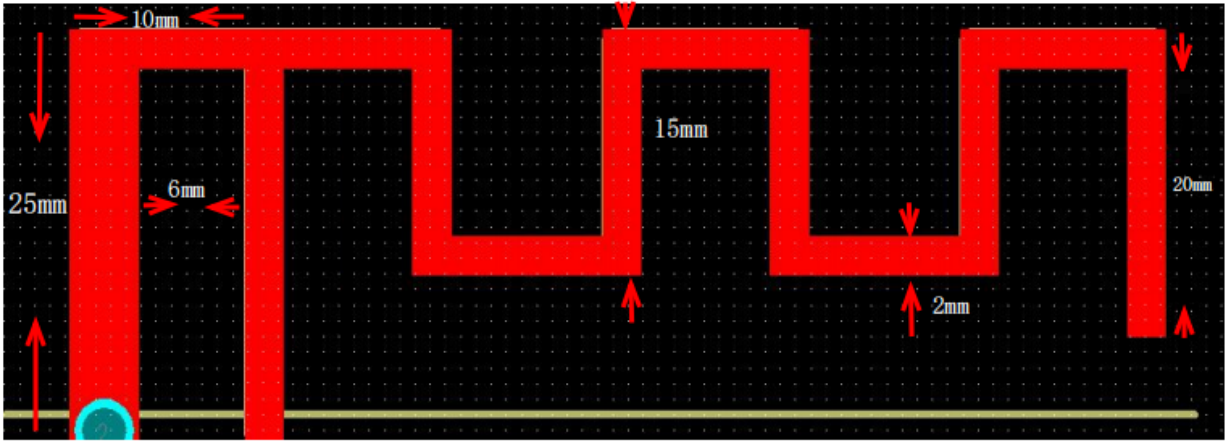


天线性能测试规格书

深圳市新一信息技术有限公司

一、Dimensions



二、General Specifications

Part Number	XY-MBD58A_PCB_ANTENNA
Frequency Range	2400 - 2500 Mhz
Band Width	100MHz
Peak Gain	0.5 dBi
Return Loss	-10dB (MAX)
VSWR	≤2.0(MAX)
Antenna type	FR4_PCB_Antenna
Antenna size	10.23 x 5.41 mm

