



The SMW-413 Series Antennas features 4 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 GHz AWS and 2.5 GHz WiMAX 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.

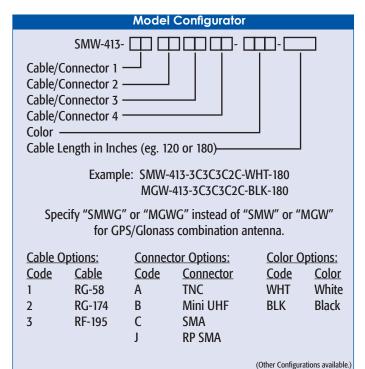
In additional to covering cellular bands on Cable 1, the antenna also covers 2.4 GHz WiFi on Cables 2 & 3. Other specialized applications are possible on cables 2 & 3 such as diversity WiFi at 2.4 GHz, AWS 1.7 & 2.1 GHz, UMTS 2.1 GHz or WiMAX 2.5 GHz.

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 antennas can also be configured for combined GPS & Glonass use.

SMW-413 multiband, 4-cable LTE 700 MHz, AWS, WiFi & GPS

- 4 antennas in 1 antenna housing
- Covers GPS, 700 MHz LTE, AWS & WiFi
- Two identical 1.7-2.7 GHz elements complement the Cellular/LTE element
- Available in either Surface-mount (SMW Series or Mag-mount (MGW Series)



Specifications			
Frequency & Gain*: Cable 1 Cable 2	694-894 MHz, 3 dBi & 1.7-2.7 GHz, 5 dBi 1.7-2.7 GHz, 5 dBi	Cable: Cables 1 - 3 Cable 4 Connector:	Separate RF-195 15 ft (4.5 meters) RG-174, 15 ft (4.5 meters) SMA Plug (Male) standard
Cable 3 Cable 4 (GPS) VSWR*:	1.7-2.7 GHz, 5 dBi 1575.42 +/- 2 MHz, LNA: 26dB 5 dBi nominal RHCP 2:1 max over range	Case Material: MGW Mounting: SMW Mounting:	White or Black UV resistant ASA Magnet Mount Threaded metal stud 3/4" dia. x
Nominal Impedance: Maximum Power: GPS	50 ohms 10 Watts		1/2" long (19 mm x 13mm) for 1/4" (6 mm) thick metal; supplied with gasket & nut; other stud lengths
Amplifier Bias: Noise Figure: Current: GPS & Glonass Option:	2.7 to 5 VDC 2.0 dB max, 1.7 dB typical 20 mA max, 10 mA typical 1575 MHz & 1612 MHz	Operating Temp: Shock &Vibration:	available -40° to +80° C IEEE1478, EN61373, MIL-810G TIA 329.2-C
Case:	$4.2^{\prime\prime}$ D x $3.2^{\prime\prime}$ H (107 mm x 81 mm) add 1 /2 $^{\prime\prime}$ (13 mm) to height for mag	Dust/Water Ingress:	IP67 *Measured on 1' ground with 1' cable