



FAA Approved Facility

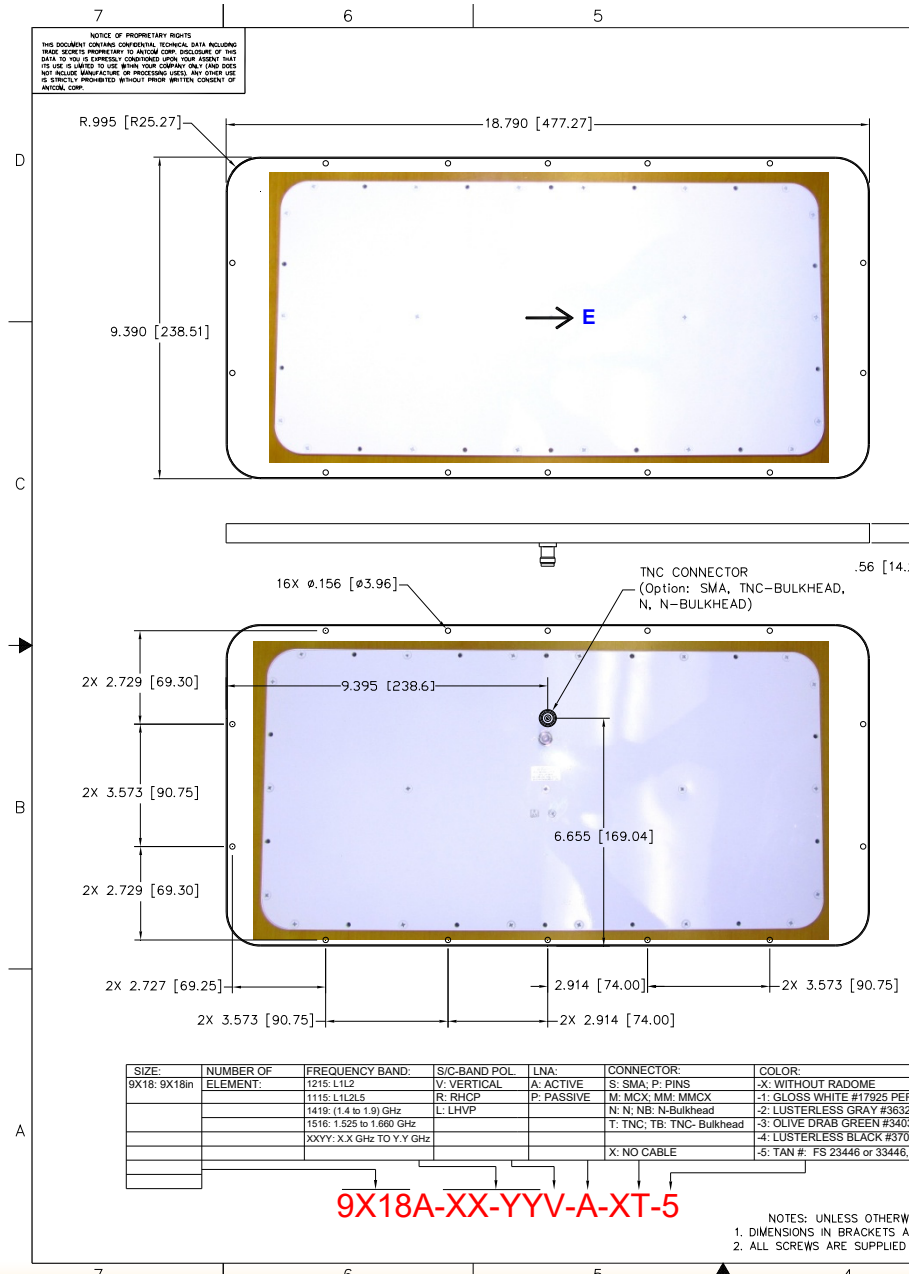
High Gain L-BAND Antenna, P/N: 9X18A-XX-YYX-A-XX-X

Antenna Mounts: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>



ANTCOM CORPORATION . 367 Van Ness Way, Suite 602 . Torrance, CA 90501 . Tel: (310) 782-1076 . Fax: (310) 782-1086 . E-mail: antennas@antcom.com . <http://www.antcom.com>

NOTICE OF PROPRIETARY RIGHTS
THIS DOCUMENT CONTAINS CONFIDENTIAL, TECHNICAL DATA INCLUDING TRADE SECRETS PROPRIETARY TO ANTCOM CORP. DISCLOSURE OF THIS DATA TO ANY OTHER PERSON OR COMPANY WITHOUT THE WRITTEN CONSENT OF ANTCOM CORP. IS STRICTLY PROHIBITED WITHOUT PRIOR WRITTEN CONSENT OF ANTCOM CORP.



