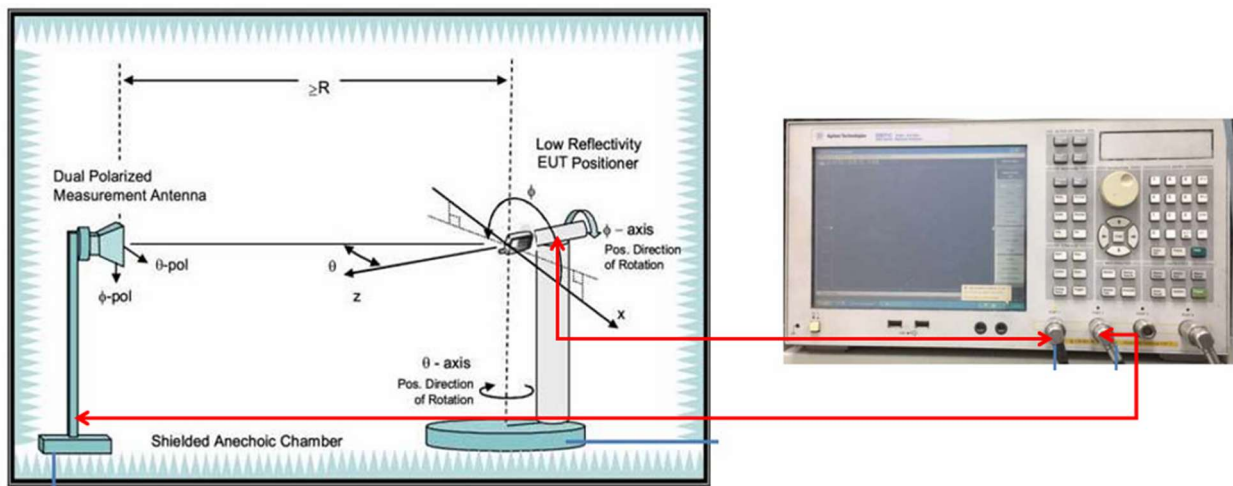


PLX Antenna Report

Item	Description
Manufacture	HINGE INTERNATIONAL Co., LTD
Manufacture Address	No. 2 Tanglian 1 st Street, Tangxia Community, Tangxia Town, Dongguan City
Test Environment	ETS-Lindgren AMS-8500 Antenna Measurement System
Antenna Model	MEPLX01011A
Test Equipment	Keysight E5071C
Test Software	ETS-Lindgren EM-Quest Data Acquisition and Analysis Software V1.12 Build 1470
Calibration Date	2025/10/12
Test Date	2025/10/30
Test Engineer	Edward Ou

1. Test Method

The antenna gains are obtained through measurements in a fully anechoic OTA chamber with a 3D positioner. Measurements are taken in discrete steps in theta and phi direction, data is being recorded using the spectrum analyzer (active) or network analyzer (passive) for both theta and phi polarizations at each position resulting in a 3D gain pattern. Step size is <30deg along both axes. Gain is either derived directly through spatial averaging of VNA S21 measurements (passive measurement) or by the ratio of spatial averaging of 3D EIRP/TRP measurements vs the conducted power (active measurement).

