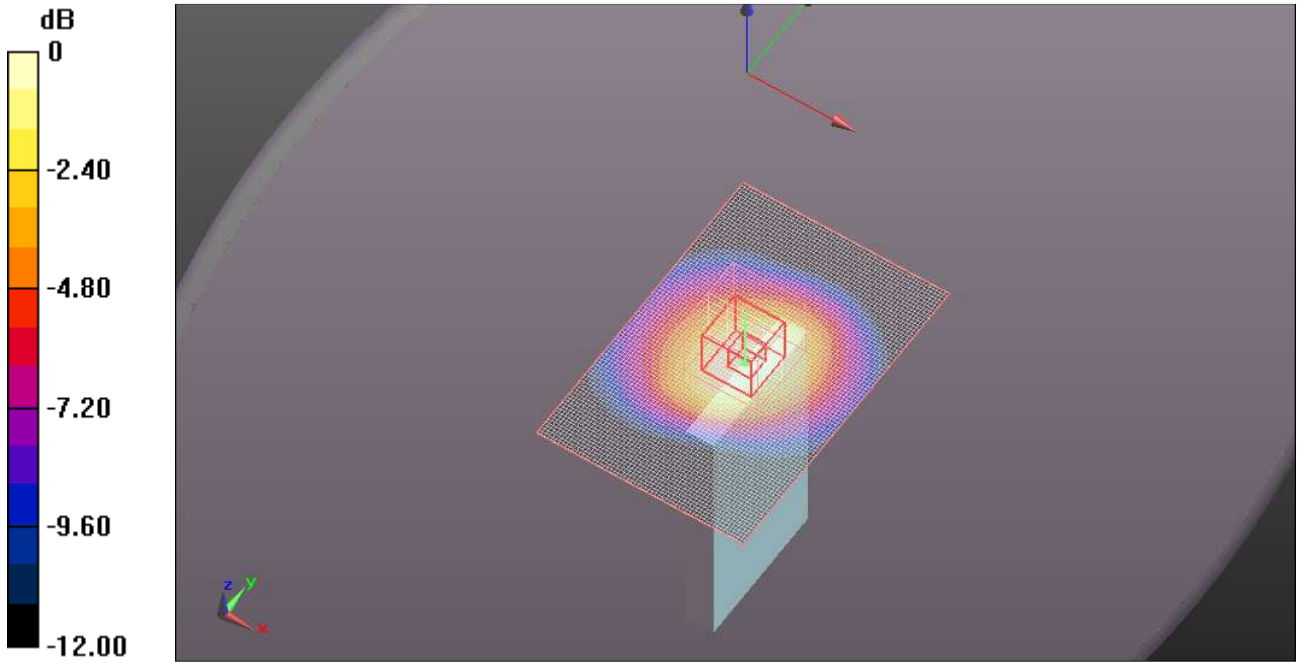
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Top/16QAM_5MHz_RB1_RB24_M-Ch/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.227 mW/g

Top/16QAM_5MHz_RB1_RB24_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.206 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.280 W/kg
SAR(1 g) = 0.180 mW/g; SAR(10 g) = 0.112 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.223 mW/g



0 dB = 0.220mW/g

Date: 11/8/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Body

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.466 mho/m; ε_r = 52.356; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

