

Test Laboratory: UL CCS SAR Lab C

WiFi 5GHz Head

Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5180 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5180$ MHz; $\sigma = 4.755$ mho/m; $\epsilon_r = 36.727$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

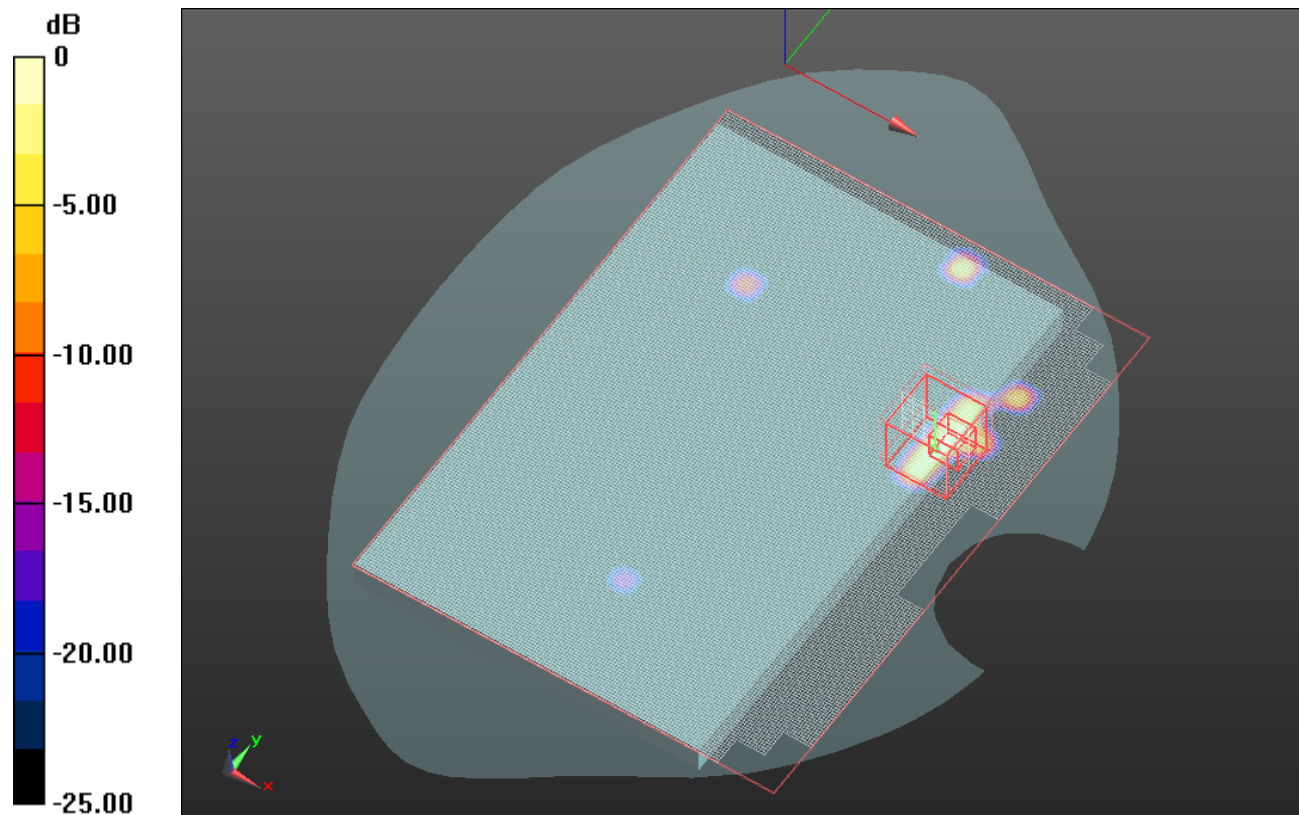
Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

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(4.49, 4.49, 4.49); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Flat Phantom/802.11a_ch 36/Area Scan (151x201x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.027 mW/g

Flat Phantom/802.11a_ch 36/(Do not use) Zoom Scan (7x7x9)/Cube 0: Measurement grid:
 dx=4mm, dy=4mm, dz=2.5mm
 Reference Value = 2.213 V/m; Power Drift = -0.13 dB
 Peak SAR (extrapolated) = 0.123 W/kg
SAR(1 g) = 0.0099 mW/g; SAR(10 g) = 0.00215 mW/g
 Maximum value of SAR (measured) = 0.027 mW/g



0 dB = 0.030mW/g

Test Laboratory: UL CCS SAR Lab C

WiFi 5GHz Head

Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5230 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5230$ MHz; $\sigma = 4.809$ mho/m; $\epsilon_r = 36.689$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

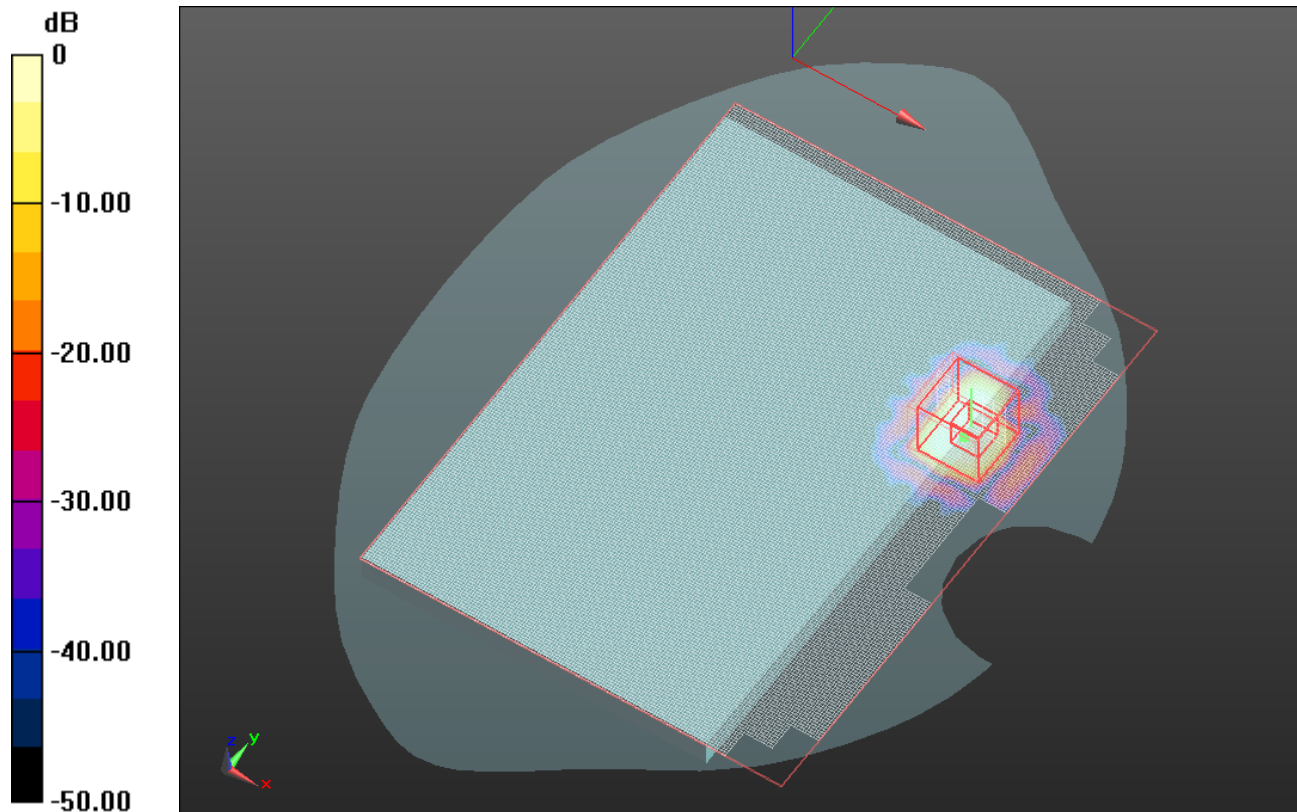
Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

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(4.49, 4.49, 4.49); 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 Sn1257; Calibrated: 5/3/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Flat Phantom/802.11n_ch 46/Area Scan (151x201x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.036 mW/g

Flat Phantom/802.11n_ch 46/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
 Reference Value = 2.518 V/m; Power Drift = 0.15 dB
 Peak SAR (extrapolated) = 0.140 W/kg
SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.00736 mW/g
 Maximum value of SAR (measured) = 0.031 mW/g



0 dB = 0.030mW/g

Test Laboratory: UL CCS SAR Lab C

WiFi 5GHz Head

Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5320$ MHz; $\sigma = 4.916$ mho/m; $\epsilon_r = 36.535$; $\rho = 1000$ 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(4.2, 4.2, 4.2); 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 Sn1257; Calibrated: 5/3/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Flat Phantom/802.11a_ch 64/Area Scan (151x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.075 mW/g

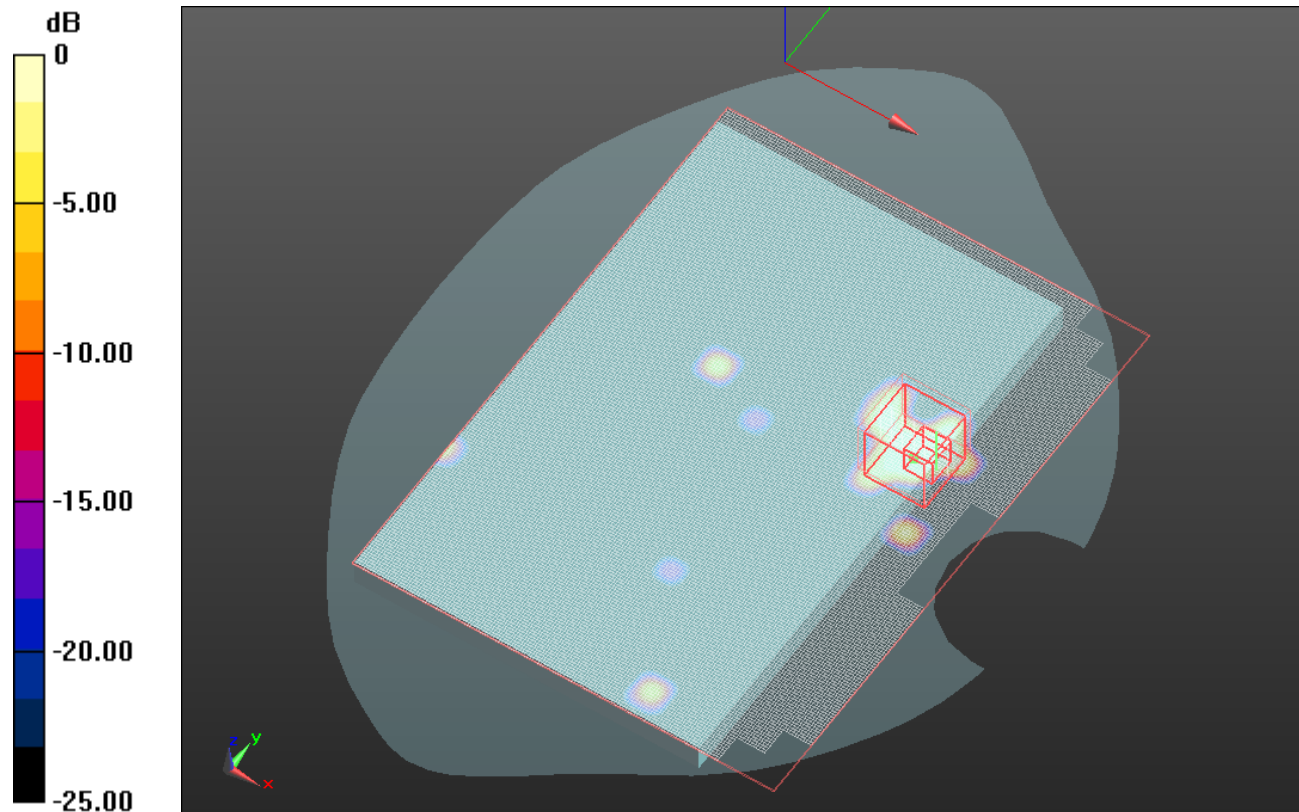
Flat Phantom/802.11a_ch 64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.358 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.137 W/kg

SAR(1 g) = 0.00781 mW/g; SAR(10 g) = 0.000948 mW/g

Maximum value of SAR (measured) = 0.024 mW/g



0 dB = 0.020mW/g

Test Laboratory: UL CCS SAR Lab C

WiFi 5GHz Head

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

Medium parameters used: $f = 5270$ MHz; $\sigma = 4.854$ mho/m; $\epsilon_r = 36.587$; $\rho = 1000$ 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(4.2, 4.2, 4.2); 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 Sn1257; Calibrated: 5/3/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Flat Phantom/802.11n_ch 54/Area Scan (151x201x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.080 mW/g

