



The SMW-305 Series Antennas features 3-elements in one antenna radome. The unique feature of this model is that the cellular element (Cable 1) is extremely widebanded and can cover: LTE at 700 MHz as well as the established 850/1900 GSM/CDMA bands, 1.7/2.1 AWS bands and WiMAX 2.5 all on a single board.

This antenna is truly ready for any 4G rollout but is also compatible with earlier generation such as GPRS. See the spec table below for exact frequencies covered on each cable.

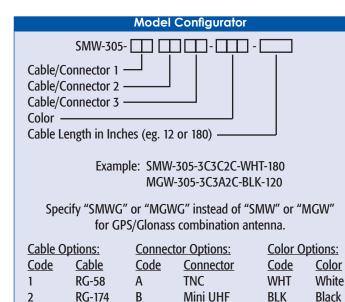
In additional to covering all of the cellular bands on the first antenna element, the antenna also covers 2.4/5 dual-band WiFi on the second antenna element. Alternatively, the second element can be used for other specialized applications such as: Public Safety coverage at 4.9 GHz, Military at 4.4 GHz or DSRC at 5.9 GHz.

The antenna is enclosed in a 4.2"D x 3.2"H (107 mm x 81 mm) weatherproof radome, and supplied with all mounting hardware and a sealing gasket. The radome is available in either black or white.

The antenna is available in either surface mount (SMW Series) or mag mount (MGW Series).

## Surface Mount Multiband Cellular, LTE 700 MHz, WiFi & GPS

- Model SMW-305: 3 cable feed multiband
- Covers GPS, Cellular/LTE/AWS, WiFi Public Safety 4.9 & DSRC 5.9 GHz
- 3 antennas in 1 radome; saves time and money by reducing the number of installations
- Available in either surface mount (SMW Series) or mag mount (MGW Series).



Specifications			
Frequency & Gain: Cable 1  Cable 2 Cable 3 (GPS)  Data Modem: VSWR Nominal Inpedance Power  GPS:	694-894 MHz, 2 dBi 1650-2700 MHz, 5 dBi 2.4 & 4.9-6.0 GHz, 5 dBi 1575.42 +/- 2 MHz, LNA 26dB 5 dBi nominal RHCP, Antenna 2:1 max over range 50 ohms 700 MHz: 30 Watts, 800-6.0: 10 Watts	Case:  Case Material: Cable: Cable 1 & 2 Cable 3 (GPS) Connectors: Mounting:	4.2"D x 3.2"H (107 mm x 81 mm) add ½" (1.3 cm) for mag base White or Black UV resistant ASA  Separate RF-195,15 ft (4.5 meters) RG-174, 15 ft (4.5 meters) SMA Plug (Male) Threaded metal stud 3¼" dia. x ½" long (19 mm x 13 mm) for 1/4" (6 mm) thick metal; supplied with gasket
Noise Figure Amplifier Bias Amplifier Current GPS & Glonass Option:	2.0 dB max, 1.7 dB typical 2.7 to 5 VDC 20 mA, 10 mA typical 1575 MHz & 1612 MHz	Operating Temp: Shock & Vibration: Dust/Water Ingress:	and nut -40 to +85 ° C IEEE1478, EN 61373, MIL-810G TIA 329.2-C IP67

3

RF-195

C

D

Ε

**SMA** 

**SMB** 

MCX

(Other Configurations available.)