



Communications  
& Technology

# PMA-100

Go Anywhere with High Performance



## PMA-100

PMA-100 is one of the compact PALS Man-Pack series antenna. It can be carried in a IATA weight-compliant man-pack bag by a person. It is deployable within 3 minutes and very easy to use and go to live instantly. No integration tool or training is needed for the operation. It is very suitable for the operations that is located at the places hard to access.

PMA-100 can be used for any quick applications such as broadcast, corporate networks, military and emergency communications, etc.

## Key Features

- Auto and one-button operation,
- Broadcast within 3 minutes,
- Carbon-Fiber reflector and stable tripod with light-weight structure
- Easy acquisition without any training and tools
- Fast and high-quality transmission at anytime and anywhere
- Ring Focus feed system, high gain, low side-lobe
- Support Ku and Ka Band as an option

Using at such industries as Broadcast, media, emergency communication, safety, oil and gas etc



## GENERAL SPECIFICATIONS

Reflector Diameter	1.0m		
Reflector Type	Offset		
Setup Time	~3 Minutes		
Reflector Material	Carbon Fiber		
Number of Cases	1 Back-pack		
Antenna Travels	AZ POL	± 200 ° ± 90 °	EL 10 ° - 90 °

## RF CHARACTERISTIC

Ku-Band		
Frequency (GHz)	Tx	13.75 - 14.50
	Rx	10.7 - 12.75
Antenna Gain (Midband)	Tx	41.0+20lg(f/14.25) dBi
	Rx	39.9+20lg(f/12.5) dBi
Polarization	Linear	
TX/RX Isolation	85 dB	
Side Lobe	- 14 dB (first side lobe)	
Fed Interface	WR75	
CPI (On Axis, Linear)	35 dB	

## ENVIRONMENTAL SPECIFICATIONS

Temperature	Operational	-20°C to 55°C
	Survival	-30°C to 70°C
Wind Speed	Operational	40 km/h
	Survival	65 km/h
Rain	Survival in heavy rainstorm	
Humidity	Up to 100% with condensation	

Compliances / Certificates



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