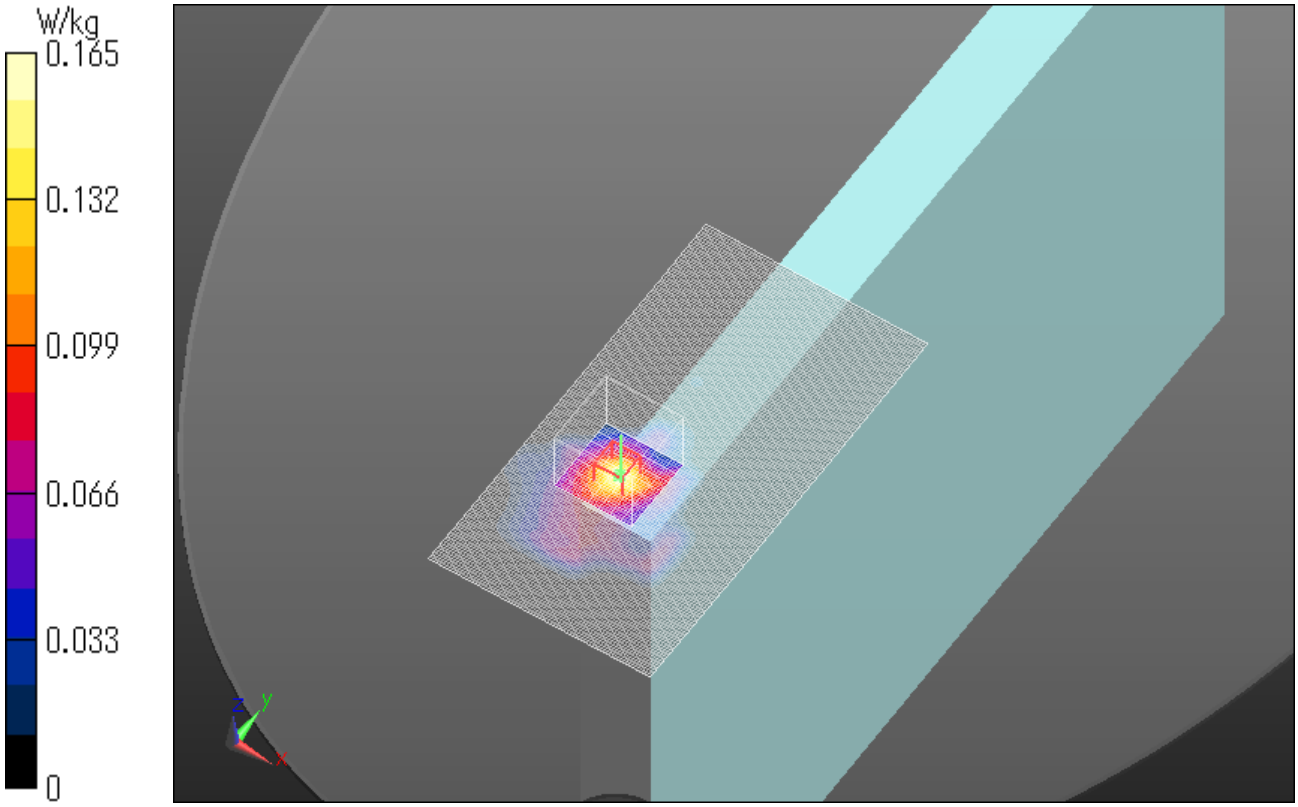
15.5 SAR test plots for WLAN 5.8GHz band

WLAN 5.8G Ant Main 11n40 HT0 5795MHz Edge1 0mm
Communication System: UID 0, WLAN (0); Communication System Band: 11ac80; Frequency: 5795 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5795 MHz; σ = 6.183 S/m; ε_r = 46.904; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3825; ConvF(4.2, 4.2, 4.2); Calibrated: 2016/12/12;
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn509; Calibrated: 2016/07/07
Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1045
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (81x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.184 W/kg

Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 6.080 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.276 W/kg
SAR(1 g) = 0.054 W/kg
Maximum value of SAR (measured) = 0.165 W/kg

