

1. Antenna specifications

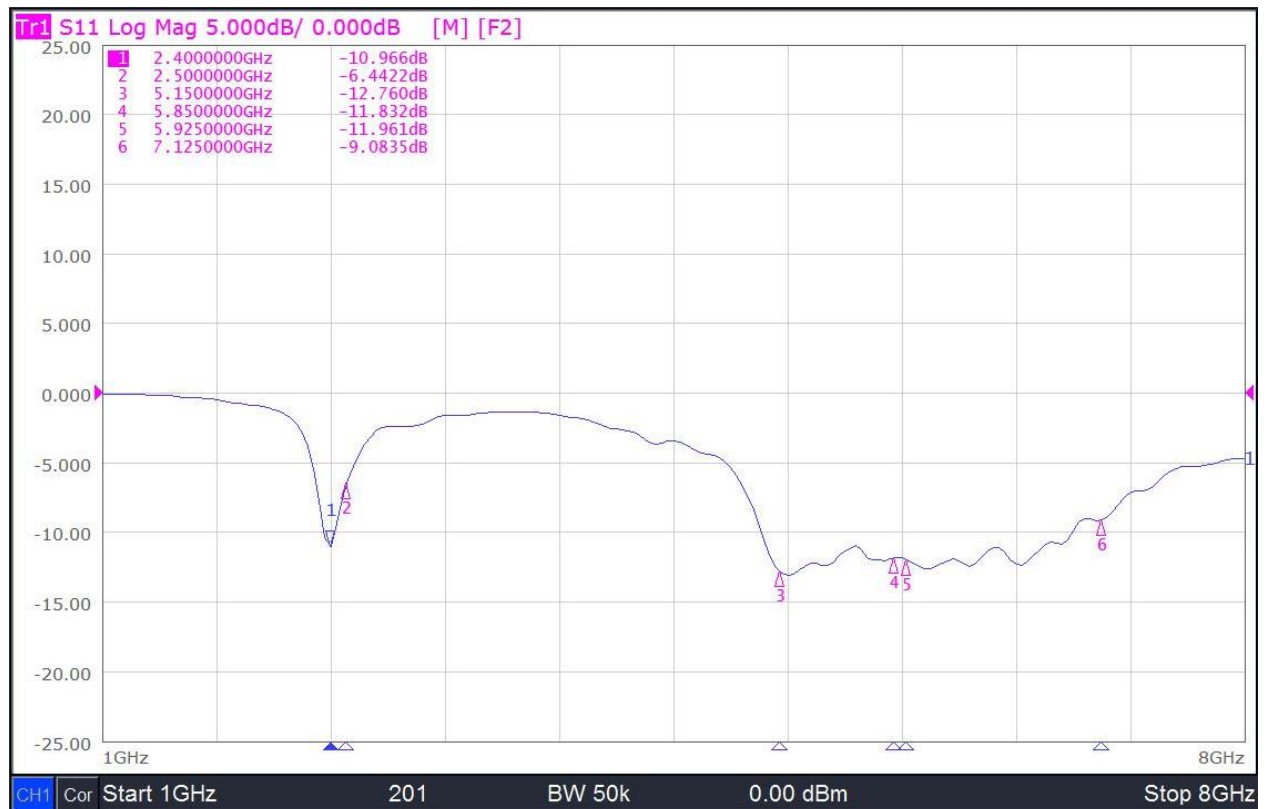
Antenna Type	WIFI Main Antenna
Connector	Kangshuo IV Connector
Cable Type	OD 0.81 RF LL Cable
Impedance	50Ω
Polarization	Linear
Radiation pattern	Omni-directional
Frequency	2400MHz~2500MHz 5150MHz~5850MHz 5925MHz~7125MHz
VSWR	3.0 Max
Antenna manufacturer	INNOWAVE
Address	Building H, Jintu Zhizao Garden, No. 55 Shengchuang Road, Yushan Town, Kunshan City, Jiangsu Province
Antenna type	PIFA

