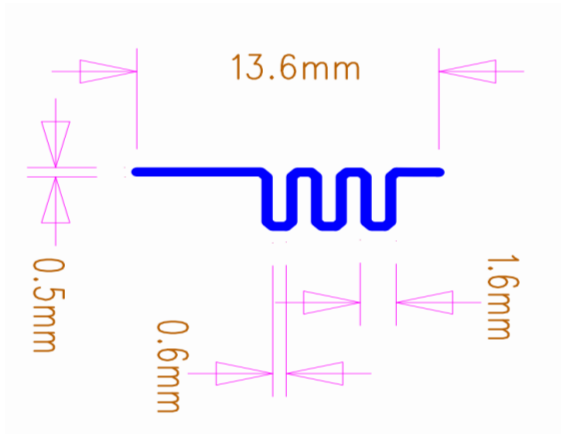


Manufacturer: Shenzhen Xinxin Zhilian Technology Co., Ltd
Address: 3rd Floor, Building 4-2, Aiqun Road, Shiyan Street, Bao 'an District, Shenzhen, China
Model: The PCB has a built-in antenna

1. Antenna Description:

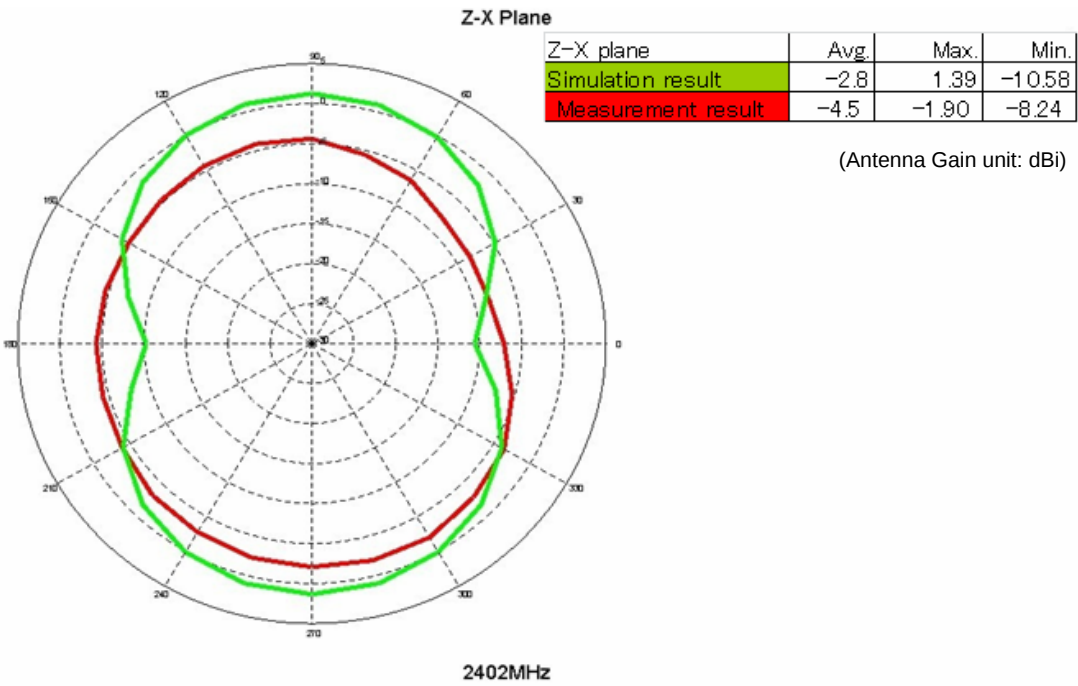
Antenna peak gain	2.3 dBi
Frequency range	2.402MHz~2.480MHz
Connect type	Direct Connect

2. Picture of antenna



3.

