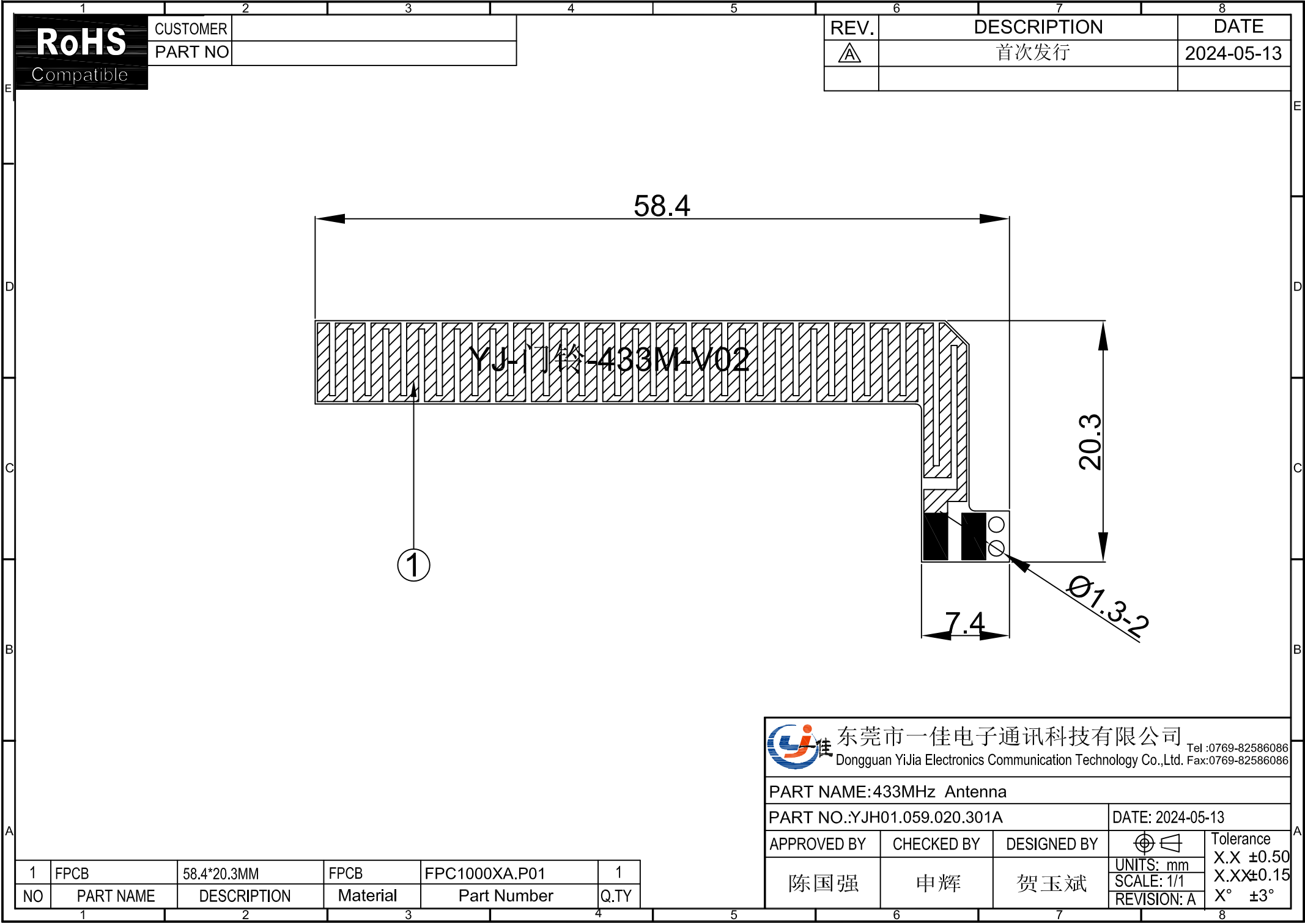




RoHS
Compatible

CUSTOMER	
PART NO	

REV.	DESCRIPTION	DATE
	首次发行	2024-05-13

1	FPCB	58.4*20.3MM	FPCB	FPC1000XA.P01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY



东莞市一佳电子通讯科技有限公司
Dongguan YiJia Electronics Communication Technology Co.,Ltd. Tel :0769-82586086 Fax:0769-82586086

PART NAME:433MHz Antenna			
PART NO.:YJH01.059.020.301A			DATE: 2024-05-13
APPROVED BY	CHECKED BY	DESIGNED BY	 Tolerance X.X ±0.50 X.XX±0.15 X° ±3°
陈国强	申辉	贺玉斌	
UNITS: mm			
SCALE: 1/1			
REVISION: A			



天线规格

Antenna Specification

Electrical Properties

Frequency	433MHz
Impedance	50 Ohm Nominal
V.S.W.R	3.5 Max
Gain	-3.6 dBi
Radiation	Omni-directional
Polarization	Linear

