

Test Laboratory: UL CCS SAR Lab A

5.2GHz Band

Communication System: IEEE 802.11 a/n 5 GHz Bands; Frequency: 5240 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5240$ MHz; $\sigma = 5.405$ mho/m; $\epsilon_r = 52.52$; $\rho = 1000$ 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 - SN3686; ConvF(3.98, 3.98, 3.98); 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(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Bottom Face/802.11a_Ch 48/Area Scan (161x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.056 mW/g

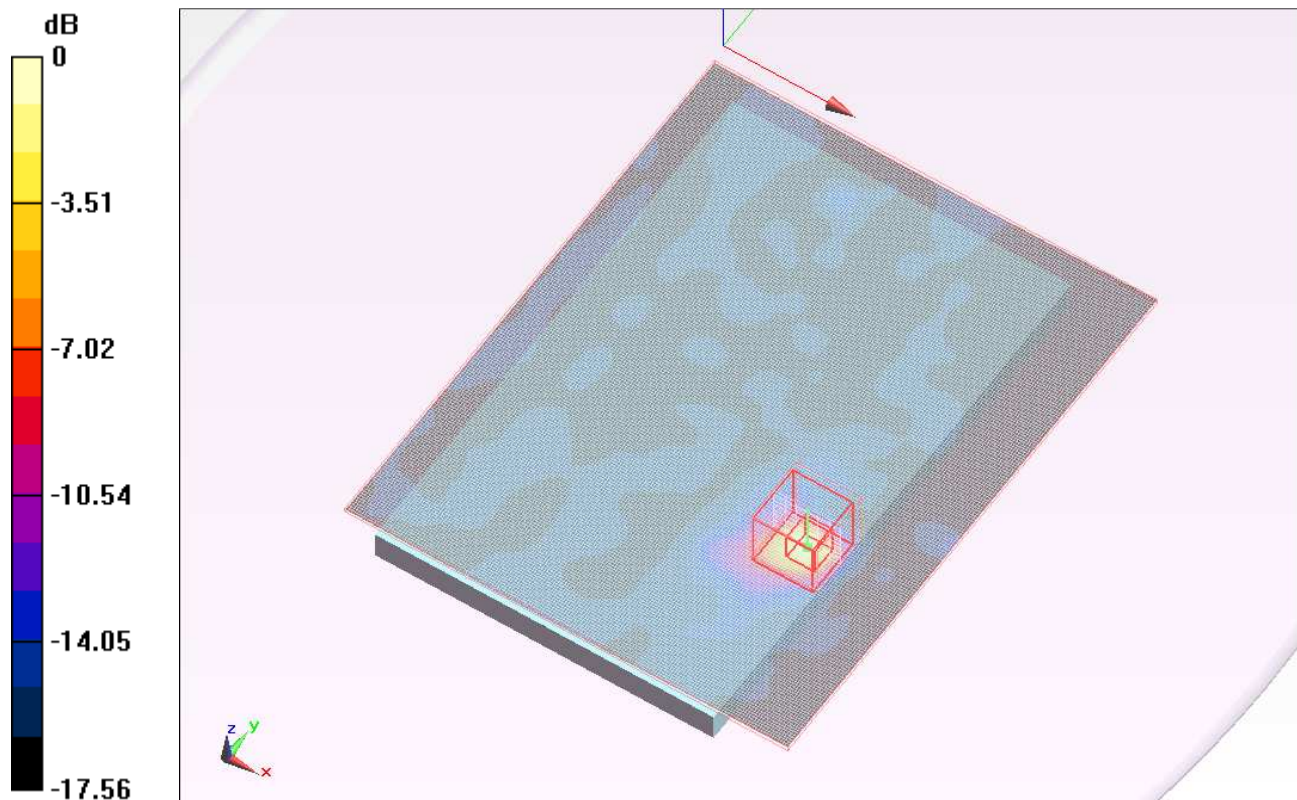
Bottom Face/802.11a_Ch 48/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 11.287 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.301 W/kg

SAR(1 g) = 0.666 mW/g; SAR(10 g) = 0.149 mW/g

Maximum value of SAR (measured) = 1.357 mW/g

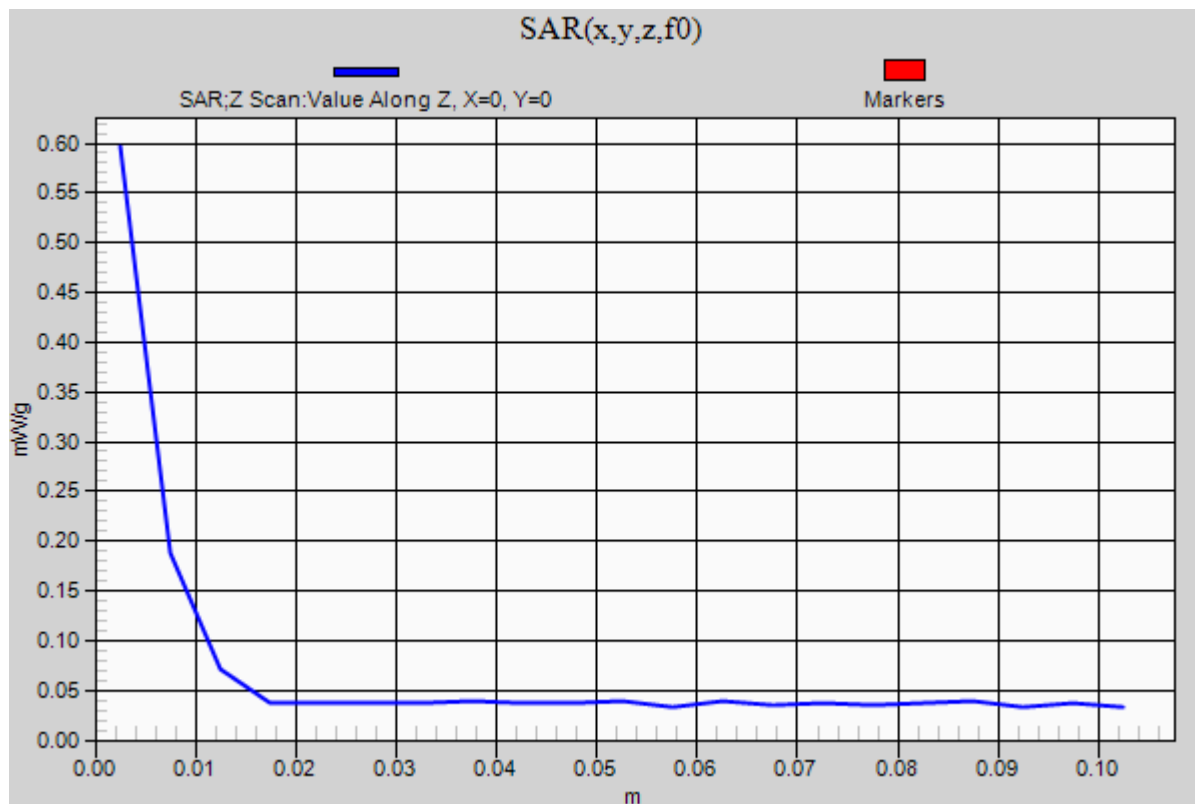


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5.2GHz Band

Communication System: IEEE 802.11 a/n 5 GHz Bands; Frequency: 5240 MHz; Duty Cycle: 1:1

Bottom Face/802.11a_Ch 48/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.596 mW/g



Test Laboratory: UL CCS SAR Lab A

5.2GHz Band

Communication System: IEEE 802.11 a/n 5 GHz Bands; Frequency: 5230 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5230$ MHz; $\sigma = 5.392$ mho/m; $\epsilon_r = 52.547$; $\rho = 1000$ 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 - SN3686; ConvF(3.98, 3.98, 3.98); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Bottom Face/802.11n_Ch 46/Area Scan (161x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.117 mW/g

Bottom Face/802.11n_Ch 46/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm,

