

15.2 SAR test plots

WLAN 2.4G Main Ant Edge3 802.11b 0mm 2412MHz

Communication System: UID 0, WLAN (0); Communication System Band: 11b/g/n; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.914$ S/m; $\epsilon_r = 50.64$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(7.68, 7.68, 7.68); Calibrated: 2017/11/15;

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: ELI v5.0 TP1207 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:1207

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

WLAN/Edge3/Area Scan (91x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 2.29 W/kg

WLAN/Edge3/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 35.49 V/m; Power Drift = -0.15 dB

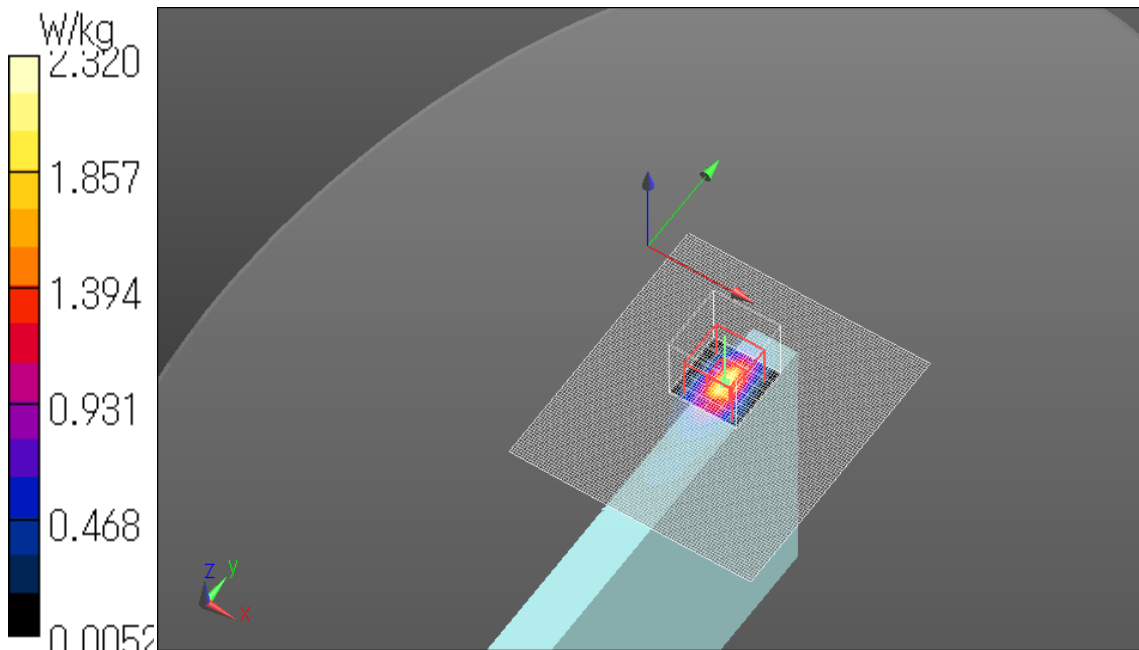
Peak SAR (extrapolated) = 3.37 W/kg

SAR(1 g) = 1.32 W/kg; SAR(10 g) = 0.490 W/kg

Maximum value of SAR (measured) = 2.32 W/kg

Date: 2018/01/11

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



WLAN 2.4G Aux Ant Edge1 802.11b 0mm 2437MHz

Communication System: UID 0, WLAN (0); Communication System Band: 11b/g/n; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.996$ S/m; $\epsilon_r = 51.109$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(7.68, 7.68, 7.68); Calibrated: 2017/11/15;

Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)),

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: ELI v5.0 TP1207 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:1207

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

WLAN/Edge1/Area Scan (71x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.50 W/kg

WLAN/Edge1/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.01 V/m; Power Drift = 0.21 dB

