

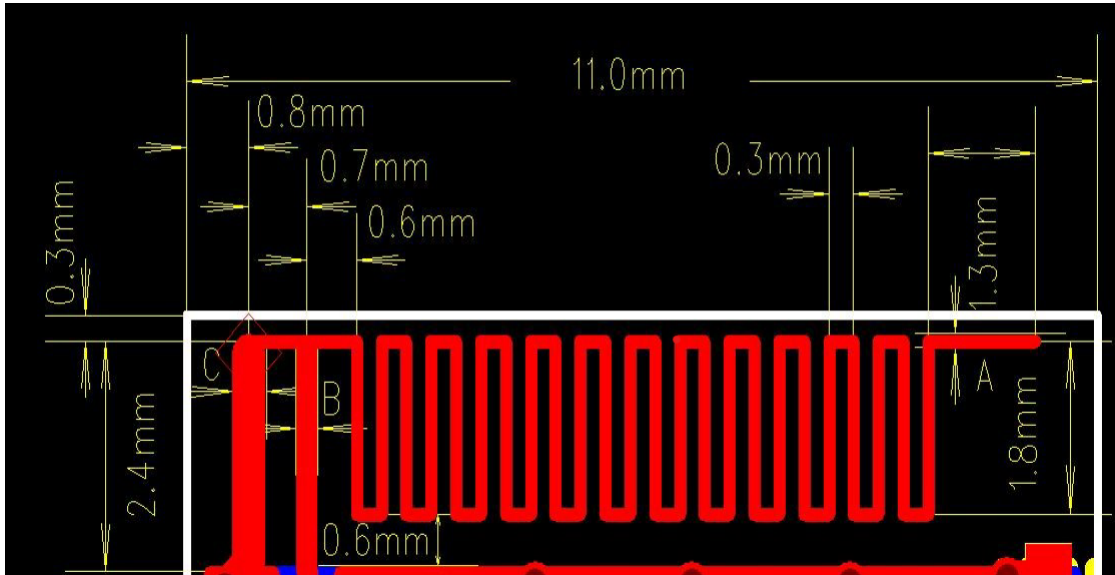


Antenna frequency gain table

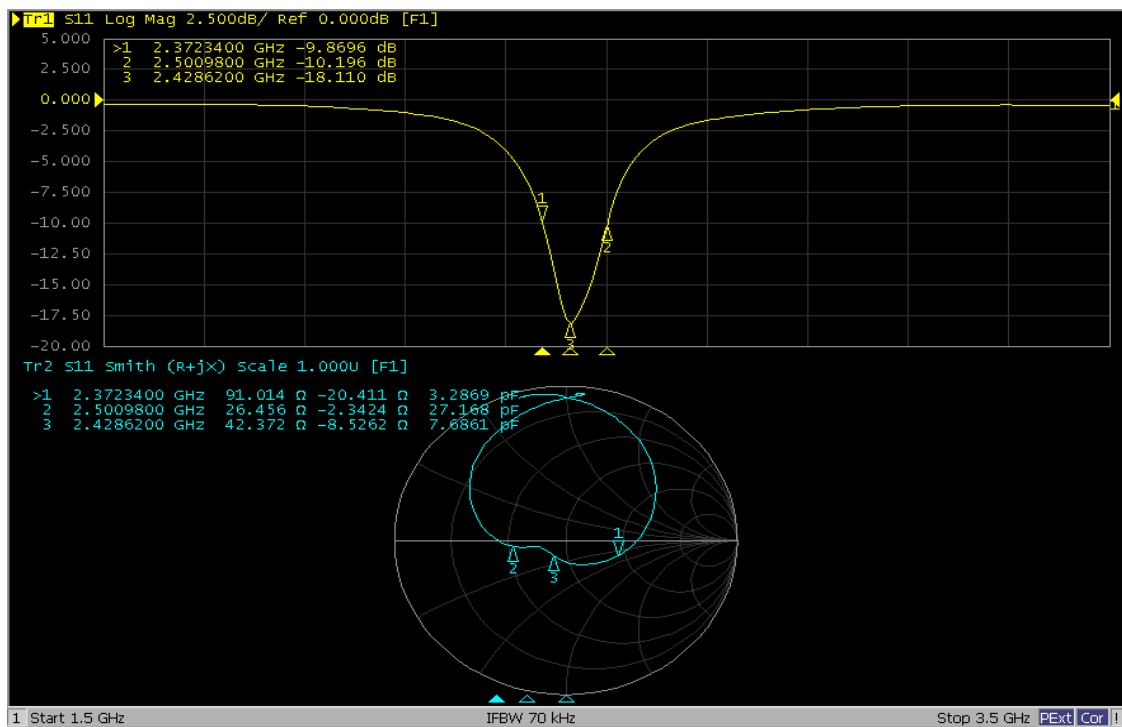
Sn	Frequency(MHz)	Gain(dBi)	Effciency(%)
1	2400	2.338	59.39
2	2410	1.603	49.11
3	2420	1.295	46.04
4	2430	0.388	36.89
5	2440	0.187	34.00
6	2450	0.02	31.71
7	2460	0.507	34.88
8	2470	0.291	31.89
9	2480	0.429	32.89

YM819 Antenna Parameters

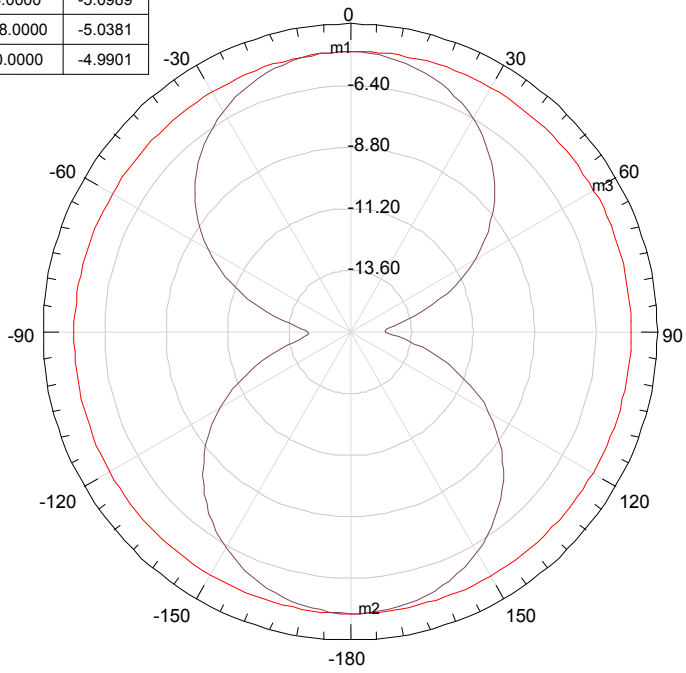
The antenna dimensions are shown in the diagram below. The substrate is a two-layer FR4 board, 1.0mm thick, and manufactured using a lead-free process. The antenna linewidths are: A: 0.15mm; B: 0.25mm; C: 0.4mm.



The antenna performance of S11 is as follows:



Name	Theta	Ang	Mag
m1	-4.0000	-4.0000	-5.0989
m2	178.0000	178.0000	-5.0381
m3	60.0000	60.0000	-4.9901



Curve Info
dB(GainTotal)
Setup1 : Sweep1
Phi='0deg'
dB(GainTotal)
Setup1 : Sweep1
Phi='90deg'

