

14.6 SAR test plots for WCDMA Band II

WCDMA II Main Ant Rear 0mm Reduced power 1852.4MHz

Communication System: UID 0, WCDMA (0); Communication System Band: Band II; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.516$ S/m; $\epsilon_r = 52.955$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3917; ConvF(7.62, 7.62, 7.62); Calibrated: 2013/05/14;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1369; Calibrated: 2013/05/13

Phantom: ELI v5.0 SN1203; Type: QDOVA002AA; Serial: TP:1203

Measurement SW: DASYS2, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Area Scan 2 (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.341 W/kg

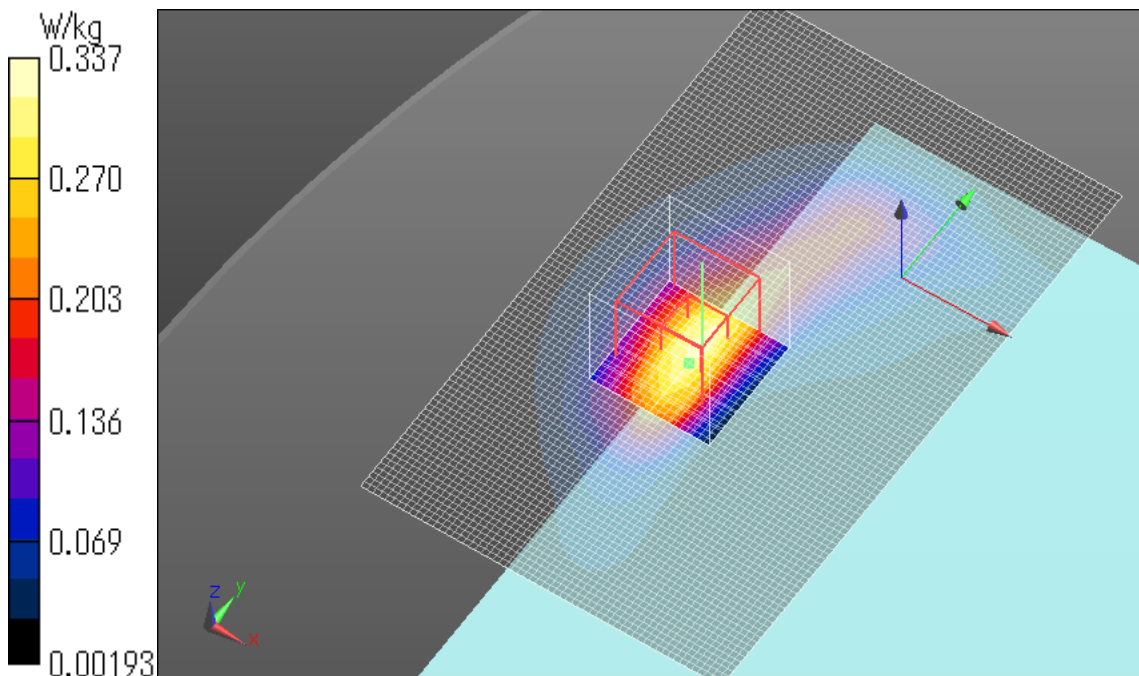
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.708 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.418 W/kg

SAR(1 g) = 0.241 W/kg; SAR(10 g) = 0.128 W/kg

Maximum value of SAR (measured) = 0.337 W/kg



WCDMA II Main Ant Edge 1 0mm Reduced power 1852.4MHz

Communication System: UID 0, WCDMA (0); Communication System Band: Band II; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.516$ S/m; $\epsilon_r = 52.955$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3917; ConvF(7.62, 7.62, 7.62); Calibrated: 2013/05/14;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1369; Calibrated: 2013/05/13

Phantom: ELI v5.0 SN1203; Type: QDOVA002AA; Serial: TP:1203

Measurement SW: DASYS2, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Area Scan (51x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.32 W/kg

