
SPECIFICATION FOR APPROVAL

Customer:

Customer's part number:

Product description: 2.4G rubber duck Antenna

Uni Link's part number: KXWX-2.4G-Z

Issue Date: 201911/07

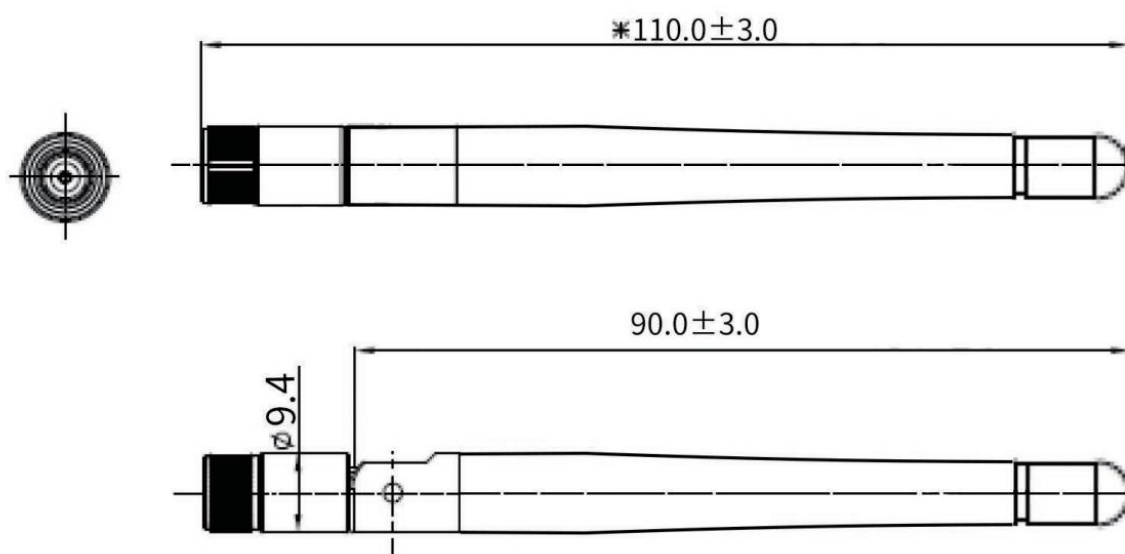
Note: 2400-2500MHz,SMA male

Customer Use		Customer's authorized signature	Remarks
Full approved			
Conditional approved			
Rejected			

一、Product parameters

Model	KXWX-433E-4
Main Technical Specifications	
Frequency Range (MHz)	2400-2500±5
Bandwidth (MHz)	10
VSWR	≤1.5
Gain (dBi)	3
Max Input power (W)	50
Input Impedance (Ω)	50
Polarization Type	Vertical
Antenna Size (mm)	110+/-5
Line Length (mm)	
Connector Type	SMA MALE

二、Product Specifications



1. Electrical Characteristic

	ITEM	TEST CONDITION	SPECIFICATION
1	VSWR	Using PROTEK A333 networking analyzer to measure Antenna S1 VSWR characteristics	PIC 1
2	Smith Chart	Using PROTEK A333 networking analyzer to measure Antenna S1 Smith Chart characteristics	PIC 2
3	Gain Response	Using PROTEK A333 networking analyzer to measure Antenna S1 Gain Response characteristics	

2. MECHANICAL CHARACTERISTICS

1	BENDING TEST	Put load 120g at the end of the wire, fixed joints, swaying test at an angle of 60 degrees , test features after 1000 times	No sign of damage
2	STRENG TEST	15 pounds of static load applied to the bottom of the actinomycetes end for one minute.	No sign of damage
3	PULLING FORCE	Pull test with a tension meter between connector and wire	No sign of damage
4	VIBRATION TEST	the X-axis direction for 120 minutes, and the Y-axis direction 120 minutes, the Z-axis direction 240 minutes as vibration testing of 1.1mm amplitude and 33.30Hz/sec of frequency	No sign of damage

3. DURABILITY

1	SAIT SPRAY TEST	Saline spray test: according to GB1266-86 standard Distilled water: a single distillation PH6.5~7 Amount of spray: 1.4me80cm ² /h Compressed air pressure: 1Kgf/ cm ² Test relative degree: 98° Temperature: 45° ~47° Pressure temperature: 35° Test time: 96hr	All characteristic range is 30% of the initial value
2	HEAT TEST	50 +/- 2 °C for 96 hours, after keep in normal condition for 30min the to test.	
3	HUMIDITY TEST	40+2°C 90-95%RH for 96hours, after keep in normal condition for 30min the to test.	
4	COLD TEST	-40+2°C for 96hours, after keep in normal condition for 30min the to test.	

PIC 1

