



# Appendix A

## Detailed System Validation Results

1. System Performance Check for Head and Body
System Performance Check 750 MHz Head and Body
System Performance Check 835 MHz Head and Body
System Performance Check 1750 MHz Head and Body
System Performance Check 1900MHz Head and Body
System Performance Check 2450 MHz Head and Body
System Performance Check 2600 MHz Head and Body

Test Laboratory: SGS-SAR Lab

### System Performance Check 750 MHz Body

**DUT: D750V3; Type: D750V3; Serial: 1160**

Communication System: UID 0, CW (0); Frequency: 750 MHz;Duty Cycle: 1:1

Medium: MSL750;Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.947$  S/m;  $\epsilon_r = 55.841$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(10.82, 10.82, 10.82); Calibrated: 2017/8/24;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017/11/28
- Phantom: Twin phantom; Type: SAM1; Serial: 1141
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Body/d=15mm, Pin=250mW/Area Scan (61x121x1):** Interpolated grid:

$dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 2.64 W/kg

**Body/d=15mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:**

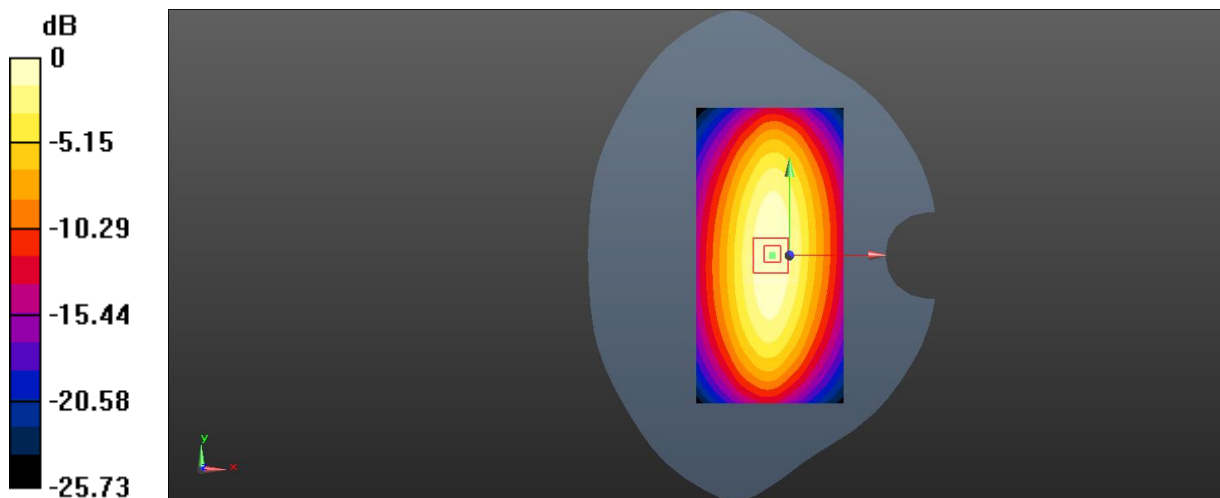
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 46.98 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 3.11 W/kg

**SAR(1 g) = 2.11 W/kg; SAR(10 g) = 1.4 W/kg**

Maximum value of SAR (measured) = 2.63 W/kg



0 dB = 2.63 W/kg = 4.18 dBW/kg

Test Laboratory: SGS-SAR Lab

### System Performance Check 750 MHz Head

**DUT: D750V3; Type: D750V3; Serial: 1160**

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.888$  S/m;  $\epsilon_r = 40.956$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(10.8, 10.8, 10.8); Calibrated: 2017/8/24;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017/11/28
- Phantom: Twin phantom; Type: SAM1; Serial: 1141
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Body/d=15mm, Pin=250mW/Area Scan (61x121x1):** Interpolated grid:

$dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 2.17 W/kg

**Body/d=15mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:**

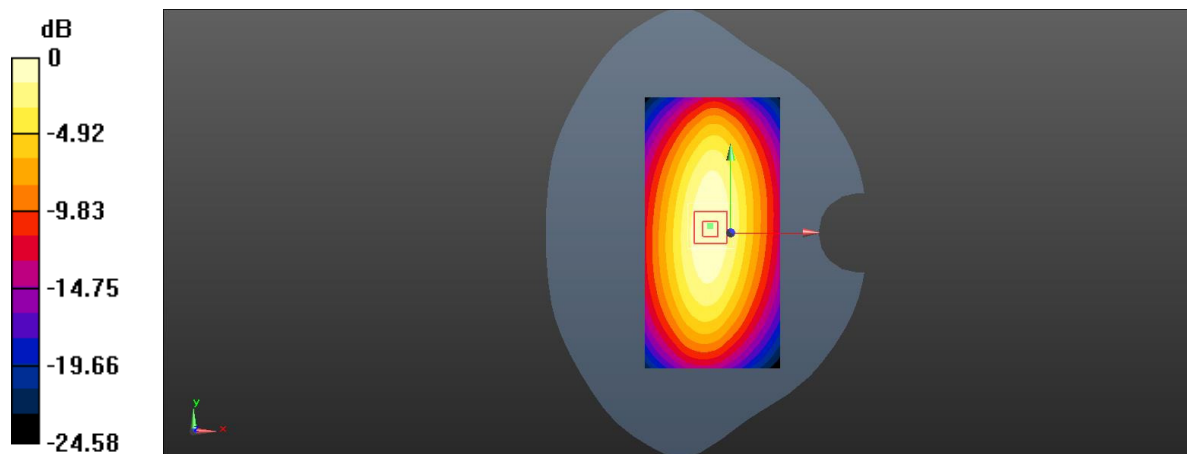
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 48.71 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 2.99 W/kg

