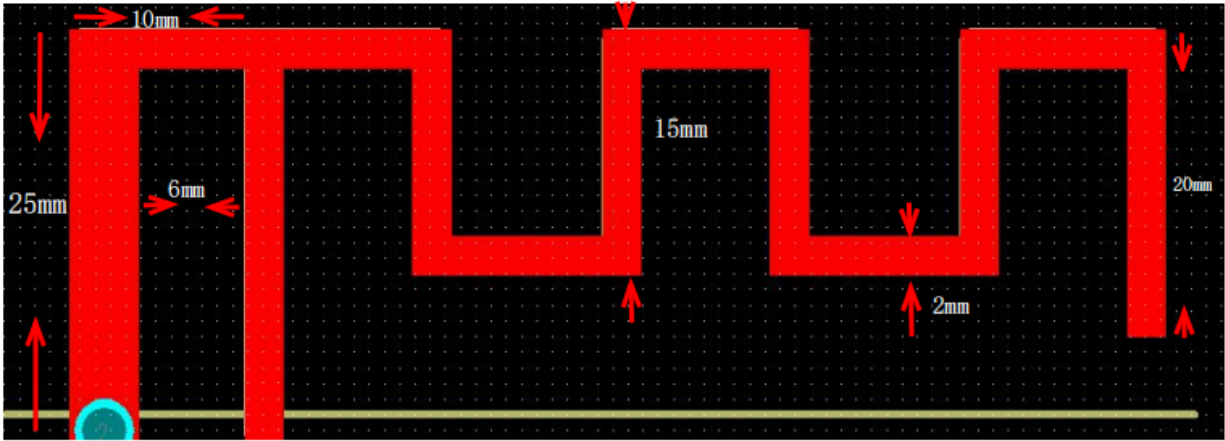


一、Dimensions



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

Manufacture's Name:Guangzhou Weiming Electronic Technology Co.,Ltd
Address:No. 15, Xinlian North Road, Renhe Town, Baiyun District,Guangzhou

三、 TEST

ANTENNA INFORMATION

- Antenna Type: PCB antenna
- Antenna Radiation Pattern

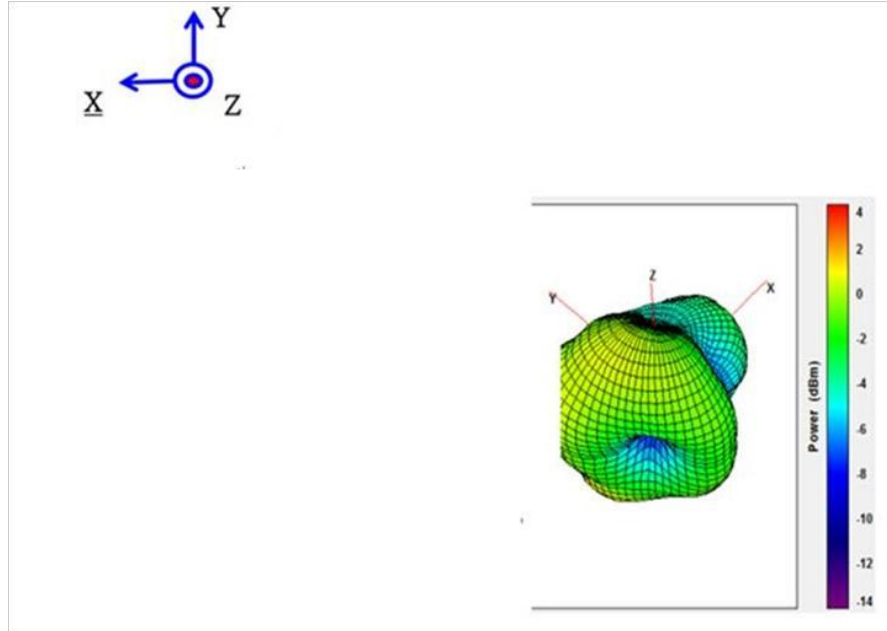
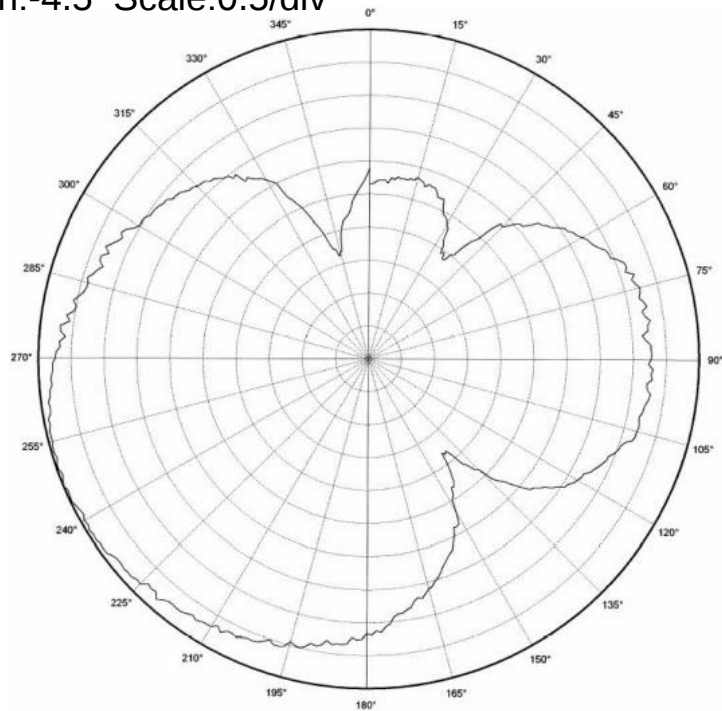