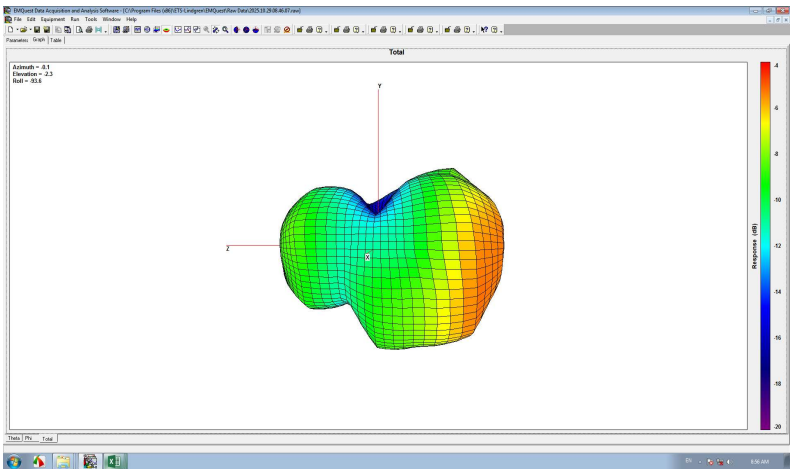


2. Antenna Gain

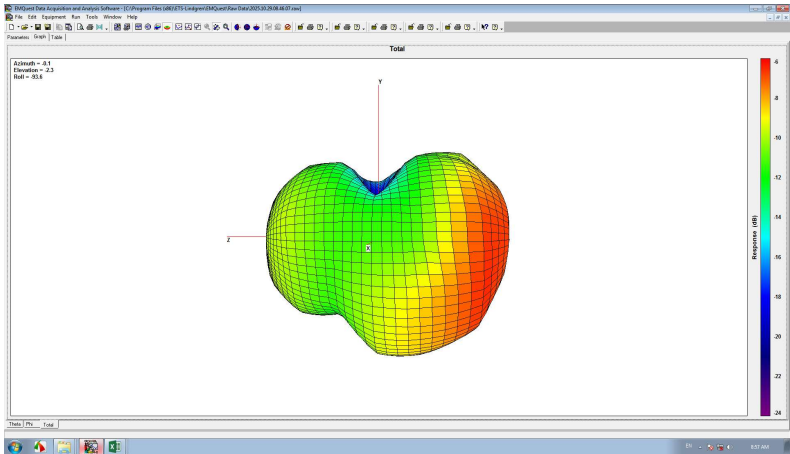
	B13 Tx				B5 Tx					B4 Tx			
Frequency (MHz)	777	780	782	787	824	832	836	843	849	1710	1732	1747	1755
Gain (dBi)	-4.048	-4.124	-4.147	-3.805	-5.371	-5.575	-5.789	-5.888	-6.726	-0.871	-0.630	-0.594	-0.575

	WIFI 2.4GHz										
Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	-5.547	-5.401	-4.968	-4.731	-4.310	-4.710	-4.354	-4.484	-4.075	-4.819	-4.212

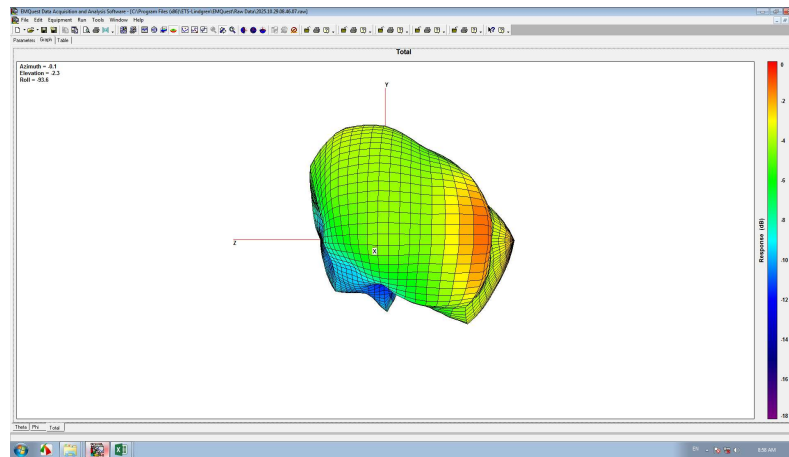
3. Radiation Pattern



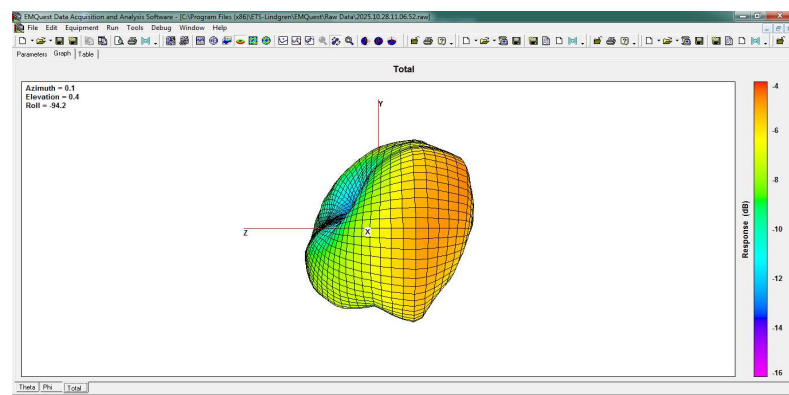
B13



B5



B4



WIFI/BT