14.3 SAR test plots for GSM1900

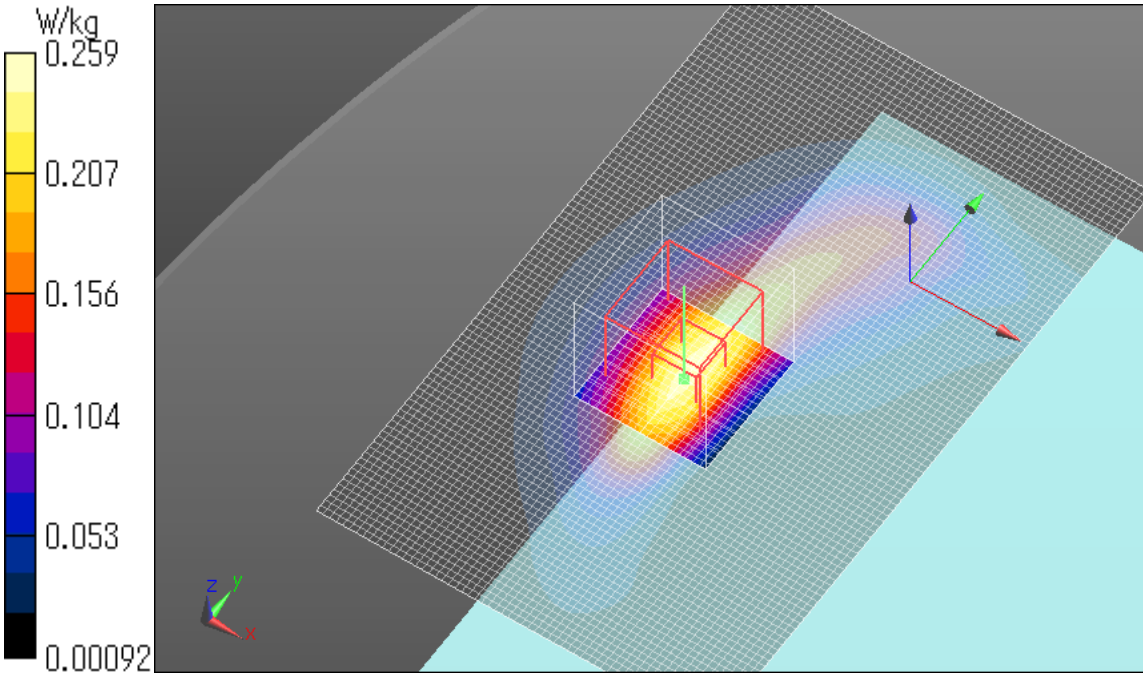
GSM1900 GPRS 2slot Main Ant Rear 0mm Reduced power 1850.2MHz
Communication System: UID 0, Generic GSM (0); Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1850.2 MHz; Duty Cycle: 1:4.19952
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.514 S/m; ε_r = 52.961; ρ = 1000 kg/m^3
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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.298 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.473 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.321 W/kg
SAR(1 g) = 0.189 W/kg; SAR(10 g) = 0.102 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.259 W/kg



