

APPENDIX B: SYSTEM VERIFICATION

PCTEST

DUT: Dipole 850 MHz; Type: D850V2; Serial: 1010

Communication System: UID 0, CW; Frequency: 850 MHz; Duty Cycle: 1:1

Medium: 850 Head Medium parameters used:

$f = 850 \text{ MHz}$; $\sigma = 0.943 \text{ S/m}$; $\epsilon_r = 40.102$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 06/15/2021; Ambient Temp: 21.5°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7532; ConvF(10.26, 10.26, 10.26) @ 850 MHz; Calibrated: 4/19/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn501; Calibrated: 4/13/2021

Phantom: ELI V8.0; Type: QD OVA 004 Ax; Serial: 2077

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

850 MHz System Verification at 23.0 dBm (200 mW)

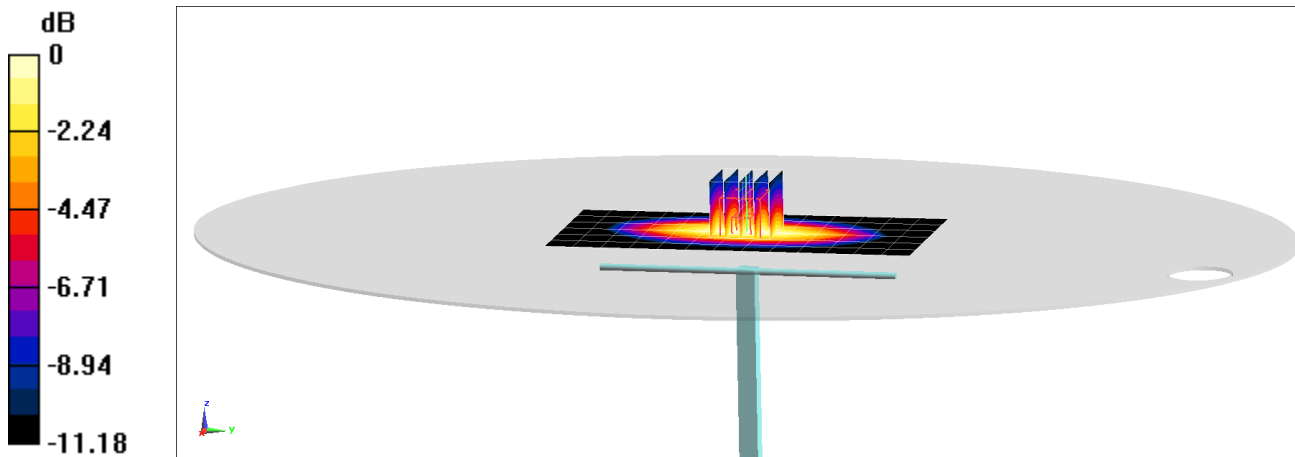
Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 2.92 W/kg

SAR(1 g) = 1.85 W/kg

Deviation(1 g) = -6.00%



0 dB = 2.54 W/kg = 4.05 dBW/kg