

# SPECIFICATION FOR APPROVAL

DESCRIBE: JENESIS (SHEN ZHEN) CO., LTD (PTS2)

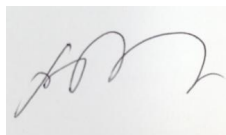
Customer NO: 14-008-0141

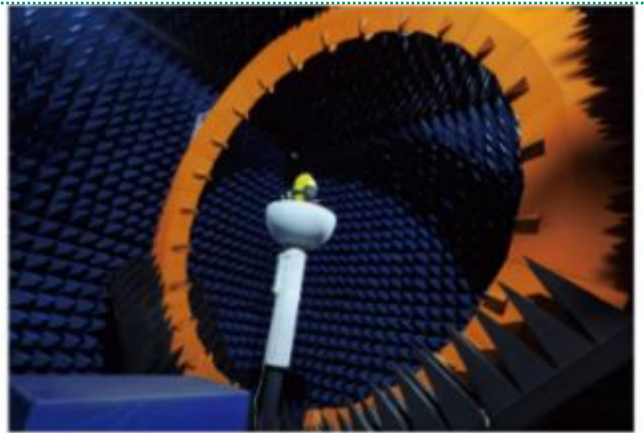
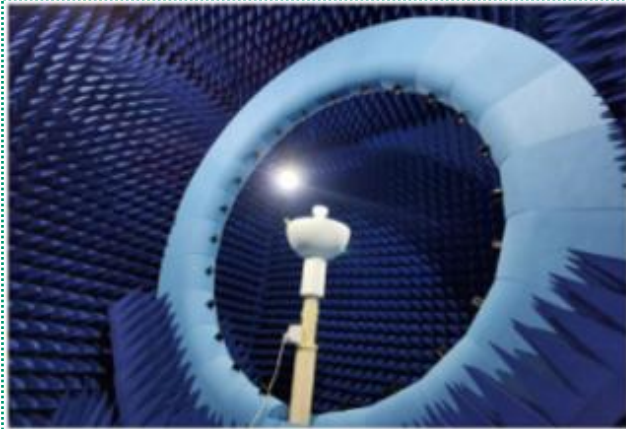
PART NO: ATC1425-CS011B03RA

Antenna type: WIFI/BT FPC-ANT

DATE: 2024. 06. 07

PROVIDER: AT&C TECHNOLOGIES(SHENZHEN) CO. LTD

Customer Admit	confirm	ID Department	Test department	Structure section	Quality department
Supplier Admit	confirm	confirm	Proofreading	To examine	Approval
		Ziyehui	Yang Guochang	Xuliying	



