Appendix B:SAR Measurement results Plots

Table of contents
GSM850 - Body
GSM1900 - Body
WCDMA Band V - Body
WCDMA Band II - Body
WiFi 2.4G - Body

Test Laboratory: CTI SAR Lab

WPPC23 GSM850 GPRS 4TS 190CH Right Side 0mm

DUT: WisePad 2 Plus; Type: WPPC23; Serial: NA

Communication System: UID 0, GPRS 4TS (0); Communication System Band: GSM850 GPRS 4TS; Frequency: 836.6 MHz;Duty Cycle: 1:2.0797

Medium parameters used: f = 837 MHz; σ = 0.963 S/m; ε_r = 54.385; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(10.19, 10.19, 10.19); Calibrated: 2/28/2017;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1458; Calibrated: 2/22/2017
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (11x13x1): Measurement grid: dx=15mm, dy=15mm
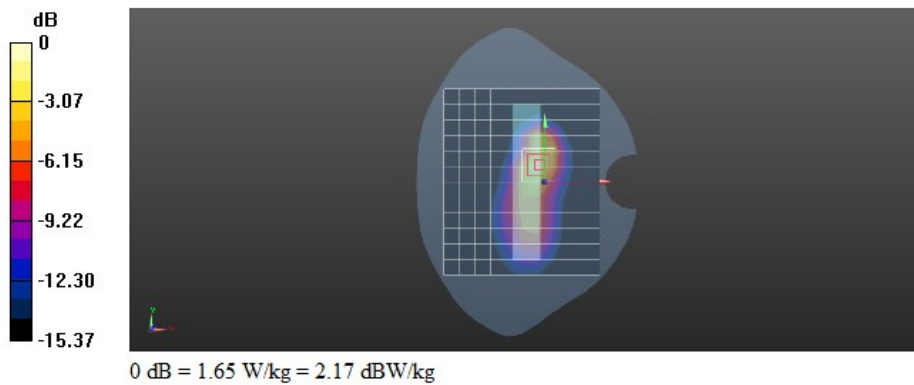
Maximum value of SAR (measured) = 1.61 W/kg

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

Reference Value = 25.64 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 2.10 W/kg

SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.633 W/kg

Maximum value of SAR (measured) = 1.65 W/kg

0 dB = 1.65 W/kg = 2.17 dBW/kg

Test Laboratory: CTI SAR Lab

WPPC23 GSM1900 GPRS 4TS 661CH Right Side 0mm

DUT: WisePad 2 Plus; Type: WPPC23; Serial: NA

Communication System: UID 0, GPRS 4TS (0); Communication System Band: GSM1900 GPRS 4TS; Frequency: 1880 MHz; Duty Cycle: 1:2.0797

Medium parameters used: f = 1880 MHz; σ = 1.469 S/m; $ε_r$ = 51.392; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(8.02, 8.02, 8.02); Calibrated: 2/28/2017;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1458; Calibrated: 2/22/2017
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (11x13x1): Measurement grid: dx=15mm, dy=15mm
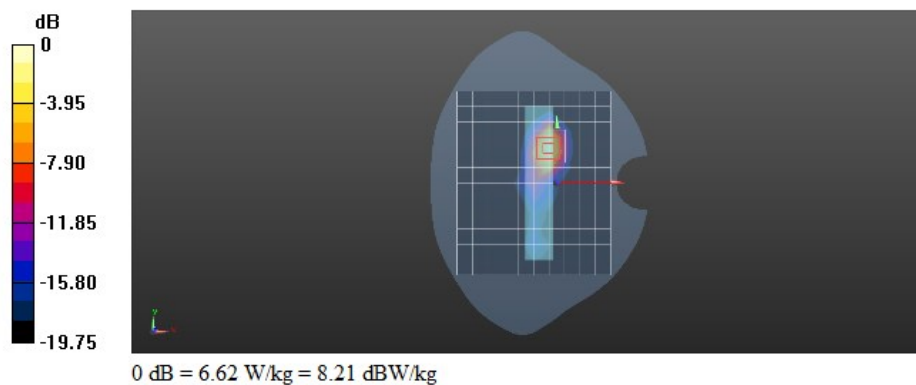Maximum value of SAR (measured) = 6.34 W/kg

Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.59 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 8.46 W/kg
SAR(1 g) = 4.46 W/kg; SAR(10 g) = 2.12 W/kg
Maximum value of SAR (measured) = 6.62 W/kg

