

Antenna Specifications

CUSTOMER:SHENZHEN AOTULE ELECTRONICS TECH CO.,LTD

SUPPLIER:SHENZHEN MHZ.TD CO.,LTD

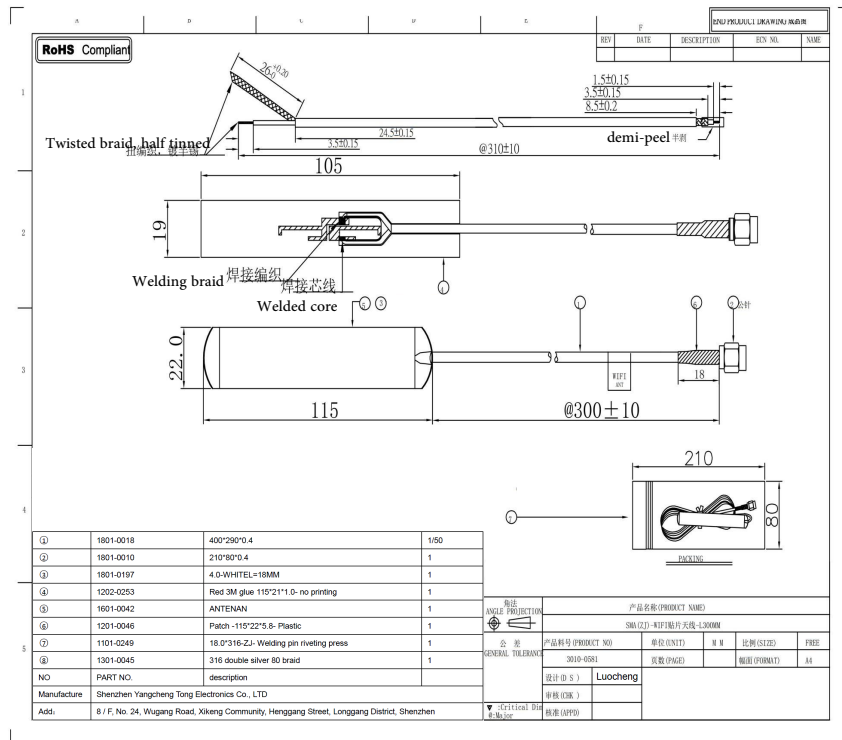
DESCRIPTION:WiFi patch antenna SMA

DATE:2022.08.25

1. Electrical Specification

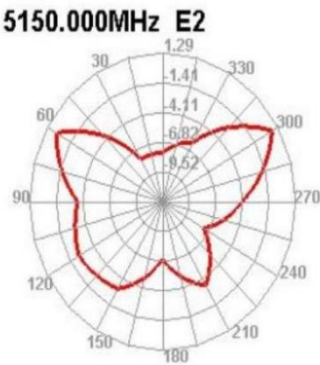
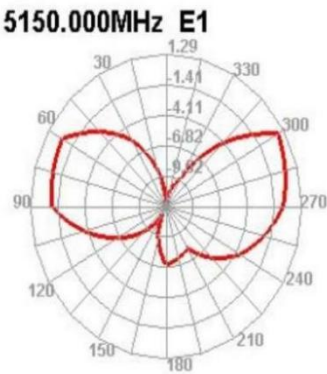
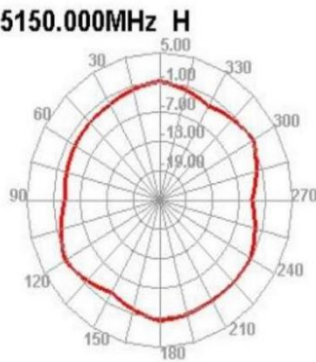
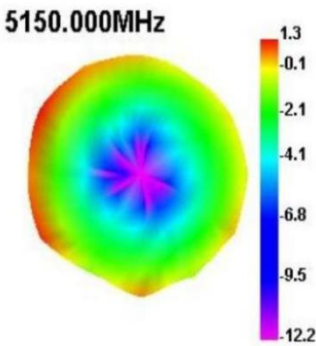
Specification	
Working Frequency	2.4GHz, 5GHz
Maximum Power	1W
Joint type	SMA
Line mode	Linear Vertical
Directivity	Omni-directional
Characteristic impedance	50 OHM
Radiating element	1/4 Wave Helical

