

2.4m X band Automatic Transportable Antenna

Product Category : Automatic Transportable



Product Parameters

Antenna Category	Automatic Transportable
Antenna Aperture	2.4m
Antenna Type	Tripod type -feed back; box type -feed forward.
Polarization	Circular
Frequency (Rx)	7.25-7.75GHz
Frequency (Tx)	7.90-8.40GHz
Port isolation (Rx-Tx)	≥ 85 dB
Port isolation (Tx-Rx)	≥ 40 dB
Gain(Rx)	$\geq 42.91 + 20\lg(f/7.50)$ dBi
Gain(Tx)	$\geq 43.63 + 20\lg(f/8.15)$ dBi
VSWR(Rx)	$\leq 1.5:1$
VSWR(Tx)	$\leq 1.5:1$
Motion range (AZ)	$\pm 180^\circ$
Motion range (EL)	$10^\circ \sim 90^\circ$
Motion range (POL)	$\pm 90^\circ$
AZ	$0.1 \sim 3^\circ/\text{s}$
EL	$0.1 \sim 1^\circ/\text{s}$
POL	
Initial acquisition time	≤ 3 min
Blockage recovery time	≤ 1 min
Power capacity	≤ 500 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	≤350W(No power amplifier)
Material	Carbon Fiber
Remarks	Optional Feed:L/Setc. ,Optional box-type or tripod-type design

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