Plot No.1

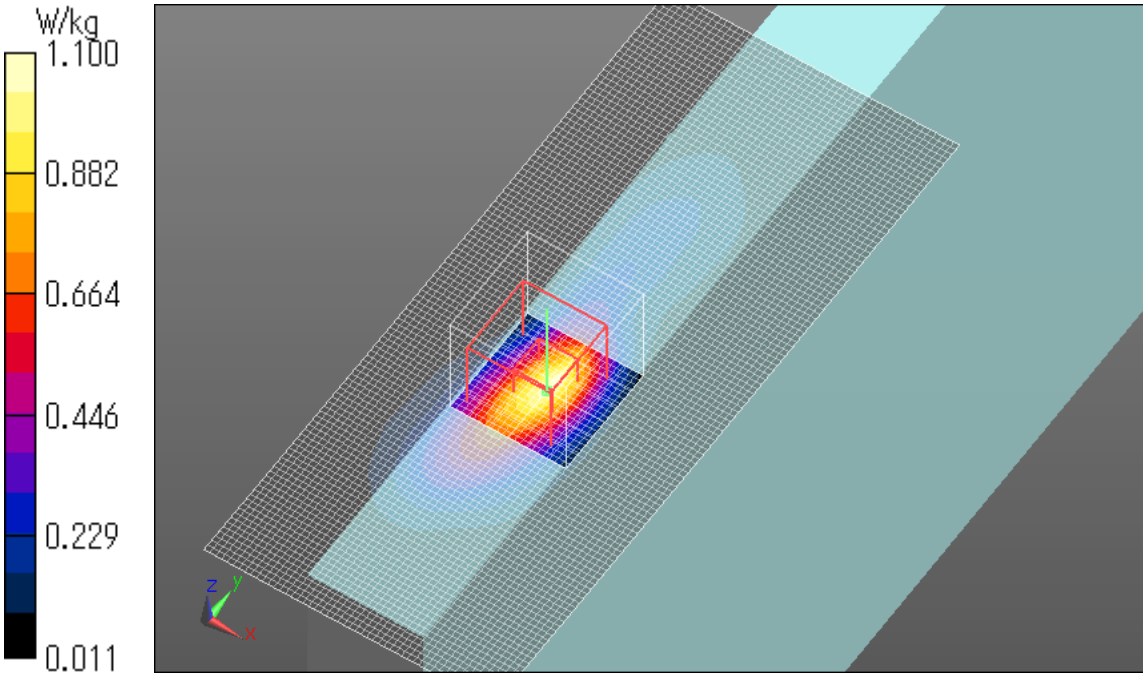
GSM1900 GPRS 2slot Main Ant Edge 1 0mm Reduced power 1850.2MHz
Communication System: UID 0, Generic GSM (0); Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1850.2 MHz; Duty Cycle: 1:4.19952
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.514 S/m; ε_r = 52.961; ρ = 1000 kg/m^3
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 (51x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.00 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.49 W/kg
SAR(1 g) = 0.702 W/kg; SAR(10 g) = 0.337 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.10 W/kg

