



深圳市云顶通讯电子有限公司

Shenzhen Yunding Communication Electronics Co.,Ltd.

315, No.1 Sanwei South Road, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, China

机器人天线测试报告

SEANZHANG

2024-04-17

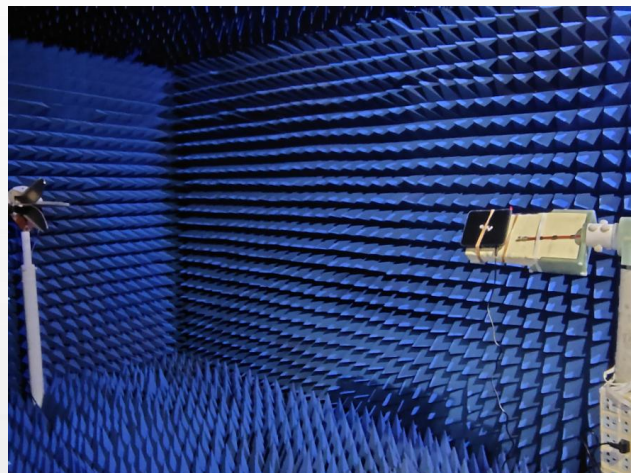


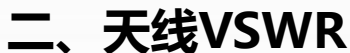


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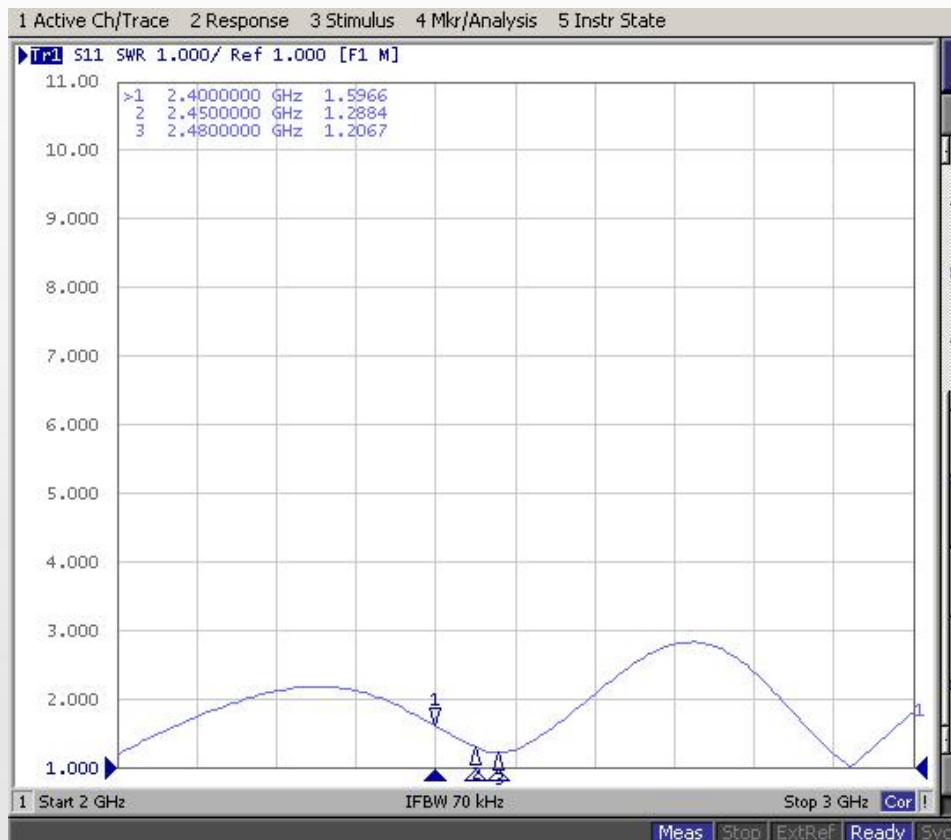
一、测试环境





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Frequency(MHZ)	2400	2450	2480
VSWR	1.59	1.28	1.20

