

Test Laboratory: UL CCS SAR Lab B

008_Lap Held

Communication System: IEEE 802.16e WiMAX 5MHz; Frequency: 2593 MHz; Duty Cycle: 1:3.20037
 Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 2.185$ mho/m; $\epsilon_r = 51.441$; $\rho = 1000$ kg/m³
 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 - SN3772; ConvF(6.3, 6.3, 6.3); 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)

DQ64_56_UQ4_12_5M/Ant. Main/Area Scan (151x131x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.026 mW/g

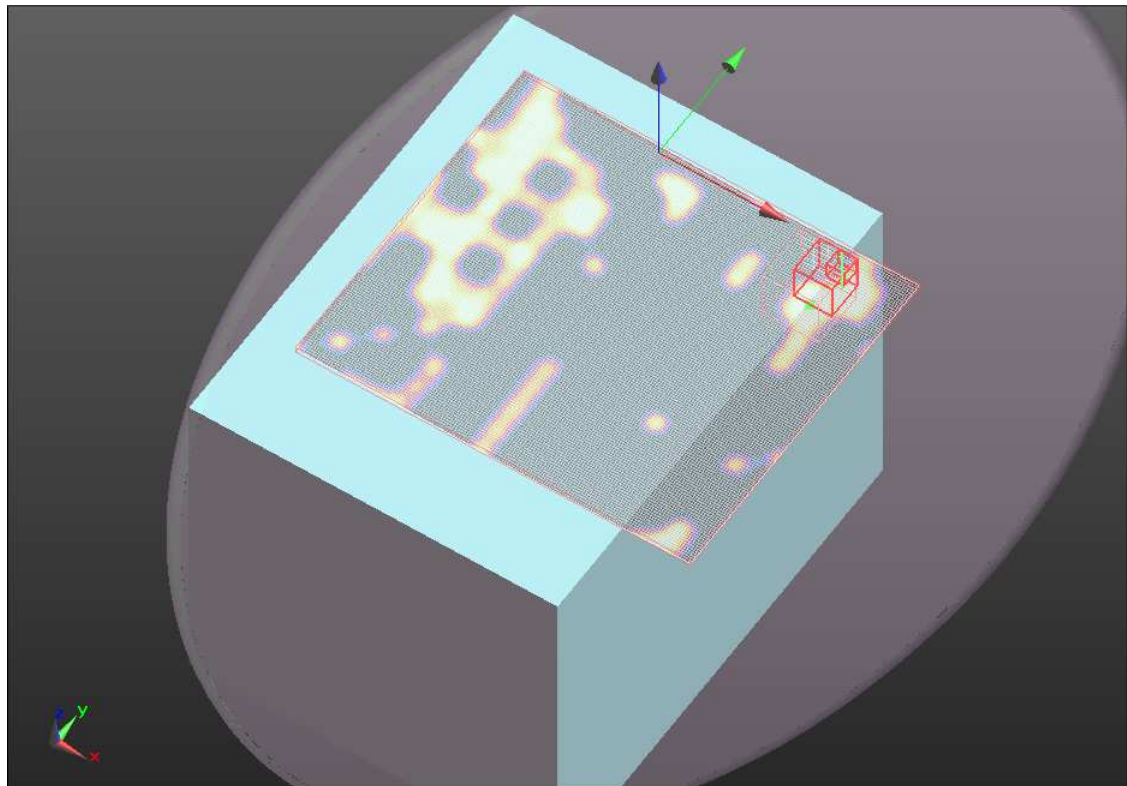
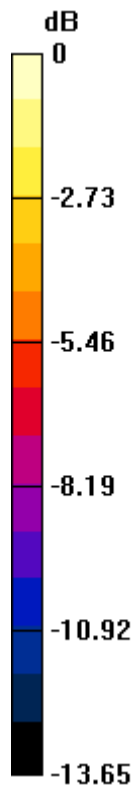
DQ64_56_UQ4_12_5M/Ant. Main/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.123 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.016 W/kg

SAR(1 g) = 0.0089 mW/g; SAR(10 g) = 0.00684 mW/g

Maximum value of SAR (measured) = 0.013 mW/g



0 dB = 0.010mW/g

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Communication System: IEEE 802.16e WiMAX 5MHz; Frequency: 2593 MHz; Duty Cycle: 1:3.20037
 Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 2.185$ mho/m; $\epsilon_r = 51.441$; $\rho = 1000$ kg/m³
 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 - SN3772; ConvF(6.3, 6.3, 6.3); 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)

DQ4_12_UQ16_34_5M/Ant. Main/Area Scan (151x131x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.281 mW/g

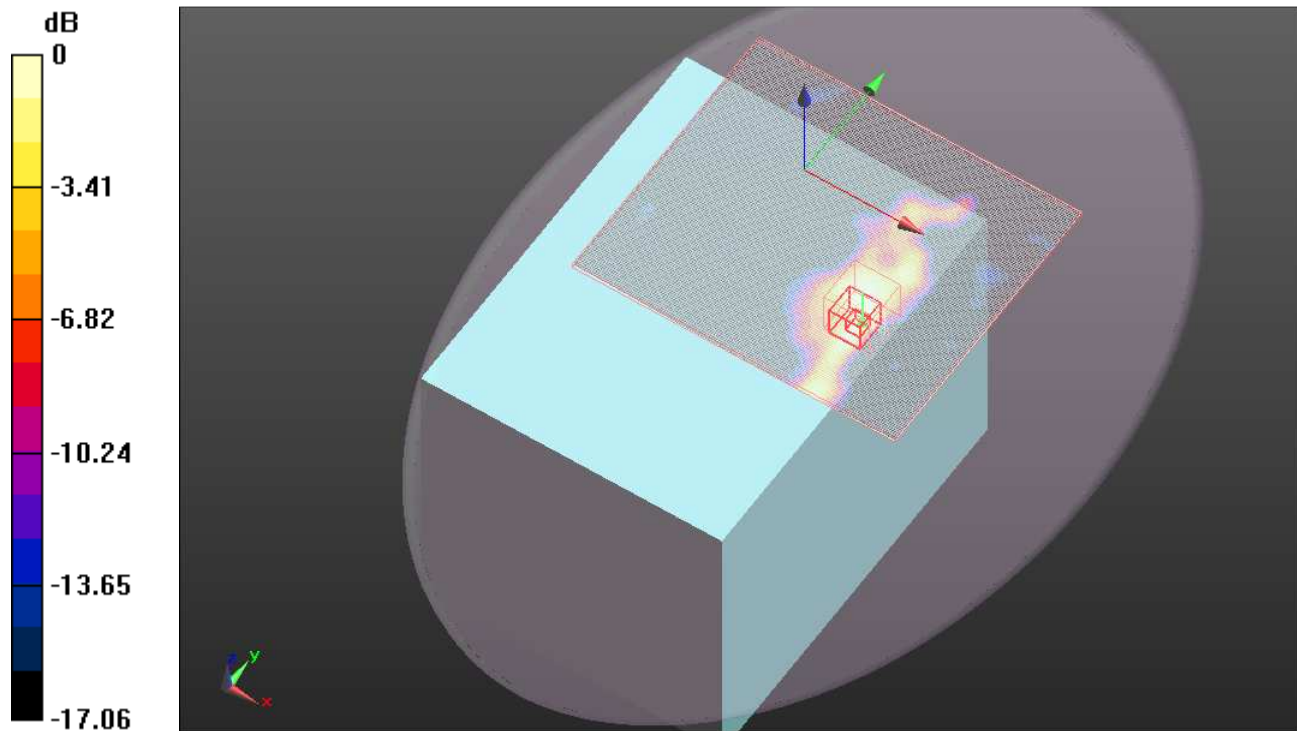
DQ4_12_UQ16_34_5M/Ant. Main/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.103 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.379 W/kg

