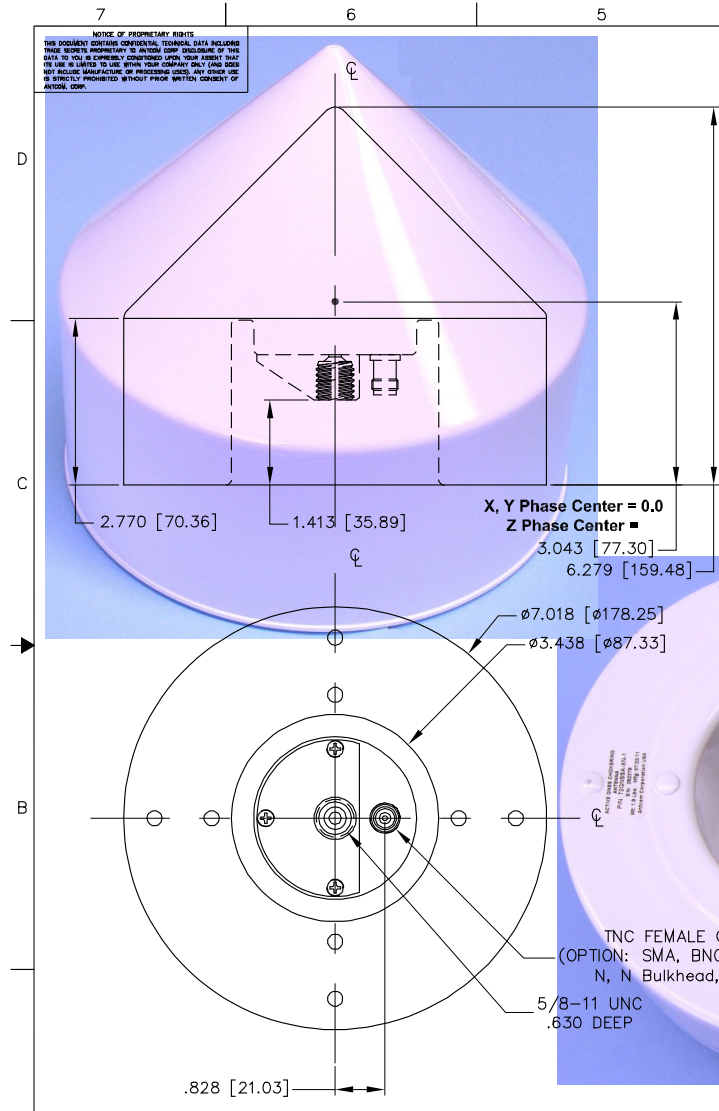


"-HF" for High Iridium/Inmarsat/Thuraya-Rejection Front End Filter Option: **-22dB@1616MHz, -34dB@1625-1660MHz**  
 "-HFO" for Additional OmniStar/TerraStar Rejection: **-27dB@1545MHz**



