

15.5 SAR test plots for WCDMA Band IV

WCDMA Band IV Edge1 0mmReduced Power 1712.4MHz

Communication System: UID 0, WCDMA (0); Communication System Band: Band IV; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.38$ S/m; $\epsilon_r = 52.914$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(8.04, 8.04, 8.04); Calibrated: 2013/06/04;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1372; Calibrated: 2013/06/03

Phantom: ELI v5.0 TP1207; Type: QDOVA002AA;

Measurement SW: DASYS2, Version 52.8 (7);

WCDMA/Edge1 2 2 3/Area Scan (41x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 1.20 W/kg

WCDMA/Edge1 2 2 3/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

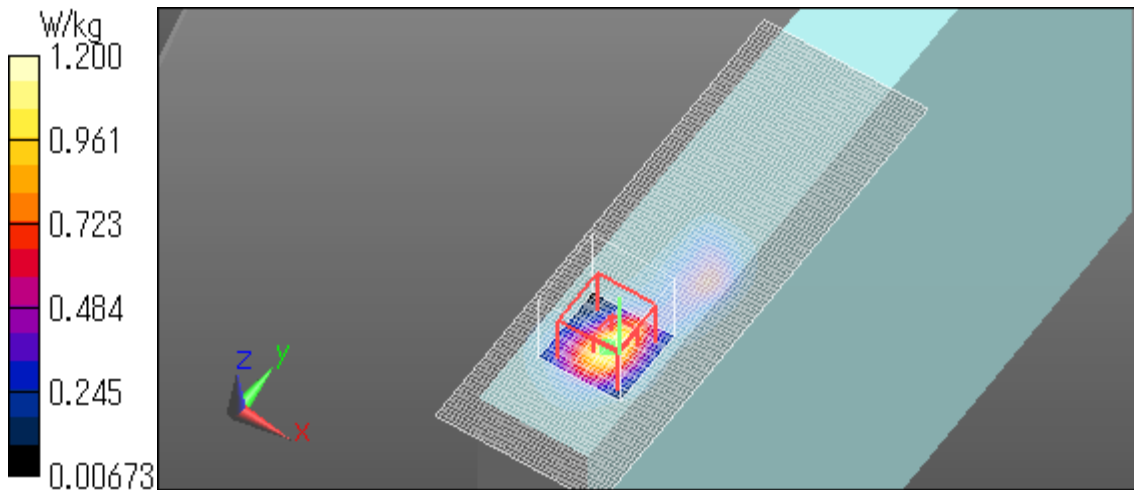
Reference Value = 27.456 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.67 W/kg

SAR(1 g) = 0.813 W/kg; SAR(10 g) = 0.381 W/kg

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.18 W/kg



Plot No.1

WCDMA Band IV Edge1 0mm Reduced Power 1732.6MHz

Communication System: UID 0, WCDMA (0); Communication System Band: Band IV; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.406$ S/m; $\epsilon_r = 52.836$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(8.04, 8.04, 8.04); Calibrated: 2013/06/04;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1372; Calibrated: 2013/06/03

Phantom: ELI v5.0 TP1207; Type: QDOVA002AA;

Measurement SW: DASY52, Version 52.8 (7);

WCDMA/Edge1 2 2/Area Scan 2 (41x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 1.30 W/kg

WCDMA/Edge1 2 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

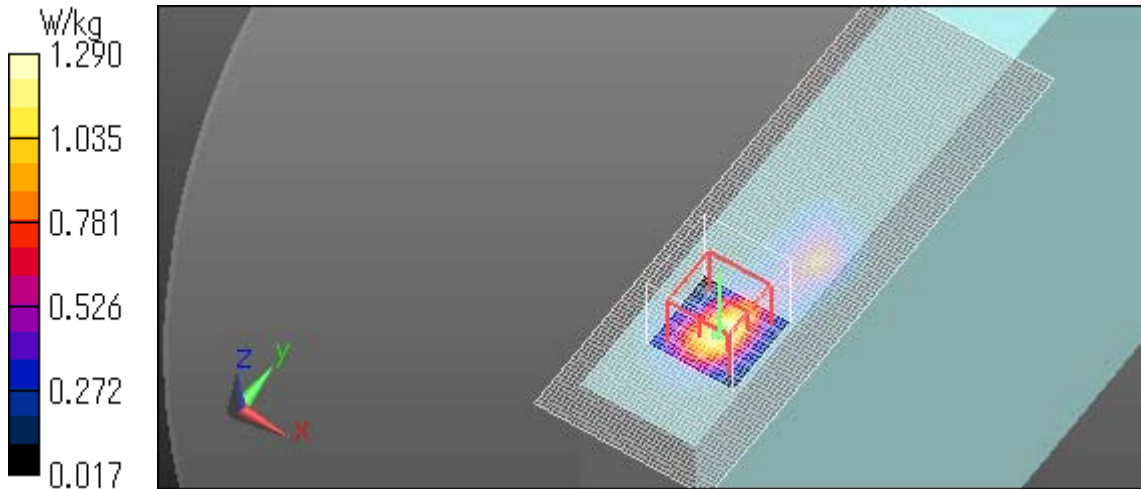
Reference Value = 31.195 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.79 W/kg

