



# Mission Critical Antenna Solutions

Freight/Passenger Rail | Transit/Bus | Military  
Tactical/Interoperable | Covert | Public Safety





STI-CO Industries, Inc.  
Orchard Park, New York 14127  
866.307.8426  
[www.sti-co.com](http://www.sti-co.com) | [sales@sti-co.com](mailto:sales@sti-co.com)

Communication is a core requirement to connect both people and systems. Our customers rely on high performance wireless technologies. STI-CO® is a leader in the market providing:

- Antenna design optimization for multiple RF co-location challenges
- Extensive field experience trouble shooting and verification
- Systems that adapt to the latest technologies

STI-CO® celebrates over 50 years of custom engineering antenna systems to meet your mission-critical demands.

Designed for performance and reliability, our systems will meet your needs for voice, data, and video transmissions. We stand behind our antennas with a five-year warranty.

We proudly serve law enforcement, military, homeland security, heavy freight, passenger rail and transportation agencies. Our technical service team is available to answer your questions.

We hope to serve you soon.



**Kyle Swiat**  
President/CEO

Certified ISO 9001:2015  
Certified DBE and WBE

STI-CO® is a registered trademark of STI-CO Industries, Inc.  
This catalog is solely owned by STI-CO Industries, Inc.  
All rights are reserved. © 2021 STI-CO Industries, Inc.



**SBA WOSB**  
Woman Owned Small Business



# 6



## Freight/ Passenger Rail

Rugged custom Positive Train Control (PTC), voice, EOT, and video designed antenna solutions for locomotives. STI-CO®'s antenna solution is created to optimize communication efficiencies in locomotive RF environments.

- 7 **PTC Dual Track Antenna System**
- 8 **Rugged Aluminum Antennas**
- 9 **LTE Base Station Antenna**
- 10 **WavStreamer® MIMO Antenna**
- 11 **High Performance Filters**
- 12 **High Performance Filters**

# 13

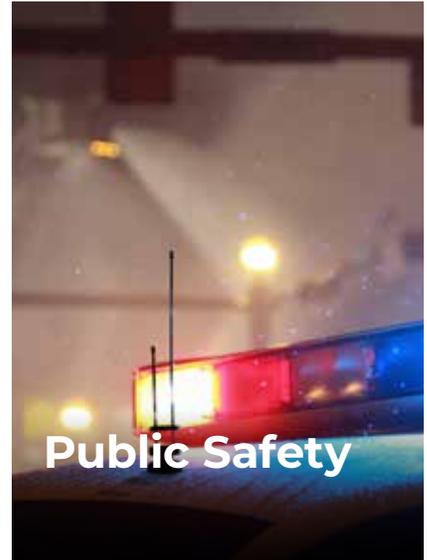


## Transit/Bus

High-performance and weather resistant antenna solution made for commuter bus and rapid transit systems. Custom engineered to last in harsh environment conditions.

- 14 **Dual Band Roof Mount Antennas**
- 15 **Radome Antennas**
- 16 **WavStreamer® MIMO Antenna**

# 17



## Public Safety

Stay connected with STI-CO®'s series of high performance and rugged antenna systems. Designed for law enforcement, defense, emergency management, construction, utility and service vehicles.

- 18 **Flexi-Whip™ Antennas**
- 19 **Flexi-Whip™/GPS Antenna**
- 20 **Dual Band, Dual Port Antenna**
- 21 **Tri Band Roof Mount Antenna**
- 22 **WavStreamer® MIMO Antenna**

## 23

**Covert**

Secure. Innovative. Hidden. Secure communications are critical to keeping teams safe. STI-CO® offers a complete line of custom covert OEM AM/FM exact replacement, concealed, and disguised solutions for defense, law enforcement and government agencies.

