

Outdoor Directional Panel Antenna

ODP-065R21KV

XPol, 1710-2170MHz, 65°, 20.6dBi



Technical Specifications

Electrical

| Frequency Range | MHz | 1710-1880 | 1850-1990 | 1920-2170 |
|--|-----|---------------|-----------|-----------|
| Polarization | | ± 45 | | |
| Gain | dBi | 19.5 | 20.0 | 20.6 |
| Horizontal Beamwidth | deg | 65 | | |
| Vertical Beamwidth | deg | 4 | | |
| Electrical Downtilt - Variable (Options) | deg | 0 - 6 | | |
| First Upper Sidelobe Suppression @ 0° | dB | > 18 | | |
| Null Fill | dB | < 22 | | |
| Front-To-Back Ratio | dB | > 28 | | |
| VSWR | | ≤ 1.5:1 | | |
| Isolation Between Ports | dB | > 28 | | |
| Cross-polar Discrimination @ 0° | dB | > 17 | | |
| 3rd Order Intermodulation @ 2x43 dBm | dBc | < -150 | | |
| Maximum Power per Port | W | 250 | | |
| Impedance | Ω | 50 | | |
| Lightning Protection | | Direct Ground | | |

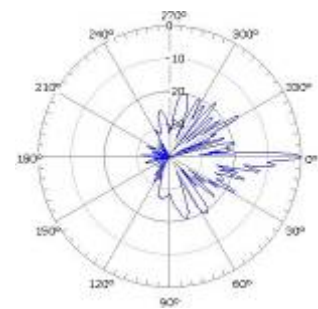
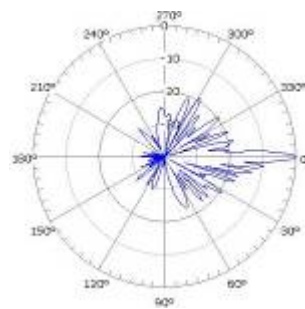
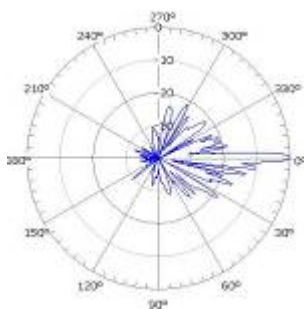
Mechanical

| | | |
|------------------------------|------------|---------------------------------------|
| Dimensions, HxWxD | mm (in) | 2004x173x81 (78.9x6.8x3.2) |
| Weight, without Mounting Kit | kg (lb) | 15.5 (34.2) |
| Weight, with Mounting Kit | kg (lb) | 20.5 (45.2) |
| Radome Material and Color | | UV Resistant PVC, Light Grey, RAL7035 |
| Mounting Kit | | SJA-B-12R(12) |
| Reflector Material | | Aluminum |
| Radiating Element Material | | Zinc Composite |
| Connector Type and Location | | 2 x 7/16 DIN-Female, Bottom |
| Operational Temperature | °C | -55 to +70 |
| Operational Humidity | % | ≤ 95 |
| Operational Wind Speed | km/h (mph) | 200 (124.3) |
| Shipping Dimensions, HxWxD | mm (in) | 2473x260x190 (97.4x10.2x7.5) |
| Shipping Weight | kg (lb) | 26.0 (57.3) |

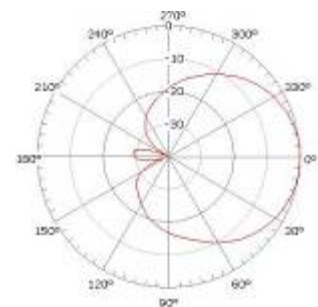
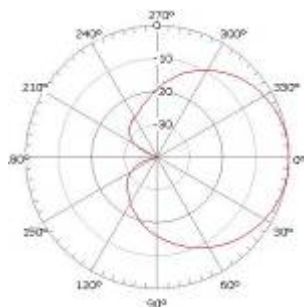


Antenna Pattern

Vertical pattern



Horizontal pattern



1850MHZ @ 0°

1920MHZ @ 0°

2170MHZ @ 0°