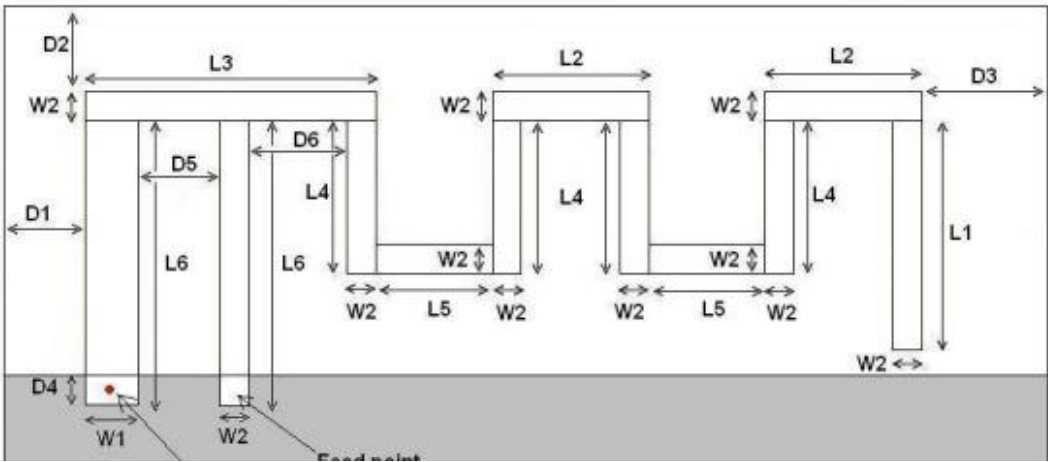


Antenna Performance Test Specification

Shenzhen RF-star Technology Co., Ltd.

Building 12, Skirt Building 50, Shenzhen Bay Science and Technology Ecological Park, No.18
Keji South Road, High tech Zone, Yuehai Street, Nanshan District, Shenzhen, China

一、Dimensions



•	In	mm	Photo
L1		3.94 mm	
L2		2.70mm	
L3		5.0mm	
L4		2.64mm	
L5		2.00mm	
L6		4.90mm	
W1		0.90mm	
W2		0.50mm	
D1		0.50mm	
D2		0.30mm	
D3		0.30mm	
D4		0.50mm	
D5		1.40mm	
D6		1.70mm	

二、General Specifications

Part Number	RF-BM-ND04_PCB_ANTENNA
Frequency Range	2400 - 2500 Mhz
Band Width	100MHz
Peak Gain	3.5 dBi
Return Loss	-10dB min.
VSWR	≤2.0
Antenna type	FR4_PCB_Antenna
Antenna size	15.2 x 5.7 mm

