Date: 1/10/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

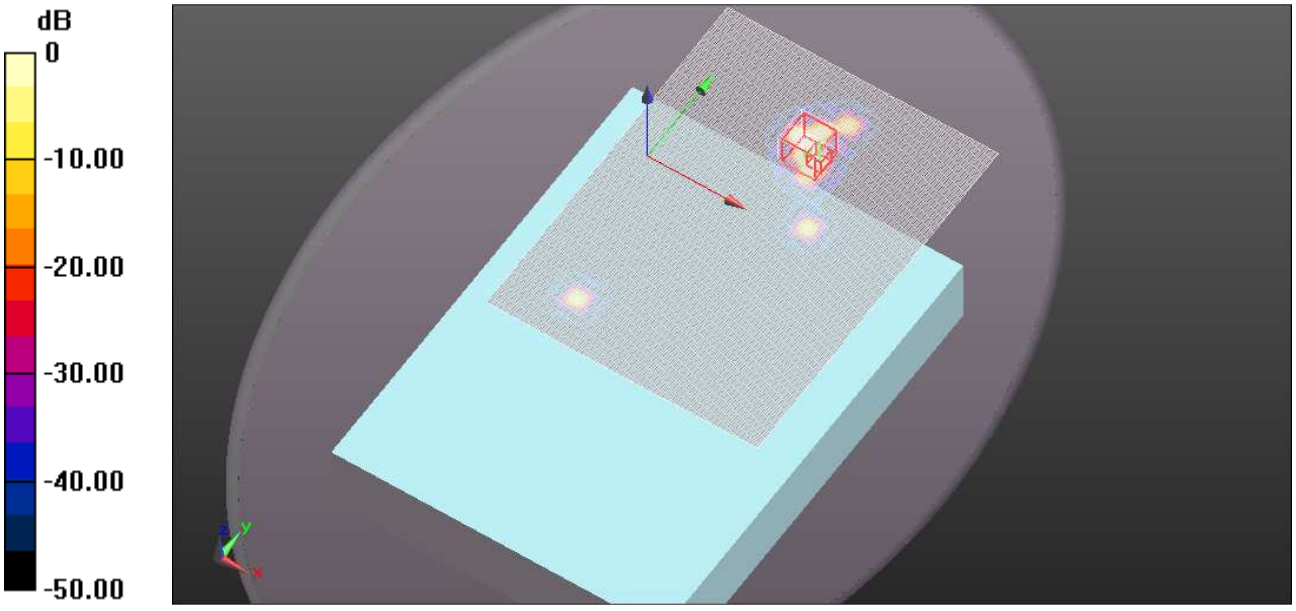
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5180 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5180 MHz; $\sigma$ = 5.412 mho/m; $\varepsilon_r$ = 49.19; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(4.39, 4.39, 4.39); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Bottom Face/802.11a_Ant A_ch 36/Area Scan (181x241x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.064 mW/g

**Bottom Face/802.11a_Ant A_ch 36/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.788 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.1030
**SAR(1 g) = 0.024 mW/g; SAR(10 g) = 0.00999 mW/g**
Maximum value of SAR (measured) = 0.049 mW/g




0 dB = 0.050mW/g = -26.02 dB mW/g

Date: 1/10/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

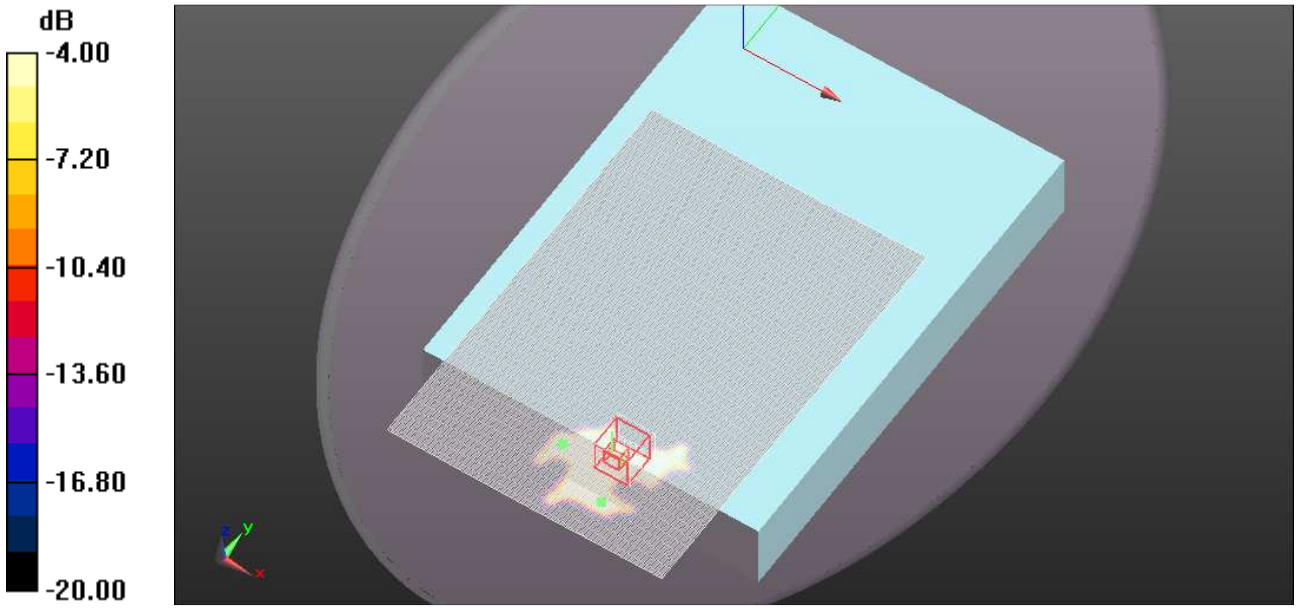
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5180 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5180 MHz; $\sigma$ = 5.412 mho/m; $\varepsilon_r$ = 49.19; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(4.39, 4.39, 4.39); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Bottom Face/802.11a_Ant B_ch 36/Area Scan (181x261x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.083 mW/g

**Bottom Face/802.11a_Ant B_ch 36/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.088 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.1080
**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 = 0.080mW/g = -21.94 dB mW/g

Date: 1/10/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

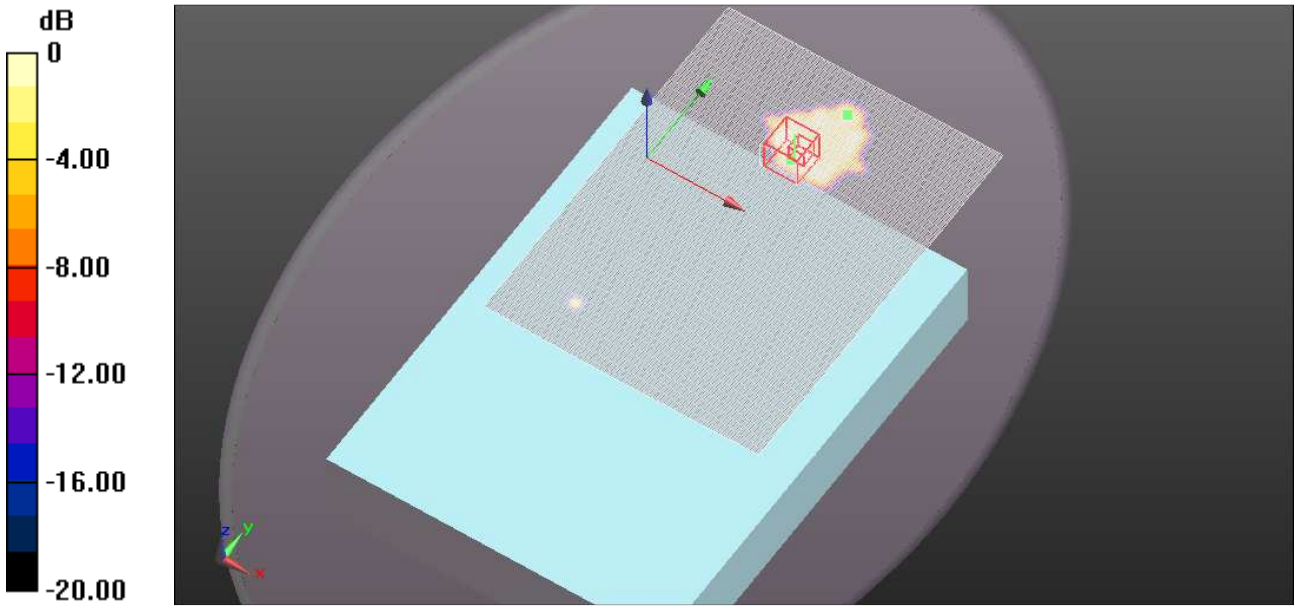
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5300 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; $\sigma$ = 5.578 mho/m; $\varepsilon_r$ = 48.973; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(4.17, 4.17, 4.17); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Bottom Face/802.11a_Ant A_ch 60/Area Scan (181x241x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.102 mW/g

**Bottom Face/802.11a_Ant A_ch 60/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.950 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.1480
**SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.013 mW/g**
Maximum value of SAR (measured) = 0.060 mW/g




0 dB = 0.060mW/g = -24.44 dB mW/g

Date: 1/10/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

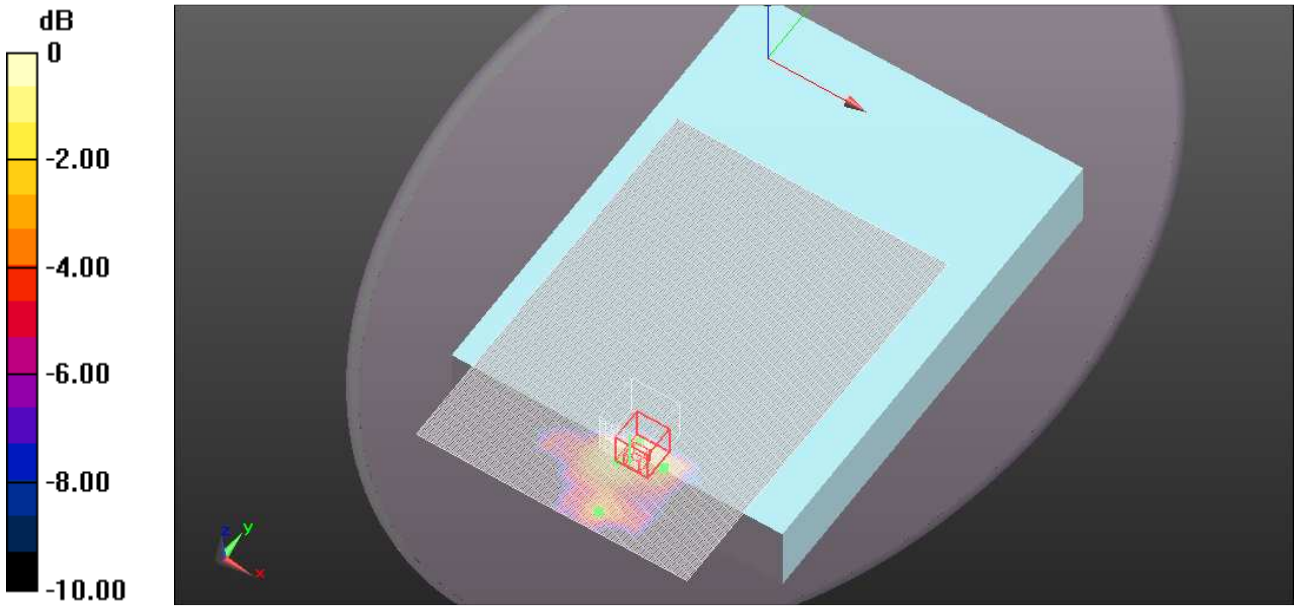
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5300 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; $\sigma$ = 5.578 mho/m; $\varepsilon_r$ = 48.973; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(4.17, 4.17, 4.17); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Bottom Face/802.11a_Ant B_ch60/Area Scan (181x261x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.054 mW/g

**Bottom Face/802.11a_Ant B_ch60/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.369 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.1710
**SAR(1 g) = 0.036 mW/g; SAR(10 g) = 0.014 mW/g**
Maximum value of SAR (measured) = 0.067 mW/g




0 dB = 0.070mW/g = -23.10 dB mW/g

Date: 1/10/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

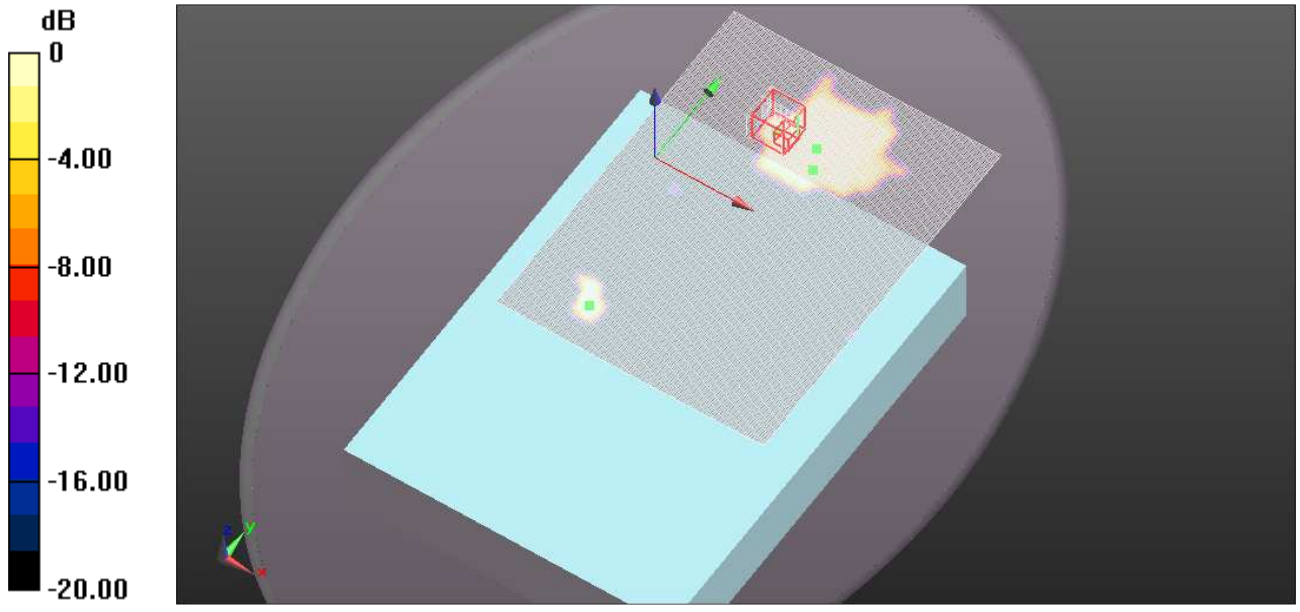
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5270 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5270 MHz; $\sigma$ = 5.537 mho/m; $\varepsilon_r$ = 49.001; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(4.17, 4.17, 4.17); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Bottom Face/802.11n_HT40_Ant A_ch 54/Area Scan (181x241x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.132 mW/g

**Bottom Face/802.11n_HT40_Ant A_ch 54/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.287 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.1190
**SAR(1 g) = 0.022 mW/g; SAR(10 g) = 0.0076 mW/g**
Maximum value of SAR (measured) = 0.054 mW/g




0 dB = 0.050mW/g = -26.02 dB mW/g

Date: 1/10/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

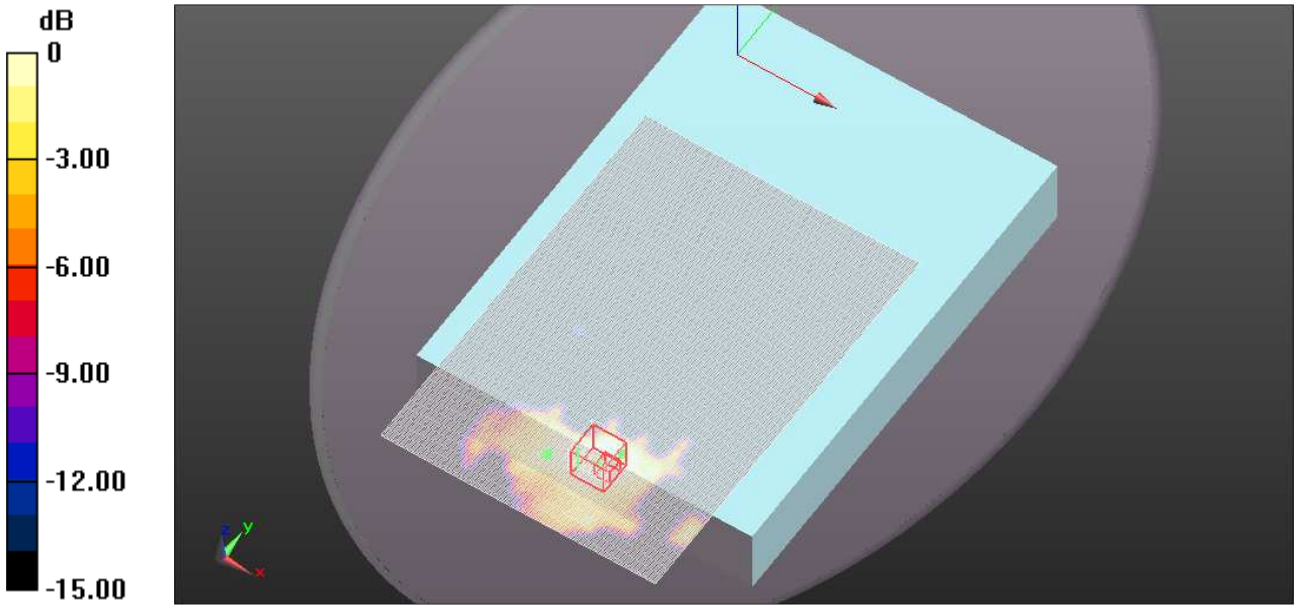
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5270 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5270 MHz; $\sigma$ = 5.537 mho/m; $\varepsilon_r$ = 49.001; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(4.17, 4.17, 4.17); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Bottom Face/802.11n_HT40_Ant B_ch54/Area Scan (181x261x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.078 mW/g

**Bottom Face/802.11n_HT40_Ant B_ch54/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.591 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.1550
**SAR(1 g) = 0.038 mW/g; SAR(10 g) = 0.015 mW/g**
Maximum value of SAR (measured) = 0.065 mW/g




