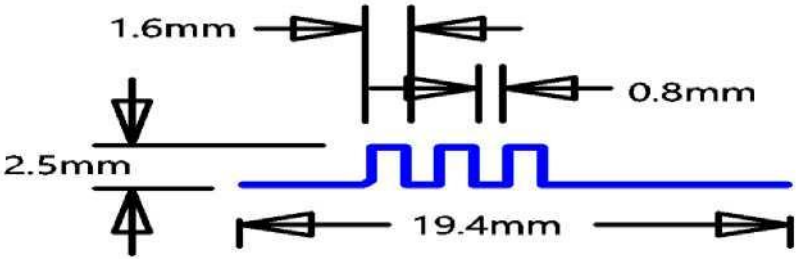


.Antenna Description:

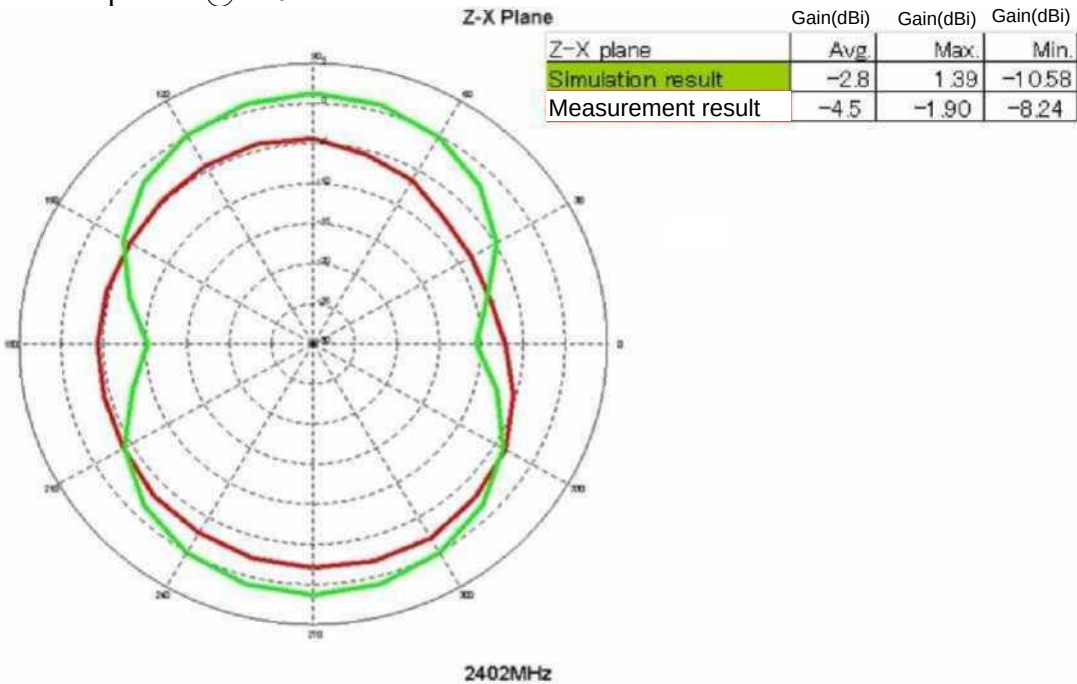
Antenna plate	Monopole Antenna
Antenna peak gain	1.0 dBi
Frequency range	2.402MHz~2.480MHz
Connect type	Direct Connect
manufacturer	Shenzhen Xinxin Zhilian Technology Co., Ltd
model	The PCB has a built-in antenna