- 24 **Covert Euro Style Roof Mount Antenna**
- 25 **Covert Tri-Band OEM Style Antenna**
- 26 **Stealth Antenna - Perm**
- 27 **Magnet Mount Stealth Antenna**
- 28 **Plug 'n Play Antenna**
- 29 **Superband® Fender Mount Antenna**
- 30 **Multi-band Fender Mount**
- 31 **Bumper Step Up Antenna**
- 32 **Cellular Style Antenna**
- 32 **Glass Mount Antenna**
- 33 **The STI-CO® Stinger**
- 34 **Covert Bumper Antenna**
- 35 **Rear Deck Antenna**
- 36 **LTE Antennas for Covert Ops**

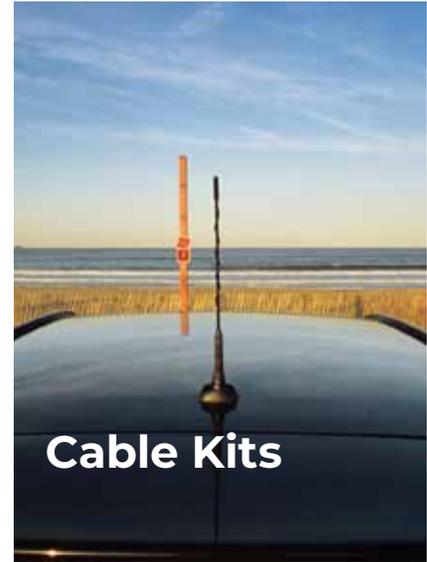
## 38

**Tactical/  
Military**

STI-CO® specializes in custom design wide-band covert antennas, tactical and ground plane solutions for seamless communications to keep you connected and safe.

- 39 **Interoperable Tactical Antenna**
- 40 **Interoperable Mobile Antennas**
- 40 **Interoperable Mobile Antennas**
- 41 **Multi-band Coupler**
- 42 **Compact Portable Antenna**
- 43 **Field Portable Antenna Kit**
- 44 **Tactical Vest Antenna Bracket**
- 45 **Deployable Ground Plane System**
- 46 **Line Of Sight Military Antenna**
- 47 **MANET Antenna System**
- 48 **Covert Wideband Tactical Vehicle Antenna**

## 49

**Cable Kits**

STI-CO® offers custom cable kit solutions built to your specifications. Choose from a wide selection of cable and connector types. Offering competitive pricing and all orders are built in house with quick turnaround times.

- 51 **STI-CO® Cable Kits**



# Freight/ Passenger Rail

## Rugged custom Positive Train Control (PTC) and on-board designed antenna solutions for locomotives

Our freight and commuter rail antennas and filters are designed for your most challenging roof tops with a single penetration for bundling cable. STI-CO® antennas and filters have a proven history working in the locomotive RF environment optimizing communication efficiency. Our multiband solutions are available in PTC 220 MHz, VHF, UHF, 7-800, 4G/5G, GPS and WiFi. STI-CO® can provide the color-coded antenna feed cables for ease of installation and maintenance.

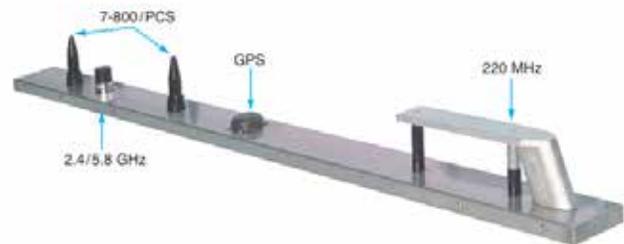
Our experienced engineers offer their expertise by analyzing the RF environment to optimize communication efficiency. We design rugged, long lasting antenna solutions tested to the AREMA and other standards.

