



Ku-Band 4 x 4 Flat Panel Antenna



- The Ku-Band FPA shown in the picture weighs less than 5 oz. and provides a minimum gain of +19.5 dBic (RHCP) over the 14.4-15.35 GHz band.
- This design can be scaled up to provide larger apertures and higher gain.
- Both symmetrical and asymmetrical configurations can be provided.

Tactical Common Data Link (TCDL) providers and their customers have expressed interest in small, lightweight Ku-Band antennas for UAV Ground Data Terminal (GDT) applications.

The TECOM 4 X 4 element Flat Panel Antenna (FPA) is now available to increase the operational range of omni-equipped One System Remote Video Terminals (OSRVT®).

This small, lightweight antenna can extend the TC DL range of a typical OSRVT® system by more than six times.

DATA LINK

Specifications	
Frequency Range	14,400-15,350 MHz
Element Geometry	4 x 4
Gain	+19.5 dBic min.
Beamwidth	11.5° nominal
Polarization	RHCP
Axial Ratio	≤2.5 dB within the antenna pattern 3 dB beamwidth
Approximate Size	3" x 3" x 1.13"
Weight	<5 oz.
RF Connector	SMA
Power Handling	20 watts CW

Innovative Antenna Solutions