

Antenna Specifications

CUSTOMER:SHENZHEN AOTULE ELECTRONICS TECH CO.,LTD

SUPPLIER:SHENZHEN MHZ.TD CO.,LTD

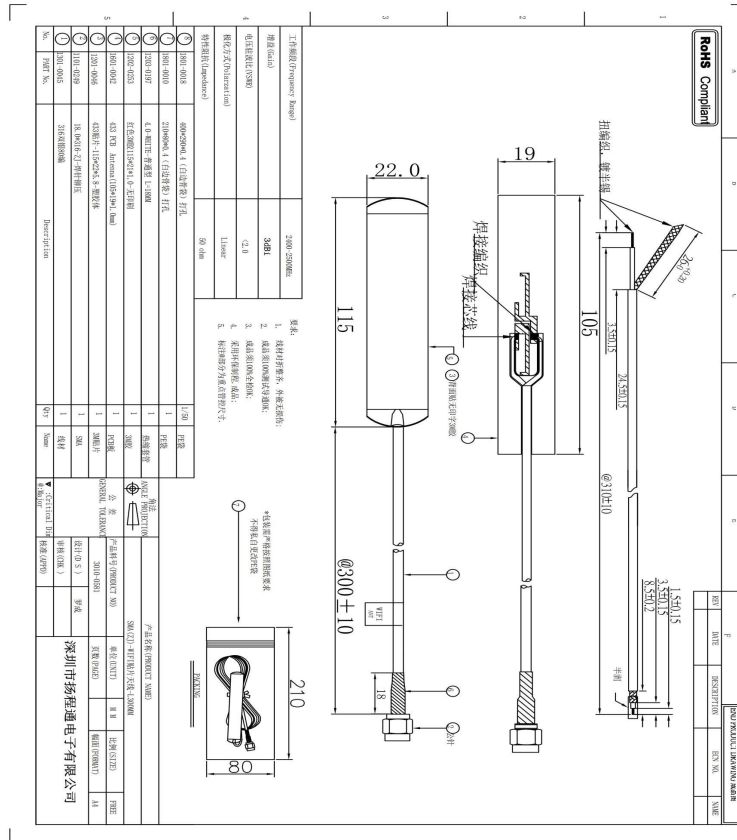
DESCRIPTION:WiFi patch antenna SMA

DATE:2022.08.25

1. Electrical Specification

Specification	
Working Frequency	2400-2500MHz, 5725-5850MHz
Maximum Power	1W
Joint type	SMA
Line mode	Linear Vertical
Directivity	Omni-directional
Characteristic impedance	50 OHM
Radiating element	1/4 Ware Helical

2. Antenna shape



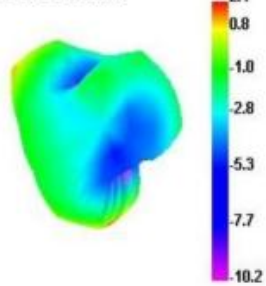
3. Measurement Results

Passive Test For 2400-2500									
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	UHS (%)	DHS (%)	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	35.695	1.81	-9.81	48.59	48.53
2420	56.2	-2.50	1.17	24.5	31.700	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
2450	69.7	-1.57	1.06	34.7	35.013	1.06	-10.33	49.21	48.76
Passive Test For 5725-5850									
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
5725	62.5	-1.99	-0.73	26.82	35.796	-0.73	-10.13	48.59	48.61
5735	62.1	-2.01	-2.21	26.86	35.754	-2.21	-9.62	48.71	48.67
5745	56.3	-2.46	-2.32	24.64	31.853	-2.32	-10.21	48.92	48.61
5755	53.6	-2.59	-0.89	23.82	29.641	-0.89	-10.53	48.44	48.21
5765	61.1	-2.08	-1.75	27.71	33.313	-1.75	-9.94	48.67	48.38
5775	64.8	-1.88	-1.16	30.12	34.931	-1.16	-9.58	48.95	48.55
5785	60.6	-2.00	-3.09	28.71	32.033	-3.09	-10.00	49.04	48.85
5795	57.3	-2.37	-1.67	27.45	30.063	-1.67	-9.96	49.08	48.76
5805	63.8	-1.92	-1.28	30.85	32.870	-1.28	-9.92	49.04	48.50
5815	73.3	-1.35	-2.34	36.02	37.383	-2.34	-9.58	49.07	48.80
5825	69.8	-1.38	-2.09	34.73	35.127	-2.09	-10.32	49.39	48.81
5835	64.2	-1.30	-2.15	34.12	35.128	-2.15	-8.36	48.67	48.75
5845	68.7	-1.40	-2.21	35.31	36.189	-2.21	-9.15	48.21	48.62
5850	64.1	-1.25	-2.88	36.78	32.021	-2.88	-10.23	49.02	48.11

