



The SMW-406 Series Antennas covers an extremely wide range of applications including most Cellular bands worldwide, WiFi at 2.4 & 5 GHz, WiMAX at 2.5 GHz, AWS at 1.7-2.1 GHz, Public Safety at 4.9 GHz, Military at 4.4 GHz, DSRC at 5.9 GHz and GPS.

The specification table below calls out the exact frequencies covered on each cable. While a broad range of coverage means a variety of applications can be covered, there is also some overlap among the elements such that WiFi at 2.4 GHz could be covered on all three elements.

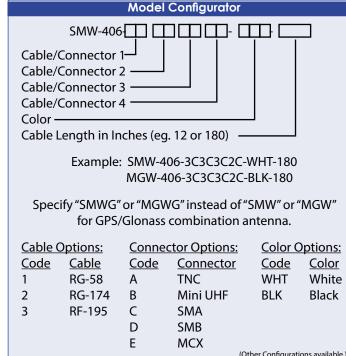
The SMW Series antennas have passed Shock & Vibration standards we well as achieving a Dust and Water Ingress rating of IP67. The SMW surface mount mounts easily to a roof, truck or bulkhead.

The antenna is also available as a mag-mount and can be identified as the MGW Series.

Both the surface mount antennas and the mag mount antennas are available in either black or white radome. The antennas can also be configured for combined GPS & Glonass use.

## SMW-406 multiband, 4-cable Cellular, AWS, WiFi, WiMAX, Public Safety & GPS

- 4 antennas in 1 antenna housing
- Covers GPS, Cellular, AWS, WiFi, WiMAX, Military 4.4 GHz & Public Safety 4.9 GHz
- Available in either Surface-mount (SMW Series or Mag-mount (MGW Series)



			(Other Configurations available.)
Specifications			
Frequency & Gain (peak):		Cable:	
Cable 1	800-1250 MHz, 3 dBi 1650-2700 MHz, 5 dBi	Cables 1 - 3 meters)	Separate RF-195 15 ft (4.5
Cable 2	1.7-2.7 GHz, 5 dBi	Cable 4	RG-174, 15 ft (4.5 meters)
Cable 3 Cable 4 (GPS)	2.1-2.5 & 4.4-6.0 GHz 5 dBi 1575.42 +/- 2 MHz, LNA: 26dB 5 dBi nominal RHCP	Connector: Case Material: MGW Mounting:	SMA Plug (Male) standard White or Black UV resistant ASA Magnet Mount
VSWR: Nominal Impedance: Maximum Power: GPS Amplifier Bias: Noise Figure: Current: GPS & Glonass Option:	2:1 max over range 50 ohms 10 Watts 2.7 to 5 VDC 2.0 dB max, 1.7 dB typical 20 mA max, 10 mA typical 1575 MHz & 1612 MHz	SMW Mounting:  Operating Temp: Shock &Vibration:	Threaded metal stud ¾" dia. x ½" long (19 mm x 13mm) for ¼" (6mm) thick metal; supplied with gasket & nut; other stud lengths available -40° to +80° C IEEE1478, EN 61373, MIL-810G, TIA 329.2-C
Case:	4.2"D x 3.2"H (107 mm x 81 mm) add ½" (13 mm) for mag base	Dust/Water Ingress:	IP67