Figure 1: The Antenna to the Radiation Patterns

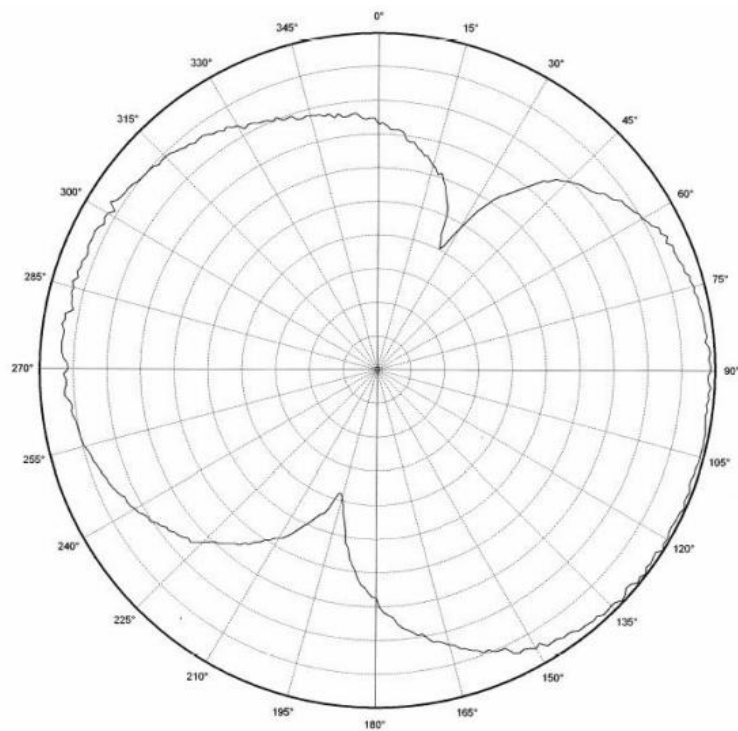
Horizontal:2400MHz 2450MHz 2500MHz

Power(dBm)