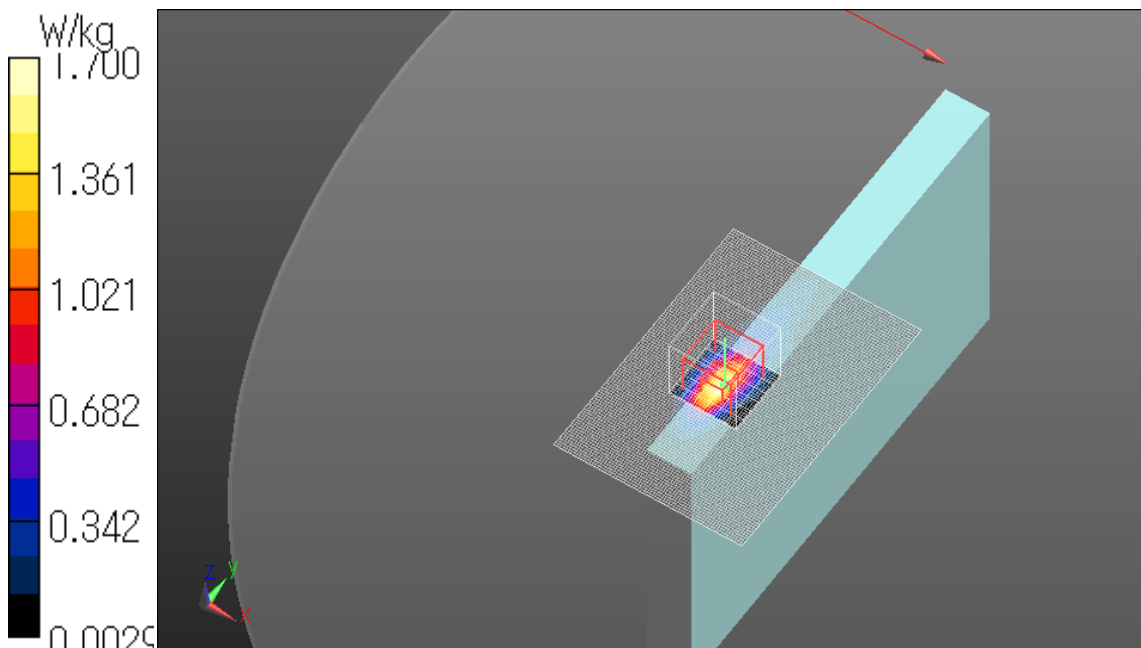
Peak SAR (extrapolated) = 2.48 W/kg

SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.403 W/kg

Maximum value of SAR (measured) = 1.70 W/kg

Date: 2018/01/12

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



WLAN 5.3G Main Ant Edge3 802.11n40 0mm 5310MHz

Communication System: UID 0, WLAN (0); Communication System Band: 11n40/ac40; Frequency: 5310 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5310$ MHz; $\sigma = 5.553$ S/m; $\epsilon_r = 47.851$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(5.05, 5.05, 5.05); Calibrated: 2017/11/15;

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Phantom: ELI v5.0 TP1207 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:1207

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

WLAN/Edge3/Area Scan (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.848 W/kg

WLAN/Edge3/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 12.47 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 2.83 W/kg
SAR(1 g) = 0.347 W/kg; SAR(10 g) = 0.098 W/kg

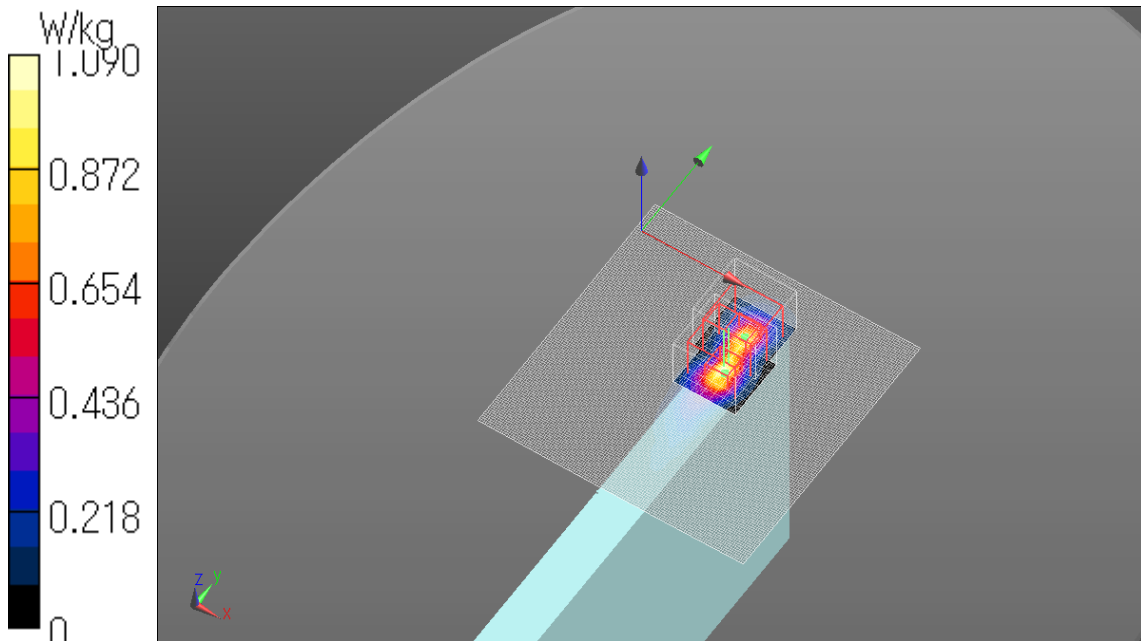
Maximum value of SAR (measured) = 1.07 W/kg

