

APPENDIX A: SAR TEST PLOTS

ELEMENT

DUT: BCGA2538; Type: Stylus Pen; Serial: D9MHHY0DH0

Communication System: UID:10670 - AAA, Bluetooth; MAIA: Y; Frequency: 2480.000 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2480.000$ MHz; $\text{cond} = 1.89$ S/m; $\text{perm} = 38.1$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 01/04/2024; Ambient Temp: 21.1 °C; Tissue Temp: 23.4 °C

Probe: EX3DV4 - SN7546; ConvF:(7.29,7.29,7.29); Calibrated: 2023-04-14

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1402; Calibrated: 2023-04-14

Phantom: Twin-SAM V8.0; Serial: 1935

Measurement SW: DASY Module SAR V16.2.4.2524

Mode: Bluetooth, Antenna 1, Exp: Body| Bottom Edge, Ch. 39

Area Scan (200.0 x 53.1): Measurement grid: $dx=10.0$ mm, $dy=8.85$ mm

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: $dx=3.4$ mm, $dy=3.4$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

Reference Value = 0.18 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.632 W/kg

SAR(1 g) = 0.155 W/kg

Smallest distance from peaks to all points 3 dB below is 4.4 mm

Ratio of SAR at M2 to SAR at M1 = 56.0 %

