Test Laboratory: UL CCS SAR Lab A

Lap held

Communication System: IEEE 802.16e WiMAX, 10MHz; Frequency: 2593 MHz; Duty Cycle: 1:4.00037
Medium parameters used (interpolated): f = 2593 MHz; σ = 2.185 mho/m; ε_r = 52.514; 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(6.78, 6.78, 6.78); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI v4.0(A); Type: QDOVA001BB; Serial: 1119
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

10MHz_Ant Main/16QAM_Mid Ch/Area Scan (121x111x1): Measurement grid: dx=15mm, dy=15mm
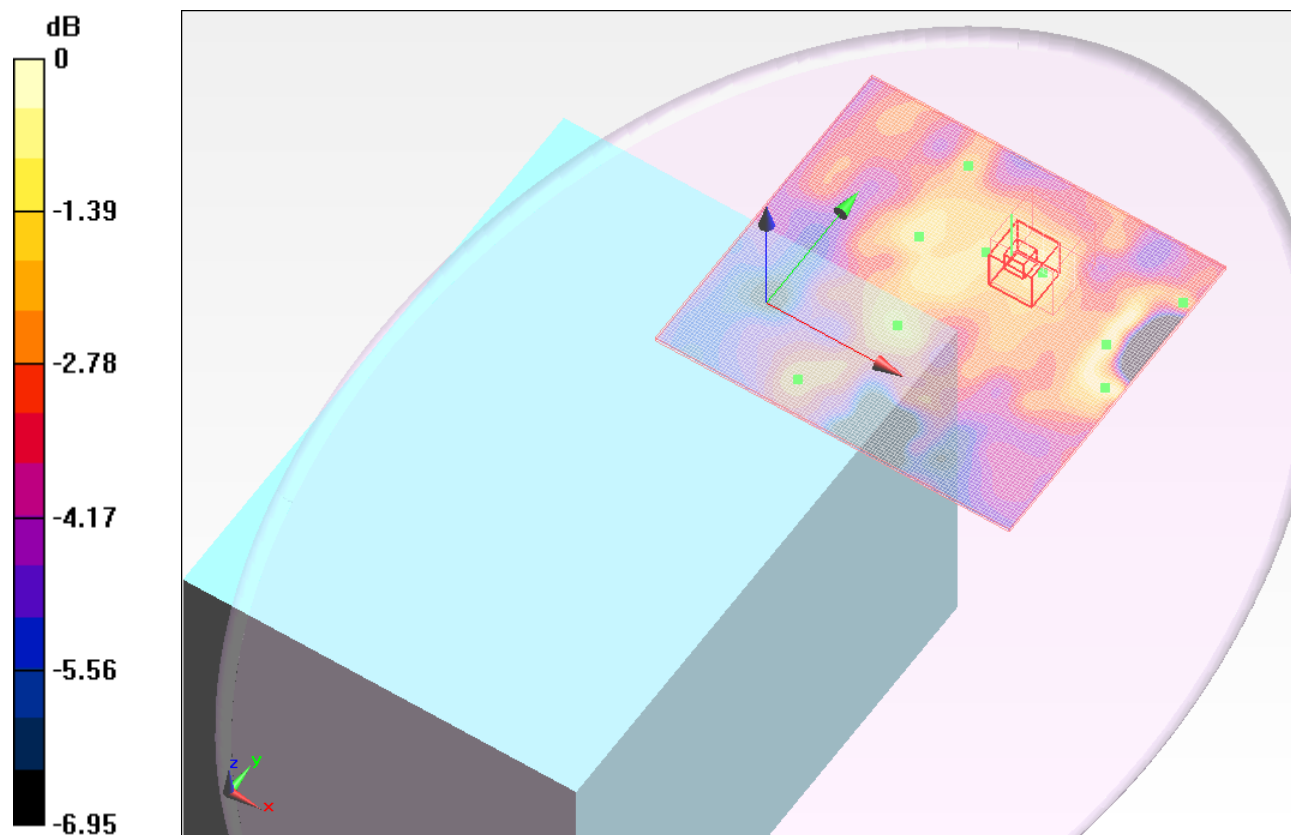Maximum value of SAR (interpolated) = 0.00826 mW/g

10MHz_Ant Main/16QAM_Mid Ch/Zoom Scan 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm,
dy=8mm, dz=5mm
Reference Value = 1.821 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.017 W/kg
SAR(1 g) = 0.00672 mW/g; SAR(10 g) = 0.0048 mW/g
Maximum value of SAR (measured) = 0.00962 mW/g

