

APPENDIX A: SAR TEST DATA

PCTEST

DUT: 2ADAL-WPT1; Type: Wireless Charger; Serial: 0006

Communication System: UID 0, CW; Frequency: 917.5 MHz; Duty Cycle: 1:1

Medium: 850 Head; Medium parameters used (interpolated):

$f = 917.5 \text{ MHz}$; $\sigma = 0.964 \text{ S/m}$; $\epsilon_r = 39.955$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 0 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) @ 917.5 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)

Mode: WPT (917.5 MHz), Body SAR, Top Edge

Area Scan (13x18x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (8x7x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

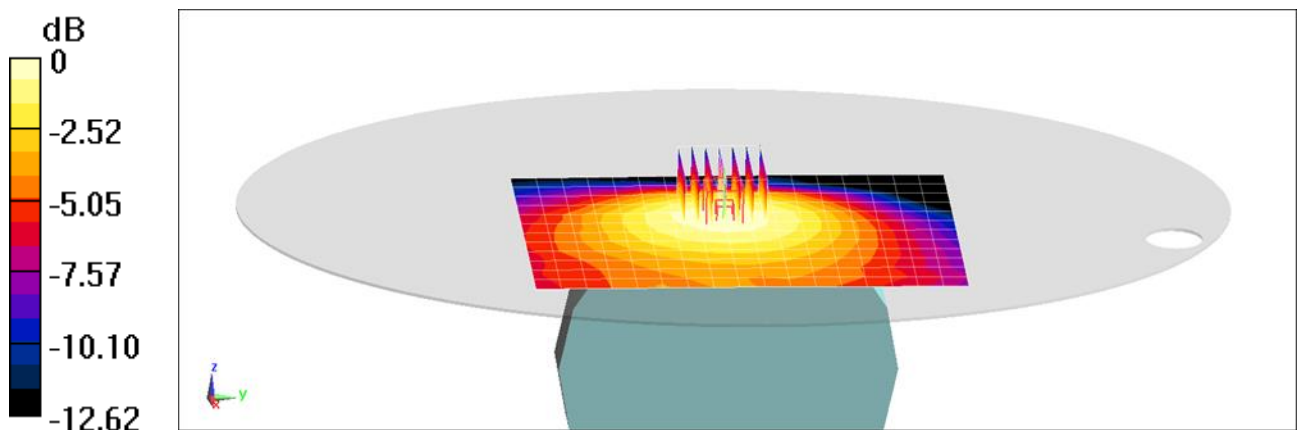
Reference Value = 20.15 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.627 W/kg

SAR(1 g) = 0.449 W/kg

Smallest distance from peaks to all points 3 dB below = 40 mm

Ratio of SAR at M2 to SAR at M1 = 71.3%



0 dB = 0.569 W/kg = -2.45 dBW/kg