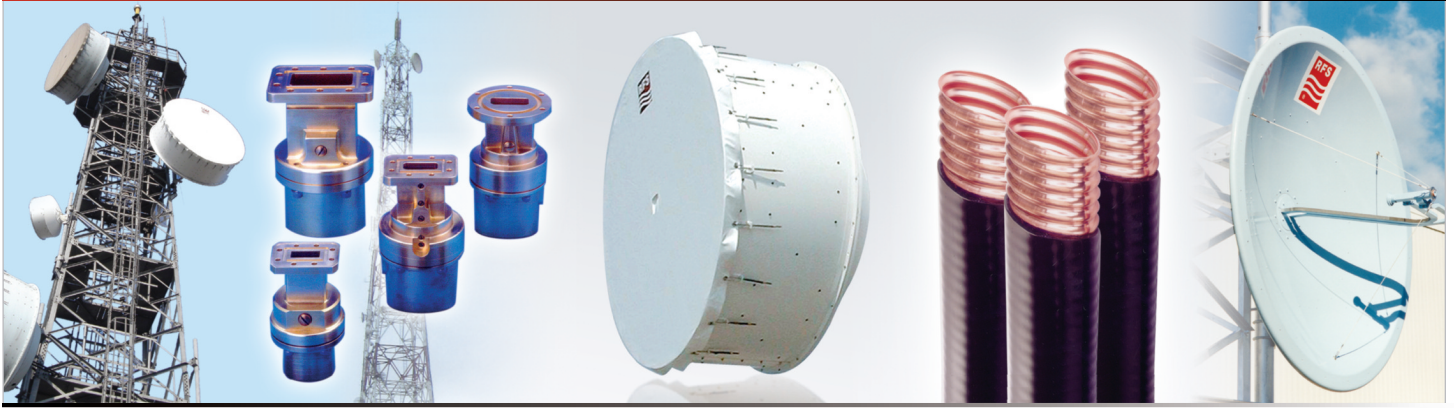


Ultra-Wideband Microwave Antennas

Quad-band (5.725-7.125GHz), dual-polarized antennas give customers the flexibility to access the recently released 7 GHz spectrum and to add capacity



Improved Performance & Ultra-High Performance Configurations Available

The new RFS microwave antennas are the first in North America to cover the unlicensed band (5.725 to 5.85 GHz), the lower 6 GHz band (5.925 to 6.425 GHz), the upper 6 GHz band (6.425 to 6.875 GHz) and the 7 GHz band (6.875 to 7.125 GHz) in a single antenna.

The quad-band, dual-polarized microwave antennas give customers the flexibility to access the recently released 7 GHz spectrum and to add capacity when needed. With a single antenna, customers can easily switch among the four bands to access new spectrum. In addition, they effectively gain two antennas in one because they can stack multiple channels on each polarization to increase capacity.

These 6-, 8- and 10-foot diameter antennas are available in dual-polarized, un-shrouded models (PADX Series) that deliver superior radiation performance and in dual-polarized, ultra-high-performance models (UXA Series) that feature high cross-polarization discrimination (XPD) to reduce interference.

➡ These antennas offer maximum flexibility for diverse microwave backhaul requirements with no compromises in performance

Exclusive Features

- **Utilizes the new 7 GHz band for fixed services**
 - Provides a solution to address the challenges of 4G such as increased data usage, spectrum availability and network congestion
- **Dual-polarization for higher capacity**
 - Operates as two antennas in one
 - Stack multiple channels on opposite polarization of the same antenna to increase capacity
 - Reduces OPEX and CAPEX
- **Ideal for 7GHz (6.875-7.125), lower 6GHz (5.9-6.4GHz), upper 6GHz (6.4-6.875 GHz) and unlicensed (5.725-5.85) bands**
 - Allows frequency changes between the four bands without changing the microwave antenna to reduce CAPEX
 - Allows operation of main radio in 7GHz
 - Stack multiple channels to increase capacity in any of the four bands
 - Offers maximum flexibility and return on investment
- **Spun backing design on 6-10 ft antennas**
 - Greater mechanical stability and more secure links ensures the best operational wind speed performance on the market
- **Powder painted antenna finish**
 - Unique industry process guarantees a longer product life and protection on your investment

