System Parameters	45cm Antenna	65cm Antenna	95cm Antenna
EIRP X band P1dB	*41.3 dBW @ 8150 MHz*	43.6 dBW @ 8150 MHz	47.2 dBW @ 8150 MHz
EIRP Ku band P1dB	Ku not available	49.0 dBW @14.125GHz	52.2 dBW @14.125GHz
EIRP Ka band P1dB	Ka not available	51.4 dBw	Ka not available
G/T X-Band (30° elevation)	8.9dB/K @7500 MHz	11.4dB/K @ 7500 MHz	15.2 dB/K @ 7500 MHz
G/T Ku Band	Ku not available	14.9 dB/K @ 11.35 GHz	18 dB/K @ 11.35 GHz
G/T Ka Band	Ka not available	16.4 dB/K	Ka not available
System weight	25 lbs (11.3kg)	27lbs (12.2kg)	30lbs (13.6kg)
Environmental	**Value**	**Environmental**	**Value**
Humidity	95 %, Condensing	Vibration	Method 514.4
Salt Fog	Method 509.4	Sand and Dust	Method 510.4
Blowing Rain	Method 506.4	N/A	N/A
Power input	85 – 265 VAC, 47-400Hz	10 – 36 VDC	Solar panel option available
Receive Parameter	**X-Band**	**Ku-Band**	**Ka-Band**
RX LO	7.25 to7.75 GHz 6.3GHz	10.95 -11.75 GHz 10.0 GHz	20.2 – 21.2 GHz
RX 2 LO	N/A	11.75- 12.75 GHz 10.8 GHz	19.2 – 20.2 GHz
Rx 1 IF-frequency	950 to 1450 MHz	950 to 1750 MHz	1-2 GHz
Rx 2 IF-frequency	N/A	950 to 1950 MHz	1-2 GHz
Receive/Transmit	**X-Band**	**Ku-Band**	**Ka-Band**
Polarization	RCP/LCP selectable	Linear V/H Cross/Co pole	RCP/LCP selectable
Certifications	WGS 12-221	Intelsat, Eutelsat	Pending
Transmit Parameter	**X-Band**	**Ku-Band**	**Ka-Band**
TX LO	7.9 to 8.4 GHz 6.95 GHz	13.75 to 14.5 GHz 12.8 GHz	30 – 31 GHz
TX 2 LO	N/A	N/A	29 – 30 GHz

TAMPA MICROWAVE™
A THALES COMPANY

MANPACK
Satellite Terminals
Models 45.65.95

TAMPA MICROWAVE
A THALES COMPANY

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www.tampamicrowave.com

Key Discriminators:

Lightweight . Simple to Operate . Multi-Band . BatterySaving Mode . MIL-SPEC Reliability

Tampa Microwave's line of ManPack terminals are specifically designed for the needs of the dismounted troop or first responder. They are built to be air-dropped, jumped or carried, and then operated in the world's most austere environments for extended periods. The ManPack terminal also offers several operational and logistical advantages over its competition:

- Compact design and packaging facilitates one man setup and operation
- Backpack fits in airline overhead compartment; hard case is airline checkable
- Auto-assist display provides "BGAN like" setup in less than 10 minutes by minimally trained personnel
- R/T, Modem and Power Supply Modules are common to the entire Tampa Microwave family of terminals, (45cm -1.3M) and can be interchanged w/ No Tools
- Internal GPS
- No fans or filters – high reliability design that eliminates cooling fans and filter maintenance
- Center-fed antenna enables simple frequency/feed swap as well as robust satellite connectivity due to superior wind stability
- Optional Dual BB 2590 battery & charger available
- Transmitter Keyline Control Feature more than doubles battery operation time
- Quick change between X, Ku (co-pol & cross-pol) and Ka bands (both Global Express & WGS frequencies supported) WITH NO TOOLS in the smallest, lightest, most reliable terminal available
- Choice of integrated iDirect Evolution®, Linkway S2®, or Hughes HX280® modems; optional acquisition wizard for use with any external L-Band modem.
- Multi-enclave networking devices with embedded Cisco© routing
- Purpose-built for tactical environments (MILSTD – 810G TESTED)

Extreme Portability . High Bandwidth . Interchangeable Components

Shown to the right: ManPack Terminal comes with two carrying options: a soft backpack (FAA overhead compliant) and an airline checkable/shippable hard case. Color options on back of brochure.

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Imagine. Innovate. Execute.

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