

HL-A Antenna Report

Manufacturer: Huizhou MOSITOECO Intelligence lighting Technology Co., Ltd.

Address: 10th Hechang 5 Road,Huitai Industrial Park, Zhongkai Huizhou city,the
China civilized city Huizhou City.

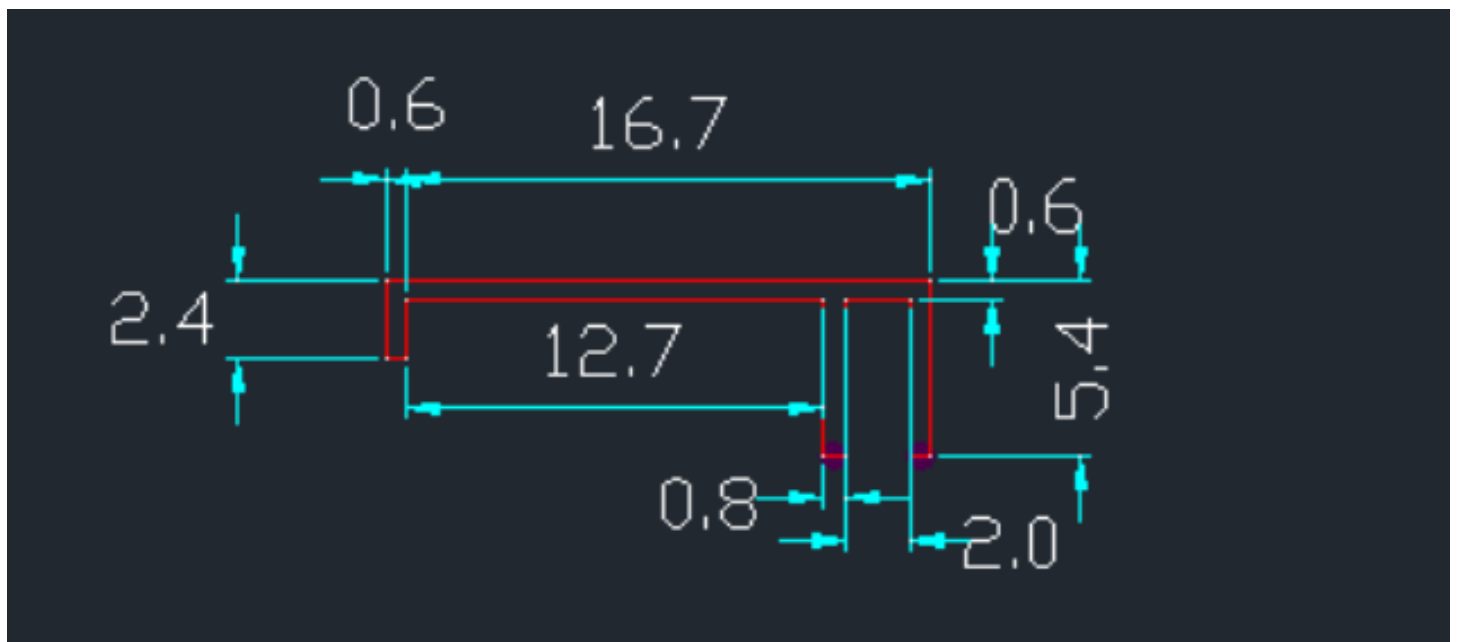
Model: HL-A Antenna

Antenna mode: 2D

