

PCB Antenna Specifications

1.PCB Antenna Profile

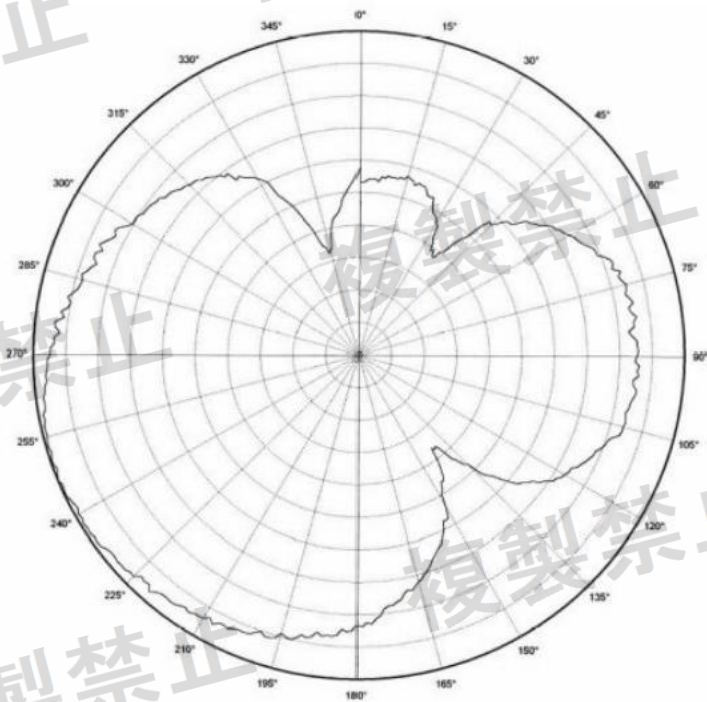
Manufacturer:Beijing winshow technology co.,ltd
Model:MDBT11-ANT-OB
Type:On board
Material:FR4
Thickness:1.0mm
Others:Blue oil Covered

2.electrical specifications

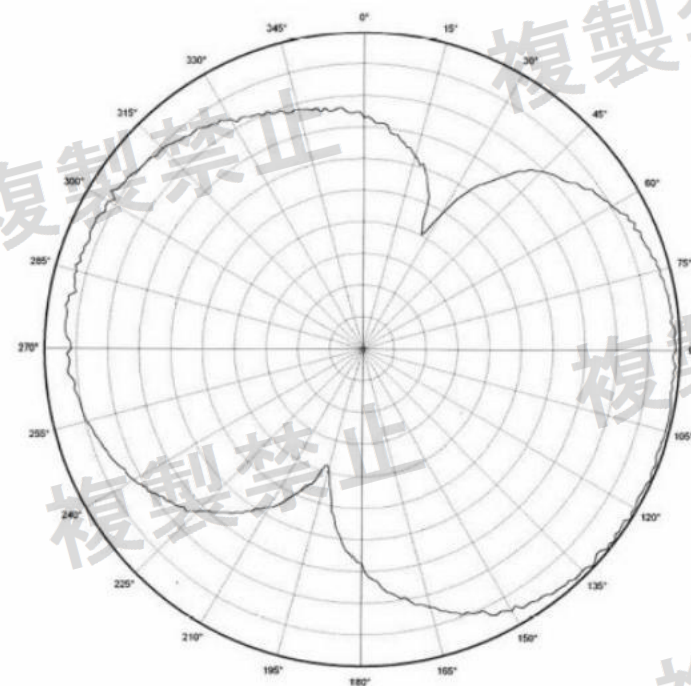
table 1 electrical specifications

Frequency Rang (MHz)	2400-2500
Bandwidth (MHz)	10
Input Impendence (Ω)	50
V. S. W. R	<2
Gain (dBi)	0.99

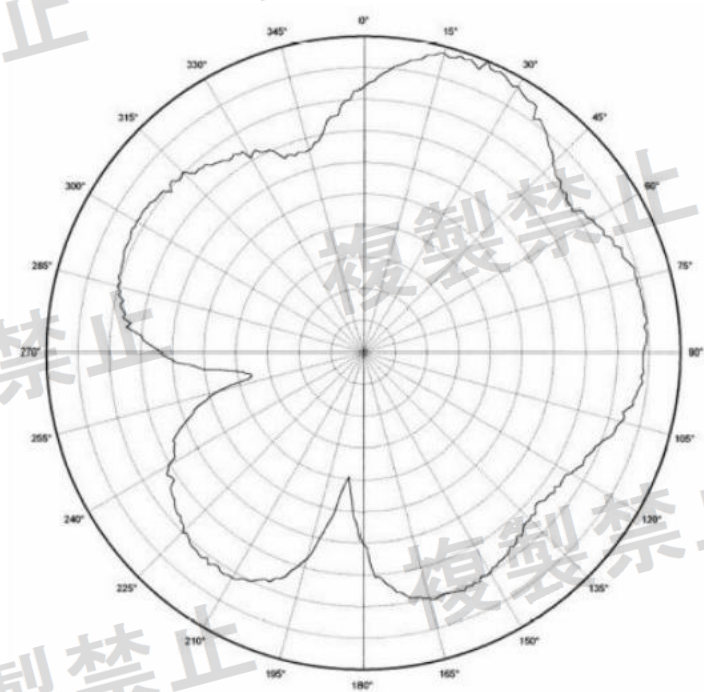
Frequency [Mhz]	Peak [dBi]	Average [dBi]	Effiency [%]
2400	0.77	-3.76	42.11
2410	0.81	-3.73	42.32
2420	0.99	-3.71	42.53
2430	0.86	-3.70	42.66
2440	0.74	-3.68	42.84
2450	0.57	-3.62	43.45
2460	0.68	-3.57	43.94
2470	0.63	-3.58	43.84
2480	0.85	-3.50	44.68
2490	0.96	-3.40	45.73
2500	1.25	-3.33	46.43



