Appendix B. SAR Measurement Plots

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GSM 850 Body
GSM 1900 Body
LTE Band VII Body

Date: 2015-8-6

Test Laboratory: HUAWEI SAR/HAC Lab

K5160 GSM850 GPRS 2TS 251CH Back side-repeated 5mm

DUT: K5160; Type: Vodafone Connect USB speed 6; Serial: SAR1

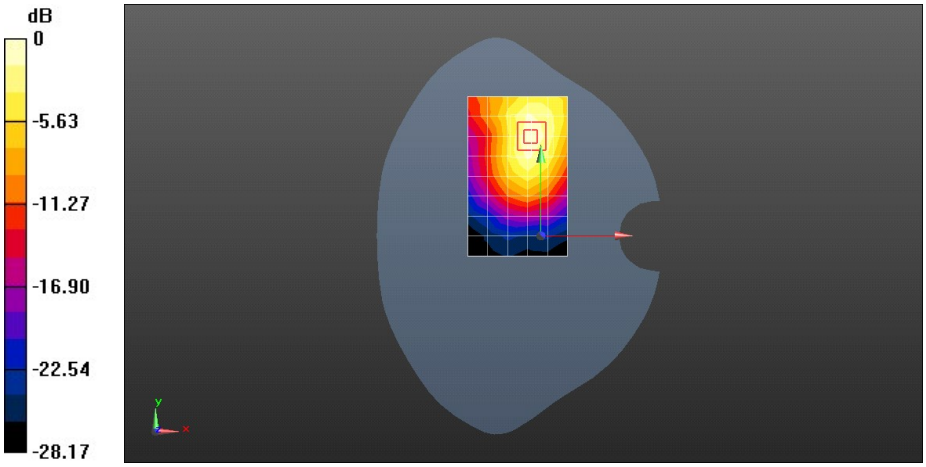
Communication System: UID 0, HW-GSM\GPRS\EGPRS-2TS (0); Frequency: 848.8 MHz;Duty Cycle: 1:4.10015
Medium parameters used: f = 849 MHz; σ = 1.021 S/m; ε_r = 56.781; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(9.42, 9.42, 9.42); Calibrated: 2015-1-8;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.08 W/kg

Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.962 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 1.41 W/kg
SAR(1 g) = 0.925 W/kg; SAR(10 g) = 0.567 W/kg
Maximum value of SAR (measured) = 1.11 W/kg



0 dB = 1.08 W/kg = 0.33 dBW/kg

Date: 2015-8-6

Test Laboratory: HUAWEI SAR/HAC Lab

K5160 GSM1900 GPRS 2TS 661CH Back side 5mm

DUT: K5160; Type: Vodafone Connect USB speed 6; Serial: SAR1

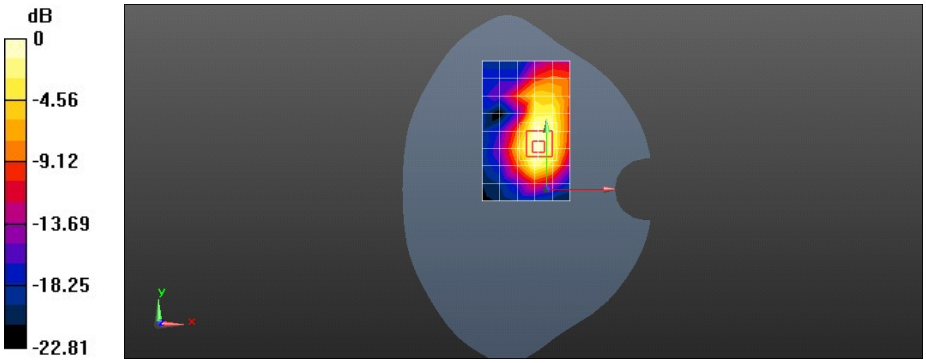
Communication System: UID 0, HW-GSM\GPRS\EGPRS-2TS (0); Frequency: 1880 MHz;Duty Cycle: 1:4.10015
Medium parameters used: f = 1880 MHz; σ = 1.559 S/m; ε_r = 52.973; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(7.82, 7.82, 7.82); Calibrated: 2015-1-8;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.623 W/kg

Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.061 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.813 W/kg
SAR(1 g) = 0.535 W/kg; SAR(10 g) = 0.316 W/kg
Maximum value of SAR (measured) = 0.632 W/kg



0 dB = 0.623 W/kg = -2.06 dBW/kg

Date: 2015-8-13

Test Laboratory: HUAWEI SAR/HAC Lab

K5160 LTE Band VII 20M QPSK 1RB#0 21350CH Front side 5mm

DUT: K5160; Type: Vodafone Connect USB speed 6; Serial: SAR1

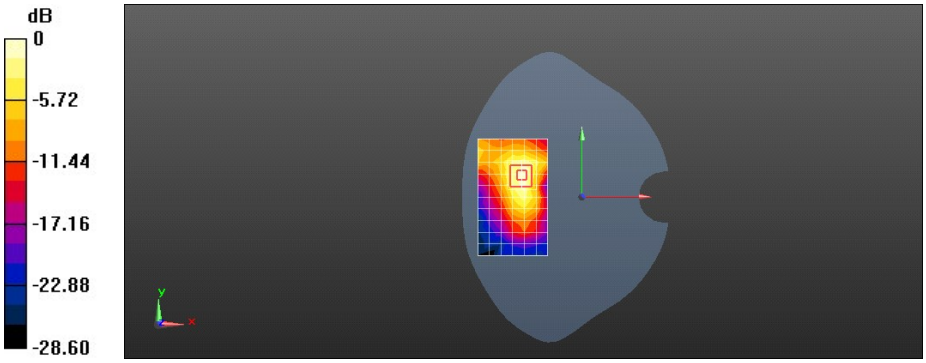
Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2560 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2560 MHz; σ = 2.179 S/m; ε_r = 51.07; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(7.15, 7.15, 7.15); Calibrated: 2015-1-8;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x11x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.944 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.982 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.43 W/kg
SAR(1 g) = 0.747 W/kg; SAR(10 g) = 0.362 W/kg
Maximum value of SAR (measured) = 0.975 W/kg



0 dB = 0.944 W/kg = -0.25 dBW/kg