SAR(1 g) = 0.183 mW/g; SAR(10 g) = 0.089 mW/g

Maximum value of SAR (measured) = 0.256 mW/g



0 dB = 0.260mW/g

Test Laboratory: UL CCS SAR Lab B

010_Lap Held

Communication System: IEEE 802.16e WiMAX 5MHz; Frequency: 2593 MHz; Duty Cycle: 1:3.20037
 Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 2.185$ mho/m; $\epsilon_r = 51.441$; $\rho = 1000$ kg/m³
 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 - SN3772; ConvF(6.3, 6.3, 6.3); 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)

DQ4_12_UQ64_56_5M/Ant. Main/Area Scan (151x131x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.260 mW/g

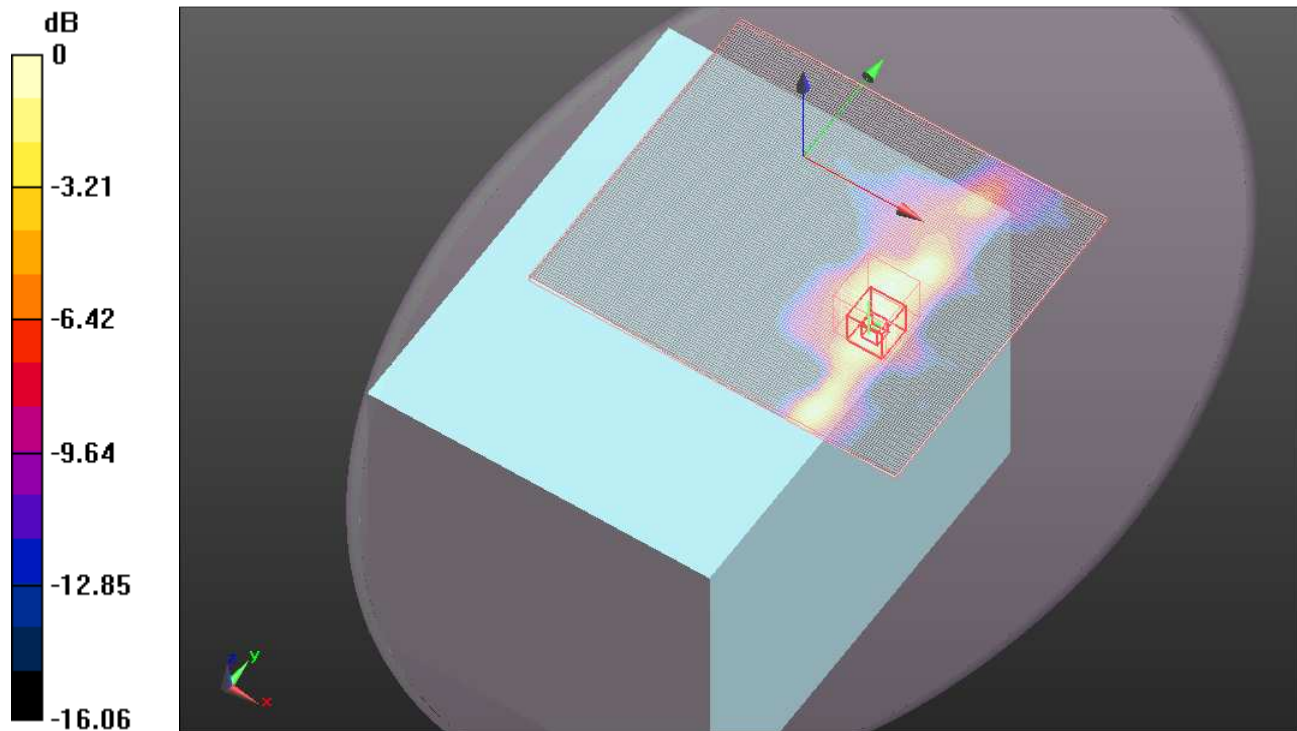
DQ4_12_UQ64_56_5M/Ant. Main/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.031 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.414 W/kg

SAR(1 g) = 0.183 mW/g; SAR(10 g) = 0.085 mW/g

Maximum value of SAR (measured) = 0.277 mW/g



0 dB = 0.280mW/g

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 Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 2.185$ mho/m; $\epsilon_r = 51.441$; $\rho = 1000$ kg/m³
 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 - SN3772; ConvF(6.3, 6.3, 6.3); 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)

DQ64_56_UQ4_12_5M/Ant. Aux/Area Scan (181x211x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.0053 mW/g

