

Test Laboratory: UL CCS SAR Lab B

001_SystemPerformanceCheck-D2450V2 SN 706

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.966$ mho/m; $\epsilon_r = 51.136$; $\rho = 1000$ 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 - SN3773; ConvF(6.87, 6.87, 6.87); 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)

Body/Pin=100 mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 7.350 mW/g

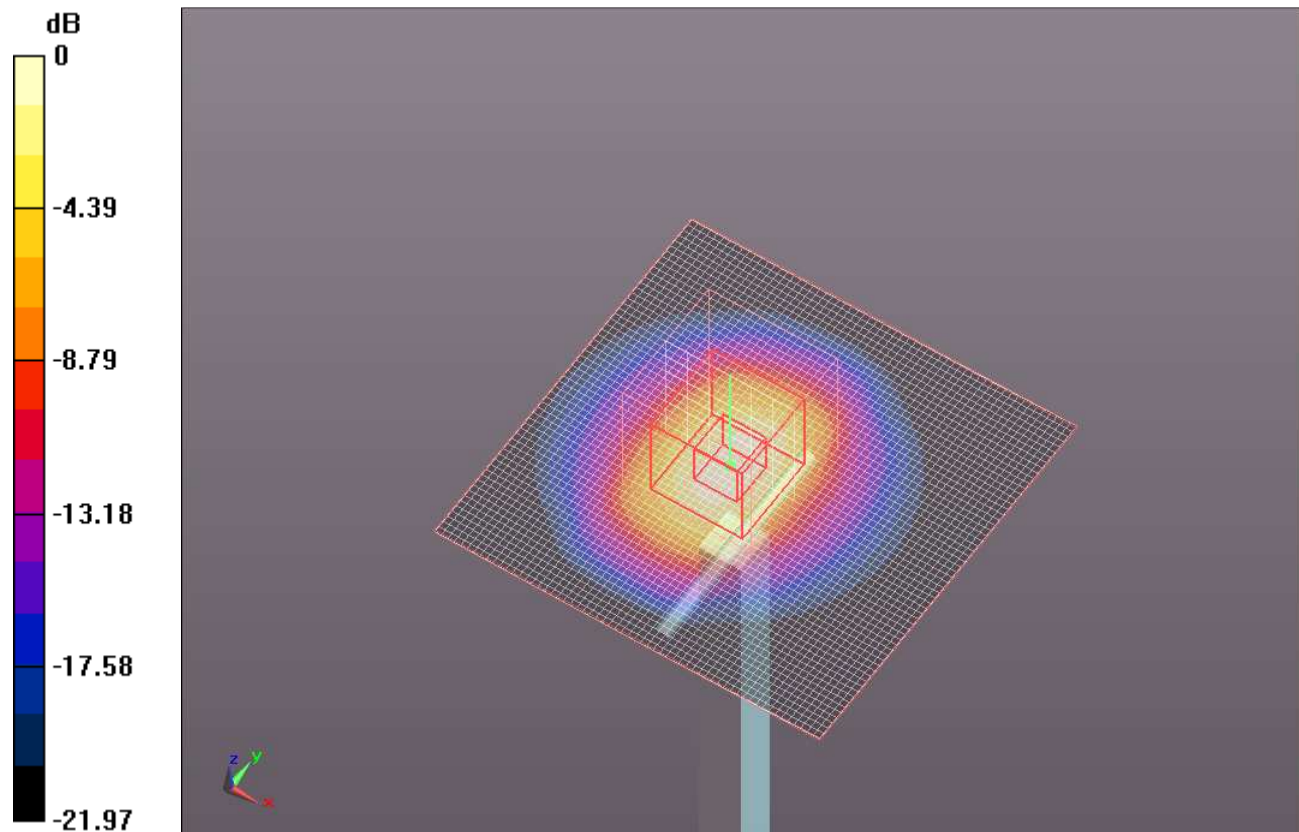
Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 65.311 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 11.345 W/kg

