



FAA Approved Facility

**UHF/L/S-Band Antenna**  
**P/N: 5B-0.45-2.70V-O-XS-1 (0.45 – 2.70 MHz)**  
**P/N: 5B-0.70-2.70V-O-XN-2 (0.70 – 2.70 MHz)**  
 For Cellular, PCS, 2G, 3G, 4G, CDMA, GSM Wi-Fi & UMTS Applications  
 Other Frequencies, Connectors and Colors are Available  
 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](mailto:antennas@antcom.com) . <http://www.antcom.com>**

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<p style="font-size: 8px;">NOTICE OF PROPRIETARY RIGHTS          THIS DOCUMENT CONTAINS CONFIDENTIAL, TECHNICAL DATA INCLUDING TRADE SECRETS PROPRIETARY TO ANTCOM CORP. DISCLOSURE OF THE DATA TO YOU IS EXPRESSLY CONDITIONED UPON YOUR AGREEMENT THAT YOU WILL IN NO MANNER USE SUCH INFORMATION FOR ANY OTHER USE NOT EXPRESSLY AUTHORIZED BY ANTCOM CORP. ANY OTHER USE IS EXPRESSLY PROHIBITED WITHOUT THE WRITTEN CONSENT OF ANTCOM CORP.</p>	<p><b>SPECIFICATIONS</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4">REVISIONS</th> </tr> <tr> <th>ZONE</th> <th>REV</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>B</td> <td></td> <td>DATA</td> <td>03/17/16</td> </tr> <tr> <td></td> <td></td> <td></td> <td>S.H.</td> </tr> </tbody> </table>					REVISIONS				ZONE	REV	DESCRIPTION	DATE	B		DATA	03/17/16				S.H.	<p><b>ELECTRICAL:</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">UHF/L/S-BAND</th> </tr> </thead> <tbody> <tr> <td>FREQUENCY (MHz):</td> <td>698-960MHz / 1710-2170MHz / 2300-2700MHz</td> </tr> <tr> <td>PATTERN:</td> <td>OMNIDIRECTIONAL</td> </tr> <tr> <td>POLARIZATION:</td> <td>VERTICAL</td> </tr> <tr> <td>ANTENNA GAIN :</td> <td>3.5 dBil (on Minimum 24in Ground Plane)</td> </tr> <tr> <td>VSWR:</td> <td>700 MHz = 2.8:1, 800 MHz = 2.2:1, &gt;800 MHz = 2.0:1</td> </tr> <tr> <td>OUTPUT IMPEDANCE:</td> <td>50 Ω</td> </tr> <tr> <td>POWER HANDLING:</td> <td>100 watts CW</td> </tr> </tbody> </table>		UHF/L/S-BAND		FREQUENCY (MHz):	698-960MHz / 1710-2170MHz / 2300-2700MHz	PATTERN:	OMNIDIRECTIONAL	POLARIZATION:	VERTICAL	ANTENNA GAIN :	3.5 dBil (on Minimum 24in Ground Plane)	VSWR:	700 MHz = 2.8:1, 800 MHz = 2.2:1, >800 MHz = 2.0:1	OUTPUT IMPEDANCE:	50 Ω	POWER HANDLING:	100 watts CW																							
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					<p><b>MECHANICAL:</b></p> <p>SIZE: WIDTH 1.75 in. [44.45 mm], LENGTH 5.25 in. [133.35 mm], HEIGHT 4.625 in. [117.48 mm]</p> <p>WEIGHT: 9.6 oz. (272 g)</p> <p>FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL BASE IRIDITE PER MIL-C-5541F</p> <p>COLOR: LUSTERLESS GRAY #36320 PER FED-STD-595B GLOSS WHITE #17925 PER FED-STD-595B OLIVE DRAB GREEN #34031 PER FED-STD-595B LUSTERLESS BLACK #37038 PER FED-STD-595B</p> <p>MATERIAL: 6061-T6 ALUMINUM ALLOY BASE THERMOSET PLASTIC RADOME, UV, ABRASION AND SKYDROL RESISTANCE</p> <p>CONNECTOR: TMC FEMALE (OPTION: SMA, TNC Bulkhead, BNC, MCX, MMCX, or Cable)</p>																																																									
<p><b>ENVIRONMENTAL:</b></p> <p>TEMPERATURE: -67°F TO +185°F [-55°C TO +85°C]</p> <p>ALTITUDE: 70,000 ft.</p> <p>VIBRATION: 10 G's</p> <p>LEAKAGE: HERMETICALLY SEAL</p>					<p><b>FEDERAL &amp; MILITARY SPECIFICATIONS:</b></p> <p>DO-160D, MIL-C-5541, MIL-E-5400, MIL-I-45208A, AND MIL-STD-810</p>																																																									
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