三、TEST

ANTENNA INFORMATION

- Antenna Type: PCB antenna
- Antenna Radiation Pattern

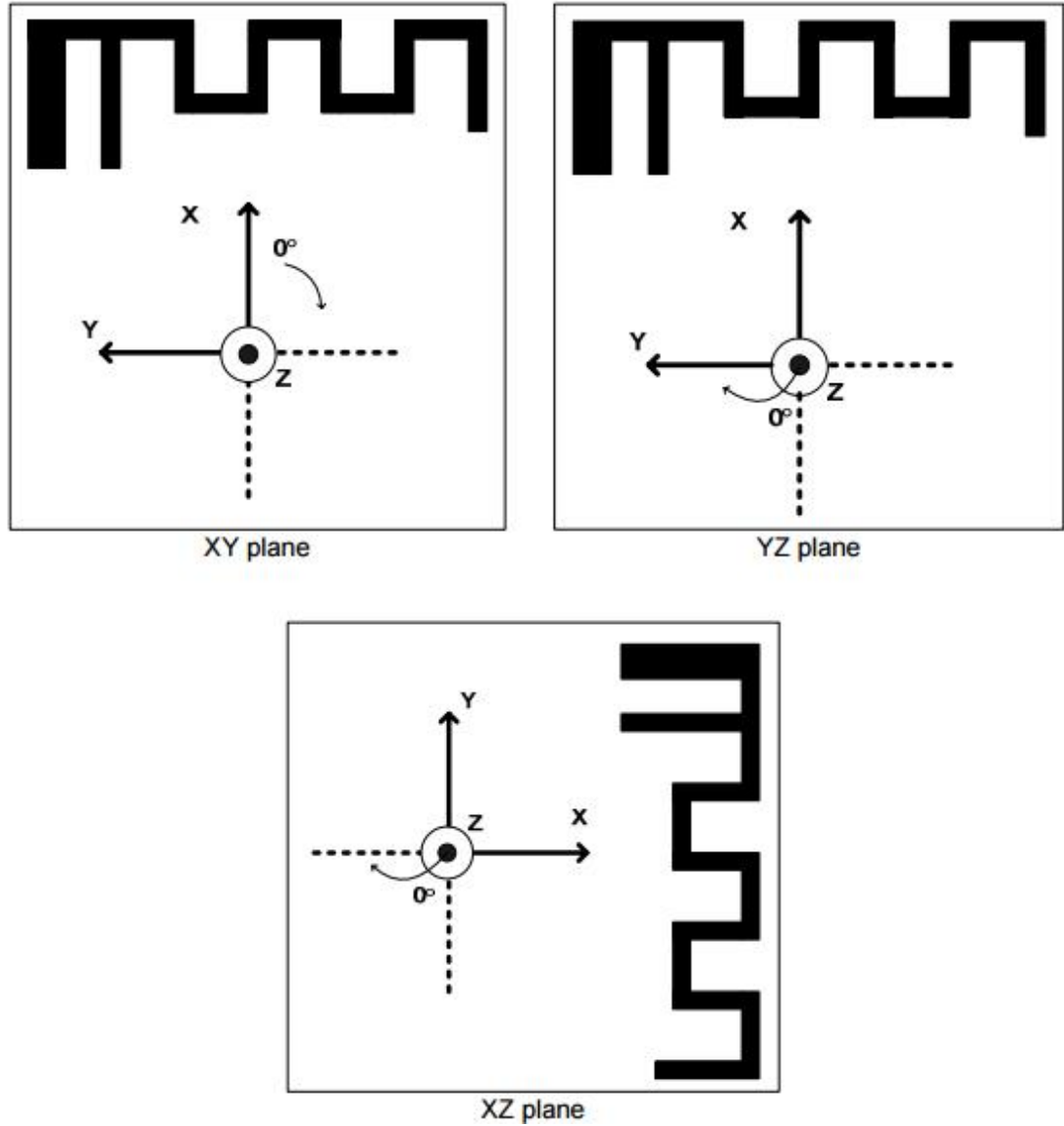
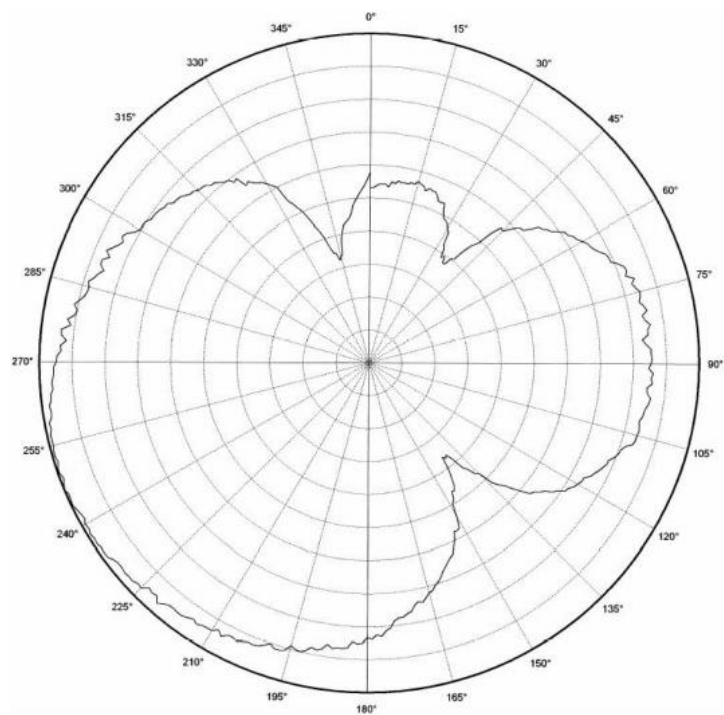
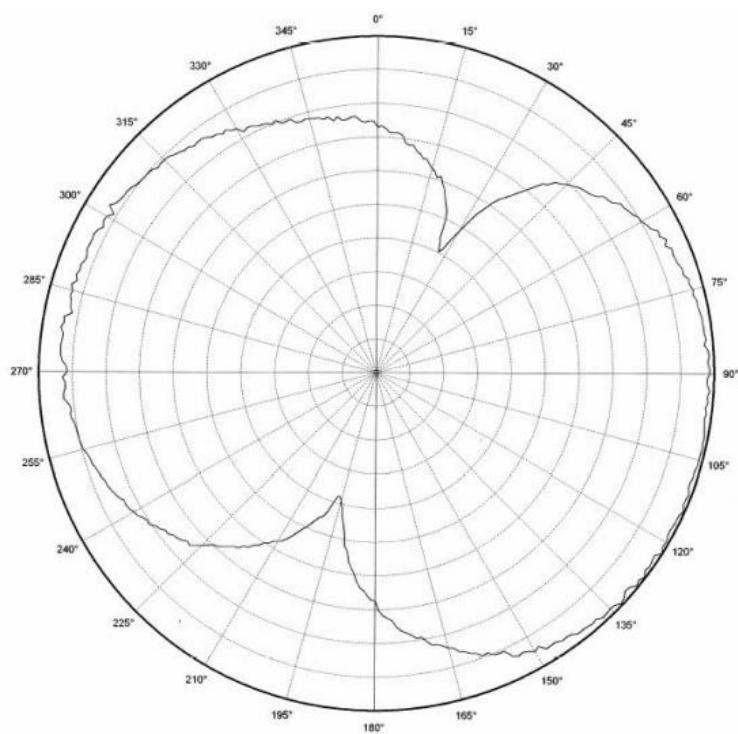


