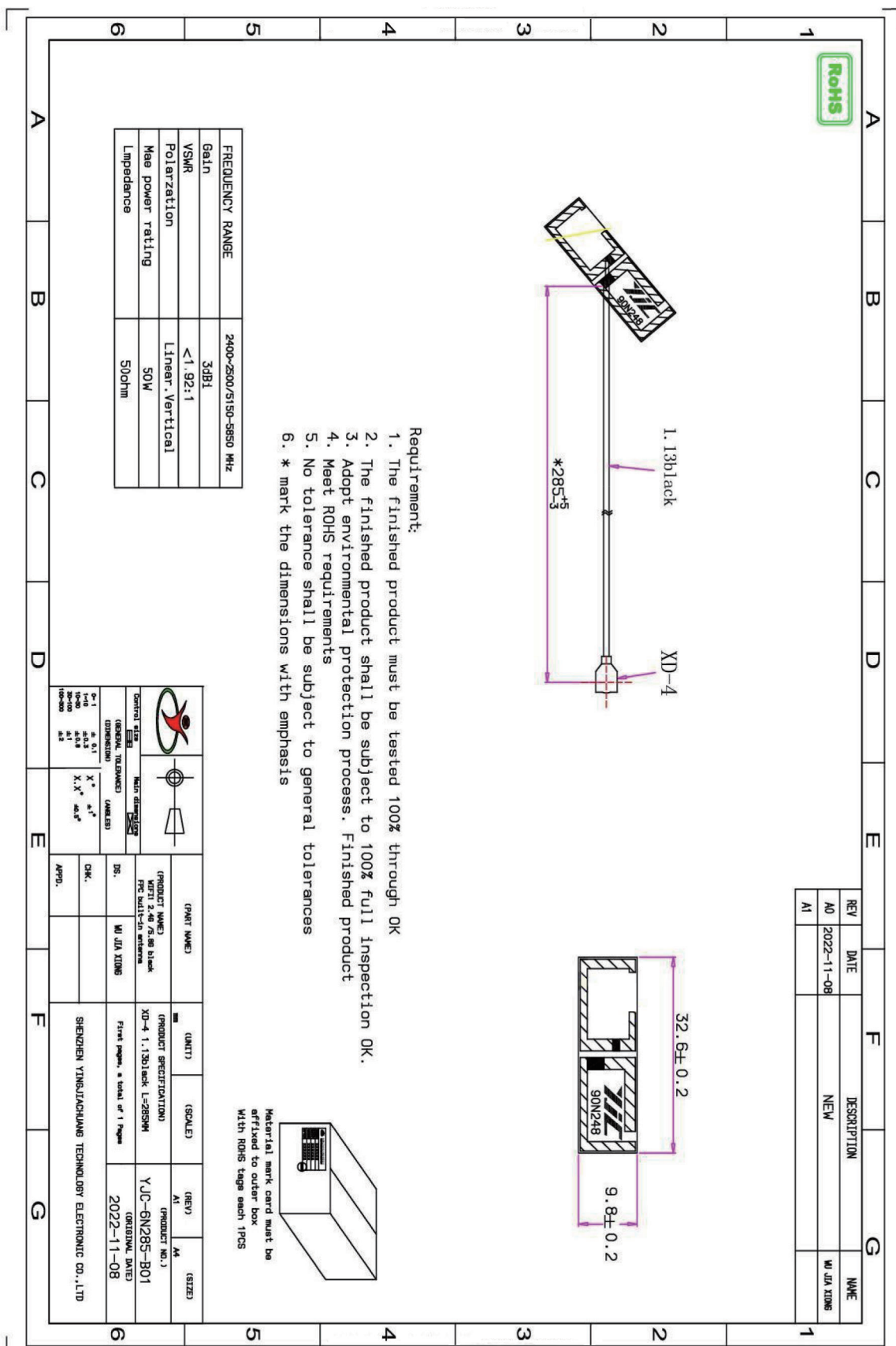


The antenna's floor plan:





Antenna technical parameters and environmental testing:

Electrical parameters of electrical apparatus			
Electrical Specifications		Mechanical Specifications	
Frequency Range	2400-2500/5150-5850 MHz	Cable Color	black
VSWR	<1.92:1	Input connector	XD-4
Input Impedance	50 Ω	Cable length	285 mm
Direction	All	Working Temperature	-20℃~+70℃
Gain	2.0 dBi	Working Humidity	20%~80%

Environmental performance test:

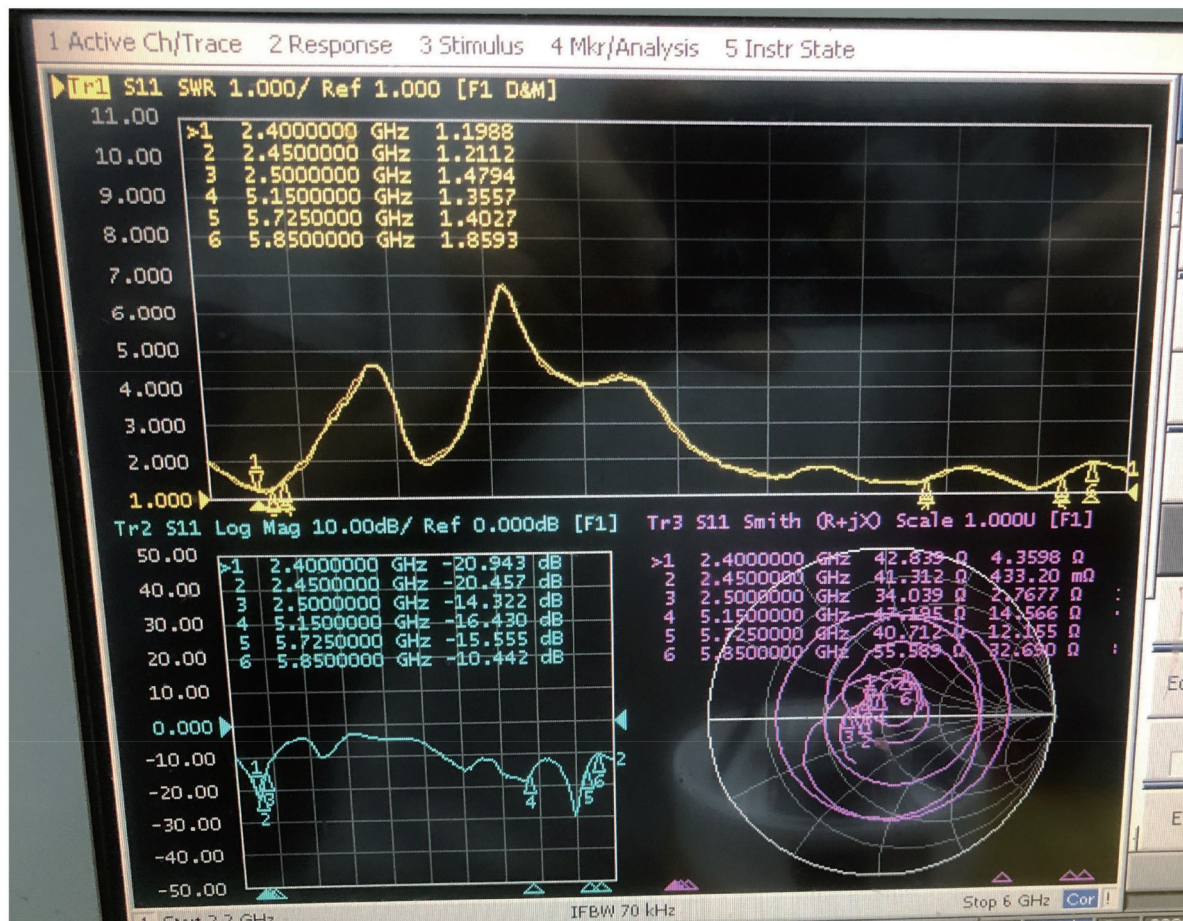
project	test condition	standard
Storage Conditions	In the absence of specified test temperature, humidity, air pressure is as follows: 1. Temperature is - 20 °C ~ + 70 °C 2. Relative humidity of 45% to 45% 3. Air pressure is 86 kpa to 106 kpa	Electrical and mechanical properties is normal
high and low temperature test	Between 70 °C and -20 °C for 5 loops, then 1-2 h under normal conditions, check the appearance quality.	Size should meet the requirements and should satisfy the content with the electrical and mechanical properties
Constant damp and hot resistance test	95 + / - 3% relative humidity, temperature test: 40 °C. Lasts 2 h after, try to take out the determination of electrical properties, within 5 min after try 1-2 h under article normal thing, check the appearance quality	Size should meet the requirements and should satisfy the content with the electrical and mechanical properties
vibration test	10-55 hz, vibration frequency range of displacement amplitude: 0.35 MM, acceleration amplitude: 50.0 M/S, sweep cycles: 30 times	Electrical and mechanical properties is normal
fall down test	1 m high altitude in accordance with the perpendicular axis free drop 3 times	Electrical and mechanical properties is normal



Physical picture of antenna and attach location picture:



Antenna performance test chart:





Antenna active test data:

Item	Measurement	Band	Channel	Frequency	Total
1	TRP	WIFI_B (11M)	1	2412	10.59
2	TRP	WIFI_B (11M)	6	2437	9.3
3	TRP	WIFI_B (11M)	11	2462	10.19
4	TIS(EIRP)	WIFI_B (11M)	1	2412	-83.63
5	TIS(EIRP)	WIFI_B (11M)	6	2437	-82.65
6	TIS(EIRP)	WIFI_B (11M)	11	2462	-83.69
7	TRP	WIFI_G (6M)	1	2412	9.9
8	TRP	WIFI_G (6M)	6	2437	11.9
9	TRP	WIFI_G (6M)	11	2462	12.14
10	TIS(EIRP)	WIFI_G (54M)	1	2412	-69.46
11	TIS(EIRP)	WIFI_G (54M)	6	2437	-71.1
12	TIS(EIRP)	WIFI_G (54M)	11	2462	-71.19
13	TRP	WIFI_N_ISM (6.5M)	1	2412	10.02
14	TRP	WIFI_N_ISM (6.5M)	6	2437	11.53
15	TRP	WIFI_N_ISM (6.5M)	11	2462	11.73
16	TIS(EIRP)	WIFI_N_ISM (65M)	1	2412	-64.77
17	TIS(EIRP)	WIFI_N_ISM (65M)	6	2437	-65.29
18	TIS(EIRP)	WIFI_N_ISM (65M)	11	2462	-65.34