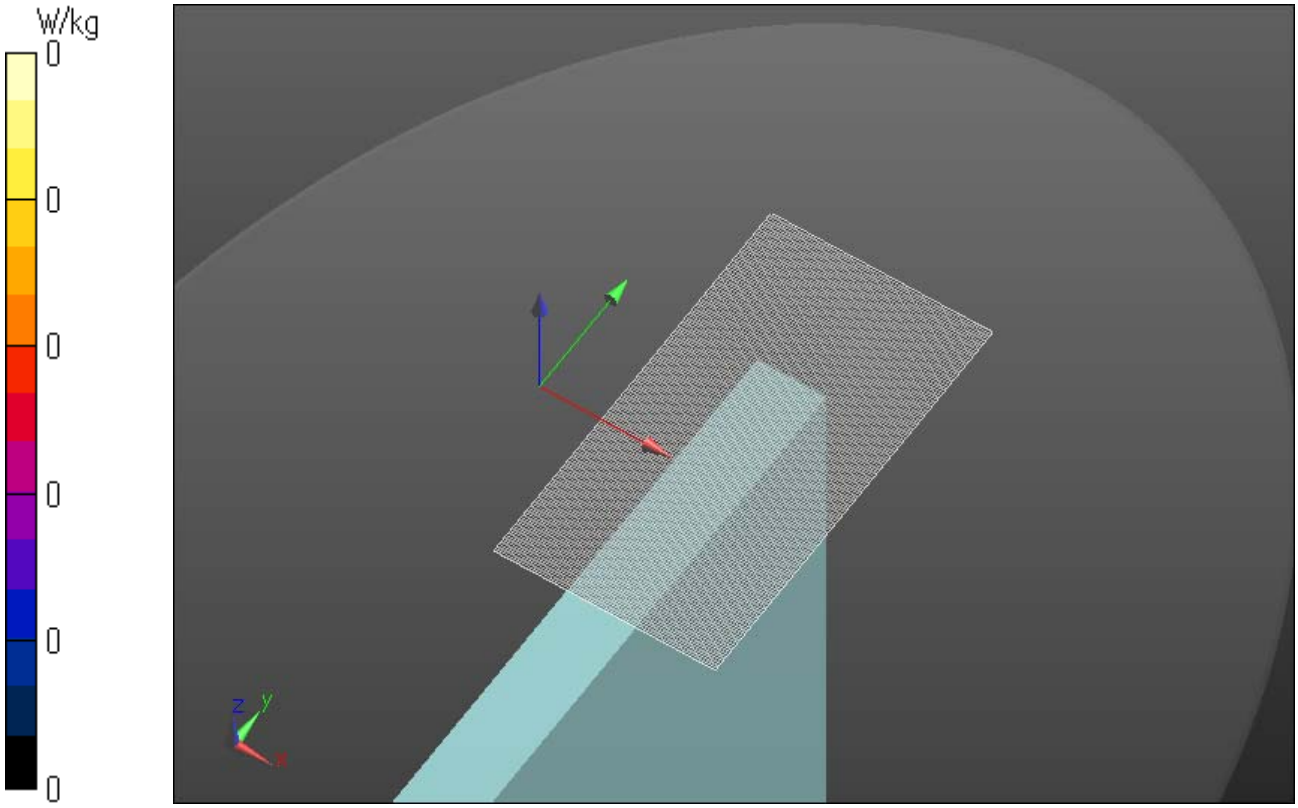
Date: 2017/01/13
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



WLAN 5.8G Ant Main 11n40 HT0 5795MHz Edge3 0mm
Communication System: UID 0, WLAN (0); Communication System Band: 11ac80; Frequency: 5795 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5795 MHz; σ = 6.183 S/m; ε_r = 46.904; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3825; ConvF(4.2, 4.2, 4.2); Calibrated: 2016/12/12;
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn509; Calibrated: 2016/07/07
Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1045
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (81x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0 W/kg

