

## APPENDIX A: SAR TEST DATA

# PCTEST

**DUT: 2AI4Q-SBW; Type: Desktop Wireless Charger; Serial: 2042**

Communication System: UID 0, CW; Frequency: 917.5 MHz; Duty Cycle: 1:1  
Medium: 850 Body Medium parameters used (interpolated):  
 $f = 917.5$  MHz;  $\sigma = 1.031$  S/m;  $\epsilon_r = 53.743$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section; Space: 0 cm

Test Date: 09-09-2020; Ambient Temp: 22.1°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7490; ConvF(10.18, 10.18, 10.18) @ 917.5 MHz; Calibrated: 12/13/2019  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Electronics: DAE4 Sn1532; Calibrated: 12/5/2019  
Phantom: Twin-SAM V4.0 SUB; Type: QD 000 P40 CC; Serial: 1402  
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

**Mode: WPT (917.5 MHz), Body SAR, Right Side**

**Area Scan (11x9x1):** Measurement grid: dx=15mm, dy=15mm

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

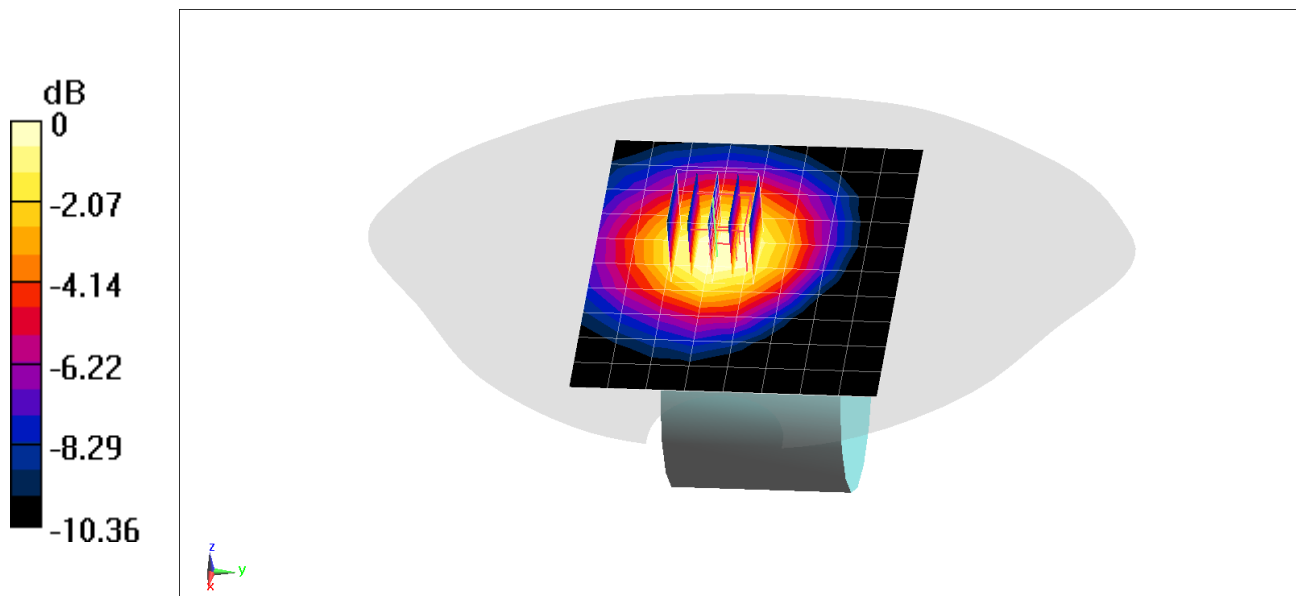
Reference Value = 12.53 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.229 W/kg

**SAR(1 g) = 0.157 W/kg**

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 68.9%



0 dB = 0.199 W/kg = -7.01 dBW/kg