2. Picture of antenna

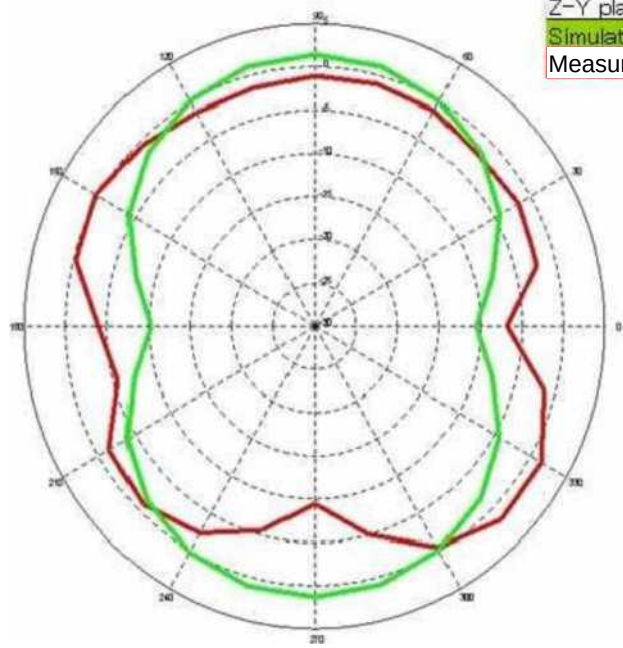


3.

Radiation pattern @2.402GHz



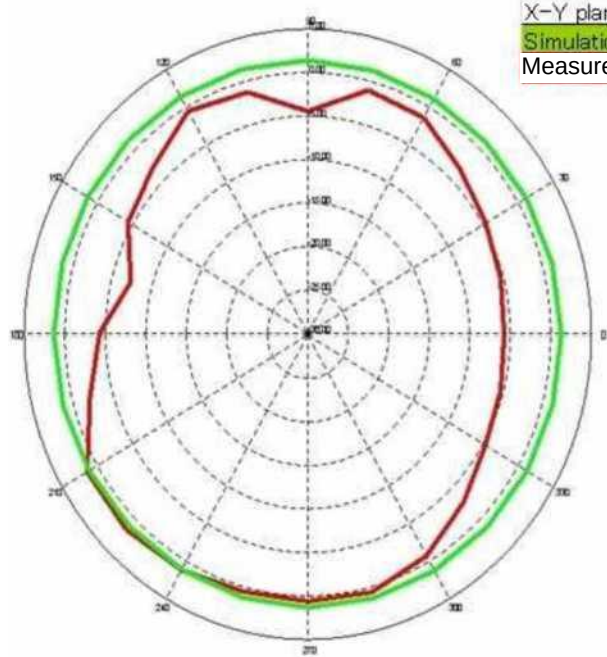
Z-Y Plane



	Gain(dBi)	Gain(dBi)	Gain(dBi)
Z-Y plane	Avg.	Max.	Min.
Simulation result	-2.8	-1.45	-10.58
Measurement result	-2.1	0.45	-9.42

