



The SMW-414 Series antennas features 4 antenna elements in one radome. The unique feature of this model is that the cellular element (Cable 1) is extremely widebanded and can cover the traditional GSM/CDMA frequencies, 700 MHz LTE, 1.7 & 2.1 GHz AWS/UMTS and LTE/WiMAX at 2.5 or 3.7 GHz, all on a single board.

This antenna is truly ready for any 4G or 5G rollout but is also compatible with earlier generation such as GPRS. See the spec table below for exact frequencies covered on each cable.

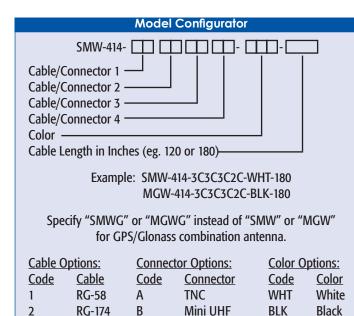
In additional to covering all global cellular bands on Cable 1, the antenna also covers 2.4/5 dual-band WiFi on Cables 2 & 3. This can be used for two separate WiFi modems or for a WiFi MIMO modem.

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 antennas are available in either surface mount or mag-mount models. The antennas can also be configured for combined GPS & Glonass use.

SMW-414 multiband, 4-cable Global Cellular/LTE, WiFi & GPS

- 4 antennas in 1 antenna housing
- Covers GPS, all Cellular/LTE frequencies worldwide & two separate WiFi elements
- Combined GPS/Glonass antenna element available
- Available in either Surface-mount (SMW Series or Mag-mount (MGW Series)



SMA

Rev Pol SMA

(Other Configurations available.)

Specifications			
Frequency & Gain*: Cable 1 Cable 2 Cable 3 Cable 4 (GPS) VSWR*: Nominal Impedance: Maximum Power:	694-960 MHz, 3 dBi 1710-3700 MHz, 4 dBi 2.4-2.5 & 4.9-6.0 GHz, 5 dBi 2.1-2.5 & 4.4-6.0 GHz, 5 dBi 1575.42 +/- 2 MHz, LNA: 26dB 5 dBi nominal RHCP 2:1 max over range 50 ohms 10 Watts (max)	Cable: Cables 1 - 3 Cable 4 Connector: Case Material: MGW Mounting: SMW Mounting:	Separate RF-195 15 ft (4.5 meters) RG-174, 15 ft (4.5 meters) SMA Plug (Male) White or Black UV resistant ASA Magnet Mount Threaded metal stud 3/4" dia. x 1/2" long (19 mm x 13 mm) for 1/4"(6 mm)
GPS Amplifier Bias: GPS Noise Figure: GPS Current: GPS & Glonass Option: Case:	2.7 to 5 VDC 2.0 dB max, 1.7 dB typical 20 mA max, 10 mA typical 1575 MHz & 1612 MHz 4.2"D x 3.2"H (107 mm x 81 mm) add ½" (13 mm) for mag base	Operating Temp: Shock &Vibration: Dust/Water Ingress:	thick metal; supplied with gasket & nut; other length studs available -40° to +80° C IEEE1478, EN 61373, MIL-810G TIA 329.2-C IP67 *Measured on 1' ground with 1' cable

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RF-195

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