2. Antenna photo



3. Return loss

The connection of the testing device in sequence is E5071B network analyzer→50 ohm coaxial Cable→Test fixture



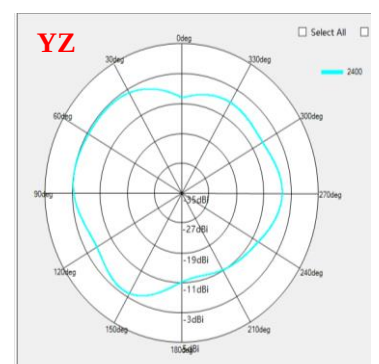
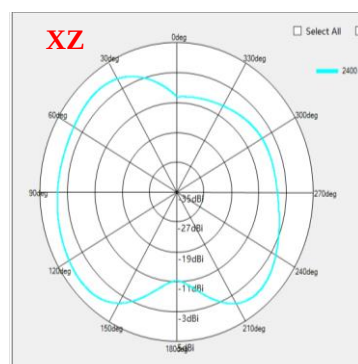
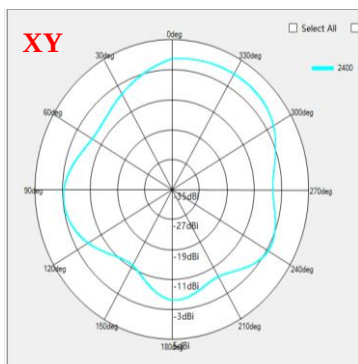
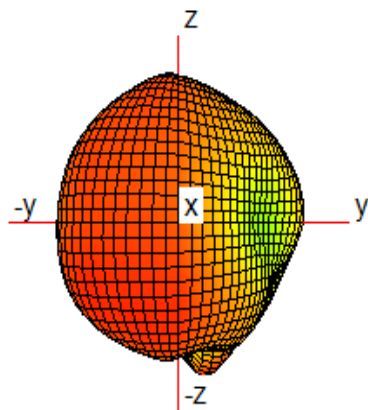
4. Antenna efficiency

WIFI Main Antenna			
Frequency (MHz)		Efficiency (dB)	Peak Gain (dB)
2.4G Band	2400	-3.51	2.13
	2450	-3.74	1.57
	2500	-4.17	0.62
5G Band	5150	-3.82	2.60
	5250	-3.67	2.79
	5350	-4.12	2.06
	5450	-3.89	1.94
	5550	-3.82	2.04
	5650	-3.61	2.48
	5750	-3.67	2.55
	5850	-3.94	2.15
6G Band	5925	-4.13	2.10
	6025	-4.26	2.86
	6125	-4.06	2.64
	6225	-3.86	2.60
	6325	-4.18	2.59
	6425	-4.08	2.38
	6525	-3.94	2.53
	6625	-4.52	2.28
	6725	-4.11	2.79