SAR(1 g) = 0.866 W/kg; SAR(10 g) = 0.403 W/kg

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.29 W/kg



Plot No.2

WCDMA Band IV Edge1 0mm Reduced Power 1752.6MHz

Communication System: UID 0, WCDMA (0); Communication System Band: Band IV; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.416$ S/m; $\epsilon_r = 52.847$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(8.04, 8.04, 8.04); Calibrated: 2013/06/04;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1372; Calibrated: 2013/06/03

Phantom: ELI v5.0 TP1207; Type: QDOVA002AA;

Measurement SW: DASY52, Version 52.8 (7);

WCDMA/Edge1 2 2 3 2/Area Scan 2 (41x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 1.29 W/kg

WCDMA/Edge1 2 2 3 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 27.751 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.80 W/kg

SAR(1 g) = 0.865 W/kg; SAR(10 g) = 0.401 W/kg

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.29 W/kg

WCDMA/Edge1 2 2 3 2/Zoom Scan 2 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

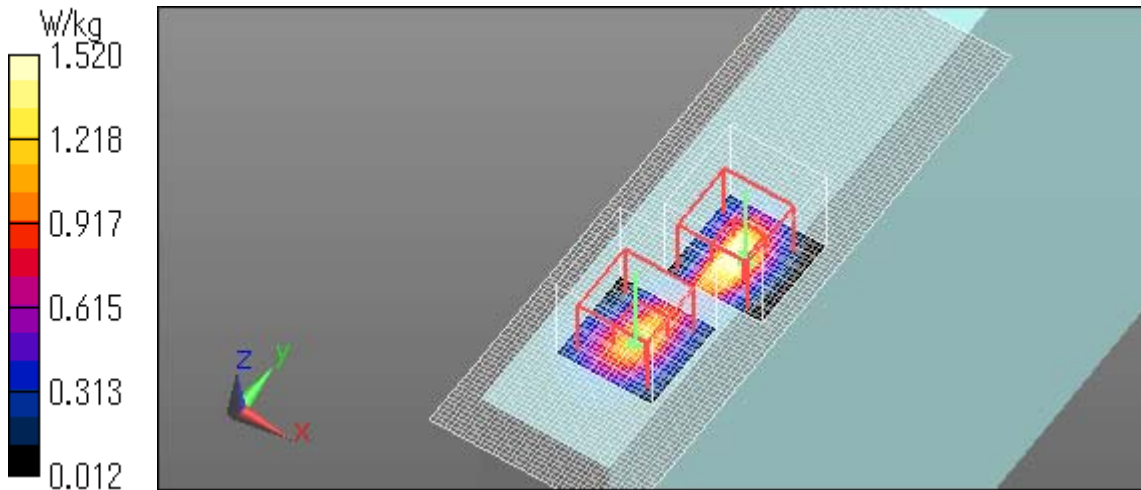
Reference Value = 27.751 V/m; Power Drift = 0.01dB

Peak SAR (extrapolated) = 2.81 W/kg

SAR(1 g) = 0.967 W/kg; SAR(10 g) = 0.385 W/kg

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.52 W/kg



Plot No.3

WCDMA Band IV Edge1 0mm Reduced Power 1752.6MHz

Communication System: UID 0, WCDMA (0); Communication System Band: Band IV; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.416$ S/m; $\epsilon_r = 52.847$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(8.04, 8.04, 8.04); Calibrated: 2013/06/04;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1372; Calibrated: 2013/06/03