SAR(1 g) = 5.41 mW/g; SAR(10 g) = 2.49 mW/g

Maximum value of SAR (measured) = 7.754 mW/g



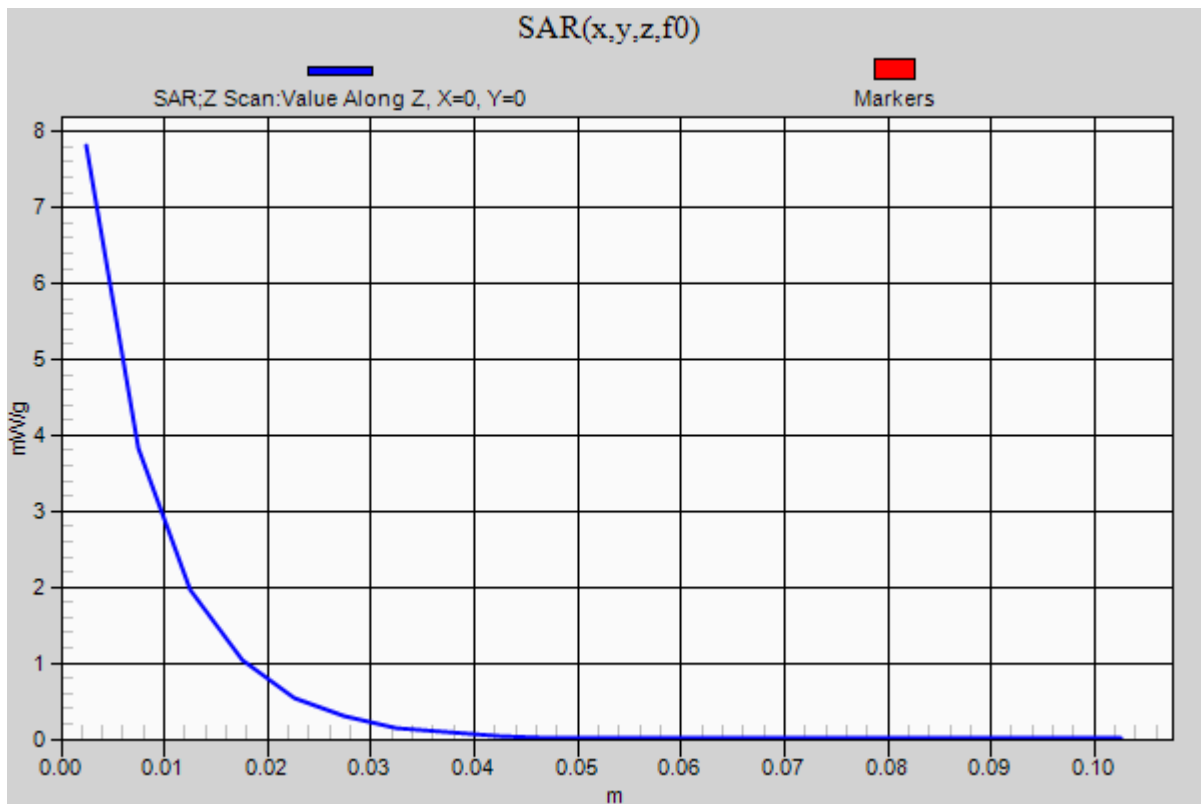
0 dB = 7.750mW/g

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Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Body/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 7.815 mW/g



Test Laboratory: UL CCS SAR Lab B

002_SystemPerformanceCheck-D2450V2 SN 706

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2450$ MHz; $\sigma = 2.015$ mho/m; $\epsilon_r = 50.786$; $\rho = 1000$ 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 - SN3773; ConvF(6.87, 6.87, 6.87); 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)

Body/Pin=100 mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 7.600 mW/g

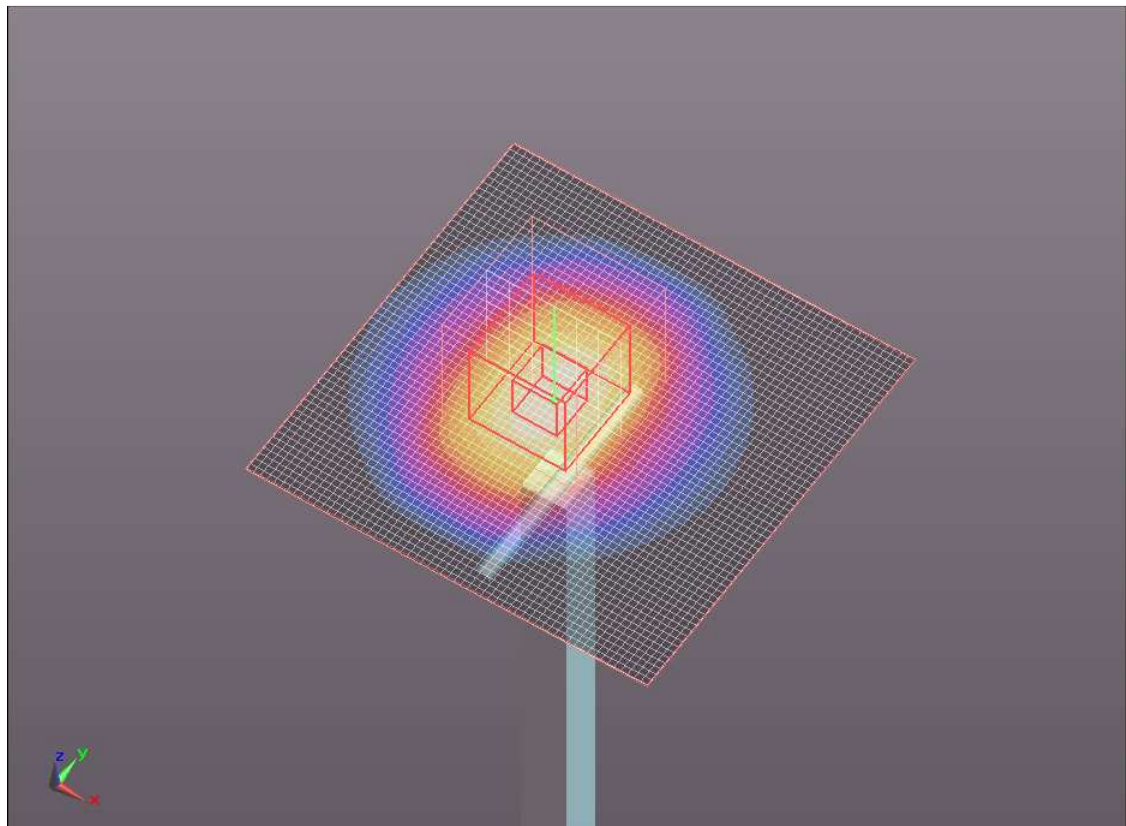
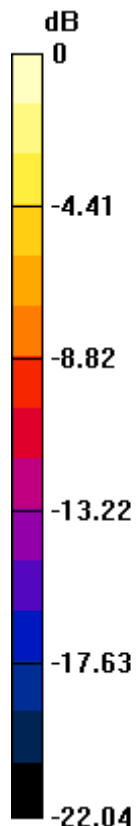
Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 65.000 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 11.691 W/kg

