OAR-005+ OUTDOOR BROADBAND REPEATER

- **Broadband Repeater with 80 Channel Capability**
- **Modular Design, Upgradeable**
- **Output for Booster Amplifier**
- **Digital Ready**

PRODUCT APPLICATION:

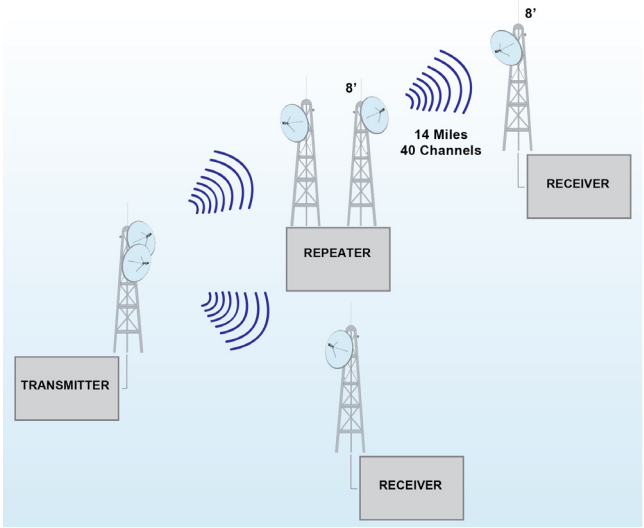
The OAR-005+ Repeater is an on frequency repeater designed to bypass line-of-sight obstacles between desired transmitter and receiver locations by amplifying an incoming signal from the main transmitter and retransmitting it in one or more directions.

With a capacity of up to 80 channels, the OAR-005+ can feed several receivers and one local booster amplifier simultaneously.

The repeater's capability to drive a booster amplifier with a high quality signal makes it possible to significantly increase the effective range of the repeater and/or the number of receivers fed from the repeater site.

The OAR-005+ features operating diagnostics such as output signal level monitoring and power supply voltages as well as a local drop to facilitate connection to an on-site receiver.

The repeater incorporates an Automatic Gain Control (AGC) circuit for gain control and adjustment and state-of-the-art Solid State GaAs amplifiers (LNA at the input and Power Amplifier at the output) for best reliability and performance.



Product Specification[1]

CABLE AML

Repeater

Output Frequency[2]:	12.7 to 13.25 GHz
Noise Figure:	7 dB
Output Level for 65 dB C/CTB:	<table><tr><th>Channels</th><th>dBm/Channel</th></tr><tr><td>12</td><td>5.5</td></tr><tr><td>21</td><td>3.0</td></tr><tr><td>35</td><td>0.5</td></tr><tr><td>60</td><td>-2.0</td></tr><tr><td>80</td><td>-3.5</td></tr></table>
Normal Gain:	38 dB
Gain Flatness:	±1 db
Total ACG Range:	20 dB
Input Connector:	WR-75 Waveguide
RF Output Connector:	WR-75 Waveguide
Remote Monitor Output Connector:	MS3112E14-15P
Power Input Connector:	Dependent upon line voltage
Temperature Range:	-40° to 122° F (-40° to 50° C)
Primary Input:	60/120/240 VAC @ 50/60Hz or 12/24 VDC (per customer spec)
Power Consumption:	125 VA RMS
Mounting:	Antenna Pole Mount
Weight:	46 lbs. (21 kg)
Dimensions:	16” W x 12” H x 7” D (48.26cm rack width x 17.78cm H x 50.88cm D)

[1] Specifications subject to change without prior notice.

[2] For Group C. Other frequencies available.