

## 2100 – 2200 MHz Parabolic Grid

### Features:

- Lightweight and durable construction.
- Feed input Type N as shown, for others see Note 2 below.
- Grid antenna designs offer lower wind-loading, typically reduced 40% or more from a comparable sized solid antenna without ice.
- Feed guy wires are included where necessary.
- Antenna features independent azimuth and elevation adjustment.
- Antenna Survival Ratings: 1 inch (25mm) of ice and 125 mph (201 kmh) wind.
- Antenna mounts to 4.5 in. OD (114 mm) (4 in. IPS) vertical pipe mast. Optional 2.38 in. - 4 in. OD (60 mm – 102 mm) mast-mount available for 4 ft (1.2 m) antenna.
- All mWAVE – Mark Grid Series antennas meet or exceed Standard ANSI/TIA-222.



2100 – 2200 MHz Parabolic Grid

### Electrical Specifications

| Frequency MHz | Model No.    | Pol. | Size |     | Reg. | Gain, nominal dBi |      |      | HPBW Deg. | XPD dB | F/B dB | VSWR max | R.L. dB |
|---------------|--------------|------|------|-----|------|-------------------|------|------|-----------|--------|--------|----------|---------|
|               |              |      | ft.  | m   |      | Low               | Mid  | High |           |        |        |          |         |
| 2100 – 2200   | P-21A36GN-U  | LP   | 3    | 0.9 | -    | 23.6              | 23.8 | 24.0 | 9.0       | 34     | 26     | 1.5:1    | 14.0    |
| 2100 – 2200   | P-21A48GN-U  | LP   | 4    | 1.2 | -    | 26.5              | 26.7 | 26.9 | 6.9       | 35     | 36     | 1.3:1    | 17.7 †  |
| 2100 – 2200   | P-21A72GN-U  | LP   | 6    | 1.8 | B**  | 29.7              | 29.9 | 30.1 | 5.0       | 45     | 38     | 1.2:1    | 20.8 †  |
| 2100 – 2200   | P-21A72GN-S  | LP   | 6    | 1.8 | B**  | 29.7              | 29.9 | 30.1 | 5.0       | 45     | 38     | 1.2:1    | 20.8 †  |
| 2100 – 2200   | PA-21B72GN-U | LP   | 6    | 1.8 | A**  | 29.7              | 29.9 | 30.1 | 4.9       | 45     | 40     | 1.2:1    | 20.8 †  |
| 2100 – 2200   | PA-21B72GN-S | LP   | 6    | 1.8 | A**  | 29.7              | 29.9 | 30.1 | 4.9       | 45     | 40     | 1.2:1    | 20.8 †  |
| 2100 – 2200   | P-21A96GN-S  | LP   | 8    | 2.4 | A**  | 32.3              | 32.4 | 32.0 | 4.2       | 46     | 40     | 1.1:1    | 26.4 †  |
| 2100 – 2200   | P-21A120GN-S | LP   | 10   | 3.0 | A**  | 33.9              | 34.2 | 34.1 | 3.4       | 38     | 42     | 1.1:1    | 26.4 †  |
| 2100 – 2200   | P-21A144GN-S | LP   | 12   | 3.7 | A**  | 35.2              | 35.5 | 35.5 | 2.6       | 40     | 44     | 1.1:1    | 26.4 †  |
| 2100 – 2200   | P-21A180GN-2 | LP   | 15   | 4.6 | A**  | 37.3              | 37.5 | 37.5 | 2.3       | 40     | 46     | 1.1:1    | 26.4 †  |

#### Notes:

- † Improved VSWR (R.L.) available.
- \* Optional input connectors available.  
 F = 7/8 EIA Flange Non-pressurized  
 N = N-Female Connector Non-Pressurized  
 E = 7/16 DIN Connector Non-Pressurized  
 L = 7/8 EIA Flange Pressurized Low VSWR  
 LN = N-Female Non-Pressurized Low VSWR
- \*\* U.S.F.C.C. Regulatory Standard Part 101.

2100-2200-Grid-151021.R1

All specifications are subject to change without notice.