SAR(1 g) = 5.58 mW/g; SAR(10 g) = 2.57 mW/g

Maximum value of SAR (measured) = 7.951 mW/g

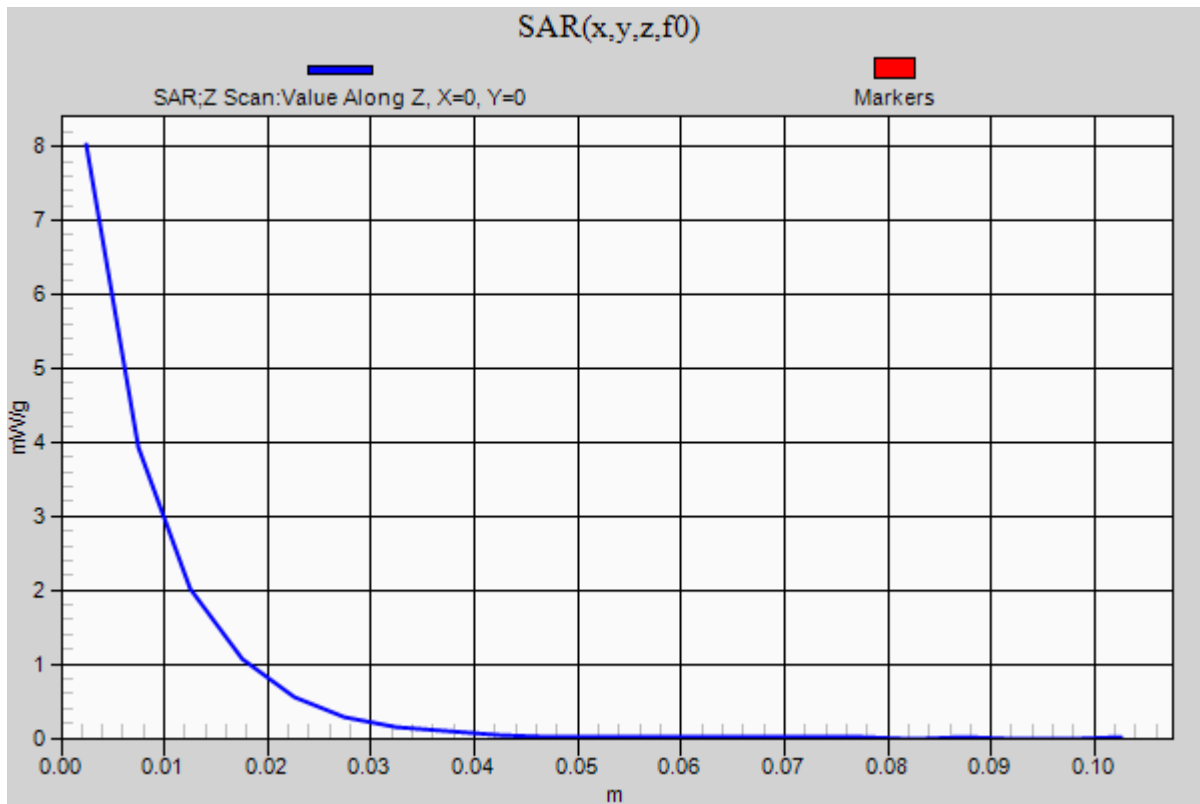


0 dB = 7.950mW/g

Test Laboratory: UL CCS SAR Lab B

002_SystemPerformanceCheck-D2450V2 SN 706

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Body/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 8.023 mW/g

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003_SystemPerformanceCheck-D5GHzV2 SN 1075

Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.453$ mho/m; $\epsilon_r = 50.322$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 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(4.1, 4.1, 4.1); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Body/5.2 GHz, Pin=100mW 2/Area Scan (61x61x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 13.704 mW/g