Date: 2017/01/13
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



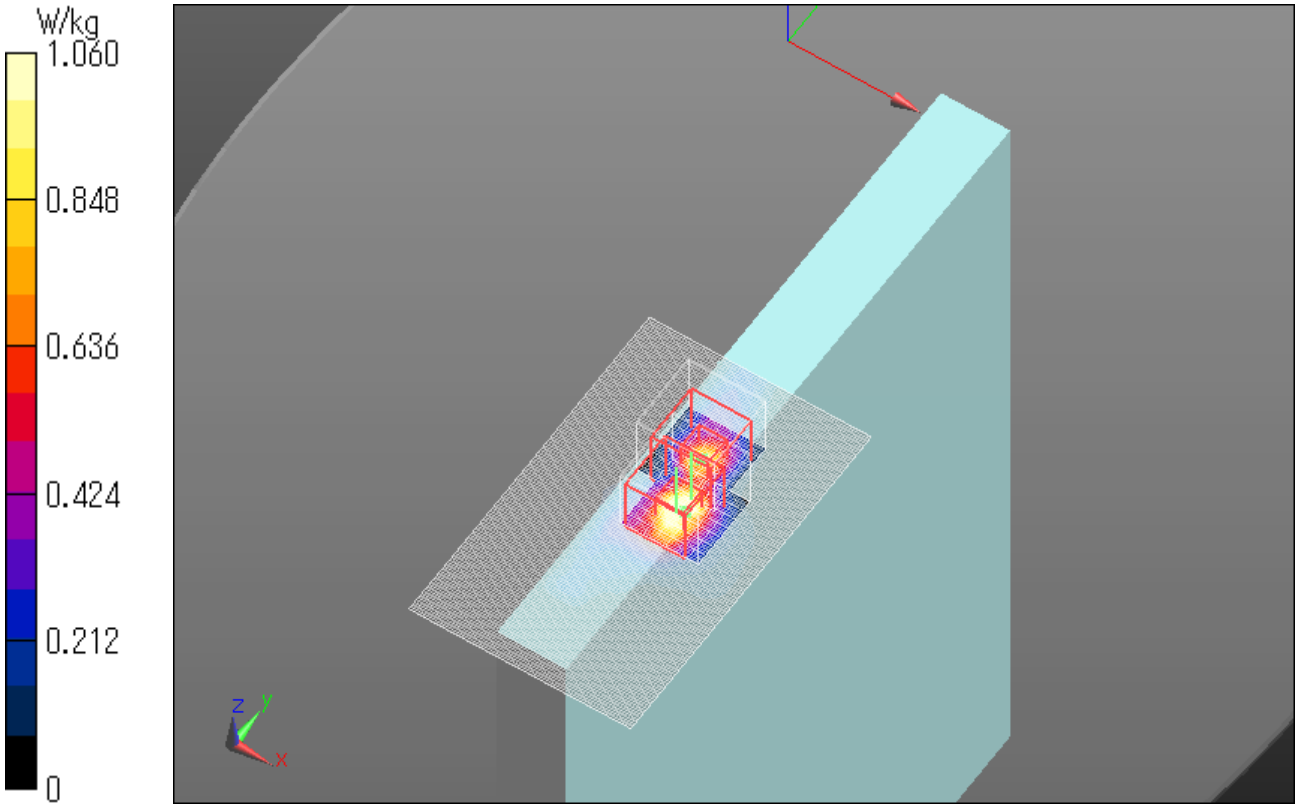
WLAN 5.8G Ant Main 11n40 HT0 5795MHz Edge4 0mm
Communication System: UID 0, WLAN (0); Communication System Band: 11ac80; Frequency: 5795 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5795 MHz; σ = 6.183 S/m; ε_r = 46.904; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3825; ConvF(4.2, 4.2, 4.2); Calibrated: 2016/12/12;
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn509; Calibrated: 2016/07/07
Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1045
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (81x131x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.17 W/kg

Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 14.85 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 2.28 W/kg
SAR(1 g) = 0.497 W/kg; SAR(10 g) = 0.147 W/kg
Maximum value of SAR (measured) = 1.38 W/kg

Zoom Scan 2(4x4x1.4mm, graded), dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 14.85 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.72 W/kg
SAR(1 g) = 0.347 W/kg; SAR(10 g) = 0.105 W/kg
Maximum value of SAR (measured) = 1.06 W/kg

Date: 2017/01/13
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.

