

APPENDIX A: POWER DENSITY TEST PLOTS

Date: 2025-03-29

Beam 270 PLS 26 – Open

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF966U	0576M	Portable Handset

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	EDGE RIGHT	2.00	25200000	0	25200.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 – SN9421, 2025-03-12	DAE4 – SN1213, 2024-12-04

Software Setup

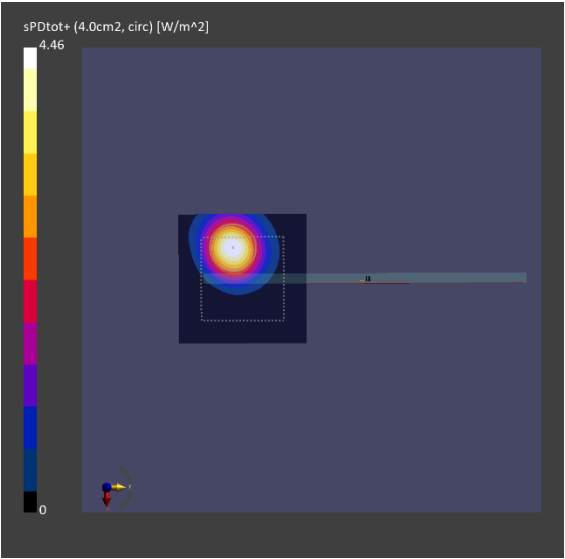
Software	Software Version
cDASY6 Module mmWave	3.2.0.1840

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 [cm²]	4.00
pS _{tot} avg [W/m²]	4.46
pS _n avg [W/m²]	4.06
E _{peak} [V/m]	60.4
Power Drift [dB]	0.14



Date: 2025-03-31

Beam ID 270 PLS 29 – Closed

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF966U	0576M	Portable Handset

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	BACK	2.00	25200000	0	25200.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 – SN9421, 2025-03-12	DAE4 – SN1213, 2024-12-04

Software Setup

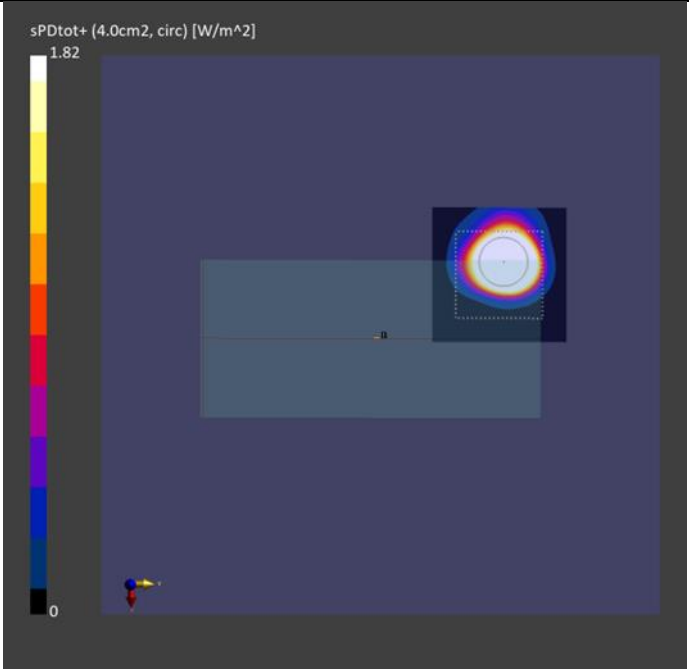
Software	Software Version
cDASY6 Module mmWave	3.2.0.1840

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 [cm²]	4.00
pS _{tot} avg [W/m²]	5.26
pS _n avg [W/m²]	4.83
E _{peak} [V/m]	78.3
Power Drift [dB]	-0.00



Date: 2025-03-28

Beam ID 269 PLS 27 – Open

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF966U	0576M	Portable Handset

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	EDGE RIGHT	2.00	27925000	0	27925.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 – SN9389, 2025-01-08	DAE4 – SN1449, 2024-09-10

Software Setup

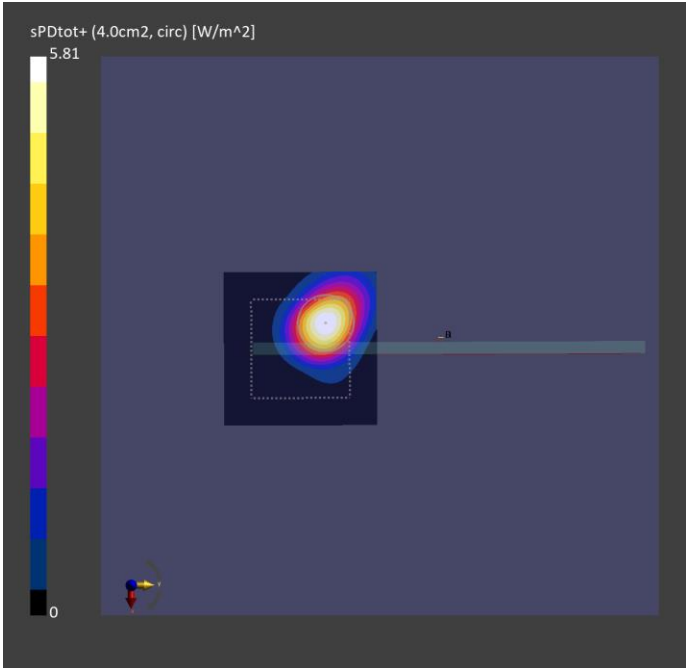
Software	Software Version
cDASY6 Module mmWave	3.2.0.1840

