

## 0.55M Flyaway Antenna

- 1) 0.55/0.75/1.0/1.2/1.8
- 2) Material is mainly carbon fiber.
- 3) Weight equivalent to 4.5 kg bags.
- 4) Manpack satellite antenna

Antenna aperture	0.55m Flyaway Antenna
Antenna form	single offset
work frequency	Tx 14—14.5GHz
	Rx 10.95—12.75GHz
Gain	$T_x \geq 35.6 + 20 \lg(f/14.25)$
	$R_x \geq 34.4 + 20 \lg(f/12.5)$
VSWR	$\leq 1.25:1$
polarization	linear
feed insert loss	$\leq 0.45\text{dB}$
Power Capacity	$\geq 100\text{w}$
first side lobe	$\leq -14\text{dB}$
feed interface	WR75
cross-polarization	$\geq 33\text{dB}$ (on axial)
Tx/Rx Isolation	$\geq 85\text{dB}$
slewing area	Azimuth: $\pm 20^\circ$
	Elevation: $0^\circ \sim 90^\circ$
	Polarization: $\pm 90^\circ$
wind load operation	50km/H with the anchor block or counter weight.
weight	$\leq 4.5\text{KG}$ with the bag
temperature operation	$-40^\circ\text{C} \sim +55^\circ\text{C}$ outdoor

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