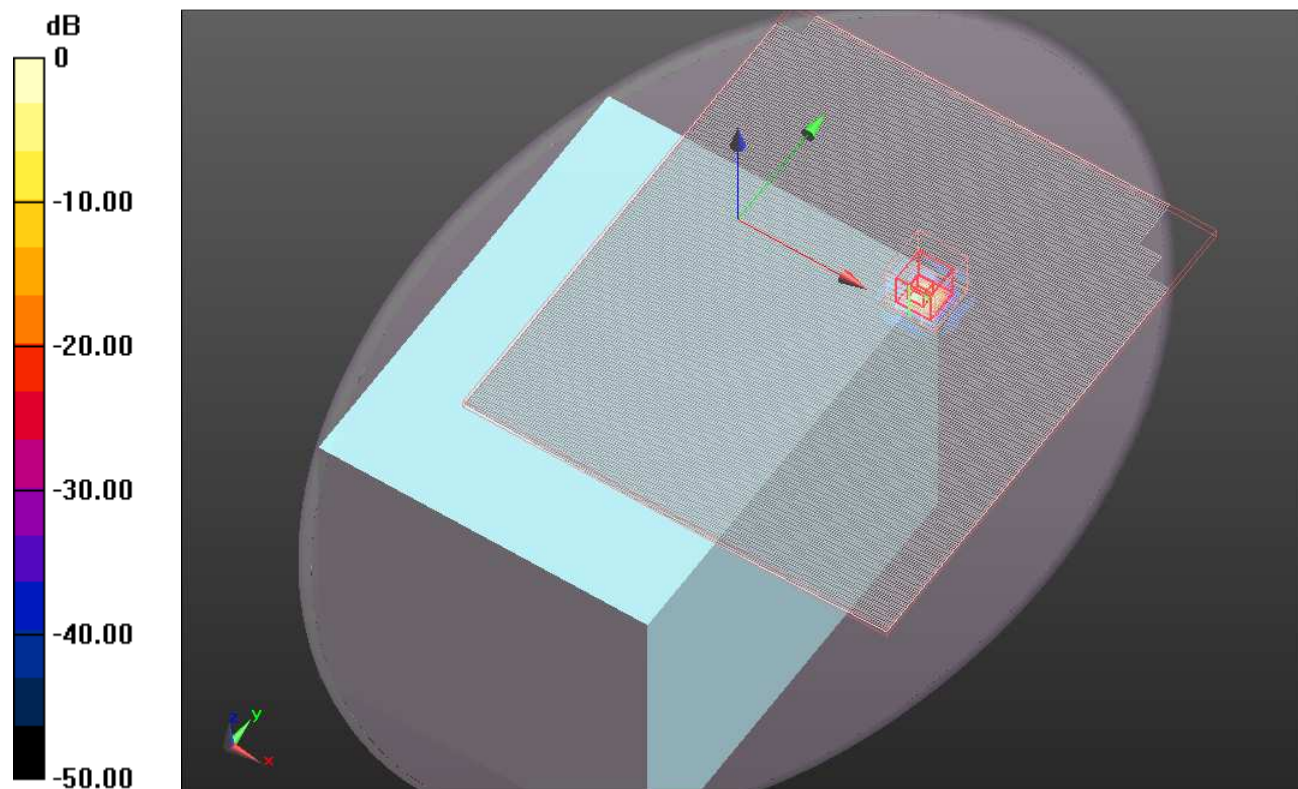
DQ64_56_UQ4_12_5M/Ant. Aux/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.856 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.016 W/kg

SAR(1 g) = 0.012 mW/g; SAR(10 g) = 0.00409 mW/g

Maximum value of SAR (measured) = 0.014 mW/g



0 dB = 0.010mW/g

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Communication System: IEEE 802.16e WiMAX 5MHz; Frequency: 2593 MHz; Duty Cycle: 1:3.20037
 Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 2.185$ mho/m; $\epsilon_r = 51.441$; $\rho = 1000$ kg/m³
 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 - SN3772; ConvF(6.3, 6.3, 6.3); 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)

DQ4_12_UQ16_34_5M/Ant. Aux/Area Scan (131x141x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.471 mW/g

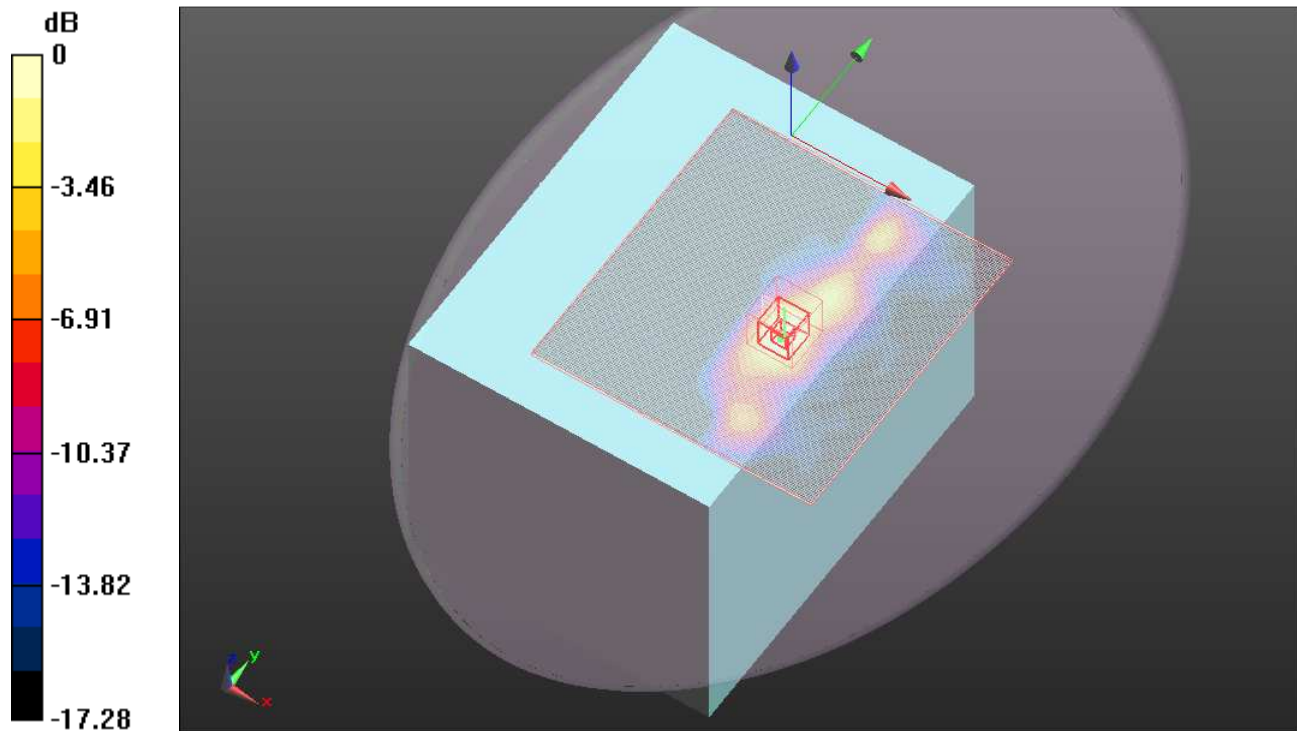
DQ4_12_UQ16_34_5M/Ant. Aux/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.375 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.726 W/kg