SPECIFICATIONS

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

ELECTRICAL:
FREQUENCY: L-BAND
PATTERN: (X.XX - X.XX) GHz - See Below Table for P/N
DIRECTIONAL: DIRECTIONAL
POLARIZATION: RHCP, LHCP, or LINEAR - See Below Table for P/N
ANTENNA GAIN: 13 dB
BEAM WIDTH (deg): 20 X 40
VSWR: 2.0:1
OUTPUT IMPEDANCE: 50 ohms
POWER HANDLING: 100 watts
DC GROUNDING: YES

LNA OPTION:
LNA GAIN: 33 dB (P1dBout = +13 dBm)
LNA NOISE FIGURE: 2.2 dB
LNA VOLTAGE: (+2.5 to +24) Volts DC
LNA DRAWING CURRENT: < 30 mA

MECHANICAL:
SIZE: 9.39in x 18.79in x 0.56in
WEIGHT: 2.33 lb (1.06 Kg)
FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL, AND BLACK ANODIZED
MATERIAL: 6061-T6 ALUMINUM ALLOY BASE COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT, AND SKYDROL RESISTANCE, FIRE RETARDANT
CONNECTOR: TNC FEMALE (OPTION: SMB, SMA, N, MCX, MMCX OR BNC)

ENVIRONMENTAL:
TEMPERATURE: -67 °F TO +185 °F [-55 °C TO +85 °C]
ALTITUDE: 30,000 ft.
VIBRATION: > 20 G's
LEAKAGE: HERMETICALLY SEALED

FEDERAL & MILITARY SPECIFICATIONS:
DESIGN TO: FAA TSO-C144, DO-160D, D0-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

SIZE:	NUMBER OF ELEMENTS:	FREQUENCY BAND:	SIC-BAND POL.	LNA:	CONNECTOR:	COLOR:
9X18: 9X18in	1215: L1L2	1419: (1.4 to 1.9) GHz	V: VERTICAL	A: ACTIVE	S: SMA; P: PINS	X: WITHOUT RADOME
	1115: L1L2L5	1516: 1.525 to 1.660 GHz	R: RHCP	P: PASSIVE	M: MCX; MM: MMCX	-1: GLOSS WHITE #17925 PER FED-STD-595B
	XXYY: XX GHz TO Y Y GHz		L: LHVP	N: N; NB: N-Bulkhead	T: TNC; TB: TNC-Bulkhead	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
				X: NO CABLE		-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
						-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
						-5: TAN # FS 23446 or 33446, FED-STD-595

9X18A-XX-YYV-A-XT-5

NOTES: UNLESS OTHERWISE SPECIFIED:
 1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
 2. ALL SCREWS ARE SUPPLIED BY ANTCOM CORPORATION

QUANTITY	DESCRIPTION	PART NO	FINISH	ITEM NO.
1	OPTIONAL XFL RF CABLE	SMA-M-LRM200-XFL-SMB-M		3
1	1/3-20 ANTENNA MOUNT	HGX-PMT03		1

UNLESS OTHERWISE SPECIFIED	ANTCOM CORP.
DRAWINGS ARE IN INCHES	TORRANCE CALIFORNIA
TOLERANCES ARE:	
FRACTIONS: DECIMALS: ANGLES:	
± 1/64 ± .005 ± 1°	
TOLERANCE SHI PER ANSI Y14.5	
REMOVE ALL BURRS	
BREAK EXTERNAL EDGES .005 TO .015	
FILLET R .005 TO R .010	
SCREW THREADS PER MIL-S-8879	
DAYS ON A COMMON 1/2" DIA	
MACHINED SURFACES	
DO NOT SCALE DRAWING	

DATE	CHKD	ENGR	DRWG NO	REV
Mar-12-12	S. HUYNH		9X18A-XX-YYV-A-XT-5	-

SCALE	SHEET	OF
1/1	1	1