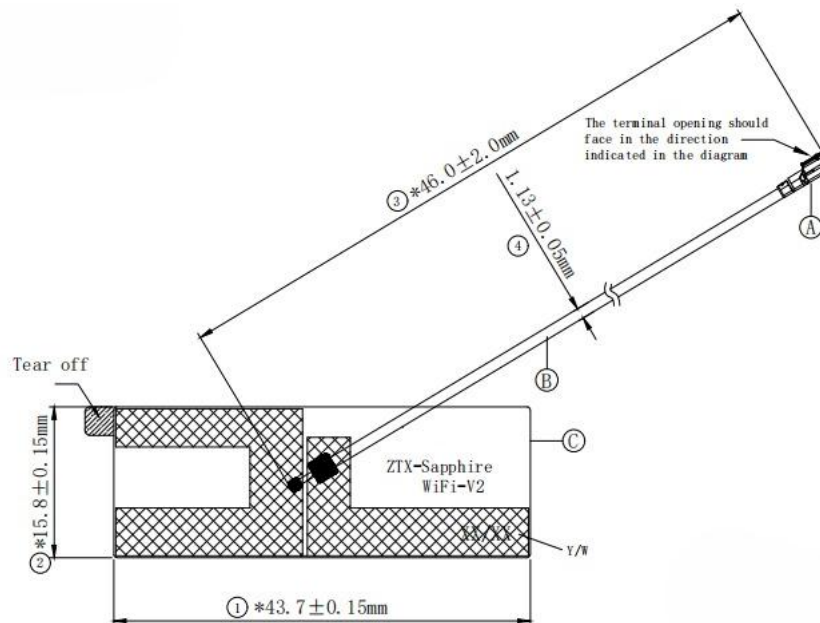


Antenna Specification

1. Antenna Information

Product Model	Sapphire
Antenna Model	Sapphire-doorbell-WiFi
Antenna Type	FPC Antenna
Manufacturer	Shenzhen ZTX Communication Technology Co., Ltd
Manufacturer Address	NO.34 Shilong Road, Baoan District, Shenzhen Guangdong Province, China

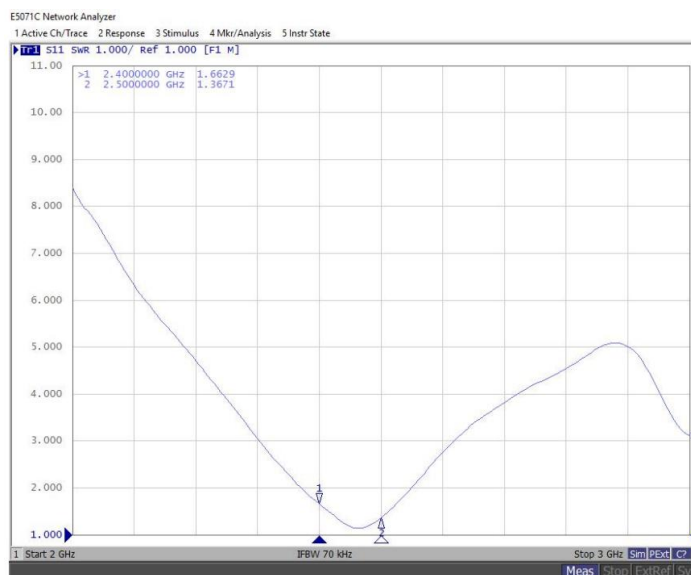
2. Antenna Picture



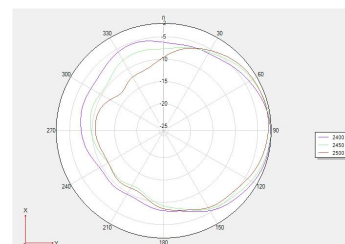
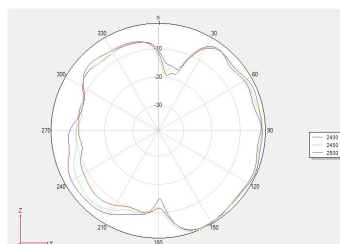
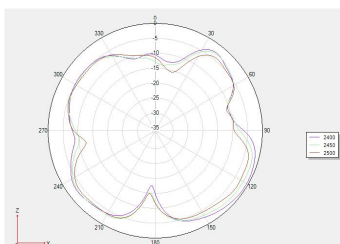
3. Electrical Specification

Frequency Range	2400 - 2500 MHz
Bandwidth	100 MHz
Input Impedence	50 Ω
S11	≤ -10 dB
Peak Gain	0 dBi

4. Antenna S11



5. Radiation Pattern



6. Test Results

Frequency ID	Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency (%)
1	2400	-0.2	-3.3	46.5
2	2410	-0.2	-3.2	48.4
3	2420	-0.1	-3.1	48.8
4	2430	-0.1	-3.2	48.2
5	2440	-0.3	-3.2	47.5
6	2450	-0.4	-3.2	47.5
7	2460	-0.2	-3.2	48.2
8	2470	0.0	-3.0	50.5
9	2480	-0.1	-3.1	48.6
10	2490	-0.1	-3.0	49.6
11	2500	-0.3	-3.1	48.9