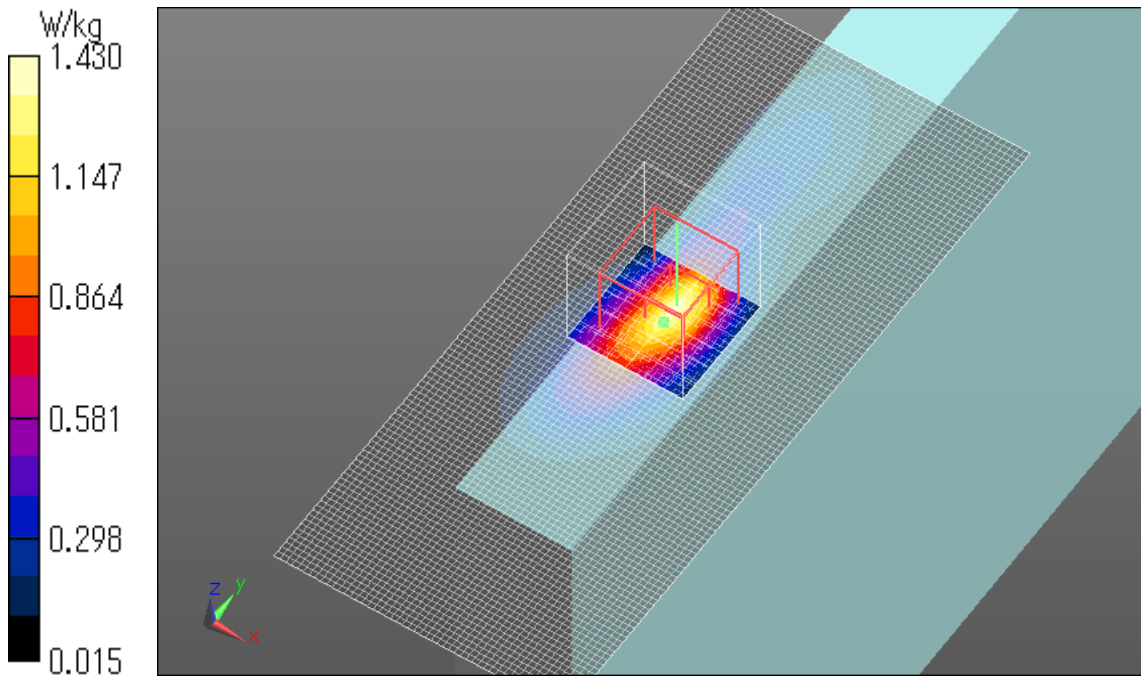
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.994 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.95 W/kg

SAR(1 g) = 0.906 W/kg; SAR(10 g) = 0.429 W/kg

Maximum value of SAR (measured) = 1.43 W/kg



WCDMA II Main Ant Edge 1 0mm Reduced power 1880.0MHz

Communication System: UID 0, WCDMA (0); Communication System Band: Band II; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.545$ S/m; $\epsilon_r = 52.875$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3917; ConvF(7.62, 7.62, 7.62); Calibrated: 2013/05/14;

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

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1369; Calibrated: 2013/05/13

Phantom: ELI v5.0 SN1203; Type: QDOVA002AA; Serial: TP:1203

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Area Scan (51x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.38 W/kg

