

APPENDIX A: SAR TEST PLOTS

ELEMENT

DUT: A3LSMX820; Type: Portable Computing Device; Serial: 0784M

Communication System: UID:10415 - AAA, WLAN; MAIA: Y; Frequency: 2437.000 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2437.000$ MHz; $\text{cond} = 1.82$ S/m; $\text{perm} = 40.1$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15.00 mm

Test Date: 07/25/2024; Ambient Temp: 21.8°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7402; ConvF:(7.18,7.92,7.51); Calibrated: 2024-05-10

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

Electronics: DAE4 Sn1502; Calibrated: 2024-05-08

Phantom: Twin-SAM V5.0; Serial: 1797

Measurement SW: DASY Module SAR V16.2.4.2524

**Mode: 2.4 GHz WIFI/ IEEE 802.11b, Antenna MIMO, 20 MHz Bandwidth,
Exp: Tablet| Right Edge, Ch. 6, 1Mbps**

Area Scan (40.0 x 320.0): Measurement grid: $dx=5.0$ mm, $dy=10.0$ mm

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

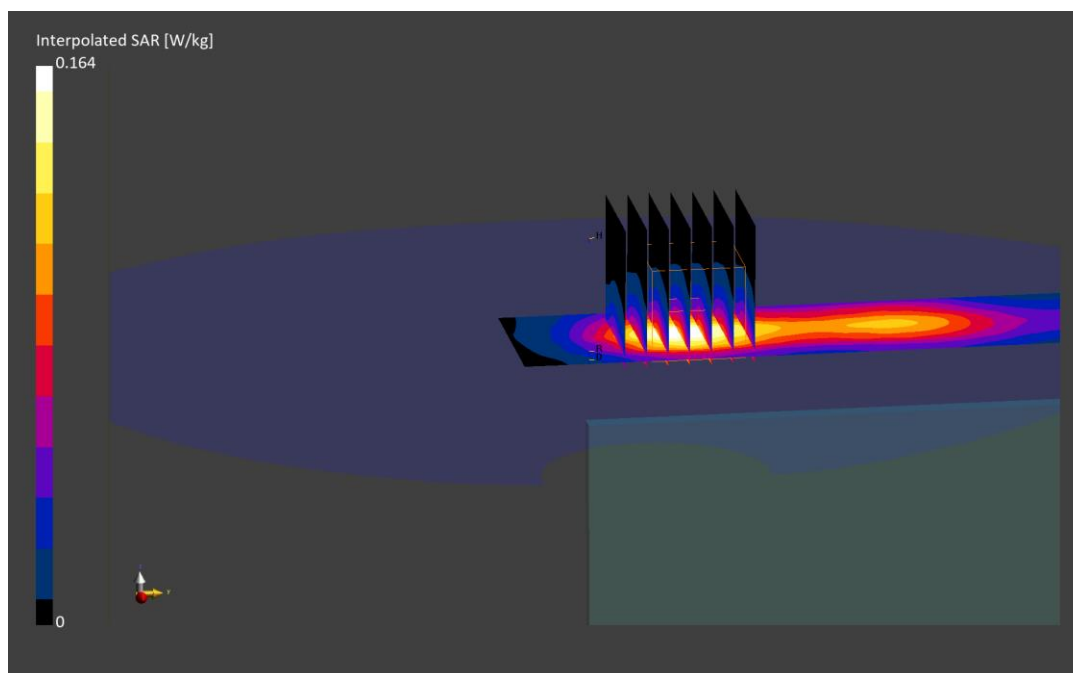
Reference Value = 0.08 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.164 W/kg

SAR(1 g) = 0.089 W/kg

Smallest distance from peaks to all points 3 dB below is 15.3 mm

Ratio of SAR at M2 to SAR at M1 = 82.6 %



Element

Date: 2024-07-01

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMX820	0835M	Portable Computing Device

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	EDGE LEFT	2.00	7	10719	5985.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV4 - SN9622, 2024-02-02	DAE4ip - SN1639, 2023-11-15

Software Setup

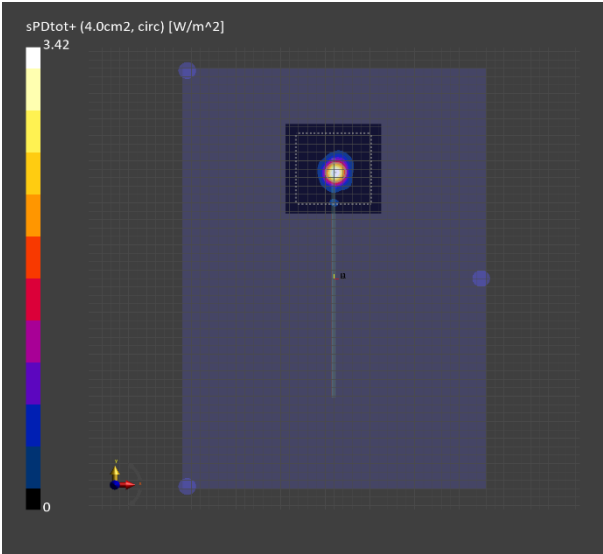
Software	Software Version
cDASY6 Module mmWave	3.2.0.1840

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 100.0
Grid Steps [lambda]	0.125 x 0.125
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm²]	4.00
pS _{tot} avg [W/m²]	2.20
pS _n avg [W/m²]	3.42
E _{peak} [V/m]	14.9
Power Drift [dB]	-0.01



Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMX828	0835M	Portable Computing Device

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	EDGE BOTTOM	2.00	103	10719	6465.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV4 – SN9622, 2024-02-02	DAE4ip – SN1639, 2023-11-15

Software Setup

Software	Software Version
cDASY6 Module mmWave	3.2.0.1840

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 100.0
Grid Steps [lambda]	0.125 x 0.125
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm²]	4.00
pS _{tot} avg [W/m²]	0.439
pS _n avg [W/m²]	0.485
E _{peak} [V/m]	16.8
Power Drift [dB]	-0.19