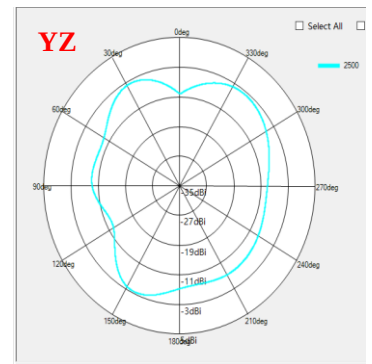
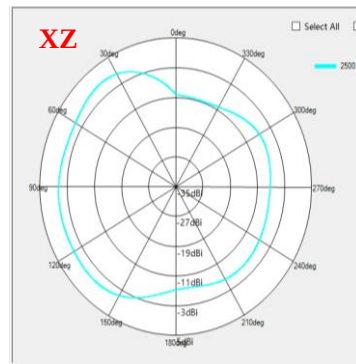
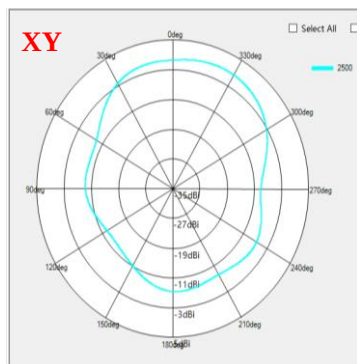
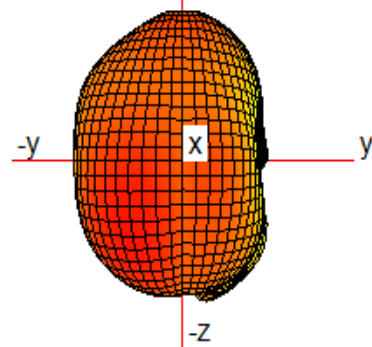
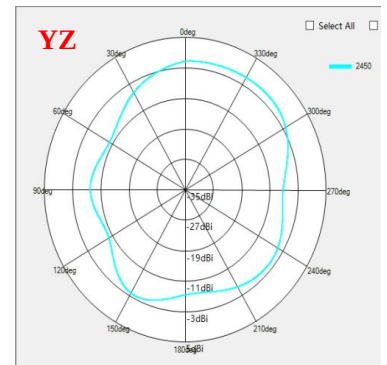
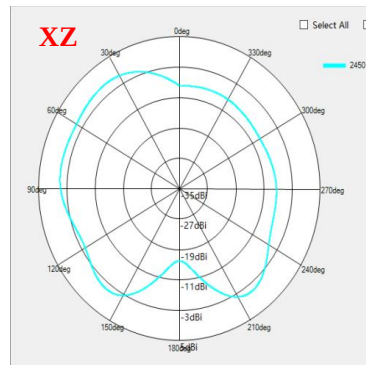
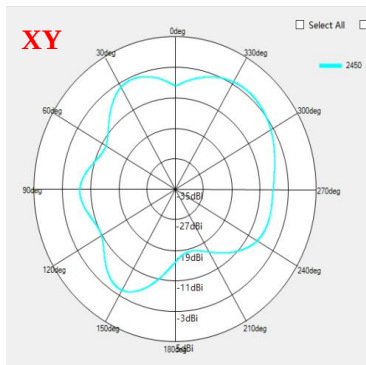
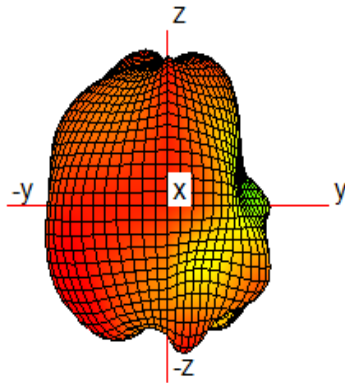
	6825	-4.36	2.56
	6925	-4.78	2.20
	7025	-4.61	2.15
	7125	-4.71	2.70

5. Radiation characteristics of antenna

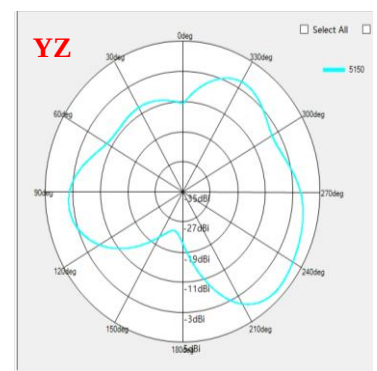
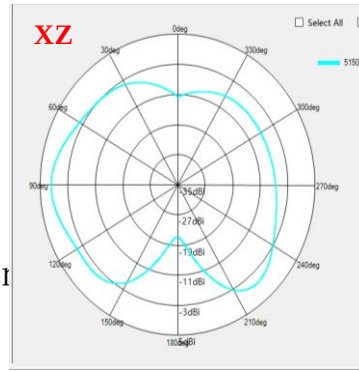
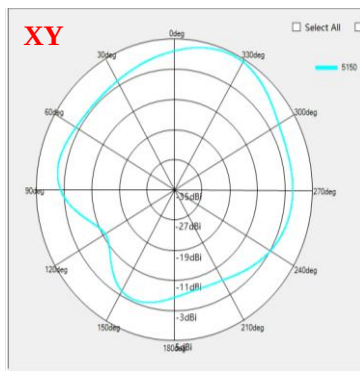
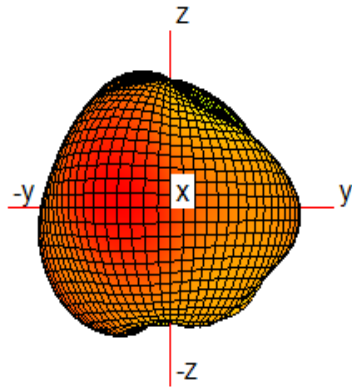
2400MHz (Peak Gain)