We have RF equipments as below

## Anechoic Chambe

- r- Satimo 1ea
- SY24 1ea
- SAR 1ea
- KSS 2ea

## Measurement

- 2G, 3G, 4G
- GPS
- Wifi
- Bluetooth(3.0) OTA
- NFC & WPC



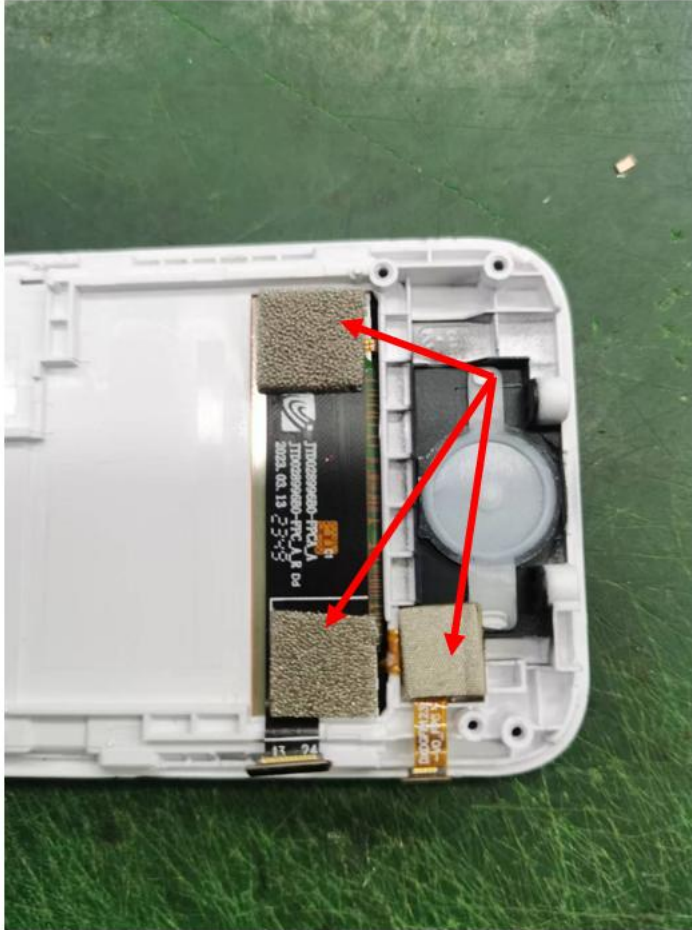
WIFI/BT ANT

# BOM

Customer	JENESIS	Written By	ZYH	Orig. Date	2024.06.07
part Number	ATC1425-CS011B03RA	Revised By	SHIN	Revised Date	2024.06.07
Description	WIFI/BT ANT	Approved By	HJ	Approved Date	2024.06.07

Customer P/N	Part P/N	Part Name	Part description
14-008-0139	ATC1425-CS011B01RA	LTE ANT	56.78*23.24*0.12mm PI +CU Black
14-008-0140	ATC1425-CS011B02RA	DIV ANT	42.10*7.16*0.12 PI+CU Black
14-008-0141	ATC1425-CS011B03RA	WIFI/BT ANT	24*7.03*0.12mm PI+CU Black

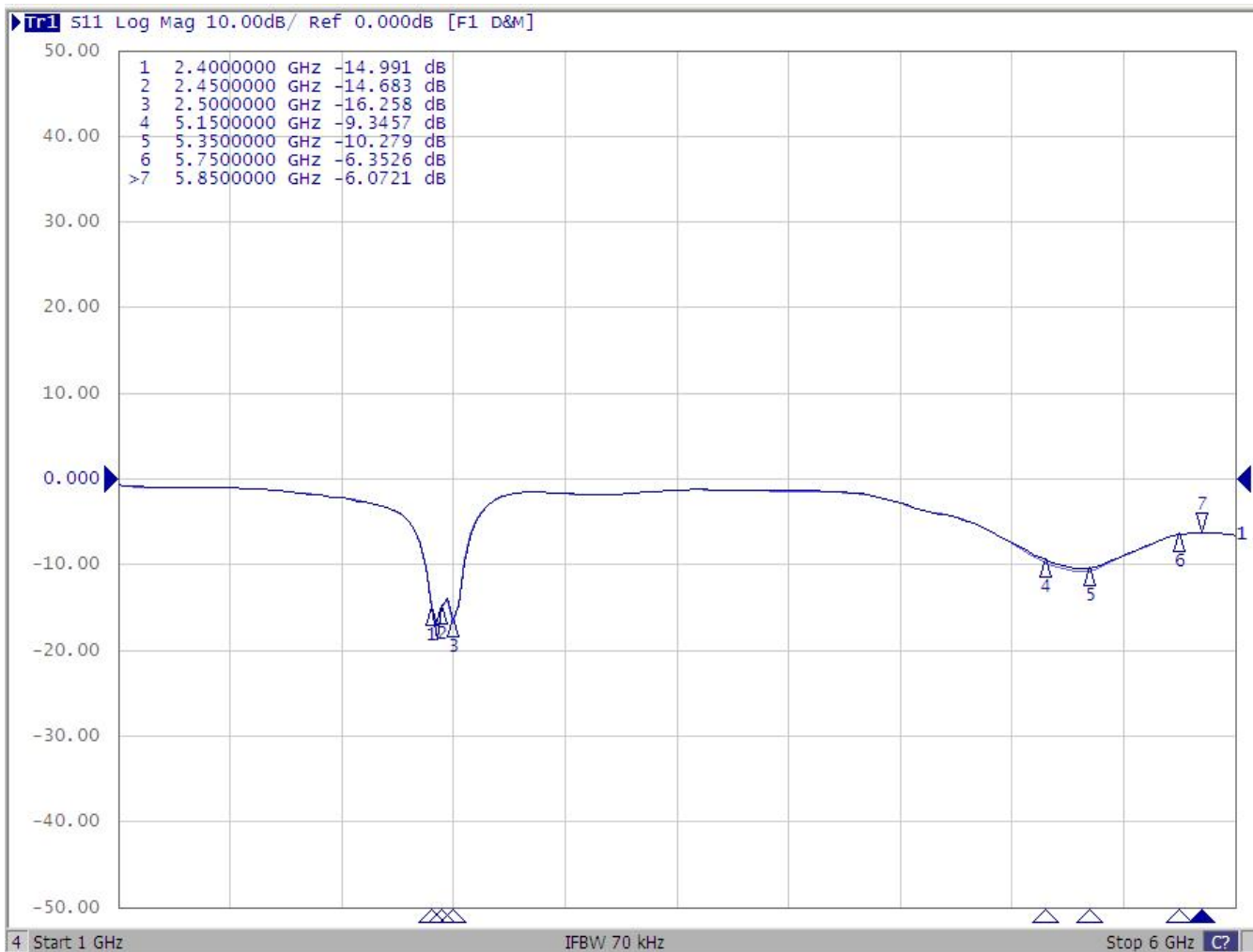
Customer	JENESIS	Written By	ZYH	Orig. Date	2024.06.07
part Number	ATC1425-CS011B03RA	Revised By	SHIN	Revised Date	2024.06.07
Description	WIFI/BT ANT	Approved By	HJ	Approved Date	2024.06.07