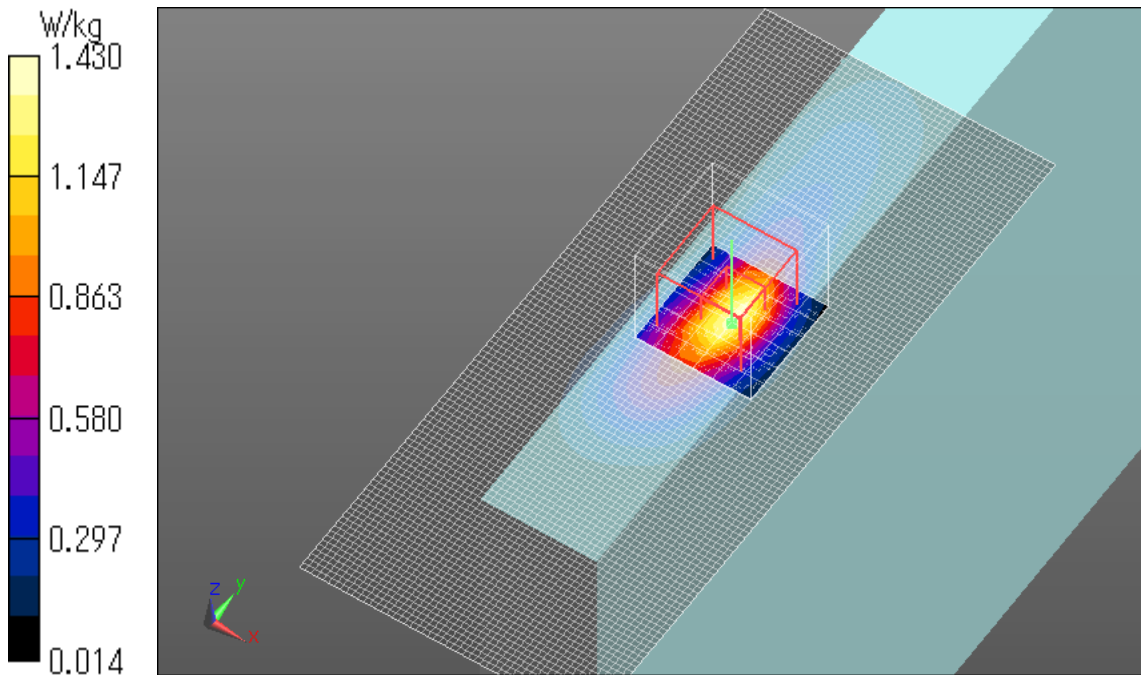
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.310 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.94 W/kg

SAR(1 g) = 0.916 W/kg; SAR(10 g) = 0.424 W/kg

Maximum value of SAR (measured) = 1.43 W/kg



WCDMA II Main Ant Edge1 0mm Reduced power 1880.0MHz

Communication System: UID 0, WCDMA (0); Communication System Band: Band II; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.545$ S/m; $\epsilon_r = 52.875$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3917; ConvF(7.62, 7.62, 7.62); Calibrated: 2013/05/14;

Sensor-Surface: 2mm (Mechanical Surface Detection)

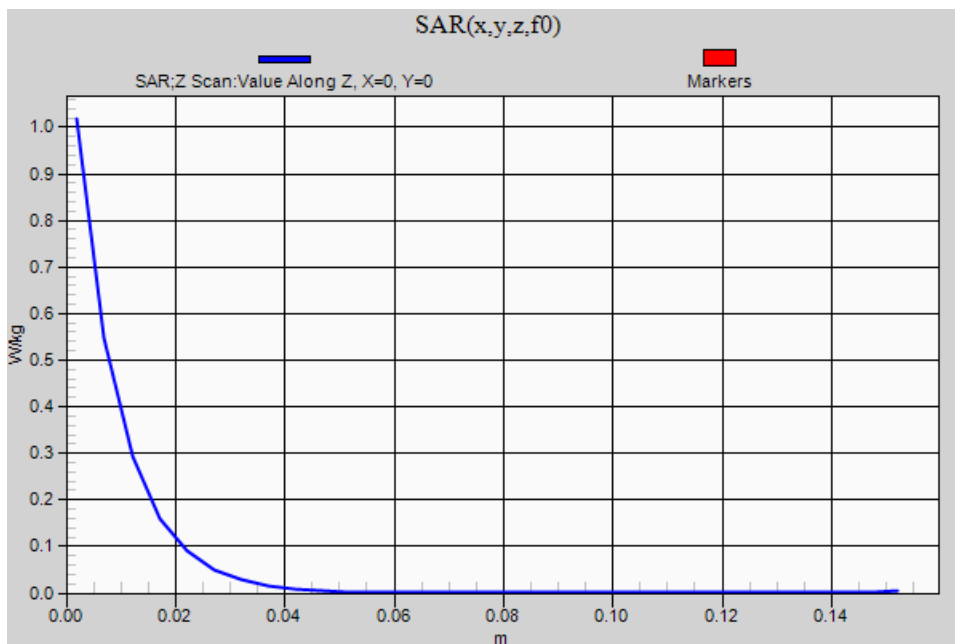
Electronics: DAE4 Sn1369; Calibrated: 2013/05/13