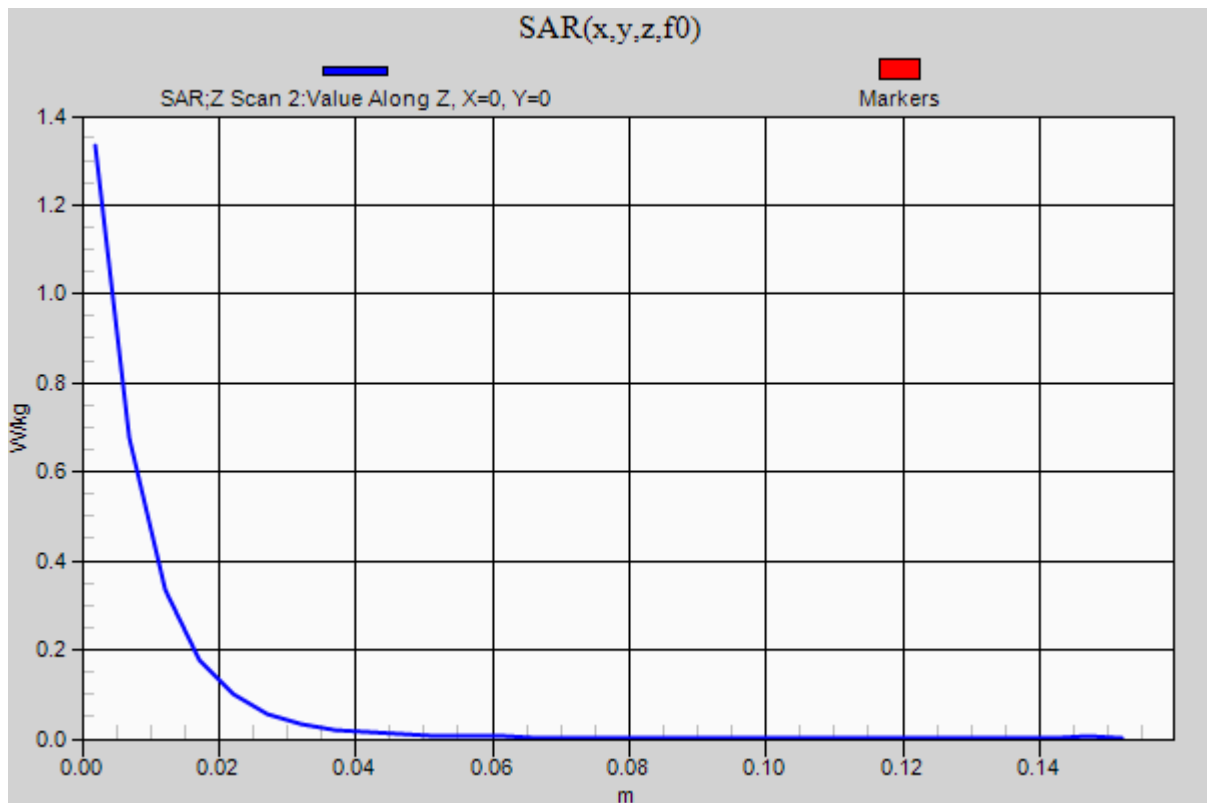
Phantom: ELI v5.0 TP1207; Type: QDOVA002AA;

Measurement SW: DASYS2, Version 52.8 (7);

WCDMA/Edge1 2 2 3 2/Z Scan 2 (1x1x31): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.33 W/kg



WCDMA Band IV Rear 0mm Full Power 1732.6MHz

Communication System: UID 0, WCDMA (0); Communication System Band: Band IV; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.415$ S/m; $\epsilon_r = 53.024$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(8.04, 8.04, 8.04); Calibrated: 2013/06/04;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1372; Calibrated: 2013/06/03

Phantom: ELI v5.0 TP1207; Type: QDOVA002AA;

Measurement SW: DASYS2, Version 52.8 (7);

