



Appendix B. SAR Measurement Plots

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GSM 850 MHz body
GSM 1900 MHz body

Test Laboratory: HUAWEI SAR Lab

E173u-1 GSM850 GPRS 3TS 251CH Rear side 5mm

DUT: E173u-1; Type: HSPA USB Stick; Serial: SAR1

Communication System: HW-GSM/GPRS/EDGE 3TS; Frequency: 848.8 MHz

Medium parameters used: $f = 849$ MHz; $\sigma = 1$ mho/m; $\epsilon_r = 53.613$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(9.64, 9.64, 9.64); Calibrated: 1/27/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn679; Calibrated: 12/23/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (6x9x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.01 mW/g

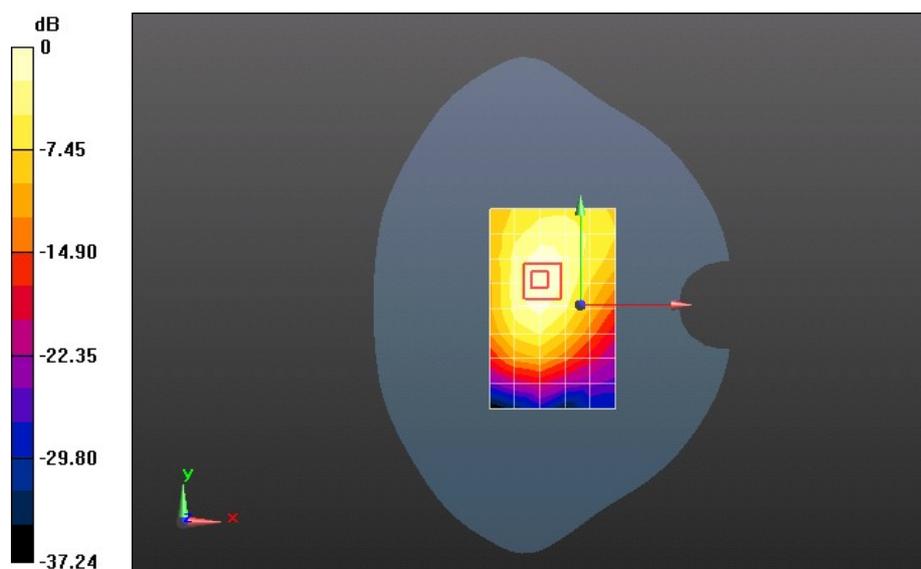
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 24.974 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.458 mW/g

SAR(1 g) = 0.912 mW/g; SAR(10 g) = 0.552 mW/g

Maximum value of SAR (measured) = 0.997 mW/g



0 dB = 1.01 mW/g = 0.12 dB mW/g

Test Laboratory: HUAWEI SAR Lab

E173u-1 GSM1900 GPRS 2TS 810CH Rear side 5mm

DUT: E173u-1; Type: HSPA USB Stick; Serial: SAR1

Communication System: HW-GSM/GPRS/EDGE 2TS; Frequency: 1909.8 MHz

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.567$ mho/m; $\epsilon_r = 52.63$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(7.89, 7.89, 7.89); Calibrated: 1/27/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn679; Calibrated: 12/23/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (6x9x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.908 mW/g

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

Reference Value = 23.478 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.464 mW/g

SAR(1 g) = 0.858 mW/g; SAR(10 g) = 0.466 mW/g

Maximum value of SAR (measured) = 0.954 mW/g

