

15.2 SAR test plots for Wi-Fi 2.4GHz band

WLAN 11b 1Mbps Main Ant Rear 2417MHz

Communication System: UID 0, WLAN (0); Communication System Band: 11b/g/n; Frequency: 2417 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2417$ MHz; $\sigma = 1.862$ S/m; $\epsilon_r = 51.313$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(7.36, 7.36, 7.36); Calibrated: 2014/06/13;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1372; Calibrated: 2014/06/18

Phantom: ELI v5.0 TP1207; Type: QDOVA001BB; Serial: TP:1207

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

Area Scan (91x111x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.290 W/kg

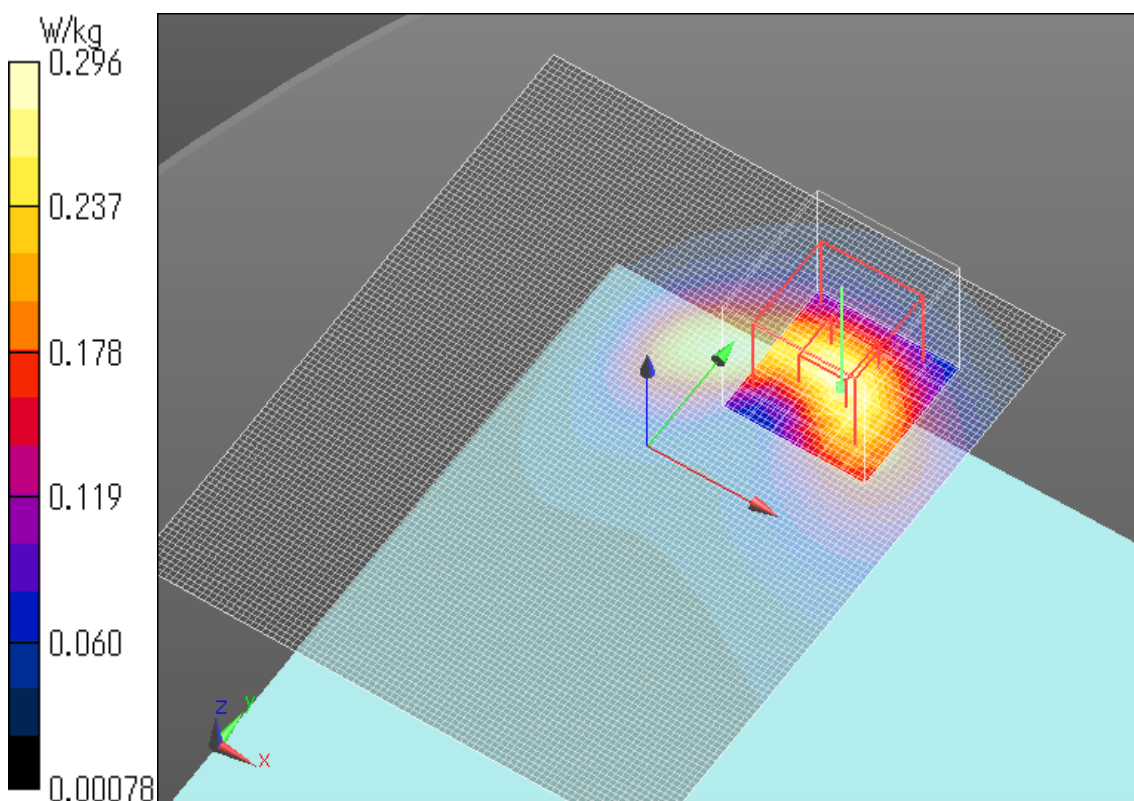
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 12.79 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.405 W/kg

SAR(1 g) = 0.196 W/kg; SAR(10 g) = 0.094 W/kg

Maximum value of SAR (measured) = 0.296 W/kg



Plot No.1

WLAN 11b 1Mbps Main Ant Edge1 2417MHz

Communication System: UID 0, WLAN (0); Communication System Band: 11b/g/n; Frequency: 2417 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2417$ MHz; $\sigma = 1.862$ S/m; $\epsilon_r = 51.313$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(7.36, 7.36, 7.36); Calibrated: 2014/06/13;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1372; Calibrated: 2014/06/18