0 dB = 6.62 W/kg = 8.21 dBW/kg

Test Laboratory: CTI SAR Lab

WPPC23 UMTS Band V 4182CH Right Side 0mm

DUT: WisePad 2 Plus; Type: WPPC23; Serial: NA

Communication System: UID 0, UMTS-FDD(WCDMA) (0); Communication System Band: Band V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.964 S/m; ε_r = 54.37; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(10.19, 10.19, 10.19); Calibrated: 2/28/2017;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1458; Calibrated: 2/22/2017
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (11x13x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.617 W/kg

Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
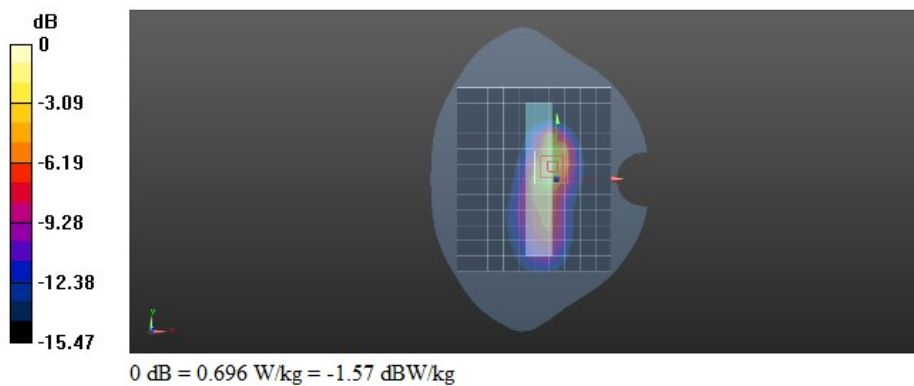Reference Value = 17.94 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.906 W/kg
SAR(1 g) = 0.481 W/kg; SAR(10 g) = 0.261 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.696 W/kg

0 dB = 0.696 W/kg = -1.57 dBW/kg

Test Laboratory: CTI SAR Lab

WPPC23 UMTS Band II 9400CH Right Side 0mm

DUT: WisePad 2 Plus; Type: WPPC23; Serial: NA

Communication System: UID 0, UMTS-FDD(WCDMA) (0); Communication System Band: Band II; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.469 S/m; ε_r = 51.392; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(8.02, 8.02, 8.02); Calibrated: 2/28/2017;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1458; Calibrated: 2/22/2017
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (11x13x1): Measurement grid: dx=15mm, dy=15mm
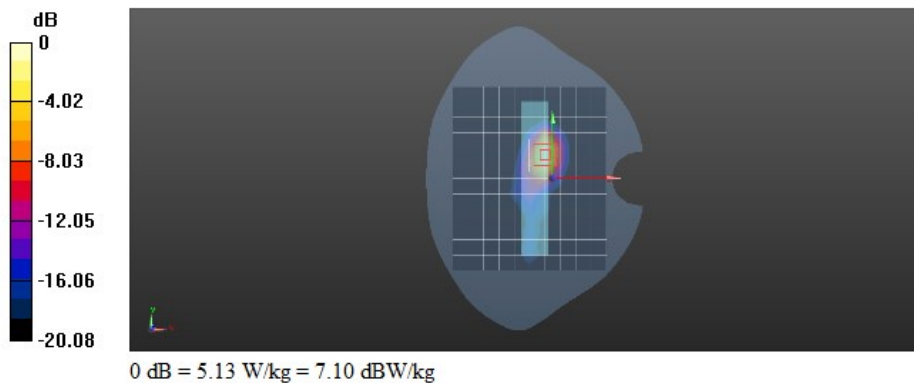Maximum value of SAR (measured) = 4.48 W/kg

Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.71 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 6.52 W/kg
SAR(1 g) = 3.43 W/kg; SAR(10 g) = 1.62 W/kg
Maximum value of SAR (measured) = 5.13 W/kg

0 dB = 5.13 W/kg = 7.10 dBW/kg

Test Laboratory: CTI SAR Lab

WPPC23 WiFi 802.11b 6CH Left Side with Zomm 0mm

DUT: WisePad 2 Plus; Type: WPPC23; Serial: NA

Communication System: UID 0, WiFi 802.11 a/b/g/n/ac (0); Communication System Band: WiFi; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: f = 2437 MHz; σ = 1.933 S/m; ε_r = 51.397; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.61, 7.61, 7.61); Calibrated: 2/28/2017;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1458; Calibrated: 2/22/2017
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (14x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.960 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.345 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.96 W/kg
SAR(1 g) = 0.837 W/kg; SAR(10 g) = 0.333 W/kg
Maximum value of SAR (measured) = 1.35 W/kg

0 dB = 1.35 W/kg = 1.30 dBW/kg