

Appendix A: Verification Plots

RF SAFETY LABORATORY

System Verification

Verification Conditions

Verification Source	Serial Number	Test Distance [mm]	Signal, UID	Frequency [MHz]
30 GHz System Verification	1114	5.55	CW	30000.0

Test Setup

Test Date	Measurement SW	Probe, Cal. Date	DAE, Cal. Date
2026-04-23	3.2.2.2358	EUmmWV4 – SN9690_F1–55GHz – 2025-09-17	DAE4ip Sn1839 – 2025-09-15

Scans Setup

Grid Extents [mm]	Grid Steps [lambda]	Sensor Surface Distance [mm]
60.0x60.0	0.25x0.25	5.55

Measurement Results

Averaging Area [cm²]	E _{max} [V/m]	psPDn+ [W/m²]	psPDtot+ [W/m²]
4.00	251	120	123