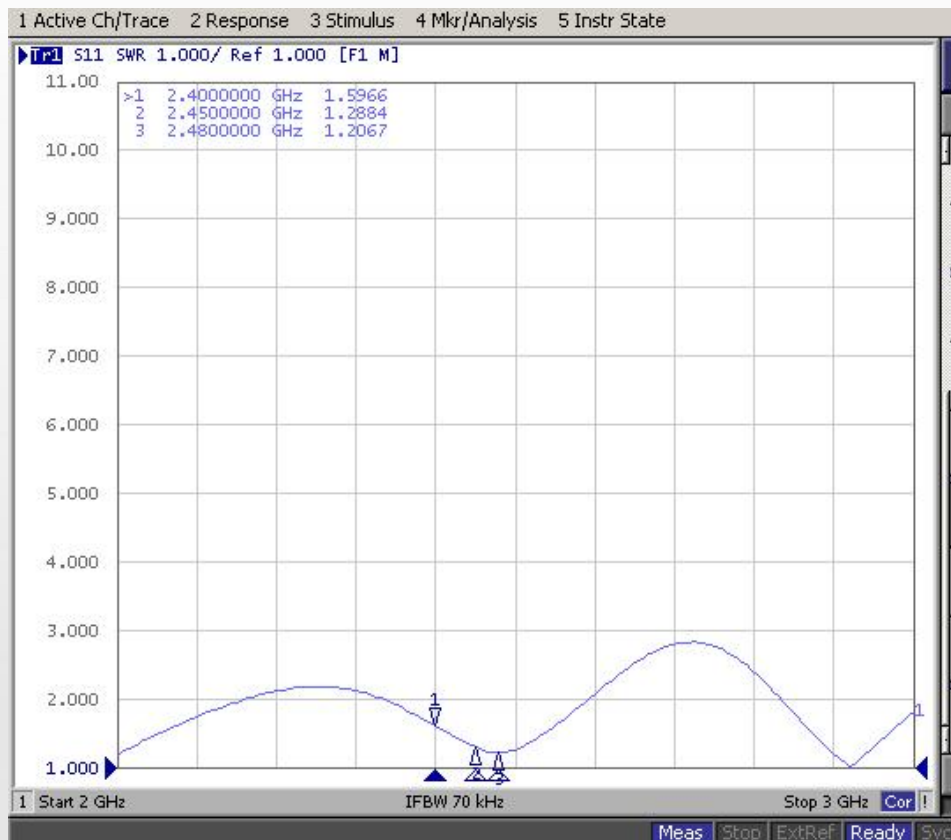




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二、天线VSWR



Frequency(MHZ)	2400	2450	2480
VSWR	1.59	1.28	1.20



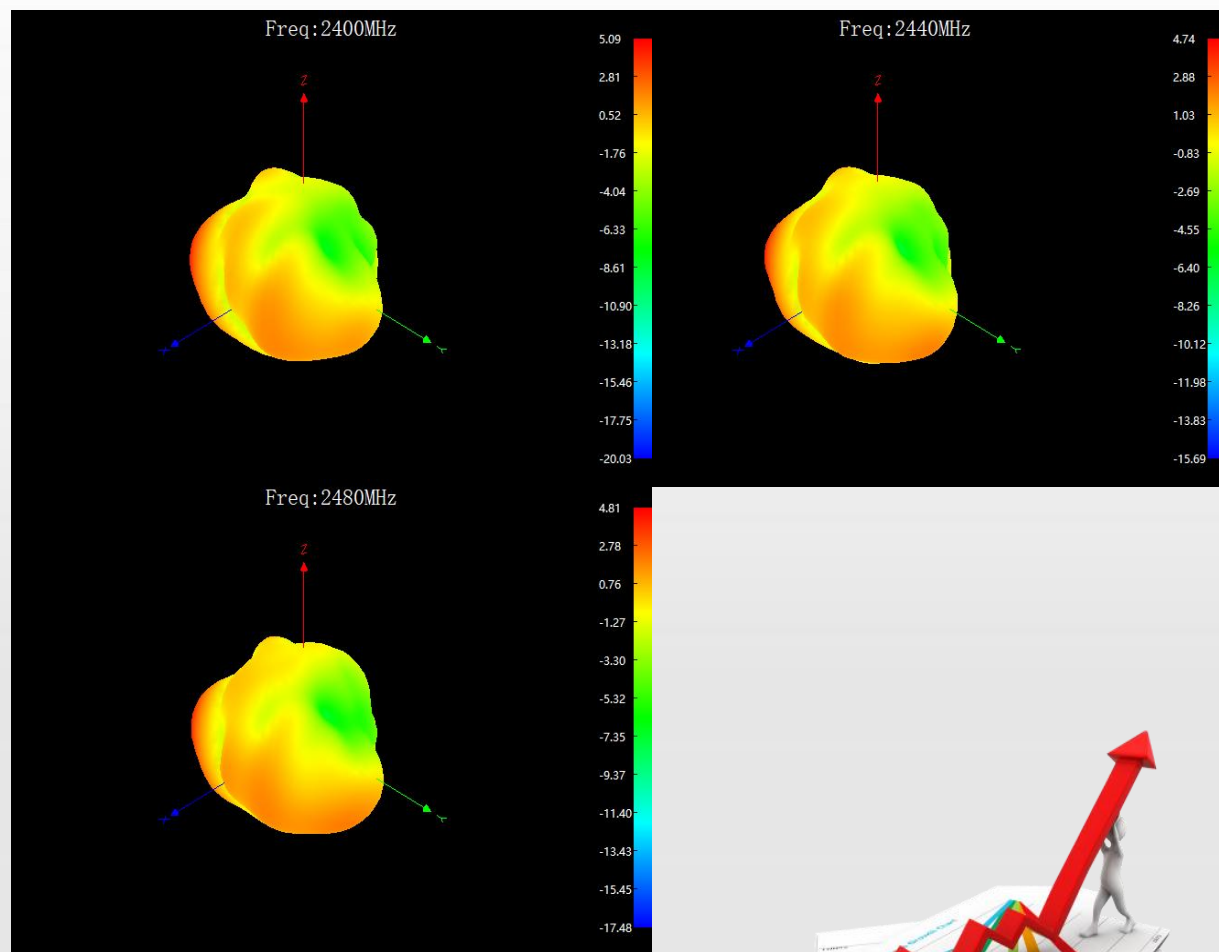


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三、天线效率and增益

Frequency/Mhz	MaxGain/dBi	Efficiency / %
2400	5.09	59.98
2410	5.16	59.16
2420	5.03	59.02
2430	5.08	60.26
2440	4.74	57.28
2450	4.71	56.1
2460	4.75	57.81
2470	4.84	58.21
2480	4.81	56.89
2490	5.11	57.68
2500	5.11	58.75





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四、天线OTA有源测试数据

Item	Measurement	Standard	Band	Channel	Frequency	Total