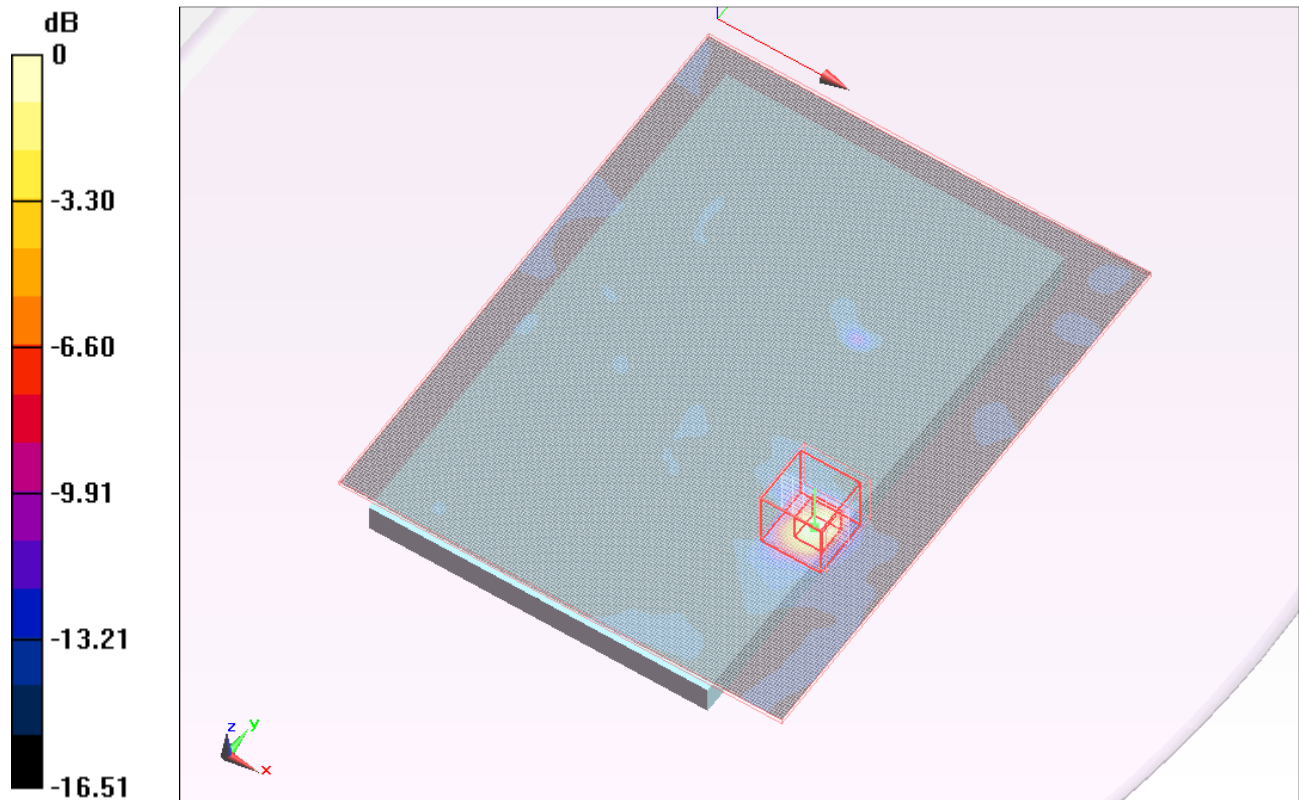
dz=2.5mm

Reference Value = 14.250 V/m; Power Drift = -0.0088 dB

Peak SAR (extrapolated) = 2.736 W/kg

SAR(1 g) = 0.609 mW/g; SAR(10 g) = 0.159 mW/g

Maximum value of SAR (measured) = 1.201 mW/g

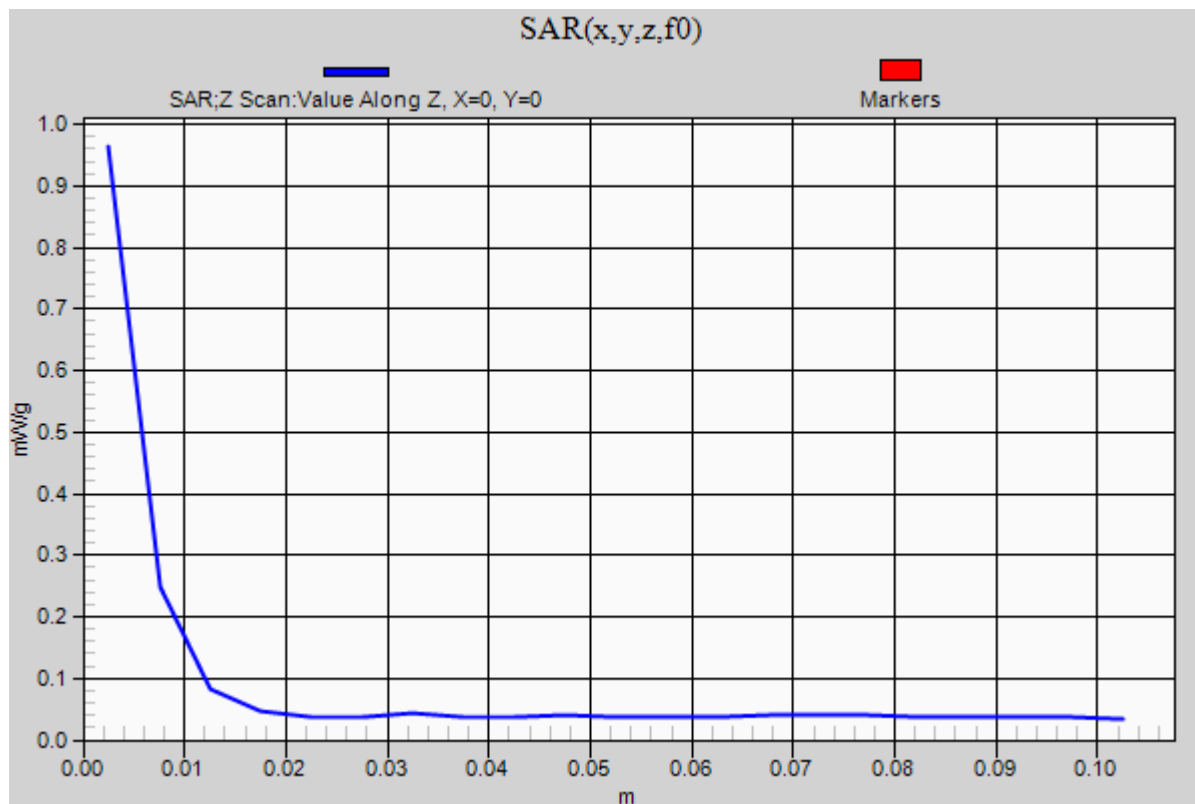


Test Laboratory: UL CCS SAR Lab A

5.2GHz Band

Communication System: IEEE 802.11 a/n 5 GHz Bands; Frequency: 5230 MHz; Duty Cycle: 1:1

Bottom Face/802.11n_Ch 46/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.964 mW/g



Test Laboratory: UL CCS SAR Lab A

5.2GHz Band

Communication System: IEEE 802.11 a/n 5 GHz Bands; Frequency: 5240 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5240$ MHz; $\sigma = 5.405$ mho/m; $\epsilon_r = 52.52$; $\rho = 1000$ 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 - SN3686; ConvF(3.98, 3.98, 3.98); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Secondary Portrait/802.11a_Ch 48/Area Scan (101x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.220 mW/g

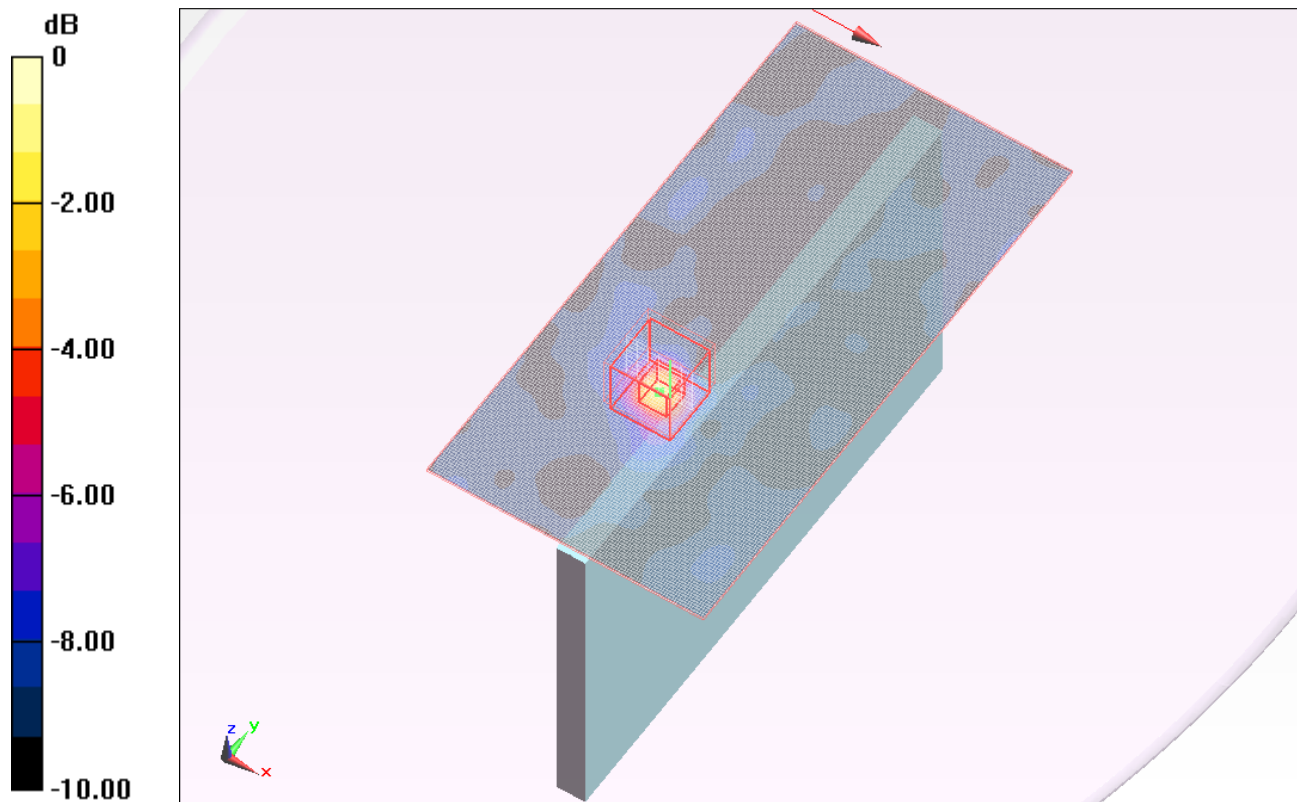
Secondary Portrait/802.11a_Ch 48/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 6.414 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.540 W/kg

SAR(1 g) = 0.171 mW/g; SAR(10 g) = 0.070 mW/g

Maximum value of SAR (measured) = 0.295 mW/g



Test Laboratory: UL CCS SAR Lab A

5.2GHz Band

Communication System: IEEE 802.11 a/n 5 GHz Bands; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.36$ mho/m; $\epsilon_r = 52.593$; $\rho = 1000$ 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 - SN3686; ConvF(3.98, 3.98, 3.98); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Secondary Portrait/802.11a_Ch 40/Area Scan (101x201x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.252 mW/g

