



深圳市天威讯无线技术有限公司

shenzhenTian wei xun wireless technology co.,ltd.

Adress: Building A, Tower A1, Rizhen Science Park, Longhua District, Shenzhen City, Room 401A

Customer Name:

Project Model: Q30UW4-1025D

BAND: WIFI2.4G/5G

Design Engineer: liao xianming (13713883079)

Date: 2025-11-21



machine photo:



S11 DATA:



Gain and efficiency data:

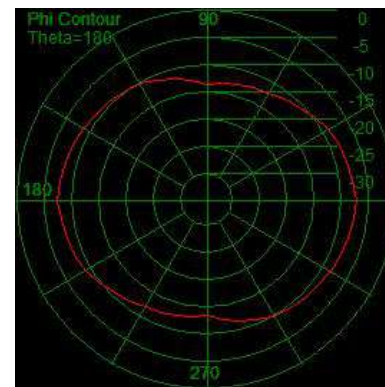
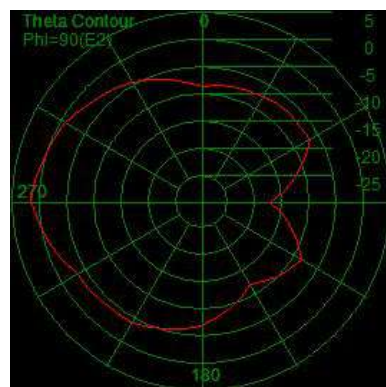
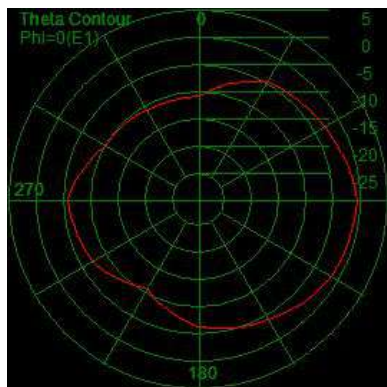
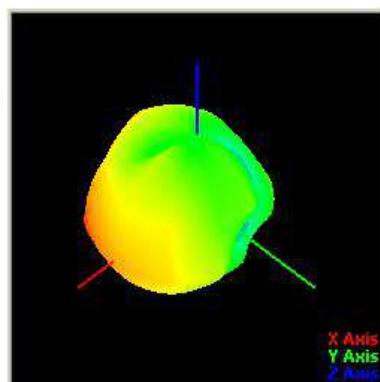


Freq. (MHz)	Gain (dBi)	Efficien cy (%)	Freq. (MHz)	Gain (dBi)	Efficien cy (%)	Freq. (MHz)	Gain (dBi)	Efficien cy (%)
2400	1.83	33.1	5100	4.61	41.7	5485	5.20	43.1
2410	2.12	33.3	5135	4.66	44.5	5520	4.08	36.2
2420	2.41	33.5	5170	4.57	46.9	5555	4.18	40.5
2430	2.32	31.3	5205	4.78	44.5	5590	4.79	46.2
2440	2.33	30.8	5240	4.17	38.6	5625	4.43	44.7
2450	2.34	30.4	5275	5.05	44.8	5660	3.62	41.5
2460	2.90	34.2	5310	4.13	40.7	5695	4.57	46.3
2470	2.96	33.9	5345	4.70	44.2	5730	4.21	38.8
2480	3.47	37.7	5380	5.16	48.3	5765	4.75	38.8
2490	3.63	38.8	5415	5.32	46.2	5900	5.19	36.2
2500	3.47	37.8	5450	4.45	40.2			

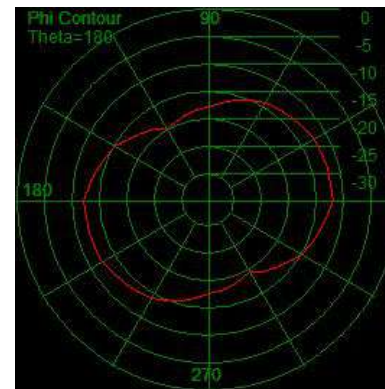
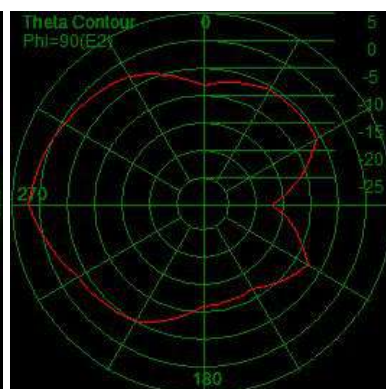
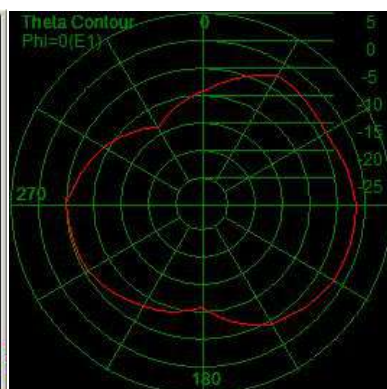
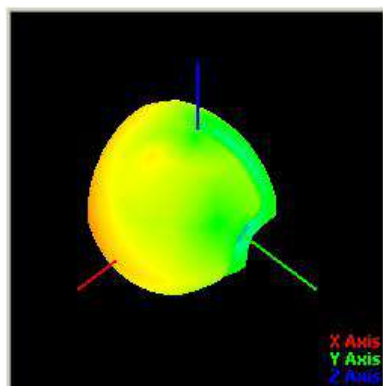