1.As shown in the figure, these three positions need to be attached to the conductive sponge, so that the screen is grounded to the motherboard.

# WIFI/BT Antenna S11/SWR

Customer	JENESIS	Written By	ZYH	Orig. Date	2024.06.07
part Number	ATC1425-CS011B03RA	Revised By	SHIN	Revised Date	2024.06.07
Description	WIFI/BT ANT	Approved By	HJ	Approved Date	2024.06.07





## WIFI/BT Antenna \*Efficiency

Customer	JENESIS	Written By	ZYH	Orig. Date	2024.06.07
part Number	ATC1425-CS011B03RA	Revised By	SHIN	Revised Date	2024.06.07
Description	WIFI/BT ANT	Approved By	HJ	Approved Date	2024.06.07

### Efficiency/Gain. dBi

Frequency	Efficiency	Gain. dBi
2400	39%	2. 17
2420	41%	1. 95
2440	42%	1. 95
2460	43%	1. 8
2480	41%	1. 65
2500	38%	1. 56
5150	37%	2. 9
5200	39%	2. 77
5250	41%	2. 47
5300	43%	2. 7
5350	46%	2. 83
5400	45%	2. 71
5450	44%	2. 54
5500	39%	2. 39
5550	37%	2. 04
5600	38%	2. 09
5650	36%	2. 02
5700	35%	1. 62



## WIFI/BT ActiveTestResults

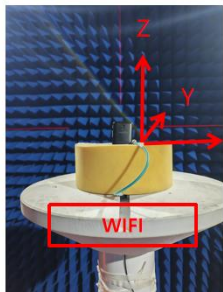
Customer	JENESIS	Written By	ZYH	Orig. Date	2024.06.07
part Number	ATC1425-CS011B03RA	Revised By	SHIN	Revised Date	2024.06.07
Description	WIFI/BT ANT	Approved By	HJ	Approved Date	2024.06.07

### WIFI Active Test Results

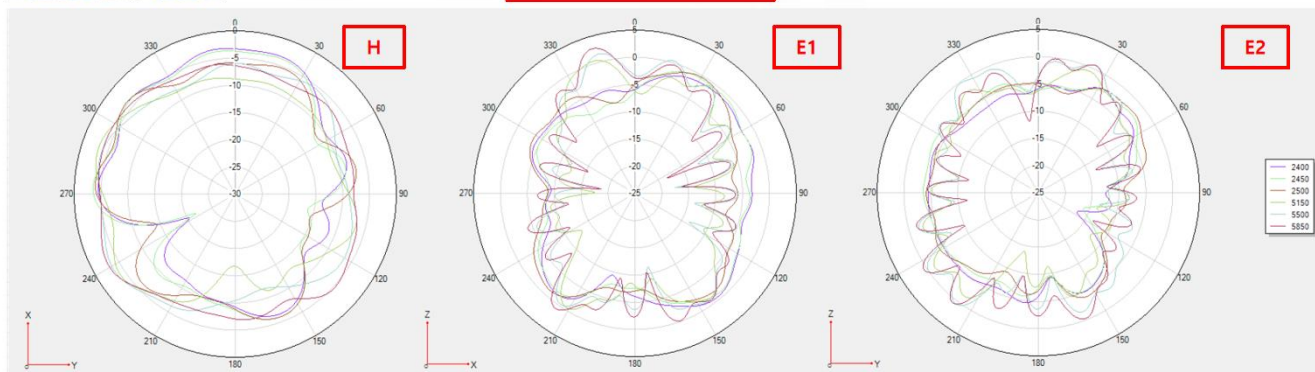
BAND	CH	TRP	TIS
WIFI-11B/11M	1	12.61	
	6	13.85	
	11	13.14	-77.21
WIFI-11A/54M	36	10.57	
	100	11.42	
	165	10.63	-72.6

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1. Azimuth Pattern H-Plane : "H", X-Y plane
2. Elevation Pattern E1, E2-Plane : "E1", "E2", X-Z plane(E1), Y-Z plane(E2)
3. It is a structure that supplements the distortion of the horizontal plane in the vertical plane and has a gentle sphere shape in three dimensions.