SAR(1 g) = 0.345 mW/g; SAR(10 g) = 0.172 mW/g

Maximum value of SAR (measured) = 0.485 mW/g

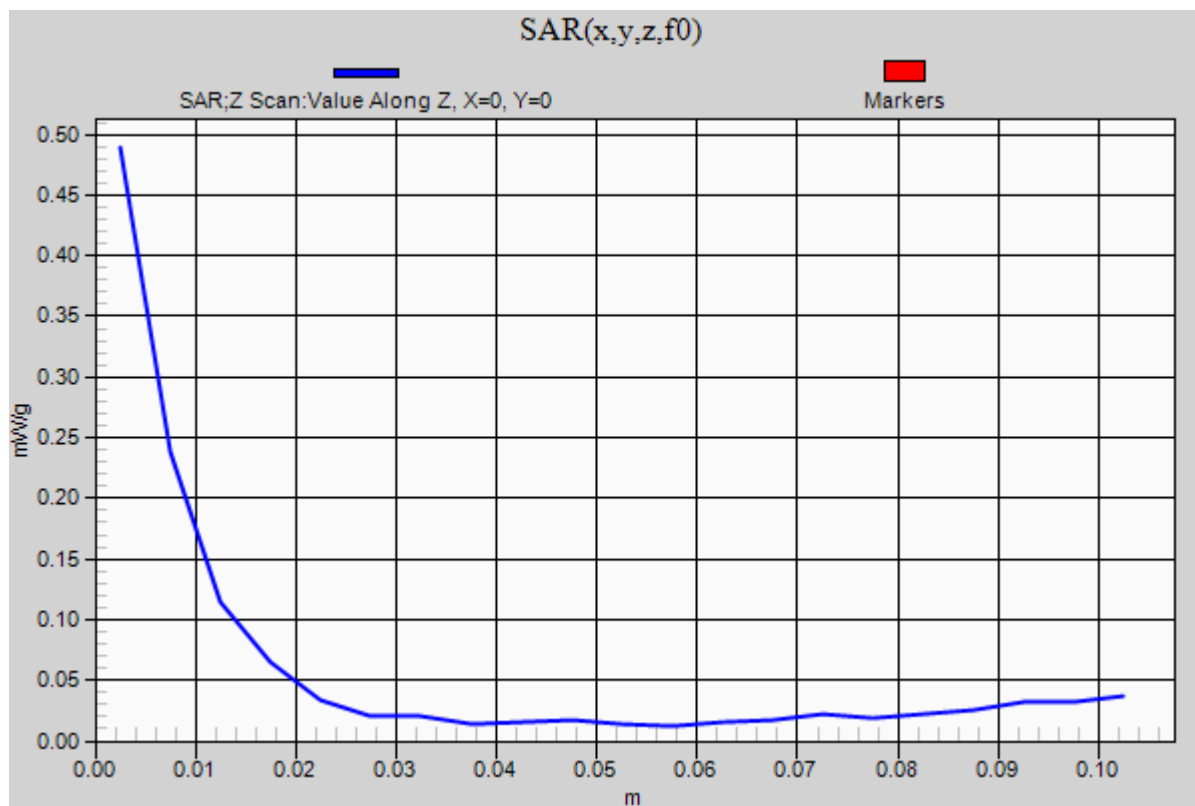


0 dB = 0.490mW/g

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009_Lap Held

Communication System: IEEE 802.16e WiMAX 5MHz; Frequency: 2593 MHz; Duty Cycle: 1:3.20037

DQ4_12_UQ16_34_5M/Ant. Aux/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.489 mW/g

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010_Lap Held

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 Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 2.185$ mho/m; $\epsilon_r = 51.441$; $\rho = 1000$ kg/m³
 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 - SN3772; ConvF(6.3, 6.3, 6.3); 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)

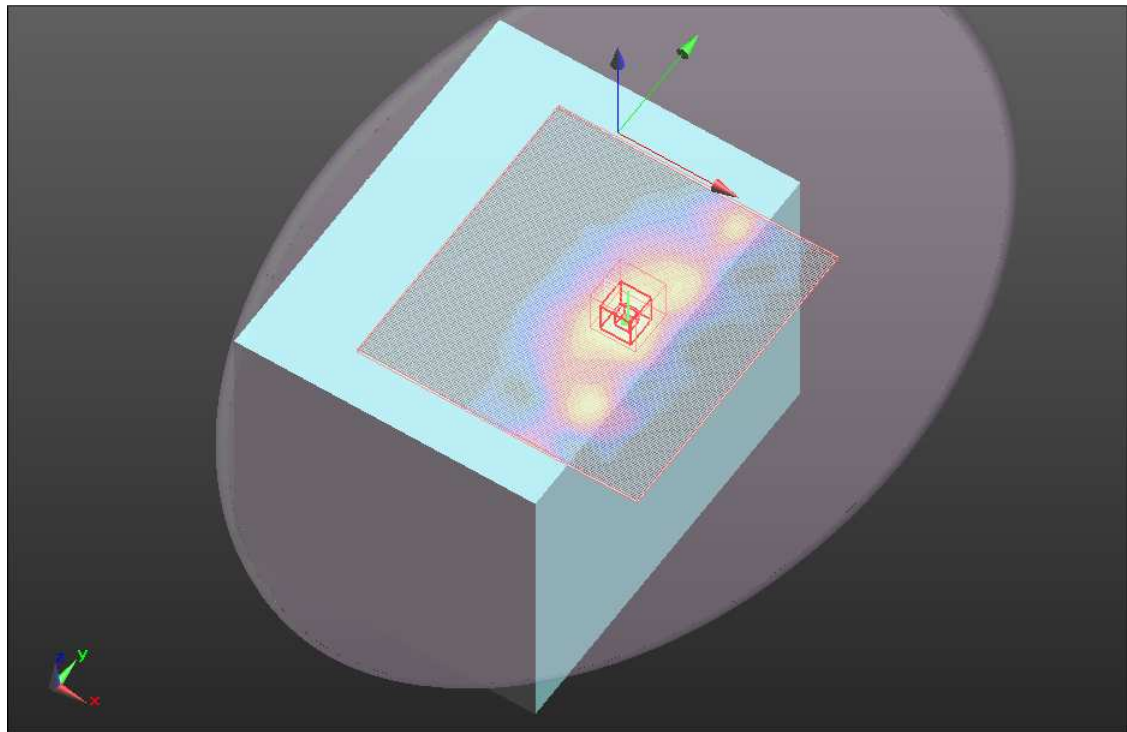
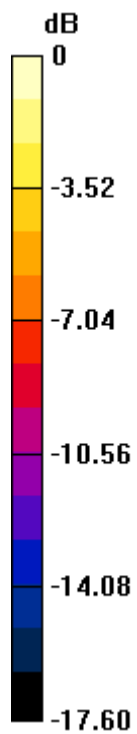
DQ4_12_UQ64_56_5M/Ant. Aux/Area Scan (131x141x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.397 mW/g

DQ4_12_UQ64_56_5M/Ant. Aux/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.286 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.590 W/kg

SAR(1 g) = 0.280 mW/g; SAR(10 g) = 0.142 mW/g



0 dB = 0.400mW/g

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011_Lap Held

Communication System: IEEE 802.16e WiMAX 10MHz; Frequency: 2593 MHz; Duty Cycle: 1:4.00037
 Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 2.209$ mho/m; $\epsilon_r = 50.504$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

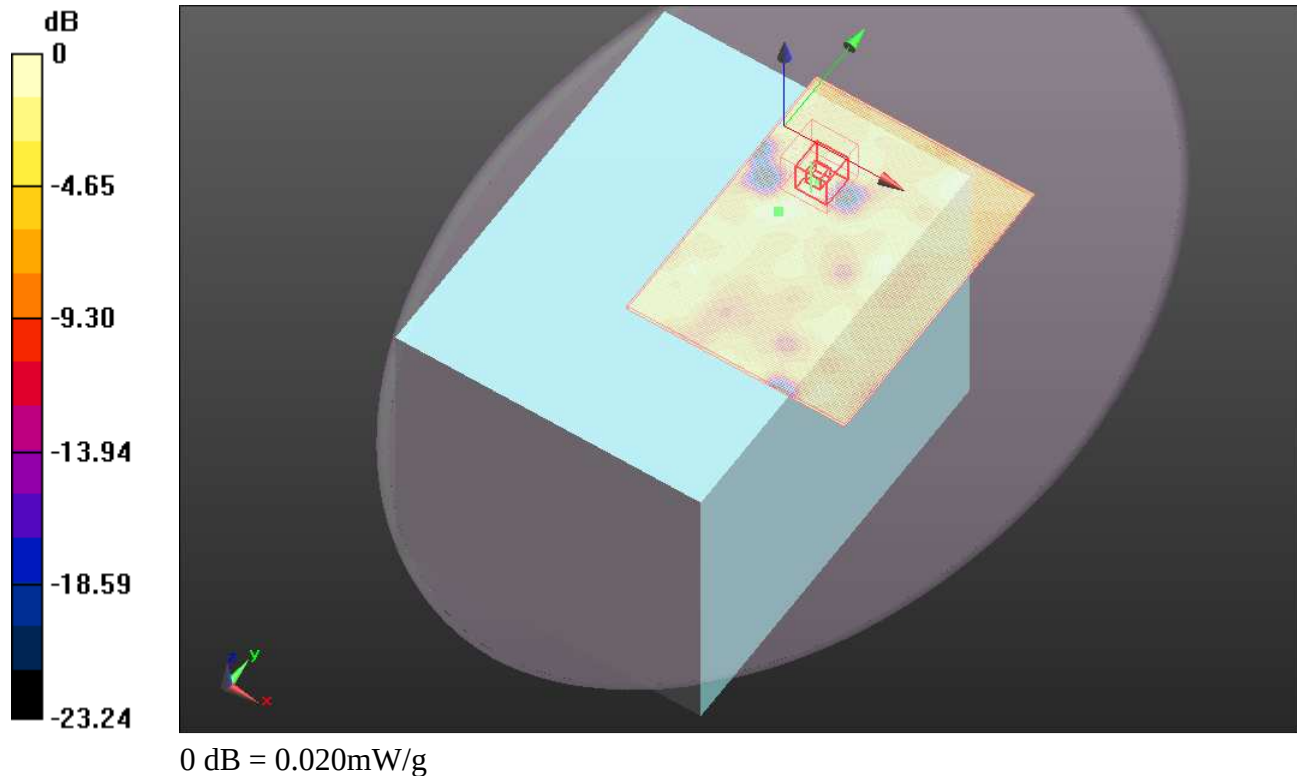
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

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 - SN3772; ConvF(6.3, 6.3, 6.3); 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: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

DQ64_UQ4_12_21S_10M/Ant. Main/Area Scan 2 2 2 (101x131x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.015 mW/g

DQ64_UQ4_12_21S_10M/Ant. Main/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
 Reference Value = 1.599 V/m; Power Drift = 0.14 dB
 Peak SAR (extrapolated) = 0.019 W/kg
SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.011 mW/g
 Maximum value of SAR (measured) = 0.019 mW/g



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012_Lap Held

Communication System: IEEE 802.16e WiMAX 10MHz; Frequency: 2593 MHz; Duty Cycle: 1:4.00037
 Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 2.209$ mho/m; $\epsilon_r = 50.504$; $\rho = 1000$ kg/m³
 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 - SN3772; ConvF(6.3, 6.3, 6.3); 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)

DQ4_12_UQ16_34_10M/Ant. Main/Area Scan (101x131x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.295 mW/g

