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

WPC23 GSM850 GPRS 4TS 251CH Right Side 0mm

DUT: WisePad; Type: WPC23; Serial: WPC234710000163

Communication System: UID 0, GPRS 4TS (0); Communication System Band: GSM850 GPRS 4TS; Frequency: 848.8 MHz;Duty Cycle: 1:2.0797
Medium parameters used: f = 849 MHz; σ = 0.972 S/m; ε_r = 54.274; 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) = 5.84 W/kg

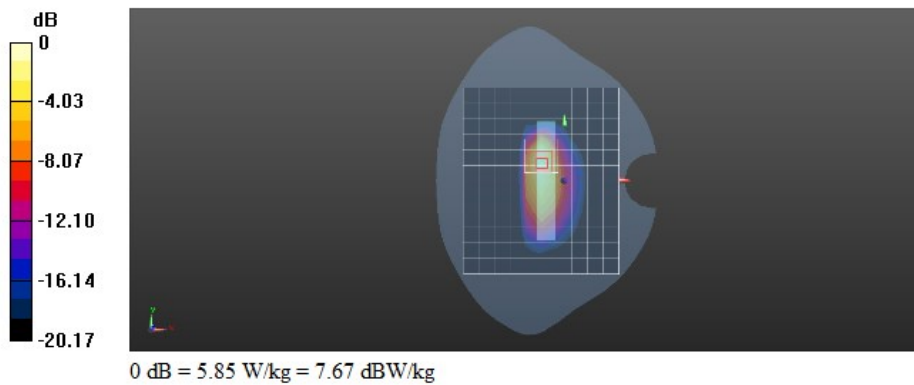**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 57.84 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 7.96 W/kg
SAR(1 g) = 3.72 W/kg; SAR(10 g) = 1.9 W/kg
Maximum value of SAR (measured) = 5.85 W/kg

0 dB = 5.85 W/kg = 7.67 dBW/kg

Test Laboratory: CTI SAR Lab

WPC23 GSM1900 GPRS 4TS 810CH Back Side-Repeated 0mm

DUT: WisePad; Type: WPC23; Serial: WPC234710000163

Communication System: UID 0, GPRS 4TS (0); Communication System Band: GSM1900 GPRS 4TS; Frequency: 1909.8 MHz;Duty Cycle: 1:2.0797

Medium parameters used: f = 1910 MHz; σ = 1.518 S/m; ε_r = 51.182; 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) = 6.29 W/kg

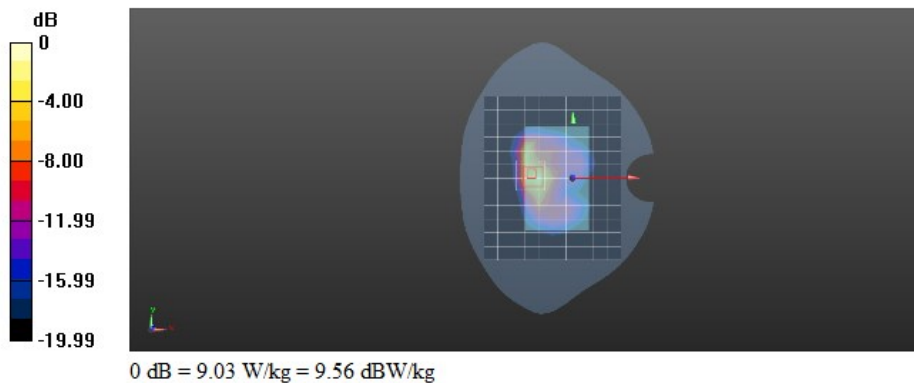**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.22 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 12.8 W/kg
SAR(1 g) = 6.25 W/kg; SAR(10 g) = 2.88 W/kg
Maximum value of SAR (measured) = 9.03 W/kg

