

2.4&5GHz FPC Antenna: ANF2620B2455F7K1

Application:

WLAN, 802.11.a/b/g/n/ac, Bluetooth, etc...

Features

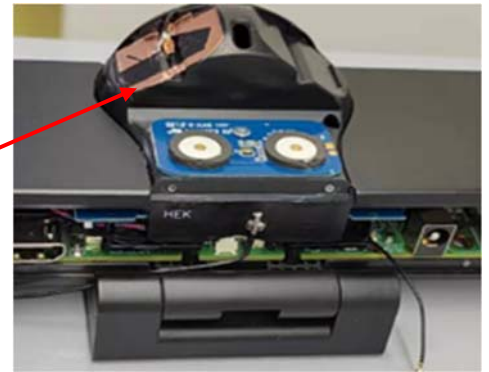
high reliability, ultra Impact, Omni-directional...

Part number

ANF 2620 B 2455 F7 K1
(1) (2) (3) (4) (5) (6)

(1) Product Code	FPC Antenna
(2) Size Code	25.6x20.4mm
(3) Packing	IN Bulk
(4) Frequency	2400MHz&5000MHz
(5) Series	F7
(6) Type	K1

ANT



ANT feed

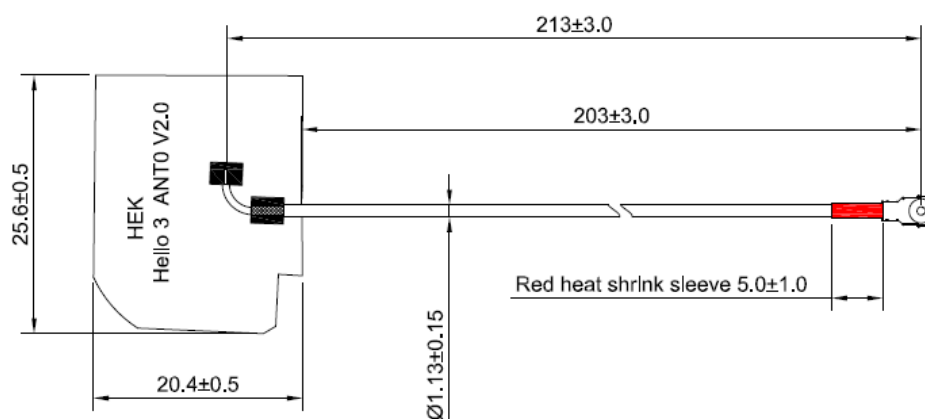


Electrical Specification

Working Frequency Range	2400~2500MHz 5700~5800MHz
Peak Gain	2.9dBi(type)
Impedance	50 Ohm
VSWR	3.0 Max
Polarization	Linear
vAzimuth Beam width	Omni-directional
Azimuth Beam width	-30~70℃

Frequency(MHz)	Effi (%)	Gain (dBi)
2400~2500	33.4~41.5	0.88~2.91
5700~5800	29.11~31.76	0.22~0.95

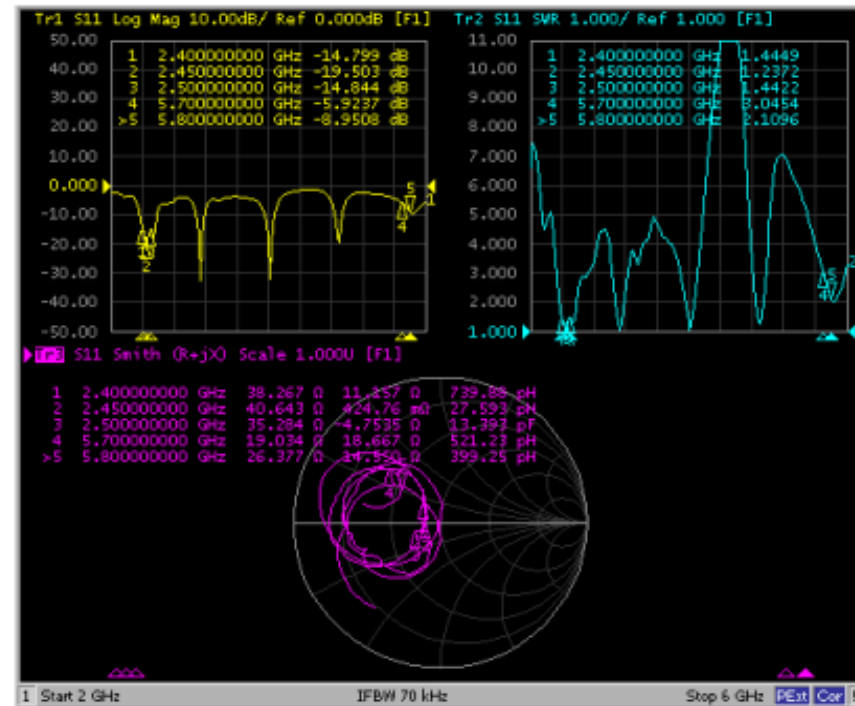
Dimension and Terminal Configuration



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Electrical Characteristics

Antenna S Parameter



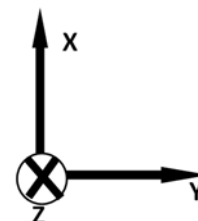
Item_V2	Value					
Frequency(MHz)	2400	2450	2500	5700	5750	5800
Smith(Ω)	38.26	40.64	35.28	19.03	22.56	26.37
Return loss(dB)	-14.79	-19.50	-14.84	-5.92	-7.01	-8.95
VSWR	1.44	1.23	1.44	3.04	2.63	2.10

