

Antenna Specification

Quick Reference Data

Antenna module on the system board	
Antenna type	Electronic wire
Frequency	2420MHz-2462MHz
Model	2501-TDS01555(8082-W)
Manufacturer	Dongguan shengyao electronic technology co., LTD
Ant.Port Input Pwr. (dBm)	0
Tot.Rad.Pwr. (dBm)	0
Peak EIPR (dBm)	0
Directivity (dBi)	0
Efficiency (dB)	0
Gain (dBi)	0
Maximum Power (dBm)	0
Minimum Power (dBm)	0
Avg. Power (dBm)	0
Max/Min Ratio (dB)	0
Max/Avg Ratio (dB)	0
Min/Avg Ratio (dB)	0
Average Gain (dB)	0

Antenna Layout module on the system board

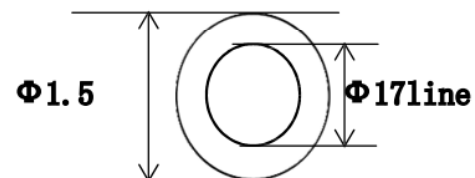
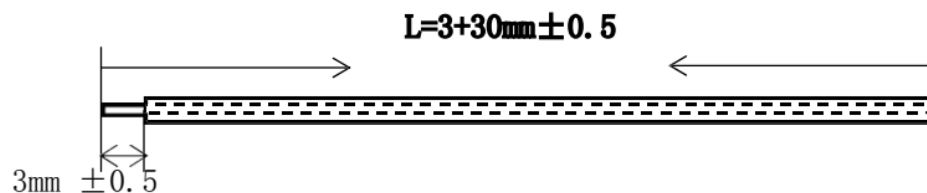


Antenna Gain

Gain Table

Unit in dbi @2.44GHz	(XY-Plane) B19		XZ-plane		YZ-plane		Efficiency
	Peak	Avg	Peak	Avg	Peak	Avg	
Module Board	0	0	0	0	0	0	0

REV	DESCRIPTION	DATE
A	Original version	2019/8/5



Remark:

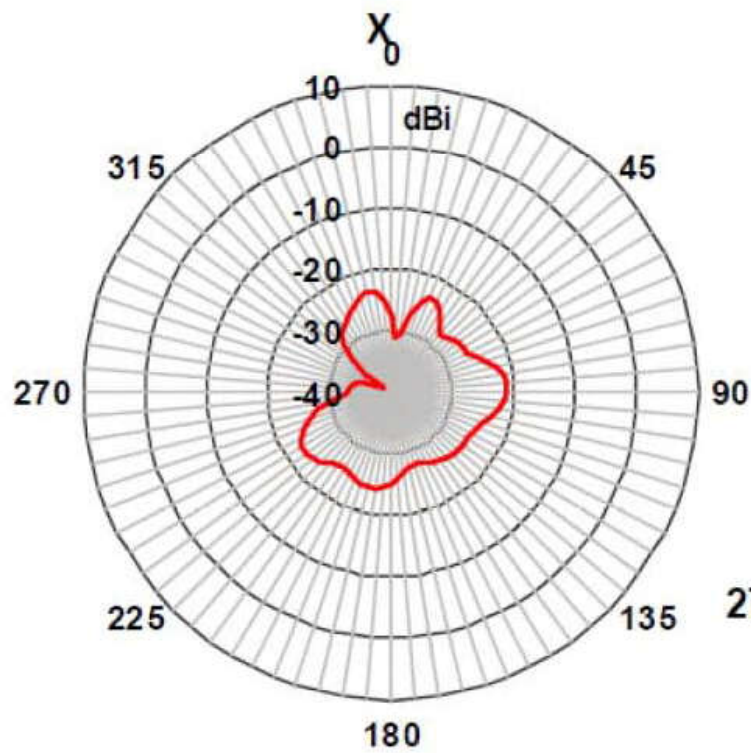
1	The outer skin is made of PE material, which meets the environmental requirements of ROHS2.0, REACH, and PHTALATES
2	Specification: 17/1.5PE transparent tinned copper wire.
3	Length: $3+30\text{mm}\pm 0.5$.
4	3+0 opening, with an error of ± 0.5 .

Customer: Dongguan Sheng Ma Gui ElectronicToys Co, Product name: Antenna Material number: W1.1715-033-9998 Graphic number: 000

