



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

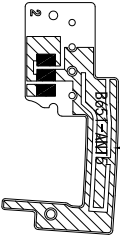
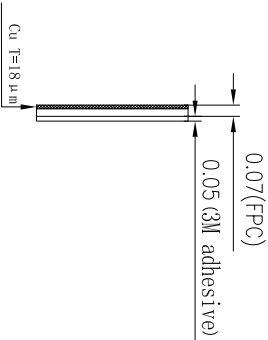
2

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.							
8、The specific content and position of surface printing refer to the figure;							
D				D			
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				9			



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	Third	Model	B651	Date	2025-02-15	Drawing	Antiang	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				
20~40	±0.15	⊥	0.02	Material	FPC+3M9467				
40~	±0.20	∠	0.04	Mold surface treatment					
		∠	0.02						
请勿实测图纸				位置	Appearance	treatment	Unit	mm	proportion
									1:1
									Version
									REV:A

REV: A

7 8 9

REV: A

REV: B

REV: C

REV: D

REV: E

REV: F

REV: G

REV: H

REV: I

REV: J

REV: K

REV: L

REV: M

REV: N

REV: O

REV: P

REV: Q

REV: R

REV: S

REV: T

REV: U

REV: V

REV: W

REV: X

REV: Y

REV: Z

REV: AA

REV: AB

REV: AC

REV: AD

REV: AE

REV: AF

REV: AG

REV: AH

REV: AI

REV: AJ

REV: AK

REV: AL

REV: AM

REV: AN

REV: AO

REV: AP

REV: AQ

REV: AR

REV: AS

REV: AT

REV: AU

REV: AV

REV: AW

REV: AX

REV: AY

REV: AZ

REV: BA

REV: BB

REV: BC

REV: BD

REV: BE

REV: BF

REV: BG

REV: BH

REV: BI

REV: BJ

REV: BK

REV: BL

REV: BM

REV: BN

REV: BO

REV: BP

REV: BQ

REV: BR

REV: BS

REV: BT

REV: BU

REV: BV

REV: BW

REV: BX

REV: BY

REV: BZ

REV: CA

REV: CB

REV: CC

REV: CD

REV: CE

REV: CF

REV: CG

REV: CH

REV: CI

REV: CJ

REV: CK

REV: CL

REV: CM

REV: CN

REV: CO

REV: CP

REV: CQ

REV: CR

REV: CS

REV: CT

REV: CU

REV: CV

REV: CW

REV: CX

REV: CY

REV: CZ

REV: DA

REV: DB

REV: DC

REV: DD

REV: DE

REV: DF

REV: DG

REV: DH

REV: DI

REV: DJ

REV: DK

REV: DL

REV: DM

REV: DN

REV: DO

REV: DP

REV: DQ

REV: DR

REV: DS

REV: DT

REV: DU

REV: DV

REV: DW

REV: DX

REV: DY

REV: DZ

REV: EA

REV: EB

REV: EC

REV: ED

REV: EE

REV: EF

REV: EG

REV: EH

REV: EI

REV: EJ

REV: EK

REV: EL

REV: EM

REV: EN

REV: EO

REV: EP

REV: EQ

REV: ER

REV: ES

REV: ET

REV: EU

REV: EV

REV: EW

REV: EX

REV: EY

REV: EZ

REV: FA

REV: FB

REV: FC

REV: FD

REV: FE

REV: FF

REV: FG

REV: FH

REV: FI

REV: FJ

REV: FK

REV: FL

REV: FM

REV: FN

REV: FO

REV: FP

REV: FQ

REV: FR

REV: FS

REV: FT

REV: FU

REV: FV

REV: FW

REV: FX

REV: FY

REV: FZ

REV: GA

REV: GB

REV: GC

REV: GD

REV: GE

REV: GF

REV: GG

REV: GH

REV: GI

REV: GJ

