

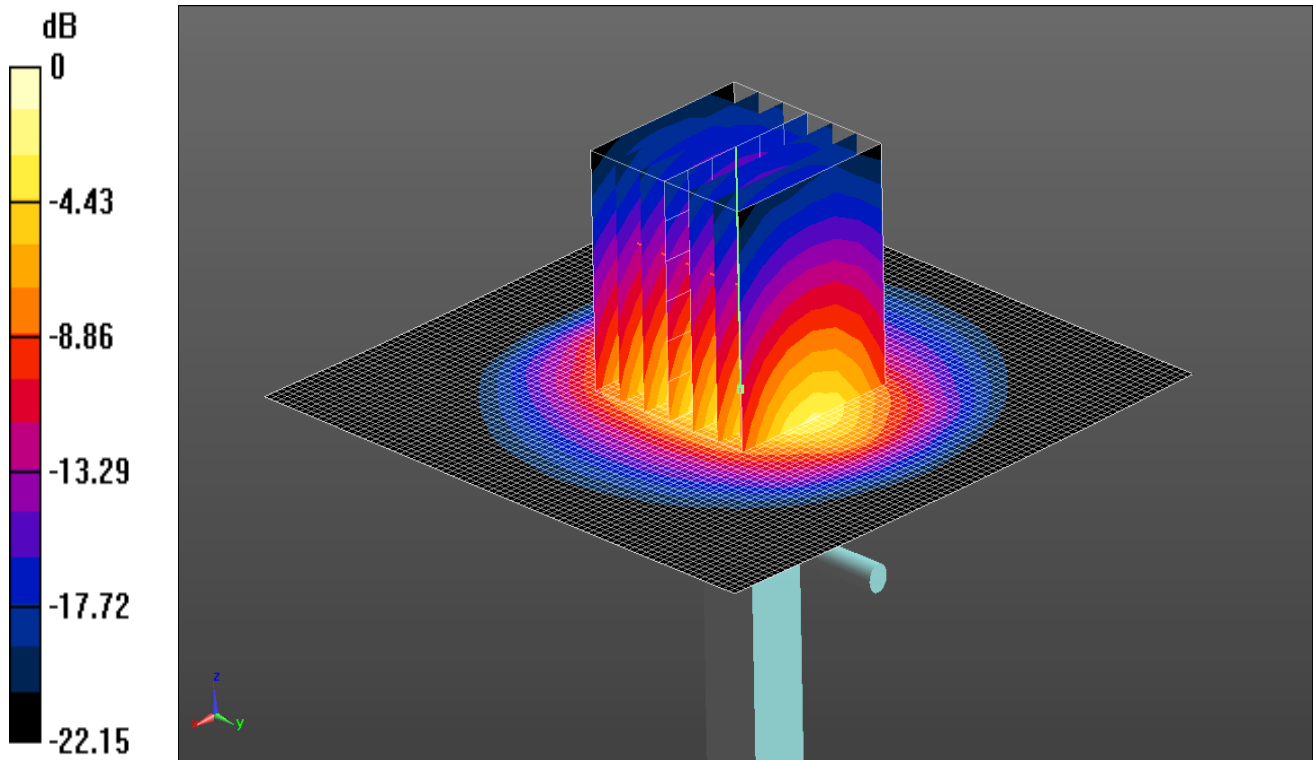
12.2. System Performance Checks

Scan Reference Number	Title
SYS/001	System Check 2450MHz Body 18 12 18 (Site 60)
SYS/002	System Check 5250MHz Body 18 12 18 (Site 60)

SYS/001: System Check 2450MHz Body 18 12 18 (Site 60)

Date: 18/12/2018

DUT: D2450V2 - SN725; Type: D2450V2; Serial: SN725



0 dB = 3.16 W/kg = 5.00 dBW/kg

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: 2450 - 5GHz 5% MHz MSL Medium parameters used (interpolated): $f = 2450$ MHz; $\sigma = 1.926$ S/m; $\epsilon_r = 54.369$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.69, 7.69, 7.69); Calibrated: 24/04/2018;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 06/02/2018
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 Ax; Serial: xxxx
- ; SEMCAD X Version 14.6.10 (7417)

Configuration/d=10mm, Pin=50mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 3.14 W/kg

Configuration/d=10mm, Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 37.72 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 4.95 W/kg