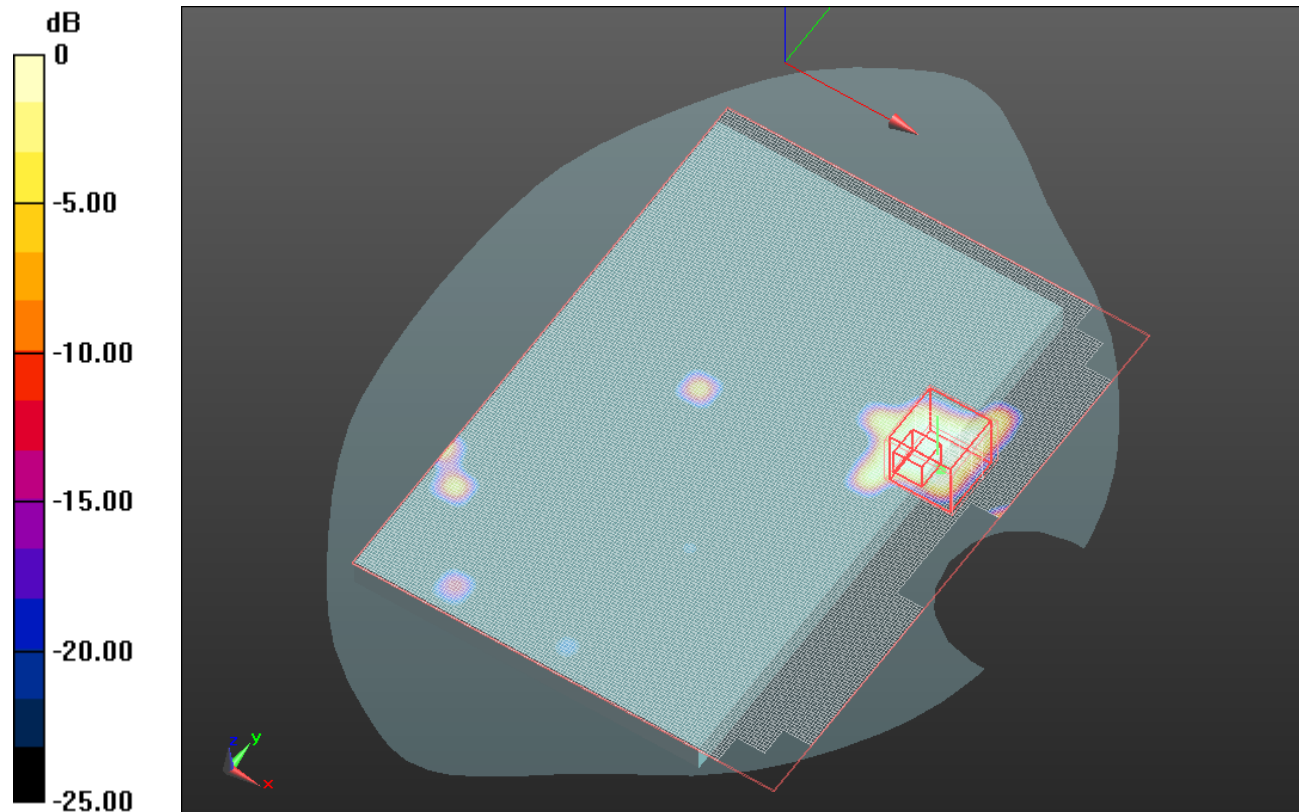
Flat Phantom/802.11n_ch 54/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.678 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.217 W/kg

SAR(1 g) = 0.023 mW/g; SAR(10 g) = 0.00666 mW/g

Maximum value of SAR (measured) = 0.037 mW/g



0 dB = 0.040mW/g

Test Laboratory: UL CCS SAR Lab C

WiFi 5GHz Head

Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5700 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5700$ MHz; $\sigma = 5.351$ mho/m; $\epsilon_r = 35.874$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

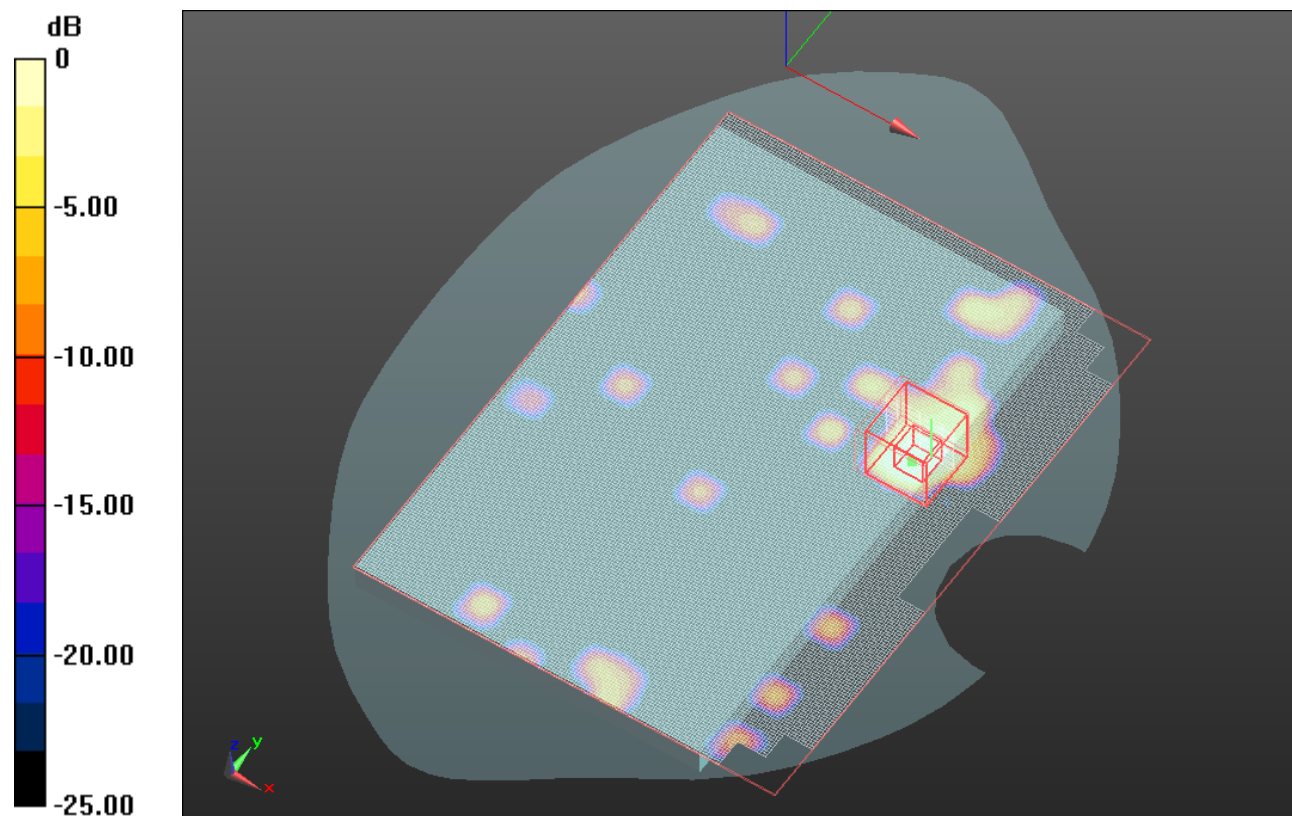
Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

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(4.1, 4.1, 4.1); 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 Sn1257; Calibrated: 5/3/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Flat Phantom/802.11a_ch 140/Area Scan (151x201x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.050 mW/g

Flat Phantom/802.11a_ch 140/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
 Reference Value = 2.376 V/m; Power Drift = -0.10 dB
 Peak SAR (extrapolated) = 0.236 W/kg
SAR(1 g) = 0.025 mW/g; SAR(10 g) = 0.00773 mW/g
 Maximum value of SAR (measured) = 0.041 mW/g



0 dB = 0.040mW/g

Test Laboratory: UL CCS SAR Lab C

WiFi 5GHz Head

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

Medium parameters used: $f = 5670$ MHz; $\sigma = 5.313$ mho/m; $\epsilon_r = 35.932$; $\rho = 1000$ 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(3.88, 3.88, 3.88); 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 Sn1257; Calibrated: 5/3/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

Flat Phantom/802.11n_ch 134/Area Scan (151x201x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.056 mW/g

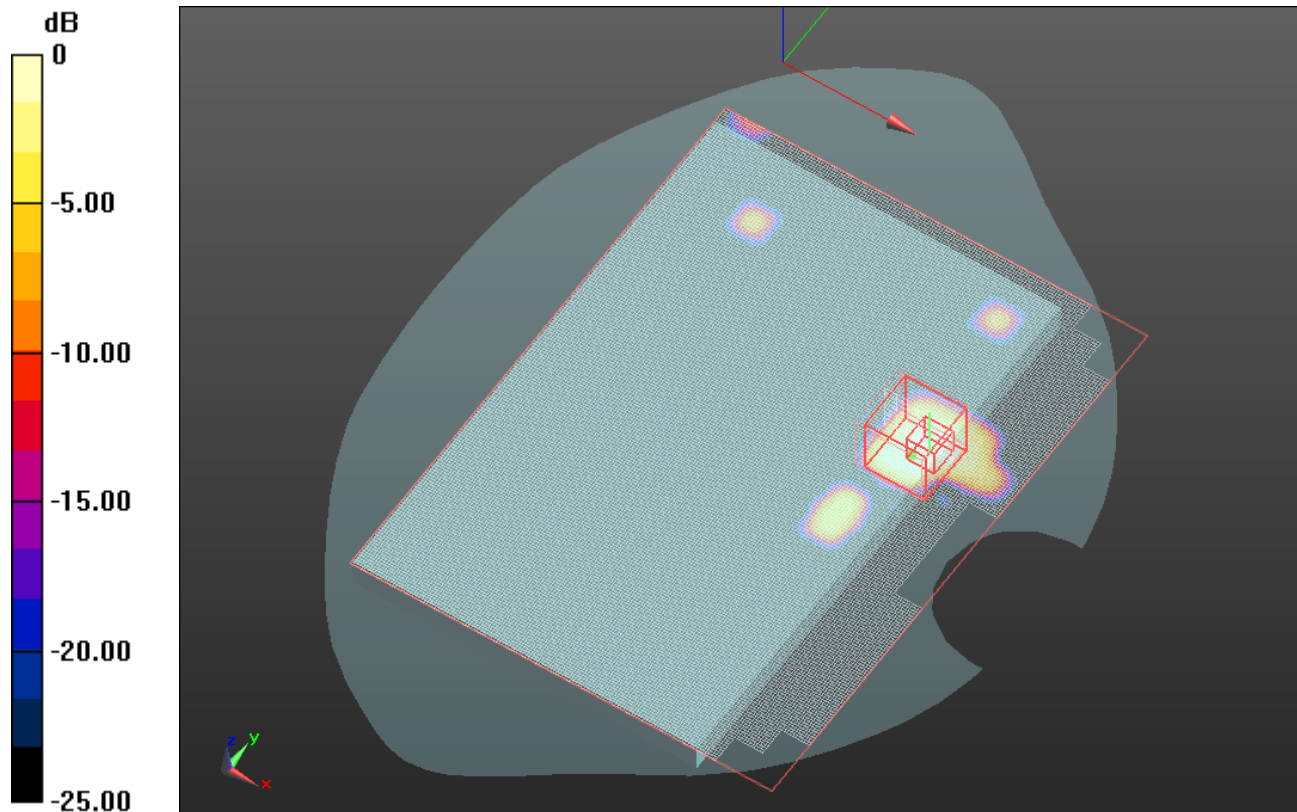
Flat Phantom/802.11n_ch 134/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.091 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.300 W/kg

SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.012 mW/g

Maximum value of SAR (measured) = 0.046 mW/g



0 dB = 0.050mW/g

Test Laboratory: UL CCS SAR Lab C

WiFi 5GHz Head

Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5825 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5825$ MHz; $\sigma = 5.496$ mho/m; $\epsilon_r = 35.669$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

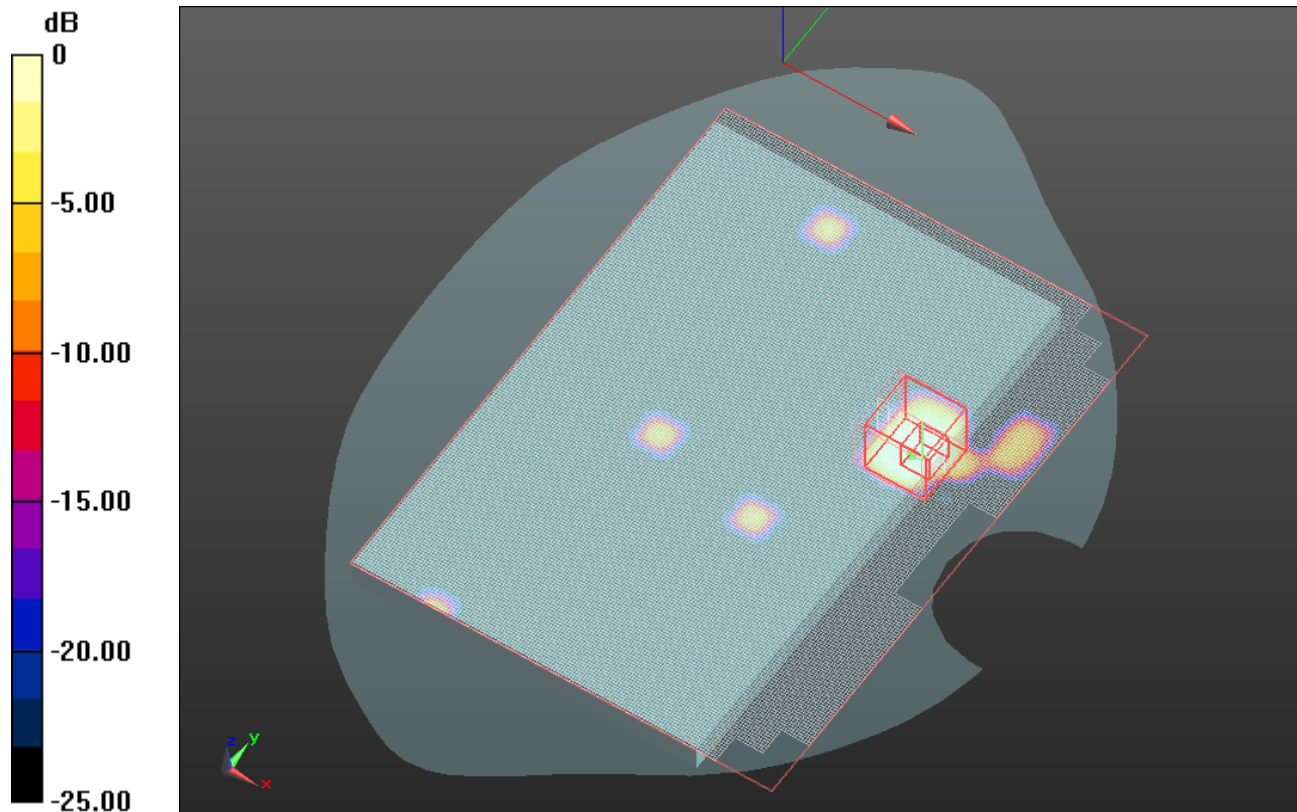
Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

