## Appendix B. SAR Measurement Plots

| Table of contents |
| --- |
| **GSM 850MHz Body** |
| **GSM 1900MHz Body** |

Date: 2013-3-8

Test Laboratory: HUAWEI SAR/HAC Lab

## GL08D GSM850 EGPRS 2TS 128CH Rear Side 5mm

**DUT: GL08D; Type: LTE USB Rotator; Serial: SAR2**

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 824.2 MHz;Duty Cycle: 1:4.10015
Medium parameters used (interpolated): f = 824.2 MHz; $\sigma$ = 0.967 S/m; $\varepsilon_r$ = 55.074; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY Configuration:

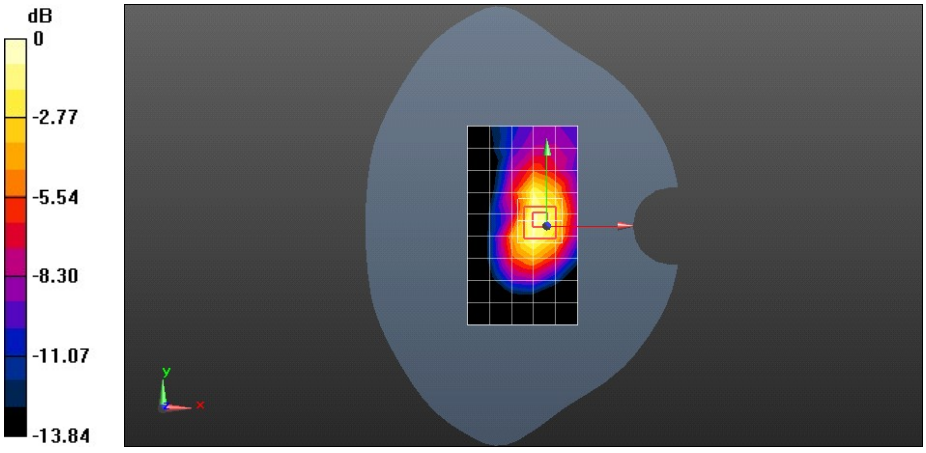
- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

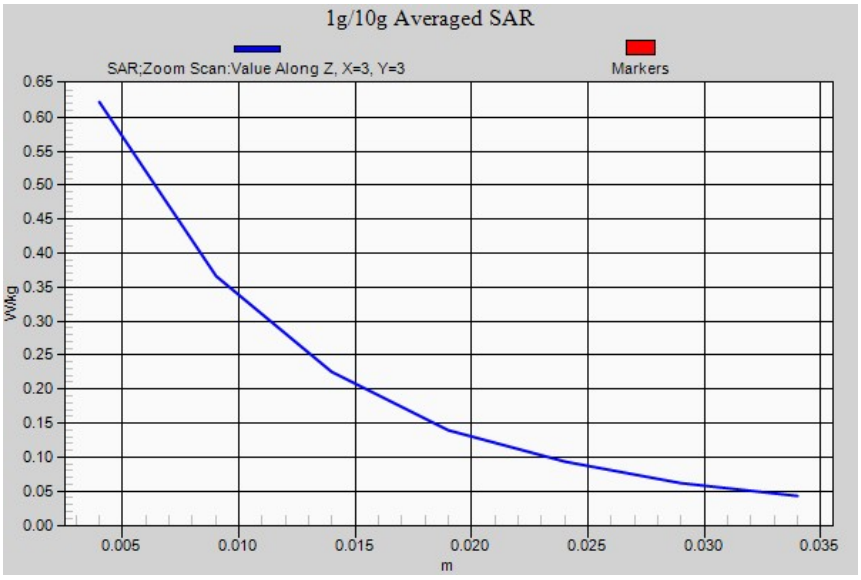
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.542 W/kg

**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 19.082 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.03 W/kg
**SAR(1 g) = 0.561 W/kg; SAR(10 g) = 0.315 W/kg**

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.622 W/kg




0 dB = 0.622 W/kg = -2.06 dBW/kg



Date: 2013-3-8

Test Laboratory: HUAWEI SAR/HAC Lab

## GL08D GSM1900 GPRS 2TS 661CH Front Side 5mm

**DUT: GL08D; Type: LTE USB Rotator; Serial: SAR2**

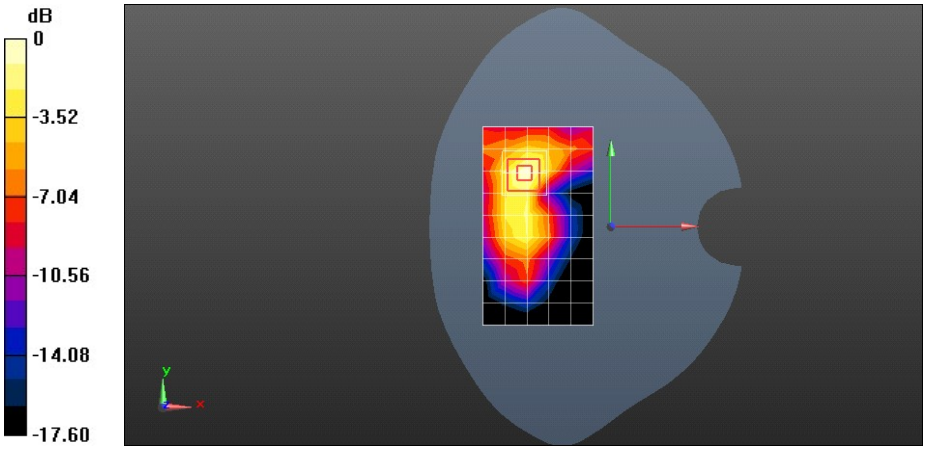
Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 1880 MHz;Duty Cycle: 1:4.10015
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.522 S/m; $\varepsilon_r$ = 52.951; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.602 W/kg

**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.723 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.885 W/kg
**SAR(1 g) = 0.523 W/kg; SAR(10 g) = 0.279 W/kg**
Maximum value of SAR (measured) = 0.594 W/kg




0 dB = 0.594 W/kg = -2.26 dBW/kg