



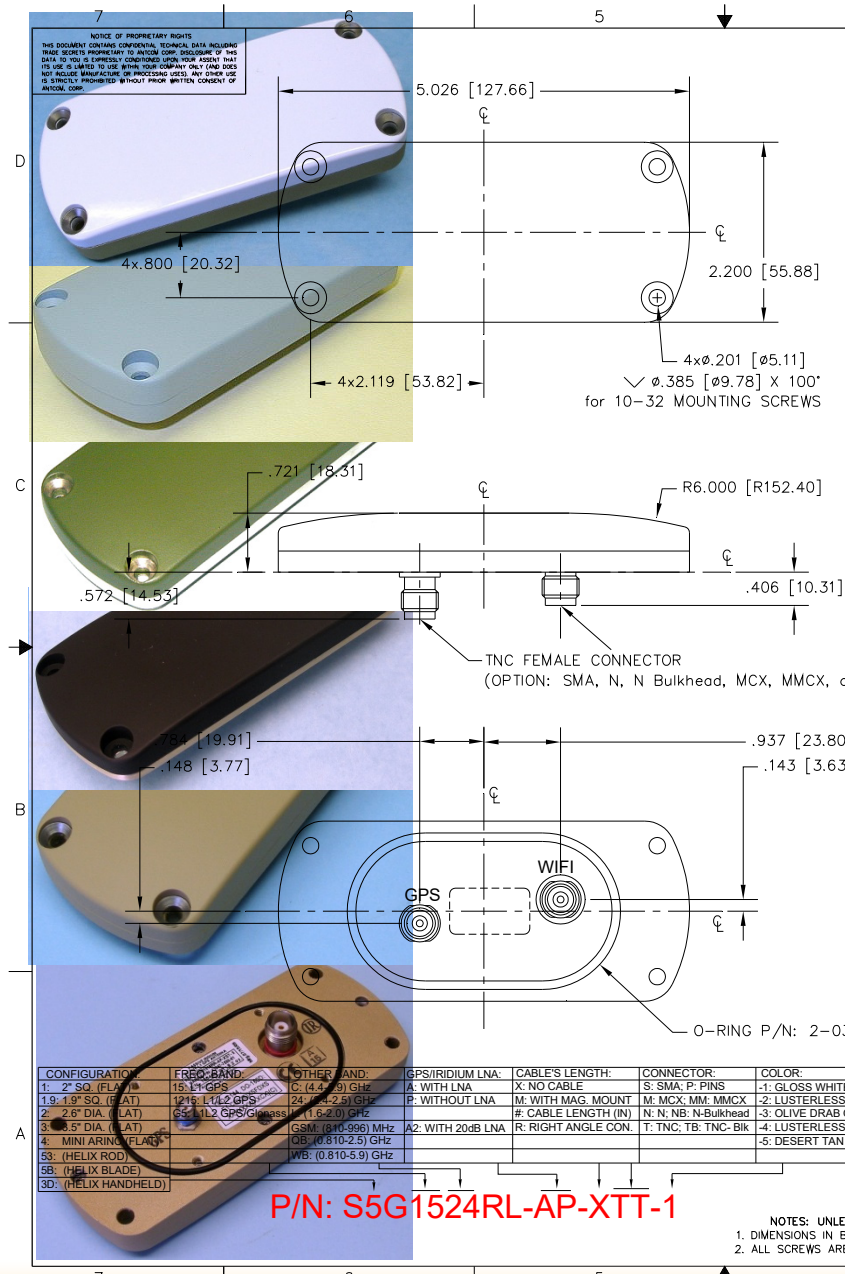
FAA Approved Facility

Active L1 GPS & Passive LHCP WIFI Antenna: P/N: S5G1524RL-AP-XTT-1
 Active L1 GPS & Passive RHCP WIFI Antenna: P/N: S5G1524RR-AP-XTT-1
 Active L1/L2 GPS & Passive LHCP WIFI Antenna: P/N: S5G121524RL-AP-XTT-1
 Active L1/L2 GPS & Passive RHCP WIFI Antenna: P/N: S5G121524RR-AP-XTT-1

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



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



SPECIFICATIONS		REVISIONS		
ZONE	REV	DESCRIPTION	DATE	APPROVED
ELECTRICAL:				
FREQUENCY:	WIFI (2400 - 2500) MHz		GPS L1: (1575.42 ±13)	
RADIATION PATTERN:	HEMISPHERICAL		HEMISPHERICAL	
POLARIZATION:	LHCP		RHCP	
VSWR:	< 1.5:1		< 1.5:1	
GAIN (dB):	F.S.	4 ft G.P	F.S.	4 ft G.P
@ 90° (Zenith):	+6.1	+4.6	+4.6	+2.9
@ 10° Elevation:	-2.4	-1.1	-2.5	-1.8
@ 20° Elevation:	-0.3	+2.2	-1.1	+0.7
@ 30° Elevation:	+1.0	+2.2	+0.5	+1.7
@ 45° Elevation:	+2.9	+3.4	+2.1	+1.9
@ 60° to 90° Elevation:	+5.3	+4.4	> 3.6	> 2.1
BEAM WIDTH (3dB):	88°	110°	103°	146°
AXIAL RATIO @ Zenith:	2 dB			
POWER HANDLING:	1 Watt			
LIGHTNING PROTECTION:	DC GROUNDING			
FILTER (REJ. @1616 MHz):	> 60 dB			
LNA GAIN:	(33.0 +/-1.0) dB, 20dB (-A2- Option)			
LNA P 1dB Out:	+16 dBm			
LNA NOISE FIGURE:	2.8 dB (Filter loss is Included)			
VOLTAGE/CURRENT:	(±2.8 TO +28) Volts DC / (30 TO 50) 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: 8.3 oz (235 g)

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL, AND BASE IRIDITE PER MIL-C-5441F

MATERIAL: 6061-T6 ALUMINUM ALLOY BASE COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT, AND SKYDROL RESISTANCE, FIRE RETARDANT

CONNECTOR: TNC FEMALE CONNECTOR (OPTION: SMA, 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:

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

CONFIGURATION	FREQ. BAND	OTHER BAND	GPS/IRIDIUM LNA	CABLE'S LENGTH	CONNECTOR	COLOR
1: 2" SQ. (FLAT)	15: L1-GPS	C: (4.0-9.0) GHz	A: WITH LNA	X: NO CABLE	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
1.9: 1.9" SQ. (FLAT)	14: L1/L2-GPS	24: (1.6-2.0) GHz	P: WITHOUT LNA	M: WITH MAG. MOUNT	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #38320 PER FED-STD-595B
2: 2.6" DIA. (LAT)	65: L1/L2-GPS/Glass	F: (1.6-2.0) GHz	N: N; NB: N-Bulkhead	#: CABLE LENGTH (IN)	N: N; NB: N-Bulkhead	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
3: 3.5" DIA. (LAT)			A2: WITH 20dB LNA	R: RIGHT ANGLE CON.	T: TNC; TB: TNC-Blk	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
4: MINI ARING (FLAT)		GSM: (0.810-0.96) MHz				-5: DESERT TAN #33446 PER FED-STD-595B
5: (HELIX ROD)		CB: (0.810-2.5) GHz				
5B: (HELIX BLADE)		WB: (0.810-5.9) GHz				
3D: (HELIX HANDHELD)						

P/N: S5G1524RL-AP-XTT-1

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

QUANTITY	DESCRIPTION	PART NO	MATERIAL	FINISH	REV
4	MOUNTING SCREW: (10-32, 1")	M24693C276	-	-	3
1	O-RING	2-038-N756-75	-	-	1

DATE	BY	CHKD	APP'D	REV
DEC-13-02	S. HUYNH			1
DEC-13-02	S. HUYNH			2
JAN-24-13	S. HUYNH			3
JAN-24-13	S. HUYNH			4
JAN-24-13	S. HUYNH			5

ANTCOM CORP. TORRANCE, CALIFORNIA
 FLAT FIXED MOUNT
 ACTIVE L1 GPS & (2.4-2.5)GHz
 ANTENNA

SCALE 1/1 SHEET 1 OF 1

NMO Connector is Now Available for Some Antennas