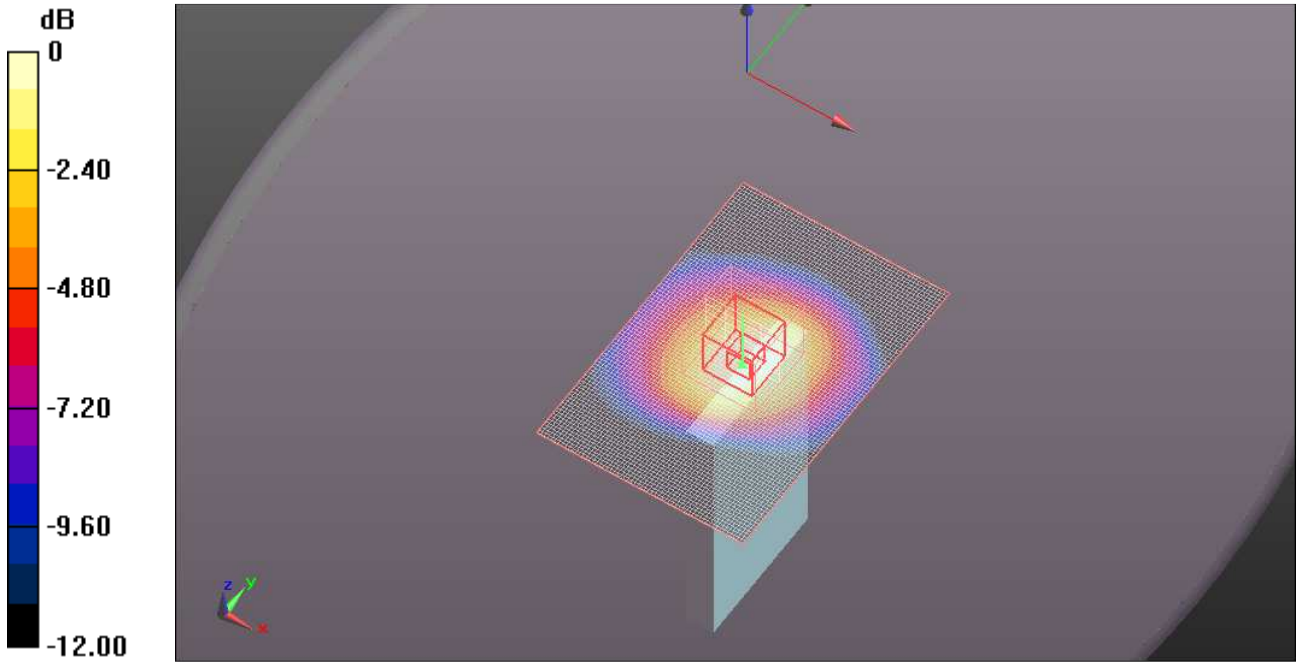
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Top/16QAM_5MHz_RB12_RB6_M-Ch/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.163 mW/g

Top/16QAM_5MHz_RB12_RB6_M-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.372 V/m; Power Drift = -0.0044 dB
Peak SAR (extrapolated) = 0.204 W/kg
SAR(1 g) = 0.130 mW/g; SAR(10 g) = 0.080 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.161 mW/g