0 dB = 0.060mW/g = -24.44 dB mW/g

Date: 1/10/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

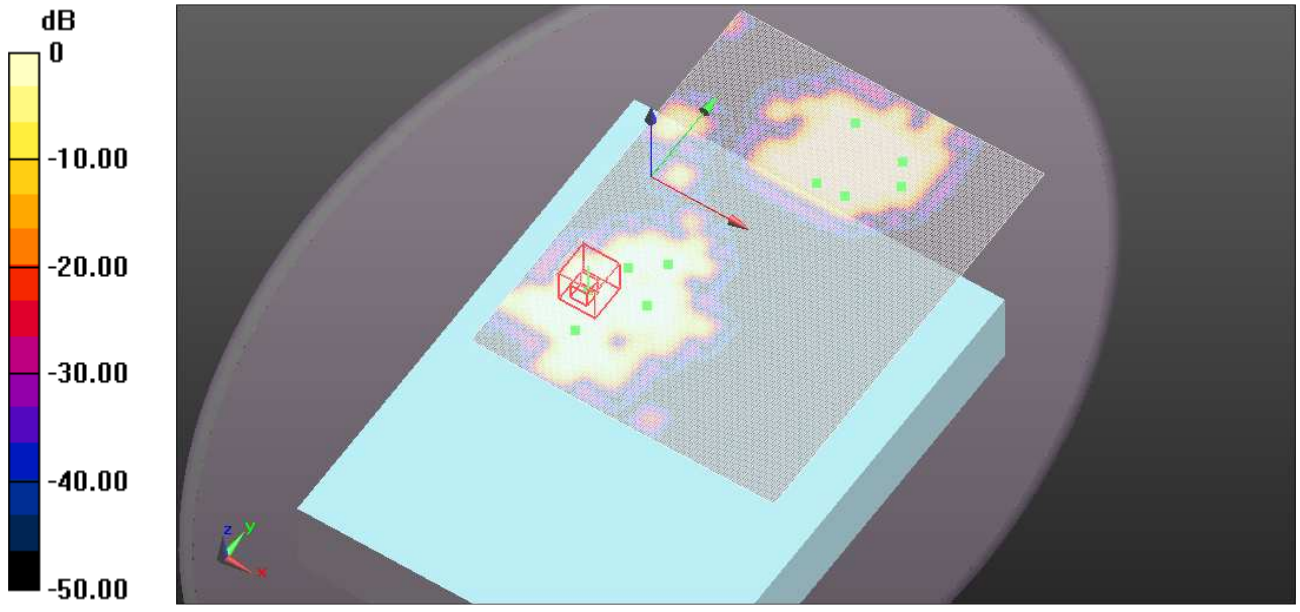
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; $\sigma$ = 5.997 mho/m; $\varepsilon_r$ = 48.434; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(3.51, 3.51, 3.51); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Bottom Face/802.11a_Ant A_ch 120/Area Scan (181x241x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.339 mW/g

**Bottom Face/802.11a_Ant A_ch 120/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 5.587 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.3790
**SAR(1 g) = 0.046 mW/g; SAR(10 g) = 0.016 mW/g**
Maximum value of SAR (measured) = 0.085 mW/g




0 dB = 0.080mW/g = -21.94 dB mW/g

Date: 1/11/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

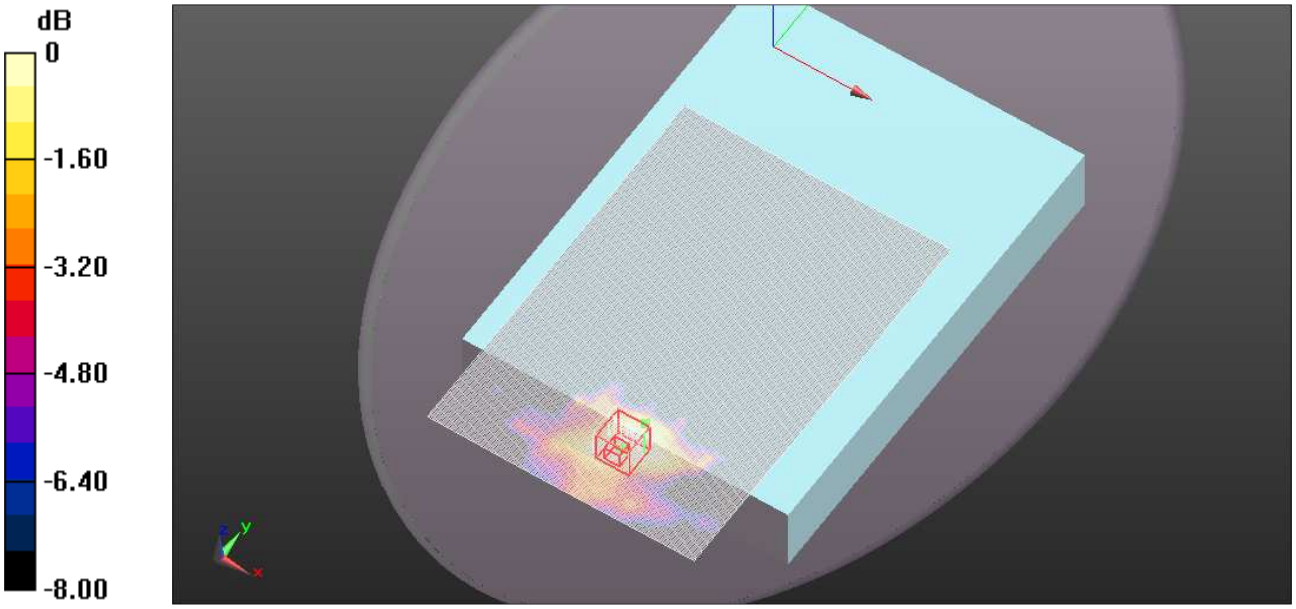
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; $\sigma$ = 5.997 mho/m; $\varepsilon_r$ = 48.434; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(3.51, 3.51, 3.51); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Bottom Face/802.11a_Ant B_ch 120/Area Scan (181x261x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.102 mW/g

**Bottom Face/802.11a_Ant B_ch 120/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.850 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.3270
**SAR(1 g) = 0.058 mW/g; SAR(10 g) = 0.022 mW/g**
Maximum value of SAR (measured) = 0.089 mW/g




0 dB = 0.090mW/g = -20.92 dB mW/g

Date: 1/11/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

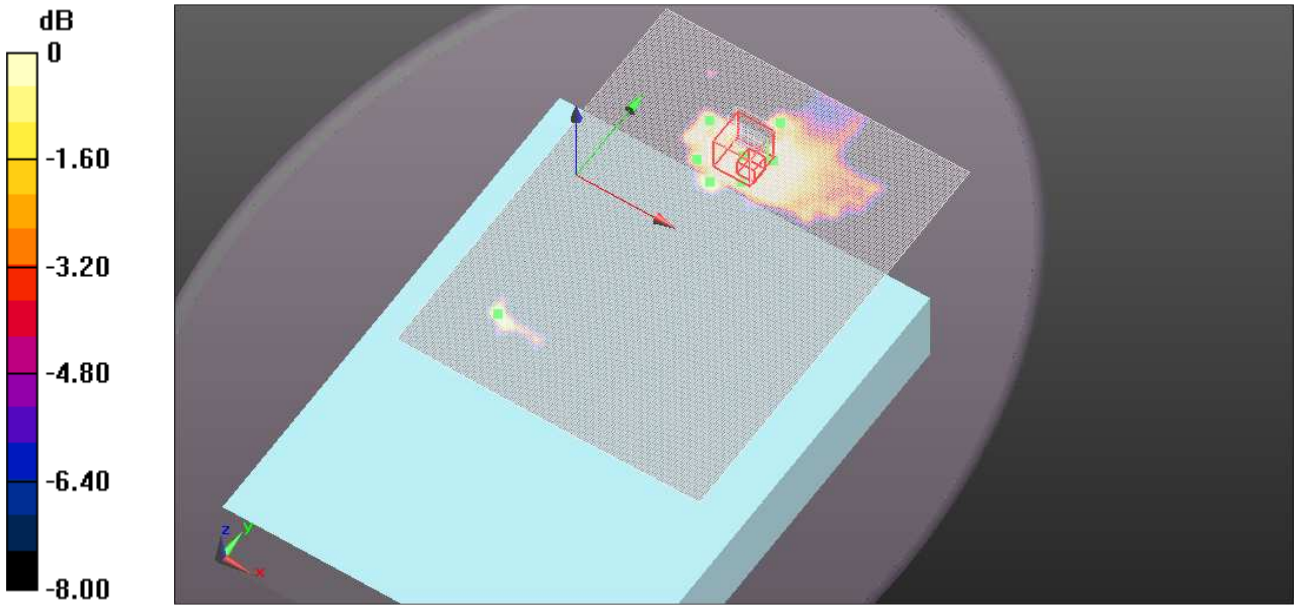
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5745 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5745 MHz; $\sigma$ = 6.177 mho/m; $\varepsilon_r$ = 48.178; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(3.67, 3.67, 3.67); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Bottom Face/802.11a_Ant A_ch 149/Area Scan (181x241x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.091 mW/g

**Bottom Face/802.11a_Ant A_ch 149/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.869 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.1770
**SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.012 mW/g**
Maximum value of SAR (measured) = 0.057 mW/g




0 dB = 0.060mW/g = -24.44 dB mW/g

Date: 1/11/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

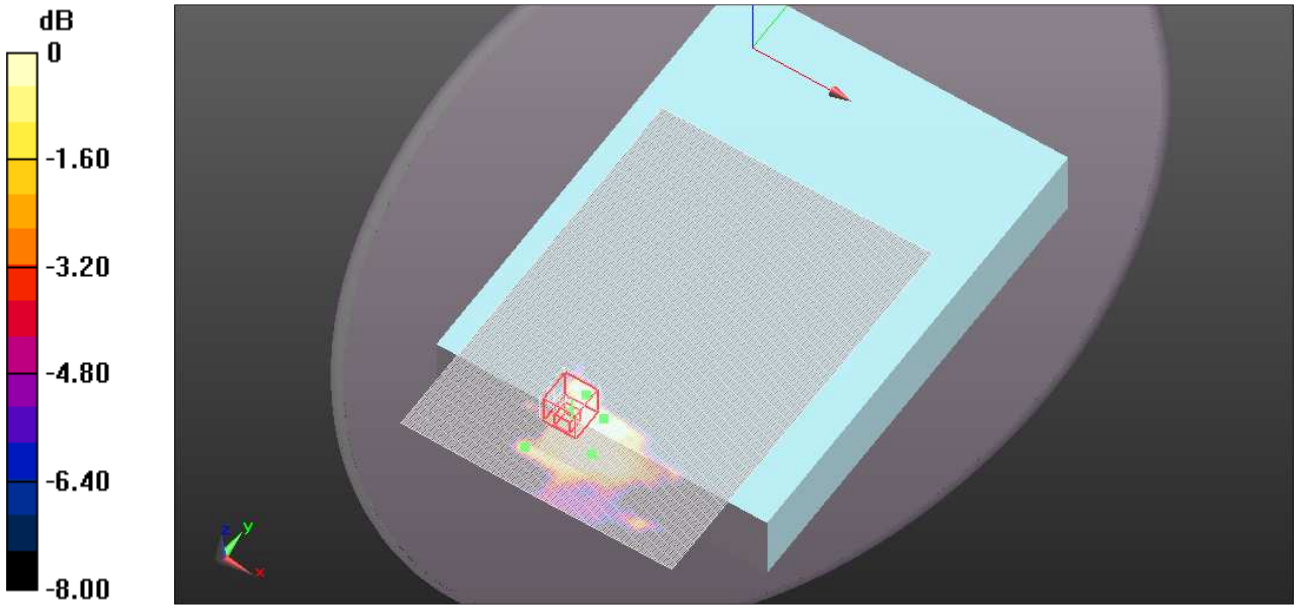
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5785 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5785 MHz; $\sigma$ = 6.24 mho/m; $\varepsilon_r$ = 48.046; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(3.67, 3.67, 3.67); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Bottom Face/802.11a_Ant B_ch 157/Area Scan (181x261x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.095 mW/g

**Bottom Face/802.11a_Ant B_ch 157/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.047 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.4430
**SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.019 mW/g**
Maximum value of SAR (measured) = 0.060 mW/g




0 dB = 0.060mW/g = -24.44 dB mW/g

Date: 1/11/2012

Test Laboratory: UL CCS SAR Lab B

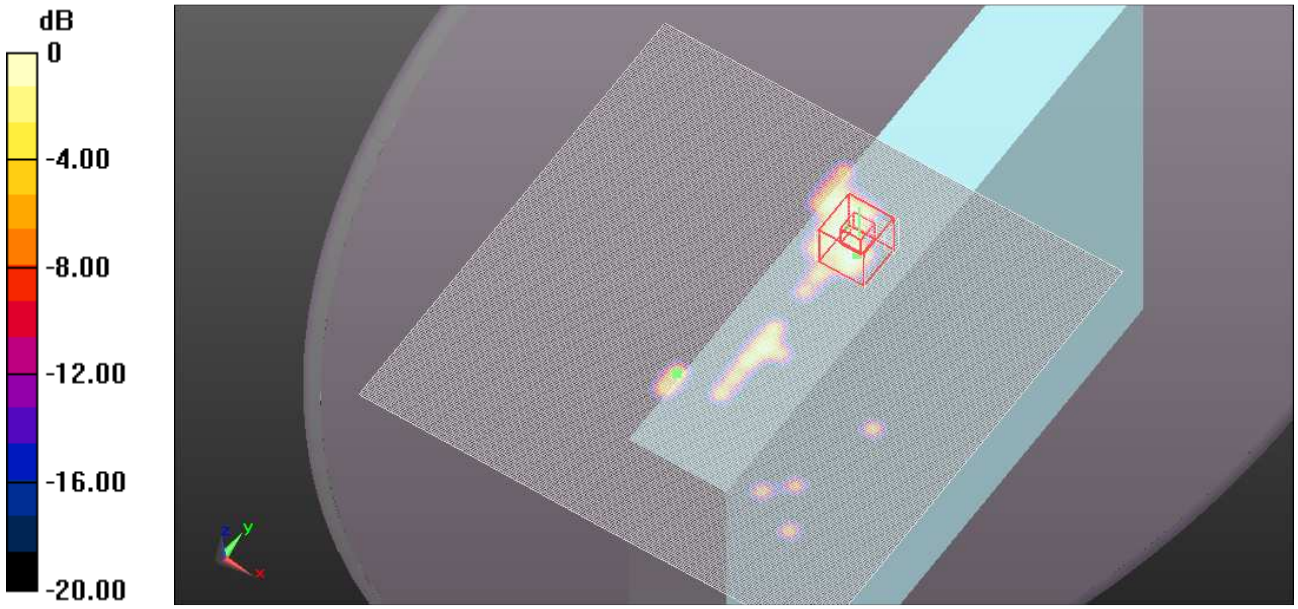
## 5GHz

Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5180 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5180 MHz; $\sigma$ = 5.313 mho/m; $\varepsilon_r$ = 48.16; $\rho$ = 1000 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: EX3DV3 - SN3531; ConvF(4.39, 4.39, 4.39); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Primary Landscape/802.11a_Ant A_ch 36/Area Scan (221x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.036 mW/g

**Primary Landscape/802.11a_Ant A_ch 36/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.114 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.1670
**SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.00421 mW/g**
Maximum value of SAR (measured) = 0.034 mW/g




0 dB = 0.030mW/g = -30.46 dB mW/g

Date: 1/11/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

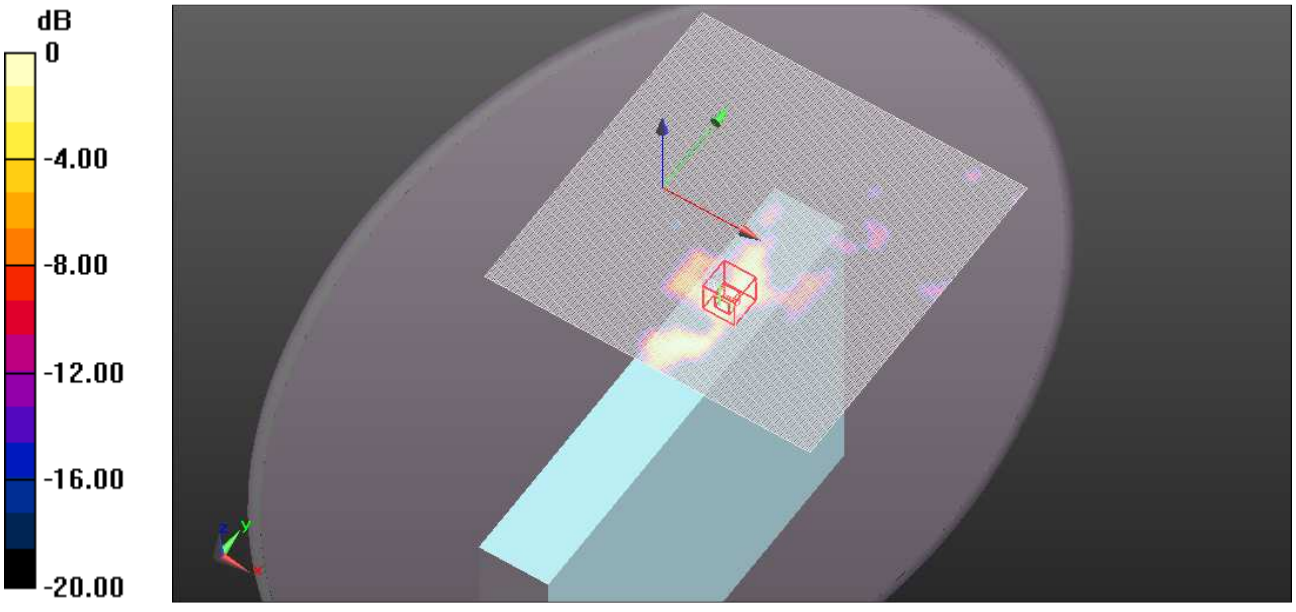
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5180 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5180 MHz; $\sigma$ = 5.313 mho/m; $\varepsilon_r$ = 48.16; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(4.39, 4.39, 4.39); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Primary Landscape/802.11a_Ant B_ch 36/Area Scan (221x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.124 mW/g

**Primary Landscape/802.11a_Ant B_ch 36/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 4.296 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.1880
**SAR(1 g) = 0.054 mW/g; SAR(10 g) = 0.017 mW/g**
Maximum value of SAR (measured) = 0.098 mW/g




