
SPECIFICATION FOR APPROVAL

Manufacturer: Shenzhen Kexin Wireless

Customer's part number:

Product description: 2.4G rubber duck Antenna

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

Issue Date: 201911/07

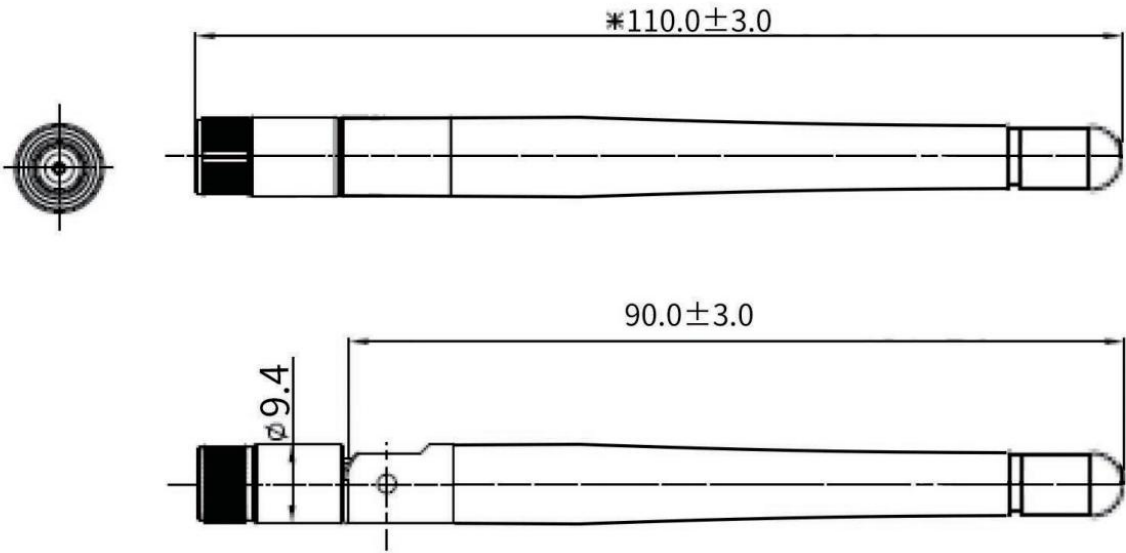
Note: 2400-2500MHz,SMA male

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

一、 Main Technical Specifications

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、 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 actinomyces 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

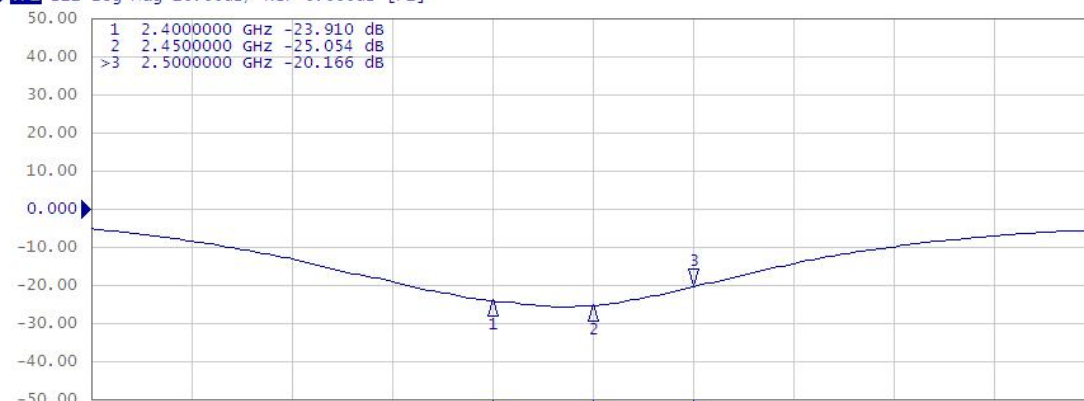
1	SAIT SPRAY TEST	Salt water spray test: in accordance with GB1266-86 Distilled water: one distillation PH6.5~7 Spray volume: 1.4me80cm ² /h Compressed air pressure: 1kgf/cm ² Relative test angle: 98° Temperature: 45°C~47°C Pressure and temperature: 35°C Testing time: 96 hours	All characteristic range is 30% of the initial value
2	HEAT TEST	50 +/- 2 °C for 96 hours, after keep in normal condition for 30mim the to test.	
3	HUMIDITY TEST	40+2°C 90-95%RH for 96hours, after keep in normal condition for 30mim the to test.	
4	COLD TEST	-40+2°C for 96hours, after keep in normal condition for 30mim the to test.	

E5071C Network Analyzer

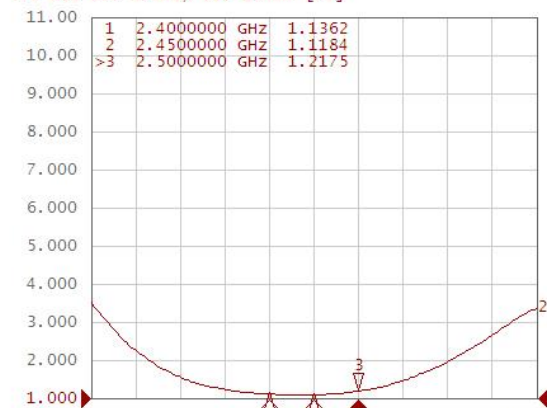
1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Resize

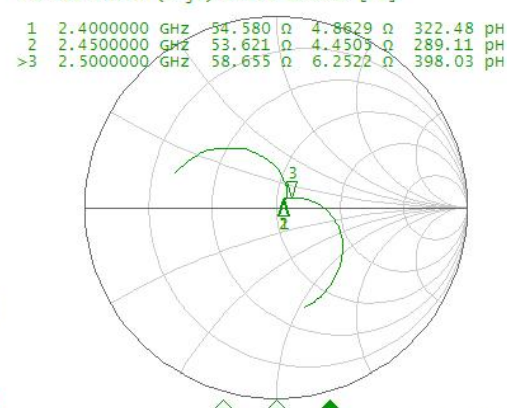
Tr1 S11 Log Mag 10.00dB/ Ref 0.000dB [F1]



Tr2 S11 SWR 1.000/ Ref 1.000 [F1]



Tr3 S11 Smith (R+jX) Scale 1.000u [F1]



System

Print

Abort Printing

Printer Setup...

Invert Image

ON

Dump

Screen Image...

Multiport Test Set
Setup

Misc Setup

Backlight

ON

Firmware

Revision

Service Menu

Help

Return