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(4.1, 4.1, 4.1); 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 Sn1257; Calibrated: 5/3/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Flat Phantom/802.11a_ch 165/Area Scan (151x201x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.057 mW/g

Flat Phantom/802.11a_ch 165/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
 Reference Value = 2.772 V/m; Power Drift = 0.12 dB
 Peak SAR (extrapolated) = 0.311 W/kg
SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.010 mW/g
 Maximum value of SAR (measured) = 0.040 mW/g



0 dB = 0.040mW/g

Test Laboratory: UL CCS SAR Lab C

WiFi 5GHz Head

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

Medium parameters used: $f = 5795$ MHz; $\sigma = 5.462$ mho/m; $\epsilon_r = 35.706$; $\rho = 1000$ 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(4.1, 4.1, 4.1); 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 Sn1257; Calibrated: 5/3/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Flat Phantom/802.11n_ch 159/Area Scan (151x201x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.085 mW/g

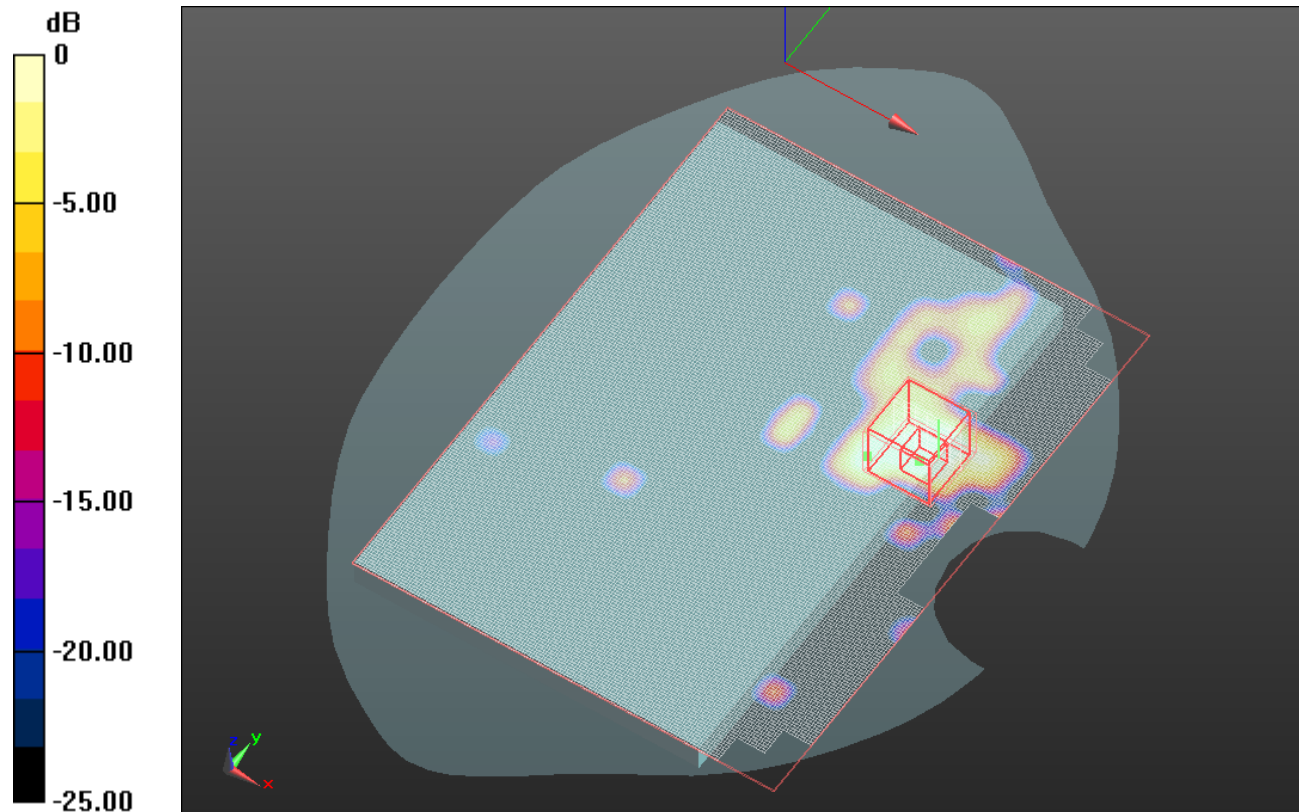
Flat Phantom/802.11n_ch 159/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.208 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.237 W/kg

SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.013 mW/g

Maximum value of SAR (measured) = 0.058 mW/g

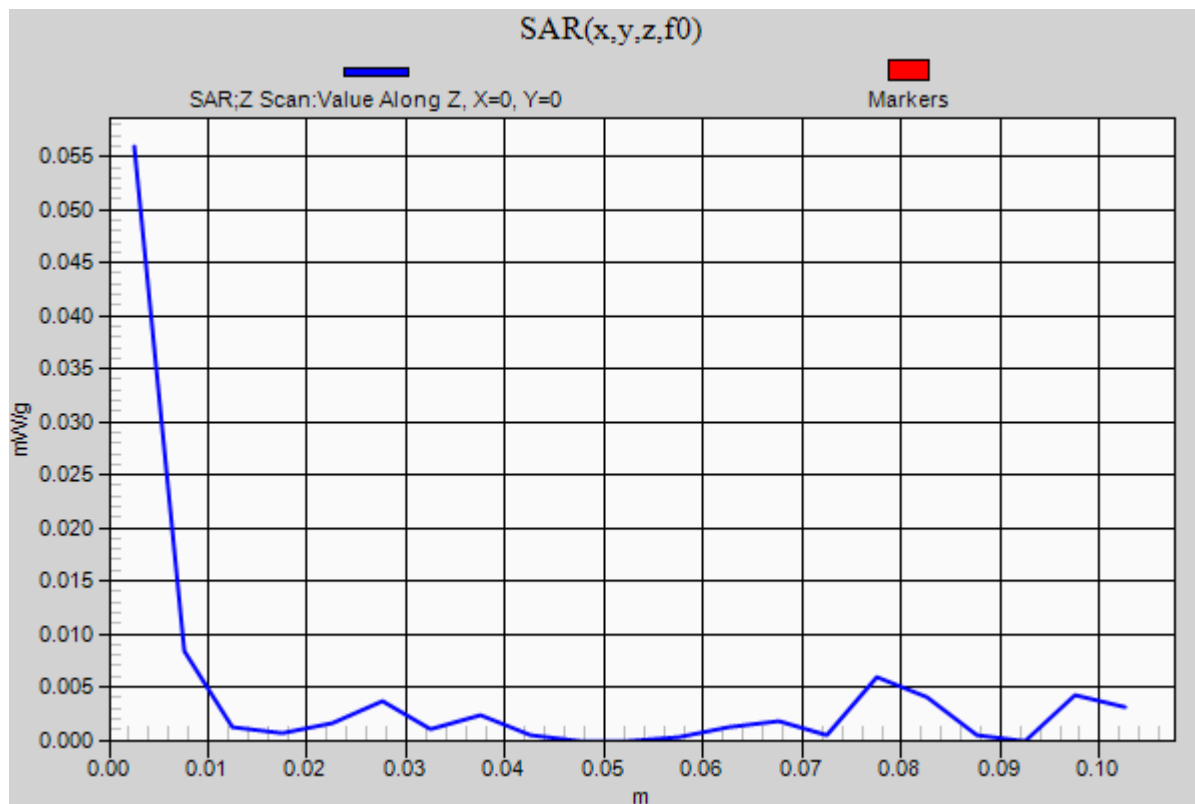


0 dB = 0.060mW/g

Test Laboratory: UL CCS SAR Lab C

WiFi 5GHz Head

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

Flat Phantom/802.11n_ch 159/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.056 mW/g

Test Laboratory: UL CCS SAR Lab C

WiFi 5GHz Body

Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5180 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5180$ MHz; $\sigma = 5.318$ mho/m; $\epsilon_r = 52.678$; $\rho = 1000$ 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(4.05, 4.05, 4.05); 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)

Rear/802.11a_Ch 36/Area Scan (151x191x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.550 mW/g

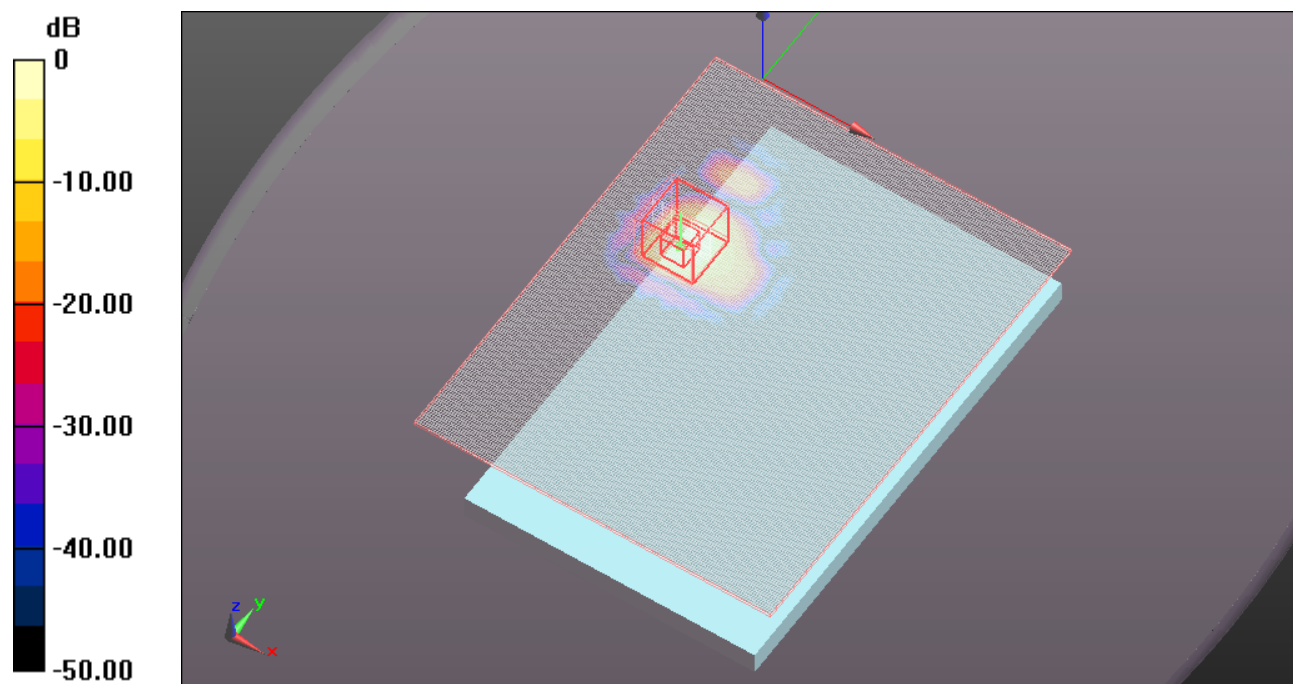
Rear/802.11a_Ch 36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 9.397 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 2.362 W/kg

SAR(1 g) = 0.522 mW/g; SAR(10 g) = 0.113 mW/g

Maximum value of SAR (measured) = 1.114 mW/g



0 dB = 1.110mW/g

Test Laboratory: UL CCS SAR Lab C

WiFi 5GHz Body

Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5230 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5230$ MHz; $\sigma = 5.386$ mho/m; $\epsilon_r = 52.647$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