0 dB = 0.100mW/g = -20.00 dB mW/g

Date: 1/11/2012

Test Laboratory: UL CCS SAR Lab B

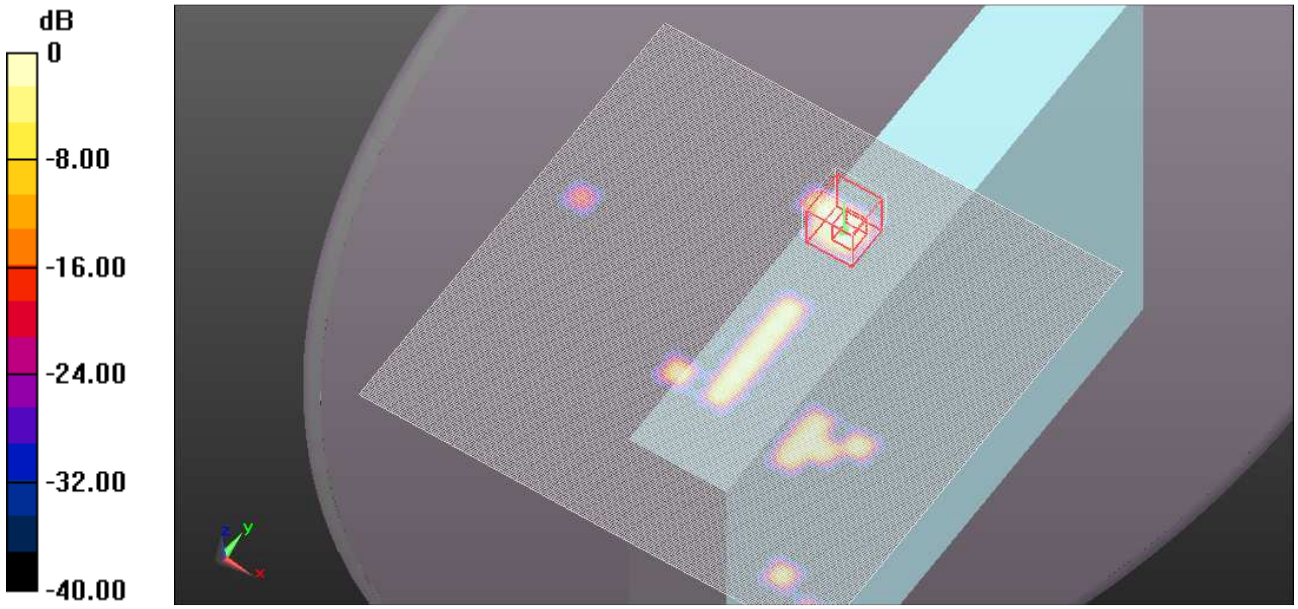
## 5GHz

Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5300 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; $\sigma$ = 5.473 mho/m; $\varepsilon_r$ = 48.065; $\rho$ = 1000 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: EX3DV3 - SN3531; ConvF(4.17, 4.17, 4.17); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Primary Landscape/802.11a_Ant A_ch 60/Area Scan (221x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.058 mW/g

**Primary Landscape/802.11a_Ant A_ch 60/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.264 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.0980
**SAR(1 g) = 0.013 mW/g; SAR(10 g) = 0.00402 mW/g**
Maximum value of SAR (measured) = 0.031 mW/g




0 dB = 0.030mW/g = -30.46 dB mW/g

Date: 1/11/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

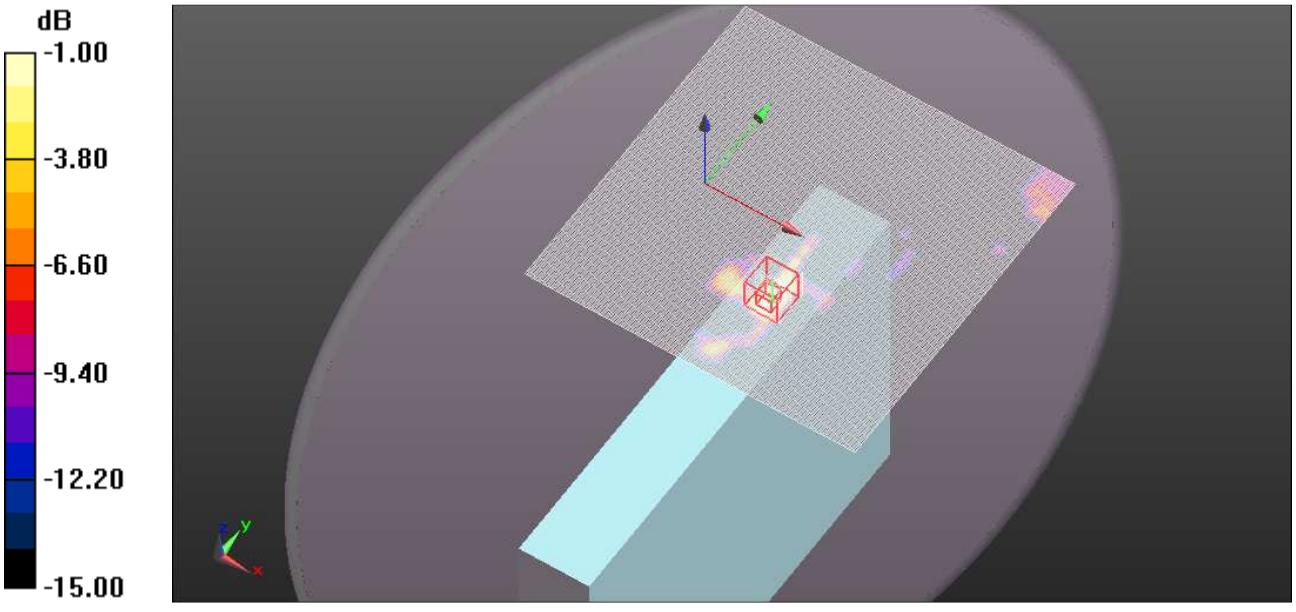
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5300 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; $\sigma$ = 5.473 mho/m; $\varepsilon_r$ = 48.065; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(4.17, 4.17, 4.17); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Primary Landscape/802.11a_Ant B_ch 60/Area Scan (221x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.128 mW/g

**Primary Landscape/802.11a_Ant B_ch 60/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 4.573 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.2230
**SAR(1 g) = 0.058 mW/g; SAR(10 g) = 0.018 mW/g**
Maximum value of SAR (measured) = 0.107 mW/g




0 dB = 0.110mW/g = -19.17 dB mW/g

Date: 1/11/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

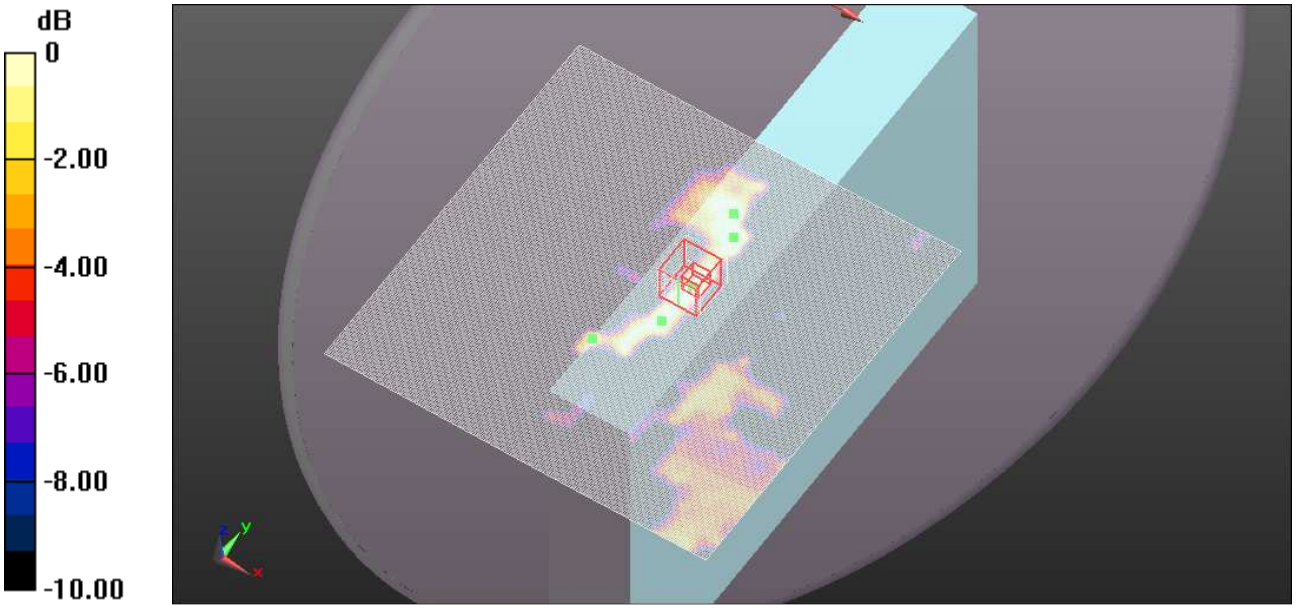
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5270 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5270 MHz; $\sigma$ = 5.432 mho/m; $\varepsilon_r$ = 48.139; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(4.17, 4.17, 4.17); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Primary Landscape/802.11n_HT40_Ant A_ch 54/Area Scan (221x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.054 mW/g

**Primary Landscape/802.11n_HT40_Ant A_ch 54/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.470 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.1250
**SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.00405 mW/g**
Maximum value of SAR (measured) = 0.025 mW/g




0 dB = 0.030mW/g = -30.46 dB mW/g

Date: 1/11/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

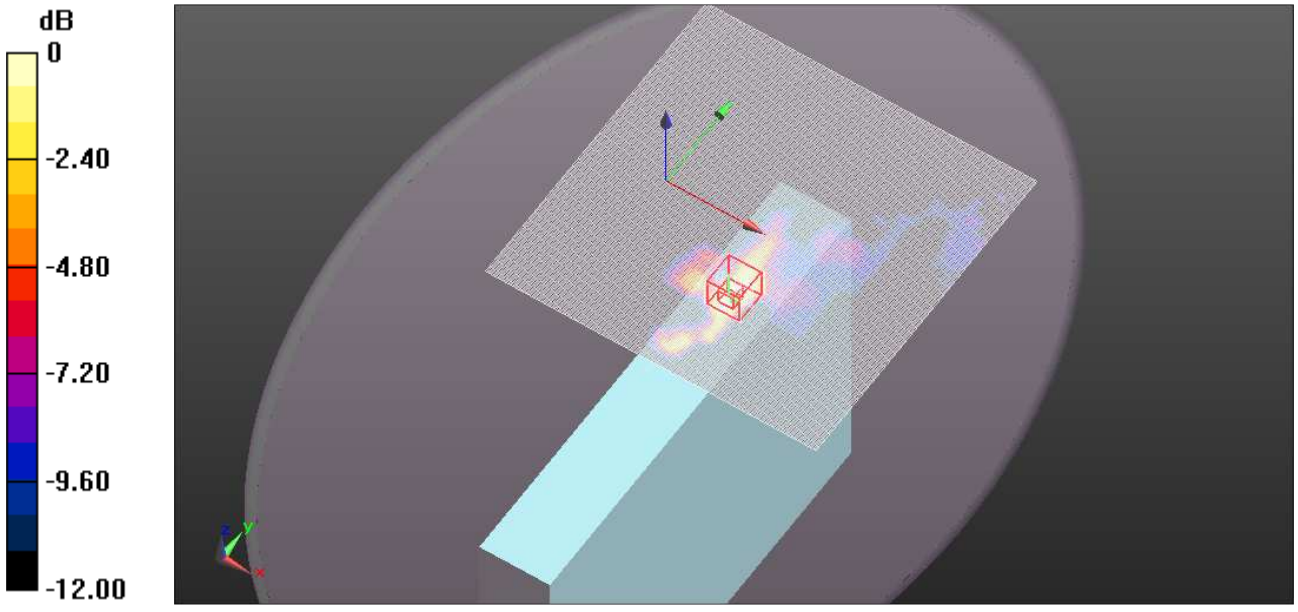
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5270 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5270 MHz; $\sigma$ = 5.432 mho/m; $\varepsilon_r$ = 48.139; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(4.17, 4.17, 4.17); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Primary Landscape/802.11n_HT40_Ant B_ch 54/Area Scan (221x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.160 mW/g

**Primary Landscape/802.11n_HT40_Ant B_ch 54/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 4.721 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.2430
**SAR(1 g) = 0.067 mW/g; SAR(10 g) = 0.021 mW/g**
Maximum value of SAR (measured) = 0.118 mW/g




0 dB = 0.120mW/g = -18.42 dB mW/g

Date: 1/11/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

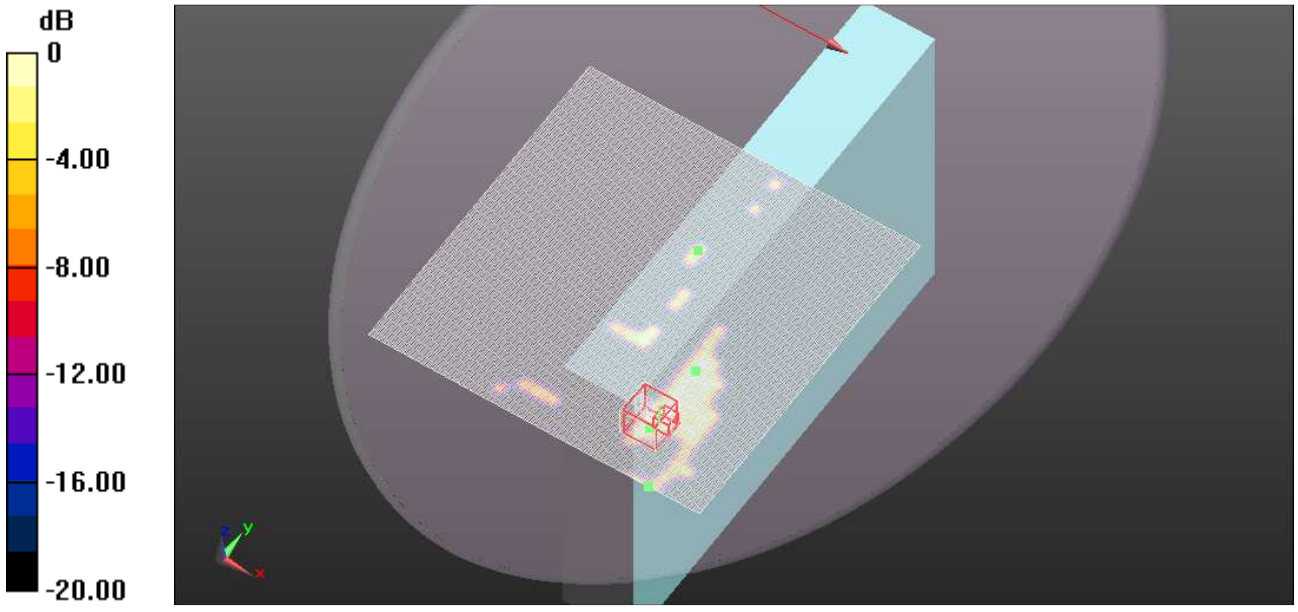
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; $\sigma$ = 5.851 mho/m; $\varepsilon_r$ = 47.444; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(3.51, 3.51, 3.51); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Primary Landscape/802.11a_Ant A_ch 120/Area Scan (221x221x1):** Measurement grid:
dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.039 mW/g

**Primary Landscape/802.11a_Ant A_ch 120/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:
dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.118 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.1370
**SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00464 mW/g**
Maximum value of SAR (measured) = 0.028 mW/g




0 dB = 0.030mW/g = -30.46 dB mW/g

Date: 1/11/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

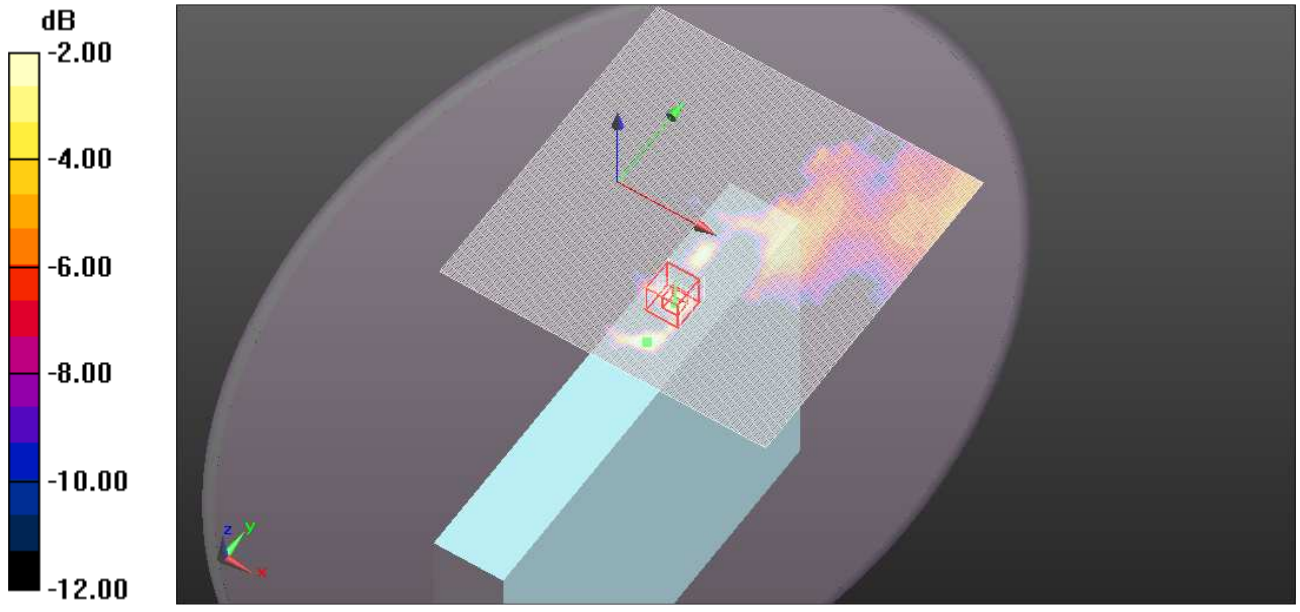
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; $\sigma$ = 5.851 mho/m; $\varepsilon_r$ = 47.444; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(3.51, 3.51, 3.51); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Primary Landscape/802.11a_Ant B_ch 120/Area Scan (221x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.111 mW/g

**Primary Landscape/802.11a_Ant B_ch 120/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.292 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.1990
**SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.00815 mW/g**
Maximum value of SAR (measured) = 0.060 mW/g




