

HL-A Antenna Report

Manufacturer: XinOu Printed Circuit Board CO., LTD

Address: 4 floor C building FU HENG industrial ZONE,environmental protection
SOUTH road SHATIAN town DONGGUAN

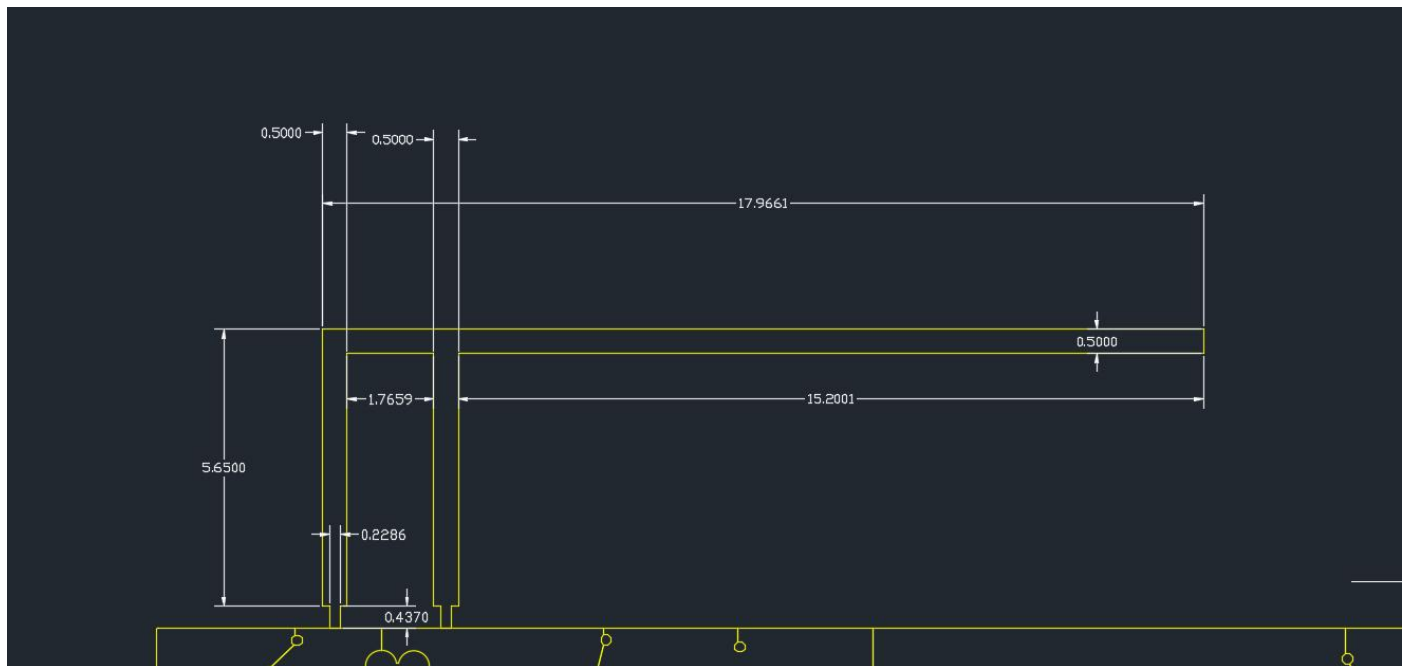
Model: HL-A Antenna

Antenna mode: 2D

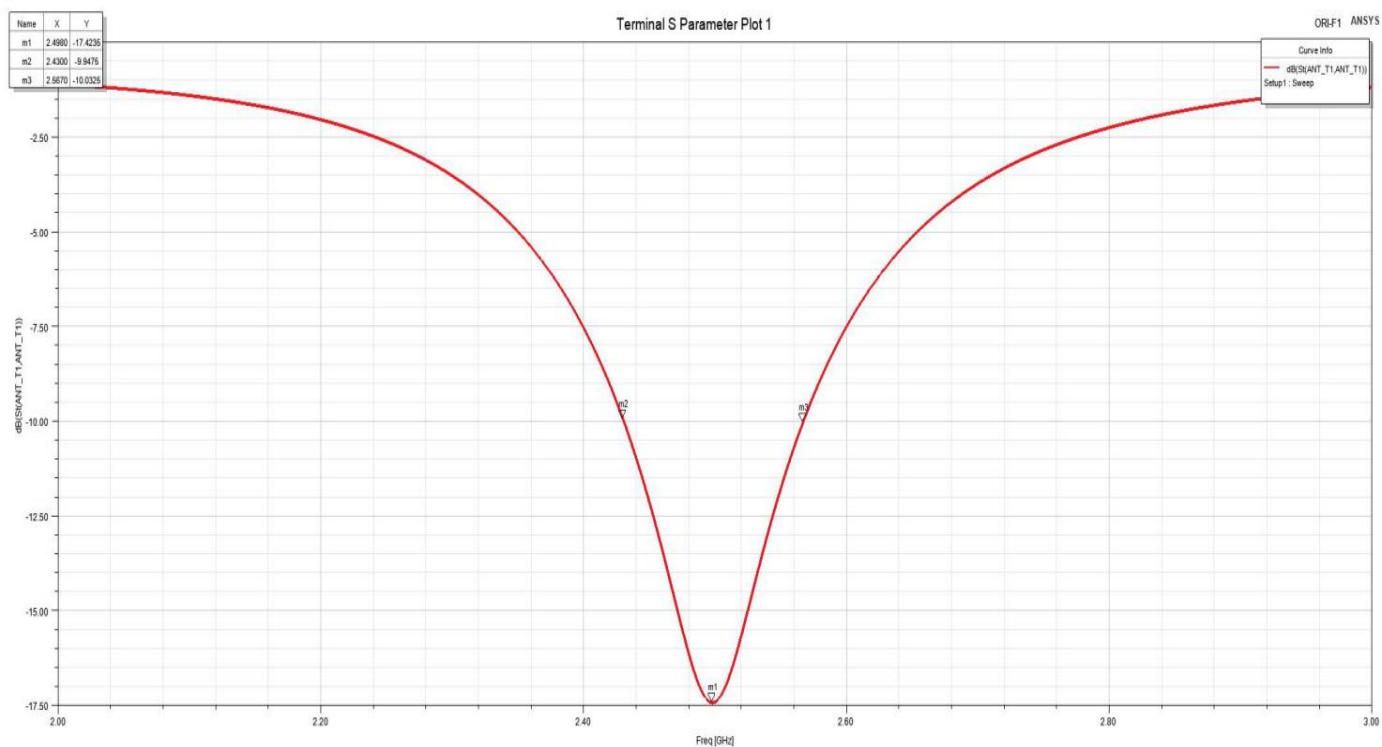
1. Antenna Model



