

Shenzhen Anwei Wireless Techonology Co. Ltd

APPROVAL SHEET

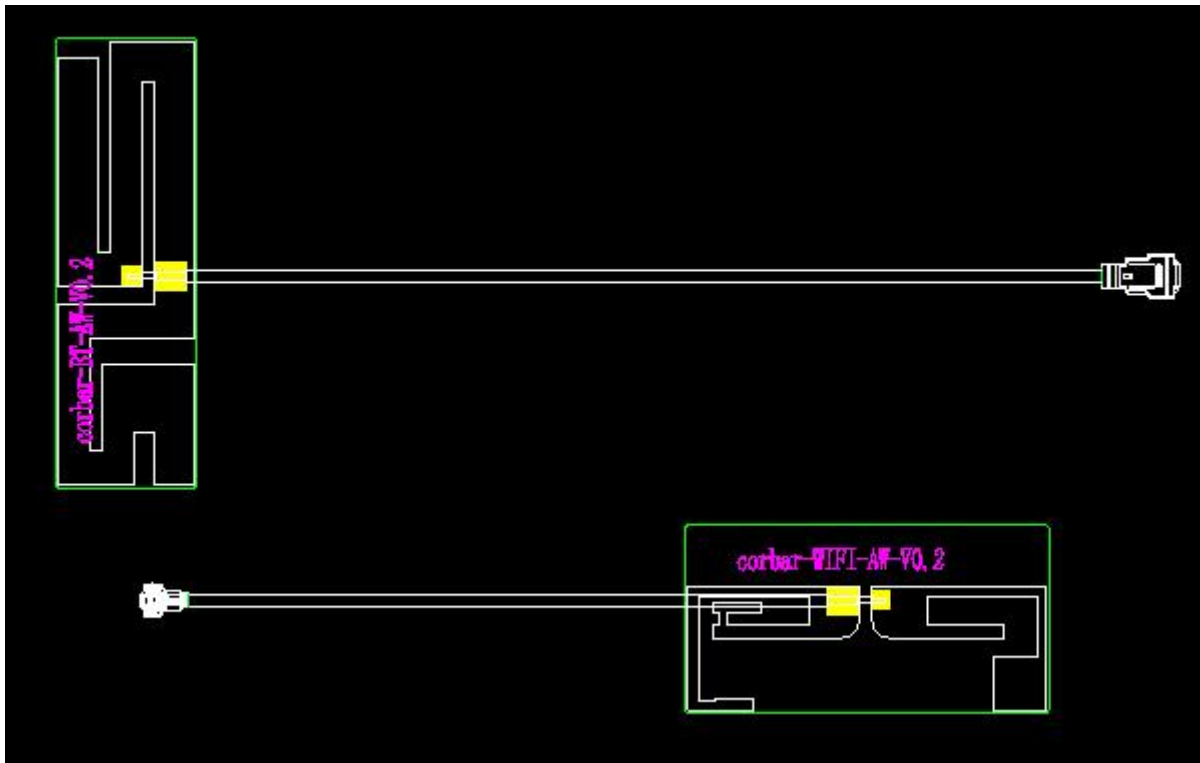
Customer	AIKS Technology	Specs	Corbar
Part Number	AW006-Corbar-021-A0 AW006- Corbar -022-A0	Frequency Band	WIFI Antenna BT Antenna
Color	black	Edition	REV:A0
Salesperson	zhulixin	Design	songhang
Structure	QIN YUN LIN	Confirm	songweibing
Date	2026/06/18	Signing Date	2026/06/18
Company: Shenzhen Anwei Wireless Technology Co., Ltd.			
Address: 2nd Floor, East Building, Building 5, Yifenghua Industrial Park, Huaning Road, Dalang Subdistrict, Longhua District, Shenzhen, Guangdong Province, China			
Antenna Type:FPC Antenna			

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一、Product specifications

The report mainly provides the parameter test of Corbar WIFI/BT antenna performance.