三、 TEST

ANTENNA INFORMATION

- Antenna Type: PCB antenna
- Antenna Radiation Pattern

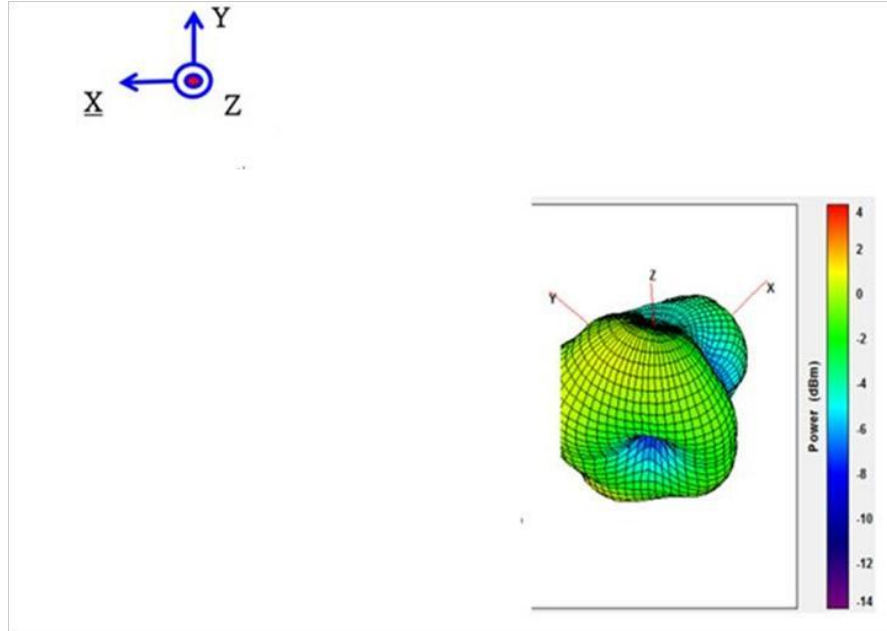
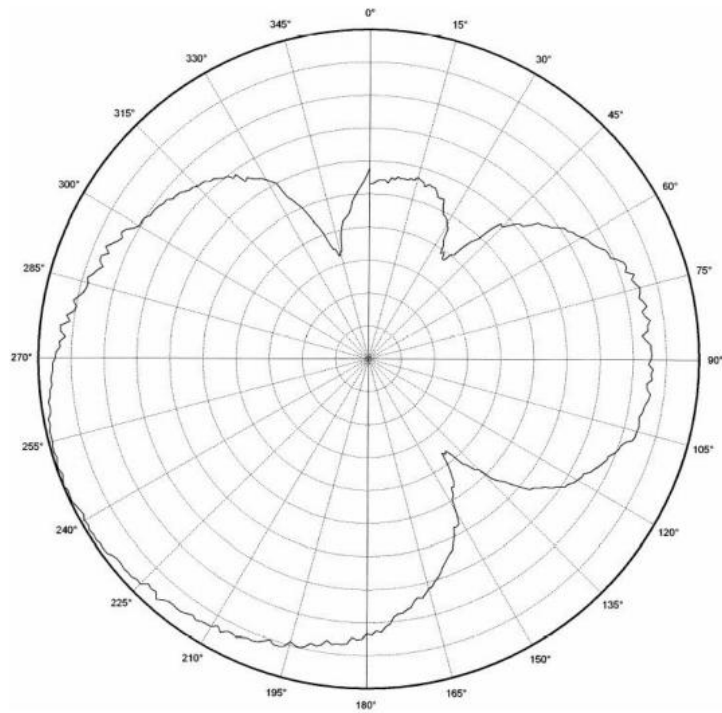
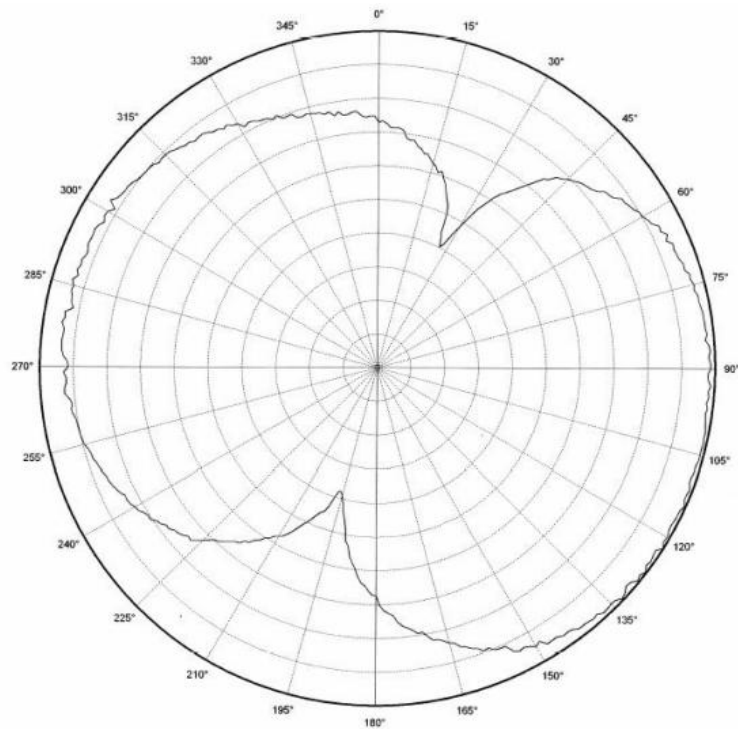


Figure 1: The Antenna to the Radiation Patterns

XY maximum position antenna gain frequency:2400MHz
Max:0.5 Min:-4.5 Scale:0.5/div