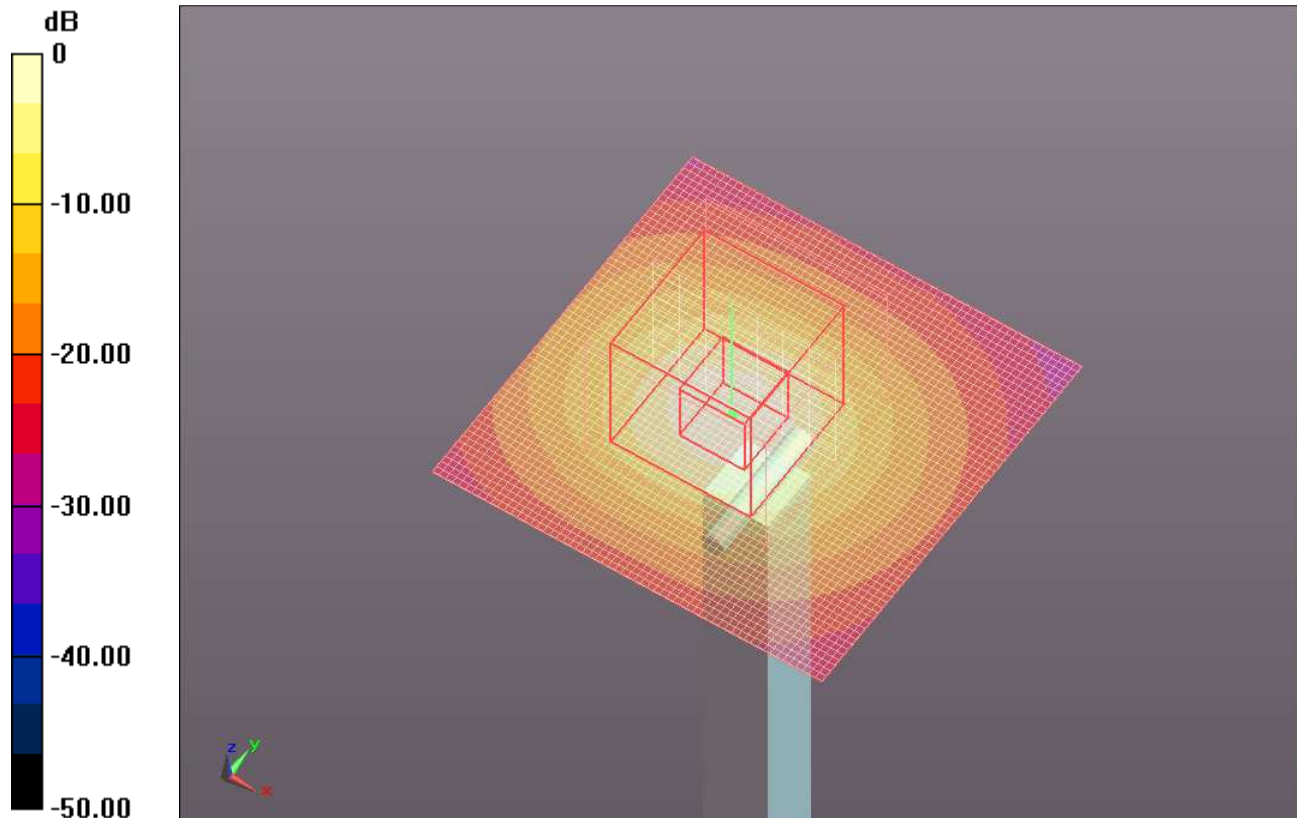
Body/5.2 GHz, Pin=100mW 2/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 51.290 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 26.342 W/kg

