

2.4m X band Manual Transportable Antenna

Product Category : Manual Transportable



Product Parameters

Antenna Category	Manual Transportable
Antenna Aperture	2.4m
Antenna Type	Feed back
Polarization	Circular
Frequency (Rx)	7.25-7.75GHz
Frequency (Tx)	7.90-8.40GHz

Port isolation (Rx-Tx)	$\geq 85 \text{ dB}$
Port isolation (Tx-Rx)	$\geq 40 \text{ dB}$
Gain(Rx)	$\geq 42.91 + 20\lg(f/7.50)\text{dBi}$
Gain(Tx)	$\geq 43.63 + 20\lg(f/8.15)\text{dBi}$
VSWR(Rx)	$\leq 1.35:1$
VSWR(Tx)	$\leq 1.35:1$
Motion range (AZ)	$0^\circ \sim 360^\circ$
Motion range (EL)	$10^\circ \sim 90^\circ$
Motion range (POL)	$\pm 90^\circ$
AZ	
EL	
POL	
Initial acquisition time	$\leq 3\text{min}$
Blockage recovery time	$\leq 1\text{min}$
Power capacity	$\leq 500\text{W}$
Operating Temperature	$-40^\circ\text{C} \sim +60^\circ\text{C}$
Storage Temperature	$-55^\circ\text{C} \sim +70^\circ\text{C}$
Humidity Requirement	95%(20°C)
Operating wind velocity	13m/s
Survival wind velocity	20m/s
Protection grade/IP Rating	IP65
Power supply	90~264VAC,47Hz~63Hz
power consumption	$\leq 350\text{W}$ (No power amplifier)
Material	Carbon Fiber
Remarks	Optional Feed: L / S / X / ka; 1.00GHz~18.00GHz~18.00GHz~40.00GHz

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