# PTC Dual Track Antenna System

Customized Antenna Array for Railroads

- Fully integrated, customized multi-antenna diversity system for PTC
- Antenna combinations from VHF to 5.8 GHz and GPS
- Customized for multiple antennas per track
- System includes single or dual antenna bars for full diversity
- Reduces installation time and expense with only one hole in locomotive per track
- Antennas can be individually replaced for future upgrades with very little down time
- Manufactured using highest quality corrosion resistant materials
- Radome to protect antennas from snow pack and strike damage
- Customized color-coded cable harnesses
- Full line of filters in 160, 220, 450 and 7-800 MHz ranges to reduce intermodulation issues

Contact STI-CO For More Information



# Rugged Aluminum Antennas

Heavy Duty Aluminum Design for Trains, Construction Equipment and Tractor Trailers

- Constructed of virtually indestructible heavy-duty aluminum
- Ideal for trains, construction equipment and tractor-trailers
- Now available in 220 MHz band with optional mounting plate
- New design reduces EMF noise and increases bandwidth
- Factory tuned to exact operating frequency

MODEL NUMBER	HDLP-NB-HF	HDLP-NB-VHF	HDLP-NB-220	HDLP-NB-UHF
FREQUENCY RANGE (MHz)	30-50	150-174	214-228	440-512Mhz
BANDWIDTH (MHz)	0.5	2.5	14	20
VSWR	1.5:1			
POWER RATING	300			
MAX. DIMENSIONS (IN)	6H x 3W x 49	4.2H x 2W x 20.75	3.875H x 2.0W x 14.3	2.5H x 2W x 8
MOUNTING HOLES REQUIRED	7	7	7	3
CONNECTOR	N	PL259	N	PL259



# LTE Base Station Antenna

The Next Generation for Mobile Broadband Networks

- Designed for the new 4G LTE network
- Ensures support of legacy cellular systems
- Broadband 7-800 MHz and PCS single port operation
- Durable UV protected fiberglass radome
- Superior bandwidth and pattern performance

MODEL NUMBER	OMNI-DB-7-800/PCS
FREQUENCY RANGE (MHz)	760-870 / 1850-1950
BANDWIDTH (MHz)	110 / 100
SWR	<2:1
POWER RATING	50
GAIN	2.1
PATTERN	Omni-directional
POLARIZATION	Vertical
MAX. HEIGHT (IN)	19.0
RADOME MATERIAL	Fiberglass
MAST MATERIAL	Brass
CONNECTOR	N female
TEMPERATURE RANGE (°F)	-50 to +150



# WavStreamer® MIMO Antenna

Cutting-Edge Multiband Antenna Optimized for Superior Diversity Performance

- Robust multi-band roof mount 5-in-1 antenna: GPS, WiFi (2), and 4G LTE elements (2)
- Environmentally tested and certified (SAEJ1455, AREMA, MIL-STD-810)
- Customizable connectors and cables
- Designed and manufactured in the USA
- Five-year STI-CO warranty



SPECIFICATIONS	STI-CO P/N: MRLP-XX-LLG22	COMMENTS
FREQUENCY RANGE (MHz)	698-960 MHz 1700-2700 MHz	
FREQUENCY RANGE (MHz)	2400-2500 MHz 4900-5900 MHz	
GPS	GPS/Galileo/GLONASS	Active gain 28dB, 1.5-3.6V supply voltage required
VSWR (MAX)	LTE ≤ 2.25:1 (698-960 Mhz) LTE ≤ 2.0:1 (1700-2300 Mhz) Wi-Fi ≤ 1.75:1 (2400-2500 Mhz) Wi-Fi ≤ 2.0:1 (4900-5900 Mhz)	Measured with 1 ft
ISOLATION LTE 1 TO LTE 2	≥ 7dB @ 700 Mhz ≥ 5dB @ 755 Mhz ≥ 6dB @ 800 Mhz ≥ 11dB @ 900 Mhz ≥ 20dB (1700-2300)	Measured with 1 ft cable
ISOLATION LTE 1 TO WI-FI	≥ 20dB (698-960 Mhz) ≥ 10dB (1700-2300 Mhz) ≥ 20dB (2400-2500 Mhz) ≥ 20dB (4900-5900 Mhz)	Measured with 1 ft cable
ISOLATION WI-FI 1 TO WI-FI 2	≥ 25dB (2400-2500 Mhz) ≥ 25dB (4900-5900 Mhz)	Measured with 1 ft cable
IMPEDANCE (OHMS)	50	
CONNECTOR	SMA-female, others available	
CABLE TYPE	LMR-195-FR (LTE 1&2) RG-174 (GPS) customized cable length	LMR-195-FR Is a non-halogen (non-toxic), low smoke, fire
MOUNTING TYPE (ROOF MOUNT)	1" dia. feed through 1.3" long threaded boss for up to 1/2" thick surface	
RADOME MATERIAL	Makrolon Polycarbonate	
DIMENSIONS	Length (in): 9.2" Height (in): 3.6" Width (in): 6"	
THERMAL	SAEJ1455, 3/2017	
OPERATING TEMPERATURE RANGE	Operating: -40 °C To +75 °C Storage: -55 °C To +85 °C	
VIBRATION	SAEJ1455, 3/2017 AREMA, Part 11.5.1, 2008	
MECHANICAL	AREMA, Part 11.5.1	
SALT SPRAY	SAEJ1455, 3/2017 AREMA, Part 11.5.1, 2008	
WATER INGRESS/PRESSURE WASH	SAEJ1455, 3/2017	
HUMIDITY DUST/SAND/GRAVEL	MIL-STD-810F SAEJ1455, 3/2017 AREMA, Part 11.5.1, 2008	