Phantom: ELI v5.0 TP1207; Type: QDOVA001BB; Serial: TP:1207

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) = 0.123 W/kg

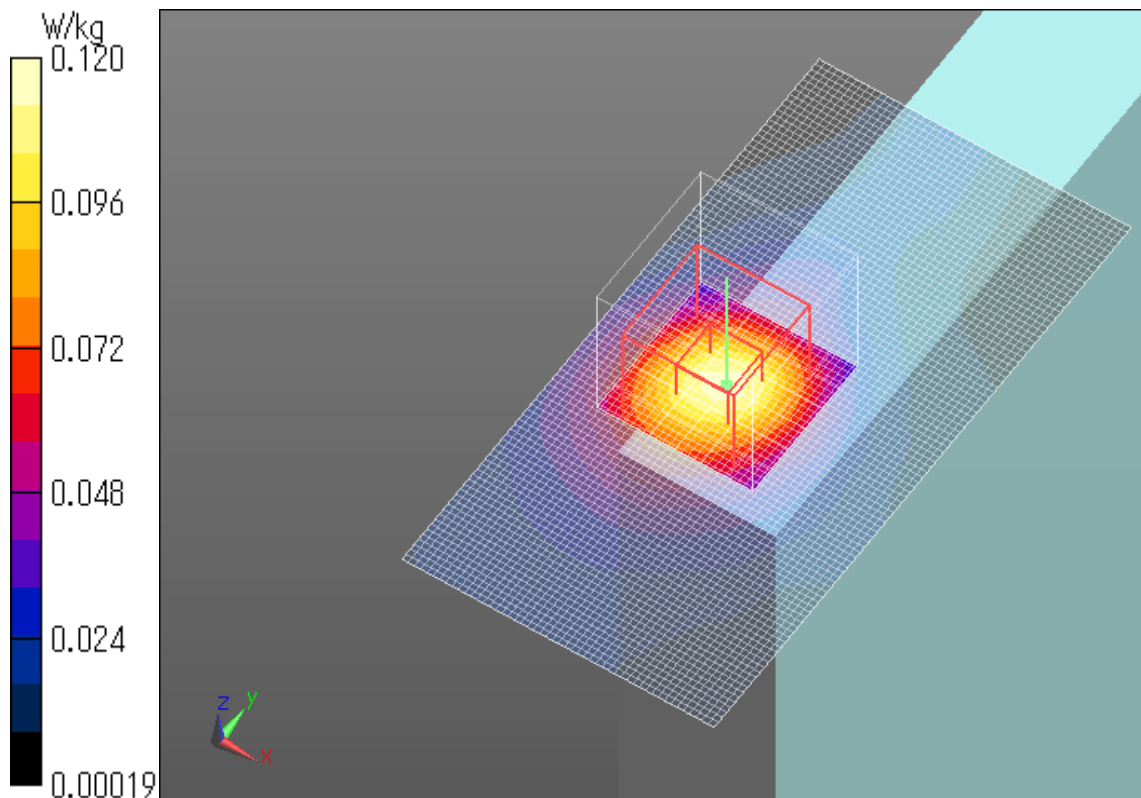
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.086 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.161 W/kg

SAR(1 g) = 0.081 W/kg; SAR(10 g) = 0.041 W/kg

Maximum value of SAR (measured) = 0.120 W/kg



Plot No.2

WLAN 11b 1Mbps Main Ant Edge4 2417MHz

Communication System: UID 0, WLAN (0); Communication System Band: 11b/g/n; Frequency: 2417 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2417$ MHz; $\sigma = 1.862$ S/m; $\epsilon_r = 51.313$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(7.36, 7.36, 7.36); Calibrated: 2014/06/13;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1372; Calibrated: 2014/06/18

