



Mobile Mark's Iridium & GPS combination antenna has been certified by Iridium Communications, Inc. for commercial use in connection with the Iridium Communications systems.

The antenna is ideal for long distance truckers, military vehicles, mining operations, or freight trains.

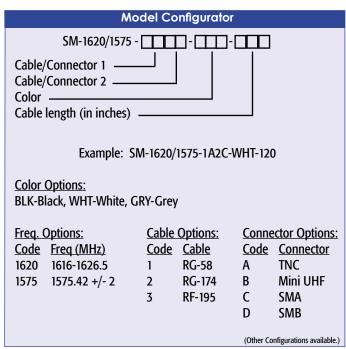
The SM-1620/1575 Series consists of both an Iridium antenna module and a GPS antenna module. The Iridium antenna module provides 3.5 dBi gain over the entire 1616-1626.5 MHz range and is fed with an RG-58 cable. The GPS antnna module provides LNA 26 dB and 5 dBi nominal RHCP at 1575 MHz and is fed with an RG-174 cable.

This low profile combination antenna measures 4.5'' D x .95'' H (114 mm x 24 mm). It will mount to surfaces that are up to 7/32-inches (5.3 mm) thick. a metal groundplane is required for optimal performance.

The antennas are supplied with a sealing gasket and all mounting hardware. The connectors are typically SMA Plug (Male) but other options are available.

Surface Mount, Low Profile Iridium & GPS

- Mobile Mark's Iridium module provides
 3.5 dBi gain over entire band
- Combination Iridum & GPS ideal for long distance truckers & military vehicles
- Antenna tested to Industrial & Military specs for Shock and Vibration
- Mounts easily to roof, trunk or bulkhead



Specifications			
Frequency:		Case:	4.5"D x .95"H (114mm x 24 mm)
Iridium	1616-1626.5 MHz	Case Material:	White or Black: ASA; Grey: ABS
GPS	1575.42 +/- 2 MHz		· · ·
Iridium gain:	3.5 dBi, RHCP	Stud Mounting:	5/8" dia x 18/32" long
GPS gain:	26 dB LNA		(16 mm x14 mm) thread
	5 dBi nominal RHCP Antenna		for 7/32" thick (5.3 mm) metal
VSWR:	<1.5:1 max over range		(0.0 0.000)
Noise Figure:	2.0 dB max, 1.7 dB typical	Hardware:	Locknut and gasket included
Nominal Impedance:	50 ohms	Connector:	SMA plug (male), others
Maximum Power:	10 Watts		available
Amplifier Bias:	2.7 to 5 VDC		
Current:	20 mA max, 10 mA typical	Operating Temp:	-40° to +85° C
		Shock & Vibration:	EN 61373, IEEE 1478, MIL-810G
Cable:		Shock a Holddon	TIA-329.2-C
Cable 1 (Iridium)	RG-58, 10 ft (3 meters)	Water Ingress:	IPx5
Cable 2 (GPS)	RG-174, 10 ft (3 meters)	vvater mgress.	II AJ
Cabic 2 (Cl 5)	, (5 meters)		