

15.5 SAR test plots for WLAN 5.8GHz band

WLAN 5.8G Main Ant Edge1 11n40 HT0 0mm 5795MHz

Communication System: UID 0, WLAN (0); Communication System Band: 11n40/ac40; Frequency: 5795 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5795$ MHz; $\sigma = 6.105$ S/m; $\epsilon_r = 47.62$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(4.32, 4.32, 4.32); Calibrated: 2016/12/14;

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1372; Calibrated: 2017/06/13

Phantom: ELI v5.0 TP1207; Type: QDOVA002AA; Serial: TP:1207

Measurement SW: DASYS2, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (71x131x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.169 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 4.939 V/m; Power Drift = 0.14 dB

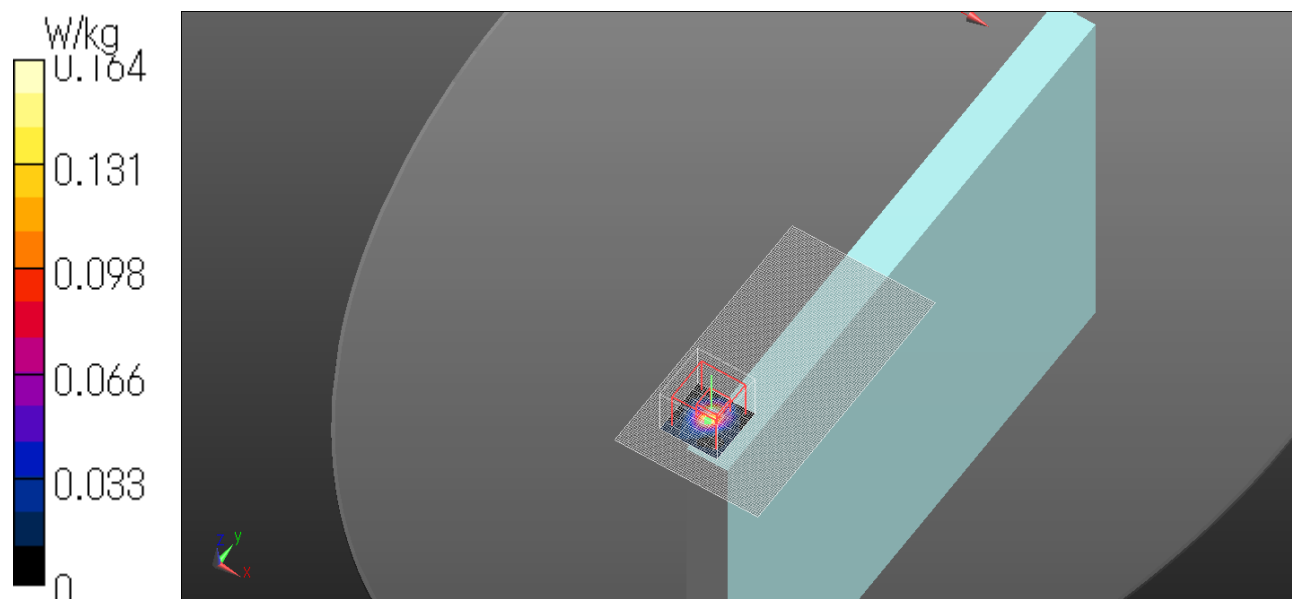
Peak SAR (extrapolated) = 0.338 W/kg

SAR(1 g) = 0.047 W/kg; SAR(10 g) = 0.00832 W/kg

Maximum value of SAR (measured) = 0.164 W/kg

Date: 2017/09/14

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



WLAN 5.8G Main Ant Edge3 11n40 HT0 0mm 5795MHz

Communication System: UID 0, WLAN (0); Communication System Band: 11n40/ac40; Frequency: 5795 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5795$ MHz; $\sigma = 6.105$ S/m; $\epsilon_r = 47.62$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(4.32, 4.32, 4.32); Calibrated: 2016/12/14;

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1372; Calibrated: 2017/06/13

Phantom: ELI v5.0 TP1207; Type: QDOVA002AA; Serial: TP:1207

Measurement SW: DASYS2, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (71x131x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.0396 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 2.782 V/m; Power Drift = 0.19 dB