0 dB = 0.0089mW/g

Test Laboratory: UL CCS SAR Lab A

Lap held

Communication System: IEEE 802.16e WiMAX, 10MHz; Frequency: 2593 MHz; Duty Cycle: 1:4.00037
Medium parameters used (interpolated): f = 2593 MHz; σ = 2.185 mho/m; $ε_r$ = 52.514; 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(6.78, 6.78, 6.78); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI v4.0(A); Type: QDOVA001BB; Serial: 1119
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

10MHz_Ant Main/QPSK_Mid Ch/Area Scan (121x111x1): Measurement grid: dx=15mm, dy=15mm
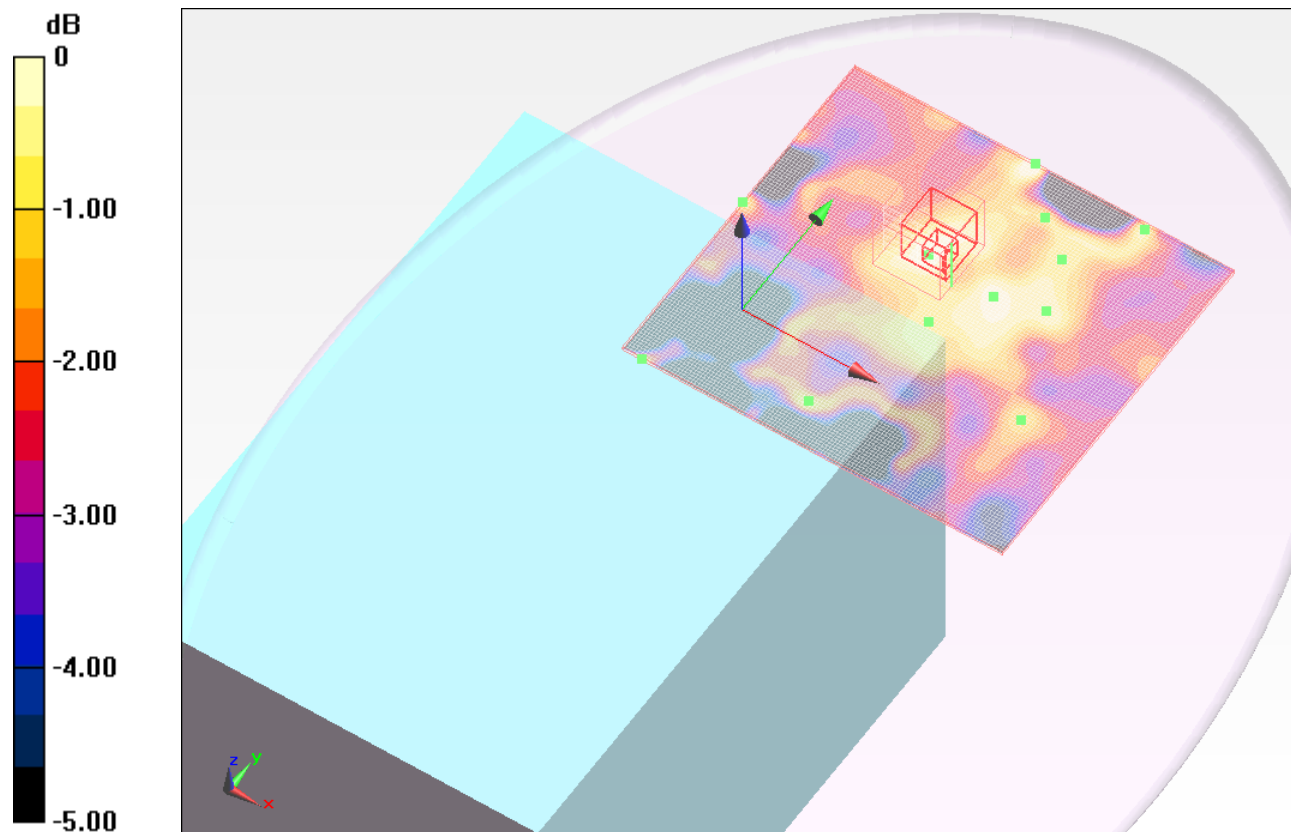Maximum value of SAR (interpolated) = 0.012 mW/g

10MHz_Ant Main/QPSK_Mid Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.801 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.031 W/kg
SAR(1 g) = 0.00663 mW/g; SAR(10 g) = 0.00275 mW/g
Maximum value of SAR (measured) = 0.011 mW/g