WLAN/Edge3/Zoom Scan 2 (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 12.47 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 2.19 W/kg
SAR(1 g) = 0.392 W/kg; SAR(10 g) = 0.112 W/kg

Maximum value of SAR (measured) = 1.09 W/kg

Date: 2018/01/16

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



WLAN 5.3G Aux Ant Edge1 802.11n40 0mm 5310MHz

Communication System: UID 0, WLAN (0); Communication System Band: 11n40/ac40; Frequency: 5310 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5310$ MHz; $\sigma = 5.553$ S/m; $\epsilon_r = 47.851$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(5.05, 5.05, 5.05); Calibrated: 2017/11/15;

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Phantom: ELI v5.0 TP1207 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:1207

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

WLAN/Edge1/Area Scan (91x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 2.32 W/kg

WLAN/Edge1/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 19.52 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 4.43 W/kg

SAR(1 g) = 0.839 W/kg; SAR(10 g) = 0.223 W/kg

Maximum value of SAR (measured) = 2.27 W/kg

WLAN/Edge1/Zoom Scan 2 (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 19.52 V/m; Power Drift = -0.14 dB

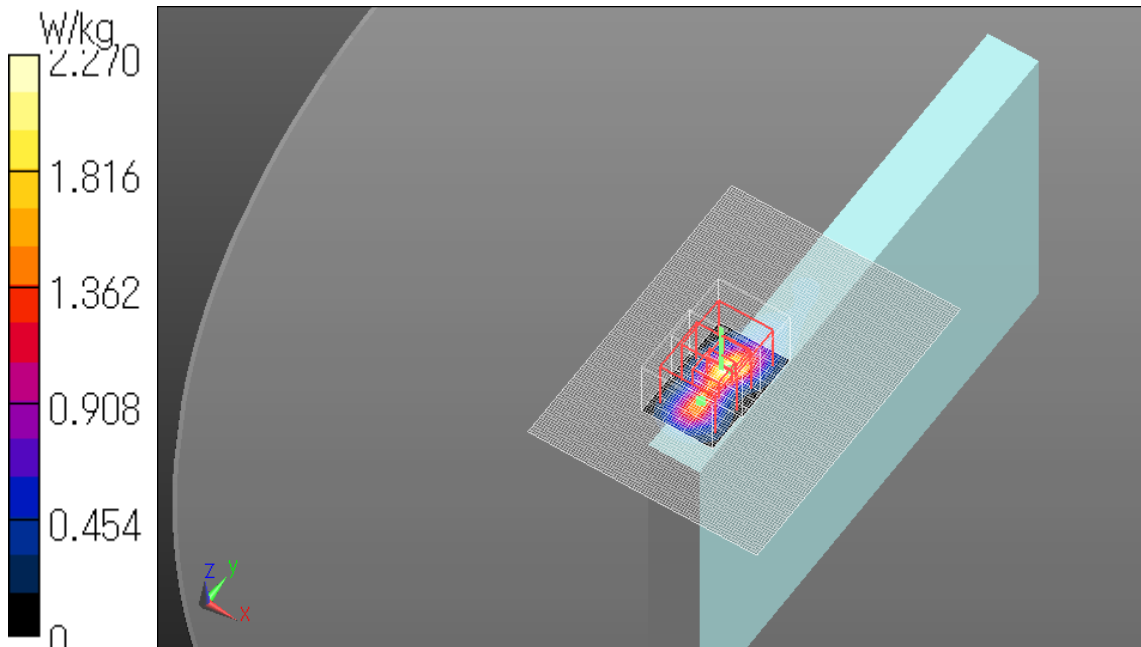
Peak SAR (extrapolated) = 4.04 W/kg

SAR(1 g) = 0.634 W/kg; SAR(10 g) = 0.189 W/kg

Maximum value of SAR (measured) = 2.09 W/kg

Date: 2018/01/16

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



WLAN 5.5G Main Ant Edge3 802.11ac80 0mm 5690MHz

Communication System: UID 0, WLAN (0); Communication System Band: 11ac80; Frequency: 5690 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5690$ MHz; $\sigma = 6.063$ S/m; $\epsilon_r = 47.276$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(4.46, 4.46, 4.46); Calibrated: 2017/11/15;