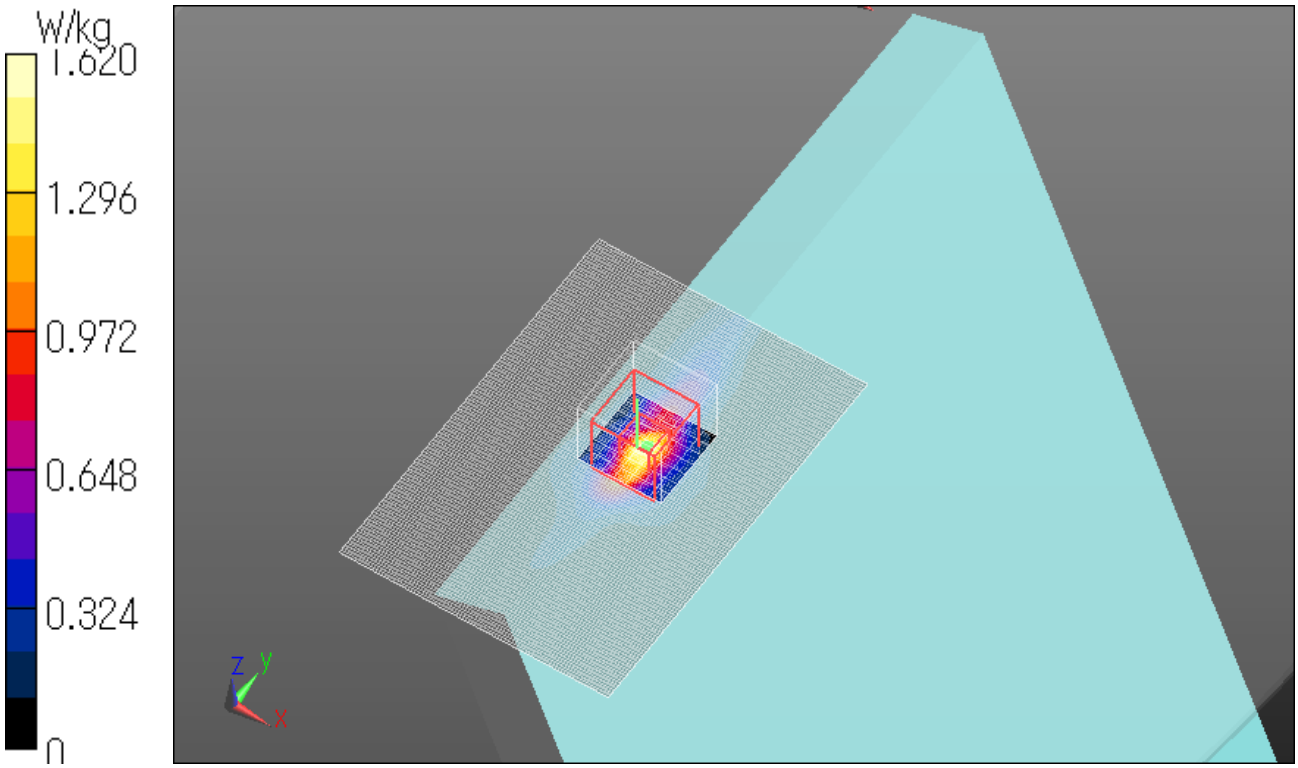


WLAN 5.8G Ant Main 11n40 HT0 5795MHz Edge4 tilt 0mm
Communication System: UID 0, WLAN (0); Communication System Band: 11n40/ac40; Frequency: 5795 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5795 MHz; σ = 6.203 S/m; ε_r = 46.509; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3825; ConvF(4.2, 4.2, 4.2); Calibrated: 2016/12/12;
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn509; Calibrated: 2016/07/07
Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1045
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (91x131x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.56 W/kg

Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 19.29 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 2.88 W/kg
SAR(1 g) = 0.610 W/kg; SAR(10 g) = 0.173 W/kg
Maximum value of SAR (measured) = 1.62 W/kg

Date: 2017/02/13
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.