Miceoware chamber data(Pattern)

2400MHZ:



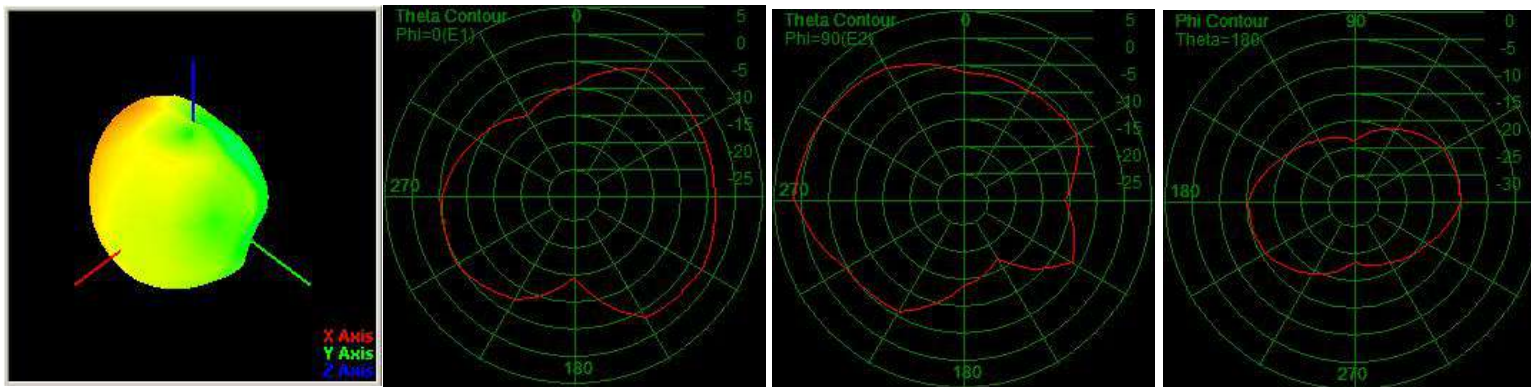
2450MHZ:



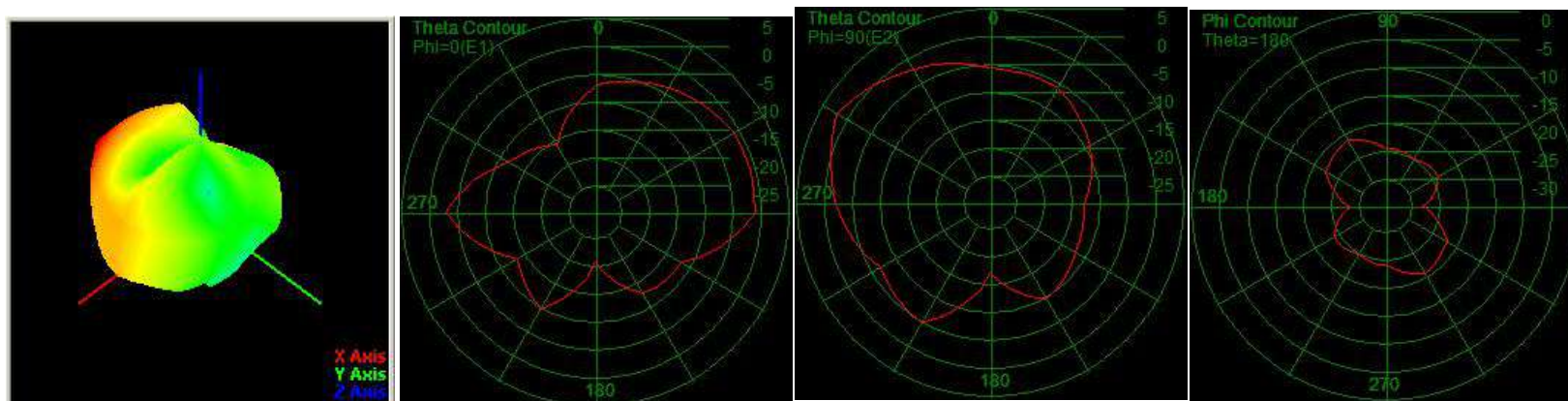
Miceoware chamber data(Pattern)



