Date: 10/18/2011

Test Laboratory: UL CCS SAR Lab A

Edge 1_Tablet

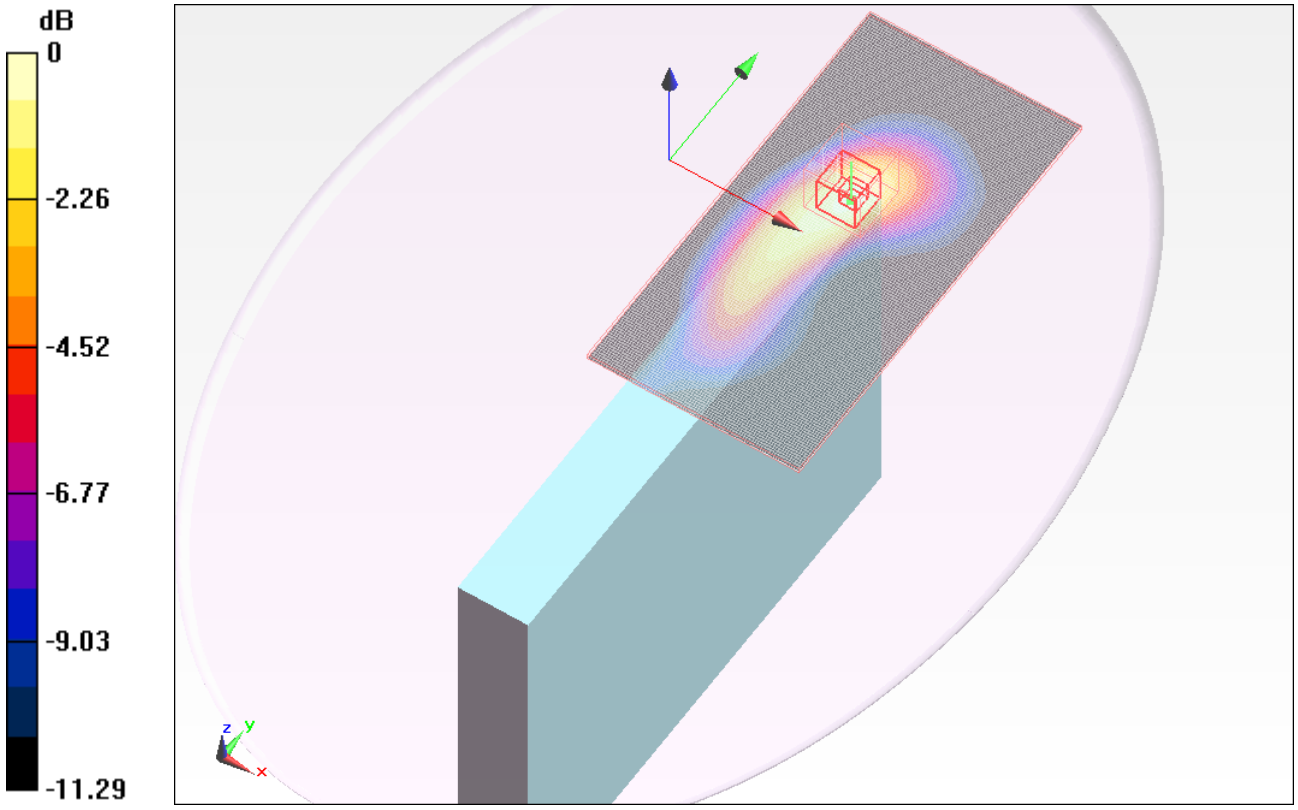
Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 782 MHz; σ = 1.013 mho/m; ε_r = 54.302; ρ = 1000 kg/m^3
Phantom section: Flat Section

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 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

LTE Band 13 10MHz/QPSK _RBs#1_RBo#0/Area Scan (81x161x1): Measurement grid:
dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.139 mW/g

LTE Band 13 10MHz/QPSK _RBs#1_RBo#0/Zoom Scan (5x5x7)/Cube 0: Measurement grid:
dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.931 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.194 W/kg
SAR(1 g) = 0.116 mW/g; SAR(10 g) = 0.072 mW/g
Maximum value of SAR (measured) = 0.148 mW/g



0 dB = 0.150mW/g

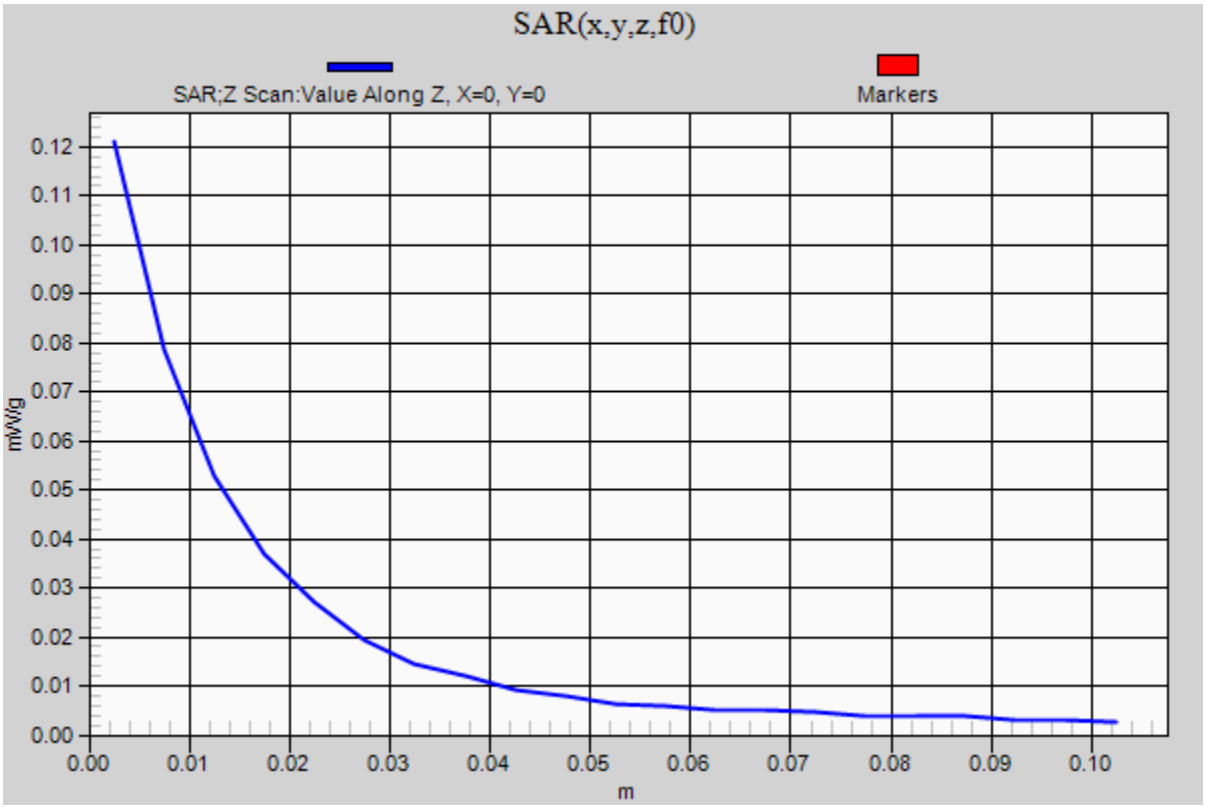
Date: 10/18/2011

Test Laboratory: UL CCS SAR Lab A

Edge 1_Tablet

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

LTE Band 13 10MHz/QPSK _RBs#1_RBo#0/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.121 mW/g



Date: 10/18/2011

Test Laboratory: UL CCS SAR Lab A

Edge 1_Tablet

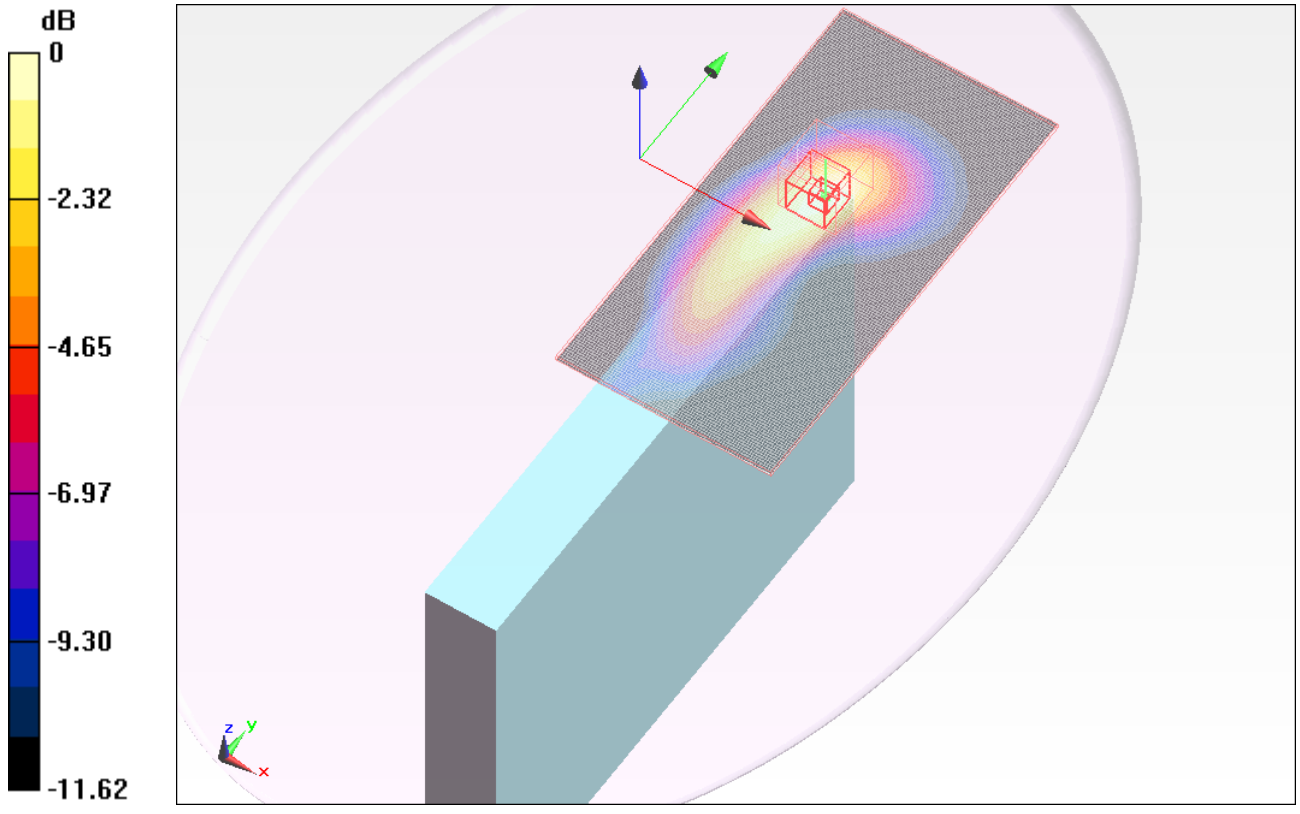
Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 782 MHz; σ = 1.013 mho/m; ε_r = 54.302; ρ = 1000 kg/m^3
Phantom section: Flat Section