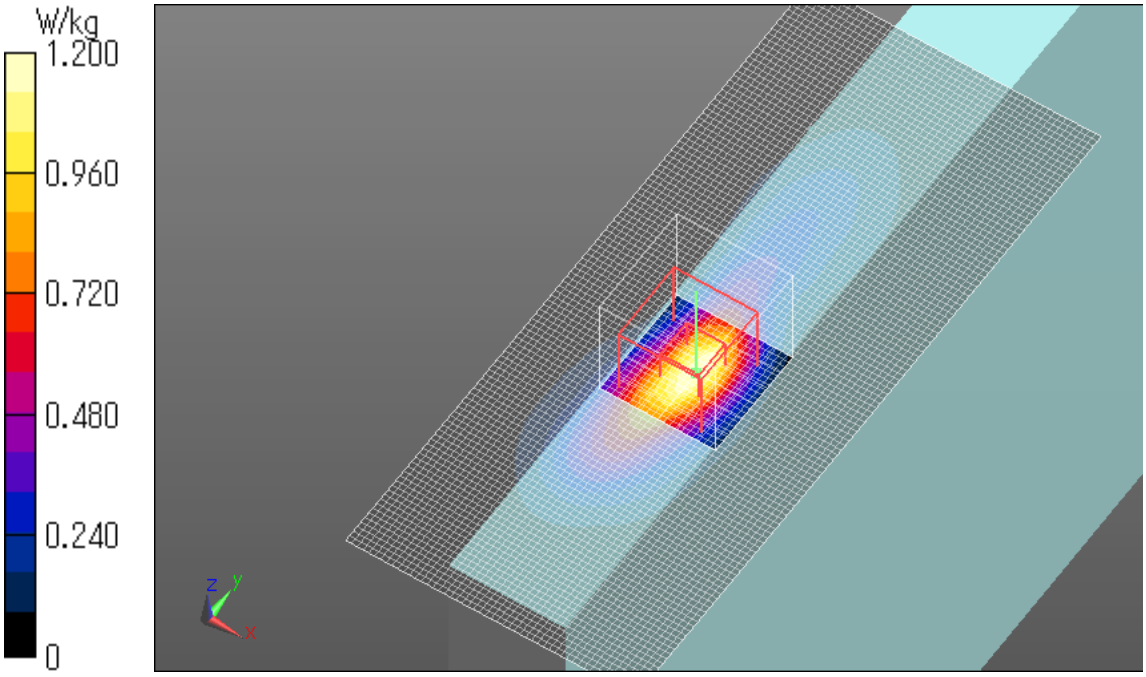


Plot No.2

GSM1900 GPRS 2slot Main Ant Edge 1 0mm Reduced power 1880.0MHz
Communication System: UID 0, Generic GSM (0); Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Duty Cycle: 1:4.19952
Medium parameters used: f = 1880 MHz; σ = 1.545 S/m; ε_r = 52.875; ρ = 1000 kg/m^3
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) = 1.20 W/kg

Edge1 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 29.402 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.72 W/kg
SAR(1 g) = 0.818 W/kg; SAR(10 g) = 0.387 W/kg
Maximum value of SAR (measured) = 1.28 W/kg

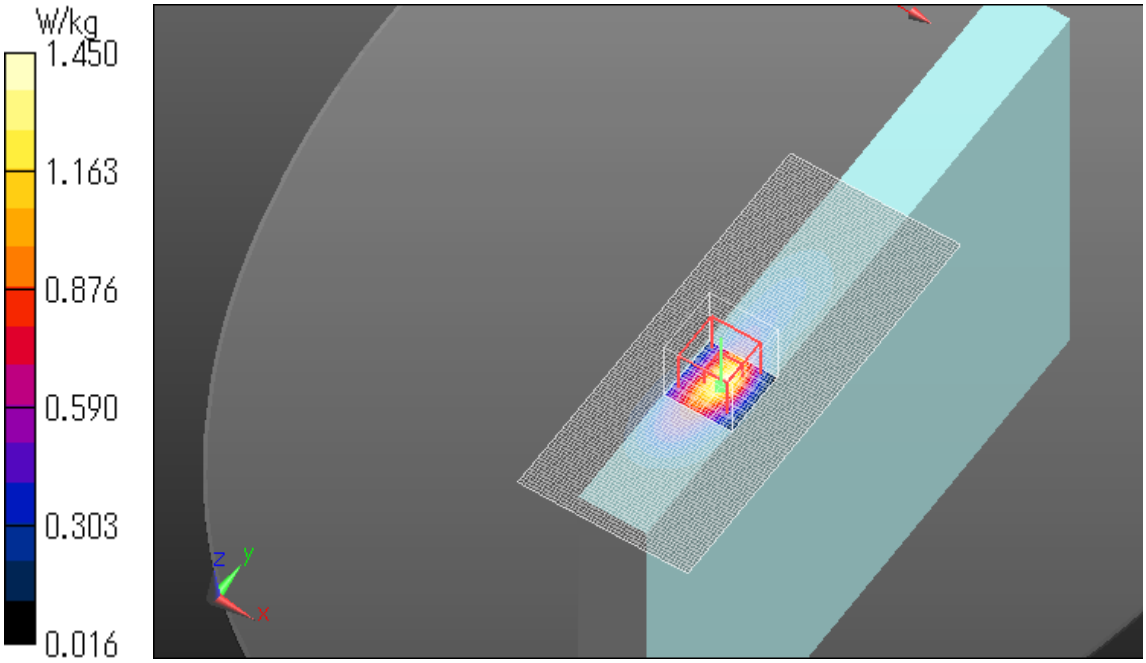


Plot No.3

GSM1900 GPRS 2slot Main Ant Edge 1 0mm Reduced power 1909.8MHz
Communication System: UID 0, Generic GSM (0); Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1909.8 MHz; Duty Cycle: 1:4.19952
Medium parameters used: f = 1910 MHz; σ = 1.579 S/m; ε_r = 52.786; ρ = 1000 kg/m^3
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 (51x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.22 W/kg

