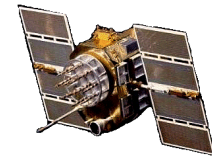




# Active L1/L2 GPS Antenna, P/N: 2.3G1215A2-XRS-X Rev A

## Low Profile (2.15x2.07x0.37) in, Flat/Front Mount Configuration, No Paint



ISO 9001:2008/FAA Approved Facility    Antenna Mounts: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>

**ANTCOM CORPORATION . 367 Van Ness Way, #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>**

6
5
4
3
1

NOTICE OF PROPRIETARY RIGHTS  
THIS DOCUMENT CONTAINS CONFIDENTIAL TECHNICAL DATA INCLUDING TRADE SECRETS PROPRIETARY TO ANTCOM CORP. DISCLOSURE OF THIS DATA TO YOU IS EXPRESSLY CONDITIONED UPON YOUR ASSENT THAT ITS USE IS LIMITED TO USE WITHIN YOUR COMPANY ONLY (AND DOES NOT INCLUDE MANUFACTURE OR PROCESSING USES). ANY OTHER USE IS STRICTLY PROHIBITED WITHOUT PRIOR WRITTEN CONSENT OF ANTCOM, CORP.

**SPECIFICATIONS**

		L1: (1575.42 ±12) MHz		L2: (1227.60 ±12) MHz	
		HEMISPHERICAL			
		RHCP			
		50 ohms		50 ohms	
FREQUENCY:					
RADIATION PATTERN:					
POLARIZATION:					
VSWR:		< 1.5:1		< 1.5:1	
IMPEDANCE:		50 ohms		50 ohms	
ANTENNA GAIN (dBic):		Free Space	3 in G.P.	4 ft G.P.	Free Space
@ 90° (ZENITH):		+ 2.7	+ 3.1	+ 3.1	+ 4.5
@ 10° Elevation:		- 4.4	- 1.8	- 1.9	- 6.7
@ 20° Elevation:		- 2.3	- 0.3	+ 0.6	- 5.6
@ 30° Elevation:		- 0.8	+ 1.4	+ 1.7	- 4.5
@ 60 - 90° Elevation:		> 2.0	> 3.9	> 2.4	> 0.0
BEAM WIDTH (3dB):		113 Deg.	114 Deg.	143 Deg.	85 Deg.
AXIAL RATIO:		2 dB		2 dB	
LIGHTNING PROTECTION:		DC GROUNDING			

SMA Right Angle Female Con.

SIZE:	FREQ. BAND:	LNA:
1- 2" SQ.	1215: L1/L2	A: WITH 30 dB LNA; A2: WITH 20 dB LNA
1.9- 1.9" SQ.	15: L1 ONLY	A1: WITH 10 dB LNA
2.3- 2.3" SQ.		P: WITHOUT LNA
2- 2.6" DIA.		P2: WITHOUT LNA, WITH RHCP/LHCP POLARIZATION
3- 3.5" DIA.		P2L: WITHOUT LNA, WITH DUAL LINEAR POLARIZATION

**P/N 2.3G1215A2-XRS-X**

CABLE'S LENGTH:	CONNECTOR:	COLOR:
X: NO CABLE	S: SMA; P, P2: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
M: MAG. N; NO MAG	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
#: CABLE LENGTH (IN)	N: NB; RS: R-SMA	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
R: RIGHT ANGLE CON.	T: TB; TNC; TNC-Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B

1	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	ITEM NO
1	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS TO DECIMALS ANGLES ± 1/64 .XXX ± 1°					
1	TOLERANCE SYM PER ANSI Y14.5 REMOVE ALL BURRS BREAK EXTERNAL EDGES .005 TO .015 FILLETS R .005 TO R .030 SCREW THREADS PER MIL-S-8879 DIA'S ON A COMMON ± .005 MACHINED SURFACES .25/					
	DO NOT SCALE DRAWING					

<b>ANTCOM CORP.</b> TORRANCE, CALIFORNIA	
L1/L2 Active GPS ANTENNA for BAE (LTLM)	
DRAWN: S. HUYNH	SCALE 1/1
CHECKED: S. HUYNH	SHEET 1 OF 1
ENGINEER: S. HUYNH	DATE: Sep/04/07
APPROVED: S. HUYNH	CAGE NO: D3CVE1
CAD FILE NO:	DRAWING NO: 2.3G1215A2-XRS-X

2. ADHESIVE GASKET IS SUPPLIED BY ANTCOM CORPORATION

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

6
5
4
3
2
1

NMO Connector Option is Now Available for Some Antennas