WIFI

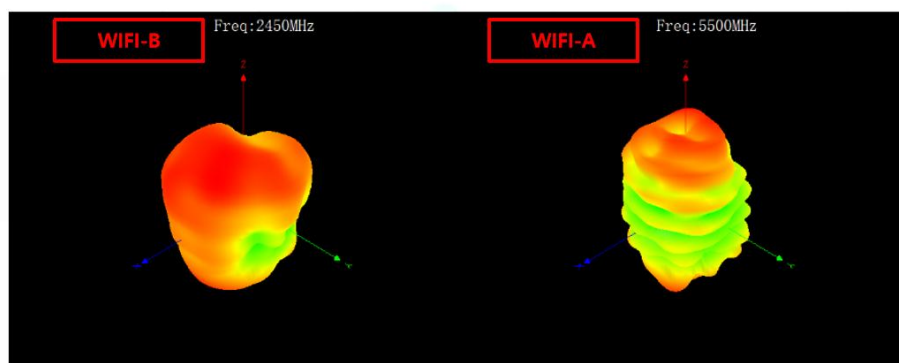




# WIFI/BT 3D Radiation Pattern

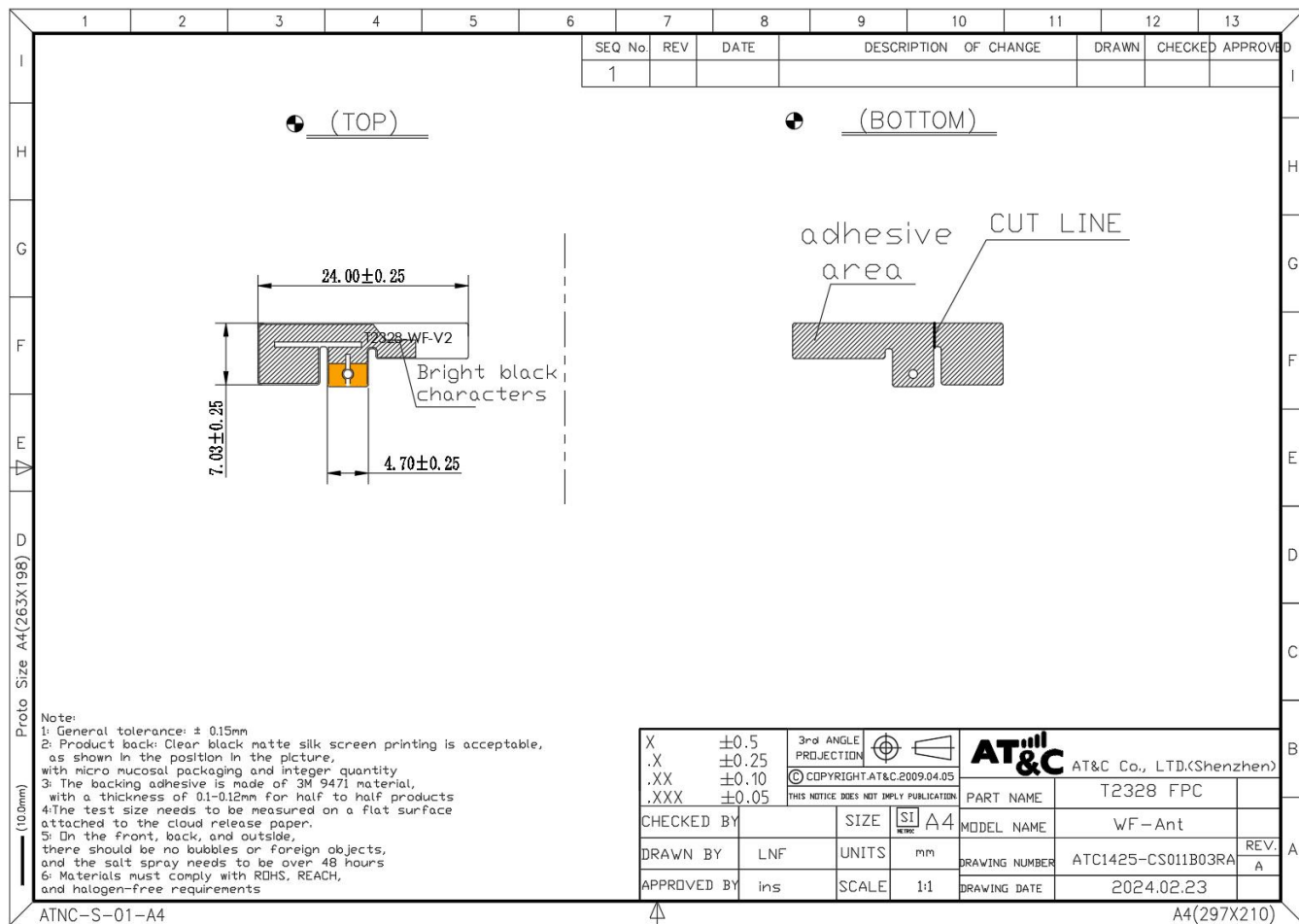
Customer	JENESIS	Written By	ZYH	Orig. Date	2024.06.07
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1. This 3D Radiation Pattern shows the response of each angle antenna gain on the sphere.
2. The objects corresponding to the X-Y-Z axes are shown in the left picture.



