

15.6 SAR Test Plots for Bluetooth

Bluetooth Ant Aux Edge1 DH5 0mm 2441MHz

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

Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.983$ S/m; $\epsilon_r = 50.928$; $\rho = 1000$ 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: 1.4mm (Mechanical Surface Detection), 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 (71x101x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.00169 W/kg

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

Reference Value = 0.8490 V/m; Power Drift = -0.08 dB

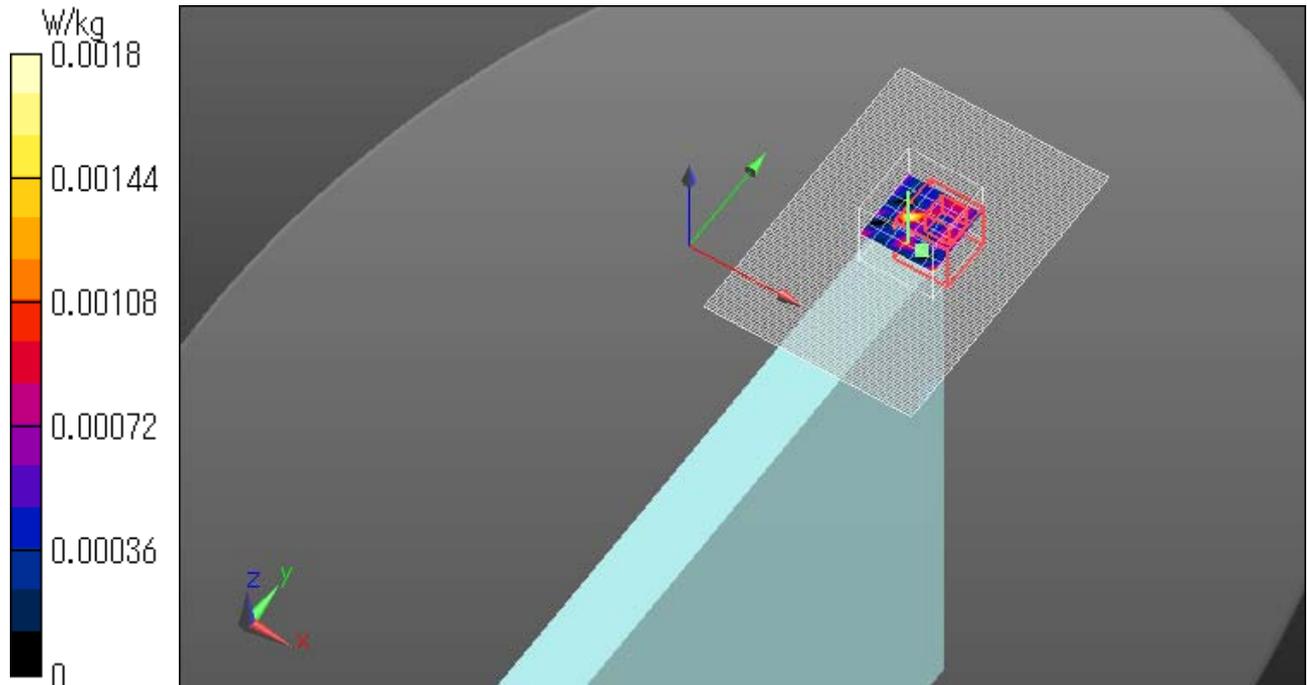
Peak SAR (extrapolated) = 0.00268 W/kg

SAR(1 g) = 4.89e-005 W/kg; SAR(10 g) = 5.28e-006 W/kg

Maximum value of SAR (measured) = 0.00180 W/kg

Date: 2017/04/05

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



Bluetooth Ant Aux Edge2 DH5 0mm 2441MHz

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

Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.983$ S/m; $\epsilon_r = 50.928$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (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) = 0.251 W/kg

Zoom Scan (7x8x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 10.69 V/m; Power Drift = -0.03 dB

