

APPENDIX A: TEST PLOTS

ELEMENT

DUT: BCGA2435; Type: Tablet Device; Serial: NVH3X4

Communication System: UID:10755 - AAC, WLAN; MAIA: Y; Frequency: 6505.0 MHz

Medium: 6000 Head; Medium parameters used:

$f = 6505.0$ MHz; $\text{cond} = 6.24$ S/m; $\text{perm} = 35.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 07/01/2022; Ambient Temp: 22.7°C; Tissue Temp: 20.4°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 4a, Variant 1, 160 MHz Bandwidth,
Body SAR, Back Side, Ch. 111, 68.1 Mbps**

Area Scan (221.0 x 289.0): Measurement grid: $dx=8.5$ 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

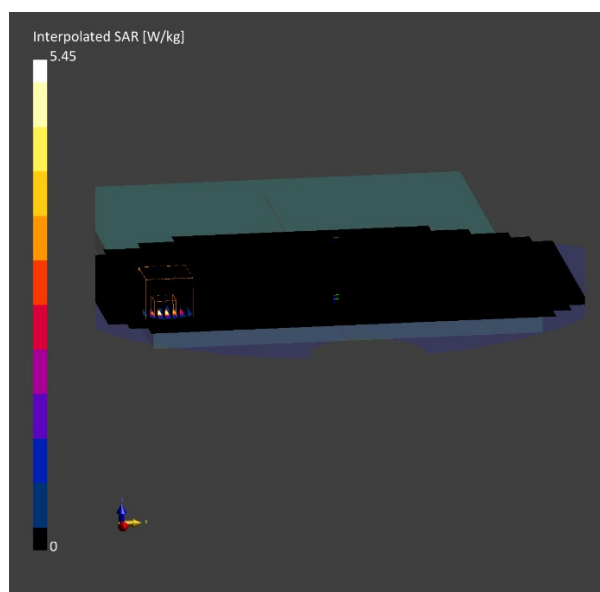
Reference Value = 1.04 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 5.45 W/kg

SAR(1 g) = 0.850 W/kg; SAR(10 g) = 0.168 W/kg; APD(4 cm²) = 4.05 W/m²

Smallest distance from peaks to all points 3 dB below is 3.7 mm

Ratio of SAR at M2 to SAR at M1 = 45.9 %



ELEMENT

Date: 08/26/2022

Antenna 5B; Variant 2; Channel 207; 802.11ax

Device Under Test Properties

DUT	Serial Number	DUT Type
BCGA2435	00NCF0	Tablet Device

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	RIGHT	2.00	207	WLAN, 10755	6985.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9364, 06/16/2022	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 [cm²]	4.00
pS _{tot} avg [W/m²]	3.88
pS _n avg [W/m²]	3.26
E _{peak} [V/m]	61.7
Power Drift [dB]	0.08