# High Performance Filters

Provides Optimum Filtering

- Provides optimum filtering for on-board locomotive frequency bands with sharp cutoff and notched response
- Reduces intermodulation issues by blocking unwanted signals
- Specifically designed for railroad PTC systems
- High power capacity and rugged design

MODEL NUMBER	FILT-NB-160-MIL	FILT-NB-220-MIL
FREQUENCY RANGE (MHz)	160-163	216-222
BANDWIDTH (MHz)	3	6
VSWR	<1.5:1	
POWER RATING	150	150
FREQUENCY	45 220 450	45 163 450
INSERTION LOSS (dB)	<1.0	
ISOLATION (dB)	>60	>60 >70 >50
ISOLATION (dB TYPICAL)	>70	>75 >80 >55
FINISH	Clear Alodine	
MOUNTING	Standard bracket	
TEMPERATURE RANGE (°C)	-40 to +85	
CONNECTORS (CHOOSE 2)	UHF or N-type	N-type



# High Performance Filters

Compact Filters Provide Optimum Filtering

- Compact filters provide optimum filtering and superior channel isolation
- Reduces intermodulation issues by blocking unwanted signals
- Connectors customized to fit your needs

MODEL NUMBER	FILT-NB-UHF-COM	FILT-HP-7-800-COM
FREQUENCY RANGE (MHz)	450-460	690-2500
REJECT BAND	<222, 905-930	<460
BANDWIDTH (MHz)	10	1810
VSWR	<1.5:1	
POWER RATING	100	50
SYSTEM IMPEDANCE	50	
INSERTION LOSS (dB)	<0.5	<1.0
ISOLATION (dB)	>75	>70
INCHES	5.2 x 2 x 1.2H	
MOUNTING HARDWARE	Provided	
CONNECTORS (CHOOSE 2)	N-male (or-F/M, -M/F or -F versions available)	





# Transit/Bus

## High-performance weather resistant antenna solutions for commuter bus and rapid transit systems

STI-CO® has built on a long history of designing high-performance antenna systems for rail and mission critical mobile applications. We custom engineer to your specific requirements that are configured for multiple frequencies in VHF, UHF, 7-800, 4G/5G, GPS and WiFi. STI-CO® designs durable, long lasting antenna solutions.

We exceed the industry standard by offering our 5 year warranty. Our experienced engineers offer their expertise by analyzing the RF environment to optimize communication efficiency. We design rugged, long lasting antenna solutions tested to the AREMA and other standards.

## Dual Band Roof Mount Antennas

For 7-800/PCS, 2.4/5.8 GHz and GPS

- Superior pattern coverage for rugged mobile or fixed applications
- Wideband performance and reliability
- Minimum loss – no tuning required
- Excellent for law enforcement and rail/transit applications
- The antennas of choice for the STI-CO® PTC Dual Track Antenna System!



