

15.6 SAR Test Plots for Bluetooth

Bluetooth Ant Aux DH5 2441MHz Edge1 0mm

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

Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 2.011$ S/m; $\epsilon_r = 51.422$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(7.59, 7.59, 7.59); Calibrated: 2016/12/14;

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA;

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) = 0.0138 W/kg

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

Reference Value = 1.740 V/m; Power Drift = -0.19 dB

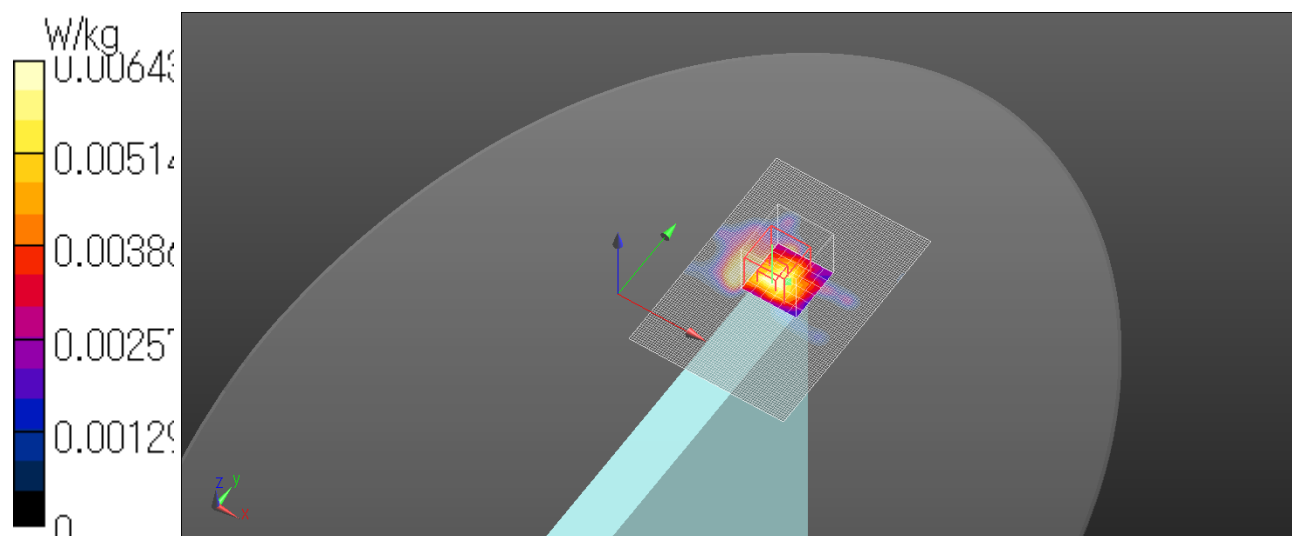
Peak SAR (extrapolated) = 0.0140 W/kg

SAR(1 g) = 0.00407 W/kg; SAR(10 g) = 0.00151 W/kg

Maximum value of SAR (measured) = 0.00643 W/kg

Date: 2017/01/17

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



Bluetooth Ant Aux DH5 2441MHz Edge2 0mm

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

Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 2.011$ S/m; $\epsilon_r = 51.422$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(7.59, 7.59, 7.59); Calibrated: 2016/12/14;

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA;