0 dB = 0.010mW/g

Test Laboratory: UL CCS SAR Lab A

Lap held

Communication System: IEEE 802.16e WiMAX, 5MHz; Frequency: 2593 MHz; Duty Cycle: 1:3.20037
Medium parameters used (interpolated): f = 2593 MHz; σ = 2.185 mho/m; $ε_r$ = 52.514; 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(6.78, 6.78, 6.78); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm
(Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI v4.0(A); Type: QDOVA001BB; Serial: 1119
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

5MHz_Ant Main/16QAM_Mid Ch/Area Scan (121x111x1): Measurement grid: dx=15mm, dy=15mm
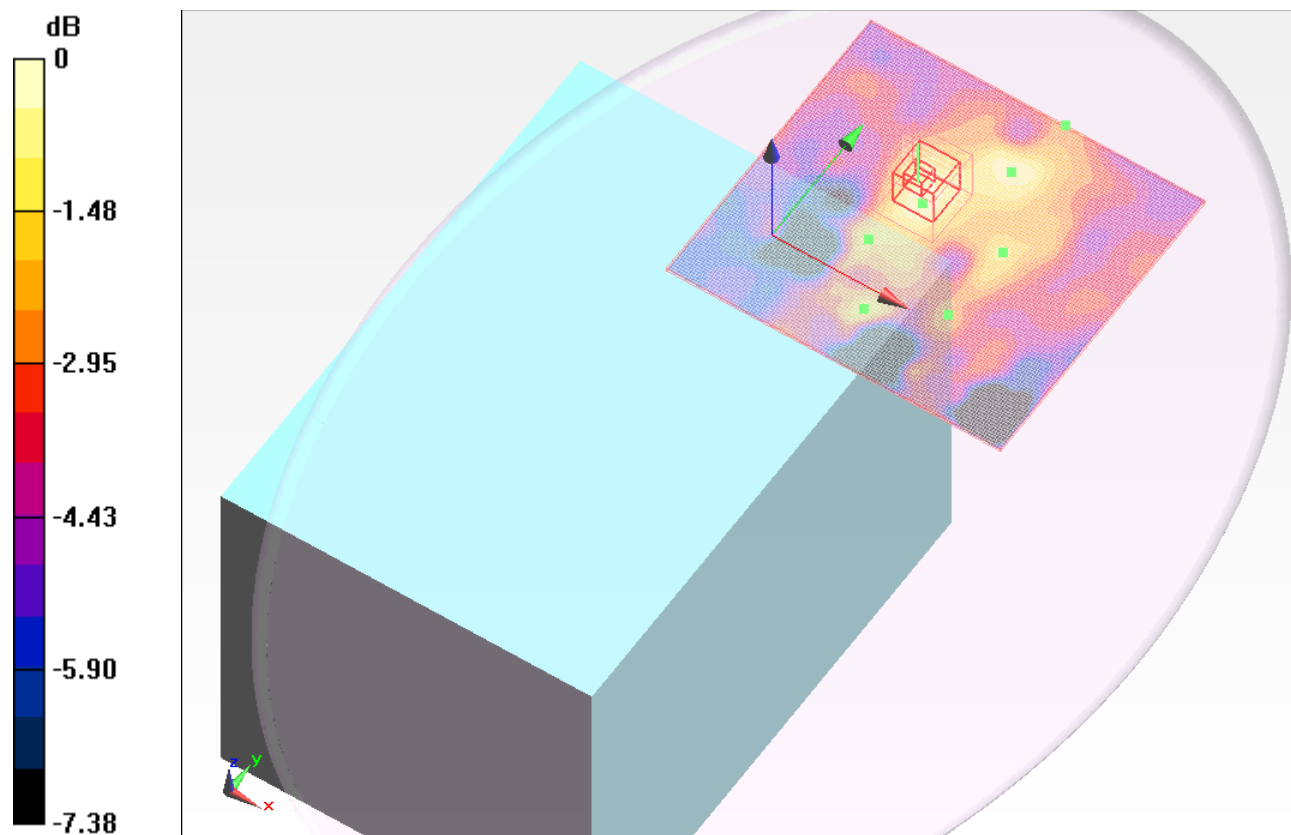Maximum value of SAR (interpolated) = 0.00868 mW/g

5MHz_Ant Main/16QAM_Mid Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm,
dz=5mm
Reference Value = 1.823 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.018 W/kg
SAR(1 g) = 0.0078 mW/g; SAR(10 g) = 0.00515 mW/g
Maximum value of SAR (measured) = 0.011 mW/g