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 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

LTE Band 13 10MHz/QPSK_RBs#1_RBo#49/Area Scan (81x161x1): Measurement grid:
dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.135 mW/g

LTE Band 13 10MHz/QPSK _RBs#1_RBo#49/Zoom Scan (5x5x7)/Cube 0: Measurement grid:
dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.856 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.189 W/kg
SAR(1 g) = 0.113 mW/g; SAR(10 g) = 0.070 mW/g
Maximum value of SAR (measured) = 0.144 mW/g



0 dB = 0.140mW/g

Date: 10/18/2011, Date: 10/19/2011

Test Laboratory: UL CCS SAR Lab A

Edge 1_Tablet

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 782 MHz; σ = 1.013 mho/m; ε_r = 54.302; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

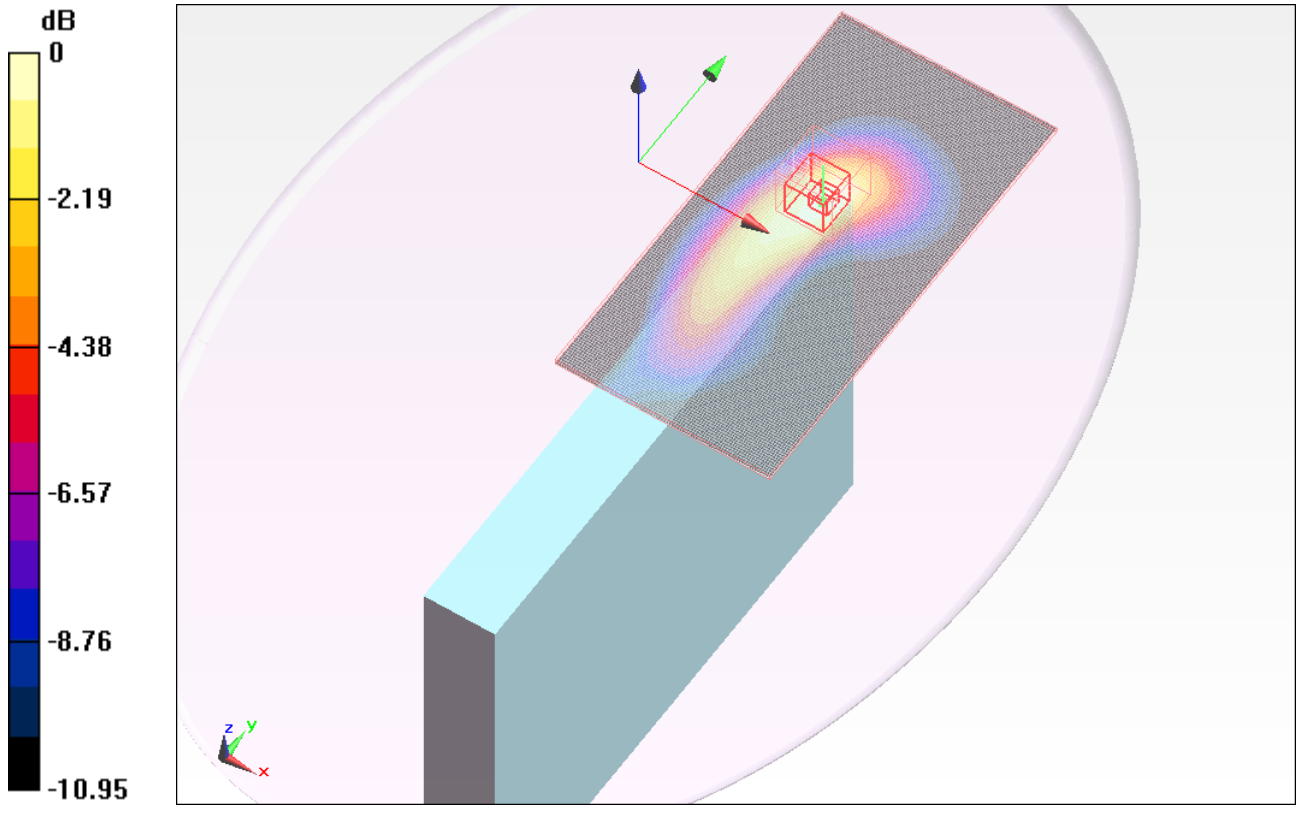
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

LTE Band 13 10MHz/QPSK _RBs#25_RBo#12/Area Scan (81x161x1): Measurement grid: dx=15mm, dy=15mm

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

LTE Band 13 10MHz/QPSK _RBs#25_RBo#12/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.088 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.165 W/kg
SAR(1 g) = 0.100 mW/g; SAR(10 g) = 0.062 mW/g
Maximum value of SAR (measured) = 0.127 mW/g



0 dB = 0.130mW/g

Date: 10/19/2011

Test Laboratory: UL CCS SAR Lab A

Edge 1_Tablet

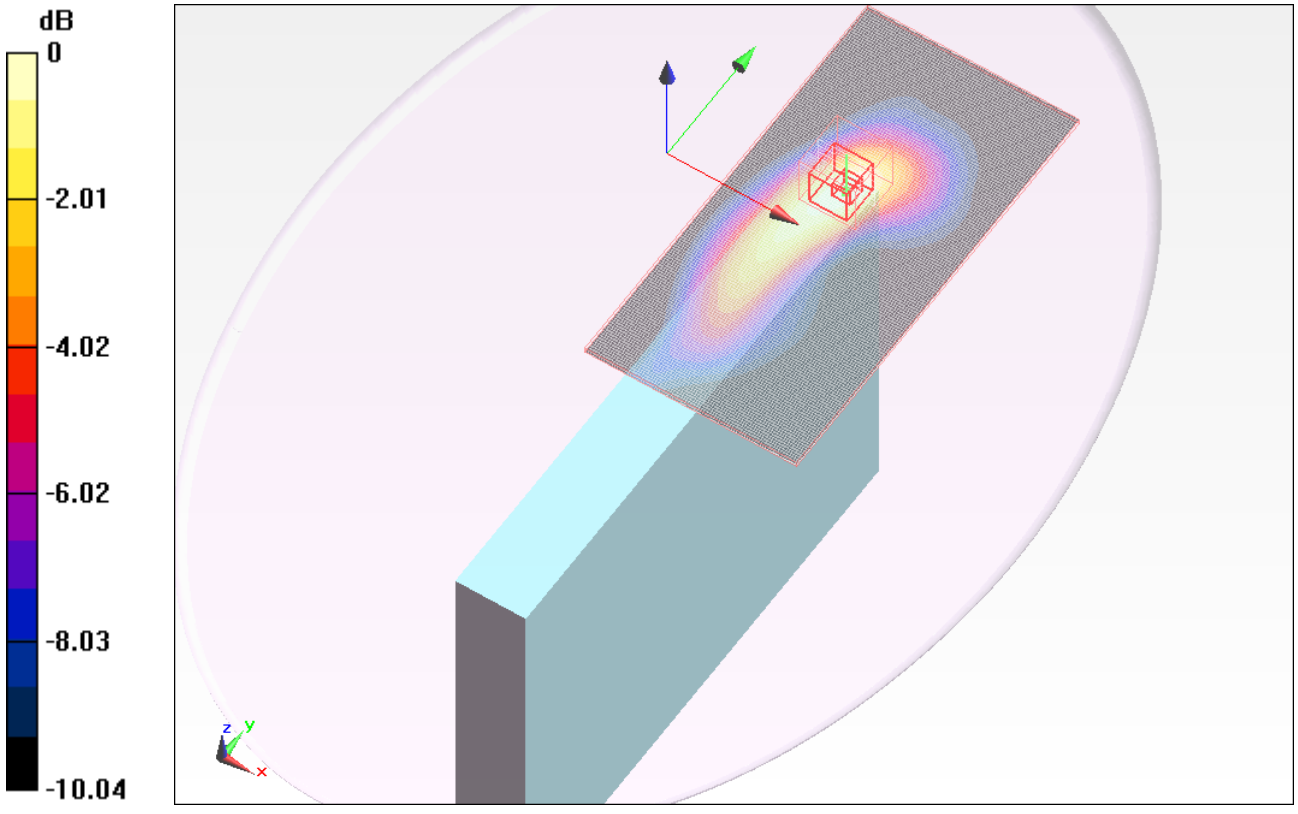
Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 782 MHz; σ = 1.013 mho/m; ε_r = 54.302; ρ = 1000 kg/m^3
Phantom section: Flat Section

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 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

LTE Band 13 10MHz/16QAM _RBs#1_RBo#0/Area Scan (81x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.070 mW/g

LTE Band 13 10MHz/16QAM_RBs#1_RBo#0/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.816 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.094 W/kg
SAR(1 g) = 0.058 mW/g; SAR(10 g) = 0.036 mW/g
Maximum value of SAR (measured) = 0.073 mW/g



0 dB = 0.070mW/g

Date: 10/19/2011

Test Laboratory: UL CCS SAR Lab A

Edge 1_Tablet

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 782 MHz; σ = 1.013 mho/m; ε_r = 54.302; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

