

Shenzhen Zhishendar Communication Technology Co., Ltd

Antenna Test Report

 **Date: August 1, 2025**

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1.Introduction to Project Debugging

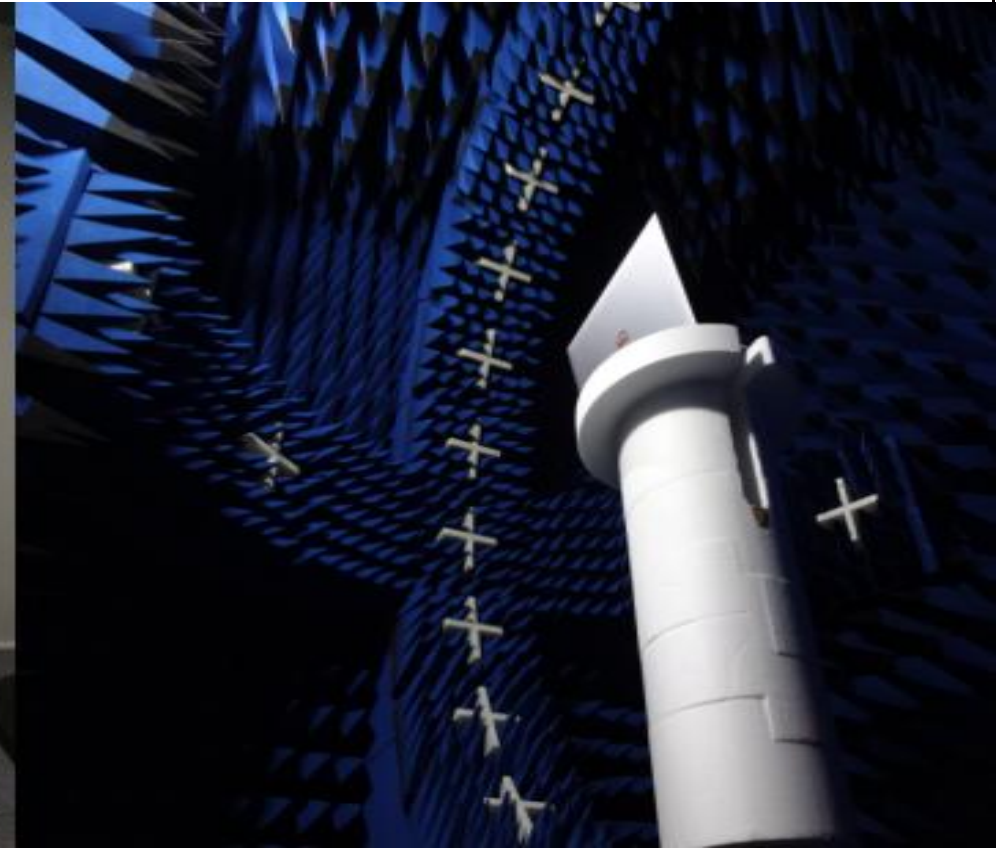
Customer name	Sinocam	Project name	BW4 CAM		
model aircraft	_BW4_	Antenna material	FPC+ Cable		
Antenna overview	Antenna frequency band		Antenna area	Antenna form	Whether the antenna configuration has been changed
	2.4G WIFI	2400MHz-2500MHz	side wall	Monopolar	No
Manufacturer	Shenzhen Zhishendar Communication Technology Co., Ltd				
Antenna model	BW4-WIFI				
Antenna size	36MM*9.5MM				
Address	Room 704-8014, New Jinnong Building, Guangdong North Road, Dongzhou Community, Guangming District, Shenhen City				

2. Project leader contact information

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

3.testing environment

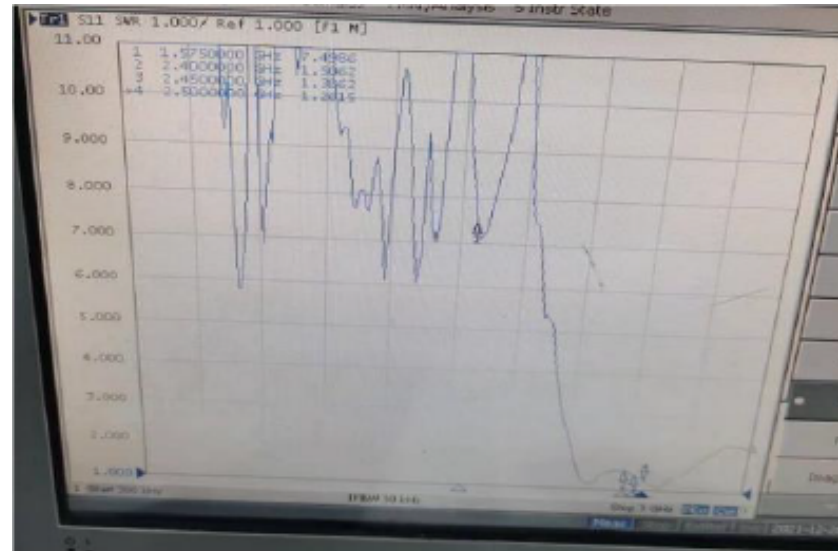
Comprehensive Tester	CMW500
Darkroom	ETS
Test Engineer	wei Yi
temperature	25°C
Humidity	65% (RH)