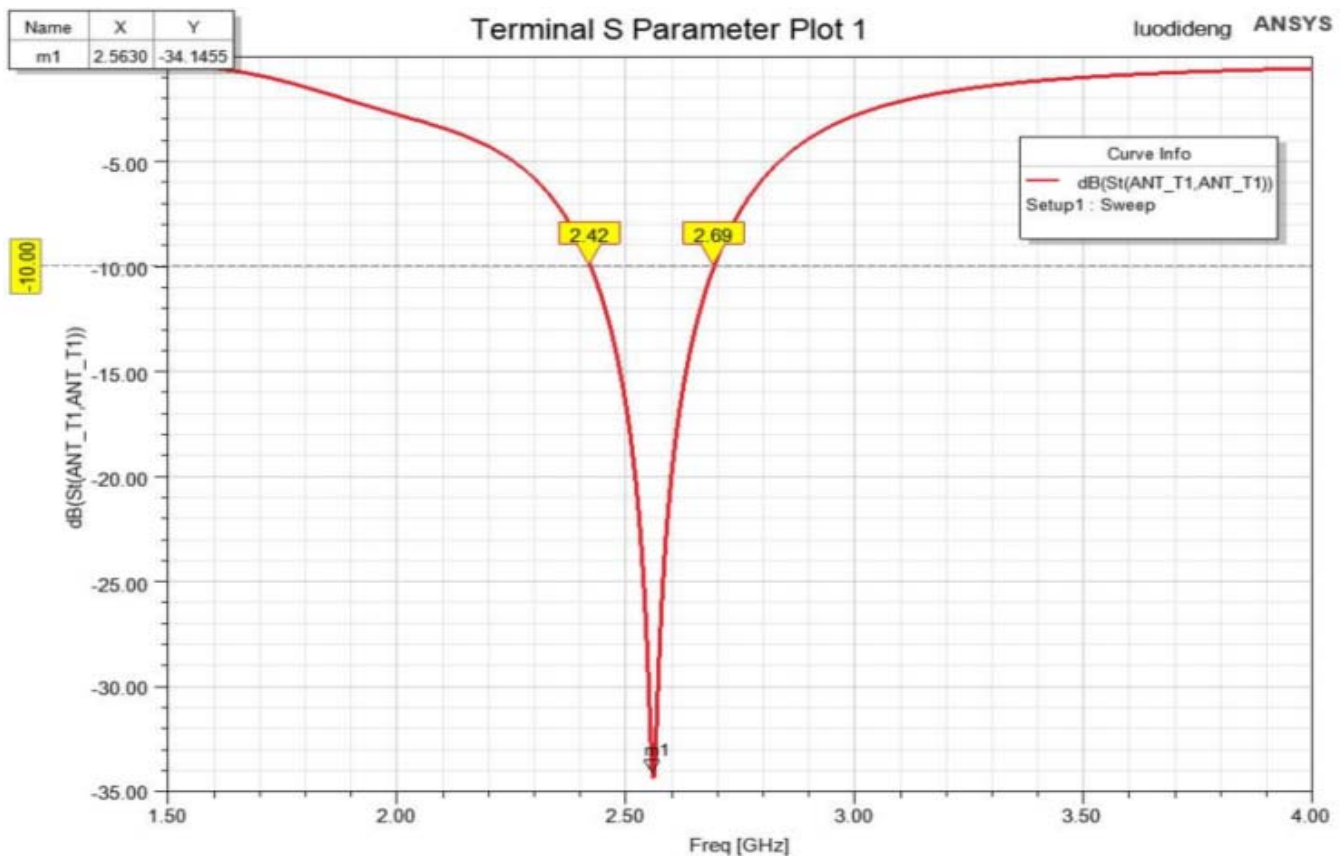
1. Antenna Model



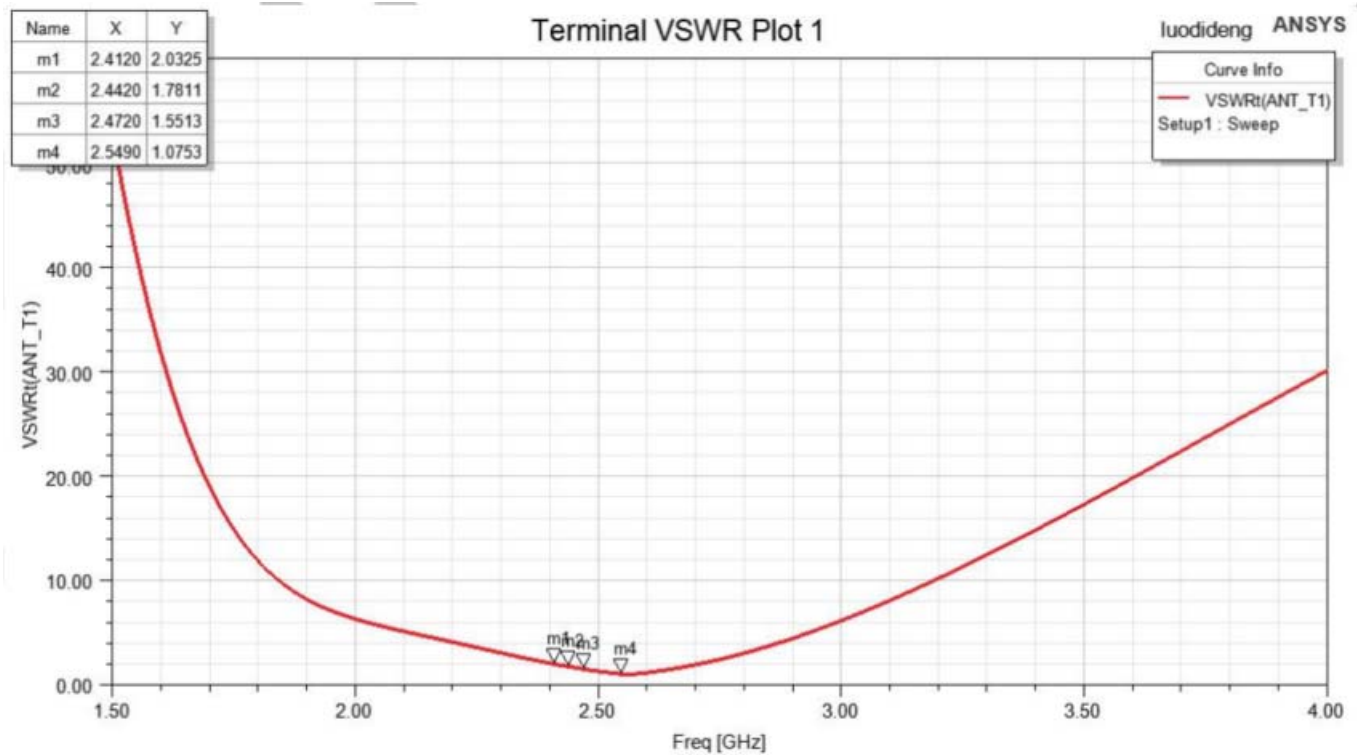
2. Antenna Size



3. S11

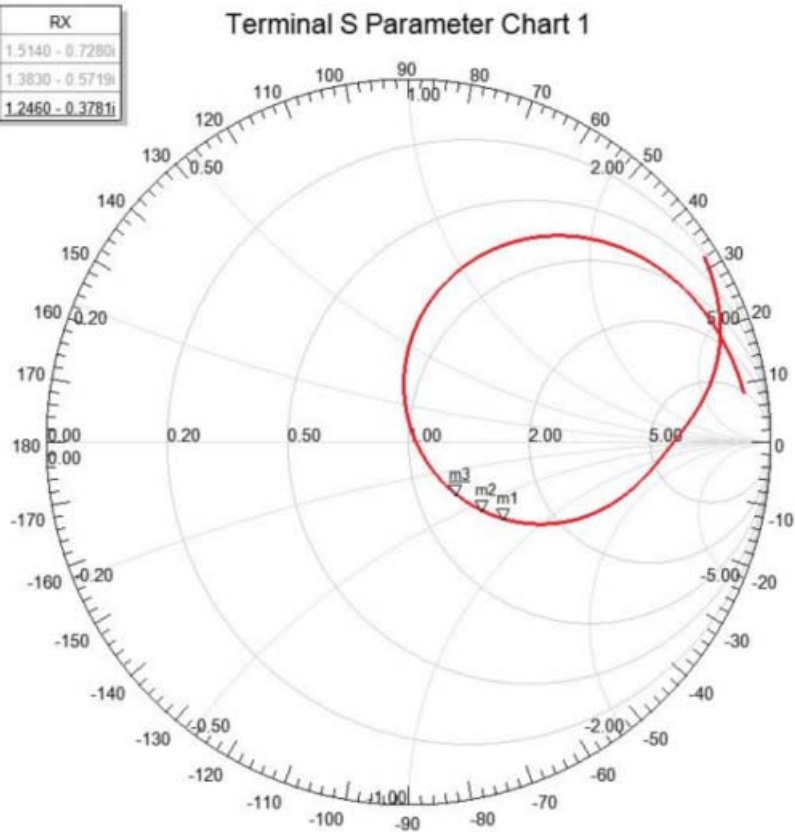


4. VSWR



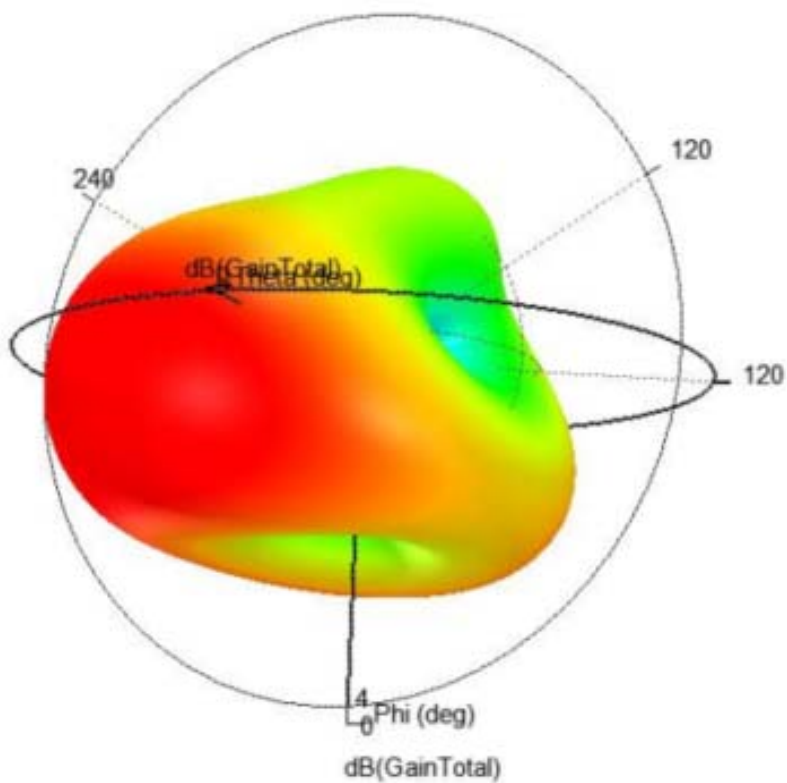
5. Smith Chart

Name	Freq	Ang	Mag	RX
m1	2.4120	-38.6235	0.3405	1.5140 - 0.7280i
m2	2.4420	-42.6922	0.2808	1.3830 - 0.5719i
m3	2.4800	-47.3902	0.1980	1.2460 - 0.3781i



luodideng ANSYS
Curve Info
— St(ANT_T1,ANT_T1)
Setup1 : Sweep

6. 3D Polar plot



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	1.789
2480	29.42	1.634
2490	27.64	1.425
2500	27.32	1.679