



## Appendix B. SAR Measurement Plots

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<b>GSM1900 Body</b>	
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Test Laboratory: HUAWEI SAR/HAC Lab

### **F617-50 GSM1900 GPRS 2TS 661CH Top side 25mm with Battery 2-antenna vertical**

**DUT: F617-50; Type: Fixed Wireless Terminal; Serial: SAR2**

Communication System: UID 0, HW-GSM\GPRS\EGPRS-2TS (0); Frequency: 1880 MHz; Duty Cycle: 1:4.10015

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.519$  S/m;  $\epsilon_r = 52.513$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(7.24, 7.24, 7.24); Calibrated: 2015-7-24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.254 W/kg

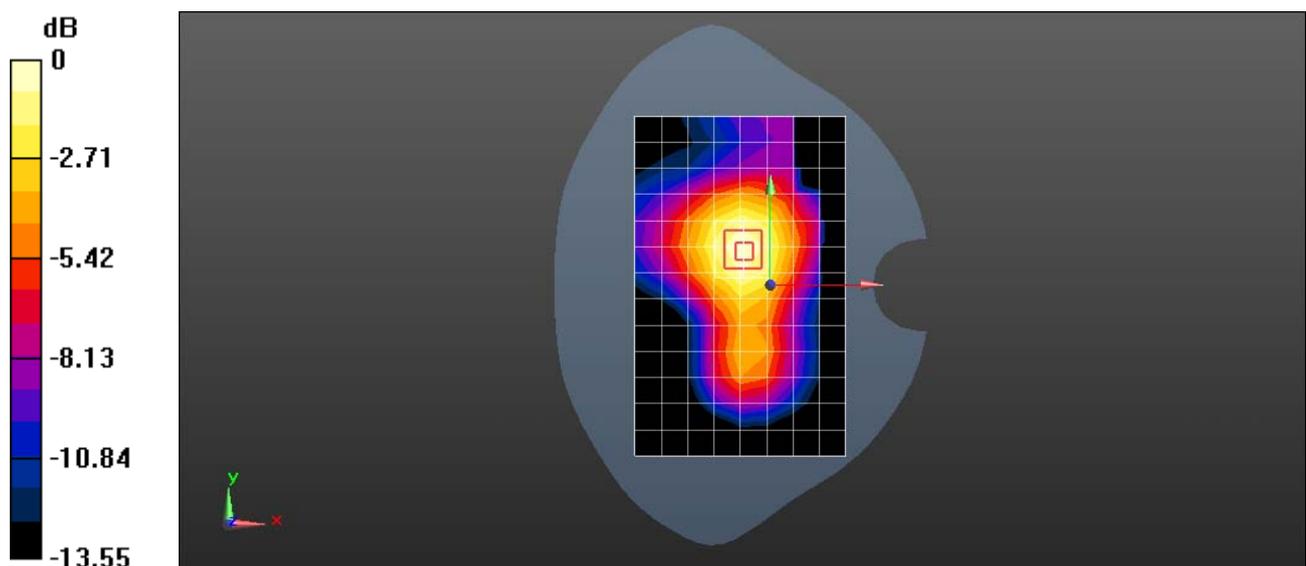
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 10.33 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.327 W/kg

**SAR(1 g) = 0.216 W/kg; SAR(10 g) = 0.137 W/kg**

Maximum value of SAR (measured) = 0.253 W/kg



0 dB = 0.253 W/kg = -5.98 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### **F617-50 UMTS Band II 9400CH Top side 25mm with Battery 2-antenna horizontal and adaptor**

**DUT: F617-50; Type: Fixed Wireless Terminal; Serial: SAR2**

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.519$  S/m;  $\epsilon_r = 52.513$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(7.24, 7.24, 7.24); Calibrated: 2015-7-24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.341 W/kg

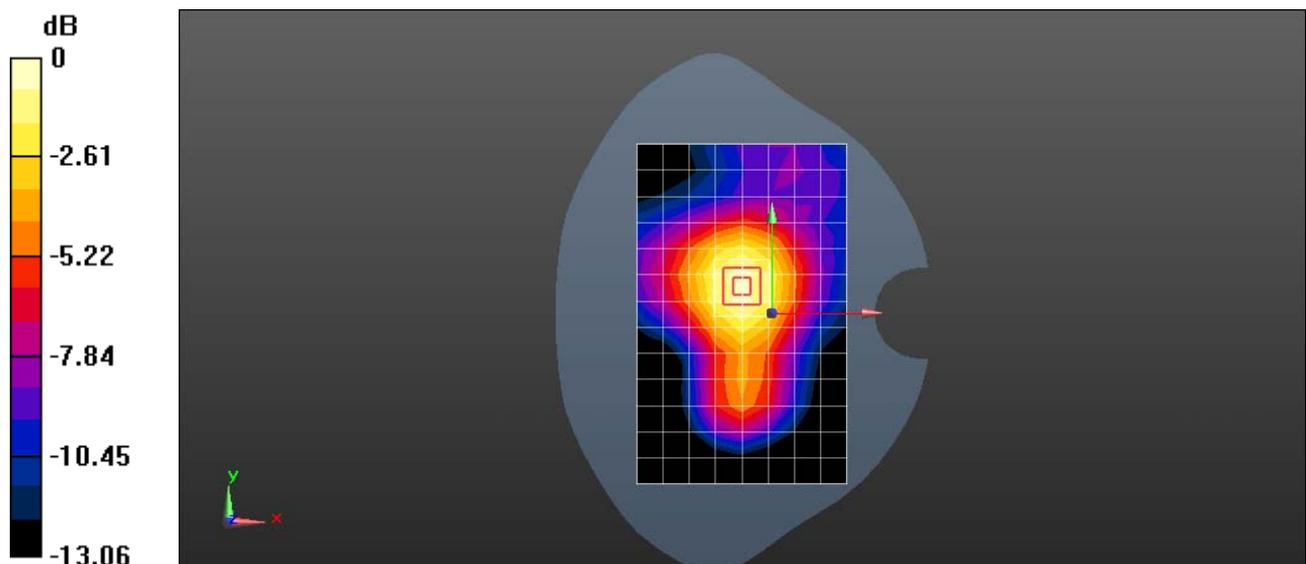
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 13.28 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.464 W/kg

**SAR(1 g) = 0.309 W/kg; SAR(10 g) = 0.198 W/kg**

Maximum value of SAR (measured) = 0.362 W/kg



0 dB = 0.362 W/kg = -4.41 dBW/kg