

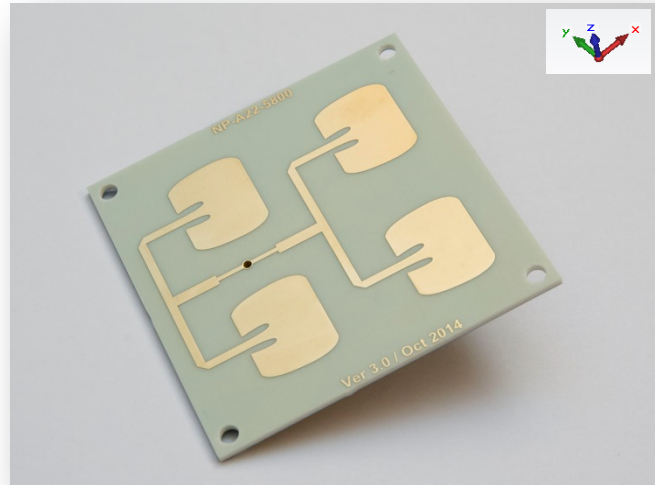
# Flat Antenna NP-A22-5800

## Features

- Center frequency: 5.87 GHz
- Bandwidth (min): 240 MHz
- Gain: 10 dB
- Beamwidth: 48°

## Applications

- Short range radars
- Wireless data transmission



## Electronic Properties

Parameter	Conditions / Notes	Value	Unit
Min. Frequency	VSWR=2.5	5.71	GHz
Max. Frequency	VSWR=2.5	5.97	GHz
Gain	Typ.	10	dB
Impedance	Typ.	50	Ohm
Angular width	XZ Plane	48	Deg
Main lobe direction	XZ Plane	-2	Deg
Side lobe level	XZ Plane	-21	dB
Angular width	YZ Plane	48	Deg
Main lobe direction	YZ Plane	0	Deg
Side lobe level	YZ Plane	-	dB
Back lobe level		-18	dB
Size	w/o connector	60x60x1.6	mm
Material		Rogers RO4003C	
Layers		1	
Connector <sup>1)</sup>		U.FL <sup>2)</sup> or SMA <sup>3)</sup> type	

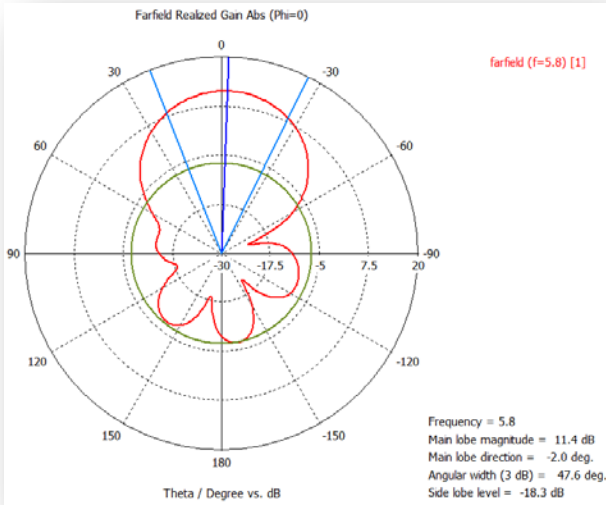
1) A SMT type connector shall be mounted on the back side of the antenna.

2) Similar to [HIROSE ELECTRIC CO., LTD. U.FL Series](#) connectors.

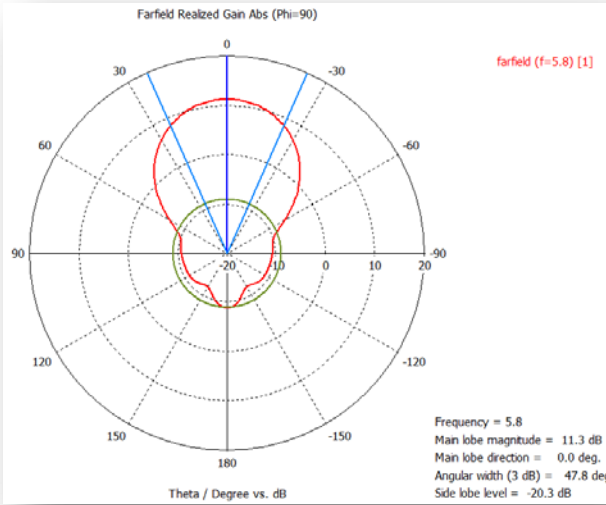
3) Similar to [Pasternack Enterprises, Inc. PE4910](#) connector.

# Antenna Pattern

## XZ Plane



## YZ Plane



# S11 Measurement