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

Maximum value of SAR (interpolated) = 0.432 W/kg

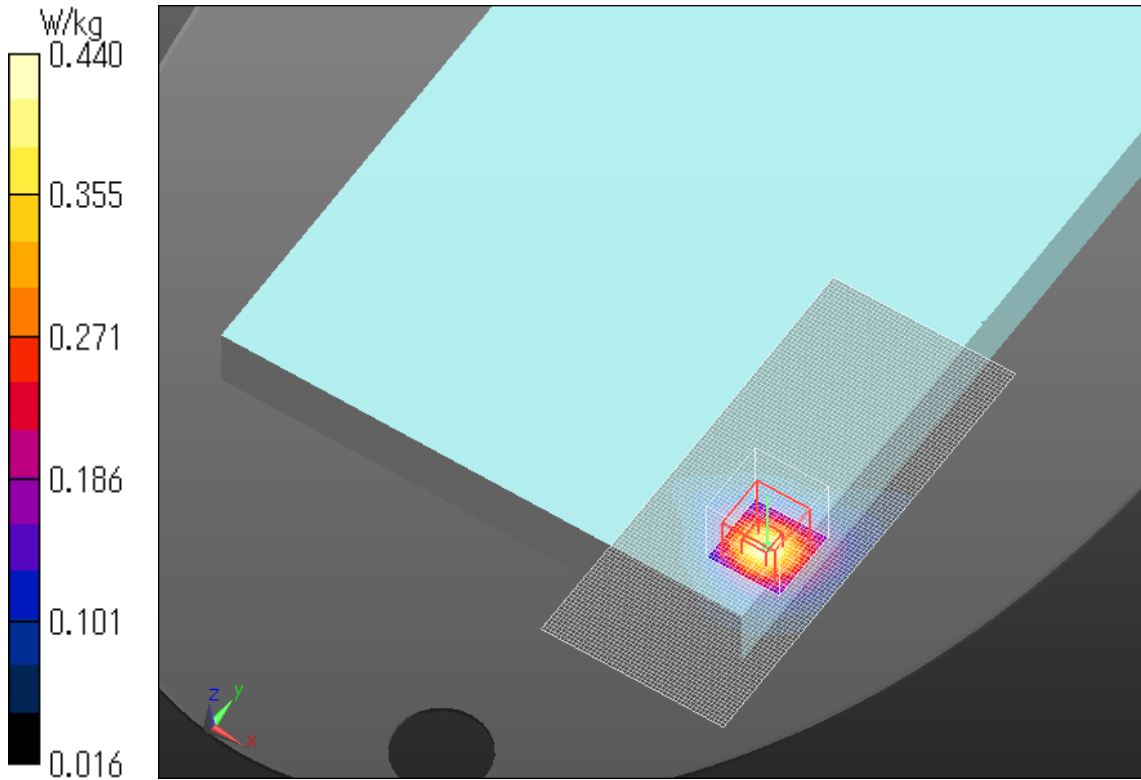
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.091 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.560 W/kg

SAR(1 g) = 0.314 W/kg; SAR(10 g) = 0.174 W/kg

Maximum value of SAR (measured) = 0.440 W/kg



Plot No.4

WCDMA Band IV Edge1 16mm Full Power 1732.6MHz

Communication System: UID 0, WCDMA (0); Communication System Band: Band IV; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.415$ S/m; $\epsilon_r = 53.024$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(8.04, 8.04, 8.04); Calibrated: 2013/06/04;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1372; Calibrated: 2013/06/03

Phantom: ELI v5.0 TP1207; Type: QDOVA002AA;

Measurement SW: DASYS2, Version 52.8 (7);

Area Scan (41x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.432 W/kg

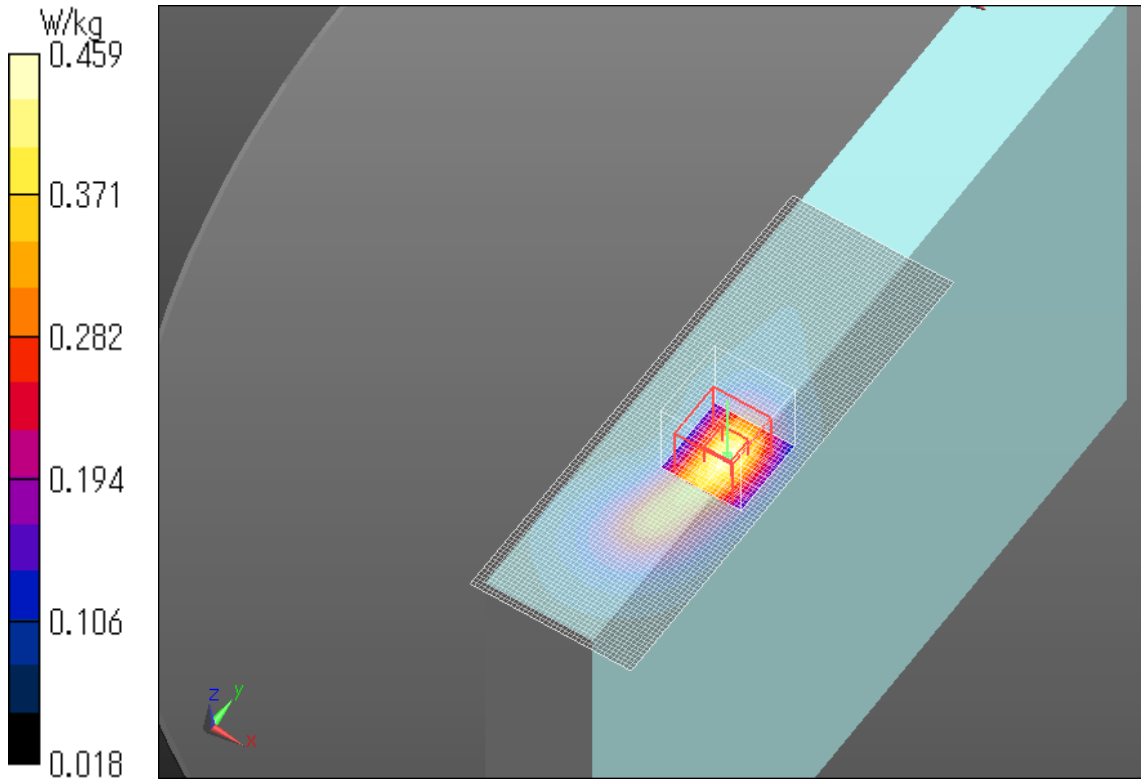
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.325 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.551 W/kg

