

Appendix B. SAR Measurement Plots

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GSM 850 Next-to-Mouth(10mm)
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Test Laboratory: HUAWEI SAR/HAC Lab

KI-G03 GSM850 190CH Front side 10mm**DUT: K1-G03; Type: K1-G03; Serial: SAR1**

Communication System: UID 0, HW-GSM/GPRS/EGPRS-1TS (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 837$ MHz; $\sigma = 0.888$ S/m; $\epsilon_r = 41.978$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ζ Probe: ES3DV3 - SN3168; ConvF(6.32, 6.32, 6.32); Calibrated: 2015-9-28;
- ζ Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- ζ Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ζ Phantom: SAM2; Type: SAM; Serial: TP:1474
- ζ DASY52 52.8.8(1222);

Configuration/Body/Area Scan (8x9x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.481 W/kg

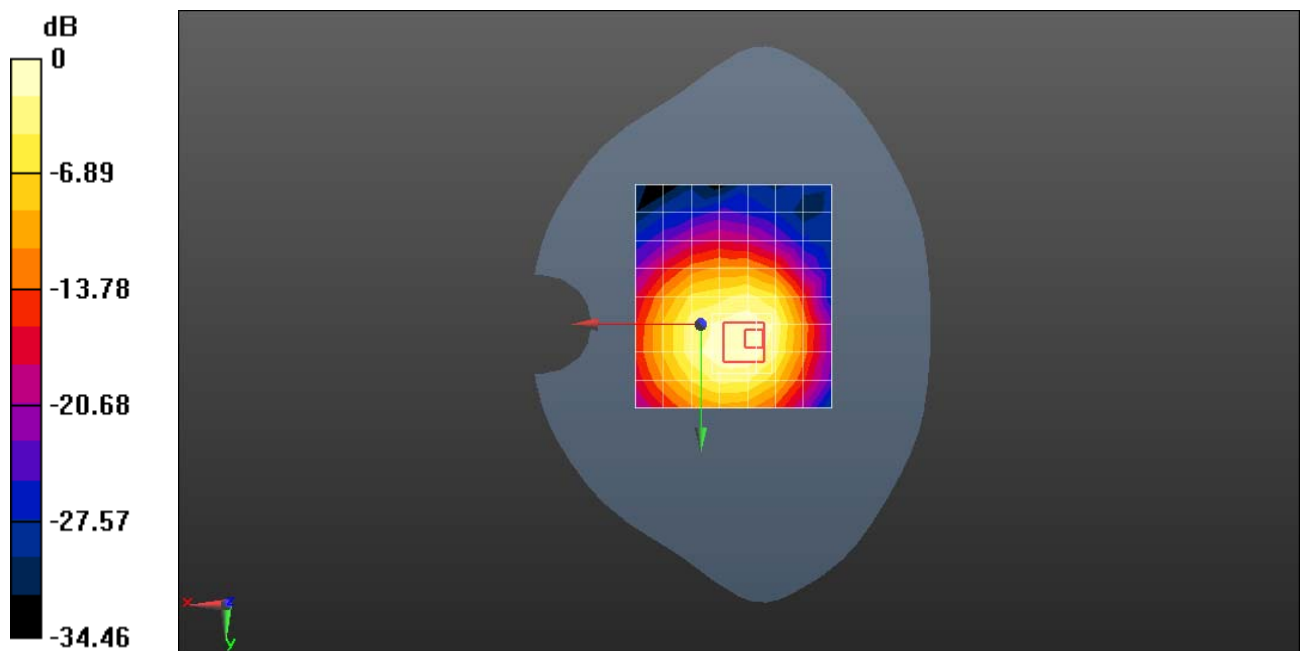
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 17.54 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.772 W/kg

SAR(1 g) = 0.417 W/kg; SAR(10 g) = 0.242 W/kg

Maximum value of SAR (measured) = 0.509 W/kg



0 dB = 0.481 W/kg = -3.18 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

KI-G03 GSM850 GPRS 4TS 190CH Back side 0mm**DUT: K1-G03; Type: K1-G03; Serial: SAR1**

Communication System: UID 0, HW-GSM\GPRS\EGPRS-4TS (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.0797

Medium parameters used: $f = 837$ MHz; $\sigma = 0.994$ S/m; $\epsilon_r = 54.358$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ζ Probe: EX3DV4 - SN3736; ConvF(8.76, 8.76, 8.76); Calibrated: 2015-4-30;
- ζ Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ζ Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ζ Phantom: SAM2; Type: SAM; Serial: TP:1474
- ζ DASY52 52.8.8(1222);

Configuration/Body/Area Scan (8x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 2.08 W/kg