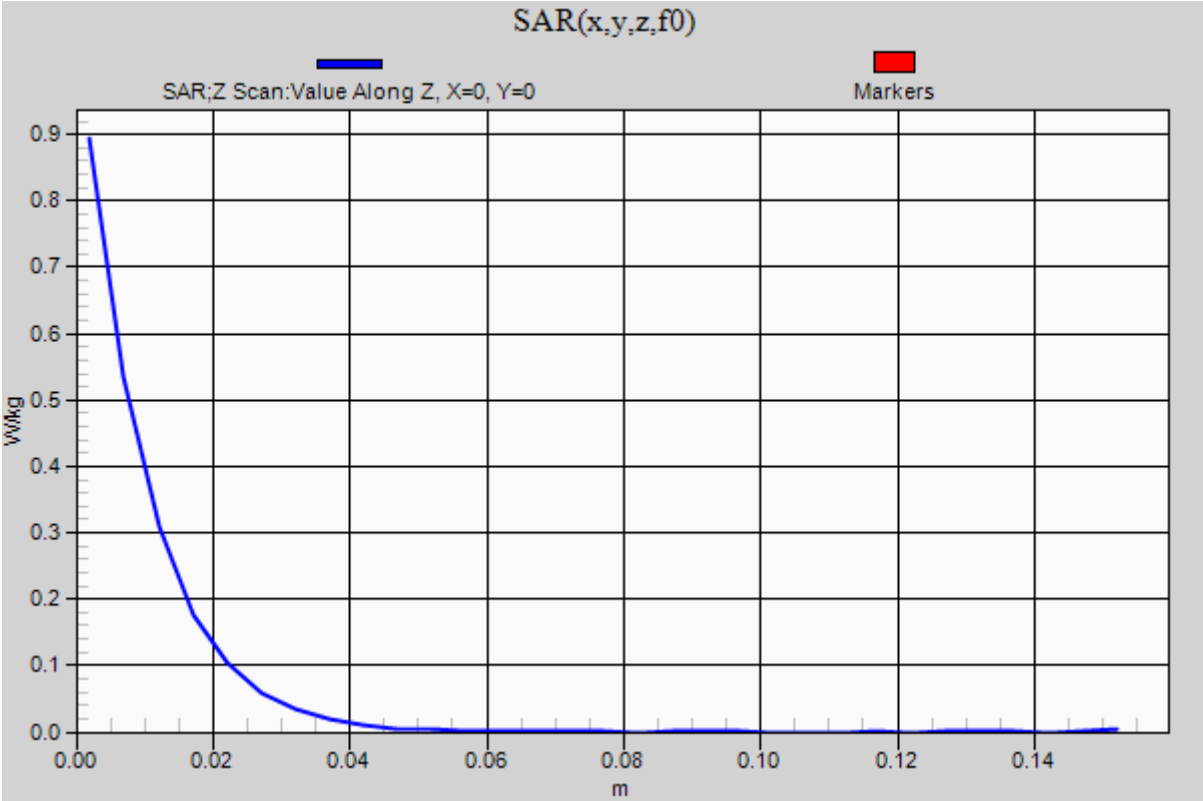
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 29.567 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.98 W/kg
SAR(1 g) = 0.948 W/kg; SAR(10 g) = 0.445 W/kg
Maximum value of SAR (measured) = 1.45 W/kg



Plot No.4

GSM1900 GPRS 2slot Main Ant Edge1 0mm Reduced power 1909.8MHz
Communication System: UID 0, Generic GSM (0); Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1909.8 MHz; Duty Cycle: 1:4.19952
Medium parameters used: f = 1910 MHz; σ = 1.579 S/m; ε_r = 52.786; ρ = 1000 kg/m^3
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)

