



Shenzhen Deshiqin Technology Co., Ltd

天线测试报告

DOSKING Antenna Test Report

Shenzhen DESHIQIN Technology Co., Ltd.



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1. Project Overview :

Customer Name	澎湃	Entry Name	M90PRO
Machine type			
Frequency band information		Antenna type	Matching changes
Main antenna	WIFI2.4/5.8	PIFA	
Antenna material	FPC		

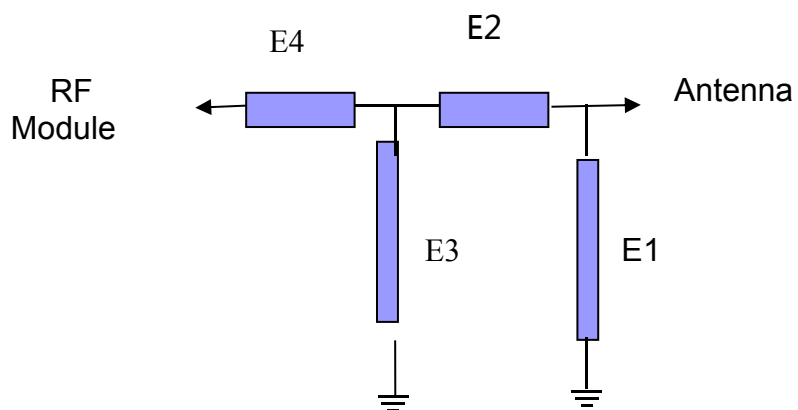


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2. Main testing equipment

1. ETS Chamber $5 \times 3 \times 3(m)$ (3D Laboratory) / $3 \times 3 \times 3(m)$ (3D Laboratory)/1800(3D Laboratory) , Network Analyzer
2. Network analyzer-8960/LTE CMW500/8820/CMW500/MT8000A Support 2G、3G、4G、5G Comprehensive testing instruments , Also supports 2.4/5.8WIFI6/NB。

