

Appendix B:SAR Measurement results Plots

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GSM850- Body & Limbs
GSM1900- Body & Limbs

Test Laboratory: CTI SAR Lab

R500 Data Collector GSM850 GPRS 4TS 251CH Front Side 5mm**DUT: R500 Data Collector; Type: R500; Serial: NA**

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; $\sigma = 0.954$ S/m; $\epsilon_r = 54.11$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(10.16, 10.16, 10.16); Calibrated: 3/1/2019;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 2/26/2019
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: 2024
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (10x18x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.43 W/kg

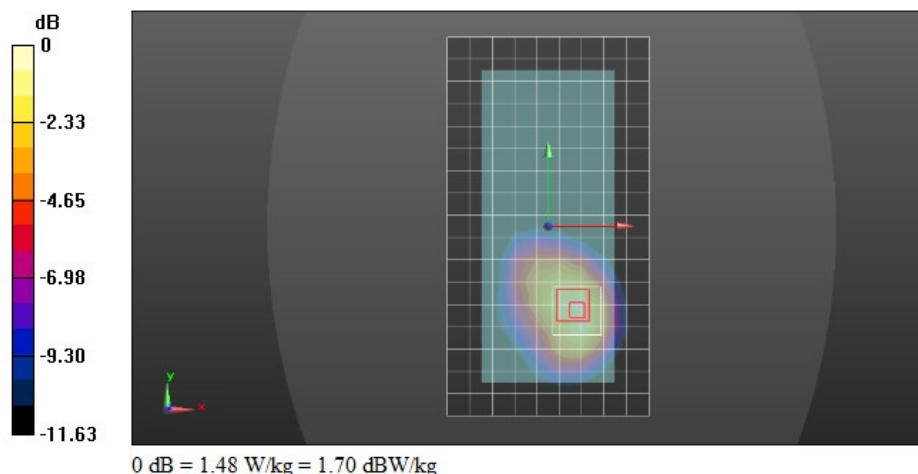
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 8.962 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.71 W/kg

SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.725 W/kg

Maximum value of SAR (measured) = 1.48 W/kg



Test Laboratory: CTI SAR Lab

R500 Data Collector GSM1900 GPRS 4TS 512CH Front Side 5mm with SIM2**DUT: R500 Data Collector; Type: R500; Serial: NA**

Communication System: UID 0, GPRS 4TS (0); Communication System Band: GSM1900 GPRS 4TS; Frequency: 1850.2 MHz; Duty Cycle: 1:2.0797

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.454$ S/m; $\epsilon_r = 51.751$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.9, 7.9, 7.9); Calibrated: 3/1/2019;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 2/26/2019
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: 2024
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (9x17x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.726 W/kg

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

Reference Value = 9.374 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.952 W/kg

SAR(1 g) = 0.551 W/kg; SAR(10 g) = 0.322 W/kg

Maximum value of SAR (measured) = 0.792 W/kg