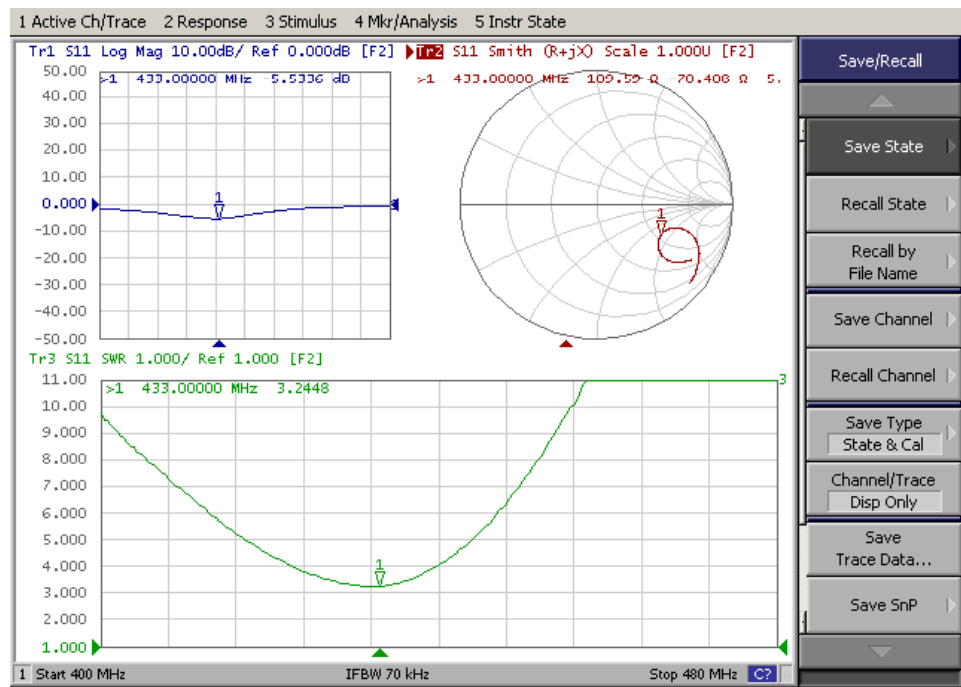
Physical Properties

Connector	None
Cable Type	None
Cable Length	None
Cable Color	None
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	-20 ~ +70°C / <70%



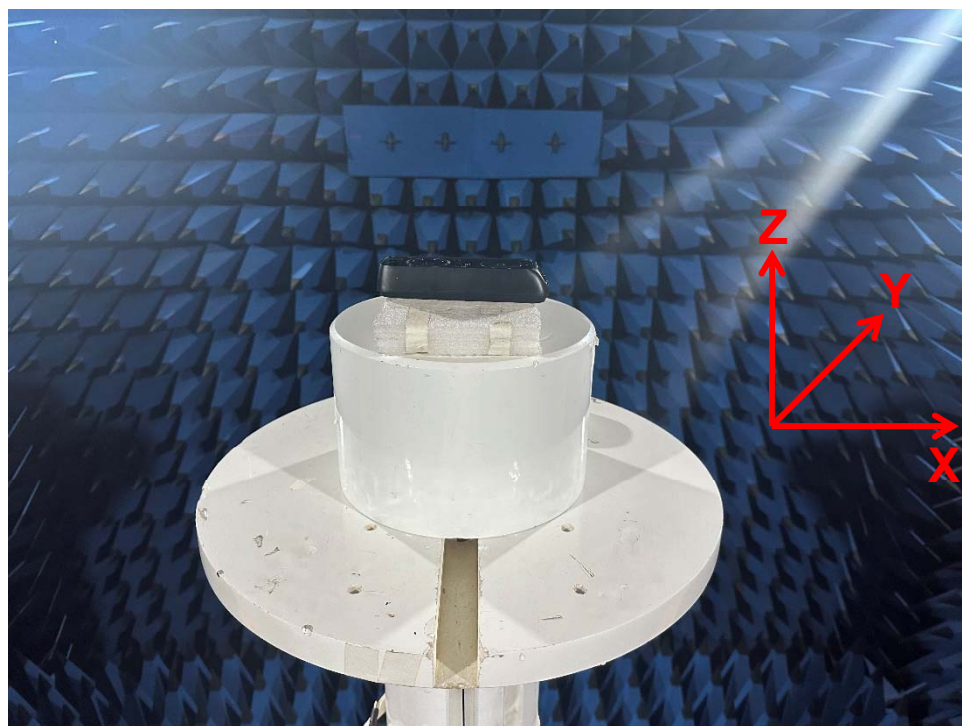
Antenna Performance Test

**Agilent
E5071B
S11
Parameter
Test //
433MHz
Antenna**





Antenna Passive Test





Passive Test For 433MHz Antenna

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
430	8.4	-10.8	-5.4
431	8.5	-10.7	-4.8
432	10.5	-9.8	-4.1
433	12.6	-9.0	-3.7
434	13.6	-8.7	-3.6
435	11.6	-9.3	-4.0
436	10.7	-9.7	-4.6
437	9.8	-10.1	-5.0
438	9.1	-10.4	-5.5
439	9.5	-10.2	-5.3
440	8.8	-10.6	-5.4