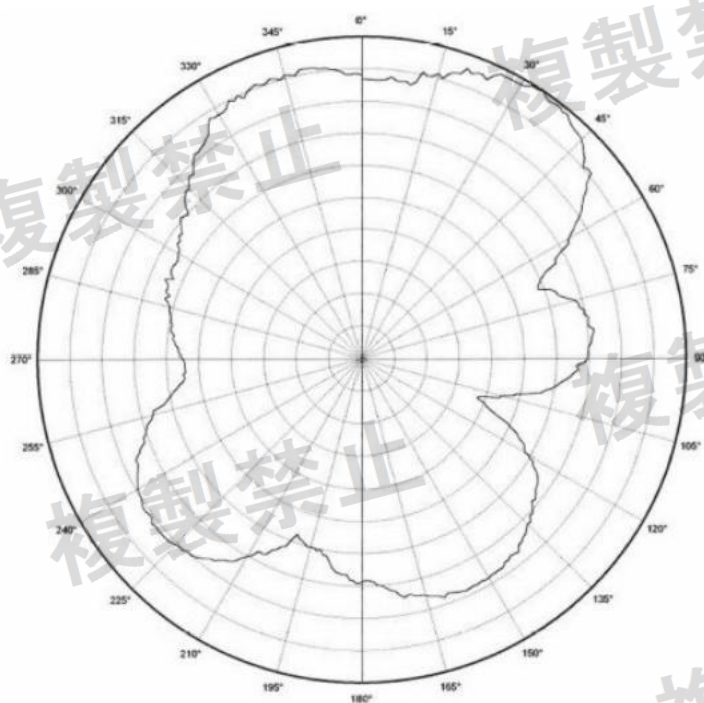
Pic 1XY Polarization,-2.5dBm



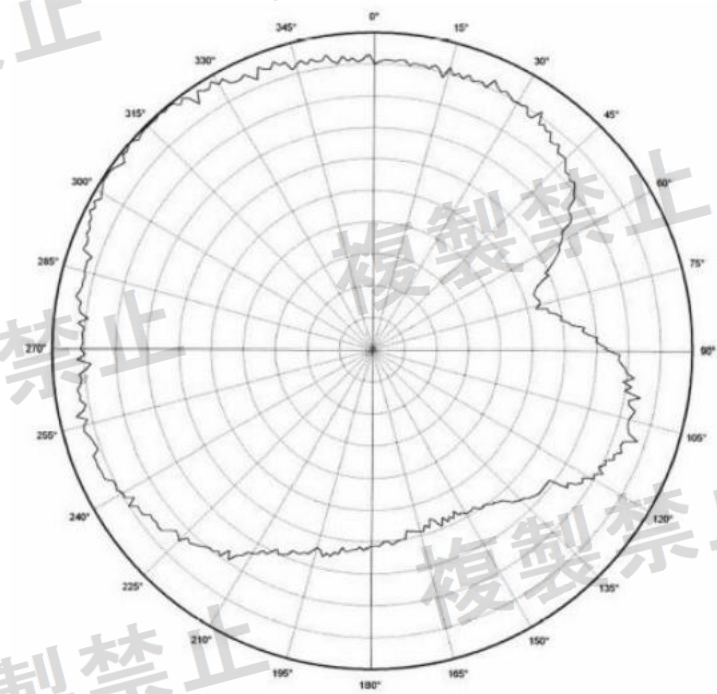
Pic 2XY Polarization,9.5dBm



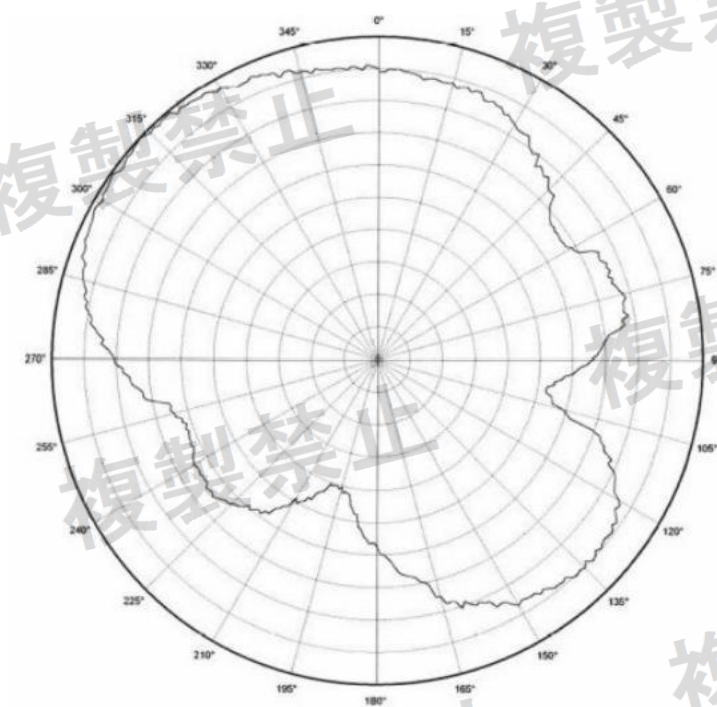
Pic 3XZ Polarization,2.2dBm



Pic 4 XZ Polarization,5.3dBm



Pic 5YZ Polarization,5.3dBm



Pic6 YZ Polarization,-1.2dBm

3.environmental specifications

table 2 environmental specifications

Temperature Rang(℃)	-40~85
Humidity Range (%)	<60

4.mechanical drawing

Unit:mm

