



Appendix A. *Plots of System Performance Check*

The plots are shown as follows.

System Check_Body_2450MHz_140421**DUT: D2450V2 - SN:736**

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: MSL_2450_140421 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.941$ mho/m; $\epsilon_r =$

50.933 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7, 7, 7); Calibrated: 2013.06.20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (81x81x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 19.018 mW/g

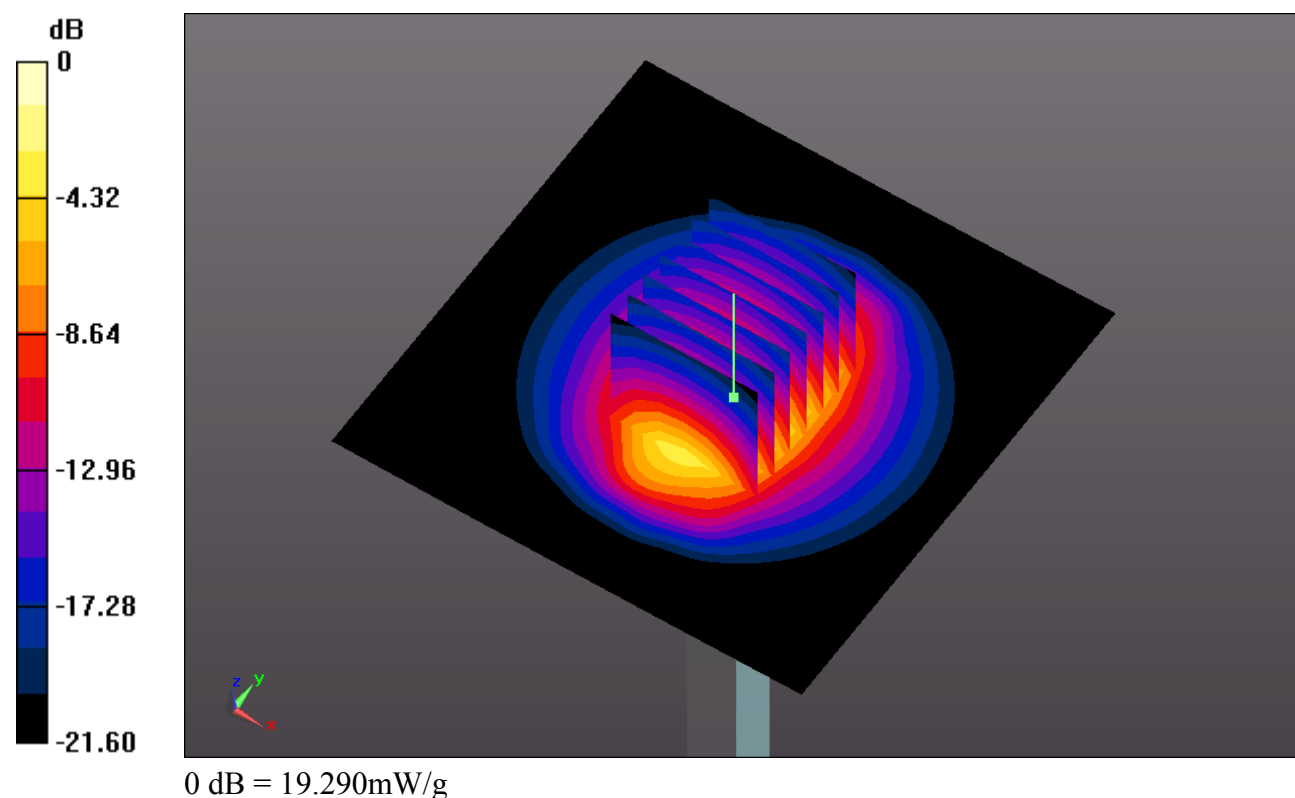
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 86.358 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 25.911 W/kg

SAR(1 g) = 12.7 mW/g; SAR(10 g) = 5.94 mW/g

Maximum value of SAR (measured) = 19.287 mW/g



System Check_Body_5200MHz_140506**DUT: D5GHzV2-SN:1006**

Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: MSL_5000_140506 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.264$ mho/m; $\epsilon_r =$