Phantom: ELI v5.0 SN1203; Type: QDOVA002AA; Serial: TP:1203

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Z Scan (1x1x31): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 1.02 W/kg



WCDMA II Main Ant Edge 1 0mm Reduced power 1907.6MHz

Communication System: UID 0, WCDMA (0); Communication System Band: Band II; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1907.6$ MHz; $\sigma = 1.576$ S/m; $\epsilon_r = 52.793$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3917; ConvF(7.62, 7.62, 7.62); Calibrated: 2013/05/14;

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

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1369; Calibrated: 2013/05/13

Phantom: ELI v5.0 SN1203; Type: QDOVA002AA; Serial: TP:1203

Measurement SW: DASYS5, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Area Scan (51x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

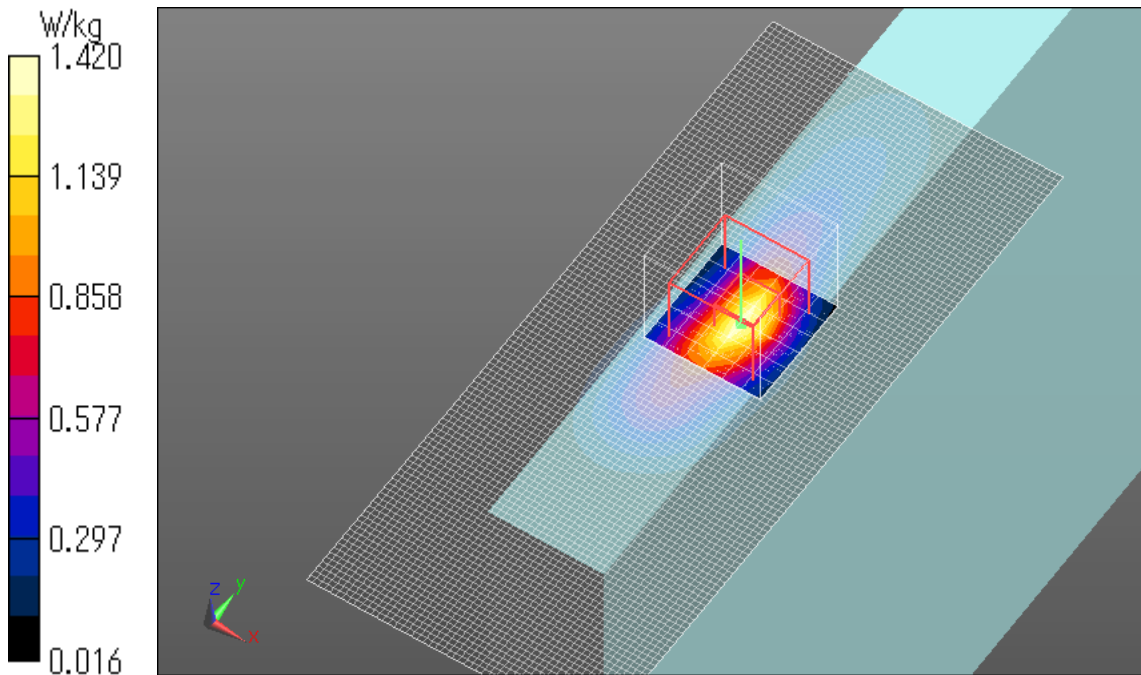
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 30.600 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.92 W/kg