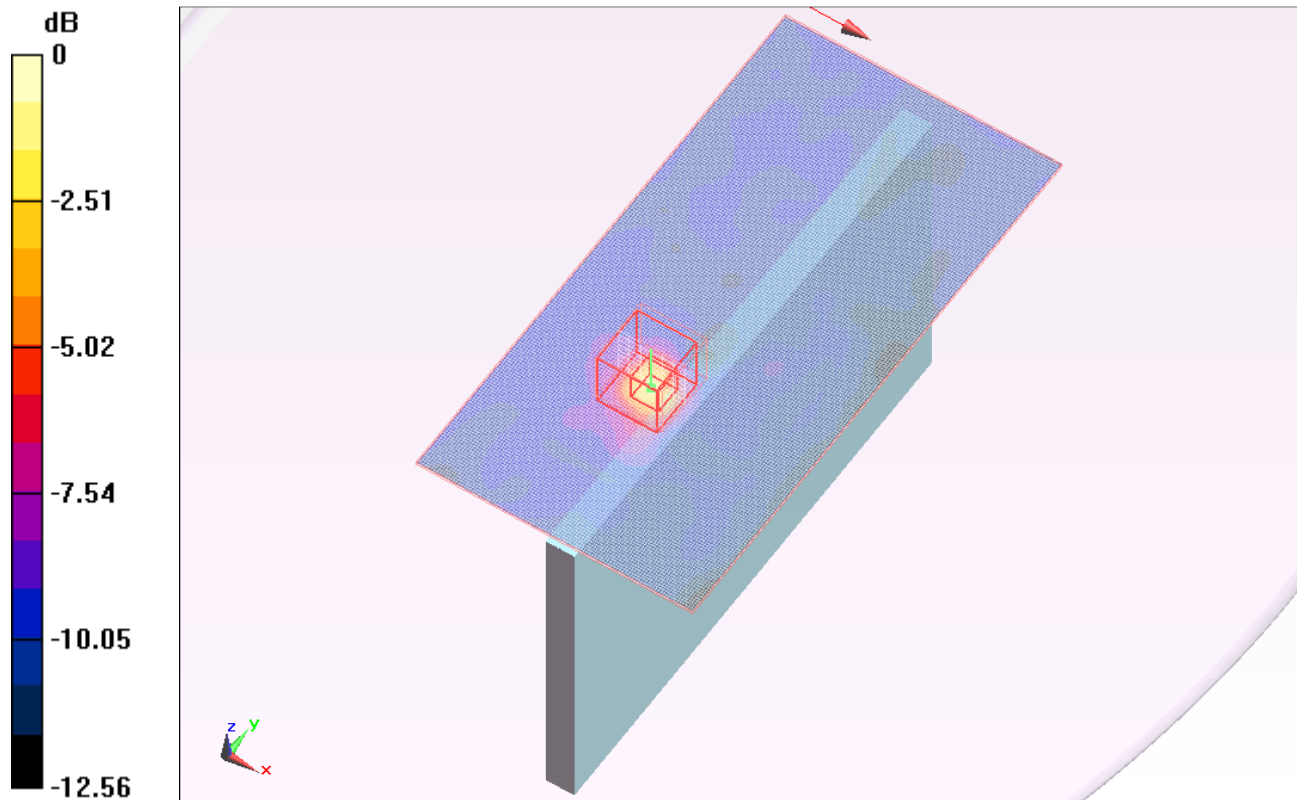
Secondary Portrait/802.11a_Ch 40/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 6.726 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.864 W/kg

SAR(1 g) = 0.205 mW/g; SAR(10 g) = 0.074 mW/g

Maximum value of SAR (measured) = 0.350 mW/g



Test Laboratory: UL CCS SAR Lab A

5.3GHz Band

Communication System: IEEE 802.11 a/n 5 GHz Bands; Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5300$ MHz; $\sigma = 5.504$ mho/m; $\epsilon_r = 52.394$; $\rho = 1000$ 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 - SN3686; ConvF(3.7, 3.7, 3.7); 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(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Bottom Face/802.11a_Ch 60/Area Scan (161x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.255 mW/g

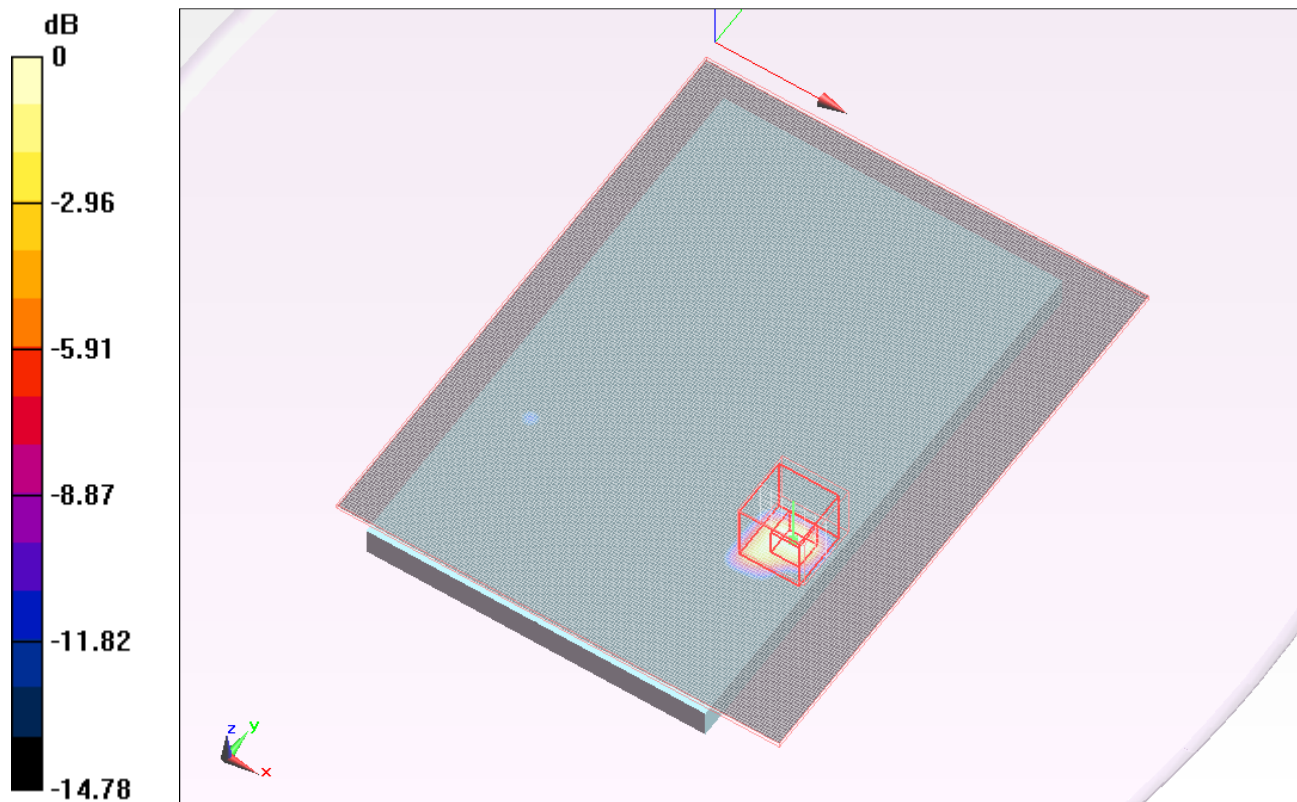
Bottom Face/802.11a_Ch 60/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 10.566 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 2.460 W/kg

SAR(1 g) = 0.496 mW/g; SAR(10 g) = 0.135 mW/g

Maximum value of SAR (measured) = 0.885 mW/g



Test Laboratory: UL CCS SAR Lab A

5.3GHz Band

Communication System: IEEE 802.11 a/n 5 GHz Bands; Frequency: 5270 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5270$ MHz; $\sigma = 5.451$ mho/m; $\epsilon_r = 52.441$; $\rho = 1000$ 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 - SN3686; ConvF(3.7, 3.7, 3.7); 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(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Bottom Face/802.11n_Ch 54/Area Scan (161x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.858 mW/g

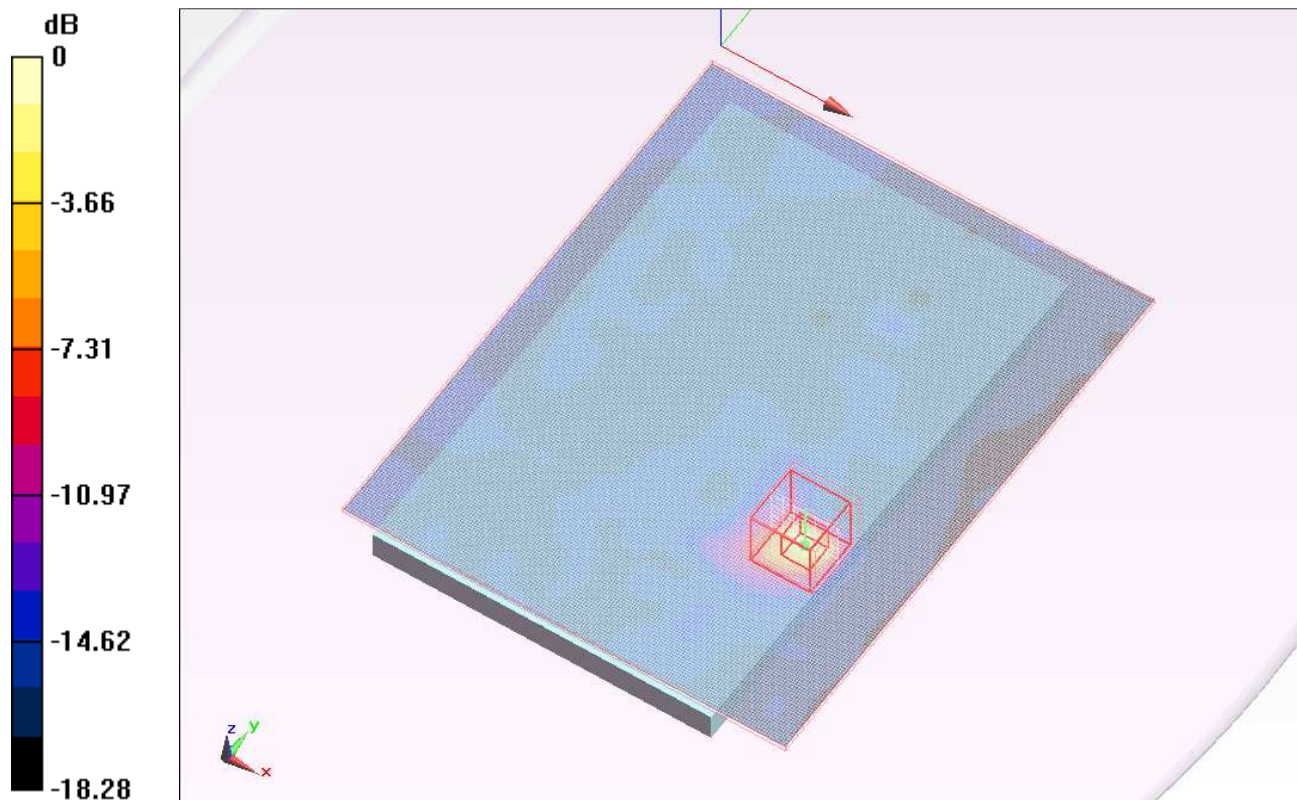
Bottom Face/802.11n_Ch 54/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 11.591 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 2.874 W/kg