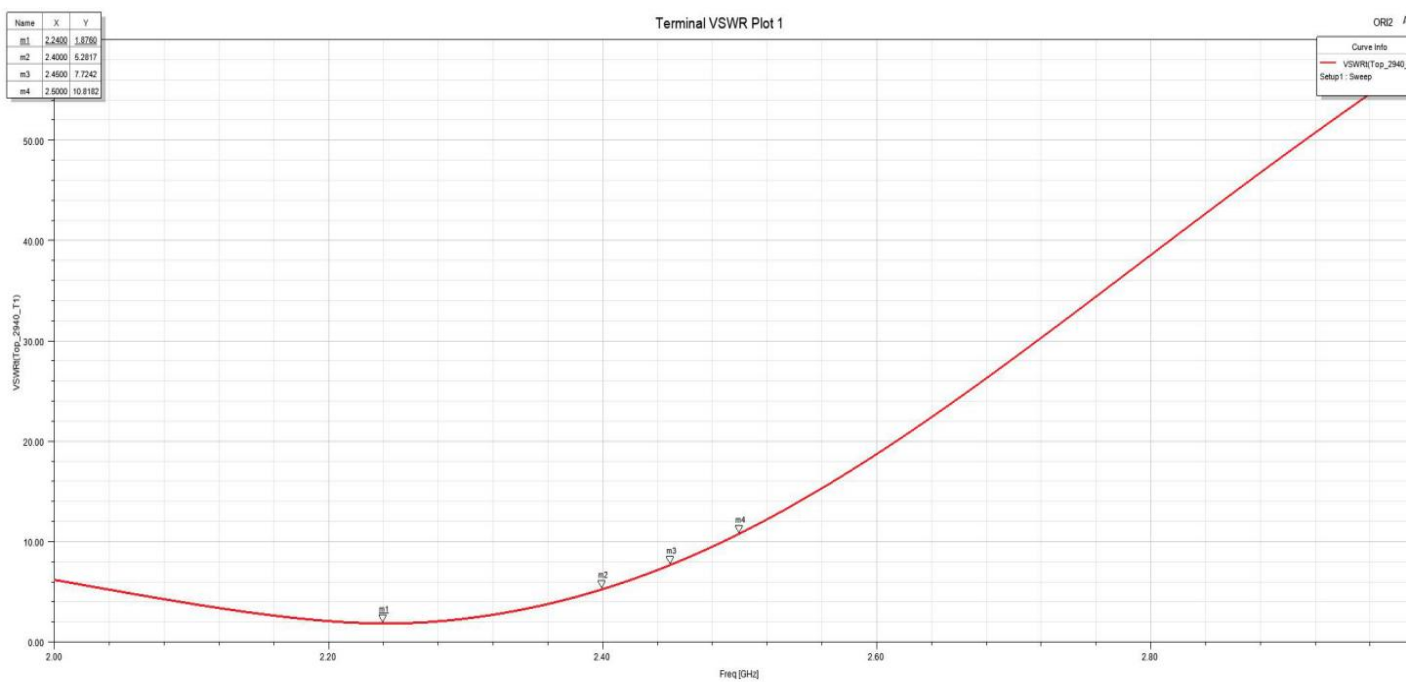
2. Antenna Size



3. S11

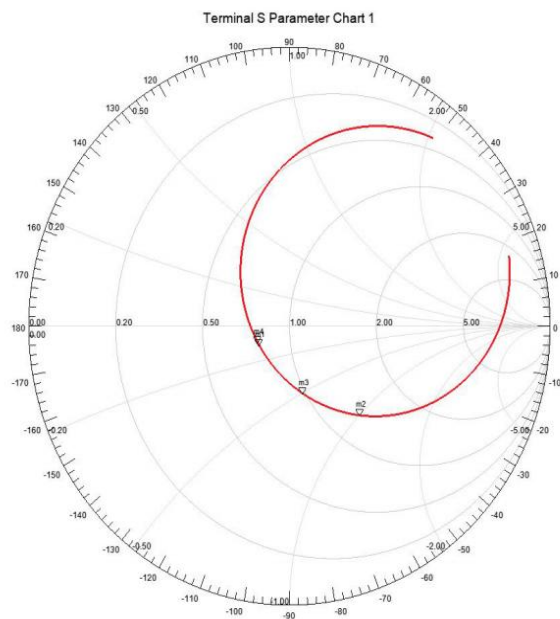


4. VSWR

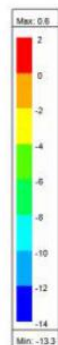


5. Smith Chart

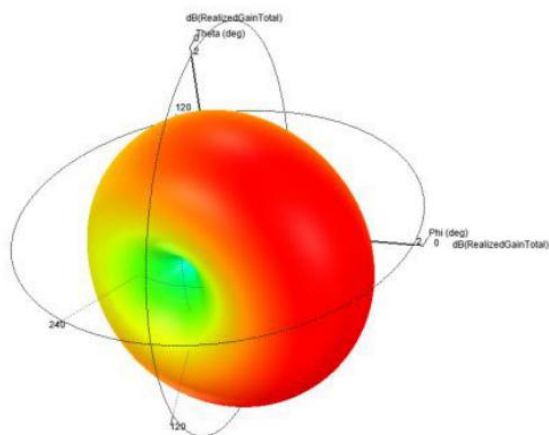
Name	Freq	Ang	Mag	RIX
m1	2.4980	-149.1823	0.1345	0.7860 - 0.1103j
m2	2.4000	-49.5778	0.4199	1.3038 - 1.0119j
m3	2.4500	-77.8636	0.2476	0.9807 - 0.5058j
m4	2.6000	-153.5212	0.1348	0.7796 - 0.0964j



6. 3D Polar plot



Realized Gain Plot 1



7. Antenna gain

Frequency(MHz)	Efficiency	Gain(dBi)
2400	29.40	1.767
2410	29.03	1.668
2420	30.66	1.562
2430	28.71	1.411
2440	28.33	1.642
2450	29.68	1.536
2460	29.15	1.740
2470	30.12	2.000
2480	29.42	1.634
2490	27.64	1.425
2500	27.32	1.679