## WIFI/BT Antenna Draw

Customer	JENESIS	Written By	ZYH	Orig. Date	2024.06.07
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Description	WIFI/BT ANT	Approved By	HJ	Approved Date	2024.06.07



num ber	Dimen sion property	Dimensi on	Lower toler ance	Upper tol erance	1	2	3	Upper	Lower	determin e	Supplier re view com ments	Customer review co mments	Measuring t ool
1	key point	24.00	-0.25	0.25	24.02	24.04	23.98			PASS			PJ
2	key point	7.03	-0.25	0.25	7.00	6.98	7.05			PASS			PJ
3	key point	4.70	-0.25	0.25	4.67	4.72	4.73			PASS			PJ



# AT&C TECHNOLOGIES (SHENZHEN) CO. LTD

## Salt spray test report

Customer Name:	JENESIS (PTS2)	Specification and model:	ATC1425-CS011B03RA
Sample situation:	Sample quantity: 3PCS		
	Substrate: PI	Coating: Gold plating	
Test start and end time:	From 10:00 on March 9, 2024 to 10:00 on March 11, 2024, a total of 48 hours		
Test type:	<input checked="" type="checkbox"/> NSS	<input type="checkbox"/> ASS	<input type="checkbox"/> CASS
Test conditions:	Salt solution ratio: 5% ± 1%		PH:6.5 ~ 7.2
	Temperature inside the box: 35 ° C		Relative humidity: 85% ± 2%
	Spray mode: <input checked="" type="checkbox"/> Continuous <input type="checkbox"/> Intermittent		Compressed air pressure: 1kg/cm <sup>2</sup>
	Spray volume: 1.0 ~ 2.0ML/80CM2/H		Test object placement angle: 30 degrees+/-10 degrees
	Test cycle: __ cycles		Spray time: 48 h
		Placement time: 2 hours	
Judgment criteria:	Appearance: intact and undamaged, with no significant changes. Coating: No oxidation, rust, discoloration, or corrosion spots. Screen printing: No shedding or bubbles.		
Test results:	Appearance after test: The appearance is intact and undamaged, with no significant changes. Coating: No peeling or rusting Surface spraying and screen printing: no peeling or bubbles.		
Explanation: 1. The salt spray test operation standard shall be executed in accordance with the national standard GB/T2423.17-2008 of the People's Republic of China 2. The criteria for determining test specimen results shall be in accordance with the national standard GB/T6461-02 of the People's Republic of China			
Tester: Zhang Luo		Reviewed by: Liang Houbo	

# Packaging method

PE bag packaging, product emission neat, uniform quantity



Picture: Outer box "I" seal, QC PASS seal on the left side of the outer box, sealed without exposure.



## PART LIST

The packing drawing is schematic diagram, which does not mean that the picture is the actual product and the actual shipment is the standard.

NO	DESCRIPTION	Q'TY	MATERIAL	REMARKS	REV.
1	ANTENNA	1/1000		N/A	A
2	PAD OUT	1/4	SW A골 5T	N/A	A
4	CARTOON BOX	-	SW A골 5T	N/A	A
5	PACKING TAPE	-	PP	N/A	A