SAR(1 g) = 0.600 mW/g; SAR(10 g) = 0.158 mW/g

Maximum value of SAR (measured) = 1.219 mW/g



0 dB = 1.220mW/g

Test Laboratory: UL CCS SAR Lab A

5.3GHz Band

Communication System: IEEE 802.11 a/n 5 GHz Bands; Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5300$ MHz; $\sigma = 5.504$ mho/m; $\epsilon_r = 52.394$; $\rho = 1000$ 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 - SN3686; ConvF(3.7, 3.7, 3.7); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Secondary Portrait/802.11a_Ch 60/Area Scan (101x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.246 mW/g

Secondary Portrait/802.11a_Ch 60/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm,

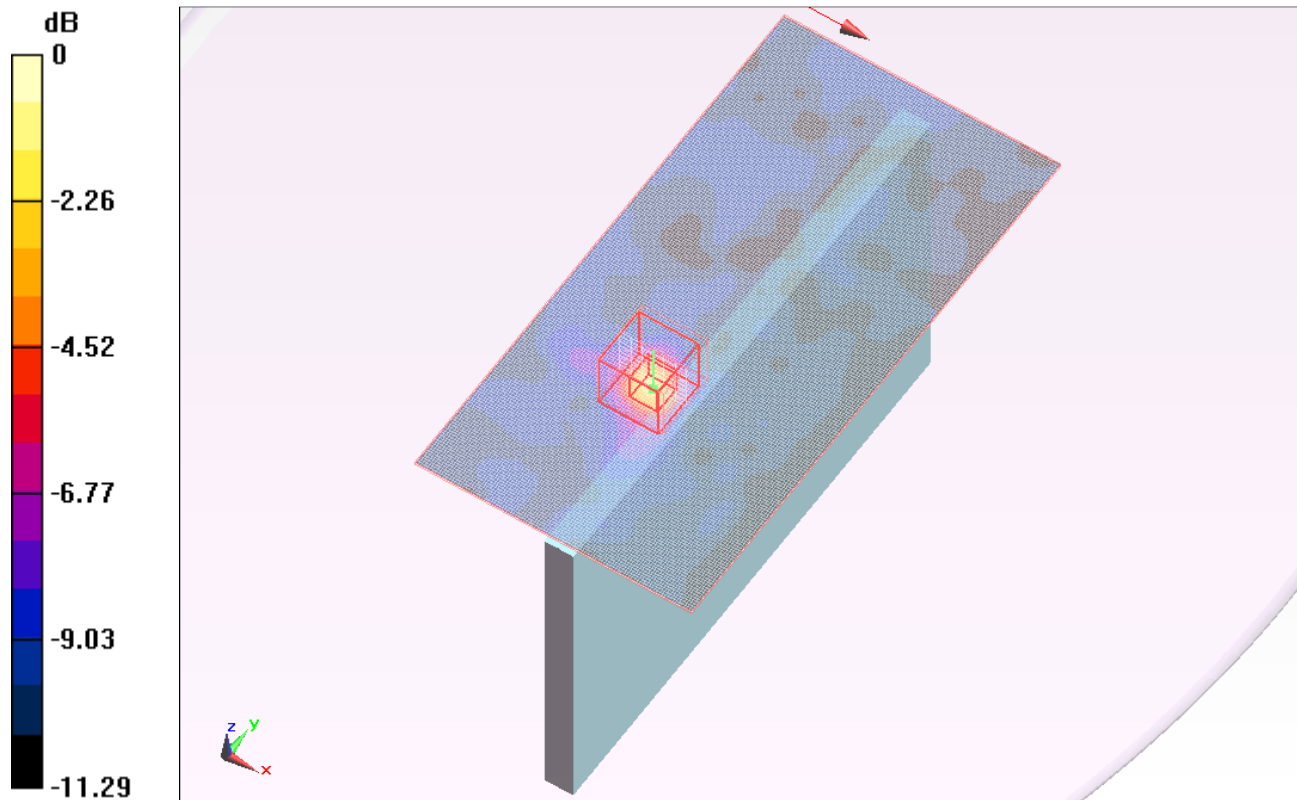
dy=4mm, dz=2.5mm

Reference Value = 6.577 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.076 W/kg

SAR(1 g) = 0.211 mW/g; SAR(10 g) = 0.075 mW/g

Maximum value of SAR (measured) = 0.365 mW/g



0 dB = 0.360mW/g

Test Laboratory: UL CCS SAR Lab A

5.3GHz Band

Communication System: IEEE 802.11 a/n 5 GHz Bands; Frequency: 5270 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5270$ MHz; $\sigma = 5.451$ mho/m; $\epsilon_r = 52.441$; $\rho = 1000$ 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 - SN3686; ConvF(3.7, 3.7, 3.7); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Secondary Portrait/802.11n_Ch 54/Area Scan (101x201x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.302 mW/g

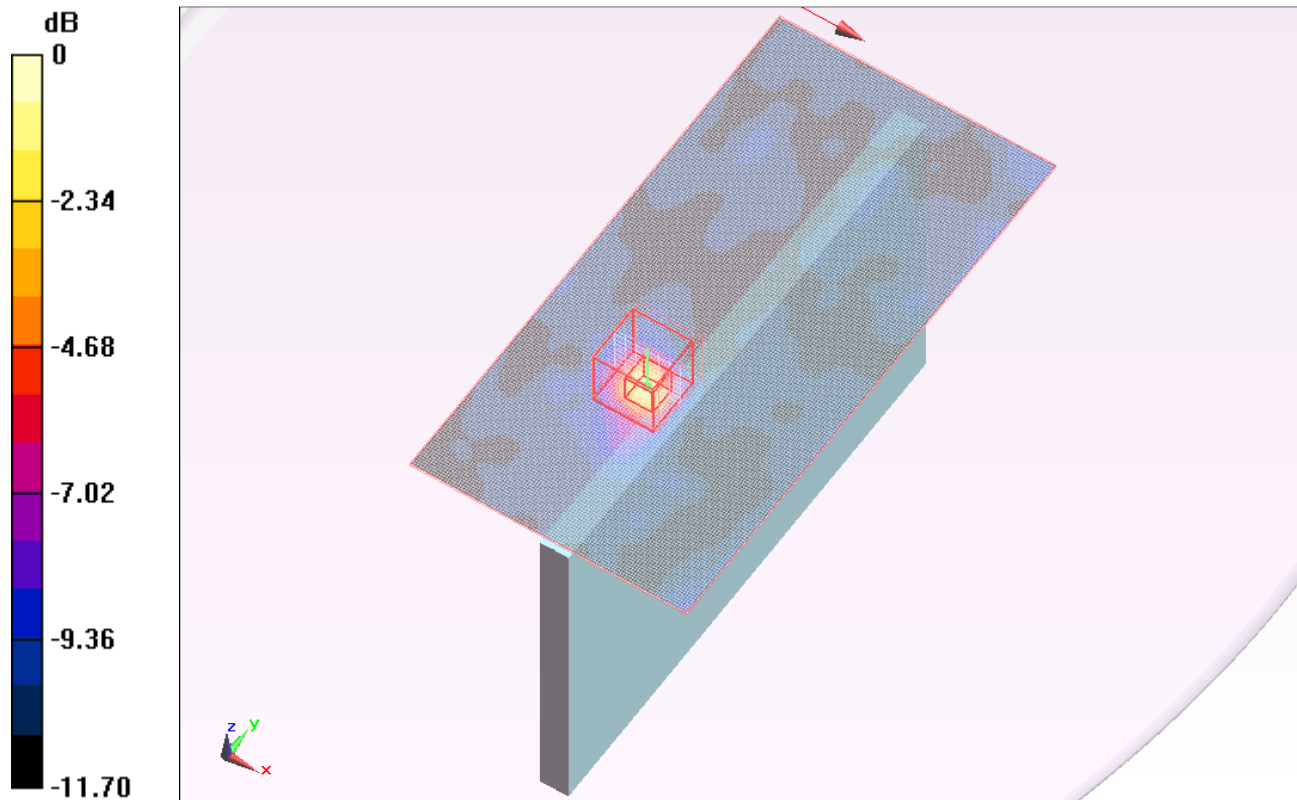
Secondary Portrait/802.11n_Ch 54/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 7.133 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.113 W/kg

SAR(1 g) = 0.230 mW/g; SAR(10 g) = 0.077 mW/g

Maximum value of SAR (measured) = 0.388 mW/g



Date: 10/5/2011

Test Laboratory: UL CCS SAR Lab A

5.5GHz Band

Communication System: IEEE 802.11 a/n 5 GHz Bands; Frequency: 5700 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5700$ MHz; $\sigma = 5.951$ mho/m; $\epsilon_r = 47.606$; $\rho = 1000$ 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 - SN3686; ConvF(3.29, 3.29, 3.29); 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)

Bottom Face/802.11a_Ch 140/Area Scan (161x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.702 mW/g