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) = 0.252 W/kg

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

Reference Value = 11.13 V/m; Power Drift = 0.01 dB

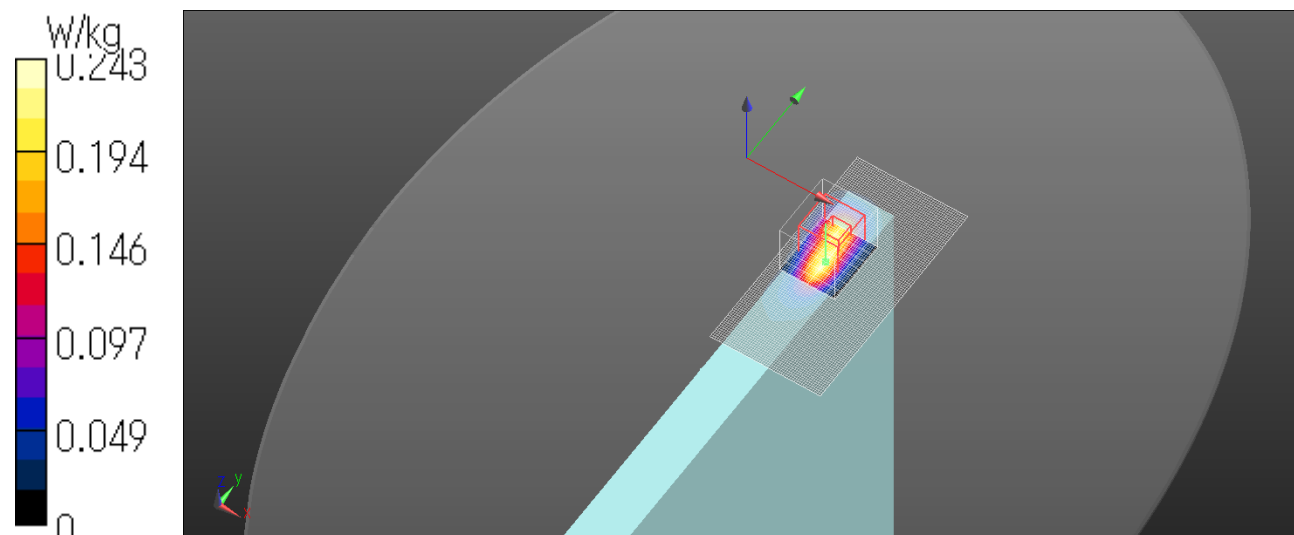
Peak SAR (extrapolated) = 0.357 W/kg

SAR(1 g) = 0.151 W/kg; SAR(10 g) = 0.069 W/kg

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

Date: 2017/01/17

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



Bluetooth Ant Aux DH5 2441MHz Edge2 tilt 0mm

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

Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 2.001$ S/m; $\epsilon_r = 51.487$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(7.59, 7.59, 7.59); Calibrated: 2016/12/14;

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA;

