



The SMW-304 Series Antennas is configured with three different cables. The first element covers 2.4-2.5 GHz, the second element covers 2.4 & 4.9-6.0 GHz and the third covers GPS at 1575 MHz.

This design accommodates two WiFi connections, the first at 2.4 GHZ and the second at dual-band 2.5 & 5 GHz. Alternatively, the second element could accommodate Public Safety 4.9 GHz or DSRC 5.9 GHz.

The SMW-304 antennas provide 5 dBi gain on both of the data cables and a ground plane is not required.

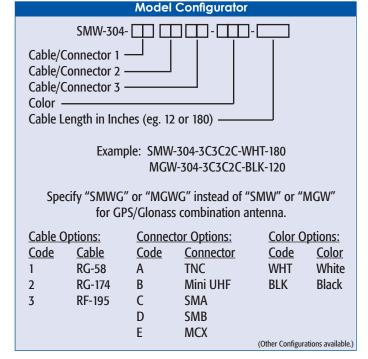
The antenna can be configured for either surface mount or magmount and will handle 10 watts of power.

The surface mount models use a 3/4-inch feed thru (19 mm) for securing to the vehicle. Access to the underside of the body surface is required to complete the installation of the SMW Series.

Both the surface mount and mag-mount antennas are configured with 15 feet (4.5 meters) of cable. The communications channels use RF-195 cable and the GPS channel uses RG-174.

Surface Mount Multiband WiFi, Public Safety 4.9 & GPS

- Model SMW-304: 3 cable feed multiband
- Covers GPS, WiFi, Public Safety 4.9 & DSRC 5.9
- 3 antennas in 1 radome; saves time and money by reducing the number of installations



Specifications			
Frequency & Gain: Cable 1 Cable 2 Cable 3 (GPS)	2400-2485 MHz, 5 dBi (peak) 2.4 & 4.9-6.0 GHz, 5 dBi 1575.42 +/- 2 MHz, LNA 26dB	Case Material: Cable: Cable 1 & 2 Cable 3 (GPS)	White or Black UV resistant ASA Separate RF-195,15 ft (4.5 meters) RG-174, 15 ft (4.5 meters)
Data Modem:	5 dBi nominal RHCP, Antenna	Connectors:	SMA Plug (Male)
VSWR Nominal Inpedance Power GPS: Noise Figure Amplifier Bias	2:1 max over range 50 ohms 10 Watts 2.0 dB max, 1.7 dB typical 2.7 to 5 VDC	Mounting:	Threaded metal stud 3/4" dia. x 1/2" long (19 mm x 13 mm) for 1/4" (6 mm) thick metal; supplied with gasket and nut
Amplifier Current GPS & Glonass Option: Case:	20 mA, 10 mA typical 1575 MHz & 1612 MHz 4.2"D x 3.2"H (107 mm x 81 mm) add ½" (1.3 cm) for mag base	Operating Temp: Shock & Vibration: Dust/Water Ingress:	-40 to +85° C IEEE1478, EN 61373, MIL-810G, TIA 329.2-C IP67