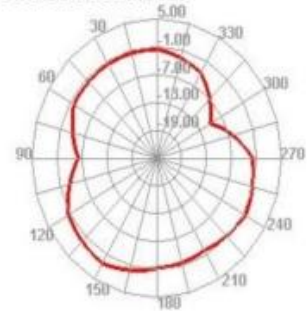
4. Direction map

2400-2500MHz

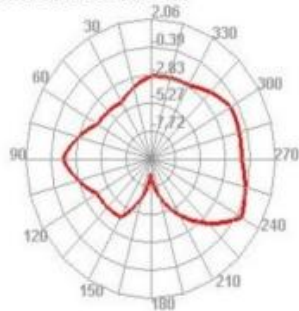
2400.000MHz



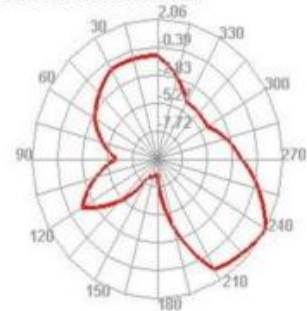
2400.000MHz H



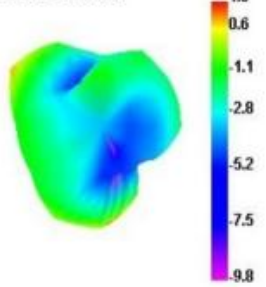
2400.000MHz E1



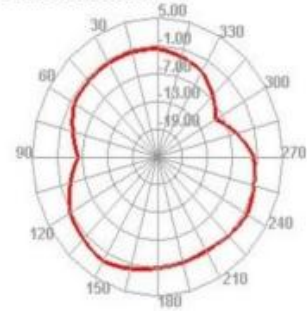
2400.000MHz E2



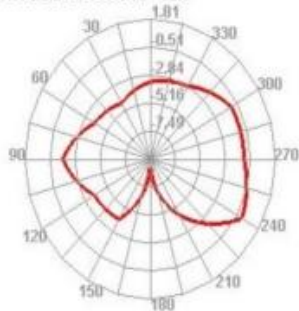
2410.000MHz



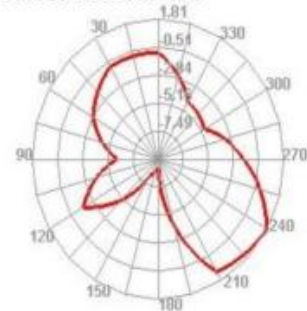
2410.000MHz H



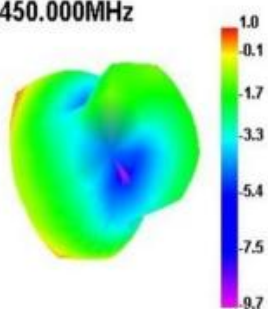
2410.000MHz E1



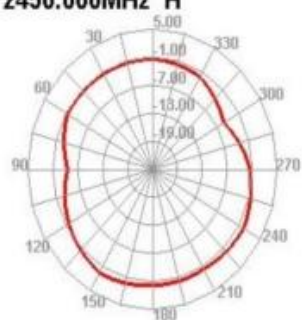
2410.000MHz E2



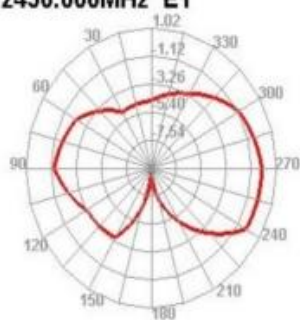
2450.000MHz



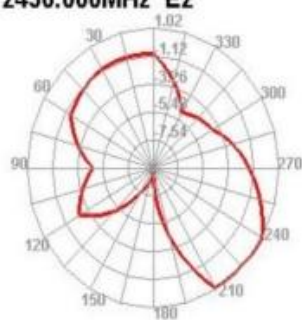
2450.000MHz H



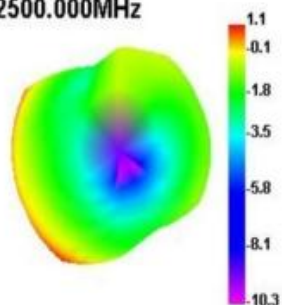
2450.000MHz E1



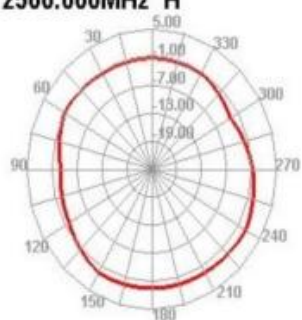
2450.000MHz E2



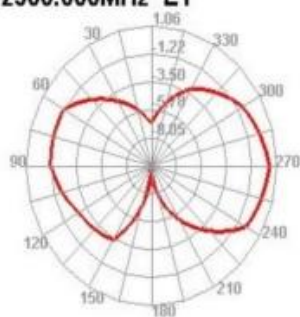
2500.000MHz



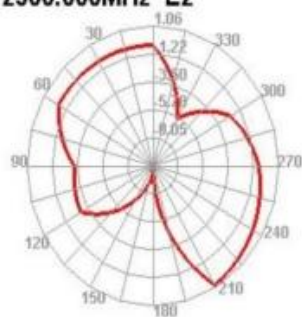
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



5725-5850MHz

