

Inverted F Antenna Specification

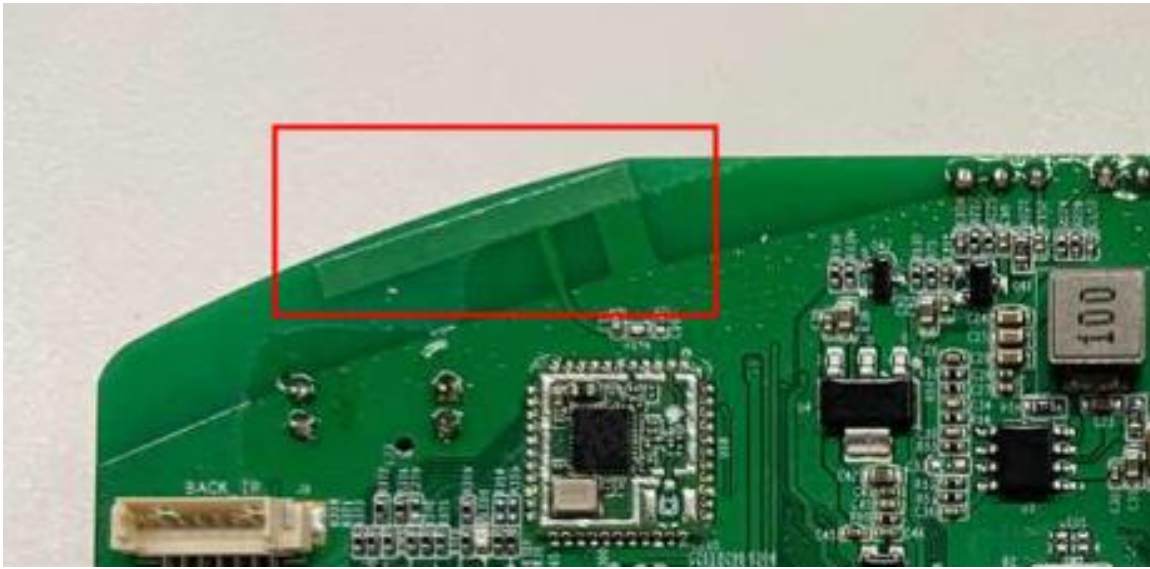
PCB Antenna

Antenna model:HL2_Inverted F Antenna

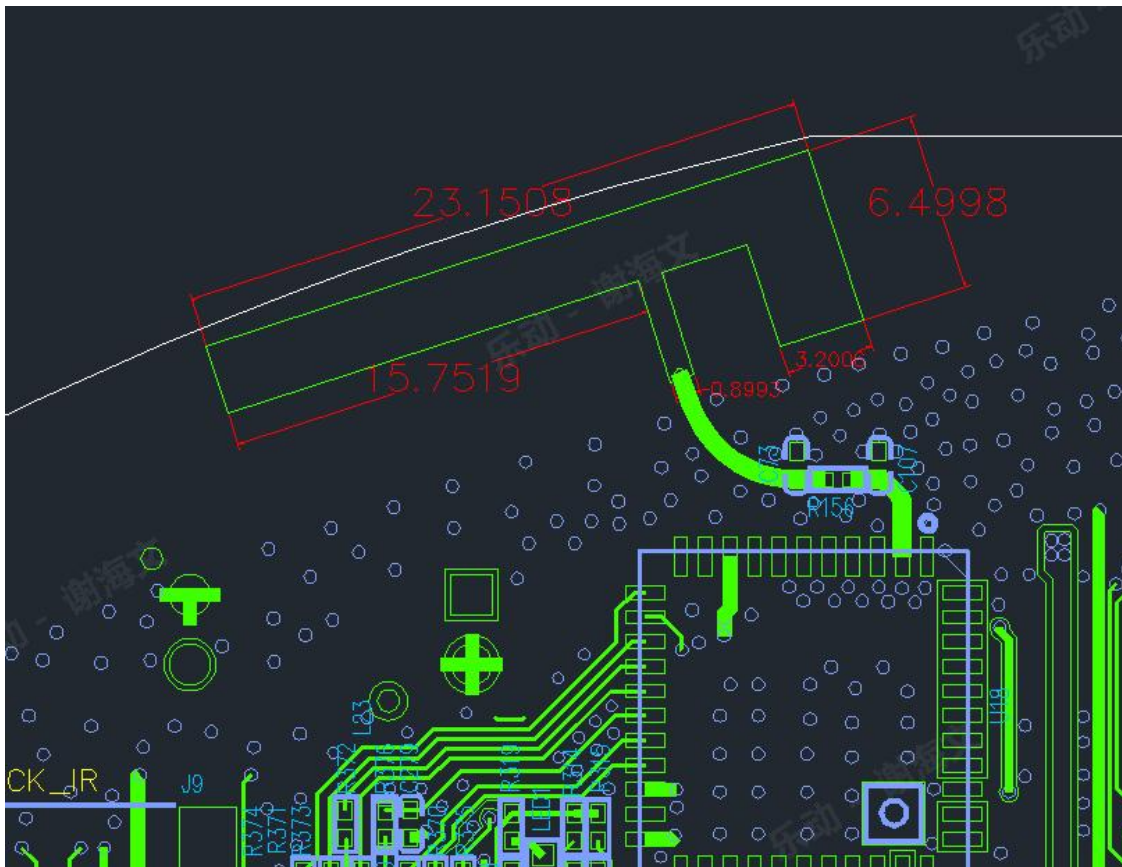
Manufacture:SHENZHEN LDROBOT CO.,LTD

Address: 16/F, Block A, Building 6, International innovation Valley, Nanshan District, Shenzhen, PRC

1. Antenna diagram



2. Antenna Size(mm)



3. Antenna Electrical Performance

1) Operating frequency segment

Frequency Range	Frequency (MHz)	VSWR
WIFI	2400 ~ 2500	≤ 2

