

1. Antenna specifications

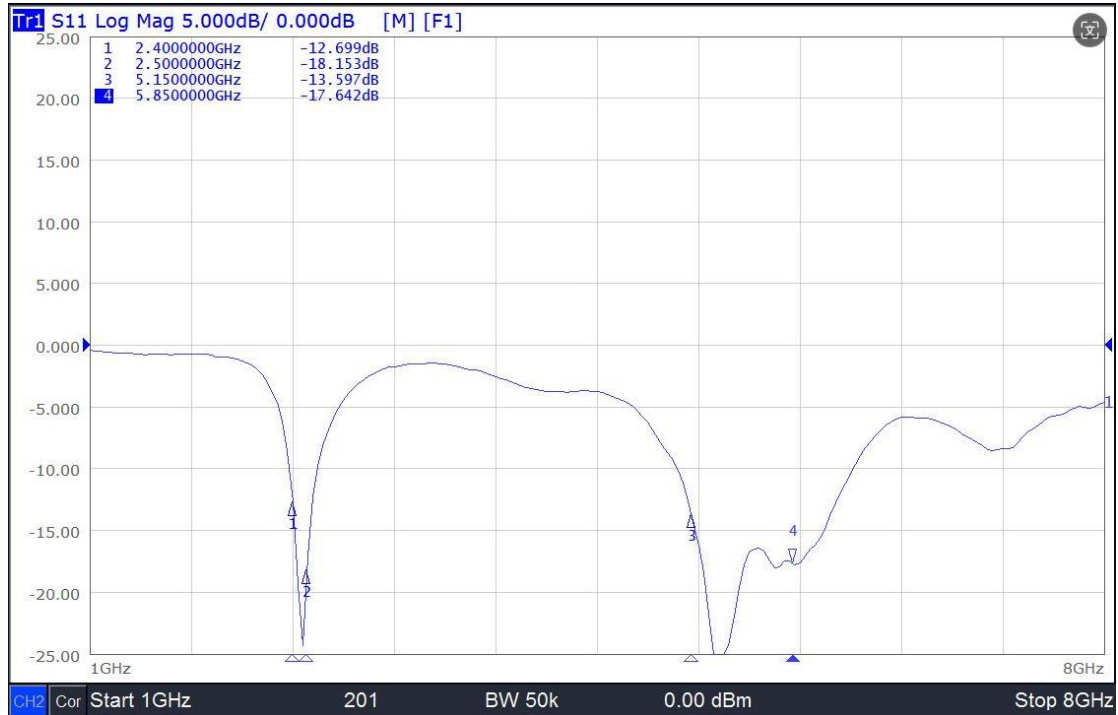
Antenna name	WIFI MAIN Antenna
Connector	Kangshuo IV Connector
Cable type	OD 0.81 RF LL Cable
Impedance	50Ω
Polarization	Linear
Radiation pattern	Omni-directional
Frequency	2400MHz~2500MHz 5150MHz~5850MHz
VSWR	3.0 Max
Antenna manufacturer	INNOWAVE
Address	Building H, Jintu Zhizao Garden, No. 55 Shengchuang 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

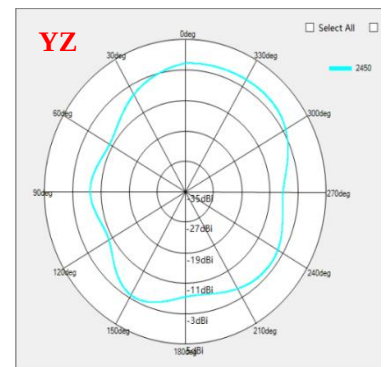
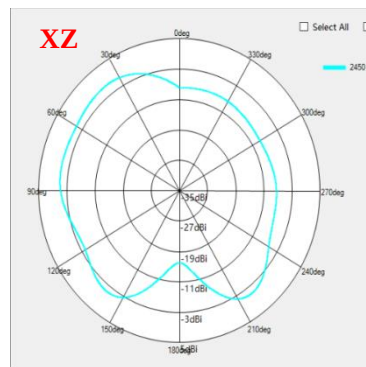
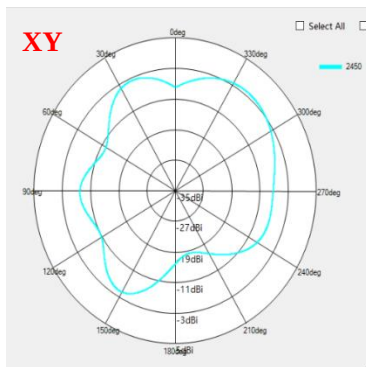
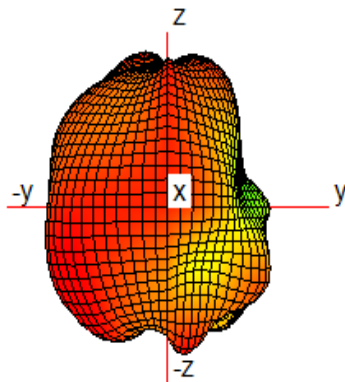


4. Antenna efficiency

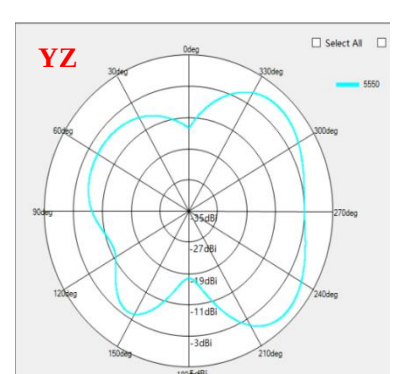
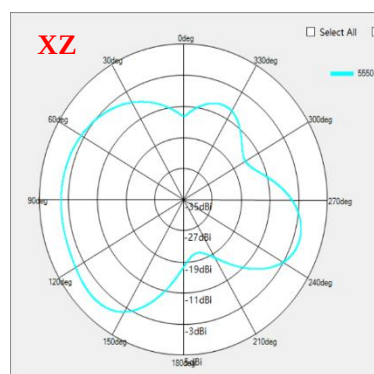
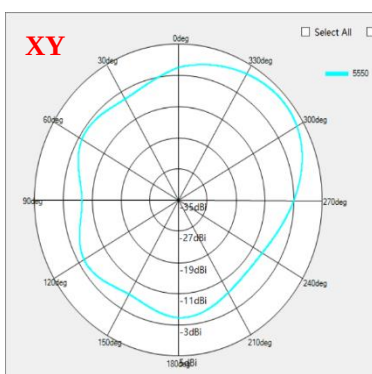
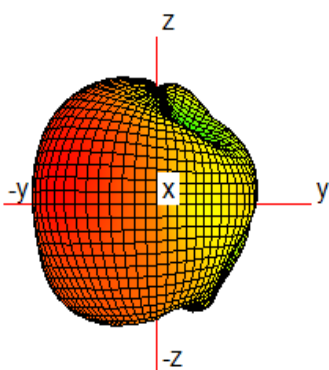
WIFI Main Antenna			
Frequency (MHz)		Efficiency (dB)	Peak Gain (dB)
2.4G Band	2400	-3.45	1.06
	2420	-3.13	1.88
	2450	-2.90	2.50
	2480	-2.63	2.80
	2500	-3.16	2.57
5G Band	5150	-2.89	2.41
	5250	-2.77	2.17
	5350	-3.05	1.77
	5450	-2.76	2.05
	5550	-2.69	2.34
	5650	-2.19	2.56
	5750	-2.07	2.57
	5850	-2.06	2.72

5. Radiation characteristics of antenna

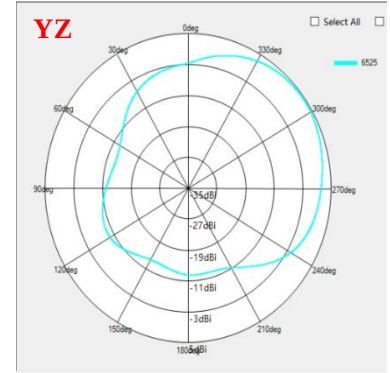
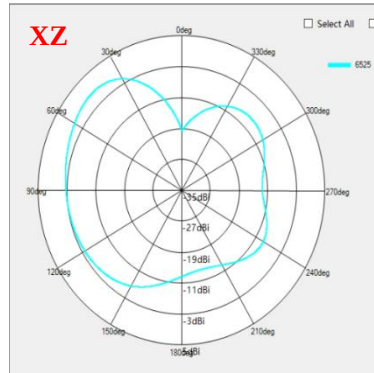
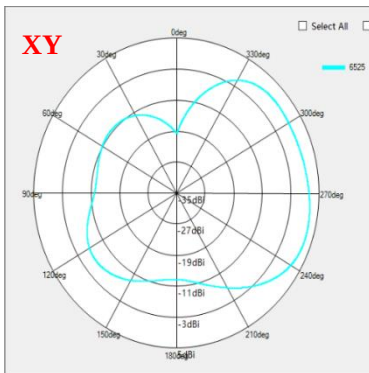
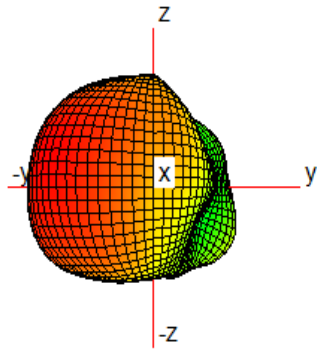
2400MHz



