

# FM-PANEL-19

## Dual-Polarized Directional Panel Antenna

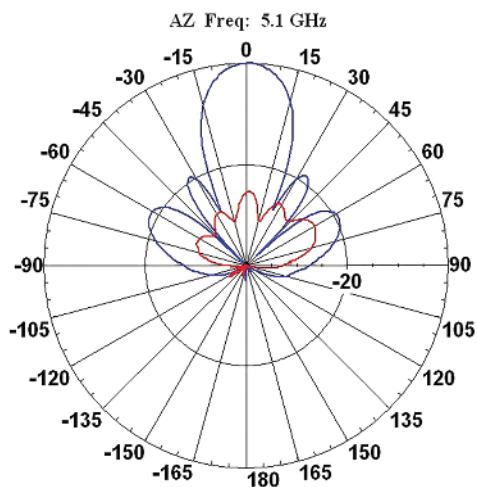
### FEATURES

- ASA radome and PC board conform to the UL-HB flame retardant rating, allowing maximum installation flexibility
- Attractive, low-profile housing allows antenna to blend well in indoor or outdoor environments where aesthetic considerations are important
- Fully adjustable mounting bracket for pipe or wall mount installations

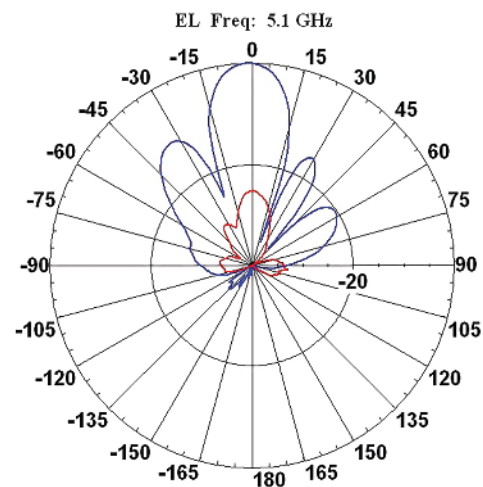


### TECHNICAL DATA

Maximum Power	20 watts
Polarization	Dual Linear, H/V or +/-45° slant
Nominal Impedance	50 ohms
VSWR	1.5:1 typical 2.0:1 maximum
Radome Material	< 2.0 : 1
Termination	2 x Type N Female Panel Mount Connectors
Mounting Method	Fully adjustable pipe or wall mount
Frequency Range	4.9 - 5.15 - 5.875 GHz
GAIN	19.0 ± 0.5 dBi @5.15-5.725 GHz 19.0 ± 0.5 dBi @5.725-5.875 GHz
3DB Azimuth Beamwidth	17° (typ)
3DB Elevation Beamwidth	17° (typ)
Azimuth Sidelobe Level	-10dB (typ)
Elevation Sidelobe Level	-10dB (max)
F/B ratio	-30dB (min)
Cross Polarization	-20dB (typ)
Dimensions	7½" x 7½" x 1.2" (190 x 190 x 30.5 mm)
Weight	1.5 lb (0.7 kg)
Wind Speed Survival Operation	250 Km/h
Wind Load (Survival)	Front Thrust 10.5 kg and Side Thrust 1.6 kg



**AZIMUTH RADIATION PATTERN MIDBAND**  
FREQ. 5.1 GHz



**ELEVATION RADIATION PATTERN MIDBAND**  
FREQ. 5.1 GHz