**SAR(1 g) = 1.99 W/kg; SAR(10 g) = 1.32 W/kg**

Maximum value of SAR (measured) = 2.14 W/kg



0 dB = 2.17 W/kg = 3.34 dBW/kg

Test Laboratory: SGS-SAR Lab

### System Performance Check 835 MHz Body

**DUT: D835V2; Type: D835V2; Serial: 4d105**

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium: MSL835; Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.987$  S/m;  $\epsilon_r = 54.389$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(10.58, 10.58, 10.58); Calibrated: 2017/8/24;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017/11/28
- Phantom: Twin phantom; Type: SAM1; Serial: 1141
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Body/d=15mm, Pin=250mW/Area Scan (61x121x1):** Interpolated grid:

$dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 3.04 W/kg

**Body/d=15mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:**

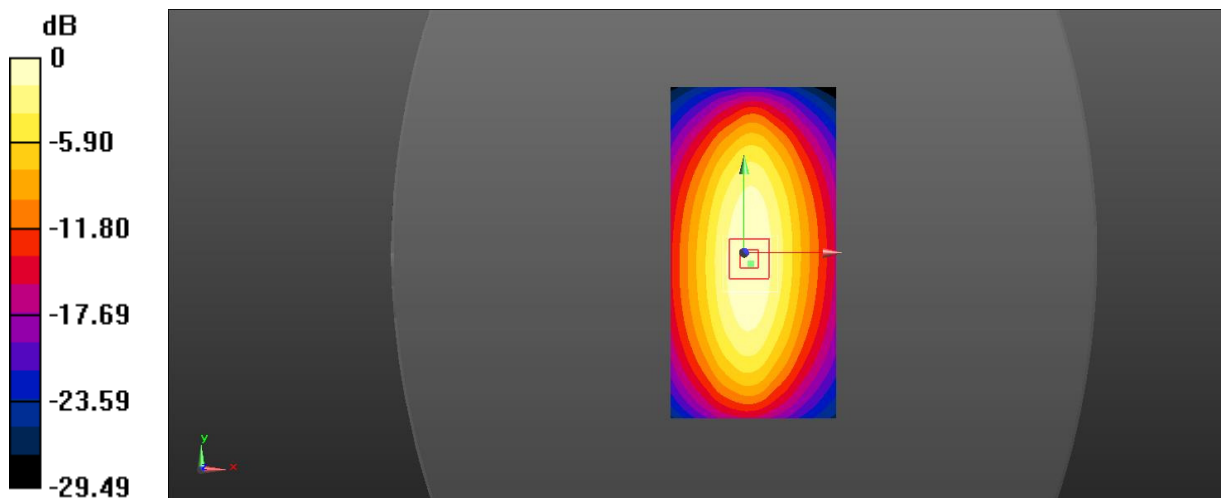
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 51.01 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.61 W/kg

**SAR(1 g) = 2.43 W/kg; SAR(10 g) = 1.58 W/kg**

Maximum value of SAR (measured) = 3.07 W/kg



0 dB = 3.04 W/kg = 4.83 dBW/kg

Date: 2018/2/10

Test Laboratory: SGS-SAR Lab

### System Performance Check 835 MHz Body-2

**DUT: D835V2; Type: D835V2; Serial: 4d105**

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium: MSL835; Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.986$  S/m;  $\epsilon_r = 54.789$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(10.58, 10.58, 10.58); Calibrated: 2017/8/24;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017/11/28
- Phantom: Twin phantom; Type: SAM1; Serial: 1141
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Body/d=15mm, Pin=250mW/Area Scan (61x121x1):** Interpolated grid:

$dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 3.12 W/kg

**Body/d=15mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:**

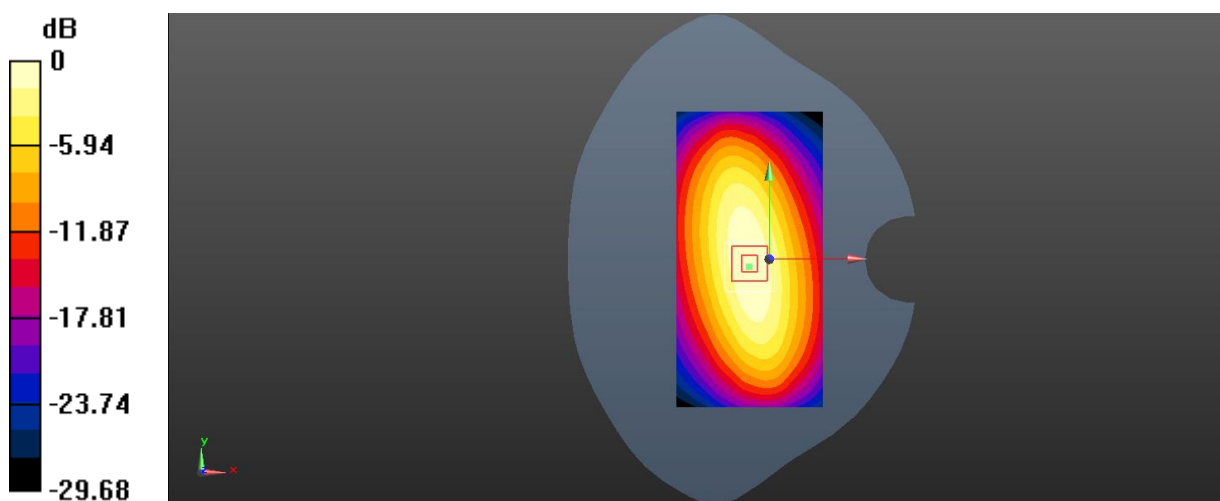
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 50.72 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.63 W/kg