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REV: GL

REV: GM

REV: GN

REV: GO

REV: GP

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REV: GR

REV: GS

REV: GT

REV: GU

REV: GV

REV: GW

REV: GX

REV: GY

REV: GZ

REV: HA

REV: HB

REV: HC

REV: HD

REV: HE

REV: HF

REV: HG

REV: HH

REV: HI

REV: HJ

REV: HK

REV: HL

REV: HM

REV: HN

REV: HO

REV: HP

REV: HQ

REV: HR

REV: HS

REV: HT

REV: HU

REV: HV

REV: HW

REV: HX

REV: HY

REV: HZ

REV: IA

REV: IB

REV: IC

REV: ID

REV: IE

REV: IF

REV: IG

REV: IH

REV: II

REV: IJ

REV: IK

REV: IL

REV: IM

REV: IN

REV: IO

REV: IP

REV: IQ

REV: IR

REV: IS

REV: IT

REV: IU

REV: IV

REV: IW

REV: IX

REV: IY

REV: IZ

REV: JA

REV: JB

REV: JC

REV: JD

REV: JE

REV: JF

REV: JG

REV: JH

REV: JI

REV: JJ

REV: JK

REV: JL

REV: JM

REV: JN

REV: JO

REV: JP

REV: JQ

REV: JR

REV: JS

REV: JT

REV: JU

REV: JV

REV: JW

REV: JX

REV: JY

REV: JZ

REV: KA

REV: KB

REV: KC

REV: KD

REV: KE

REV: KF

REV: KG

REV: KH

REV: KI

REV: KJ

REV: KK

REV: KL

REV: KM

REV: KN

REV: KO

REV: KP

REV: KQ

REV: KR

REV: KS

REV: KT

REV: KU

REV: KV

REV: KW

REV: KX

REV: KY

REV: KZ

REV: LA

REV: LB

REV: LC

REV: LD

REV: LE

REV: LF

REV: LG

REV: LH

REV: LI

REV: LJ

REV: LK

REV: LL

REV: LM

REV: LN

REV: LO

REV: LP

REV: LQ

REV: LR

REV: LS

REV: LT

REV: LU

REV: LV

REV: LW

REV: LX

REV: LY

REV: LZ

REV: MA

REV: MB

REV: MC

REV: MD

REV: ME

REV: MF

REV: MG

REV: MH

REV: MI

REV: MJ

REV: MK

REV: ML

REV: MM

REV: MN

REV: MO

REV: MP

REV: MQ

REV: MR

REV: MS

REV: MT

REV: MU

REV: MV

REV: MW

REV: MX

REV: MY

REV: MZ

REV: NA

REV: NB

REV: NC

REV: ND

REV: NE

REV: NF

REV: NG

REV: NH

REV: NI

REV: NJ

REV: NK

REV: NL

REV: NM

REV: NN

REV: NO

REV: NP

REV: NQ

REV: NR

REV: NS

REV: NT

REV: NU

REV: NV

REV: NW

REV: NX

REV: NY

REV: NZ

REV: OA

REV: OB

REV: OC

REV: OD

REV: OE

REV: OF

REV: OG

REV: OH

REV: OI

REV: OJ

REV: OK

REV: OL

REV: OM

REV: ON

REV: OO

REV: OP

REV: OQ

REV: OR

REV: OS

REV: OT

REV: OU

REV: OV

REV: OW

REV: OX

REV: OY

REV: OZ

REV: PA

REV: PB

REV: PC

REV: PD

REV: PE

REV: PF

REV: PG

REV: PH

REV: PI

REV: PJ

REV: PK

REV: PL

REV: PM

REV: PN

REV: PO

REV: PP

REV: PQ

REV: PR

REV: PS

REV: PT

REV: PU

REV: PV

REV: PW

REV: PX

REV: PY

REV: PZ

REV: QA

REV: QB

REV: QC

REV: QD

REV: QE

REV: QF

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REV: QP

