

258F 40x6 Antenna

FEATURES



- 2.34 dBi Peak Gain@2.4G
- 4.2 dBi Peak Gain@5.8G
- Welding RG 1.13 cable, Ipex connector, 3M sticker for easy installation.
- For smart device wireless, Zigbee, Bluetooth terminal

PRODUCTS

Part No.	Weight	Dimensions (L x WxH)	Cables Dimensions	Connector	Color
AIWF004		FPC:40.0*6.0*0.2 mm	Φ 1.13*100mm	IPEX1	Black

SPECIFICATIONS

PARAMETER	SPECIFICATION	
Frequency Bands, MHz	2400-2500	5100-5900
VSWR (Max)	4.0:1	2.5:1
Peak Gain, dBi (Typ)	Up to 2.34 dBi@2.4G/Up to 4.20 dBi@5.8G	
Peak Efficiency, (%)	Up to 47.13%@2.4G/Up to 69.36%@5.8G	
Nominal Impedance	50 Ω	
Max Power (ambient temp of 25°C)	10 Watts	
Azimuth Beam Width (deg)	60°	
Polarization	Linear	
Color	Black	
Storage Temperature Range (°C)	-40° C to +85° C	
Operational Temperature Range (°C)	-40° C to +85° C	
Material Substance Compliance	REACH/Rohs Compliant	

