

Shenzhen yosong Communication Technology Co., Ltd

Antenna Test Report

Model:BF01



Date: September 28, 2024

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1.Introduction to Project Debugging

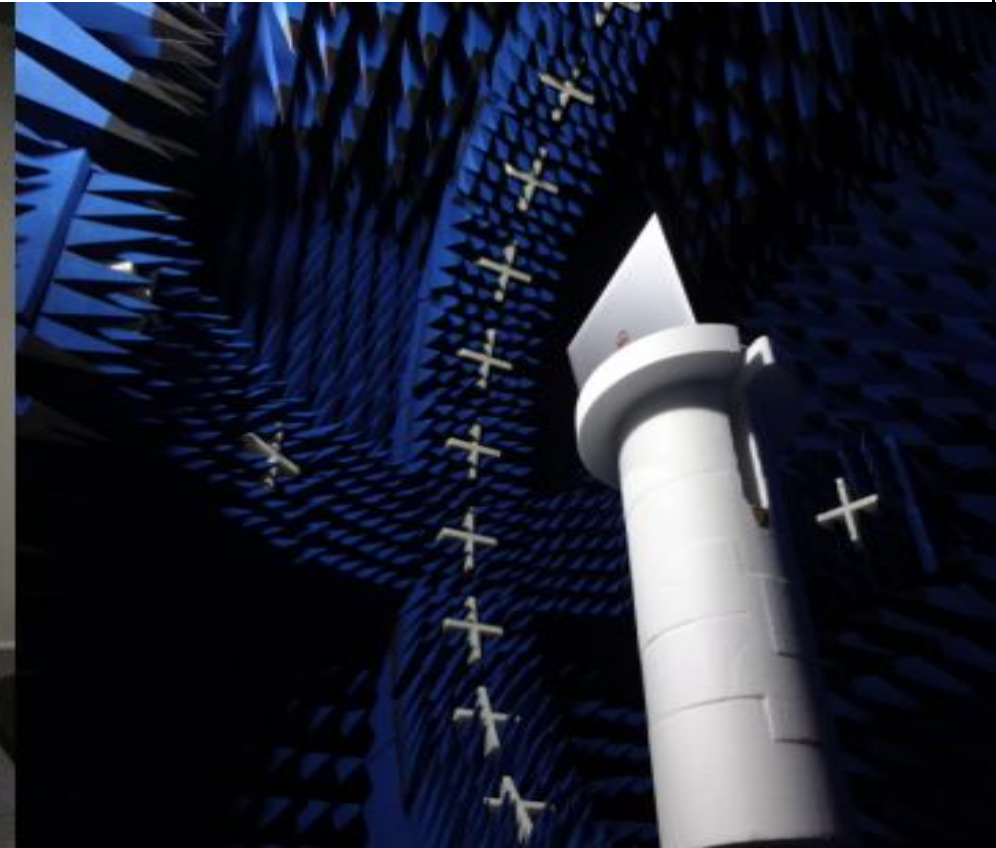
Customer name	Thousandshores	Project name	BF01 core module		
model aircraft	BF01	Antenna material	FPC+Cable		
Antenna overview	Antenna frequency band		Antenna area	Antenna form	Whether the antenna configuration has been changed
	2.4G BT	2400MHz-2500MHz	side wall	Monopolar	No
Manufacturer	SHENZHEN ZHISHENDA TECHNOLOGY CO.,LTD				

