



# Appendix A

## Detailed System Check Results

|                                        |
|----------------------------------------|
| 1. System Performance Check            |
| System Performance Check 750 MHz Head  |
| System Performance Check 835 MHz Head  |
| System Performance Check 1750 MHz Head |
| System Performance Check 1900 MHz Head |
| System Performance Check 2450 MHz Head |
| System Performance Check 2600 MHz Head |
| System Performance Check 5250 MHz Head |
| System Performance Check 5800 MHz Head |



Test Laboratory: LCS-SAR Lab

**System Performance Check 750 MHz****DUT: D750V3; Type: D750V3; Serial: 1191**

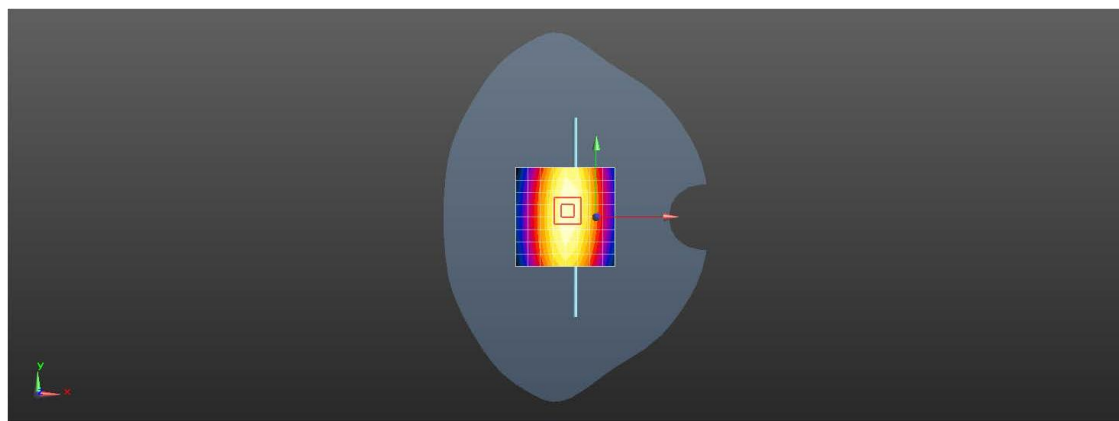
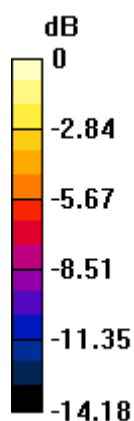
Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.898 \text{ S/m}$ ;  $\epsilon_r = 41.699$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(10.02, 10.02, 10.02); Calibrated: 2023/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection),
- Electronics: DAE3 Sn419; Calibrated: 2023/6/20
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration 2/-/Area Scan (9x9x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$ Maximum value of SAR (measured) =  $2.71 \text{ W/kg}$ **Configuration 2/-/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $55.83 \text{ V/m}$ ; Power Drift =  $-0.08 \text{ dB}$ Peak SAR (extrapolated) =  $3.30 \text{ W/kg}$ **SAR(1 g) =  $2.15 \text{ W/kg}$ ; SAR(10 g) =  $1.41 \text{ W/kg}$** Maximum value of SAR (measured) =  $2.76 \text{ W/kg}$ 0 dB =  $2.71 \text{ W/kg}$  =  $4.33 \text{ dBW/kg}$ 

Test Laboratory: LCS-SAR Lab

**System Performance Check 835 MHz****DUT: D835V2; Type: D835V2; Serial: 4d124**

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

Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.89 \text{ S/m}$ ;  $\epsilon_r = 40.899$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(9.62, 9.62, 9.62); Calibrated: 2023/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection),
- Electronics: DAE3 Sn419; Calibrated: 2023/6/20
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/d=15mm, Pin=250mW/Area Scan (7x13x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 3.06 W/kg

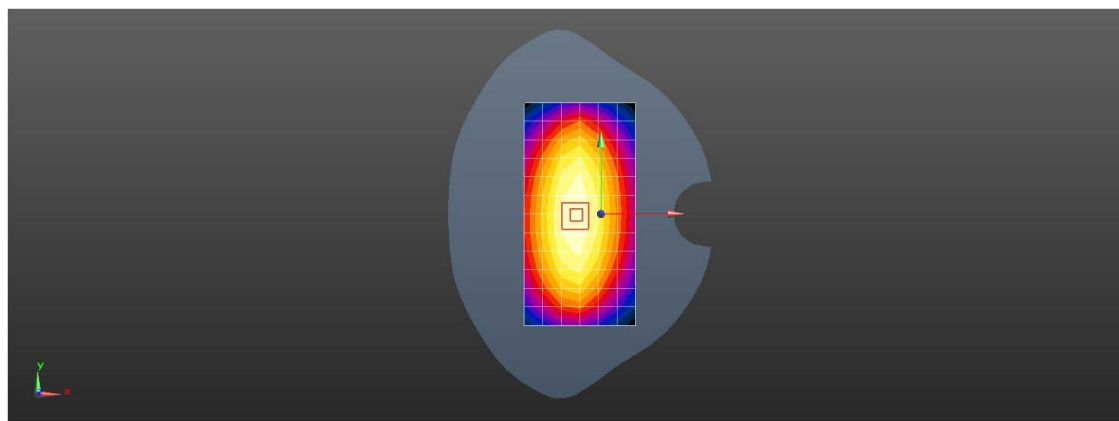
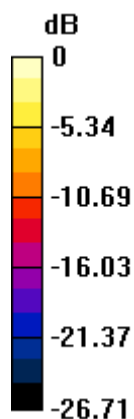
**Body/d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 53.79 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 3.83 W/kg

**SAR(1 g) = 2.48 W/kg; SAR(10 g) = 1.62 W/kg**

Maximum value of SAR (measured) = 3.18 W/kg



0 dB = 3.06 W/kg = 4.86 dBW/kg



Test Laboratory: LCS-SAR Lab

**System Performance Check 1750 MHz****DUT: D1750V2; Type: D1750V2; Serial: 1035**

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

Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.319$  S/m;  $\epsilon_r = 40.492$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(8.35, 8.35, 8.35); Calibrated: 2023/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection),
- Electronics: DAE3 Sn419; Calibrated: 2023/6/20
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/d=10mm, Pin=250mW/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 11.4 W/kg

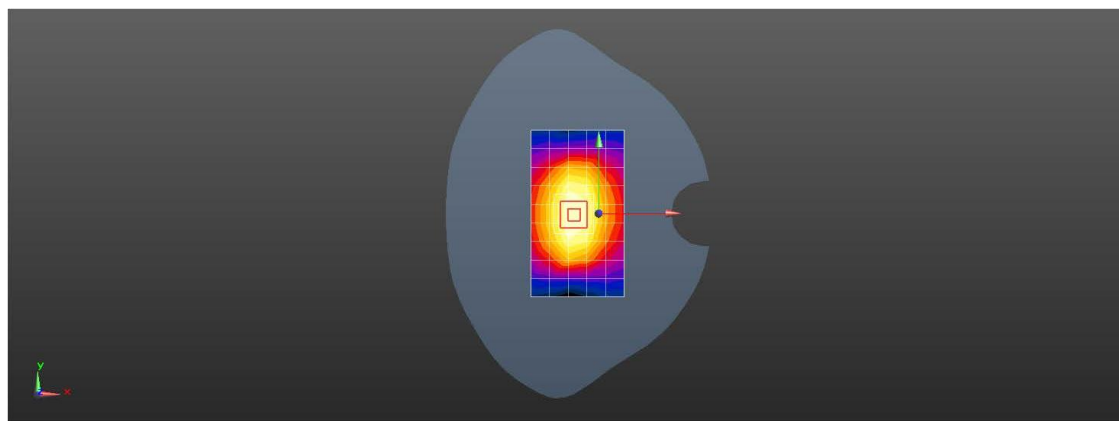
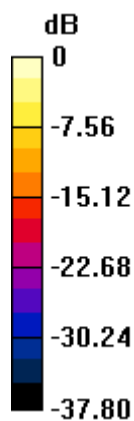
**Body/d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 88.03 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 17.5 W/kg

**SAR(1 g) = 9.42 W/kg; SAR(10 g) = 5 W/kg**

Maximum value of SAR (measured) = 14.7 W/kg



0 dB = 11.4 W/kg = 10.57 dBW/kg



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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Test Laboratory: LCS-SAR Lab

**System Performance Check 1900 MHz****DUT: D1900V2; Type: D1900V2; Serial: 5d055**

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

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.371$  S/m;  $\epsilon_r = 40.099$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(8.05, 8.05, 8.05); Calibrated: 2023/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection),
- Electronics: DAE3 Sn419; Calibrated: 2023/6/20
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Unnamed procedure/Area Scan (4x11x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 13.3 W/kg

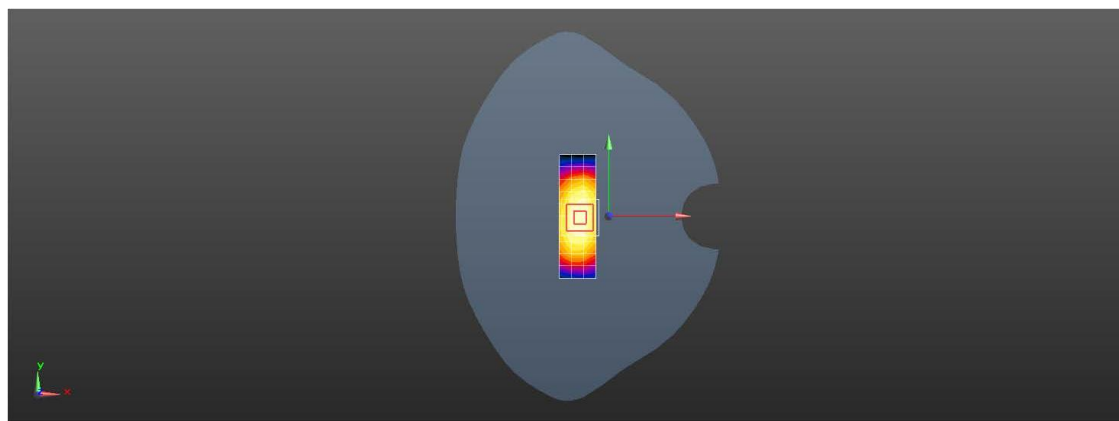
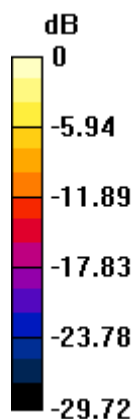
**Configuration/Unnamed procedure/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 90.91 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 18.1 W/kg

**SAR(1 g) = 9.82 W/kg; SAR(10 g) = 5.1 W/kg**

Maximum value of SAR (measured) = 14.2 W/kg



0 dB = 13.3 W/kg = 11.23 dBW/kg



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Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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Test Laboratory: LCS-SAR Lab

**System Performance Check 2450 MHz****DUT: D2450V2; Type: D2450V2; Serial: 965**

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

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.834$  S/m;  $\epsilon_r = 39.971$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.50, 7.50, 7.50); Calibrated: 2023/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection),
- Electronics: DAE3 Sn419; Calibrated: 2023/6/20
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Unnamed procedure/Area Scan (4x8x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 17.4 W/kg

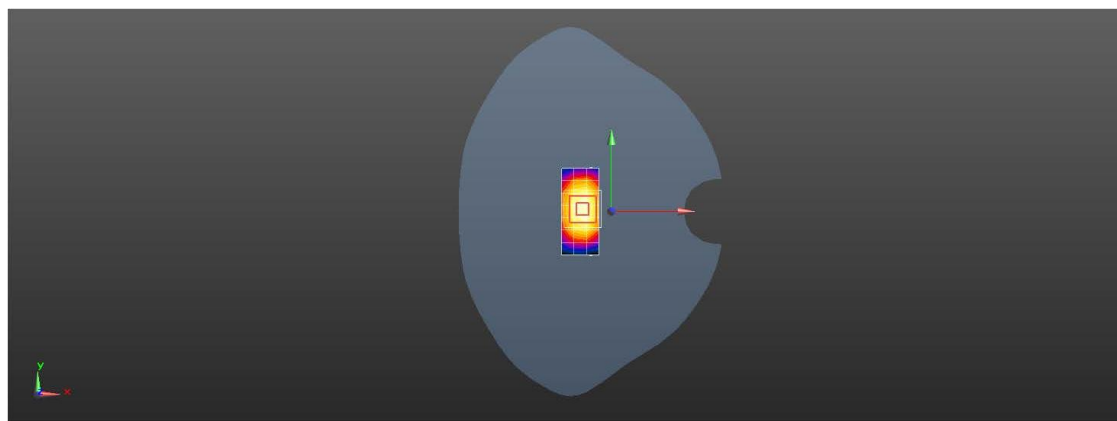
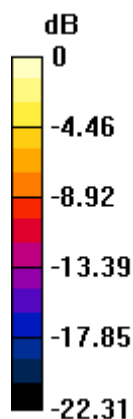
**Configuration/Unnamed procedure/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 88.94 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 26.8 W/kg

**SAR(1 g) = 12.9 W/kg; SAR(10 g) = 5.9 W/kg**

Maximum value of SAR (measured) = 19.9 W/kg



0 dB = 17.4 W/kg = 12.42 dBW/kg



Test Laboratory: LCS-SAR Lab

**System Performance Check 2600 MHz****DUT: D2600V2; Type: D2600V2; Serial: 1071**

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

Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.013$  S/m;  $\epsilon_r = 39.428$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.35, 7.35, 7.35); Calibrated: 2023/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection),
- Electronics: DAE3 Sn419; Calibrated: 2023/6/20
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Unnamed procedure/Area Scan (4x8x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 17.7 W/kg

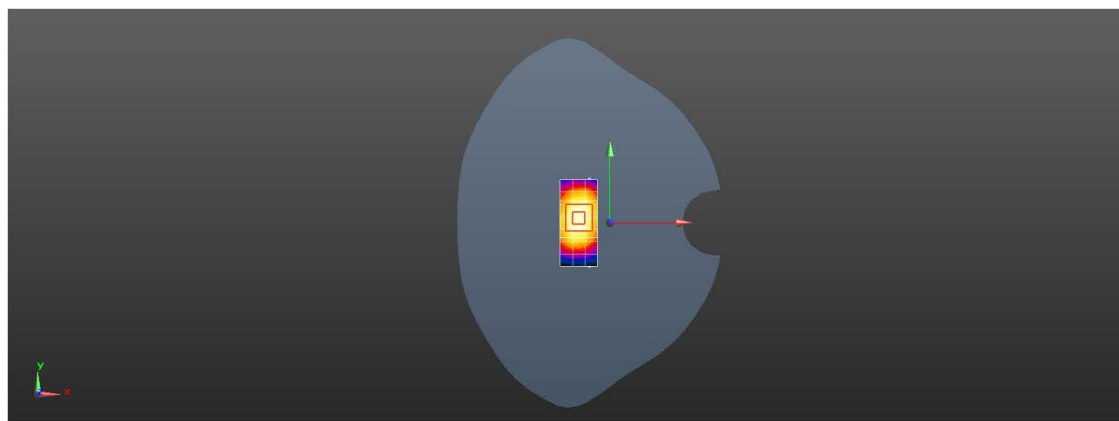
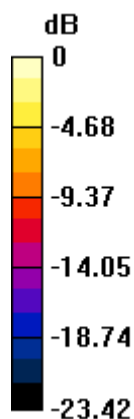
**Configuration/Unnamed procedure/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 87.92 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 30.0 W/kg

**SAR(1 g) = 14 W/kg; SAR(10 g) = 6.27 W/kg**

Maximum value of SAR (measured) = 21.8 W/kg



0 dB = 17.7 W/kg = 12.49 dBW/kg



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Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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Test Laboratory: LCS-SAR Lab

**System Performance Check 5250 MHz****DUT: D5GHzV2; Type: D5GHzV2; Serial: 1165**

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

Medium parameters used:  $f = 5250$  MHz;  $\sigma = 4.7$  S/m;  $\epsilon_r = 36.548$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(5.45, 5.45, 5.45); Calibrated: 2023/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection),
- Electronics: DAE3 Sn419; Calibrated: 2023/6/20
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Head/d=10mm, Pin=100mW, f=5250 MHz/Area Scan (10x10x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 17.5 W/kg

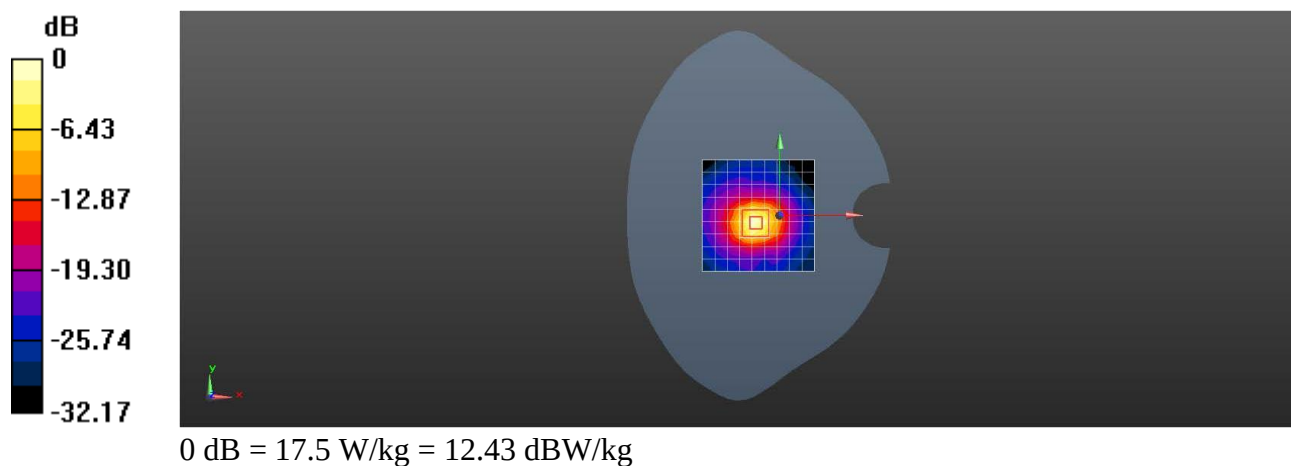
**Head/d=10mm, Pin=100mW, f=5250 MHz/Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 50.65 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 29.2 W/kg

**SAR(1 g) = 7.72 W/kg; SAR(10 g) = 2.26 W/kg**

Maximum value of SAR (measured) = 19.5 W/kg



Test Laboratory: LCS-SAR Lab

**System Performance Check 5800 MHz****DUT: D5GHzV2; Type: D5GHzV2; Serial: 1046**

Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5800$  MHz;  $\sigma = 5.312$  S/m;  $\epsilon_r = 35.003$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(4.96, 4.96, 4.96); Calibrated: 2023/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection),
- Electronics: DAE3 Sn419; Calibrated: 2023/6/20
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Unnamed procedure/Area Scan (5x5x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 21.7 W/kg

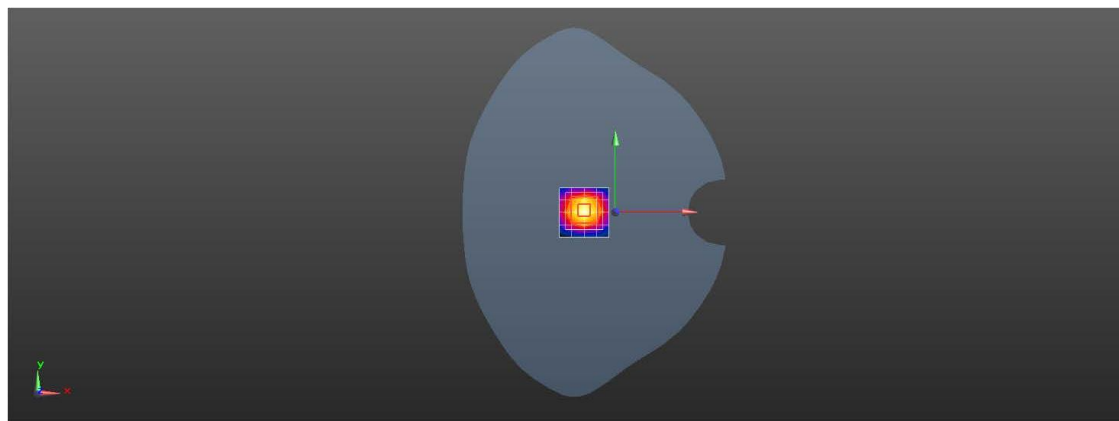
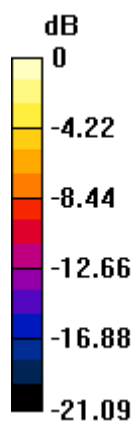
**Configuration/Unnamed procedure/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 70.00 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 38.8 W/kg

**SAR(1 g) = 8.33 W/kg; SAR(10 g) = 2.26 W/kg**

Maximum value of SAR (measured) = 22.5 W/kg



0 dB = 21.7 W/kg = 13.36 dBW/kg



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