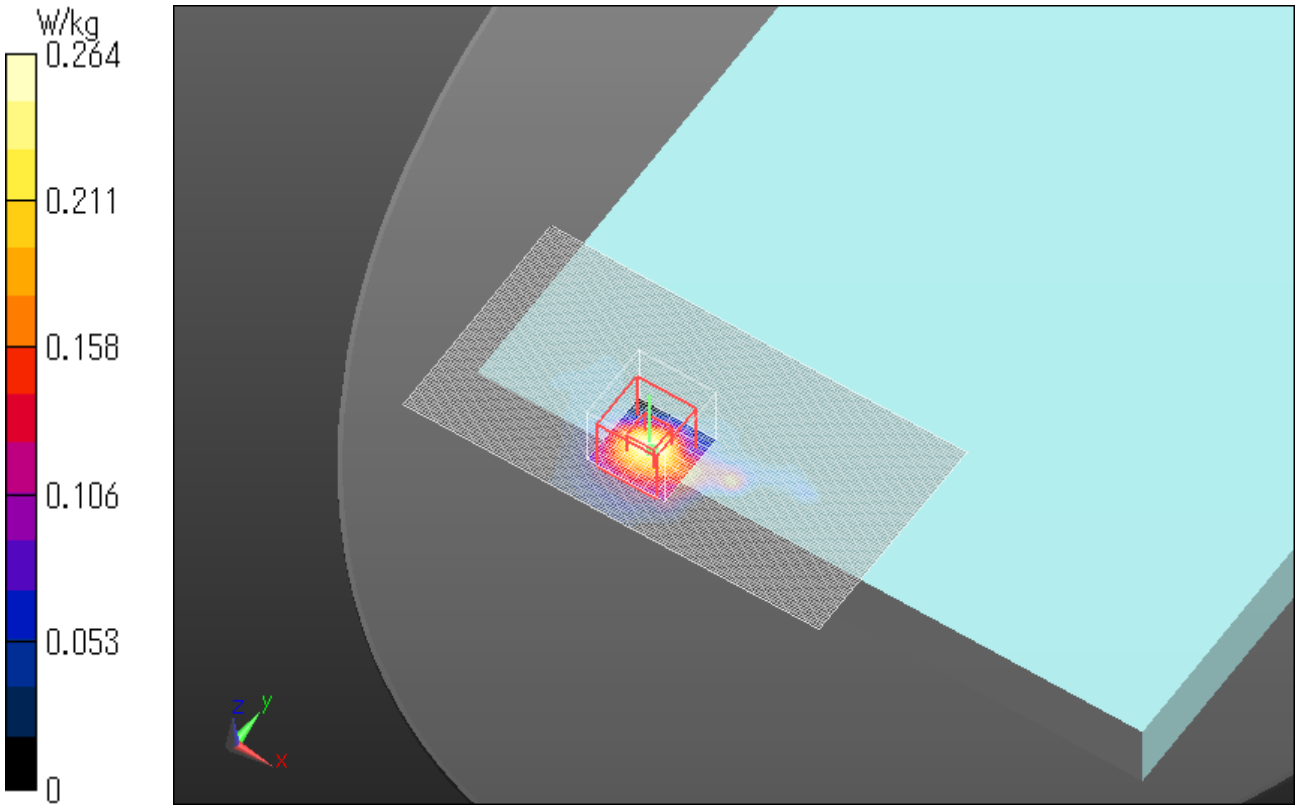


WLAN 5.8G Ant Main 11n40 HT0 5795MHz Rear 0mm
Communication System: UID 0, WLAN (0); Communication System Band: 11n40; Frequency: 5795 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5795 MHz; σ = 6.183 S/m; ε_r = 46.904; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3825; ConvF(4.2, 4.2, 4.2); Calibrated: 2016/12/12;
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn509; Calibrated: 2016/07/07
Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1045
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (151x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.292 W/kg

Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 7.561 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.430 W/kg
SAR(1 g) = 0.100 W/kg; SAR(10 g) = 0.034 W/kg
Maximum value of SAR (measured) = 0.264 W/kg

Date: 2017/01/13
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.