2. Antenna shape

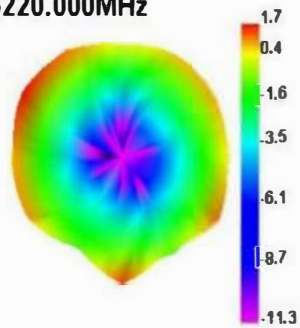


3：暗室测试报告Darkroom Test Report

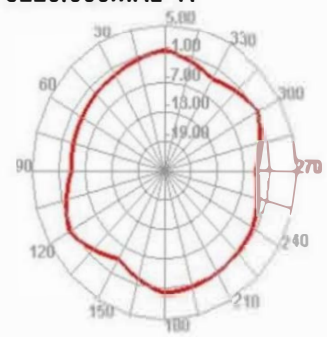
Passive Test For 5150-5250									
Freq (%)	Effi	Effi	Gain	UHS	(MHz)	(dB) Max(dBi)	Min (dB)	Attenut Hor	Attenut Ver
5150	57.5	-2.4	1.29	35.8	21.768	1.29	-12.22	59.04	58.22
5220	61.2	-2.13	1.67	37.7	23.494	1.67	-11.29	58.69	58.07



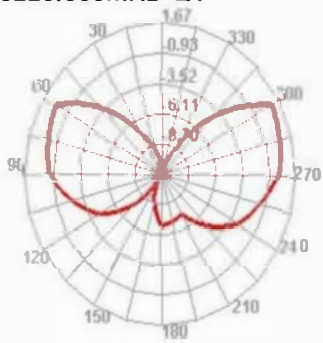
5220.000MHz



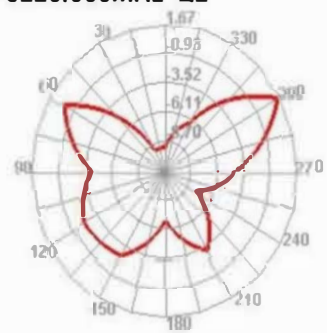
5220.000MHz H



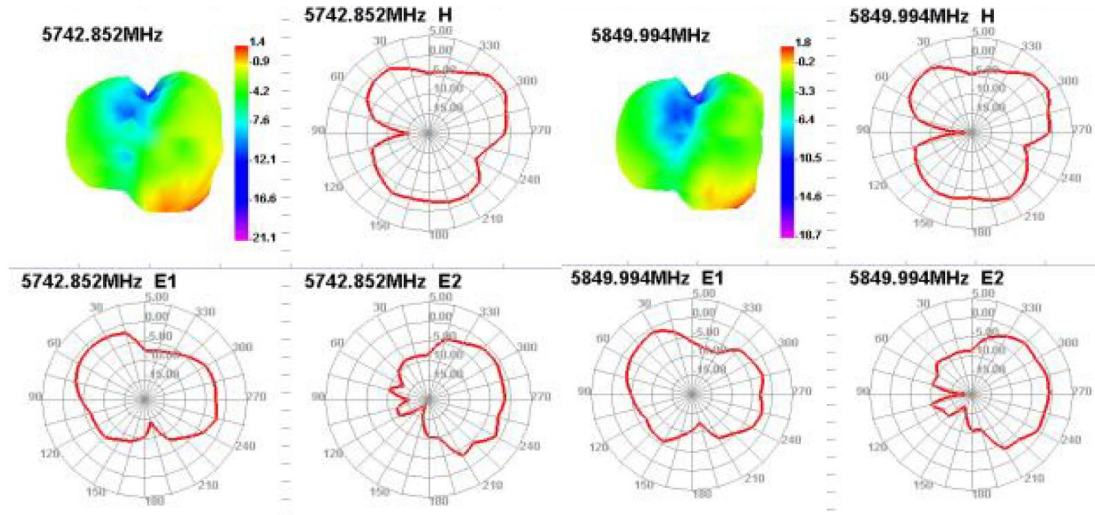
5220.000MHz E1



5220.000MHz E2

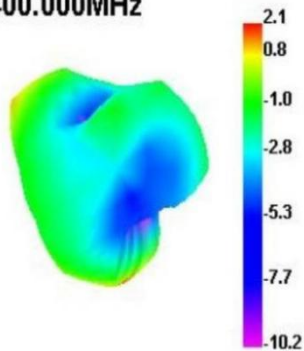


Passive Test For 5.8G										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)	AttH (dB)	AttV (dB)
5742.85	42.47	-3.72	1.36	-0.78	23.828	18.643	1.36	-21.09	64.06	63.48
5849.99	46.72	-3.3	1.82	-0.33	25.53	21.193	1.82	-18.71	64.26	64

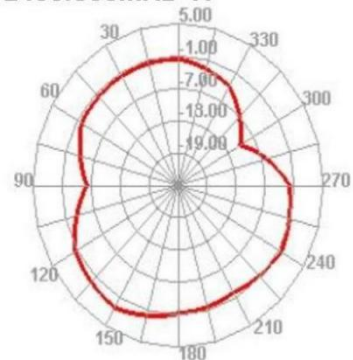


