

Antenna Specifications

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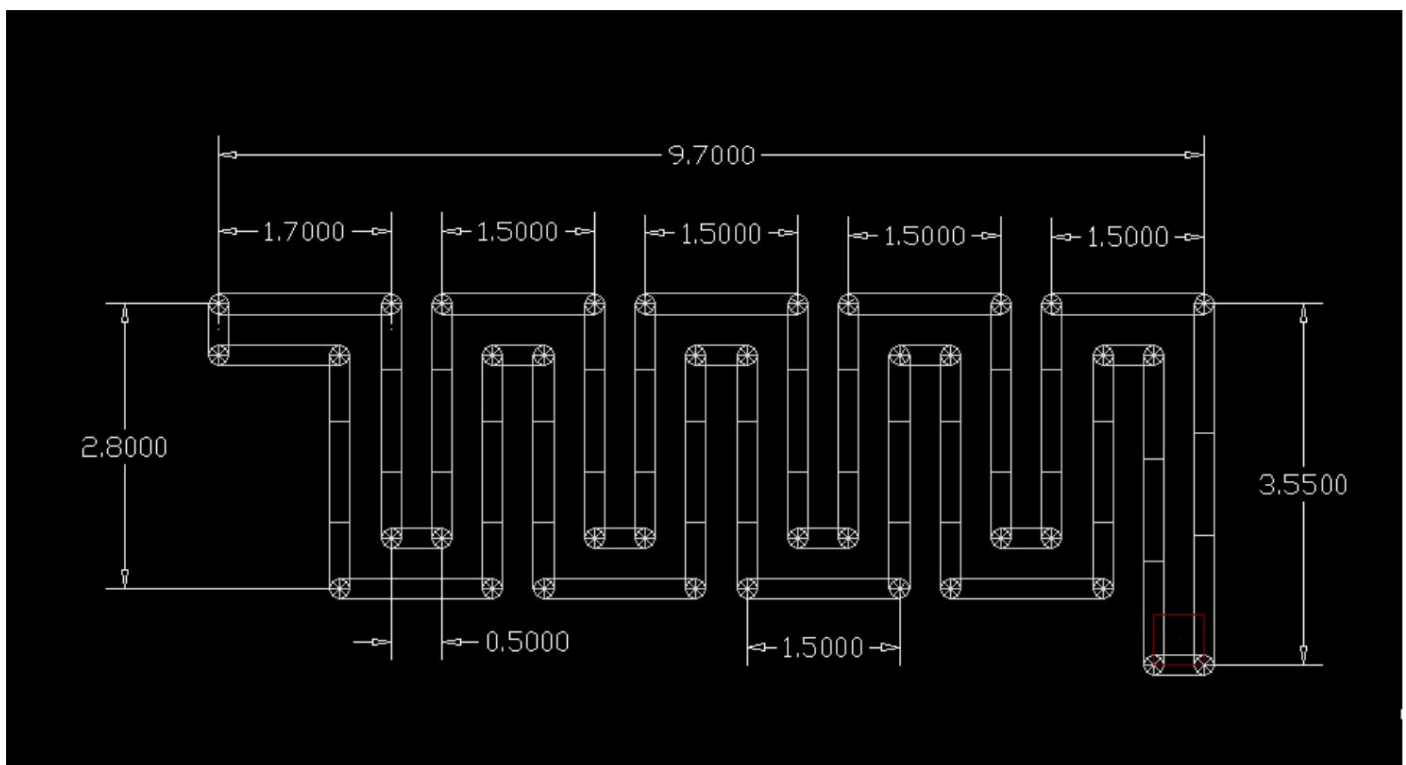
