



AFT tech Electronic Co., Ltd. (Shenzhen)

Antenna specification

Customer:Shenzhen xinruizhi industry co., ltd		Date:2025-02-14	
Material model:B651		Material structure: FPC	
Material code:P-CDF-02A-A-1-6A		Material color: black	
Antenna structure: ANT5 antenna		Antenna material No.: ANT5 Antenna: P-CDF-02A-A-1-6A	
Change record column			
Change date	Change reason	Content of Change	Version
2025/2/15	New version released		V1.0

Quality	MD	RF	Approved by

Customer confirmation column

Quality	MD	Electronics	Approved by

Customer material No. :

1

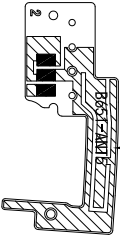
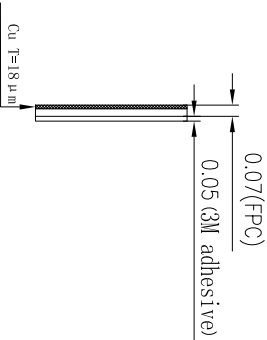
2

3

Customer requirements: :

Catalogue

- 1、Cover
- 2、Catalogue
- 3、Product Chart
- 4、RF Test Data Report

1	2	3	4	5	6	7	8
A				A			
screen printing white text “B651-ANT5”							
B				B			
							
Product front black				The back of the product			
C				C			
Note:							
1、The back glue is made of 3M 467 , with a viscosity exceeding 200MP. The back glue shape is consistent with the substrate and covered on the back of the substrate. The back cut is half-cut:							
2、One-sided version of the material, half-and-half base material, with good flexibility;							
3、  The gold plating area ，  The copper foil area.							
4、The coated product is bent by 180° without cracks and with good flexibility;							
5、The golden finger surface plas gold 1-3u" without oxidation. The copper foil connections have no cracks or conduction after 180° bending; ；							
6、Precise tolerance range of wiring and hole: +0.03mm. The tolerance of external dimensions falls within 0.2mm;							
7、The items making “*” are key sizes. The unmarked sizes are measured at 1:1 according to CND electronic profile.							
D				D			
8、The specific content and position of surface printing refer to the figure;							
NO.				1			
Date				2			
Modify content				3			
Version				4			
Remarks				5			
1				2			
2				3			
3				4			
4				5			
5				6			
6				7			
7				8			
8							



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	Third	Model	B651	Date	2025-02-15	Drawing	AuQiang	Page	6 of 7
0~10	±0.10	○	0.02	PART name	ANT5 antenna				
10~20	±0.12	◎	00.03	PART No.	P-CDF-02A-A-1-6A	Structure	AuQiang		
20~40	±0.15	⊥	0.02	Material	FPC+3M9467	RF			
40~	±0.20	∠	0.04	Mold surface treatment					
请勿实测图纸				位置		Appearance	treatment	Unit	mm
1				2	3	4	5	6	7
5				6	7	8			

REV: A

7 8 9

P*00.1
P*00.2
P*00.3
P*00.4
P*00.5
P*00.6

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antenna gain:

Standard	Band	Gain(dbi)	Standard	Band	Gain(dbi)
LTE	FDD-B1	-2.56	NR	N8	0.24
LTE	FDD-B2	0.66	NR	N20	-5.88
LTE	FDD-B3	2.89	NR	N25	0.66
LTE	FDD-B4	2.89	NR	N28	-5.13
LTE	FDD-B5	-5.88	NR	N38	0.97
LTE	FDD-B7	0.97	NR	N40	-1.92
LTE	FDD-B8	0.24	NR	N41	0.97
LTE	FDD-B12	-5.13	NR	N66	2.89
LTE	FDD-B13	-5.21	NR	N77	3.53
LTE	FDD-B17	-5.13	NR	N78	3.53
LTE	FDD-B18	-5.88	WCDMA	WCDMA-B1	-2.56
LTE	FDD-B19	-5.88	WCDMA	WCDMA-B2	0.66
LTE	FDD-B20	-5.88	WCDMA	WCDMA-B4	2.89
LTE	FDD-B25	0.66	WCDMA	WCDMA-B5	-5.88
LTE	FDD-B26	-5.88	WCDMA	WCDMA-B6	-5.88
LTE	FDD-B28	-5.13	WCDMA	WCDMA-B8	0.24
LTE	FDD-B66	2.89	WCDMA	WCDMA-B19	-5.88
LTE	TDD-34	-2.24	CDMA	BCO	-5.88