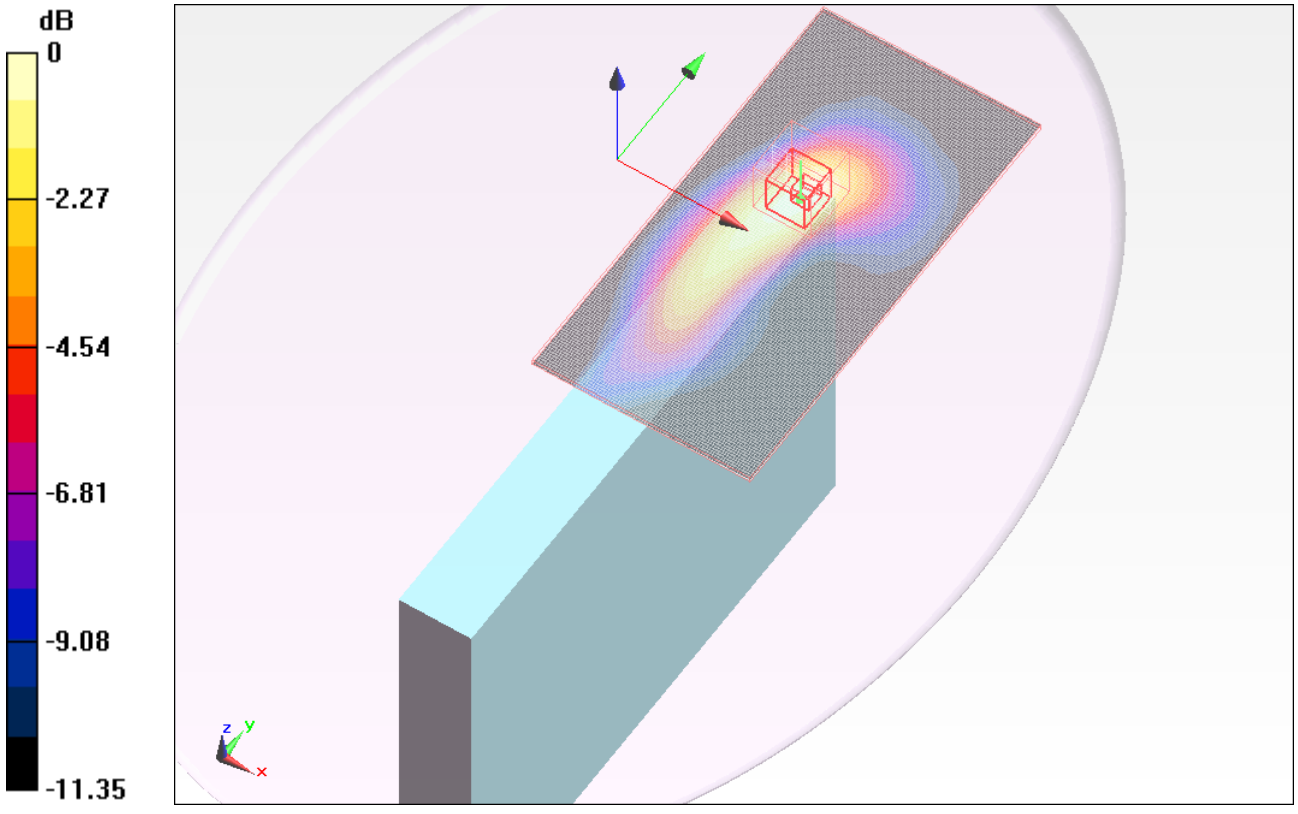
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

LTE Band 13 10MHz/16QAM _RBs#1_RBo#49/Area Scan (81x161x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.095 mW/g

LTE Band 13 10MHz/16QAM _RBs#1_RBo#49/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.431 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.132 W/kg
SAR(1 g) = 0.080 mW/g; SAR(10 g) = 0.050 mW/g
Maximum value of SAR (measured) = 0.101 mW/g



0 dB = 0.100mW/g

Date: 10/19/2011

Test Laboratory: UL CCS SAR Lab A

Edge 1_Tablet

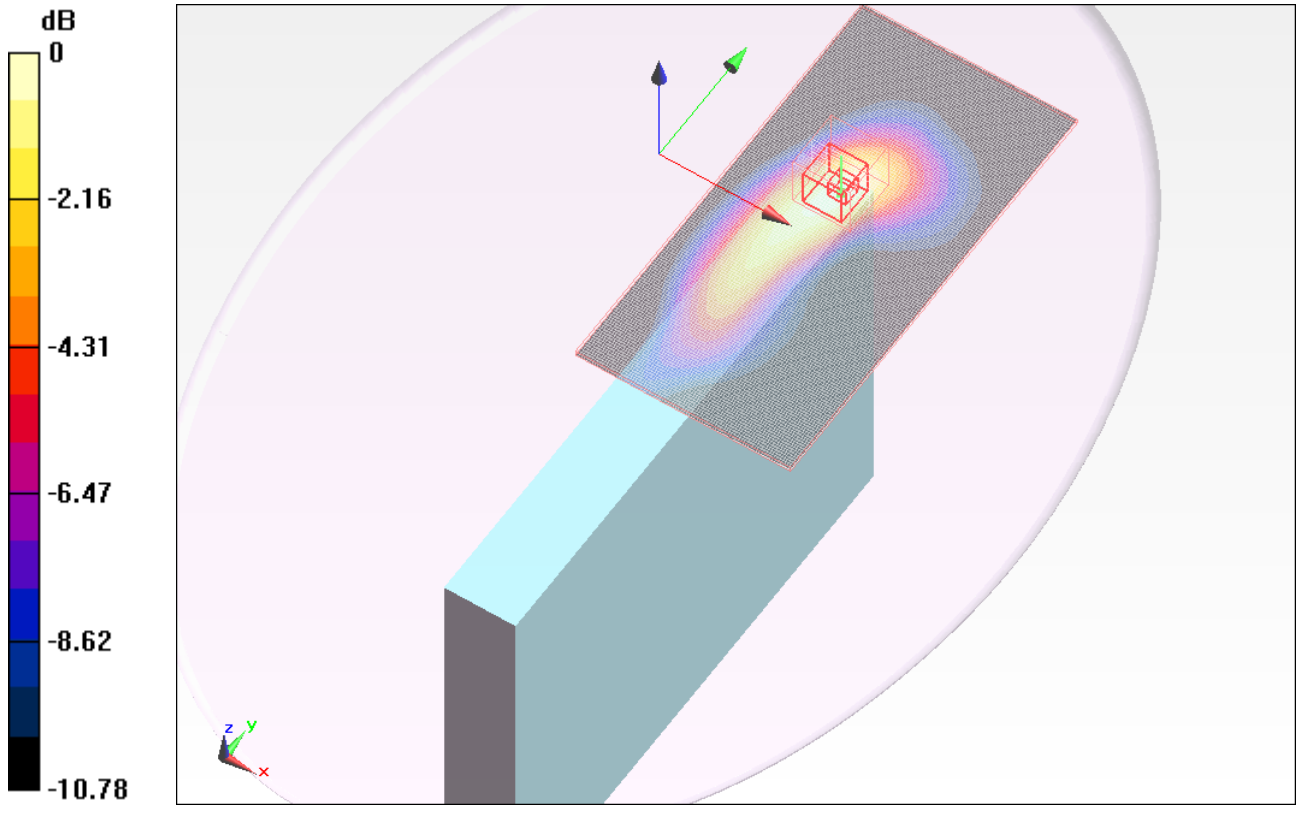
Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 782 MHz; σ = 1.013 mho/m; ε_r = 54.302; ρ = 1000 kg/m^3
Phantom section: Flat Section

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 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

LTE Band 13 10MHz/16QAM_ RBs#25_RBo#12/Area Scan (81x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.098 mW/g

LTE Band 13 10MHz/16QAM _RBs#25_RBo#12/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.470 V/m; Power Drift = 0.0085 dB
Peak SAR (extrapolated) = 0.134 W/kg
SAR(1 g) = 0.081 mW/g; SAR(10 g) = 0.051 mW/g
Maximum value of SAR (measured) = 0.103 mW/g



0 dB = 0.100mW/g

Date: 10/20/2011

Test Laboratory: UL CCS SAR Lab A

Bottom Face_Tablet

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 782 MHz; σ = 1.017 mho/m; ε_r = 54.567; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

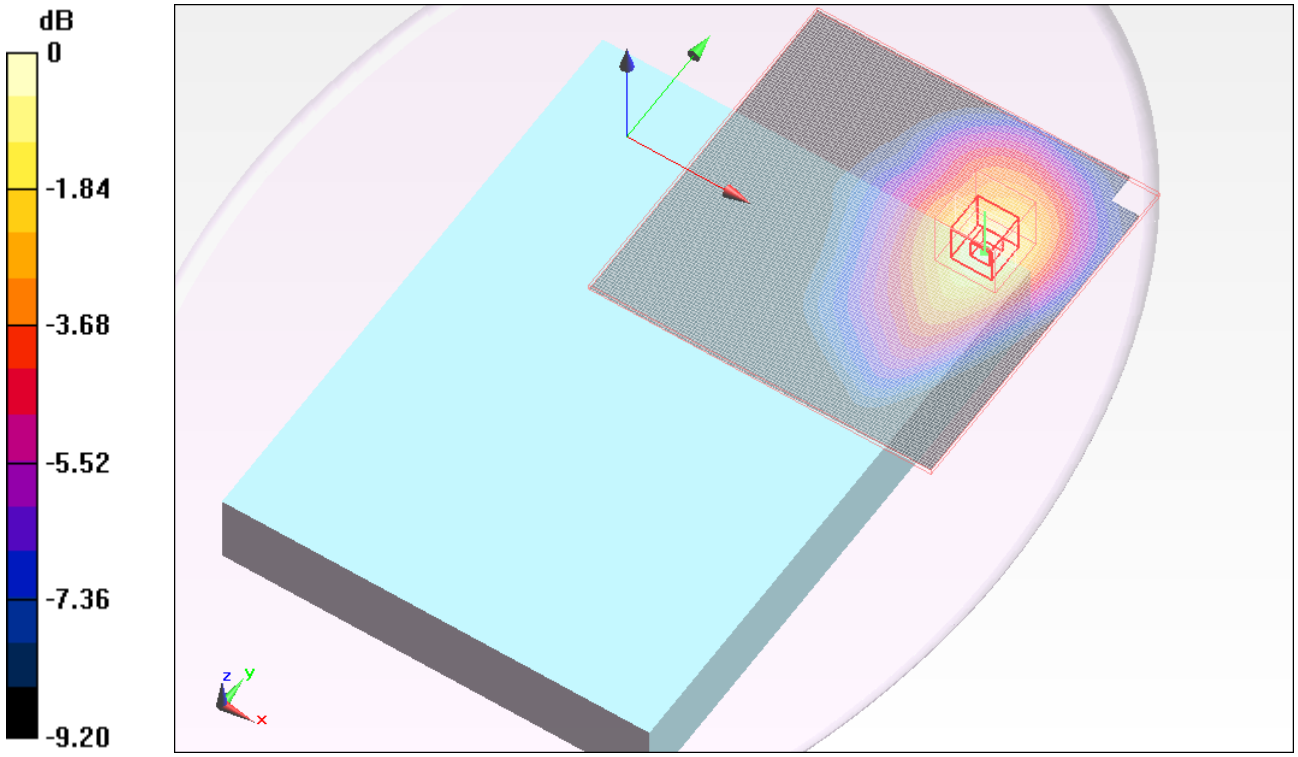
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

LTE Band 13 10MHz Middle Channel/QPSK_RBs#1_RBo#0/Area Scan (121x121x1):

Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.100 mW/g

LTE Band 13 10MHz Middle Channel/QPSK_RBs#1_RBo#0/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.839 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.127 W/kg
SAR(1 g) = 0.087 mW/g; SAR(10 g) = 0.060 mW/g
Maximum value of SAR (measured) = 0.106 mW/g



0 dB = 0.110mW/g

Date: 1/3/2012

Test Laboratory: UL CCS SAR Lab A

Bottom Face_Tablet

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 782 MHz; σ = 0.978 mho/m; ε_r = 55.593; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