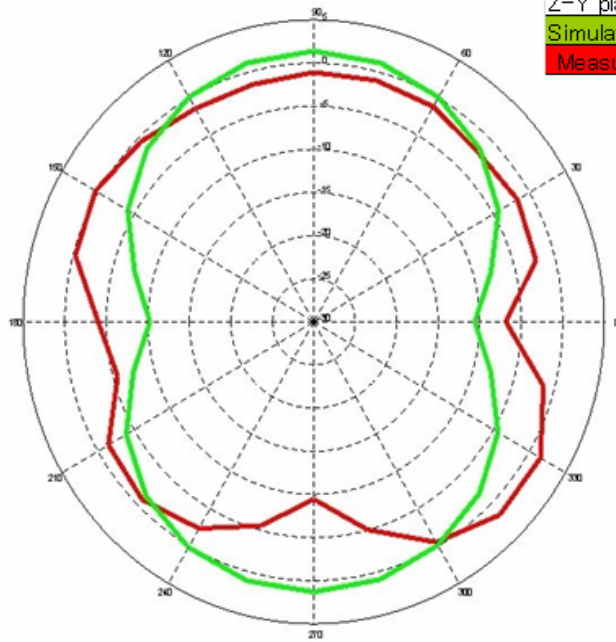
Radiation pattern @2.402GHz



Z-Y Plane

Z-Y plane	Avg.	Max.	Min.
Simulation result	-2.8	1.45	-10.58
Measurement result	-2.1	1.7	-9.42

(Antenna Gain unit: dBi)