2.Project leader contact information

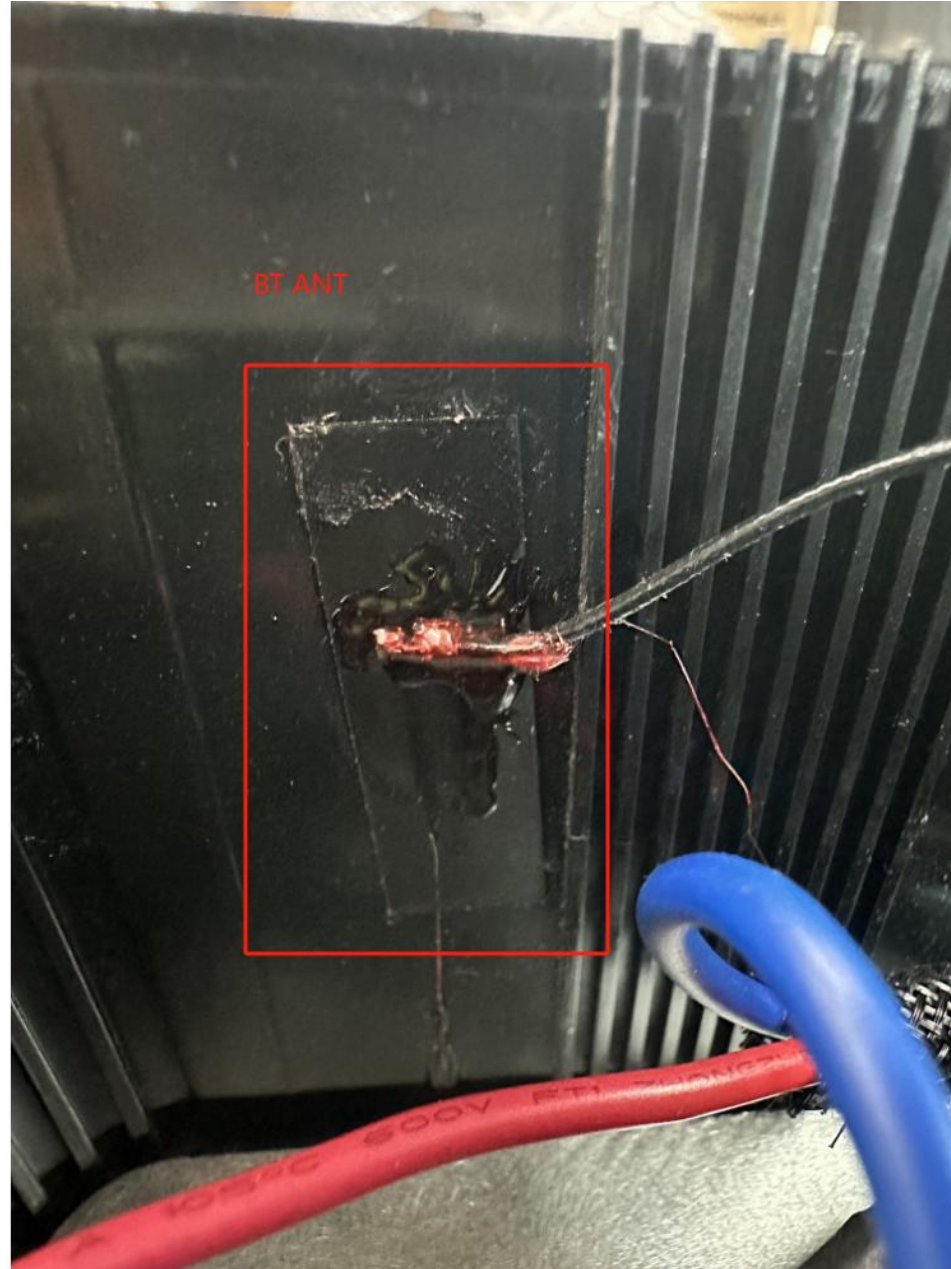
Business Engineer	mingxing Dong	13823366570	mxtianxian@163.com
RF Engineer	chao Chen	13030583363	mxtainxian@163.com
ME Engineer	ye He	18576423302	mxtainxian@163.com