SPECIFICATIONS		REVISIONS			
ZONE	REV	DESCRIPTION	DATE	APPROVED	
		ECO# 0022, RELEASE	Mar-24-09	S. HUYNH	

ELECTRICAL:	L5 GPS E5, E5a, E5b Galileo L5 IRNSS	L2 GPS B2 Compass	L2 GLONASS E6 Galileo B3 Compass	OmniSTAR / L-Band L6 Galileo B1 Compass	L1 GPS E1, E2 Galileo L1 IRNSS	L1 GLONASS
	FREQUENCY:	1176.45 ± 12 MHz 1164.45 - 1219.14 MHz 1176.45 ± 15 MHz	1227.60 ± 12 MHz 1207.14 ± 10 MHz	1252.50 ± 7.5 MHz 1266.75 - 1290.75 MHz 1268.52 ± 10 MHz	1542.50 ± 14.0 MHz 1542.50 ± 5.0 MHz 1561.098 ± 10 MHz	1575.42 ± 15.0 MHz 1575.42 ± 17.0 MHz 1575.42 ± 12.0 MHz
RADIATION PATTERN:	HEMISPHERICAL					
POLARIZATION:	RHCP	RHCP	RHCP	RHCP	RHCP	RHCP
VSWR:	< 2.0:1	< 2.0:1	< 2.0:1	< 2.0:1	< 2.0:1	< 2.0:1
IMPEDANCE:	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms
ANTENNA GAIN (dBi):						
@ 90° Elevation:	-3	+4.9	+1.4	+4.7	+6.9	+6.0
@ 70° Elevation:	-13	-4.7	-8.2	-6.5	-4.1	-5.4
@ 20° Elevation:	-12	-3.1	-6.9	-4.3	-2.0	-3.1
@ 30° Elevation:	-10	-1.6	-5.3	-2.3	-0.1	-1.2
@ 60 - 90° Elevation:	> -5	> +3.3	> -0.3	> +2.7	> +5.0	> +4.0
BEAM WIDTH (3dB):	70 Deg.	80 Deg.	75 Deg.	70 Deg.	70 Deg.	70 Deg.
AXIAL RATIO:	1.5 dB	1 dB	1 dB	2 dB	1 dB	4 dB
LIGHTNING PROTECTION:	DC GROUNDING					
LNA GAIN:	40 dB	40 dB	40 dB	40 dB	40 dB	40 dB
LNA NOISE FIGURE:	3.0 dB	3.0 dB	3.0 dB	3.0 dB	3.0 dB	3.0 dB
LNA P1dB Out:	+13 dBm	+13 dBm	+13 dBm	+13 dBm	+13 dBm	+13 dBm
LNA DC POWER:	(2.5 to 24)V / < 60mA					
POWER HANDLING:	1 Watt CW, Optional: 10 Watts 1 Microsec Pulse (-A-)					

MECHANICAL:	
SIZE:	DIAMETER: 7.01in. [178 mm] HEIGHT: 6.279 in. [159.48 mm]
WEIGHT:	1.82 lbs. (825 g)
FINISH:	SKYDROL RESISTANT POLYURETHANE ENAMEL BASE IRIDITE PER MIL-C-5541F CLASS 1A
MATERIAL:	6061-T6 ALUMINUM ALLOY BASE COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT, SKYDROL RESISTANCE
CONNECTOR:	TNC FEMALE CONNECTOR (OPTION: SMA, BNC, TNC Bulkhead, N, N Bulkhead, MCX, MMCX)
ENVIRONMENTAL:	TEMPERATURE: -67 °F TO +185 °F [-55 °C TO +85 °C] ALTITUDE: 70,000 ft. VIBRATION: > 30 G's LEAKAGE: HERMETICALLY SEAL
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

QTY	DESCRIPTION	PART NO	REV
1	Radome	72GNSS2-A-XT-R2	4
1	1"-14 Mount (Optional)	MTR-3B2	3
1	5/8"-11 Mount	MTR-3B-G5	2
1	Choke Ring	7G1215P001-B3-S Rev H	1

SIZE:		LNA:	CABLE LENGTH:	CONNECTOR:	COLOR:
1: 2" SQ.	42: ARINC 743	A: WITH LNA	X: NO CABLE	S: SMA; SMB; SMR; B: BNC	-1: GLOSS WHITE #17925 PER FED-STD-595B
1.8; 1.8" SQ.	S2: 2.6" DIA. ON 5" GROUND PLANE	A4: WITH 40 dB LNA		M: MCX; MM; MMCX; MMR: MMCX-R	-2: LUSTERLESS GRAY #38320 PER FED-STD-595B
2: 2.6" DIA.	72: 7" DIA. CHOKER RING	P: WITHOUT LNA		N: N; NB; N Bulkhead	-3: OLIVE DRAB GREEN #34094 PER FED-STD-595B
3: 3.5" DIA.	72C: 7" DIA. CONICAL CHOKER RING			T: TNC; TB: TNC Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
4: MINI ARINC	X,X: Bare on X, Xn Dia, Ground Plane			SMC; SSMC; SSMB; SSMA	

P/N: **G5Ant-72CA4T1 Connector Color**

ANTCOM CORP.		TORRANCE, CALIFORNIA
SURVEY MOUNT, L1L2Glonass/L1L2GPS/OmniStar G5 Conical Choke Ring Antenna		
DATE	ISSUE NO.	ISSUED BY
D 3C VE1	G5Ant-72CAT1	AY
SCALE 1/1	SHEET 1 OF 1	