

Model 2.4m Manual FlyAway SNG / Military Antenna

Unique Features

- Ultra Lightweight Manual Antenna with Integral Base and Extending Stabilizer Legs
- 2.4m, 9 piece Carbon Fiber Reflector
- Unique Azimuth Mechanism and Elevation ACME Screw Manual Actuators Allow Full Range of Motion for Coarse Adjustment

Standard Rx/Tx Feed Optional Rx/Tx Feeds

- 10-Minute Setup
- 2-Port Ku Precision (standard Cross-Pol comp.)
- 2-Port C-Band LP
- 2-Port Mode-Match (enhanced Cross-Pol comp.)
- 2-Port Ka Commercial
- 2-Port Ka MIL (WGS)
- 2-Port X MIL (WGS) – Opt. Rx/Tx Reject Filter Kit

Polarization Adjustment

- Rotation of Feed
- Optional Remote Hand Crank



Mechanical

Reflector Construction	Carbon Fiber
Travel	
Azimuth	Coarse Fine
Elevation	Coarse Fine
Polarization (Ku)	
RF Interface	
BUC Mounting	Feed Boom (35 lbs max), or Remote
Coax	Two connectors at Amplifiers
Electrical Interface	Connectors at Amplifiers
Set-up Time	Less than 10 minutes
Stowed Configuration & Weights in Hard Roto-molded Transit Cases	
Reflector	28" X 28" X 24", weighs 127 lbs
Tripod	54" X 29" X 16", weighs 106 lbs.
Positioner	33" X 25" X 24", weighs 87 lbs
Feed Boom/Ku Feed	54" X 29" X 16", weighs 100 lbs
Total Weight	240 lbs. (not including cases)
<i>Note: BUC and LNB are CFE</i>	

Environmental

Wind – Survival (anchored)	80 mph in stowed position (90° elevation)
Wind - Operational	
Without anchoring	20 mph
With anchoring	30 mph gusting to 45 mph
Pointing Loss in Wind	
Ku-band Receive, Operational winds	0.8 dB typical, 2.0 dB max
Temperature:	
Operational	-22° to 125° F (-30° to 52° C)
Survival	-40° to 140° F (-40° to 60° C)

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RF/Electrical

RF Parameter ▼	Std. 2-Port Ku-Band		Std. 2-Port C	
	Receive	Transmit	Receive	Transmit
Frequency Range (GHz)	10.95 - 12.75	13.75 - 14.50	3.625-4.20	5.85-6.425
Polarization Configuration	Linear Orthogonal Standard, Optional Co-Pol		Linear	
Gain (mid-band)	47.4	48.9	37.7	41.6
-3dB Beamwidth (midband)	0.7°	0.6°	2.2°	1.4°
G/T, midband, clear horizon	26.5 dB/° K with 50° LNB		19.5 dB/° K with 100° LNB	
Radiation Pattern Compliance	FCC 25.209, ITU-R S.580-6, IESS 208		FCC 25.209, ITU-R S.580-6, IESS 207	
Antenna Noise Temp. (mid-band, 20° el)	61° K		49° K	
Power Handling Capability	500W per port		1000 watts per port	
Axial Ratio, CP only, within Pointing Cone (dB)			2.3	
VSWR	1.30:1		1.30:1	
Cross-Polarization Isolation (dB)				
On Axis (minimum)	35		35	
Within pointing cone	28 Std. Precision 25 Mode-Match		30 30	
Feed Port Isolation – Tx to Rx (dB)	35		65	
	80 (incl.filter)		105 (incl.filter)	

Available Options, Upgrades & Services

- Standard feed is 2-Port C-Band; optional feeds include 2-Port C-Band LP, 2-Port Mode-Match (enhanced Cross-Pol comp.), 2-Port Ka Commercial, 2-Port Ka MIL (WGS), 2-Port X MIL (WGS) – Opt. Rx/Tx Reject Filter Kit
- BUC/LNB mounting
- Waveguide interconnect options
- Wind anchoring options: ground stakes, sand bags
- Computer Assisted Pointing (CAP)