Phantom: ELI v5.0 TP1207; Type: QDOVA001BB; Serial: TP:1207

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

Area Scan (51x121x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.919 W/kg

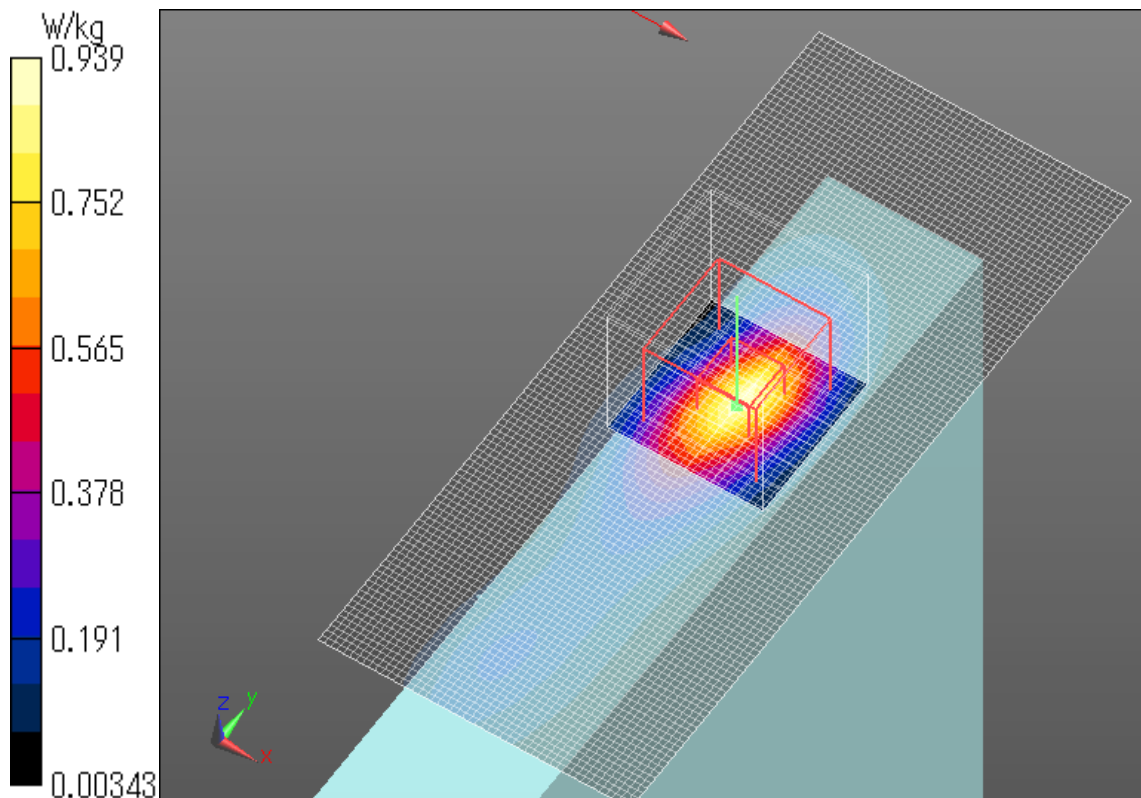
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 22.76 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.584 W/kg; SAR(10 g) = 0.246 W/kg

Maximum value of SAR (measured) = 0.939 W/kg



Plot No.3

WLAN 11b 1Mbps Aux Ant Rear 2457MHz

Communication System: UID 0, WLAN (0); Communication System Band: 11b/g/n; Frequency: 2457 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2457$ MHz; $\sigma = 1.908$ S/m; $\epsilon_r = 51.224$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(7.36, 7.36, 7.36); Calibrated: 2014/06/13;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1372; Calibrated: 2014/06/18