3.testing environment

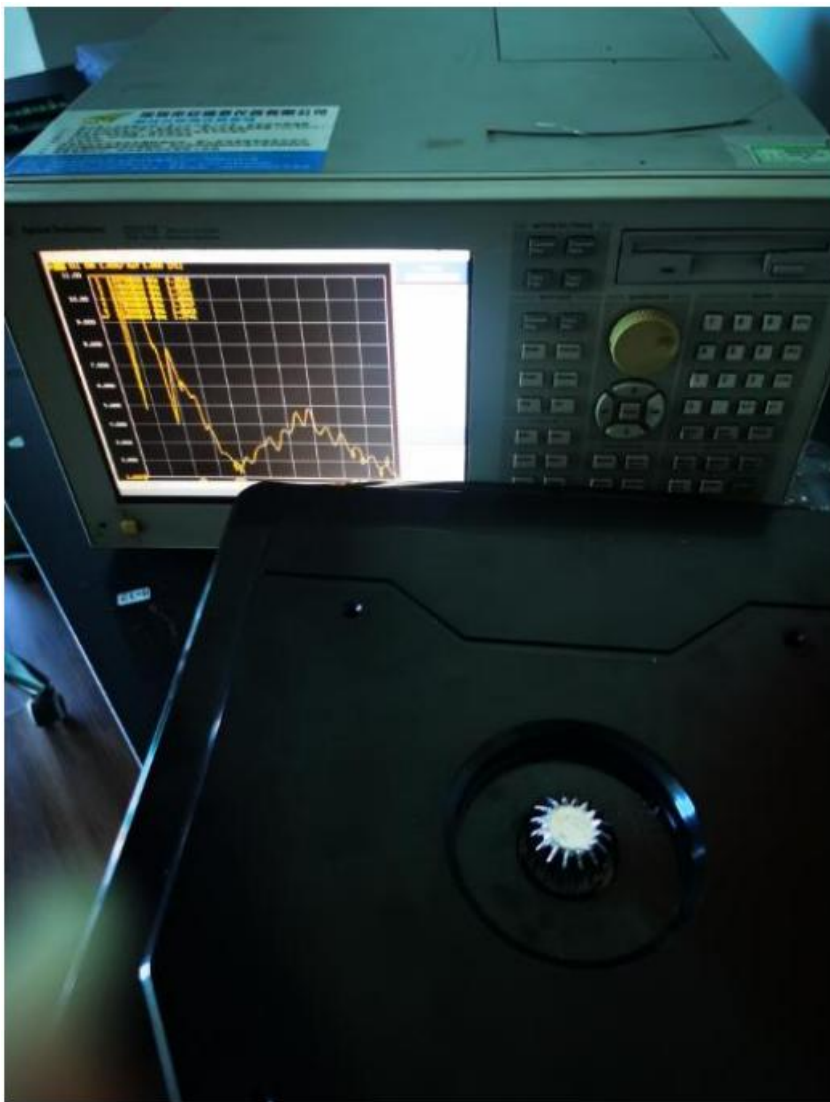
Comprehensive Tester	CMW500
Darkroom	ETS
Test Engineer	wei Yi
temperature	25°C
Humidity	65% (RH)