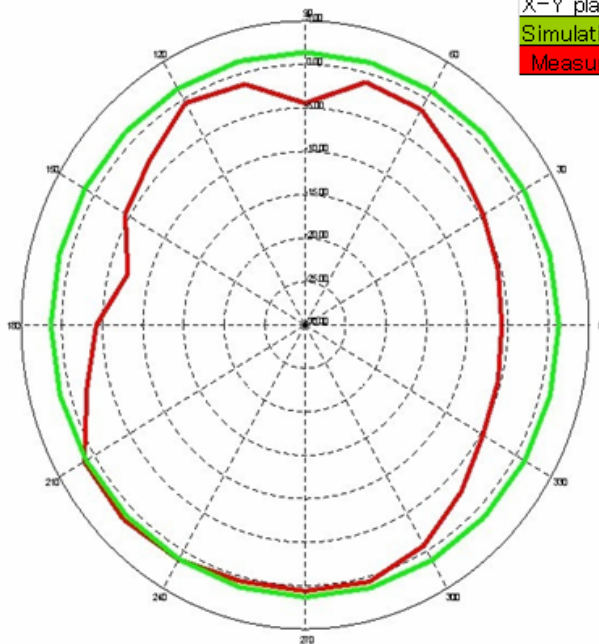


2402MHz

X-Y Plane

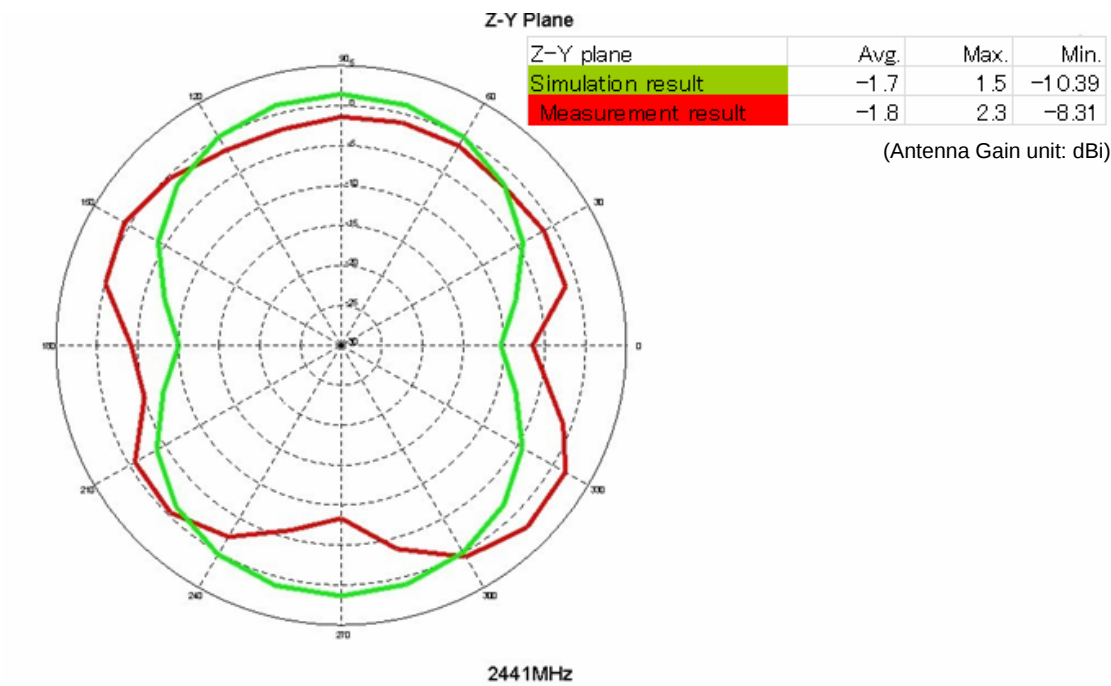
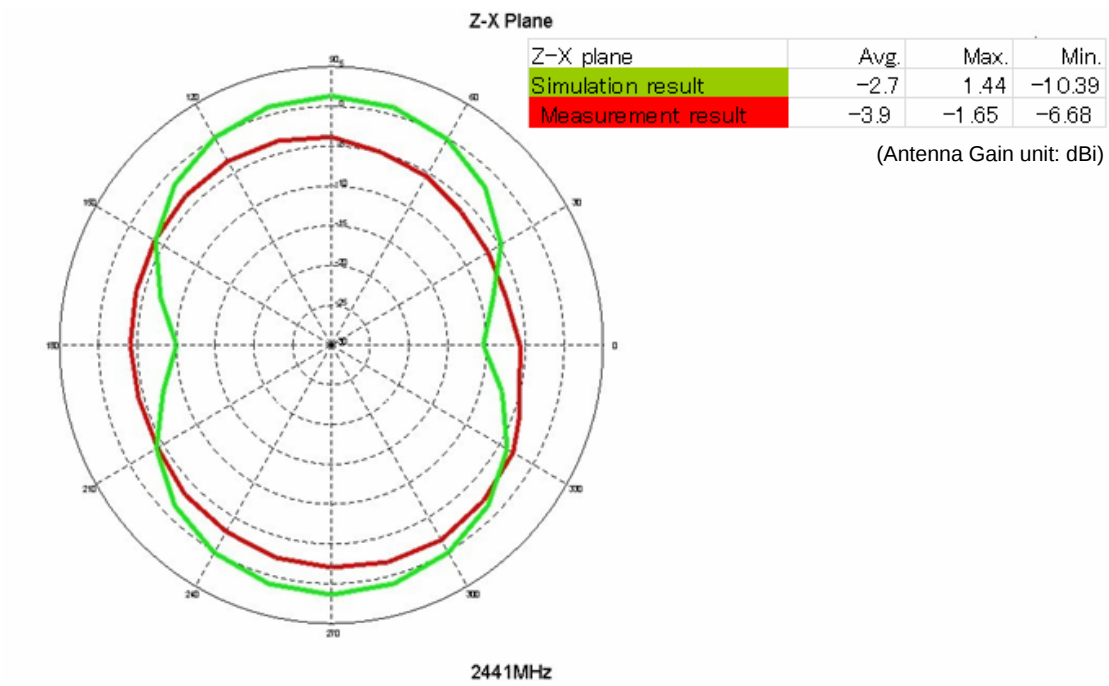
X-Y plane	Avg.	Max.	Min.
Simulation result	1.3	1.5	1.15
Measurement result	-2.3	1.7	-7.34