2402MHz

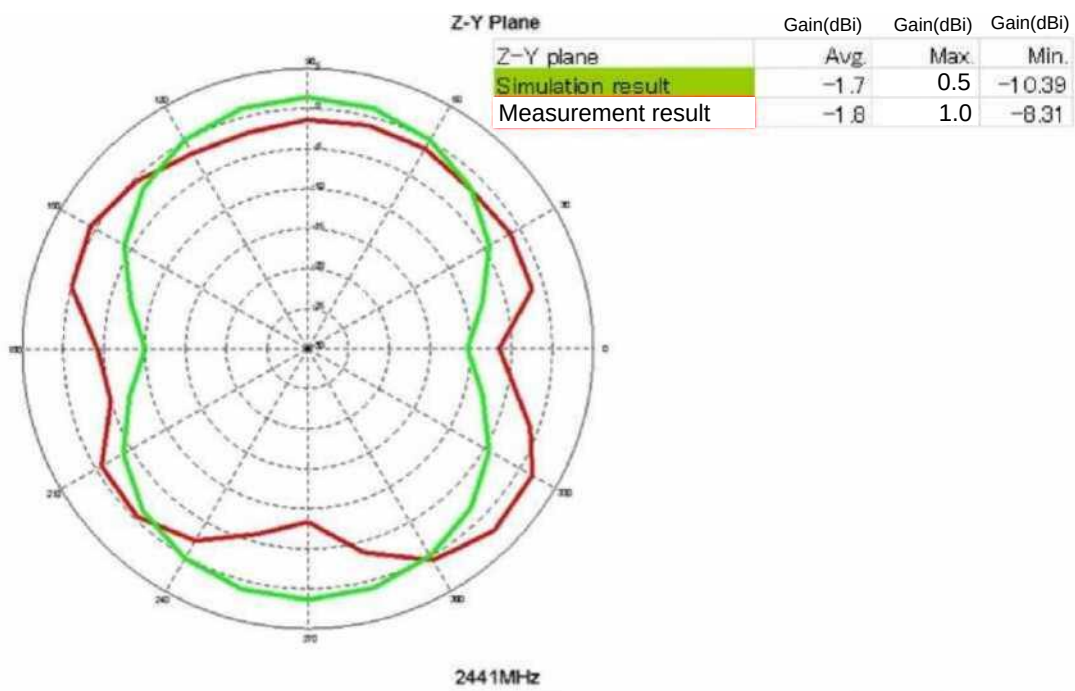
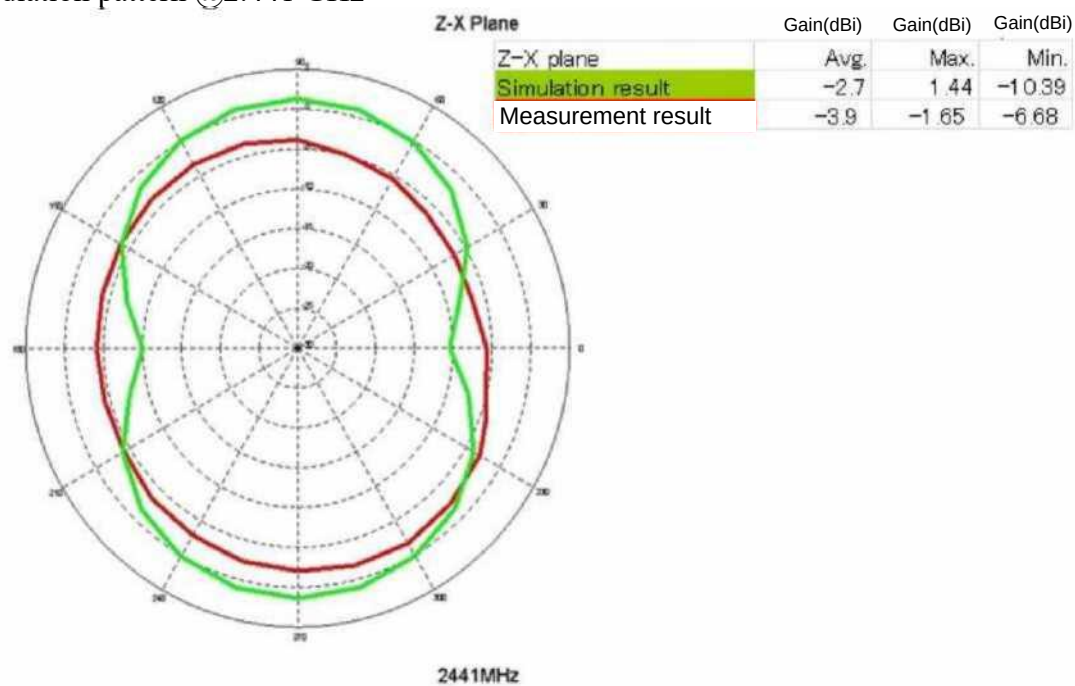
X-Y Plane

