

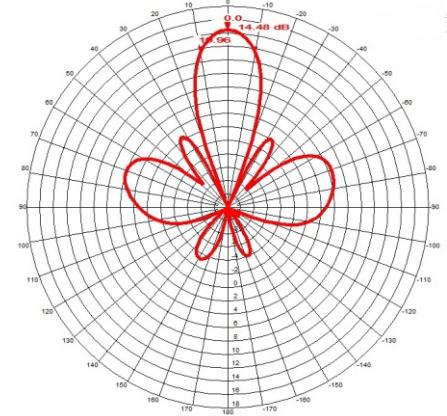
Protected By
2 or More
US Patents

Wide-Band Grid Parabolic Antenna 15 to 26 dBi 600-6500Mhz Continuous Coverage Instant Bandwidth

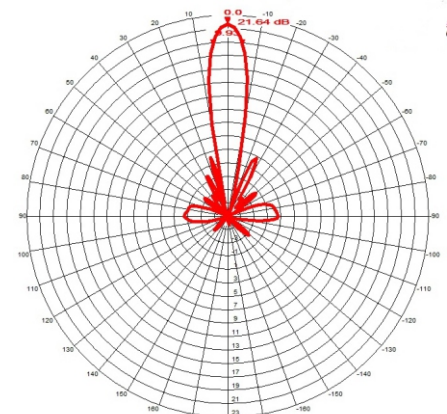
Engineered & Assembled in The USA

- 2G, 3G, 4G, 5G. Works on all worldwide cellular bands for voice & data: 5G NR/LTE/CDMA/GSM/UMTS/AWS. 600MHz band included.
- All WiFi Bands, including new 5GHz, 600MHz & 3.5GHz spectrum
- ISM 900 & 1200MHz, SDR, plus GPS band Jammer
- Military, Government, Homeland Security Bands
- Scanner, Narrow Beam Spectrum Search & Energy Harvesting
- Sirius-XM (with avail. amplifier) Deep Fringe to Stationary Sats.
- Simple install kit with tilt/swivel mast bracket for 1.25 to 2" diameter pipe/mast
- Gain & Beamwidth Can Optimized at 600-900 or 4000-6500 MHZ
- Light Weight, Easy To Assemble & Install For Home And Office
- Heavy-Duty Commercial Grade Model Available
- FeedHorn System Designed to Fit Larger Reflectors. +3 +6 dB Gain

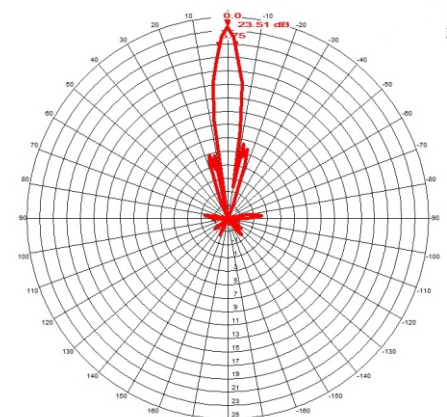
Actual Performance
Charts. See Page 2
For Full Gain Charts