0 dB = 0.010mW/g

Test Laboratory: UL CCS SAR Lab A

Lap held

Communication System: IEEE 802.16e WiMAX, 5MHz; Frequency: 2593 MHz; Duty Cycle: 1:3.20037
Medium parameters used (interpolated): f = 2593 MHz; σ = 2.185 mho/m; $ε_r$ = 52.514; 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(6.78, 6.78, 6.78); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI v4.0(A); Type: QDOVA001BB; Serial: 1119
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

5MHz_Ant Main/QPSK_Mid Ch/Area Scan (121x111x1): Measurement grid: dx=15mm, dy=15mm
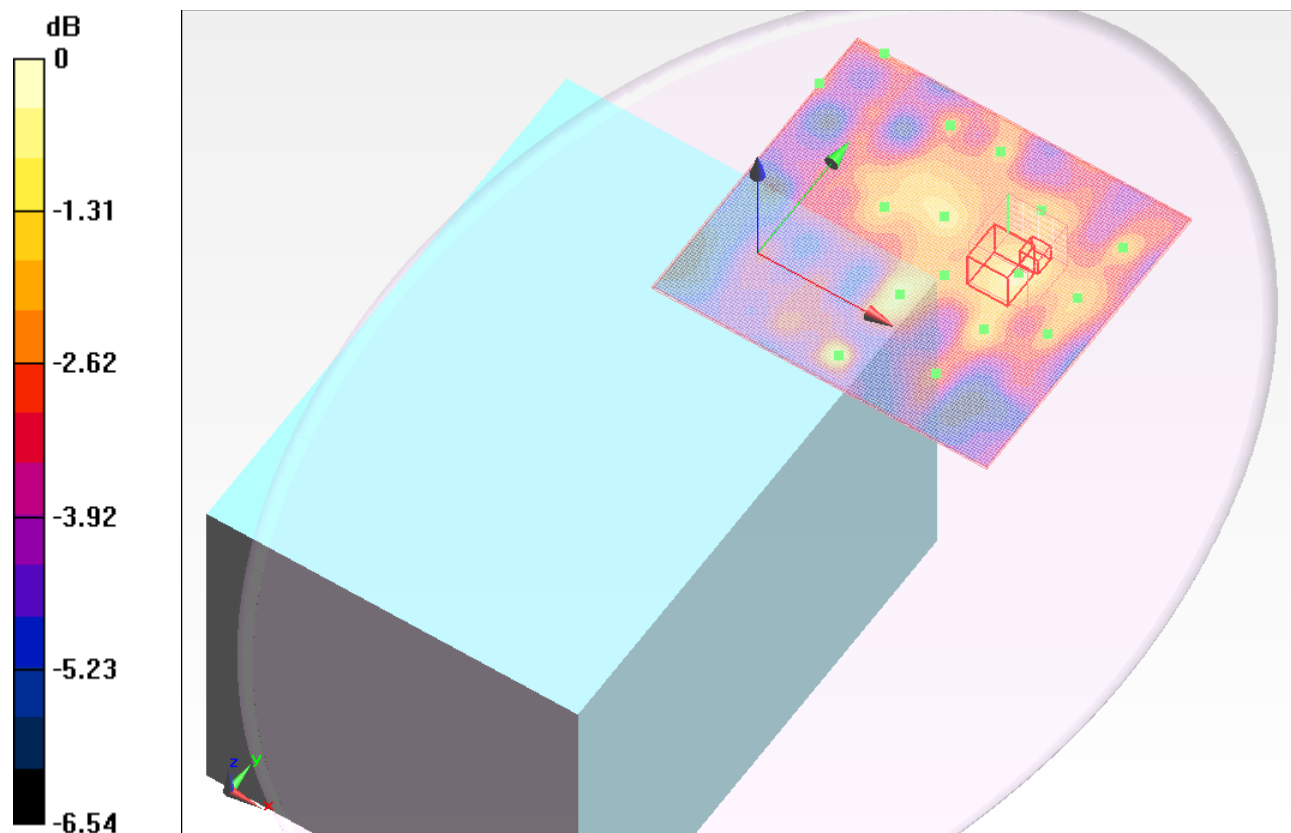Maximum value of SAR (interpolated) = 0.00772 mW/g

5MHz_Ant Main/QPSK_Mid Ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.660 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.018 W/kg
SAR(1 g) = 0.00605 mW/g; SAR(10 g) = 0.00444 mW/g
Maximum value of SAR (measured) = 0.00915 mW/g