0 dB = 0.110mW/g = -19.17 dB mW/g

Date: 1/11/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

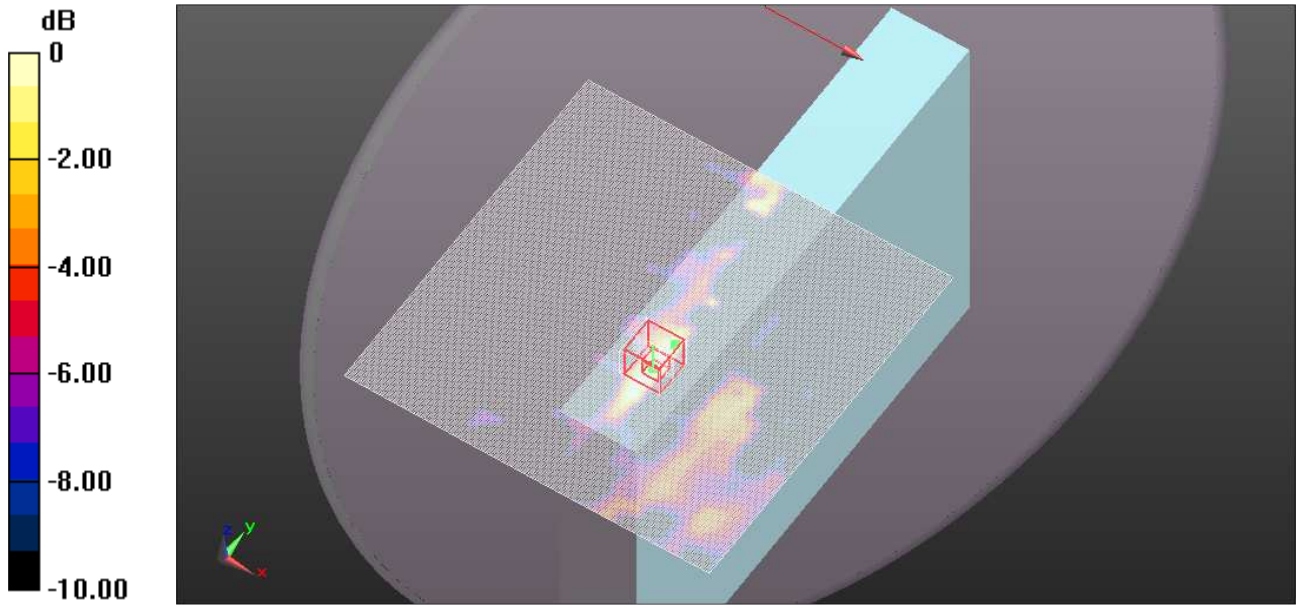
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5745 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5745 MHz; $\sigma$ = 6.044 mho/m; $\varepsilon_r$ = 47.303; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(3.67, 3.67, 3.67); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Primary Landscape/802.11a_Ant A_ch 149/Area Scan (221x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.092 mW/g

**Primary Landscape/802.11a_Ant A_ch 149/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.910 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.1270
**SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.0082 mW/g**
Maximum value of SAR (measured) = 0.053 mW/g




0 dB = 0.050mW/g = -26.02 dB mW/g

Date: 1/11/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

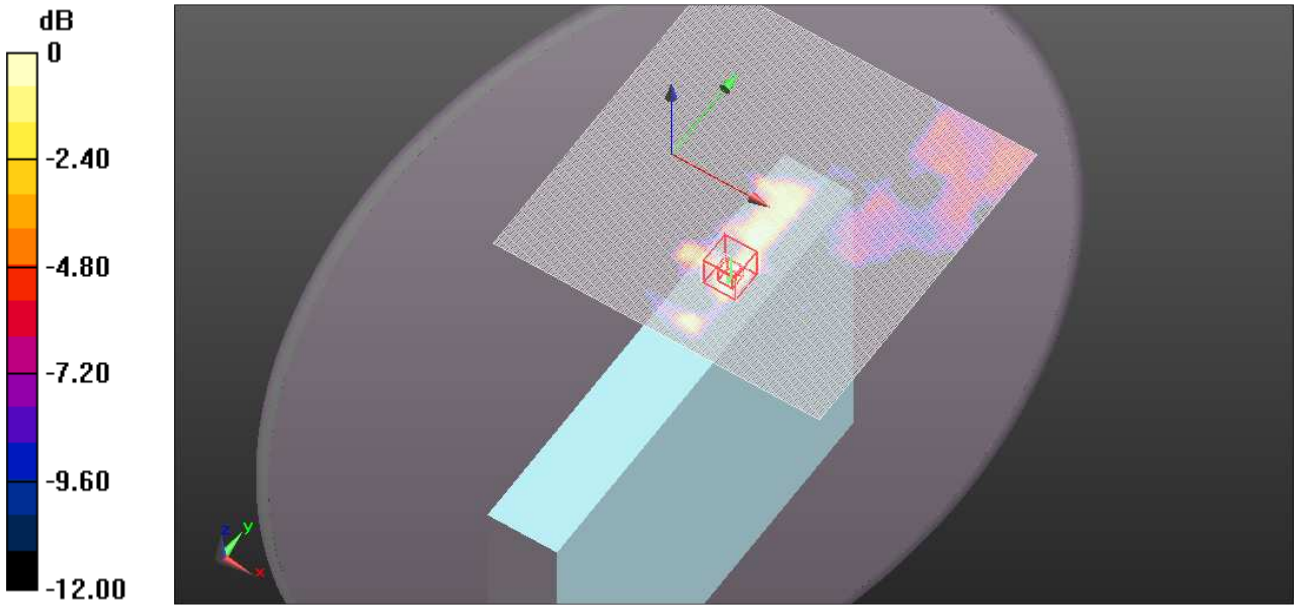
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5785 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5785 MHz; $\sigma$ = 6.077 mho/m; $\varepsilon_r$ = 47.249; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(3.67, 3.67, 3.67); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Primary Landscape/802.11a_Ant B_ch 157/Area Scan (221x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.206 mW/g

**Primary Landscape/802.11a_Ant B_ch 157/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 4.182 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.2560
**SAR(1 g) = 0.064 mW/g; SAR(10 g) = 0.020 mW/g**
Maximum value of SAR (measured) = 0.119 mW/g




0 dB = 0.120mW/g = -18.42 dB mW/g

Date: 1/12/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

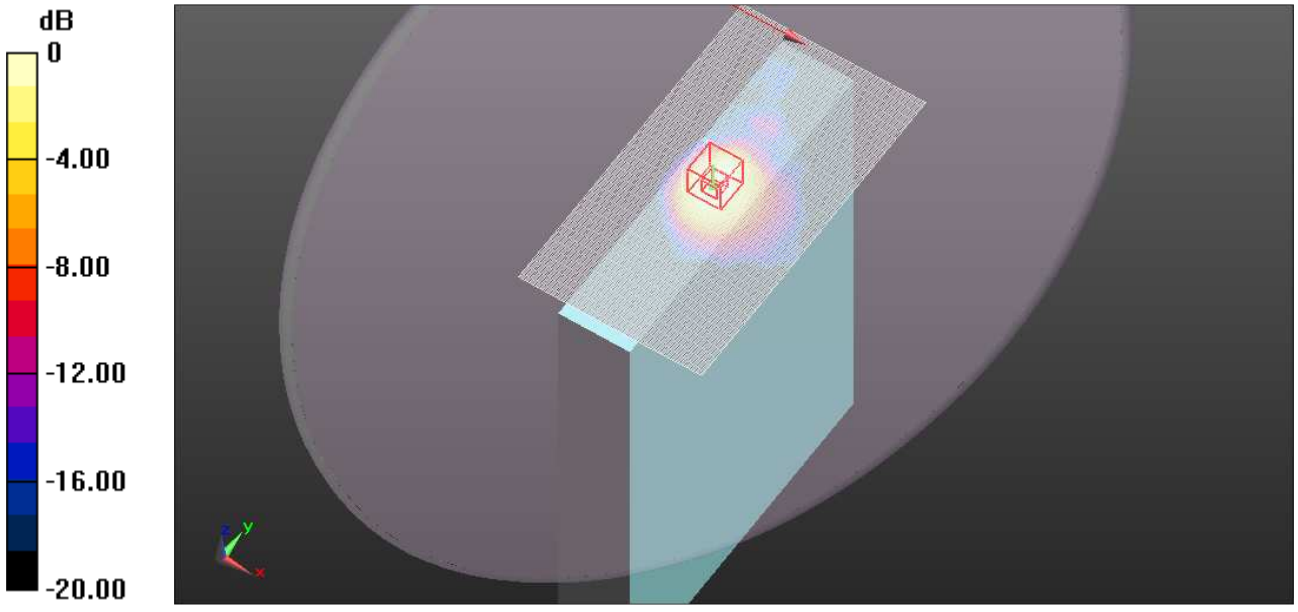
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5180 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5180 MHz; $\sigma$ = 5.319 mho/m; $\varepsilon_r$ = 47.111; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(4.39, 4.39, 4.39); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Primary Portrait/802.11a_Ant B_ch 36/Area Scan (121x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.848 mW/g

**Primary Portrait/802.11a_Ant B_ch 36/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 12.771 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.8990
**SAR(1 g) = 0.565 mW/g; SAR(10 g) = 0.226 mW/g**
Maximum value of SAR (measured) = 0.889 mW/g




0 dB = 0.890mW/g = -1.01 dB mW/g

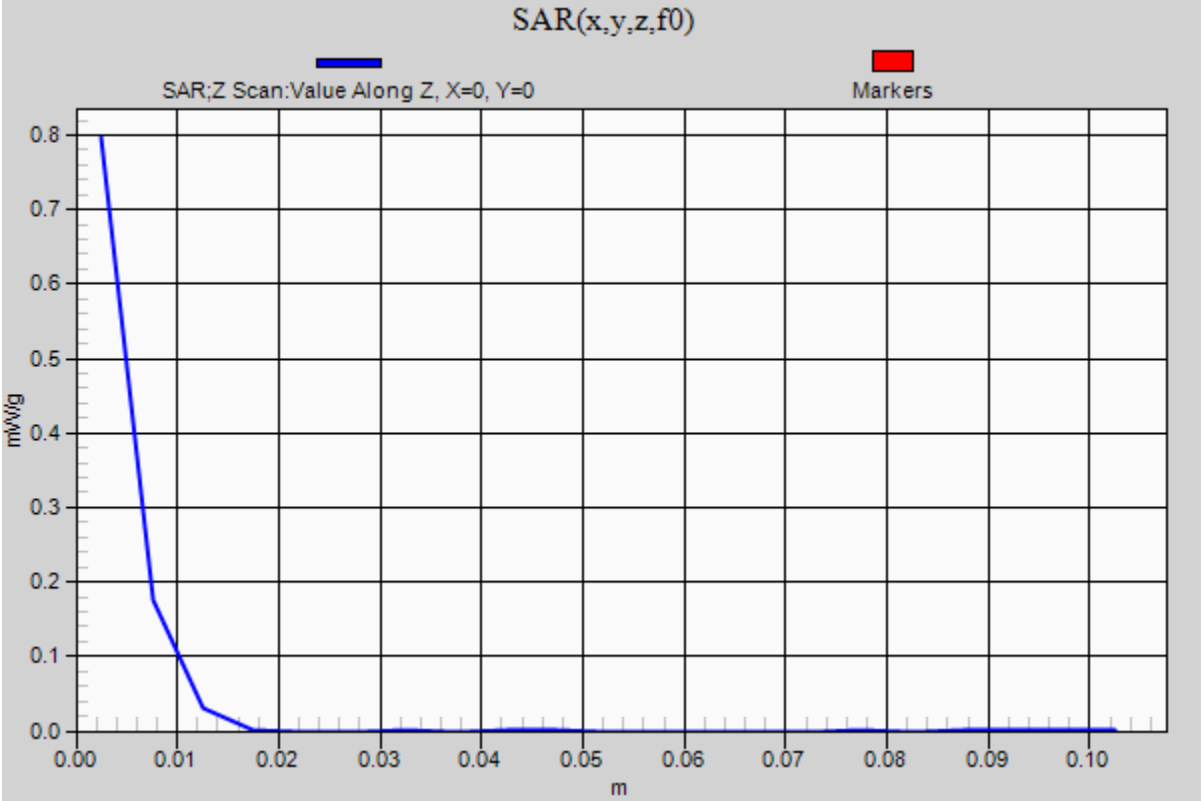
Date: 1/12/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

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

**Primary Portrait/802.11a_Ant B_ch 36/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.796 mW/g



Date: 1/12/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

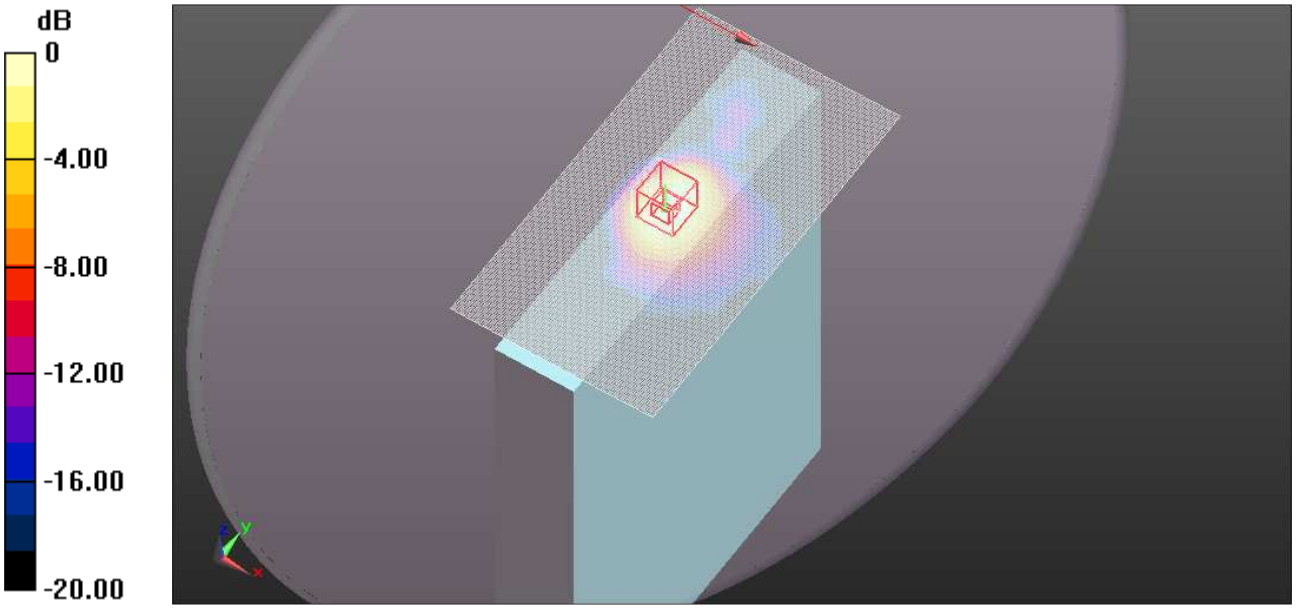
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5300 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; $\sigma$ = 5.492 mho/m; $\varepsilon_r$ = 46.897; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(4.17, 4.17, 4.17); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Primary Portrait/802.11a_Ant B_ch 60/Area Scan (121x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.105 mW/g

**Primary Portrait/802.11a_Ant B_ch 60/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.456 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 2.3390
**SAR(1 g) = 0.718 mW/g; SAR(10 g) = 0.286 mW/g**
Maximum value of SAR (measured) = 1.142 mW/g




0 dB = 1.140mW/g = 1.14 dB mW/g

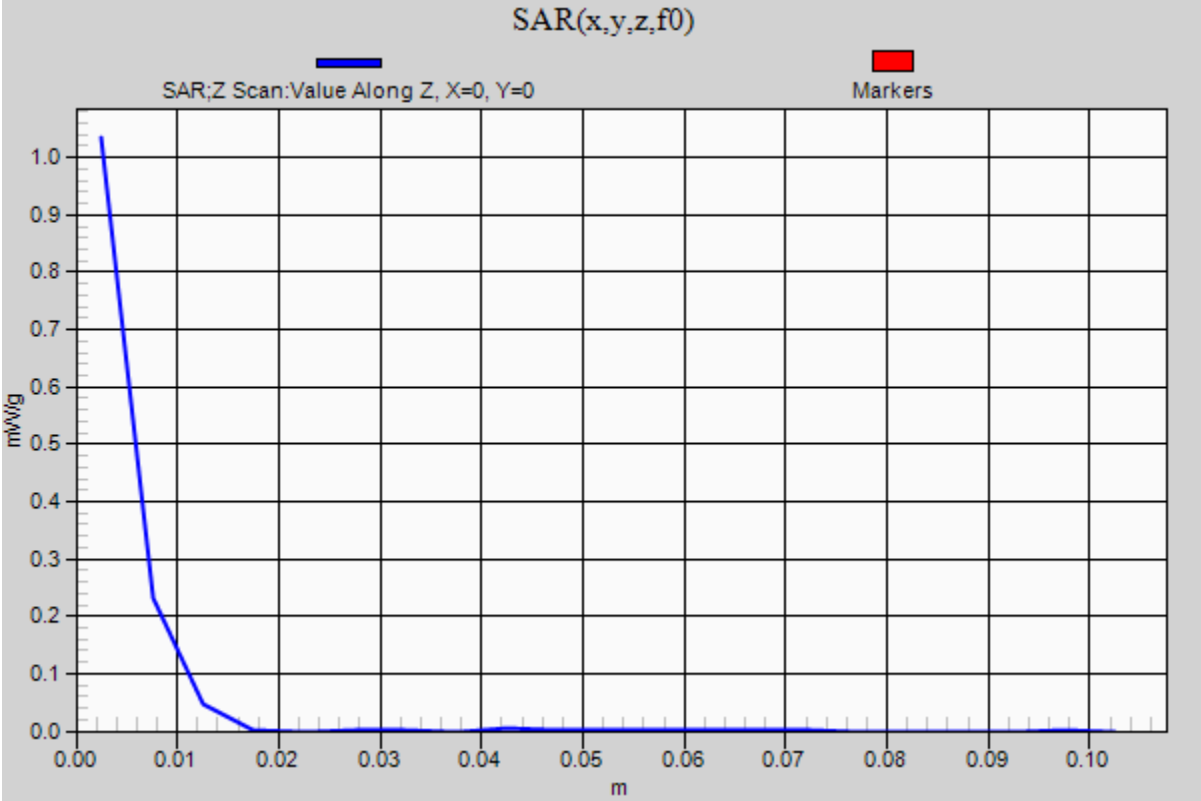
Date: 1/13/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

