

APPENDIX A: TEST PLOTS

ELEMENT

DUT: BCGA2436; Type: Tablet Device; Serial: 2070TW

Communication System: UID:10755 - AAC, WLAN; MAIA: Y; Frequency: 6985.0 MHz
Medium: 6000 Head; Medium parameters used:
f = 6985.0 MHz; cond = 6.45 S/m; perm = 33.2; density = 1000 kg/m³
Phantom Section: Flat; Space: 0.00 mm

Test Date: 07/15/2022; Ambient Temp: 21.9°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7421; ConvF:(5.3,5.3,5.3); Calibrated: 2022-03-22
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn604; Calibrated: 2022-03-22
Phantom: Twin-SAM V4.0; Serial: 1275
Measurement SW: DASY Module SAR V16.0.2.136

**Mode: IEEE 802.11ax, U-NII-8, Antenna 5T, Variant 2, 160 MHz Bandwidth,
Body SAR, Right Edge, Ch. 207, 68.1 Mbps**

Area Scan (40.0 x 323.0): Measurement grid: dx=5.0 mm, dy=8.5 mm

Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=3.4 mm, dy=3.4 mm, dz=1.4 mm; Graded
Ratio: 1.4

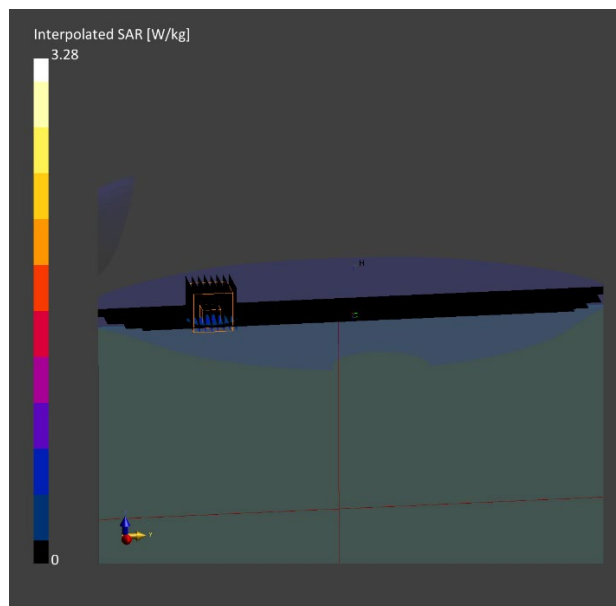
Reference Value = 0.67 W/kg; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 3.28 W/kg

SAR(1 g) = 0.579 W/kg; SAR(10 g) = 0.161 W/kg; APD(4 cm²) = 3.74 W/m²

Smallest distance from peaks to all points 3 dB below is 5.6 mm

Ratio of SAR at M2 to SAR at M1 = 45.5 %



ELEMENT

Date: 07/19/2022

Antenna 5B; Variant 2; Channel 111; 802.11ax

Device Under Test Properties

DUT	Serial Number	DUT Type
BCGA2436	2070TW	Tablet Device

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	RIGHT	2.00	111	WLAN, 10755	6505.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9364, 6/16/2022	DAE4 SN1333, 10/20/2021

Software Setup

Software	Software Version
cDASY6 Module mmWave	3.0.0.841

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	60x60
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm ²]	4.00
pS _{tot} avg [W/m ²]	3.51
pS _n avg [W/m ²]	3.13
E _{peak} [V/m]	51.5
Power Drift [dB]	-0.10