SAR(1 g) = 7.82 mW/g; SAR(10 g) = 2.26 mW/g

Maximum value of SAR (measured) = 13.941 mW/g



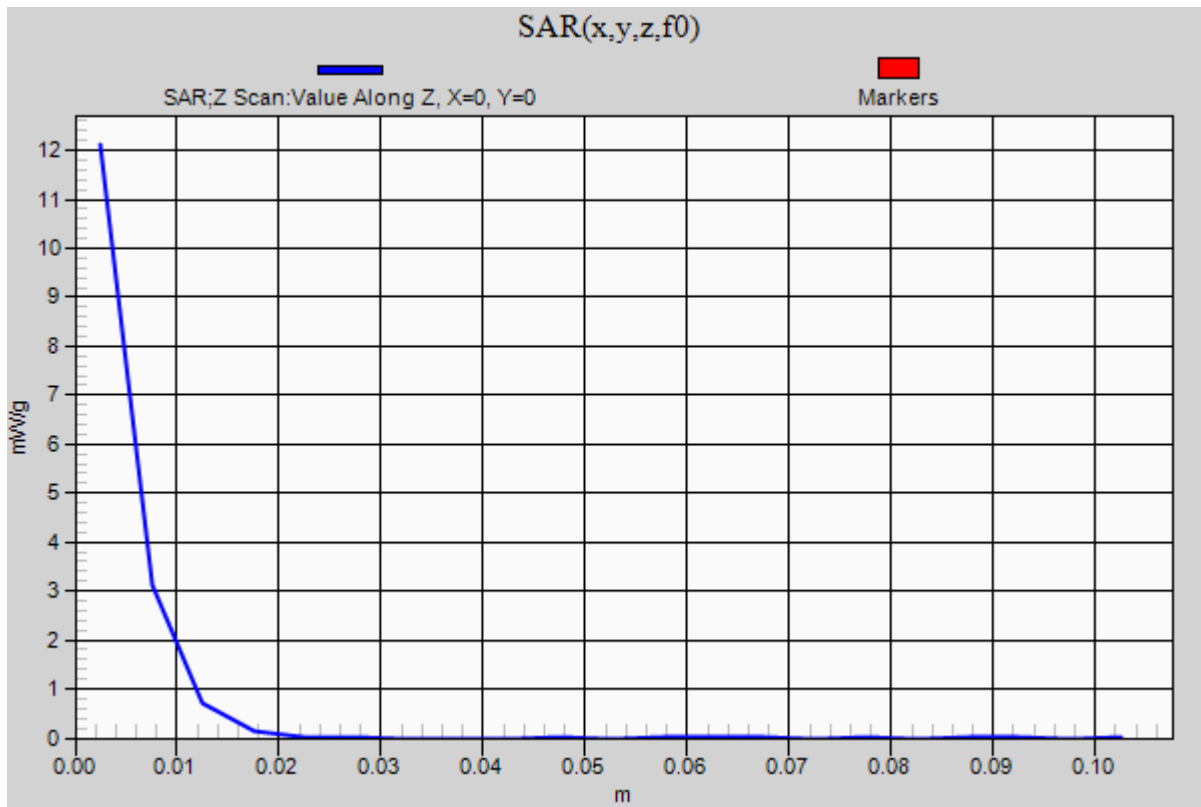
0 dB = 13.940mW/g

Test Laboratory: UL CCS SAR Lab B

003_SystemPerformanceCheck-D5GHzV2 SN 1075

Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1

Body/5.2 GHz, Pin=100mW 2/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 12.114 mW/g



Test Laboratory: UL CCS SAR Lab B

004_SystemPerformanceCheck-D5GHzV2 SN 1075

Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.419$ mho/m; $\epsilon_r = 49.693$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 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(4.1, 4.1, 4.1); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Body/5.2 GHz, Pin=100mW/Area Scan (61x61x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 14.158 mW/g

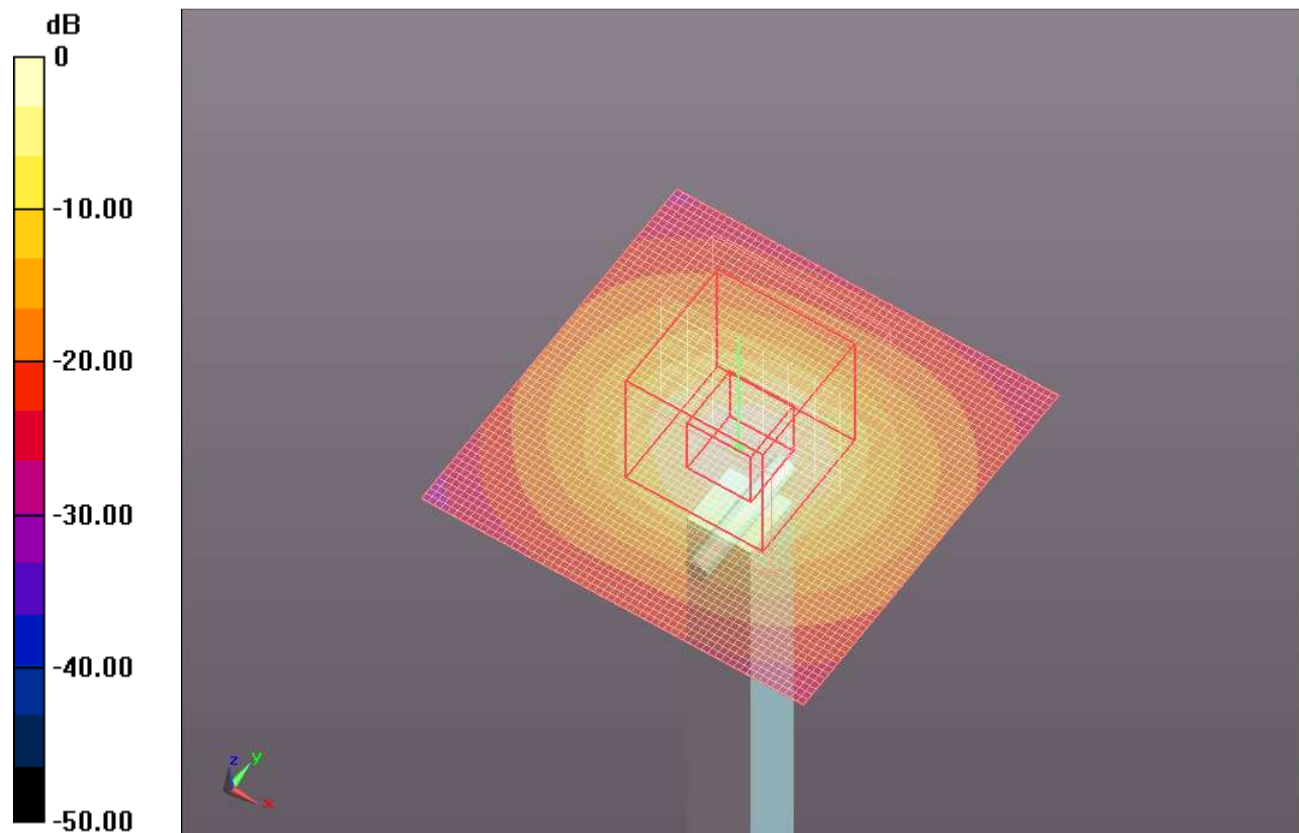
Body/5.2 GHz, Pin=100mW/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 55.550 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 26.515 W/kg

