



PMA-60

The most compact PALS Man-Pack series antenna is PMA-60. It can be carried in a IATA weight-compliant man-pack bag by a person. It is deployable within 2 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-60 can be used for any quick applications such as broadcast, corporate networks, military and emergency communications, etc.

Key Features

- Splash plate antenna with 2 segmented reflector
- Carbon-Fiber reflector with light weight, high strength and one person can finish the installation within 2 minutes
- Easy acquisition without any training and tools
- Fast and high-quality transmission at anytime and anywhere
- Stable tripod support legs
- 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	0.6m
Reflector Type	Offset
Setup Time	~2 Minutes
Antenna Concept	Prime focus antenna with 2 segmented 0.6m reflector
Number of Cases	1 Case
Antenna Travels	AZ 360° EL Up to 90°

RF CHARACTERISTIC

		Ka-Band
Frequency (GHz)	Tx	29.50 - 30.00
	Rx	19.20 - 20.20
Antenna Gain (± 0.2 dBi)	Tx	$43+20\log(f/30)$
	Rx	$39.2+20\log(f/20.00)$
Polarization		Circular
TX/RX Isolation		85 dB
Satellite Operator Compliancy		Compliant with most of satellite operator requirements
VSWR		1.5
Cross Polar Rejection		>35 dB within 1 dB beamwidth

ENVIRONMENTAL SPECIFICATIONS

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

Compliances / Certificates



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