

2.4GHz Wireless WiFi Parabolic Grid 24dBi Die Cast Antenna

Part No: GL-DY2225V24

1. Introduction

Grid parabolic antenna is designed for the spread spectrum system, operates in the 2.1-2.5 GHz band and provides 24dBi directional Parabolic Grid antennas operation.

This antenna features high gain, long coverage, lightweight, compact structure and excellent wind-resistance. It is used for outdoor and the range is up to 5-20 km

2.4 GHz antenna, which focuses the signal and reflects the power off of the dish, creating very high power in a highly directional beamwidth. You can think of the radio signal beam of a high gain parabolic

dish / grid antenna as shining a high power flashlight directly at your target.

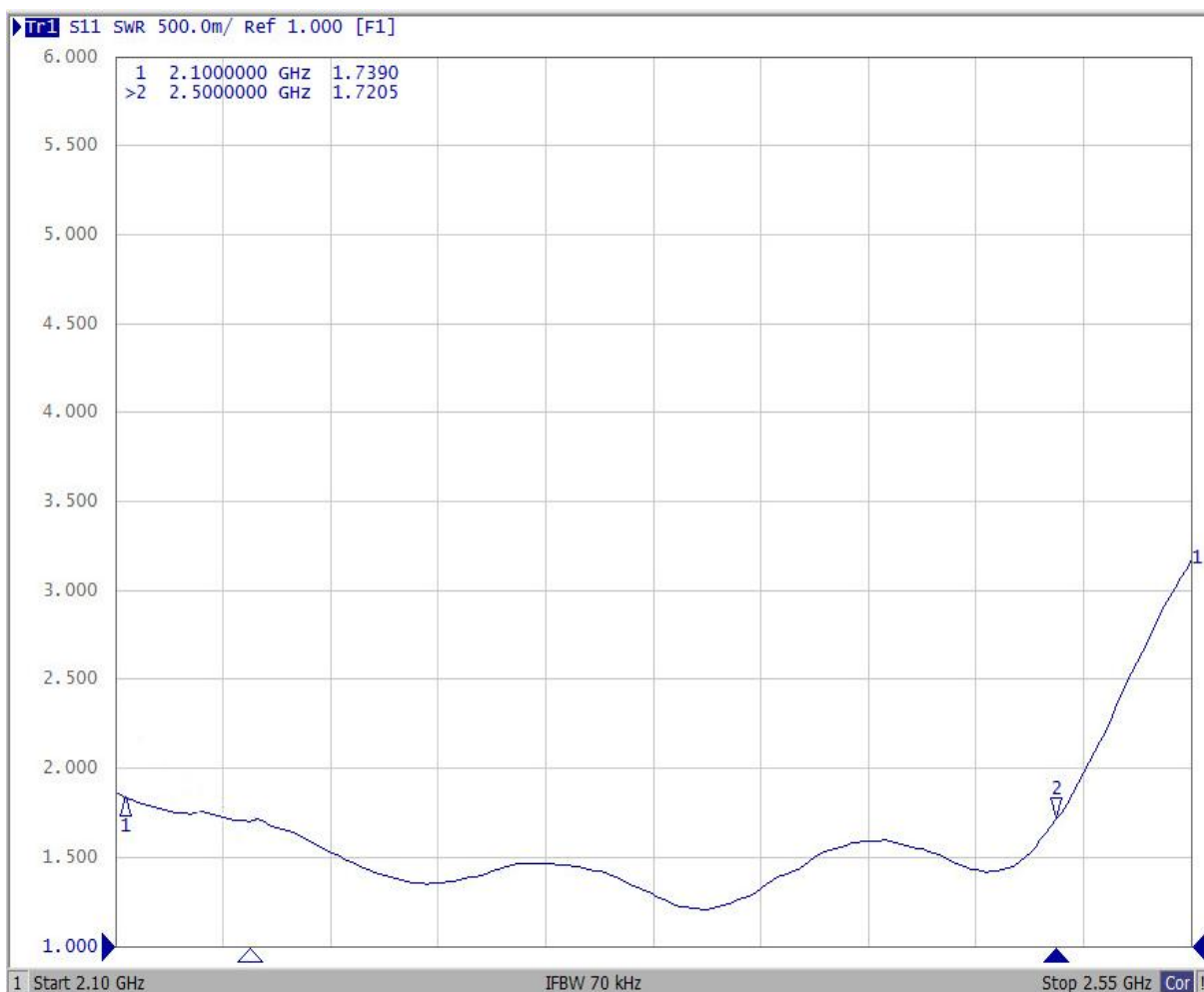
The higher the parabolic grid's gain, the narrower the beam. The 24dB Grid antenna, is a simple, tested and excellent light weight design, now made out of aluminum and powder coated for years of use. 2-piece dish assembles in minutes, includes all hardware and pieces for assembly.



2. Specification

Electrical	
Frequency Range	2100-2500MHz
Band width	400MHz
F/B Ratio	≥25dB
Gain	24dBi
V.S.W.R	≤2.0
Radiation	Direction
Horizontal Beam width	10°
Vertical Beam width	14°
Polarization	Vertical
Lightning Protection	DC Grounded
Maximum Input Power	100W
Impedance	50Ω
Connector	N Female
Cable Type	LMR240
Cable Length	30cm
Antenna Radome Material	Aluminium alloy
Mount way	Pole
Diameter of Installation Pole	Ø50~Ø70mm
Mechanical	
Antenna Dimension	600x900mm
Weight	2.3KG
Operating Temperature	-40℃ to+70℃
Rated Wind Velocity	60m/s
RoHS Compliant	YES

3.V.S.W.R



4.Radiation Pattern

序号	频率 (MHz)	增益 (dBi)	效率 (%)
1	2100.0	20.92	75.59
2	2250.0	21.04	76.78
3	2300.0	20.77	74.88
4	2350.0	20.53	76.45
5	2400.0	19.75	72.56
6	2450.0	19.51	69.49
7	2500.0	19.57	66.40

