

# Antenna specifications

Antenna type: PCB Antenna

Antenna model: 90572

ANT Frequency: 2400-2500MHz

ANT Gain: 0.5dBi

manufacturer: OSM HUIZHOU LIMITED

add.: A02, Taixiang Road, High-tech Industrial Park, Sandong

Town, Huicheng District Huizhou, Guangdong Province, P.R.C 516025

## 1、 Antenna size



## 2、 Gain

MAX. Gain: 0.5 dBi

Test Result (Gain)

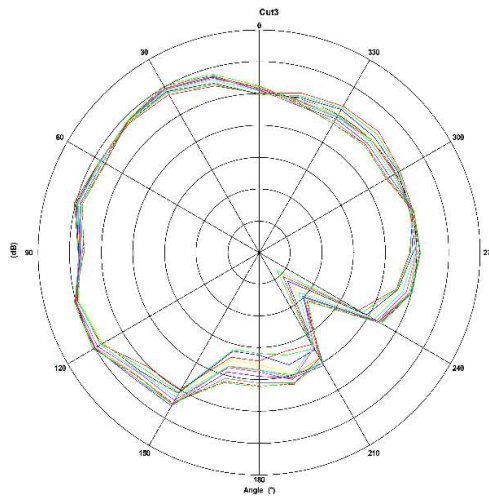
Frequency (MHz)	Ant Polarization	Max Gain (dBi)
V	-5.11	2400
H	0.5	
V	-7.28	2450
H	0.31	
V	-6.36	2500
H	0.35	

## 3、 Efficiency Table

Freq_MHz	Gain(dBi)	Efficiency (dB)	Efficiency_ (%)
2400	-0.1	2.51	29.51%
2410	-0.11	1.89	28.32%
2420	-0.14	1.51	27.65%
2430	-0.12	1.43	29.97%
2440	0.5	1.01	26.89%
2450	-0.18	0.90	25.13%
2460	-0.16	0.69	25.87%
2470	-0.23	0.10	23.71%
2480	-0.33	0.18	24.51%
2490	-0.38	0.11	23.12%
2500	-0.36	0.23	23.43%

# 4、 Antenna Pattern

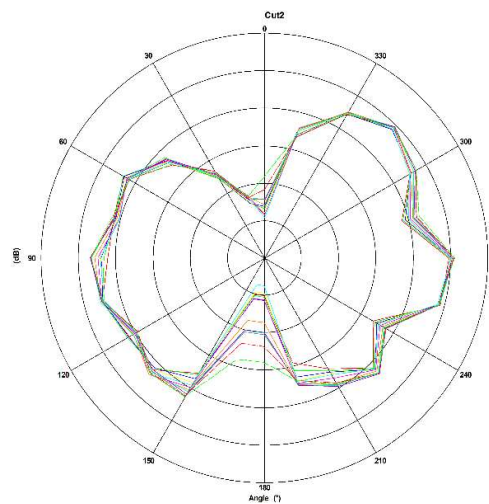
Phi=0. png



Max: 5  
Min: -25  
Scale: 9db

2290 MHz  
2300 MHz  
2410 MHz  
2420 MHz  
2430 MHz  
2440 MHz  
2450 MHz  
2460 MHz  
2470 MHz  
2480 MHz  
2490 MHz  
2500 MHz

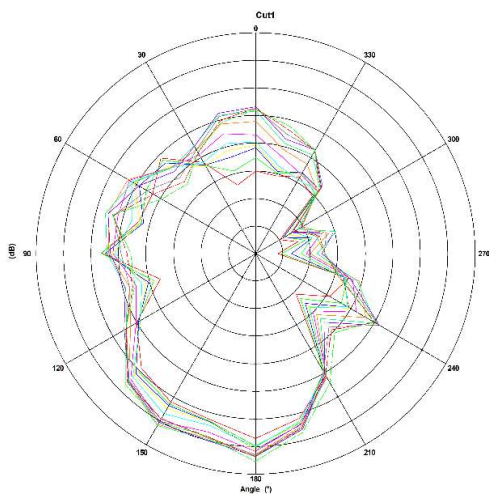
Phi=90. png



Max: 5  
Min: -25  
Scale: 9db

2290 MHz  
2300 MHz  
2410 MHz  
2420 MHz  
2430 MHz  
2440 MHz  
2450 MHz  
2460 MHz  
2470 MHz  
2480 MHz  
2490 MHz  
2500 MHz

\_Theta=90. png



Max: 1  
Min: -7  
Scale: 16db

2290 MHz  
2300 MHz  
2410 MHz  
2420 MHz  
2430 MHz  
2440 MHz  
2450 MHz  
2460 MHz  
2470 MHz  
2480 MHz  
2490 MHz  
2500 MHz