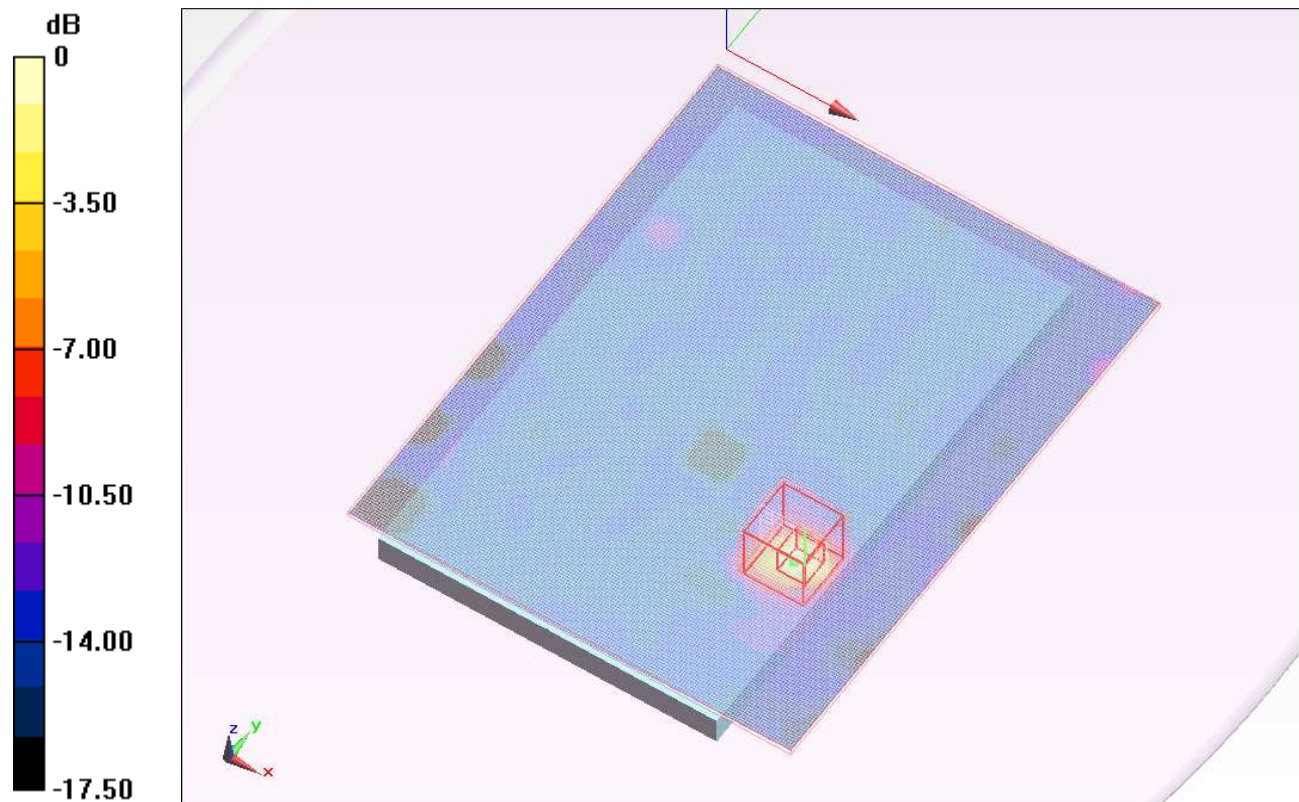
Bottom Face/802.11a_Ch 140/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 11.503 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.499 W/kg

SAR(1 g) = 0.416 mW/g; SAR(10 g) = 0.102 mW/g

Maximum value of SAR (measured) = 0.896 mW/g



Test Laboratory: UL CCS SAR Lab C

5.5GHz Band

Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5510 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5510$ MHz; $\sigma = 5.794$ mho/m; $\epsilon_r = 52.053$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

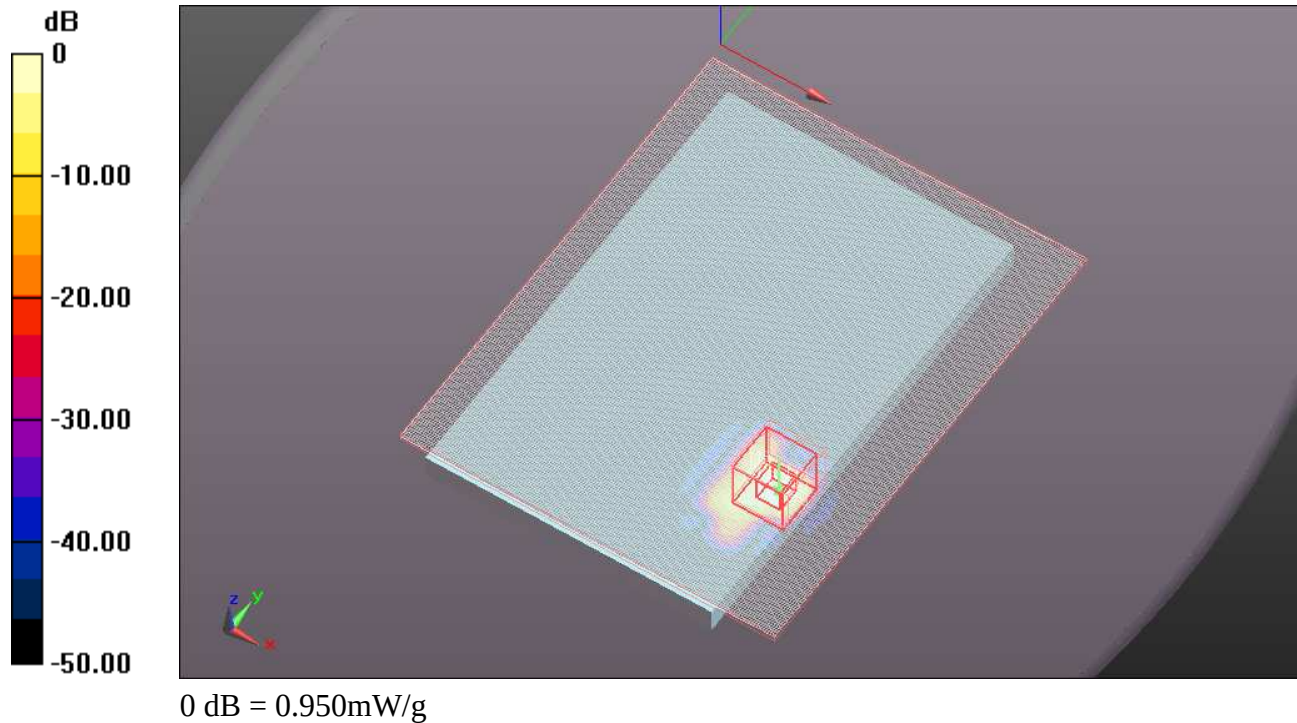
Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

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 - SN3772; ConvF(3.5, 3.5, 3.5); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: ELI v4.0 (B); Type: QDOVA001BB; Serial: 1121
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Bottom Face/802.11n_Ch 102/Area Scan (161x201x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 1.206 mW/g

Bottom Face/802.11n_Ch 102/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
 Reference Value = 9.502 V/m; Power Drift = 0.16 dB
 Peak SAR (extrapolated) = 2.088 W/kg
SAR(1 g) = 0.446 mW/g; SAR(10 g) = 0.098 mW/g
 Maximum value of SAR (measured) = 0.954 mW/g



Test Laboratory: UL CCS SAR Lab A

5.5GHz Band

Communication System: IEEE 802.11 a/n 5 GHz Bands; Frequency: 5670 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5670$ MHz; $\sigma = 6.037$ mho/m; $\epsilon_r = 51.747$; $\rho = 1000$ 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 - SN3686; ConvF(3.29, 3.29, 3.29); 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(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Bottom Face/802.11n_Ch 134/Area Scan (161x201x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.142 mW/g

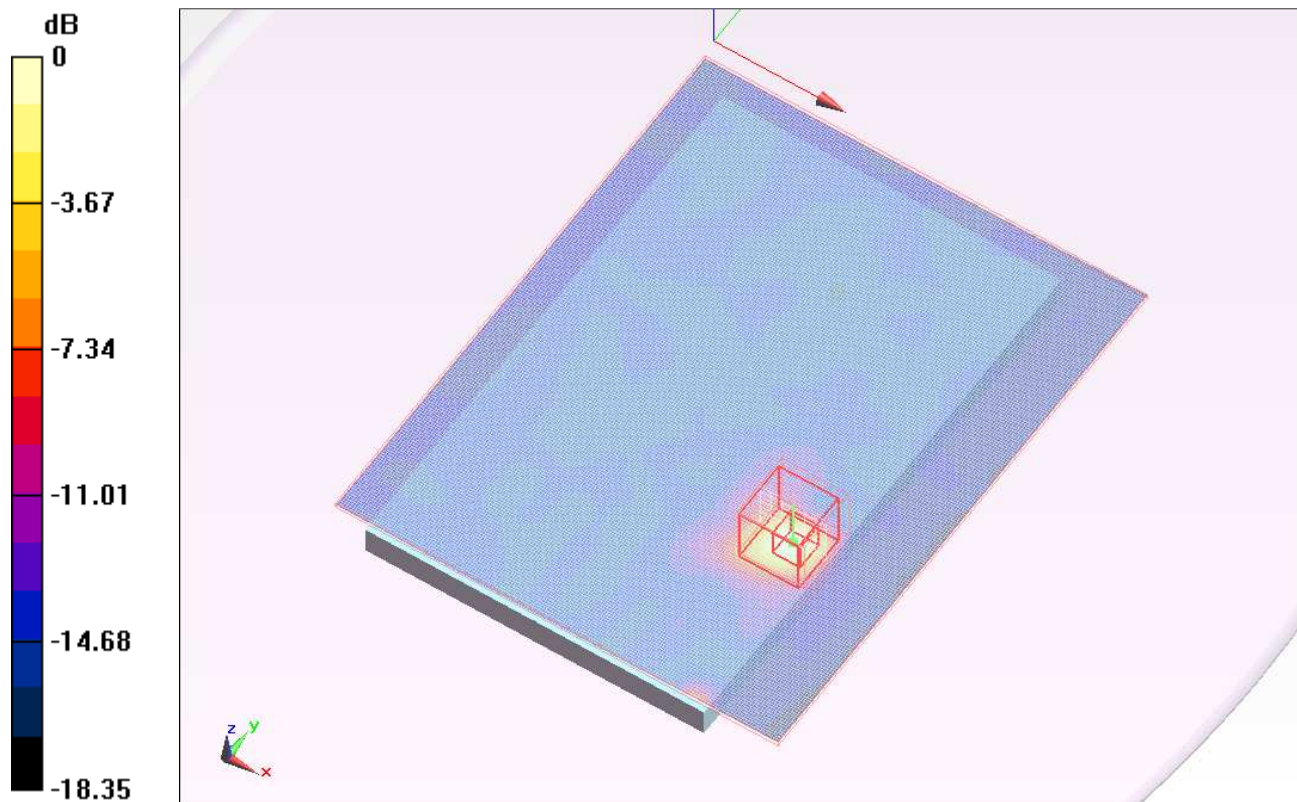
Bottom Face/802.11n_Ch 134/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 11.407 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.824 W/kg

