

<b>Appendix A:SAR System performance Check Plots</b>
<b>Table of contents</b>
<b>System Performance Check-D835</b>
<b>System Performance Check-D1900</b>

Test Laboratory: CTI SAR Lab

**Systemcheck-835-Body****DUT: Dipole 835 MHz D835V2; Type: D835V2; Serial: D835V2 - SN:4d193**

Communication System: UID 0, CW (0); Communication System Band: D835(835.0 MHz); Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.946$  S/m;  $\epsilon_r = 54.134$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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/d=15mm,Pin=250mW/Area Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.82 W/kg

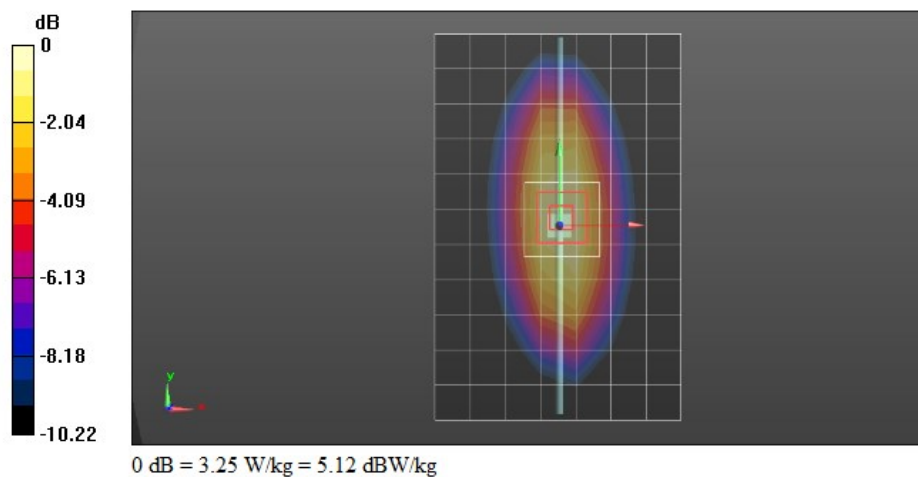
**Configuration/d=15mm,Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 52.09 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 3.65 W/kg

**SAR(1 g) = 2.43 W/kg; SAR(10 g) = 1.61 W/kg**

Maximum value of SAR (measured) = 3.25 W/kg



Test Laboratory: CTI SAR Lab

**Systemcheck 1900-Body****DUT: D1900V2 - SN5d198; Type: D1900V2; Serial: SN5d198**

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.518$  S/m;  $\epsilon_r = 51.634$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.9, 7.9, 7.9); Calibrated: 3/1/2019;
- Sensor-Surface: 2mm (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/d=10mm,Pin=250mW/Area Scan (8x8x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 11.5 W/kg

**Configuration/d=10mm,Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 82.42 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 18.1 W/kg

**SAR(1 g) = 10.2 W/kg; SAR(10 g) = 5.39 W/kg**

Maximum value of SAR (measured) = 13.8 W/kg