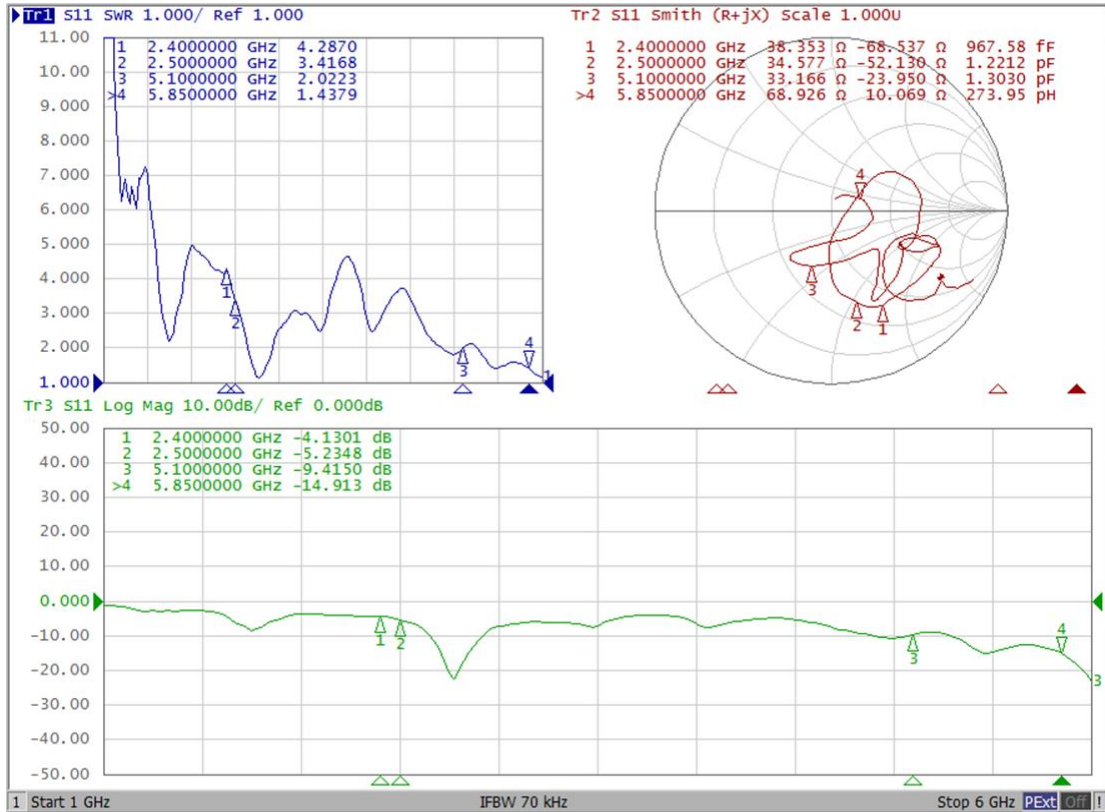
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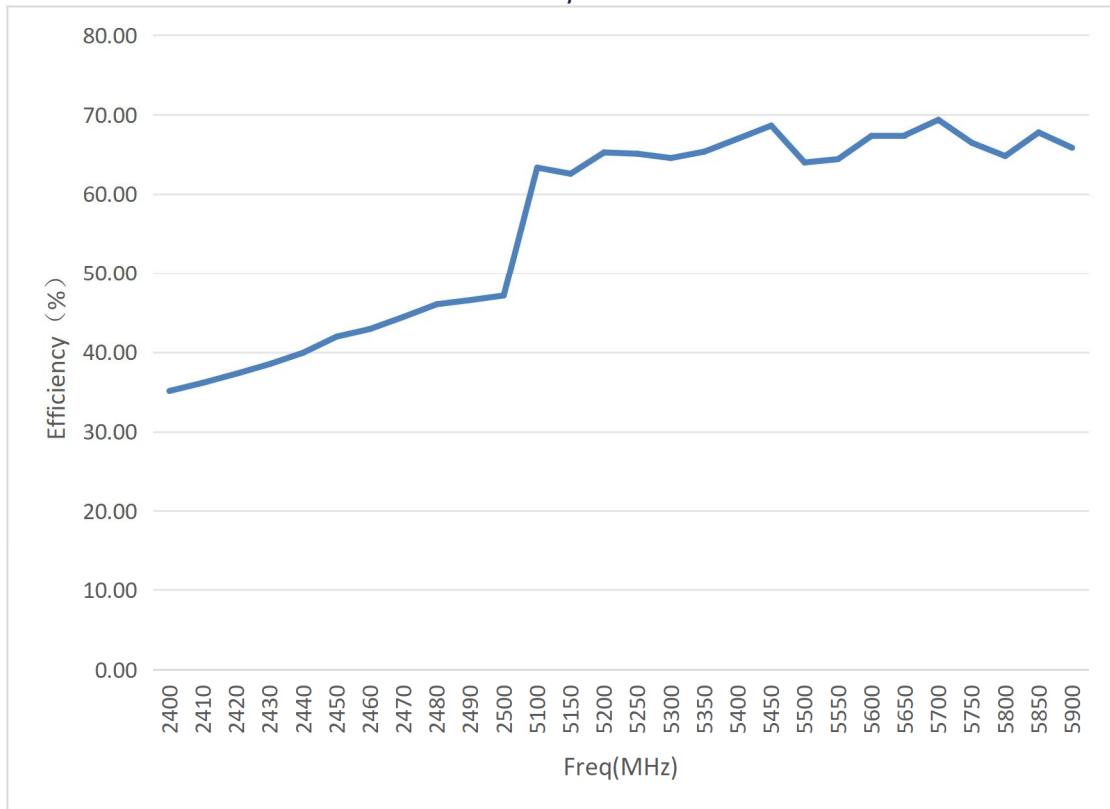
TEL: +86-0755-86503881 E-mail: nfc@myantenna.com