Phantom: ELI v5.0 TP1207; Type: QDOVA001BB; Serial: TP:1207

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

Area Scan (71x151x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.214 W/kg

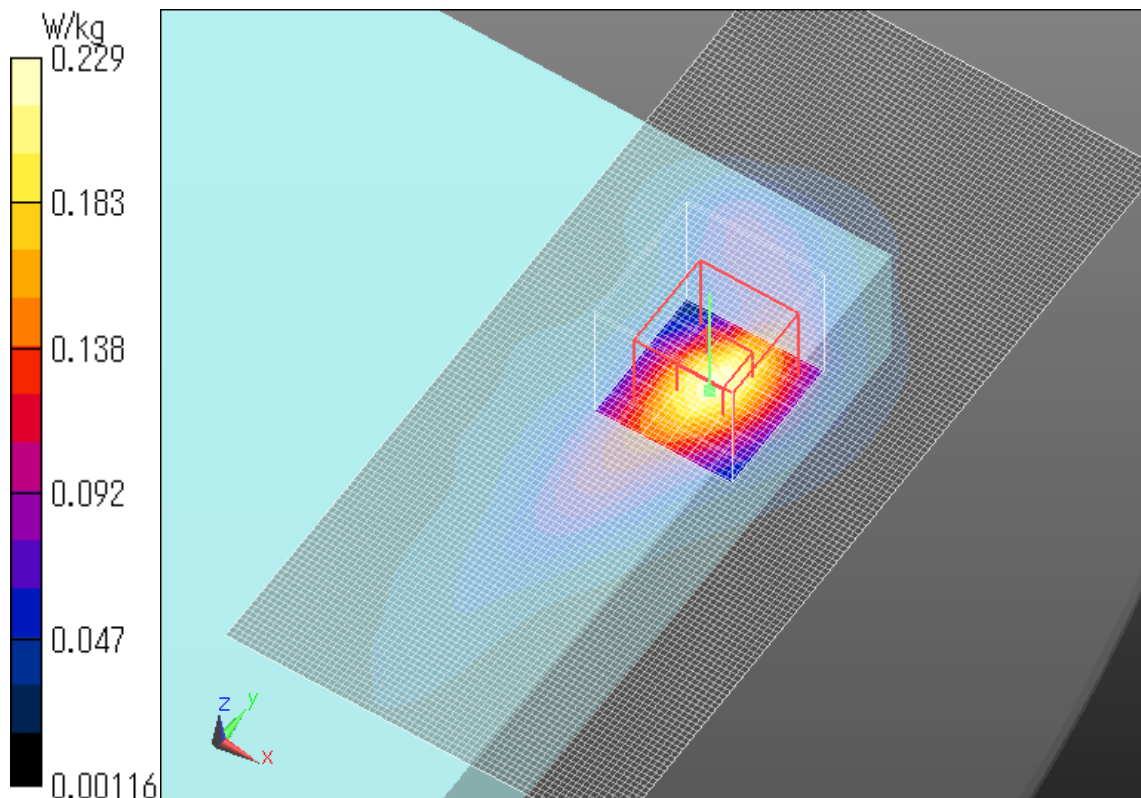
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 11.07 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.316 W/kg

SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.073 W/kg

Maximum value of SAR (measured) = 0.229 W/kg



Plot No.4

WLAN 11b 1Mbps Aux Ant Edge1 2457MHz

Communication System: UID 0, WLAN (0); Communication System Band: 11b/g/n; Frequency: 2457 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2457$ MHz; $\sigma = 1.908$ S/m; $\epsilon_r = 51.224$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(7.36, 7.36, 7.36); Calibrated: 2014/06/13;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1372; Calibrated: 2014/06/18

Phantom: ELI v5.0 TP1207; Type: QDOVA001BB; Serial: TP:1207

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

Area Scan (91x181x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.00187 W/kg

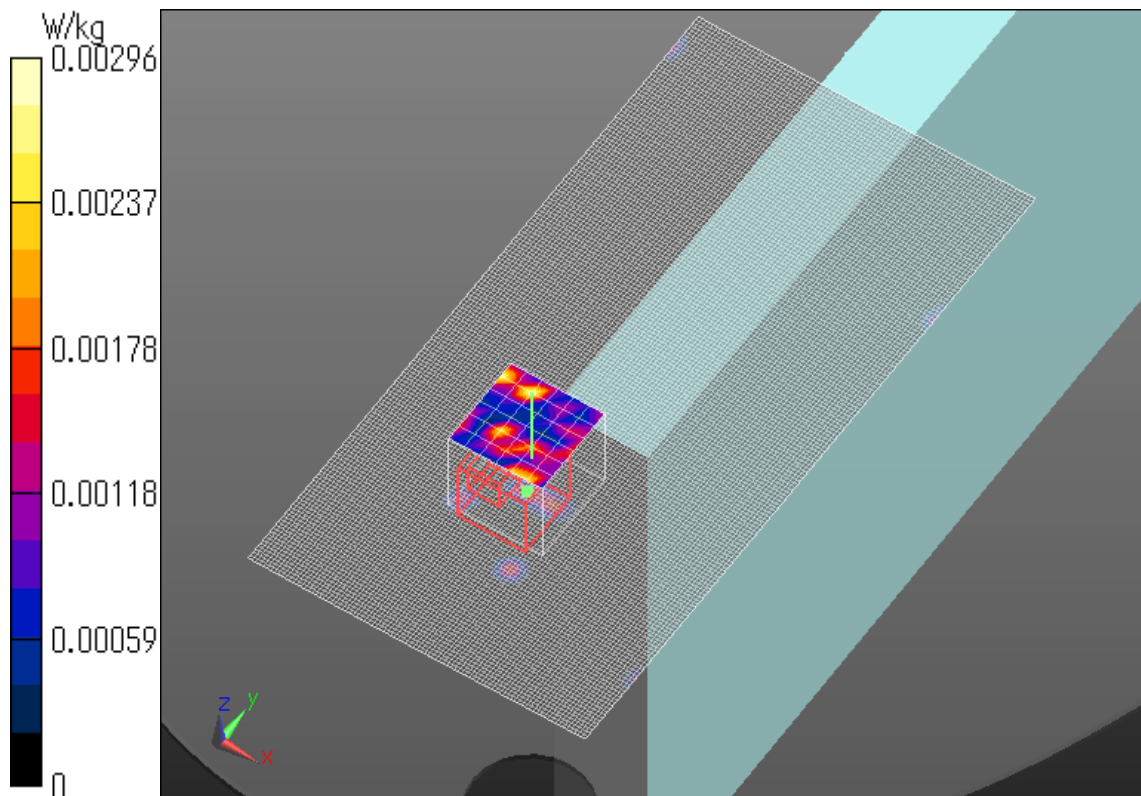
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 0.6820 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.00339 W/kg