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Phantom: ELI v5.0 TP1207 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:1207

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

WLAN/Edge3/Area Scan (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.32 W/kg

WLAN/Edge3/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 13.45 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.85 W/kg

SAR(1 g) = 0.543 W/kg; SAR(10 g) = 0.144 W/kg

Maximum value of SAR (measured) = 1.45 W/kg

WLAN/Edge3/Zoom Scan 2 (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 13.45 V/m; Power Drift = 0.04 dB

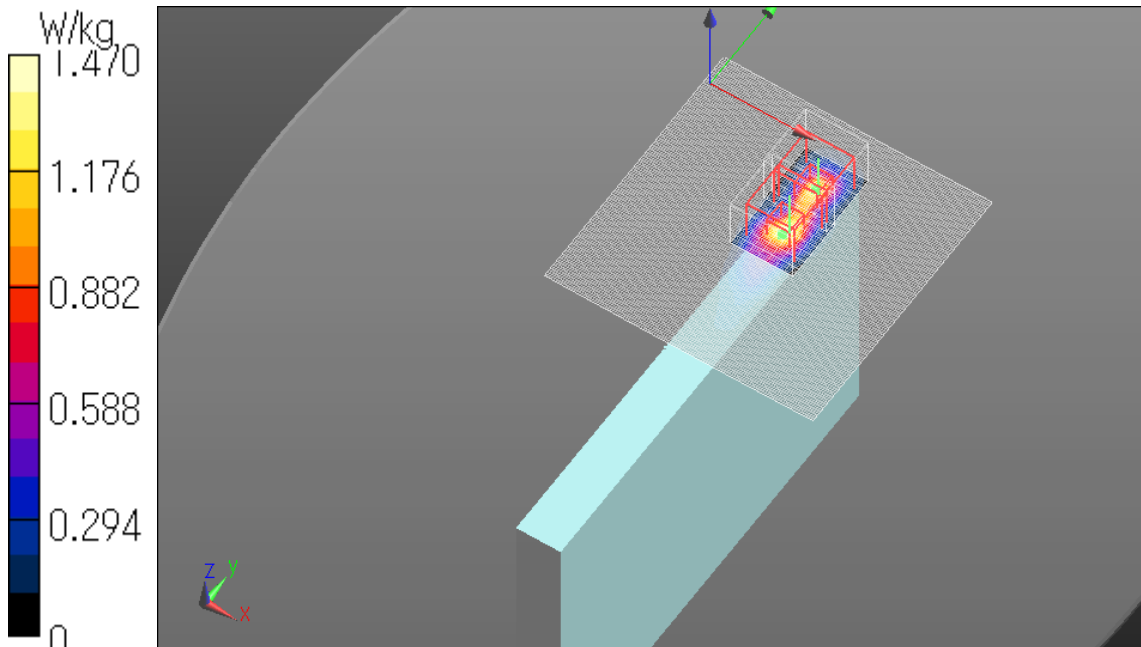
Peak SAR (extrapolated) = 2.81 W/kg

SAR(1 g) = 0.573 W/kg; SAR(10 g) = 0.166 W/kg

Maximum value of SAR (measured) = 1.47 W/kg

Date: 2018/01/17

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



WLAN 5.5G Aux Ant Edge1 802.11ac80 0mm 5690MHz

Communication System: UID 0, WLAN (0); Communication System Band: 11ac80; Frequency: 5690 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5690$ MHz; $\sigma = 6.063$ S/m; $\epsilon_r = 47.276$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(4.46, 4.46, 4.46); Calibrated: 2017/11/15;

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Phantom: ELI v5.0 TP1207 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:1207

Measurement SW: DASYS5, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

WLAN/Edge1/Area Scan (91x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.12 W/kg

WLAN/Edge1/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 13.60 V/m; Power Drift = -0.21 dB

