

## CVWG-WB2

### COMPACT COVERT 5G/LTE ANTENNA

#### PRODUCT OVERVIEW

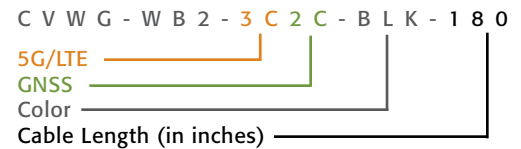
The CVWG-WB2 Series is a 2-cable Covert and Compact Antenna covering 5G/LTE from 617 - 960 MHz & 1700 - 7200 MHz and GNSS. The 5G ready antenna solutions make it possible to connect to any of the current or planned cellular frequency bands that reside within that range. Although this antenna was designed for Cellular, it could also be used for WiFi 6e covering the 2.4, 5 and 6 GHz band. The GNSS element operates on GPS, Galileo, Glonass, QZSS or Beidou.

It is an excellent choice for 5G ready mobile hotspots or Industrial IoT networks requiring a discreet, low profile antenna solution. This antenna can be used indoors or outdoors and can be mounted with double sided tape.

This 5G ready solution can be used in many environments including vehicles, NEMA boxes, and outside sensing location.

This covert antenna can be mounted to the outside of a metallic container. It can also be mounted to either the inside or the outside of a non-metallic container such as a plastic or fiberglass NEMA box.

Visit our [eStore](#) to customize an Antenna Online.



Electrical Specifications		
Frequency & Gain	5G/LTE Cable 1	617-960 MHz & 1700-7200 MHz, 2.5 dBi Gain
	GNSS Cable 2	1561, 1575, & 1602 MHz, LNA 26 dB, 5 dBi (RHCP)
VSWR	2:1 Typical, Max 3:1	
Impedance	50 Ohm Nominal	
Power Rating	10 Watts	
GNSS	Amplifier Gain	26 dB +/- 3 dB
	Amplifier Bias Voltage	2.7 to 5 VDC
	Noise Figure	2.0 dB max, 1.5 dB typical
	Current	20 mA max, 10 mA typical

Mechanical Specifications	
Radome Material & Color	ASA Plastic, Available in Black
Radome Dimension	5.50" (140 mm) Length x 1.59" (40 mm) Width x 0.71" (18 mm) Thick
Standard Connectors	2x SMA Plugs (Male) Other Options Available Including Rev Pol SMA Plug
15 Feet (4.5 m) Cables	LL-195 Cable for 5G/LTE & RG-174 Cable for GNSS Other Cable Lengths Available Upon Request
Operating Temperature	-40° to +80° C
Mounting	Double Sided 3M VHB Tape
Water Ingress	IPX7 (When Properly Mounted)
Shock and Vibration	IEEE-1478, EN61373, and MIL-810G
RoHS Compliant	Yes

#### HIGHLIGHTS:

- 2-Cable: 1x 5G/LTE & 1x GNSS
- 5G/LTE Coverage: 617 - 960 & 1700 - 7200 MHz
- Backwards Compatible for 4G LTE
- WiFi 6E Compatible
- Made-in-the-USA & UK

#### RELATED MODELS:

- CVW-WB2 (Configured with GPS)
- CVWG509 (2x 5G/LTE, 2x WiFi 6E, 1x GNSS)
- PSKN5-626 (5G/LTE, Device Antenna)
- CVWG-LTE (LTE & GNSS)

#### COMMON APPLICATIONS:

- Vehicle or Fixed Site
- Mount Under Dashboard of Covert Vehicles
- Settings with Low Profile Requirements
- Industrial IoT
- Locations with Harsh Environments
- Utilities



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