Typical 700-895
Mid Position



Typical 1700-2200
Mid Position



Typical 3000-5000
Mid Position

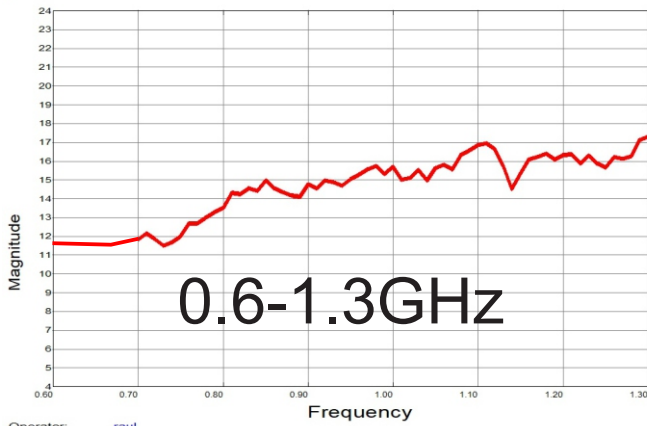
Electrical specifications

Frequency range (MHZ)	600 - 6500
Polarization	Vertical or Horizontal or Diagonal
Gain	15 dBi Low / 20 dBi Mid / 26 dBi High Bands
Half-power beam width(°)	Low Band: 20° Horiz, 23° Vert
Half-power beam width(°)	Mid Band: 12° Horiz, 15° Vert
Half-power beam width(°)	High Band: 7° Horiz, 9° Vert
Front-to-back ratio(dB) Impedance(Ω)	≥ 20 AVG
VSWR	≤ 1.6:1 / 1.4:1 avg
Maximum input power(W)	100 Watts
Lightning protection	DC Ground

Mechanical specifications

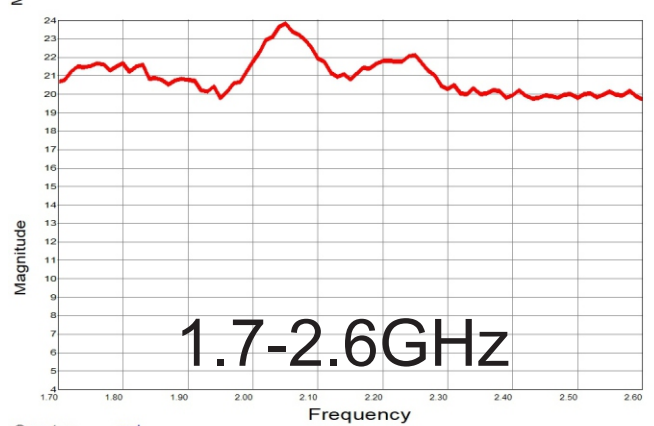
Connector	N-Female
Dimensions (in / mm)	24x39x16 / 60x99x40
Dimensions, boxed (in / mm)	20x25x4 / 51x63x10
Antenna weight (lb / kg)	5.3 / 2.4 w/bracket
Packing weight (lb / kg)	7.2 / 3.3
Wind loading area (sq ft / m)	
Rated wind velocity (mph / kph)	130 / 209
Wind Load @ Rated Velo. (lb / kg)	150 / 68
Mounting mast diam. (in / mm)	1.5-2.0 / 40-50
Reflector material	Aluminum
Reflector Finish:	Electrostatic Powder Coat
Radome material	ASA Anti UV
Antenna System color	Flat Gray
Water resistance	IPX Weather rated
Operating temperature(°C / F)	-40 to +60 / -40 to +140

Gain Data Feed Horn Mid Position Default



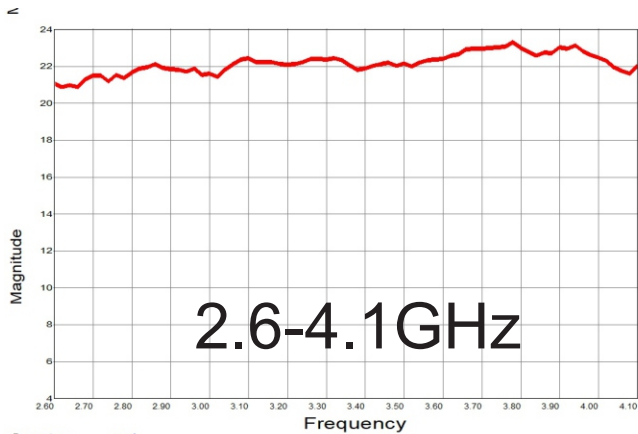
Operator: raul
Test Channel: S21
Test Comments: prodn housing and tube sample, stock position
141 hard line with rg-316 feeder