0 dB = 0.160mW/g

Date: 11/12/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Body

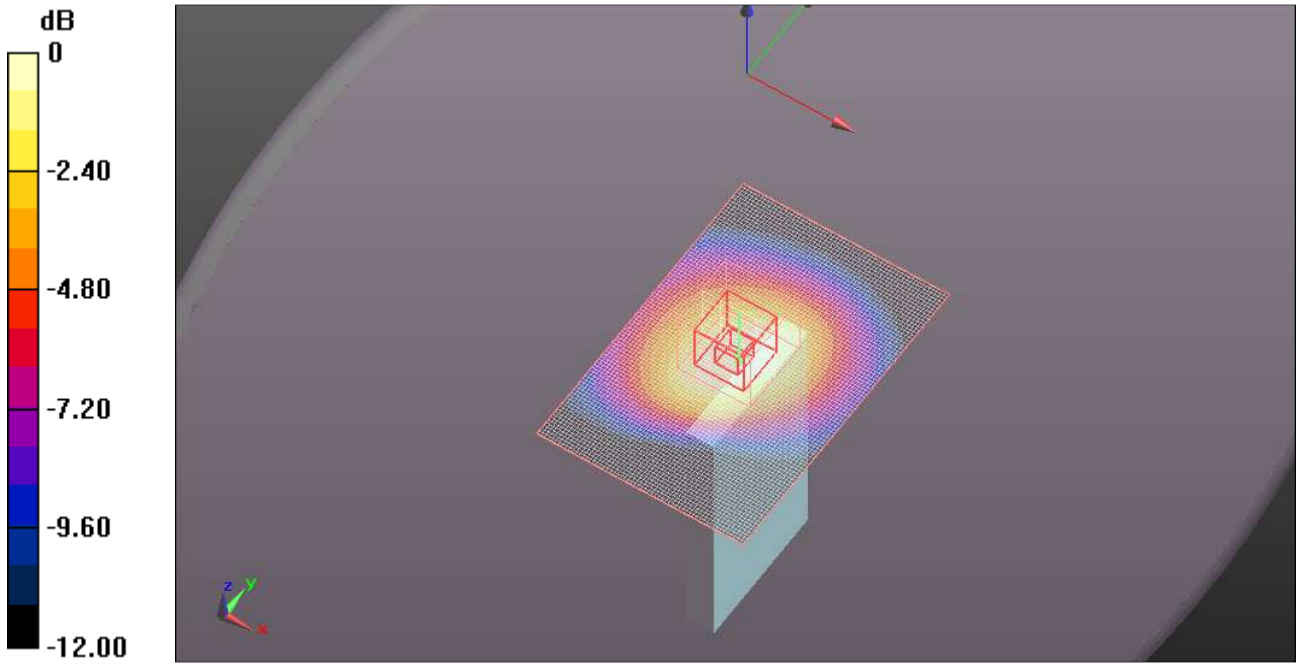
Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.499 mho/m; ε_r = 51.847; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.55, 7.55, 7.55); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Top/QPSK_5MHz_RB1_RB0_H-Ch/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.258 mW/g

Top/QPSK_5MHz_RB1_RB0_H-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.001 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.324 W/kg
SAR(1 g) = 0.206 mW/g; SAR(10 g) = 0.128 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.254 mW/g



0 dB = 0.250mW/g

Date: 11/12/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Body

Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.499 mho/m; ε_r = 51.847; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

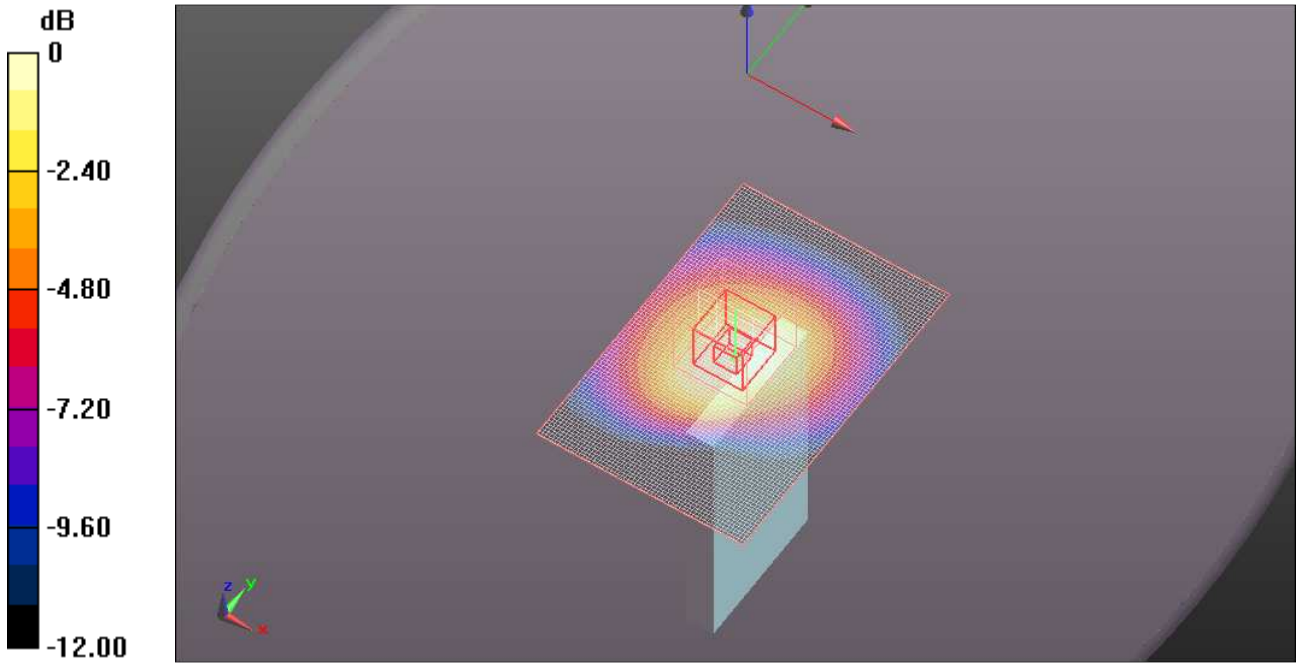
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.55, 7.55, 7.55); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Top/QPSK_5MHz_RB1_RB24_H-Ch/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.233 mW/g

