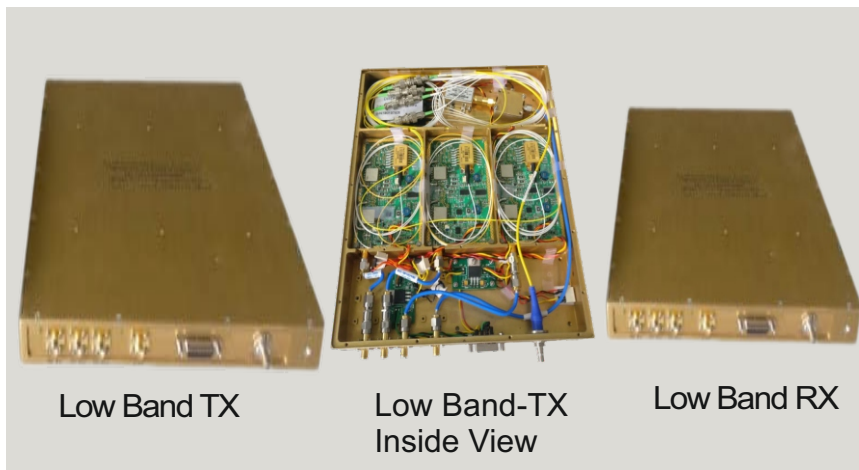


## 0.5 - 2.2 GHz Low Band Radio Over Fiber



### Features

- Connecting remote antennas to central control stations.
- WDM & CWDM Compatible
- High Dynamic Range
- Immune to EMI

### Low band RF over Fiber

Optical Fiber is medium of choice in wide, metro, access and local area (wired) networks. One new approach to integrate optical fiber network and wired network is Radio Frequency over fiber(RFOF). In RFOF network, Radio Frequencies are carried over optical fiber links to support various applications.

This replaces loss making coaxial cables or waveguides and carry the RF to a large distance. Optical fiber provides low loss and is immune to EMI effect.

Specifications	
Frequency range	0.5 - 2.2GHz
No. Of channels(rf ports)	03-08 using DWDM
VSWR (BOTH I/P & O/P RF PORTS) :	2:1 MAX
GAIN (integrated Tx MODULE + FIBER OPTIC CABLE + Rx MOD-ULE)	8 dB $\pm$ 1dB
Gain tracking( across All 4 modules) entire Dynamic range	$\pm$ 2dB
Phase tracking	$\pm$ 5 Deg max
Optical wavelength	1550nm
Minimum bending radius of Fiber optic cable	Less THAN 45 DEG
Noise figure (both Tx & Rx combined together)	Less than 5 dB
Dynamic range	60dB typical (from -80 to -20dB i/p RF power level)

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