MODEL NUMBER	RFMT-DB-7-800/PCS	RFMT-DB-24/58	RFMT-NB-GPS
FREQUENCY RANGE (MHz)	698-960 / 1710- 2500	2400-2500 / 4900- 5900	1565.42-1585.42
BANDWIDTH (MHz)	262 / 790	100 / 1000	20
SWR	2.0:1		
POWER RATING	100	100	2.7-5.5V
IMPEDANCE	50		
GAIN (DBI)	3.0 / 4.0	3.0 / 4.0	3 @ 90°
PATTERN	Omni-directional		
HEIGHT (IN)	3.75	1.8	0.83
DIAMETER (IN)	1.5	1.5	2.36
CONNECTORS	NMO	NMO	BNC
MAST MATERIAL	Brass	Brass	Ceramic patch

# Radome Antennas

Designed for Public Safety and Law Enforcement Applications

- A tough ABS plastic radome protects antenna from destructive elements
- Popular choice for buses, rapid transit, and law enforcement vehicles
- Available in both single and multiple bands under one radome
- Multi-band provides a choice of GPS with voice or data communications

MODEL NUMBER	SRLP-NB-UHF	SRLP-SB-CEL	SRLP-DB-CEL/GPS or SRLP-DB-GPS/2.4
FREQUENCY RANGE (MHz)	406-512	806-896	806-896 w/ 1575.42 or 2400
BANDWIDTH (MHz)	20*	90	90 / 2 100
RADOME MATERIAL	White ABS plastic		
MAX. HEIGHT (IN)	2.75		
MAX. WIDTH (IN)	3.75		
MAX. LENGTH (IN)	11.75		
MOUNTING HOLES REQUIRED	5	5	6
CONNECTORS	BNC	BNC	BNC SMA BNC
GPS CENTER FREQ. (MHZ)	1575		
DC SUPPLY VOLTAGE	12		
GAIN (DB)	26		



## WavStreamer® MIMO Antenna

Cutting-Edge Multiband Antenna Optimized for Superior Diversity Performance

- Robust multi-band roof mount 5-in-1 antenna: GPS, WiFi (2), and 4G/5G LTE elements (2)
- Environmentally tested and certified (SAEJ1455, AREMA, MIL-STD-810)
- Customizable connectors and cables
- Designed and manufactured in the USA
- Five-year STI-CO warranty



SPECIFICATIONS	STI-CO P/N: MRLP-XX-LLG22	COMMENTS
FREQUENCY RANGE (MHz)	698-960 MHz 1700-2700 MHz	
FREQUENCY RANGE (MHz)	2400-2500 MHz 4900-5900 MHz	
GPS	GPS/Galileo/GLONASS	Active gain 28dB, 1.5-3.6V supply voltage required
VSWR (MAX)	LTE ≤ 2.25:1 (698-960 Mhz) LTE ≤ 2.0:1 (1700-2300 Mhz) Wi-Fi ≤ 1.75:1 (2400-2500 Mhz) Wi-Fi ≤ 2.0:1 (4900-5900 Mhz)	Measured with 1 ft
ISOLATION LTE 1 TO LTE 2	≥ 7dB @ 700 Mhz ≥ 5dB @ 755 Mhz ≥ 6dB @ 800 Mhz ≥ 11dB @ 900 Mhz ≥ 20dB (1700-2300)	Measured with 1 ft cable
ISOLATION LTE 1 TO WI-FI	≥ 20dB (698-960 Mhz) ≥ 10dB (1700-2300 Mhz) ≥ 20dB (2400-2500 Mhz) ≥ 20dB (4900-5900 Mhz)	Measured with 1 ft cable
ISOLATION WI-FI 1 TO WI-FI 2	≥ 25dB (2400-2500 Mhz) ≥ 25dB (4900-5900 Mhz)	Measured with 1 ft cable
IMPEDANCE (OHMS)	50	
CONNECTOR	SMA-female, others available	
CABLE TYPE	LMR-195-FR (LTE 1&2) RG-174 (GPS) customized cable length	LMR-195-FR Is a non-halogen (non-toxic), low smoke, fire
MOUNTING TYPE (ROOF MOUNT)	1" dia. feed through 1.3" long threaded boss for up to 1/2" thick surface	
RADOME MATERIAL	Makrolon Polycarbonate	
DIMENSIONS	Length (in): 9.2" Height (in): 3.6" Width (in): 6"	
THERMAL	SAEJ1455, 3/2017	
OPERATING TEMPERATURE RANGE	Operating: -40 °C To +75 °C Storage: -55 °C To +85 °C	
VIBRATION	SAEJ1455, 3/2017 AREMA, Part 11.5.1, 2008	
MECHANICAL	AREMA, Part 11.5.1	
SALT SPRAY	SAEJ1455, 3/2017 AREMA, Part 11.5.1, 2008	
WATER INGRESS/PRESSURE WASH	SAEJ1455, 3/2017	
HUMIDITY DUST/SAND/GRAVEL	MIL-STD-810F SAEJ1455, 3/2017 AREMA, Part 11.5.1, 2008	



