

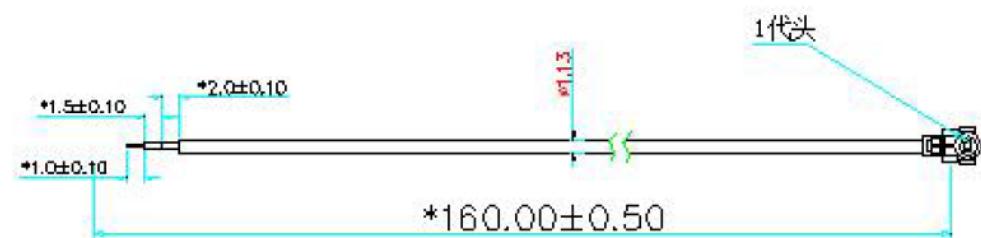
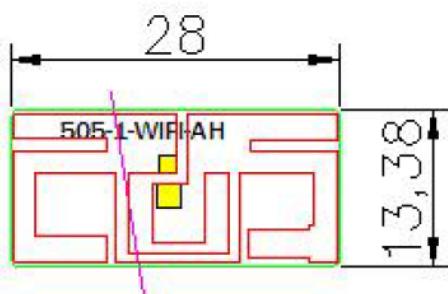
## Product specification

### Quick Reference Date

	FPC 天线
Model	GDT-SL--70
Frequency	2400~2500,
Ant. Port Input Pwr. (dBm)	0
Tot. Rad. Pwr. (dBm)	-2.3 (Input pwr – loss pwr)
Peak EIRP(dBm)	1.3
Directivity (dBi)	1 (all direction antenna)
Efficiency (dB)	-2.3 (58.5%)
Gain (dBi)	0 (Peak Gain XY-plane)
Maximum Power (dBm)	0 (XY-plane)
Minimum Power (dBm)	-4(XY-plane)
Avg. Power (dBm)	-0.5(XY-plane)
Average Gain (dB)	-0.5 (Avg Gain XY-plane)
Manufacturer:	Becool Technology (Shenzhen) Co., Ltd.
Address	3F, Building E, Fenda High-tech Park, Sanwei Community, Hangcheng Baoan Dist., Shenzhen, Guangdong Province, China

All the technical data and information contained herein are subject to change without prior notice

## Antenna layout on the Module board(mm)



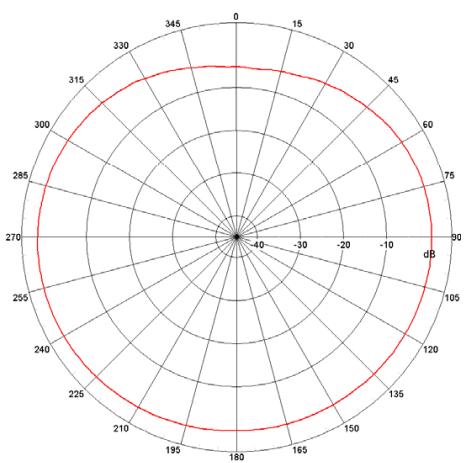
## Antenna Gain

### Gain Table

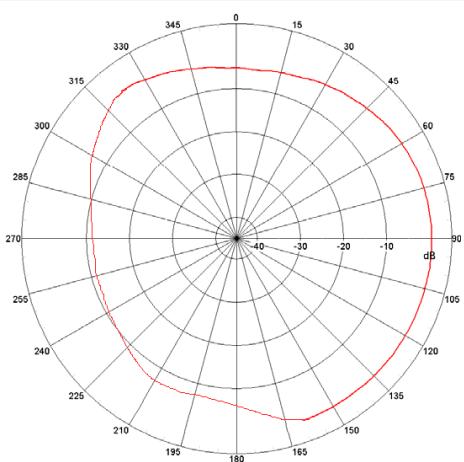
Unit in dBi @2400~2500MHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module board	0.0	-0.5	-0.3	-0.9	-1.3	-2.7	58.5%

## XY-plane

Far-field Power Distribution(H+V) on X-Y Plane  
Plot Peak Gain(H+V)= 0 dBi;  
Plot AvgGain(H+V)=-0.50dBi @2400 MHz

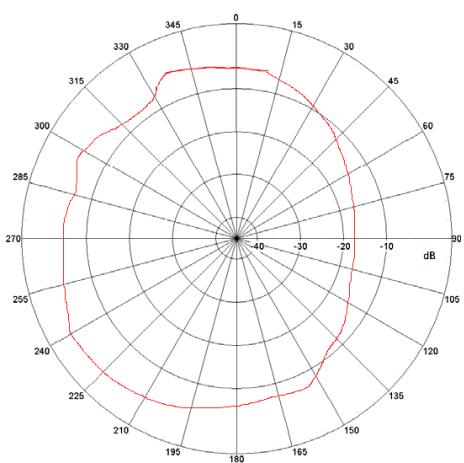


Far-field Power Distribution(H+V) on X-Y Plane  
Plot Peak Gain(H+V)= -0.70 dBi;  
Plot AvgGain(H+V)=-2.73dBi @2450 MHz



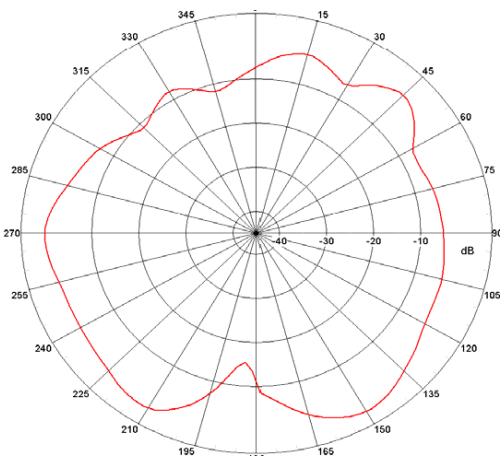
## XY-plane

Far-field Power Distribution(H+V) on X-Y Plane  
Plot Peak Gain(H+V)= -1.15 dBi;  
Plot AvgGain(H+V)=-1.14dBi @2500 MHz