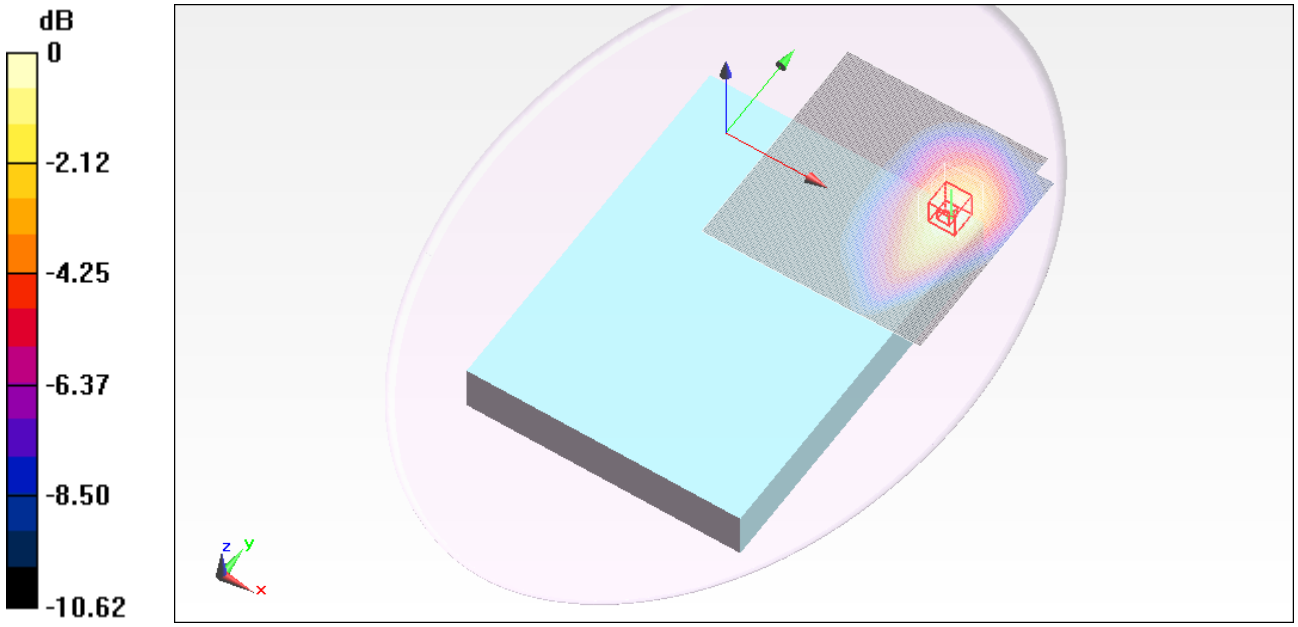
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1119
- Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.6.4 (4989)

LTE Band 13 10MHz Middle Channel/QPSK_Mid_Ch_RBs#1_RBo#49/Area Scan (121x121x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.121 mW/g

LTE Band 13 10MHz Middle Channel/QPSK_Mid_Ch_RBs#1_RBo#49/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.529 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.1520
SAR(1 g) = 0.098 mW/g; SAR(10 g) = 0.065 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.118 mW/g



0 dB = 0.120mW/g = -18.42 dB mW/g

Date: 1/3/2012

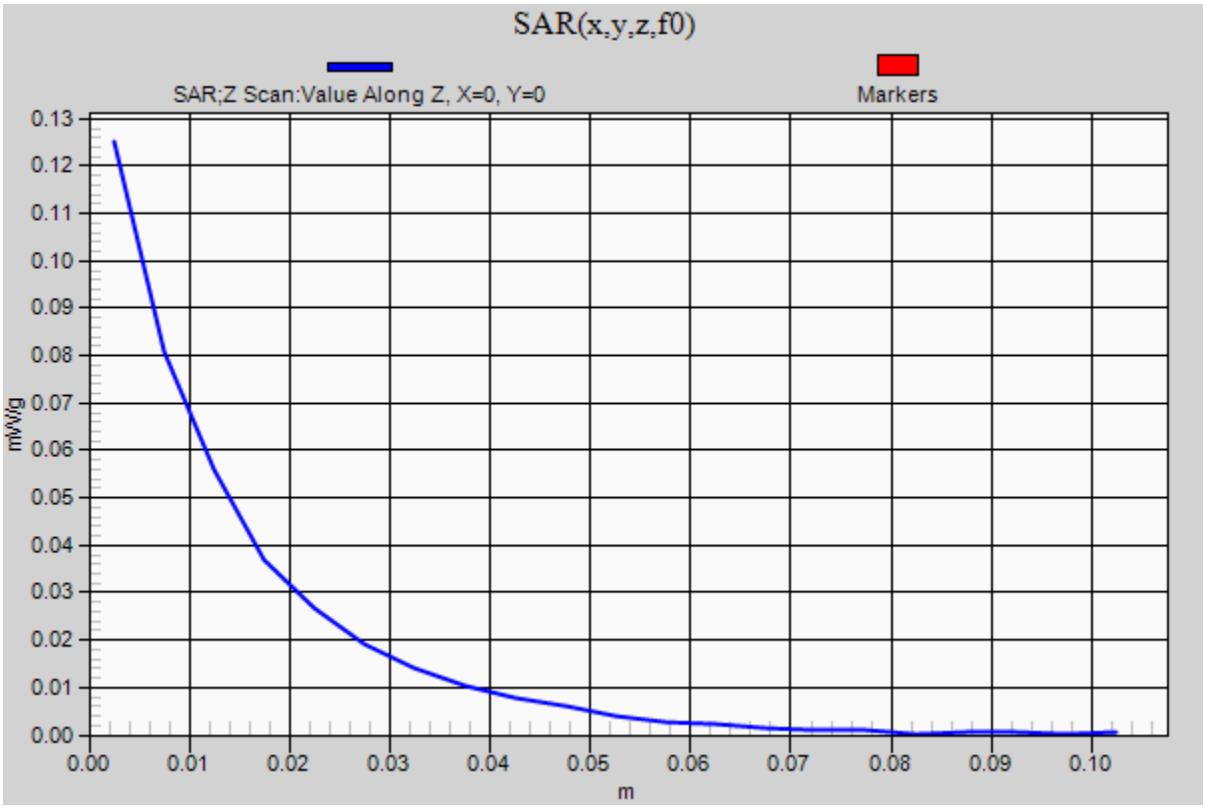
Test Laboratory: UL CCS SAR Lab A

Bottom Face_Tablet

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1

LTE Band 13 10MHz Middle Channel/QPSK_Mid_Ch_RBs#1_RBo#49/Z Scan (1x1x21):

Measurement grid: dx=20mm, dy=20mm, dz=5mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.125 mW/g



Date: 1/3/2012

Test Laboratory: UL CCS SAR Lab A

Bottom Face_Tablet

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 782 MHz; σ = 0.978 mho/m; ε_r = 55.593; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

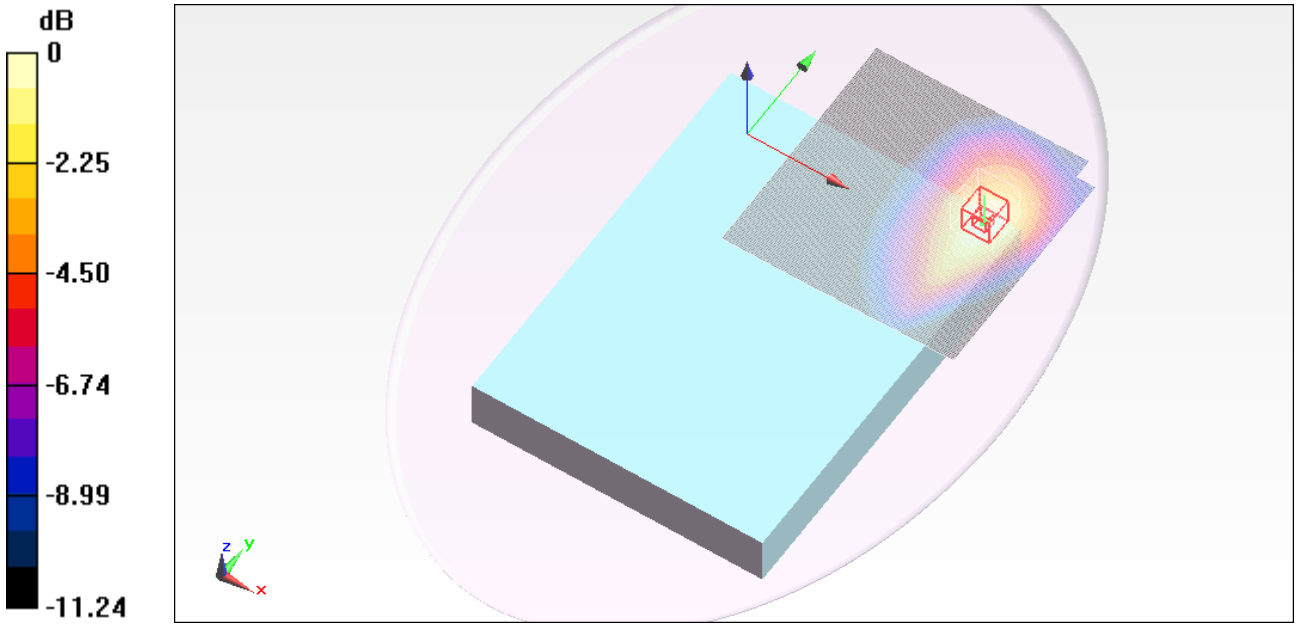
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1119
- Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.6.4 (4989)

LTE Band 13 10MHz Middle Channel/QPSK_Mid_Ch_RBs#25_RBo#12/Area Scan (121x121x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.095 mW/g

LTE Band 13 10MHz Middle Channel/QPSK_Mid_Ch_RBs#25_RBo#12/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.888 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.1180
SAR(1 g) = 0.076 mW/g; SAR(10 g) = 0.050 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.095 mW/g