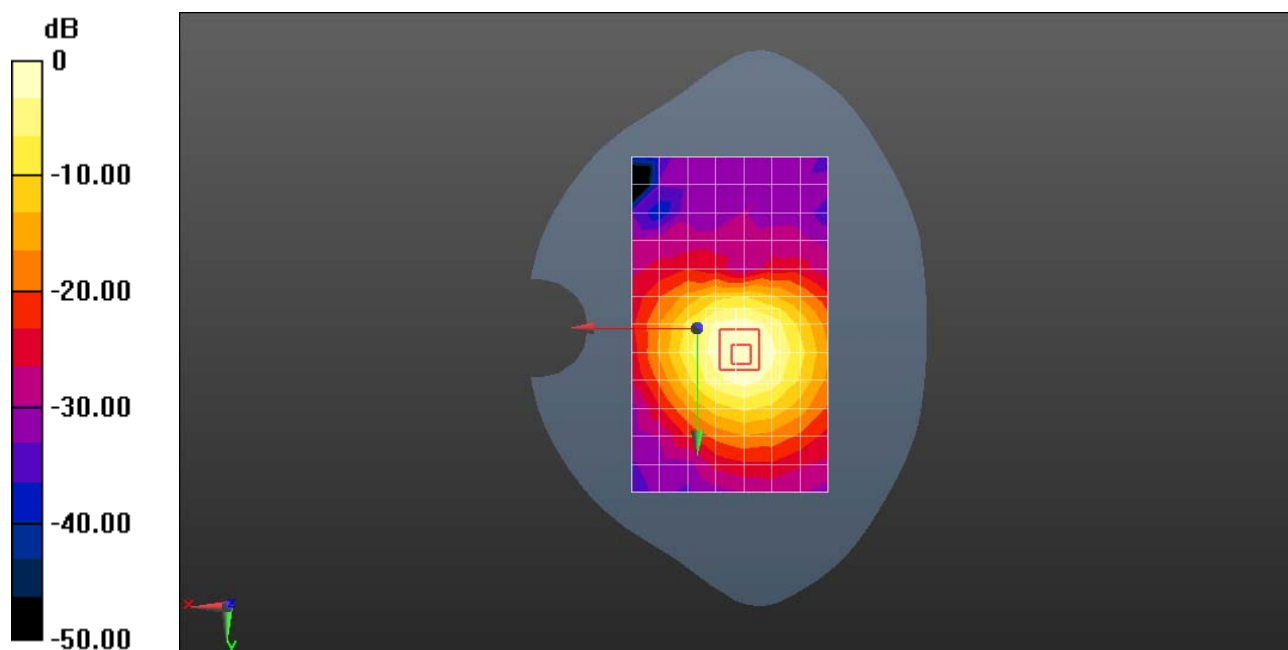
Configuration/Body/Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 40.71 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 2.63 W/kg

SAR(1 g) = 1.78 W/kg; SAR(10 g) = 1.15 W/kg

Maximum value of SAR (measured) = 2.02 W/kg



0 dB = 2.08 W/kg = 3.18 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

KI-G01 GSM1900 661CH Front side 10mm**DUT: K1-G03; Type: K1-G03; Serial: SAR1**

Communication System: UID 0, HW-GSM/GPRS/EGPRS-1TS (0); Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.398$ S/m; $\epsilon_r = 39.96$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ζ Probe: ES3DV3 - SN3168; ConvF(5.13, 5.13, 5.13); Calibrated: 2015-9-28;
- ζ Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- ζ Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ζ Phantom: SAM2; Type: SAM; Serial: TP:1474
- ζ DASY52 52.8.8(1222);

Configuration/Body/Area Scan (8x9x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.479 W/kg

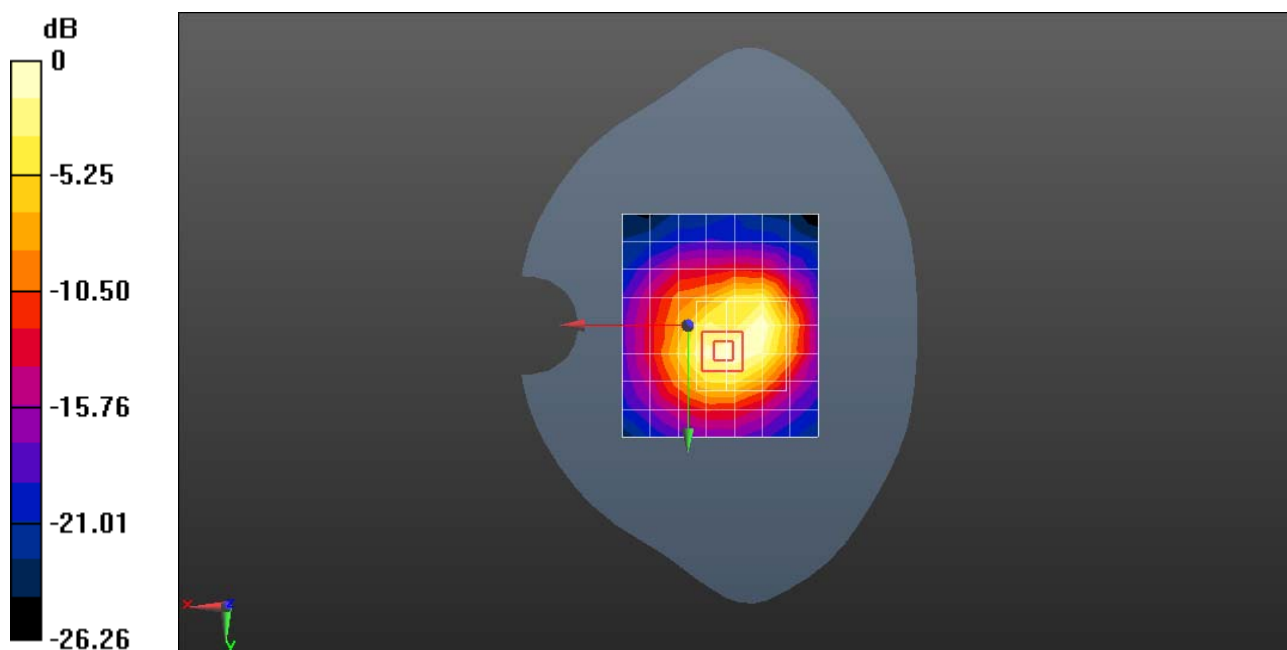
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 13.12 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.736 W/kg

