

APPENDIX A: POWER DENSITY TEST PLOTS

Element

Date: 07-18-2024

Antenna L Beam 9

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMX828U	XFE0508M	Portable Computing Device

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	BACK SIDE	2.00	CW	24350.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9389_F1-55GHz, 2024-01-05	DAE4 Sn859, 2024-01-09

Software Setup

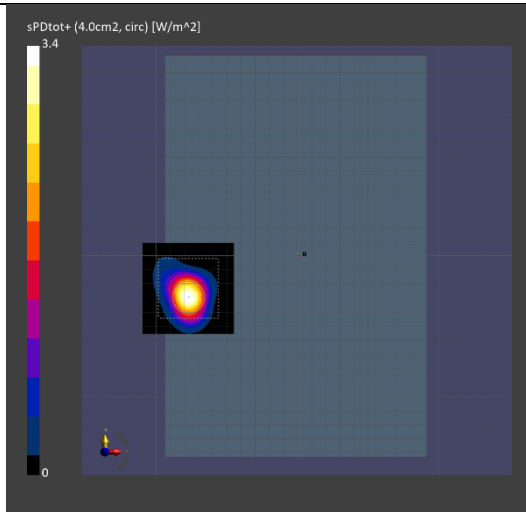
Software	Software Version
cDASY6 Module mmWave	3.2.0.1840

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	60.0 x 60.0
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]	3.40
pS _n avg [W/m ²]	2.62
E _{peak} [V/m]	65.5
Power Drift [dB]	-0.04



Element

Antenna K Beam 21 Keyboard Variant 1

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMX828U	XEF0508M	Portable Computing Device

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	FRONT	2.00	CW	25200.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9389_F1-55GHz, 2024-01-05	DAE4 Sn859, 2024-01-09

Software Setup

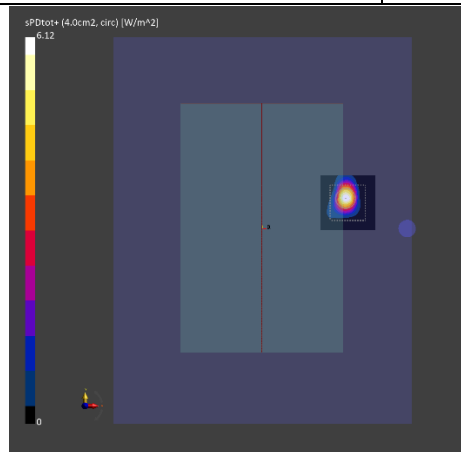
Software	Software Version
cDasy6 Module mmWave	3.2.0.1840

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	60.0 x 60.0
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]	6.12
pS _n avg [W/m ²]	4.50
E _{peak} [V/m]	94.6
Power Drift [dB]	-0.16



Element

Date: 07-11-2024

Antenna L Beam 46

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMX828U	XFE0508M	Portable Computing Device

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	BACK SIDE	2.00	CW	27550.1

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmWV3 - SN9421_F1-55GHz, 2024-03-04	DAE4ip Sn1638, 2023-10-18

Software Setup

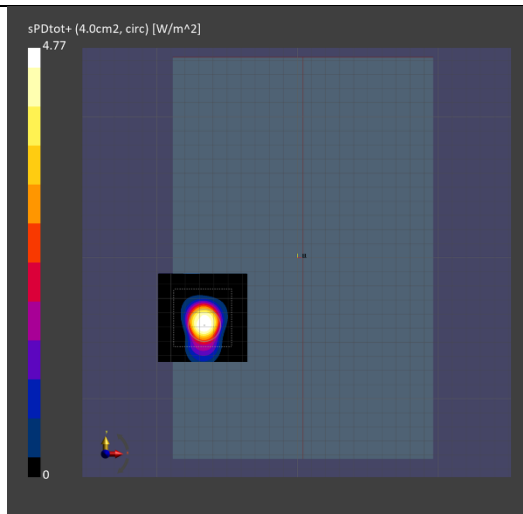
Software	Software Version
cDASY6 Module mmWave	3.2.0.1840

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	60.0 x 60.0
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]	4.77
pS _n avg [W/m ²]	3.61
E _{peak} [V/m]	104
Power Drift [dB]	-0.17



Element

Date: 08-01-2024

Antenna K Beam 43 Keyboard Variant 1

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMX828U	XFE0508M	Portable Computing Device

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	FRONT	2.00	CW	27925.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9389_F1-55GHz, 2024-01-05	DAE4 Sn859, 2024-01-09

Software Setup

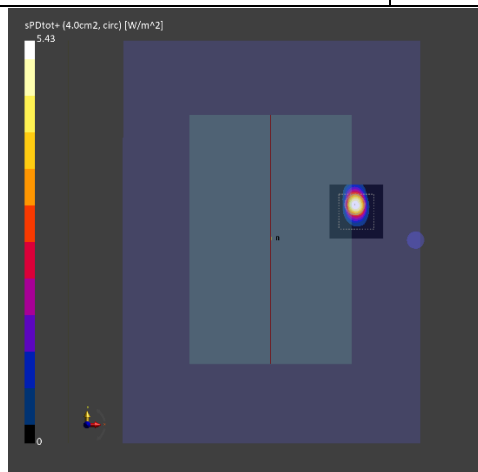
Software	Software Version
cDasy6 Module mmWave	3.2.0.1840

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	60.0 x 60.0
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]	5.43
pS _n avg [W/m ²]	4.16
E _{peak} [V/m]	99.9
Power Drift [dB]	-0.14



Element

Date: 07-11-2024

Antenna L Beam 42

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMX828U	XFE0511M	Portable Computing Device

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	BACK SIDE	2.00	CW	37050.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9389_F1-55GHz, 2024-01-05	DAE4 Sn859, 2024-01-09

Software Setup

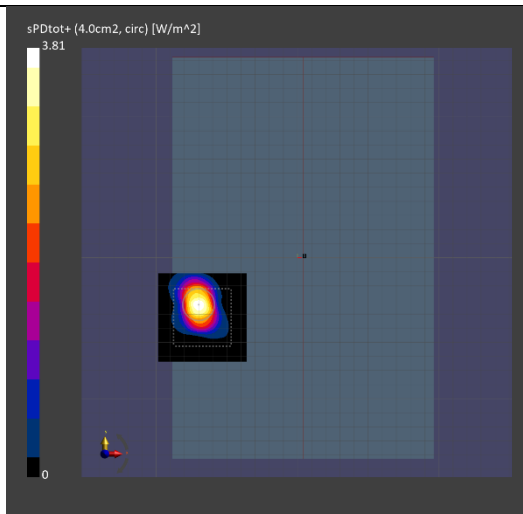
Software	Software Version
cDASY6 Module mmWave	3.2.0.1840

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	60.0 x 60.0
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]	3.81
pS _n avg [W/m ²]	2.79
E _{peak} [V/m]	78.8
Power Drift [dB]	0.07



Element

Date: 07-09-2024

Antenna K Beam 25

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMX828U	XFE0511M	Portable Computing Device

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	FRONT SIDE	2.00	CW	38500.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9389_F1-55GHz, 2024-01-05	DAE4 Sn859, 2024-01-09

Software Setup

Software	Software Version
cDASY6 Module mmWave	3.2.0.1840

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	80.0 x 80.0
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]	5.43
pS _n avg [W/m ²]	4.31
E _{peak} [V/m]	98.1
Power Drift [dB]	-0.16