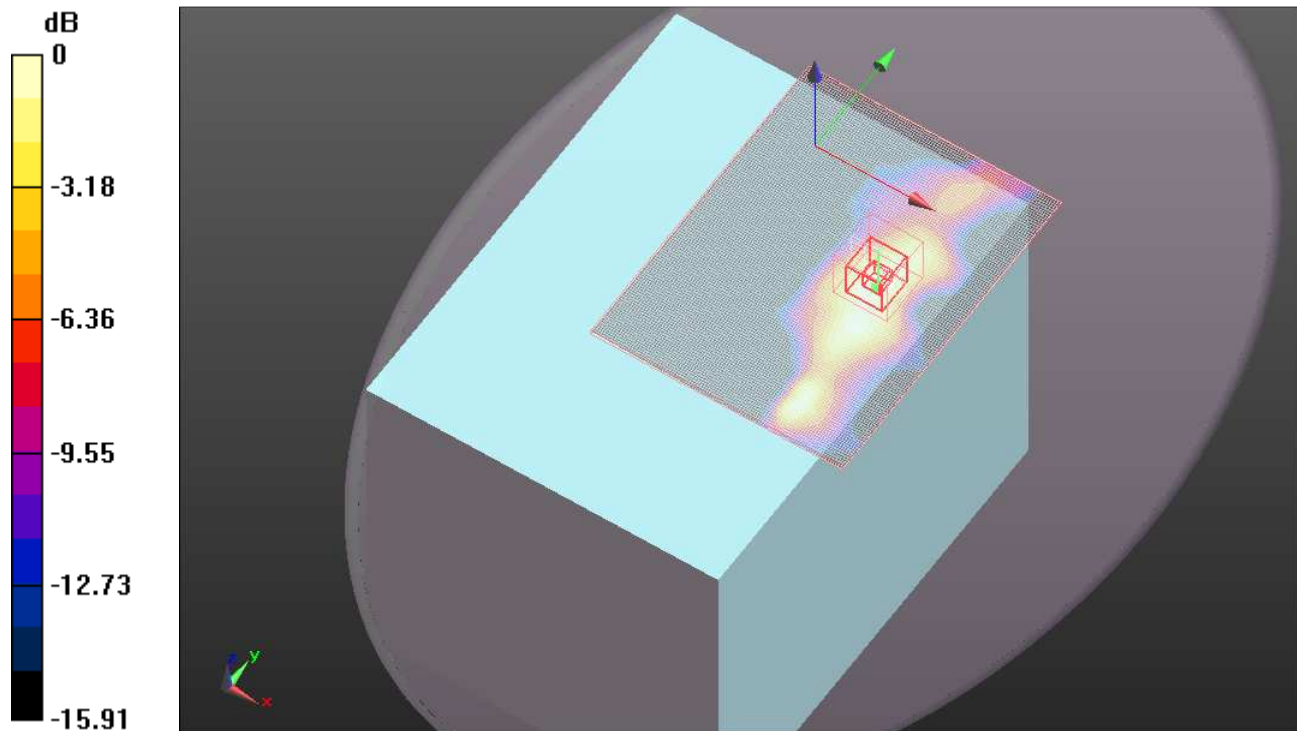
DQ4_12_UQ16_34_10M/Ant. Main/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.041 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.466 W/kg

SAR(1 g) = 0.217 mW/g; SAR(10 g) = 0.109 mW/g

Maximum value of SAR (measured) = 0.296 mW/g



0 dB = 0.300mW/g

Test Laboratory: UL CCS SAR Lab B

013_Lap Held

Communication System: IEEE 802.16e WiMAX 10MHz; Frequency: 2593 MHz; Duty Cycle: 1:4.00037
 Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 2.209$ mho/m; $\epsilon_r = 50.504$; $\rho = 1000$ kg/m³
 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 - SN3772; ConvF(6.3, 6.3, 6.3); 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)

DQ4_12_UQ64_56_10M/Ant. Main/Area Scan (101x131x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.250 mW/g

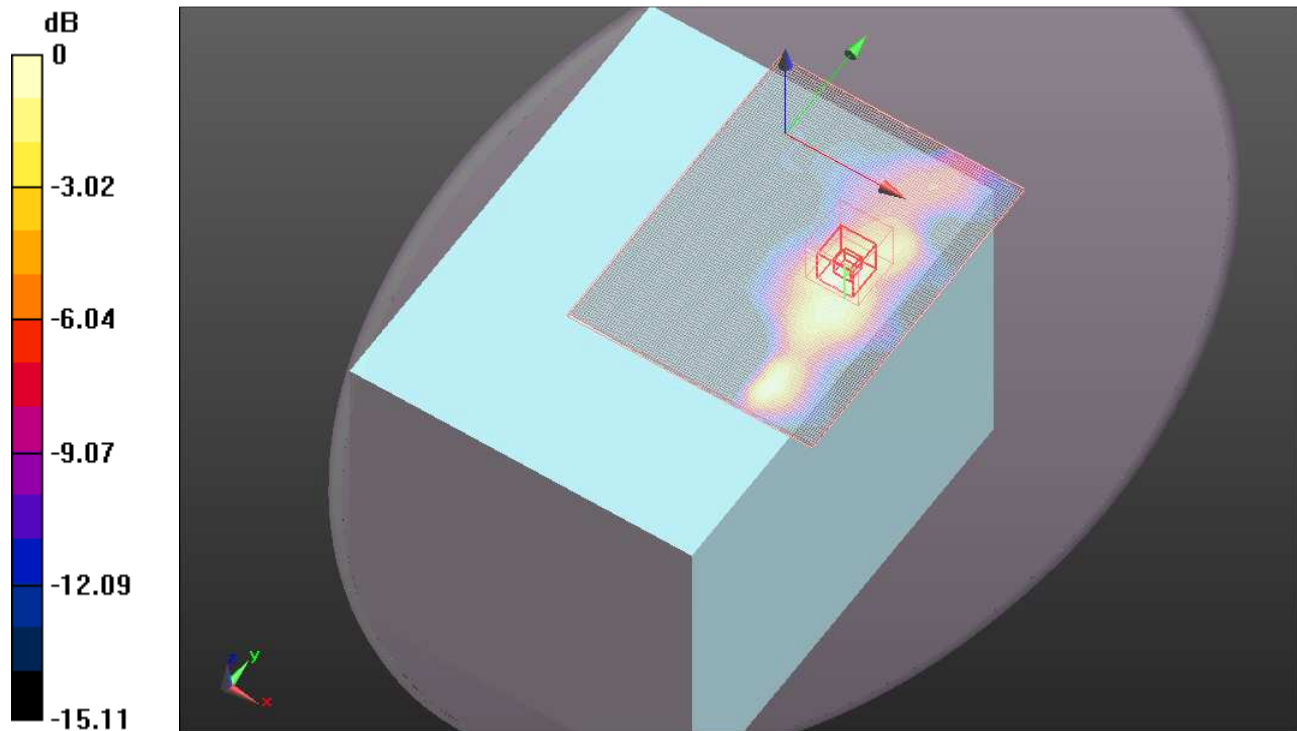
DQ4_12_UQ64_56_10M/Ant. Main/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.528 V/m; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 0.367 W/kg