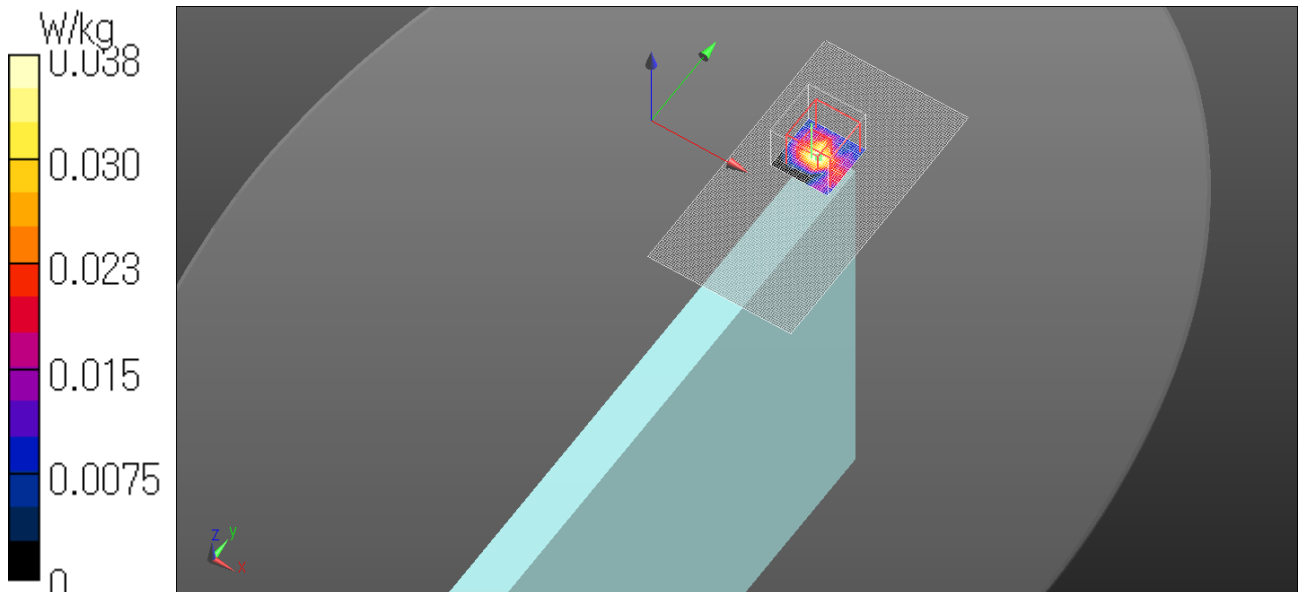
Peak SAR (extrapolated) = 0.234 W/kg

SAR(1 g) = 0.012 W/kg; SAR(10 g) = 0.00214 W/kg

Maximum value of SAR (measured) = 0.0375 W/kg

Date: 2017/09/14

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



WLAN 5.8G Main Ant Edge4 11n40 HT0 0mm 5795MHz

Communication System: UID 0, WLAN (0); Communication System Band: 11n40/ac40; Frequency: 5795 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5795$ MHz; $\sigma = 6.105$ S/m; $\epsilon_r = 47.62$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(4.32, 4.32, 4.32); Calibrated: 2016/12/14;

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1372; Calibrated: 2017/06/13

Phantom: ELI v5.0 TP1207; Type: QDOVA002AA; Serial: TP:1207

Measurement SW: DASYS2, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (71x131x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.65 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 18.38 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 3.09 W/kg

SAR(1 g) = 0.664 W/kg; SAR(10 g) = 0.210 W/kg

Maximum value of SAR (measured) = 1.73 W/kg

Zoom Scan 2 (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 18.38 V/m; Power Drift = -0.14 dB