SAR(1 g) = 0.915 W/kg; SAR(10 g) = 0.424 W/kg

Maximum value of SAR (measured) = 1.42 W/kg



WCDMA II Main Ant Rear 13mm Full power 1852.4MHz

Communication System: UID 0, WCDMA (0); Communication System Band: Band II; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.516$ S/m; $\epsilon_r = 52.955$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3917; ConvF(7.62, 7.62, 7.62); Calibrated: 2013/05/14;

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

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1369; Calibrated: 2013/05/13

Phantom: ELI v5.0 SN1203; Type: QDOVA002AA; Serial: TP:1203

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Area Scan 2 (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.144 W/kg

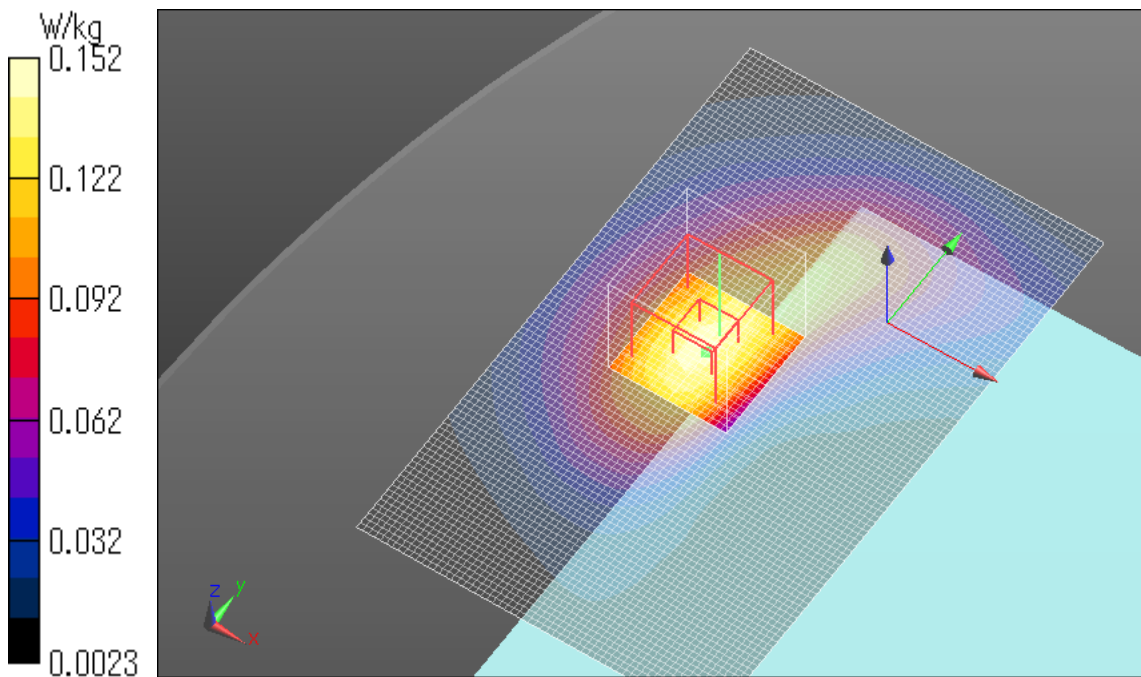
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.045 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.184 W/kg

SAR(1 g) = 0.114 W/kg; SAR(10 g) = 0.069 W/kg

Maximum value of SAR (measured) = 0.152 W/kg



WCDMA II Main Ant Edge 1 21mm Full power 1852.4MHz

Communication System: UID 0, WCDMA (0); Communication System Band: Band II; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.516$ S/m; $\epsilon_r = 52.955$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3917; ConvF(7.62, 7.62, 7.62); Calibrated: 2013/05/14;