2) Passive efficiency & Gain

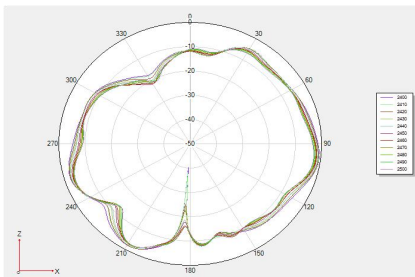
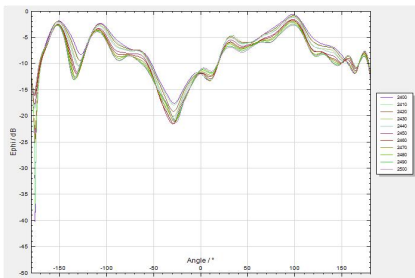
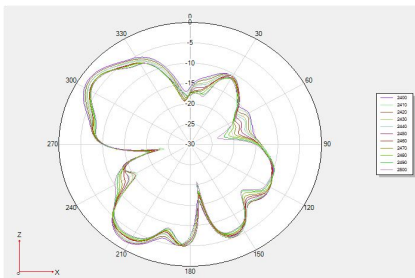
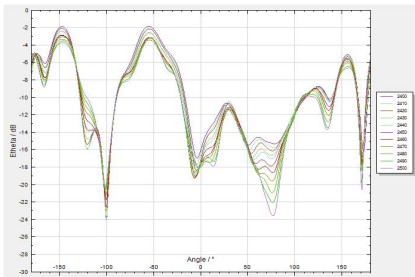
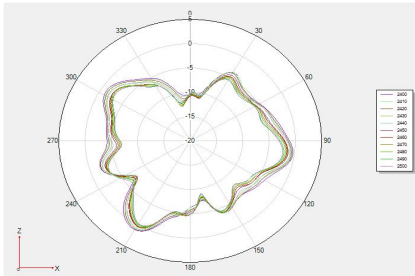
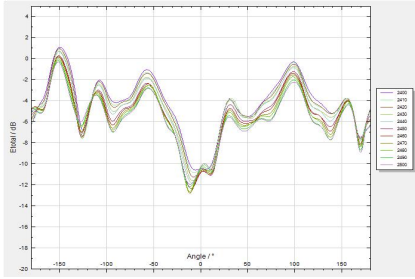
Frequency/Mhz	Efficiency / %	MaxGain/dBi
2400	57.41	2.06
2410	56.1	1.9
2420	56.23	1.74
2430	56.1	1.55
2440	56.89	1.51
2450	54.58	1.2
2460	52.72	1.14
2470	50.82	1.09
2480	48.53	1.02
2490	46.13	0.82
2500	44.26	0.67