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REV: QR

REV: QS

REV: QT

REV: QU

REV: QV

REV: QW

REV: QX

REV: QY

REV: QZ

REV: RA

REV: RB

REV: RC

REV: RD

REV: RE

REV: RF

REV: RG

REV: RH

REV: RI

REV: RJ

REV: RK

REV: RL

REV: RM

REV: RN

REV: RO

REV: RP

REV: RQ

REV: RR

REV: RS

REV: RT

REV: RU

REV: RV

REV: RW

REV: RX

REV: RY

REV: RZ

REV: SA

REV: SB

REV: SC

REV: SD

REV: SE

REV: SF

REV: SG

REV: SH

REV: SI

REV: SJ

REV: SK

REV: SL

REV: SM

REV: SN

REV: SO

REV: SP

REV: SQ

REV: SR

REV: SS

REV: ST

REV: SU

REV: SV

REV: SW

REV: SX

REV: SY

REV: SZ

REV: TA

REV: TB

REV: TC

REV: TD

REV: TE

REV: TF

REV: TG

REV: TH

REV: TI

REV: TJ

REV: TK

REV: TL

REV: TM

REV: TN

REV: TO

REV: TP

REV: TQ

REV: TR

REV: TS

REV: TT

REV: TU

REV: TV

REV: TW

REV: TX

REV: TY

REV: TZ

REV: UA

REV: UB

REV: UC

REV: UD

REV: UE

REV: UF

REV: UG

REV: UH

REV: UI

REV: UJ

REV: UK

REV: UL

REV: UM

REV: UN

REV: UO

REV: UP

REV: UQ

REV: UR

REV: US

REV: UT

REV: UU

REV: UV

REV: UW

REV: UX

REV: UY

REV: UZ

REV: VA

REV: VB

REV: VC

REV: VD

REV: VE

REV: VF

REV: VG

REV: VH

REV: VI

REV: VJ

REV: VK

REV: VL

REV: VM

REV: VN

REV: VO

REV: VP

REV: VQ

REV: VR

REV: VS

REV: VT

REV: VU

REV: VV

REV: VW

REV: VX

REV: VY

REV: VZ

REV: WA

REV: WB

REV: WC

REV: WD

REV: WE

REV: WF

REV: WG

REV: WH

REV: WI

REV: WJ

REV: WK

REV: WL

REV: WM

REV: WN

REV: WO

REV: WP

REV: WQ

REV: WR

REV: WS

REV: WT

REV: WU

REV: WV

REV: WW

REV: WX

REV: WY

REV: WZ

REV: XA

REV: XB

REV: XC

REV: XD

REV: XE

REV: XF

REV: XG

REV: XH

REV: XI

REV: XJ

REV: XK

REV: XL

REV: XM

REV: XN

REV: XO

REV: XP

REV: XQ

REV: XR

REV: XS

REV: XT

REV: XU

REV: XV

REV: XW

REV: XX

REV: XY

REV: XZ

REV: YA

REV: YB

REV: YC

REV: YD

REV: YE

REV: YF

REV: YG

REV: YH

REV: YI

REV: YJ

REV: YK

REV: YL

REV: YM

REV: YN

REV: YO

REV: YP

REV: YQ

REV: YR

REV: YS

REV: YT

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REV: ZA

REV: ZB

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REV: ZP

REV: ZQ

REV: ZR

REV: ZS

REV: ZT

REV: ZU

REV: ZV

REV: ZW

REV: ZX

REV: ZY

REV: ZZ

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AFT tech Electronic Co., Ltd. (Shenzhen)

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

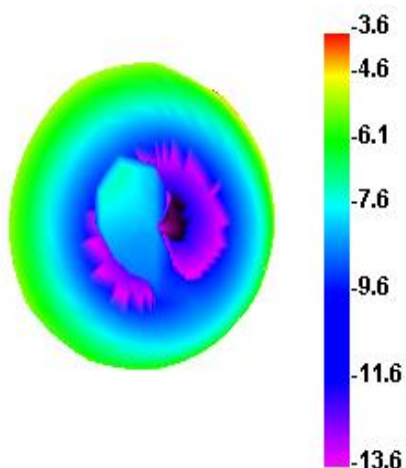
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深圳市无线智联科技有限公司

