

RECON VSAT 1.35m



FlyAway 1.35m Tri-Band Configurable Segmented Carbon Fiber Antenna VSAT

RECON VSAT

The Comtech RECON VSAT provides a modernized COTS solution for sustainment, medical, and administrative data exchange in support of Multi-Domain Operations (MDO). It can be set up by one person in 5 minutes and operating in-network in under 15 minutes.

Key Features:

- Lightweight manual antenna with integral base and folding tripod
- Less than 15 minutes for setup and in-network
- Auto-acquire upgrade available
- Modem agnostic design with optional switchable L-Band external interface
- Capable of utilizing the Comtech 1050TS, iDirect 950mp, iDirect 9050 OM, SLM-5650C and Viasat CBM-400 modems
- User-friendly touchscreen Assured PNT support
- Open/Modular Baseband Interface supporting IPv4/IPv6

Available Options:

- Motorized computer-assisted pointing & acquisition upgrade
- Beacon receiver
- Wind anchoring options: ground stakes, sand bags
- Optional soft sided ballistic nylon cases
- Spare parts kit, training, and field support
- Assured Position Navigation Pointing Capability



Technical Specifications:

Reflector Construction	Carbon fiber / aluminum
Azimuth Travel	+/-95°
Elevation Travel	+5° to 95°
Polarization (Ku) Travel	360° continuous
Set-up time	Less than 5 minutes
Case Integration	Two Pelican Air 1615 travel cases, one for positioner, one for reflector

Dimensions:

Length	29.59 in. (75.2 cm)
Width	15.50 in. (39.4 cm)
Height	9.38 in. (23.8 cm)
Weight	Two cases less than 70 lbs each
Assembled Weight	Less than 41 lbs

Environmental:

Operating Temperature	-32° F to 140° F (-36° C to 60° C)
Storage Temperature	-50° F to 159° F (-46° C to 70° C)
Wind Speed	Survival with anchors 45 mph
	Operational without anchors 25 mph
	Operational with anchors 30 mph sustained / 45 mph gusting

RF/Electrical:

Feed Type	Std 2-Port Ku-Band		2-Port Ka-Band		2-Port X-Band	
	Receive	Transmit	Receive	Transmit	Receive	Transmit
RF Parameter						
Frequency Range (GHz)	10.95–12.75	13.75–14.50	19.2–21.2	29.0–31.0	7.25–7.75	7.90–8.40
Polarization Configuration	Linear Orthogonal Standard Co-Pol		Circular or Linear		Circular or Linear	
Gain (mid-band) (dBi)	42.3	43.8	46.7	50.0	38.3	39.0
Beamwidth (-3 dB)	1.4°	1.1°	0.8°	0.5°	2.2°	2.0°
G/T, Midband, Clear Horizon @ 20° Elevation	22.2 dB/°K with 50° LNB		23.2 dB/°K with 100° LNB		18.0 dB/°K with 55° LNB	
Radiation Pattern Compliance	FCC 25.209, ITU-R S.580-6 IESS 208		FCC 25.209, MIL-STD-188-164C		MIL-STD-188-164C	
EIRP	58.9		61.9		53	
Feed Port Isolation — Tx to Rx (dB)	35	35.8 (incl. filter)	80	80 (incl. filter)	115 (incl. filter)	115 (incl. filter)

About Comtech

Comtech Technologies Corp. (Nasdaq: CMTL) is a leading global provider of next-generation 911 emergency systems and secure wireless communication technologies to commercial and government customers around the world. Comtech designs produces and markets advanced and secure wireless solutions.

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