

15.7 SAR test plots for Repeat Measurement

WLAN 2.4G Ant Main Edge4 tilt 11b 1Mbps 0mm 2412MHz Repeat

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; $\sigma = 1.946$ S/m; $\epsilon_r = 51.034$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3917; ConvF(7.28, 7.28, 7.28); Calibrated: 2016/05/12;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1369; Calibrated: 2016/05/13

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 (51x101x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

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

Zoom Scan (5x5x5mm) (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 25.10 V/m; Power Drift = -0.07 dB

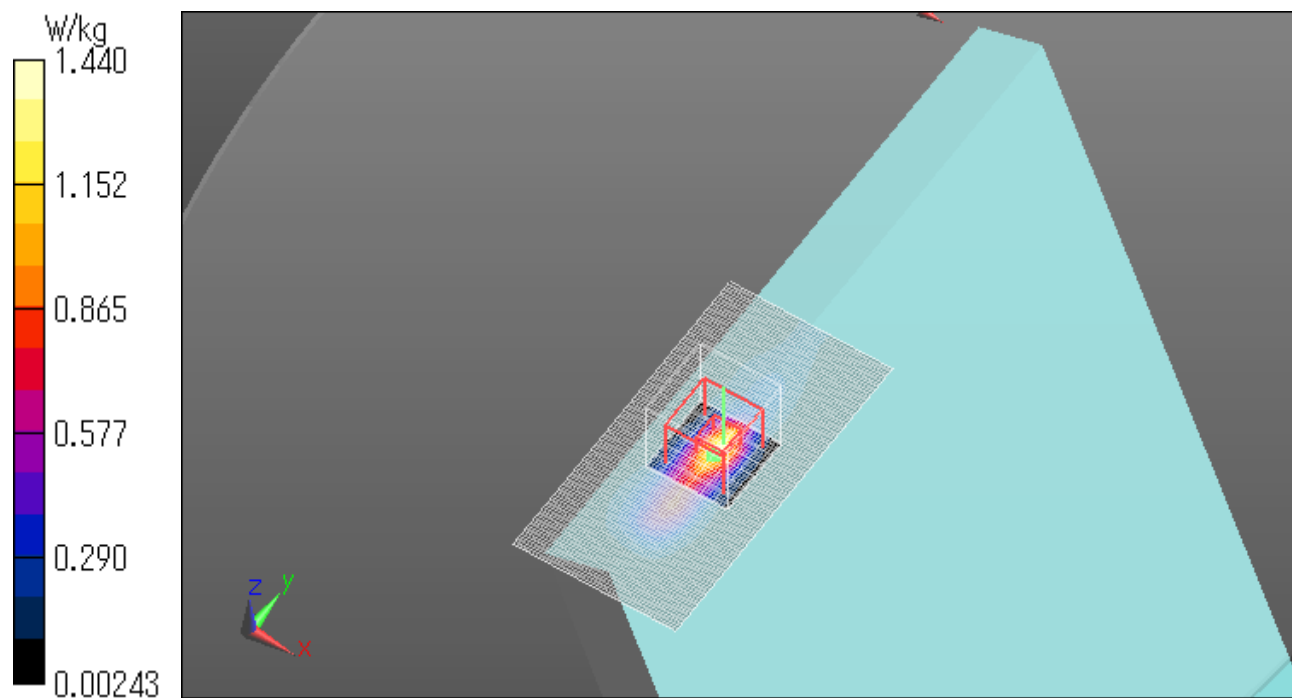
Peak SAR (extrapolated) = 2.11 W/kg

SAR(1 g) = 0.816 W/kg; SAR(10 g) = 0.295 W/kg

Maximum value of SAR (measured) = 1.44 W/kg

Date: 2017/04/05

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



WLAN 5.3G Ant Aux Edge2 tilt 11ac80 VHT0 0mm 5290MHz Repeat

Communication System: UID 0, WLAN (0); Communication System Band: 11ac80; Frequency: 5290 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5290$ MHz; $\sigma = 5.63$ S/m; $\epsilon_r = 48.955$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(4.98, 4.98, 4.98); Calibrated: 2016/12/14;

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1372; Calibrated: 2016/06/10

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)

Area Scan (81x131x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 2.96 W/kg

Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (8x8x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 25.91 V/m; Power Drift = -0.05 dB