3. Matching Circuit Main Antenna (Original match)

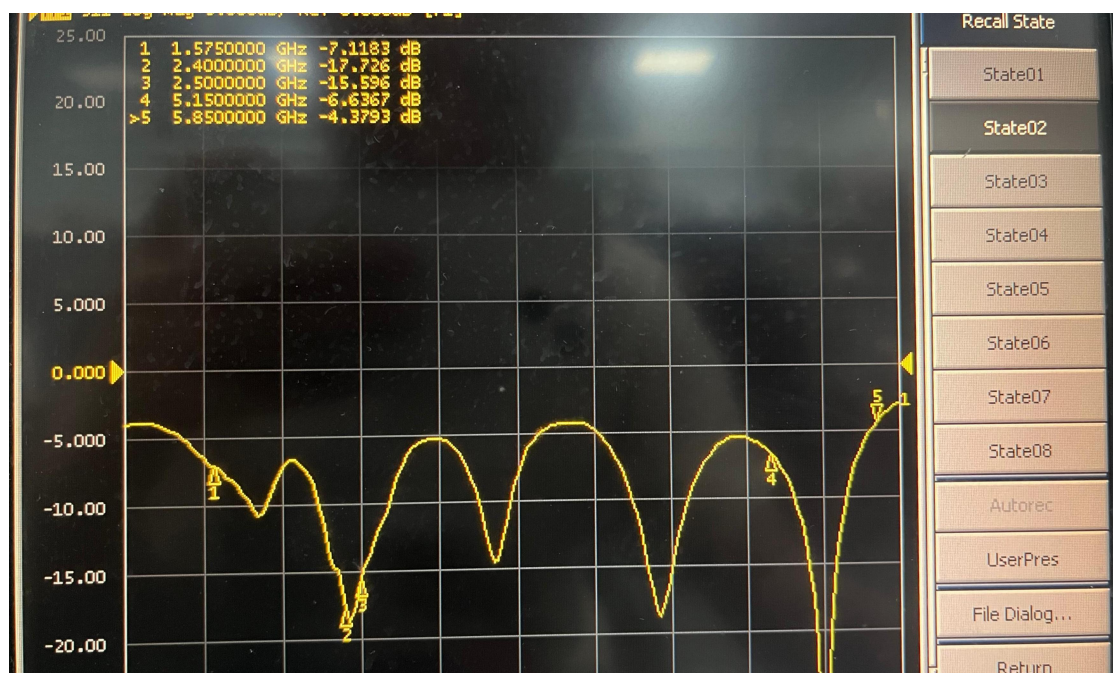


Element	Requirement matching value	
E1(0201)		
E2(0201)		
E3(0201)		
E4(0201)		



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4. .1Antenna OTAWIFI Passive Parameter :





5.Test data

Model : 2.4G/5.8G-WIFI			
2.4G	11B(11M)		
	CH1	CH6	CH11
TRP	12.13	12.59	12.03
TIS	-81.21	-81.52	-81.14

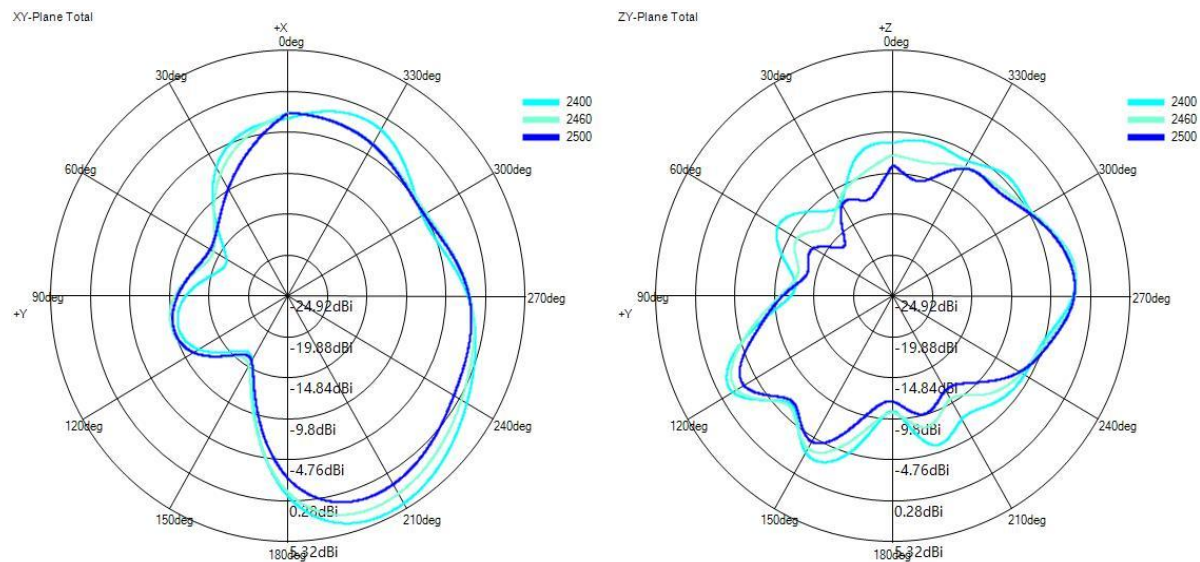
5.8G	11A(54M)		
	CH36	CH60	CH165
TRP	11.52	11.75	11.47
TIS	-71.59	-71.64	-71.73