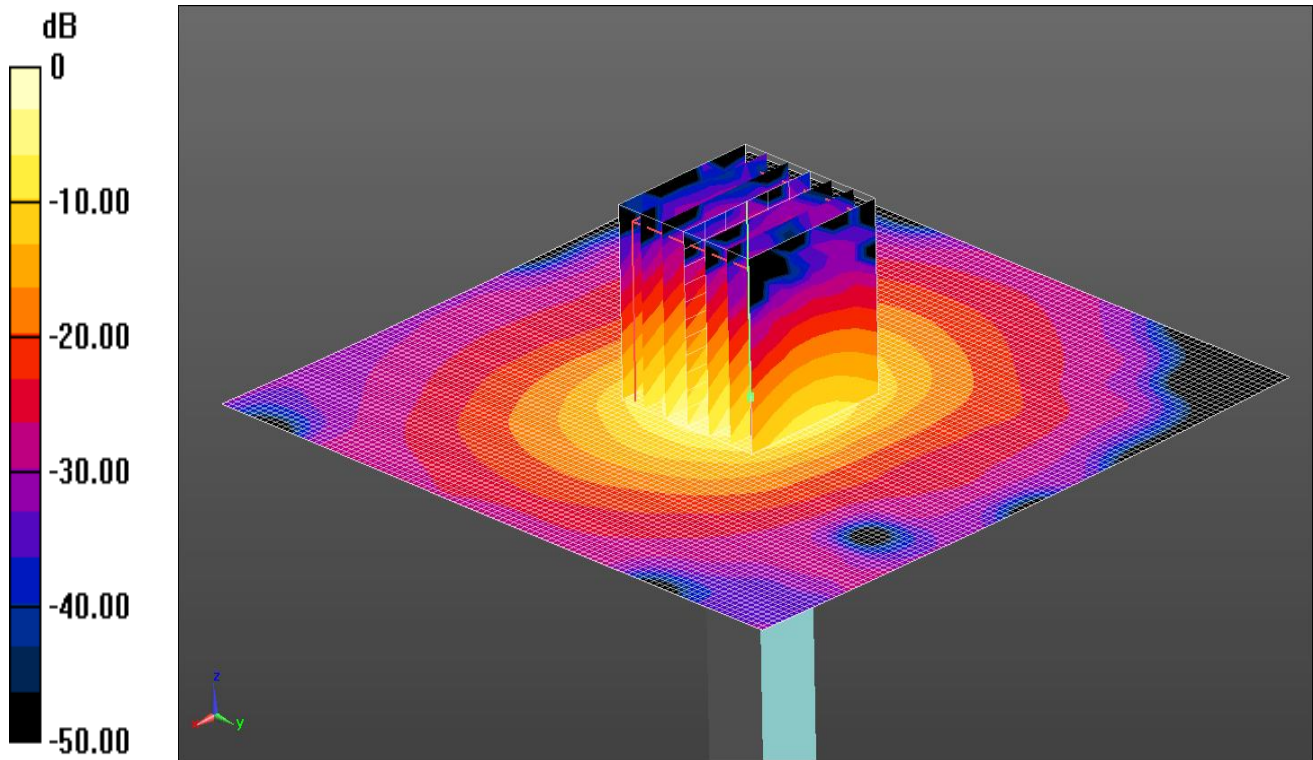
SAR(1 g) = 2.38 W/kg; SAR(10 g) = 1.09 W/kg

Maximum value of SAR (measured) = 3.16 W/kg

SYS/002: System Check 5250MHz Body 18 12 18 (Site 60)

Date: 18/12/2018

DUT: D5GHzV2 - SN1016; Type: D5GHzV2; Serial: SN1016



0 dB = 9.52 W/kg = 9.79 dBW/kg

Communication System: UID 0, CW (0); Frequency: 5250 MHz; Duty Cycle: 1:1

Medium: 2450 - 5GHz 5% MHz MSL Medium parameters used (interpolated): $f = 5250$ MHz; $\sigma = 5.363$ S/m; $\epsilon_r = 49.31$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(4.78, 4.78, 4.78); Calibrated: 24/04/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 06/02/2018
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 Ax; Serial: xxxx
- ; SEMCAD X Version 14.6.10 (7417)

Configuration/d=10mm, Pin=50mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 9.19 W/kg

Configuration/d=10mm, Pin=50mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 28.93 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 15.3 W/kg