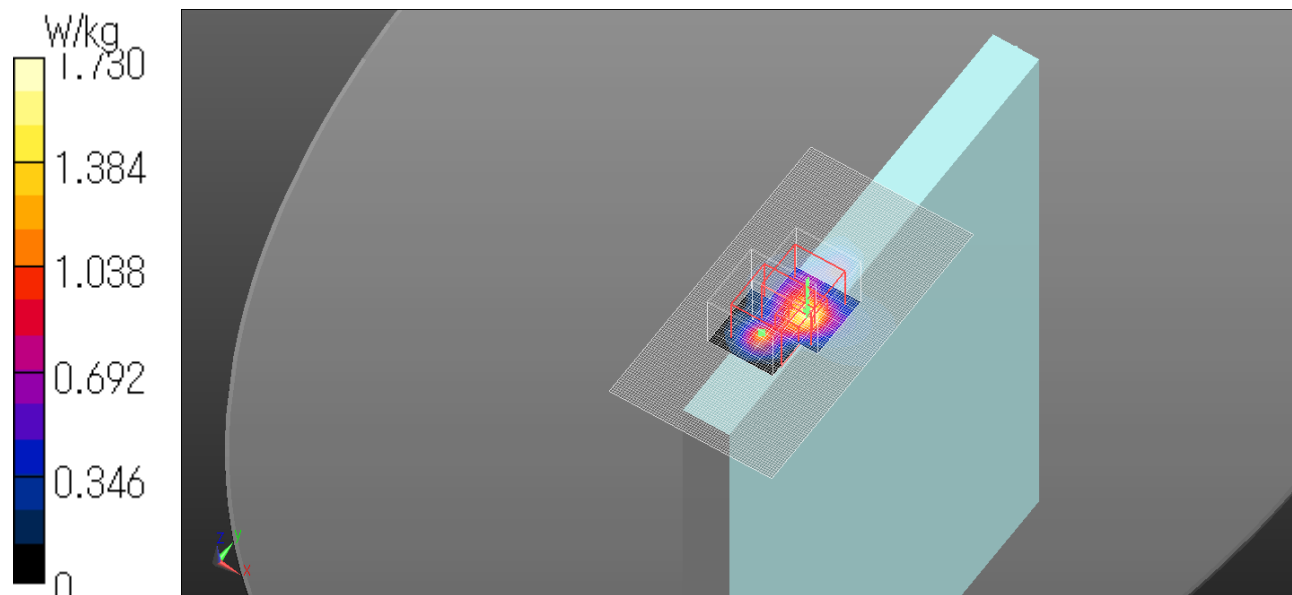
Peak SAR (extrapolated) = 3.39 W/kg

SAR(1 g) = 0.545 W/kg; SAR(10 g) = 0.152 W/kg

Maximum value of SAR (measured) = 1.72 W/kg

Date: 2017/09/14

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



WLAN 5.8G Main Ant Rear 11n40 HT0 0mm 5795MHz

Communication System: UID 0, WLAN (0); Communication System Band: 11n40/ac40; Frequency: 5795 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5795$ MHz; $\sigma = 6.105$ S/m; $\epsilon_r = 47.62$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(4.32, 4.32, 4.32); Calibrated: 2016/12/14;

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1372; Calibrated: 2017/06/13

Phantom: ELI v5.0 TP1207; Type: QDOVA002AA; Serial: TP:1207

Measurement SW: DASYS2, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (131x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.693 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 12.62 V/m; Power Drift = -0.08 dB