48.303 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(4.62, 4.62, 4.62); Calibrated: 2013.06.20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.4.5 (3634)

Pin=100mW/Area Scan (71x71x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 17.251 mW/g

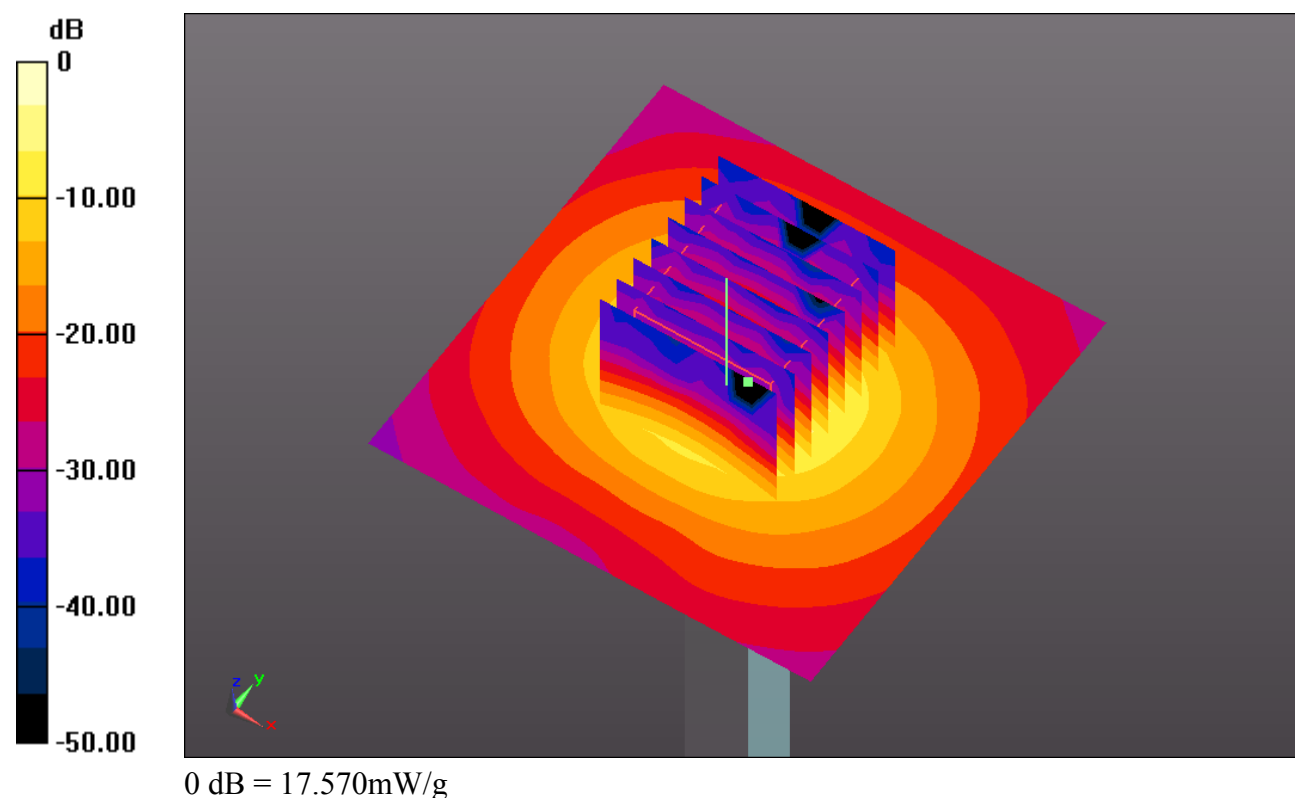
Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 40.284 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 31.272 W/kg

SAR(1 g) = 7.3 mW/g; SAR(10 g) = 2.05 mW/g

Maximum value of SAR (measured) = 17.570 mW/g



System Check_Body_5300MHz_140506**DUT: D5GHzV2-SN:1006**

Communication System: CW; Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: MSL_5000_140506 Medium parameters used: $f = 5300$ MHz; $\sigma = 5.404$ mho/m; $\epsilon_r =$

48.094; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(4.35, 4.35, 4.35); Calibrated: 2013.06.20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.4.5 (3634)

