



ISO 9001:2008/FAA Approved Facility

GPS+GSM+Iridium or GPS+Dual Iridium Antenna

P/N: 5G091516LRR-AP-GTTT-1-TLSC (GSM/L1-GPS/Iridium with all TNC Connectors)

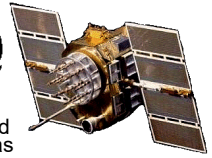
P/N: 5G091216LRR-AP-GTTT-1-TLSC (GSM/L1/L2-GPS/Iridium with all TNC Connectors)

(Heavy Duty Suction Cup Mount Configuration, Other Mounting Options are Available)

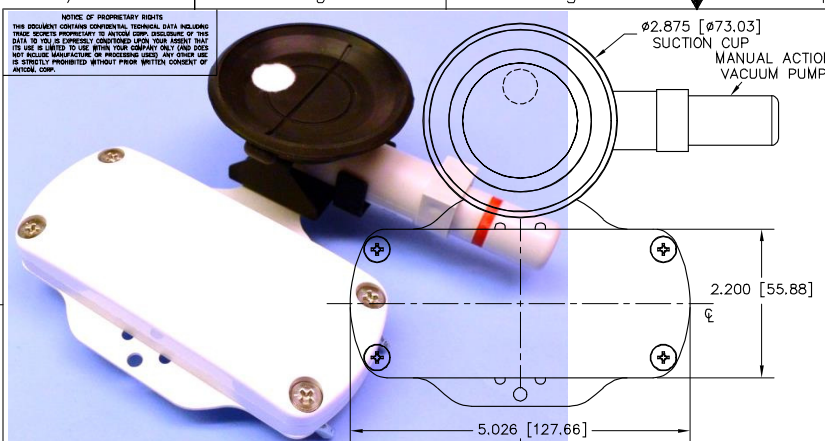
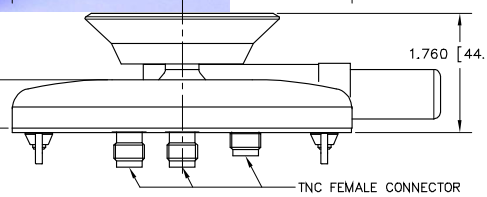
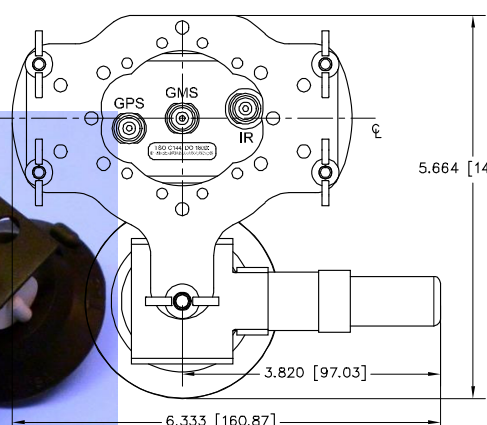
Antenna Mounts: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>



FAA Approved TSO Antennas



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ELECTRICAL:

SPECIFICATIONS		IRIDIUM		GSM	
FREQUENCY:	L1: (1575.4 ±13) L2: (1227.6 ±13) MHz	(1610.0- 1626.5) MHz		(See Bottom Table)	
RADIATION PATTERN:	HEMISPHERICAL		HEMISPHERICAL	Vertical / Horizontal	
POLARIZATION:	RHCP		RHCP	OMNI	
VSWR:	< 1.5:1		< 1.5:1	< 2:1	
GAIN (dB):	F.S. 4 ft G.P	F.S. 4 ft G.P	4 ft G.P	F.S	
@ 90° (Zenith):	+ 4.6 + 2.9	+ 1.8 + 5.3	+4.9	+5.0	
@ 10° Elevation:	- 2.5 - 1.8	- 4.2 - 2.3	-1.0	-2.5	
@ 20° Elevation:	- 1.1 + 0.7	- 2.9 + 0.4	+1.5	-0.5	
@ 30° Elevation:	+ 0.5 + 1.7	- 2.0 + 2.3	+2.4	+1.0	
@ 60° to 90° Elevation:	> 3.6 > 2.1	> 0.9 > 3.2	>+3.3	>+2.7	
BEAM WIDTH (3dB):	103° 146°	108° 74°	129° 98°	~106°	
AXIAL RATIO @ Zenith:	2 dB		2 dB		
POWER HANDLING:	1 Watt		30 W		
LIGHTNING PROTECTION:	DC GROUNDING		DC GROUNDING		
FILTER:	2 2-POL				
LNA GAIN:	(33.0+/-1.0) dB		N/A		
LNA P 1dB Out:	+16 dBm		N/A		
LNA NOISE FIGURE:	2.9 dB (Filter loss is Included)		N/A		
VOLTAGE/CURRENT:	(+2.8 TO +28) Volts DC / (30 TO 50) mA		N/A		

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-5441F

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

CONNECTOR: GPS: TNC FEMALE
(OPTION: SMA, TNC Bulkhead, N, N Bulkhead, BNC, 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 SEALED

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

CONFIGURATION:	FREQ. BANDS:	CABLE'S LENGTH:	GSM/GPS/IRIDIUM CON.:	COLOR:
08: CELLULAR (824-894) MHz (US/Canada)		X: NO CABLE	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
09: GSM (876-960) MHz (Europe/Asia/Africa/M-East)		M: WITH MAG. MOUNT	N: MCX; MM; MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
18: DCS (1710-1880) MHz (Europe/Asia/Africa/M-East)		R: RIGHT ANGLE CON.	N: N; NB: N-Bulkhead	-3: CAMO GREEN #34094 PER FED-STD-595B
19: PCS (1850-1990) MHz (US/Canada)			T: TNC; TB: TNC-Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
04: QUAD BAND (All 4 bands above)			B: BNC Female	-5: DESERT TAN #33446 PER FED-STD-595B
15: L1 GPS (1575+-12) MHz				
12: L1/L2 GPS (1575+-12) / (1227+-12) MHz				

QUANTITY REQD	DESCRIPTION	PART NO	MATERIAL	FINISH	REV
4	WING NUT, 10-32	591-10WNut	-	-	5
1	WING NUT, 1/4-20	591-14WNut	-	-	4
4	MOUNTING SCREW (10-32, 1")	MS24693C276	-	-	3
1	VACUUM PUMP SUCTION CUP	489-Alan	-	-	2
1	ANTENNA MOUNTING PLATE	482-New	-	-	1

ANTCOM CORP. TORRANCE CALIFORNIA

HEAVY DUTY SUCTION CUP MOUNT
GSM/GPS/IRIDIUM
ANTENNA

DATE: 3CVE1 PART NO: 5G091516LRR-AP-GTTT-1-TLSC REV: 1/1

SCALE: 1/1 SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas