

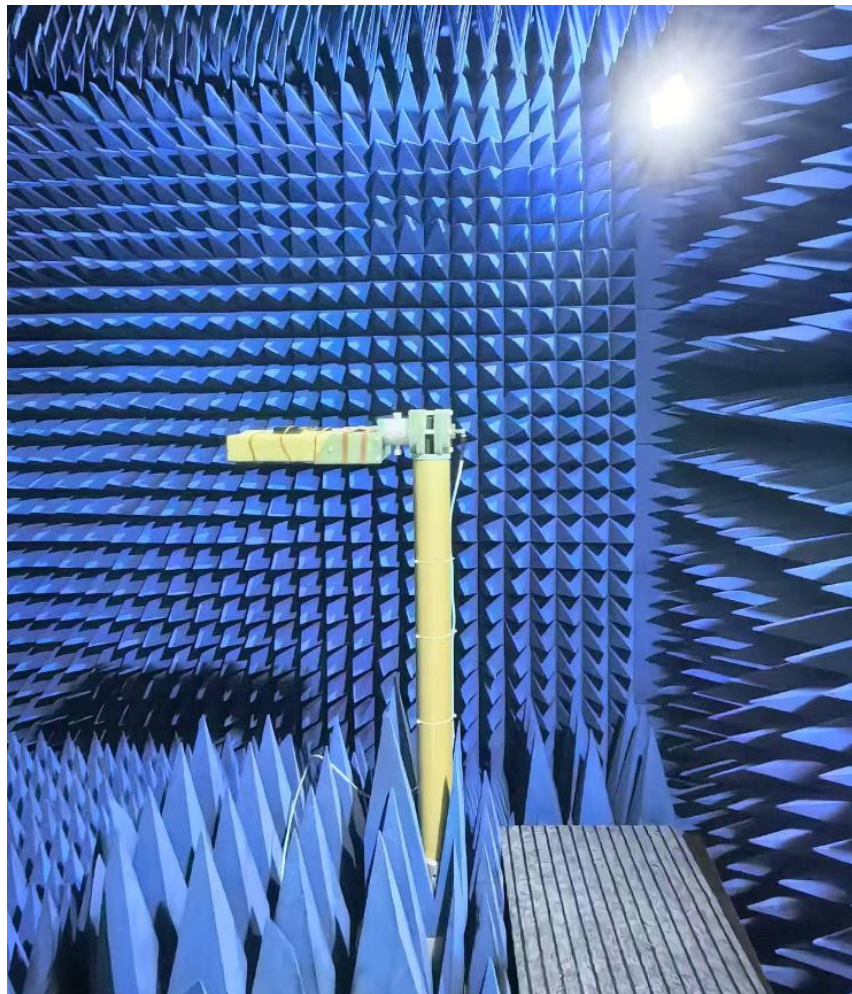
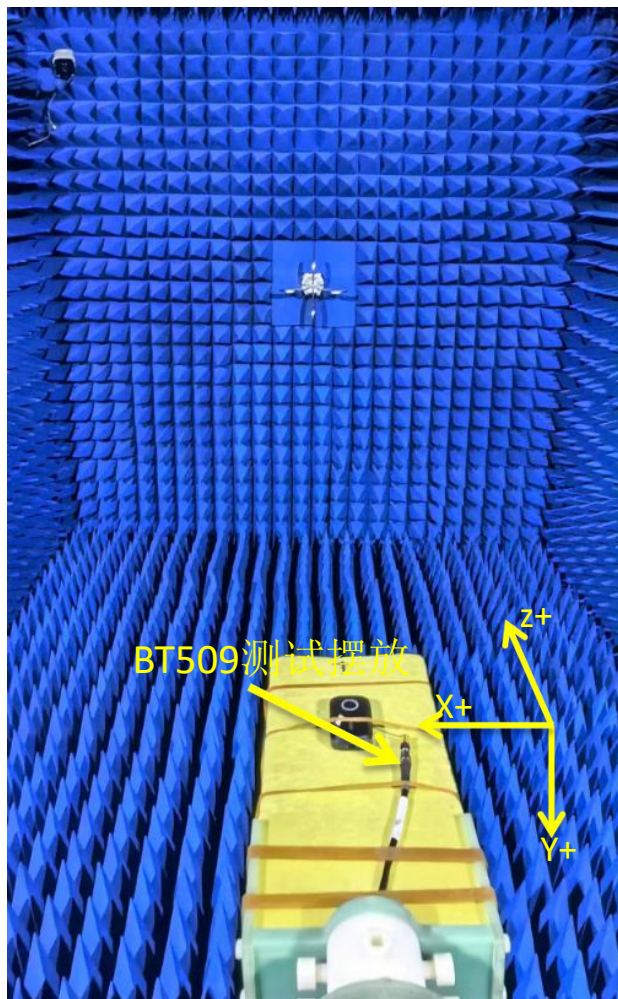
Shenzhen Forbert Electronics Co., Ltd



BT509 BT Antenna Specification

The name of the project	BT509	
Antenna Engineer	Bear worker	
Contact		
Version and date of the report	2025/3/20	
Test equipment	CMW500	
Machine status	Mockup type	Pre-production version
	Antenna version	
	other	

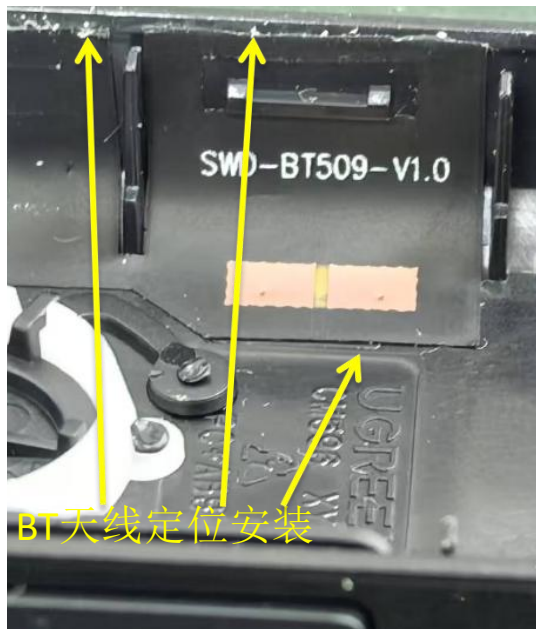
Test the scenario



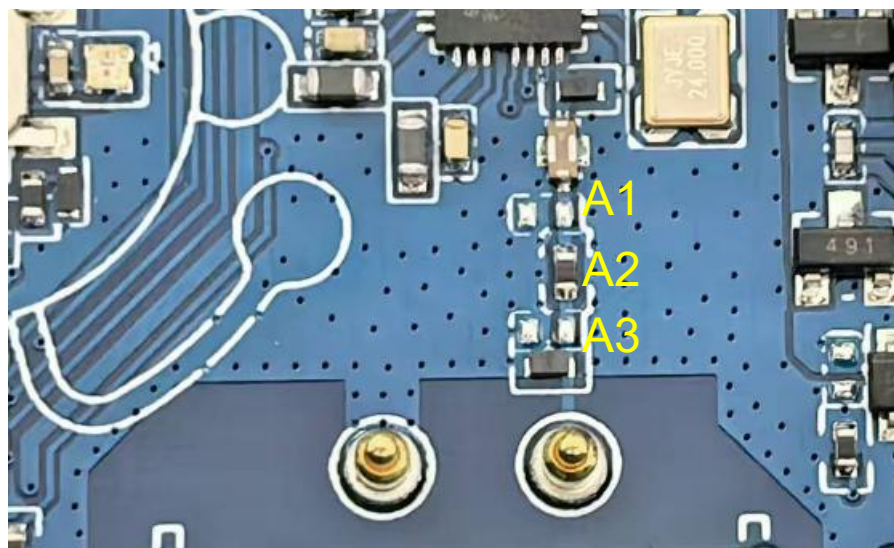
Antenna installation



BT Antenna



Antenna matching parameter

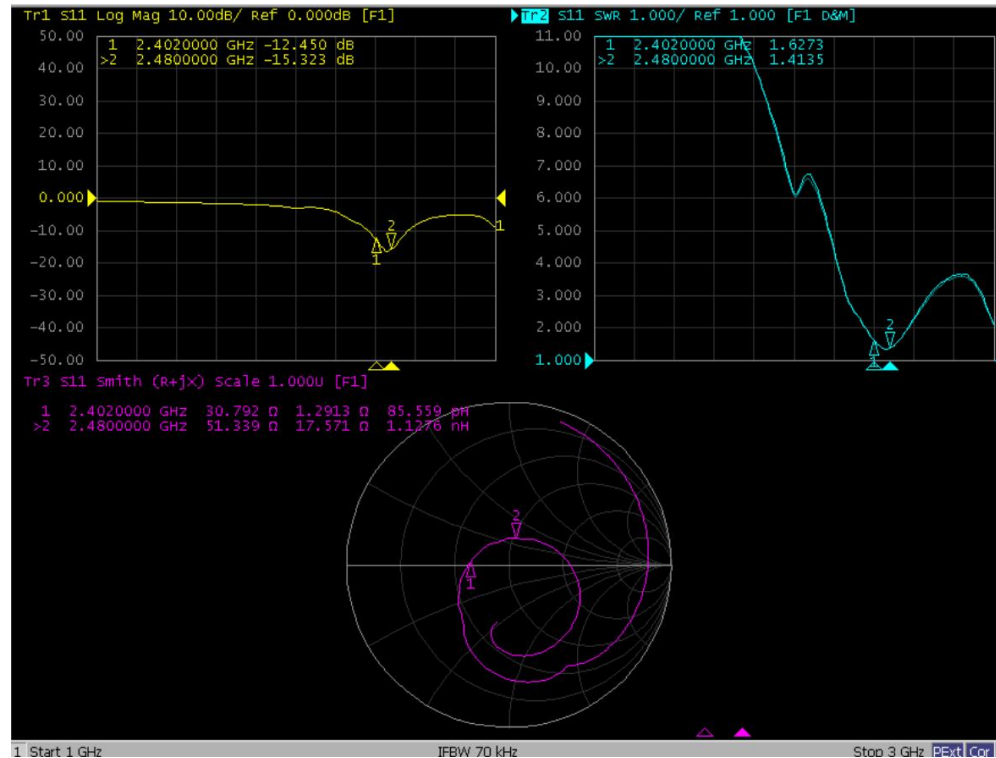


Tag Number	Antenna matching parameter
A1	NC
A2	0R
A3	NC

S11 Test



BT Antenna



Freq	2402Mhz	2480MHz
VSWR	1.63	1.41
Log Mag	-12.45	-15.32

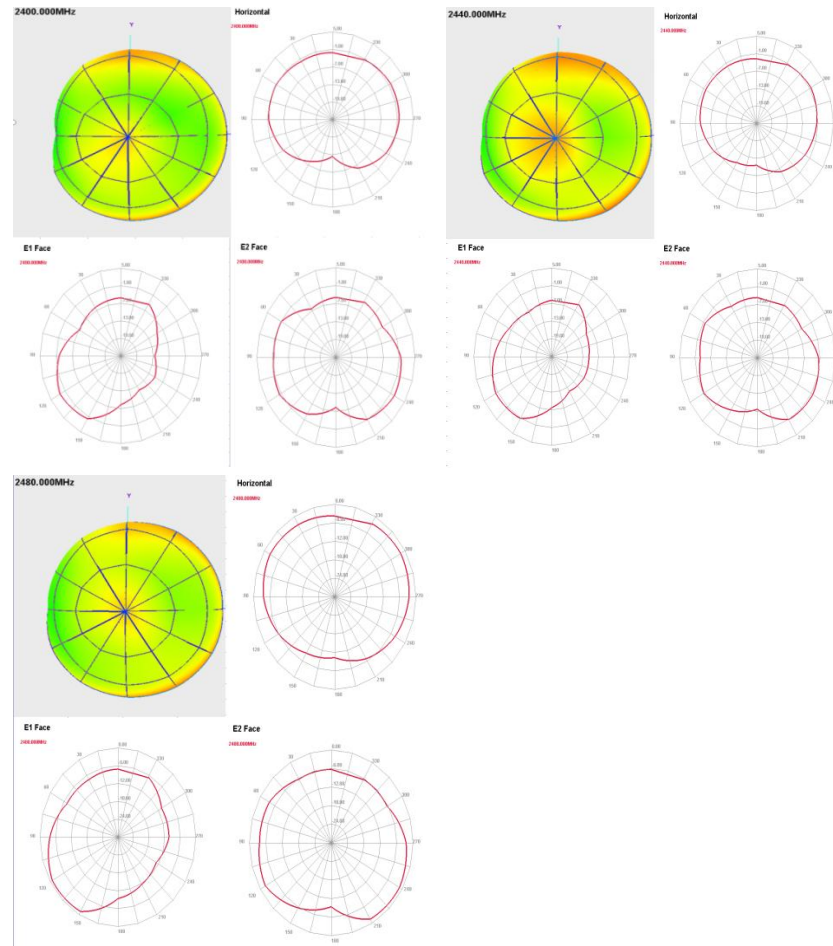
Passive test data



BT Antenna

Frequenc y/Mhz	Efficiency / %	MaxGain/ dBi
2400	56.74	0.56
2410	57.59	0.65
2420	58.42	0.72
2430	59.65	0.83
2440	60.03	0.92
2450	58.37	0.64
2460	56.65	0.43
2470	53.87	0.35
2480	52.23	0.27

2D /3D Radition pattern

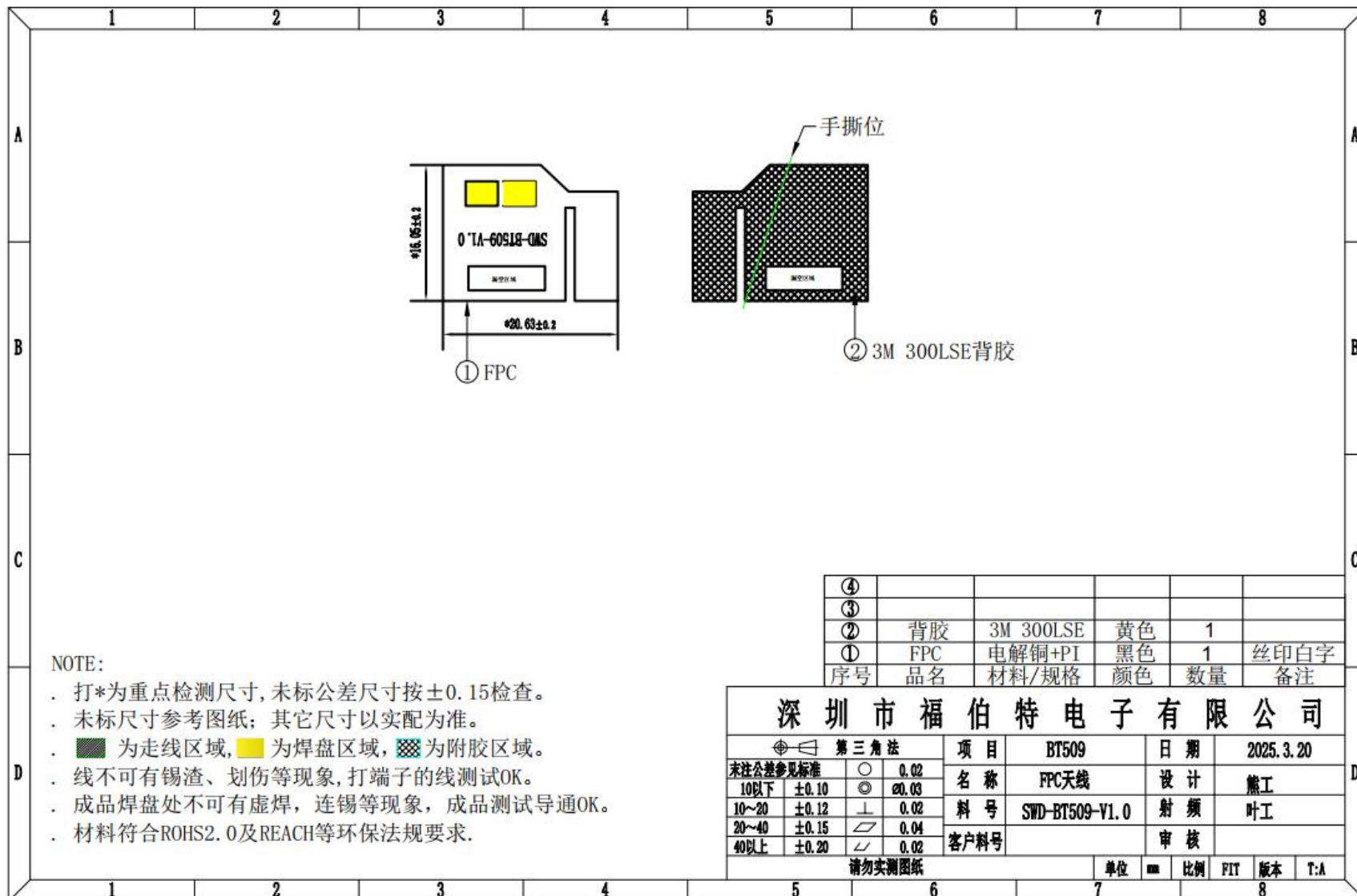


Active test data



Item	Measurement	Channel	Frequency	Total
1	TRP	0	2402	5.92
2	TRP	39	2441	6.68
3	TRP	78	2480	6.03
4	TIS	0	2402	-90.06
5	TIS	39	2441	-90.75
6	TIS	78	2480	-90.16

Antenna drawing



Conclusion



The BT509 BT antenna has good passive and active performance, and the measured distance also meets the customer's requirements..



Thank you and happy cooperation!

The Concepts National Income And National Product Have Roughly The
Same Value And Can Be Used Interchangeably If Our Interest Is In
Their

