
SPECIFICATION FOR APPROVAL

Manufacturer: Shenzhen Kexin Wireless Co., Ltd.

Address: Building H, 3rd Floor, Hongyingli Industrial Zone, Shaibailai, Longxin Community,
Longgang Sub-district, Longgang District, Shenzhen City, Guangdong, China

Customer's part number:

Product description: 2.4G rubber duck Antenna

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

Issue Date: 201911/07

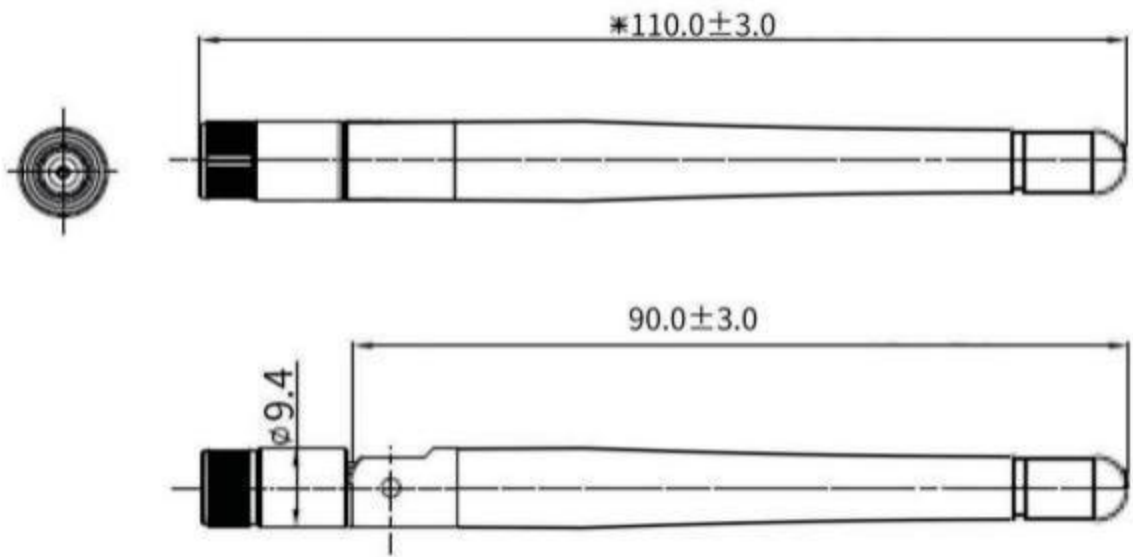
Note: 2400-2500MHz,SMA male

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

一、Main Technical Specifications

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|-------------------------------|-------------|
| Model | KXWX-433E-4 |
| Main Technical Specifications | |
| Frequency Range (MHz) | 2400-2500±5 |
| Bandwidth (MHz) | 10 |
| VSWR | ≤1.5 |
| Gain (dBi) | 1.40 |
| 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 PROTEKA333 networking analyzer to measure Antenna S1 VSWR characteristics | PIC 1 |
| 2 | Smith Chart | Using PROTEKA333 networking analyzer to measure Antenna S1 Smith Chart characteristics | PIC 2 |
| 3 | Gain Response | Using PROTEKA333 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: 1.4me80cm2/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. | |