SAR(1 g) = 0.618 mW/g; SAR(10 g) = 0.182 mW/g

Maximum value of SAR (measured) = 1.104 mW/g



0 dB = 1.100mW/g

Test Laboratory: UL CCS SAR Lab A

5.5GHz Band

Communication System: IEEE 802.11 a/n 5 GHz Bands; Frequency: 5700 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5700 \text{ MHz}$; $\sigma = 6.084 \text{ mho/m}$; $\epsilon_r = 51.687$; $\rho = 1000 \text{ kg/m}^3$

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 - SN3686; ConvF(3.29, 3.29, 3.29); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Secondary Portrait/802.11n_Ch 140/Area Scan (101x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.320 mW/g

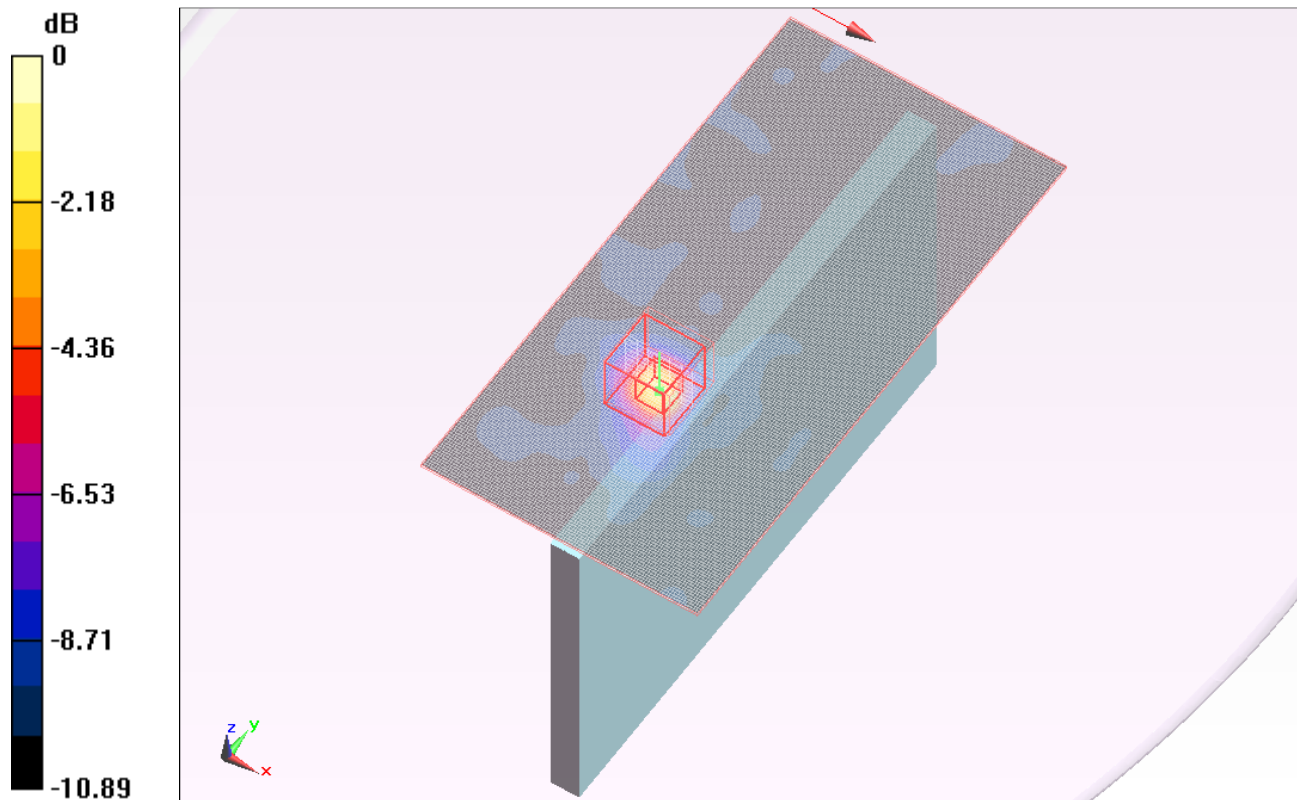
Secondary Portrait/802.11n_Ch 140/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 6.648 V/m; Power Drift = -0.0099 dB

Peak SAR (extrapolated) = 1.294 W/kg

SAR(1 g) = 0.243 mW/g; SAR(10 g) = 0.088 mW/g

Maximum value of SAR (measured) = 0.417 mW/g



Test Laboratory: UL CCS SAR Lab A

5.5GHz Band

Communication System: IEEE 802.11 a/n 5 GHz Bands; Frequency: 5670 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5670$ MHz; $\sigma = 6.037$ mho/m; $\epsilon_r = 51.747$; $\rho = 1000$ 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 - SN3686; ConvF(3.29, 3.29, 3.29); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Secondary Portrait/802.11n_Ch 134/Area Scan (101x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.450 mW/g

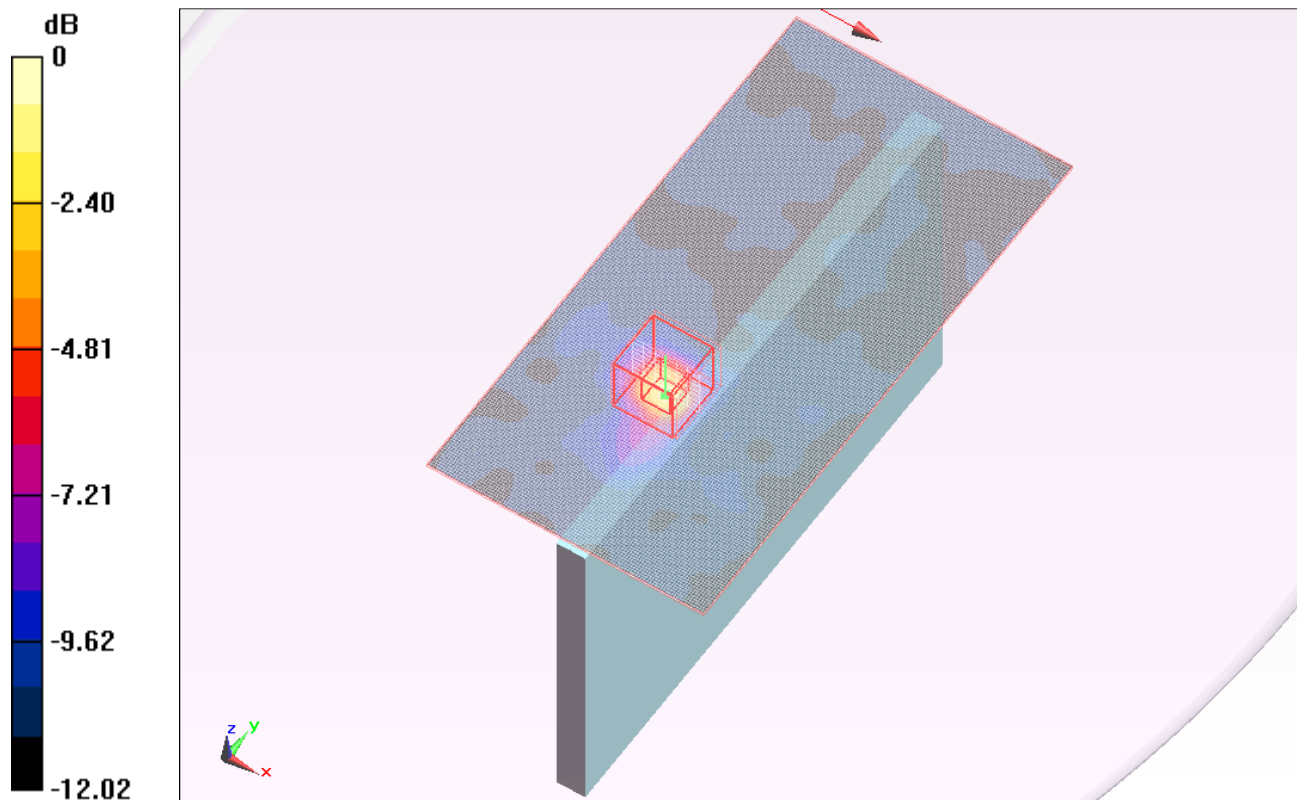
Secondary Portrait/802.11n_Ch 134/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 7.802 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.604 W/kg

SAR(1 g) = 0.321 mW/g; SAR(10 g) = 0.108 mW/g

Maximum value of SAR (measured) = 0.566 mW/g



Test Laboratory: UL CCS SAR Lab A

5.8GHz Band

Communication System: IEEE 802.11 a/n 5 GHz Bands; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5785$ MHz; $\sigma = 6.203$ mho/m; $\epsilon_r = 51.551$; $\rho = 1000$ 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 - SN3686; ConvF(3.7, 3.7, 3.7); 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(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Bottom Face/802.11a_Ch 157/Area Scan (161x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.014 mW/g