**SAR(1 g) = 2.45 W/kg; SAR(10 g) = 1.61 W/kg**

Maximum value of SAR (measured) = 3.11 W/kg



0 dB = 3.12 W/kg = 4.95 dBW/kg

Test Laboratory: SGS-SAR Lab

### System Performance Check 835 MHz Head

**DUT: D835V2; Type: D835V2; Serial: 4d105**

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.892$  S/m;  $\epsilon_r = 42.134$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(10.5, 10.5, 10.5); Calibrated: 2017/8/24;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017/11/28
- Phantom: Twin phantom; Type: SAM1; Serial: 1141
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Body/d=15mm, Pin=250mW/Area Scan (61x121x1):** Interpolated grid:

$dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 3.02 W/kg

**Body/d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement

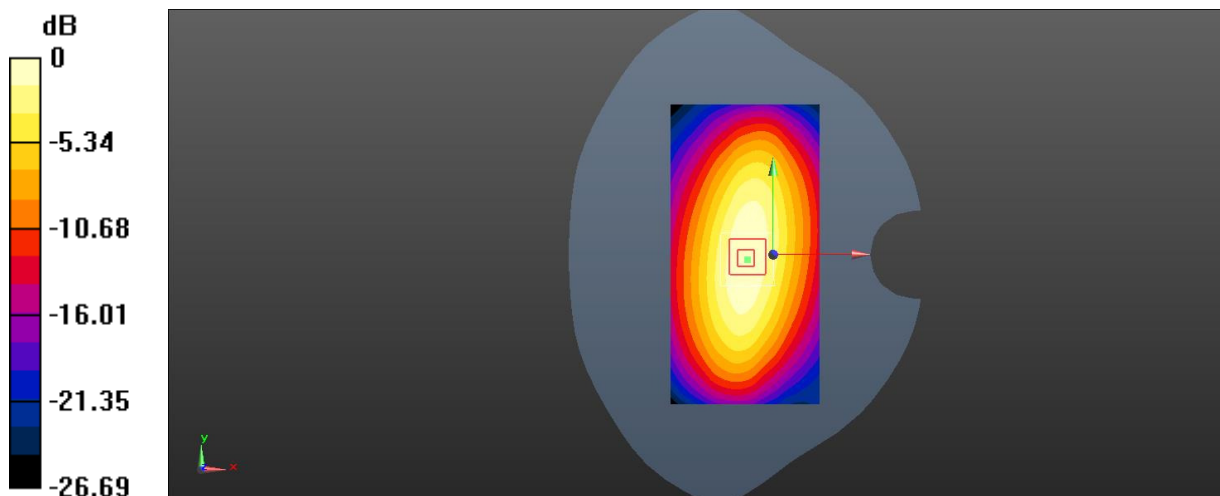
grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 55.67 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 3.52 W/kg

**SAR(1 g) = 2.41 W/kg; SAR(10 g) = 1.57 W/kg**

Maximum value of SAR (measured) = 3.01 W/kg



0 dB = 3.02 W/kg = 4.81 dBW/kg

Test Laboratory: SGS-SAR Lab

### System Performance Check 835 MHz Head-2

**DUT: D835V2; Type: D835V2; Serial: 4d105**

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.896$  S/m;  $\epsilon_r = 42.313$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(10.5, 10.5, 10.5); Calibrated: 2017/8/24;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017/11/28
- Phantom: Twin phantom; Type: SAM1; Serial: 1141
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Body/d=15mm, Pin=250mW/Area Scan (61x121x1):** Interpolated grid:

$dx=1.500$  mm,  $dy=1.500$  mm

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

**Body/d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement

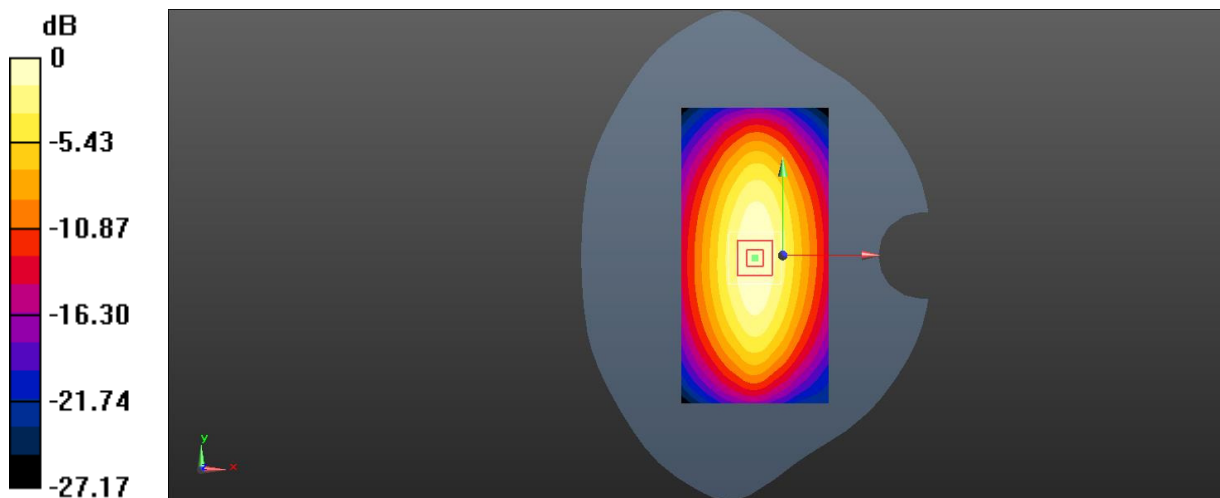
grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 55.27 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 3.48 W/kg