# Public Safety

**High quality, rugged antenna systems that can hold up under the daily punishment from low clearances such as parking garages, tree limbs, car washes and more!**

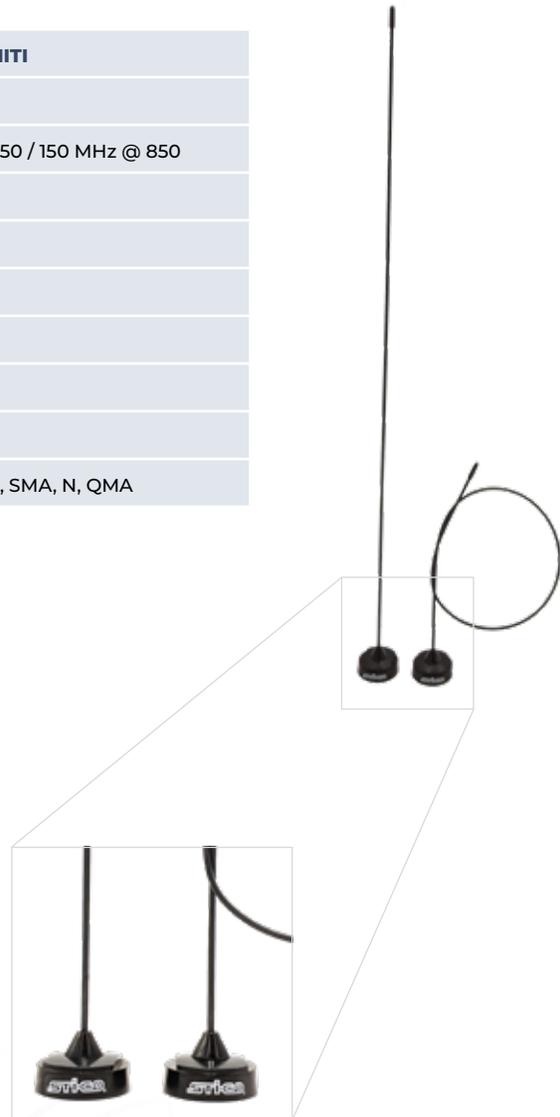
STI-CO® provides a series of innovative solutions designed for law enforcement, emergency management, construction, utility and service vehicles in mind. Our Flexi-Whip™ with our unbeatable whip material helps to reduce down time costs. Don't lose two-way mobile communications in the field due to broken antennas! Look to STI-CO® for your antenna needs, rugged, long lasting antenna solutions.