0 dB = 0.090mW/g = -20.92 dB mW/g

Test Laboratory: UL CCS SAR Lab A Date: 2/10/2012

Bottom Face_Tablet

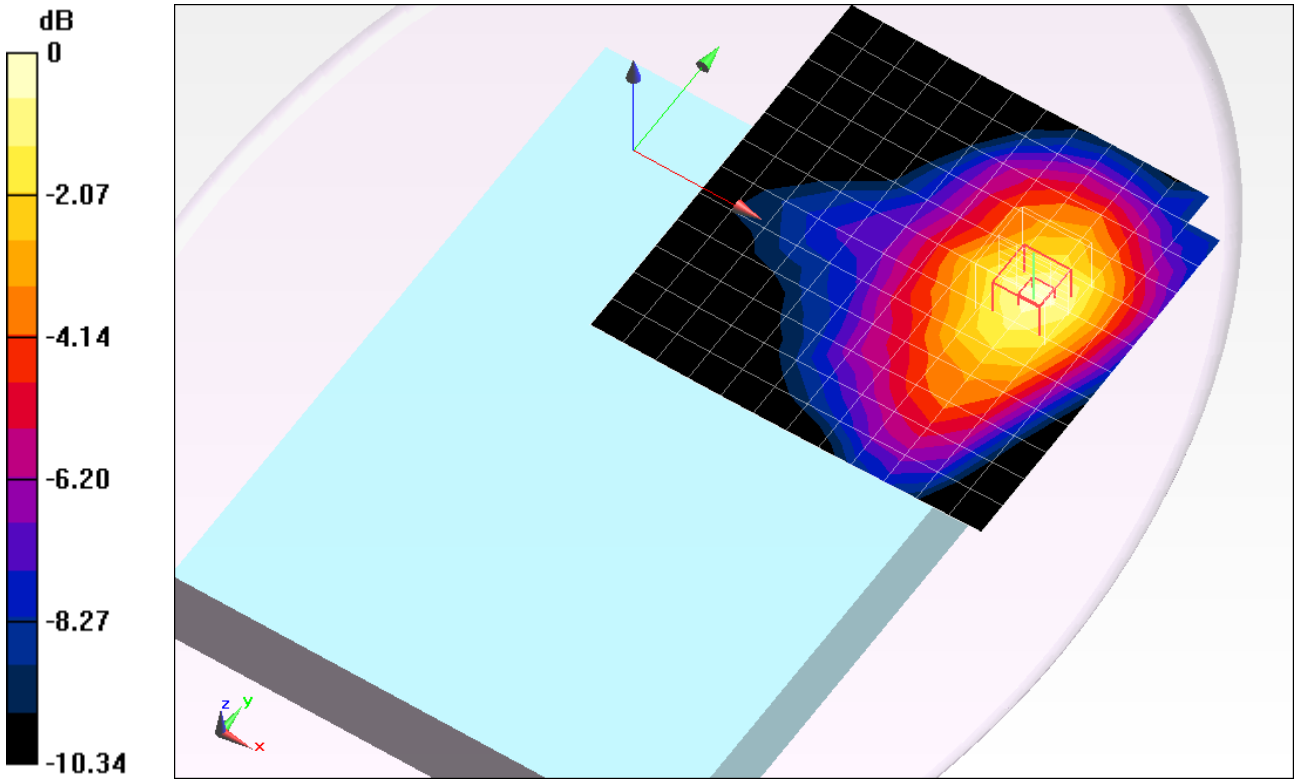
Frequency: 782 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 782 MHz; σ = 0.993 mho/m; ε_r = 54.445; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Probe: EX3DV4 - SN3773; ConvF(8.74, 8.74, 8.74); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1119

LTE Band 13 10MHz Middle Channel/16QAM_Mid_Ch_RBs1_RBo0/Area Scan (13x13x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.091 mW/g

LTE Band 13 10MHz Middle Channel/16QAM_Mid_Ch_RBs1_RBo0/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.467 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.1070
SAR(1 g) = 0.073 mW/g; SAR(10 g) = 0.049 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.088 mW/g



0 dB = 0.090mW/g = -20.92 dB mW/g

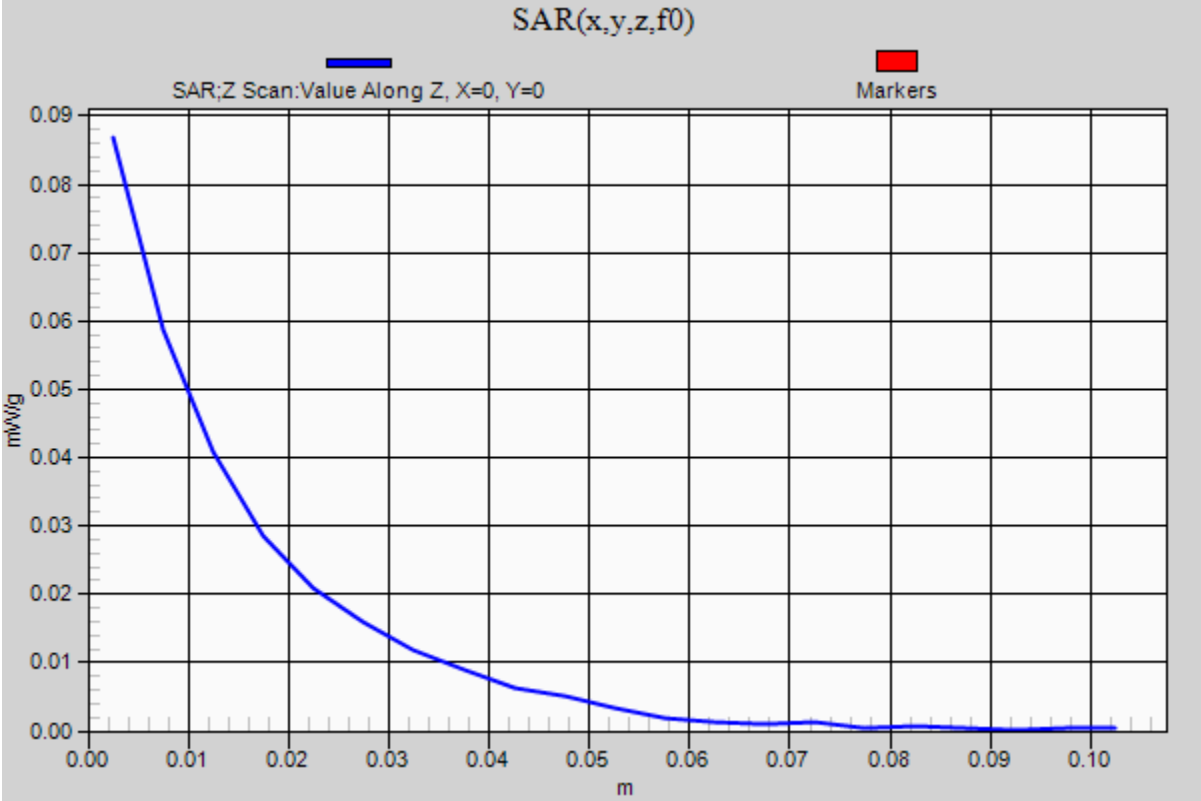
Test Laboratory: UL CCS SAR Lab A Date: 2/10/2012

Bottom Face_Tablet

Frequency: 782 MHz; Duty Cycle: 1:1

LTE Band 13 10MHz Middle Channel/16QAM_Mid_Ch_RBs1_RBo0/Z Scan (1x1x21):

Measurement grid: dx=20mm, dy=20mm, dz=5mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.087 mW/g



Bottom Face_Tablet

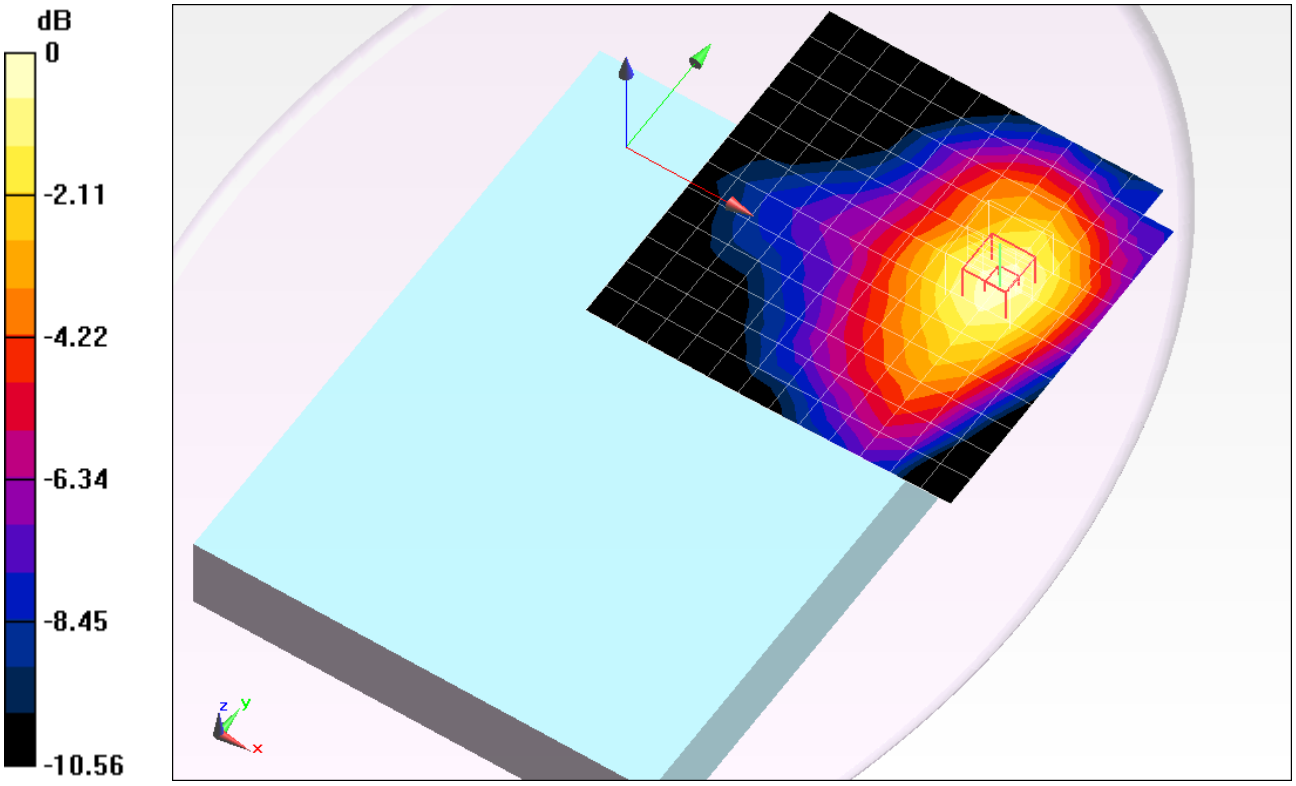
Frequency: 782 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 782 MHz; σ = 0.993 mho/m; ε_r = 54.445; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Probe: EX3DV4 - SN3773; ConvF(8.74, 8.74, 8.74); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1119

LTE Band 13 10MHz Middle Channel/16QAM_Mid_Ch_RBs1_RBo49/Area Scan (13x13x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.070 mW/g

LTE Band 13 10MHz Middle Channel/16QAM_Mid_Ch_RBs1_RBo49/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.473 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.0870
SAR(1 g) = 0.060 mW/g; SAR(10 g) = 0.041 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.072 mW/g