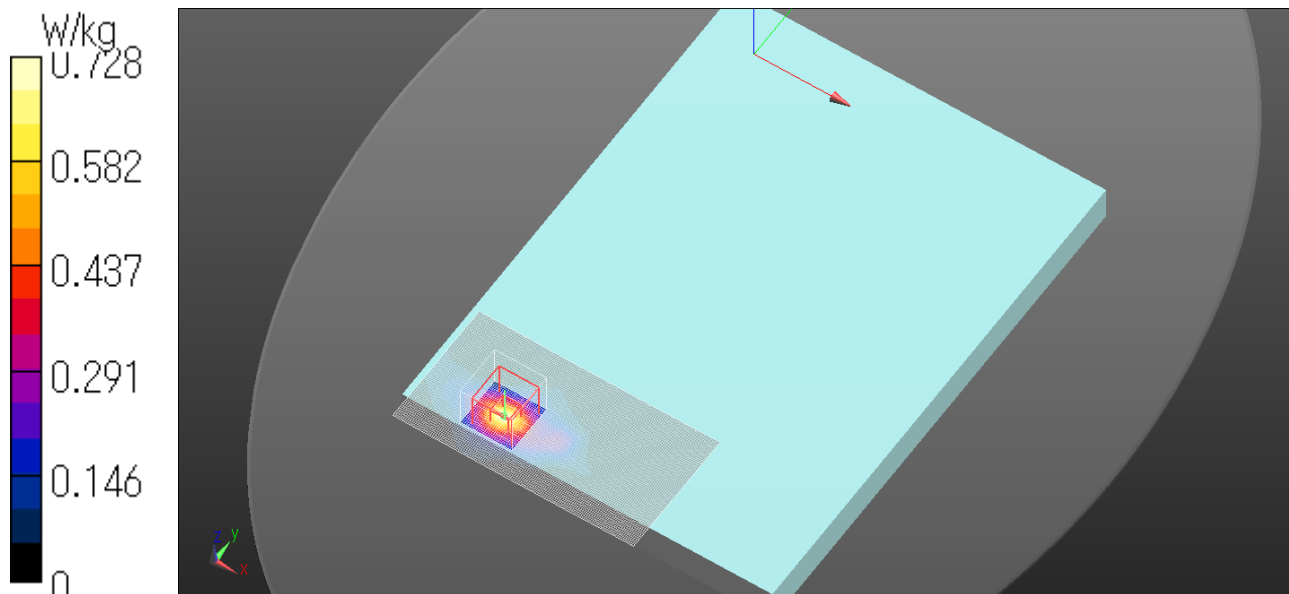
Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.291 W/kg; SAR(10 g) = 0.093 W/kg

Maximum value of SAR (measured) = 0.728 W/kg

Date: 2017/09/14

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



WLAN 5.8G Aux Ant Edge1 11n40 HT0 0mm 5755MHz

Communication System: UID 0, WLAN (0); Communication System Band: 11n40/ac40; Frequency: 5755 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5755 \text{ MHz}$; $\sigma = 6.064 \text{ S/m}$; $\epsilon_r = 47.544$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(4.32, 4.32, 4.32); Calibrated: 2016/12/14;

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1372; Calibrated: 2017/06/13

Phantom: ELI v5.0 TP1207; Type: QDOVA002AA; Serial: TP:1207

Measurement SW: DASYS2, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (91x151x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0181 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 1.750 V/m; Power Drift = 0.16 dB