**SAR(1 g) = 2.42 W/kg; SAR(10 g) = 1.61 W/kg**

Maximum value of SAR (measured) = 3.02 W/kg



0 dB = 3.09 W/kg = 4.91 dBW/kg

Test Laboratory: SGS-SAR Lab

### System Performance Check 1750 MHz Body

**DUT: D1750V2; Type: D1750V2; Serial: 1149**

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: MSL1750; Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.485$  S/m;  $\epsilon_r = 51.303$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.79, 8.79, 8.79); Calibrated: 2017/8/24;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017/11/28
- Phantom: Twin phantom; Type: SAM1; Serial: 1141
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Body/d=10mm, Pin=250mW/Area Scan (61x121x1):** Interpolated grid:

$dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 13.4 W/kg

**Body/d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:**

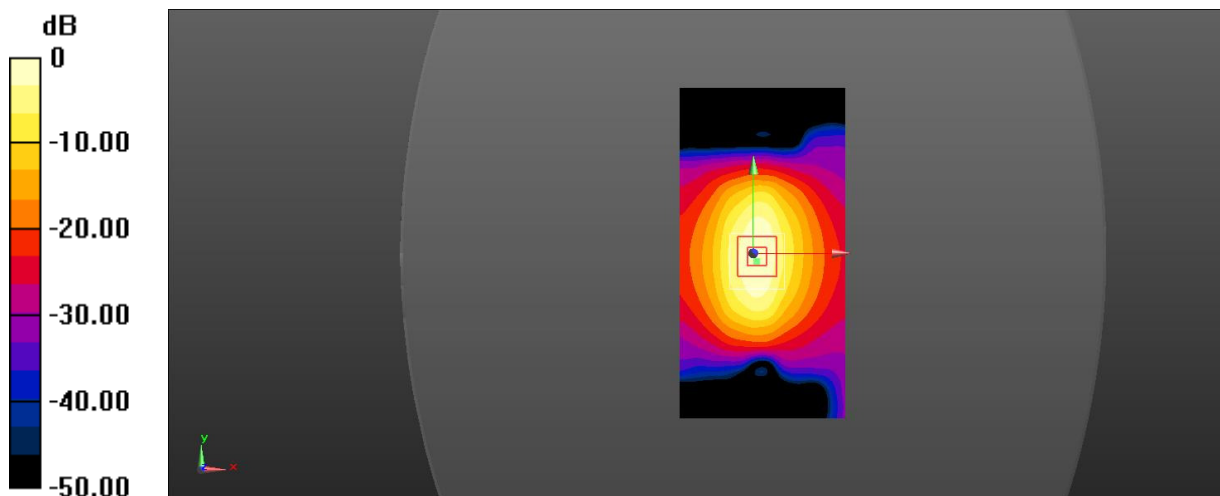
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 82.85 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 16.7 W/kg

**SAR(1 g) = 9.21 W/kg; SAR(10 g) = 4.88 W/kg**

Maximum value of SAR (measured) = 13.1 W/kg



0 dB = 13.4 W/kg = 11.31 dBW/kg



Test Laboratory: SGS-SAR Lab

### System Performance Check 1750 MHz Body-2

**DUT: D1750V2; Type: D1750V2; Serial: 1149**

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: MSL1750; Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.481$  S/m;  $\epsilon_r = 51.003$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.79, 8.79, 8.79); Calibrated: 2017/8/24;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017/11/28
- Phantom: Twin phantom; Type: SAM1; Serial: 1141
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Body/d=10mm, Pin=250mW/Area Scan (61x121x1):** Interpolated grid:

$dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 13.7 W/kg

**Body/d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:**

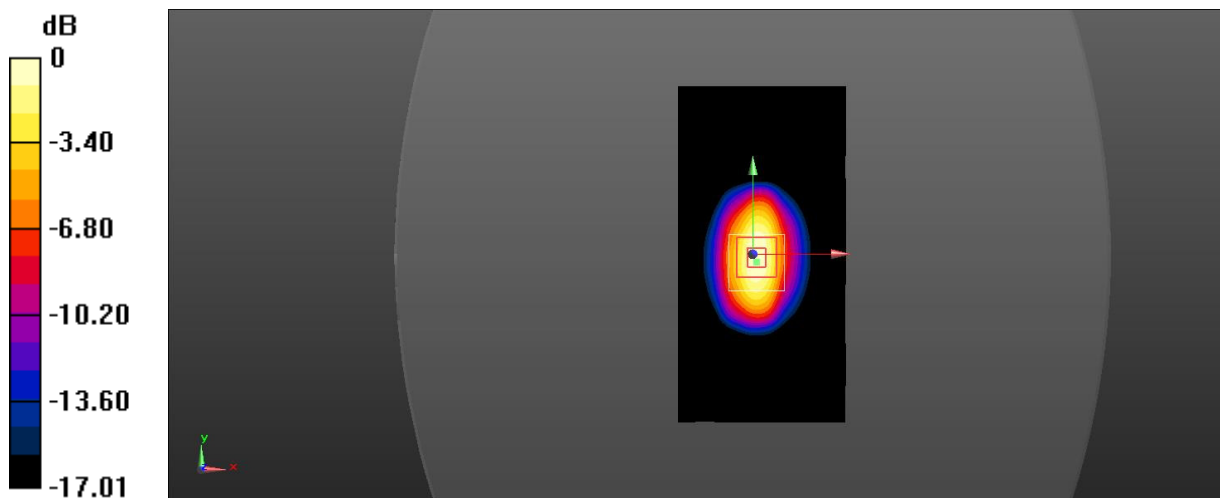
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 82.96 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 16.8 W/kg