959 Spectrum
ORBIT/FR



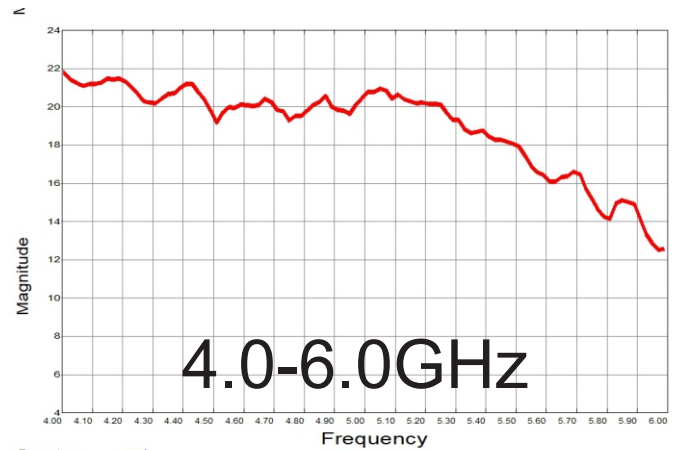
Operator: raul
Test Channel: S21
Test Comments: 60x99 grid prodn housing+tube, 141 hardline f
with rg-316 entry, stock position FH

959 Spectrum
ORBIT/FR



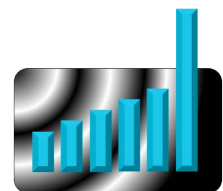
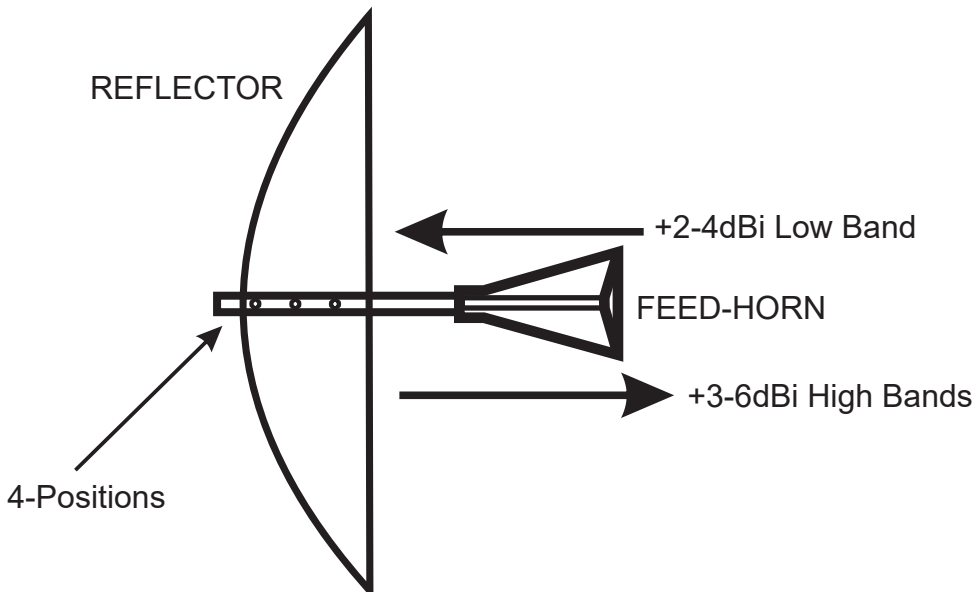
Operator: raul
Test Channel: S21
Test Comments: LP Grid fullproto parts 3" out 2.5-4GHz

959 Spectrum
ORBIT/FR



Operator: raul
Test Channel: S21
Test Comments: COM-0665 prodn tube and housing FH
stock position

959 Spectrum
ORBIT/FR



Wide-Band Grid Parabolic Antenna 14 to 25 dBi 600-6500Mhz Continuous Coverage Instant Bandwidth

DESIGN IMPROVEMENT

JULY 2019 UPDATE

1. Changed To A 1-Piece Shaped Metal Feed-Horn Holder.
2. Added A Molded Rubber Gasket Vibration Dampener And Water Seal.

The new changes make a great antenna even better. Now with enhanced appearance and a more professional finish.

Improved mechanicals provide more reliable extended life in harsh moisture and wind environments.

Continuos Improvement Assurance On The Most Innovative Antenna Available For Today's Broad-Band Users.