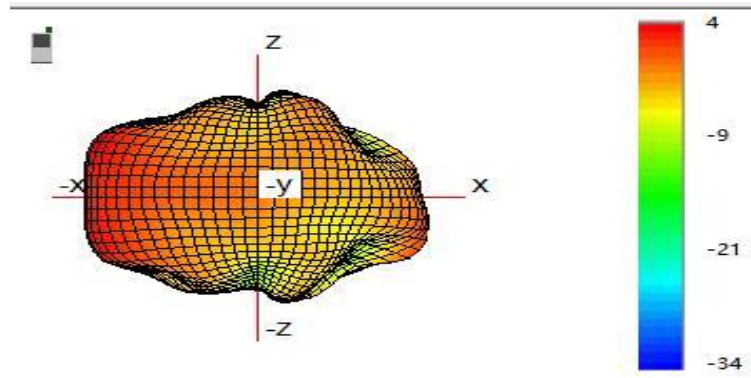
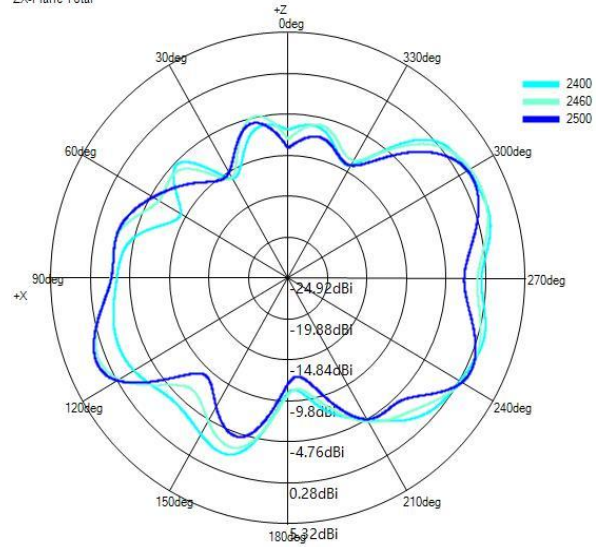
5.2 Antenna gain

Passive Test For 2400-2500			Passive Test For WIFI5.8		
Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
2400	34.08	-0.91	5150	47.31	1.6
2410	35.15	0.03	5200	45.6	1.8
2420	36.04	0.33	5250	46	1.99
2430	36.94	0.55	5300	40.95	1.3
2440	37.66	0.6	5350	45.99	1.94
2450	39.06	0.54	5400	46.96	1.98
2460	39.74	0.89	5450	47.57	2.1
2470	40.62	0.95	5500	41.2	1.36
2480	39.57	0.83	5550	47.46	2.1
2490	39.52	0.1	5600	51.56	2.2
2500	39.67	0.35	5650	51.65	2.23
			5700	53.65	2.32
			5750	52.1	2.18
			5800	55.03	2.42
			5850	55.92	2.53