2500MHZ:



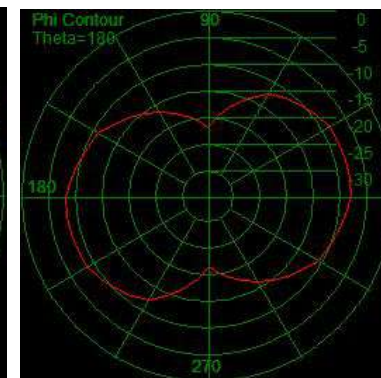
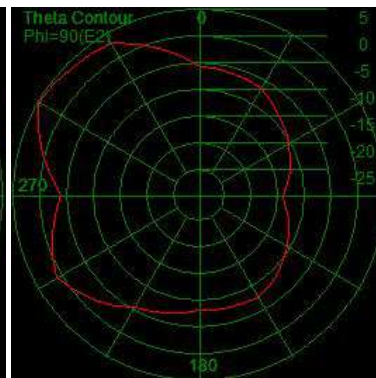
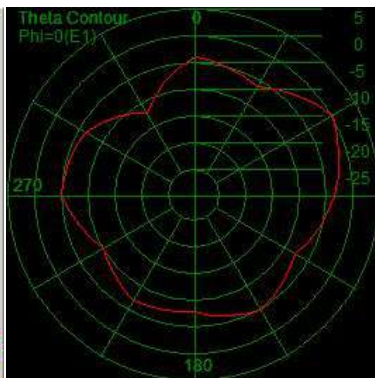
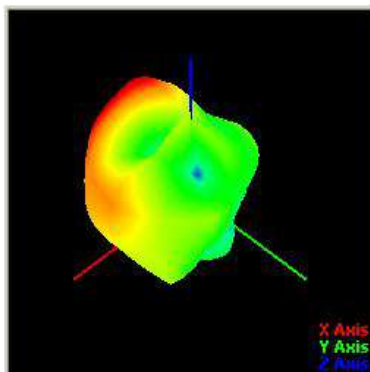
5100MHZ:



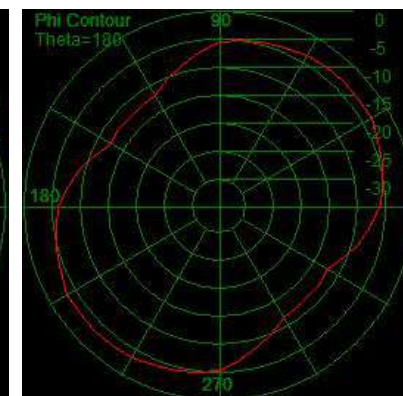
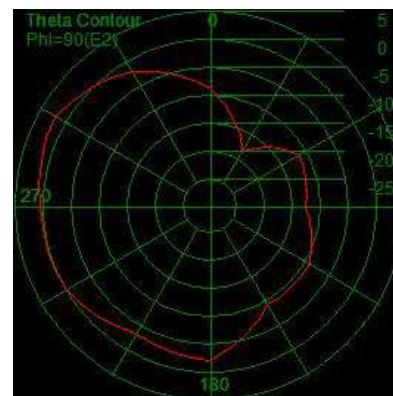
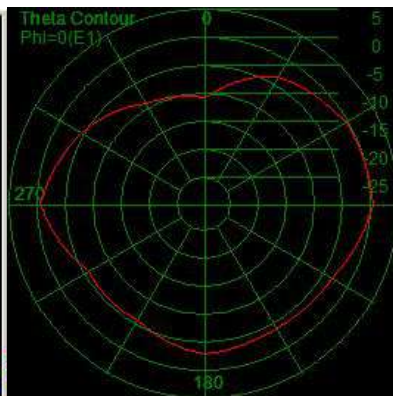
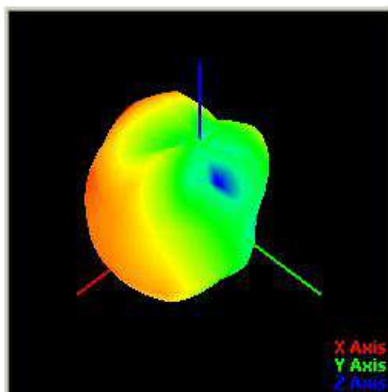
Miceoware chamber data(Pattern)