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 [cm²]	4.00
pS _{tot} avg [W/m²]	5.81
pS _n avg [W/m²]	4.72
E _{peak} [V/m]	70.4
Power Drift [dB]	0.11



Date: 2025-04-01

Beam ID 271 PLS 22 - Closed

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF966U	0576M	Portable Handset

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	BACK	2.00	27925000	0	27925.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9421, 2025-03-12	DAE4 - SN1213, 2024-12-04

Software Setup

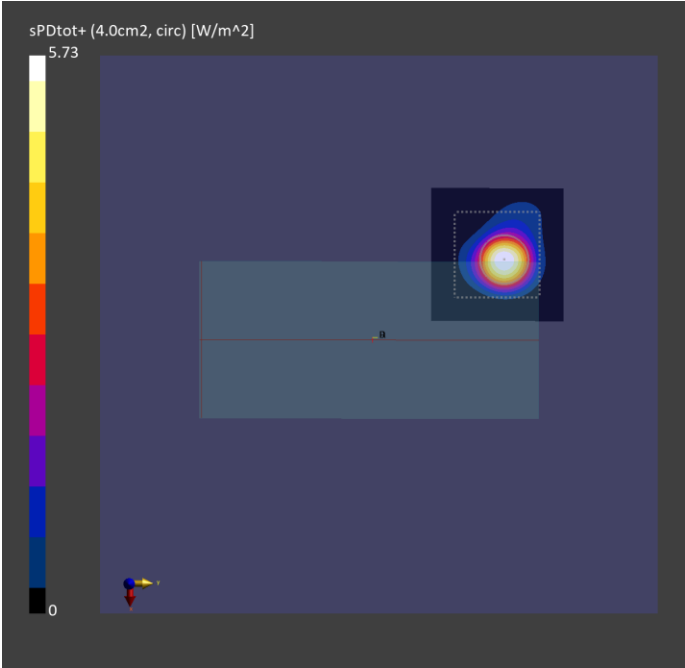
Software	Software Version
cDASY6 Module mmWave	3.2.0.1840

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 [cm²]	4.00
pS _{tot} avg [W/m²]	5.73
pS _n avg [W/m²]	5.05
E _{peak} [V/m]	82.1
Power Drift [dB]	-0.06



Date: 2025-03-27

Beam ID 270 PLS 46 - Open

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF966U	0576M	Portable Handset

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	BACK	2.00	38500000	0	38500.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9389, 2025-01-08	DAE4 - SN1449, 2024-09-10

Software Setup

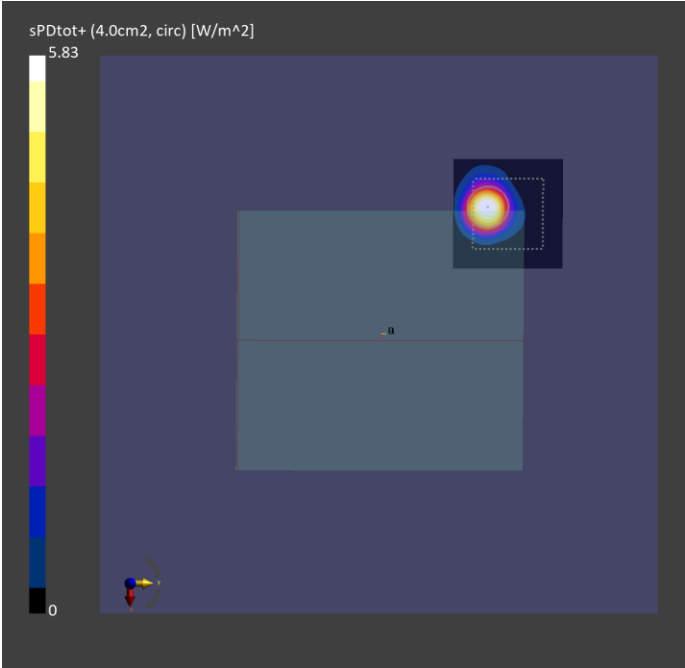
Software	Software Version
cDASY6 Module mmWave	3.2.0.1840

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 [cm²]	4.00
pS _{tot} avg [W/m²]	5.83
pS _n avg [W/m²]	4.76
E _{peak} [V/m]	83.1
Power Drift [dB]	-0.06



Date: 2025-04-02

Beam ID 19 PLS 56 – Closed

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF966U	0576M	Portable Handset

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	EDGE RIGHT	2.00	38500000	0	38500.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 – SN9421, 2025-03-12	DAE4 – SN1213, 2024-12-04

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 [cm²]	4.00
pS _{tot} avg [W/m²]	5.88
pS _n avg [W/m²]	5.64
E _{peak} [V/m]	75.5
Power Drift [dB]	0.06