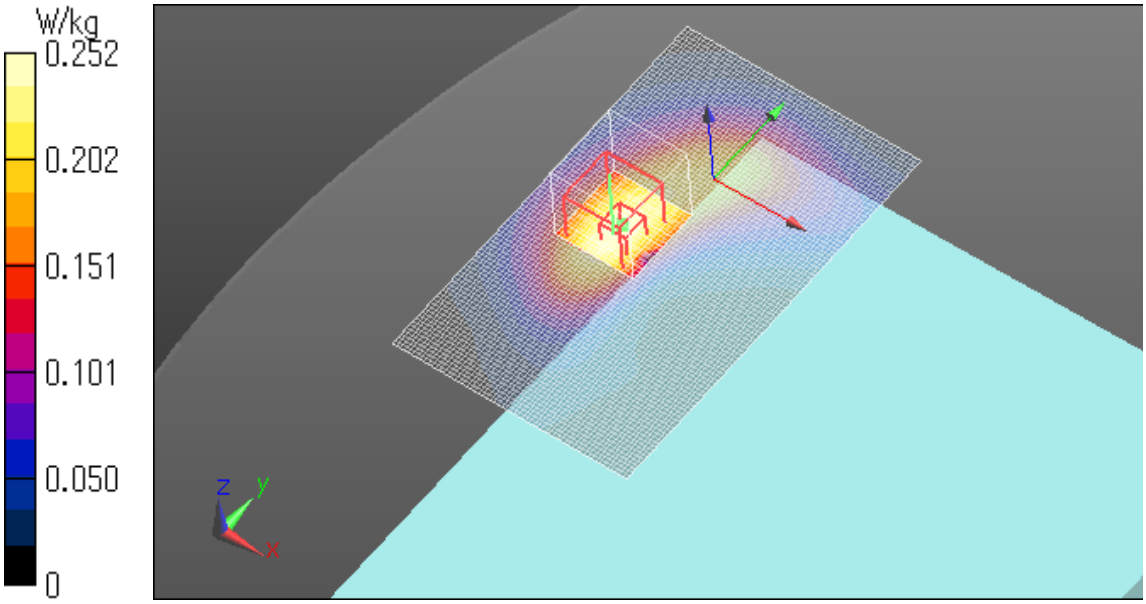
Z Scan (1x1x31): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.894 W/kg



GSM1900 GPRS 2slot Main Ant Rear 13mm Full power 1850.2MHz
Communication System: UID 0, Generic GSM (0); Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1850.2 MHz; Duty Cycle: 1:4.19952
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.514 S/m; ε_r = 52.961; ρ = 1000 kg/m^3
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 (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.254 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.116 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.316 W/kg
SAR(1 g) = 0.196 W/kg; SAR(10 g) = 0.121 W/kg
Maximum value of SAR (measured) = 0.252 W/kg