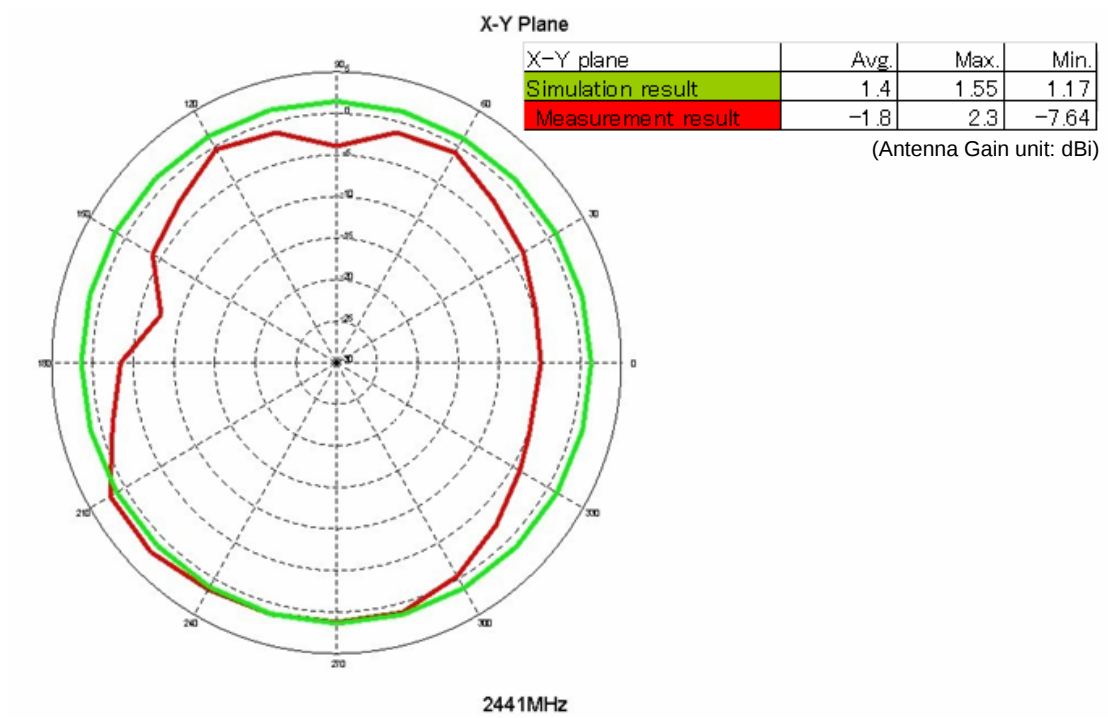
(Antenna Gain unit: dBi)