0 dB = 0.070mW/g = -23.10 dB mW/g

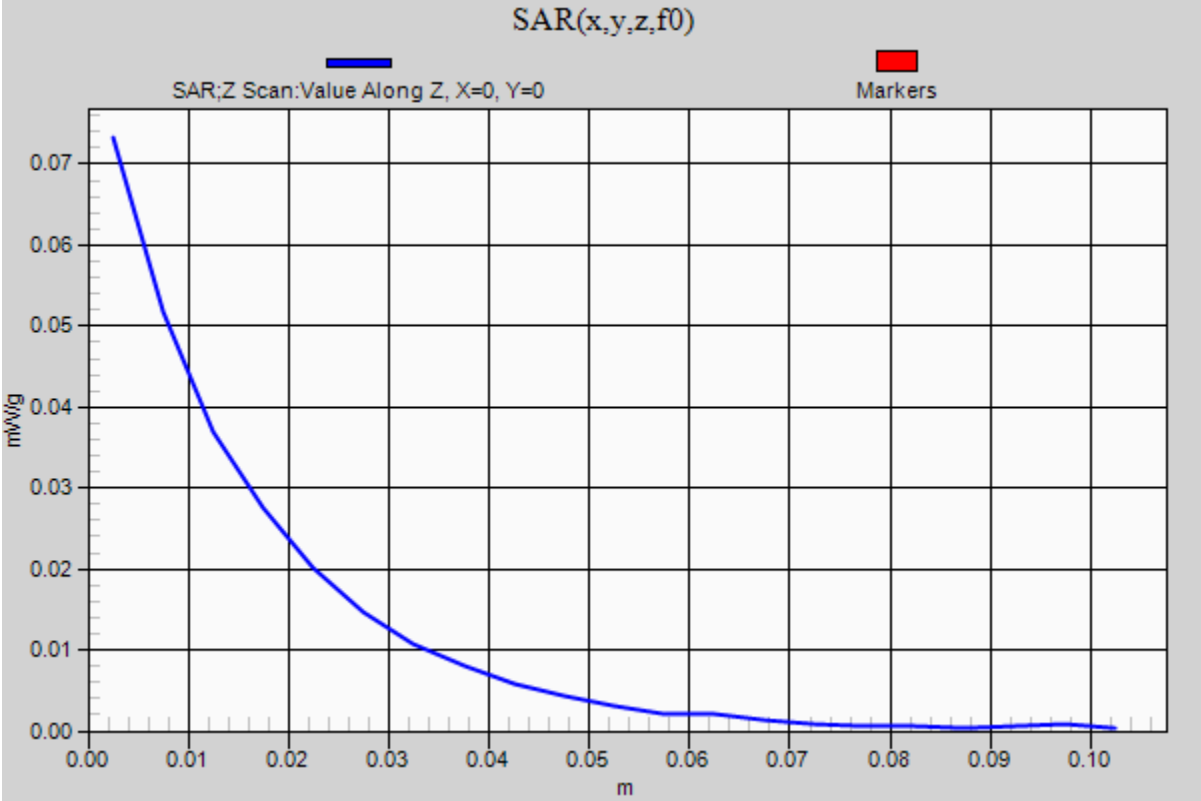
Test Laboratory: UL CCS SAR Lab A Date: 2/10/2012

Bottom Face_Tablet

Frequency: 782 MHz; Duty Cycle: 1:1

LTE Band 13 10MHz Middle Channel/16QAM_Mid_Ch_RBs1_RBo49/Z Scan (1x1x21):

Measurement grid: dx=20mm, dy=20mm, dz=5mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.073 mW/g



Date: 10/20/2011

Test Laboratory: UL CCS SAR Lab A

Bottom Face_Tablet

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 782 MHz; σ = 1.017 mho/m; ε_r = 54.567; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

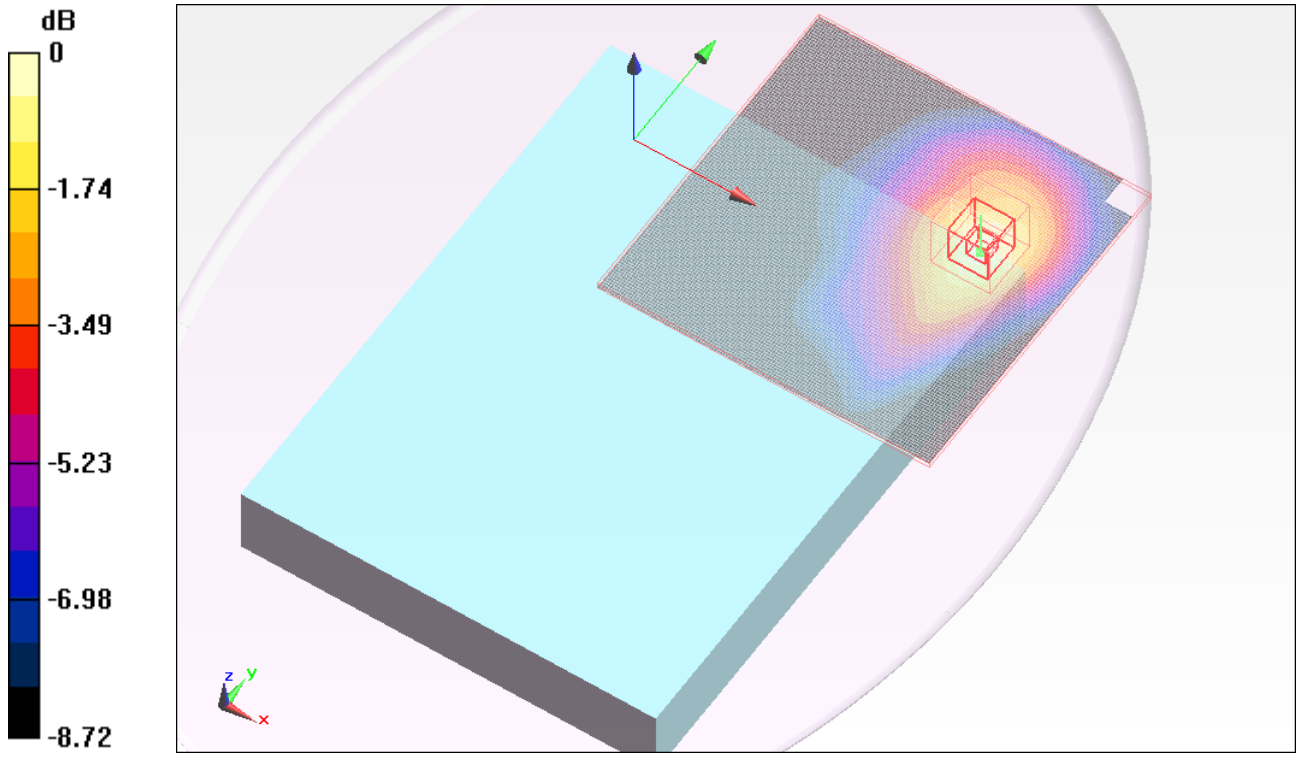
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

LTE Band 13 10MHz Middle Channel/16QAM_RBs#25_RBo#12/Area Scan (121x121x1):

Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.064 mW/g

LTE Band 13 10MHz Middle Channel/16QAM_RBs#25_RBo#12/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.839 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.080 W/kg
SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.039 mW/g
Maximum value of SAR (measured) = 0.066 mW/g



0 dB = 0.070mW/g

Date: 10/20/2011

Test Laboratory: UL CCS SAR Lab A

LapHeld

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 782 MHz; σ = 1.017 mho/m; ε_r = 54.567; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

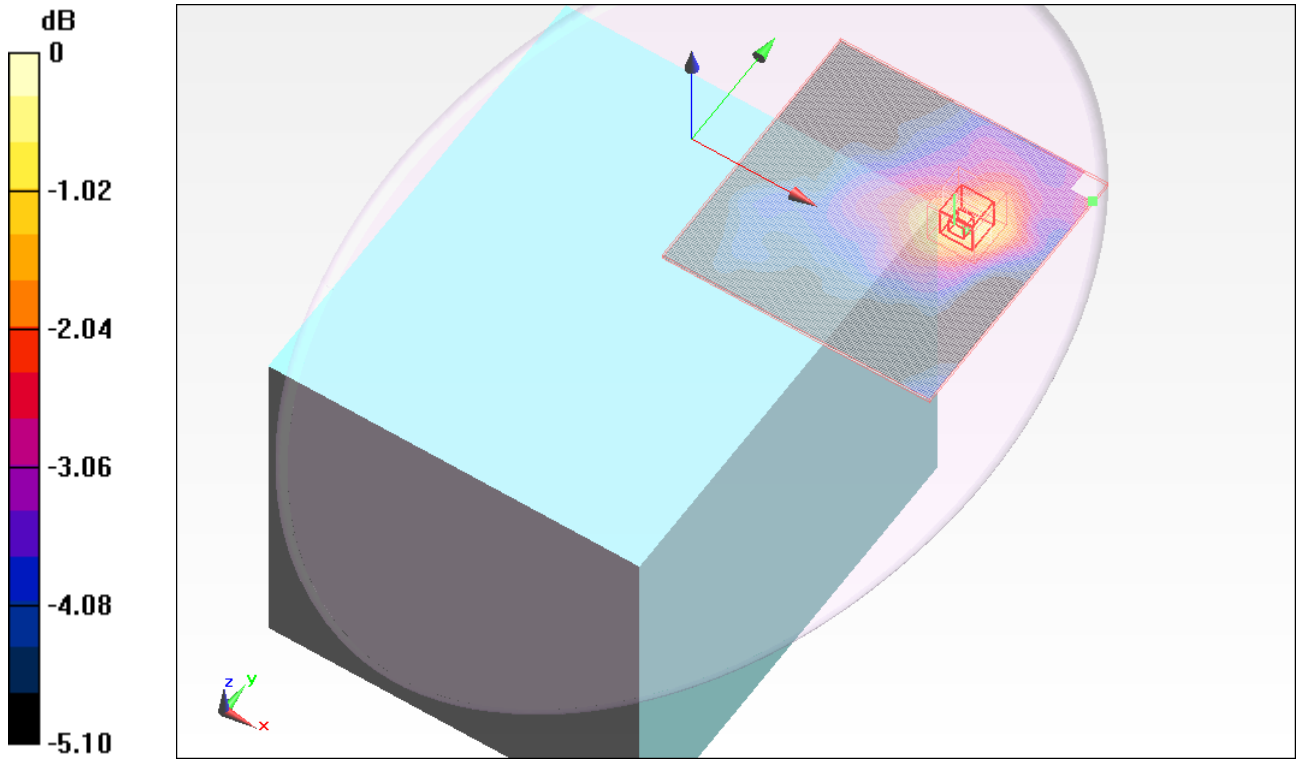
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

LTE Band 13 10MHz Middle Channel/QPSK_RBs#1_RBo#0/Area Scan (121x121x1):

Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.017 mW/g

LTE Band 13 10MHz Middle Channel/QPSK_RBs#1_RBo#0/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.948 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.018 W/kg
SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.012 mW/g
Maximum value of SAR (measured) = 0.016 mW/g