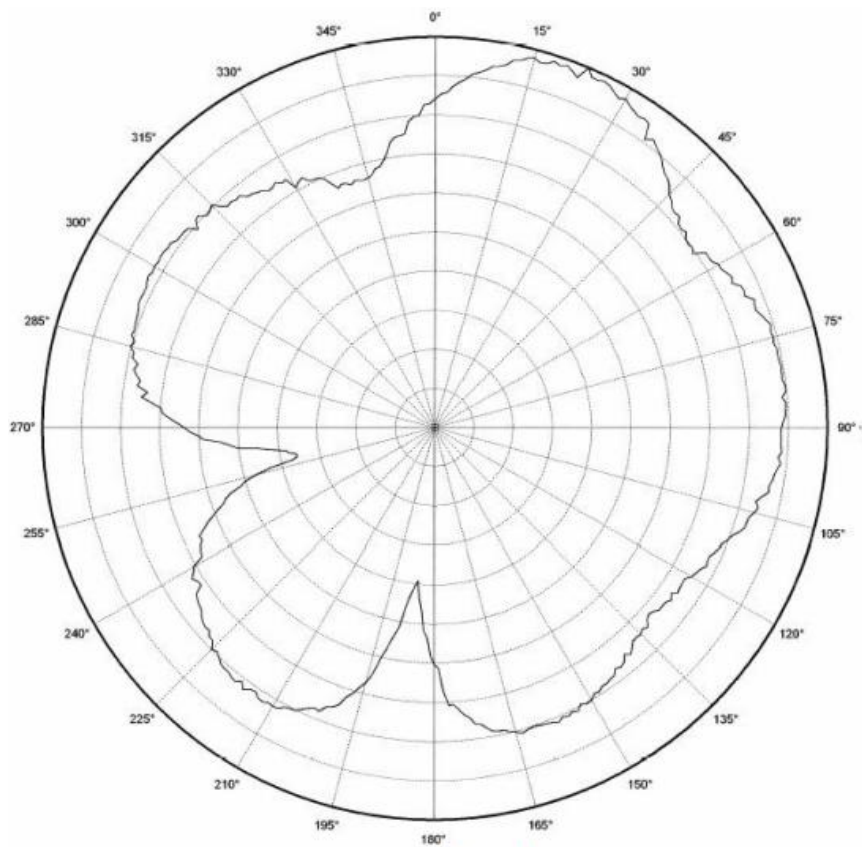
Max:0.5 Min:-4.5 Scale:0.5/div



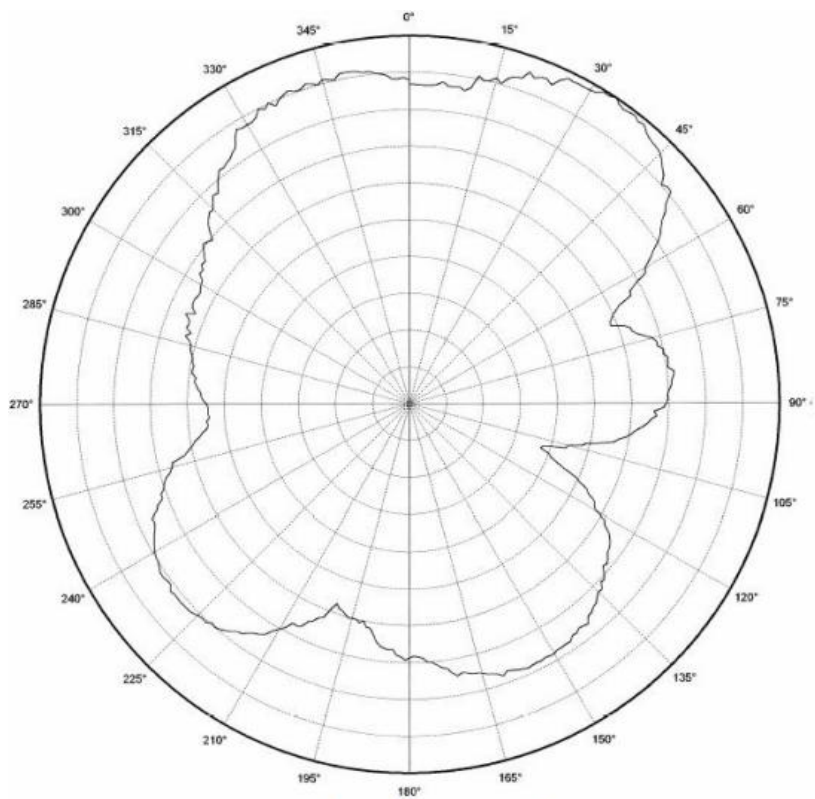
XY vertical



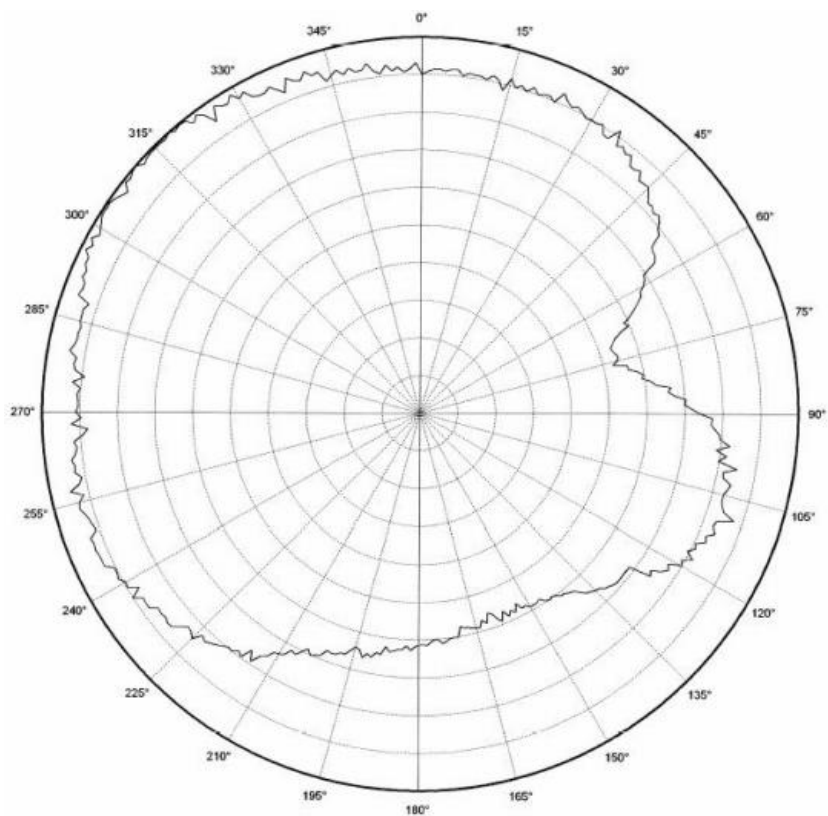
