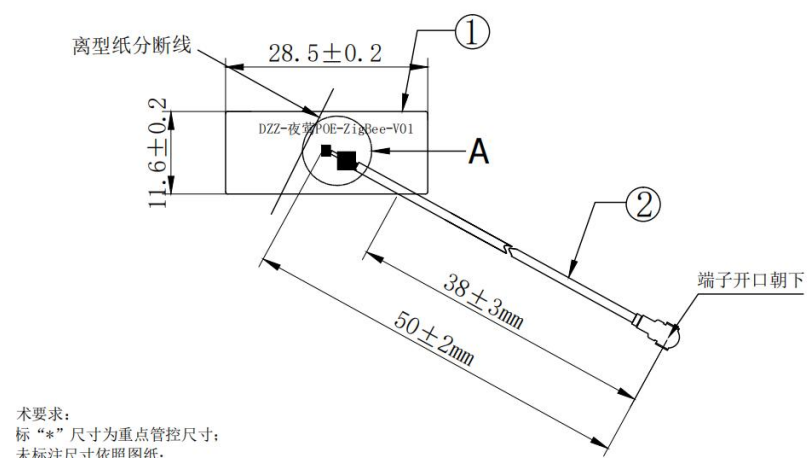


1. Antenna Information

Product Model	夜莺
Antenna Model	夜莺 POE 版-Zigbee
Antenna Type	PIFA
Manufacturer	Shenzhen Be-Comfortable Technology Co. Ltd

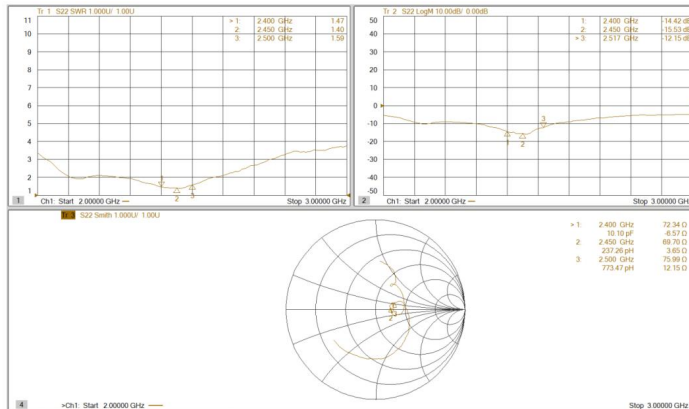
2. Antenna Picture



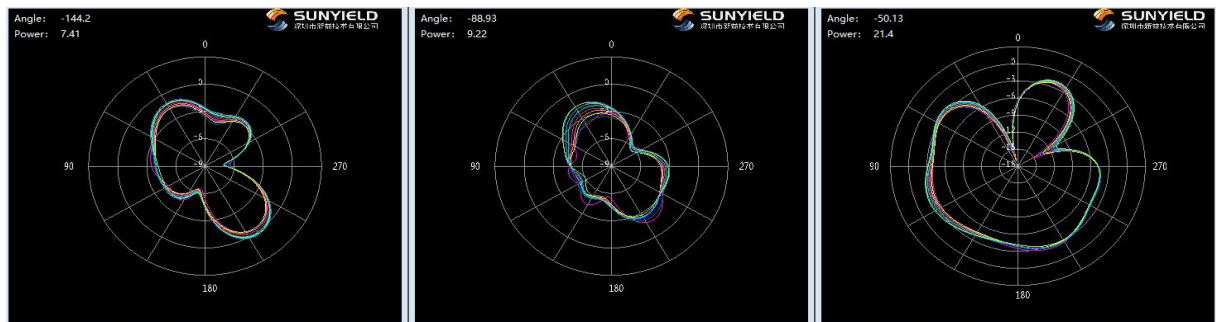
3. Electrical Specification

Frequency Range	2405 - 2480 MHz
Bandwidth	75 MHz
Input Impedence	50 Ω
S11	≤ -10 dB
Peak Gain	0.32 dBi

4. Antenna S11



5. Radiation Pattern



6. Test Results

Frequency ID	Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency (%)
1	2400	-0.06	-3.52	44.49
2	2410	-0.25	-3.57	44.00
3	2420	-0.27	-3.63	43.32
4	2430	-0.33	-3.71	42.54
5	2440	-0.18	-3.85	41.17
6	2450	-0.03	-3.75	42.18
7	2460	0.14	-3.68	42.86
8	2470	0.21	-3.66	43.05
9	2480	0.32	-3.50	44.63
10	2490	0.30	-3.41	45.66
11	2500	0.24	-3.51	44.61