

Antenna Specification

天线类型：PCB 板载天线

Antenna model 天线型号：Snake antenna 蛇形天线

天线增益：1.27dBi

天线形状外观与尺寸：

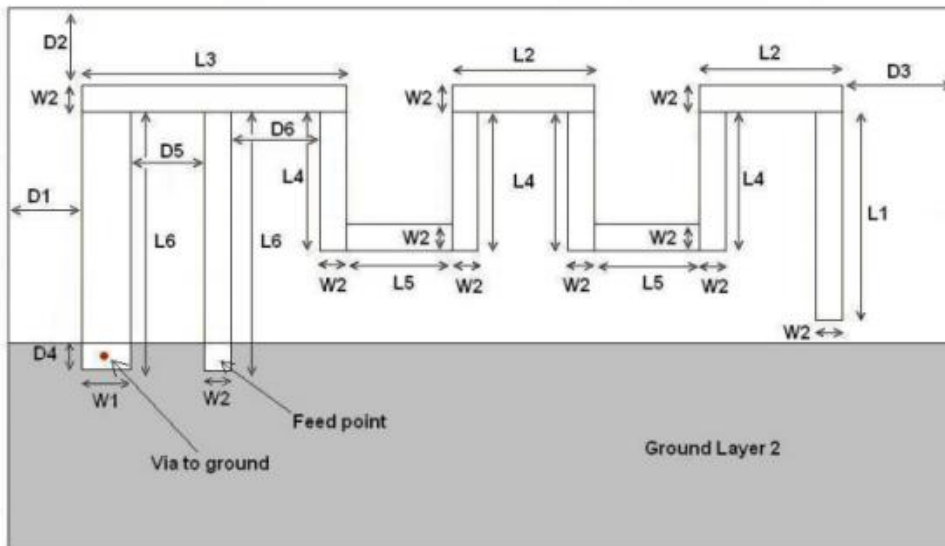


Figure 3: Antenna Dimensions

L1	3.94 mm
L2	2.70 mm
L3	5.00 mm
L4	2.64 mm
L5	2.00 mm
L6	4.90 mm
W1	0.90 mm
W2	0.50 mm
D1	0.50 mm
D2	0.30 mm
D3	0.30 mm
D4	0.50 mm
D5	1.40mm
D6	1.70 mm

Table 1: Antenna Dimensions

1. Frequency Band

Tx:2400MHz~2480MHz

Rx:2400MHz~2480MHz

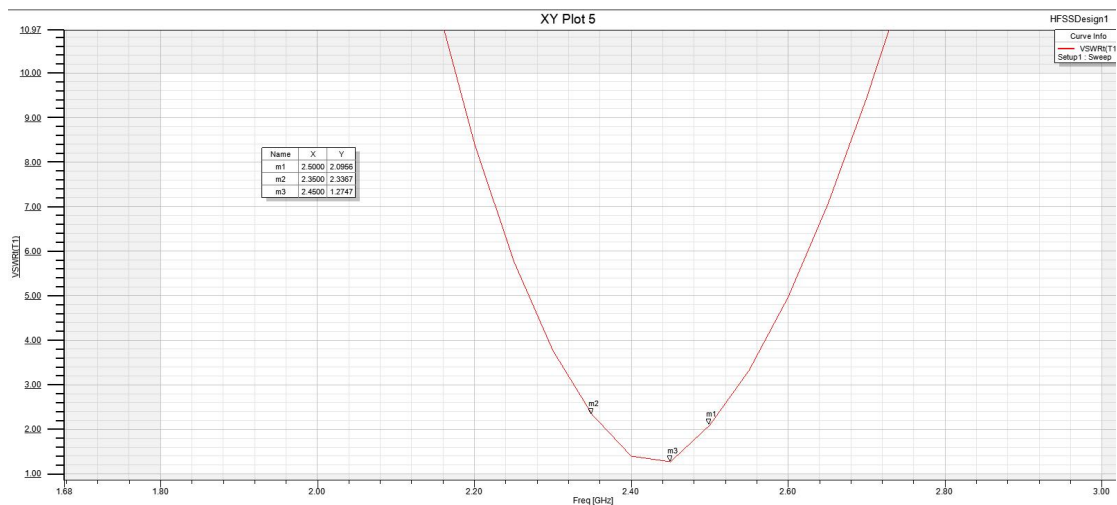
2. Antenna Parameters summary(2440MHz)

Quantity	Value	Units
Peak Directivity	1.6855	
Peak Gain	1.1842	dBi
Radiated Efficiency	0.8812	