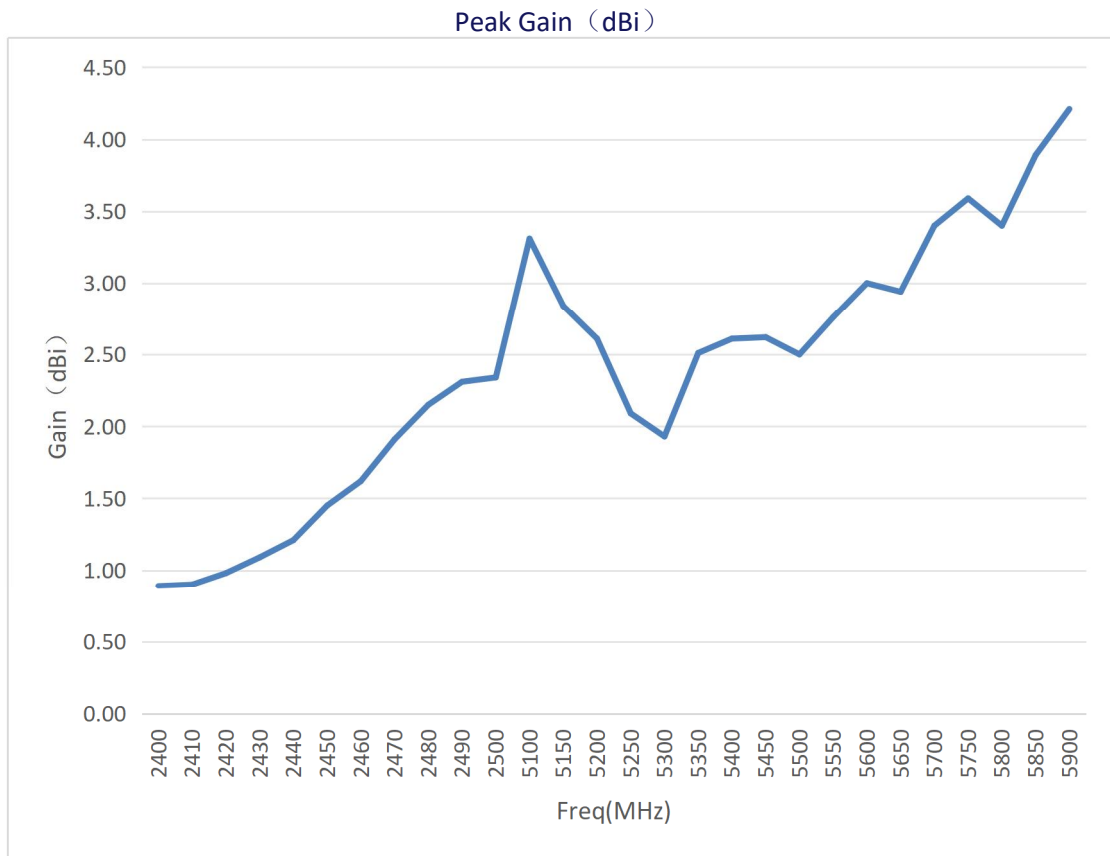
ELECTRICAL DATA

Return Loss



Efficiency (%)



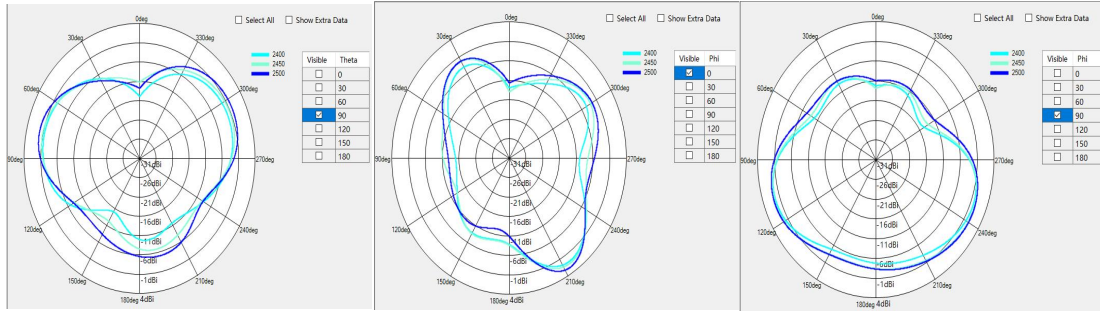


Data list

Freq (MHz)	Gain (dBi)	Efficiency (%)	Freq (MHz)	Gain (dBi)	Efficiency (%)
2400	0.89	35.11	5250	2.09	65.09
2410	0.90	36.14	5300	1.93	64.55
2420	0.98	37.28	5350	2.51	65.35
2430	1.09	38.50	5400	2.61	66.98
2440	1.21	39.92	5450	2.62	68.63
2450	1.45	41.95	5500	2.50	63.99
2460	1.62	42.91	5550	2.76	64.41
2470	1.91	44.43	5600	3.00	67.34
2480	2.15	46.03	5650	2.94	67.42
2490	2.31	46.55	5700	3.40	69.36
2500	2.34	47.13	5750	3.59	66.47
5100	3.31	63.34	5800	3.40	64.80
5150	2.84	62.57	5850	3.89	67.77
5200	2.61	65.25	5900	4.21	65.84