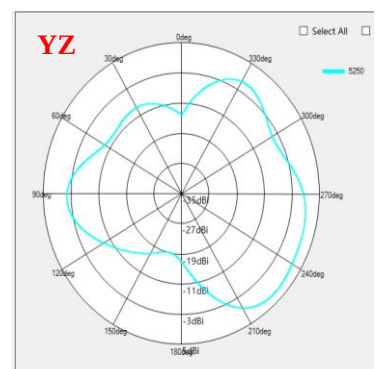
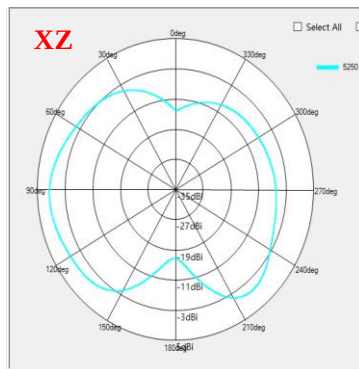
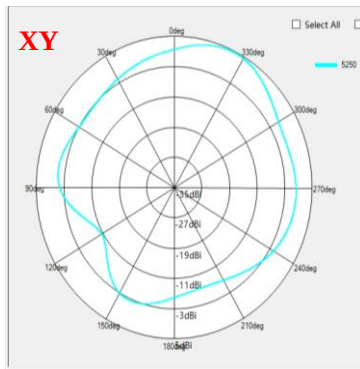
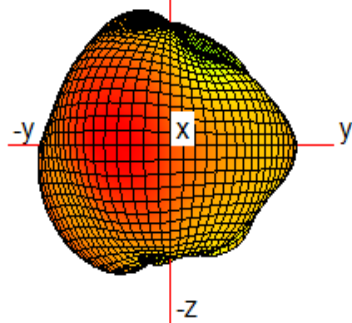
2450MHz