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) = 0.315 W/kg

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

Reference Value = 12.58 V/m; Power Drift = 0.01 dB

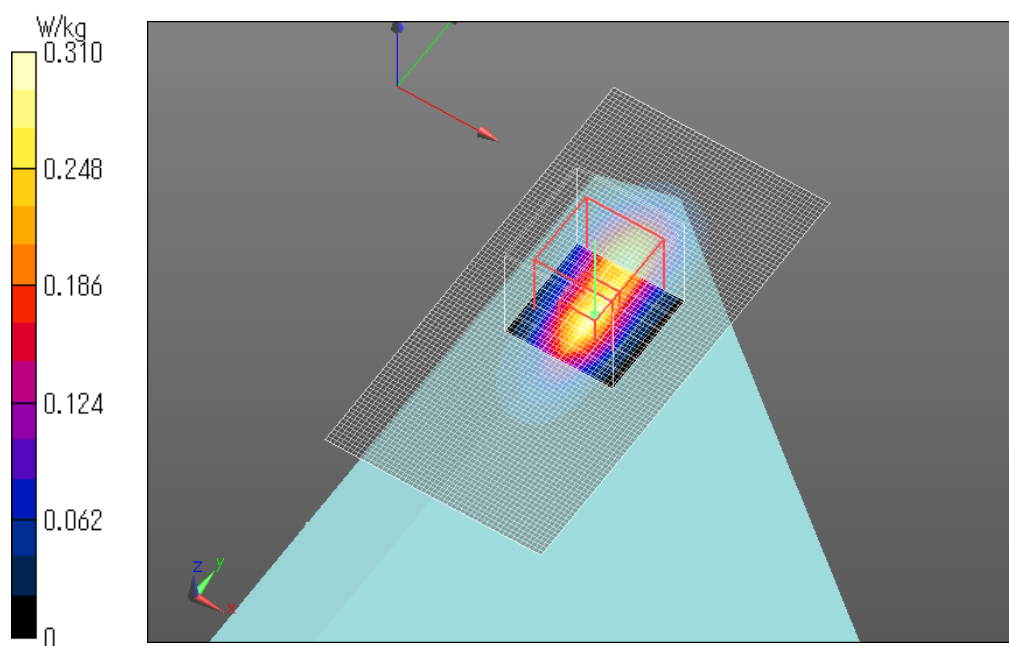
Peak SAR (extrapolated) = 0.466 W/kg

SAR(1 g) = 0.176 W/kg; SAR(10 g) = 0.074 W/kg

Maximum value of SAR (measured) = 0.310 W/kg

Date: 2017/02/10

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



Bluetooth Ant Aux DH5 2441MHz Edge3 0mm

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

Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 2.011$ S/m; $\epsilon_r = 51.422$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(7.59, 7.59, 7.59); Calibrated: 2016/12/14;

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA;

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) = 0.0316 W/kg

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

Reference Value = 3.231 V/m; Power Drift = 0.11 dB

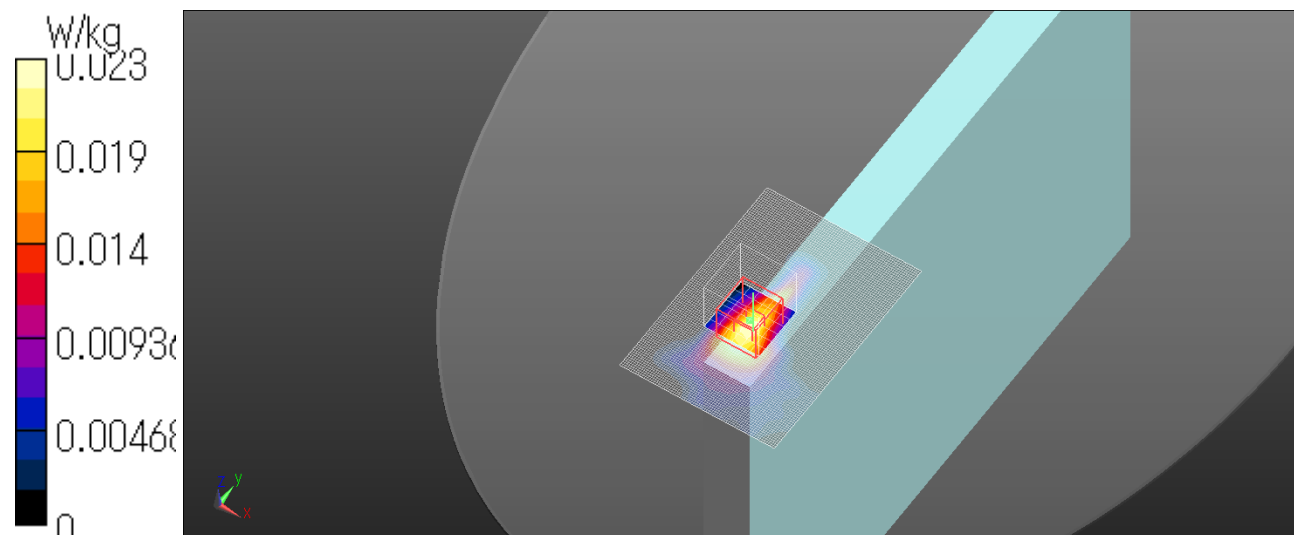
Peak SAR (extrapolated) = 0.0320 W/kg

SAR(1 g) = 0.016 W/kg; SAR(10 g) = 0.00687 W/kg

Maximum value of SAR (measured) = 0.0234 W/kg

Date: 2017/01/17

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



Bluetooth Ant Aux DH5 2441MHz Rear 0mm

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

Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 2.011$ S/m; $\epsilon_r = 51.422$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(7.59, 7.59, 7.59); Calibrated: 2016/12/14;

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA;

Measurement SW: DASY52, 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) = 0.0638 W/kg

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

Reference Value = 5.413 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.0820 W/kg

SAR(1 g) = 0.037 W/kg; SAR(10 g) = 0.017 W/kg

Maximum value of SAR (measured) = 0.0570 W/kg

Date: 2017/01/17

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