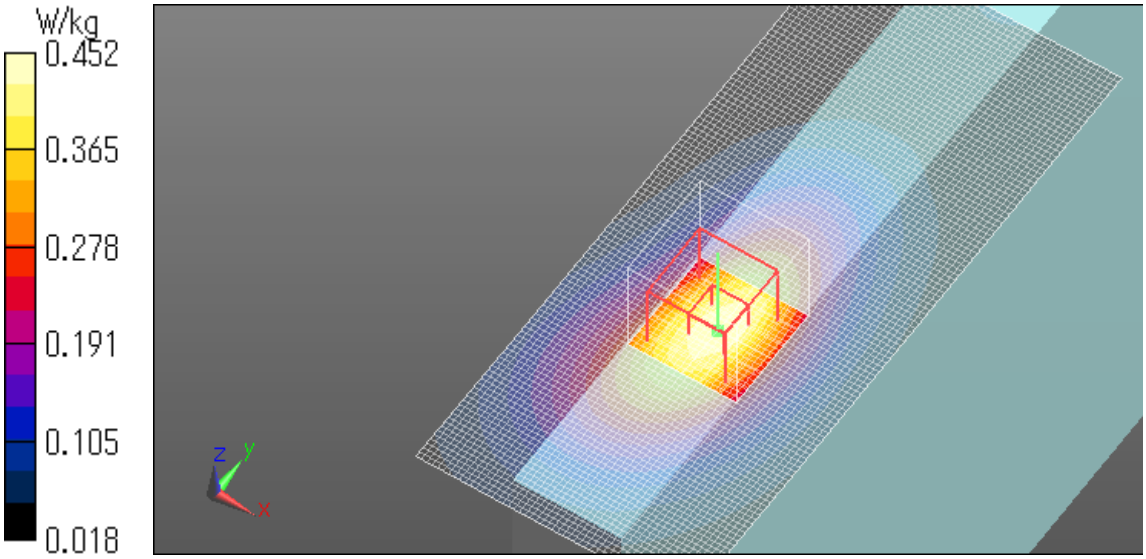


Plot No.5

GSM1900 GPRS 2slot Main Ant Edge 1 21mm Full power 1850.2MHz
Communication System: UID 0, Generic GSM (0); Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1850.2 MHz; Duty Cycle: 1:4.19952
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.514 S/m; ε_r = 52.961; ρ = 1000 kg/m^3
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 (51x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.430 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.110 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.545 W/kg
SAR(1 g) = 0.349 W/kg; SAR(10 g) = 0.214 W/kg
Maximum value of SAR (measured) = 0.452 W/kg



Plot No.6

GSM1900 GPRS 2slot Main Ant Edge 4 0mm Full power 1850.2MHz
Communication System: UID 0, Generic GSM (0); Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1850.2 MHz; Duty Cycle: 1:4.19952
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.514 S/m; ε_r = 52.961; ρ = 1000 kg/m^3
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)

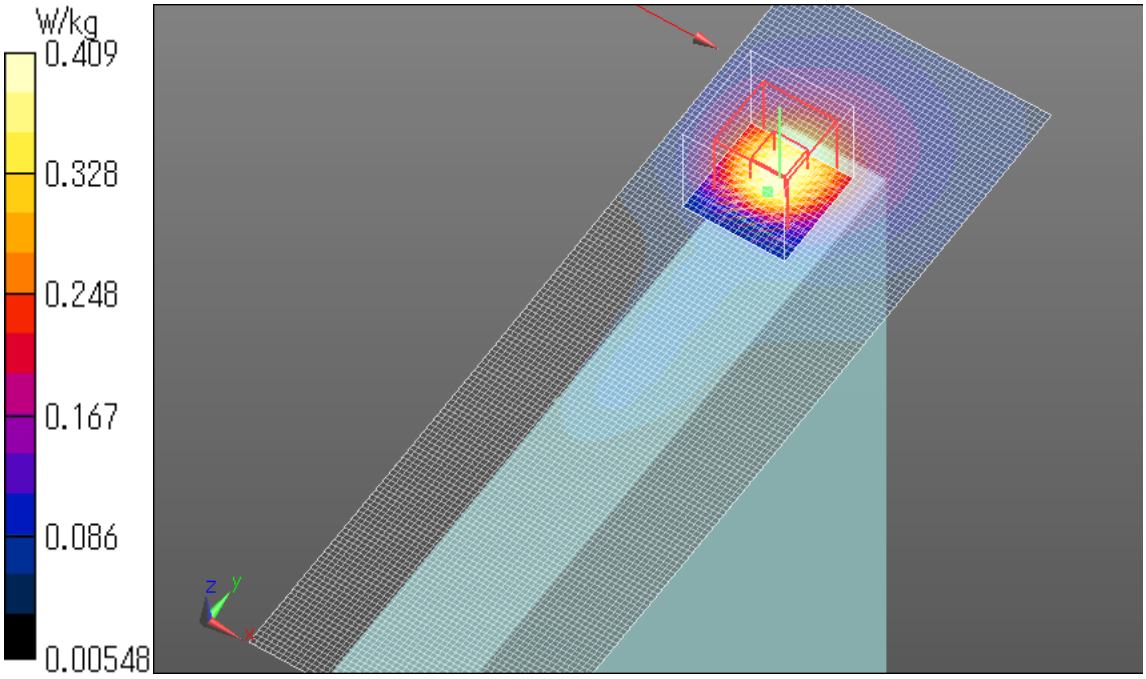
Area Scan (51x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.880 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.166 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.576 W/kg
SAR(1 g) = 0.297 W/kg; SAR(10 g) = 0.152 W/kg

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.409 W/kg



Plot No.7