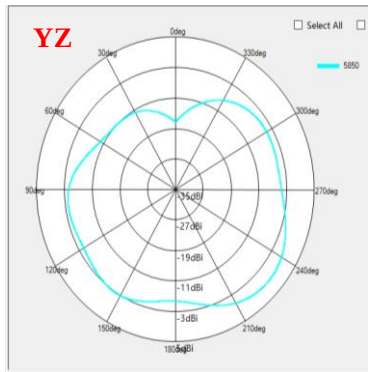
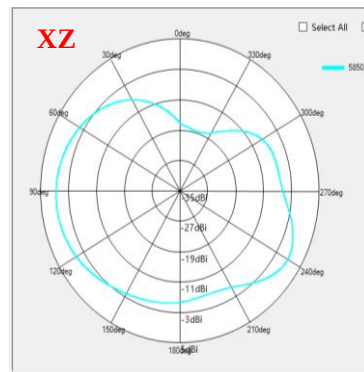
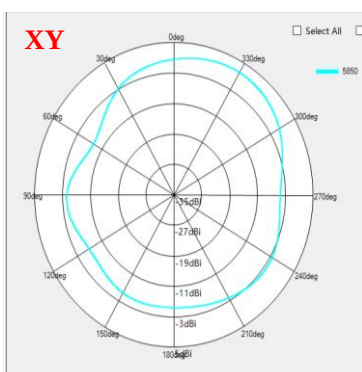
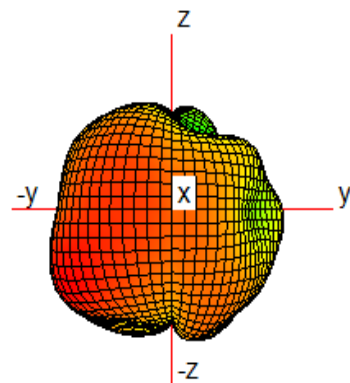
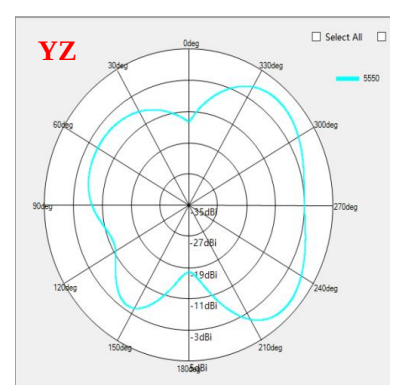
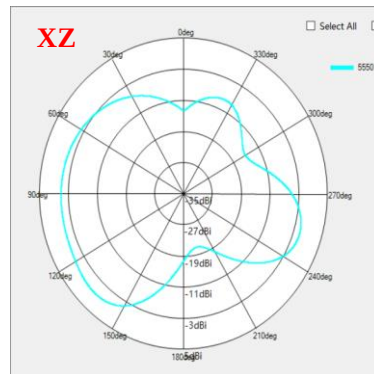
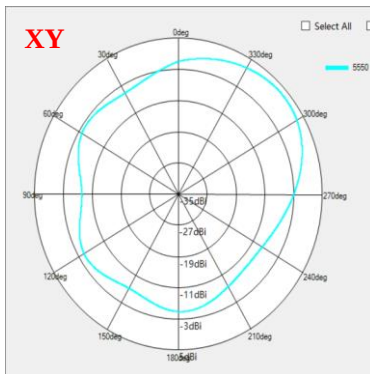
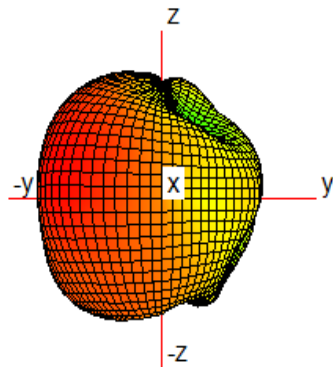
5150MHz



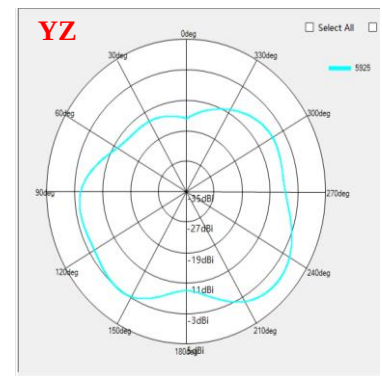
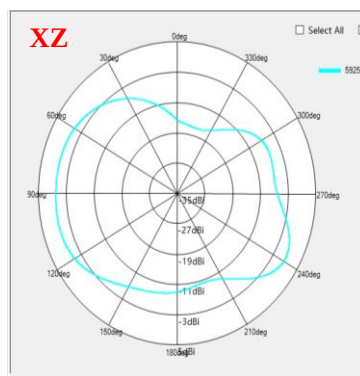
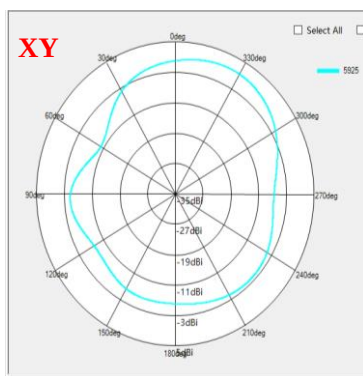
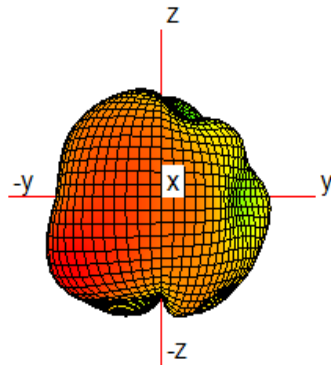
k Gain