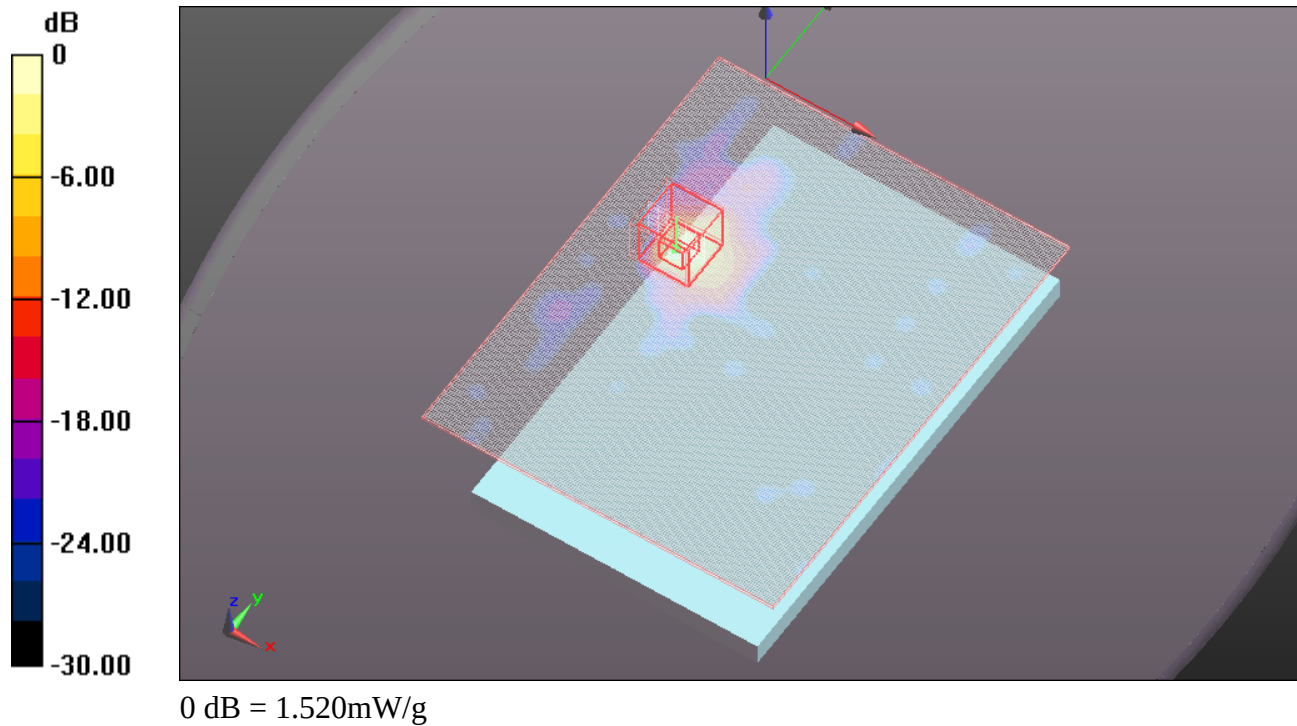
Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

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(4.05, 4.05, 4.05); 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 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)

Rear/802.11n HT40_Ch 46/Area Scan (151x191x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 1.193 mW/g

Rear/802.11n HT40_Ch 46/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
 Reference Value = 12.634 V/m; Power Drift = 0.14 dB
 Peak SAR (extrapolated) = 3.135 W/kg
SAR(1 g) = 0.707 mW/g; SAR(10 g) = 0.154 mW/g
 Maximum value of SAR (measured) = 1.524 mW/g

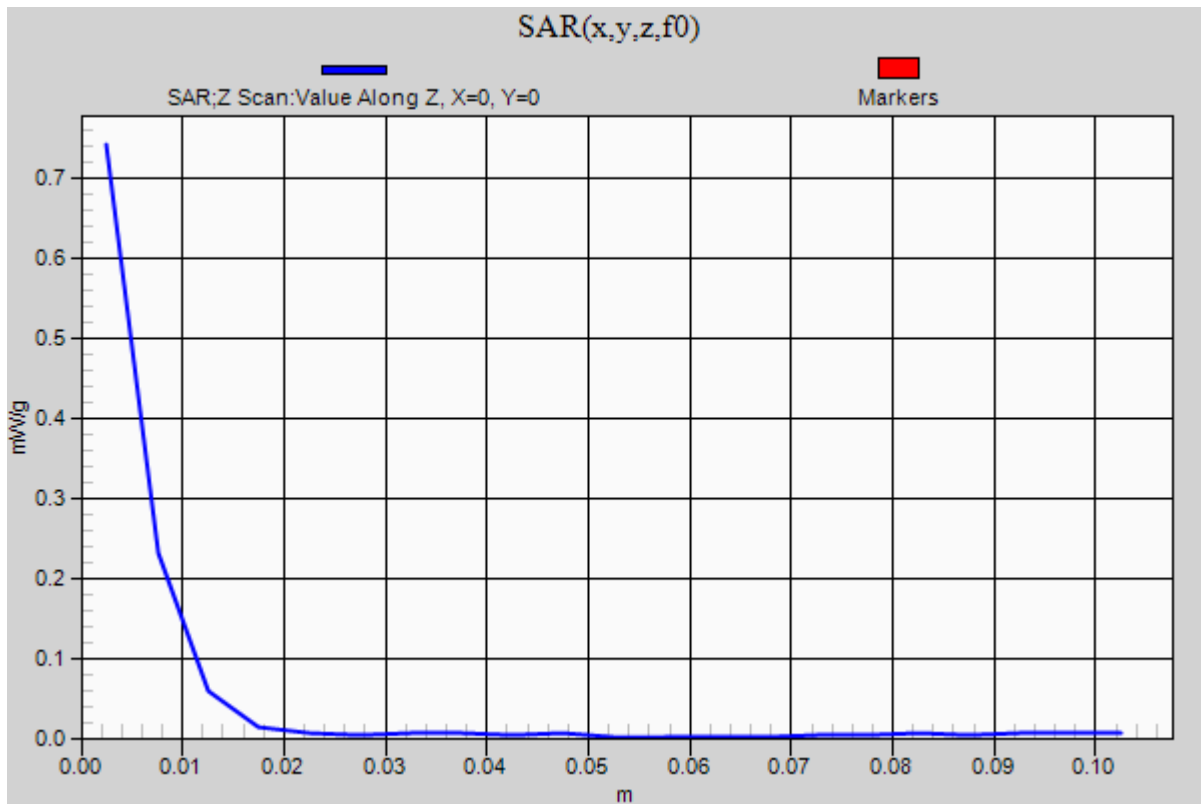


Test Laboratory: UL CCS SAR Lab C

WiFi 5GHz Body

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

Rear/802.11n HT40_Ch 46/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.742 mW/g



Test Laboratory: UL CCS SAR Lab C

WiFi 5GHz Body

Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5180$ MHz; $\sigma = 5.25$ mho/m; $\epsilon_r = 51.989$; $\rho = 1000$ 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(4.05, 4.05, 4.05); 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)

Left-edge/802.11a_Ch 36/Area Scan (71x191x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.147 mW/g

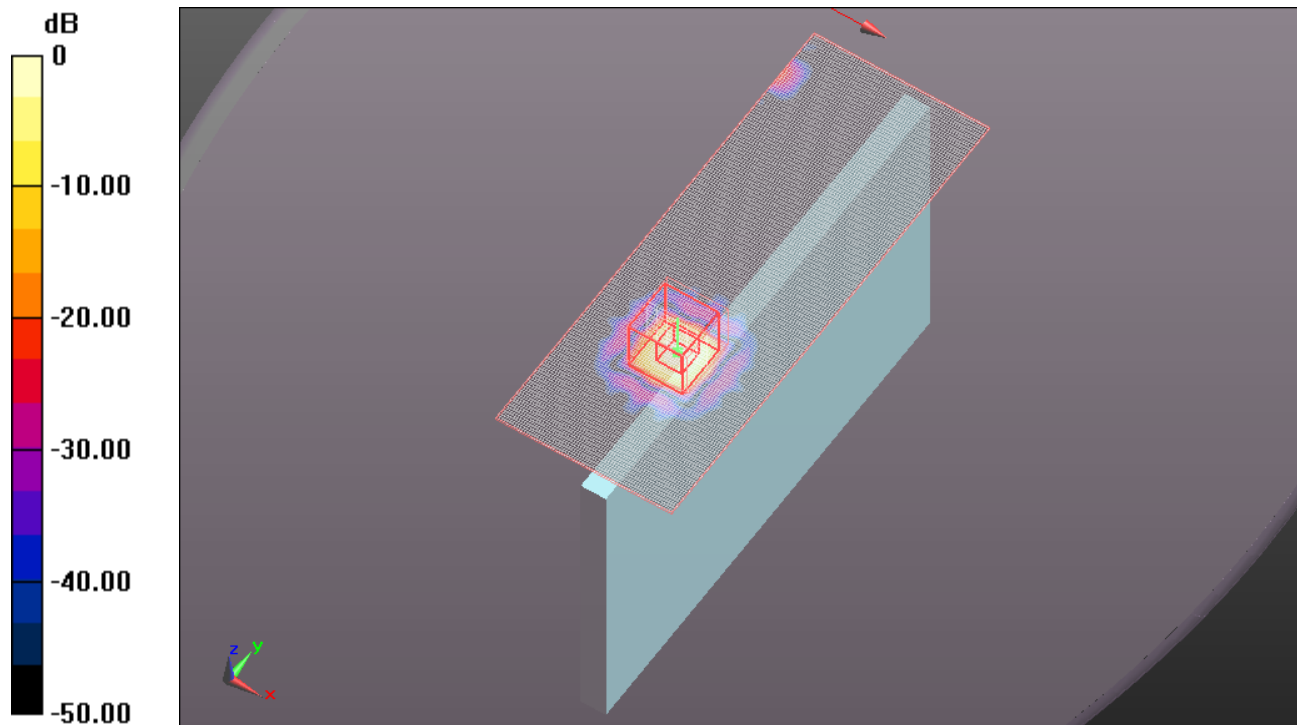
Left-edge/802.11a_Ch 36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 5.052 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.458 W/kg

SAR(1 g) = 0.117 mW/g; SAR(10 g) = 0.028 mW/g

Maximum value of SAR (measured) = 0.235 mW/g



0 dB = 0.230mW/g

Test Laboratory: UL CCS SAR Lab C

WiFi 5GHz Body

Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5230 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5230$ MHz; $\sigma = 5.319$ mho/m; $\epsilon_r = 51.919$; $\rho = 1000$ 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(4.05, 4.05, 4.05); 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 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)

Left-edge/802.11n HT40_Ch 46/Area Scan (71x191x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.501 mW/g

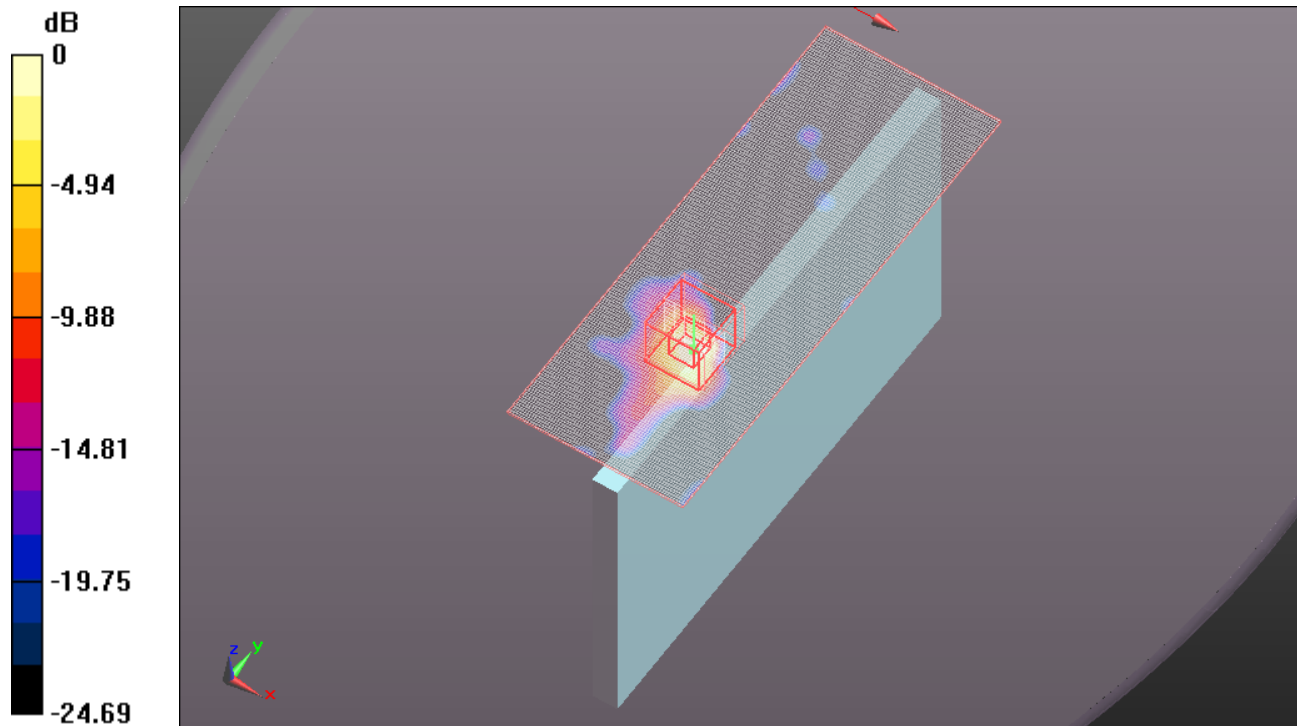
Left-edge/802.11n HT40_Ch 46/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 6.155 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.704 W/kg

SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.047 mW/g

Maximum value of SAR (measured) = 0.355 mW/g



0 dB = 0.350mW/g

Test Laboratory: UL CCS SAR Lab C

WiFi 5GHz Body

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

Medium parameters used: $f = 5300$ MHz; $\sigma = 5.495$ mho/m; $\epsilon_r = 52.46$; $\rho = 1000$ 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(3.85, 3.85, 3.85); 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 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)

Rear/802.11a_Ch 60/Area Scan (151x191x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.741 mW/g

