

Antenna specification

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Shenzhen ElinkThings Co. , Ltd

Manufacturer Information

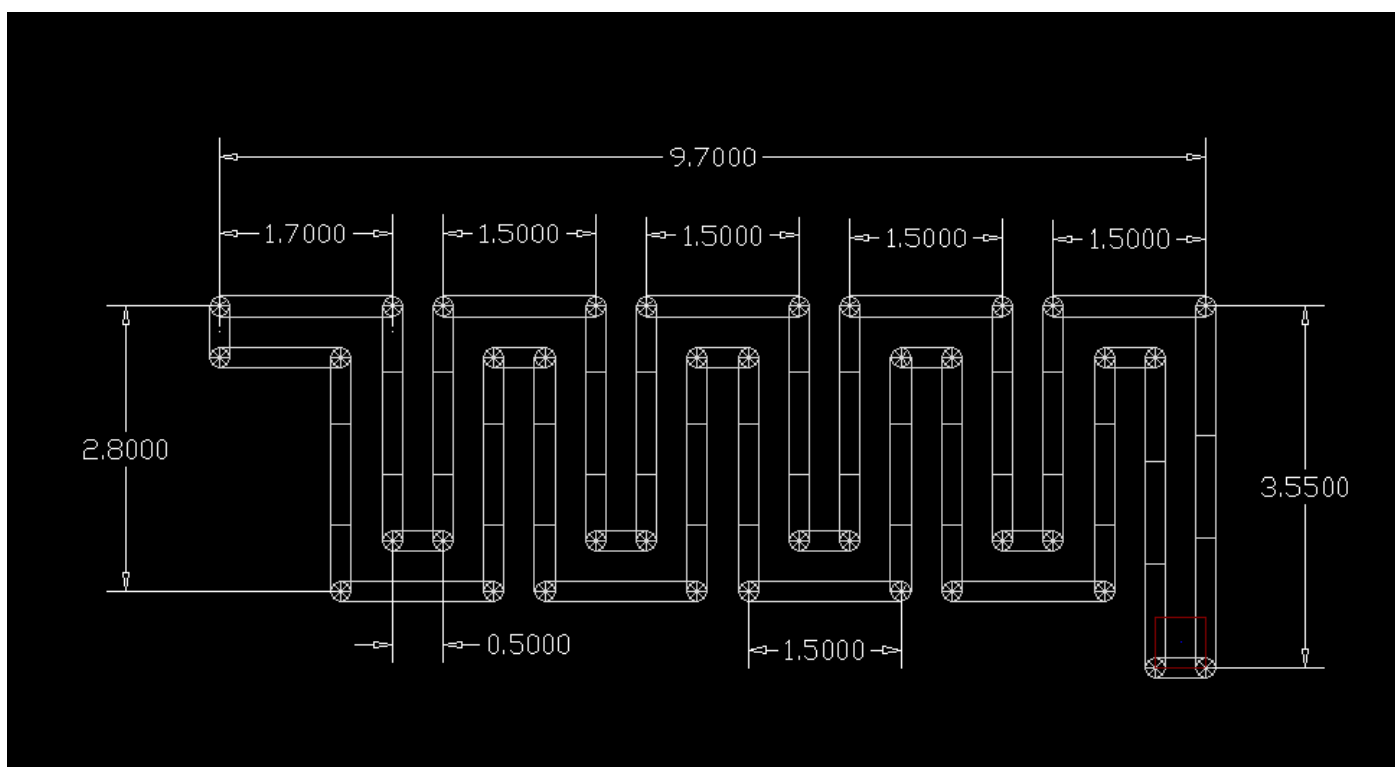
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Catalogue

1 、 Antenna size(size in:mm)	- 2 -
2 、 Antenna specifications	- 3 -
3 、 Commissioning frequency of antenna network	- 4 -
4 、 Efficiency of the antenna test	- 4 -
5 、 2D graph	- 5 -
6 、 3D graph	- 6 -
	- 7 -

