



Antenna Approval Sheet

For
R30 MAXProject

Customer		Project	R30 MAX
Band	Bluetooth		
ZCPN			
Version	R:A	Data	2025-3-26

RF		ME	
CheckedBy			
ConfirmedBy			
CustConfirm			

1. Manufacturer information

Company name: Shenzhen Xinbino Communication Technology Co., LTD.
Address: Area A, Floor 3, Building 25, Feipeng Industrial Park, No.173, Ping An Avenue

2. Summary of the DUT

Antenna Picture



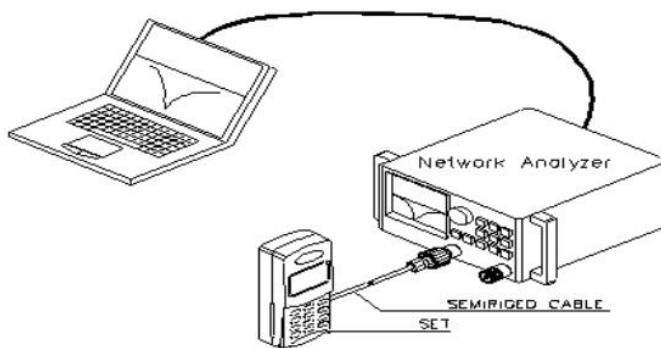
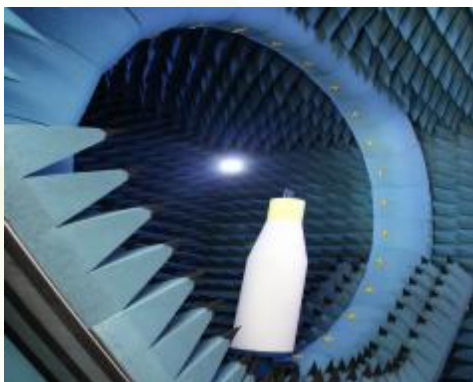
Size: 0.8*25mm

3. Electrical Specification:

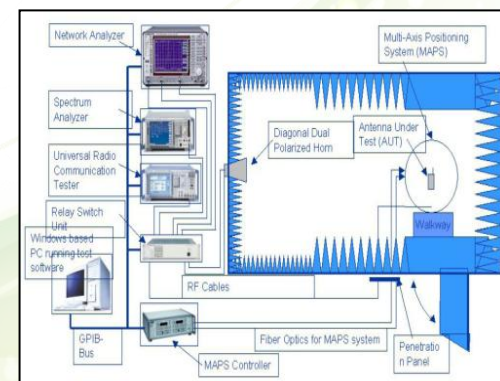
Antenna types	Built-in Bluetooth antenna
Frequency	2400-2500MHz
Impedance	50 Ω
VSWR	<1.5
Peak Gain	2.4GHz:-0.27dBi
Efficiency	>10%
Antenna Material	Bluetooth wire
Connector Type	bonding wire; wire solder

4.1 Passive Test Report

Test method: use a 50 ohm CABLE cable for the export of the instrument test port, use the SMA connector of the hand mechanism, and record the data such as echo loss or standing wave ratio corresponding to the relevant frequency point.



测试示意图



4.2 Matching Circuit The matching circuit was Default

5. RF Performance

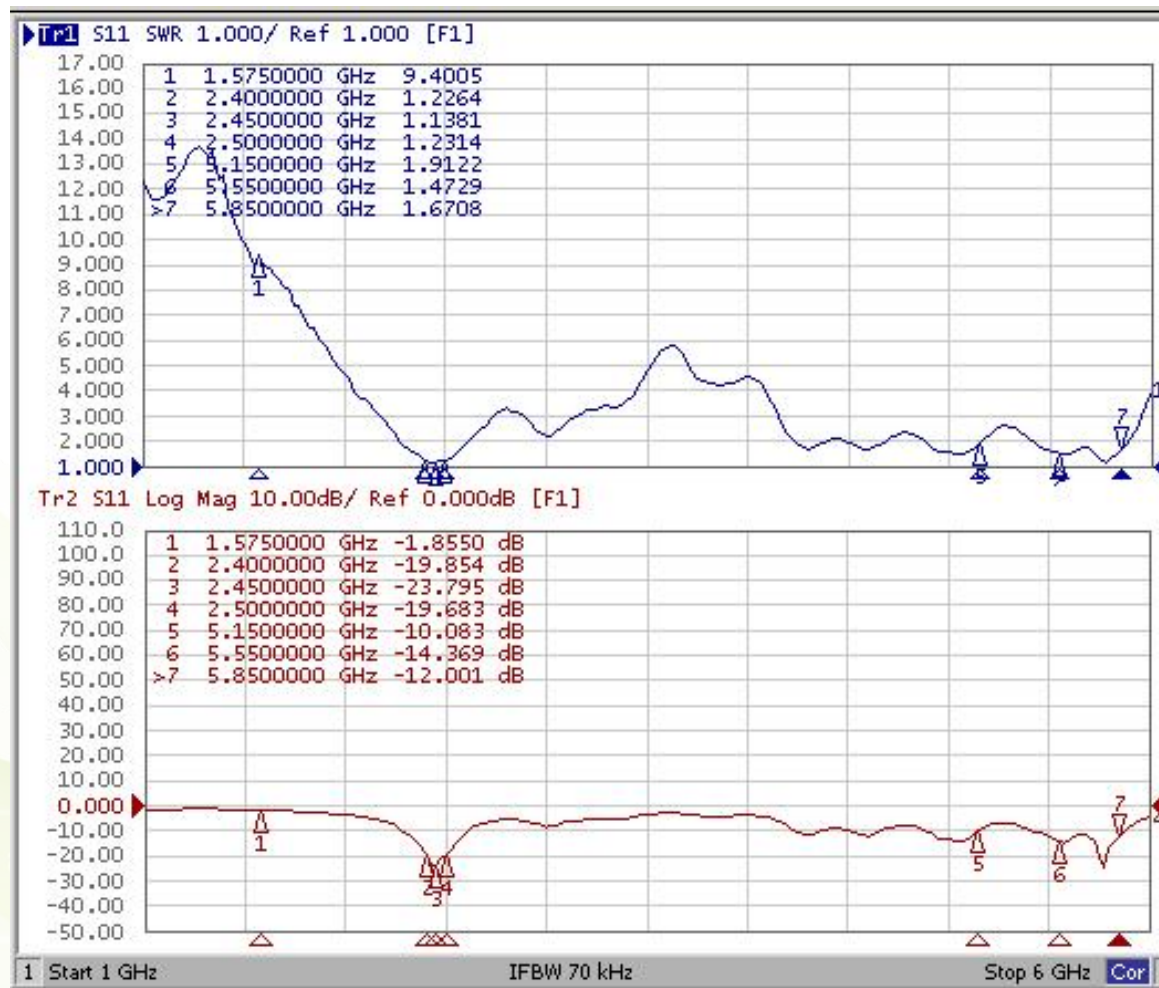
5.1 Passive parameters

Freq.(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain(dBi)	-0.27	0.13	0.35	0.6	0.25	0.39	-0.31	0.26	0.33	0.35	0.36

5.2 S Parameter

Frequency (MHz)	2400	2450	2500
Return Loss (dB)	-19.8	-23.8	-19.7
VSWR	1.22	1.14	1.23

Return Loss



5.3 Antenna 3D Radiation Pattern (Unit:dbi)

2450MHz