1	TRP	WIFI (AP)	WIFI_B (11M)	1	2412	15.07
2	TIS(EIRP)	WIFI (AP)	WIFI_B (11M)	1	2412	-85.28
3	TRP	WIFI (AP)	WIFI_B (11M)	6	2437	15.17
4	TIS(EIRP)	WIFI (AP)	WIFI_B (11M)	6	2437	-86.84
5	TRP	WIFI (AP)	WIFI_B (11M)	11	2462	14.69
6	TIS(EIRP)	WIFI (AP)	WIFI_B (11M)	11	2462	-87.15





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五、天线粘贴位置

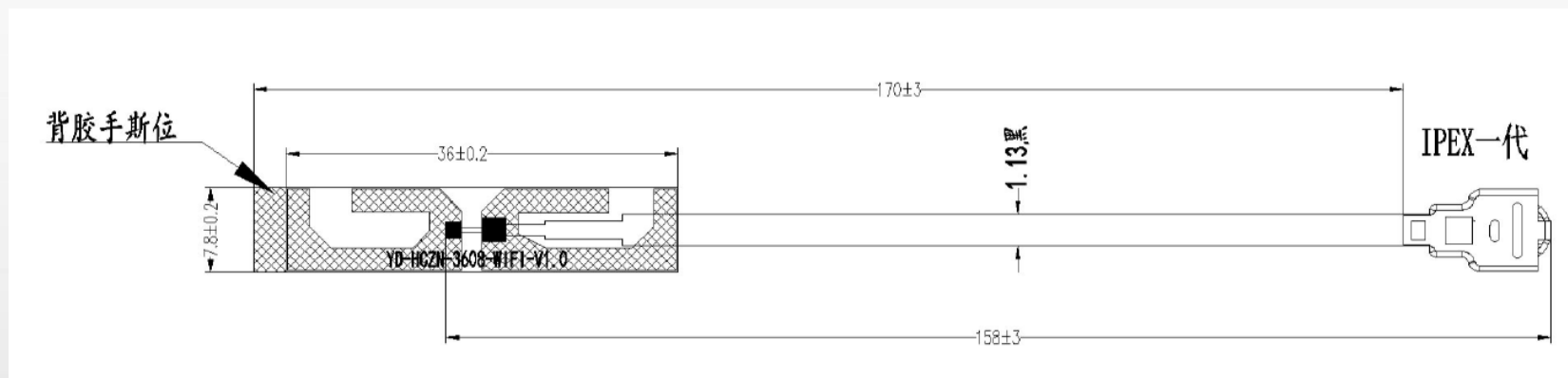




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六、天线尺寸





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结论

通过无源效率增益和有源OTA测试结果来看，整体效果比较理想。





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Thanks !