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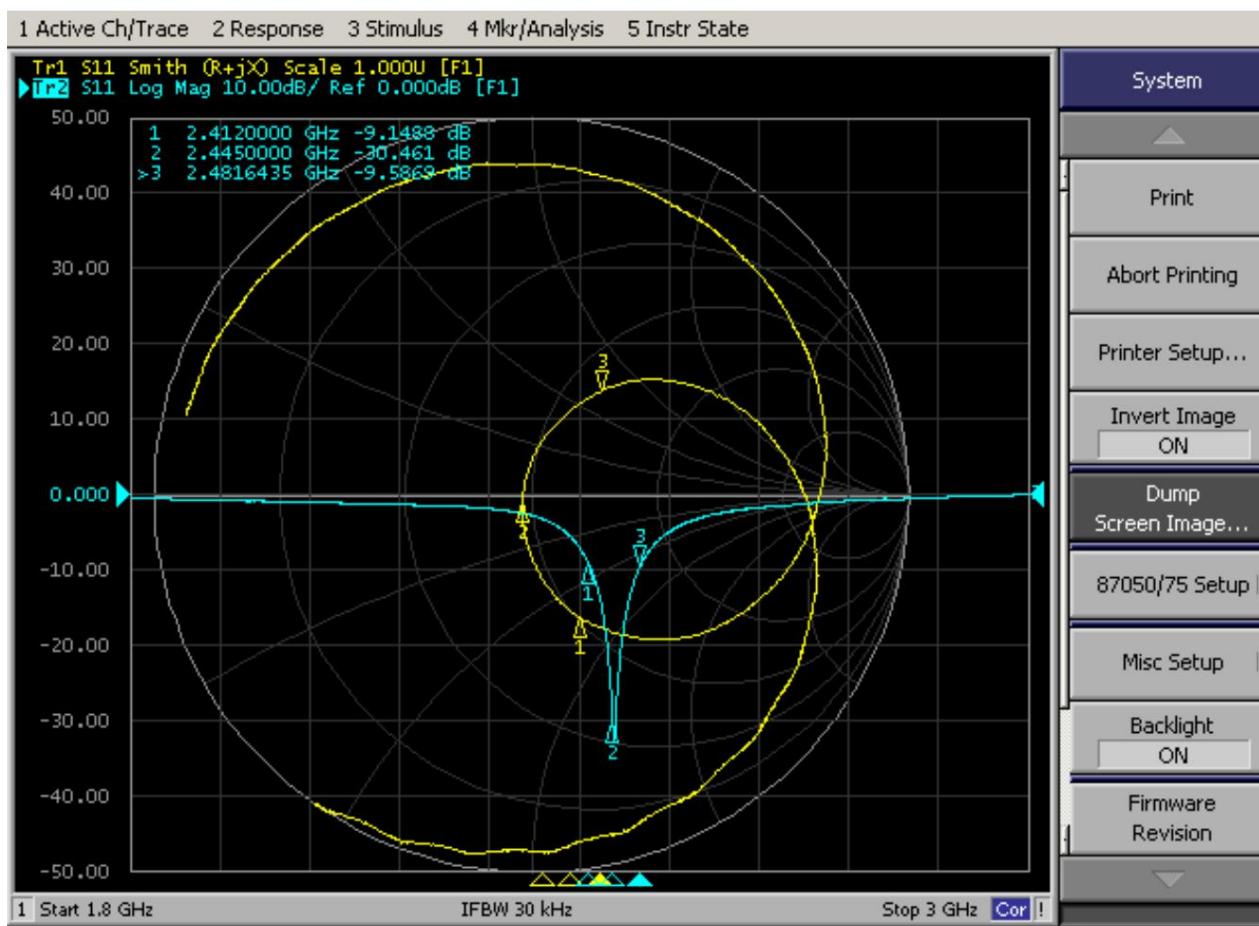
1. Antenna dimensions (unit: mm)