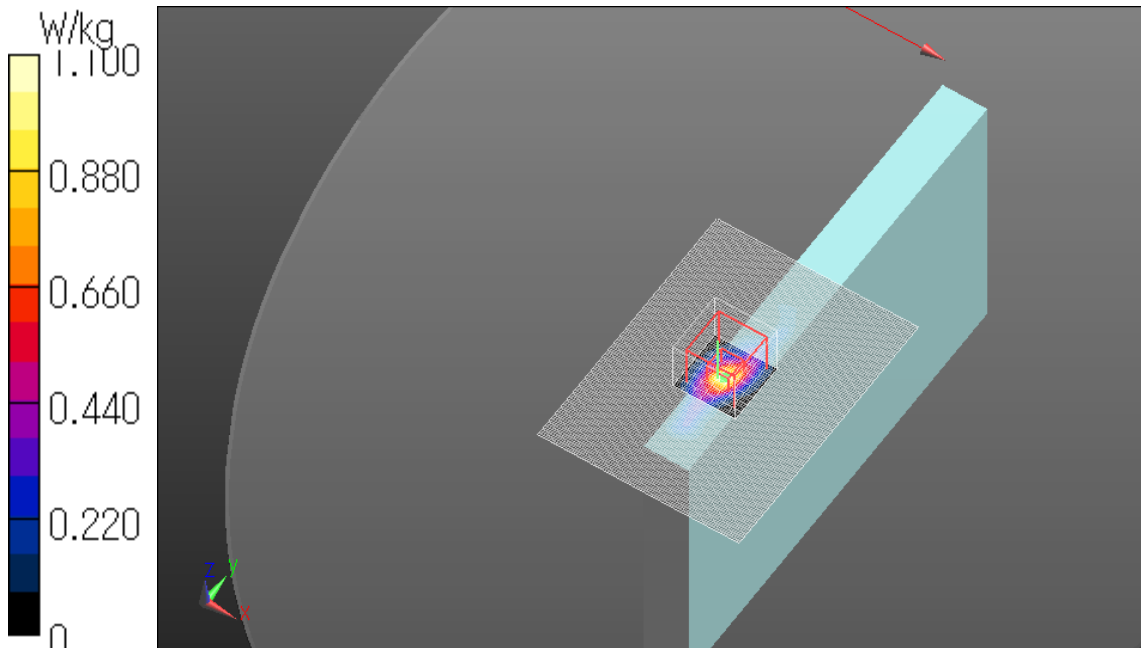
Peak SAR (extrapolated) = 2.10 W/kg

SAR(1 g) = 0.400 W/kg; SAR(10 g) = 0.096 W/kg

Maximum value of SAR (measured) = 1.10 W/kg

Date: 2018/01/17

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



WLAN 5.8G Main Ant Edge3 802.11ac80 0mm 5775MHz

Communication System: UID 0, WLAN (0); Communication System Band: 11ac80; Frequency: 5775 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5775$ MHz; $\sigma = 6.107$ S/m; $\epsilon_r = 46.162$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(4.46, 4.46, 4.46); Calibrated: 2017/11/15;

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Phantom: ELI v5.0 TP1207 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:1207

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

WLAN/Edge3/Area Scan (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.32 W/kg

WLAN/Edge3/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 14.71 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 3.13 W/kg

SAR(1 g) = 0.477 W/kg; SAR(10 g) = 0.127 W/kg

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

WLAN/Edge3/Zoom Scan 2 (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

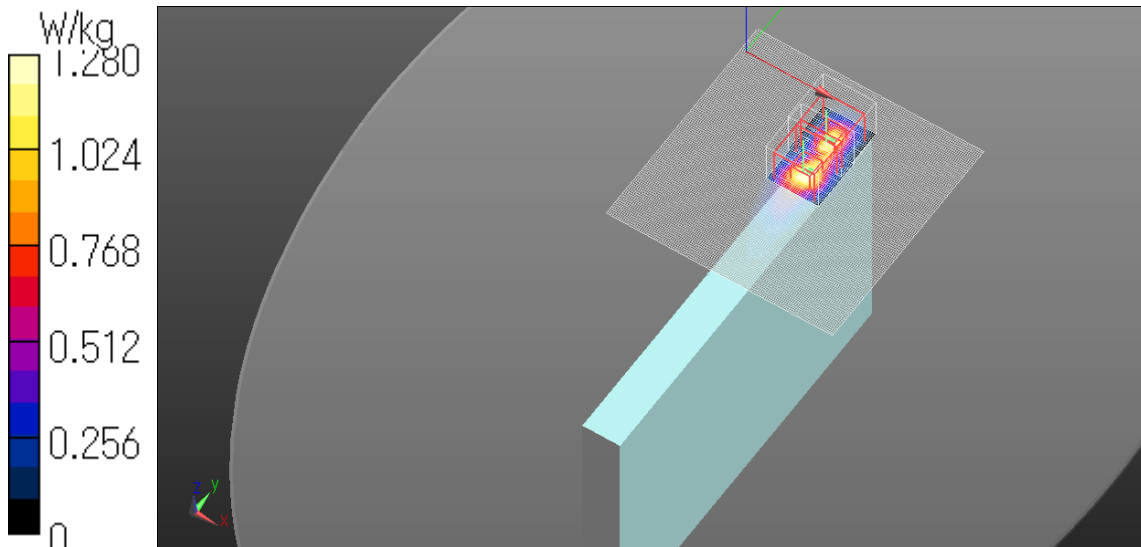
Reference Value = 14.71 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 3.26 W/kg