SAR(1 g) = 7.77 mW/g; SAR(10 g) = 2.21 mW/g

Maximum value of SAR (measured) = 13.705 mW/g

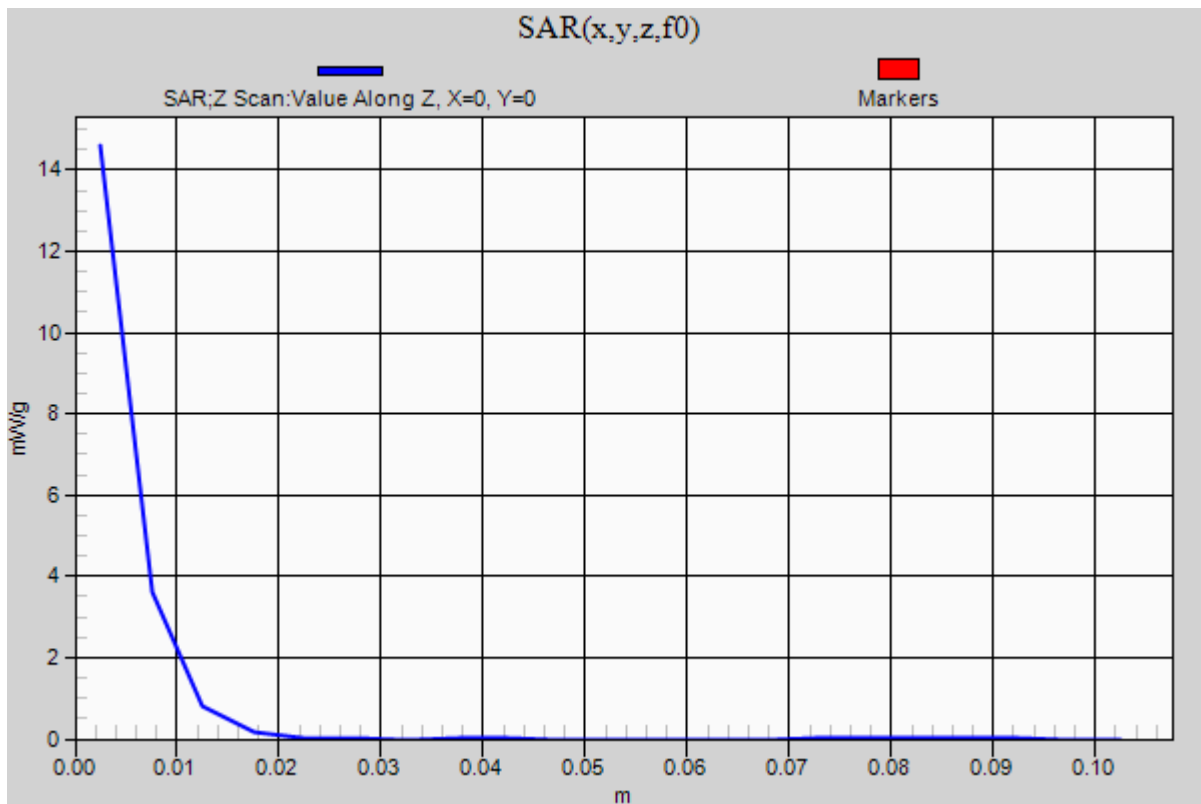


0 dB = 13.710mW/g

Test Laboratory: UL CCS SAR Lab B

004_SystemPerformanceCheck-D5GHzV2 SN 1075

Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1

Body/5.2 GHz, Pin=100mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 14.598 mW/g

Test Laboratory: UL CCS SAR Lab B

005_SystemPerformanceCheck-D5GHzV2 SN 1075

Communication System: CW; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5500$ MHz; $\sigma = 5.652$ mho/m; $\epsilon_r = 46.839$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 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(3.49, 3.49, 3.49); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Body/5.5 GHz, Pin=100mW/Area Scan (61x61x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 15.207 mW/g