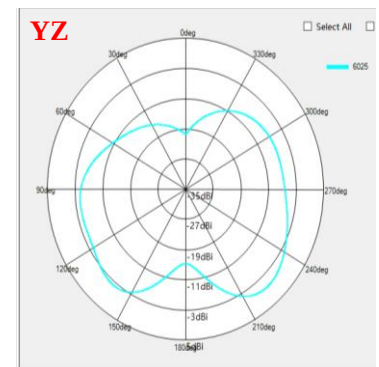
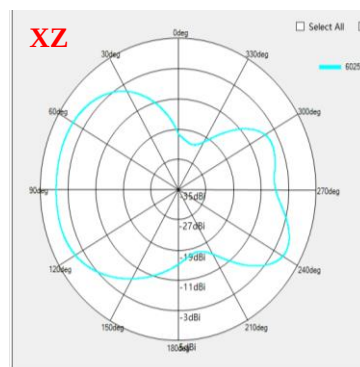
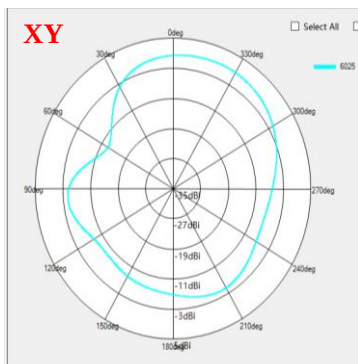
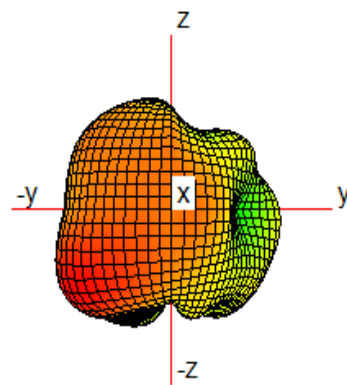
5550MHz



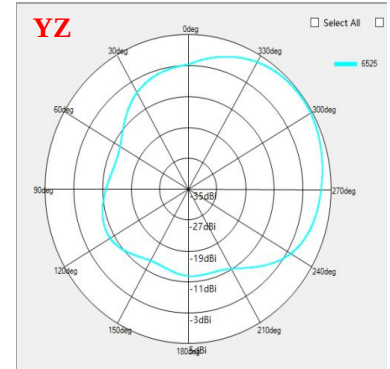
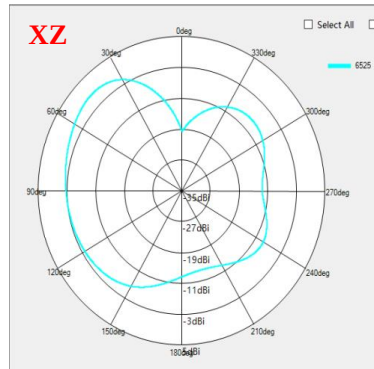
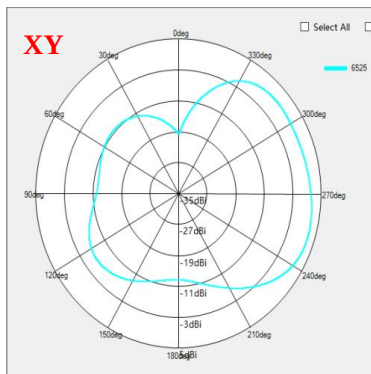
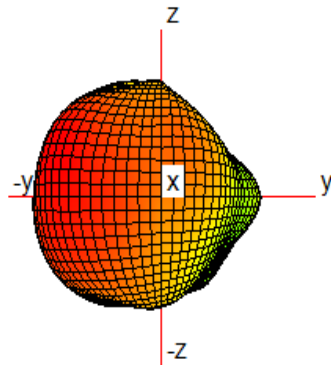
5925MHz



6025MHz (Peak Gain)



6525MHz



7125MHz

