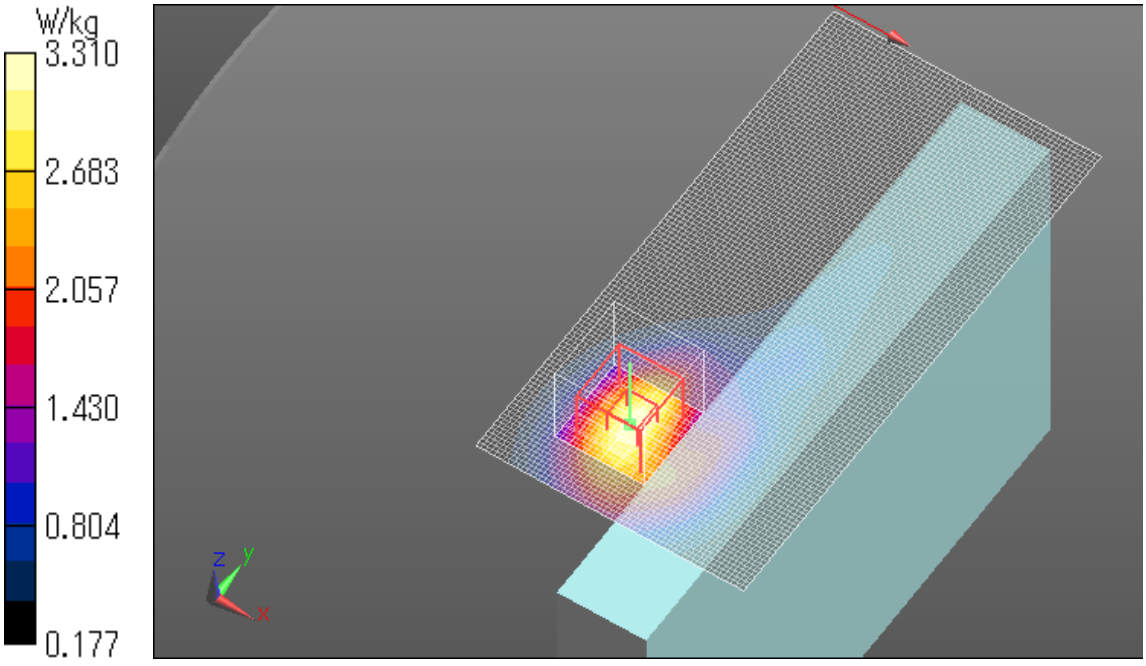
15.19 SAR test plots for Repeat Measurement

UHF-RFID Low ch Duty 100% Edge 1 Repeat 1

Communication System: UID 0, CW (0); Communication System Band: RFID900; Frequency: 902.75 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 902.75 MHz; σ = 1.038 S/m; ε_r = 54.935; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3922; ConvF(10.02, 10.02, 10.02); Calibrated: 2013/06/04;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1372; Calibrated: 2013/06/03
Phantom: ELI v5.0 TP1207; Type: QDOVA001BB; Serial: TP:1207
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.33 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 57.754 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 3.97 W/kg
SAR(1 g) = 2.57 W/kg; SAR(10 g) = 1.6 W/kg
Maximum value of SAR (measured) = 3.31 W/kg



Plot No.1

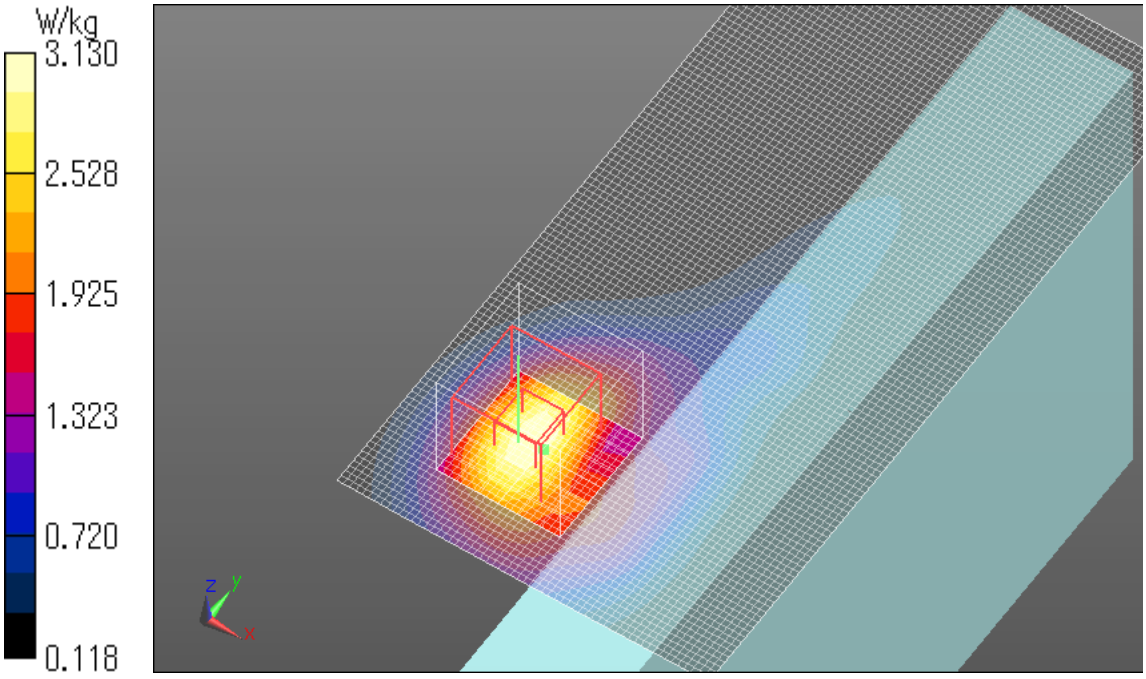
UHF-RFID Low ch Duty 100% Edge 1 Repeat 2
Communication System: UID 0, CW (0); Communication System Band: RFID900; Frequency: 902.75 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 902.75 MHz; σ = 1.038 S/m; ε_r = 54.935; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3922; ConvF(10.02, 10.02, 10.02); Calibrated: 2013/06/04;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1372; Calibrated: 2013/06/03
Phantom: ELI v5.0 TP1207; Type: QDOVA001BB; Serial: TP:1207
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.08 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 53.95 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.82 W/kg
SAR(1 g) = 2.46 W/kg; SAR(10 g) = 1.51 W/kg