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

**Primary Portrait/802.11a_Ant B_ch 60/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 1.034 mW/g



Date: 1/13/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

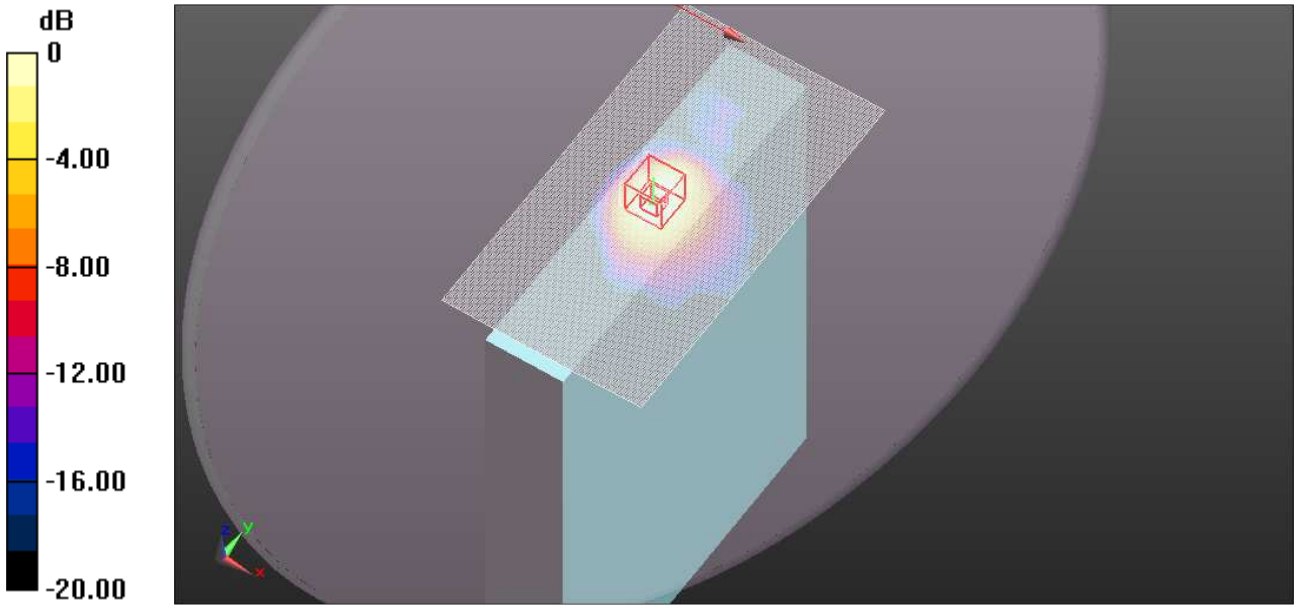
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5270 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5270 MHz; $\sigma$ = 5.446 mho/m; $\varepsilon_r$ = 46.946; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(4.17, 4.17, 4.17); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Primary Portrait/802.11n_HT40_Ant B_ch 54/Area Scan (121x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.984 mW/g

**Primary Portrait/802.11n_HT40_Ant B_ch 54/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 13.710 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 2.0730
**SAR(1 g) = 0.640 mW/g; SAR(10 g) = 0.256 mW/g**
Maximum value of SAR (measured) = 1.009 mW/g




0 dB = 1.010mW/g = 0.09 dB mW/g

Date: 1/18/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

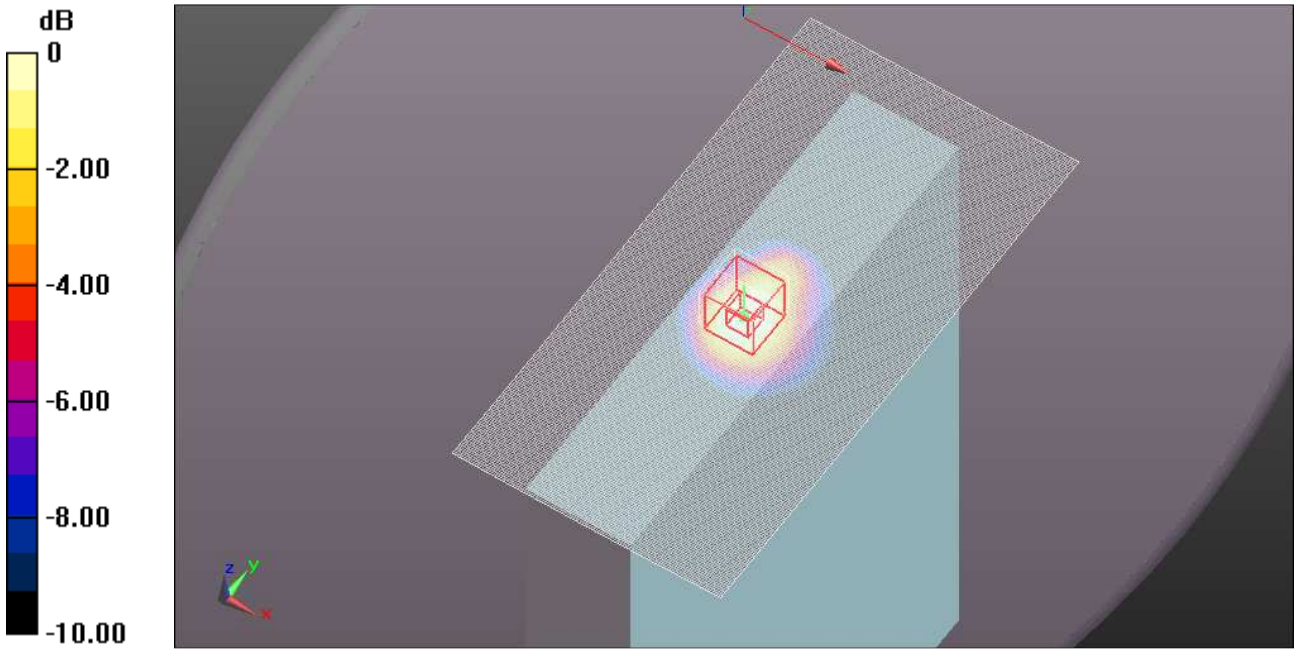
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5500 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; $\sigma$ = 5.604 mho/m; $\varepsilon_r$ = 47.07; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(3.77, 3.77, 3.77); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Primary Portrait/802.11a_Ant B_ch 100/Area Scan (121x241x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.392 mW/g

**Primary Portrait/802.11a_Ant B_ch 100/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 14.973 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 2.5560
**SAR(1 g) = 0.771 mW/g; SAR(10 g) = 0.310 mW/g**
Maximum value of SAR (measured) = 1.228 mW/g




0 dB = 1.230mW/g = 1.80 dB mW/g

Date: 1/18/2012

Test Laboratory: UL CCS SAR Lab B

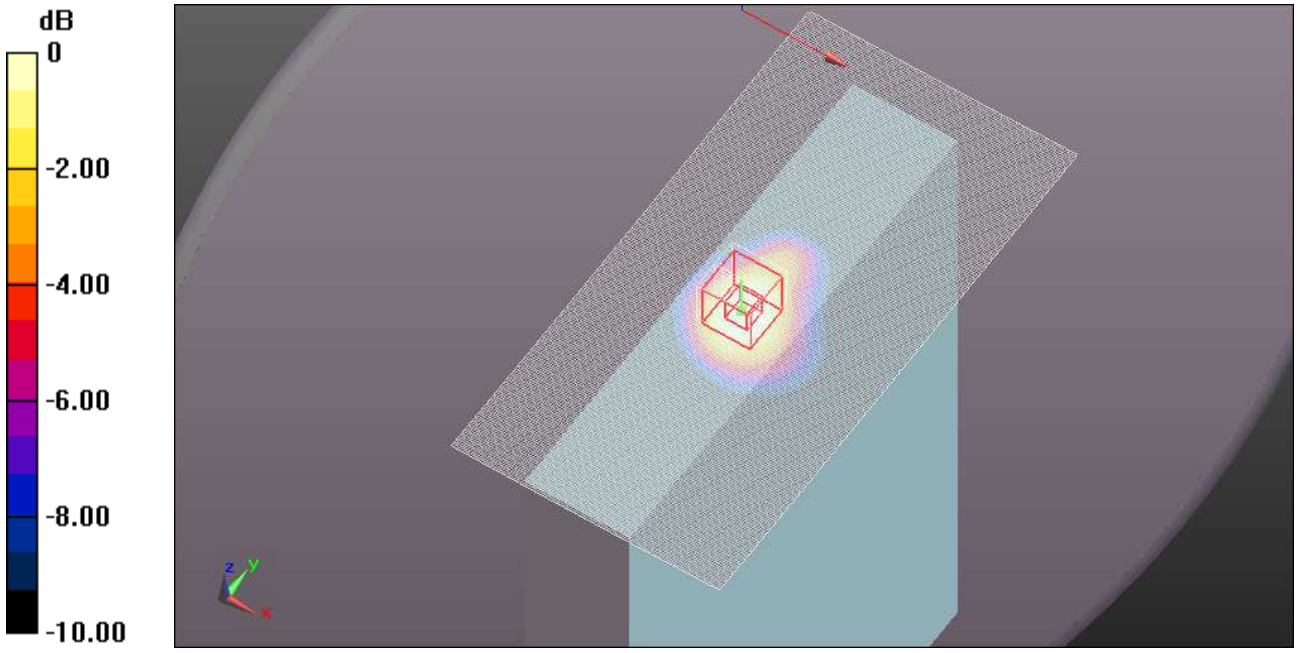
## 5GHz

Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; $\sigma$ = 5.738 mho/m; $\varepsilon_r$ = 46.931; $\rho$ = 1000 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: EX3DV3 - SN3531; ConvF(3.51, 3.51, 3.51); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Primary Portrait/802.11a_Ant B_ch 120/Area Scan (121x241x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.580 mW/g

**Primary Portrait/802.11a_Ant B_ch 120/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 15.900 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 2.8210
**SAR(1 g) = 0.857 mW/g; SAR(10 g) = 0.347 mW/g**
Maximum value of SAR (measured) = 1.373 mW/g




0 dB = 1.370mW/g = 2.73 dB mW/g

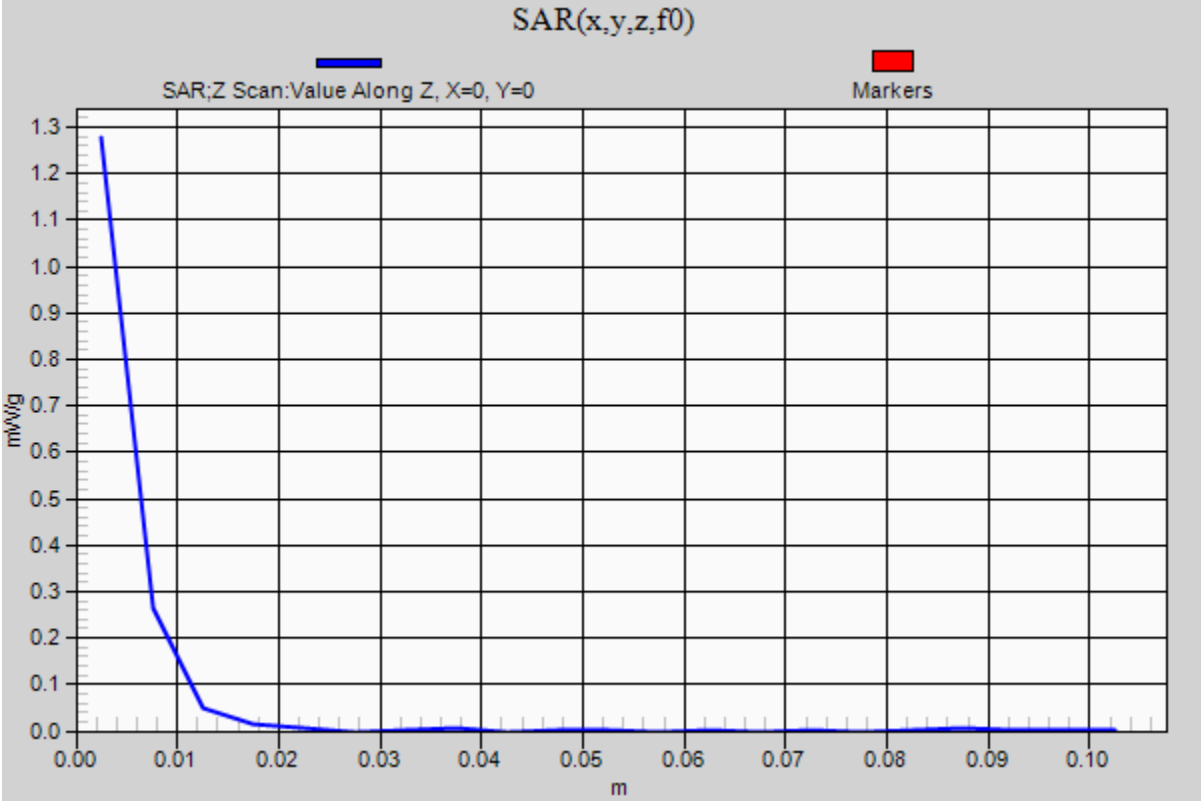
Date: 1/18/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5600 MHz; Duty Cycle: 1:1

**Primary Portrait/802.11a_Ant B_ch 120/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 1.278 mW/g



Date: 1/19/2012

Test Laboratory: UL CCS SAR Lab B

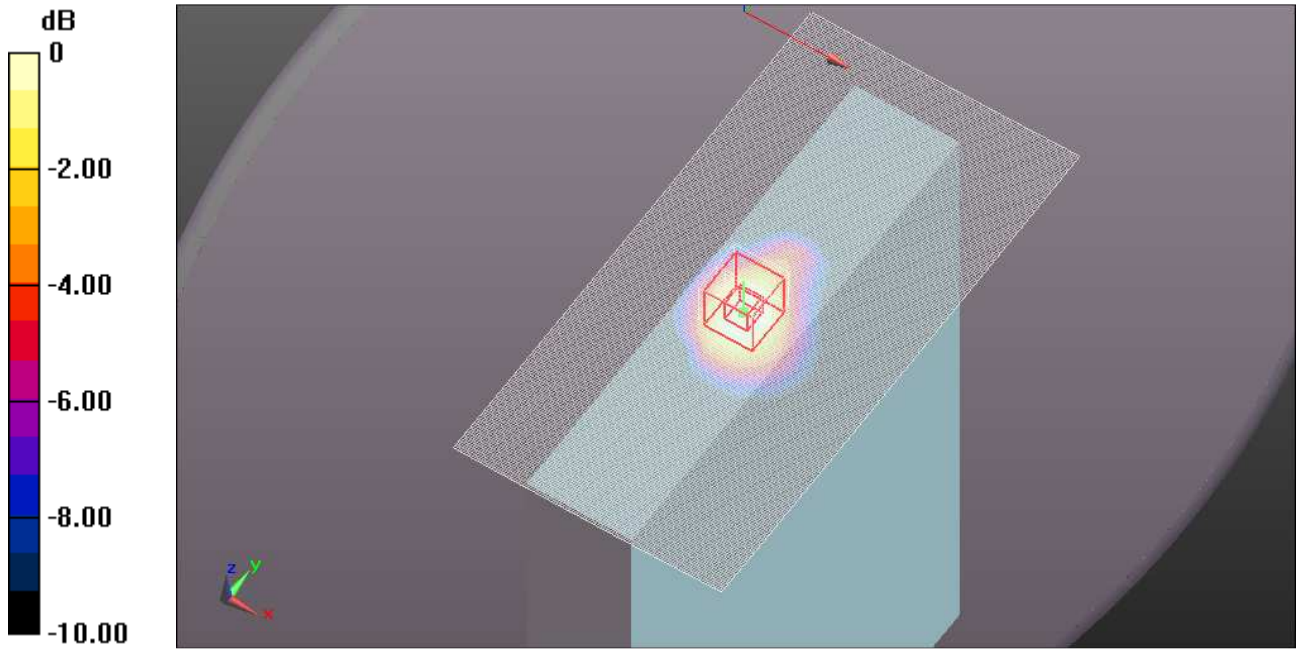
## 5GHz

Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5700 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5700 MHz; $\sigma$ = 5.875 mho/m; $\varepsilon_r$ = 46.78; $\rho$ = 1000 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: EX3DV3 - SN3531; ConvF(3.51, 3.51, 3.51); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Primary Portrait/802.11a_Ant B_ch 140/Area Scan (121x241x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.197 mW/g

**Primary Portrait/802.11a_Ant B_ch 140/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 13.751 V/m; Power Drift = -0.00085 dB
Peak SAR (extrapolated) = 2.1800
**SAR(1 g) = 0.660 mW/g; SAR(10 g) = 0.264 mW/g**
Maximum value of SAR (measured) = 1.069 mW/g




0 dB = 1.070mW/g = 0.59 dB mW/g

Date: 1/19/2012

Test Laboratory: UL CCS SAR Lab B

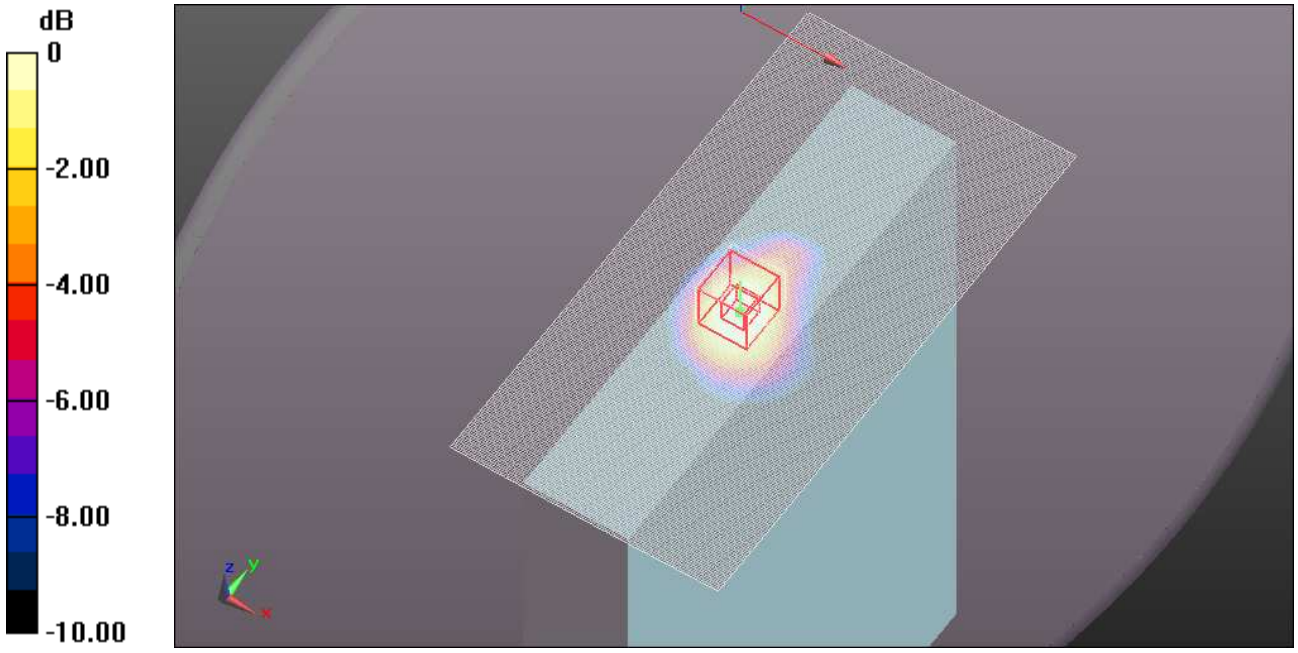
## 5GHz

Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5785 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5785 MHz; $\sigma$ = 5.99 mho/m; $\varepsilon_r$ = 46.637; $\rho$ = 1000 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: EX3DV3 - SN3531; ConvF(3.67, 3.67, 3.67); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Primary Portrait/802.11a_Ant B_ch 157/Area Scan (121x241x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.206 mW/g

**Primary Portrait/802.11a_Ant B_ch 157/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 13.657 V/m; Power Drift = 0.006 dB
Peak SAR (extrapolated) = 2.2260
**SAR(1 g) = 0.665 mW/g; SAR(10 g) = 0.267 mW/g**
Maximum value of SAR (measured) = 1.070 mW/g