**SAR(1 g) = 9.41 W/kg; SAR(10 g) = 4.92 W/kg**

Maximum value of SAR (measured) = 13.6 W/kg



0 dB = 13.6 W/kg = 11.65 dBW/kg

Test Laboratory: SGS-SAR Lab

### System Performance Check 1750 MHz Head

**DUT: D1750V2; Type: D1750V2; Serial: 1149**

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: HSL1750; Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.372$  S/m;  $\epsilon_r = 39.617$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(9.13, 9.13, 9.13); Calibrated: 2017/8/24;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017/11/28
- Phantom: Twin phantom; Type: SAM1; Serial: 1141
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Body/d=10mm, Pin=250mW/Area Scan (61x121x1):** Interpolated grid:

$dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 10.8 W/kg

**Body/d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:**

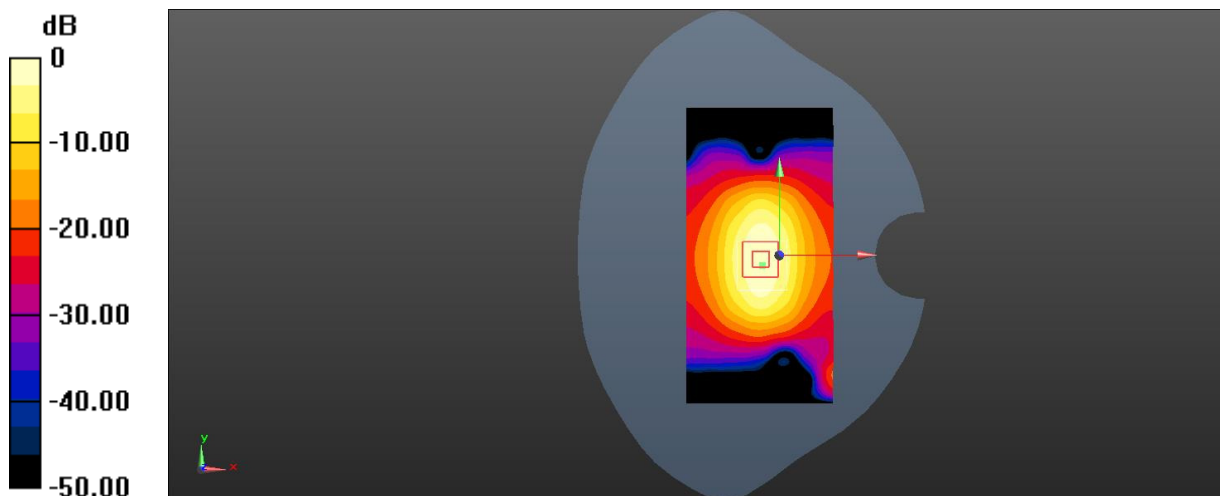
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 77.64 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 16.6 W/kg

**SAR(1 g) = 9.12 W/kg; SAR(10 g) = 4.9 W/kg**

Maximum value of SAR (measured) = 10.2 W/kg



0 dB = 10.8 W/kg = 10.45 dBW/kg

Test Laboratory: SGS-SAR Lab

### System Performance Check 1900 MHz Body

**DUT: D1900V2; Type: D1900V2; Serial: 5d028**

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: MSL1900; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.476$  S/m;  $\epsilon_r = 53.025$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.44, 8.44, 8.44); Calibrated: 2017/8/24;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017/11/28
- Phantom: Twin phantom; Type: SAM1; Serial: 1141
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Body/d=10mm, Pin=250mW/Area Scan (41x81x1):** Interpolated grid:

$dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 15.5 W/kg

**Body/d=10mm, Pin=250mW/Zoom Scan (7x7x7) (5x5x7)/Cube 0:**

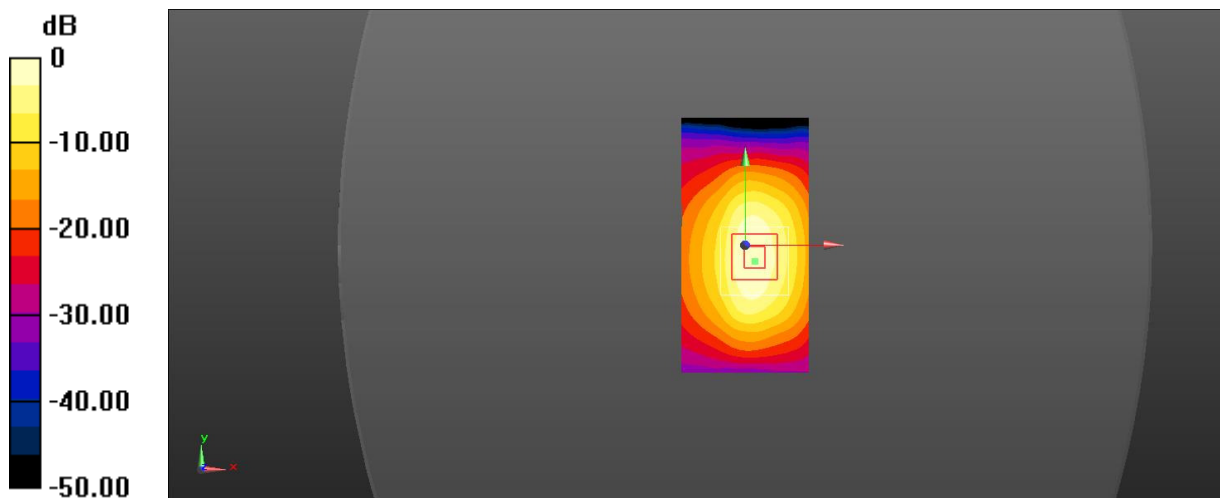
Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 82.35 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 18.3 W/kg