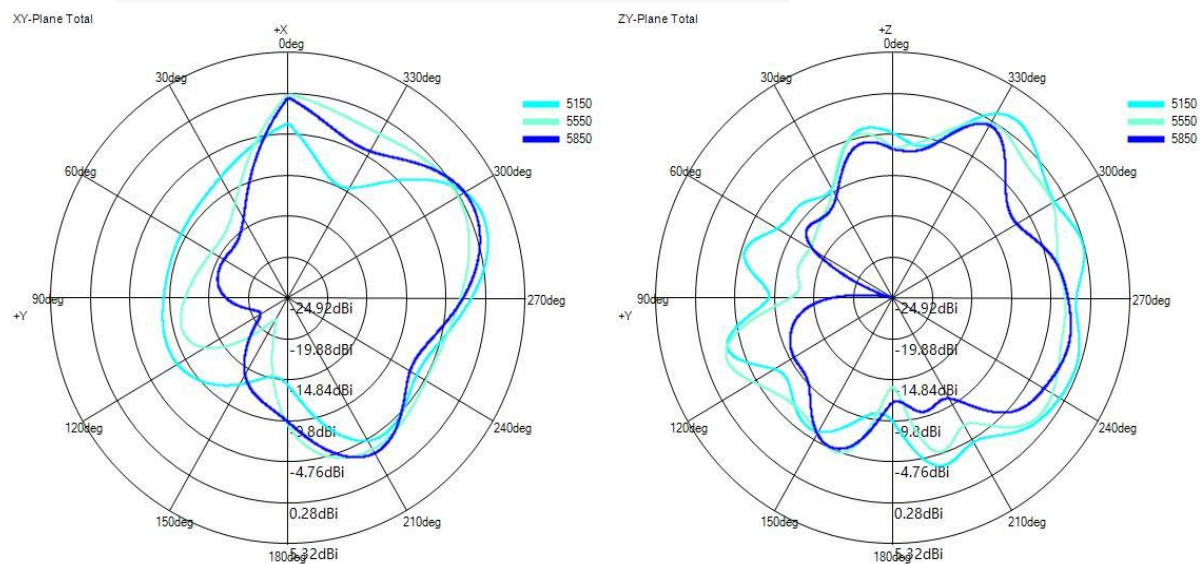
5.3 2.4G radiation pattern and 3D plot



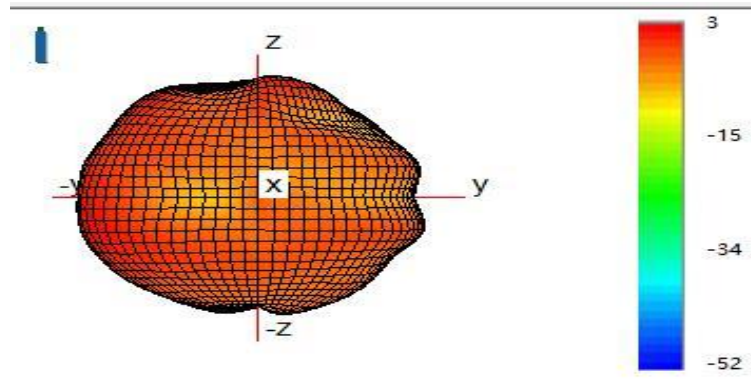
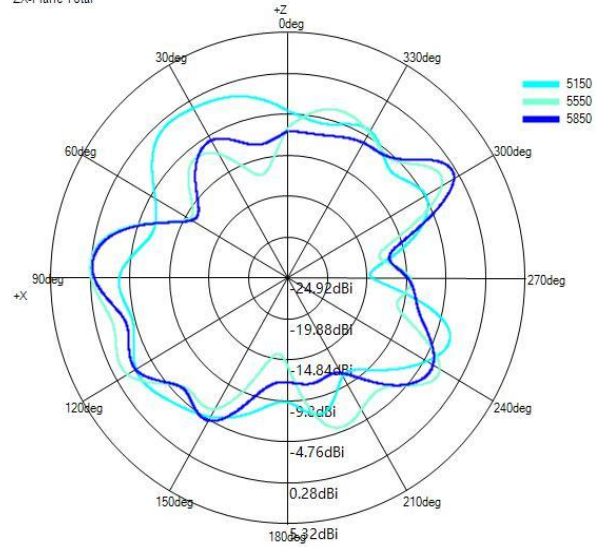
ZX-Plane Total