3. Plane definition

XY-plane	Theta=90°
XZ-plane	Phi=0°
YZ-plane	Phi=90°

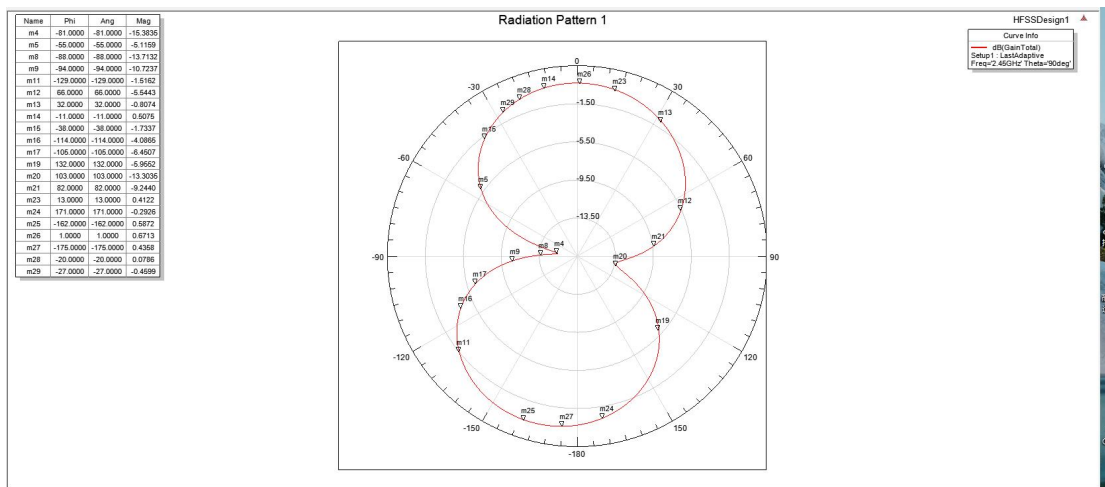
4. VSWR



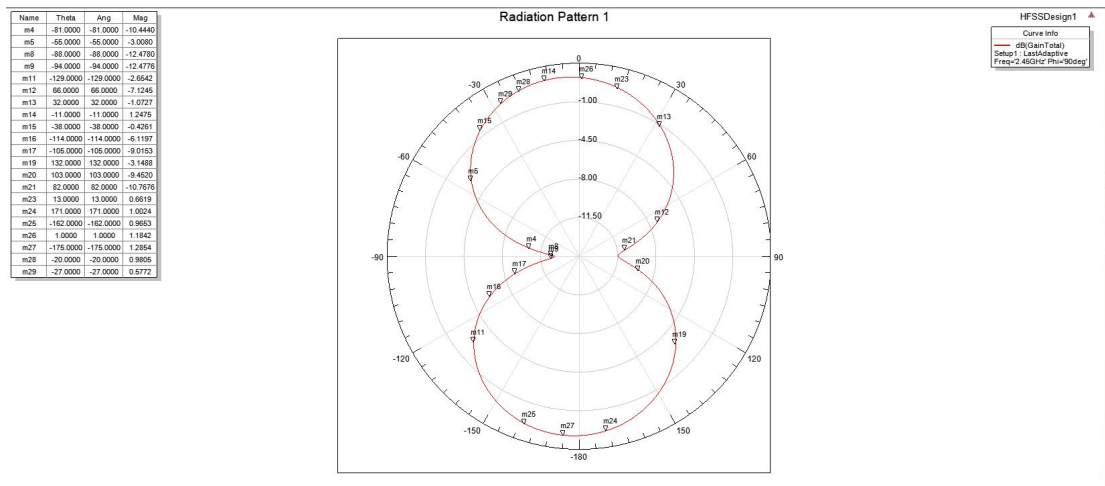
5、Radiation Patterns(GAIN)

Plane	XY			XZ			YZ		
	2400	2440	2480	2400	2440	2480	2400	2440	2480
Peak Gain(dbi)	0.67	0.68	0.65	1.21	1.27	1.23	0.55	0.53	0.52

XY-Plane



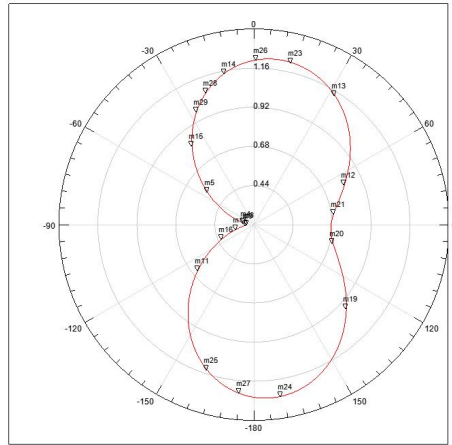
XZ-Plane



YZ-Plane

Name	Theta	Phi	Mag
m4	-81.0000	-81.0000	0.2649
m5	-55.0000	-55.0000	0.6501
m8	-88.0000	-88.0000	0.2442
m9	-94.0000	-94.0000	0.2499
m11	-129.0000	-129.0000	0.6429
m12	66.0000	66.0000	0.8110
m13	32.0000	32.0000	1.1364
m14	-11.0000	-11.0000	1.1461
m15	-38.0000	-38.0000	0.9181
m16	-114.0000	-114.0000	0.4153
m17	-105.0000	-105.0000	0.3153
m19	132.0000	132.0000	0.9651
m20	103.0000	103.0000	0.9991
m21	82.0000	82.0000	0.6964
m23	13.0000	13.0000	1.2202
m24	171.0000	171.0000	1.2656
m25	-162.0000	-162.0000	1.1247
m26	1.0000	1.0000	1.2105
m27	-175.0000	-175.0000	1.2383
m28	-20.0000	-20.0000	1.0618
m29	-27.0000	-27.0000	0.9770

Radiation Pattern 1



HFSSDesign1

- Curve Info
- dB(GainTotals)
- Setup 1: LossAdaptive
- Freq=2.46GHz PlotType