Maximum value of SAR (measured) = 3.13 W/kg



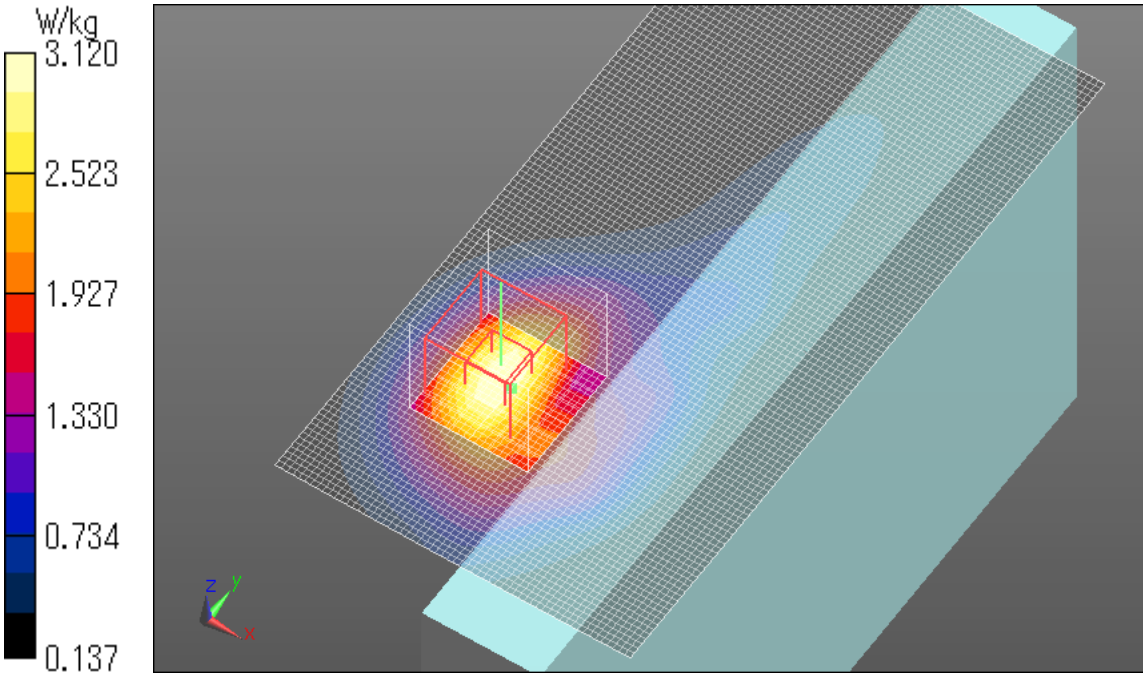
Plot No.2

UHF-RFID Low ch Duty 100% Edge 1 Repeat 2
Communication System: UID 0, CW (0); Communication System Band: RFID900; Frequency: 902.75 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 902.75 MHz; σ = 1.038 S/m; ε_r = 54.935; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3922; ConvF(10.02, 10.02, 10.02); Calibrated: 2013/06/04;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1372; Calibrated: 2013/06/03
Phantom: ELI v5.0 TP1207; Type: QDOVA001BB; Serial: TP:1207
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.09 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 53.94 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 3.80 W/kg
SAR(1 g) = 2.47 W/kg; SAR(10 g) = 1.54 W/kg
Maximum value of SAR (measured) = 3.12 W/kg



Plot No.3