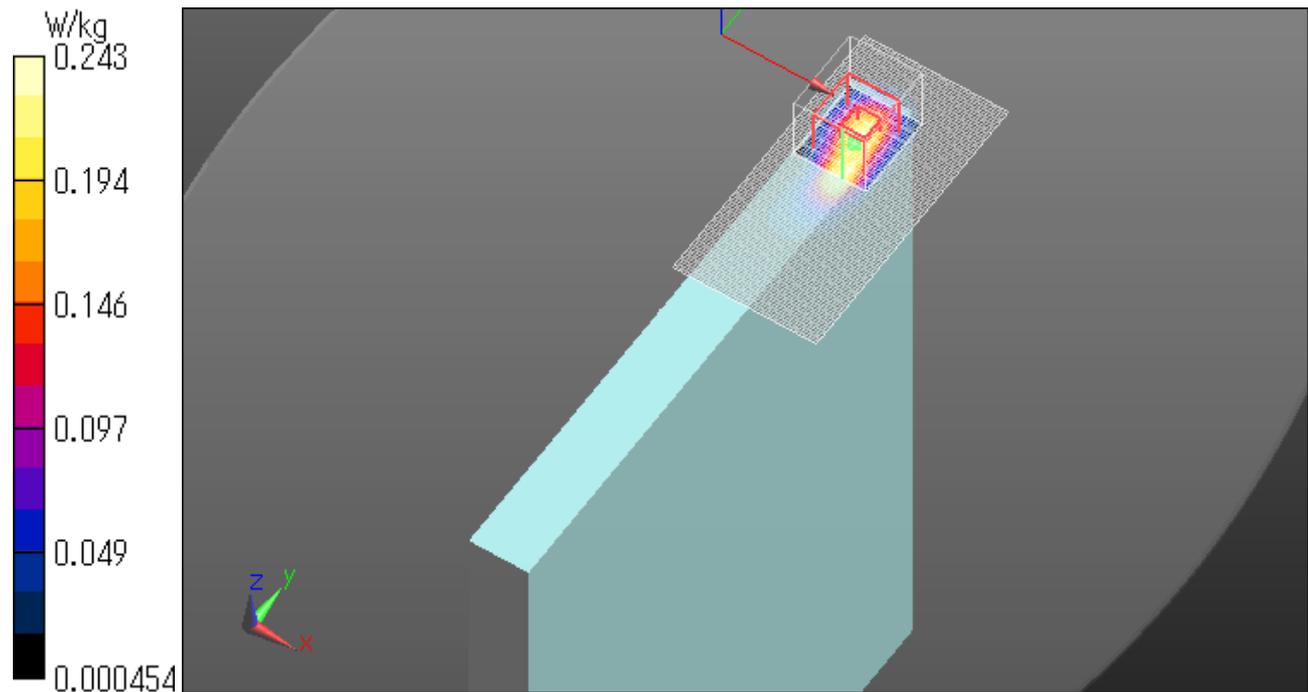
Peak SAR (extrapolated) = 0.352 W/kg

SAR(1 g) = 0.159 W/kg; SAR(10 g) = 0.074 W/kg

Maximum value of SAR (measured) = 0.243 W/kg

Date: 2017/04/05

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



Bluetooth Ant Aux Edge2 tilt DH5 0mm 2441MHz

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

Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.983$ S/m; $\epsilon_r = 50.928$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (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: DASYS2, 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) = 0.274 W/kg