5310MHZ:



5825MHZ:



Antenna installation location:



OTA test data:

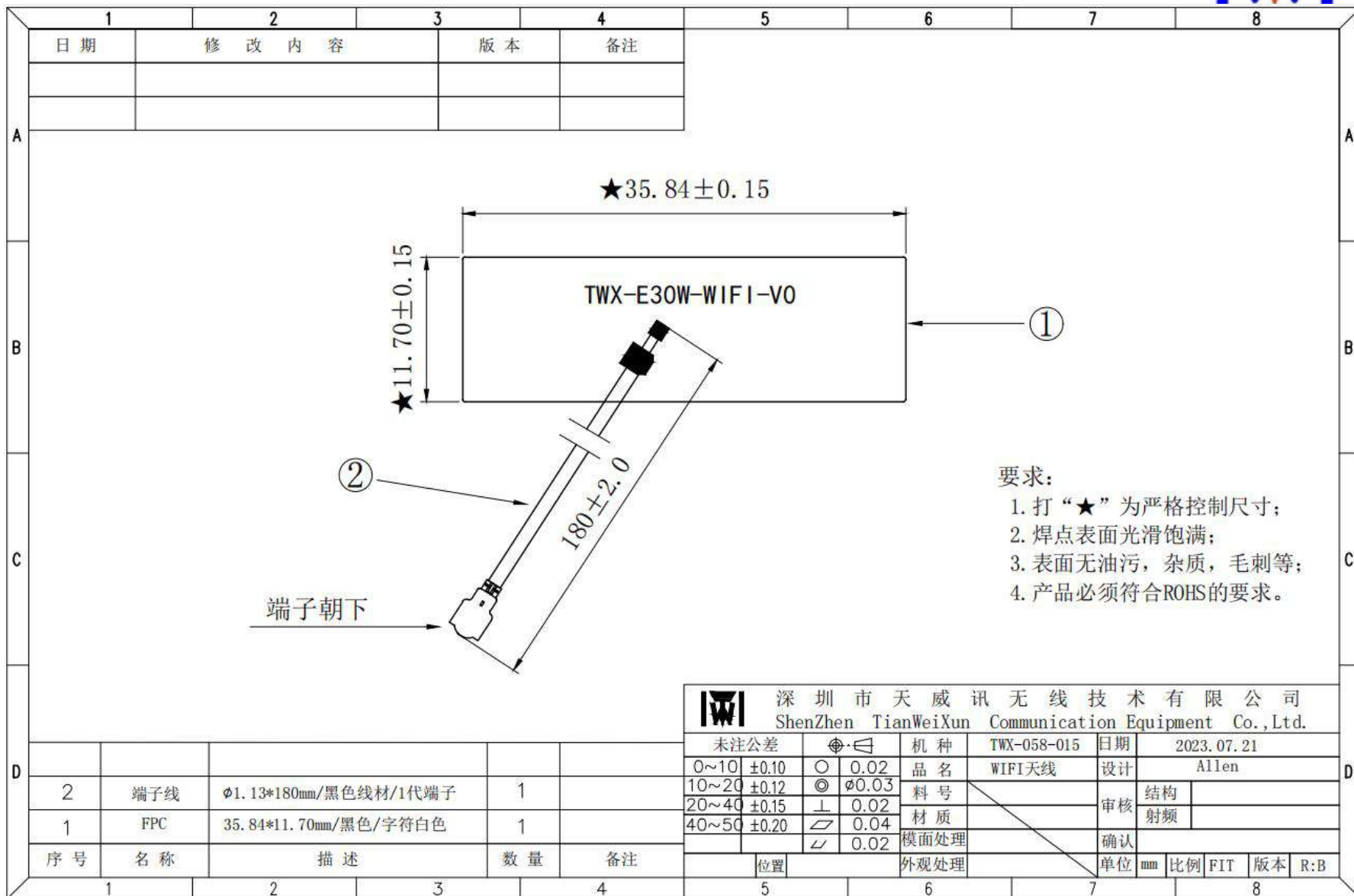


Antenna Performance				
		Channel No.	TRP (dBm)	TIS (dBm)
WiFi	2.4G	1	16.32	-83.11
		6	16.06	-84.00
		13	16.21	-83.90
	5G	36	9.55	-69.17
		64	8.41	-71.35
		149	8.65	-71.55
		157	7.96	-68.91
		165	7.28	-70.87



Antenna photo:





感谢您的耐心阅读!