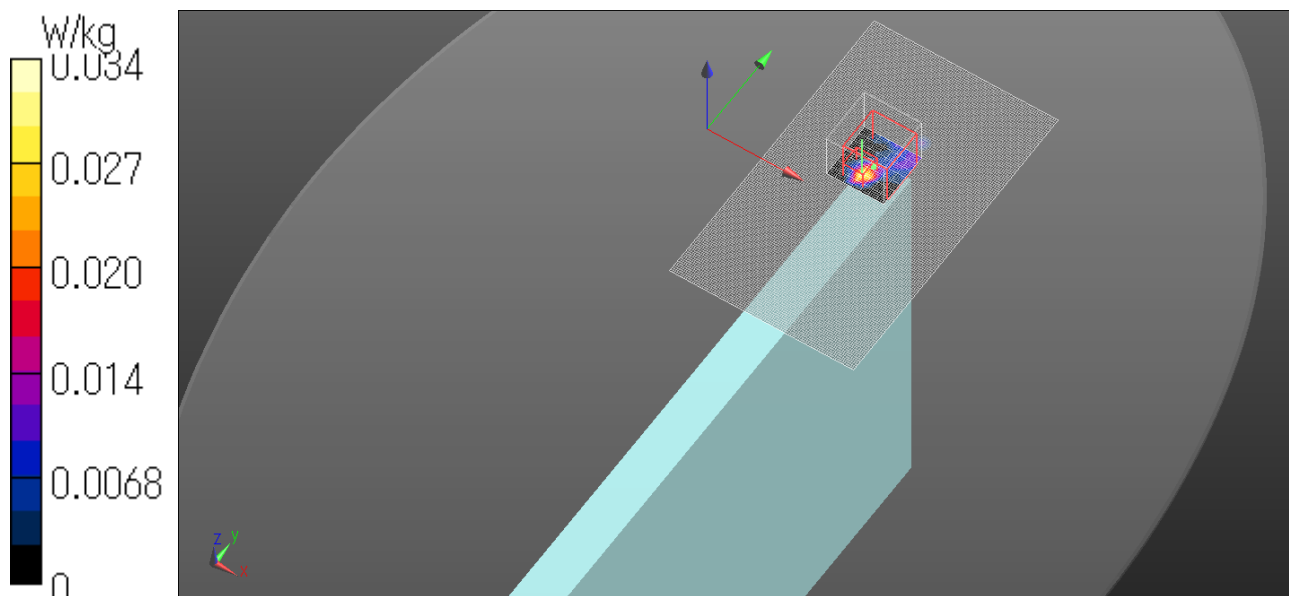
Peak SAR (extrapolated) = 0.149 W/kg

SAR(1 g) = 0.00316 W/kg; SAR(10 g) = 0.000382 W/kg

Maximum value of SAR (measured) = 0.0340 W/kg

Date: 2017/09/14

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



WLAN 5.8G Aux Ant Edge2 11n40 HT0 0mm 5755MHz

Communication System: UID 0, WLAN (0); Communication System Band: 11n40/ac40; Frequency: 5755 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5755$ MHz; $\sigma = 6.064$ S/m; $\epsilon_r = 47.544$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(4.32, 4.32, 4.32); Calibrated: 2016/12/14;

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1372; Calibrated: 2017/06/13

Phantom: ELI v5.0 TP1207; Type: QDOVA002AA; Serial: TP:1207

Measurement SW: DASYS2, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (71x131x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.38 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 16.95 V/m; Power Drift = -0.12 dB