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Product Specifications

Model Number	Diameter, ft (m)	3dB Beam Width, (deg)	Mid Band Gain, dBi	F/B Ratio, dB	Max VSWR / R L, dB	Survival Speed, km/h (mph)	Weight, kg (lb)	FCC Standard
Improved Performance Antennas								
PADX6-U57AC	6 (1.8)	1.7	38.9	55	1.15 / 23.1*	200 (125)	65 (141)	A
PADX8-U57AC	8 (2.4)	1.3	41.4	57	1.15 / 23.1*	200 (125)	130 (285)	A
PADX10-U57AC	10 (3.0)	1.1	43.2	59	1.15 / 23.1*	200 (125)	264 (580)	A
Ultra-high Performance Antennas								
UXA6-U57AC	6 (1.8)	1.7	39.0	69	1.12 / 25*	200 (125)	95 (209)	A
UXA8-U57AC	8 (2.4)	1.3	41.6	77	1.12 / 25*	200 (125)	180 (396)	A
UXA10-U57AC	10 (3.0)	1.1	43.4	79	1.12 / 25*	200 (125)	290 (638)	A

*1.5 / 14dB from 5.725-5.85GHz

Improved Performance Antenna Ordering Information

Size	Antenna	Antenna + Radome**	Antenna + Radome + 2nd Stiff Arm**
6ft	PADX6-U57AC1S	PADX6-U57AC1S1R	PADX6-U57AC7S1R
8ft	PADX8-U57AC1S	PADX8-U57AC1S1R	PADX8-U57AC7S1R
10ft	PADX10-U57AC1S	PADX10-U57AC1S1R	PADX10-U57AC7S1R

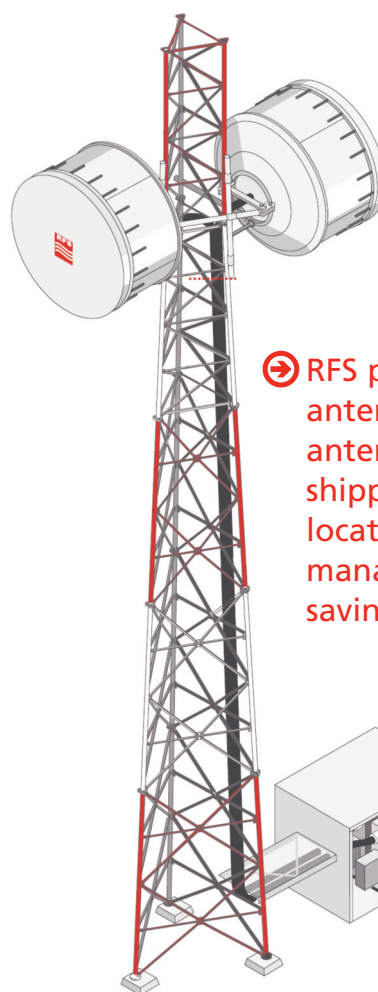
Ultra-High Performance Antenna Ordering Information

Size	Antenna**	Antenna + 2nd Stiff Arm**
6ft	UXA6-U57AC1S1	UXA6-U57AC7S1
8ft	UXA8-U57AC1S1	UXA8-U57AC7S1
10ft	UXA10-U57AC1S1	UXA10-U57AC7S1

** Available in optional gray

Additional Recommended Products

Item	Description
E65	Standard Perf. Elliptical Waveguide 5.725-7.125GHz
EP65	Premium Perf. Elliptical Waveguide 5.725-7.125GHz
C137-065FG	CPR137G Non-Tunable Elliptical Waveguide Connector
C137-065TG	CPR137G Tunable Elliptical Waveguide Connector
APD20-C	Compact Dehydrator



➔ RFS provides complete antenna systems with antenna & waveguide shipped from one location – easier project management and cost savings

RADIO FREQUENCY SYSTEMS
The Clear Choice®