4. 1 Antenna Position Diagram



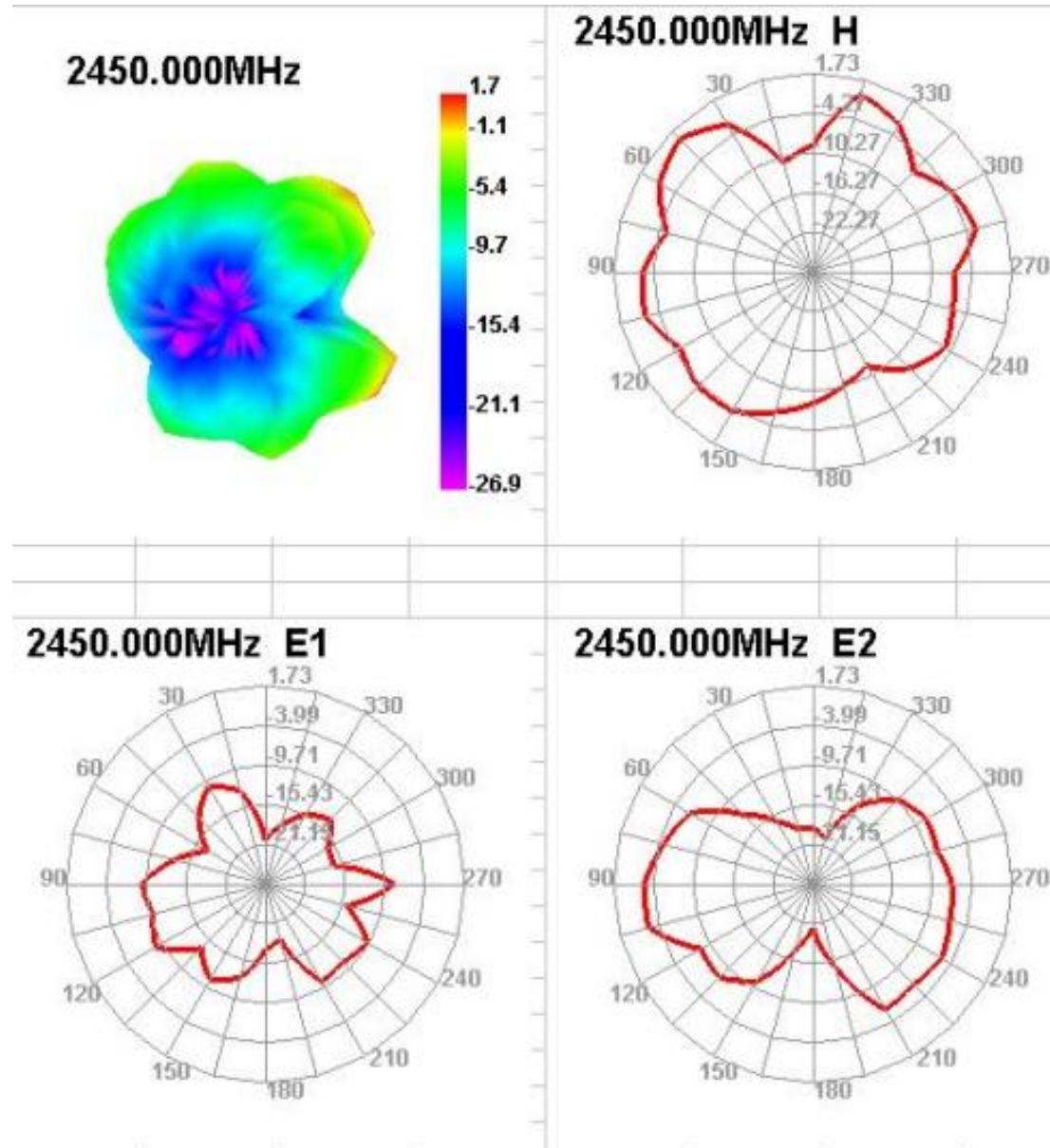
5.1 BT Antenna LOG and SWR



5.2 ANT Efficiency and gain

Passive Test For 2.4 BT			
Freq	Effi	Effi	Gain
(MHz)	(%)	(dB)	(dBi)
2400	38.41	-4.16	1.3
2410	39.17	-4.07	1.47
2420	43.81	-3.58	1.46
2430	41.53	-3.82	1.35
2440	42.36	-3.73	1.42
2450	43.69	-3.60	1.51
2460	45.59	-3.41	1.88
2470	46.21	-3.35	1.91
2480	45.11	-3.46	1.82
2490	44.32	-3.53	1.68
2500	43.81	-3.58	1.52

5.3 BT Antenna radiation pattern



THANK YOU



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