



No. : ZJ-2023122601

Test report

Product name: radio receiving antenna

Specification and model:TQX-900SMA-U

Testing category: sample testing Entrusting

unit: Production Department

Manufacturer:Guangdong jianbotong

technology co., ltd

Address: No.2, Chanxiu Road, Ji Hua West

Road, Foshan, Guangdong.

Testing time: 2023.12.26

Guangdong jianbotong technology co., ltd

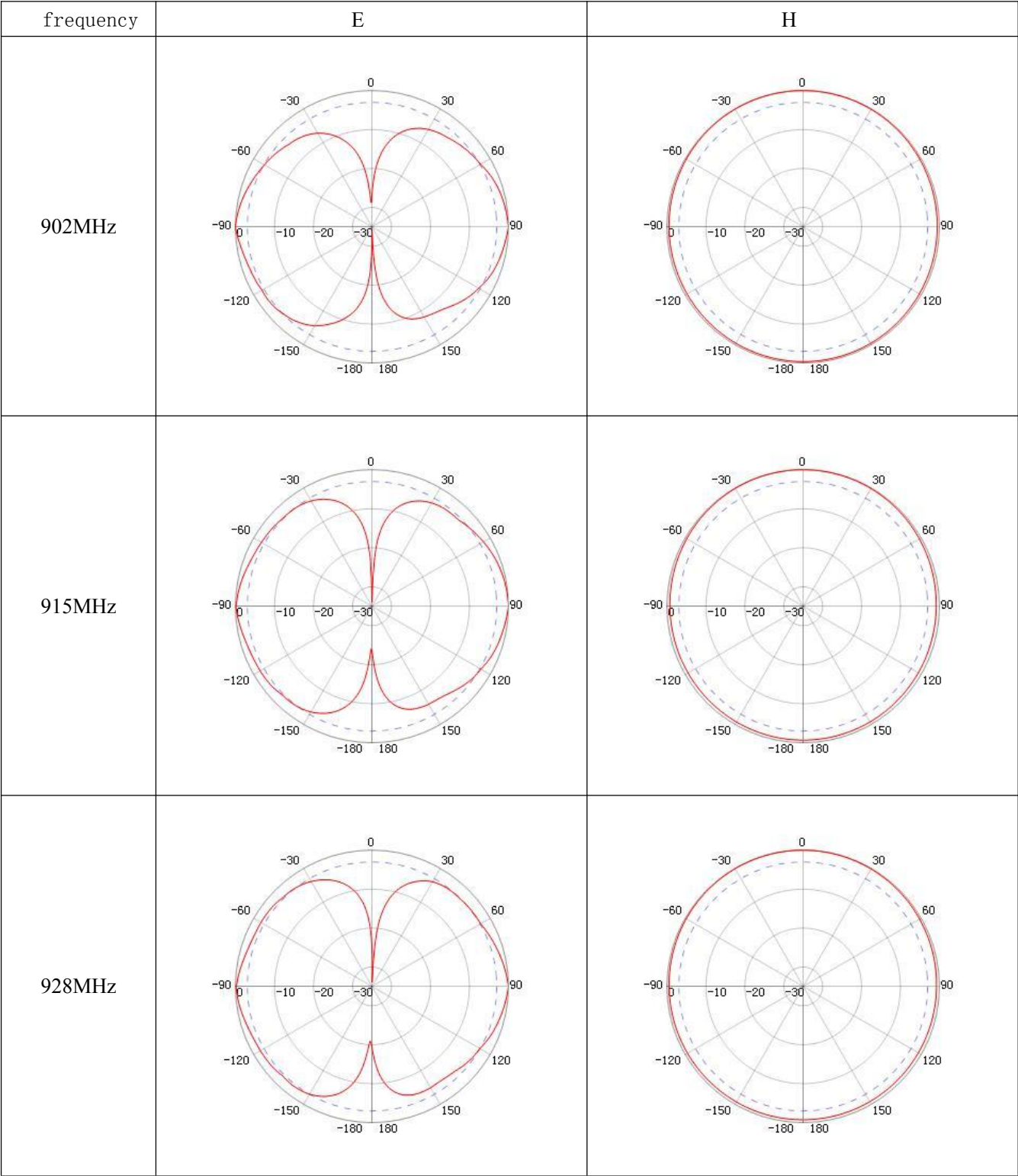
Test Center

KBT-OP-10026-2/00-1

Normal temperature electrical energy can be used to detect fruit bearing.

| inspection item | technical requirement | unit | Test result | | judgement |
|---|------------------------|------|------------------------|-------|-----------|
| frequency | 902-928 | MHz | 902-928 | | Pass |
| Gain | 3.61 | dBi | 902 MHz | 3.52 | Pass |
| | | | 915 MHz | 3.61 | |
| | | | 928 MHz | 3.55 | |
| Horizontal lobe width | 360 | ° | 902 MHz | 360 | Pass |
| | | | 915 MHz | 360 | |
| | | | 928 MHz | 360 | |
| Vertical lobe width | 68 | ° | 902 MHz | 72.21 | Pass |
| | | | 915 MHz | 72.18 | |
| | | | 928 MHz | 71.04 | |
| voltage standing wave ratio | ≤1.5 | / | 1.38 | | Pass |
| radiation pattern | / | / | See attached drawings | | Pass |
| Polarization mode | perpendicular/vertical | / | perpendicular/vertical | | Pass |
| Judgment: All inspection items meet the requirements of inspection basis. | | | | | |

directional diagram



The main instrument for inspection is equipped.

| No. | name | Model | term of validity |
|-----|---------------|--------|----------------------------|
| 1 | test macro | SG64 | Within the validity period |
| 2 | Standard horn | SH-400 | Within the validity period |

Antenna pattern

Antenna size: $\Phi 15 \times (245 \pm 5)$ mm
Antenna type: Dipole Antenna