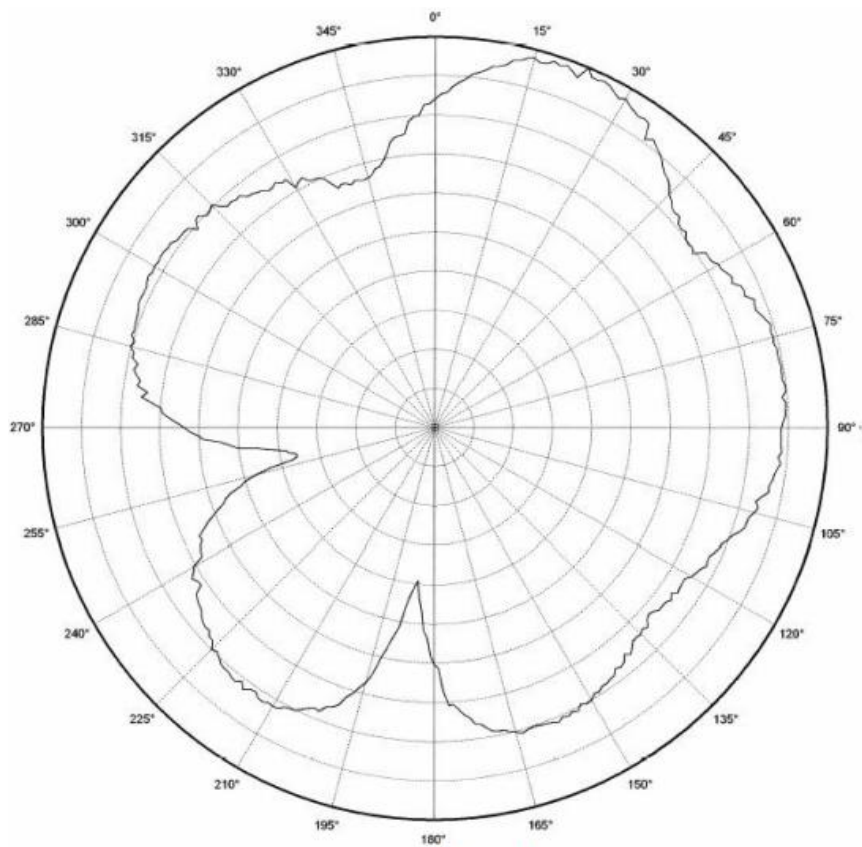
XY vertical



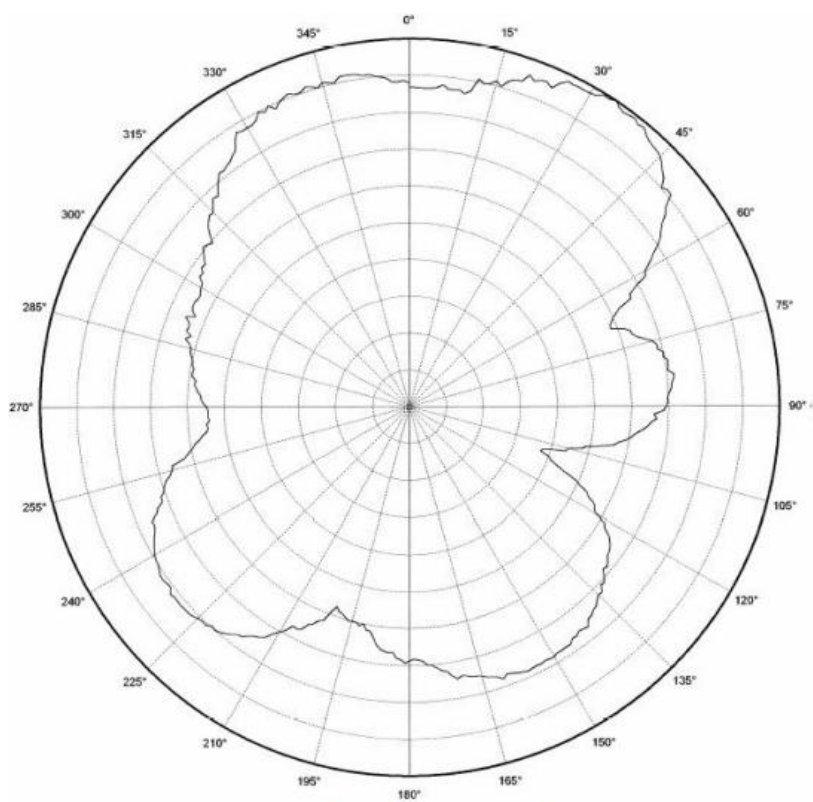
XY horizontal

XZ maximum position antenna gain frequency:2400MHz

Max:-1.5 Min:-7.5 Scale:0.5/div

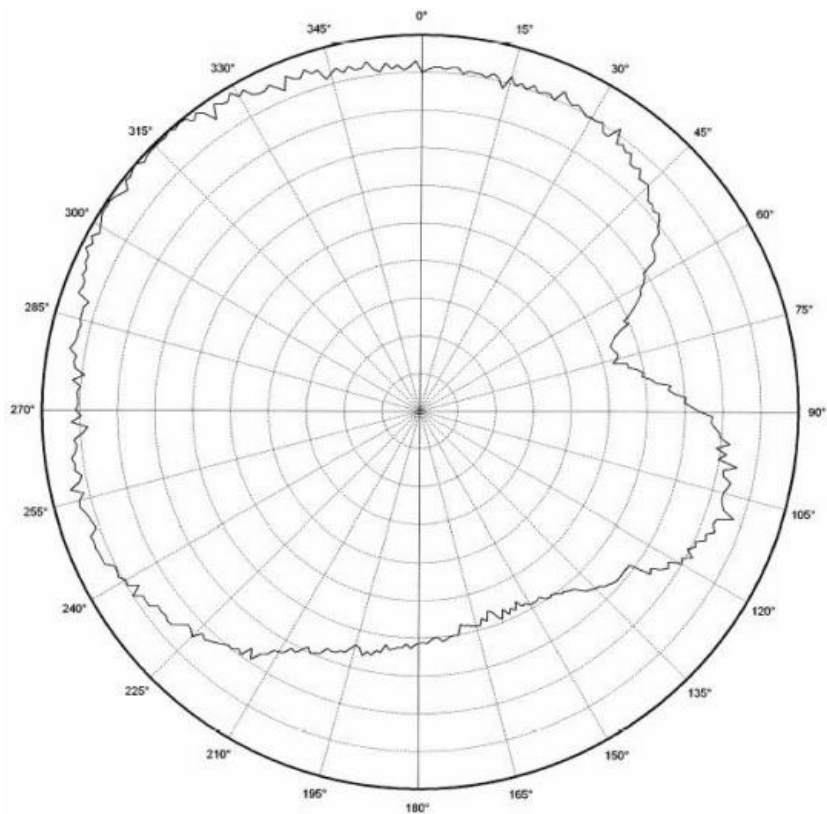


xz vertical

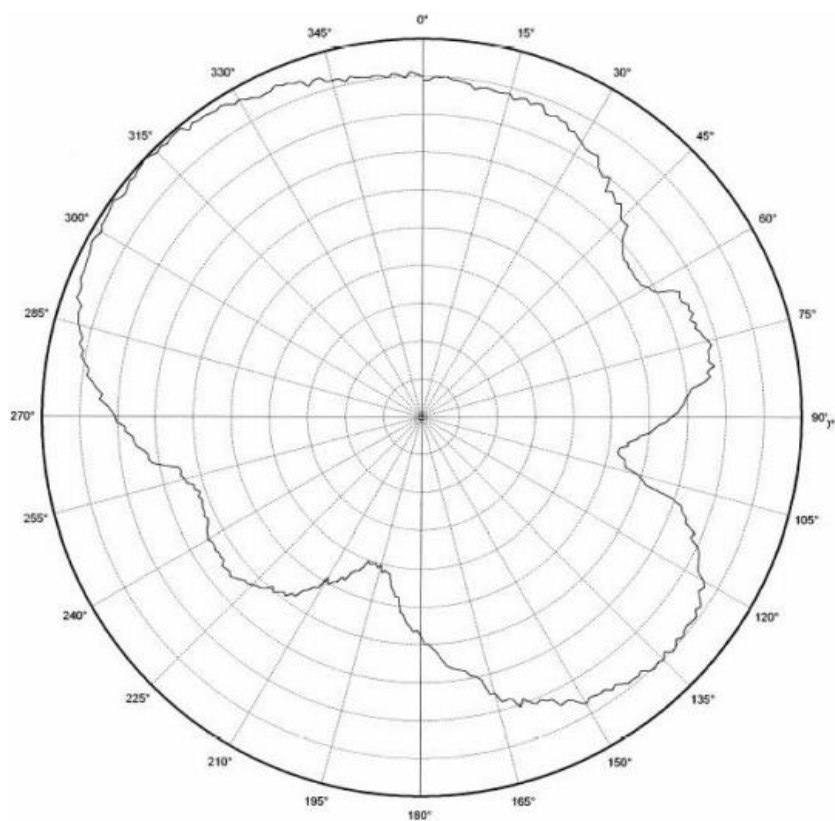


xz horizontal

YZ maximum position antenna gain frequency:2400MHz
Max:0.5 Min:-4.5 Scale:0.5/div



YZ vertical



YZ horizontal

Antenna Radiation Gain

Radiation Pattern		
Plane	Frequency [MHz]	Max Value [dB]
XY	2400	0.5 dBi
	2450	-0.5 dBi
	2500	0.1 dBi
XZ	2400	-1.5 dBi
	2450	-2.0 dBi
	2500	-3.2 dBi
ZY	2400	0.5 dBi
	2450	-0.5 dBi
	2500	0.0 dBi

Return loss

Frequency [MHz]	Return loss [dB]	VSWR
2400	-11.7 dB	1.75
2450	-31.9 dB	1.02
2500	-12.1 dB	1.65