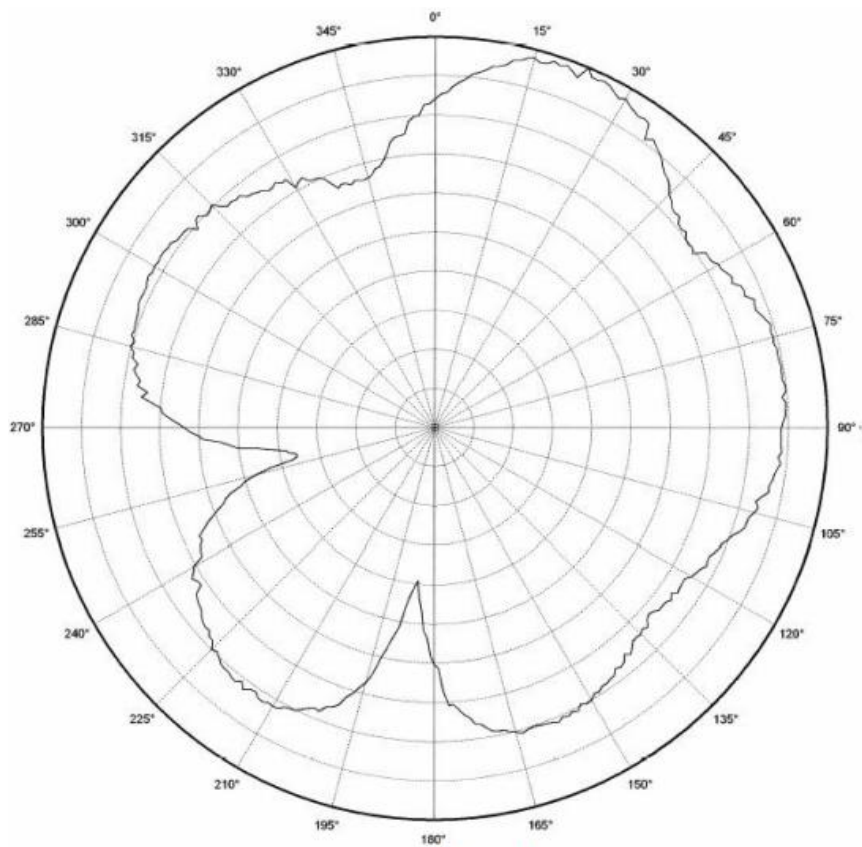
Figure 1: The Antenna to the Radiation Patterns