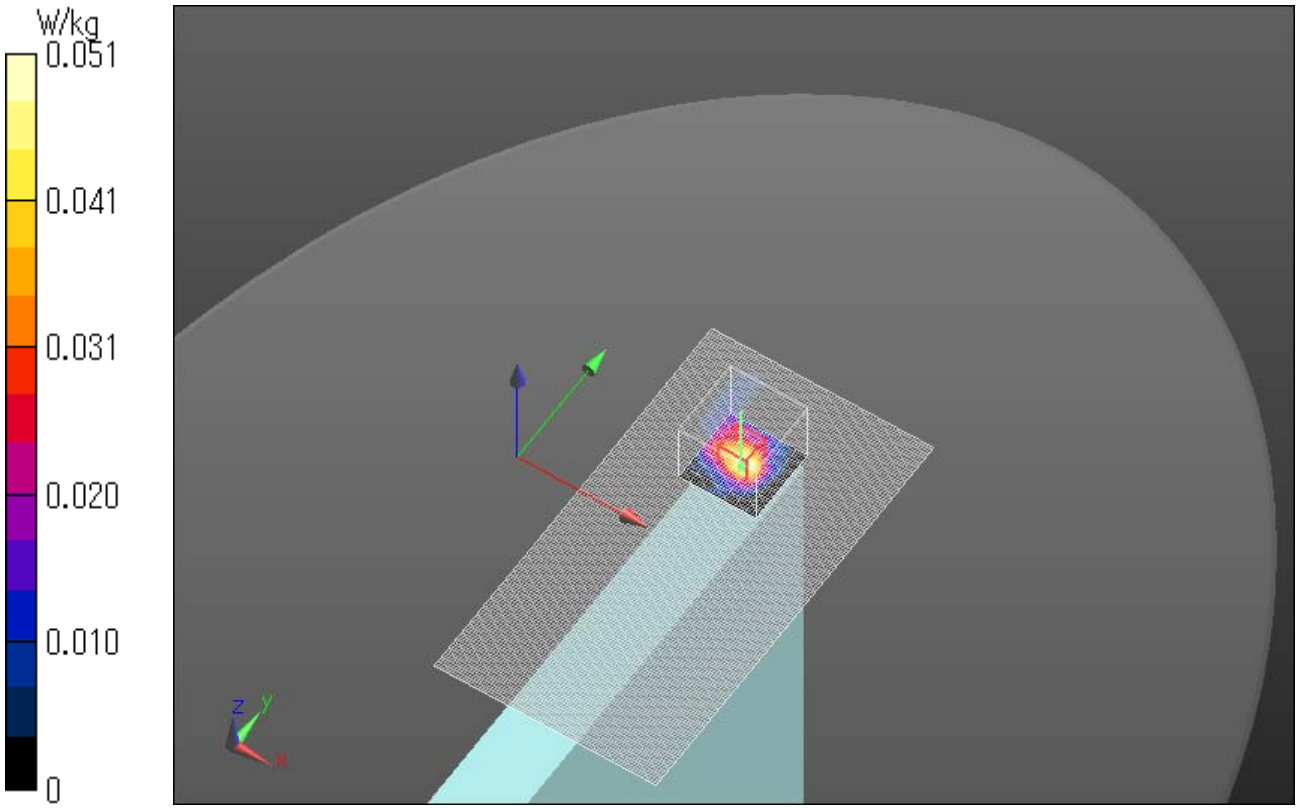


WLAN 5.8G Ant Aux 11n40 HT0 5795MHz Edge1 0mm
Communication System: UID 0, WLAN 11a/b/g/n (0); Communication System Band: 11a/n (W58); Frequency: 5795 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5795 MHz; σ = 6.183 S/m; ε_r = 46.904; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3825; ConvF(4.2, 4.2, 4.2); Calibrated: 2016/12/12;
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn509; Calibrated: 2016/07/07
Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1045
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (81x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0487 W/kg

Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 3.35 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.289 W/kg
SAR(1 g) = 0.017 W/kg
Maximum value of SAR (measured) = 0.0510 W/kg

Date: 2017/01/13
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.

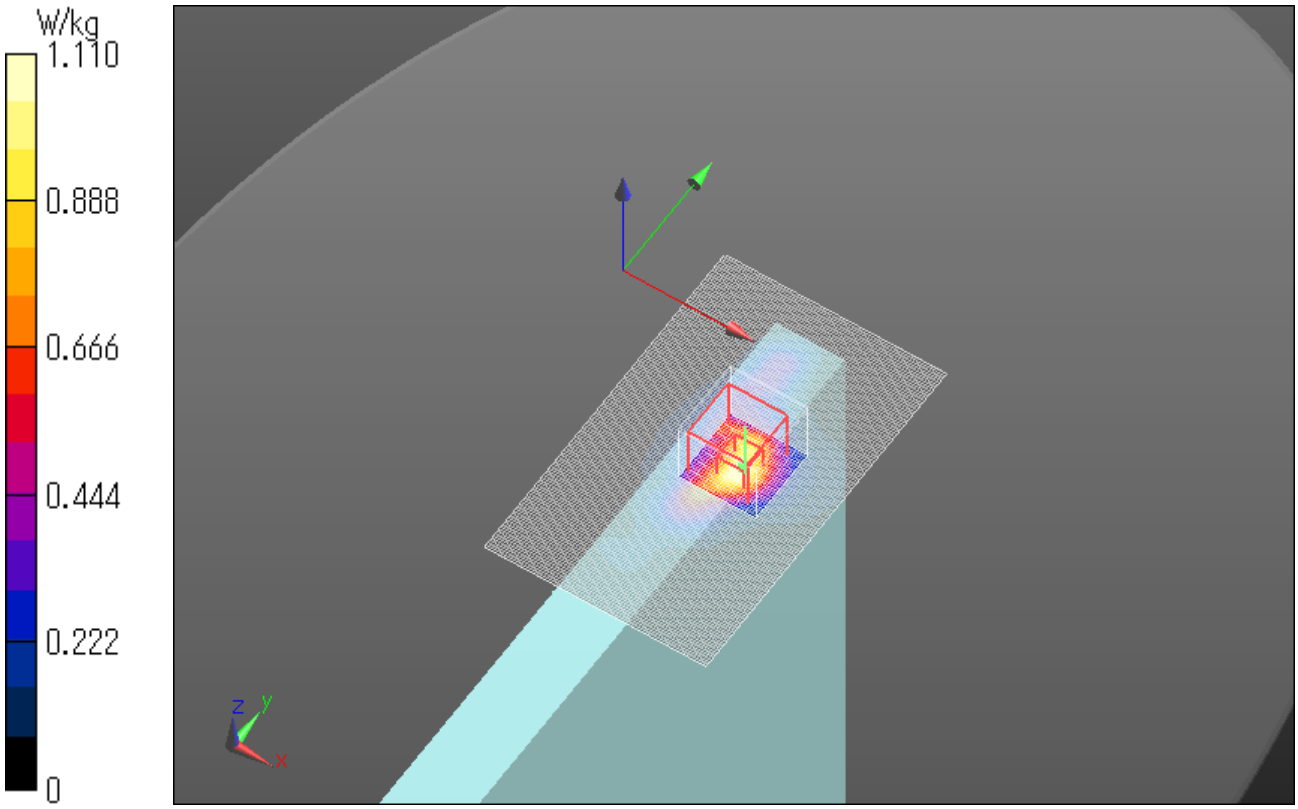


WLAN 5.8G Ant Aux 11n40 HT0 5795MHz Edge2 0mm
Communication System: UID 0, WLAN 11a/b/g/n (0); Communication System Band: 11a/n (W58); Frequency: 5795 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5795 MHz; σ = 6.183 S/m; ε_r = 46.904; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3825; ConvF(4.2, 4.2, 4.2); Calibrated: 2016/12/12;
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn509; Calibrated: 2016/07/07
Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1045
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (81x131x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.09 W/kg

Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 15.34 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.93 W/kg
SAR(1 g) = 0.444 W/kg; SAR(10 g) = 0.155 W/kg
Maximum value of SAR (measured) = 1.11 W/kg

Date: 2017/01/13
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.