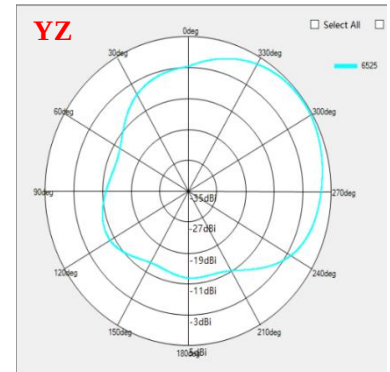
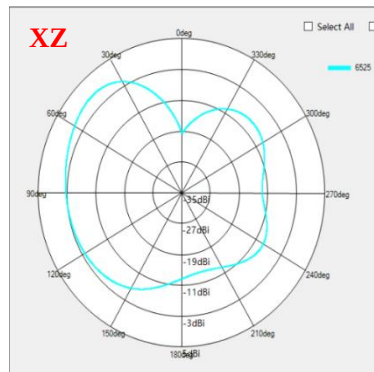
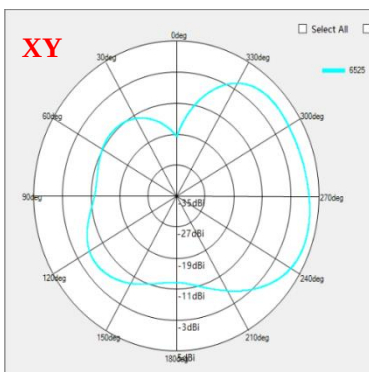
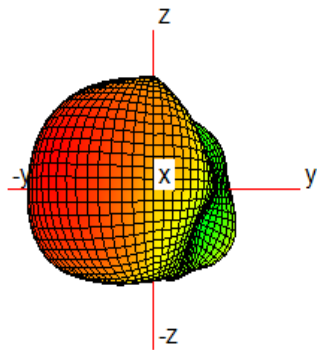
2450MHz



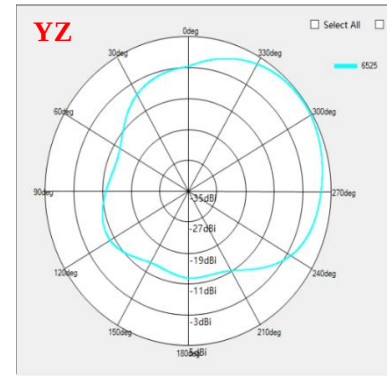
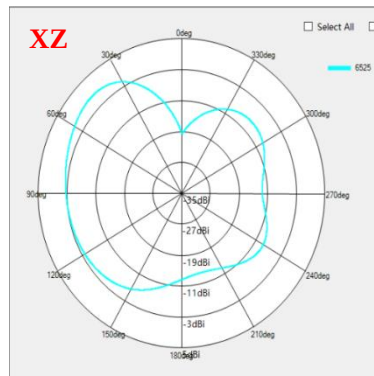
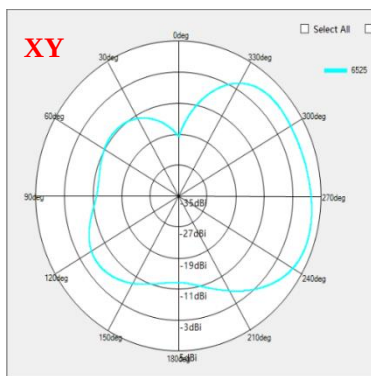
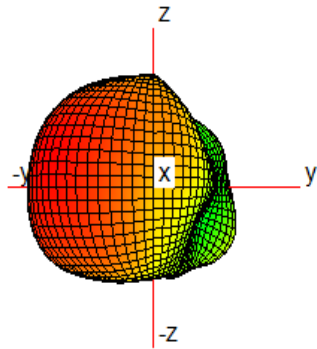
2500MHz



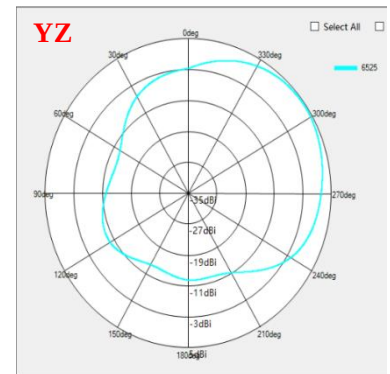
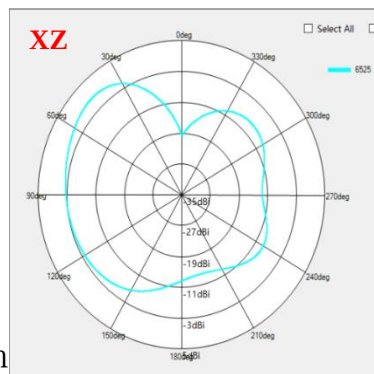
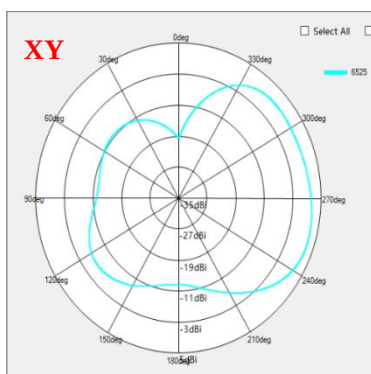
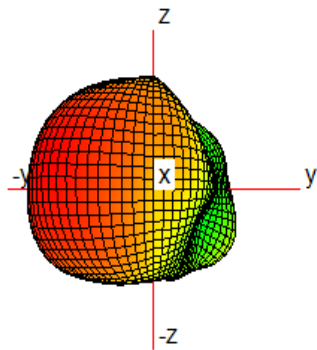
2480MHz (Peak Gain)



5150MHz



5550MHz



Gain

5850MHz (Peak Gain)

