



AX410LP

470MHz-860MHz 10dbi LP

Antenna

User's Manual

AV030522/1-000
REV. X3 - 1 August 2003

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1. General.

The AX410LP is a UHF log periodic antenna with a gain of 10dbi for demanding indoor or outdoor applications.

2. Specifications

2.1 Electrical

- a) Gain: 10dbi
- b) Horizontal radiation pattern See Figure A below
- c) Return loss See Figure B below
- d) Input connector BNC-Female
- e) Input impedance 50 OHM
- f) Maximum power 10 W

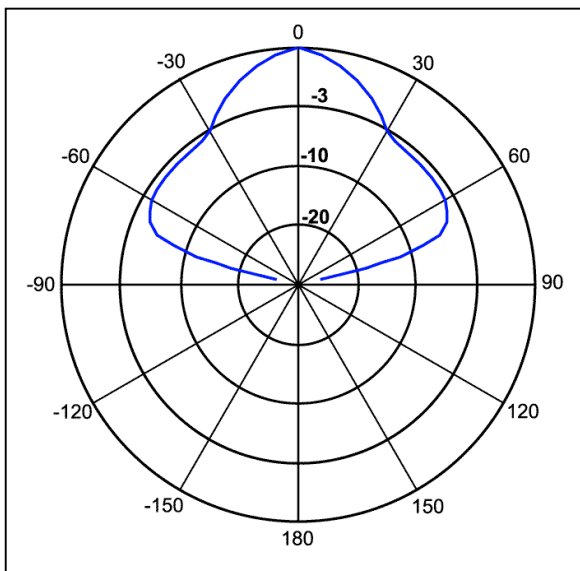


Figure A – H Radiation Pattern

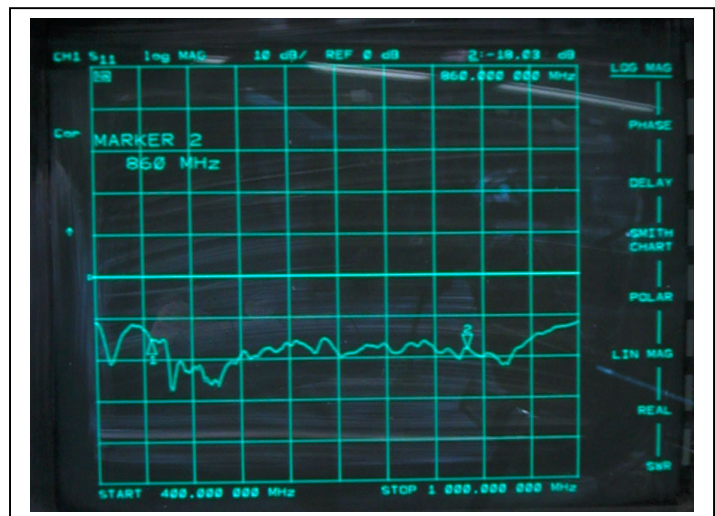


Figure B – S11 Return Loss

2.2 Mechanical

- a) Size 27.7" x 12.5" x 2.98" (see Figure C)
704mm x 318mm x 76mm
- b) Weight <33.5 oz.
<948 gram
- c) Shipping weight <67 oz.
<1896 gram

