

Appendix B

System Check Plots

System Performance Check-750MHz-Body

SystemPerformanceCheck-750MHz

Communication System: UID 0, CW (0); Frequency: 750 MHz

Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.967 \text{ S/m}$; $\epsilon_r = 53.993$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7383; ConvF(10.4, 10.4, 10.4); Calibrated: 2016/12/27;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE3 Sn427; Calibrated: 2016/12/9
- Phantom: SAM v5.0; Type: QD000P40CD; Serial: TP:1805
- DASY52 52.10.0(1442); SEMCAD X 14.6.10(7413)

Configuration/D750V3/Area Scan (7x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 2.52 W/kg

Configuration/D750V3/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 49.39 V/m ; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 3.25 W/kg

SAR(1 g) = 2.16 W/kg ; SAR(10 g) = 1.42 W/kg

Maximum value of SAR (measured) = 2.54 W/kg