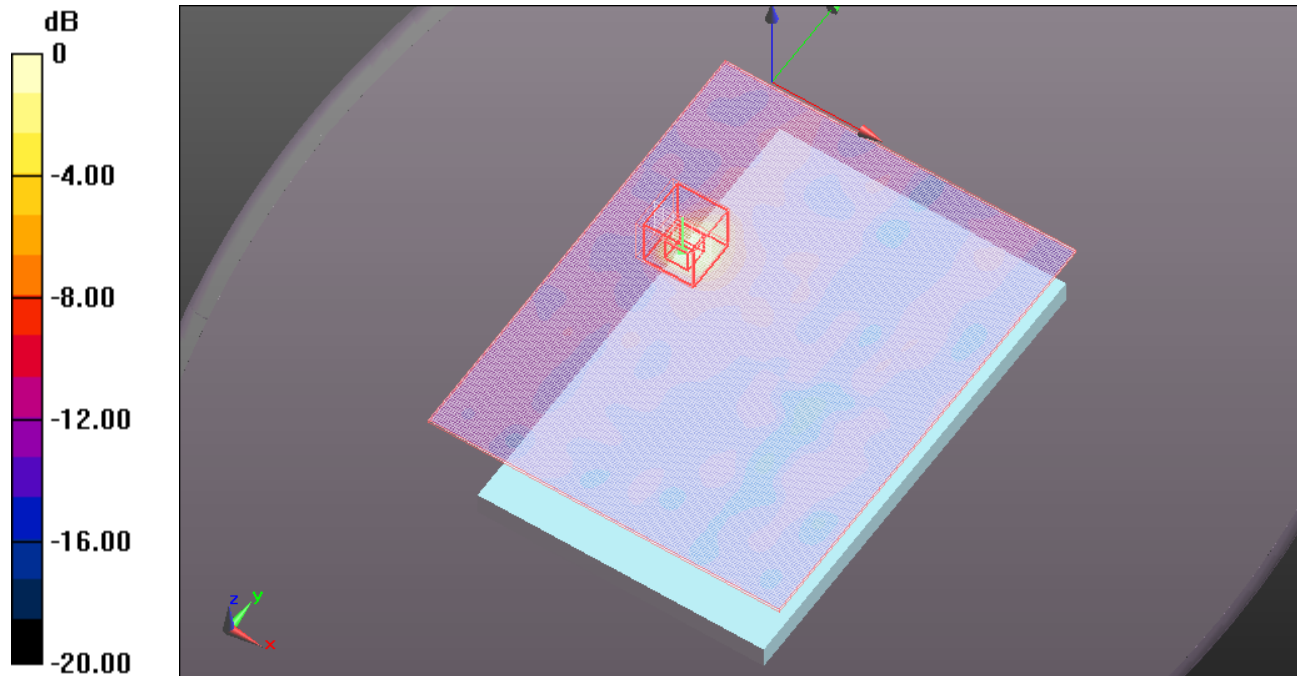
Rear/802.11a_Ch 60/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 10.975 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 2.034 W/kg

SAR(1 g) = 0.455 mW/g; SAR(10 g) = 0.140 mW/g

Maximum value of SAR (measured) = 0.912 mW/g



0 dB = 0.910mW/g

Test Laboratory: UL CCS SAR Lab C

WiFi 5GHz Body

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

Medium parameters used: $f = 5270$ MHz; $\sigma = 5.441$ mho/m; $\epsilon_r = 52.506$; $\rho = 1000$ 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(3.85, 3.85, 3.85); 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 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)

Rear/802.11n HT40_Ch 54/Area Scan (151x191x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.117 mW/g

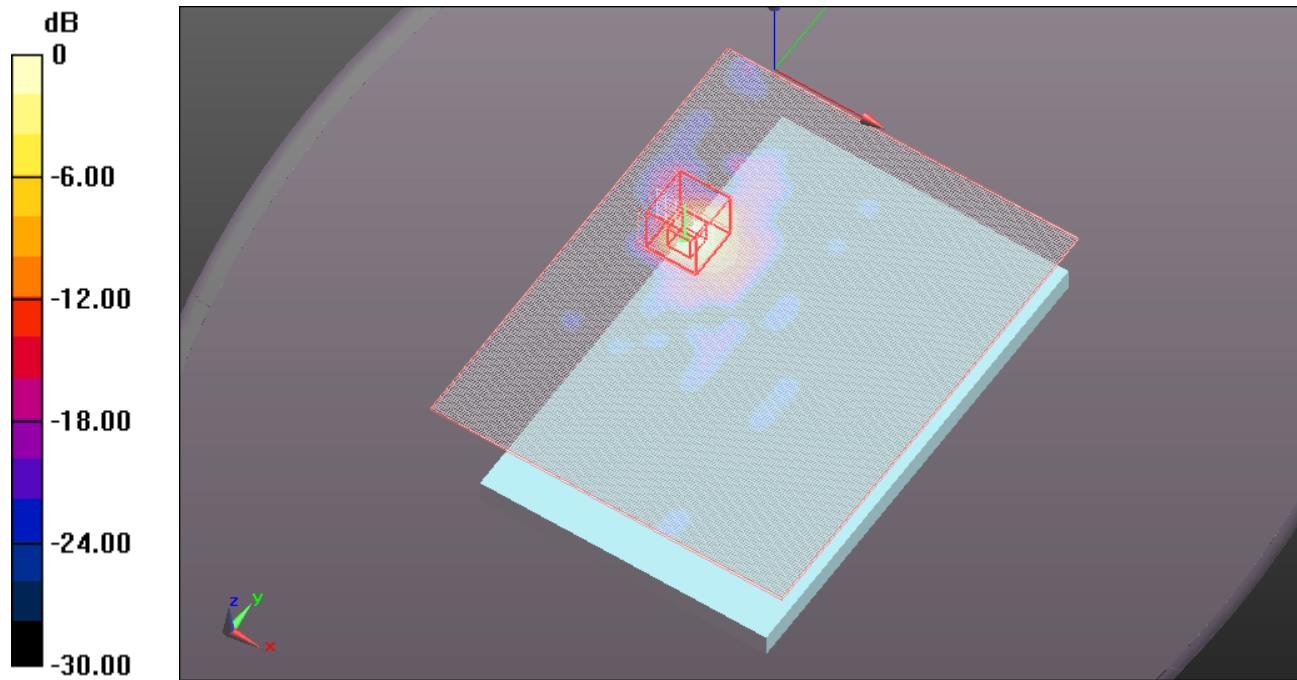
Rear/802.11n HT40_Ch 54/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 13.257 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 3.105 W/kg

SAR(1 g) = 0.703 mW/g; SAR(10 g) = 0.156 mW/g

Maximum value of SAR (measured) = 1.485 mW/g



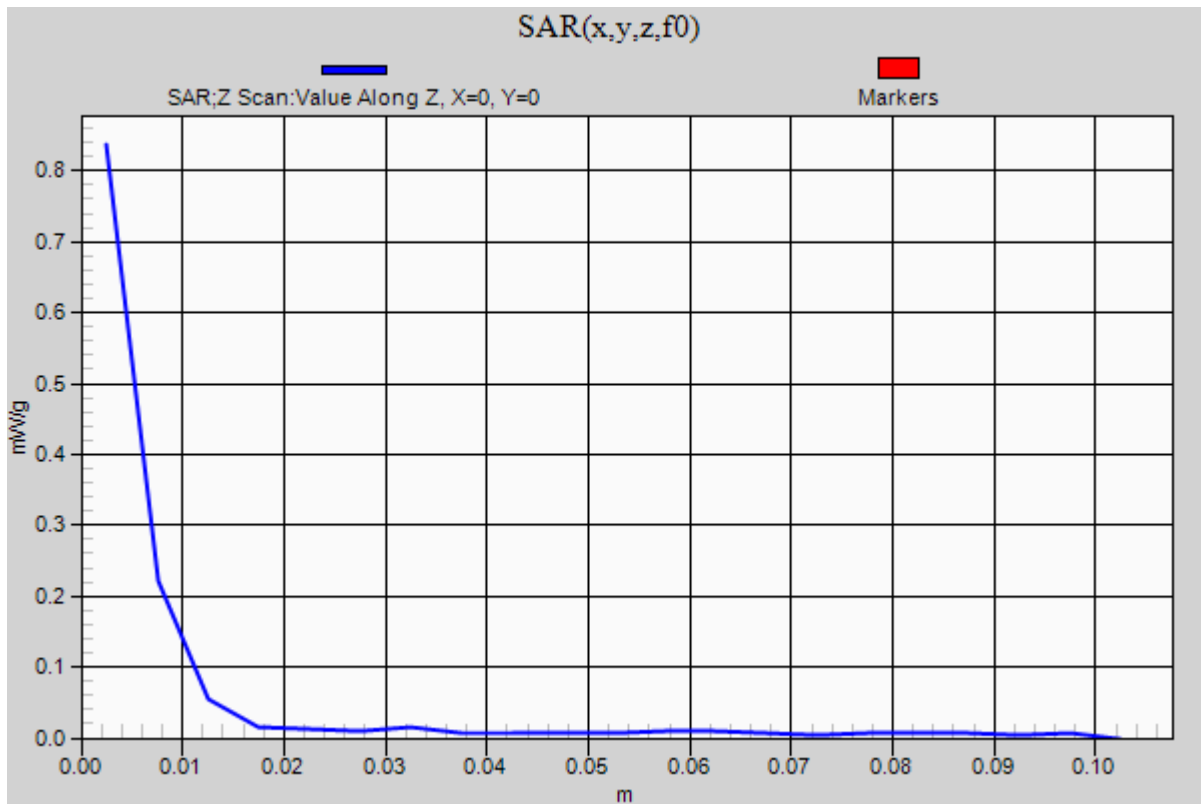
0 dB = 1.490mW/g

Test Laboratory: UL CCS SAR Lab C

WiFi 5GHz Body

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

Rear/802.11n HT40_Ch 54/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.837 mW/g



Test Laboratory: UL CCS SAR Lab C

WiFi 5GHz Body

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

Medium parameters used: $f = 5300$ MHz; $\sigma = 5.421$ mho/m; $\epsilon_r = 51.763$; $\rho = 1000$ 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(3.85, 3.85, 3.85); 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 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)

Left-edge/802.11a_Ch 60/Area Scan (71x191x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.328 mW/g

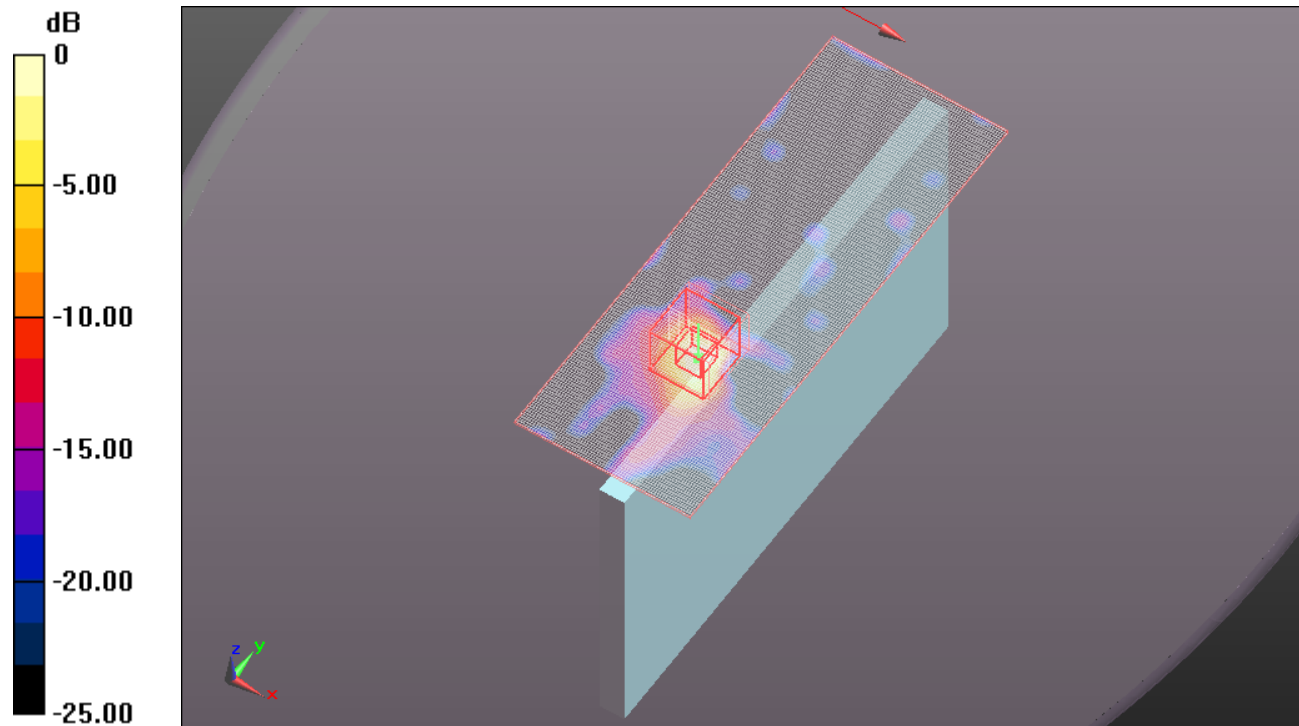
Left-edge/802.11a_Ch 60/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 5.166 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.603 W/kg

SAR(1 g) = 0.138 mW/g; SAR(10 g) = 0.032 mW/g

Maximum value of SAR (measured) = 0.258 mW/g



0 dB = 0.260mW/g

Test Laboratory: UL CCS SAR Lab C

WiFi 5GHz Body

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

Medium parameters used: $f = 5270$ MHz; $\sigma = 5.374$ mho/m; $\epsilon_r = 51.822$; $\rho = 1000$ 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(3.85, 3.85, 3.85); 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 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)

