

APPENDIX B: POWER DENSITY SYSTEM VERIFICATION PLOTS

Date: 2025-03-25

Measurement Group

Device Under Test Properties

DUT	Serial Number
30 GHz Verification Source	1044

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	FRONT	5.55	Validation band	30000.0

Hardware Setup

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

Software Setup

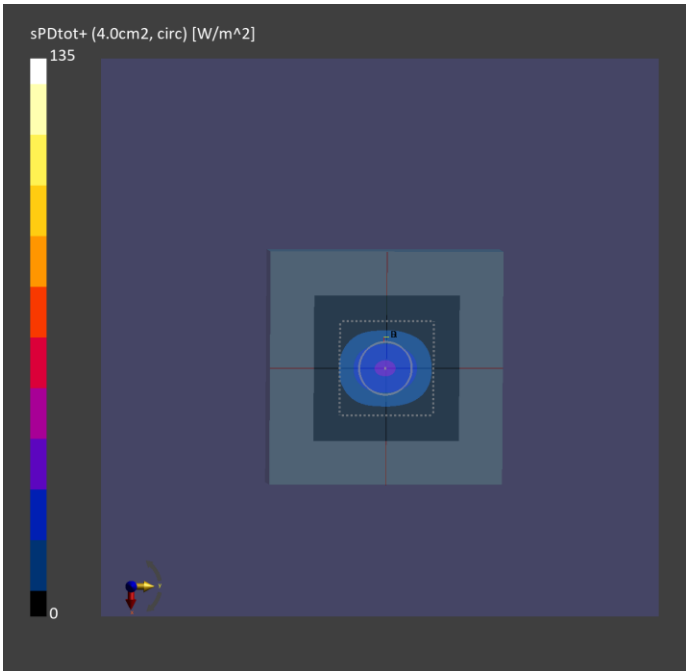
Software	Software Version
cDASY6 Module mmWave	3.2.0.1840

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	60.0 × 60.0
Grid Steps [lambda]	0.25 × 0.25
Sensor Surface [mm]	5.55

Measurement Results

Scan Type	5G Scan
Avg. Area [cm²]	4.00
pStot avg [W/m²]	35.4
pSn avg [W/m²]	34.7
Epeak [V/m]	134
Deviation [dB] pStot	0.18
Deviation [dB] pSn	0.09



Date: 2025-03-28

Measurement Group

Device Under Test Properties

DUT	Serial Number
30 GHz Verification Source	

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	FRONT	5.55	Validation band	30000.0

Hardware Setup

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

Software Setup

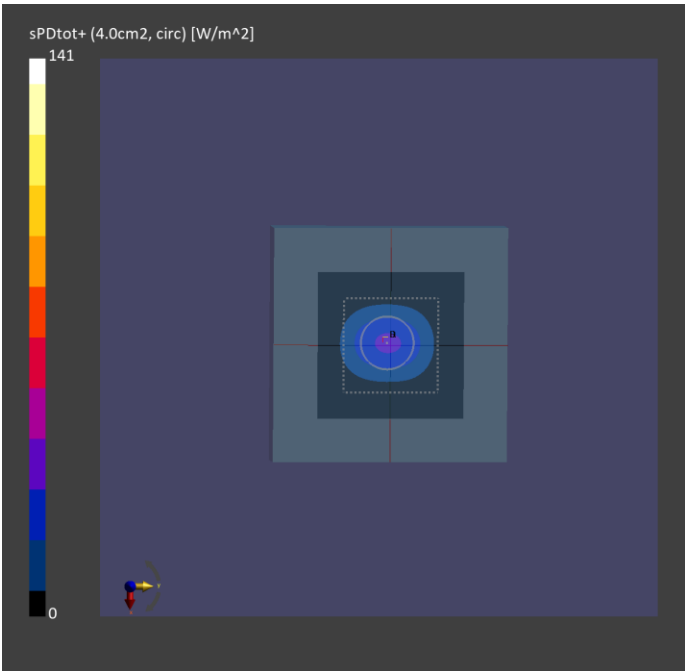
Software	Software Version
cDASY6 Module mmWave	3.2.0.1840

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	60.0 × 60.0
Grid Steps [lambda]	0.25 × 0.25
Sensor Surface [mm]	5.55

Measurement Results

Scan Type	5G Scan
Avg. Area [cm²]	4.00
pS _{tot} avg [W/m²]	38.0
pS _n avg [W/m²]	37.4
E _{peak} [V/m]	141
Deviation [dB] pS _{tot}	0.48
Deviation [dB] pS _n	0.41



Date: 2025-03-31

Measurement Group

Device Under Test Properties

DUT	Serial Number
30 GHz Verification Source	

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	FRONT	5.55	Validation band	30000.0

Hardware Setup

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

Software Setup

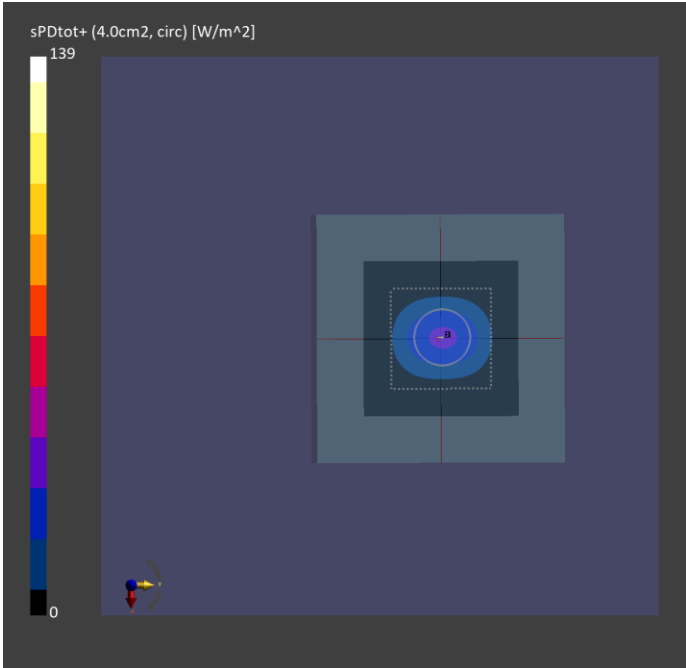
Software	Software Version
cDASY6 Module mmWave	3.2.0.1840

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]	5.55

Measurement Results

Scan Type	5G Scan
Avg. Area [cm²]	4.00
pS _{tot} avg [W/m²]	37.6
pS _n avg [W/m²]	37.0
E _{peak} [V/m]	138
Deviation [dB] pS _{tot}	0.44
Deviation [dB] pS _n	0.37



Date: 2025-04-02

Measurement Group

Device Under Test Properties

DUT	Serial Number
30 GHz Verification Source	

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	FRONT	5.55	Validation band	30000.0

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 × 60.0
Grid Steps [lambda]	0.25 × 0.25
Sensor Surface [mm]	5.55

Measurement Results

Scan Type	5G Scan
Avg. Area [cm²]	4.00
pS _{tot} avg [W/m²]	37.4
pS _n avg [W/m²]	37.0
E _{peak} [V/m]	139
Deviation [dB] pS _{tot}	0.41
Deviation [dB] pS _n	0.37