Pin=100mW/Area Scan (71x71x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 17.773 mW/g

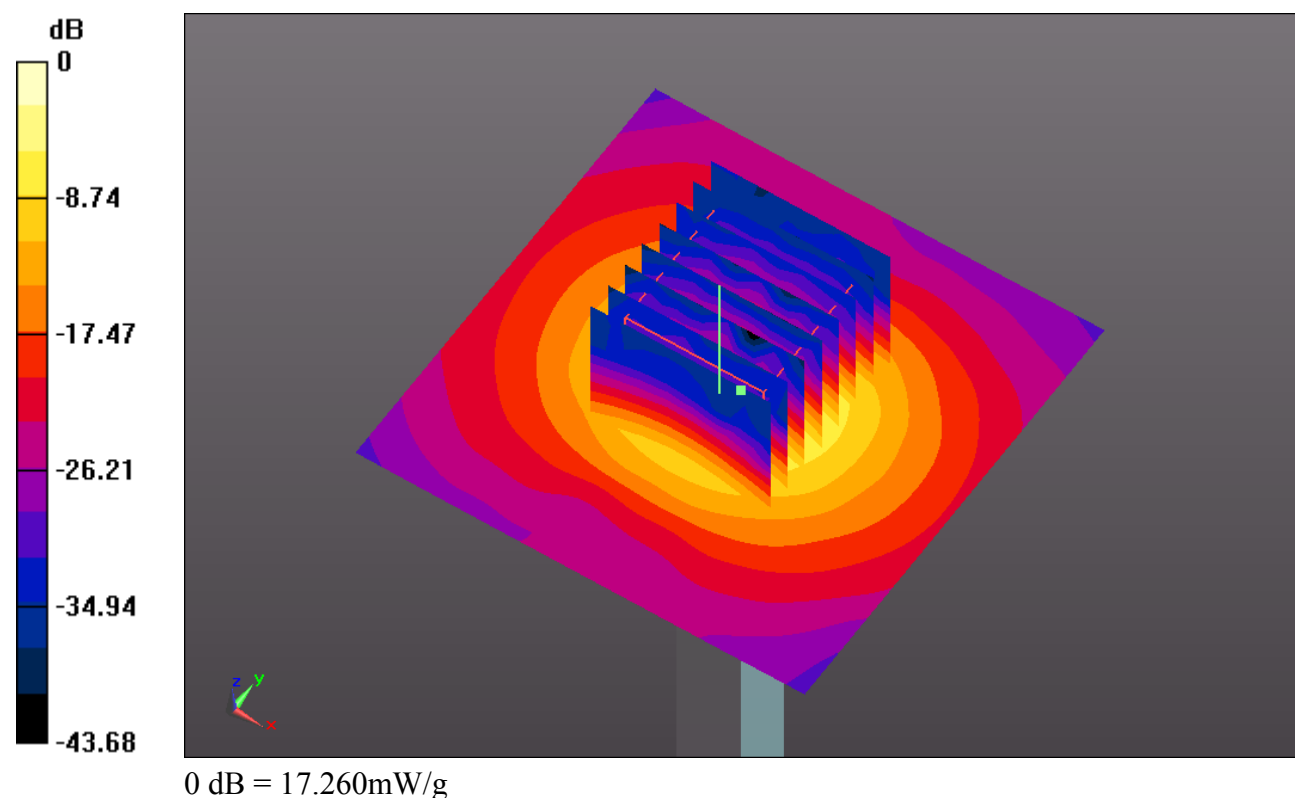
Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 39.723 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 30.611 W/kg

SAR(1 g) = 7.19 mW/g; SAR(10 g) = 2 mW/g

Maximum value of SAR (measured) = 17.258 mW/g



System Check_Body_5600MHz_140506**DUT: D5GHzV2-SN:1006**

Communication System: CW; Frequency: 5600 MHz; Duty Cycle: 1:1

Medium: MSL_5000_140506 Medium parameters used: $f = 5600$ MHz; $\sigma = 5.834$ mho/m; $\epsilon_r =$

47.448; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(4.02, 4.02, 4.02); Calibrated: 2013.06.20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.4.5 (3634)