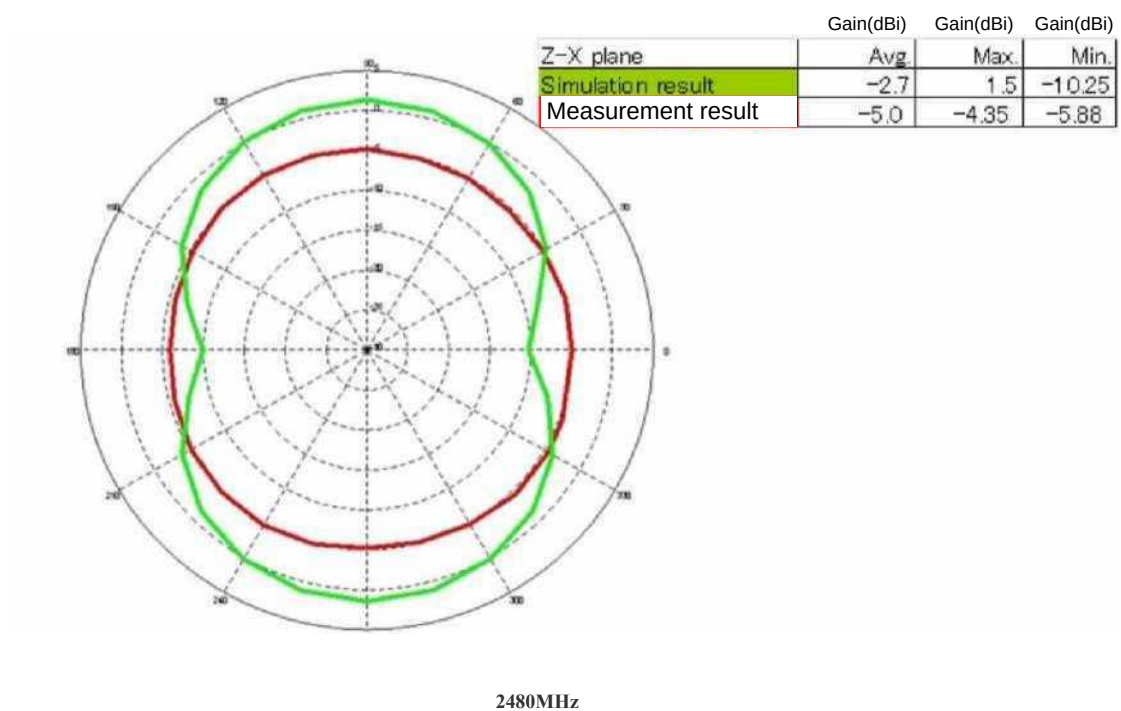
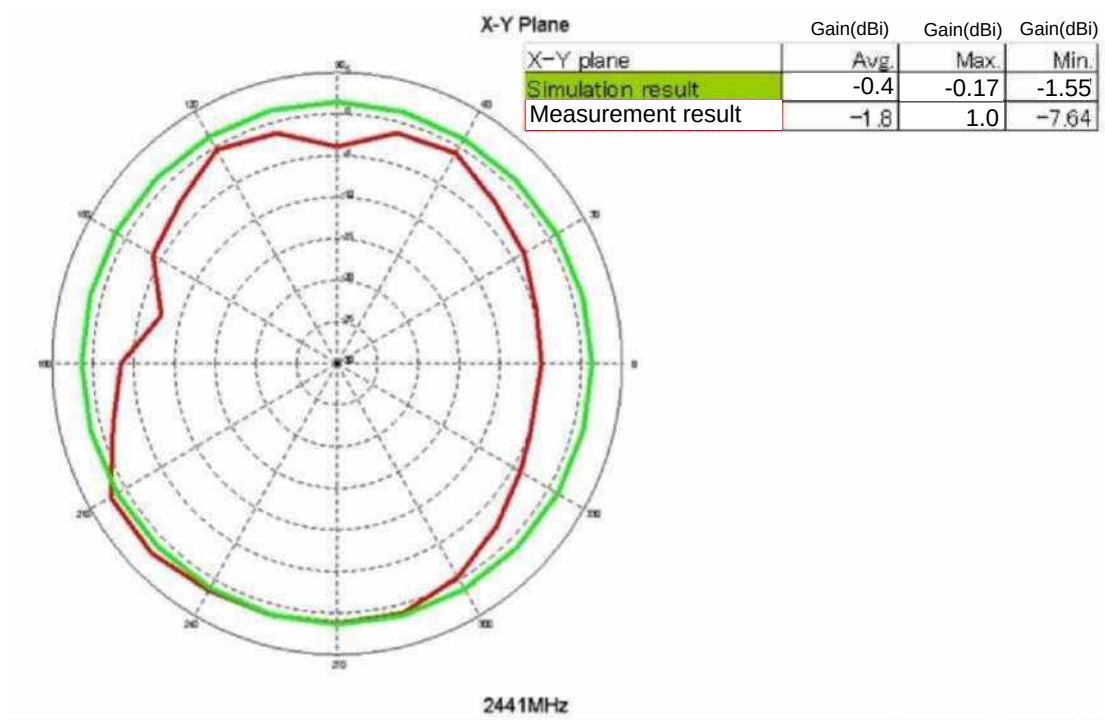