**SAR(1 g) = 10.3 W/kg; SAR(10 g) = 5.47 W/kg**

Maximum value of SAR (measured) = 14.6 W/kg



0 dB = 15.5 W/kg = 11.79 dBW/kg

Test Laboratory: SGS-SAR Lab

### System Performance Check 1900 MHz Body-2

**DUT: D1900V2; Type: D1900V2; Serial: 5d028**

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: MSL1900; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.481$  S/m;  $\epsilon_r = 53.103$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.44, 8.44, 8.44); Calibrated: 2017/8/24;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017/11/28
- Phantom: Twin phantom; Type: SAM1; Serial: 1141
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Body/d=10mm, Pin=250mW/Area Scan (41x81x1):** Interpolated grid:

$dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 15.8 W/kg

**Body/d=10mm, Pin=250mW/Zoom Scan (7x7x7) (5x5x7)/Cube 0:**

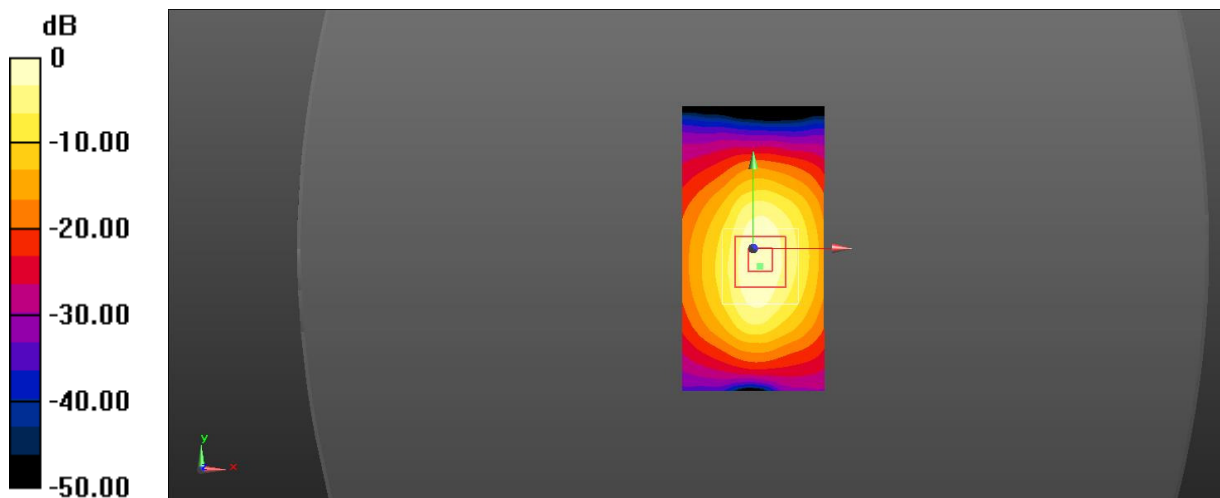
Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 84.20 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 18.0 W/kg

**SAR(1 g) = 10.5 W/kg; SAR(10 g) = 5.51 W/kg**

Maximum value of SAR (measured) = 14.9 W/kg



0 dB = 15.8 W/kg = 11.87 dBW/kg

Test Laboratory: SGS-SAR Lab

### System Performance Check 1900 MHz Head

**DUT: D1900V2; Type: D1900V2; Serial: 5d028**

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.421$  S/m;  $\epsilon_r = 39.564$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.75, 8.75, 8.75); Calibrated: 2017/8/24;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017/11/28
- Phantom: Twin phantom; Type: SAM1; Serial: 1141
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Body/d=10mm, Pin=250mW/Area Scan (61x101x1):** Interpolated grid:

$dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 12.1 W/kg

**Body/d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:**

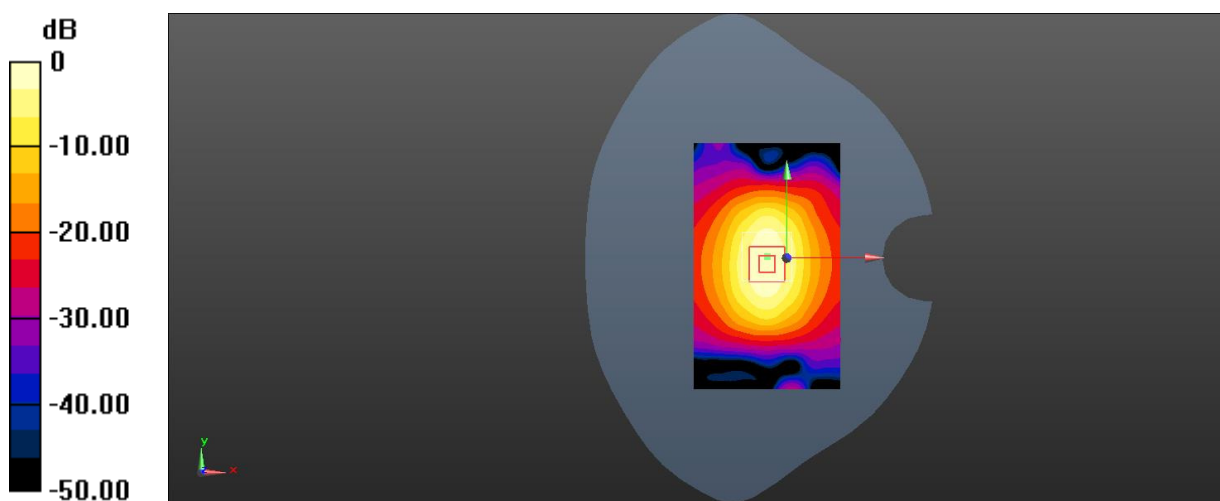
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 84.10 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 20.1 W/kg