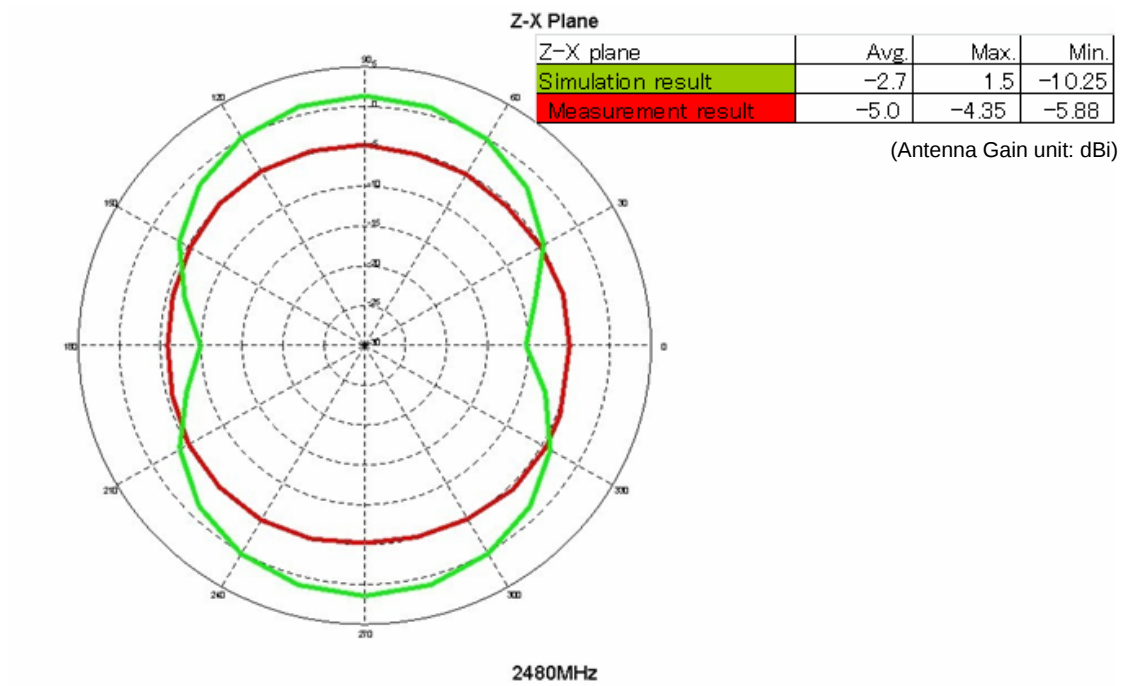
2402MHz

Radiation pattern @2.441GHz





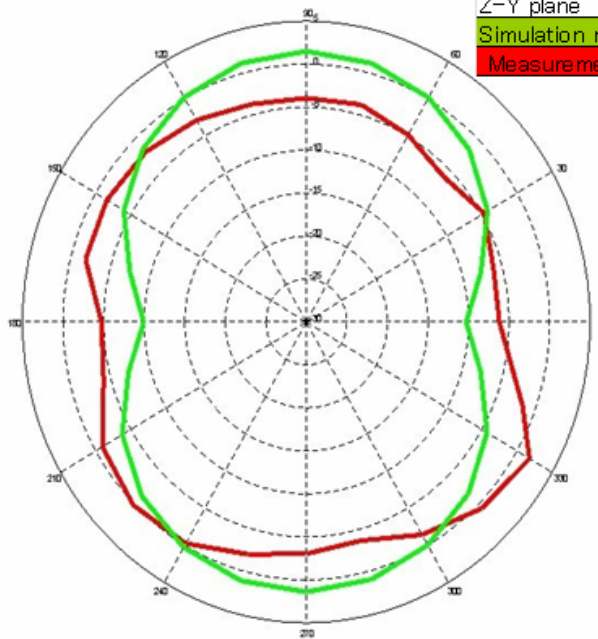
Radiation pattern @2.480GHz



Z-Y Plane

Z-Y plane	Avg.	Max.	Min.
Simulation result	-2.7	1.55	-10.25
Measurement result	-2.8	1.82	-6.16

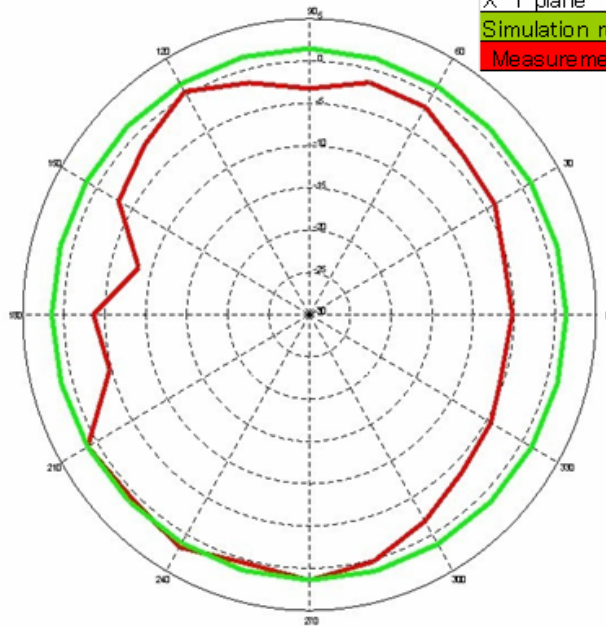
(Antenna Gain unit: dBi)



2480MHz

X-Y Plane

X-Y plane	Avg.	Max.	Min.
Simulation result	1.4	1.61	1.22
Measurement result	-2.3	1.82	-8.38



2480MHz