

SPECIFICATION FOR APPROVAL

Date 2023 / 6 / 20

File No 23062002

Revision 1.0

CUSTOMER: _____

Brand: N/A

ANT Type: Monopole antenna

ANT Model: SX-2.4G-NZTG-0241A

ANT Frequency : 2402-2480Mhz

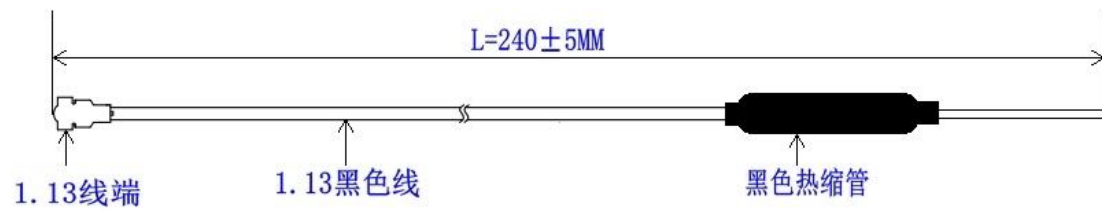
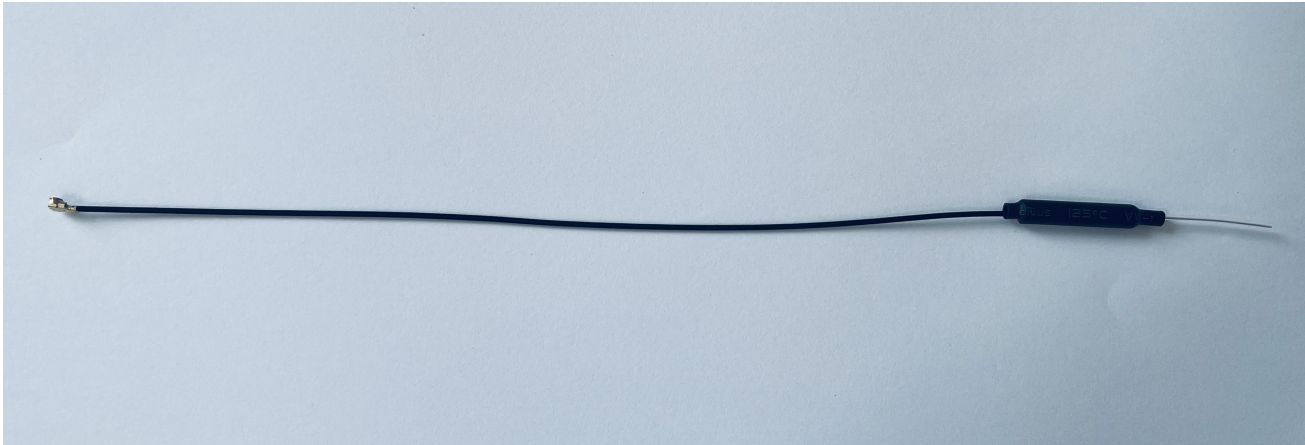
ANT Model: SX-2.4G-NZTG-0241A

Manufacturer Shenzhen double xin communication equipment Co., LTD

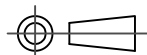
Statement of recognition

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REV.	CONTENT	DATE
△	First issue	2017.08.10



3	Shrink Tube	Ø4.5*30.0MM Black	1
2	Copper Tube	Ø4.5*24.50mm	1
1	Coaxial Cable	O.D.1.13 Black	1
NO	PART NAME	DESCRIPTION	Q.TY