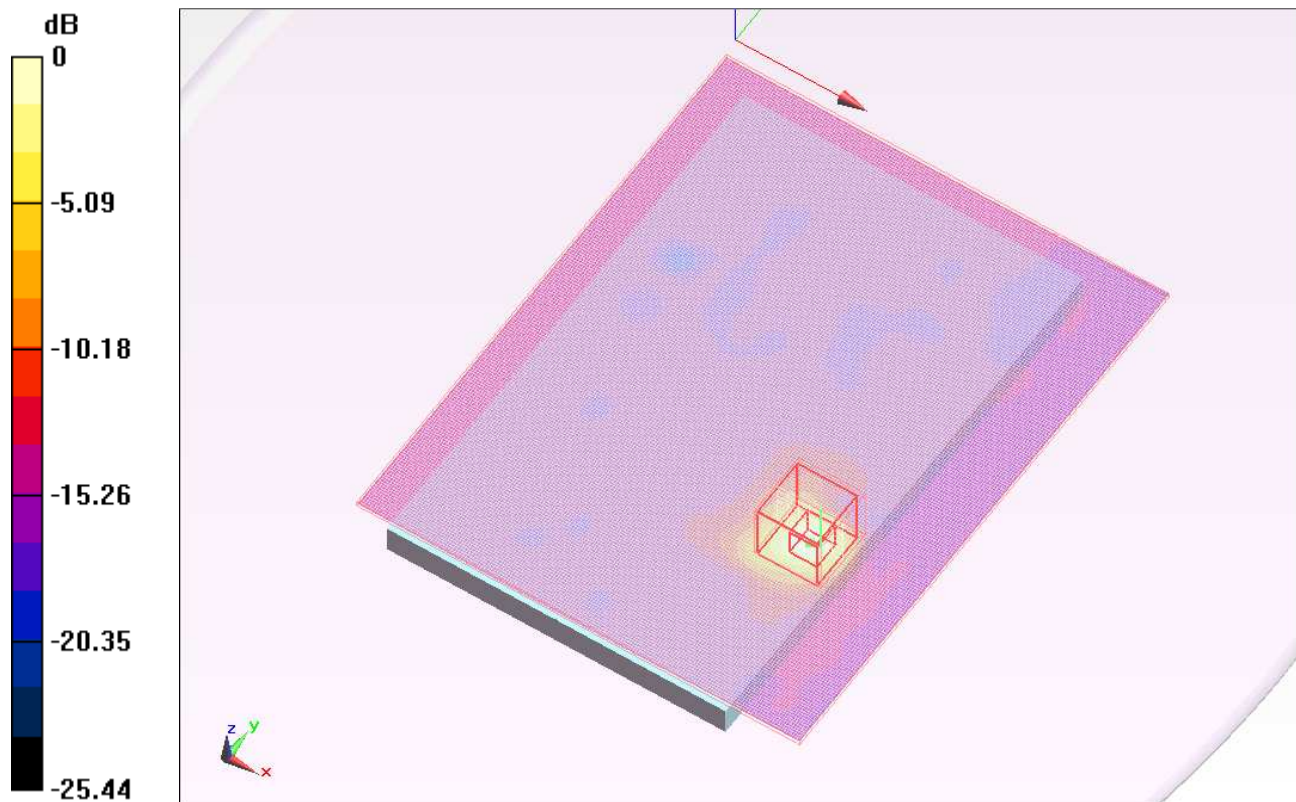
Bottom Face/802.11a_Ch 157/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 12.300 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 3.010 W/kg

SAR(1 g) = 0.614 mW/g; SAR(10 g) = 0.187 mW/g

Maximum value of SAR (measured) = 1.091 mW/g



0 dB = 1.090mW/g

Test Laboratory: UL CCS SAR Lab A

5.8GHz Band

Communication System: IEEE 802.11 a/n 5 GHz Bands; Frequency: 5795 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5795$ MHz; $\sigma = 6.221$ mho/m; $\epsilon_r = 51.528$; $\rho = 1000$ 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 - SN3686; ConvF(3.7, 3.7, 3.7); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Bottom Face/802.11n_Ch 159/Area Scan (161x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.276 mW/g

Bottom Face/802.11n_Ch 159/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm,

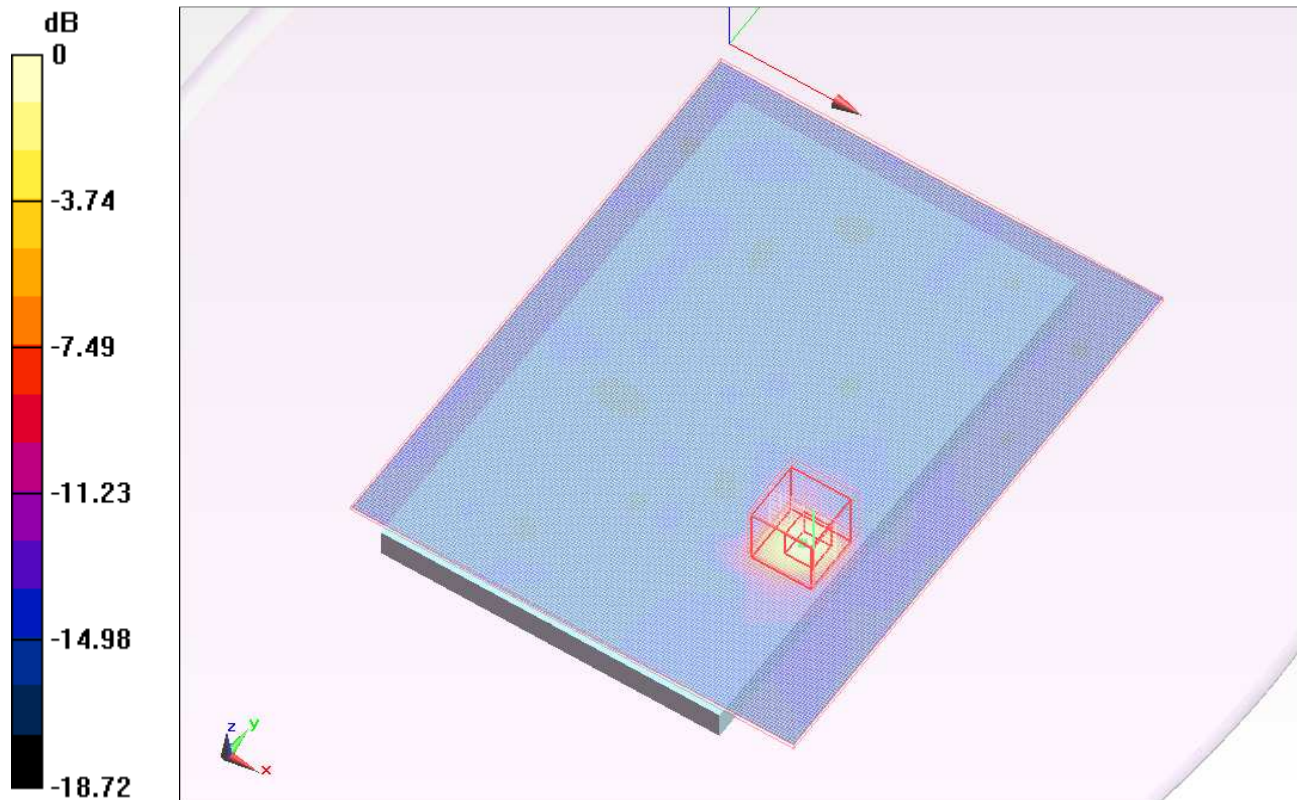
dz=2.5mm

Reference Value = 12.086 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 3.691 W/kg

SAR(1 g) = 0.744 mW/g; SAR(10 g) = 0.213 mW/g

Maximum value of SAR (measured) = 1.398 mW/g

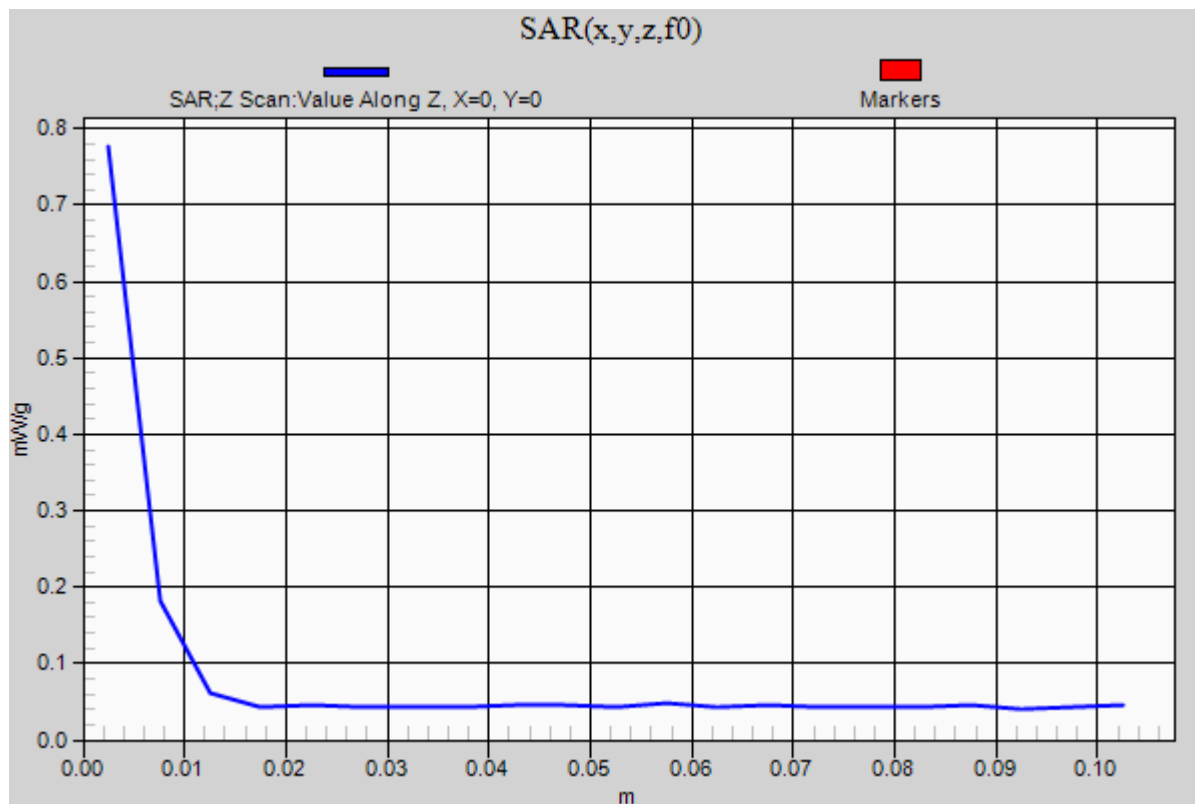


Test Laboratory: UL CCS SAR Lab A

5.8GHz Band

Communication System: IEEE 802.11 a/n 5 GHz Bands; Frequency: 5795 MHz; Duty Cycle: 1:1