SAR(1 g) = 0.339 W/kg; SAR(10 g) = 0.196 W/kg

Maximum value of SAR (measured) = 0.459 W/kg



Plot No.5

WCDMA Band IV Edge4 0mm Full Power 1732.6MHz

Communication System: UID 0, WCDMA (0); Communication System Band: Band IV; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.415$ S/m; $\epsilon_r = 53.024$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(8.04, 8.04, 8.04); Calibrated: 2013/06/04;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1372; Calibrated: 2013/06/03

Phantom: ELI v5.0 TP1207; Type: QDOVA002AA;

Measurement SW: DASYS2, Version 52.8 (7);

Area Scan (41x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.509 W/kg

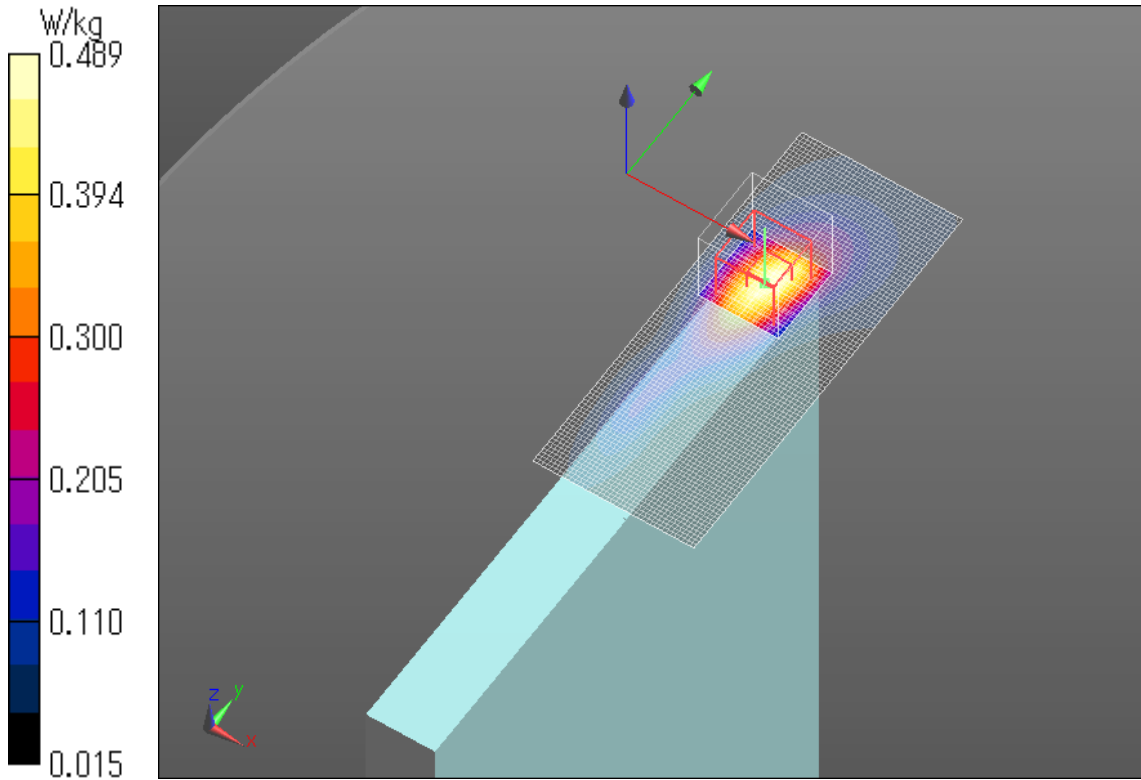
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.102 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.637 W/kg

SAR(1 g) = 0.349 W/kg; SAR(10 g) = 0.195 W/kg

Maximum value of SAR (measured) = 0.489 W/kg



Plot No.6