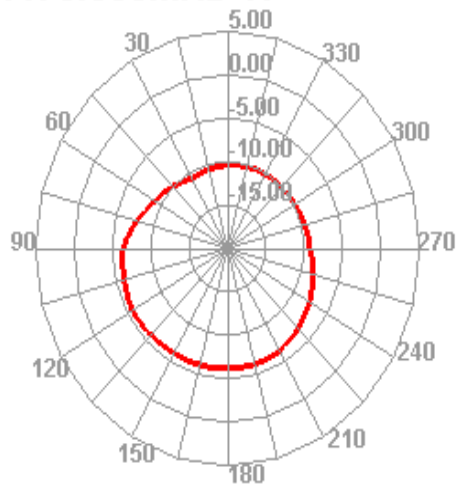
Standard	Band	Gain(dbi)	Standard	Band	Gain(dbi)
LTE	TDD-38	0.97	CDMA	BC1	-0.64
LTE	TDD-39	0.06	GSM	GSM 850	-5.88
LTE	TDD-40	-1.92	GSM	GSM 900	0.24
LTE	TDD-41	0.97	GSM	DCS 1800	2.89
NR	N1	-2.56	GSM	PCS 1900	0.66
NR	N2	0.66	GPS	1176	-2.43
NR	N3	2.89	GPS	1575	-2.53
NR	N5	-5.88	2.4G WiFi-5/BT	2.4G-2.5G	0.88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

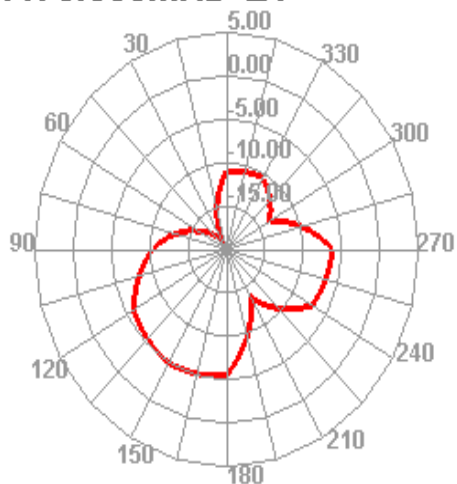
1175.000MHz



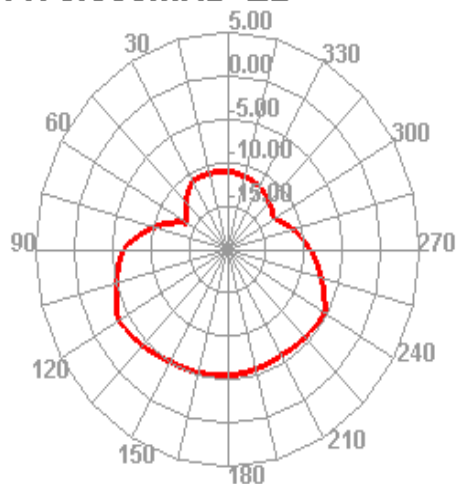
1175.000MHz H



1175.000MHz E1



1175.000MHz E2

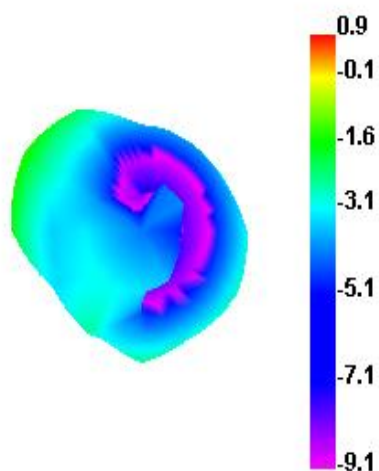


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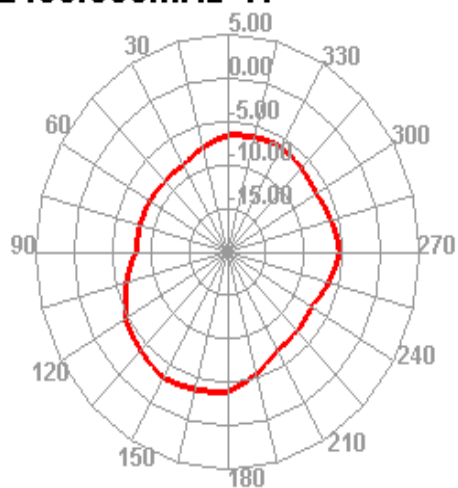
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WIFI-2.4G: ANT5