Left-edge/802.11n HT40_Ch 54/Area Scan (71x191x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.534 mW/g

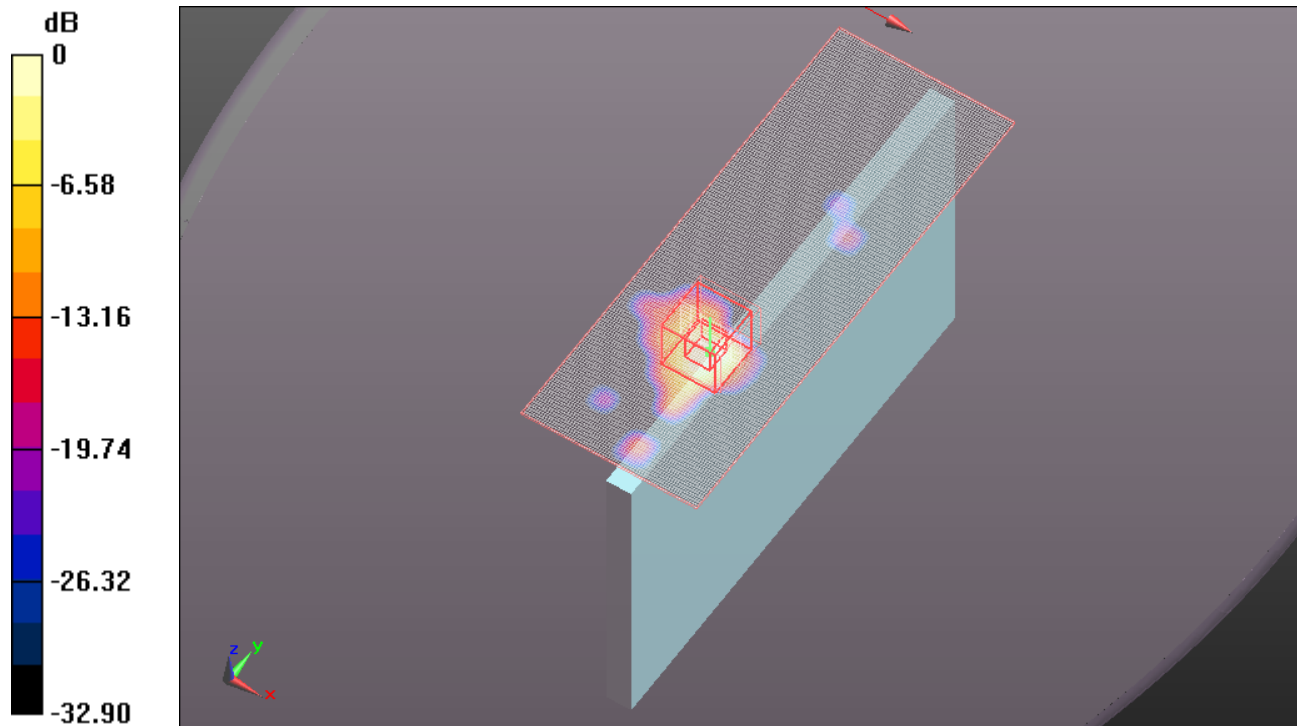
Left-edge/802.11n HT40_Ch 54/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 6.788 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.824 W/kg

SAR(1 g) = 0.203 mW/g; SAR(10 g) = 0.049 mW/g

Maximum value of SAR (measured) = 0.373 mW/g



0 dB = 0.370mW/g

Test Laboratory: UL CCS SAR Lab C

WiFi 5GHz Body

Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5500$ MHz; $\sigma = 5.701$ mho/m; $\epsilon_r = 51.394$; $\rho = 1000$ 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 - 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)

Rear/802.11a_Ch 100/Area Scan (151x191x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.690 mW/g

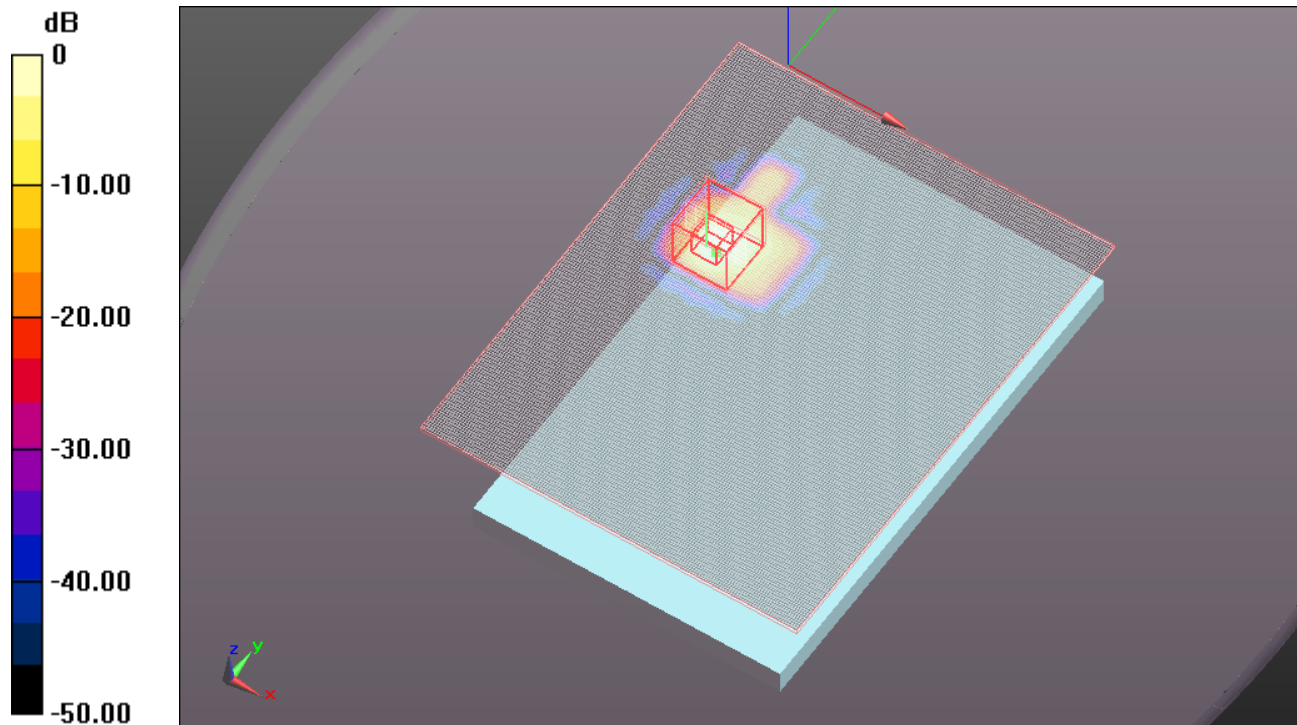
Rear/802.11a_Ch 100/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 10.891 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 2.049 W/kg

SAR(1 g) = 0.382 mW/g; SAR(10 g) = 0.086 mW/g

Maximum value of SAR (measured) = 0.773 mW/g



0 dB = 0.770mW/g

Test Laboratory: UL CCS SAR Lab C

WiFi 5GHz Body

Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5700 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5700$ MHz; $\sigma = 6.076$ mho/m; $\epsilon_r = 51.712$; $\rho = 1000$ 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(3.44, 3.44, 3.44); 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 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)

Rear/802.11a_Ch 140/Area Scan (151x191x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.941 mW/g

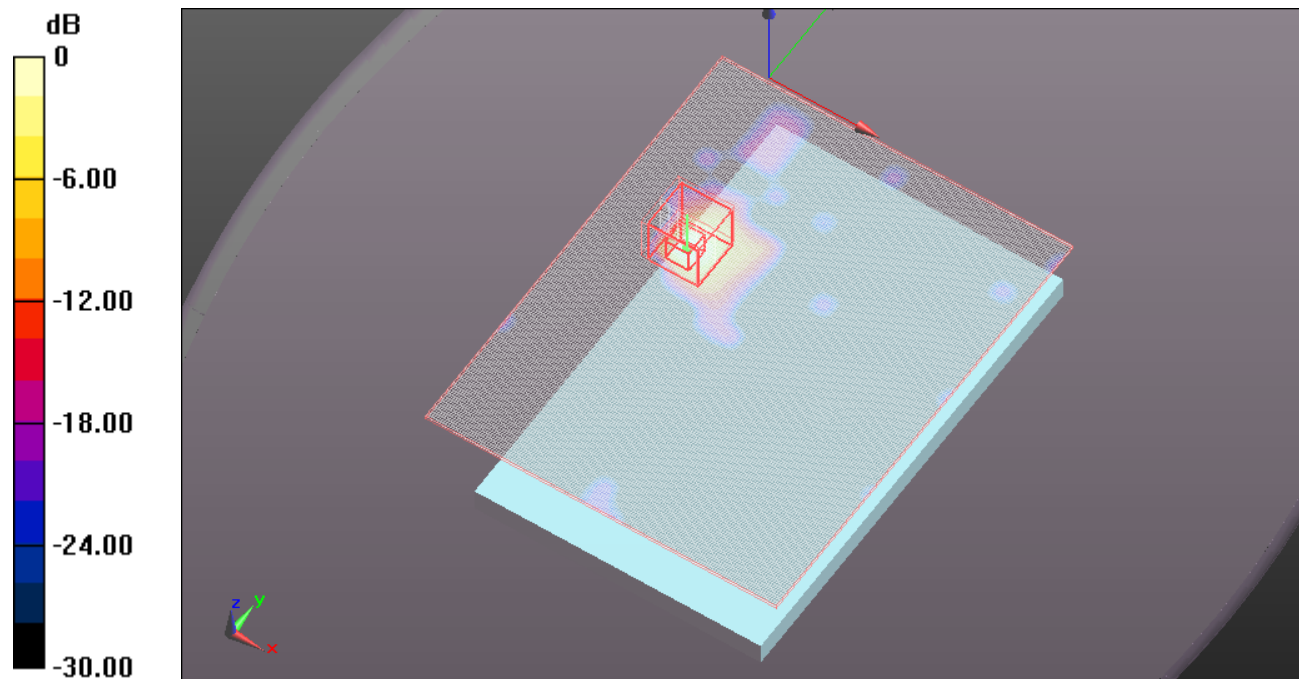
Rear/802.11a_Ch 140/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 9.861 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.771 W/kg

SAR(1 g) = 0.424 mW/g; SAR(10 g) = 0.101 mW/g

Maximum value of SAR (measured) = 0.827 mW/g



0 dB = 0.830mW/g

Test Laboratory: UL CCS SAR Lab C

WiFi 5GHz Body

Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5670 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5670$ MHz; $\sigma = 6.033$ mho/m; $\epsilon_r = 51.784$; $\rho = 1000$ 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(3.1, 3.1, 3.1); 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 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)

Rear/802.11n HT40_Ch 134/Area Scan (151x191x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.808 mW/g

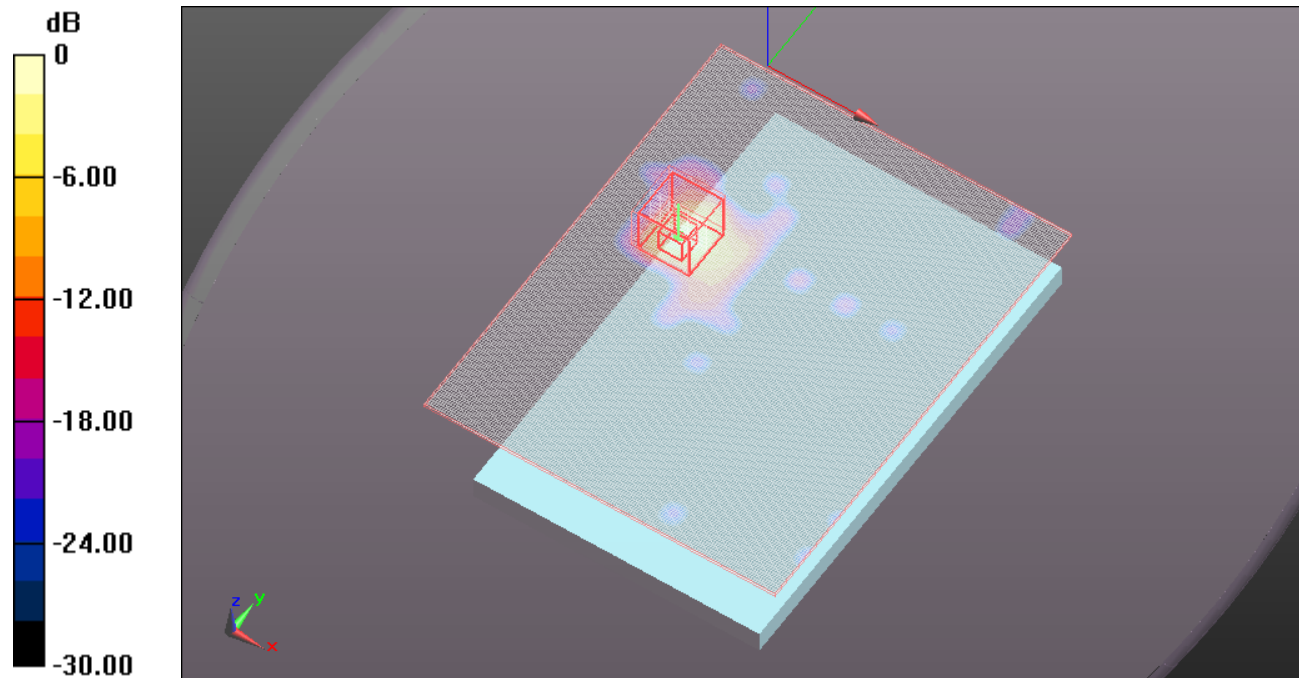
Rear/802.11n HT40_Ch 134/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 10.737 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 2.080 W/kg