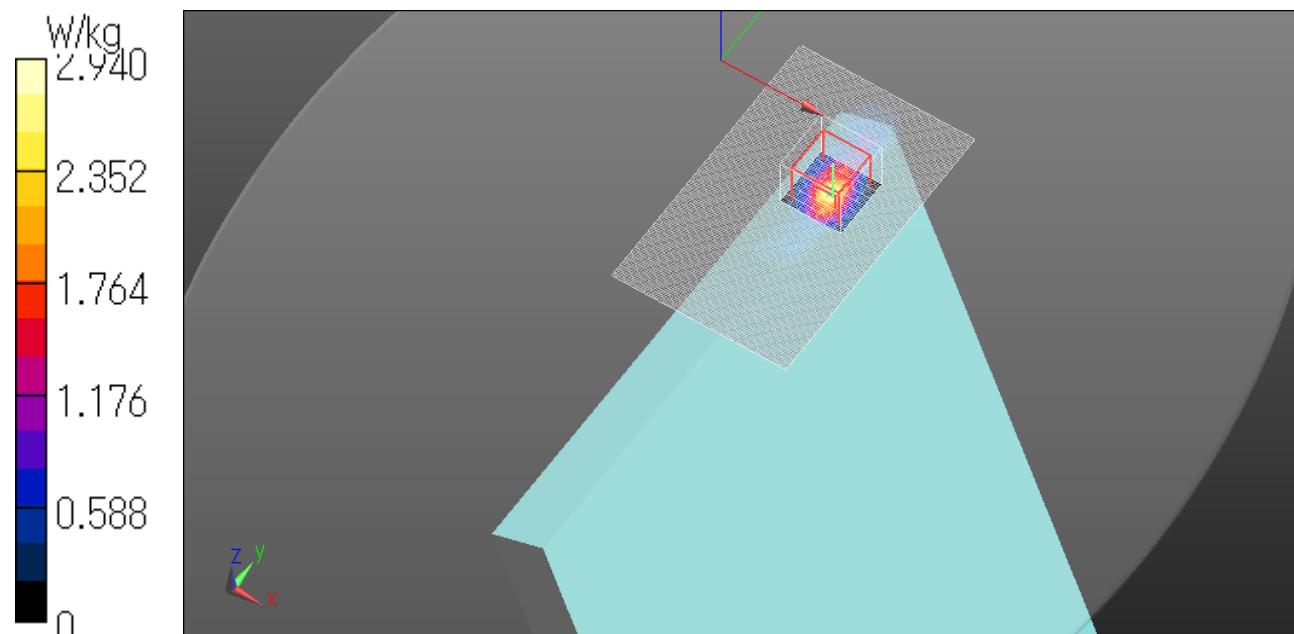
Peak SAR (extrapolated) = 5.41 W/kg

SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.332 W/kg

Maximum value of SAR (measured) = 2.94 W/kg

Date: 2017/03/29

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



WLAN 5.5G Ant Aux Edge2 tilt 11ac80 VHT0 0mm 5530MHz Repeat

Communication System: UID 0, WLAN (0); Communication System Band: 11ac80; Frequency: 5530 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5530$ MHz; $\sigma = 5.828$ S/m; $\epsilon_r = 47.267$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(4.16, 4.16, 4.16); Calibrated: 2016/12/14;

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1372; Calibrated: 2016/06/10

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)

Area Scan (81x131x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 2.96 W/kg

Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (8x8x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 24.95 V/m; Power Drift = 0.03 dB

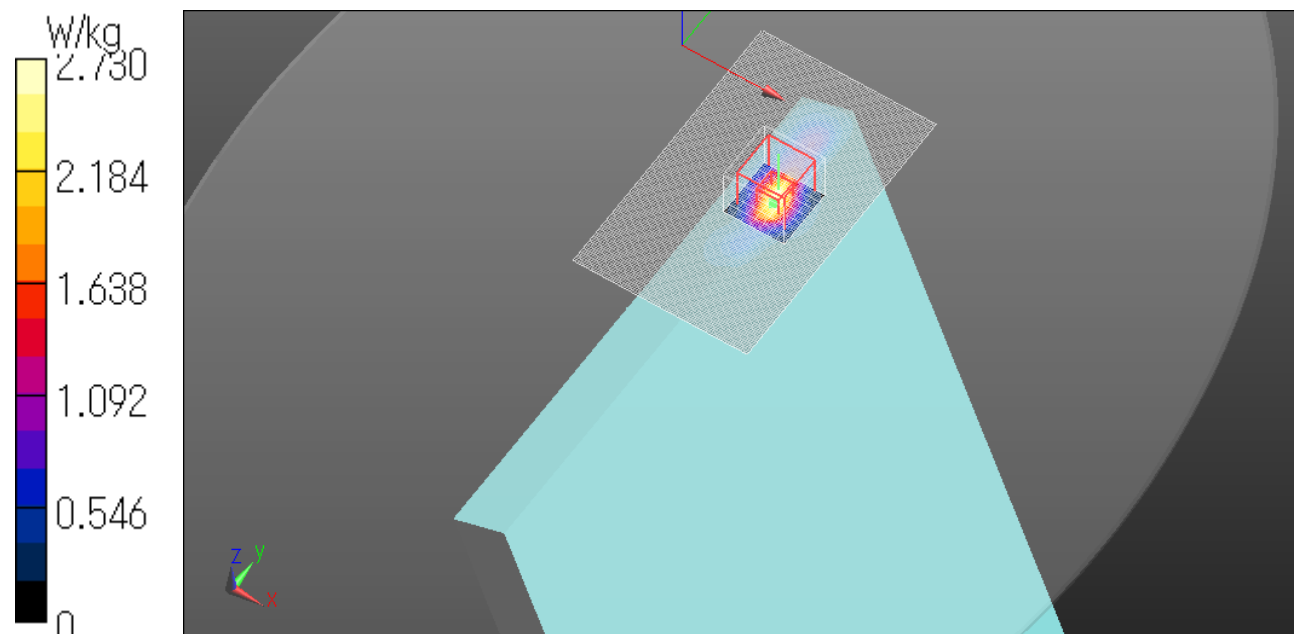
Peak SAR (extrapolated) = 5.77 W/kg

SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.341 W/kg

Maximum value of SAR (measured) = 2.73 W/kg

Date: 2017/03/30

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



WLAN 5.8G Ant Aux Edge2 tilt 11ac80 VHT0 0mm 5775MHz Repeat

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

Medium parameters used (interpolated): $f = 5775$ MHz; $\sigma = 6.211$ S/m; $\epsilon_r = 47.086$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (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: 2016/06/10

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)

Area Scan (81x131x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 2.20 W/kg

Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (8x8x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 23.24 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 4.53 W/kg

SAR(1 g) = 0.936 W/kg; SAR(10 g) = 0.288 W/kg

Maximum value of SAR (measured) = 2.40 W/kg

Date: 2017/04/03

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

