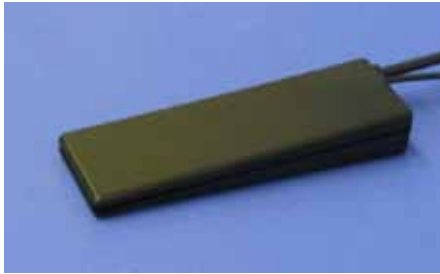


Covert Wideband 800-2200 MHz & GPS



Covert Antenna, Wideband

- Multiband antenna for GPS and Cellular Voice/Data up to 2.2 GHz
- Sleek, slim-line profile; 5.5" long
- Rugged case; passes industry and military shock and vibration testing
- Designed to work with most commercially available Cellular/Trunking/ISM modems

Mobile Mark's new CVW Series Wideband Covert Antenna for GPS Tracking are designed to cover more wireless applications. This two-cable antenna combines two applications at a time: GPS on one cable and any one of several wireless data applications on the other cable.

The CVW Series stands out from the other Mobile Mark Covert Antenna Series in that it is extremely broadbanded and covers worldwide cellular bands from 800-960 MHz and 1700-2200 MHz, including UMTS and AWS. It has excellent performance characteristics and performs well across the entire band.

For GPS, the performance is 26 dB amplifier gain with 5 dBi RHCP nominal antenna gain. The antennas have

low noise figure with excellent filter characteristics. This slim-line antenna can fit in to just about any setting. The complete antenna measures only 5.5" x 1.6" x 0.7" (14 cm x 4 cm x 2 cm).

The antennas are typically built with RG-174 cable for GPS and a separate RG-58 cable for Data. Each cable terminates with its own connector and is attached to a separate GPS or Data device. As an option, the CVW Series antennas can be built with dual bonded RG-174 cable.

Standard connector configurations are SMA/SMA. Other configurations are available as a special order.

Antenna Model Configurator

CVW- -

example - CVW-UMB-1C2C

Freq & GPS Voltage

Code	Description
UMB	Operates on Worldwide Cellular protocols: GSM, CDMA, GRPS, 1xRTT, EDGE, EV-DO, 3G, 4G, UMTS, AWS as well as Trunking & ISM.

Cellular Cable & Connector

Code	Description
1A	RG-58 & TNC
1C	RG-58 & SMA
1B	RG-58 & MiniUHF
2A	RG-174 & TNC
2C	RG-174 & SMA

GPS Cable & Connector

Code	Description
2C	RG-174 & SMA
2D	RG-174 & SMB
2E	RG-174 & MCX
2H	RG-174 & Fakra
2L	RG-174 & SMC

Specifications

Frequency:	800-960 MHz & 1700-2200 MHz & 1575 MHz	Standard cables:	RG-174 on GPS, RG-58 on Data (10 ft/3 m)
Data side:		Optional cables:	Dual RG-174 (10 ft/3 m)
Gain	2.5 dBi (peak)	Connectors:	SMA/SMA standard
VSWR	2:1 max over range	Case:	5.5"L x 1.6"W x 0.7"D (14 cm x 4 cm x 2cm)
Nominal Impedance	50 Ohms	Case Material:	UV resistant ASA, Color: black
Power	10 Watts	Mounting:	Tape mounting
GPS side:		Operating Temp:	-40 to +85 ° C
Amplifier gain	26dB LNA	Shock and Vibration:	IEEE1478, EN61373, MIL-810G, TIA 329.2-C
Antenna gain	5 dBi nominal RHCP, Antenna	Water Ingress:	IPx5
Noise Figure	2.0 dB max, 1.7 dB typical		
Amplifier Bias	2.7 to 5 VDC		
Amplifier Current	20 mA max, 10 mA typical		