0 dB = 1.070mW/g = 0.59 dB mW/g

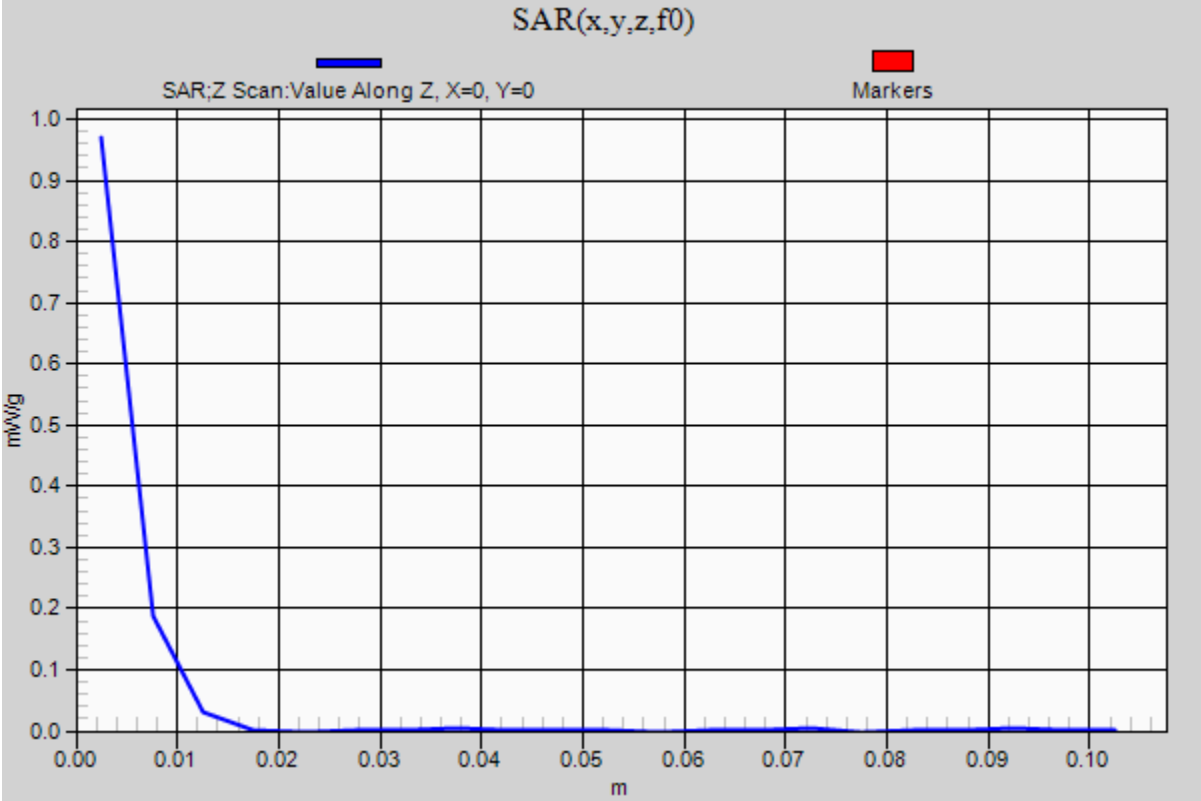
Date: 1/19/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

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

**Primary Portrait/802.11a_Ant B_ch 157/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.970 mW/g



Date: 1/13/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

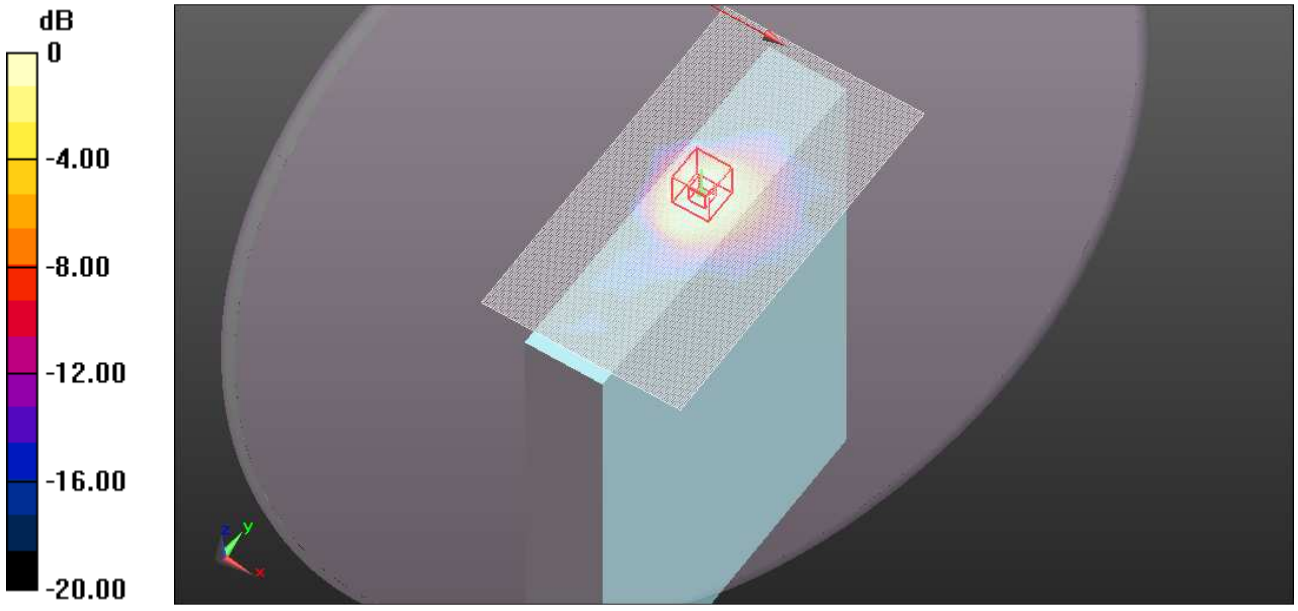
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5180 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5180 MHz; $\sigma$ = 5.319 mho/m; $\varepsilon_r$ = 47.111; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(4.39, 4.39, 4.39); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Secondary Portrait/802.11a_Ant A_ch 36/Area Scan (121x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.616 mW/g

**Secondary Portrait/802.11a_Ant A_ch 36/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 10.510 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.3240
**SAR(1 g) = 0.390 mW/g; SAR(10 g) = 0.154 mW/g**
Maximum value of SAR (measured) = 0.622 mW/g




0 dB = 0.620mW/g = -4.15 dB mW/g

Date: 1/13/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

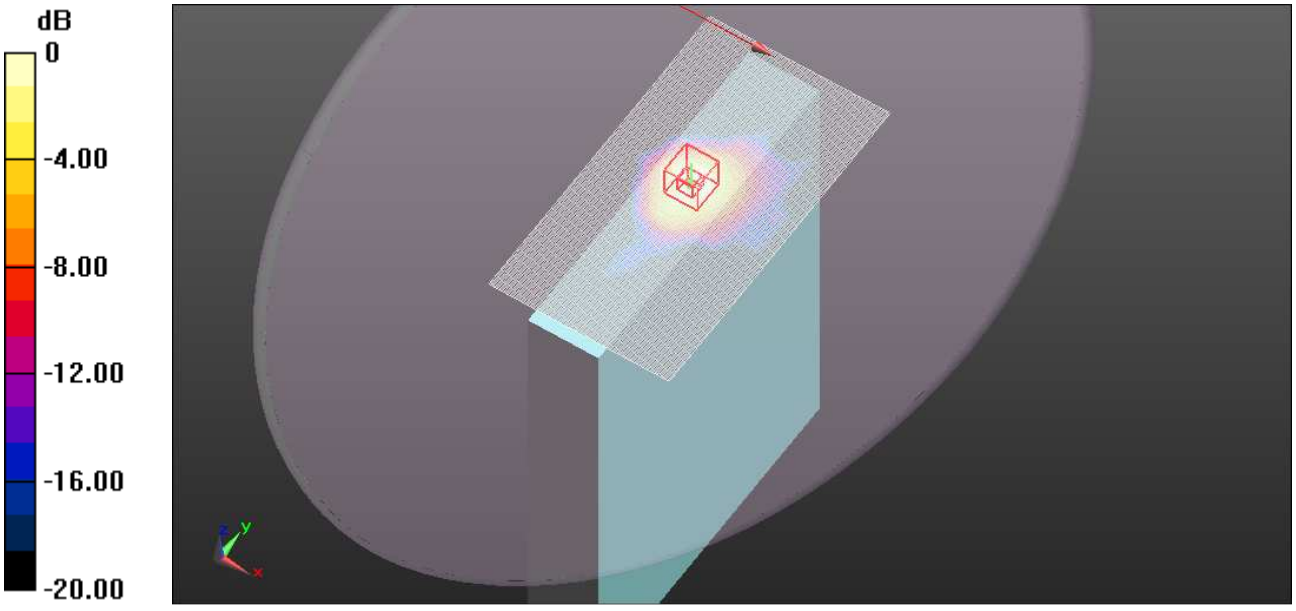
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5300 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; $\sigma$ = 5.492 mho/m; $\varepsilon_r$ = 46.897; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(4.17, 4.17, 4.17); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Secondary Portrait/802.11a_Ant A_ch 60/Area Scan (121x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.698 mW/g

**Secondary Portrait/802.11a_Ant A_ch 60/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 11.558 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.4730
**SAR(1 g) = 0.450 mW/g; SAR(10 g) = 0.177 mW/g**
Maximum value of SAR (measured) = 0.720 mW/g




0 dB = 0.720mW/g = -2.85 dB mW/g

Date: 1/13/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

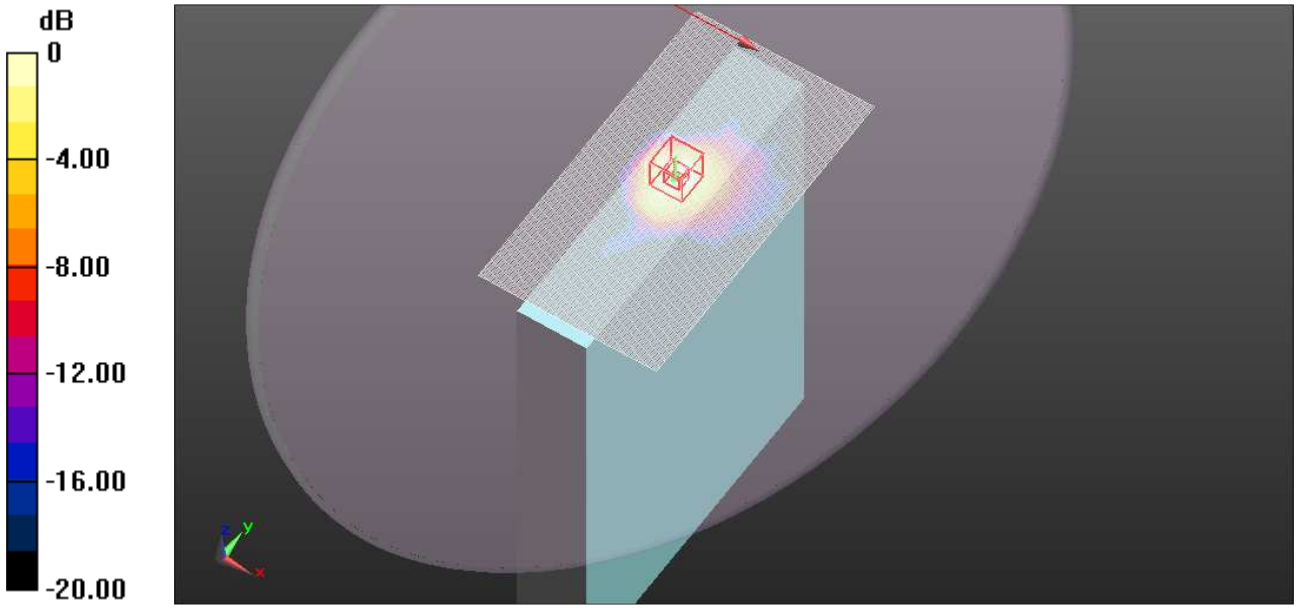
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5270 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5270 MHz; $\sigma$ = 5.446 mho/m; $\varepsilon_r$ = 46.946; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(4.17, 4.17, 4.17); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Secondary Portrait/802.11n_HT40_Ant A_ch 54/Area Scan (121x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.758 mW/g

**Secondary Portrait/802.11n_HT40_Ant A_ch 54/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 12.011 V/m; Power Drift = 0.008 dB
Peak SAR (extrapolated) = 1.5650
**SAR(1 g) = 0.492 mW/g; SAR(10 g) = 0.194 mW/g**
Maximum value of SAR (measured) = 0.788 mW/g




0 dB = 0.790mW/g = -2.05 dB mW/g

Date: 1/13/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

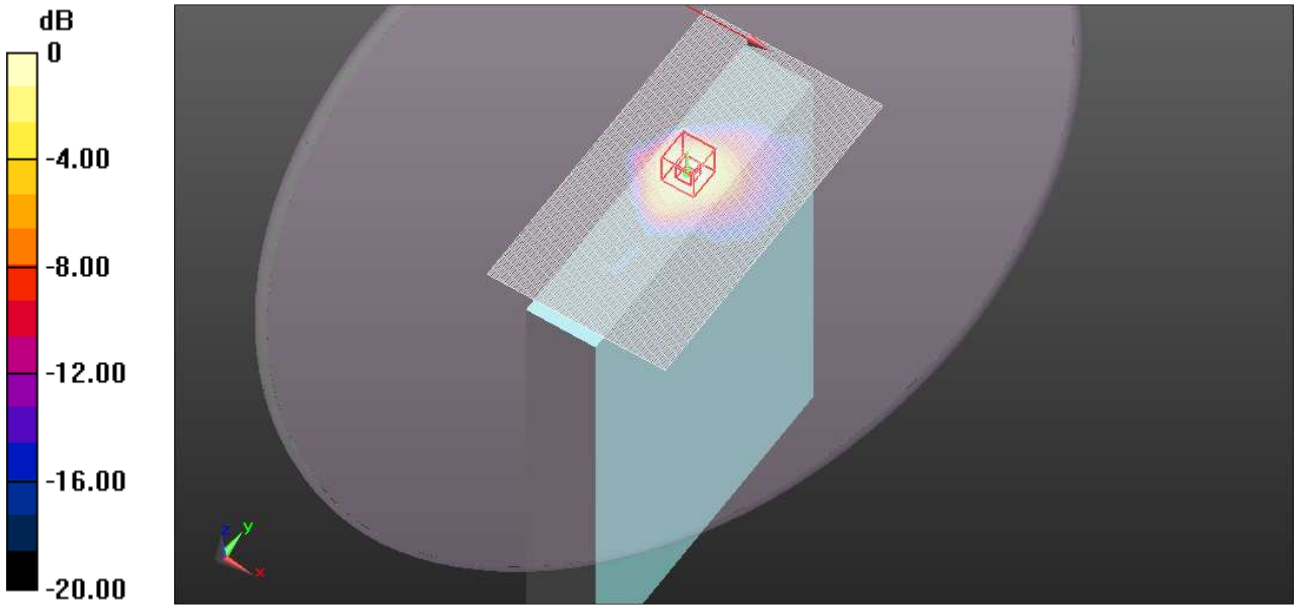
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5500 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; $\sigma$ = 5.758 mho/m; $\varepsilon_r$ = 46.542; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(3.77, 3.77, 3.77); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

### Secondary Portrait/802.11a_Ant A_ch 100/Area Scan (121x221x1): Measurement grid:
dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.961 mW/g

### Secondary Portrait/802.11a_Ant A_ch 100/Zoom Scan (7x7x9)/Cube 0: Measurement grid:
dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 13.451 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 2.1320
**SAR(1 g) = 0.624 mW/g; SAR(10 g) = 0.242 mW/g**
Maximum value of SAR (measured) = 1.010 mW/g




0 dB = 1.010mW/g = 0.09 dB mW/g

Date: 1/13/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

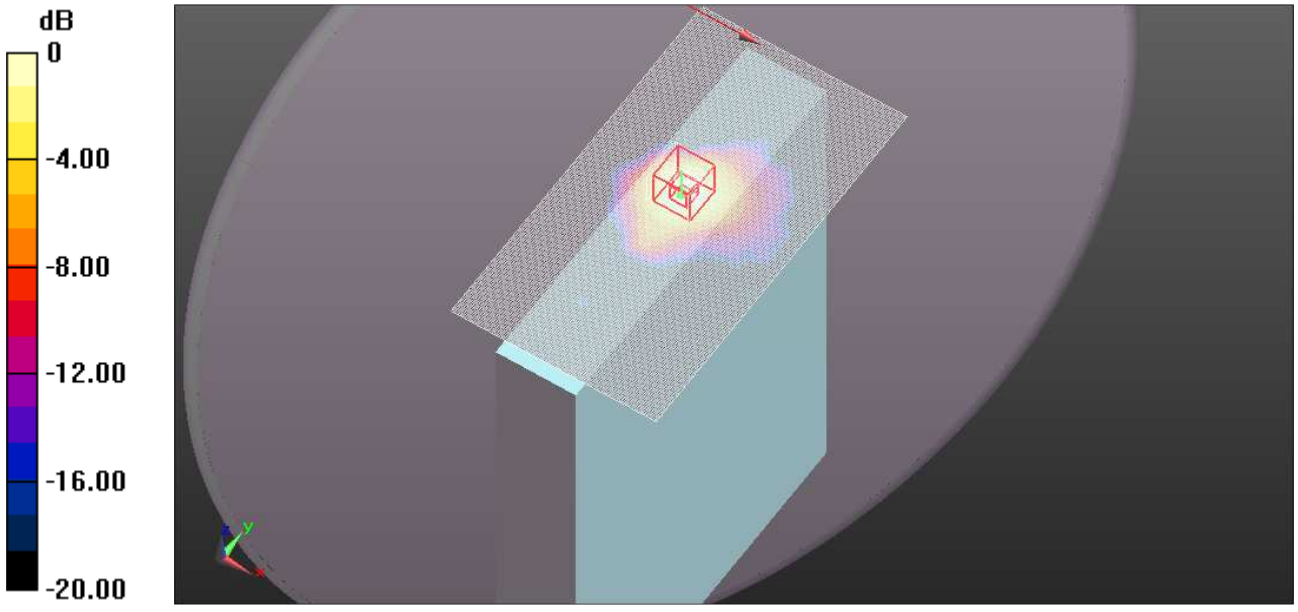
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; $\sigma$ = 5.89 mho/m; $\varepsilon_r$ = 46.373; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(3.51, 3.51, 3.51); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Secondary Portrait/802.11a_Ant A_ch 120/Area Scan (121x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.772 mW/g

**Secondary Portrait/802.11a_Ant A_ch 120/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 12.057 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.6730
**SAR(1 g) = 0.501 mW/g; SAR(10 g) = 0.192 mW/g**
Maximum value of SAR (measured) = 0.812 mW/g




