

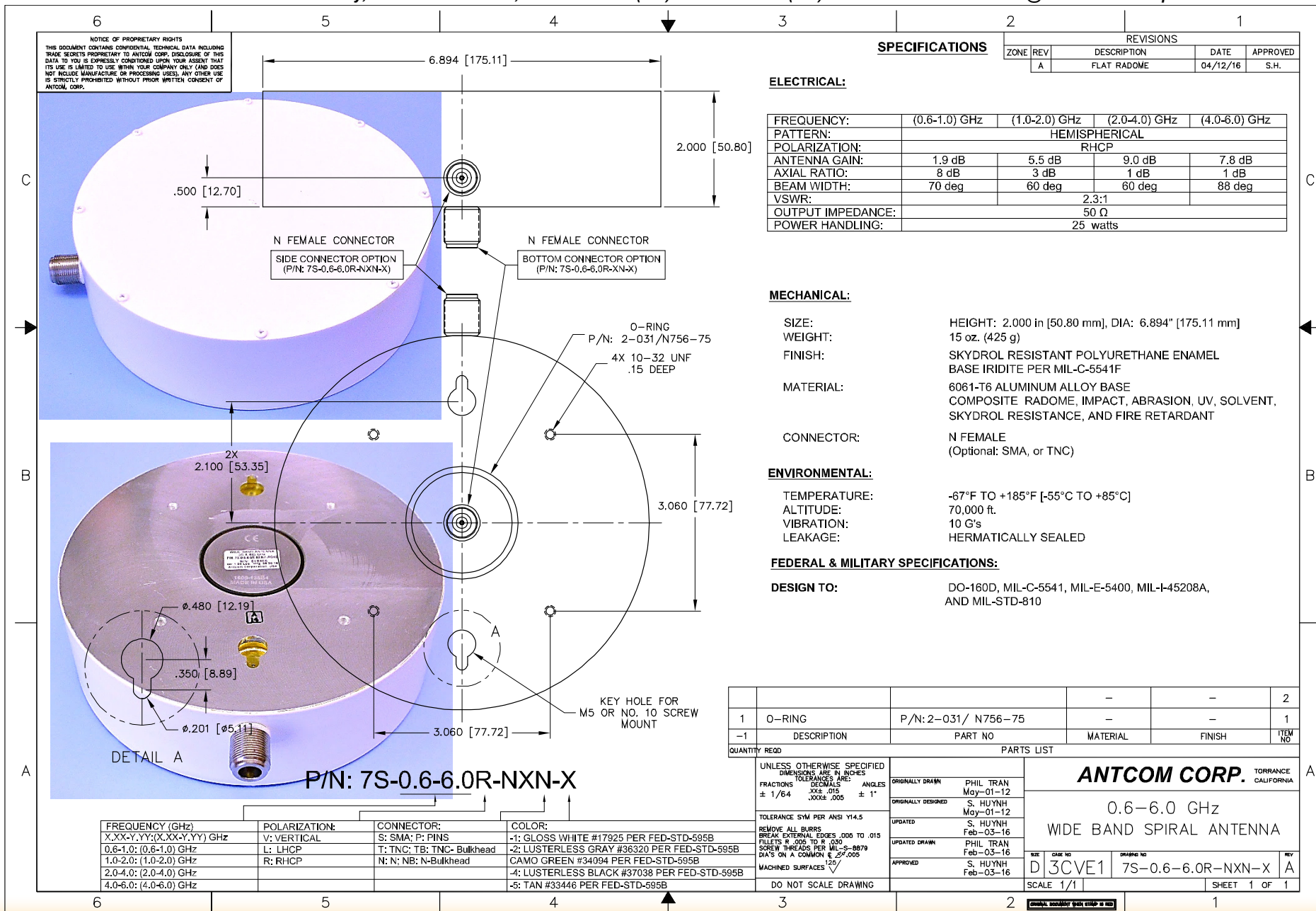


FAA Approved Facility

(0.6 – 6.0) GHz Wide-Band Antenna  
 P/N: 7S-0.6-6.0R-NXN-X (Side Connector)  
 P/N: 7S-0.6-6.0R-XN-X (Bottom Connector)  
 For Cellular, PCS, 2G, 3G, 4G, LTE, CDMA, GSM, Wi-Fi & UMTS Applications  
 (3.2" High x 7" Dia.), Other Frequencies, Colors and Connectors are Available  
 Antenna Mounts: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>



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**SPECIFICATIONS**

ZONE		REVISIONS		
REV	DESCRIPTION	DATE	APPROVED	
A	FLAT RADOME	04/12/16	S.H.	