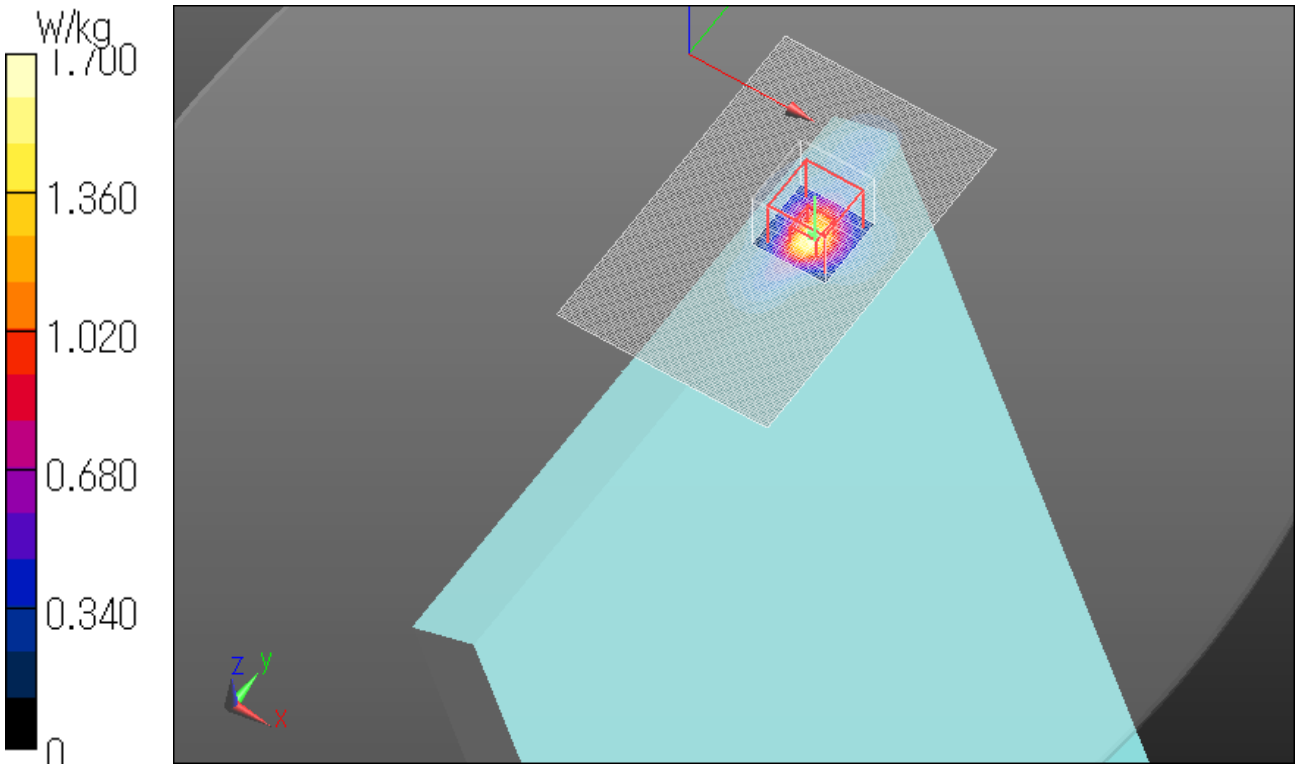


WLAN 5.8G Ant Aux 11n40 HT0 5795MHz Edge2 tilt 0mm
Communication System: UID 0, WLAN (0); Communication System Band: 11n40; Frequency: 5795 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5795 MHz; σ = 6.203 S/m; ε_r = 46.509; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3825; ConvF(4.2, 4.2, 4.2); Calibrated: 2016/12/12;
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn509; Calibrated: 2016/07/07
Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1045
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (81x131x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.67 W/kg

Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 18.93 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 2.99 W/kg
SAR(1 g) = 0.653 W/kg; SAR(10 g) = 0.196 W/kg
Maximum value of SAR (measured) = 1.70 W/kg

Date: 2017/02/13
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.