Passive Test For 2400-2500									
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	62.4	-2.05	2.06	26.7	35.695	2.06	-10.16	48.55	48.51
2410	62	-2.08	1.81	26.8	35.218	1.81	-9.81	48.59	48.53
2420	56.2	-2.5	1.17	24.5	31.7	1.17	-10.26	48.73	48.42
2430	53.4	-2.73	0.73	23.7	29.639	0.73	-10.6	48.44	48.12
2440	60.9	-2.16	1.05	27.6	33.234	1.05	-9.96	48.55	48.21
2450	64.7	-1.89	1.02	30	34.742	1.02	-9.68	48.76	48.47
2460	60.5	-2.19	0.47	28.6	31.893	0.47	-10.02	49.04	48.68
2470	57.3	-2.42	0.19	27.4	29.903	0.19	-10.08	48.91	48.68
2480	63.6	-1.97	0.57	30.8	32.767	0.57	-9.97	48.86	48.43
2490	73.2	-1.35	1.21	36	37.26	1.21	-9.61	49.07	48.72
2500	69.7	-1.57	1.06	34.7	35.013	1.06	-10.33	49.21	48.76

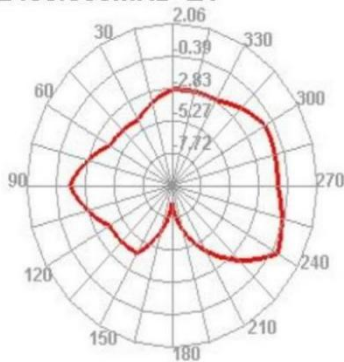
2400.000MHz



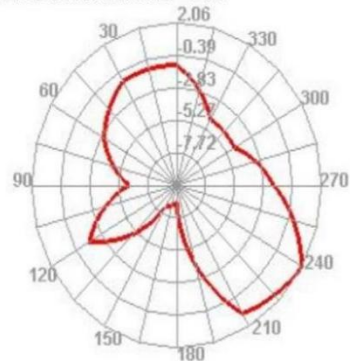
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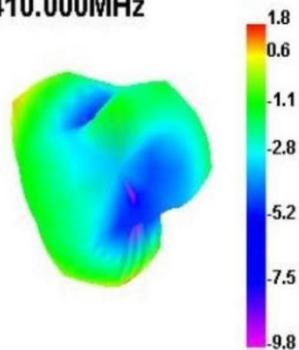
2400.000MHz E1