Pin=100mW/Area Scan (71x71x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 19.076 mW/g

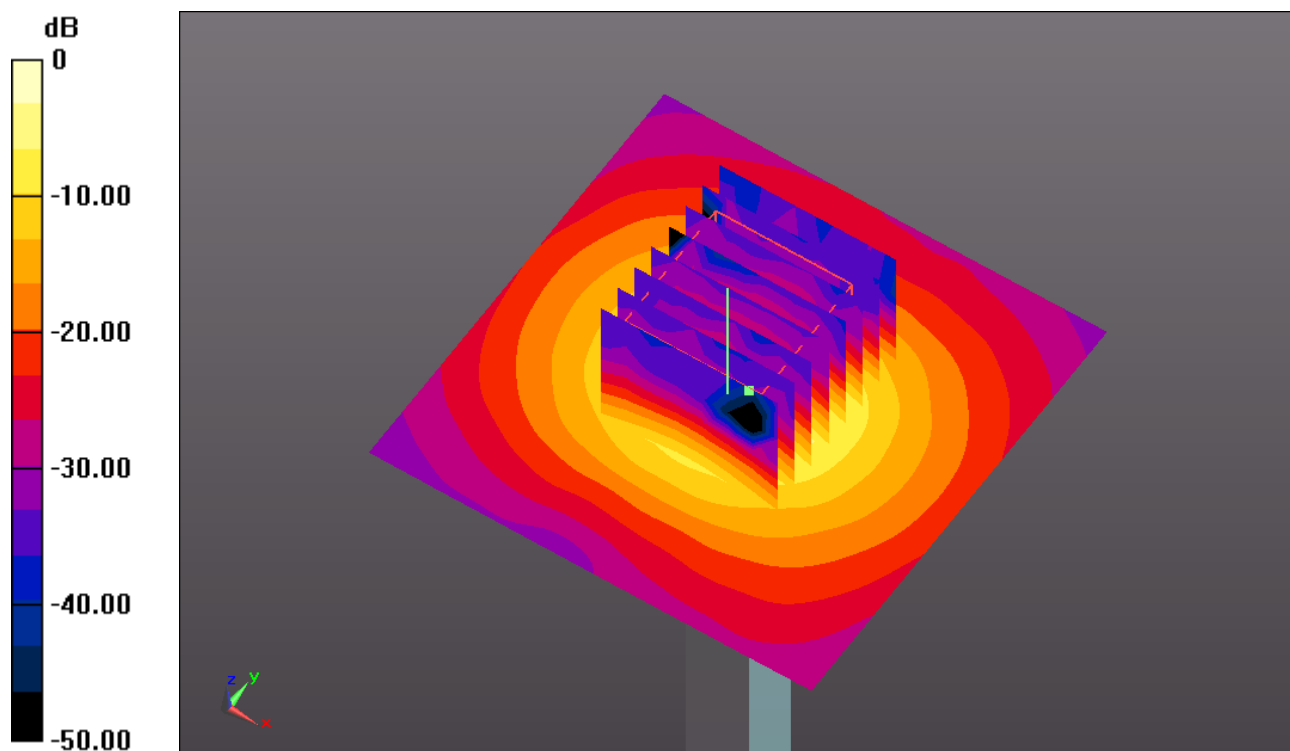
Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 37.922 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 36.306 W/kg

SAR(1 g) = 7.56 mW/g; SAR(10 g) = 2.1 mW/g

Maximum value of SAR (measured) = 19.026 mW/g



0 dB = 19.030mW/g

System Check_Body_5800MHz_140506**DUT: D5GHzV2-SN:1006**

Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium: MSL_5000_140506 Medium parameters used: $f = 5800$ MHz; $\sigma = 6.096$ mho/m; $\epsilon_r =$

46.929; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(4.48, 4.48, 4.48); Calibrated: 2013.06.20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.4.5 (3634)

Pin=100mW/Area Scan (71x71x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 18.397 mW/g

Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 35.773 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 36.675 W/kg

SAR(1 g) = 7.27 mW/g; SAR(10 g) = 2.03 mW/g

Maximum value of SAR (measured) = 18.142 mW/g