SAR(1 g) = 0.175 mW/g; SAR(10 g) = 0.090 mW/g

Maximum value of SAR (measured) = 0.247 mW/g



0 dB = 0.250mW/g

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Communication System: IEEE 802.16e WiMAX 10MHz; Frequency: 2593 MHz; Duty Cycle: 1:4.00037
 Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 2.209$ mho/m; $\epsilon_r = 50.504$; $\rho = 1000$ kg/m³
 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 - SN3772; ConvF(6.3, 6.3, 6.3); 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)

DQ64_UQ4_12_21S_10M/Ant. Aux/Area Scan (131x131x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.520 mW/g

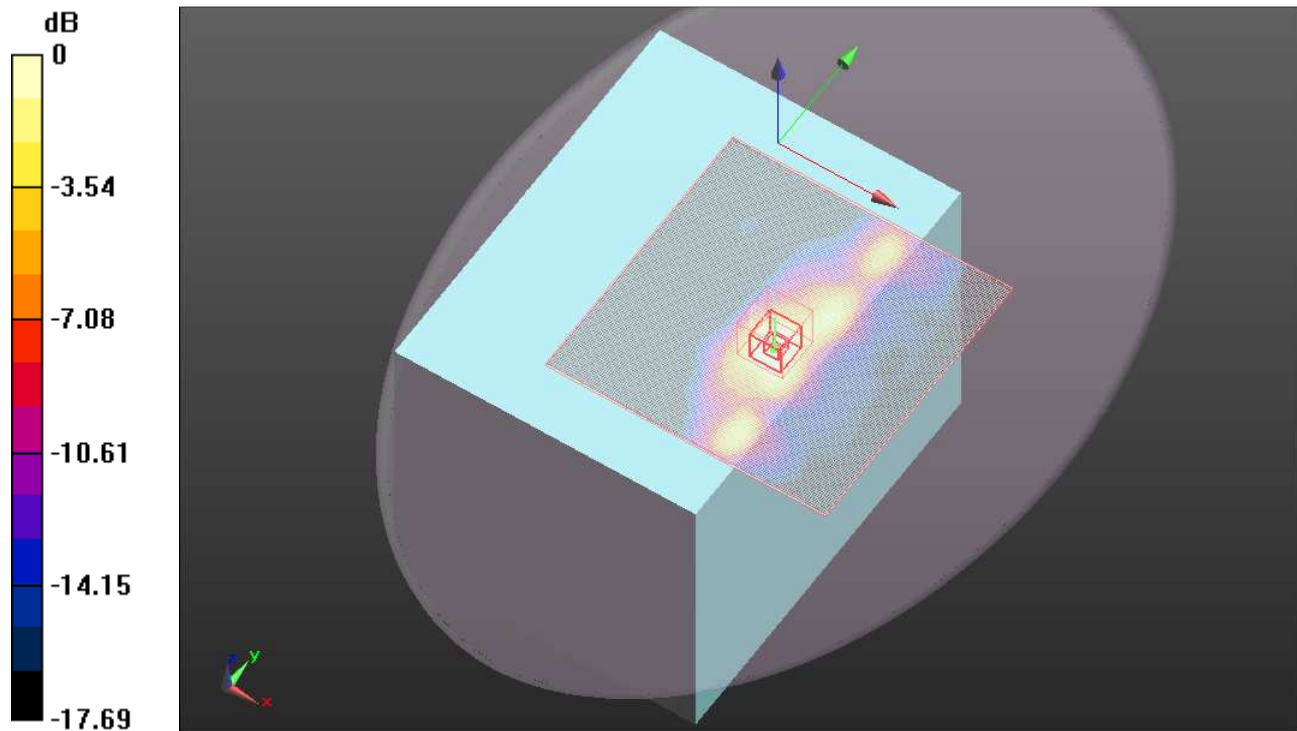
DQ64_UQ4_12_21S_10M/Ant. Aux/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.970 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.607 W/kg

SAR(1 g) = 0.285 mW/g; SAR(10 g) = 0.142 mW/g

Maximum value of SAR (measured) = 0.401 mW/g



0 dB = 0.400mW/g

Test Laboratory: UL CCS SAR Lab B

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 Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 2.209$ mho/m; $\epsilon_r = 50.504$; $\rho = 1000$ kg/m³
 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 - SN3772; ConvF(6.3, 6.3, 6.3); 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)

DQ4_12_UQ16_34_10M/Ant. Aux/Area Scan (131x131x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.584 mW/g