SAR(1 g) = 0.00138 W/kg; SAR(10 g) = 0.000685 W/kg

Maximum value of SAR (measured) = 0.00296 W/kg



Plot No.5

WLAN 11b 1Mbps Aux Ant Edge3 2457MHz

Communication System: UID 0, WLAN (0); Communication System Band: 11b/g/n; Frequency: 2457 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2457$ MHz; $\sigma = 1.908$ S/m; $\epsilon_r = 51.224$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(7.36, 7.36, 7.36); Calibrated: 2014/06/13;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1372; Calibrated: 2014/06/18

Phantom: ELI v5.0 TP1207; Type: QDOVA001BB; Serial: TP:1207

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

Area Scan (71x121x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.723 W/kg

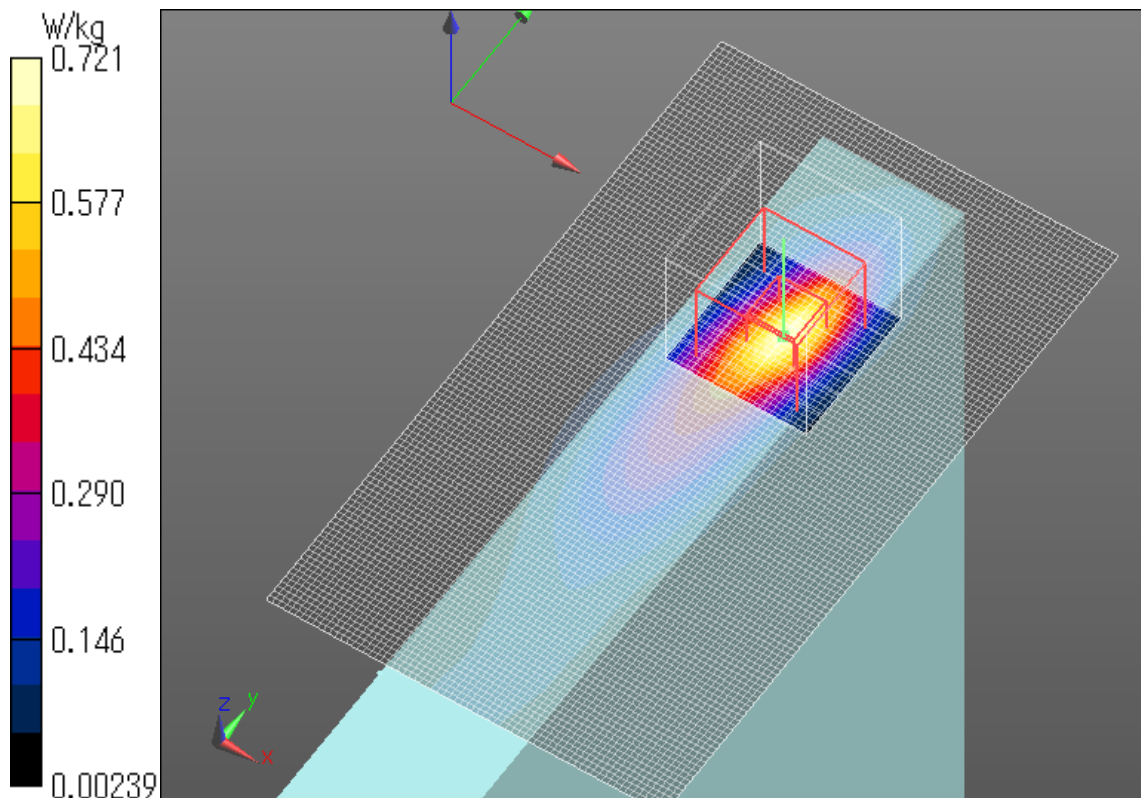
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 19.75 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.451 W/kg; SAR(10 g) = 0.194 W/kg