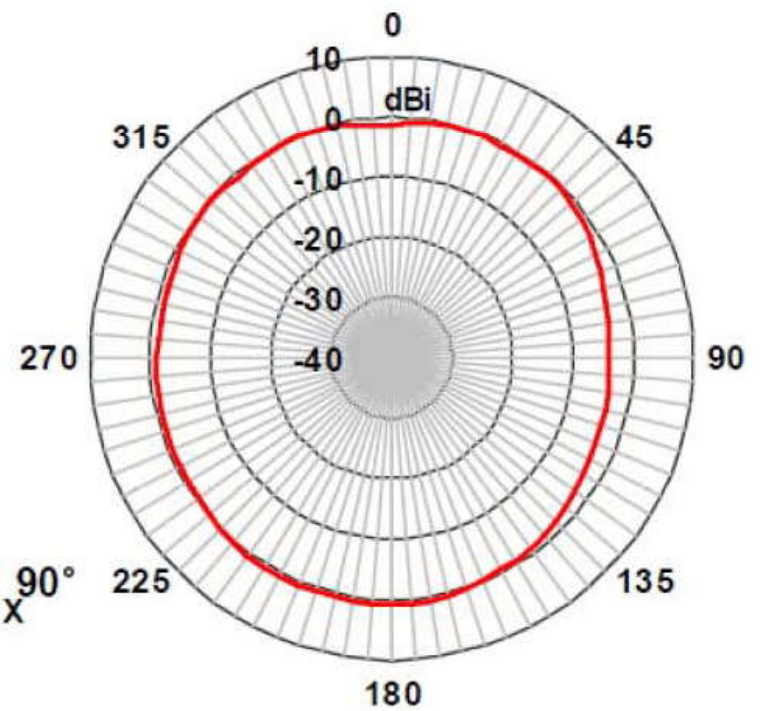
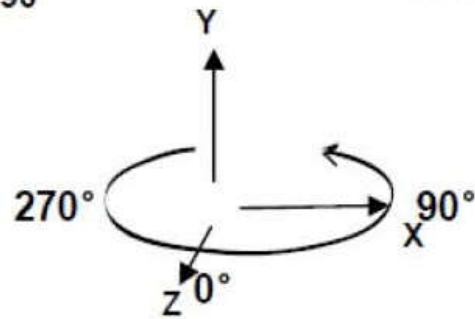
Dongguan shengyao electronic technology co., LTD	Auditor	Lisa	Confirm	Tony	Draftsman	SK	Edition	A	SHEET: 1/1	UNIT: MM
							Revision	000	SCALE: NONE	

Radiation Pattern

ZX-Plane



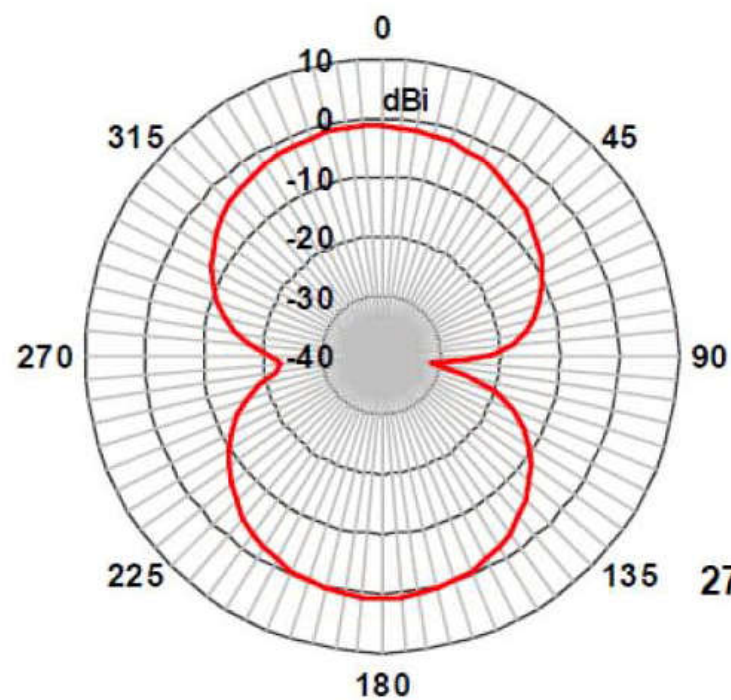
Horizontal Polarization



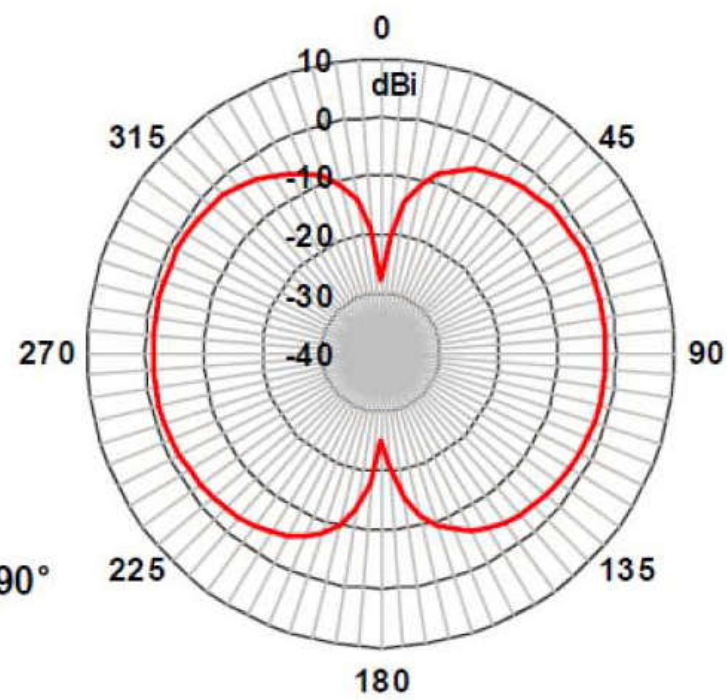
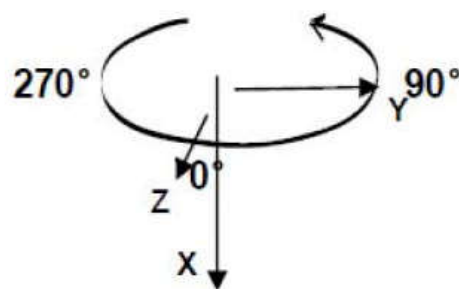
Vertical Polarization