0 dB = 0.0091mW/g

Test Laboratory: UL CCS SAR Lab A

Lap held

Communication System: IEEE 802.16e WiMAX, 10MHz; Frequency: 2593 MHz; Duty Cycle: 1:4.00037
Medium parameters used (interpolated): f = 2593 MHz; σ = 2.185 mho/m; ε_r = 52.514; 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(6.78, 6.78, 6.78); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm
(Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI v4.0(A); Type: QDOVA001BB; Serial: 1119
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

10MHz_Ant Aux/16QAM_Mid ch/Area Scan (101x111x1): Measurement grid: dx=15mm, dy=15mm
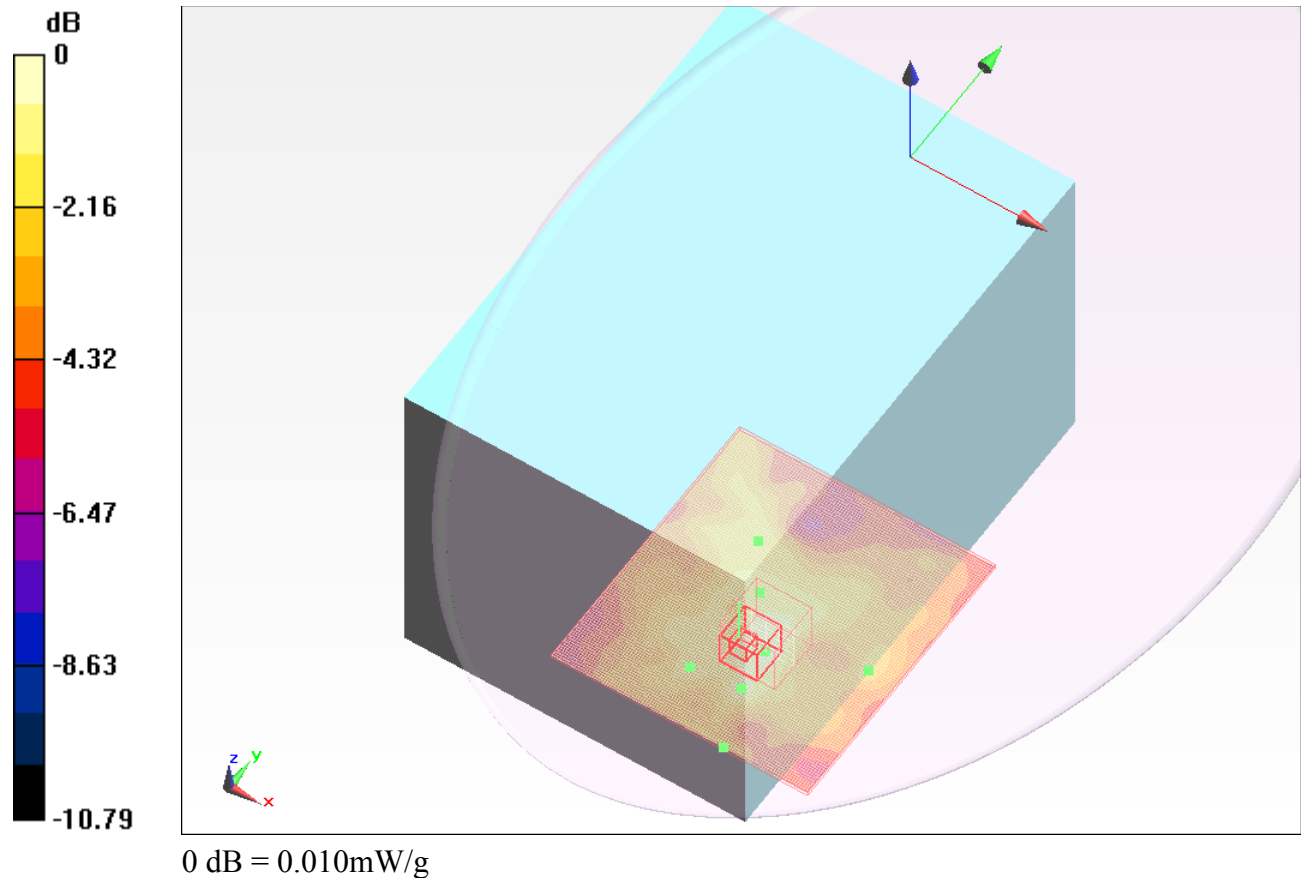Maximum value of SAR (interpolated) = 0.00876 mW/g

10MHz_Ant Aux/16QAM_Mid ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm,
dz=5mm
Reference Value = 1.949 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.018 W/kg
SAR(1 g) = 0.00767 mW/g; SAR(10 g) = 0.00531 mW/g
Maximum value of SAR (measured) = 0.011 mW/g