0 dB = 9.03 W/kg = 9.56 dBW/kg

Test Laboratory: CTI SAR Lab

WPC23 UMTS Band V 4182CH Right Side 0mm

DUT: WisePad; Type: WPC23; Serial: WPC234710000163

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) = 1.86 W/kg

Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
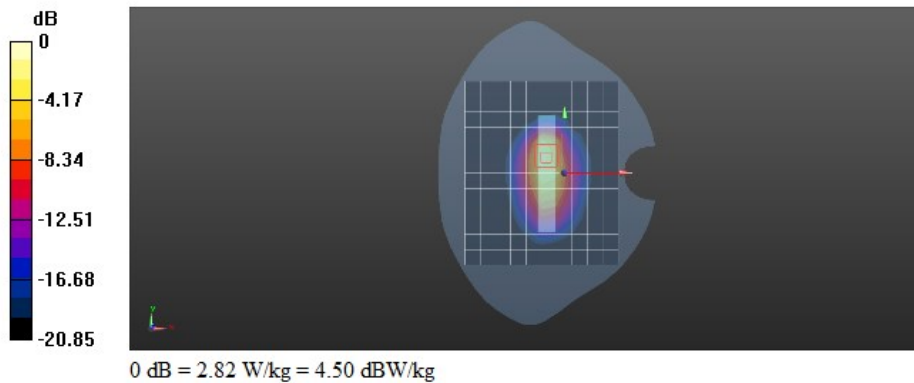Reference Value = 40.73 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 3.93 W/kg
SAR(1 g) = 1.73 W/kg; SAR(10 g) = 0.860 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.82 W/kg

0 dB = 2.82 W/kg = 4.50 dBW/kg

Test Laboratory: CTI SAR Lab

WPC23 UMTS Band II 9400CH Back Side 0mm

DUT: WisePad; Type: WPC23; Serial: WPC234710000163

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 = 1.495 S/m; ε_r = 51.328; 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
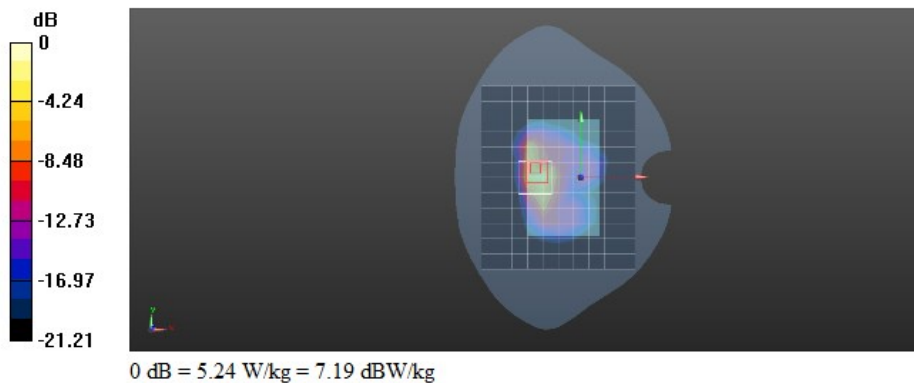Maximum value of SAR (measured) = 3.51 W/kg

Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.90 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 6.89 W/kg
SAR(1 g) = 3.39 W/kg; SAR(10 g) = 1.52 W/kg
Maximum value of SAR (measured) = 5.24 W/kg

0 dB = 5.24 W/kg = 7.19 dBW/kg

Test Laboratory: CTI SAR Lab

WPC23 WiFi 802.11b 6CH Left Side with Zoom 0mm

DUT: WisePad; Type: WPC23; Serial: WPC234710000163

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 = 1.946 S/m; ε_r = 51.751; 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) = 0.648 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.35 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 1.45 W/kg
SAR(1 g) = 0.645 W/kg; SAR(10 g) = 0.265 W/kg
Maximum value of SAR (measured) = 1.04 W/kg

0 dB = 1.04 W/kg = 0.17 dBW/kg