

APPENDIX A: POWER DENSITY TEST PLOTS

Date: 2025-10-01

Beam 276 PLS 35

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMS948U	0835M	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 - SN9389, 2025-01-08	DAE4 - SN1639, 2025-02-05

Software Setup

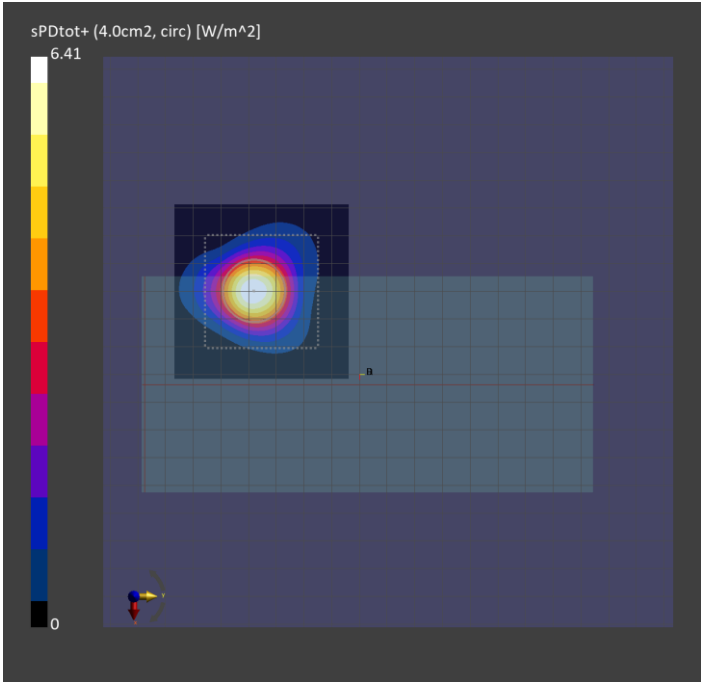
Software	Software Version
cDASY6 Module mmWave	3.2.0.1840

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.182 x 0.182
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm²]	4.00
pS _{tot} avg [W/m²]	6.41
pS _n avg [W/m²]	4.76
E _{peak} [V/m]	77.4
Power Drift [dB]	0.03



Date: 2025-10-01

Beam 276 PLS 24

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMS948U	0835M	Portable Handset

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	Back	2.00	27550100	0	27550.1

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9389, 2025-01-08	DAE4 - SN1639, 2025-02-05

Software Setup

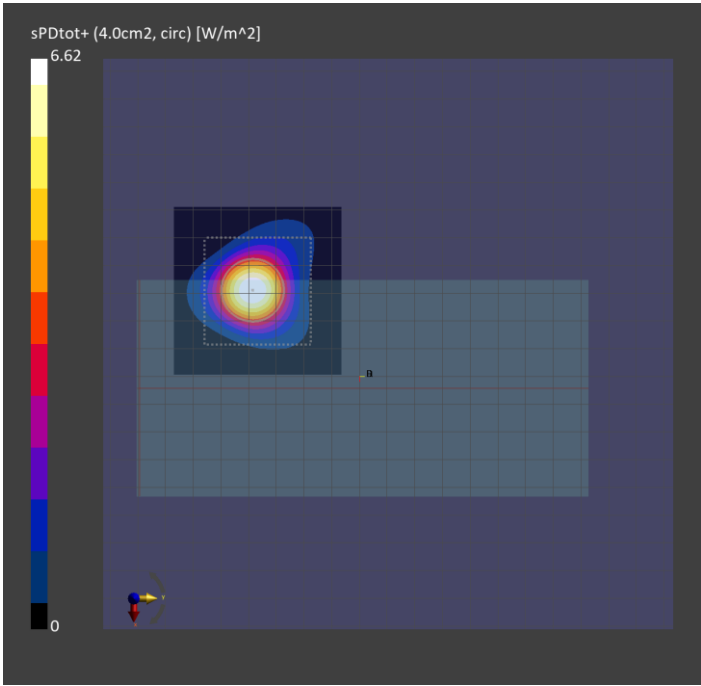
Software	Software Version
cDASY6 Module mmWave	3.2.0.1840

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.206 x 0.206
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm²]	4.00
pS _{tot} avg [W/m²]	6.62
pS _n avg [W/m²]	4.71
E _{peak} [V/m]	85.4
Power Drift [dB]	-0.11



Date: 2025-10-01

Beam 270 PLS 44

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMS948U	0835M	Portable Handset

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	Back	2.00	37050000	0	37050.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9389, 2025-01-08	DAE4 - SN1639, 2025-02-05

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]	0.247 x 0.247
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm²]	4.00
pS _{tot} avg [W/m²]	6.04
pS _n avg [W/m²]	5.17
E _{peak} [V/m]	81.5
Power Drift [dB]	0.03