0 dB = 0.010mW/g

Test Laboratory: UL CCS SAR Lab A

Lap held

Communication System: IEEE 802.16e WiMAX, 10MHz; Frequency: 2593 MHz; Duty Cycle: 1:4.00037
Medium parameters used (interpolated): f = 2593 MHz; σ = 2.185 mho/m; ε_r = 52.514; 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(6.78, 6.78, 6.78); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm
(Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI v4.0(A); Type: QDOVA001BB; Serial: 1119
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

10MHz_Ant Aux/QPSK_Mid ch/Area Scan (101x111x1): Measurement grid: dx=15mm, dy=15mm
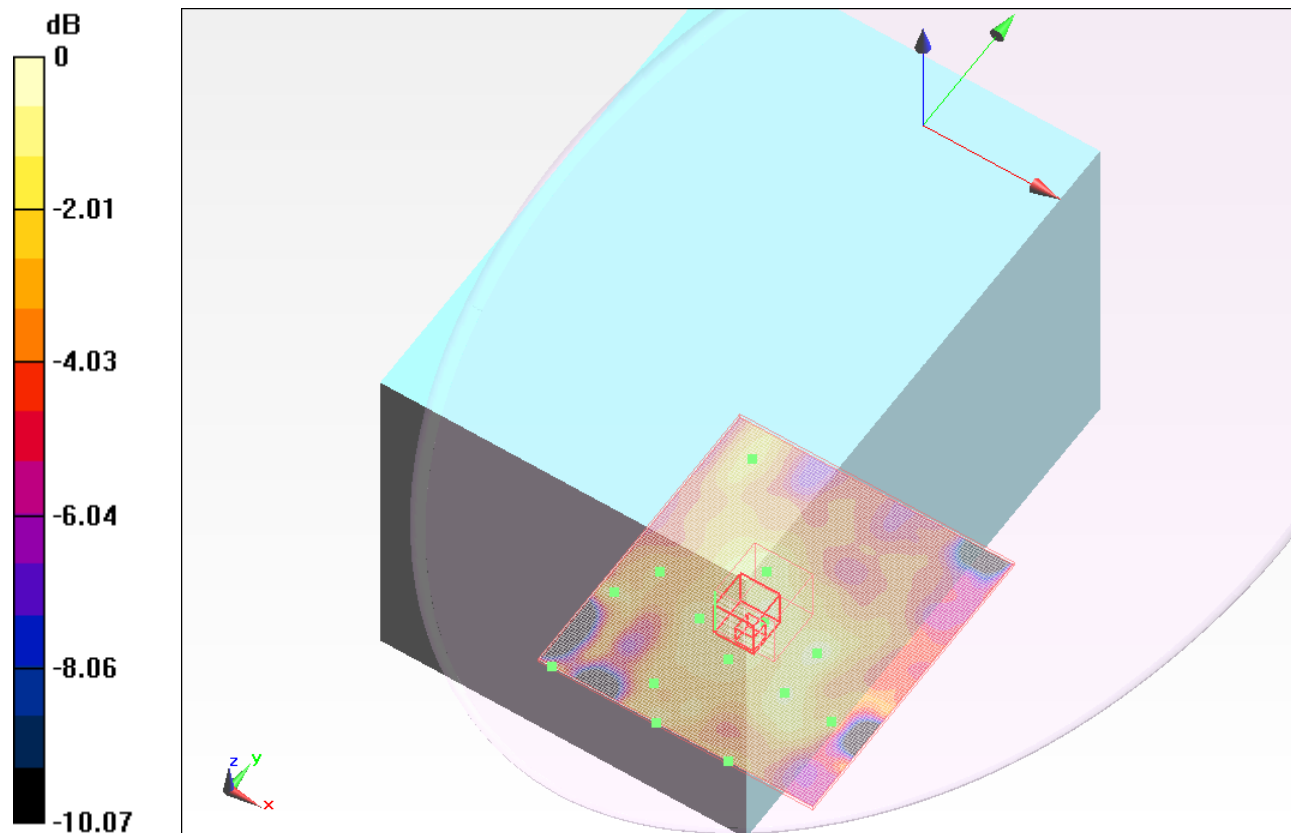Maximum value of SAR (interpolated) = 0.00818 mW/g

10MHz_Ant Aux/QPSK_Mid ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm,
dz=5mm
Reference Value = 1.600 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.019 W/kg
SAR(1 g) = 0.00723 mW/g; SAR(10 g) = 0.00499 mW/g
Maximum value of SAR (measured) = 0.010 mW/g

