



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

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 addition 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.

Model Configurator

SMW-413- - -

Cable/Connector 1

Cable/Connector 2

Cable/Connector 3

Cable/Connector 4

Color

Cable Length in Inches (eg. 120 or 180)

Example: SMW-413-3C3C3C2C-WHT-180
 MGW-413-3C3C3C2C-BLK-180

Specify "SMWG" or "MGWG" instead of "SMW" or "MGW" for GPS/Glonass combination antenna.

<u>Cable Options:</u>	<u>Connector Options:</u>	<u>Color Options:</u>
<u>Code</u> <u>Cable</u>	<u>Code</u> <u>Connector</u>	<u>Code</u> <u>Color</u>
1 RG-58	A TNC	WHT White
2 RG-174	B Mini UHF	BLK Black
3 RF-195	C SMA	
	J RP SMA	

(Other Configurations available.)

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