Bottom Face/802.11n_Ch 159/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.776 mW/g



Test Laboratory: UL CCS SAR Lab A

5.8GHz Band

Communication System: IEEE 802.11 a/n 5 GHz Bands; Frequency: 5795 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5795$ MHz; $\sigma = 6.221$ mho/m; $\epsilon_r = 51.528$; $\rho = 1000$ 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 - SN3686; ConvF(3.7, 3.7, 3.7); 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(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Bottom Face/802.11n_Ch 159 with Headset/Area Scan (161x201x1): Measurement grid:

$dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 1.438 mW/g

Bottom Face/802.11n_Ch 159 with Headset/Zoom Scan (7x7x9)/Cube 0: Measurement grid:

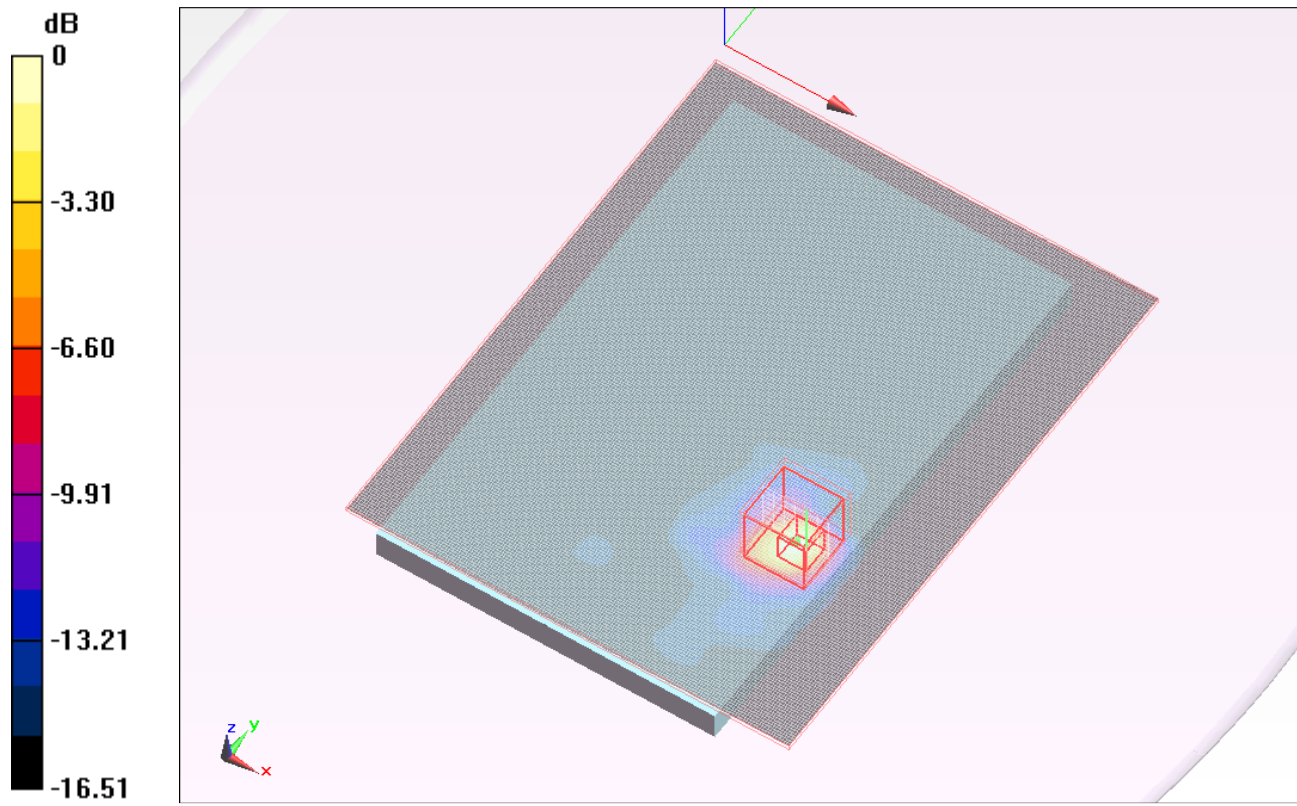
$dx=4$ mm, $dy=4$ mm, $dz=2.5$ mm

Reference Value = 13.923 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 3.770 W/kg

SAR(1 g) = 0.775 mW/g; SAR(10 g) = 0.219 mW/g

Maximum value of SAR (measured) = 1.465 mW/g



Test Laboratory: UL CCS SAR Lab A

5.8GHz Band

Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5785$ MHz; $\sigma = 6.203$ mho/m; $\epsilon_r = 51.551$; $\rho = 1000$ 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 - SN3686; ConvF(3.7, 3.7, 3.7); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Secondary Portrait/802.11a_Ch 157/Area Scan (101x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.513 mW/g

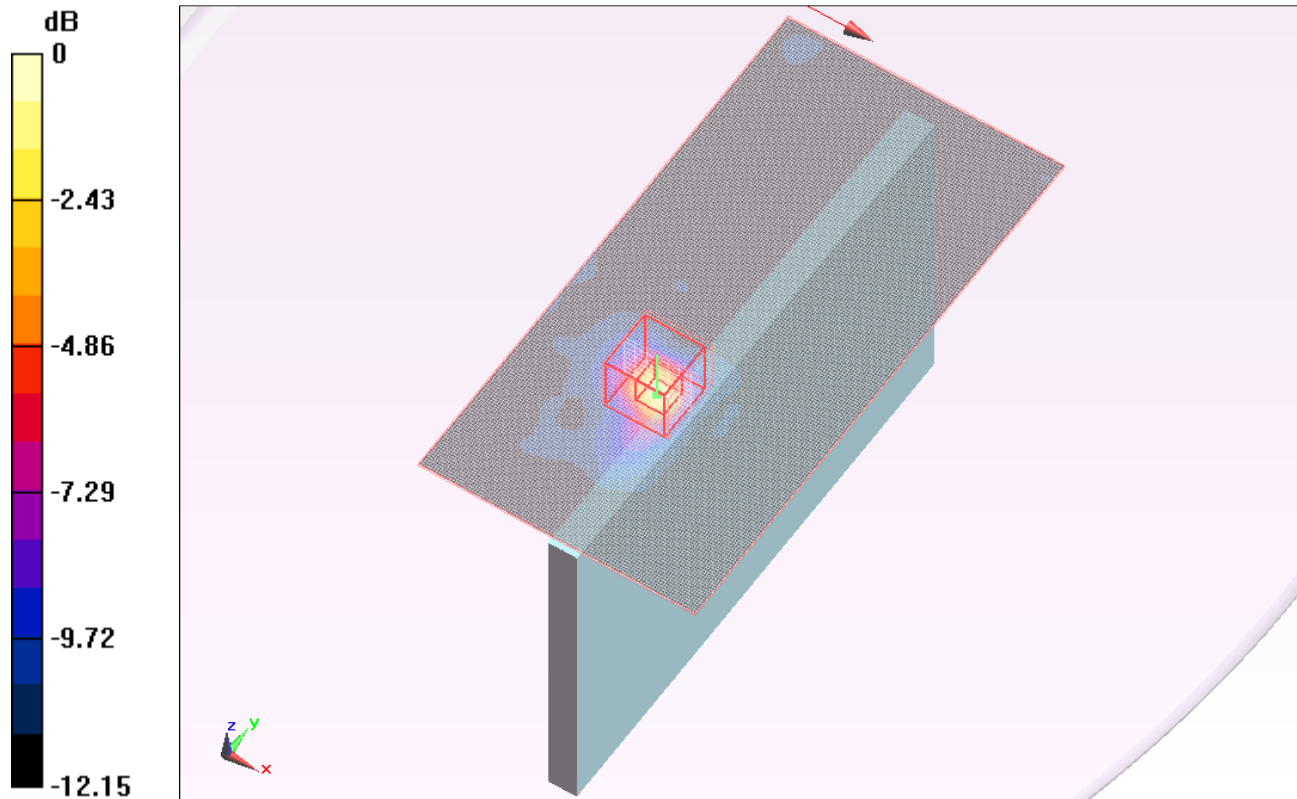
Secondary Portrait/802.11a_Ch 157/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 8.222 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.709 W/kg

SAR(1 g) = 0.348 mW/g; SAR(10 g) = 0.112 mW/g

Maximum value of SAR (measured) = 0.622 mW/g



Test Laboratory: UL CCS SAR Lab A

5.8GHz Band

Communication System: IEEE 802.11 a/n 5 GHz Bands; Frequency: 5795 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5795$ MHz; $\sigma = 6.221$ mho/m; $\epsilon_r = 51.528$; $\rho = 1000$ 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 - SN3686; ConvF(3.7, 3.7, 3.7); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Secondary Portrait/802.11n_Ch 159/Area Scan (101x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.545 mW/g

Secondary Portrait/802.11n_Ch 159/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 7.819 V/m; Power Drift = 0.0037 dB

Peak SAR (extrapolated) = 1.589 W/kg

SAR(1 g) = 0.343 mW/g; SAR(10 g) = 0.112 mW/g

Maximum value of SAR (measured) = 0.631 mW/g