Radiation Pattern

ZY-Plane



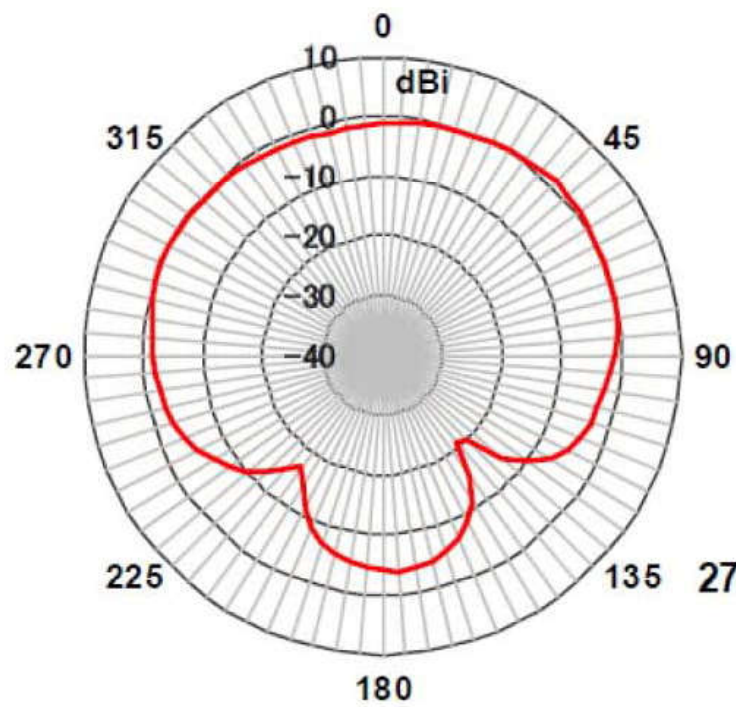
Horizontal Polarization



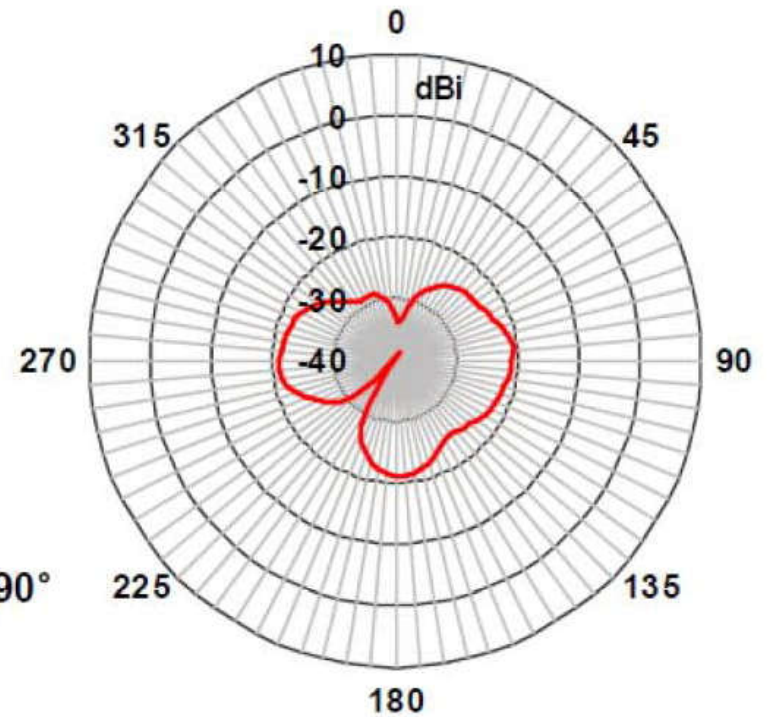
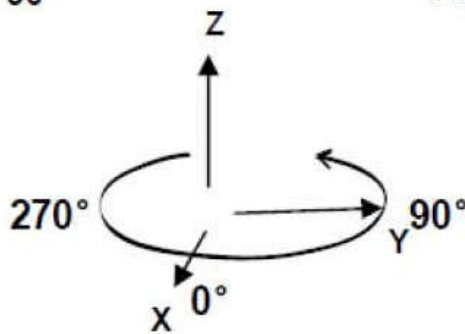
Vertical Polarization

Radiation Pattern

XY-Plane



Horizontal Polarization



Vertical Polarization