
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

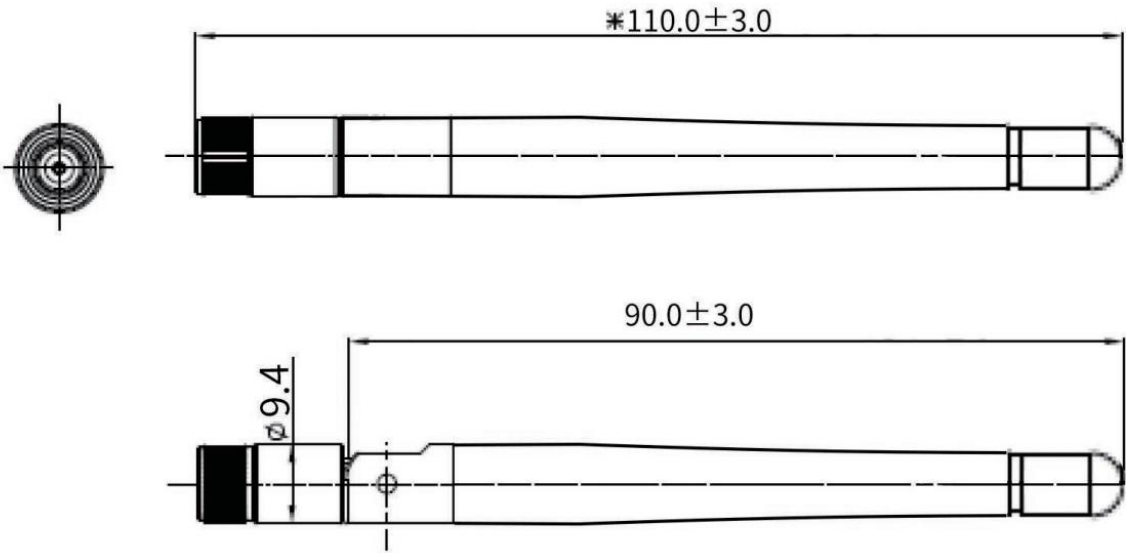
Note: 2400-2500MHz,SMA male

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 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

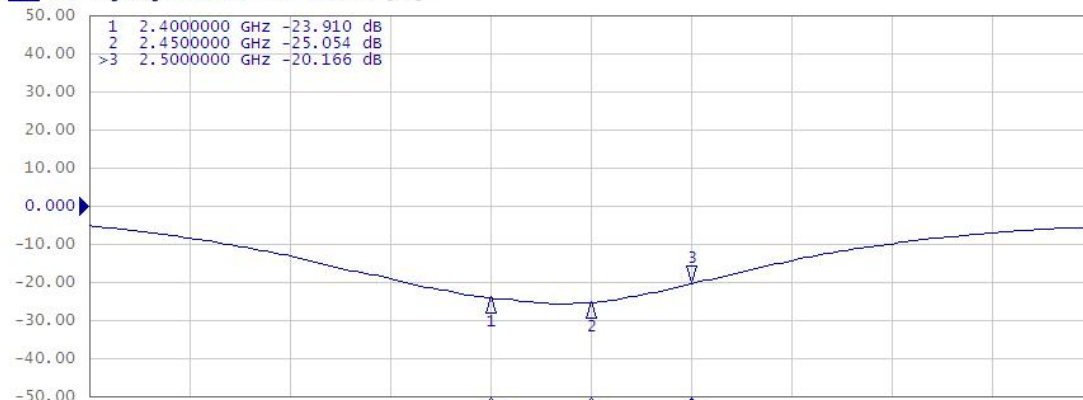
1	SAIT SPRAY TEST	Salt water spray test: in accordance with GB1266-86 Distilled water: one distillation PH6.5~7 Spray volume: 1.4me80cm ² /h Compressed air pressure: 1kgf/cm ² Relative test angle: 98° Temperature: 45°C~47°C Pressure and temperature: 35°C Testing time: 96 hours	All characteristic range 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

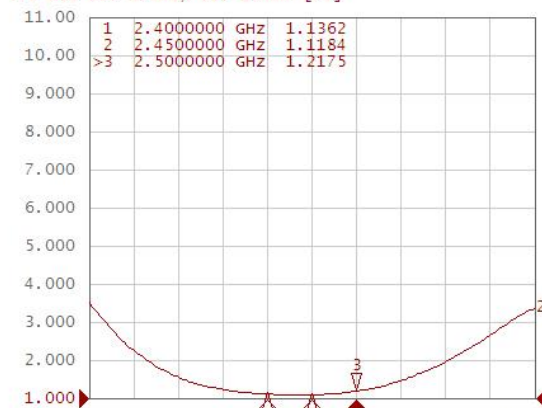
1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Resize

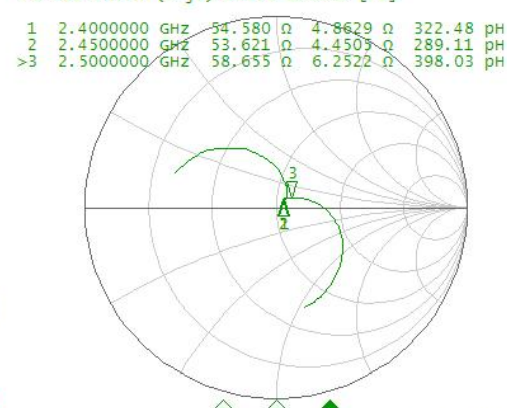
Tr1 S11 Log Mag 10.00dB/ Ref 0.000dB [F1]



Tr2 S11 SWR 1.000/ Ref 1.000 [F1]



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



1 Start 2.2 GHz

IFBW 70 kHz

Stop 2.7 GHz Cor

System

Print

Abort Printing

Printer Setup...

Invert Image

ON

Dump

Screen Image...

Multipoint Test Set Setup

Misc Setup

Backlight

ON

Firmware

Revision

Service Menu

Help

Return