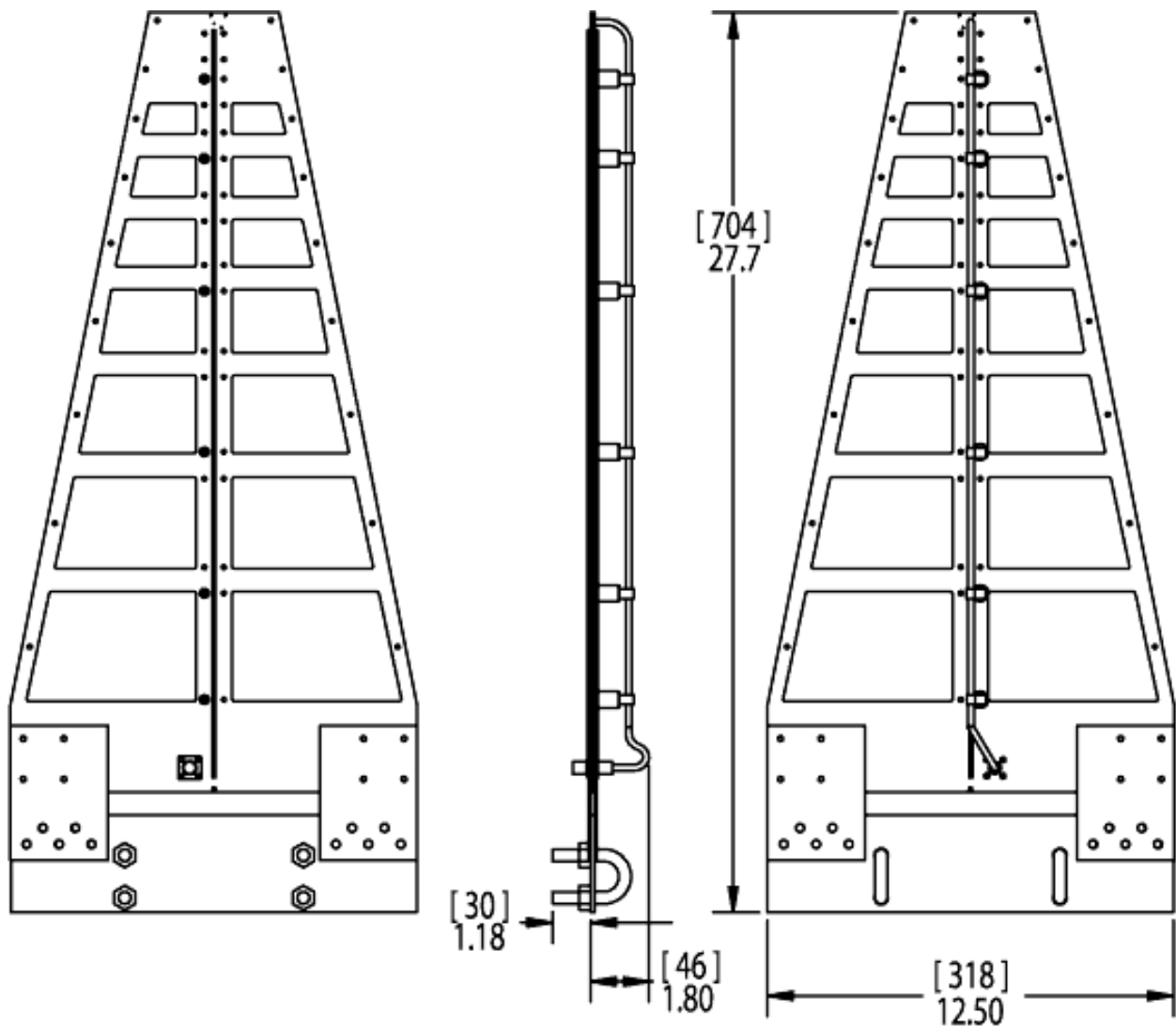


Figure C – AX410LP Mechanical Drawings

2.3 Environmental Conditions.

The AX410LP Series is designed to meet the following environmental conditions:

- | | |
|-----------------------------|---|
| 2.3.1 Operating temperature | -2° to 122° F
-55° to 85° C |
| 2.3.2 Storage temperature | -13° to 150° F
-55° to 90° C |
| 2.3.3 Vibration | 1.5G, from 10Hz to 2KHz, sine wave, 3 axis |
| 2.3.4 Shock | 15G, 25msec, half sine wave, three axis |
| 2.3.5 Humidity | 5 to 95%, non-condensing |
| 2.3.6 Inclination | Any |
| 2.3.7 Altitude | -1500 feet to 70,000 feet
-450 meter to 4,500 meters |

3. Ordering Information.

AX410LP 470MHz-860MHz Log Periodic antenna