0 dB = 0.810mW/g = -1.83 dB mW/g

Date: 1/13/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

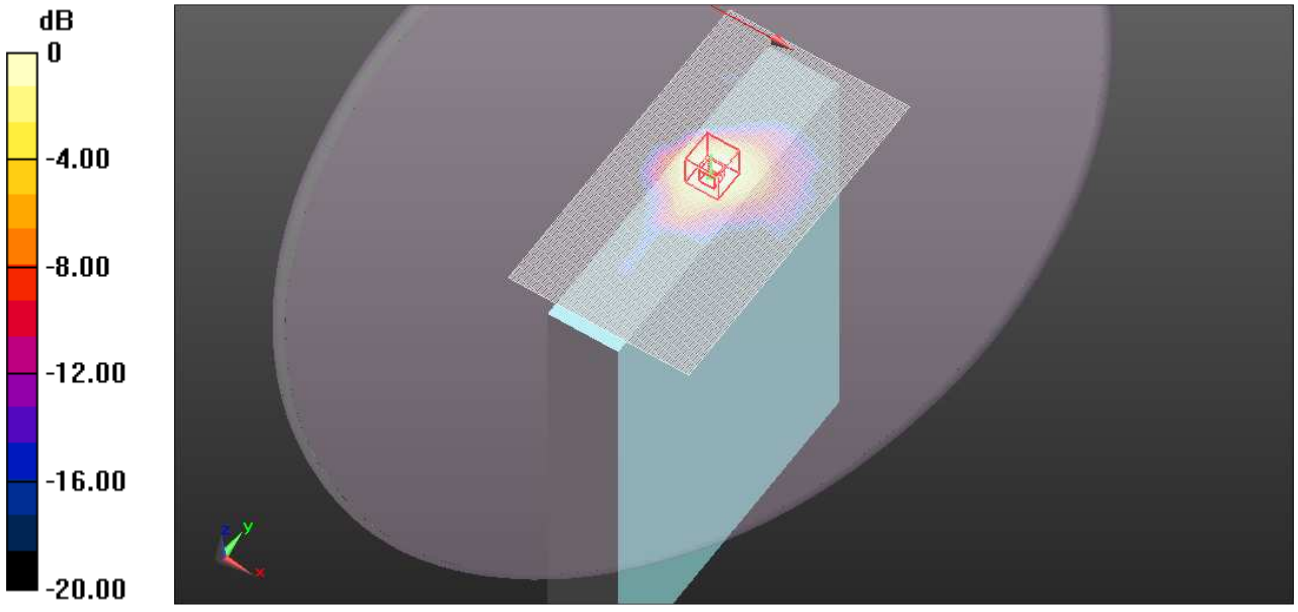
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5700 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5700 MHz; $\sigma$ = 6.024 mho/m; $\varepsilon_r$ = 46.214; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(3.51, 3.51, 3.51); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

### Secondary Portrait/802.11a_Ant A_ch 140/Area Scan (121x221x1): Measurement grid:
dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.787 mW/g

### Secondary Portrait/802.11a_Ant A_ch 140/Zoom Scan (7x7x9)/Cube 0: Measurement grid:
dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 11.640 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.5250
**SAR(1 g) = 0.465 mW/g; SAR(10 g) = 0.183 mW/g**
Maximum value of SAR (measured) = 0.750 mW/g




0 dB = 0.750mW/g = -2.50 dB mW/g

Date: 1/13/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

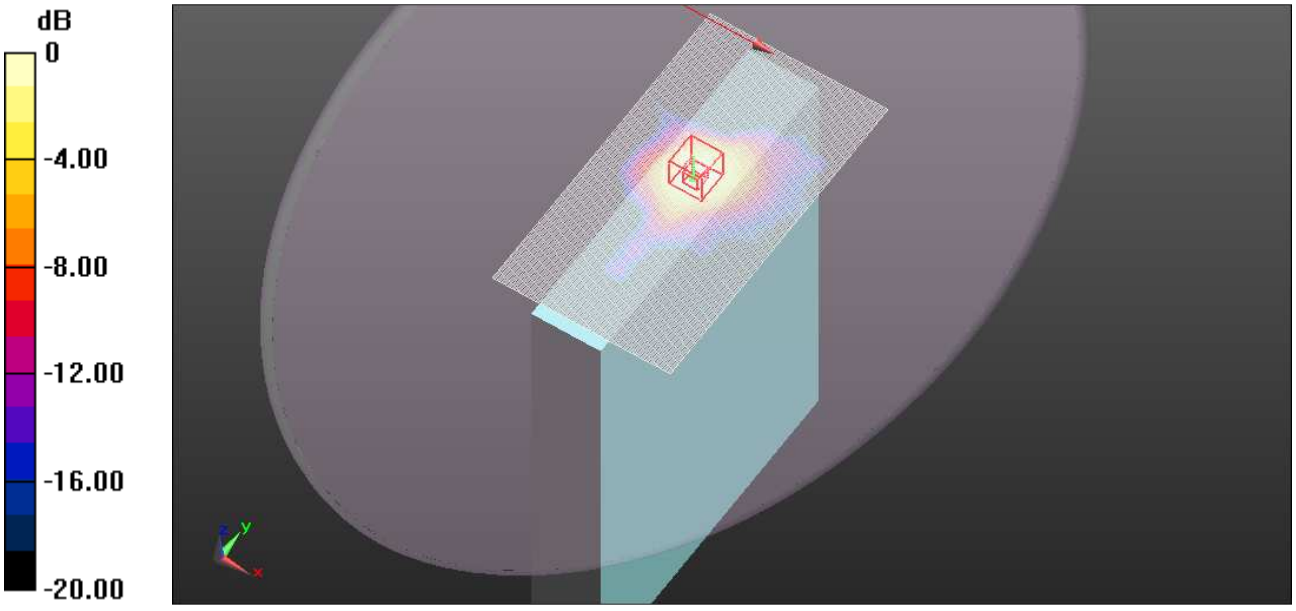
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5745 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5745 MHz; $\sigma$ = 6.082 mho/m; $\varepsilon_r$ = 46.149; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(3.67, 3.67, 3.67); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Secondary Portrait/802.11a_Ant A_ch 149/Area Scan (121x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.656 mW/g

**Secondary Portrait/802.11a_Ant A_ch 149/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 10.629 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.3080
**SAR(1 g) = 0.391 mW/g; SAR(10 g) = 0.150 mW/g**
Maximum value of SAR (measured) = 0.651 mW/g




0 dB = 0.650mW/g = -3.74 dB mW/g

Date: 1/13/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5180 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5180 MHz; $\sigma$ = 5.145 mho/m; $\varepsilon_r$ = 47.228; $\rho$ = 1000 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: EX3DV3 - SN3531; ConvF(4.39, 4.39, 4.39); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

### Lap held/802.11a_Ant A_ch 36/Area Scan (171x241x1): Measurement grid: dx=10mm, dy=10mm

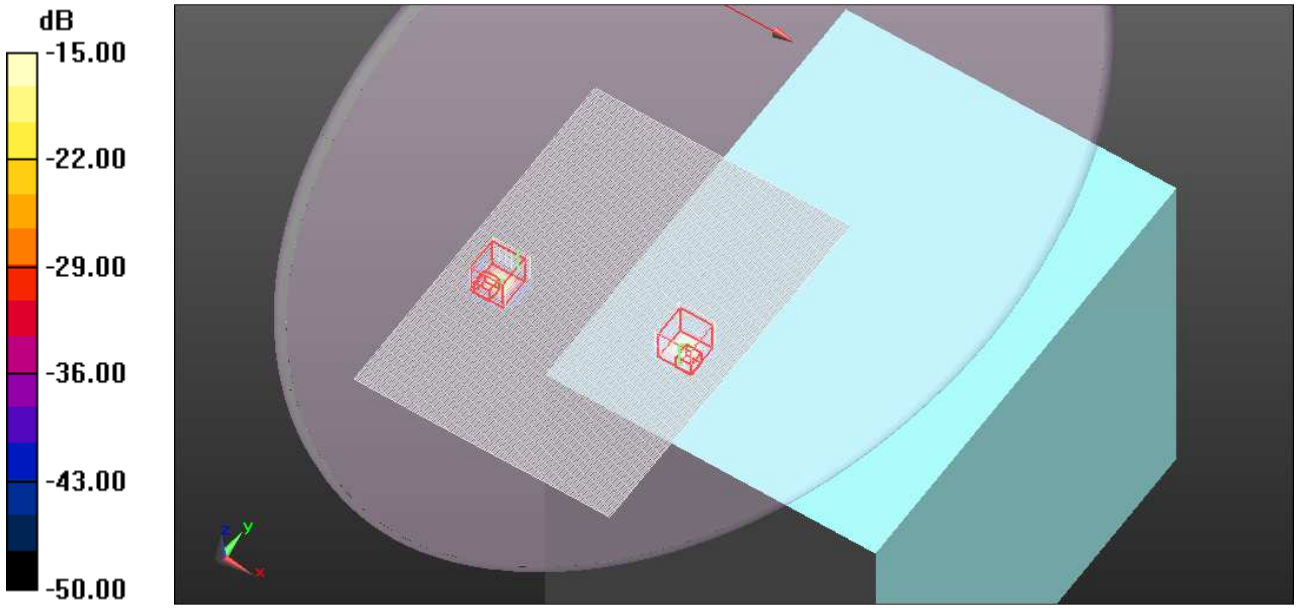
Maximum value of SAR (interpolated) = 0.00401 mW/g

### Lap held/802.11a_Ant A_ch 36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.749 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.001810
**SAR(1 g) = 2.42e-005 mW/g; SAR(10 g) = 2.51e-006 mW/g**
Maximum value of SAR (measured) = 0.00411 mW/g

### Lap held/802.11a_Ant A_ch 36/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.749 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.002930
**SAR(1 g) = 0.000104 mW/g; SAR(10 g) = 1.14e-005 mW/g**
Maximum value of SAR (measured) = 0.00614 mW/g




0 dB = 0.0061mW/g = -44.29 dB mW/g

Date: 1/14/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

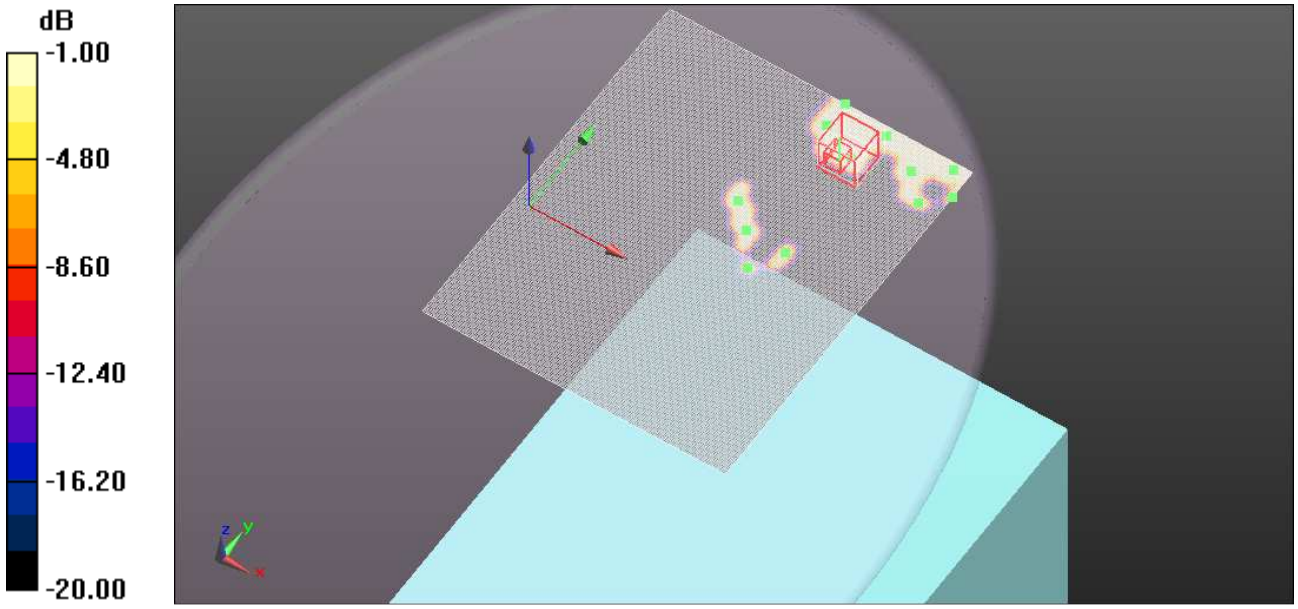
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5180 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5180 MHz; $\sigma$ = 5.145 mho/m; $\varepsilon_r$ = 47.228; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(4.39, 4.39, 4.39); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Lap held/802.11a_Ant B_ch 36/Area Scan (181x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.049 mW/g

**Lap held/802.11a_Ant B_ch 36/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.008 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.1720
**SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.00674 mW/g**
Maximum value of SAR (measured) = 0.023 mW/g




0 dB = 0.020mW/g = -33.98 dB mW/g

Date: 1/13/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

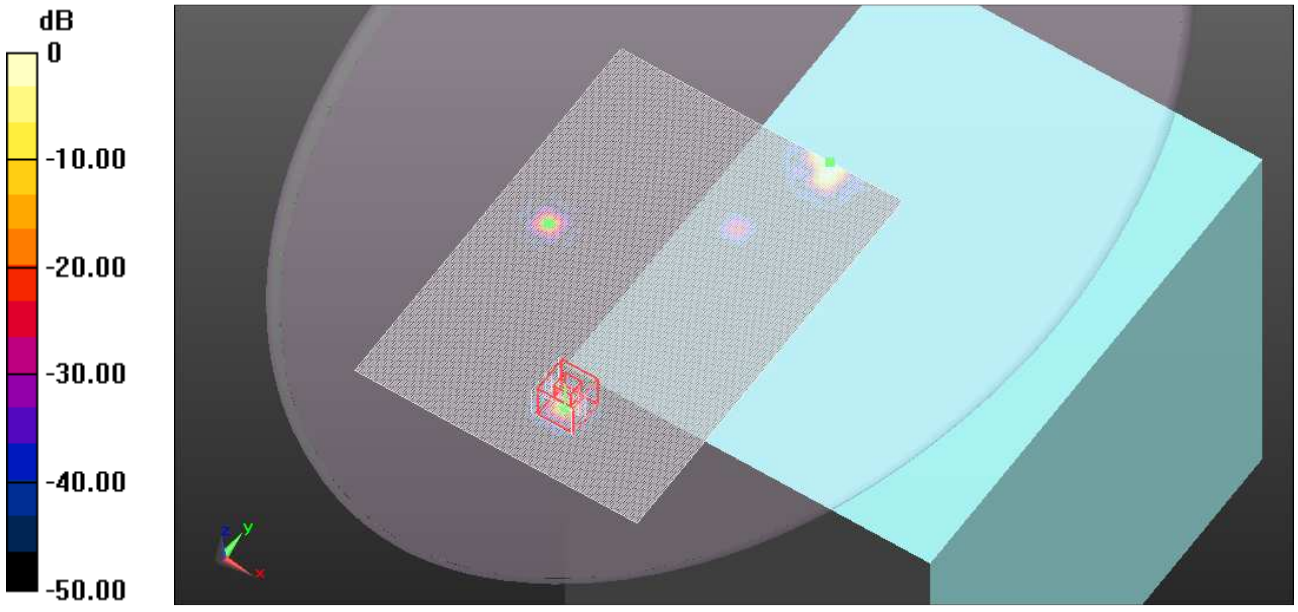
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5300 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; $\sigma$ = 5.294 mho/m; $\varepsilon_r$ = 47.023; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(4.17, 4.17, 4.17); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Lap held/802.11a_Ant A_ch 60/Area Scan (171x241x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.039 mW/g

**Lap held/802.11a_Ant A_ch 60/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.634 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.0170
**SAR(1 g) = 4.3e-005 mW/g; SAR(10 g) = 2.63e-006 mW/g**
Maximum value of SAR (measured) = 0.017 mW/g




0 dB = 0.020mW/g = -33.98 dB mW/g

Date: 1/14/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

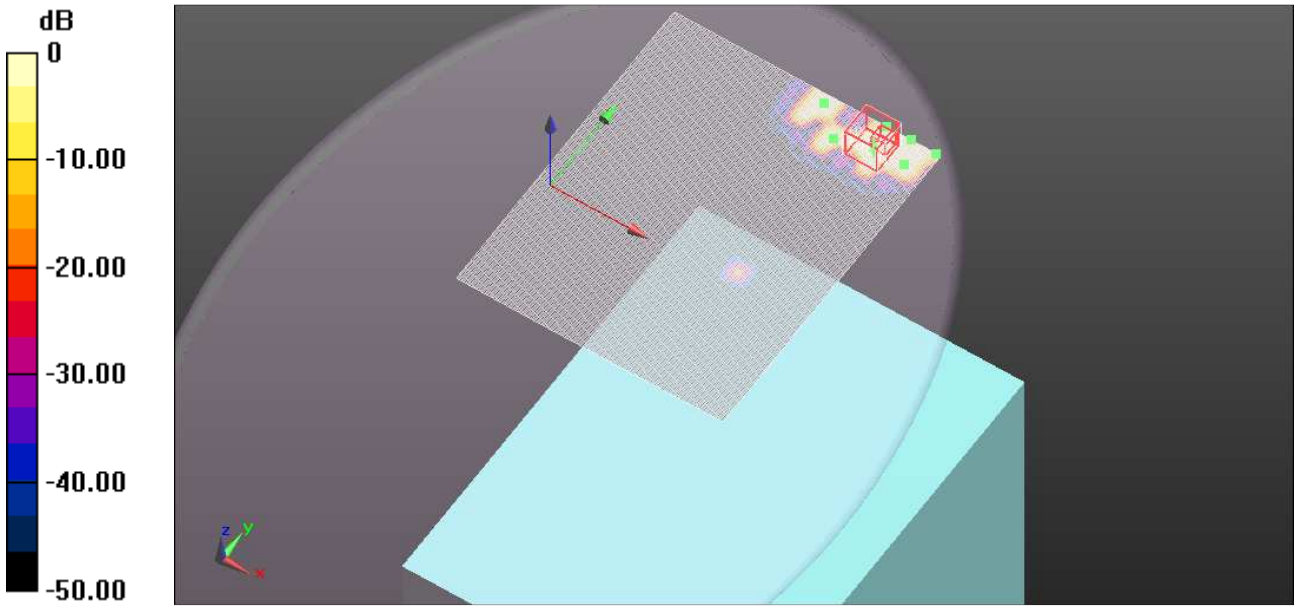
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5300 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; $\sigma$ = 5.294 mho/m; $\varepsilon_r$ = 47.023; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(4.17, 4.17, 4.17); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Lap held/802.11a_Ant B_ch 60/Area Scan (181x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.045 mW/g