SAR(1 g) = 0.516 mW/g; SAR(10 g) = 0.119 mW/g

Maximum value of SAR (measured) = 1.039 mW/g

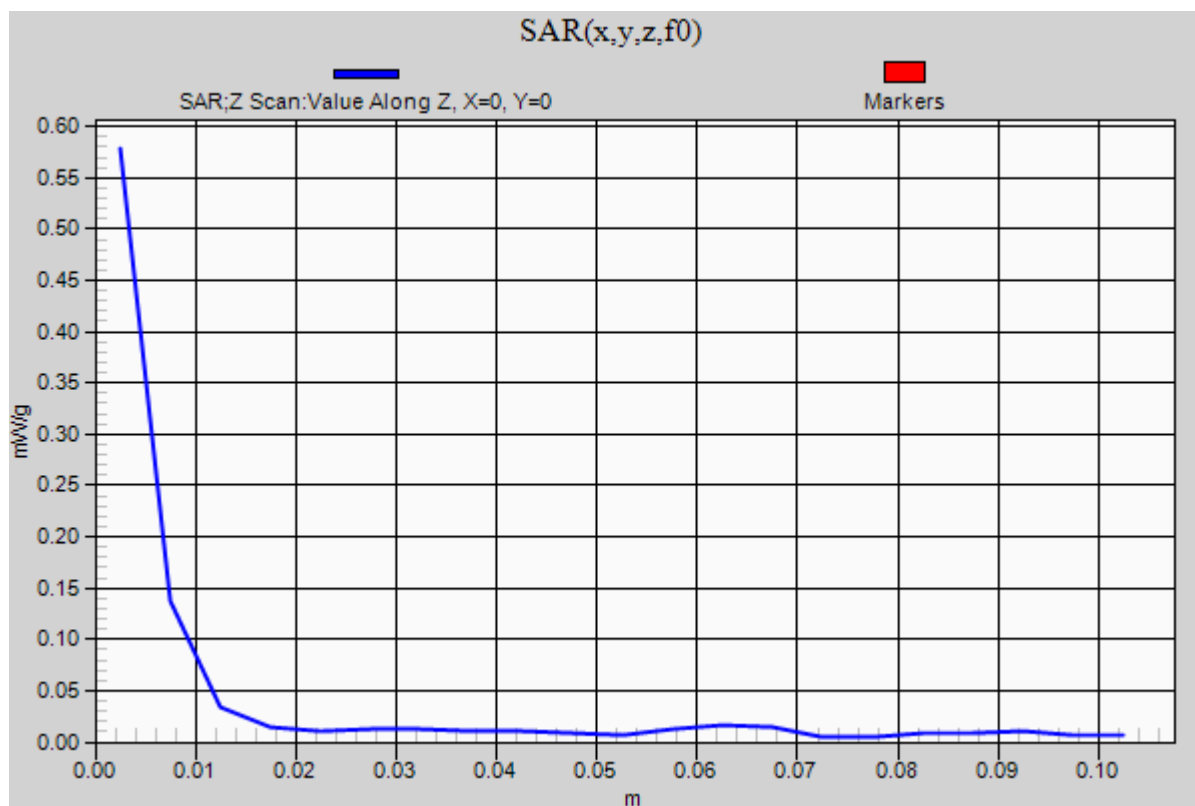


0 dB = 1.040mW/g

Test Laboratory: UL CCS SAR Lab C

WiFi 5GHz Body

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

Rear/802.11n HT40_Ch 134/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.578 mW/g

Test Laboratory: UL CCS SAR Lab C

WiFi 5GHz Body

Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5700 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5700$ MHz; $\sigma = 5.994$ mho/m; $\epsilon_r = 51.062$; $\rho = 1000$ 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(3.1, 3.1, 3.1); 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)

Left-edge/802.11a_Ch 140/Area Scan (71x191x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.418 mW/g

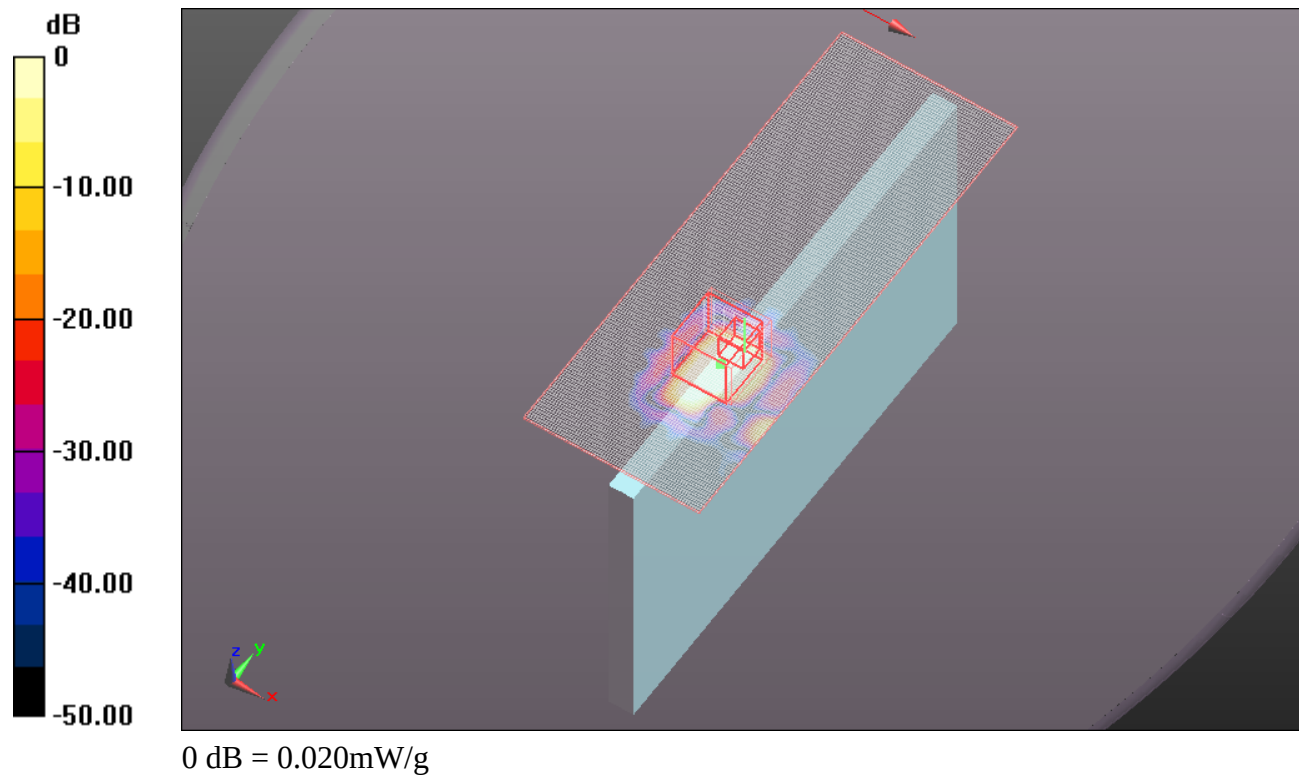
Left-edge/802.11a_Ch 140/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.738 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.053 W/kg

SAR(1 g) = 0.00548 mW/g; SAR(10 g) = 0.00171 mW/g

Maximum value of SAR (measured) = 0.023 mW/g



Test Laboratory: UL CCS SAR Lab C

WiFi 5GHz Body

Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5670 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5670$ MHz; $\sigma = 5.953$ mho/m; $\epsilon_r = 51.121$; $\rho = 1000$ 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(3.1, 3.1, 3.1); 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)

Left-edge/802.11n_Ch 134/Area Scan (71x191x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.900 mW/g

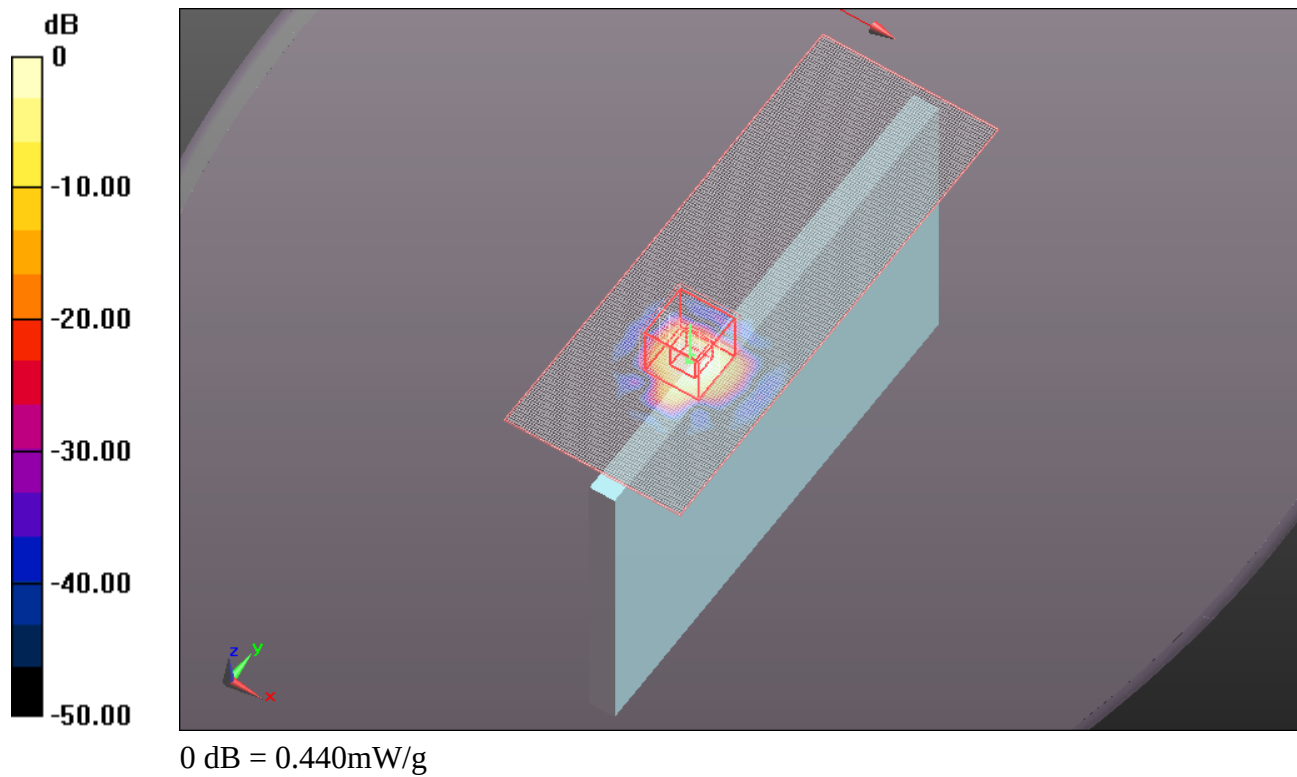
Left-edge/802.11n_Ch 134/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 7.685 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.742 W/kg

SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.046 mW/g

Maximum value of SAR (measured) = 0.442 mW/g



Test Laboratory: UL CCS SAR Lab C

WiFi 5GHz Body

Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5785 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5785$ MHz; $\sigma = 6.125$ mho/m; $\epsilon_r = 50.924$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

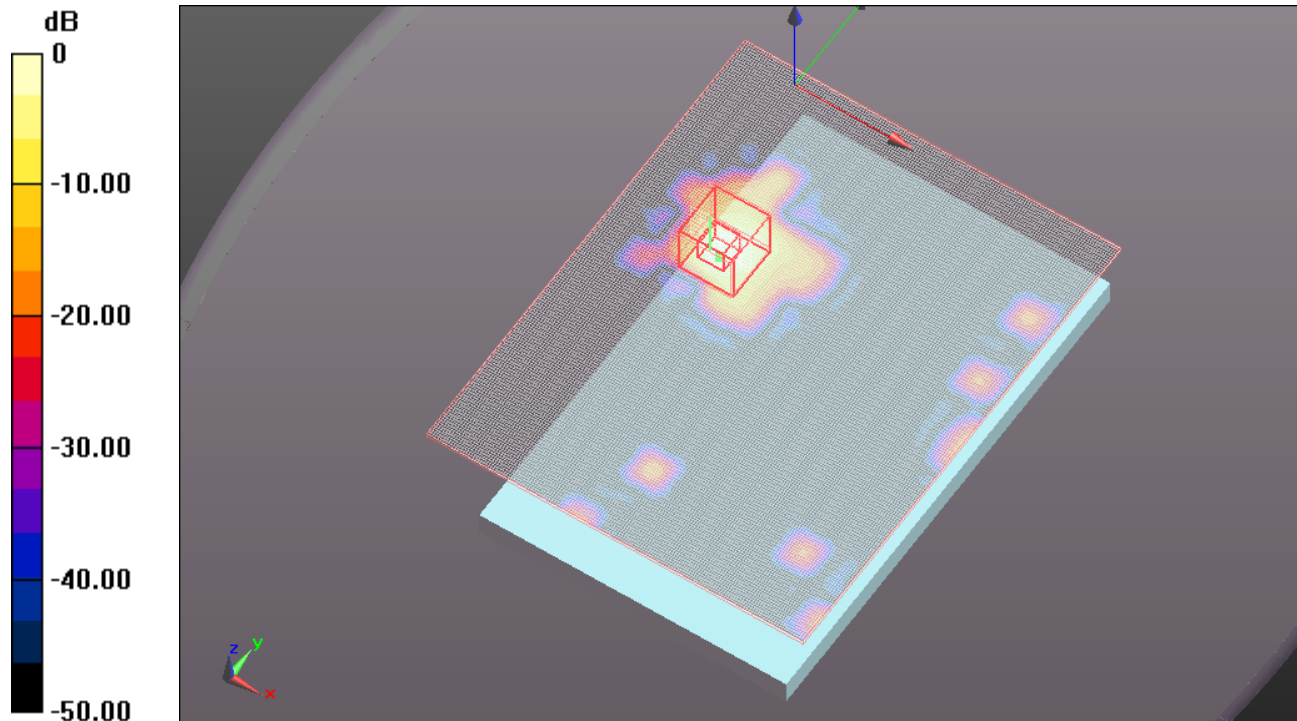
Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