Top/QPSK_5MHz_RB1_RB24_H-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.337 V/m; Power Drift = 0.0035 dB
Peak SAR (extrapolated) = 0.288 W/kg
SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.115 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.228 mW/g



0 dB = 0.230mW/g

Date: 11/12/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Body

Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.499 mho/m; ε_r = 51.847; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

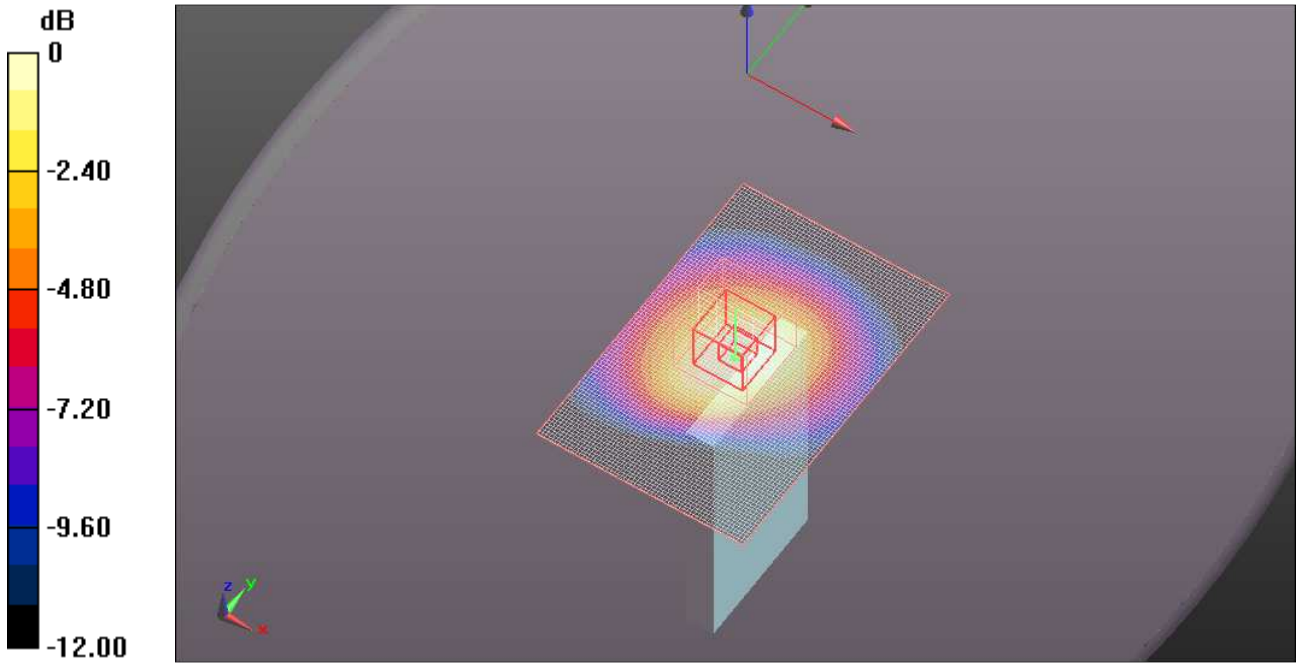
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.55, 7.55, 7.55); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Top/16QAM_5MHz_RB1_RB0_H-Ch/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.211 mW/g