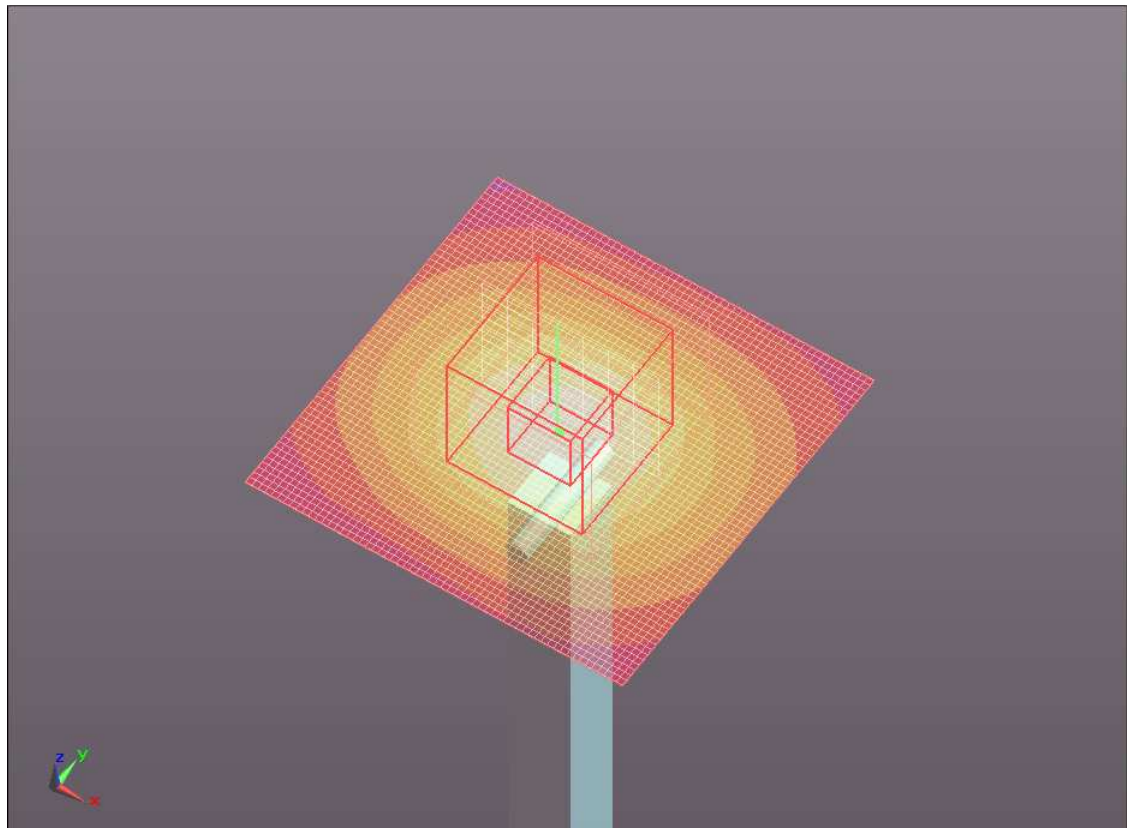
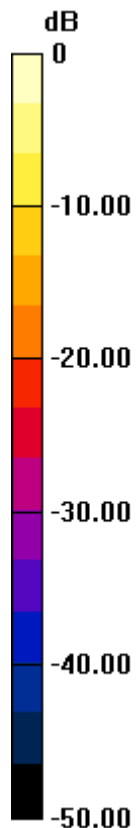
Body/5.5 GHz, Pin=100mW/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 56.072 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 29.236 W/kg

