



Active L1 GPS/IRIDIUM/WI-FI Antenna, P/N: 5G151624RRL-A2P-XTTT-X (20dB, TNC Connectors)
 Active L1/L2 GPS/IRIDIUM/WI-FI Antenna, P/N: S5GIR121625RRL-APP-XSSX-X (33dB, SMA Connectors)
 Active L1/L2 GPS/IRIDIUM/WI-FI Antenna, P/N: S5GIR121625RRL-APP-XSSX-UU
 (33dB, SMA, "-UU" (Gray) for Under Water Applications (10,000meter))



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 . <http://www.antcom.com>

NOTICE OF PROPRIETARY RIGHTS
 THE FOLLOWING CONTAINS CONFIDENTIAL, TECHNICAL DATA INCLUDING TRADE SECRETS PROPRIETARY TO ANTCOM CORP. DISCLOSURE OF THIS DATA TO YOU IS EXPRESSLY CONSIDERED UNLAWFUL UNLESS YOUR USE IS LIMITED TO USE WITHIN 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:

	L1 GPS/L-Band	IRIDIUM	WIFI
FREQUENCY:	(1575.42 ±12) MHz,	(1610.0 - 1626.5) MHz	(2400-2500) MHz
RADIATION PATTERN:	(1555.00 ±17) MHz	HEMISPHERICAL	VERTICAL
POLARIZATION:	RHCP	RHCP	LHCP
VSWR:	< 1.5:1	< 1.5:1	< 2:1
GAIN (dB):	F.S	4 ft G.P.	F.S
@ 90° Zenith:	+ 4.6	+ 2.9	+4.9
@ 10° Elevation (Ave):	- 2.5	- 1.8	-2.4
@ 20° Elevation (Ave):	- 1.1	+ 0.7	-0.8
@ 30° Elevation (Ave):	+ 0.5	+ 1.7	+0.8
@ 45° Elevation (Ave):	> 3.6	> 2.1	+2.8
@ 70° Elevation (Ave):	> 3.6	> 2.1	+4.6
AXIAL RATIO @ Zenith:	2 dB		2 dB
POWER HANDLING:	1 Watt		
DC GROUNDING:	YES (LIGHTNING PROTECTION)		
FILTER (REJ. @1616 MHz):			
REJECTION @ (-50/+50) MHz:	-45 dB / -40 dB		
@ (-100/+100) MHz:	< -65 dB		
LNA GAIN:	22 dB (P1dBout = +13 dBm)		
LNA NOISE FIGURE:	2.2 dB		
LNA VOLTAGE:	(+2.5 to +24) Volts DC FROM Rx RF CON.		
LNA DRAWING CURRENT:	< 30 mA		

MECHANICAL:

SIZE: WIDTH: 2.20 in. [55.88 mm], LENGTH: 5.026 in [127.66 mm], HEIGHT: 0.721 in. [18.31 mm]
 WEIGHT: < 8.0 oz. (226 g)
 FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL BASE IRIDITE PER MIL-C-5441
 MATERIAL: 6061-T6 ALUMINUM ALLOY BASE COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT AND SKYDROL RESISTANCE, FIRE RETARDANT
 CONNECTOR: GPS: TNC-F (Blue), IRIDIUM: TNC-F (Red), WIFI: TNC-F (Green) (OPTION: SMA, TNC, Bulkhead, N, N Bulkhead, MCX, MMCX, or Cable)
 MOUNTING: FLAT FIXED MOUNT; O-RING & 4 x 10-32 MOUNTING SCREWS PROVIDED

ENVIRONMENTAL:

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

FEDERAL & MILITARY SPECIFICATIONS:

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

DESIGN

QUANTITY	DESCRIPTION	PART NO.	MATERIAL	FINISH	REV.
4	MOUNTING SCREW: (10-32, 1")	MS24693C276	-	-	5
1	O-RING	2-038-N756-75	-	-	1

CONFIGURATION

FRONT BAND:	GPS/XM LNA:	CABLE'S LENGTH:	GPS/IRIDIUM/XM CON:	COLOR:
1. 2" SQ. (FLAT)	R: GPS/IRIDIUM	X: NO CABLE	S: SMA; P: PINS	1: GLOSS WHITE #17925 PER FED-STD-595B
1.9: 1.9" SQ. (FLAT)	L: WIFI	M: WITH MAG. MOUNT	M: MCX; MM: MMCX	2: LUSTERLESS GRAY #36320 PER FED-STD-595B
2. 2.6" DIA. (FLAT)	151615: GPS/IRIDIUM-L-Band	#: CABLE LENGTH (IN)	N: N; NB: N-Bulkhead	3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
3. 3.5" DIA. (FLAT)	151624: GPS/IRIDIUM/WI-FI	P: WITHOUT LNA	T: TNC; TB: TNC- Bulkhead	4: LUSTERLESS BLACK #37038 PER FED-STD-595B
4: MINI ARINC (FLAT)		R: RIGHT ANGLE CON.		
5G: (5.0x2.2)in Rect.	A: 33dB			
5B: (HELIX BLADE)				
5D: (HELIX HANDHELD)				

NOTES: UNLESS OTHERWISE SPECIFIED:
 1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
 2. ALL SCREWS ARE SUPPLIED BY ANTCOM CORPORATION

P/N: 5G151624RRL-A2P-XTTT-1

NMO Connector is Now Available for Some Antennas