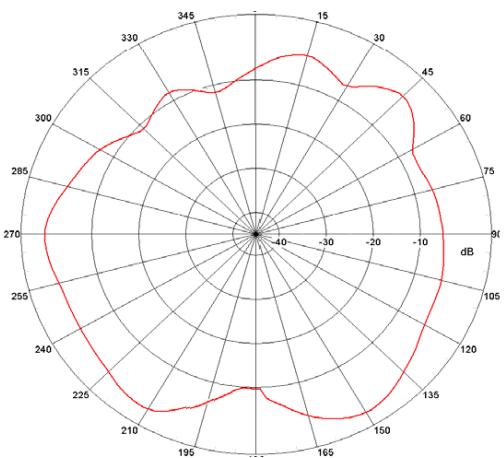
## XZ-plane

Far-field Power Distribution(H+V) on X-Z Plane  
Plot Peak Gain(H+V)=-0.30 dBi;  
Plot AvgGain(H+V)=-0.90dBi @2400 MHz



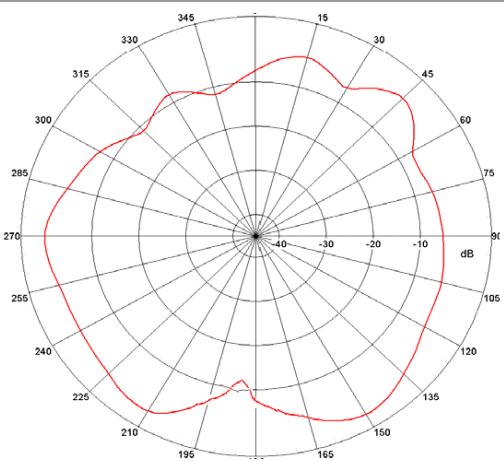
## XZ-plane

Far-field Power Distribution(H+V) on X-Z Plane  
Plot Peak Gain(H+V)=-1.89 dBi;  
Plot AvgGain(H+V)=-2.54dBi @2450 MHz



## XZ-plane

Far-field Power Distribution(H+V) on X-Z Plane  
Plot Peak Gain(H+V)=-1.67 dBi;  
Plot AvgGain(H+V)=-2.68dBi @2500 MHz

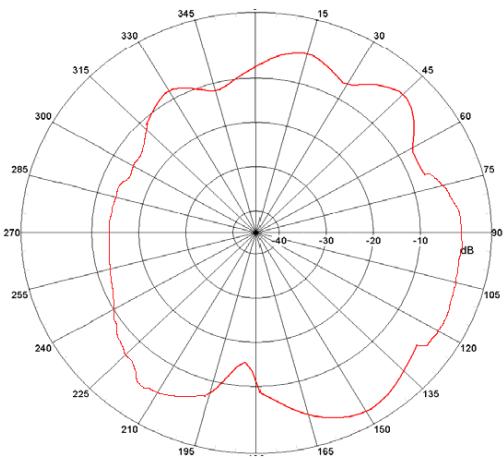


## YZ-plane

Far-field Power Distribution(H+V) on X-Z Plane

Plot Peak Gain(H+V)=-1.3 dBi;

Plot AvgGain(H+V)=-2.70dBi @2400 MHz)

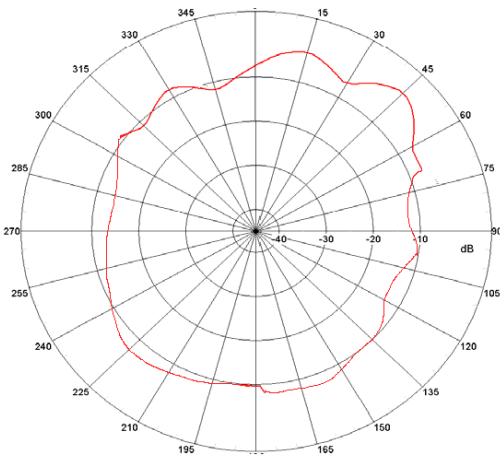


## YZ-plane

Far-field Power Distribution(H+V) on X-Z Plane

Plot Peak Gain(H+V)=-1.76 dBi;

Plot AvgGain(H+V)=-2.87dBi @2450 MHz)

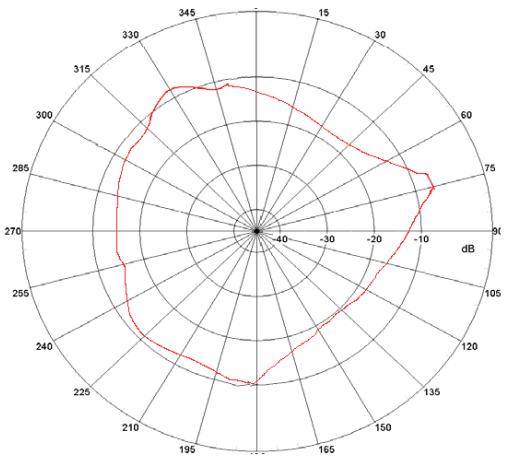


## YZ-plane

Far-field Power Distribution(H+V) on X-Z Plane

Plot Peak Gain(H+V)=-2.17 dBi;

Plot AvgGain(H+V)=-3.32dBi @2500 MHz)



### 3D radiation pattern diagram