**ELECTRICAL:**

	(0.6-1.0) GHz	(1.0-2.0) GHz	(2.0-4.0) GHz	(4.0-6.0) GHz
FREQUENCY:				
PATTERN:	HEMISPHERICAL			
POLARIZATION:	RHCP			
ANTENNA GAIN:	1.9 dB	5.5 dB	9.0 dB	7.8 dB
AXIAL RATIO:	8 dB	3 dB	1 dB	1 dB
BEAM WIDTH:	70 deg	60 deg	60 deg	88 deg
VSWR:	2.3:1			
OUTPUT IMPEDANCE:	50 Ω			
POWER HANDLING:	25 watts			

**MECHANICAL:**

SIZE: HEIGHT: 2.000 in [50.80 mm], DIA: 6.894" [175.11 mm]  
 WEIGHT: 15 oz. (425 g)  
 FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL  
 BASE IRIDITE PER MIL-C-5541F  
 MATERIAL: 6061-T6 ALUMINUM ALLOY BASE  
 COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT,  
 SKYDROL RESISTANCE, AND FIRE RETARDANT  
 CONNECTOR: N FEMALE  
 (Optional: SMA, or TNC)

**ENVIRONMENTAL:**

TEMPERATURE: -67°F TO +185°F [-55°C TO +85°C]  
 ALTITUDE: 70,000 ft.  
 VIBRATION: 10 G's  
 LEAKAGE: HERMETICALLY SEALED

**FEDERAL & MILITARY SPECIFICATIONS:**

DESIGN TO: DO-160D, MIL-C-5541, MIL-E-5400, MIL-I-45208A,  
 AND MIL-STD-810

QUANTITY REQD	DESCRIPTION	PART NO	MATERIAL	FINISH	ITEM NO
1	O-RING	P/N: 2-031/ N756-75	-	-	2
-1	DESCRIPTION	PART NO	MATERIAL	FINISH	ITEM NO

UNLESS OTHERWISE SPECIFIED	ORIGINALY DRAWN	ANTCOM CORP.
DIMENSIONS ARE IN INCHES	PHIL TRAN	TORRANCE CALIFORNIA
FRACTIONS DECIMALS ANGLES	May-01-12	
± 1/64 .005 ± 1°	ORIGINALY DESIGNED	
TOLERANCE SYM PER ANSI Y14.5	S. HUYNH	
REMOVE ALL BURRS	May-01-12	
BREAK EXTERNAL EDGES .005 TO .015	UPDATED	
FILLET R .005 TO R .030	S. HUYNH	
SCREW THREADS PER MIL-S-8879	Feb-03-16	
DIA'S ON A COMMON & 2 <sup>ND</sup> .005	UPDATED DRAWN	
MACHINED SURFACES 12/	PHIL TRAN	
	Feb-03-16	
	APPROVED	
	S. HUYNH	
	Feb-03-16	
DO NOT SCALE DRAWING		

SIZE	CAGE NO	DRAWING NO	REV
D	3CVE1	7S-0.6-6.0R-NXN-X	A
SCALE	1/1		

FREQUENCY (GHz): X.XX-Y.YY;(X.XX-Y.YY) GHz	POLARIZATION: V: VERTICAL L: LHCP R: RHCP	CONNECTOR: S: SMA; P: PINS T: TNC; TB: TNC- Bulkhead N: N; NB: N-Bulkhead	COLOR: -1: GLOSS WHITE #17925 PER FED-STD-595B -2: LUSTERLESS GRAY #36320 PER FED-STD-595B CAMO GREEN #34094 PER FED-STD-595B -4: LUSTERLESS BLACK #37038 PER FED-STD-595B -5: TAN #33446 PER FED-STD-595B
0.6-1.0: (0.6-1.0) GHz			
1.0-2.0: (1.0-2.0) GHz			
2.0-4.0: (2.0-4.0) GHz			
4.0-6.0: (4.0-6.0) GHz			