0 dB = 0.010mW/g

Test Laboratory: UL CCS SAR Lab A

Lap held

Communication System: IEEE 802.16e WiMAX, 5MHz; Frequency: 2593 MHz;Duty Cycle: 1:3.20037
Medium parameters used (interpolated): f = 2593 MHz; σ = 2.185 mho/m; ε_r = 52.514; 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(6.78, 6.78, 6.78); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI v4.0(A); Type: QDOVA001BB; Serial: 1119
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

5MHz_Ant Aux/16QAM_Mid ch/Area Scan (101x111x1): Measurement grid: dx=15mm, dy=15mm
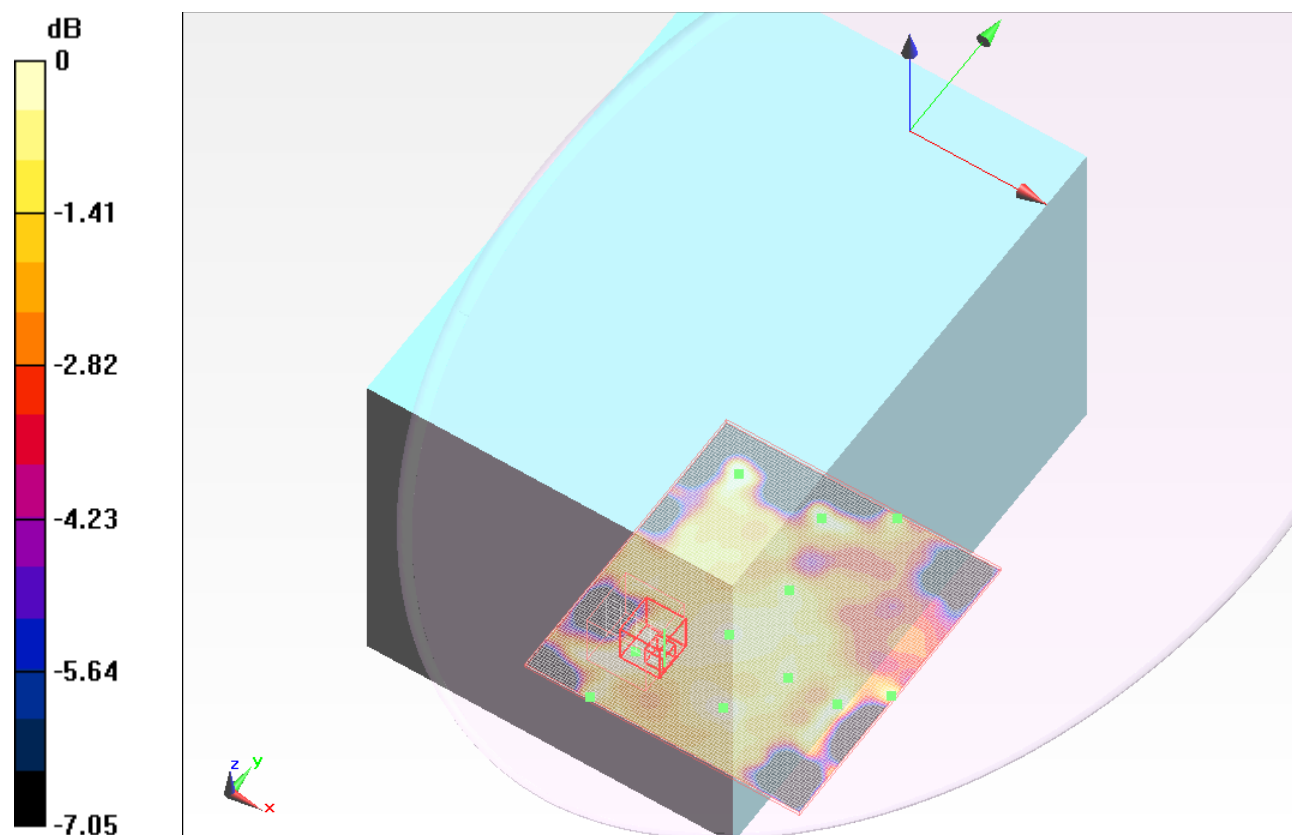Maximum value of SAR (interpolated) = 0.013 mW/g

5MHz_Ant Aux/16QAM_Mid ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.685 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.017 W/kg
SAR(1 g) = 0.0067 mW/g; SAR(10 g) = 0.00432 mW/g
Maximum value of SAR (measured) = 0.0097 mW/g