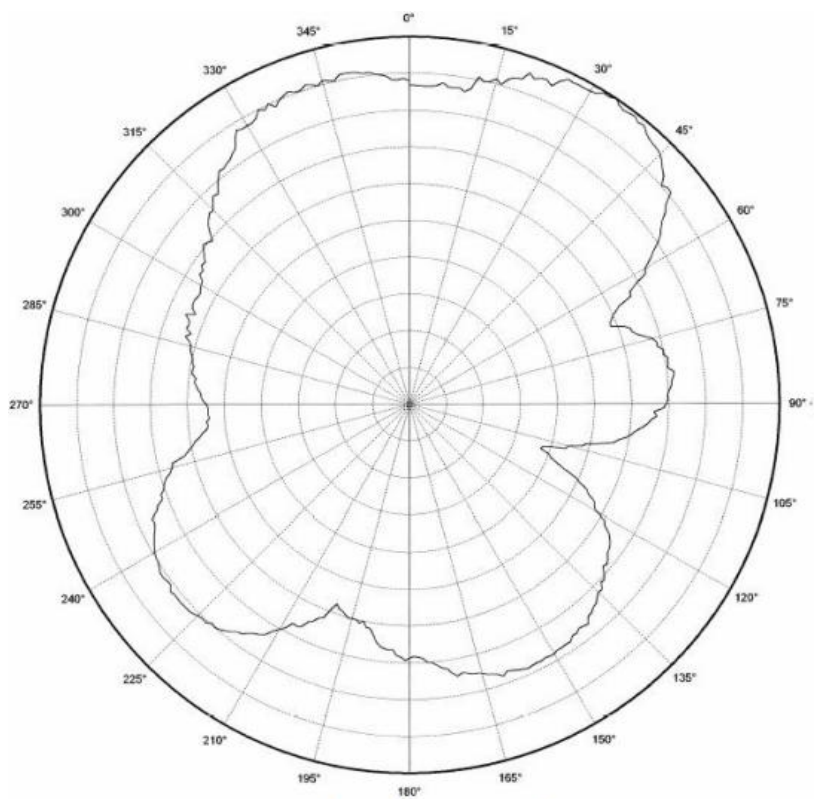
XY vertical



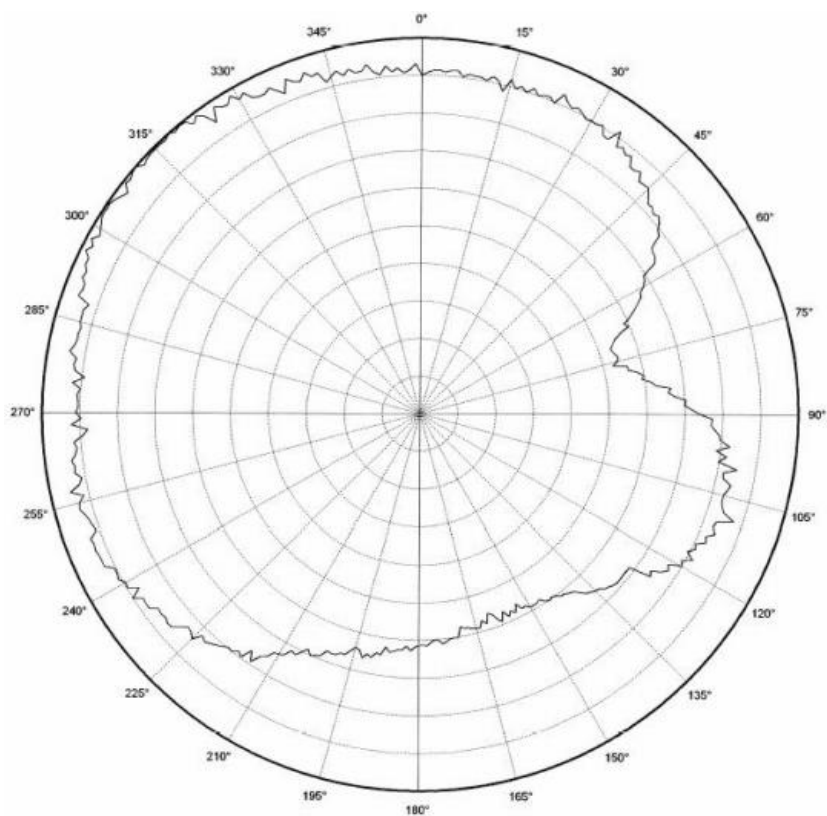
XY horizontal



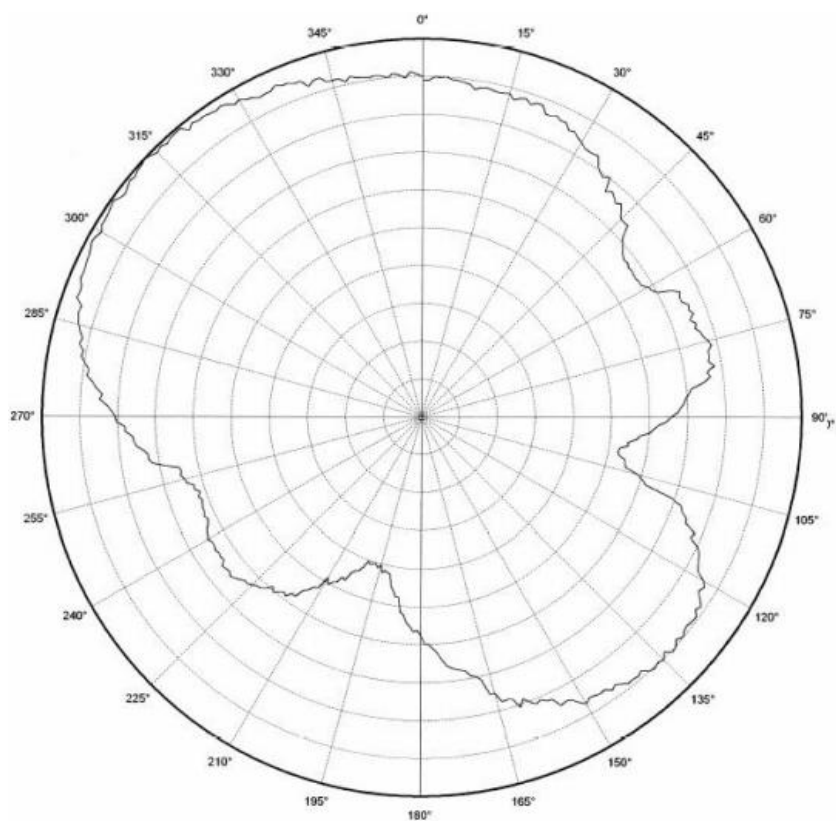
xz vertical



xz horizontal



YZ vertical



YZ horizontal

Antenna Radiation Gain

Radiation Pattern		
Plane	Frequency [MHz]	Max Value [dB]
XY	2400	3.5 dBi
	2450	2.5 dBi
	2500	3.1 dBi
XZ	2400	1.5 dBi
	2450	1.0 dBi
	2500	-0.2 dBi
ZY	2400	3.5 dBi
	2450	2.5 dBi
	2500	3.0 dBi

Return loss

Frequency [MHz]	Return loss [dB]
2400	-11 dB
2450	-16 dB
2500	-10 dB