SAR(1 g) = 3.7 W/kg; SAR(10 g) = 1.04 W/kg

Maximum value of SAR (measured) = 9.52 W/kg

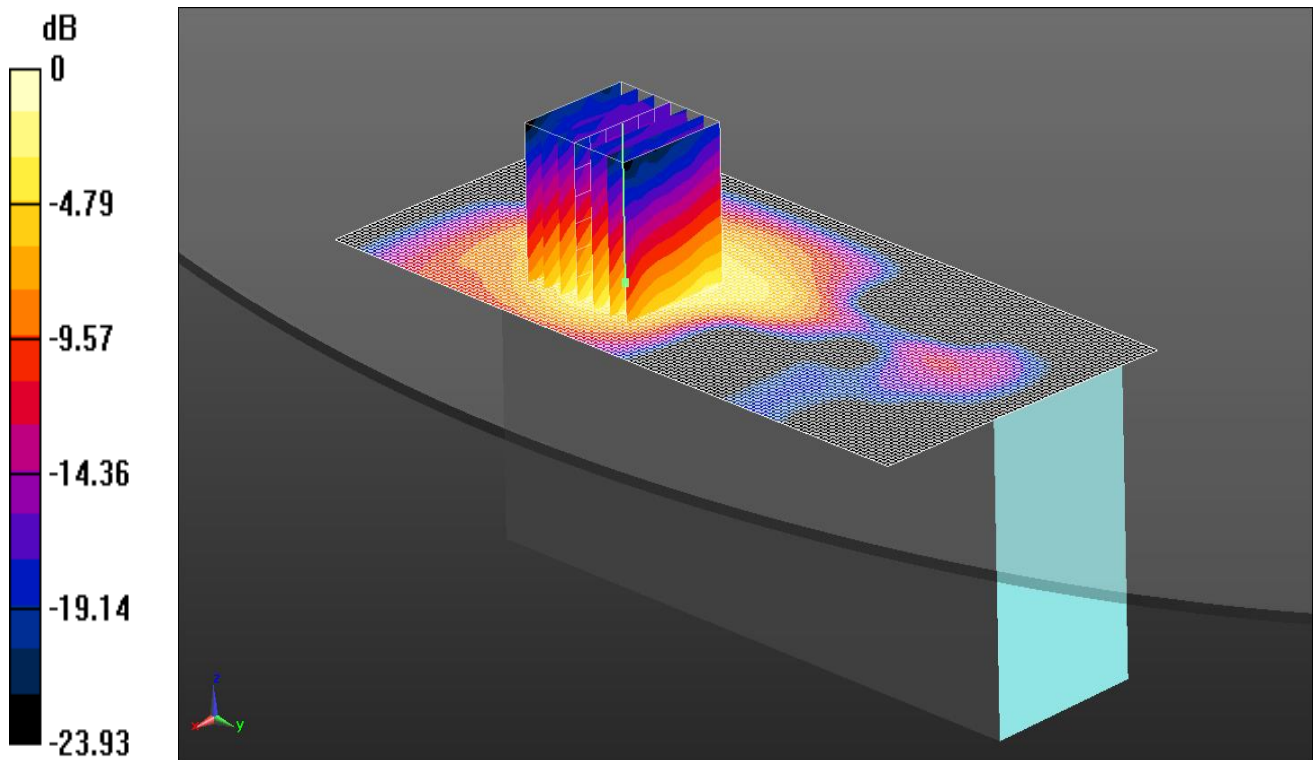
12.3. SAR Distribution Plots

Scan Reference Number	Title
SAR/001	Edge 1 0mm WiFi 2.4 802.11b TX2 SISO CH2
SAR/002	Edge 1 0mm WiFi 5.3 802.11a TX2 SISO CH60

SAR/001: Edge 1 0mm WiFi 2.4 802.11b TX2 SISO CH2

Date: 19/12/2018

DUT: Grundium Oy.; Type: Portable Digital Microscope and Scanner; Model No: OCUS



0 dB = 0.377 W/kg = -4.24 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 2417 MHz; Duty Cycle: 1:1

Medium: 2450 - 5GHz 5% MHz MSL Medium parameters used (interpolated): $f = 2417$ MHz; $\sigma = 1.892$ S/m; $\epsilon_r = 54.436$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.69, 7.69, 7.69); Calibrated: 24/04/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 06/02/2018
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 Ax; Serial: xxxx
- ; SEMCAD X Version 14.6.10 (7417)

Configuration/Edge 1/Area Scan (71x141x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.377 W/kg

Configuration/Edge 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.46 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.475 W/kg