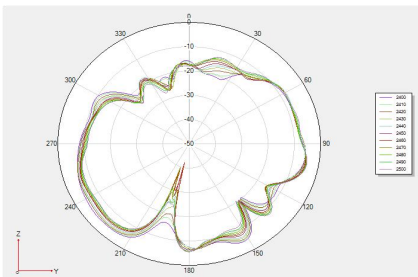
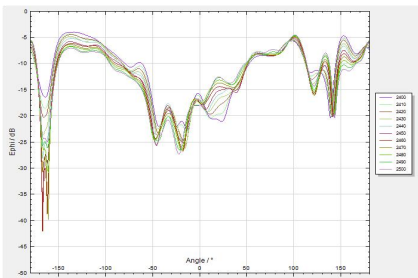
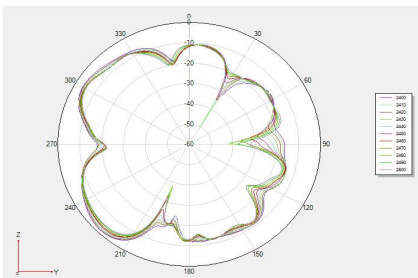
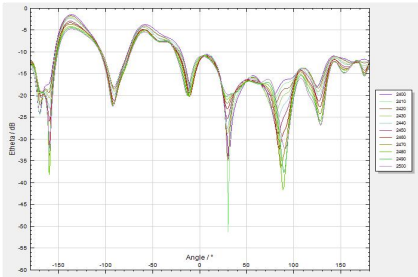
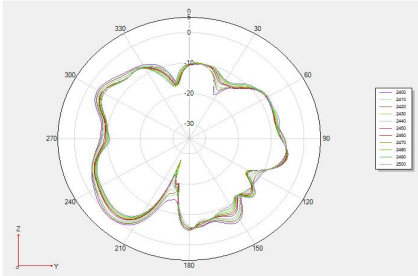
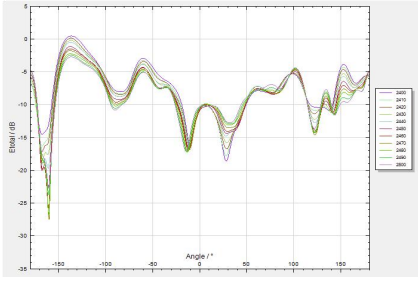
3) VSWR

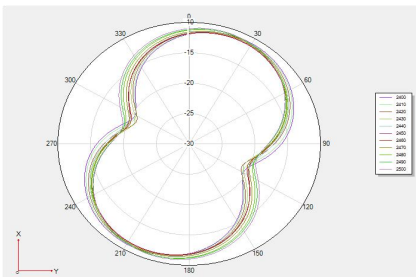
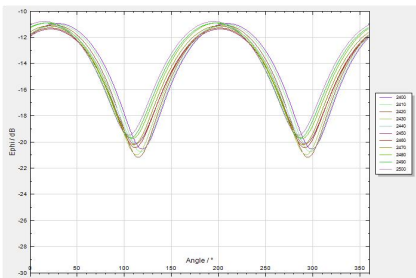
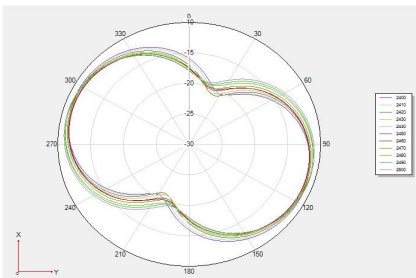
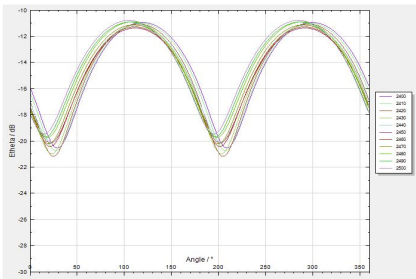
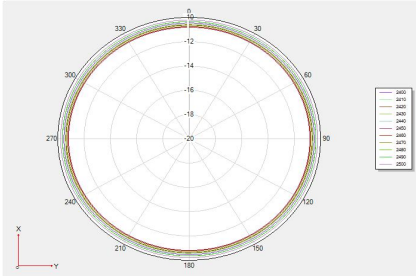
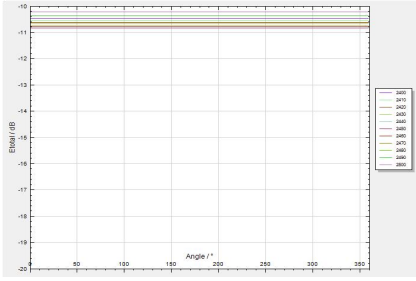