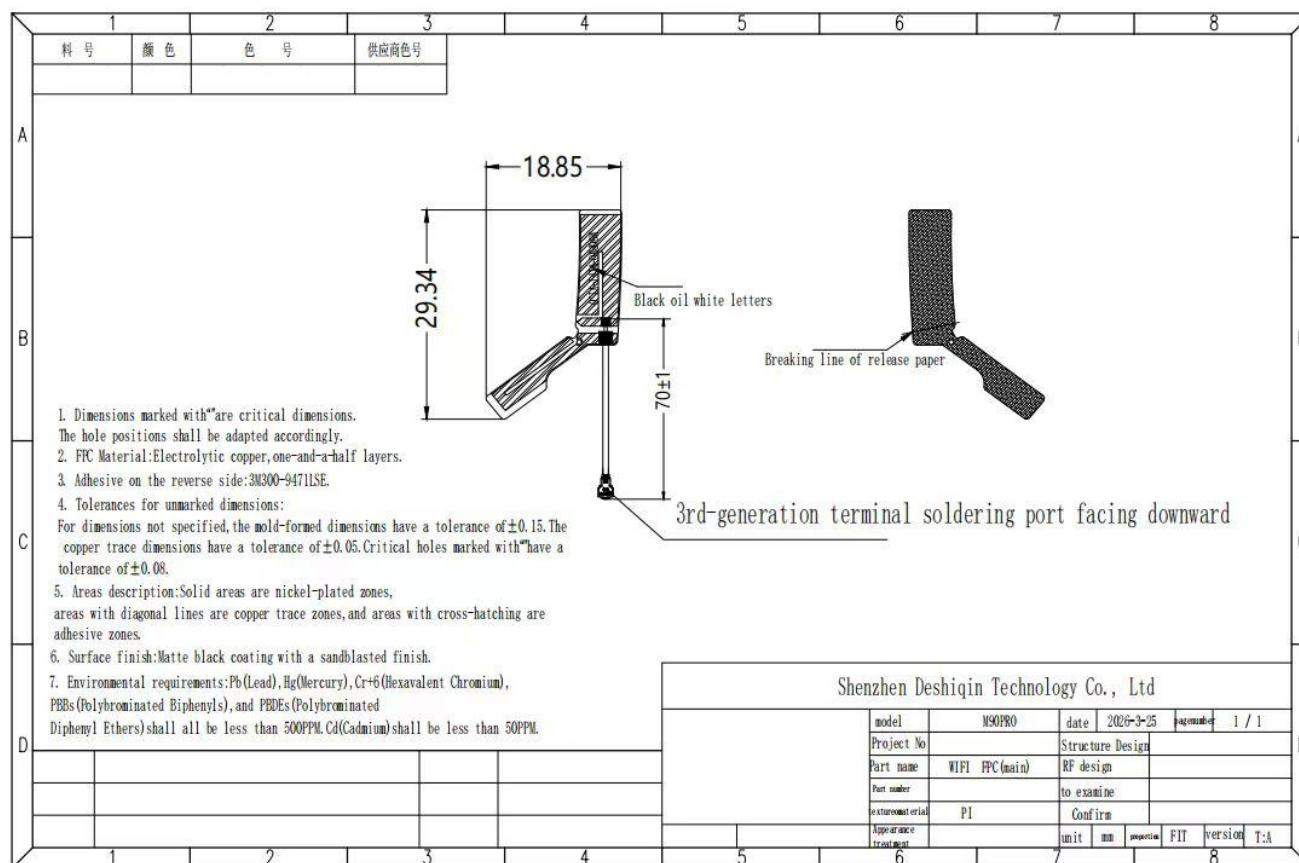
5.8G radiation pattern and 3D plot



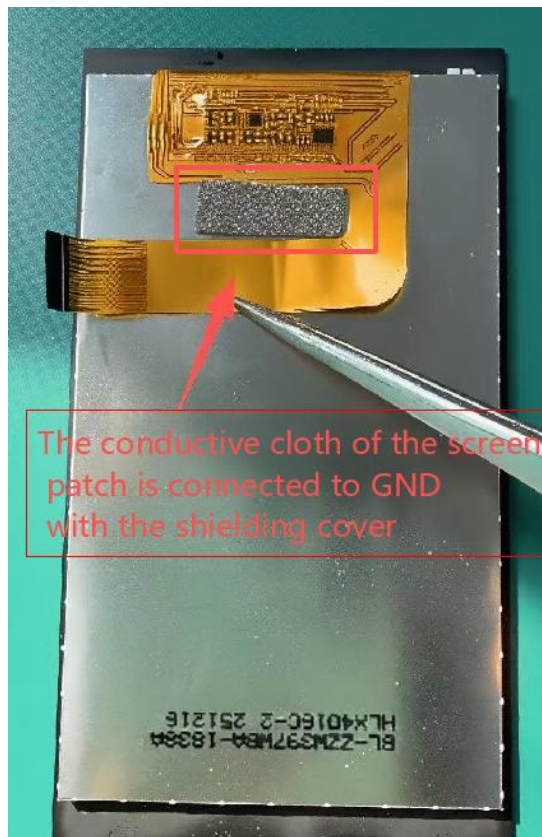
ZX-Plane Total



7. Structural drawings



8. Environmental treatment





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