

1. Antenna Description:

Antenna type	PIFA antenna
Model	AMICUS-Prime-Wifi
Frequency range	2400-2500MHz, 5000-6000MHz
Manufacturer	Shenzhen Huayuanlai Technology Co., Ltd.

2. Antenna Photo:

WIFI Antenna specification

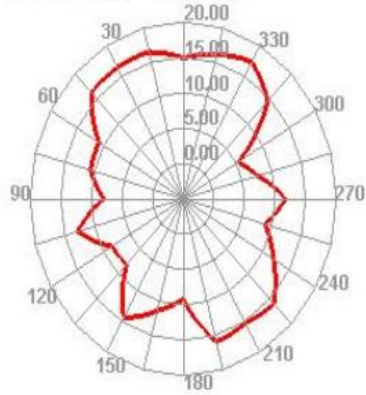
Antenna structure and size



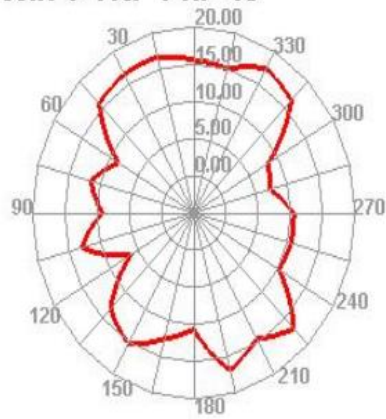
2D antenna gain direction diagram:

2.4GWiFi

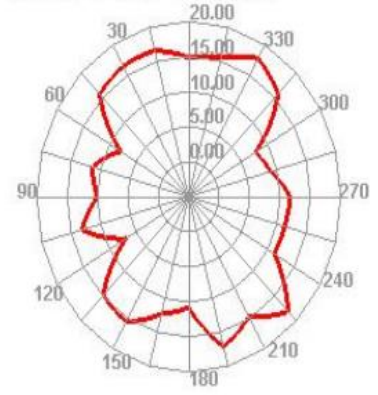
Wifi 1 TRP Phi=45



Wifi 6 TRP Phi=45

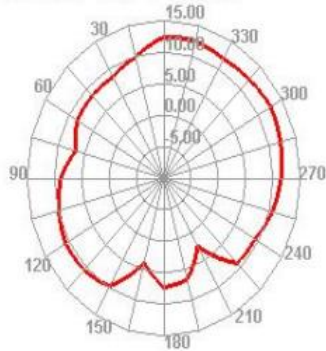


Wifi 11 TRP Phi=45

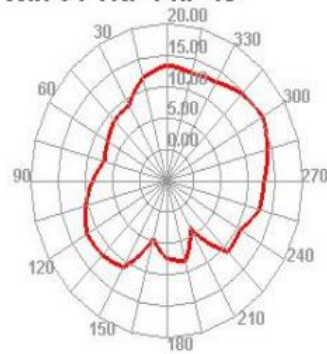


5.8GWiFi

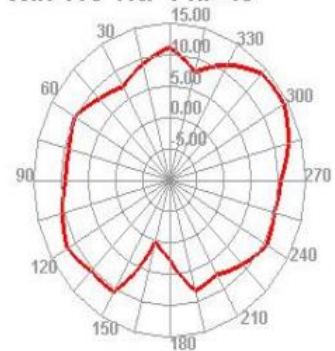
Wifi 36 TRP Phi=45



Wifi 64 TRP Phi=45



Wifi 165 TRP Phi=45



2. 4WIFI

Passive Test For GPS									
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Directivity (dBi)
2400	48.6	-3.6	2.16	-1.01	19.714	23.889	1.14	-11.83	4.74
2410	47.91	-3.92	2.05	-1.62	19.405	21.124	0.53	-11.51	4.45
2420	47.17	-3.26	2.09	-0.71	23.473	23.692	1.44	-10.74	4.7
2430	52.68	-2.78	2.61	-0.17	26.493	26.187	1.98	-11.14	4.77
2440	50.92	-2.93	2.86	-0.37	25.909	25.011	1.78	-11.57	4.71
2450	48.84	-3.11	2.12	-0.35	25.327	23.514	1.8	-10.82	4.91
2460	48.16	-3.17	2.11	-0.73	24.908	23.254	1.42	-9.78	4.6
2470	49.02	-3.1	2.23	-0.77	24.547	24.471	1.38	-11.09	4.48
2480	48.69	-3.64	2.1	-1.3	21.637	21.646	0.85	-11.93	4.49
2490	49.37	-4.08	2.14	-1.92	20.176	18.951	0.23	-14.33	4.3
2500	49.15	-4.44	2.13	-2.1	19.166	16.778	0.05	-16.83	4.49

5. 8GWIFI

Passive Test For 5Gwifi									
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Directivity (dBi)
5000	54.36	-2.65	2.21	-0.51	19.743	27.682	2.16	-16.93	4.88
5100	56	-2.52	2.29	0.14	22.171	33.825	2.29	-17.26	4.81
5200	56.83	-2.45	2.53	-1.43	15.629	23.926	2.03	-17.95	4.74
5300	58.79	-2.31	2.77	0.62	23.525	35.263	2.77	-17.36	5.08
5400	58.36	-2.34	2.31	-0.44	20.172	29.301	2.18	-13.71	4.76
5500	59.42	-2.26	2.11	0.96	26.793	36.389	3.11	-13.97	5.11
5600	56.47	-2.48	2.22	0.07	23.826	32.645	2.22	-13.35	4.7
5700	58.37	-2.34	2	0.85	25.805	36.472	3	-17.08	5.06
5800	56.81	-2.46	2.6	-0.86	17.084	22.597	1.29	-17.11	5.31
5900	56.15	-2.51	2.14	-0.87	17.511	20.947	1.28	-15.87	5.43
6000	55.23	-2.58	2.03	-0.01	21.832	25.581	2.14	-16.61	5.38