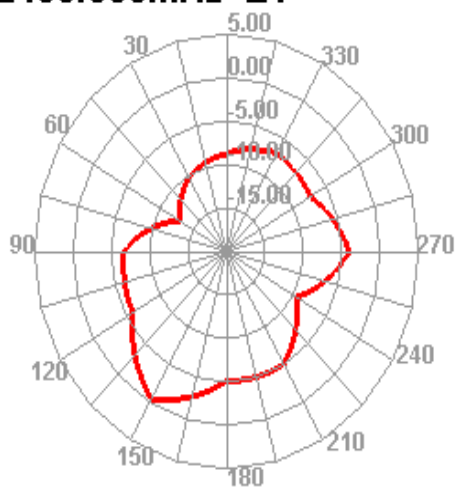
2400.000MHz



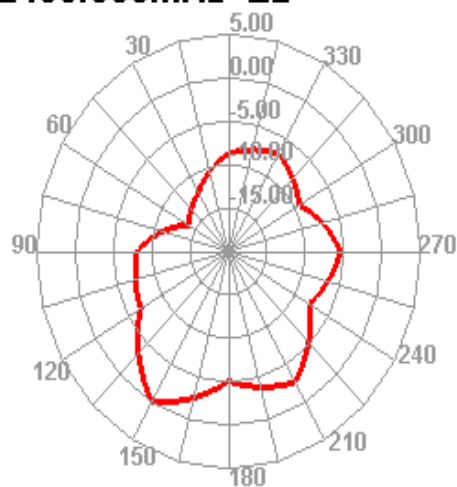
2400.000MHz H



2400.000MHz E1



2400.000MHz E2

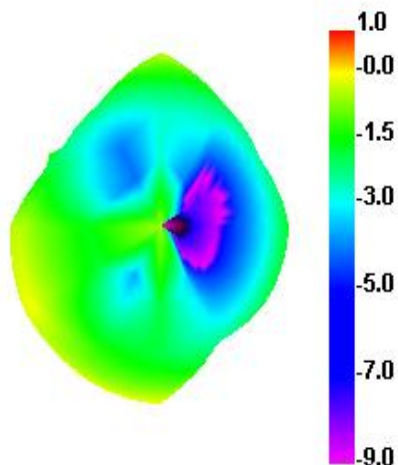


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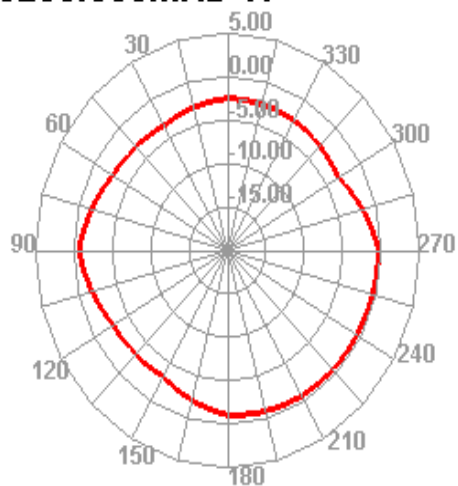
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WIFI-5.8G: ANT5

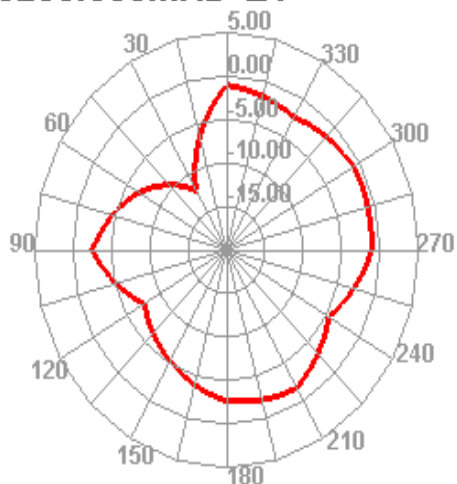
5250.000MHz



5250.000MHz H



5250.000MHz E1



5250.000MHz E2