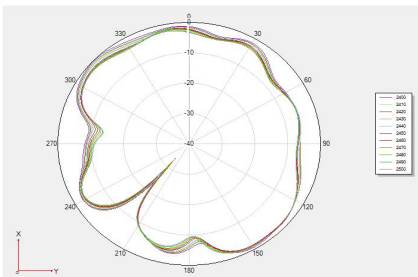
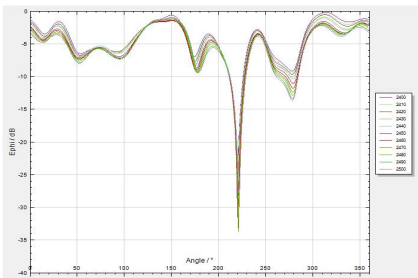
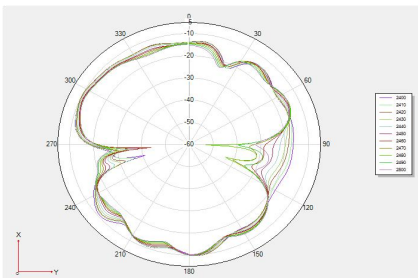
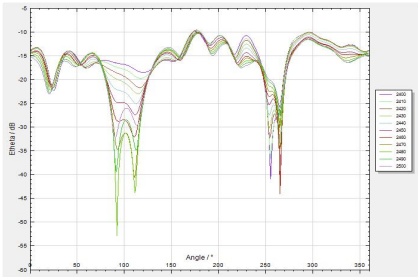
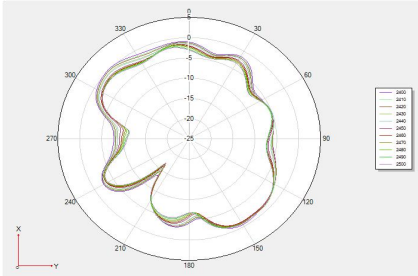
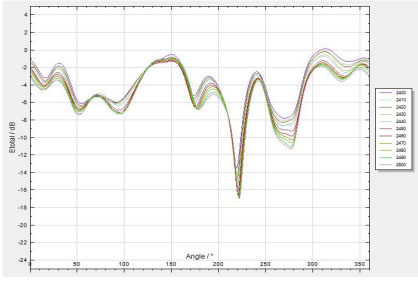
4) Antenna Passive Test

For details about the test data, see the "HL2_Inverted F Antenna Passive Test" documentation

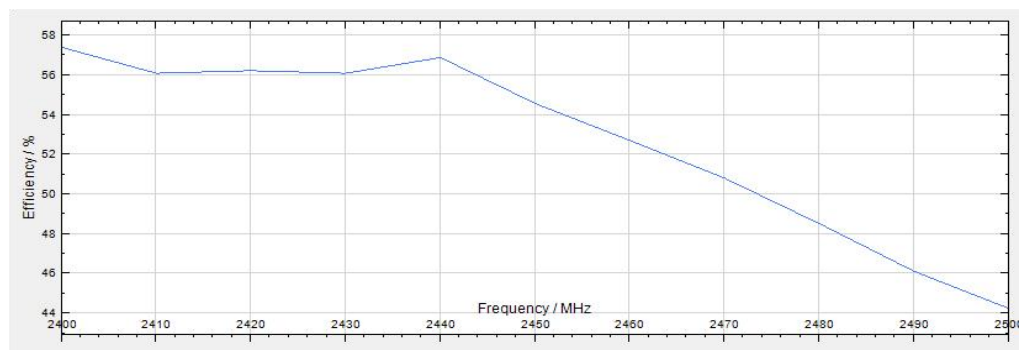
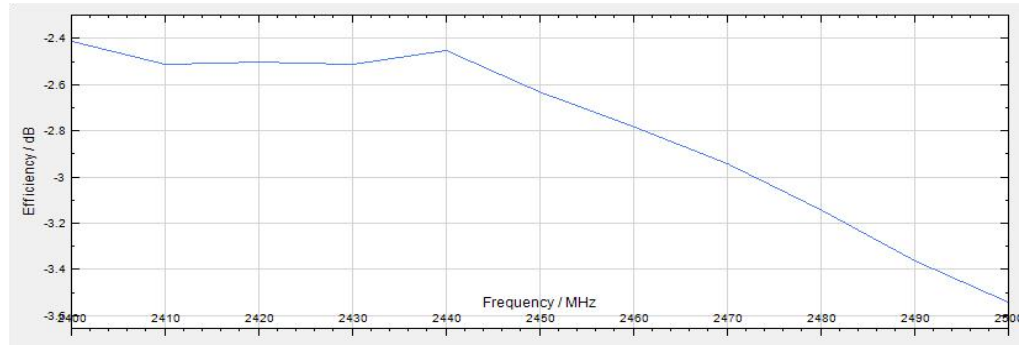