Antenna Passive parameter

Frequency (MHz)	Efficiency (%)	Mean (dBi)	Peak Gain (dBi)
2400	35.47	-4.5	0.88
2420	33.41	-4.76	0.95
2440	37.32	-4.28	1.76
2460	38.69	-4.12	2.33
2480	41.57	-3.81	2.91
2500	38.08	-4.19	2.59
5700	31.66	-5	0.95
5720	30.10	-5.21	0.31
5740	30.61	-5.14	0.44
5760	31.76	-4.98	0.49
5780	29.11	-5.36	0.22
5800	30.58	-5.15	0.46

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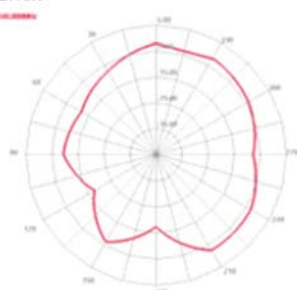
Radiation Pattern



2440MHz

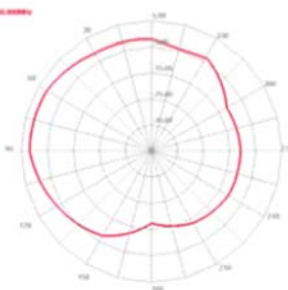
E1 Face

2440.000000



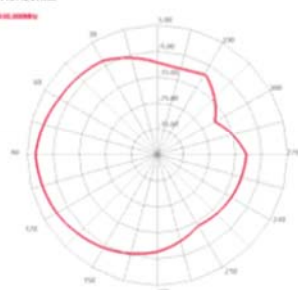
E2 Face

2440.000000



Horizontal

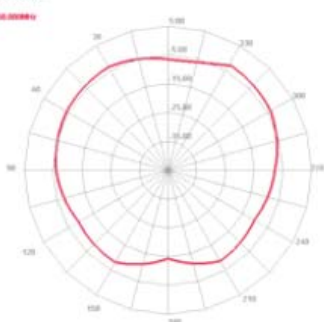
2440.000000



5750MHz

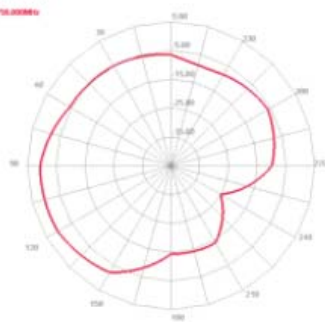
E1 Face

5750.000000



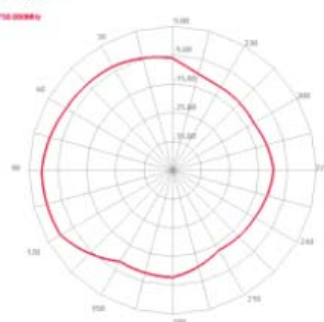
E2 Face

5750.000000



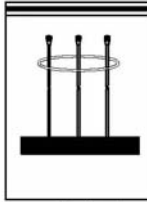
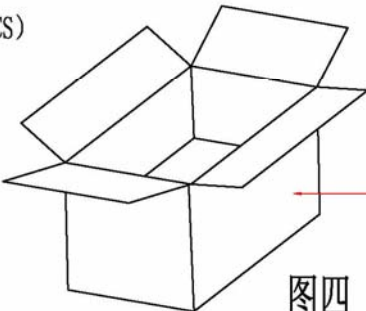
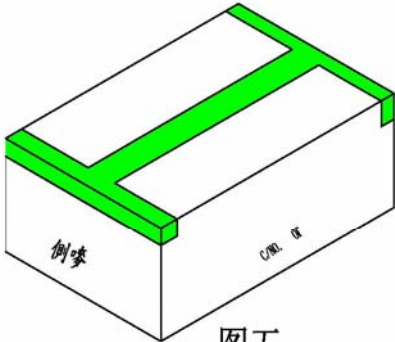
Horizontal

5750.000000



Packing

FRAME REV:04				DWG-XX-XXX	
REV	DESCRIPTION	DATE			
A/1	Jerry	02.10.2310			

1、1pcs产品	2、100PCS一捆	3、每一捆装入锁扣袋 贴客制标签
		
图一	图二	图三
4、每外箱装20袋（共计2000PCS）		
5、外箱封好贴客制外箱标签		
	外箱	
图四		
	图五	

THIRD ANGLE PROJECTION	DRAWING APPROVAL	东莞市合康电子有限公司 DONGGUAN HEKCON Electronics Co., Ltd	
	DWN: Jerry	CUS:	CUS P/N:
TOLERANCES UNLESS OTHERWISE SPECIFIED	CHK:	HEK P/N	ANT00558B2400ABP
ONE PLACE DECIMAL .1 N/A	APPD:	ITEM	
TWO PLACE DECIMAL .01 N/A	SIZE: L4		
THREE PLACE DECIMAL .001 N/A	UNIT: MM		
FOUR PLACE DECIMAL .0001 N/A	SCALE: - : -		
ANGULAR DIMENSION ONE N/A	SHEET: 1 OF 1	CUS REV: N/A	HK REV: A/1

TEL 0769-87888306 FAX 0769-87888656

Revision History

Version	Date	Description
Ver.01	Aug .2023	New issue.
Ver.02	Aug.2023	Change the silk screen from ANT1 to ANT0
Ver.03	Nov.2023	Modify coaxial cable length/add red heat shrink bushing