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

Reference Value = 12.15 V/m; Power Drift = -0.06 dB

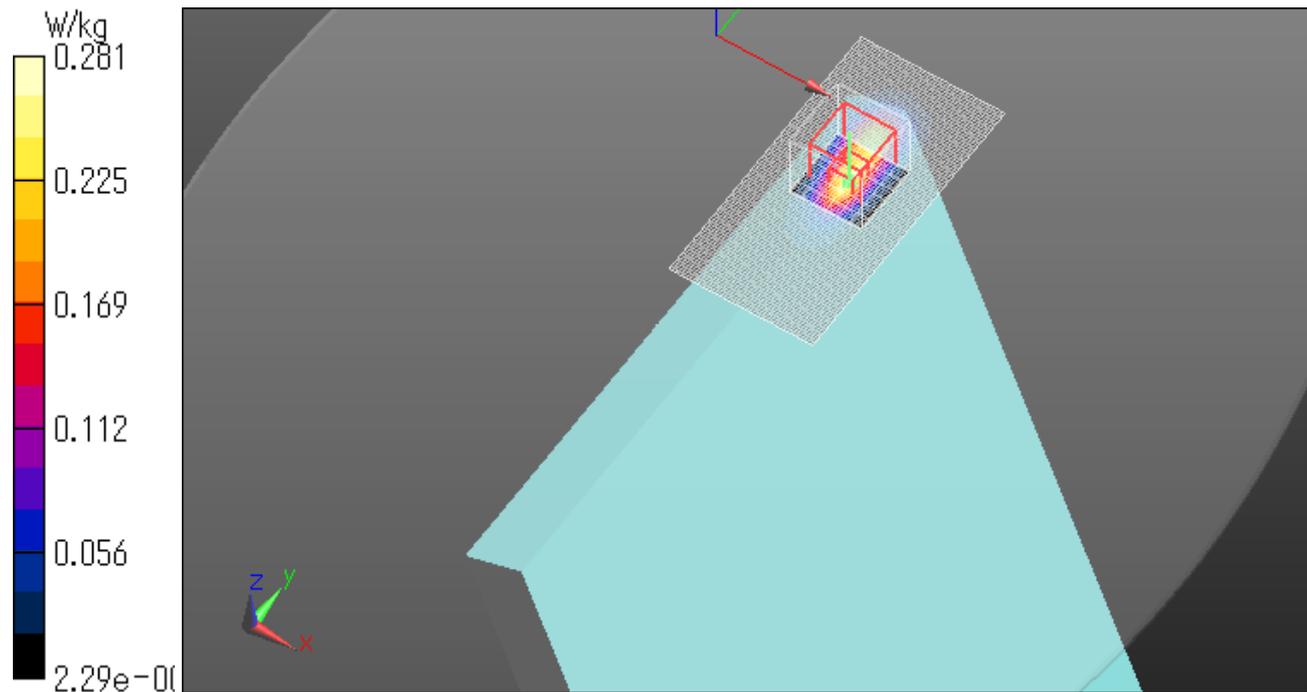
Peak SAR (extrapolated) = 0.397 W/kg

SAR(1 g) = 0.165 W/kg; SAR(10 g) = 0.072 W/kg

Maximum value of SAR (measured) = 0.281 W/kg

Date: 2017/04/05

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



Bluetooth Ant Aux Edge3 DH5 0mm 2441MHz

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

Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.983$ S/m; $\epsilon_r = 50.928$; $\rho = 1000$ 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: 1.4mm (Mechanical Surface Detection), 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 (71x101x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.0381 W/kg

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

Reference Value = 2.785 V/m; Power Drift = 0.07 dB

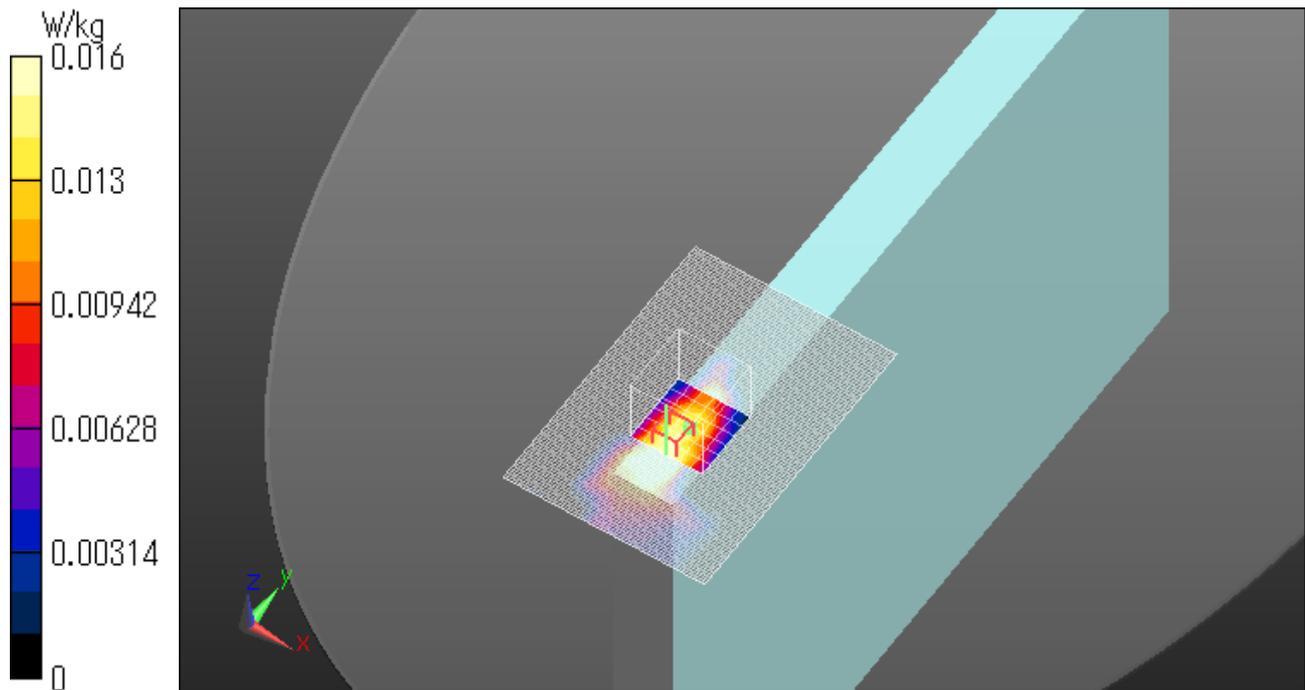
Peak SAR (extrapolated) = 0.0210 W/kg

SAR(1 g) = 0.011 W/kg

Maximum value of SAR (measured) = 0.0157 W/kg

Date: 2017/04/05

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



Bluetooth Ant Aux Rear DH5 0mm 2441MHz

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

Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.983$ S/m; $\epsilon_r = 50.928$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

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

Sensor-Surface: 1.4mm (Mechanical Surface Detection), 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: DASYS2, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (101x61x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.0677 W/kg

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

Reference Value = 5.740 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.0850 W/kg

SAR(1 g) = 0.041 W/kg; SAR(10 g) = 0.019 W/kg

Maximum value of SAR (measured) = 0.0628 W/kg

Date: 2017/04/05

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