SAR(1 g) = 0.411 W/kg; SAR(10 g) = 0.216 W/kg

Maximum value of SAR (measured) = 0.493 W/kg



0 dB = 0.479 W/kg = -3.20 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

KI-G03 GSM1900 GPRS 2TS 661CH Back side 0mm**DUT: K1-G03; Type: K1-G03; Serial: SAR1**

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.507$ S/m; $\epsilon_r = 51.768$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ζ Probe: ES3DV3 - SN3168; ConvF(4.74, 4.74, 4.74); Calibrated: 2015-9-28;
- ζ Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- ζ Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ζ Phantom: SAM1; Type: SAM; Serial: TP-1475
- ζ DASY52 52.8.8(1222);

Configuration/Body/Area Scan (8x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 3.03 W/kg

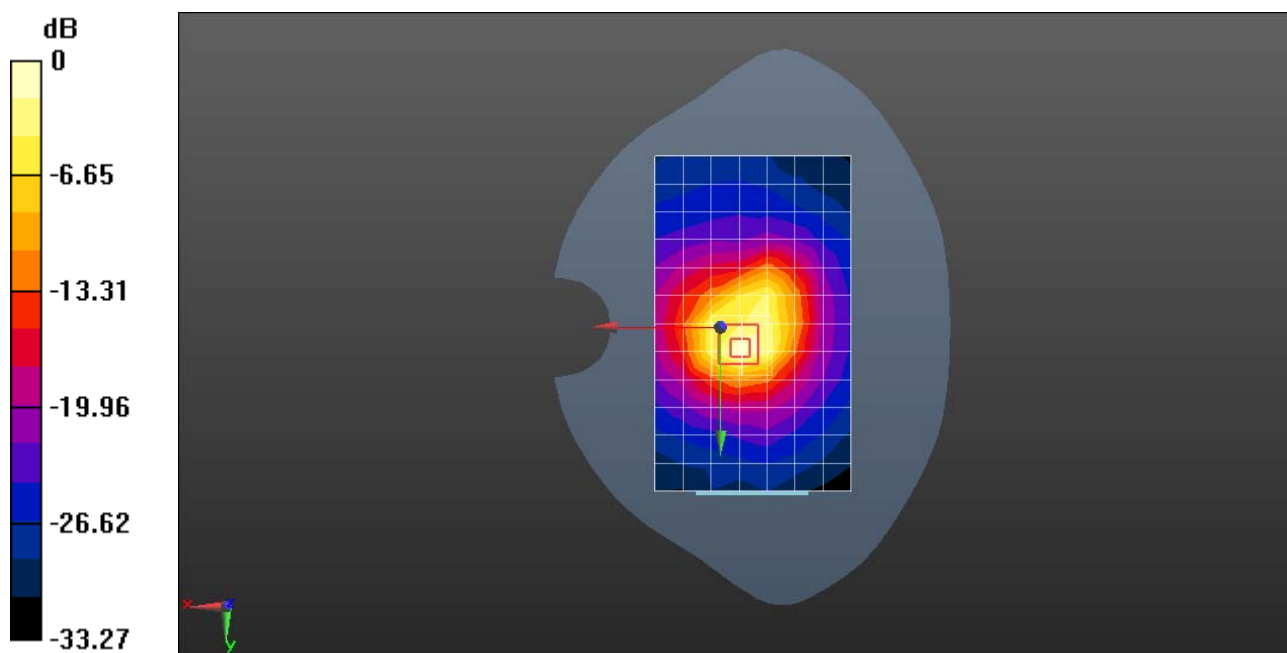
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 23.03 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 4.90 W/kg

SAR(1 g) = 2.44 W/kg; SAR(10 g) = 1.13 W/kg

Maximum value of SAR (measured) = 3.40 W/kg



0 dB = 3.03 W/kg = 4.81 dBW/kg