4. 1 Antenna Position Diagram



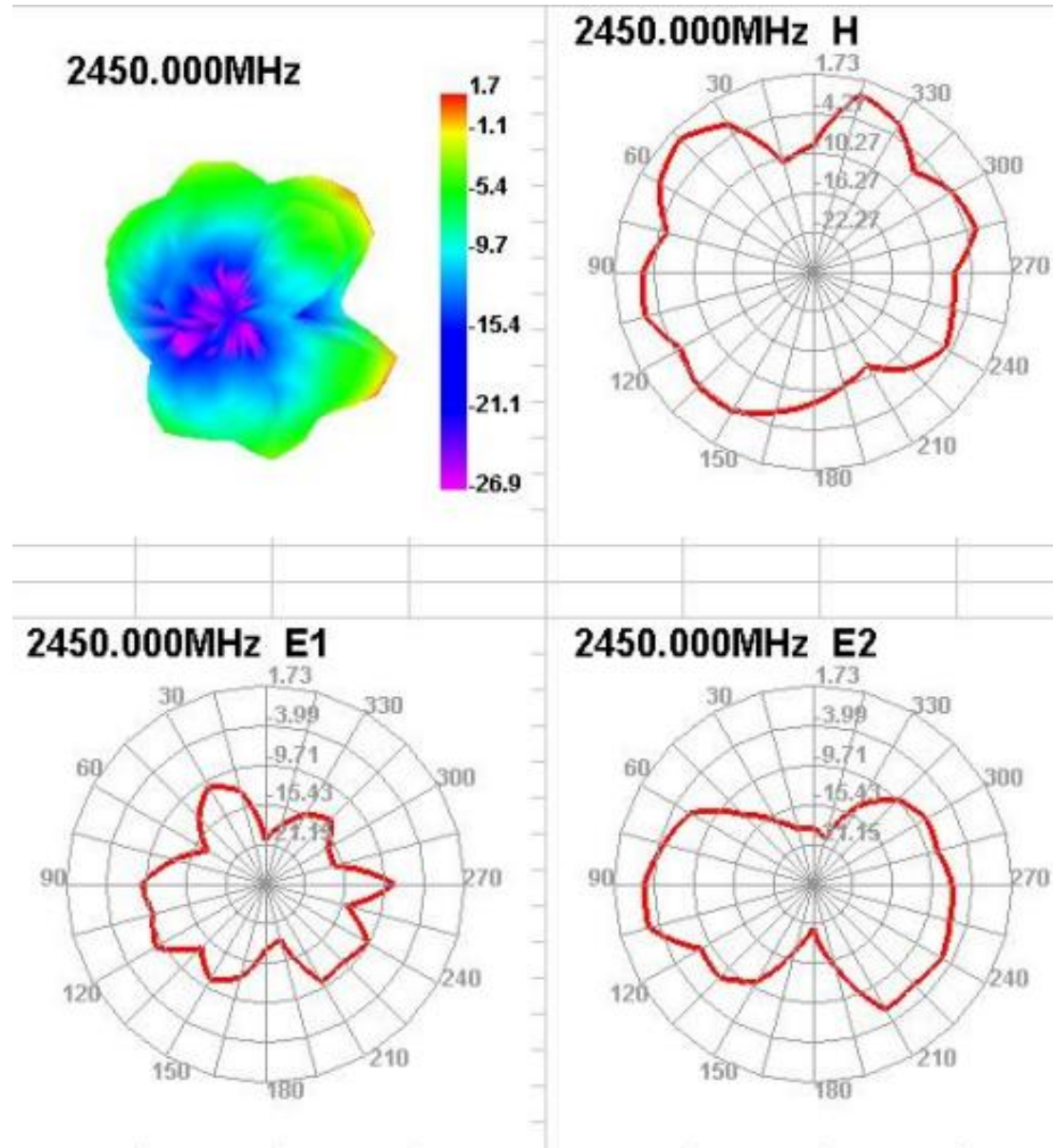
5.1 Antenna LOG and SWR



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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