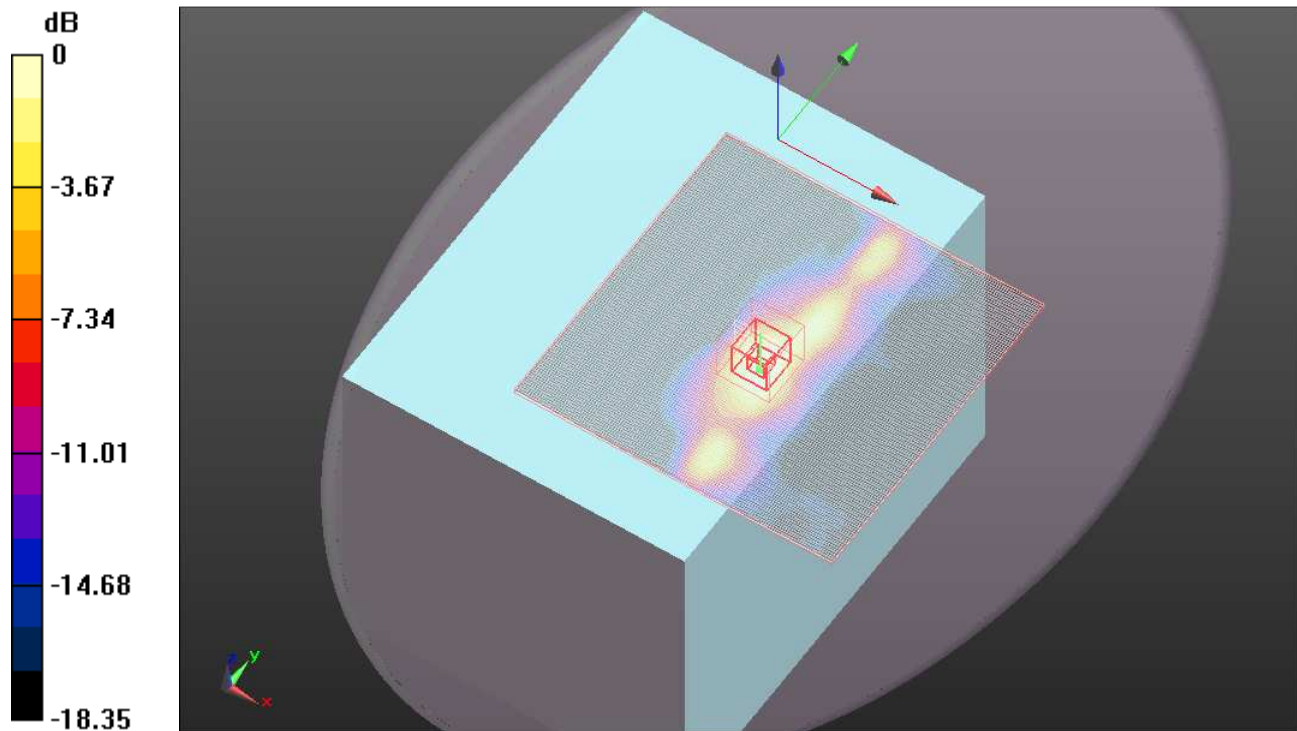
DQ4_12_UQ16_34_10M/Ant. Aux/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.334 V/m; Power Drift = -0.0098 dB

Peak SAR (extrapolated) = 0.838 W/kg

SAR(1 g) = 0.398 mW/g; SAR(10 g) = 0.195 mW/g

Maximum value of SAR (measured) = 0.556 mW/g



0 dB = 0.560mW/g

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 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 - SN3772; ConvF(6.3, 6.3, 6.3); 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)

DQ4_12_UQ64_56_10M/Ant. Aux/Area Scan (131x131x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.520 mW/g

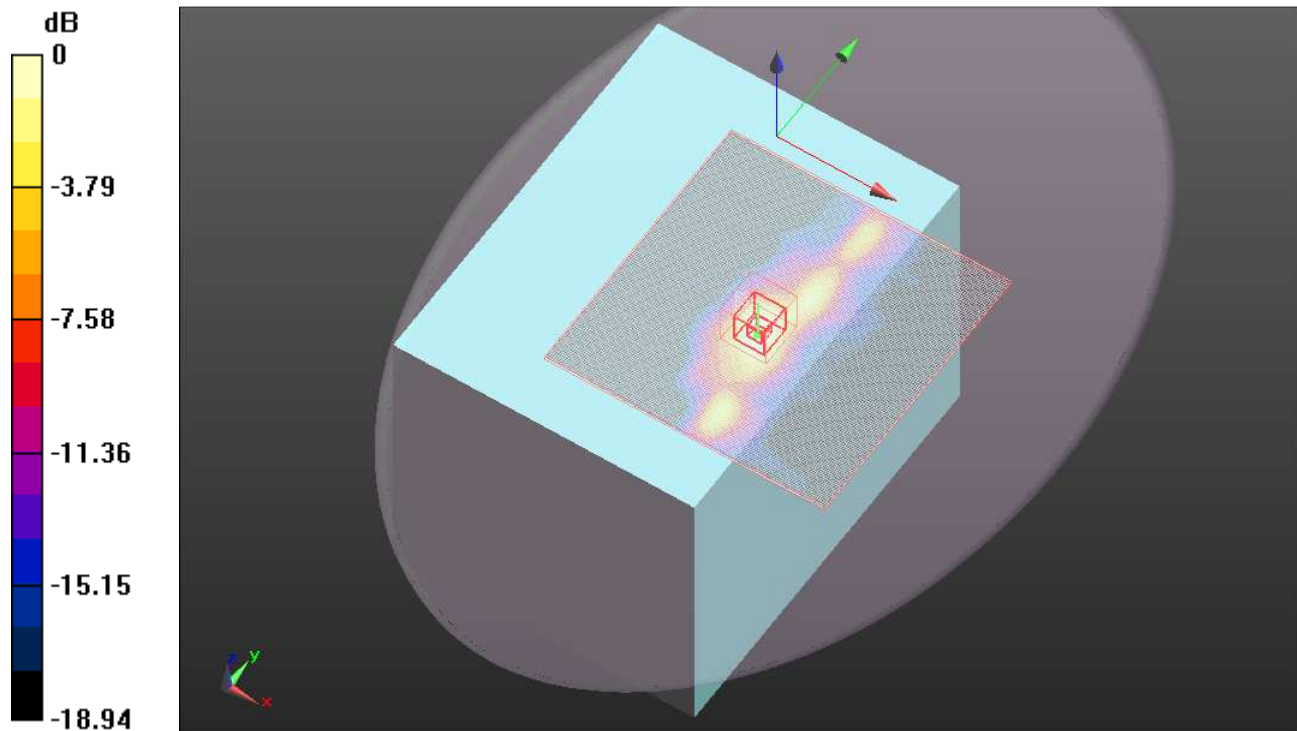
DQ4_12_UQ64_56_10M/Ant. Aux/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.717 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.856 W/kg

SAR(1 g) = 0.390 mW/g; SAR(10 g) = 0.188 mW/g

Maximum value of SAR (measured) = 0.562 mW/g



0 dB = 0.560mW/g

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013_Lap Held

Communication System: IEEE 802.16e WiMAX 10MHz; Frequency: 2593 MHz; Duty Cycle: 1:4.00037

DQ4_12_UQ64_56_10M/Ant. Aux/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.553 mW/g