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

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1369; Calibrated: 2013/05/13

Phantom: ELI v5.0 SN1203; Type: QDOVA002AA; Serial: TP:1203

Measurement SW: DASYS2, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Area Scan (51x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.232 W/kg

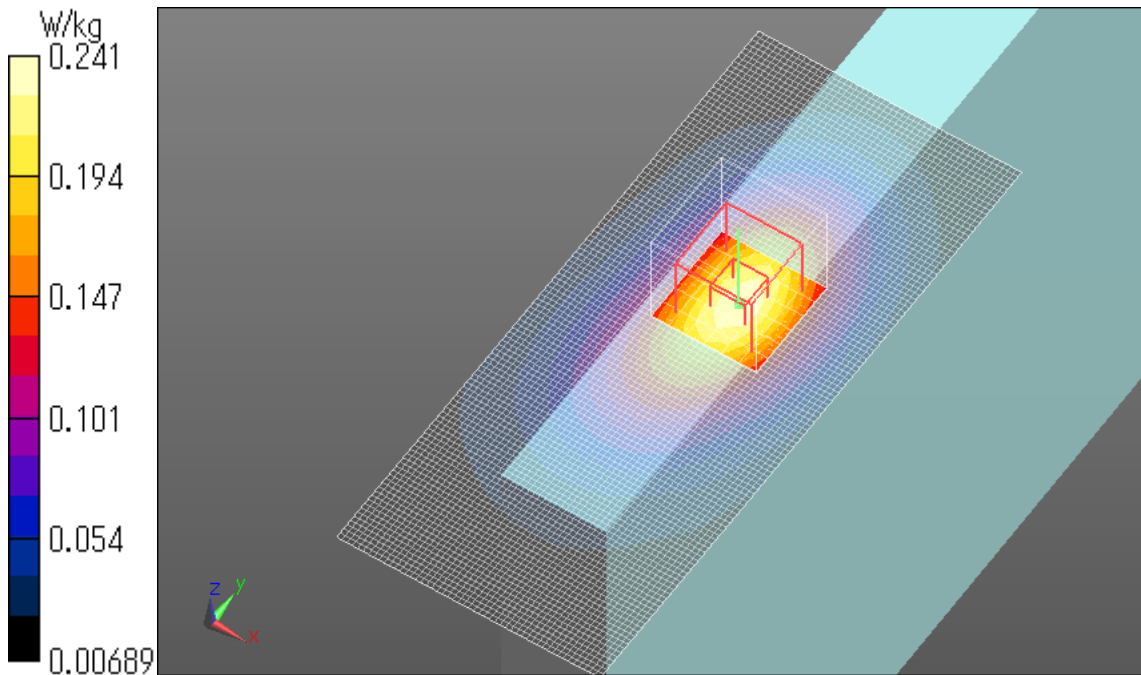
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.865 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.295 W/kg

SAR(1 g) = 0.182 W/kg; SAR(10 g) = 0.110 W/kg

Maximum value of SAR (measured) = 0.241 W/kg



WCDMA II Main Ant Edge 4 0mm Full power 1852.4MHz

Communication System: UID 0, WCDMA (0); Communication System Band: Band II; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.516$ S/m; $\epsilon_r = 52.955$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3917; ConvF(7.62, 7.62, 7.62); Calibrated: 2013/05/14;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1369; Calibrated: 2013/05/13

Phantom: ELI v5.0 SN1203; Type: QDOVA002AA; Serial: TP:1203

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Area Scan (51x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0772 W/kg

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

Reference Value = 7.577 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.104 W/kg

SAR(1 g) = 0.058 W/kg; SAR(10 g) = 0.031 W/kg

Maximum value of SAR (measured) = 0.0815 W/kg