SAR(1 g) = 8.05 mW/g; SAR(10 g) = 2.27 mW/g

Maximum value of SAR (measured) = 14.668 mW/g

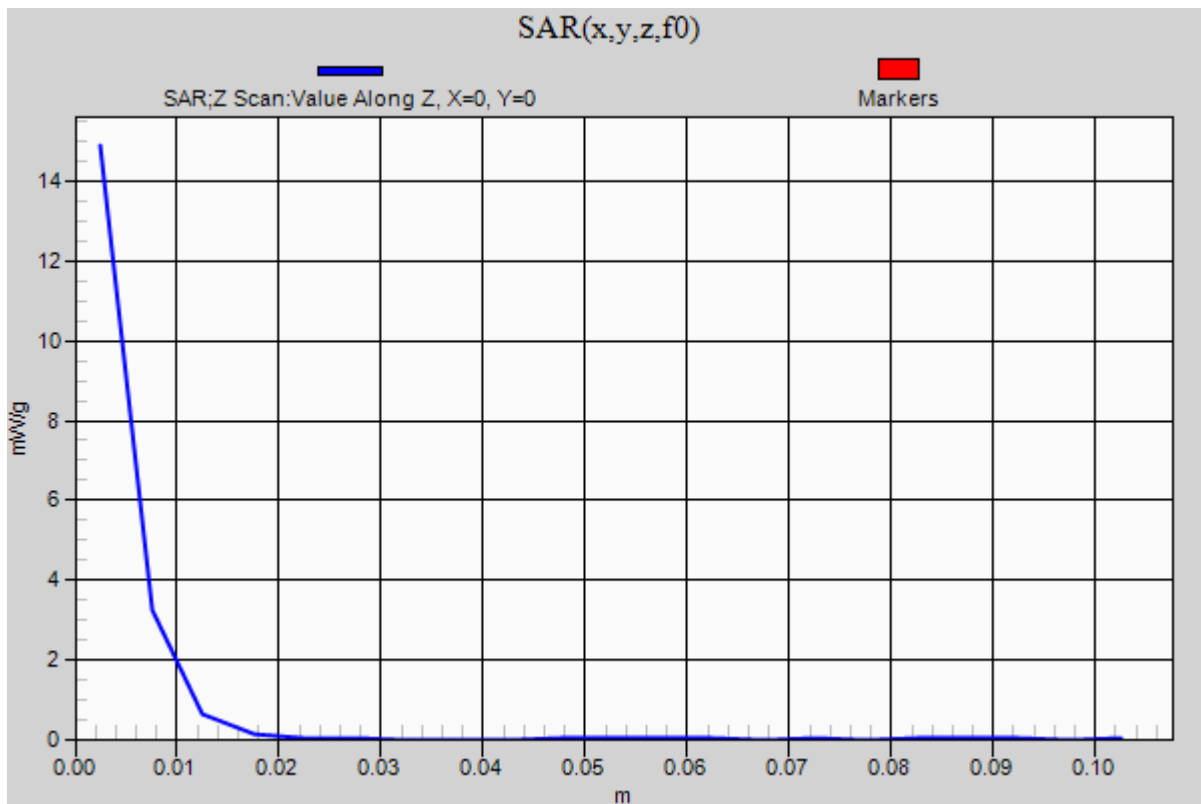


0 dB = 14.670mW/g

Test Laboratory: UL CCS SAR Lab B

005_SystemPerformanceCheck-D5GHzV2 SN 1075

Communication System: CW; Frequency: 5500 MHz; Duty Cycle: 1:1

Body/5.5 GHz, Pin=100mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 14.905 mW/g

Test Laboratory: UL CCS SAR Lab B

006_SystemPerformanceCheck-D5GHzV2 SN 1075

Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5800$ MHz; $\sigma = 6.138$ mho/m; $\epsilon_r = 46.837$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 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(3.58, 3.58, 3.58); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Body/5.8 GHz, Pin=100mW/Area Scan (61x61x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 12.700 mW/g

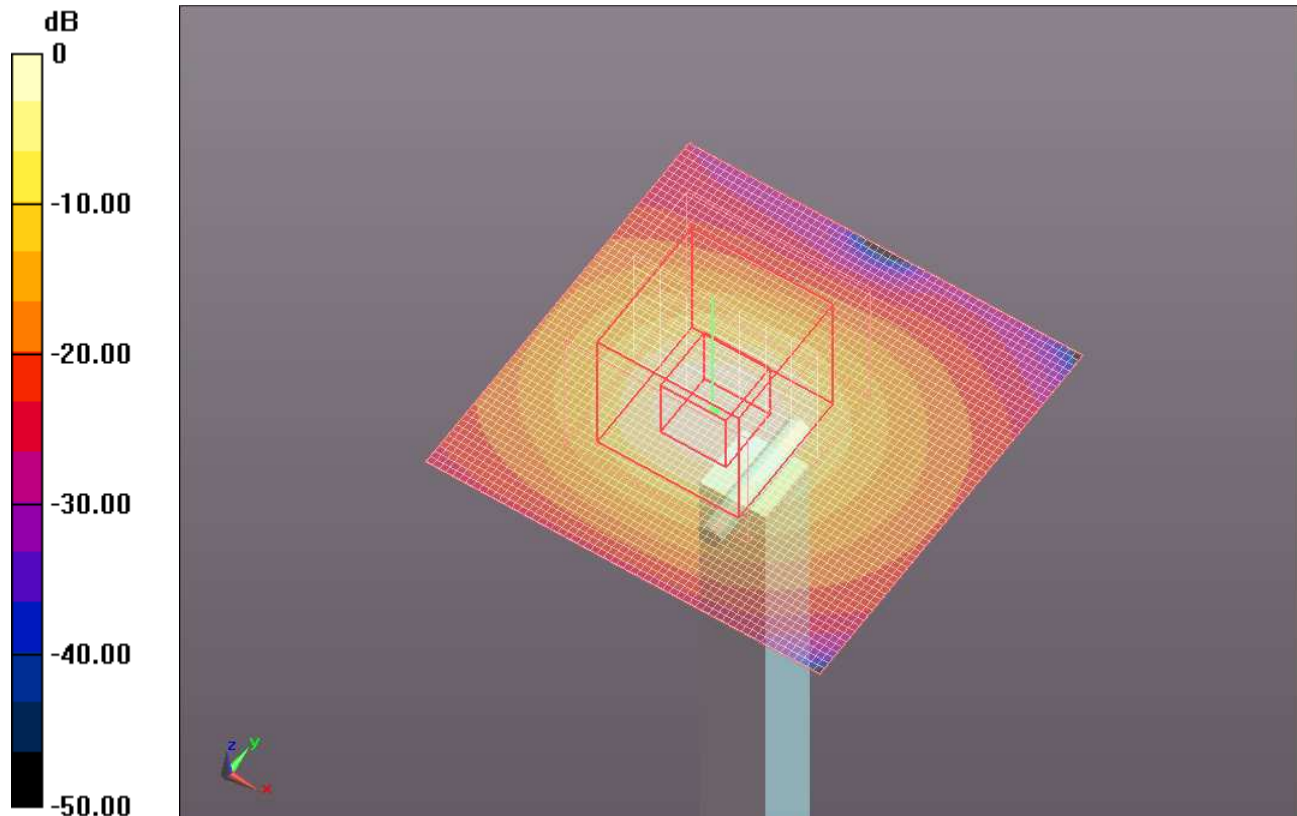
Body/5.8 GHz, Pin=100mW/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 44.602 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 26.734 W/kg

SAR(1 g) = 7.07 mW/g; SAR(10 g) = 1.98 mW/g

Maximum value of SAR (measured) = 12.892 mW/g



0 dB = 12.890mW/g

Test Laboratory: UL CCS SAR Lab B

006_SystemPerformanceCheck-D5GHzV2 SN 1075

Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1

Body/5.8 GHz, Pin=100mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 9.850 mW/g