Top/16QAM_5MHz_RB1_RB0_H-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.668 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.272 W/kg
SAR(1 g) = 0.173 mW/g; SAR(10 g) = 0.107 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.210 mW/g



0 dB = 0.210mW/g

Date: 11/12/2011

Test Laboratory: UL CCS SAR Lab B

LTE Band 25_Body

Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.499 mho/m; ε_r = 51.847; ρ = 1000 kg/m^3
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

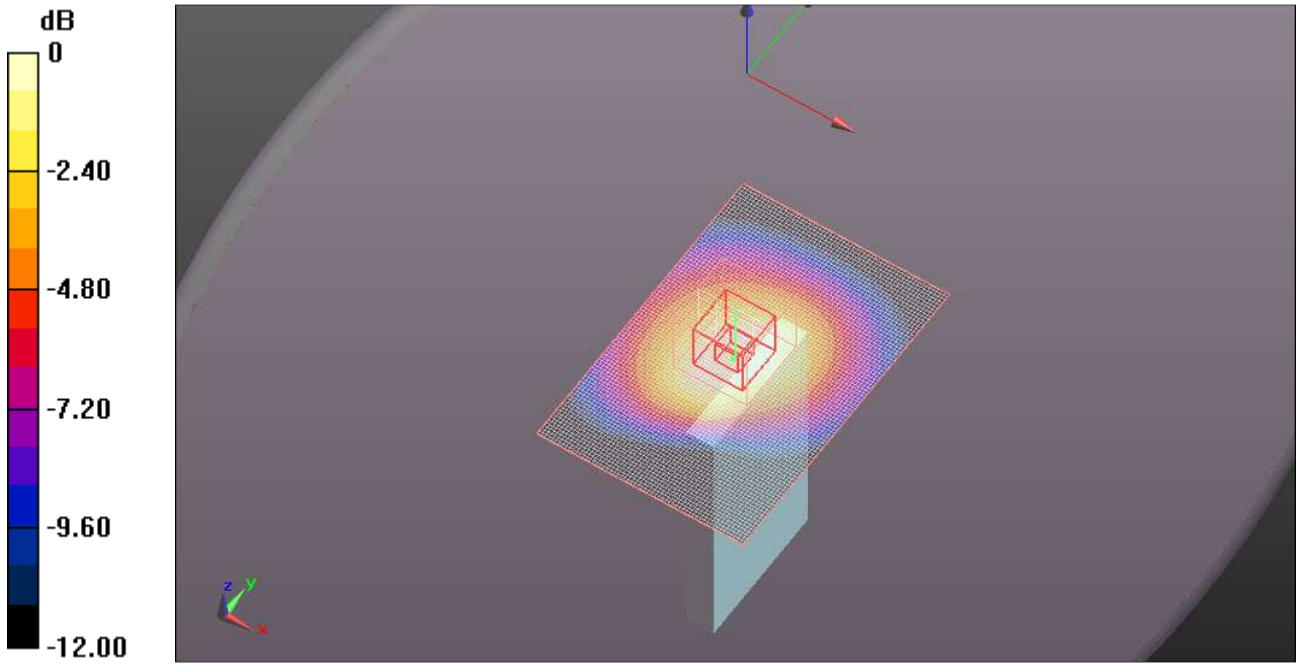
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.55, 7.55, 7.55); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Top/16QAM_5MHz_RB1_RB24_H-Ch/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.211 mW/g

Top/16QAM_5MHz_RB1_RB24_H-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.620 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.256 W/kg
SAR(1 g) = 0.163 mW/g; SAR(10 g) = 0.101 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.203 mW/g



0 dB = 0.200mW/g