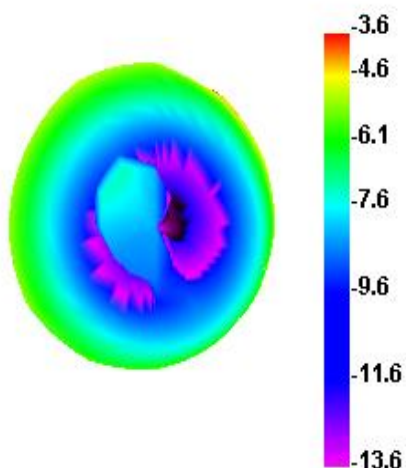
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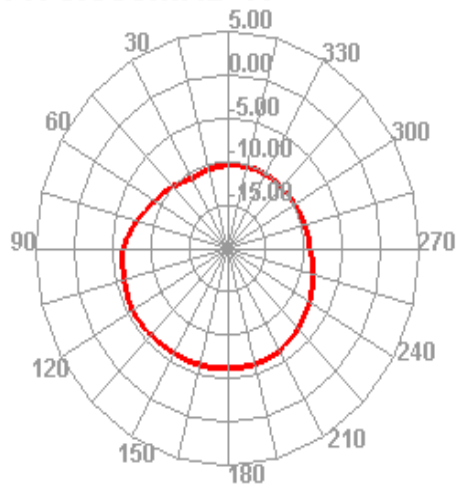
Standard	Band	Gain(dbi)	Standard	Band	Gain(dbi)
LTE	TDD-38	0.97	CDMA	BC1	-0.64
LTE	TDD-39	0.06	GSM	GSM 850	-5.88
LTE	TDD-40	-1.92	GSM	GSM 900	0.24
LTE	TDD-41	0.97	GSM	DCS 1800	2.89
NR	N1	-2.56	GSM	PCS 1900	0.66
NR	N2	0.66	GPS	1176	-2.43
NR	N3	2.89	GPS	1575	-2.53
NR	N5	-5.88	2.4G WiFi-5/BT	2.4G-2.5G	0.88
NR	N7	0.97	5G WIFI-5	5.1G-5.85G	0.96
2.4G WiFi-6/BT	2.4G-2.5G	3.29	5G WIFI-6	5.1G-5.85G	0.11

GPS1176: ANT5

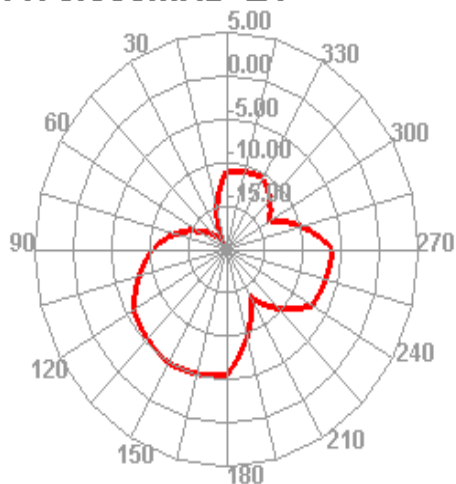
1175.000MHz



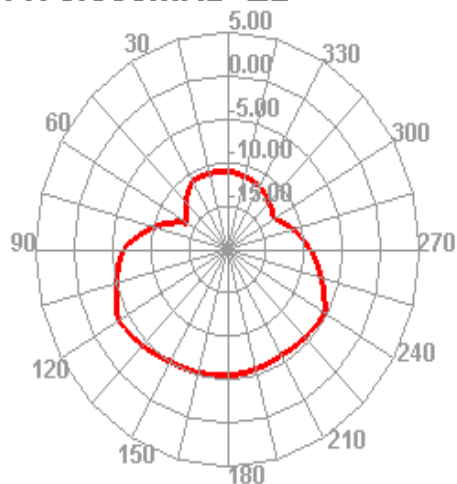
1175.000MHz H



1175.000MHz E1



1175.000MHz E2

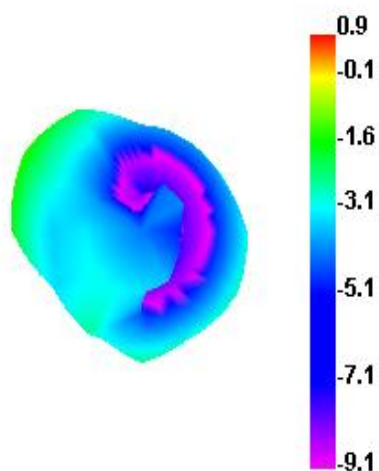


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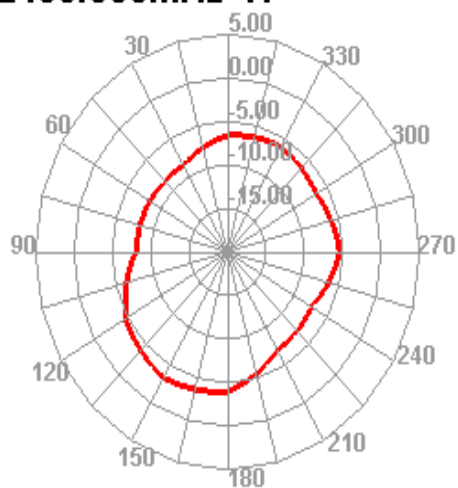
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WIFI-2.4G: ANT5

