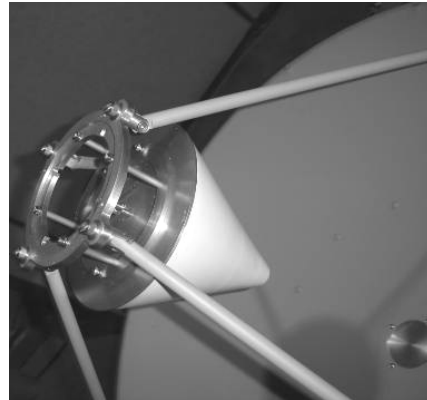
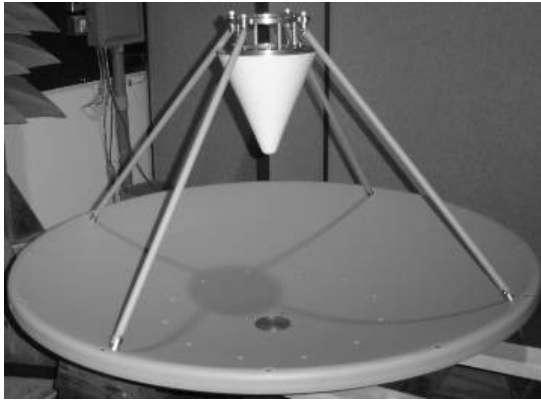


## Model RPDL4-33-S 4ft Dual Linear Polarized L/S/C-band Antenna

This antenna was designed for use with L/S/C-band telemetry requirements but can be used for any other communications requirement within the operating frequency band of the antenna. This 4FT diameter antenna is dual linear polarized, operating from 1.40 GHz to 5.15 GHz. The design incorporates our COTS mount for azimuth and elevation adjustment. The RF inputs are SMA female connectors and are located behind the focal point of the main reflector. The RF ports of the antenna are ***not*** phase-matched to one another.



### Port 1

Frequency (GHz)	Gain (dBil)	HPBW (deg.)		On-Axis X-pol (dB)	Port-to-Port Isolation (dB)	Return Loss (dB)
		E-Plane	H-Plane			
1.435	19.5	11.6	10.6	15.5	16.4	17.7
3.292	26.8	5.1	4.4	14.5	19.8	6.3
5.150	29.8	3.6	3.0	14.5	15.6	6.5

### Port 2

Frequency (GHz)	Gain (dBil)	HPBW (deg.)		On-Axis X-pol (dB)	Port-to-Port Isolation (dB)	Return Loss (dB)
		E-Plane	H-Plane			
1.435	19.5	11.6	10.5	15.8	16.4	17.9
3.292	26.8	5.1	4.4	15.5	19.8	9.1
5.150	29.8	3.3	3.0	14.6	15.6	9.7

**NOTE:** For alternate beamwidths and gains we can offer 2', 3', 5' and 6' diameter reflectors.

**Contact mWAVE Industries, LLC for your antenna development and manufacturing needs.**