



FAA Approved Facility

(0.81-0.96) GHz Antennas, P/N: 2G0.81-0.96RR-P-XTBC-1 (RHCP); P/N: 2G 0.81-0.96 LL-P-XTBC-1 (LHCP) **GSM 800**
 (1.25-1.35) GHz Antennas, P/N: 2G1.25-1.35RR-P-XTBC-1 (RHCP); P/N: 2G1.25-1.35LL-P-XTBC-1 (LHCP)
 (1.35-1.45) GHz Antennas, P/N: 2G1.35-1.45RR-P-XTBC-1 (RHCP); P/N: 2G1.35-1.45LL-P-XTBC-1 (LHCP)
 (1.70-1.90) GHz Antennas, P/N: 2G1.70-1.90RR-P-XTBC-1 (RHCP); P/N: 2G1.70-1.90LL-P-XTBC-1 (LHCP) **GSM 1800**
 (1.90-2.20) GHz Antennas, P/N: 2G1.90-2.20RR-P-XTBC-1 (RHCP); P/N: 2G1.90-2.20LL-P-XTBC-1 (LHCP) **UMTS 2100**
 (2.00-2.30) GHz Antennas, P/N: 2G2.00-2.30RR-P-XTBC-1 (RHCP); P/N: 2G2.00-2.30LL-P-XTBC-1 (LHCP)
 (2.20-2.40) GHz Antennas, P/N: 2G2.20-2.40RR-P-XTBC-1 (RHCP); P/N: 2G2.20-2.40LL-P-XTBC-1 (LHCP)
 (2.40-2.50) GHz Antennas, P/N: 2G2.40-2.50RR-P-XTBC-1 (RHCP); P/N: 2G2.40-2.50LL-P-XTBC-1 (LHCP)
 (2.56-2.69) GHz Antennas, P/N: 2G2.56-2.69RR-P-XSC-2 (RHCP); P/N: 2G2.56-2.69LL-P-XSC-2 (LHCP)



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Other Frequencies, Antenna Sizes, Connectors/Locations, and Mounting Configurations are Available

NMO Connector Option is Now Available for Some Antennas

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Ø2.630 [Ø66.80]
 R6.000 [R152.40]
 .722 [18.34]
 TNC-FEMALE BULKHEAD CONNECTOR
 (OPTION: SMA, TNC-Bulkhead, N, N-Bulkhead, MCX, MMCX, or Cable)
 O-RING
 P/N: MS28775-024
 1.250 [31.75]
 1.630 [41.41]
 4x .190-32 UNC
 .250 Deep
 Equally Spaced on 1.153 Rad.
 4x 4-40 UNC
 .250 Deep
 Equally Spaced on .884 Rad.

SPECIFICATIONS

ELECTRICAL:

RADIATION PATTERN:	HEMISPHERICAL	
POLARIZATION:	RHCP or RHCP	
VSWR:	< 1.5:1	
GAIN (dB):	4 ft G.P.	Free Space
@ 90° (Zenith):	+4.6	+6.1
@ 10° Elevation (Ave):	-1.1	-2.4
@ 20° Elevation (Ave):	+2.2	-0.3
@ 30° Elevation (Ave):	+2.2	+1.0
@ 45° Elevation (Ave):	+3.4	+2.9
@ 70° Elevation (Ave):	+4.4	+5.3
Beam Width (3dB):	110 °	88 °
AXIAL RATIO @ Zenith:	2.0 dB	
IMPEDANCE:	50 Ohms	
POWER HANDLING:	200 Watt	
DC GROUNDING:	YES (LIGHTNING PROTECTION)	

MECHANICAL:

SIZE: DIAMETER = 2.63 in.[66.80 mm]
 HEIGHT = 0.722 in. [18.34 mm]
 WEIGHT: 5.15 oz. (.146 Kg)
 FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL
 BASE IRIDITE PER MIL-C-5441F
 COLOR: GLOSS WHITE #17925 PER FED-STD-595B
 LUSTERLESS GRAY #36320 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
 COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT,
 AND SKYDROL RESISTANCE, FIRE RETARDANT
 CONNECTOR: TNC-FEMALE BULKHEAD
 (OPTION: SMA, TNC, N, N Bulkhead, MCX, MMCX, or Cable)

ENVIRONMENTAL:

TEMPERATURE: -67 °F TO +185 °F [-55 °C TO +85 °C]
 ALTITUDE: 70,000 ft.
 VIBRATION: > 30 G's
 LEAKAGE: HERMETICALLY SEAL

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: FAA TSO-C144, DO-160D, D0-228, MIL-C-5541,
 MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

SIZE:	(START - END) FREQ:	POLARIZATION:	LNA:	FILTER:
1: 2" SQ.	1.25 - 1.35 GHz	LL LHCP	A1: WITH +23 dB LNA	
1.9: 1.9" SQ.	1.35 - 1.45 GHz	RR: RHCP	A2: WITH +43 dB LNA	
2: 2.6" DIA.	2.00 - 2.30 GHz		P: WITHOUT LNA	
3: 3.5" DIA.	2.20 - 2.40 GHz			
4: MINI ARINC	2.40 - 2.50 GHz			
	X XX - Y YY GHz			

QTY	DESCRIPTION	PARTS LIST	MATERIAL	FINISH	ITEM NO.
4	MOUNTING SCREWS: 4-40, 3/4"	MS24693-C	-	-	3
4	MOUNTING SCREWS: 6-32, 3/4"	MS24693-C	-	-	2
1	O-RING	MS28775-024	-	-	1

P/N: 2GX.XX-Y.YYRR-P-XTBC-1

CABLE LENGTH:	CONNECTOR:	COLOR:
X: NO CABLE	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
M: WITH MAG. MOUNT	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
#: CABLE LENGTH (IN)	N, NB: N, N-Bulkhead	-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
		-5: TAN #33446 PER FED-STD-595B

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES
 FRACTIONS: TOLERANCES: ANGLES: ± 1/64 .XXX .005 ± 1°
 TOLERANCE SURF PER ANSI Y14.5
 REMOVE ALL BURRS
 BREAK EXTERNAL EDGES .005 TO .015
 F. TRAN. P. TRAN.
 SCREEN THICKNESS PER MIL-S-8879
 EN'S OR A COMMON & 27-000
 MACHINED SURFACES 12/1
 DO NOT SCALE DRAWING

ORIGINALLY DRAWN	S. HUYNH Sep-15-03
ORIGINALLY DESIGNED	S. HUYNH Sep-15-03
UPDATED	S. HUYNH Feb-01-13
UPDATE DRAWN	P. TRAN Feb-01-13
APPROVED	S. HUYNH Feb-01-13

ANTCOM CORP. TORRANCE, CALIFORNIA

2.6" Dia. FLAT FIXED MOUNT
 L/S/WIFI ANTENNA

SCALE 1/1 SHEET 1 OF 1