**SAR(1 g) = 10.1 W/kg; SAR(10 g) = 5.31 W/kg**

Maximum value of SAR (measured) = 11.9 W/kg



0 dB = 12.1 W/kg = 10.80 dBW/kg

Test Laboratory: SGS-SAR Lab

### System Performance Check 2450MHz Body

**DUT: D2450V2; Type: D2450V2; Serial: 733**

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

Medium: MSL2450; Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.988$  S/m;  $\epsilon_r = 51.708$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.93, 7.93, 7.93); Calibrated: 2017/8/24;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017/11/28
- Phantom: Twin phantom; Type: SAM1; Serial: 1141
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Body/d=10mm, Pin=250mW/Area Scan (91x131x1):** Interpolated grid:

$dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 14.9 W/kg

**Body/d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:**

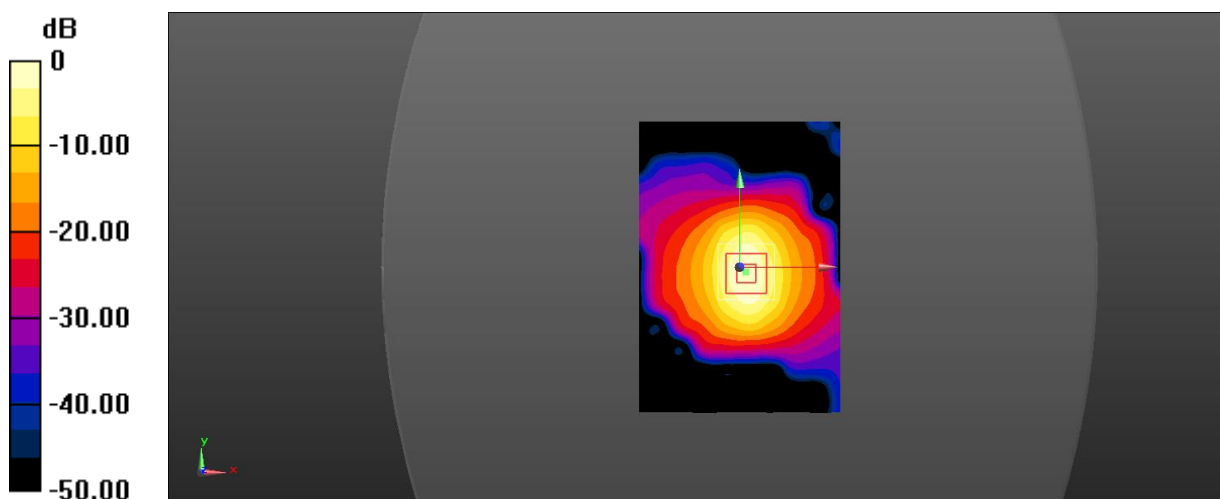
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 80.14 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 26.5 W/kg

**SAR(1 g) = 12.8 W/kg; SAR(10 g) = 5.91 W/kg**

Maximum value of SAR (measured) = 14.6 W/kg



0 dB = 14.9 W/kg = 11.59 dBW/kg

Test Laboratory: SGS-SAR Lab

### System Performance Check 2450MHz Head

**DUT: D2450V2; Type: D2450V2; Serial: 733**

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

Medium: HSL2450; Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.809$  S/m;  $\epsilon_r = 39.489$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.81, 7.81, 7.81); Calibrated: 2017/8/24;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017/11/28
- Phantom: Twin Phantom; Type: SAM1; Serial: 1824
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Body/d=10mm, Pin=250mW/Area Scan (81x131x1):** Interpolated grid:

$dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 15.3 W/kg

**Body/d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:**

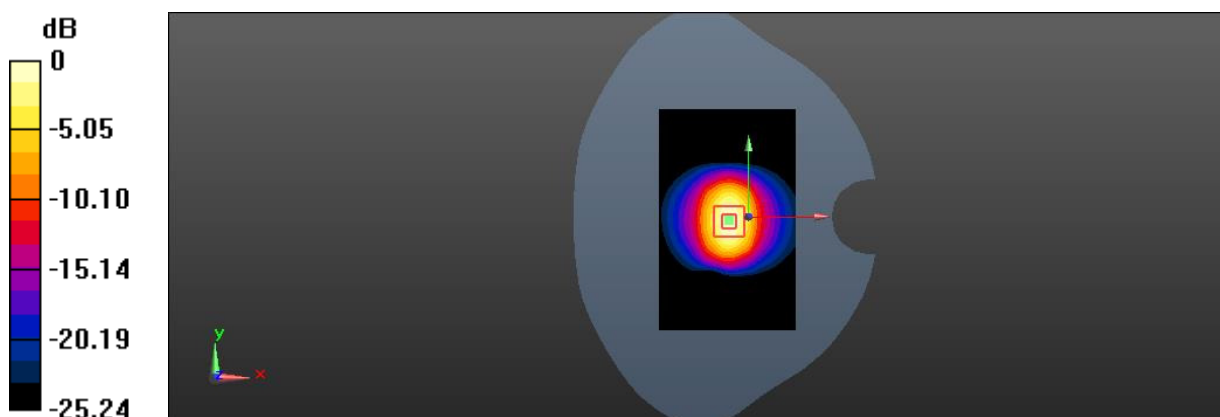
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 86.57 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 27.7 W/kg