二、Electrical performance

1. Specifications and standards

The bond-matrix-2.0 antenna operates in the frequency band of 2400- 2480 MHZ /5100-5800MHZ, where resonance occurs in this band.。

2 Antenna matching circuit

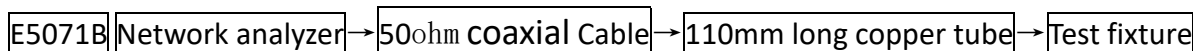
No changes made

Antenna structure: FPC + coaxial cable

三、Parameter testing

1. Test setup

VSWR The test device is connected in sequence as follows::



Handling of test fixtures:

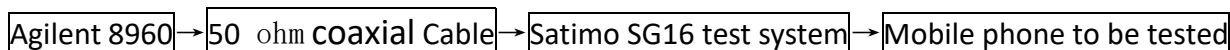
A SMA-J connector is pulled out from the 50-ohm test point of the antenna on the mobile phone PCB with a hard cable, connected to the copper tube with a choke, and then connected to other devices in turn.

2. Test results

Everything is normal。

四、Active test setup

The active test device is connected in sequence as follows:



1. The test site

AW microwave anechoic chamber: The test frequency range is 400MHz-6GHz, the quiet zone is 40cm in diameter, and the reflectivity is less than -90 dB.

2. Test results

The maximum radiation power and maximum reception sensitivity reflect the maximum power radiation value and the best reception performance of the antenna in the entire radiation space. TRP and TIS reflect the average radiation power and average reception sensitivity of the antenna, that is, the overall reception performance of the antenna。

The following is the result of the Corbar Actice testing:

	Channel	TRP (dBm)	TIS (dBm)
WIFI_B_11M	1	14.27	-80.9
	6	15.19	-80.61
	11	14.57	-81.34
WIFI_A_54M	36	11.25	-69.1
	64	11.67	-71.09
	165	12.28	-71.41

following is the result of the Corbar passive testing:

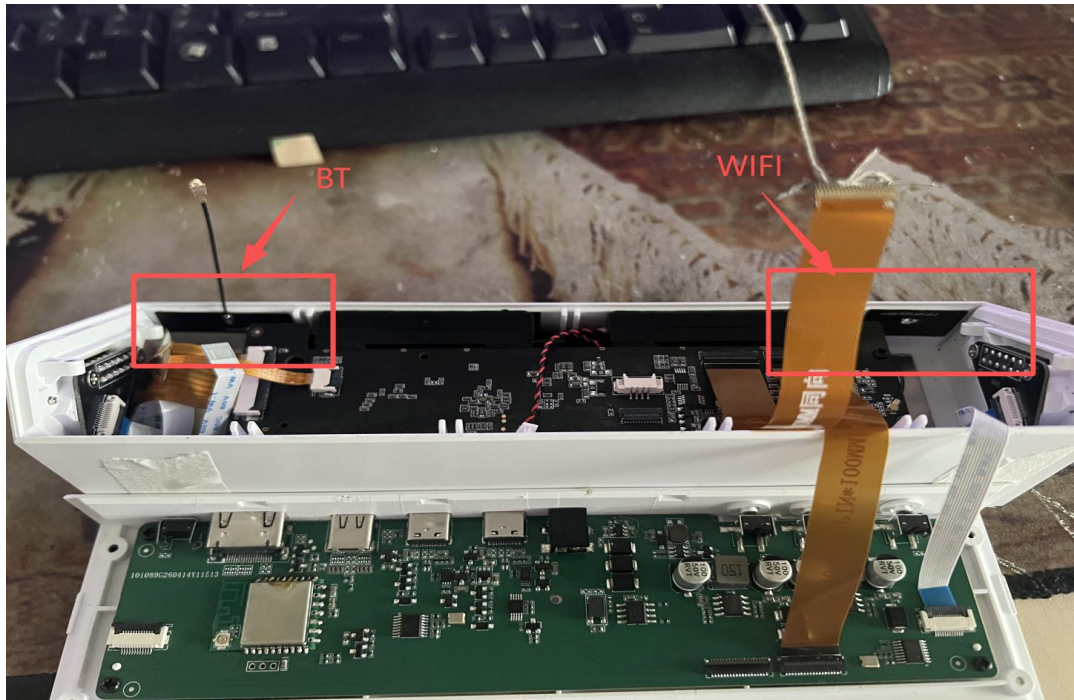
WIFI

软件版本: SNF V2.4.2 导出时间: 2026/5/14 21:11:55						
Frequency ID	1	2	3	4	5	6
Frequency (MHz)	2400	2450	2500	5100	5300	5800
Gain (dBi)	2.51	2.78	3.98	3.63	5.68	5.83
Efficiency (dB)	-3.64	-3.52	-2.25	-4.06	-2.05	-1.93
Efficiency (%)	43.30	44.46	59.61	39.22	62.30	64.18

BT

软件版本: SNF V2.4.3 导出时间: 2026/5/27 21:02:27			
Frequency ID	1	2	3
Frequency (MHz)	2400	2450	2500
Gain (dBi)	2.40	2.97	2.20
Efficiency (dB)	-3.06	-3.27	-3.73
Efficiency (%)	49.39	47.05	42.35

Antenna assembly method:

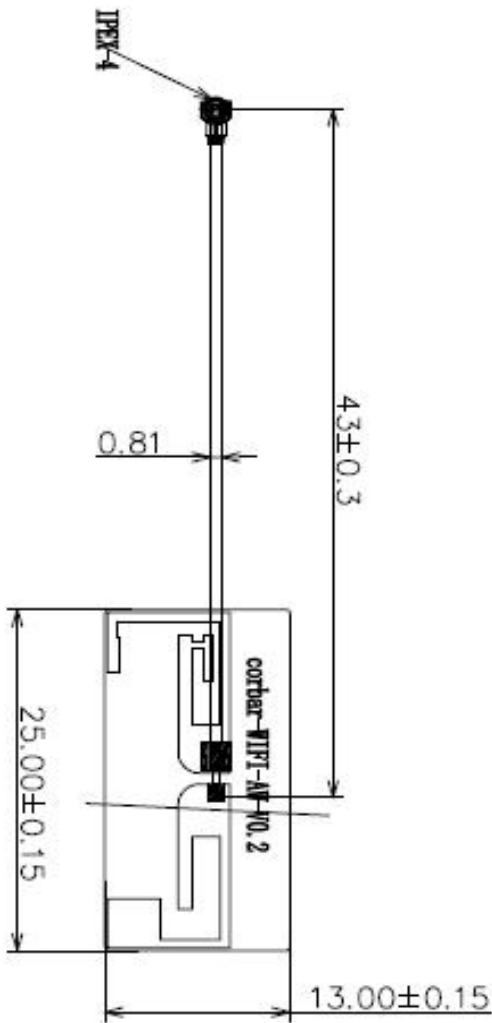


五、Recommendations and conclusions

This report is based on the antenna electrical performance measured by the machine provided by the customer, please review it carefully.。

六、Structural drawings

As shown in Figure below



Material: A pair of semi-electrolytic copper substrates, using environmentally friendly manufacturing process, in line with RoHS requirements.

Gold plating: NI:1-2um AU:min0.5u" Ink: Halogen-free ink.

Duct tape: 3M9471.

With * dimensions as the key dimensions.