Maximum value of SAR (measured) = 0.721 W/kg



Plot No.6

WLAN 11b 1Mbps Aux Ant Edge4 2457MHz

Communication System: UID 0, WLAN (0); Communication System Band: 11b/g/n; Frequency: 2457 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2457$ MHz; $\sigma = 1.908$ S/m; $\epsilon_r = 51.224$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(7.36, 7.36, 7.36); Calibrated: 2014/06/13;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1372; Calibrated: 2014/06/18

Phantom: ELI v5.0 TP1207; Type: QDOVA001BB; Serial: TP:1207

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

Area Scan (71x121x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.128 W/kg

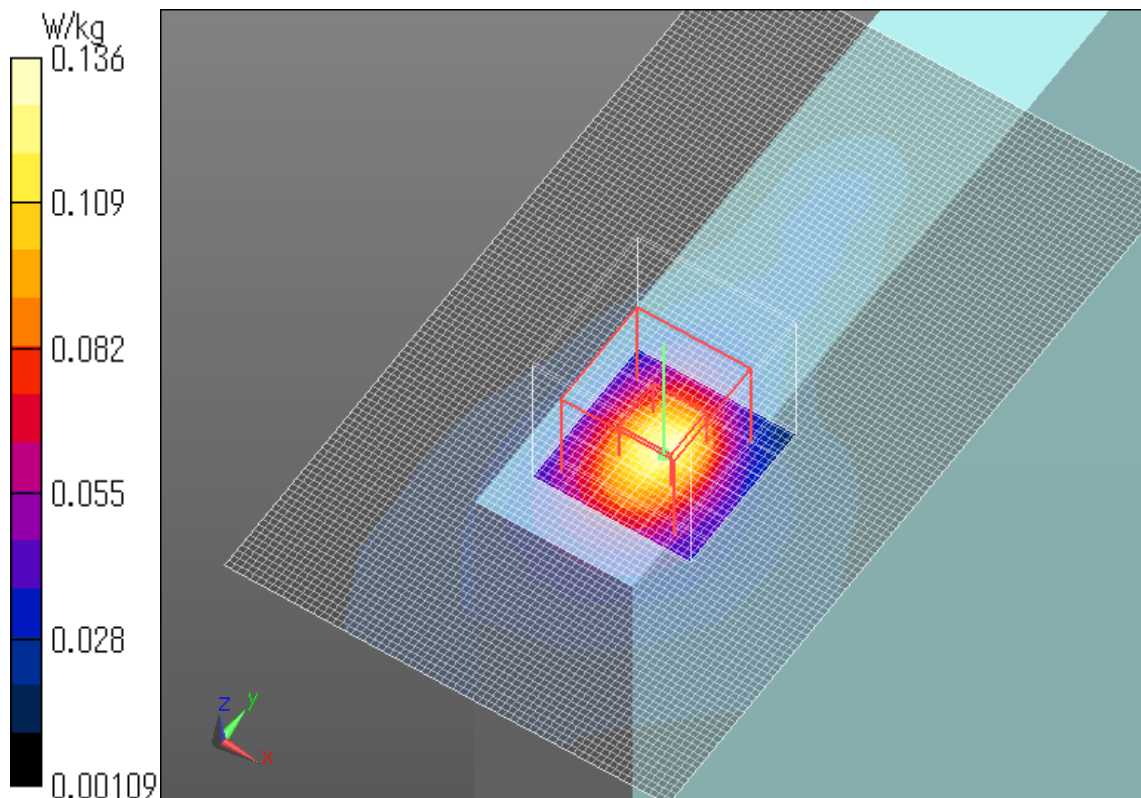
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.506 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.197 W/kg

SAR(1 g) = 0.087 W/kg; SAR(10 g) = 0.040 W/kg

Maximum value of SAR (measured) = 0.136 W/kg



Plot No.7