0 dB = 0.020mW/g

Date: 1/3/2012

Test Laboratory: UL CCS SAR Lab A

LapHeld

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 782 MHz; σ = 0.978 mho/m; ε_r = 55.593; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

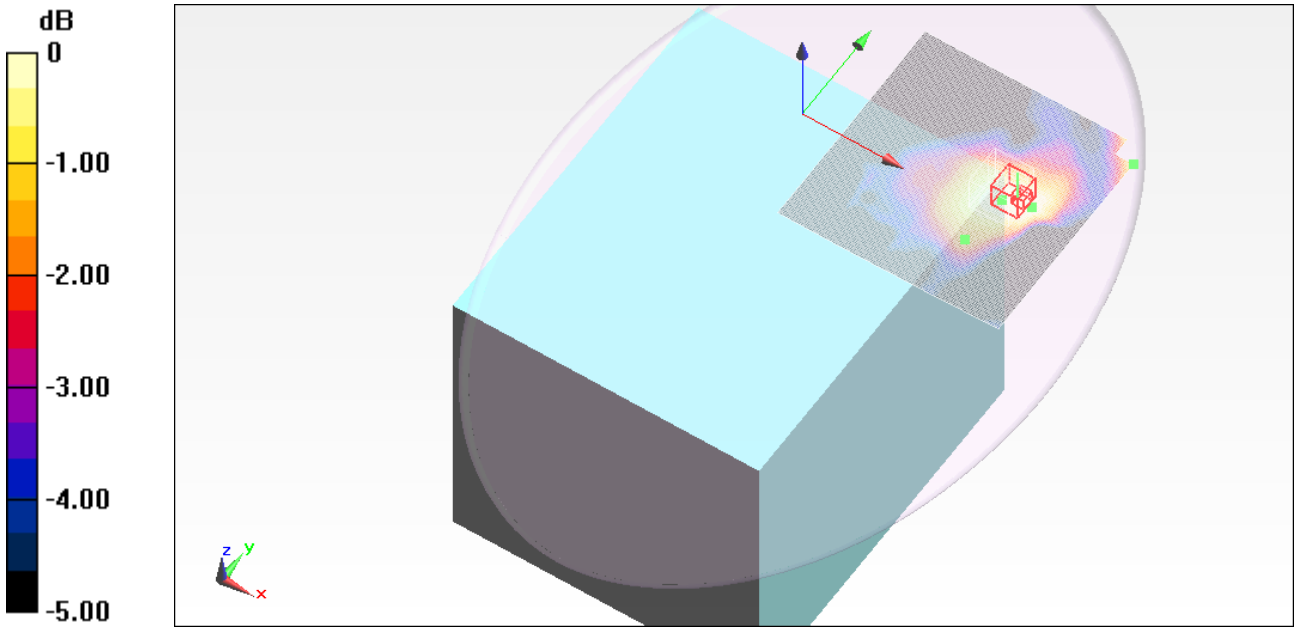
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1119
- Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.6.4 (4989)

LTE Band 13 10MHz Middle Channel/QPSK_Mid_Ch_RBs#1_RBo#49/Area Scan (121x121x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.011 mW/g

LTE Band 13 10MHz Middle Channel/QPSK_Mid_Ch_RBs#1_RBo#49/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.574 V/m; Power Drift = -0.0082 dB
Peak SAR (extrapolated) = 0.0120
SAR(1 g) = 0.0094 mW/g; SAR(10 g) = 0.00679 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.011 mW/g



0 dB = 0.010mW/g = -40.00 dB mW/g

Date: 1/3/2012

Test Laboratory: UL CCS SAR Lab A

LapHeld

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 782 MHz; σ = 0.978 mho/m; ε_r = 55.593; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

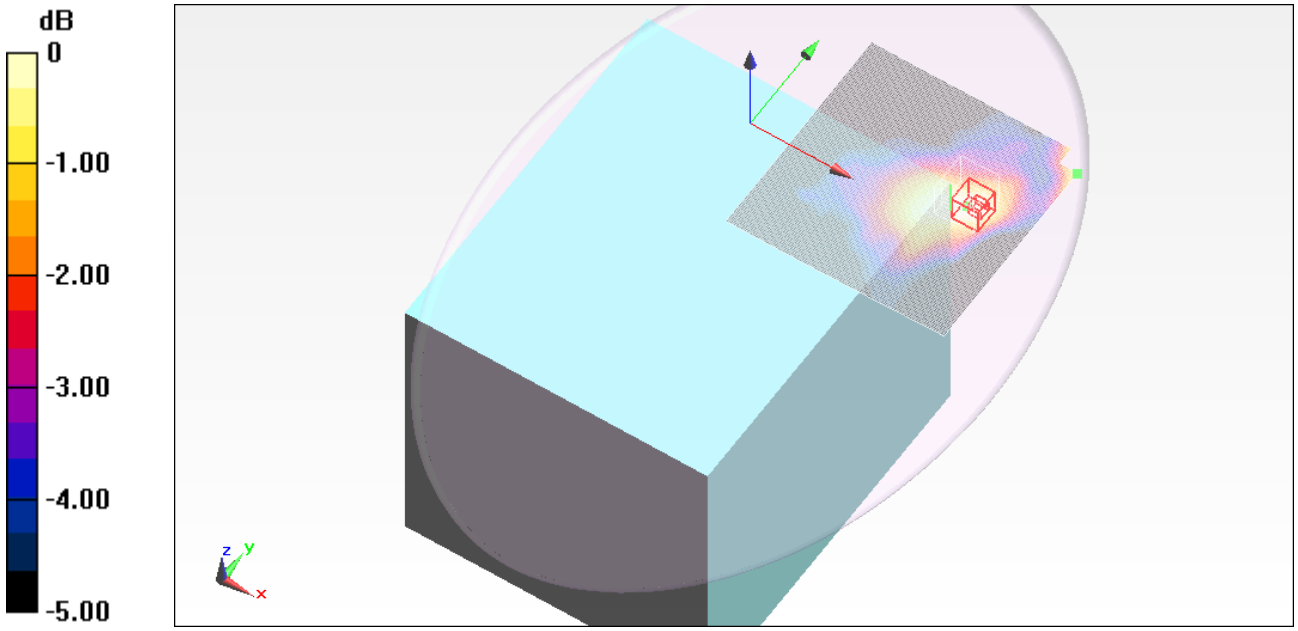
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1119
- Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.6.4 (4989)

LTE Band 13 10MHz Middle Channel/QPSK_Mid_Ch_RBs#25_RBo#12/Area Scan (121x121x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.00999 mW/g

LTE Band 13 10MHz Middle Channel/QPSK_Mid_Ch_RBs#25_RBo#12/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.147 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.0270
SAR(1 g) = 0.0086 mW/g; SAR(10 g) = 0.00424 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.00953 mW/g



0 dB = 0.0095mW/g = -40.45 dB mW/g

Lapheld

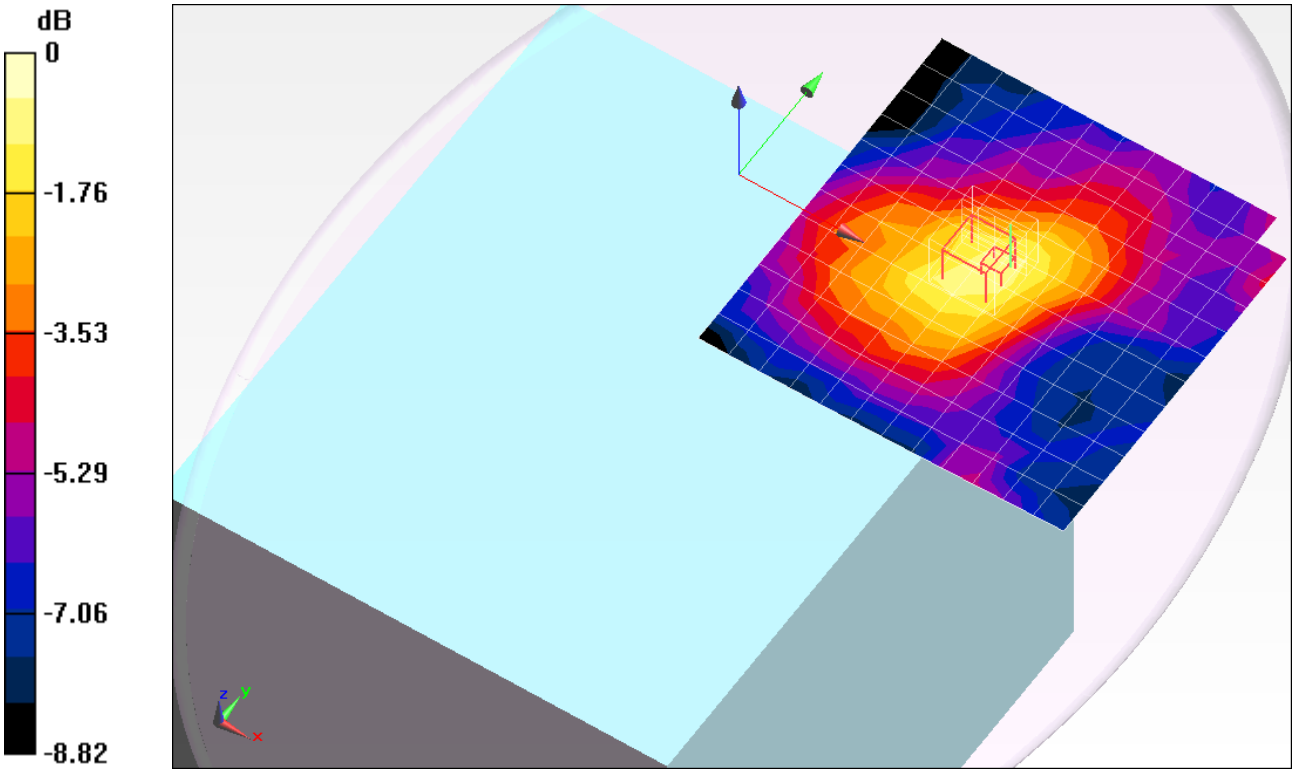
Frequency: 782 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 782 MHz; σ = 0.993 mho/m; ε_r = 54.445; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Probe: EX3DV4 - SN3773; ConvF(8.74, 8.74, 8.74); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1119

Lap Held/16QAM_10MHz_RB1_RB0_Mid-Ch/Area Scan (13x13x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.017 mW/g

Lap Held/16QAM_10MHz_RB1_RB0_Mid-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.219 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.0200
SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.011 mW/g
Info: Interpolated medium parameters used for SAR evaluation.



