



Antenna installation instructions

Warning: Changing the antenna installation method or replacing the antenna components will cause changes in the RF performance of the product. Our company is not responsible for any changes in RF performance caused by unauthorized changes in antenna components or antenna installation processes

Antenna manufacturer: Shenzhen Lejin radio frequency technology Co., LTD
Company Address: 3rd Floor, Building A4, No. 176 Chongqing Road, Fuhai Street, Bao'an District, Shenzhen, Guangdong Province. (Phone number: 13603098741)

Customer Name:	维迈通
Product Name:	TG10
Product Model:	BT ANT
Part Number:	LJF02-240825002T-R0A
Write By :	李明进
Issued Date:	2024/8/10

CUSTOMER				
ENGINEER R&D DEPT	BUSSINESS DEPT	APPROVED BY	DATE	Edition/Part number
LEJIN				
R&D DEPT	ENGINEER R&D DEPT	APPROVAL	DATE	Edition/Part number

ECN/ECR			



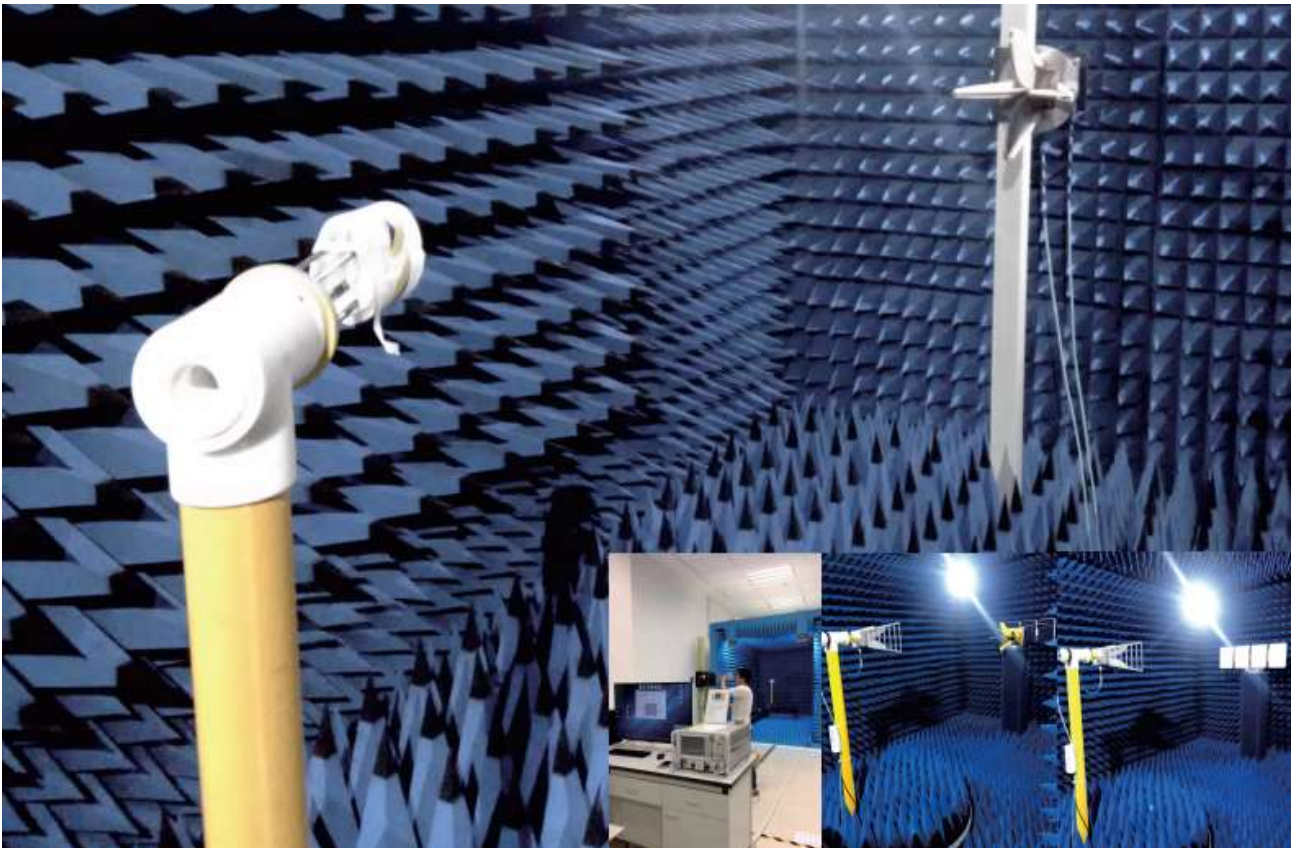
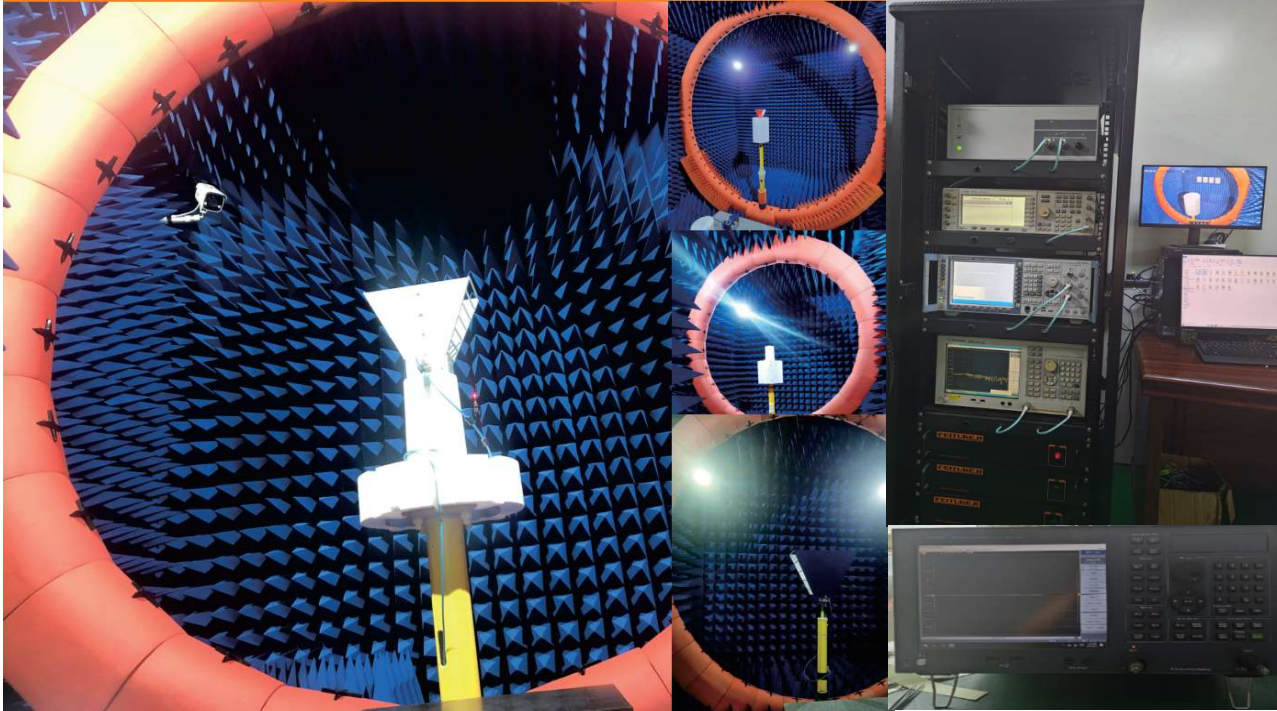
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Electrical Characteristics					
Frequency	VSWR	Efficiency	Impedance	Polarization	Gain (dB)
2.4GHZ-2.5GHZ	<1.8	>25%	50 Ohm	Linear	≥0,<2.0
Material & Mechanical Characteristics			Environmental		
Material of Radiator	Cable Type	Connector Type	Dimension	Operation Temperature	Storage Temperature
BL	1.37 L:320 Black	137-1B2		- 20 °C ~ + 50 °C	- 30 °C ~ + 80 °C

Test Equipment & Conditions

1. Network Analyzers :Agilent 5071C
2. Communications Test Set:Agilent E5515C/CMW500/AT8826
3. 3D Chamber Test System(ETS743)/STM23+1

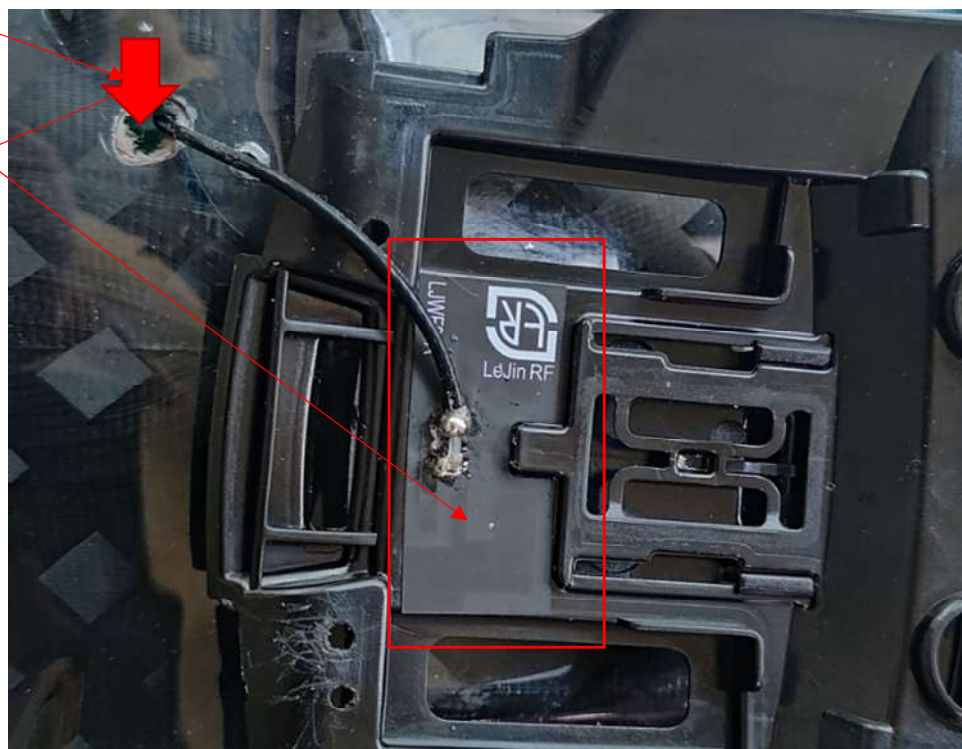


TG10 Antenna installation steps

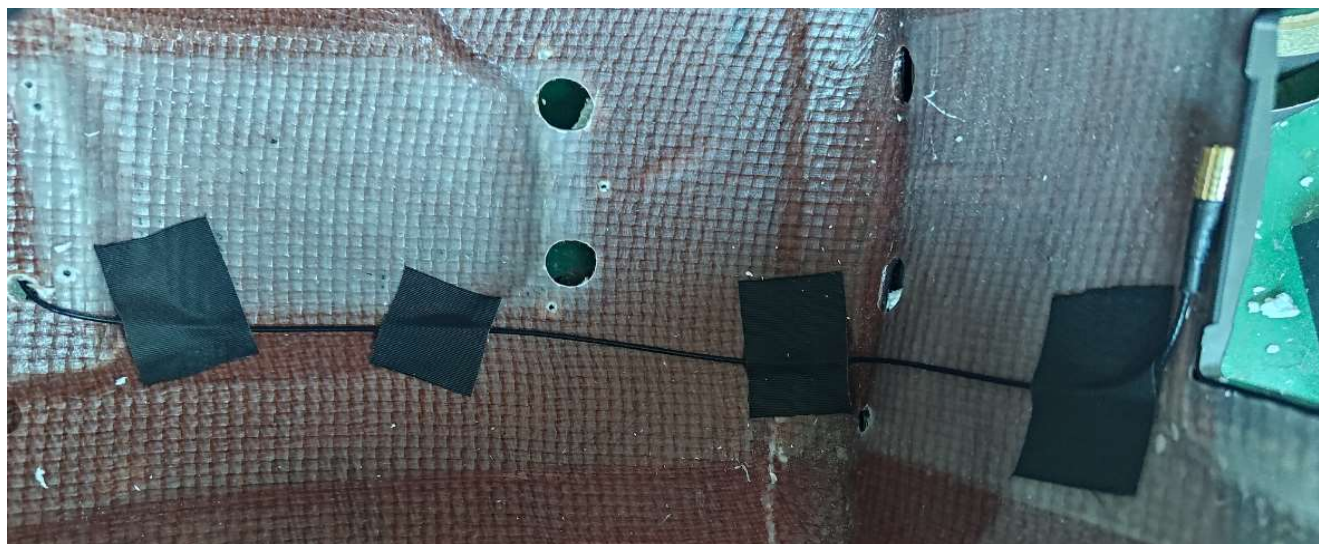
STEP1:穿天线SMCX连接器

STEP2:张贴天线:

开口规格同TG04/位置参考图片标识

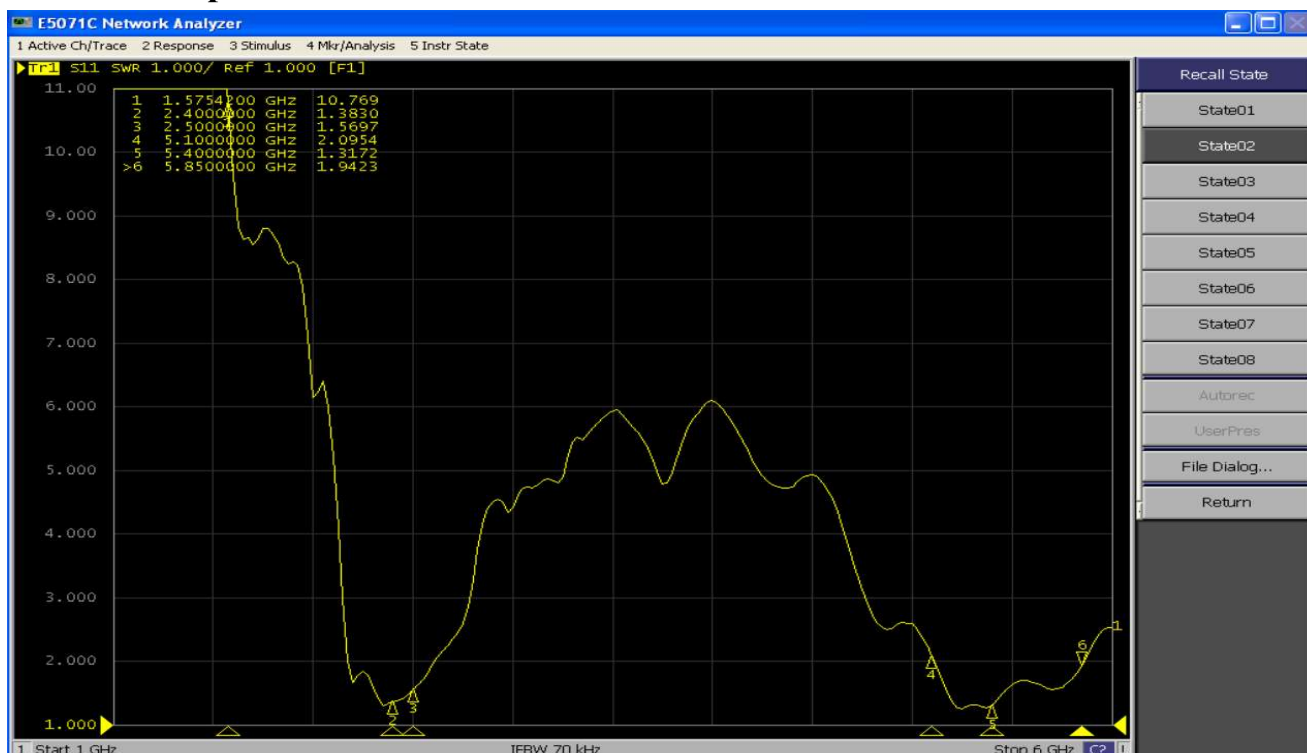


STEP3-STEP6与TG04工艺要求相同:

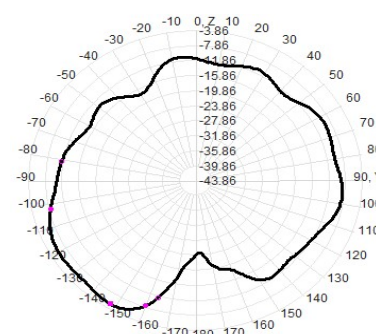
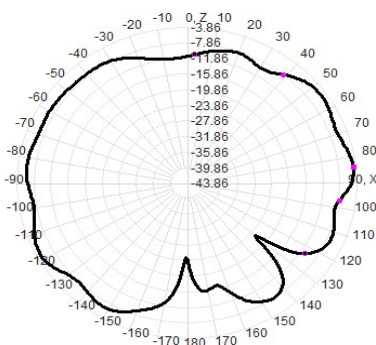
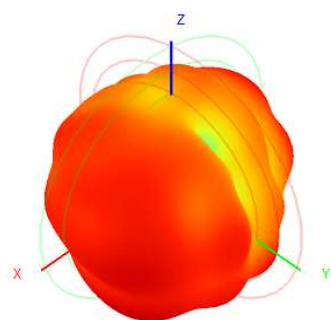




Antenna Impedance: WIFI ANT M:

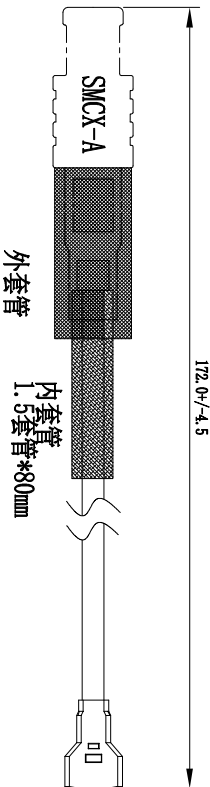
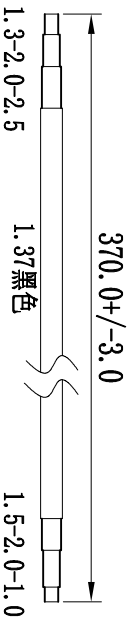
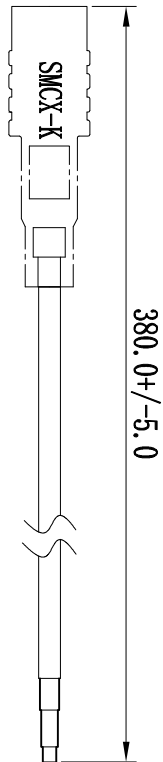
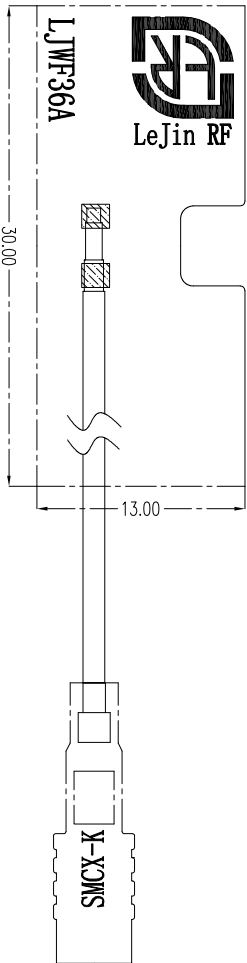
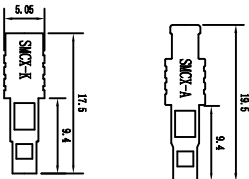
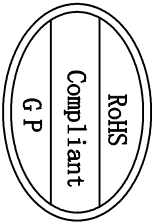


2.4G (Wifi/BT)	Freq (MHz)	2400	2410	2420	2430	2450	2460	2470	2480	2490	2500
	Effi (%)	28.7	28.8	27.1	28.9	29.8	25.57	30.12	27.56	28.94	27.33
	Gain (dBi)	1.28	1.13	1.45	1.8	1.77	1.36	1.51	1.29	1.07	1.12



Antenna Performance Table			
TRP /TIS(dBm)		14.62	-88.80
BT OTA DATA	Channel No.	TRP (dBm)	TIS (dBm)
	0	15.12	-89.33
	39	14.78	-88.75
	78	13.96	-88.32

ANT DRAWING:



深圳乐进射频科技有限公司
SHEN ZHEN LEJIN RADIO FREQUENCY CO., LTD



Third Angle

Project TG10

Date 2024-08-08

0~10 ±0.05 0 0.02

Part Name

Designed by

10~18 ±0.10 0 0.03

Part No.

Checked by

18~30 ±0.12 0 0.02

Material

RF

30~40 ±0.15 0 0.04

Treatment

Approved by

40~ ±0.20 0 0.05

Location

Unit mm

Scale

Fit

Rev

1 2 3 4 5 6 7 8