RADIATION PATTERNS

2D Radiation Pattern at 2450MHz Gain=1.45dBi



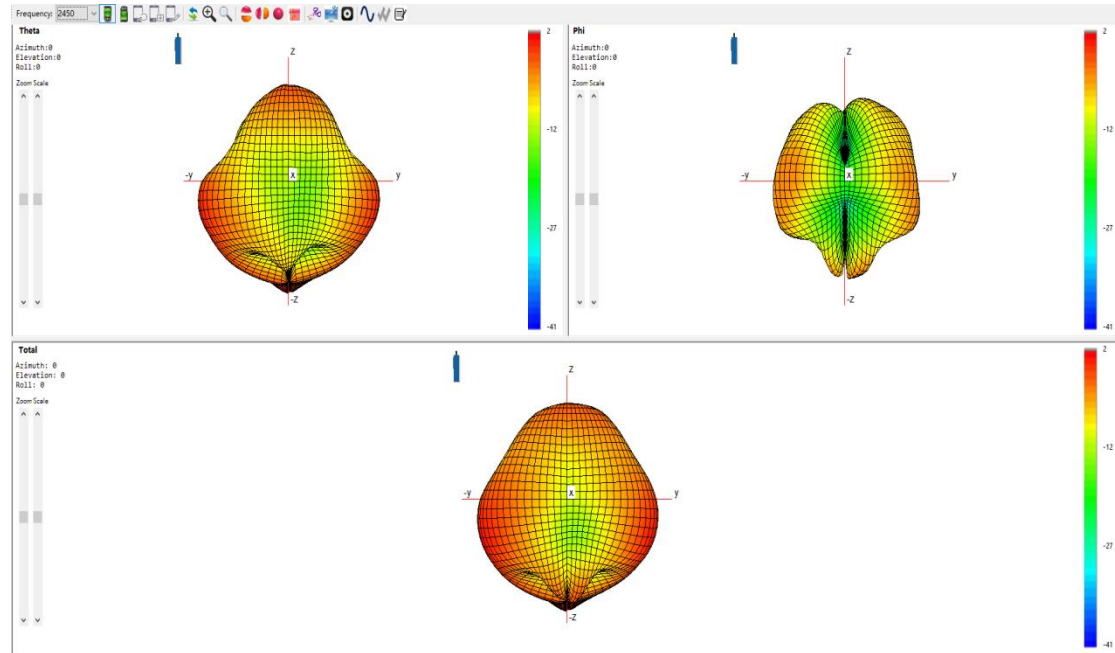
2D Radiation Pattern at 5150MHz Gain=2.84dBi



