

Specification

Product name: FPC antenna

Part no.: 74270074

Frequency: 800-1000/1700-2700MHz

Polarization mode: linear polarization

Radiation direction: Omni-directional

VSWR: ≤4.5

Antenna gain: 3dBi

Radiation efficiency: ≥30%

Power capacity: 4W

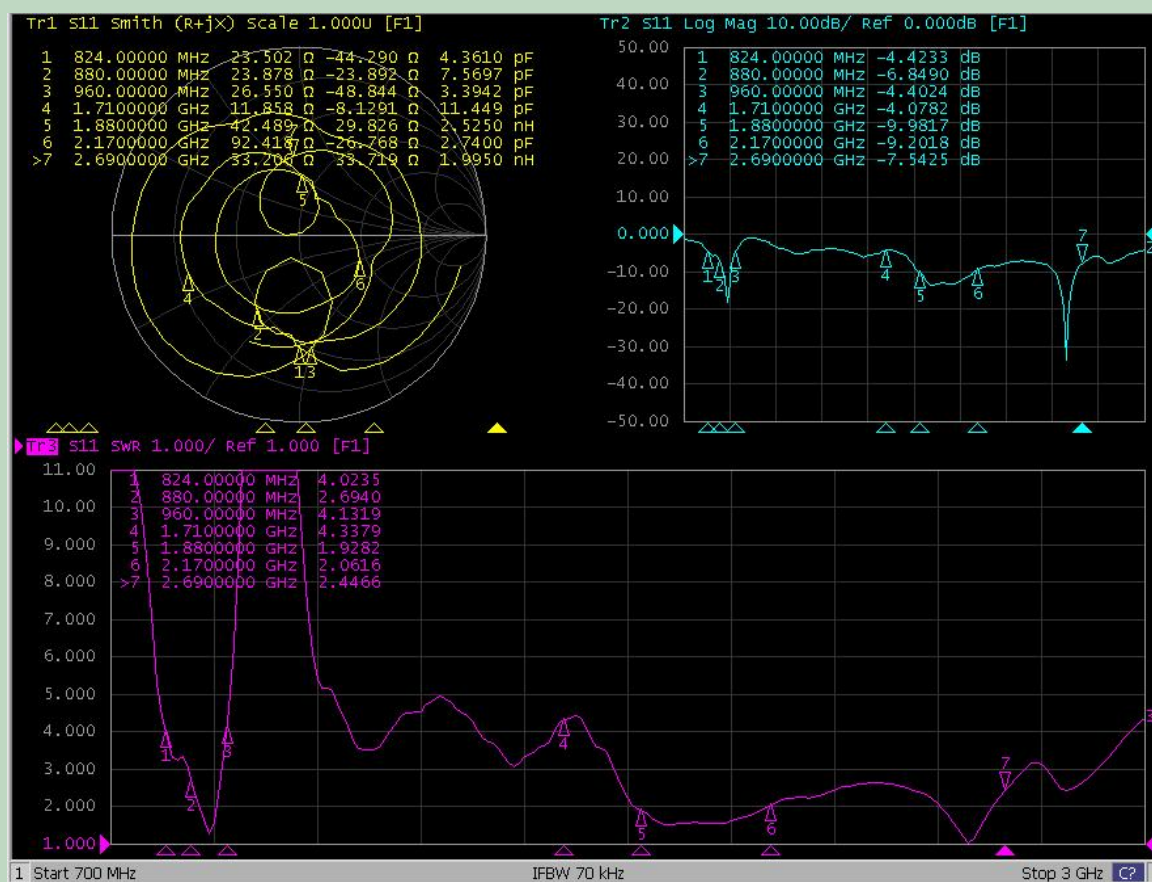
Working temperature: -40~80℃

Antenna size: 59(L)*9.3(W)*0.35(H)mm



Revision Date	Revised content	Edition	Version
20250717	First Edition	Chong Hu	V1.0

Typical S11 measure data.

