

2.4&5GHz FPC Antenna: ANF2620B2455F7K1

Application:

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

Features

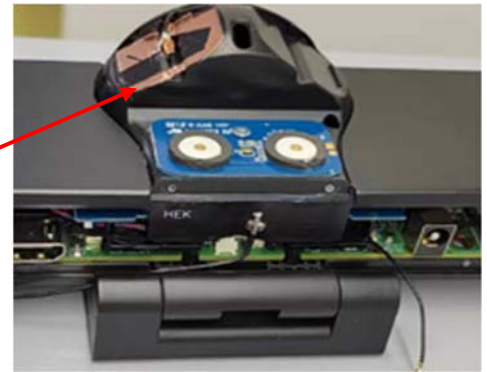
high reliability, ultra Impact, Omni-directional...

Part number

<u>ANF</u>	<u>2620</u>	<u>B</u>	<u>2455</u>	<u>F7</u>	<u>K1</u>
(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

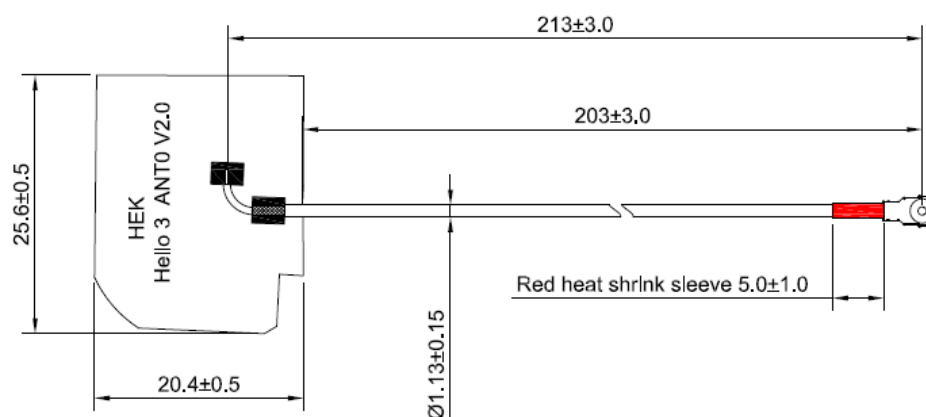


Electrical Specification

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°C

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

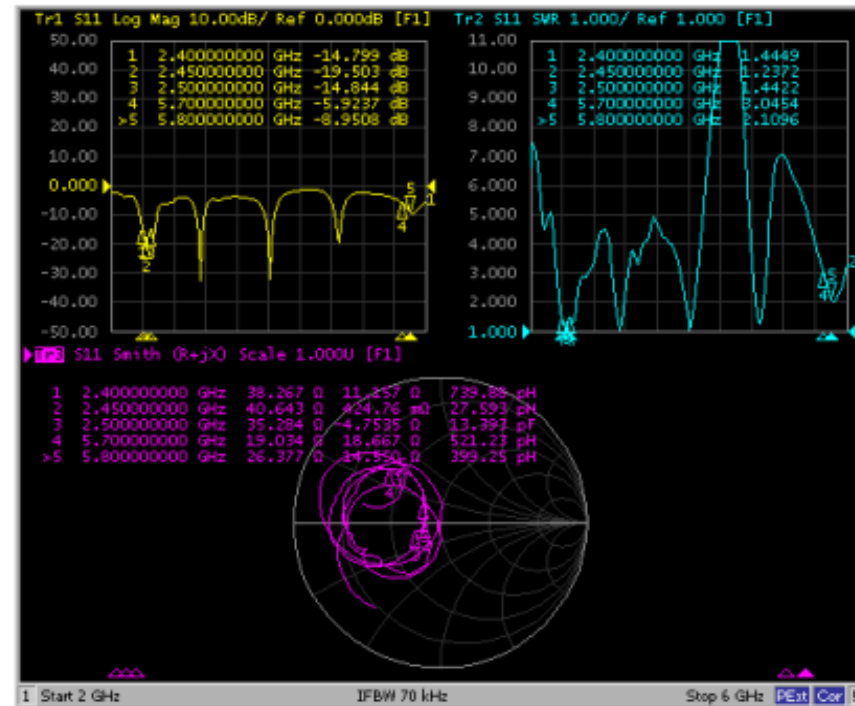
Dimension and Terminal Configuration



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Electrical Characteristics

Antenna S Parameter



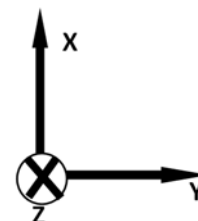
Item_V2	Value					
Frequency(MHz)	2400	2450	2500	5700	5750	5800
Smith(Ω)	38.26	40.64	35.28	19.03	22.56	26.37
Return loss(dB)	-14.79	-19.50	-14.84	-5.92	-7.01	-8.95
VSWR	1.44	1.23	1.44	3.04	2.63	2.10

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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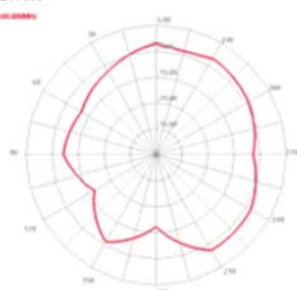
Radiation Pattern