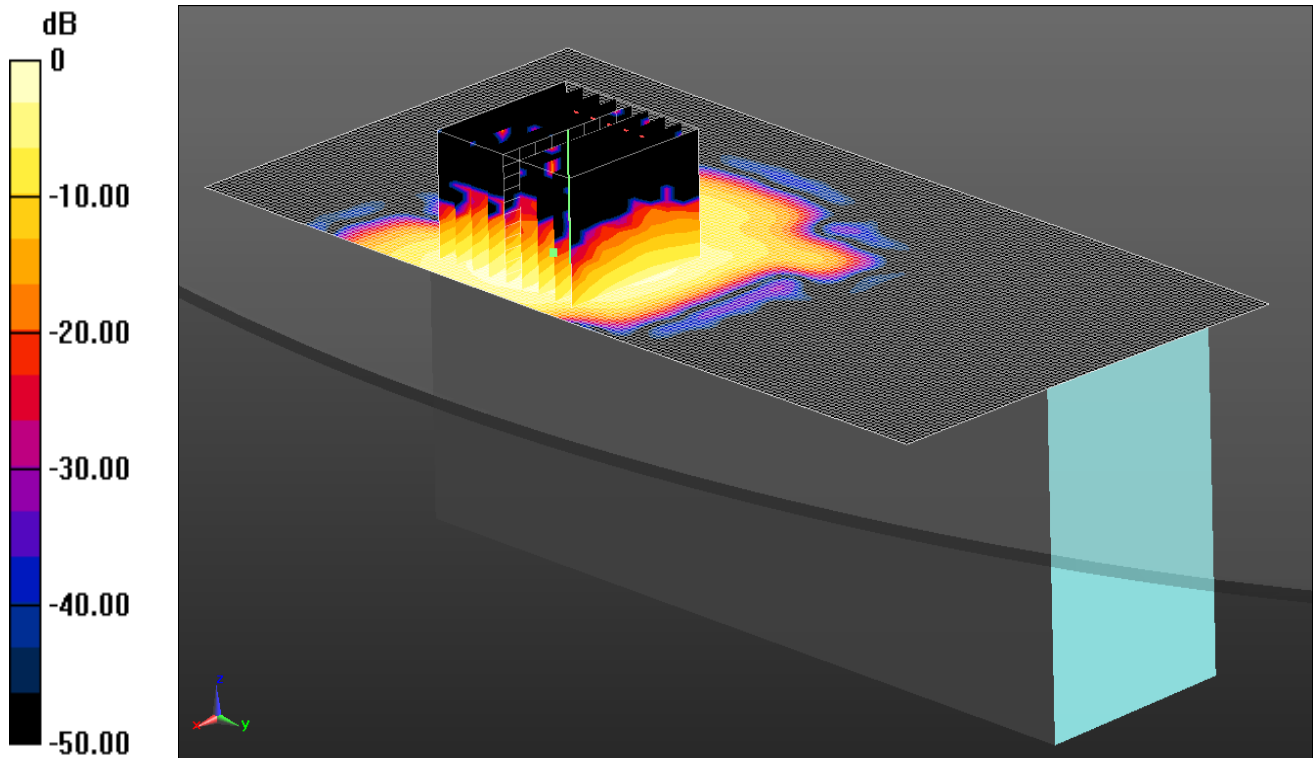
SAR(1 g) = 0.234 W/kg; SAR(10 g) = 0.116 W/kg

Maximum value of SAR (measured) = 0.377 W/kg

SAR/002: Edge 1 0mm WiFi 5.3 802.11a TX2 SISO CH60

Date: 19/12/2018

DUT: Grundium Oy.; Type: Portable Digital Microscope and Scanner; Model No: OCUS



0 dB = 0.484 W/kg = -3.15 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: 2450 - 5GHz 5% MSL Medium parameters used: $f = 5300$ MHz; $\sigma = 5.44$ S/m; $\epsilon_r = 49.082$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(4.78, 4.78, 4.78); Calibrated: 24/04/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 06/02/2018
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 Ax; Serial: xxxx
- ; SEMCAD X Version 14.6.10 (7417)

Configuration/Edge 1/Area Scan (91x171x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.486 W/kg

Configuration/Edge 1/Zoom Scan (9x9x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 10.77 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.765 W/kg

SAR(1 g) = 0.222 W/kg; SAR(10 g) = 0.087 W/kg

Maximum value of SAR (measured) = 0.484 W/kg