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(3.44, 3.44, 3.44); 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)

Rear/802.11a_Ch 157/Area Scan (151x191x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 1.062 mW/g

Rear/802.11a_Ch 157/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
 Reference Value = 11.453 V/m; Power Drift = 0.12 dB
 Peak SAR (extrapolated) = 2.163 W/kg
SAR(1 g) = 0.478 mW/g; SAR(10 g) = 0.113 mW/g
 Maximum value of SAR (measured) = 0.876 mW/g



0 dB = 0.880mW/g

Test Laboratory: UL CCS SAR Lab C

WiFi 5GHz Body

Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5795 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5795 \text{ MHz}$; $\sigma = 6.141 \text{ mho/m}$; $\epsilon_r = 50.905$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

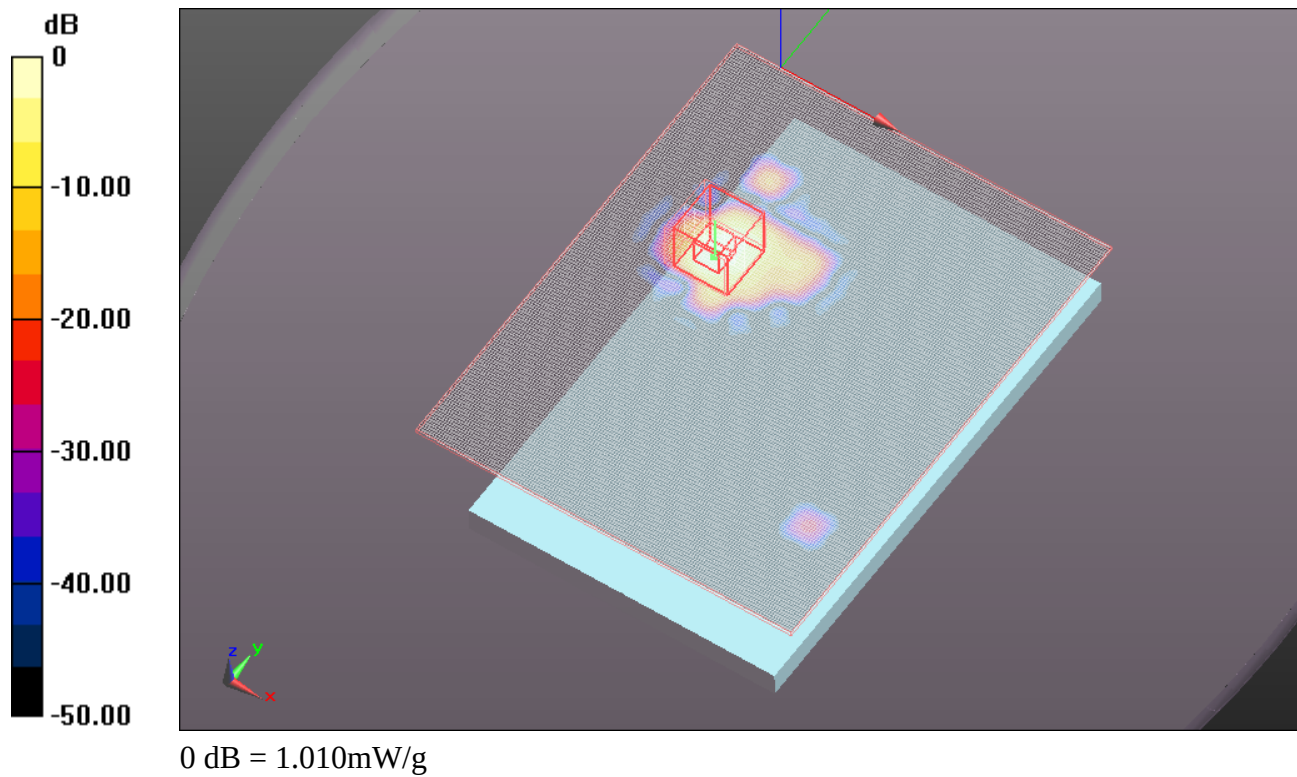
Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

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 - SN3772; ConvF(3.44, 3.44, 3.44); 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)

Rear/802.11n HT40_Ch 159/Area Scan (151x191x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
 Maximum value of SAR (interpolated) = 1.468 mW/g

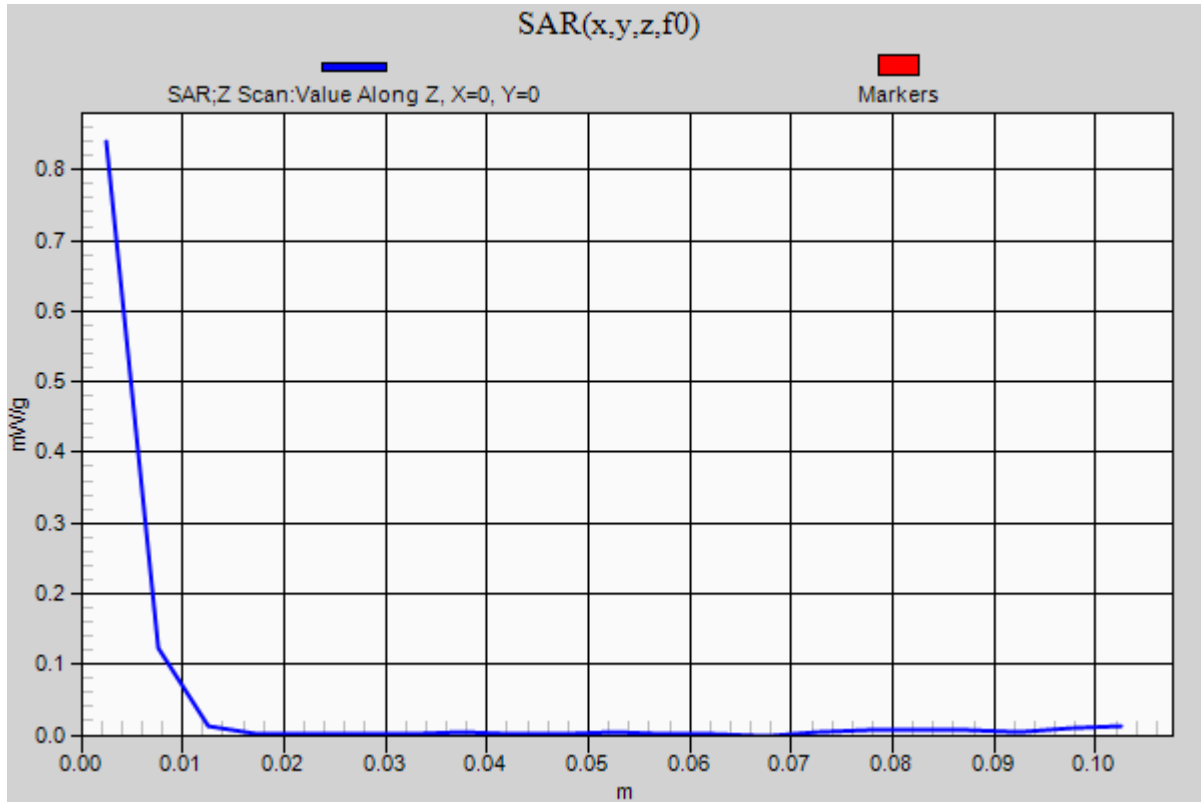
Rear/802.11n HT40_Ch 159/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$
 Reference Value = 12.735 V/m; Power Drift = 0.10 dB
 Peak SAR (extrapolated) = 2.366 W/kg
SAR(1 g) = 0.535 mW/g; SAR(10 g) = 0.126 mW/g
 Maximum value of SAR (measured) = 1.012 mW/g



Test Laboratory: UL CCS SAR Lab C

WiFi 5GHz Body

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

Rear/802.11n HT40_Ch 159/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.840 mW/g

Test Laboratory: UL CCS SAR Lab C

WiFi 5GHz Body

Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5785 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5785$ MHz; $\sigma = 6.125$ mho/m; $\epsilon_r = 50.924$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

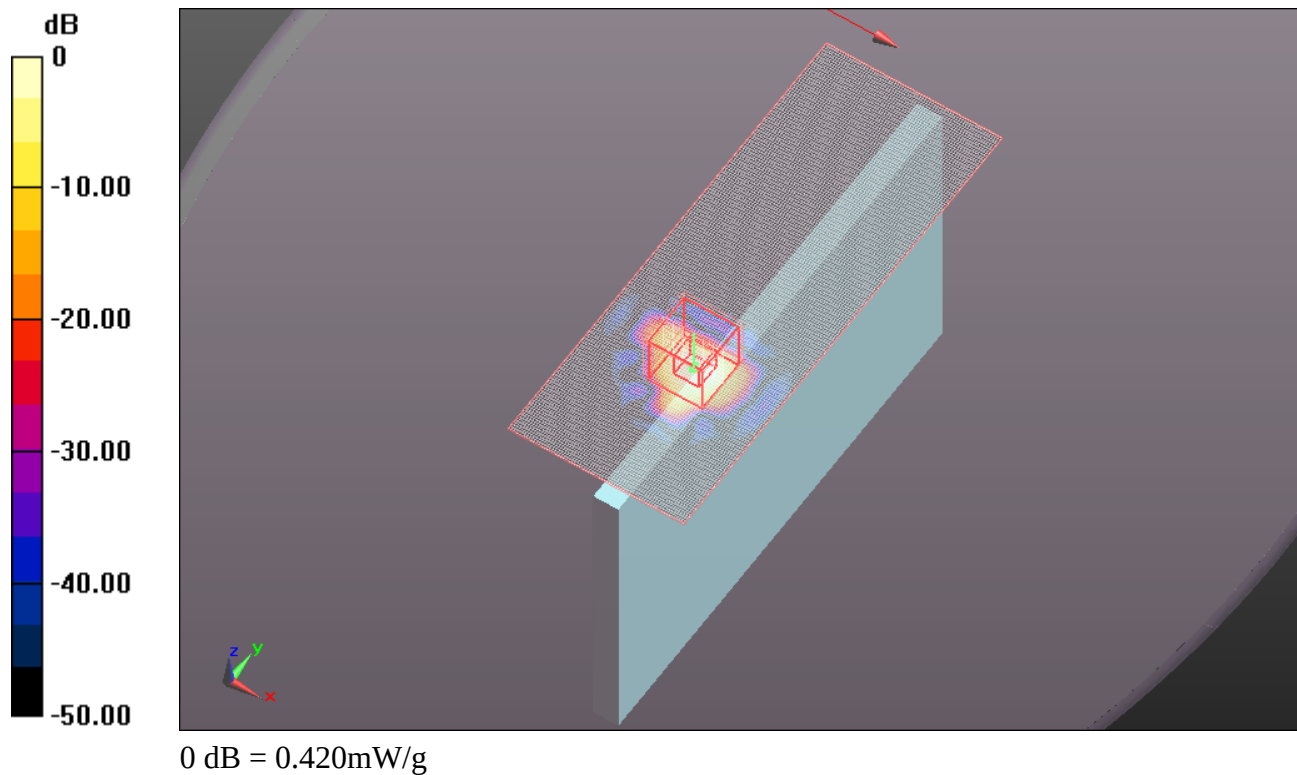
Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

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(3.44, 3.44, 3.44); 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)

Left-edge/802.11a_Ch 157/Area Scan (71x191x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.788 mW/g

Left-edge/802.11a_Ch 157/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
 Reference Value = 7.443 V/m; Power Drift = 0.18 dB
 Peak SAR (extrapolated) = 0.772 W/kg
SAR(1 g) = 0.205 mW/g; SAR(10 g) = 0.050 mW/g
 Maximum value of SAR (measured) = 0.421 mW/g



Test Laboratory: UL CCS SAR Lab C

WiFi 5GHz Body

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

Medium parameters used: $f = 5795$ MHz; $\sigma = 6.141$ mho/m; $\epsilon_r = 50.905$; $\rho = 1000$ 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(3.44, 3.44, 3.44); 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)

Left-edge/802.11n_Ch 159/Area Scan (71x191x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.764 mW/g

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

Reference Value = 7.656 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.802 W/kg

SAR(1 g) = 0.214 mW/g; SAR(10 g) = 0.051 mW/g

Maximum value of SAR (measured) = 0.441 mW/g