SAR(1 g) = 0.515 W/kg; SAR(10 g) = 0.151 W/kg

Date: 2018/01/18

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



WLAN 5.8G Aux Ant Edge1 802.11ac80 0mm 5775MHz

Communication System: UID 0, WLAN (0); Communication System Band: 11ac80; Frequency: 5775 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5775$ MHz; $\sigma = 6.107$ S/m; $\epsilon_r = 46.162$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(4.46, 4.46, 4.46); Calibrated: 2017/11/15;

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Phantom: ELI v5.0 TP1207 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:1207

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

WLAN/Edge1/Area Scan (91x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.985 W/kg

WLAN/Edge1/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 12.69 V/m; Power Drift = -0.10 dB

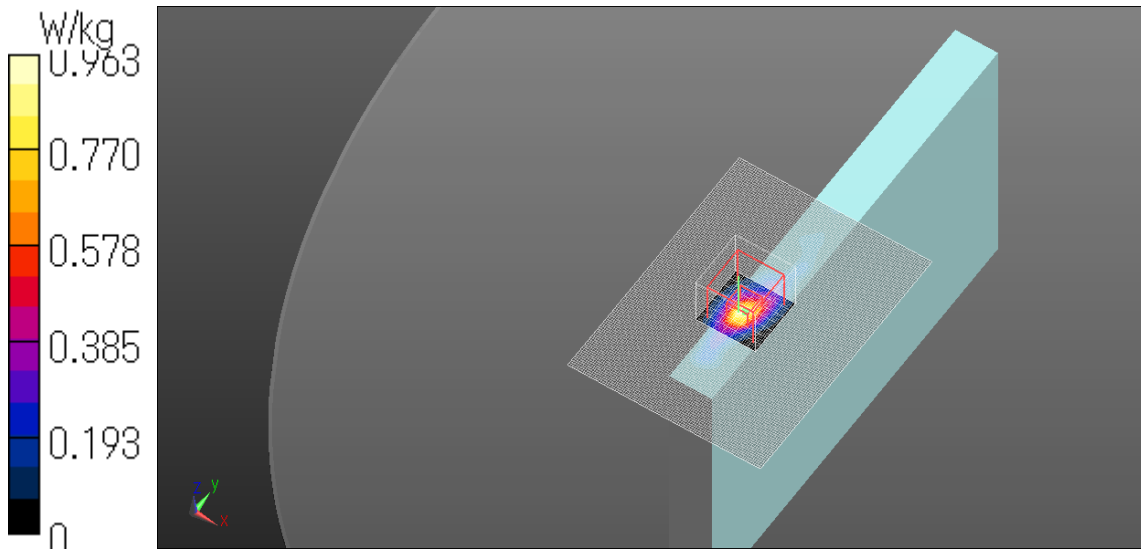
Peak SAR (extrapolated) = 1.83 W/kg

SAR(1 g) = 0.339 W/kg; SAR(10 g) = 0.083 W/kg

Maximum value of SAR (measured) = 0.963 W/kg

Date: 2018/01/18

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



BT 2.4G Aux Ant Edge1 DH5 0mm 2441MHz

Communication System: UID 0, Buletooth (0); Communication System Band: DH5; Frequency: 2441 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.871$ S/m; $\epsilon_r = 50.499$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(7.68, 7.68, 7.68); Calibrated: 2017/11/15;

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: ELI v5.0 TP1207 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:1207

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

BT/Edge1/Area Scan (71x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.556 W/kg

BT/Edge1/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.62 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.756 W/kg

SAR(1 g) = 0.330 W/kg; SAR(10 g) = 0.129 W/kg

Maximum value of SAR (measured) = 0.543 W/kg

Date: 2018/01/18

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

