

# Outdoor Directional Dual-band Antenna

ODP-065R14BV/17KV XXPol, 806-960/1710-2170MHz, 65°, 14.0/17.0dBi

**Comba**



## Technical Specifications

### Electrical

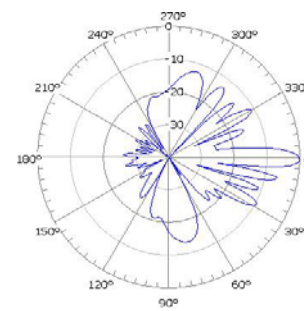
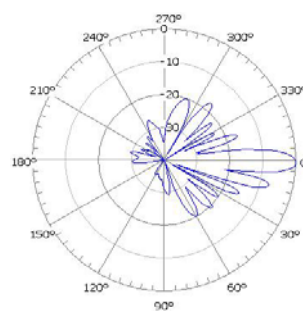
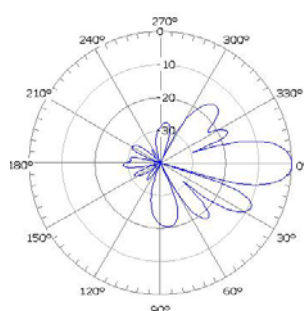
| Frequency Range                      | MHz | 806-896                      | 870-960 | 1710-1880                    | 1850-1990 | 1920-2170 |
|--------------------------------------|-----|------------------------------|---------|------------------------------|-----------|-----------|
| Polarization                         |     | ± 45                         |         |                              |           |           |
| Gain                                 | dBi | 13.0                         | 13.5    | 16.5                         | 16.6      | 16.8      |
| Horizontal Beamwidth                 | deg | 65                           |         |                              |           |           |
| Vertical Beamwidth                   | deg | 16                           |         | 7                            |           |           |
| Electrical Downtilt Range            | deg | 0-14                         |         | 0-9                          |           |           |
| First Upper Sidelobe Suppression     | dB  | ≥15(0°),<br>≥14(7°),≥11(14°) |         | ≥16(0°),<br>≥15(4°),≥13 (9°) |           |           |
| Front-To-Back Ratio                  | dB  | ≥25                          |         |                              |           |           |
| VSWR                                 |     | ≤ 1.5:1                      |         |                              |           |           |
| Isolation Between Ports / Bands      | dB  | > 28 / > 40                  |         |                              |           |           |
| Cross-polar Discrimination @ 0°      | dB  | > 17                         |         |                              |           |           |
| 3rd Order Intermodulation @ 2x43 dBm | dBc | < -100                       |         |                              |           |           |
| Maximum Power per Port               | W   | 500                          |         | 250                          |           |           |
| Impedance                            | Ω   | 50                           |         |                              |           |           |
| Lightning Protection                 |     | Direct Ground                |         |                              |           |           |

### Mechanical

|                              |            |                                    |
|------------------------------|------------|------------------------------------|
| Dimensions, HxWxD            | mm (in)    | 1200x265x145 (47.2x10.4x5.7)       |
| Weight, without Mounting Kit | kg (lb)    | 19.5 (43.0)                        |
| Weight, with Mounting Kit    | kg (lb)    | 25.5 (56.2)                        |
| Radome Material and Color    |            | Fiberglass, Light Grey, RAL7035    |
| Mounting Kit                 |            | SJA-B-12R(00)                      |
| Reflector Material           |            | Aluminum                           |
| Radiating Element Material   |            | Zinc Composite                     |
| Connector Type and Location  |            | 2 x or 4 x 7/16 DIN-Female, Bottom |
| Operational Temperature      | °C         | -55 to +70                         |
| Operational Humidity         | %          | $\leq 95$                          |
| Operational Wind Speed       | km/h (mph) | 200 (124.3)                        |
| Shipping Dimensions, HxWxD   | mm (in)    | 1505x375x280 (59.3x14.9x11.0)      |
| Shipping Weight              | kg (lb)    | 29.5 (65.0)                        |

## Antenna Pattern

Vertical pattern



Horizontal pattern