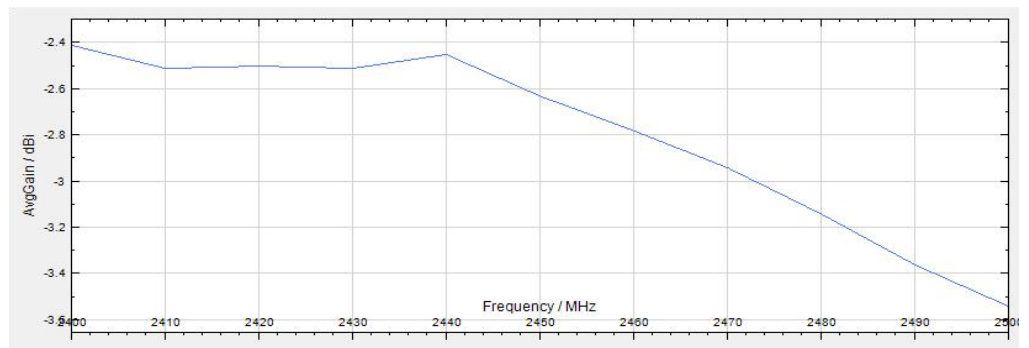
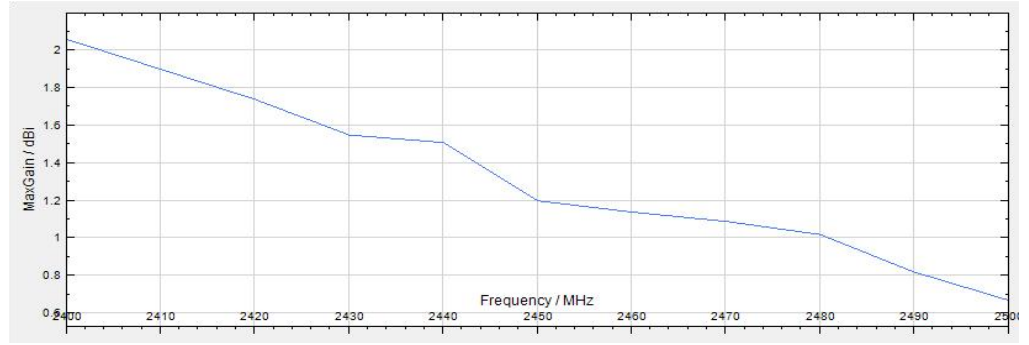




Frequency	Efficiency / dB	Efficiency / %
2400	-2.41	57.41
2410	-2.51	56.1
2420	-2.5	56.23
2430	-2.51	56.1
2440	-2.45	56.89
2450	-2.63	54.58
2460	-2.78	52.72
2470	-2.94	50.82
2480	-3.14	48.53
2490	-3.36	46.13
2500	-3.54	44.26



Frequency	MaxGain/dBi	AvgGain/dBi
2400	2.06	-2.41
2410	1.9	-2.51
2420	1.74	-2.5
2430	1.55	-2.51
2440	1.51	-2.45
2450	1.2	-2.63
2460	1.14	-2.78
2470	1.09	-2.94
2480	1.02	-3.14
2490	0.82	-3.36
2500	0.67	-3.54



Frequency	MaxEphi/dBi	AvgEphi/dBi
2400	2.03	-3.83
2410	1.87	-3.94
2420	1.69	-3.93
2430	1.49	-3.94
2440	1.44	-3.87
2450	1.11	-4.05
2460	1.05	-4.2
2470	0.99	-4.35
2480	0.91	-4.54
2490	0.72	-4.76
2500	0.57	-4.93