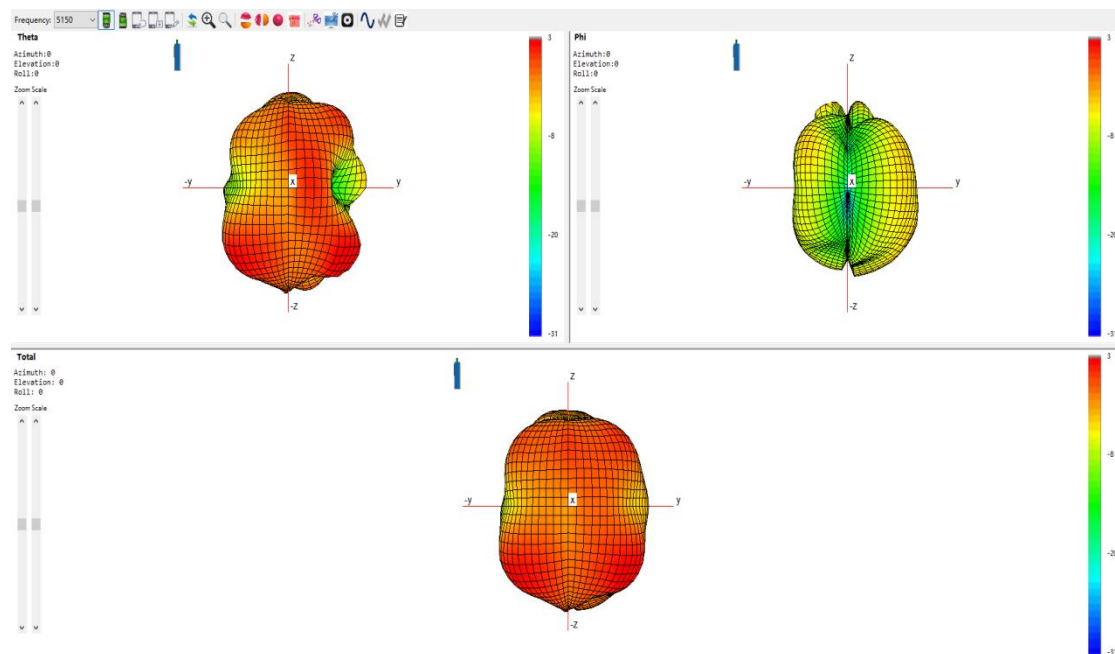
2D Radiation Pattern at 5750MHz Gain=3.59dBi



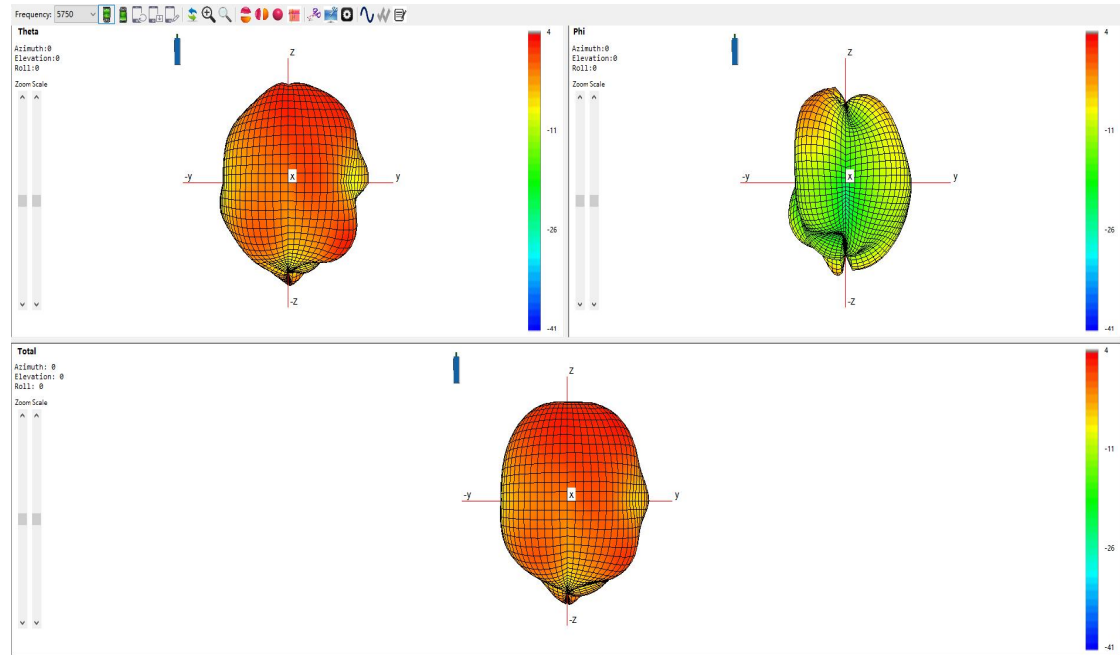
3D Radiation Pattern at 2450MHz Gain=1.45dBi



3D Radiation Pattern at 5150MHz Gain=2.84dBi



3D Radiation Pattern at 5750MHz Gain=3.59dBi



HOUSING CONFIGURATIONS

