

**APXV9ERR18-C-A20**

Triple Band Dual Polarized (6 Port) Antenna, 806-869/1850-1995/1850-1995MHz, 80deg, 14.0/17.0/17.0dBi, 1.8m (6ft), VET, 0-10deg, RET, 0.5m AISG Cable

This X-Polarized side-by-side variable tilt antenna provides exceptional suppression of all upper sidelobes at all downtilt angles. It also features a wide downtilt range.

FEATURES / BENEFITS

- Variable electrical downtilt – provides enhanced precision in controlling intercell interference. The tilt is infield adjustable 0-10 deg.
- High suppression of all upper sidelobes (Typically < 18 dB)
- Independent control of electrical downtilt for 800 and PCS bands
- Low profile for low visual impact
- Quick and easy to adjust
- High front-to-back ratio
- AISG 2.0 compatible remote tilt
- Includes 0.5m AISG Jumper for daisy chaining of RET AISG connections

**Technical features****ELECTRICAL SPECIFICATIONS**

| | | | | |
|---|-----------|----------------------------|-----------|-----------|
| Frequency Range | MHz | 806-869 | 1850-1995 | 1850-1995 |
| Gain | dBi (dBd) | 14 (11.9) | 17 (14.9) | 17 (14.9) |
| Horizontal Beamwidth | deg | 80 | | |
| Vertical Beamwidth | deg | 11.5 | 5.5 | 5.5 |
| Electrical Downtilt Range | deg | 0-10 | | |
| 1st Upper Sidelobe Suppression | dB | >18 | | |
| Front-To-Back Ratio | dB | >30* | >27* | >27* |
| Polarization | | Dual pol +/-45° | | |
| Isolation between Ports | dB | >28 | | |
| 3rd Order IMP @ 2 x 43 dBm | dBc | >153 | | |
| Cross Polar Discrimination (XPD) 0° | dB | >20 | | |
| Cross Polar Discrimination (XPD) ± 60° | dB | >5 | >11 | >11 |
| HBW Squint across same band ports | ° | +/-5 | | |
| Impedance | Ohms | 50 | | |
| Maximum Power Input | W | 250 | | |
| Beamwidth Approximate | deg | 90 | | |
| Antenna Type | | Dual Polarized Triple Band | | |
| Electrical Down Tilt Option | | Variable | | |

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MECHANICAL SPECIFICATIONS

| | | |
|---------------------------|------------|--------------------------------------|
| Lightning Protection | | Direct Ground |
| Connector Type/Location | | (6) 7-16 Female/Bottom |
| Dimensions - HxWxD | mm (in) | 1829 x 302 x 200 (72.0 x 11.8 x 7.9) |
| Weight w/o Mtg Hardware | kg (lb) | 28.2 (62) |
| Survival/Rated Wind Speed | km/h (mph) | 240 (150) / 160 (100) |
| Mount Type | | Downtilt |
| Height (Approximate) | ft. | 6 |

TESTING AND ENVIRONMENTAL

| | | |
|-----------------------|---------|-------------------------|
| Operation temperature | °C (°F) | -40 to 60 (-40 to 140) |
|-----------------------|---------|-------------------------|

MATERIAL

| | | |
|----------------------------|--|---------------------------------|
| Radome Material/Color | | ASA/Light Grey RAL7035 |
| Mounting Hardware Material | | APM40-2 Downtilt Kit (Included) |

ORDERING INFORMATION

| | | |
|--------------------------|---------|---------------------------------|
| Mounting Hardware | | APM40-2 Downtilt Kit (Included) |
| Mounting Pipe Diameter | mm (in) | 60 - 120 (2.36 - 4.72) |
| Mounting Hardware Weight | kg (lb) | 3.4 (7.5) |

External Document Links[APM40 Series Datasheet](#)[APM40 Series Installation Instructions](#)**Notes**

* F/B Ratio @ 180° ± 15°