



**S/C/X/Ku-Band Antenna,**  
 (2400 – 5800) MHz, P/N: 2G2.4-5.8V-P-XS-2-TR, (1900 – 6000) MHz, P/N: 2G1.9-6.0V-P-XS-2-TR  
 (8000 – 12000) MHz, P/N: 2G8.0-12.0V-P-XS-2-TR  
**Other Frequency Bands Are Also Available. 1.5" Tall Spherical Back Mount Configuration.**



ISO 9001:2008/FAA Approved Facility

Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>

**ANTCOM CORPORATION . 367 Van Ness Way, Suite 602 . Torrance, CA 90501, USA . Tel: (310) 782-1076 . Fax: (310) 782-1086 . E-mail: [antennas@antcom.com](mailto:antennas@antcom.com) . <http://www.antcom.com>**

**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 PROHIBITED UNLESS YOU AGREE THAT ITS USE IS LIMITED TO USE WITH YOUR COMPANY ONLY AND DOES NOT INCLUDE MANUFACTURE OR REPRODUCTION. ANY OTHER USE IS EXPRESSLY PROHIBITED WITHOUT PRIOR WRITTEN CONSENT OF ANTCOM CORP.

**SPECIFICATIONS**

**ELECTRICAL:**

S/C-BAND	
FREQUENCY:	(2.4 - 5.8 GHz)
EXTENDED BANDWIDTH :	(1.9 - 6.0 GHz)
PATTERN:	OMNIDIRECTIONAL
POLARIZATION:	VERTICAL
ANTENNA GAIN :	> 2 dB
VSWR:	2.0:1
OUTPUT IMPEDANCE:	50 Ω
POWER HANDLING:	>50 watts (without LNA)
LNA OPTION:	GAIN: 20 dB, NF: 4.1 dB, OP1dB: +18dB, OIP3: +33dB DC: (5 to 24) Volt @ <70mA

**MECHANICAL:**

SIZE: DIAMETER 2.60 in. [66.04 mm]  
 HEIGHT 1.52 in. [38.68 mm]  
 WEIGHT: 9.6 oz. (0.27 Kg)  
 FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL  
 BASE IRIDITE PER MIL-C-5441  
 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  
 MATERIAL: 6061-T6 ALUMINUM ALLOY BASE  
 THERMOSET PLASTIC RADOME, UV, ABRASION AND SKYDROL RESISTANCE  
 CONNECTOR: SMA FEMALE CONNECTOR  
 (OPTION: QMA, TNC, SMB, SSMA, SSMB, SSMP, MCX, OR SMP)

**ENVIRONMENTAL:**

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

**FEDERAL & MILITARY SPECIFICATIONS:**

**DESIGN TO:** DO-160D, MIL-C-5441, MIL-E-5400, MIL-I-45208A, AND MIL-STD-810

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

R1.300 [R33.02]

∅2.600 [∅66.04]

**REVISIONS**

1.523 [38.68]

SMA FEMALE CONNECTOR  
(OPTION: QMA, TNC, SMB, SSMA, SSMB, SSMP, MCX, MMCX OR SMP)

**ELECTRICAL:**

DUAL BAND WLAN ANTENNA  
P/N: 2G2.4-5.8V-P-XS-2-TR  
S/N: 266307  
Wt: 4.0 oz. Mfg: 08/18/11  
Antcom Corporation, USA

∅1.278 [∅32.46]  
 ∅1.090 [∅27.69]  
 O-Ring P/N: MS28775-024

**MECHANICAL:**

1.250 [31.75]  
1.630 [41.41]

4X 6-32 UNC  
.250 DEEP  
Equally Spaced On 1.153 Rad.

4X 4-40 UNC  
.250 DEEP  
Equally Spaced On .884 Rad.

**ENVIRONMENTAL:**

1.250 [31.75]  
1.630 [41.41]

**FEDERAL & MILITARY SPECIFICATIONS:**

**DESIGN TO:**

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]  
 NOTES: UNLESS OTHERWISE SPECIFIED:

P/N: 2G2.4-5.8V-P-XS-2-TR

LNA:	CONNECTOR:	COLOR:
A: WITH LNA	S: SMA, Q: QMA, SMB, SMBR, B: BNC	-1: GLOSS WHITE #17925 PER FED-STD-595B
F: WITHOUT LNA	M: MCX, MM: MMCX/MMR, MMCX-R	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
A4: WITH LNA (40 dB)	N: N, NB: N-Bulkhead	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
	T: TNC, TB: TNC-Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
	SMC, SSMC, SSMB, SSMA	-5: DESERT TAN #33446 PER FED-STD-595B

1	2	3	4	5
1	O-RING	MS28775-024	-	1
-1	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL

PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	ORIGINAL DRAWN	ANTCOM CORP. TORRANCE CALIFORNIA
FRACTIONS: XXX/100 ANGLES: ± 1°	S. HUYNH May-17-01	<b>2G Omnidirectional Vertically Polarized Antenna</b>
TOLERANCE: .5M PER ANSI Y14.5	S. HUYNH May-17-01	
REMOVE ALL SURFERS GREAT EXTERNAL EDGES .005 TO .015 FILLETS R .005 TO R .010 CHAMFER EDGES PER MIL-STD-883C DIA'S ON A COMMON ± .0005 MACHINED SURFACES .001	S. HUYNH Jan-14-13	
DO NOT SCALE DRAWING	S. HUYNH Jan-14-13	

NMO Connector Option is Now Available for Some Antennas