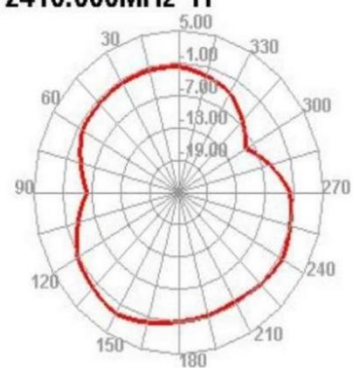
2400.000MHz E2



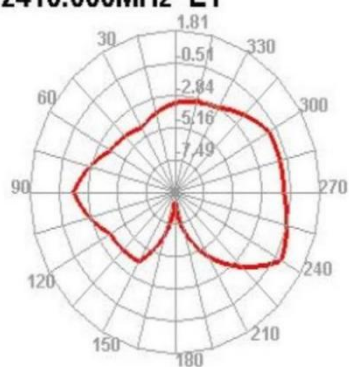
2410.000MHz



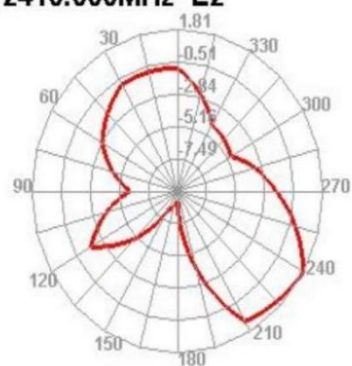
2410.000MHz H



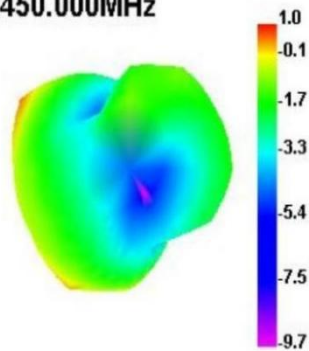
2410.000MHz E1



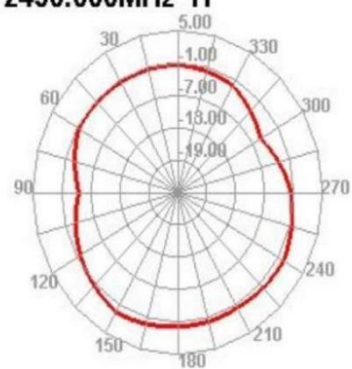
2410.000MHz E2



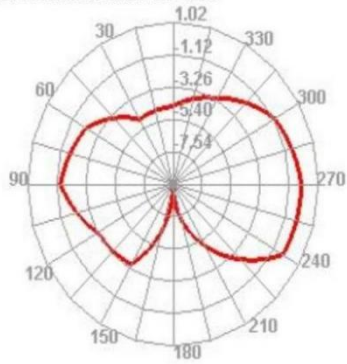
2450.000MHz



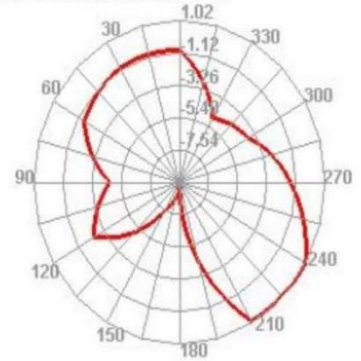
2450.000MHz H



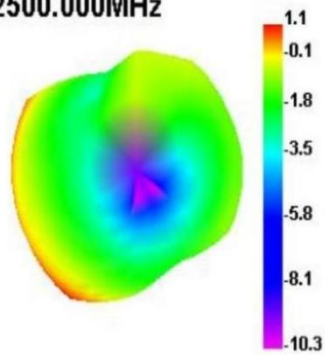
2450.000MHz E1



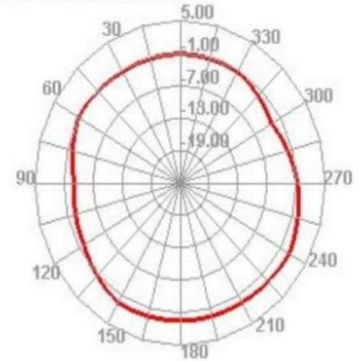
2450.000MHz E2



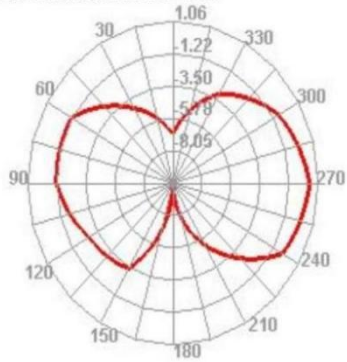
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