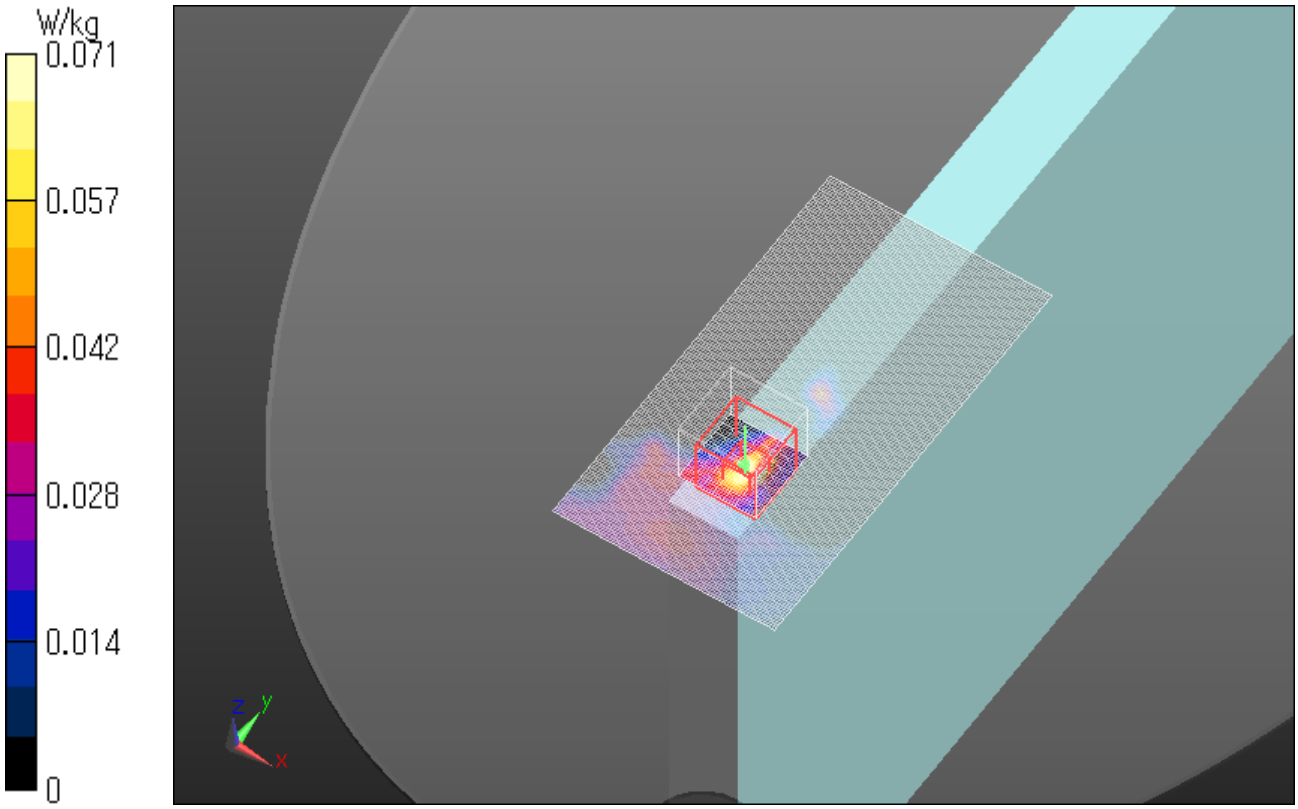


WLAN 5.8G Ant Aux 11n40 HT0 5795MHz Edge3 0mm
Communication System: UID 0, WLAN 11a/b/g/n (0); Communication System Band: 11a/n (W58); Frequency: 5795 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5795 MHz; σ = 6.183 S/m; ε_r = 46.904; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3825; ConvF(4.2, 4.2, 4.2); Calibrated: 2016/12/12;
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn509; Calibrated: 2016/07/07
Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1045
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (81x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0894 W/kg

Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 3.482 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.274 W/kg
SAR(1 g) = 0.022 W/kg; SAR(10 g) = 0.00662 W/kg
Maximum value of SAR (measured) = 0.0707 W/kg

Date: 2017/01/13
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



WLAN 5.8G Ant Aux 11n40 HT0 5795MHz Rear 0mm
Communication System: UID 0, WLAN 11a/b/g/n (0); Communication System Band: 11a/n (W58); Frequency: 5795 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5795 MHz; σ = 6.183 S/m; ε_r = 46.904; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3825; ConvF(4.2, 4.2, 4.2); Calibrated: 2016/12/12;
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn509; Calibrated: 2016/07/07
Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1045
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (151x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.244 W/kg

Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 7.554 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.425 W/kg
SAR(1 g) = 0.101 W/kg; SAR(10 g) = 0.036 W/kg
Maximum value of SAR (measured) = 0.260 W/kg

Date: 2017/01/13
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.