2. Antenna Specifications

Serial Number	Parameter	Detailed description
1	item center operating frequency	2441MHz
2	Operating bandwidth	2400-2480MHz
3	Data transmission rate	1Mbps
4	Antenna type	Onboard PCB antenna (default)
5	Antenna gain	-1.0dBi
6	impedance	50 ohms
7	Modulation type	GFSK

3. Antenna network frequency adjustment



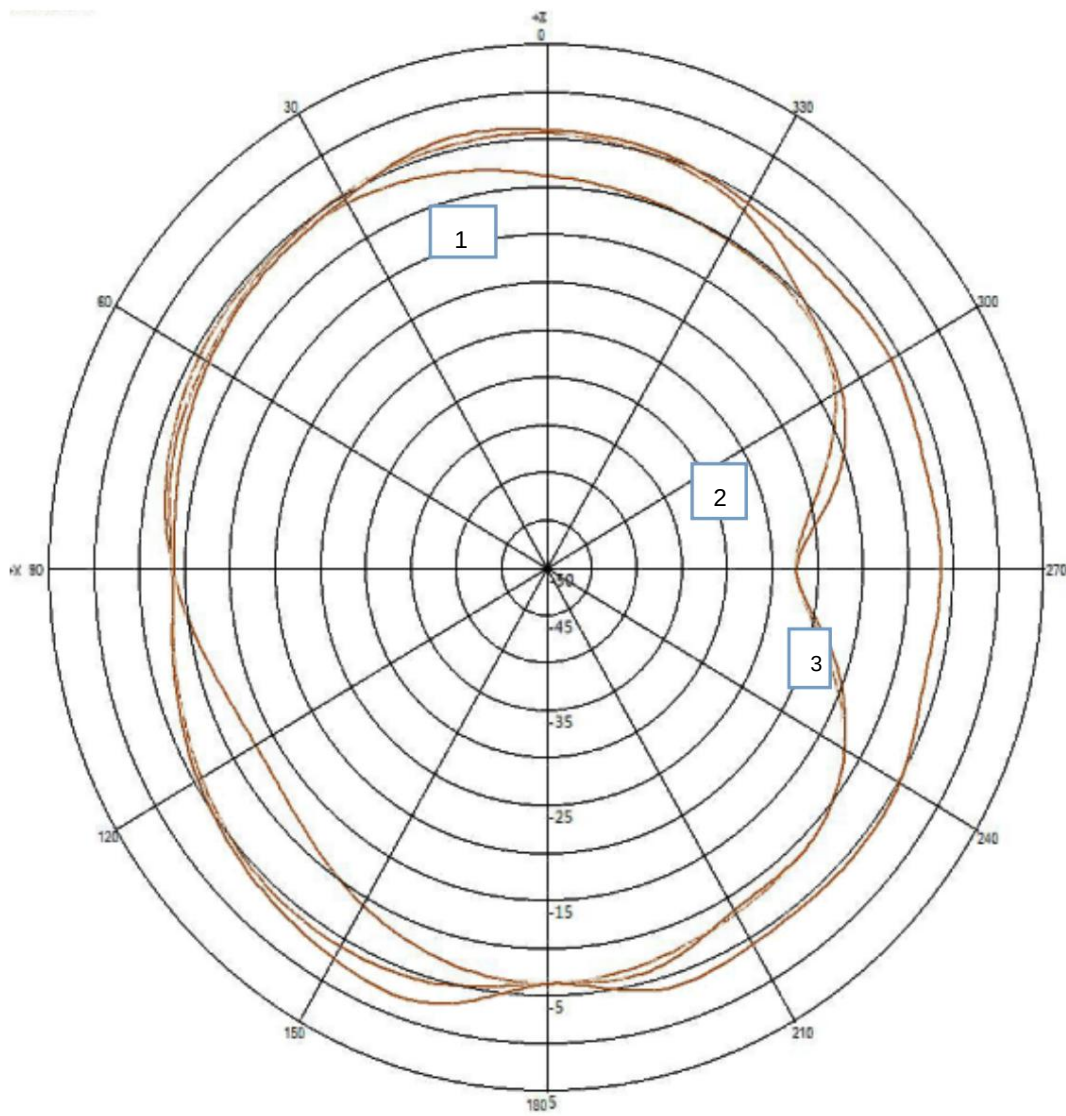
The antenna has a return loss of -30dB at a frequency of 2.445GHz and an impedance of approximately 50 Ω . The bandwidth is 80m.

4. Antenna testing efficiency

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

5. 2D diagram

- (1) XY-Plane
- (2) ZY-Plane
- (3) ZX-Plane



6. 3D graphics

