

Covert Broadband Antenna Global LTE with GPS



CVW-LTE

- Compact, covert profile; 1.6" W x 5.5" L
- Global LTE antenna; available with or without GPS antenna
- Broadband coverage: 694-960 & 1700-2700 MHz
- Mount outside or inside enclosure

Mobile Mark's new CVW-LTE Series Covert Antenna covers even more frequencies than the earlier antennas in the CVW Series. This broadband antenna performs on all Cellular & LTE networks from the 694 MHz to 2.7 GHz, including 3G/4G, AWS, UMTS and LTE. The antenna offers 2.5 dBi gain across the bandwidth.

It can be configured with one cable for Cellular & LTE coverage, or with a second cable for GPS coverage. It can be used for Cellular M2M (machine-to-machine) applications or for GPS Tracking and Fleet Management.

The CVW-LTE is very compact, measuring only 5 1/2" wide by just over 1 1/2" wide (140mm x 40mm). The antenna is encased in a solid radome made from black ABS plastic.

The antenna's slim profile allows it to fit into a wide variety of mounting locations. It can be mounted either outside or inside a standalone device, NEMA box or vehicle.

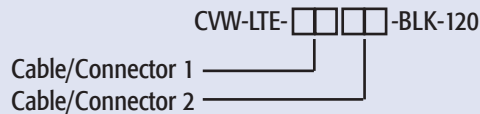
If mounted inside, the enclosure must not be built of metal but must be built out of a material such as plastic or fiberglass that will not block the transmission. The antenna is mounted with industrial grade double sided tape.

The antenna is typically configured with 10 feet of RG-174 cable for both the Cellular/LTE antenna and the GPS, with SMA plug connectors

on both cables. Other cable lengths or connector options are available.

This resilient antenna has been tested for Shock and Vibration and has passed the following Military & Industrial standards: IEEE-1478, EN61373 and MIL-810G. It has also been tested for water ingress and rated IPx7.

Model Configurator



Example: CVW-LTE-1C2C-BLK-120
CVW-LTE-2C2E-BLK-120

Cable Options:

Code	Cable
1	RG-58
2	RG-174

Connector Options:

Code	Connector
A	TNC
B	Mini UHF
C	SMA
D	SMB
E	MCX

(Other Configurations available.)

Specifications

Frequency:		Max power:	10 watt
Cable 1	695-960/1700-2700 MHz, 2.5 dBi	Dimension:	5 1/2" L x 1 1/2" W (140mm x 40mm)
Cable 2	1575.42 +/- 2 MHz	Mounting:	Direct Double sided tape
VSWR:	2:1	Operating Temp:	-40° to +80° C
Radome Material:	Black ASA plastic	Color:	Black
GPS:		Cables:	10 ft. long RG-174
LNA Gain	26dB	Connectors:	SMA Plug (Male)
Noise Figure	2.0 dB max, 1.7 dB typical	Shock and Vibration:	IEEE1478, EN61373, MIL-810G, TIA 329.1-C
Amplifier Bias	2.7 to 5 VDC	Water Ingress:	IPx7
Amplifier Current	20 mA, 10 mA typical		
Nominal Impedance:	50 Ohms (nominal)		