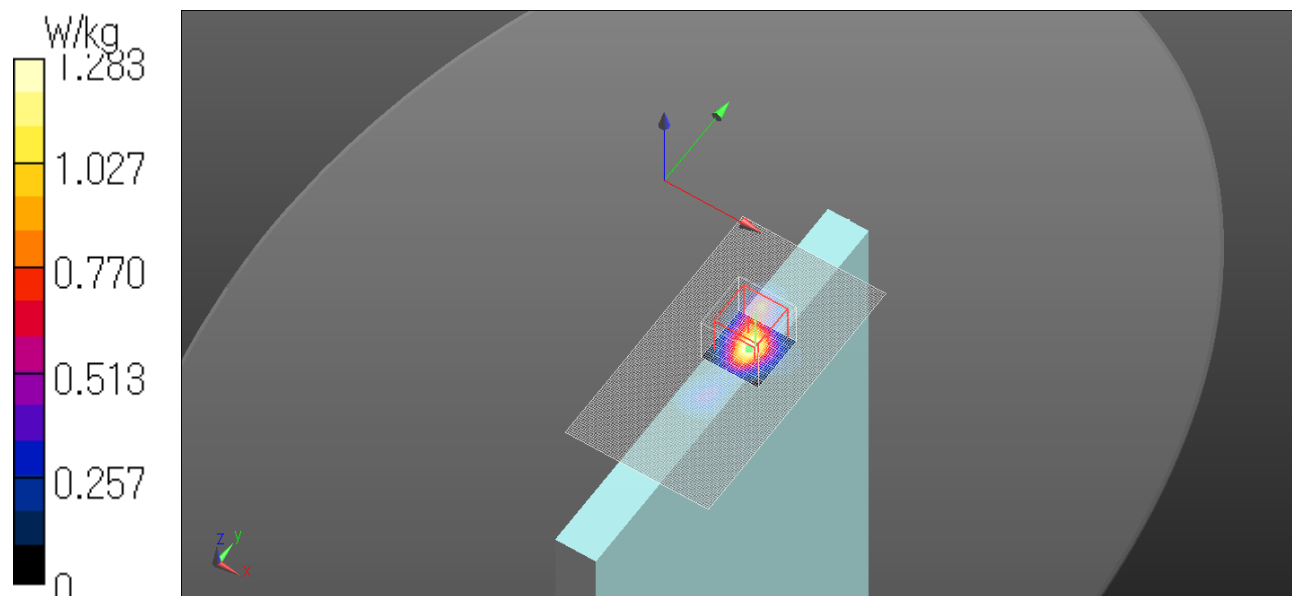
Peak SAR (extrapolated) = 2.34 W/kg

SAR(1 g) = 0.521 W/kg; SAR(10 g) = 0.155 W/kg

Maximum value of SAR (measured) = 1.28 W/kg

Date: 2017/09/14

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



WLAN 5.8G Aux Ant Edge3 11n40 HT0 0mm 5755MHz

Communication System: UID 0, WLAN (0); Communication System Band: 11n40/ac40; Frequency: 5755 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5755 \text{ MHz}$; $\sigma = 6.064 \text{ S/m}$; $\epsilon_r = 47.544$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(4.32, 4.32, 4.32); Calibrated: 2016/12/14;

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1372; Calibrated: 2017/06/13

Phantom: ELI v5.0 TP1207; Type: QDOVA002AA; Serial: TP:1207

Measurement SW: DASYS2, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (71x131x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.179 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 4.269 V/m ; Power Drift = 0.14 dB

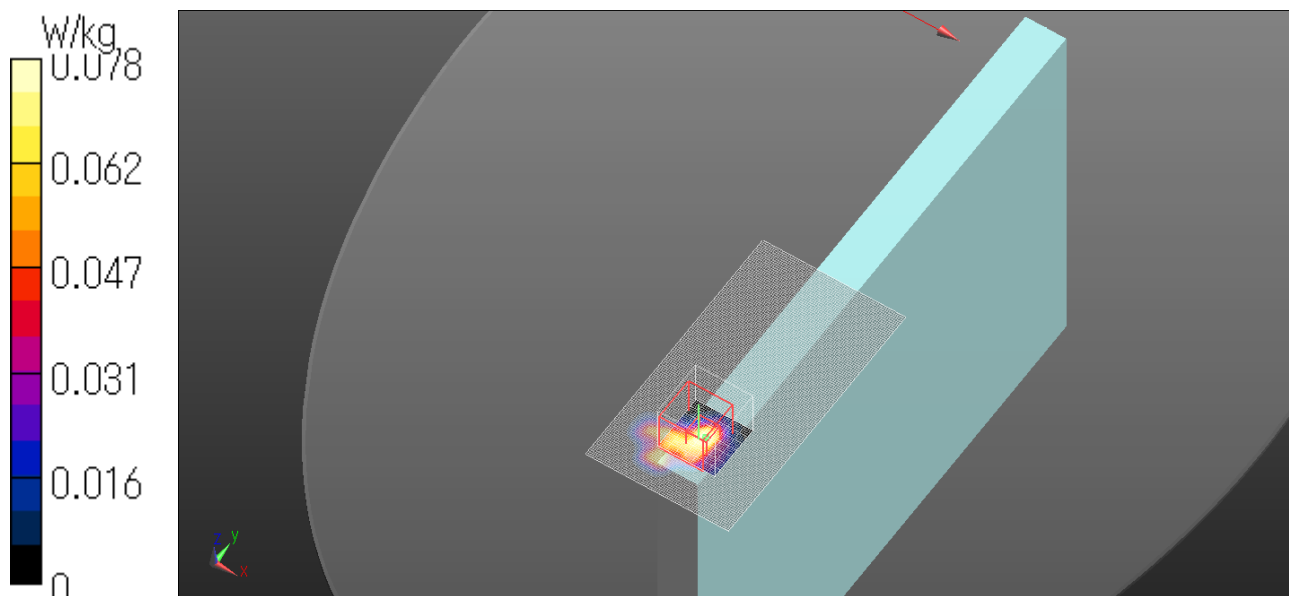
Peak SAR (extrapolated) = 0.316 W/kg

SAR(1 g) = 0.024 W/kg ; SAR(10 g) = 0.00815 W/kg

Maximum value of SAR (measured) = 0.0779 W/kg

Date: 2017/09/14

Ambient Temp. : 24.0 degree.C . Liquid Temp.; 23.5 degree.C .



