



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.

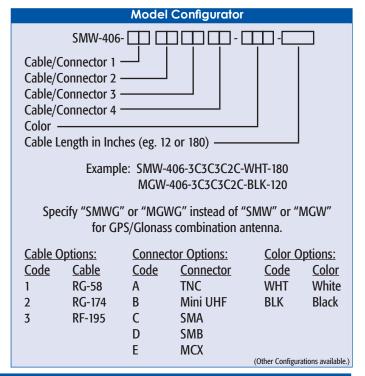
The SMW Series antennas have passed Shock & Vibration standards we well as achieving a Dust and Water Ingress rating of IP67. The SMW surface mount mounts easily to a roof, truck or bulkhead.

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.

## Surface Mount Multiband Cellular, AWS, WiFi, WiMAX, Public Safety & GPS

- Model SMW-406: 4 cable feed multiband
- Covers GPS, Cellular, AWS, WiFi, WiMAX
  & Public Safety 4.9
- 4 antennas in 1 radome; saves time and money by reducing the number of installations



Specifications			
Frequency & Gain:		Cable:	
Cable 1	800-1250 MHz, 3 dBi	Cables 1 - 3	Separate RF-195 15 ft (4.5 meters)
	1650-2700 MHz, 5 dBi	Cable 4	RG-174, 15 ft (4.5 meters)
Cable 2	1.7-2.7 GHz, 5 dBi	Connector:	SMA Plug (Male)
Cable 3	2.1-2.5 & 4.4-6.0 GHz 5 dBi	Case Material:	White or Black UV resistant ASA
Cable 4 (GPS)	1575.42 +/- 2 MHz, LNA: 26dB	MGW Mounting:	Magnet Mount
	5 dBi nominal RHCP	SMW Mounting:	Threaded metal stud
VSWR:	2:1 max over range	3	3/4" dia. x 1/2" long
Nominal Impedance:	50 ohms		(19 mm x 13mm) for
Maximum Power:	20 Watts (max)		1/4" (6mm) thick metal;
GPS			supplied with gasket and nut
Amplifier Bias:	2.7 to 5 VDC		
Noise Figure:	2.0 dB max, 1.7 dB typical	Operating Temp:	Other length studs available -40° to +85° C
Current:	20 mA max, 10 mA typical	Shock & Vibration:	
GPS & Glonass Option:	1575 MHz & 1612 MHz	אוווימנוסח:	IEEE1478, EN 61373,
Case:	4.2"D x 3.2"H (107 mm x 81 mm)	Dest/Mater Inches	MIL-810G, TIA 329.2-C
	add 1/2" (1.3 cm) for mag base	Dust/Water Ingress:	IP67