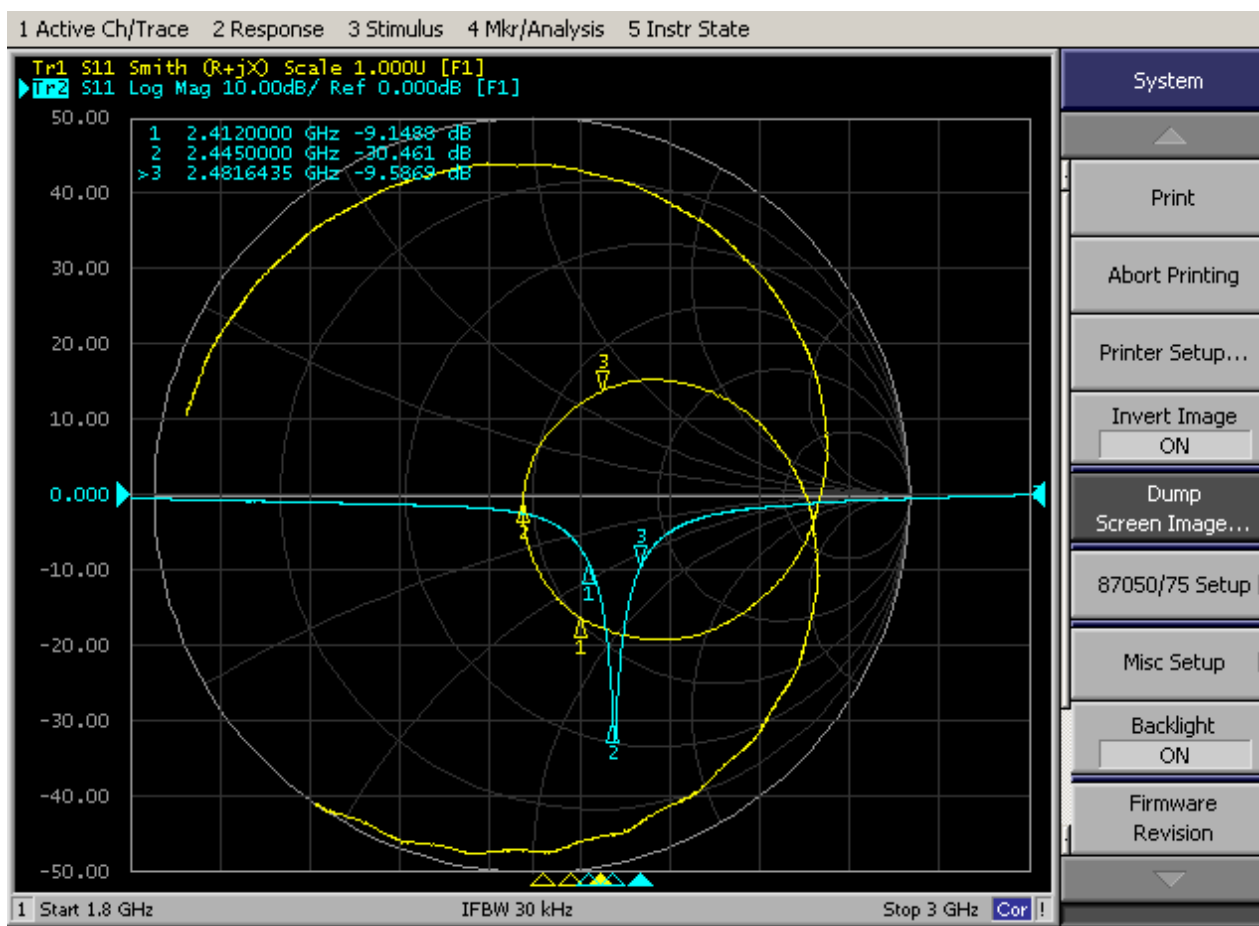
1 、 Antenna size (size in: mm)



2 、 Antenna specifications

Order number	Parameter item	Define
1	Working frequency of the center	2441MHz
2	Work bandwidth	2400---2480Mhz
3	Rate of data signal ling	1Mbps
4	Antenna type	PCB Antenna
5	Antenna gain	-1.08dBi
6	Impedance	50ohm
7	Modulation type	GFSK

3 、 Commissioning frequency of antenna network



The echo loss of 2.445GHz is -30dB and the impedance is around 50. Bandwidth 80m

4 、 Efficiency of the antenna testing

passive test for 2.4g			
Freq (MHz)	Gain(dB)	Efficiency(dB)	Efficiency(%)
2400	-2.125670268	-6.512982178	22.32039018
2410	-1.839793728	-6.350555158	23.17098436
2420	-1.64029678	-6.246810655	23.7311582
2430	-1.328848956	-5.925152964	25.5555189
2440	-1.132319256	-5.799553085	26.30538676
2450	-1.087960046	-5.849299265	26.00579133
2460	-1.316358881	-6.006721723	25.08001707
2470	-1.579335991	-6.245067499	23.74068524
2480	-1.962892418	-6.454212193	22.62448909
2490	-2.50538583	-6.753449407	21.11811056
2500	-3.031894388	-7.252236224	18.8267943

6 、 3D graph