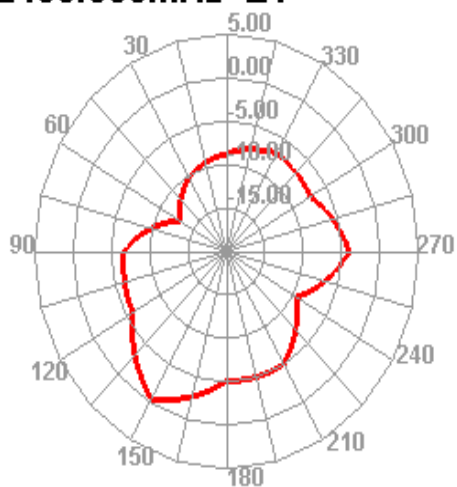
2400.000MHz



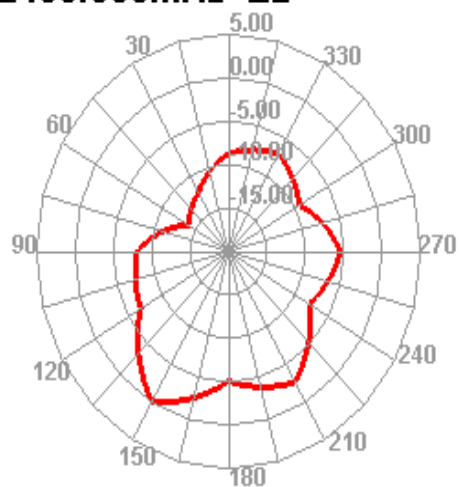
2400.000MHz H



2400.000MHz E1



2400.000MHz E2

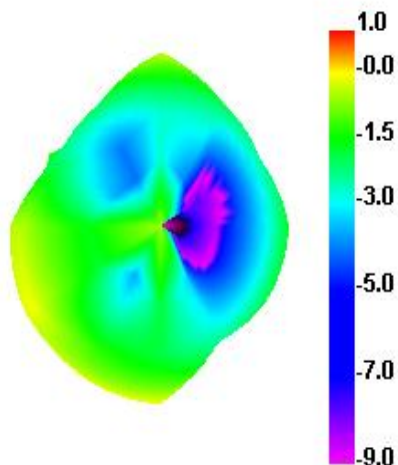


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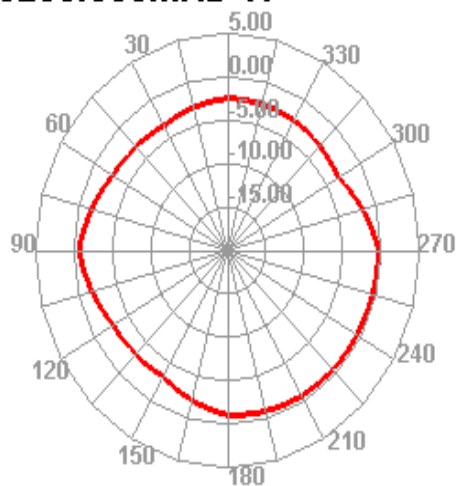
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WIFI-5.8G: ANT5

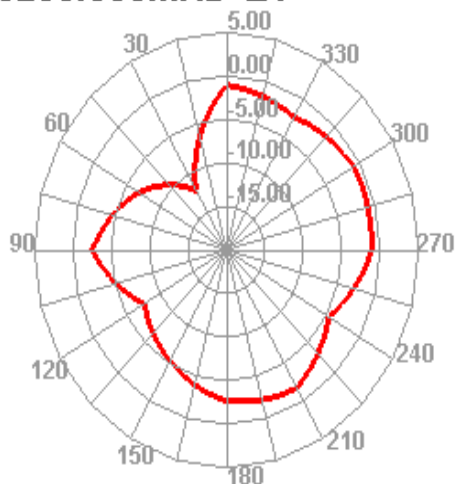
5250.000MHz



5250.000MHz H



5250.000MHz E1



5250.000MHz E2