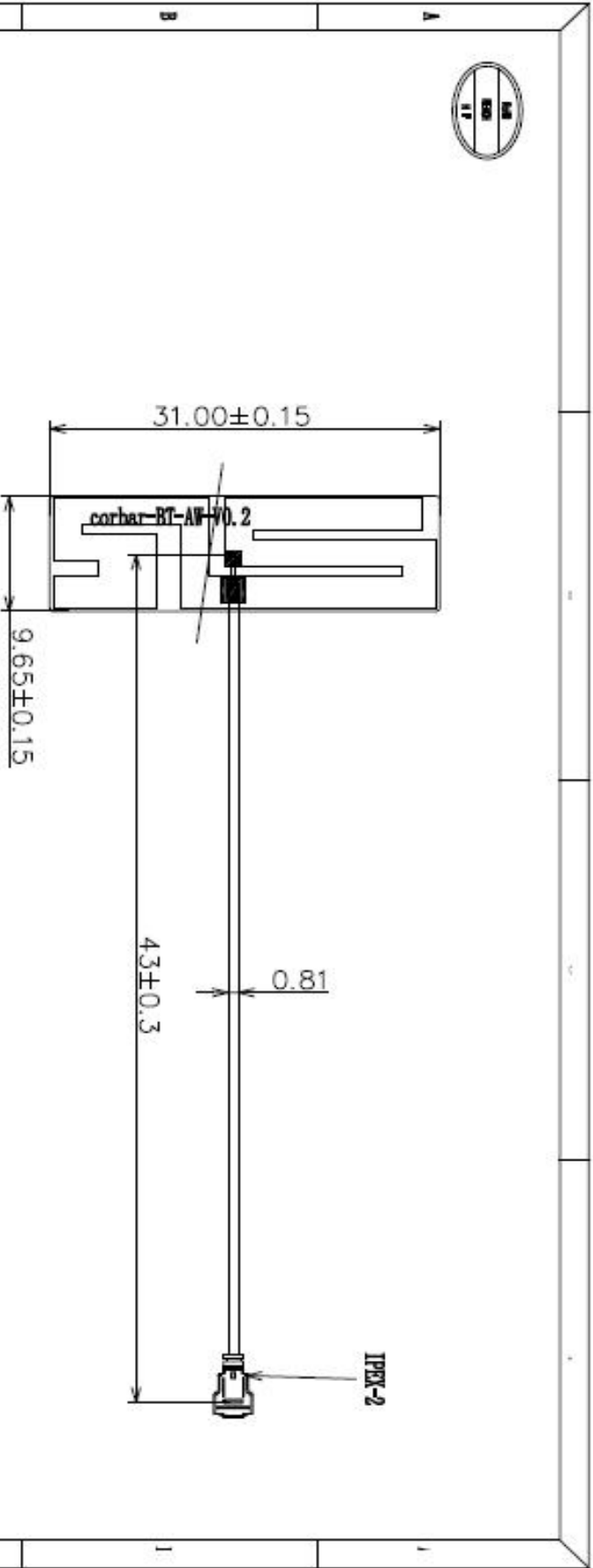
The surface has no defects such as crushing, scratches, oil stains, spots, etc.

The drawing size is used to check the appearance, function and assembly.

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Shenzhen YMW Technology Co., Ltd

	unit: MM	Model: corbar	date: 2025-05-15
General tolerance:		Part No: AM006-corbar	W D: QTL
		-021-A0	
I	± 0.5	Material: FPC	R F: SH
.I	± 0.25	Surface treatment: clean	
.X	± 0.10	Color: matt black	proportion 1:1
.XX	± 0.05		version: A1
ANGULAR	$\angle \pm 0.5^\circ$		



Material: A pair of semi-electrolytic copper substrates, using environmentally friendly manufacturing process, in line with RoHS requirements.

Gold plating: Ni:1-2um Au:min0.5u" Ink: Halogen-free ink.

Duct tape: 3M9471.

With "±" dimensions as the key dimensions.

The surface has no defects such as crushing, scratches, oil stains, spots, etc.

The drawing size is used to check the appearance, function and assembly.

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Shenzhen YMY Technology Co., Ltd

	unit: MM	Model: corbar	date: 2025-06-15
General tolerance:		Part No: AW006-corbar	M D: QTL
1	± 0.5		
.1	± 0.25	Material: PVC	R F: SH
.X	± 0.10	Surface treatment: clean	
.XX	± 0.05	Color: black	proportion 1:1
ANGULAR	$\pm 0.5^\circ$		version: A1

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