0 dB = 0.0097mW/g

Test Laboratory: UL CCS SAR Lab A

Lap held

Communication System: IEEE 802.16e WiMAX, 5MHz; Frequency: 2593 MHz;Duty Cycle: 1:3.20037
Medium parameters used (interpolated): f = 2593 MHz; σ = 2.185 mho/m; ε_r = 52.514; 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(6.78, 6.78, 6.78); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI v4.0(A); Type: QDOVA001BB; Serial: 1119
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

5MHz_Ant Aux/QPSK_Mid ch/Area Scan (101x111x1): Measurement grid: dx=15mm, dy=15mm
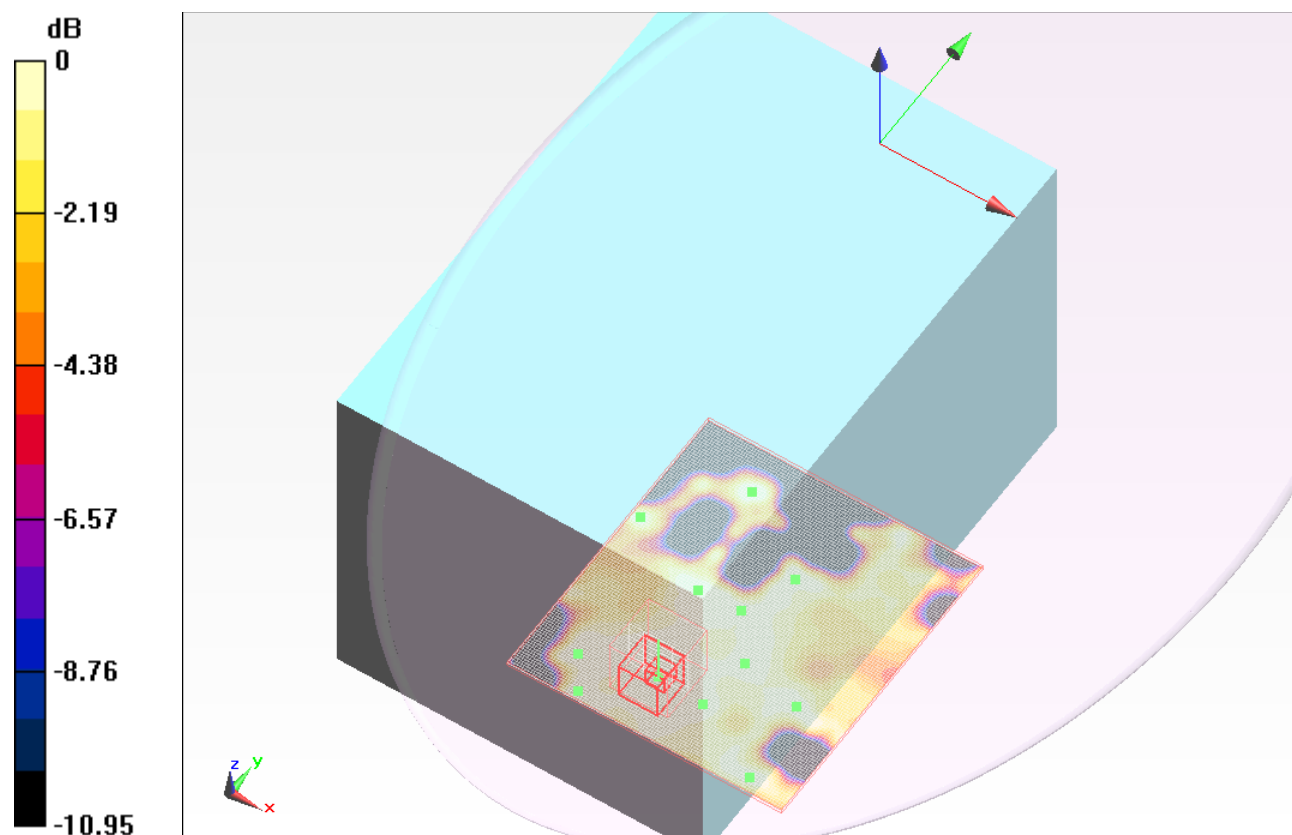Maximum value of SAR (interpolated) = 0.015 mW/g

5MHz_Ant Aux/QPSK_Mid ch/Zoom Scan 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.933 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.015 W/kg
SAR(1 g) = 0.00782 mW/g; SAR(10 g) = 0.00508 mW/g
Maximum value of SAR (measured) = 0.011 mW/g

0 dB = 0.010mW/g