**Lap held/802.11a_Ant B_ch 60/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.887 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.1580
**SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.00733 mW/g**
Maximum value of SAR (measured) = 0.021 mW/g




0 dB = 0.020mW/g = -33.98 dB mW/g

Date: 1/13/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

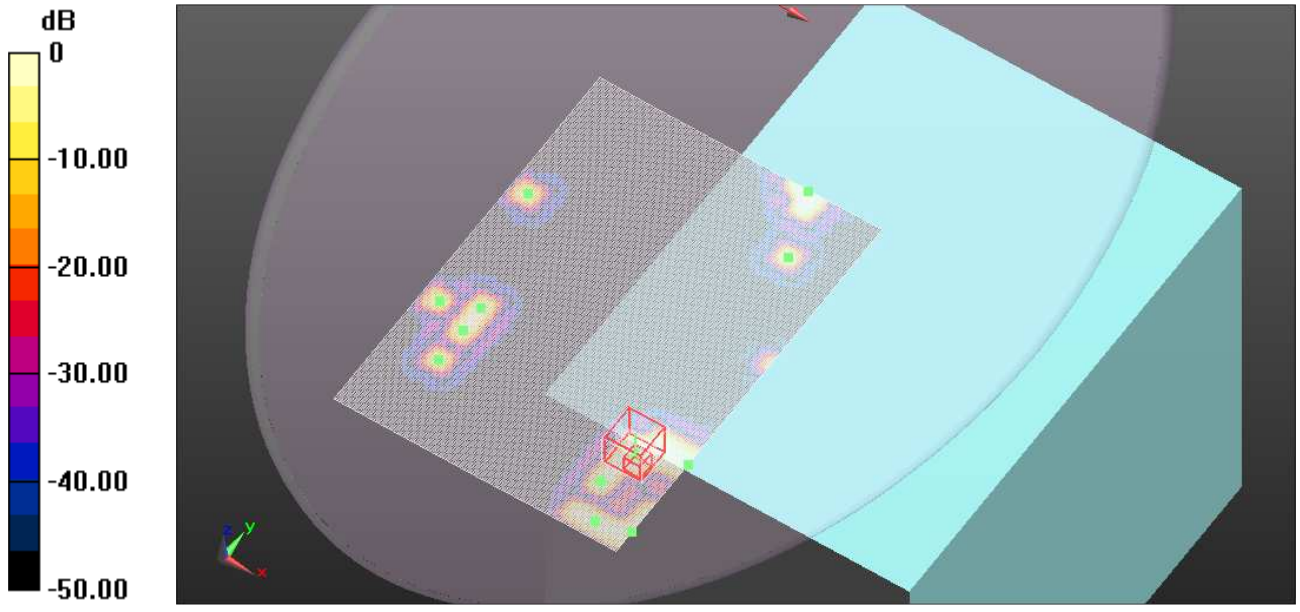
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5270 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5270 MHz; $\sigma$ = 5.247 mho/m; $\varepsilon_r$ = 47.074; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(4.17, 4.17, 4.17); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Lap held/802.11n_HT40_Ant A_ch 54/Area Scan (171x241x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.079 mW/g

**Lap held/802.11n_HT40_Ant A_ch 54/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.385 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.0140
**SAR(1 g) = 0.000383 mW/g; SAR(10 g) = 8.15e-005 mW/g**
Maximum value of SAR (measured) = 0.014 mW/g




0 dB = 0.010mW/g = -40.00 dB mW/g

Date: 1/14/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

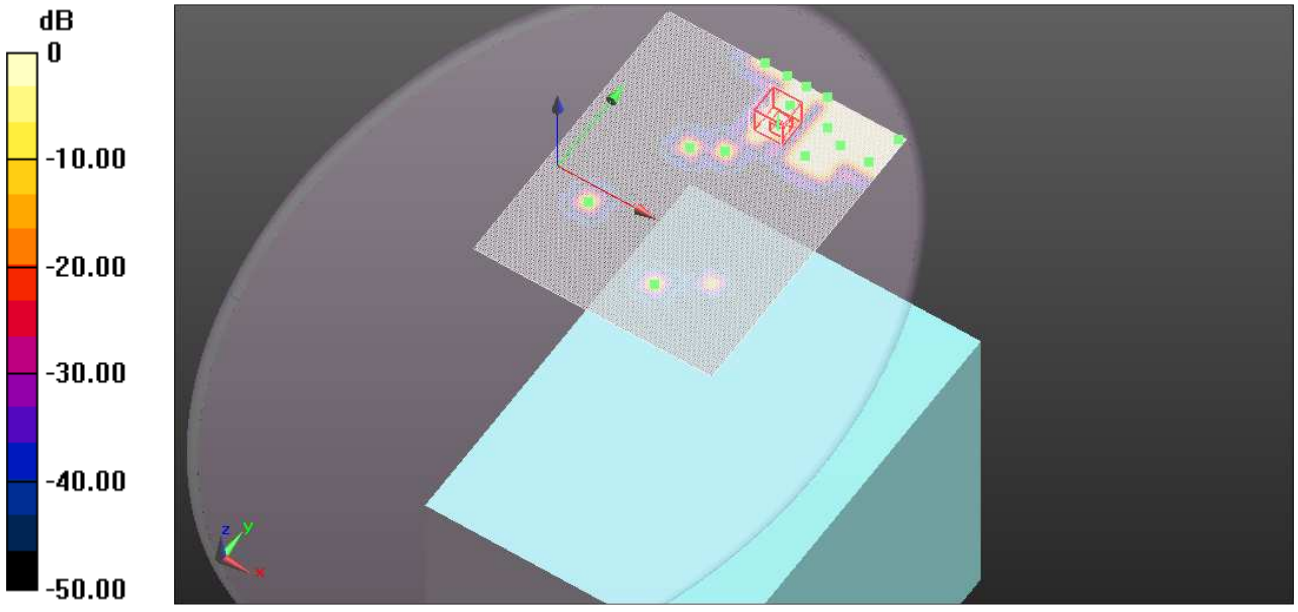
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5270 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5270 MHz; $\sigma$ = 5.247 mho/m; $\varepsilon_r$ = 47.074; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(4.17, 4.17, 4.17); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Lap held/802.11n_HT40_Ant B_ch 54/Area Scan (181x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.048 mW/g

**Lap held/802.11n_HT40_Ant B_ch 54/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.967 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.1900
**SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.00689 mW/g**
Maximum value of SAR (measured) = 0.023 mW/g




0 dB = 0.020mW/g = -33.98 dB mW/g

Date: 1/13/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

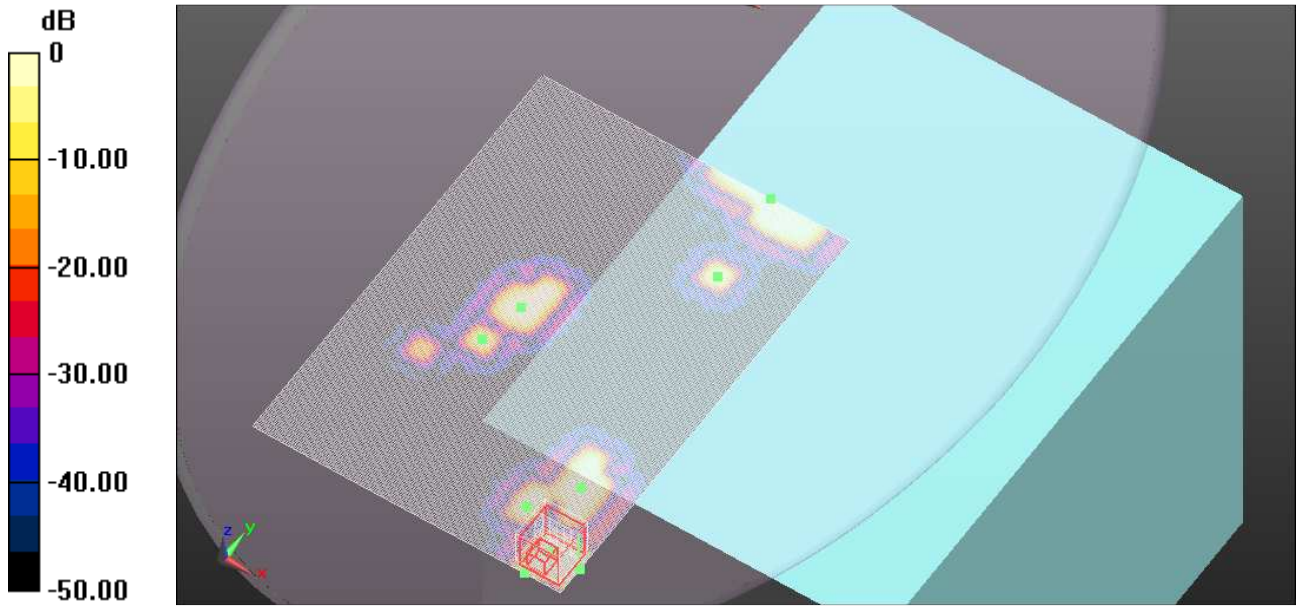
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; $\sigma$ = 5.645 mho/m; $\varepsilon_r$ = 46.538; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(3.51, 3.51, 3.51); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Lap held/802.11a_Ant A_ch 120/Area Scan (171x241x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.200 mW/g

**Lap held/802.11a_Ant A_ch 120/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 5.229 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.0570
**SAR(1 g) = 0.00222 mW/g; SAR(10 g) = 0.000542 mW/g**
Maximum value of SAR (measured) = 0.017 mW/g




0 dB = 0.020mW/g = -33.98 dB mW/g

Date: 1/14/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

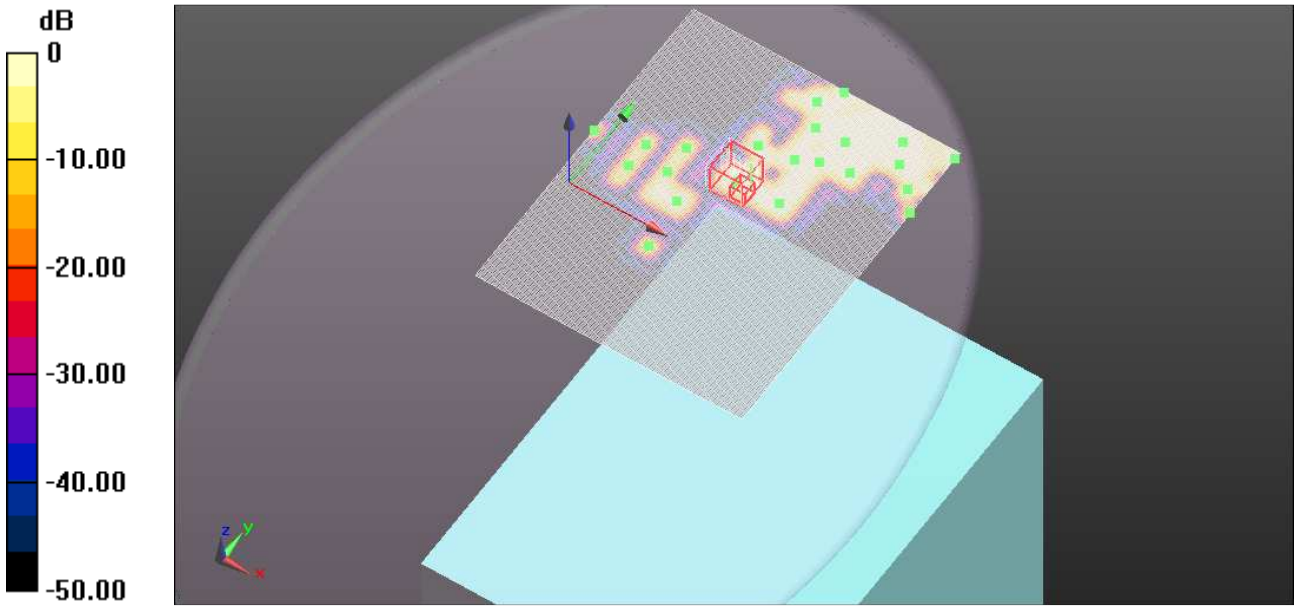
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; $\sigma$ = 5.645 mho/m; $\varepsilon_r$ = 46.538; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(3.51, 3.51, 3.51); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Lap held/802.11a_Ant B_ch 120/Area Scan (181x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.105 mW/g

**Lap held/802.11a_Ant B_ch 120/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.507 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.2760
**SAR(1 g) = 0.030 mW/g; SAR(10 g) = 0.00972 mW/g**
Maximum value of SAR (measured) = 0.038 mW/g




0 dB = 0.040mW/g = -27.96 dB mW/g

Date: 1/13/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

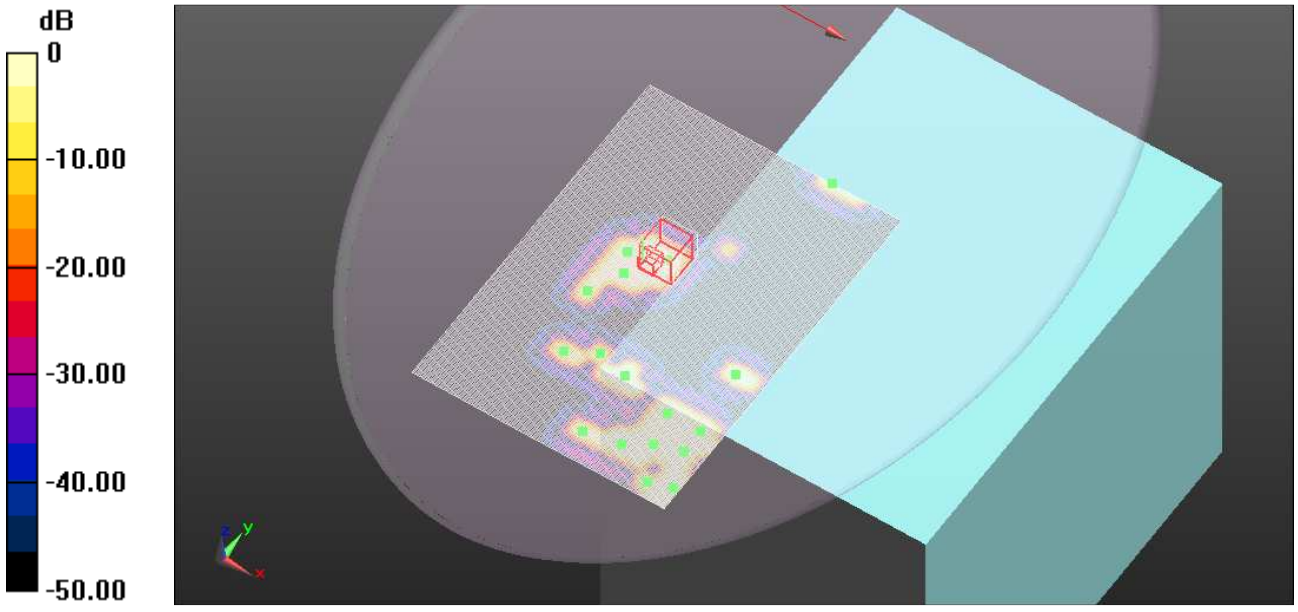
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5745 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5745 MHz; $\sigma$ = 5.827 mho/m; $\varepsilon_r$ = 46.312; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(3.67, 3.67, 3.67); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Lap held/802.11a_Ant A_ch 149/Area Scan (171x241x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.052 mW/g

**Lap held/802.11a_Ant A_ch 149/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.933 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.1930
**SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00166 mW/g**
Maximum value of SAR (measured) = 0.025 mW/g




0 dB = 0.020mW/g = -33.98 dB mW/g

Date: 1/14/2012

Test Laboratory: UL CCS SAR Lab B

## 5GHz

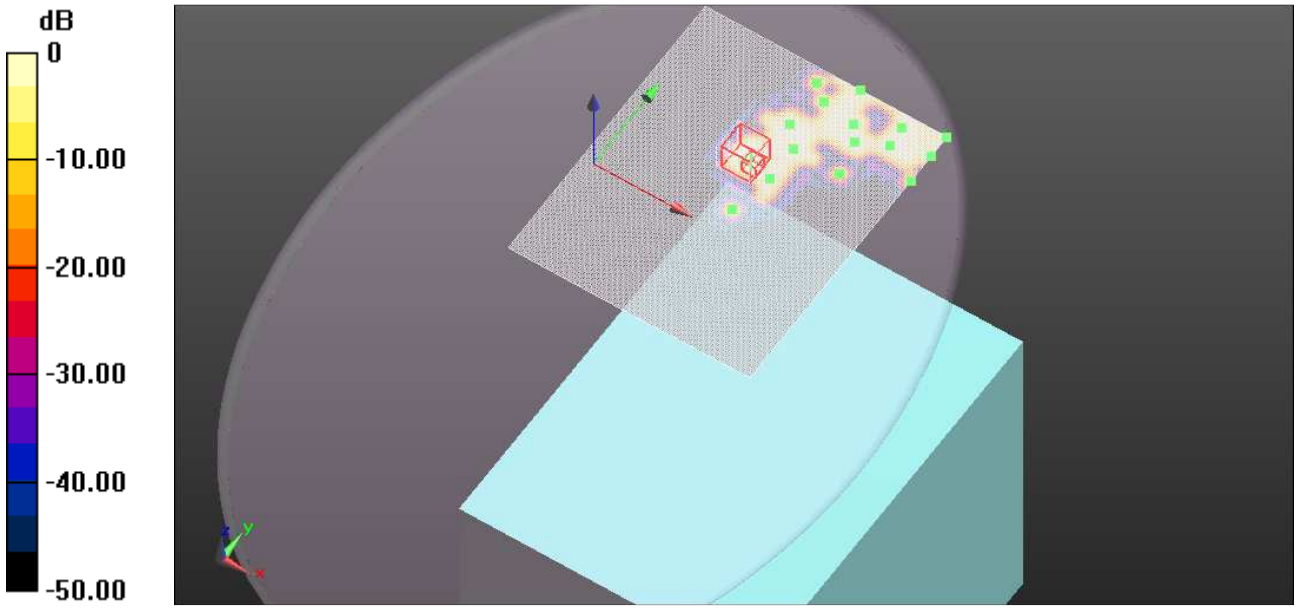
Communication System: IEEE 802.11a/n 5 GHz Band; Frequency: 5785 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5785 MHz; $\sigma$ = 5.876 mho/m; $\varepsilon_r$ = 46.276; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

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: EX3DV3 - SN3531; ConvF(3.67, 3.67, 3.67); Calibrated: 12/19/2011
- 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 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Lap held/802.11a_Ant B_ch 157/Area Scan (181x221x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.091 mW/g

**Lap held/802.11a_Ant B_ch 157/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.304 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.2730
**SAR(1 g) = 0.029 mW/g; SAR(10 g) = 0.00949 mW/g**
Maximum value of SAR (measured) = 0.038 mW/g




0 dB = 0.040mW/g = -27.96 dB mW/g