



## 11GHz (10.7 – 11.7)

### High Performance Microwave Antennas

With so many choices of licensed radio manufactures, available frequencies, antenna sizes, and manufacture specific interfaces; it has become next to Impossible to have the right antenna on hand and available. These challenges compiled with today’s external factors multiply the need to have a Universal Solution. RF Engineering & Energy Resource (RFE) has developed the industry’s first purpose built Universal Licensed Microwave Antenna System. Our High Performance universally engineered antenna is field proven to provide ETSI class 2/3 radiation pattern performance, ships pre-assembled, and provides the most robust and reliable performance under the most challenging conditions.

From box to pole in under five minutes, RFE’s Universal Antenna System supports either direct connect radio manufacture proprietary interfaces or it can be configured as a Waveguide Flange for remote mount installations. Our One Solution for every customer platform allows for the following advantages:

- Simplified Stocking
- Reduced Sparing Costs
- Equipment Reuse
- Future Proofing / Scalability

**Product Features:**

- Antenna Diameter:
  - 2’ (0.6m)
  - 3’ (0.9m)
  - 4’ (1.2m)
  - 6’ (1.8m)
- High Performance Tested & Validated
  - ETSI Class 2/3
  - FCC Class A
- Industry Leading Antenna Gain
- Fully Preamsembled and Factory Tested Quality.
- Polarization
  - Single Polarization
  - Dual Polarization
- Supports Wind Speeds up to 150Mph.
- Operation Temperature: -45 to +60C
- 3-Year Global Warranty

**Universal Interface Options  
OEM Interfaces:**

BridgeWave
Cambium Networks
Ceragon
DragonWave
Ericsson
Mimosa
Nokia
RACOM
REMEC
SIAE
Solectek
Trango
Ubiquiti Networks
WaveGuide



### Single-Polarization Antenna Specifications

Diameter ft (m)	Gain, dBi			Beamwidth Degrees	Polarization	Max Rated Wind	XPD	F/B Ration dB
	Low	Mid	High					
2' (0.6m)	33.8	34.5	35.2	3.3	Single- Polarization	150 Mph	30 dB	61
3' (0.9m)	36.9	37.6	38.2	2.1				63
4' (1.2m)	40.2	40.7	41	1.5				67
6' (1.8m)	42.7	43.5	44.4	1.1				70

### Dual-Polarization Antenna Specifications

Diameter ft (m)	Gain, dBi			Beamwidth Degrees	Polarization	Max Rated Wind	XPD	F/B Ration dB
	Low	Mid	High					
2' (0.6m)	33.5	34.2	34.9	3.3	Dual- Polarization	150 Mph	30 dB	61
3' (0.9m)	36.6	37.3	37.9	2.1				63
4' (1.2m)	39.9	40.4	40.7	1.5				67
6' (1.8m)	42.4	43.2	44.1	1.1				70