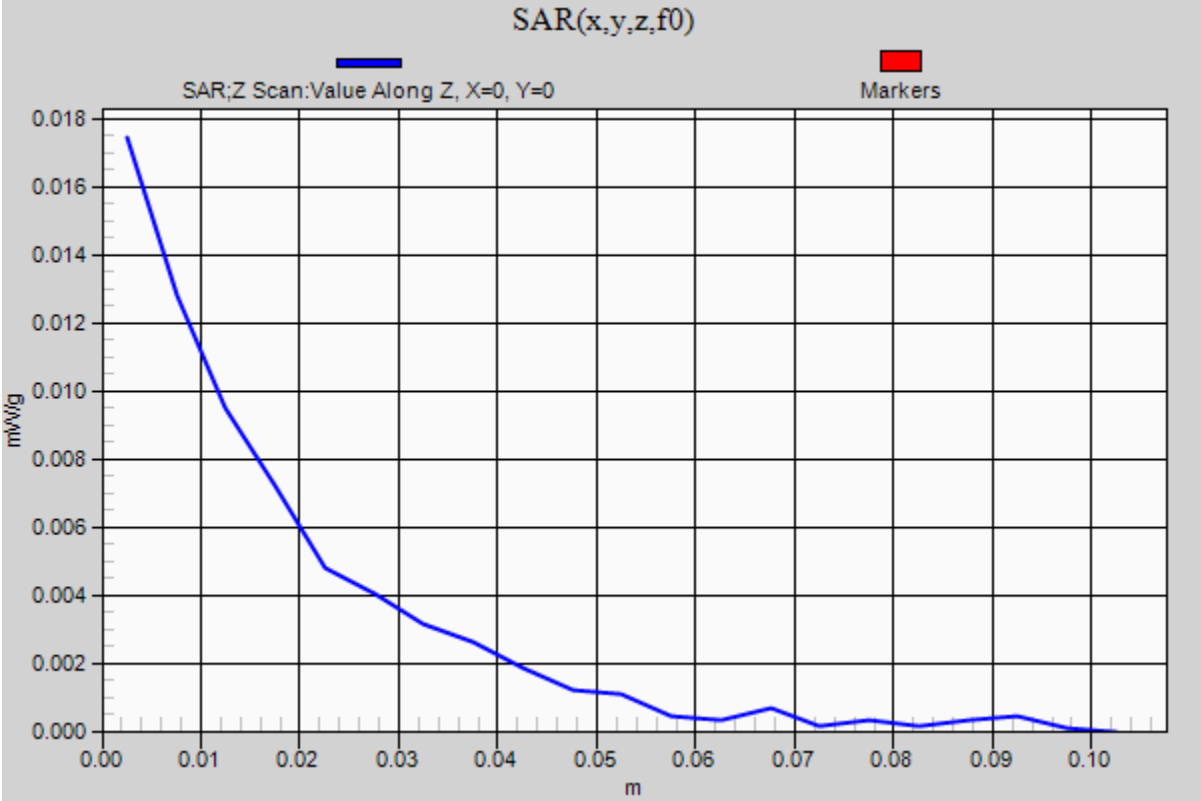
0 dB = 0.020mW/g = -33.98 dB mW/g

Test Laboratory: UL CCS SAR Lab A Date: 2/10/2012

Lapheld

Frequency: 782 MHz; Duty Cycle: 1:1

Lap Held/16QAM_10MHz_RB1_RB0_Mid-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) = 0.017 mW/g



Lapheld

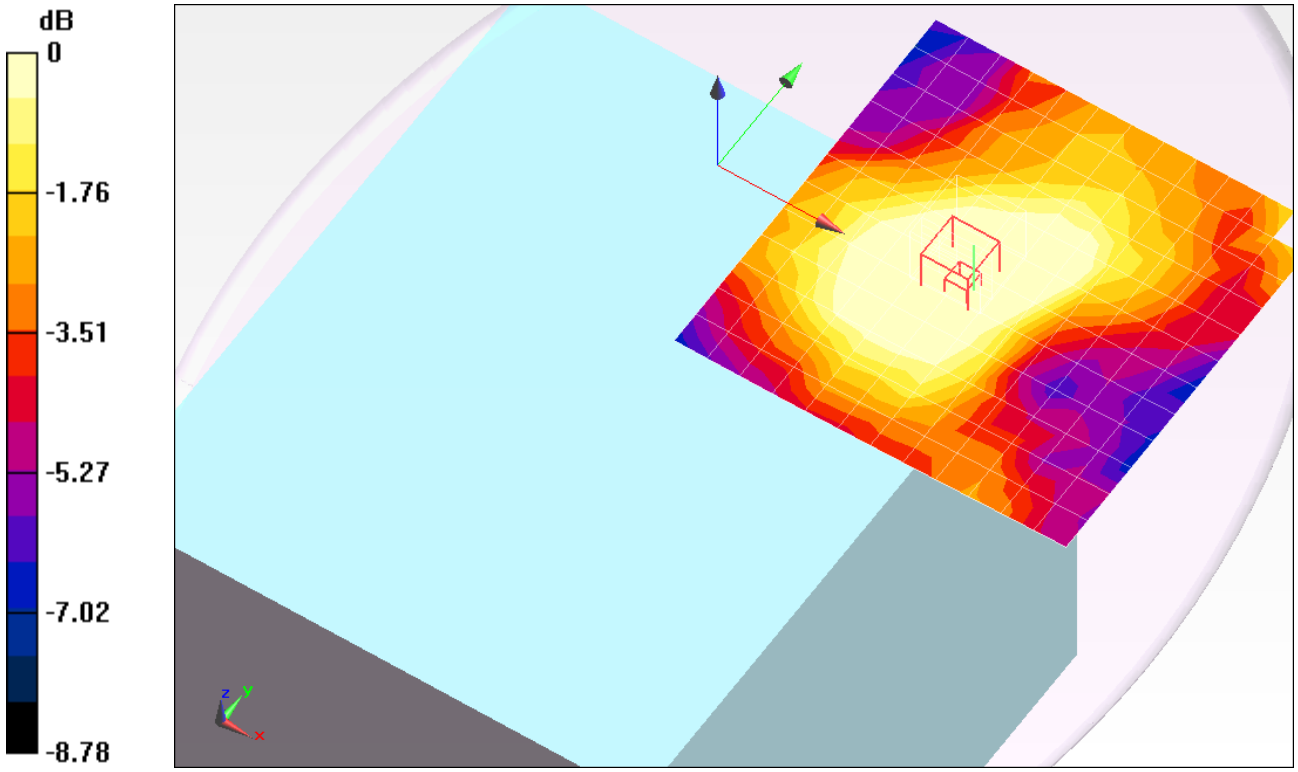
Frequency: 782 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 782 MHz; σ = 0.993 mho/m; ε_r = 54.445; ρ = 1000 kg/m^3
DASY5 Configuration:
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Probe: EX3DV4 - SN3773; ConvF(8.74, 8.74, 8.74); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1119

Lap Held/16QAM_10MHz_RB1_RB49_Mid-Ch/Area Scan (13x13x1): Measurement grid:

dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.015 mW/g

Lap Held/16QAM_10MHz_RB1_RB49_Mid-Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.805 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.0160
SAR(1 g) = 0.013 mW/g; SAR(10 g) = 0.00937 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.014 mW/g



Date: 10/20/2011

Test Laboratory: UL CCS SAR Lab A

LapHeld

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 782 MHz; σ = 1.017 mho/m; ε_r = 54.567; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

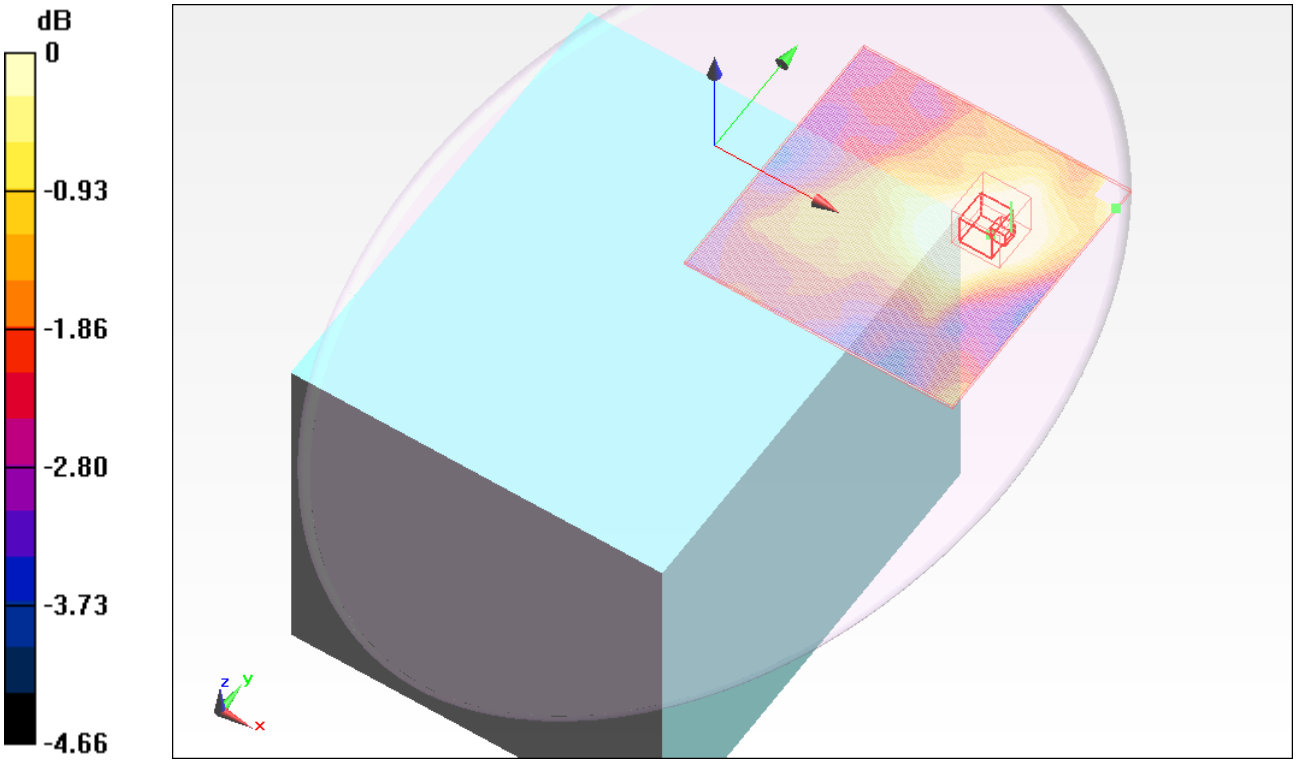
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

LTE Band 13 10MHz Middle Channel/16QAM_RBs#25_RBo#12/Area Scan (121x121x1):

Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.013 mW/g

LTE Band 13 10MHz Middle Channel/16QAM_RBs#25_RBo#12/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.411 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.014 W/kg
SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.00911 mW/g
Maximum value of SAR (measured) = 0.012 mW/g



0 dB = 0.010mW/g