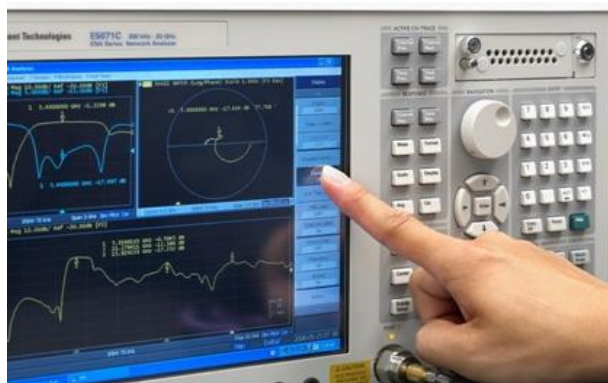
			CUSTOMER				
			PART NO				
			TITLE		WiFi Antenna		
	TOLERANCE UNLESS OTHERWISE SPECIFIED		S.H P/NO		S-01-001		
			SIZE	DESIGNED	CHECKED	APPROVED	
	UNIT:mm	ANGLES ±0.5°	X. ±2.0	A4			
	SHEET: 1/1	X.XX ±0.2	XX. ±5.0				
SCALE: 1/1	X.X ±0.5	DATE:2017-08-10					

Test Reports

Electrical Properties	
Frequency	2400 ~ 2500 MHz
Impedance	50 Ohm Nominal
V.S.W.R	1.92 : 1 Max
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	2 dBi
Cable Loss	3.2 dB / m Max @ 2450 MHz
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	N/A
Physical Properties	
Antenna Material	TPE / PC / CU
Cable Type	O.D 1.13 mm // 50 mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	Gray

Antenna Performance Test

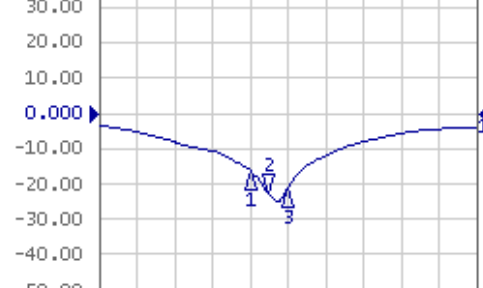
**Agilent
E5071B**



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

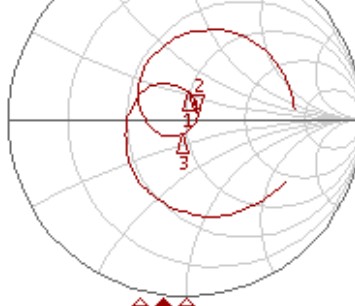
Tr1 S44 Log Mag 10.00dB/ Ref 0.000dB

1	2.4000000 GHz	-16.210 dB
>2	2.4500000 GHz	-22.604 dB
3	2.5000000 GHz	-21.170 dB



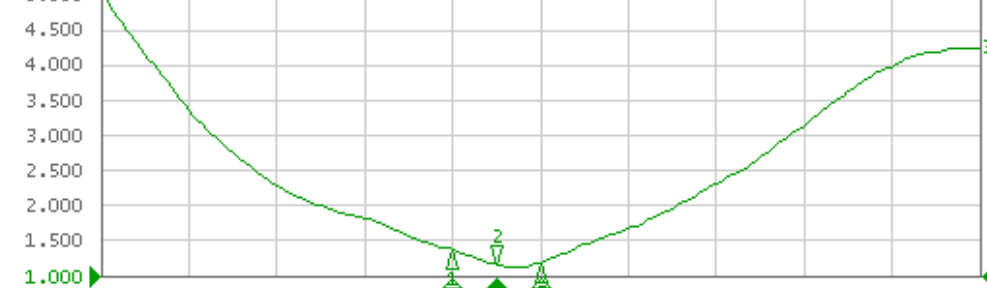
Tr2 S44 Smith (R+jX) Scale 1.000U

1	2.4000000 GHz	49.133 Ω	15.498 Ω	1.
>2	2.4500000 GHz	57.059 Ω	3.6299 Ω	2.
3	2.5000000 GHz	47.279 Ω	-8.0858 Ω	7.



Tr3 S44 SWR 500.0m/ Ref 1.000

1	2.4000000 GHz	1.3660
>2	2.4500000 GHz	1.1601
3	2.5000000 GHz	1.1915



1 Start 2 GHz

IFBW 70 kHz

Stop 3 GHz Off

Trigger

Hold

Single

Continuous

Hold
All Channels

Continuous
Disp Channels

Trigger Source
Internal

Trigger Event
On Sweep

Restart

Trigger

Return

Gain Test

*Antenna
Radiation
Pattern
VS
Gain*