	Gain(dBi)	Gain(dBi)	Gain(dBi)
X-Y plane	Avg.	Max.	Min.
Simulation result	0.3	0.5	0.15
Measurement result	-2.3	0.7	-7.34

2402MHz

Radiation pattern @2.441 GHz

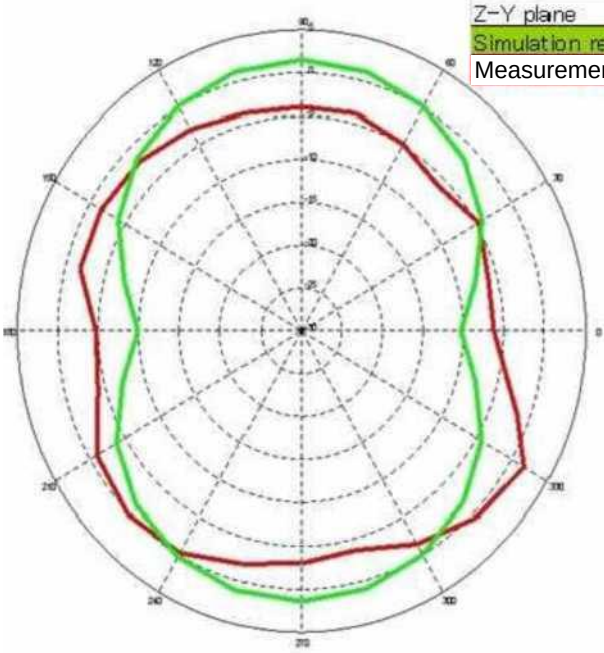




Radiation pattern @2.480GHz

Z-X Plane

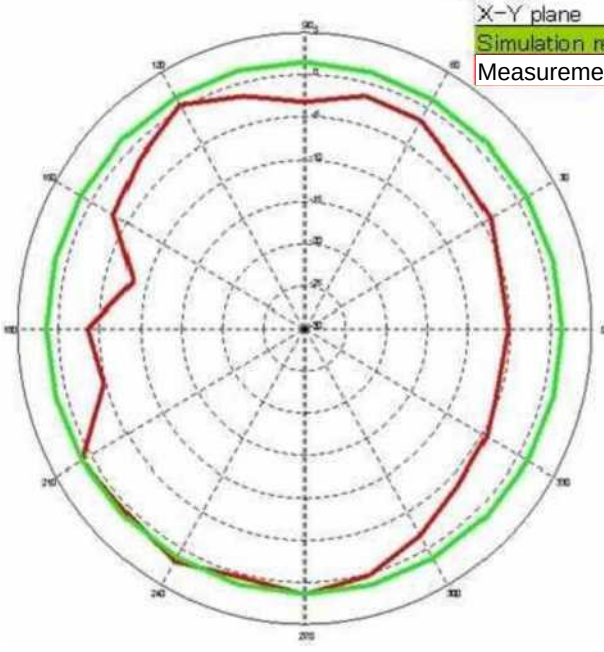
Z-Y Plane



	Gain(dBi)	Gain(dBi)	Gain(dBi)
Z-Y plane	Avg.	Max.	Min.
Simulation result	-2.7	0.55	-10.25
Measurement result	-2.8	0.82	-6.16

2480MHz

X-Y Plane



	Gain(dBi)	Gain(dBi)	Gain(dBi)
X-Y plane	Avg.	Max.	Min.
Simulation result	0.4	0.61	0.22
Measurement result	-2.3	0.82	-8.38

2480MHz