2440MHz

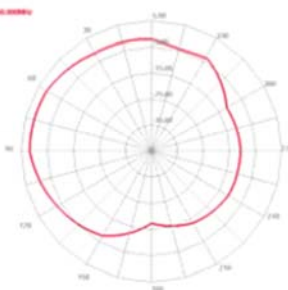
E1 Face

2440.000000



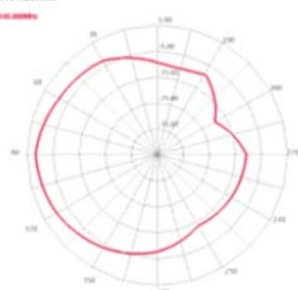
E2 Face

2440.000000



Horizontal

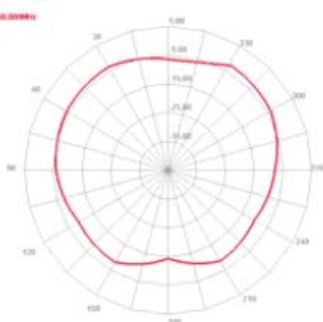
2440.000000



5750MHz

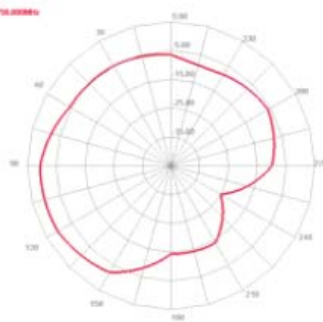
E1 Face

5750.000000



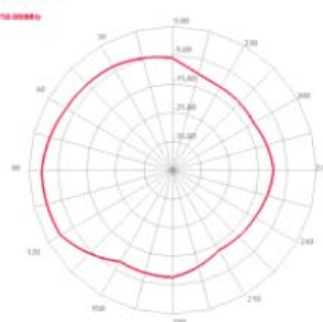
E2 Face

5750.000000

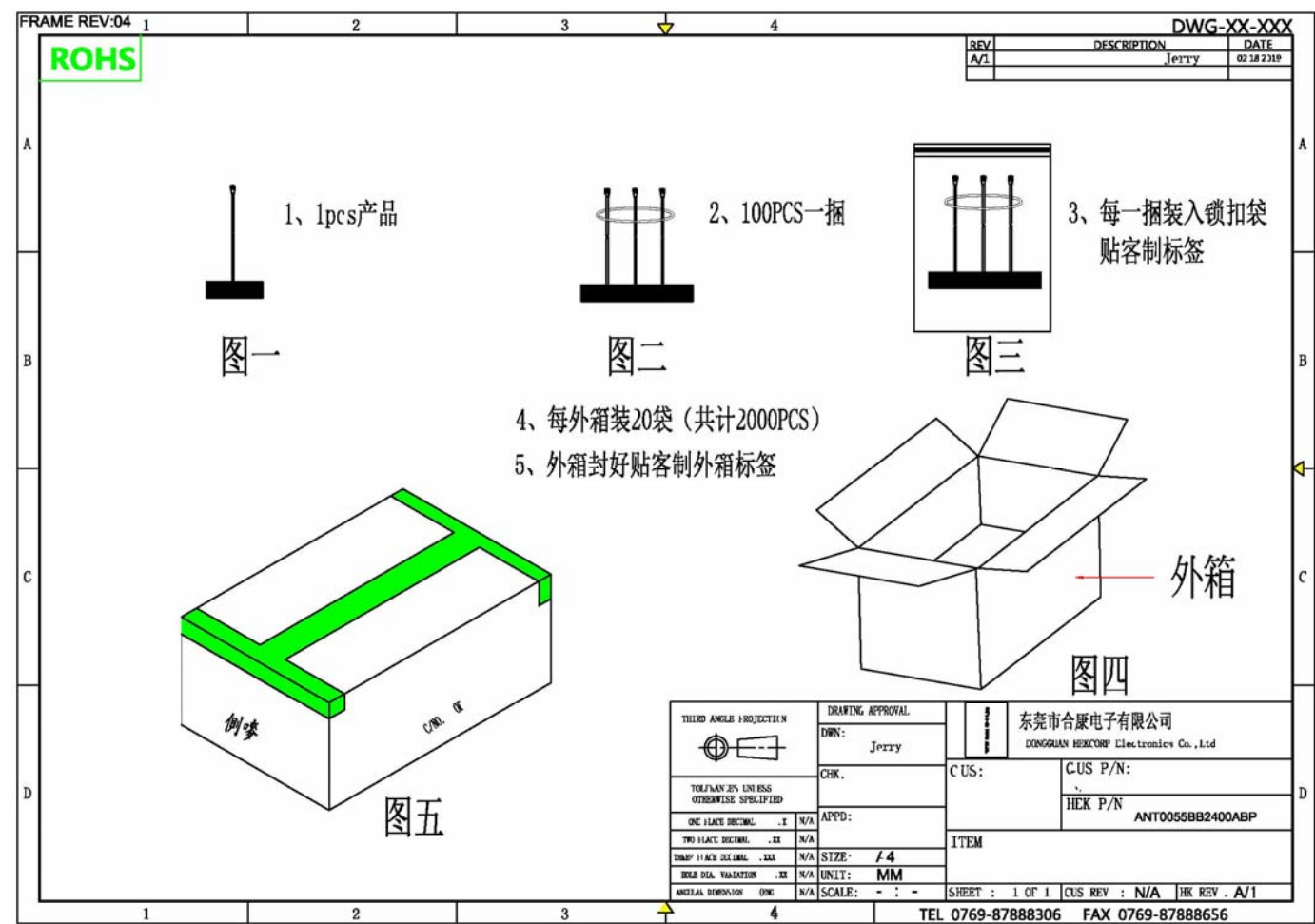


Horizontal

5750.000000



Packing



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