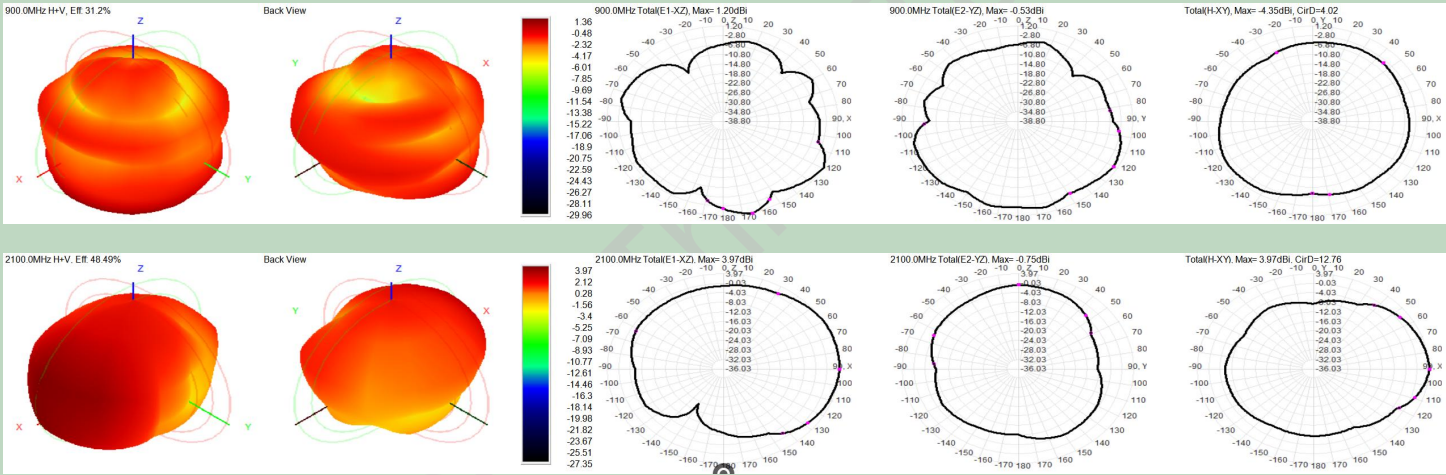


Typical Gain & Radiation efficiency data.

Frequency (MHz)	Gain (dBi)	Efficiency (%)
820	1.21	32.77
840	1.25	34.93
860	1.25	36.72
880	1.29	38.76
900	1.36	31.20
920	1.21	31.62
940	1.29	31.96
960	1.11	30.61
1700	1.73	37.84
1750	2.64	37.65
1800	2.03	42.52
1850	1.82	39.90
1900	2.36	39.35
1950	2.42	47.88
2000	2.11	49.95
2050	2.42	51.34
2100	3.97	48.49

2150	3.18	46.69
2200	3.04	43.74
2250	2.63	40.14
2300	2.66	36.79
2350	2.09	36.95
2400	2.73	36.35
2450	2.60	32.48
2500	2.56	36.38
2550	2.55	37.34
2600	2.54	36.49
2650	2.09	41.58
2700	1.98	31.49

Typical Radiation pattern.



Environmental Report

Item	Specification	Material	RoHS Inspection results (PPM)						ICP Test number	detection time
			Cd	Pb	Hg	Cr+6	PBB	PBDE		
1	line	FEP	ND	ND	ND	ND	ND	ND	NGBPC24007471211	2024/12/23
		Tinned Copper	ND	ND	ND	ND	ND	ND	A2240376995101001	2024/7/1
2	terminal	PBT	ND	ND	ND	ND	ND	ND	A2250134628103008E	2025/3/12
		Phosphor bronze	ND	4	ND	ND	ND	ND	CANEC24029407215	2025/1/8
3	FPC	PI	ND	ND	ND	ND	ND	ND	SHAEC24028809005	2024/12/20
		Adhesive back	ND	ND	ND	ND	ND	ND	SHAEC24027480901	2024/12/6