**SAR(1 g) = 13.2 W/kg; SAR(10 g) = 6.1 W/kg**

Maximum value of SAR (measured) = 15.1 W/kg



0 dB = 15.1 W/kg = 11.79 dBW/kg

Test Laboratory: SGS-SAR Lab

### System Performance Check 2600MHz Body

**DUT: D2600V2; Type: D2600V2; Serial: 1125**

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: MSL2600; Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.182$  S/m;  $\epsilon_r = 51.237$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.78, 7.78, 7.78); Calibrated: 2017/8/24;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017/11/28
- Phantom: Twin phantom; Type: SAM1; Serial: 1141
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Body/d=10mm, Pin=250mW/Area Scan (91x121x1):** Interpolated grid:

$dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 21.6 W/kg

**Body/d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:**

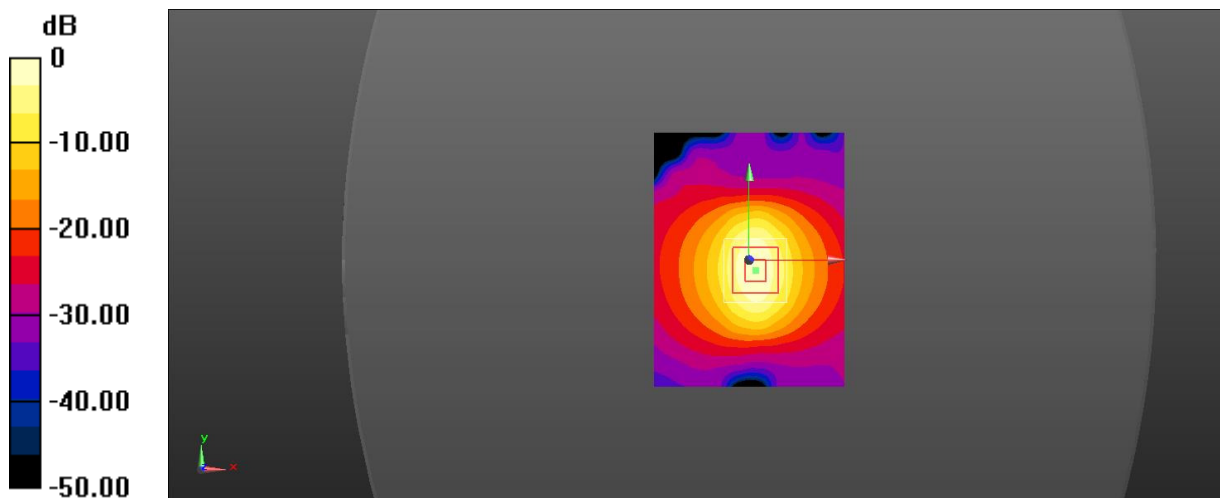
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 80.87 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 28.3 W/kg

**SAR(1 g) = 13.9 W/kg; SAR(10 g) = 6.16 W/kg**

Maximum value of SAR (measured) = 21.4 W/kg



0 dB = 21.6 W/kg = 13.42 dBW/kg



Test Laboratory: SGS-SAR Lab

### System Performance Check 2600MHz Head

**DUT: Dipole D2600V2; Type: D2600V2; Serial: 1125**

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: HSL2600; Medium parameters used:  $f = 2600$  MHz;  $\sigma = 1.928$  S/m;  $\epsilon_r = 38.439$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.64, 7.64, 7.64); Calibrated: 2017/8/24;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017/11/28
- Phantom: Twin phantom; Type: SAM1; Serial: 1141
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Body/d=10mm, Pin=250mW/Area Scan (91x121x1):** Interpolated grid:

$dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 16.5 W/kg

**Body/d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:**

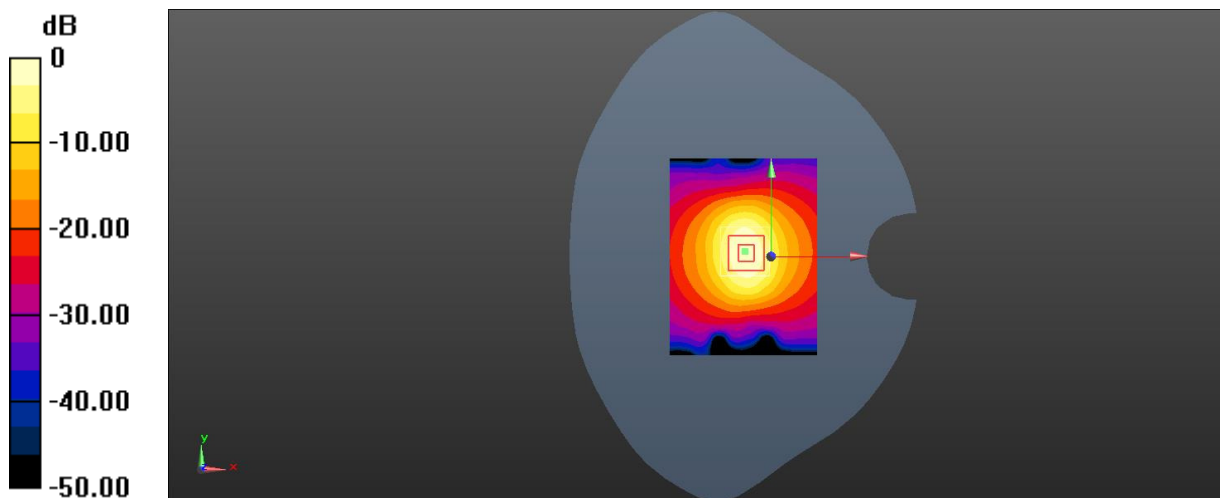
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 88.55 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 32.5 W/kg

**SAR(1 g) = 14.2 W/kg; SAR(10 g) = 6.34 W/kg**

Maximum value of SAR (measured) = 16.4 W/kg



0 dB = 16.5 W/kg = 12.16 dBW/kg