# Flexi-Whip™ Antenna

## Public Safety

- Doesn't break on impact. Bends and bounces back
- Significantly reduces life cycle cost on fleet vehicles
- Tunable from 136 MHz to 1 GHz
- Available in NMO roof, magnet, trunk lip and window clip mounts
- Standard system includes antenna, mount and cable kit
- Antenna only available for use with existing base

MODEL NUMBER	ROOF-FT-NITI, MGNT-FT-NITI
FREQUENCY RANGE (MHz)	136 MHz-1 GHz
BANDWIDTH (MHz)	18 MHz @ 136 / 90 MHz @ 450 / 150 MHz @ 850
SWR	<2:1
POWER RATING	150
GAIN	Unity
PATTERN	Omni-directional
MAST MATERIAL	Rubber coated nitinol
MAX. HEIGHT (IN)	23" @ 136 MHz
CONNECTORS (CHOOSE ONE)	PL259, Mini UHF, BNC, TNC, SMA, N, QMA



# Flexi-Whip™/GPS Antenna

Public Safety

- Install one less antenna on your vehicle
- Field tunable for VHF, UHF, 700 or 800 MHz
- Ultra-durable GPS housing and die-cast base
- Solid brass NMO components for optimal conductivity

MODEL NUMBER	ROOF-DB-NITI/GPS
FREQUENCY RANGE (MHz)	136-1000 & 1570-1850
BANDWIDTH (MHz)	18 @ 136, 90 @ 450, @ 805 10 @ 1507
SWR	<2:1 / >1.5:1
POWER RATING	50
GAIN	Unity / 27
NOISE FIGURE	2.0 max.
OPERATIONAL VOLTAGE (VDC)	3.0-5.5
PATTERN	Omni-directional
MAX. HEIGHT (IN)	23" @ 136
FINISH	Black
MOUNTING STYLE (IN)	Roof mount
FEED LINE	25' RG58
CONNECTORS	PL259, Mini-UHF, BNC, TNC, SMA, N, SMB, SSMB, MCX, MMCX

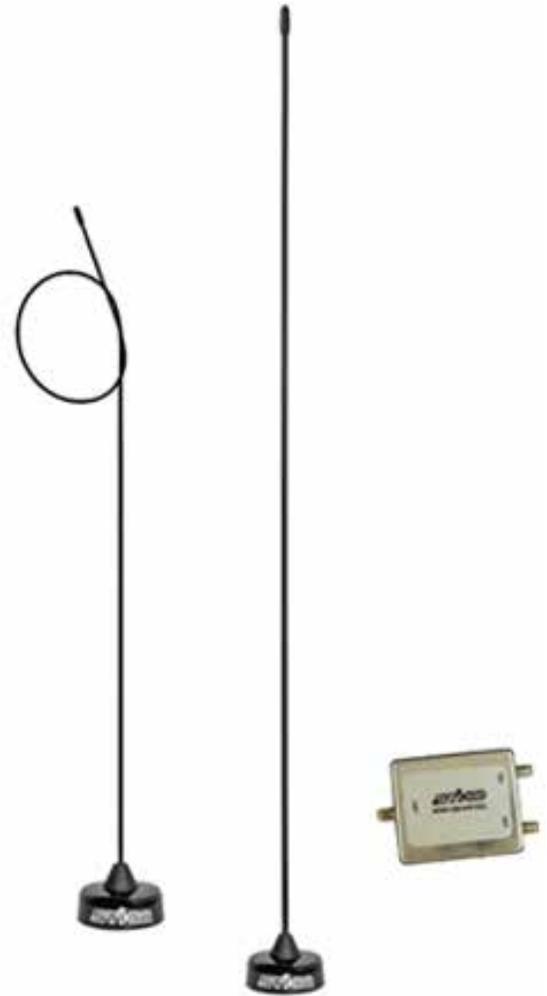


## Dual Band, Dual Port Antenna

Combine VHF and 7-800 MHz Bands in One Antenna

- Now available with an ultra durable Flexi-Whip™ mast
- Reduce the number of antennas on the vehicle
- Simultaneous two-band operation
- Integrated coupler with VHF and 7-800 port
- