



## Appendix B. SAR Measurement Plots

<b>Table of contents</b>
WiFi 802.11b Body

Test Laboratory: HUAWEI SAR/HAC Lab

**S10-201w,S10-201wa WiFi 802.11b 11CH Rear side 0mm**

**DUT: S10-201w,S10-201wa; Type: HUAWEI MediaPad 10 Link; Serial: SAR1**

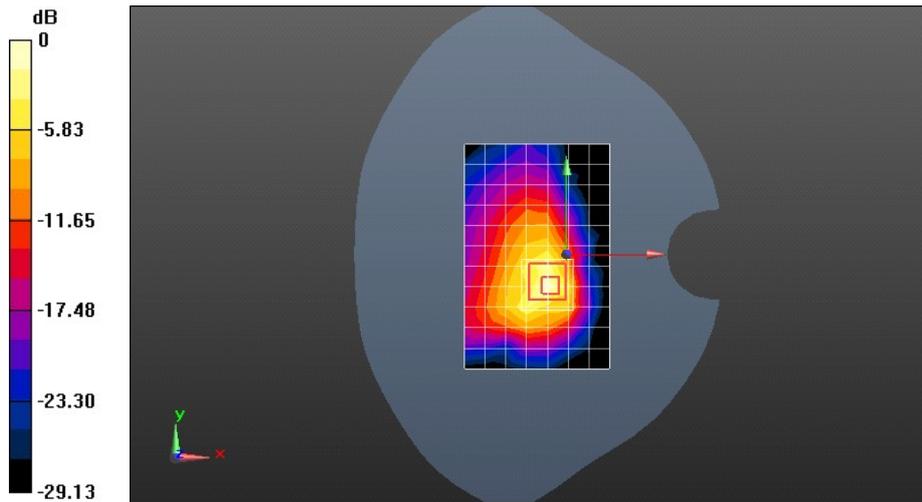
Communication System: WiFi(802.11b/g/n); Frequency: 2462 MHz;Duty Cycle: 1:1  
 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.983$  mho/m;  $\epsilon_r = 52.303$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY Configuration:

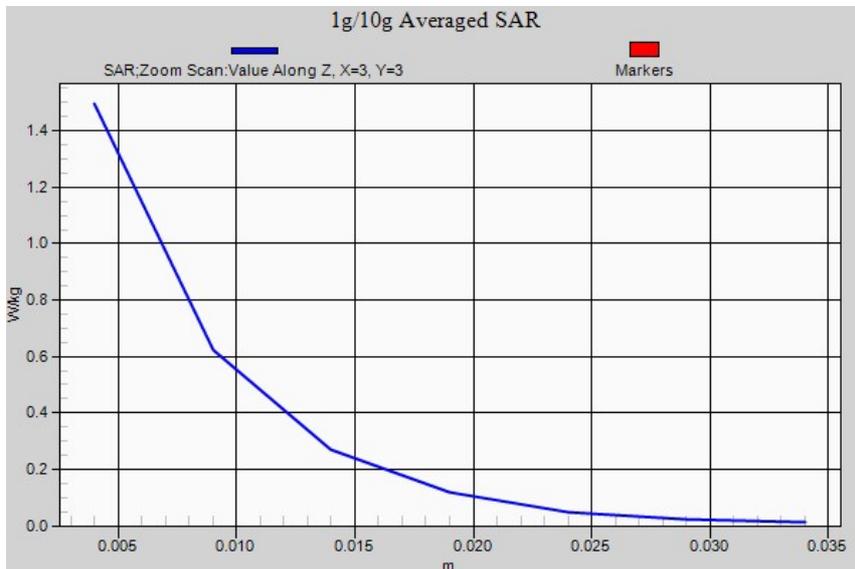
- Probe: ES3DV3 - SN3168; ConvF(4.38, 4.38, 4.38); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

**Configuration/Body/Area Scan (8x12x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
 Maximum value of SAR (measured) = 1.45 W/kg

**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
 Reference Value = 14.824 V/m; Power Drift = -0.08 dB  
 Peak SAR (extrapolated) = 3.53 W/kg  
**SAR(1 g) = 1.29 W/kg; SAR(10 g) = 0.485 W/kg**  
 Maximum value of SAR (measured) = 1.50 W/kg



0 dB = 1.50 W/kg = 1.76 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

**S10-201w,S10-201wa WiFi 802.11b 11CH Rear side 0mm repeated**

**DUT: S10-201w,S10-201wa; Type: HUAWEI MediaPad 10 Link; Serial: SAR1**

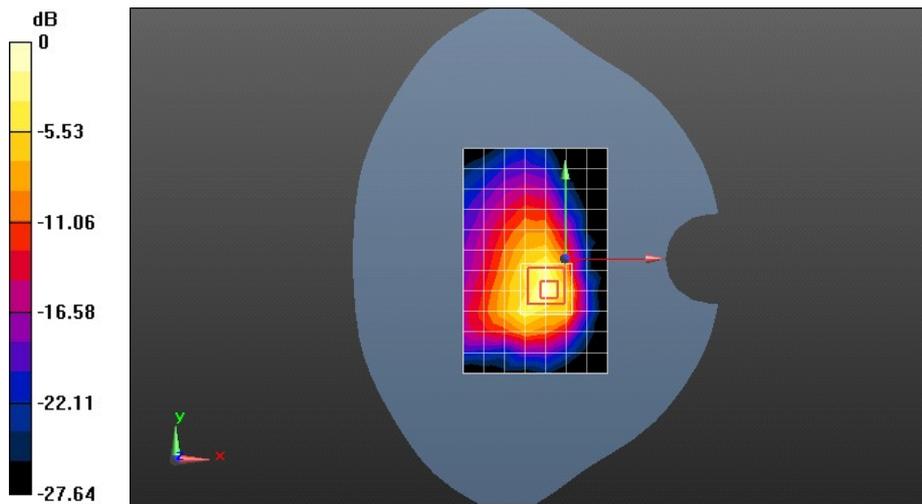
Communication System: WiFi(802.11b/g/n); Frequency: 2462 MHz;Duty Cycle: 1:1  
 Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.983 \text{ mho/m}$ ;  $\epsilon_r = 52.303$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.38, 4.38, 4.38); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

**Configuration/Body/Area Scan (8x12x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$   
 Maximum value of SAR (measured) =  $1.45 \text{ W/kg}$

**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$   
 Reference Value =  $14.822 \text{ V/m}$ ; Power Drift =  $-0.07 \text{ dB}$   
 Peak SAR (extrapolated) =  $3.50 \text{ W/kg}$   
**SAR(1 g) =  $1.27 \text{ W/kg}$ ; SAR(10 g) =  $0.482 \text{ W/kg}$**   
 Maximum value of SAR (measured) =  $1.49 \text{ W/kg}$



0 dB =  $1.49 \text{ W/kg}$  =  $1.73 \text{ dBW/kg}$



Test Laboratory: HUAWEI SAR/HAC Lab

**S10-201w,S10-201wa WiFi 802.11b 6CH Rear side 0mm**

**DUT: S10-201w,S10-201wa; Type: HUAWEI MediaPad 10 Link; Serial: SAR1**

Communication System: WiFi(802.11b/g/n); Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.953$  mho/m;  $\epsilon_r = 52.376$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.38, 4.38, 4.38); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

**Configuration/Body/Area Scan (8x12x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.05 W/kg

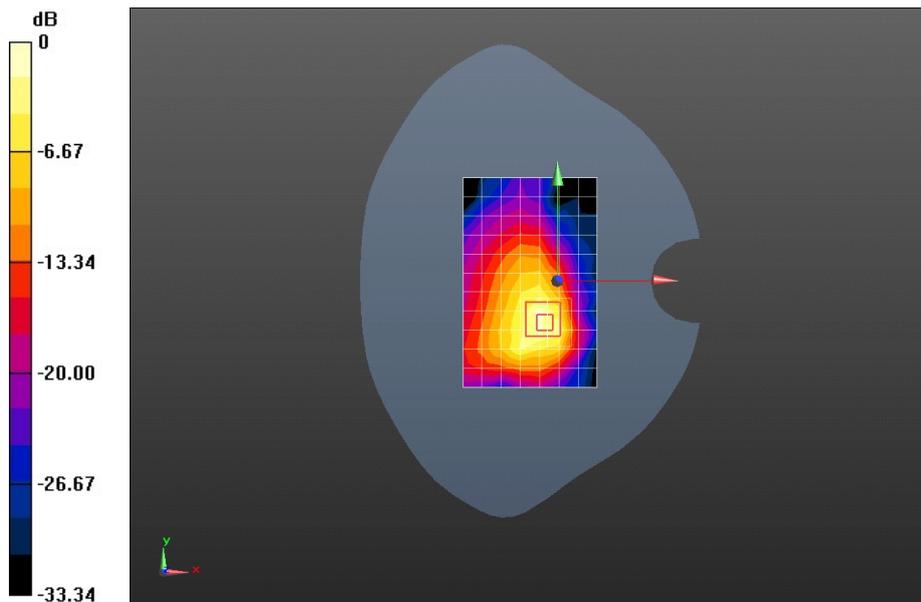
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.373 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 3.37 W/kg

**SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.465 W/kg**

Maximum value of SAR (measured) = 1.41 W/kg



0 dB = 1.41 W/kg = 1.49 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### S10-201w,S10-201wa WiFi 802.11b 1CH Rear side 0mm

**DUT: S10-201w,S10-201wa; Type: HUAWEI MediaPad 10 Link; Serial: SAR1**

Communication System: WiFi(802.11b/g/n); Frequency: 2412 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.923$  mho/m;  $\epsilon_r = 52.448$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.38, 4.38, 4.38); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

**Configuration/Body/Area Scan (8x12x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 1.11 W/kg

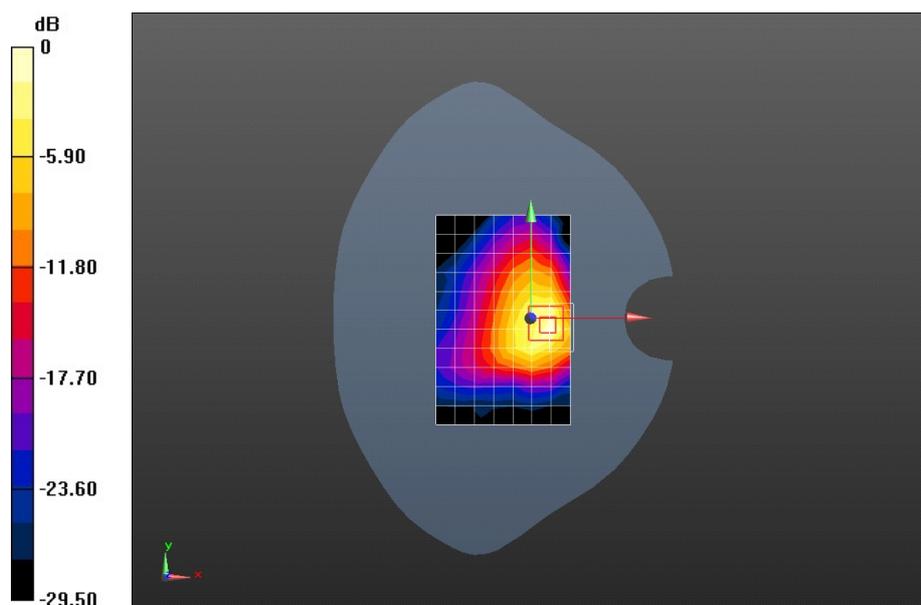
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 8.727 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 2.68 W/kg

**SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.392 W/kg**

Maximum value of SAR (measured) = 1.16 W/kg



0 dB = 1.16 W/kg = 0.64 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### S10-201w,S10-201wa WiFi 802.11b 1CH Left side 0mm

**DUT: S10-201w,S10-201wa; Type: HUAWEI MediaPad 10 Link; Serial: SAR1**

Communication System: WiFi(802.11b/g/n); Frequency: 2412 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.923$  mho/m;  $\epsilon_r = 52.448$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.38, 4.38, 4.38); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

**Configuration/Body/Area Scan (9x12x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

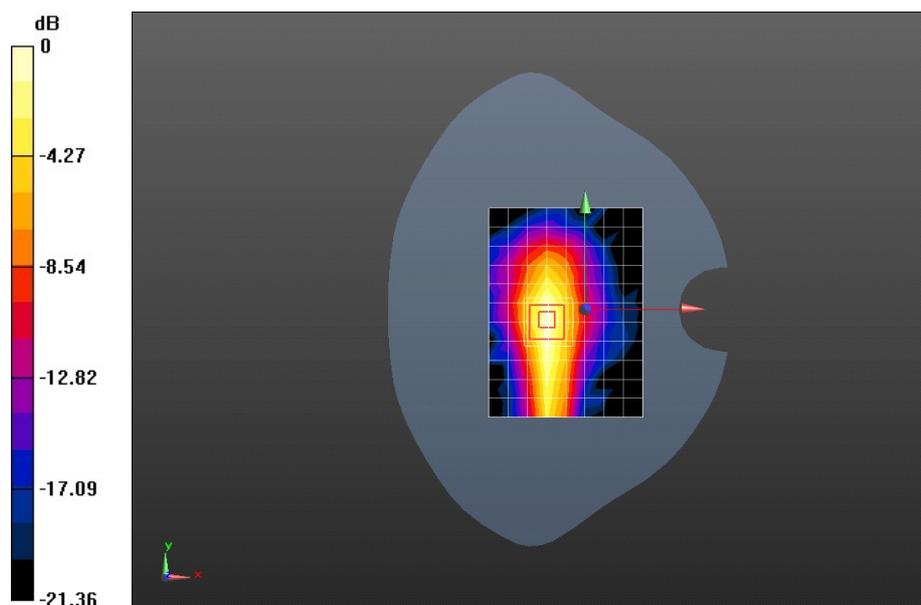
Maximum value of SAR (measured) = 0.145 W/kg

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

Reference Value = 6.798 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.295 W/kg

**SAR(1 g) = 0.130 W/kg; SAR(10 g) = 0.061 W/kg**



0 dB = 0.145 W/kg = -8.39 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### S10-201w,S10-201wa WiFi 802.11b 1CH Top side 0mm

DUT: S10-201w,S10-201wa; Type: HUAWEI MediaPad 10 Link; Serial: SAR1

Communication System: WiFi(802.11b/g/n); Frequency: 2412 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.923$  mho/m;  $\epsilon_r = 52.448$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.38, 4.38, 4.38); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

**Configuration/Body/Area Scan (8x12x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.225 W/kg

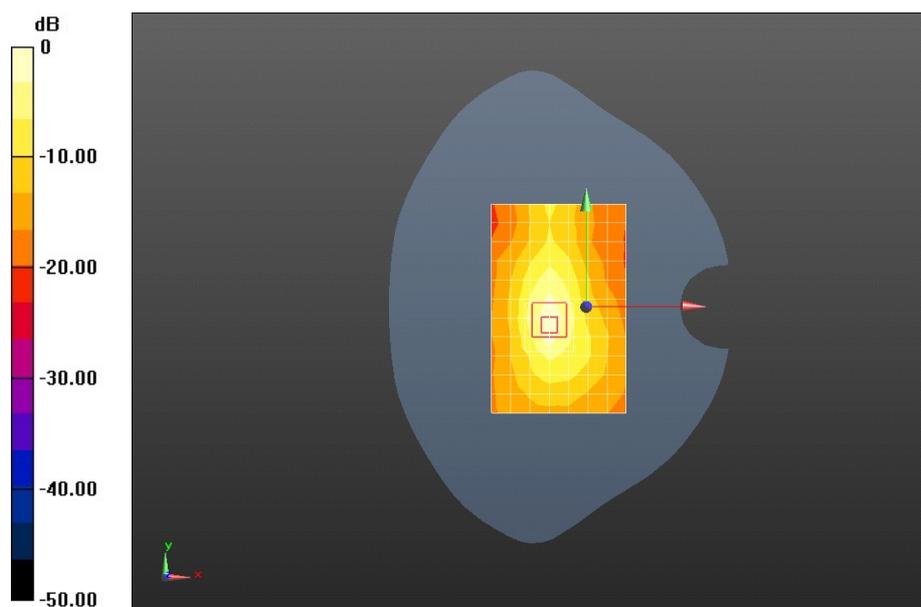
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 9.000 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.498 W/kg

**SAR(1 g) = 0.217 W/kg; SAR(10 g) = 0.094 W/kg**

Maximum value of SAR (measured) = 0.250 W/kg



0 dB = 0.250 W/kg = -6.02 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**S10-201w,S10-201wa WiFi 802.11b 11CH Rear side 0mm with the battery 2#**

**DUT: S10-201w,S10-201wa; Type: HUAWEI MediaPad 10 Link; Serial: SAR1**

Communication System: WiFi(802.11b/g/n); Frequency: 2462 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.983$  mho/m;  $\epsilon_r = 52.303$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.38, 4.38, 4.38); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

**Configuration/Body/Area Scan (8x12x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 1.10 W/kg

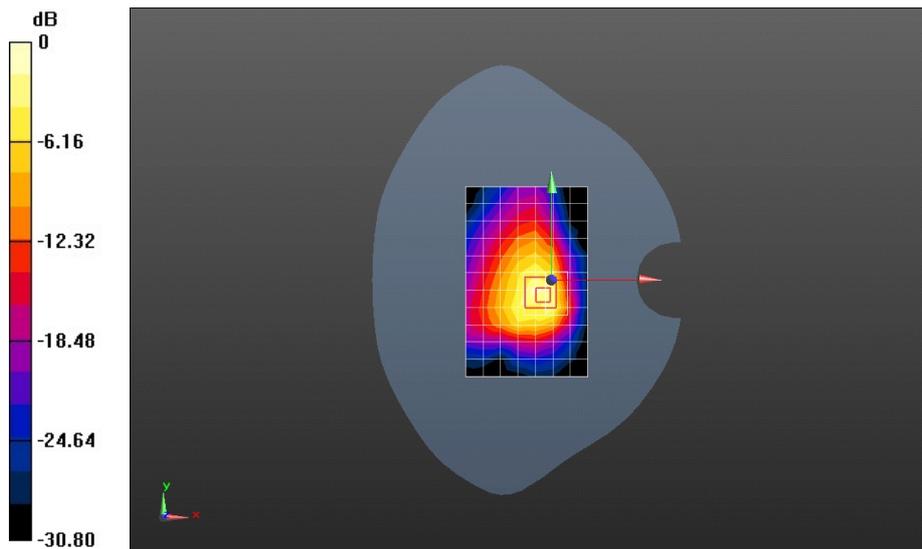
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 16.701 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 3.49 W/kg

**SAR(1 g) = 1.25 W/kg; SAR(10 g) = 0.476 W/kg**

Maximum value of SAR (measured) = 1.41 W/kg



0 dB = 1.41 W/kg = 1.49 dBW/kg