XY horizontal



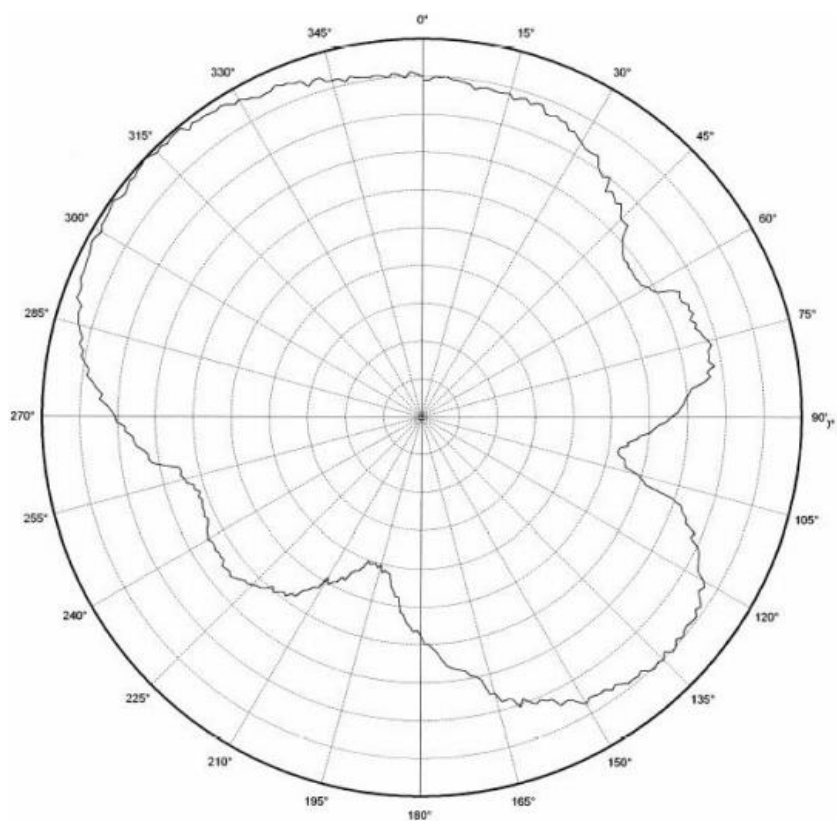
xz vertical



xz horizontal



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