WLAN 5.8G Aux Ant Rear 11n40 HT0 0mm 5755MHz

Communication System: UID 0, WLAN (0); Communication System Band: 11n40/ac40; Frequency: 5755 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5755$ MHz; $\sigma = 6.064$ S/m; $\epsilon_r = 47.544$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(4.32, 4.32, 4.32); Calibrated: 2016/12/14;

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1372; Calibrated: 2017/06/13

Phantom: ELI v5.0 TP1207; Type: QDOVA002AA; Serial: TP:1207

Measurement SW: DASYS2, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (131x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.269 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.508 V/m; Power Drift = -0.17 dB

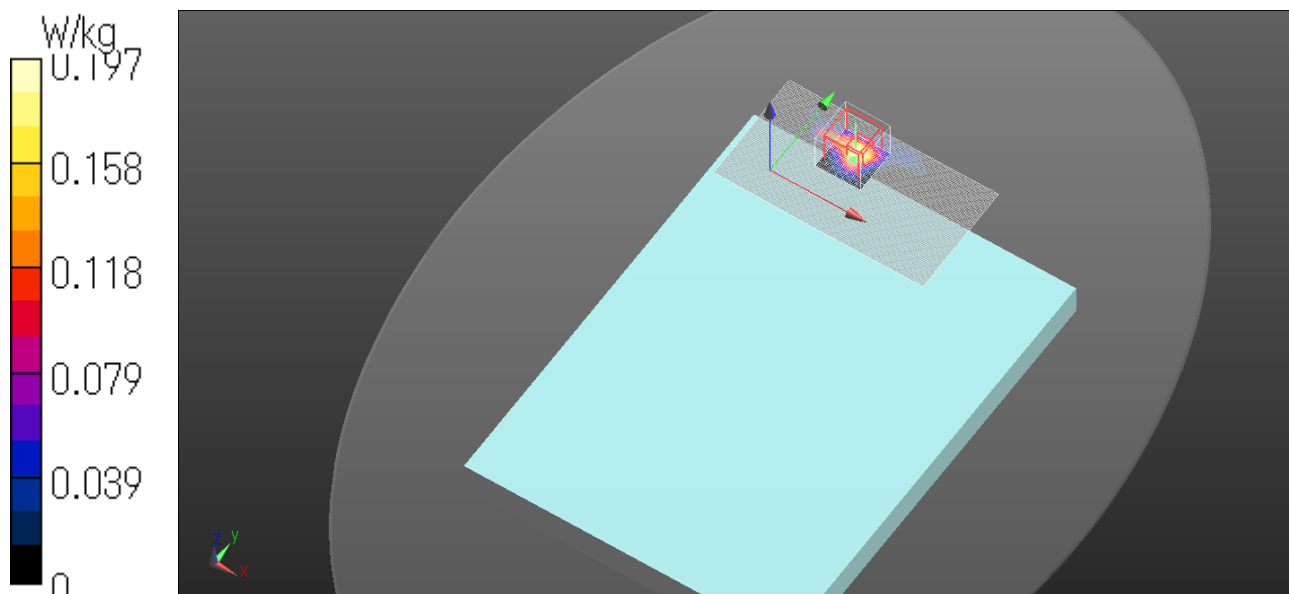
Peak SAR (extrapolated) = 0.294 W/kg

SAR(1 g) = 0.068 W/kg; SAR(10 g) = 0.019 W/kg

Maximum value of SAR (measured) = 0.197 W/kg

Date: 2017/09/14

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



WLAN 5.8G Aux Ant Edge2 with Stylus pen 11n40 HT0 0mm 5755MHz

Communication System: UID 0, WLAN (0); Communication System Band: 11n40/ac40; Frequency: 5755 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5755$ MHz; $\sigma = 6.064$ S/m; $\epsilon_r = 47.544$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(4.32, 4.32, 4.32); Calibrated: 2016/12/14;

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1372; Calibrated: 2017/06/13

Phantom: ELI v5.0 TP1207; Type: QDOVA002AA; Serial: TP:1207

Measurement SW: DASYS2, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (71x131x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.575 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 10.32 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.044 W/kg

Maximum value of SAR (measured) = 0.507 W/kg

Date: 2017/09/14

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.

