



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

frequency	E	H
902MHz		
915MHz		
928MHz		

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: $\Phi 15*(245+5)$ mm
Antenna type: Dipole Antenna

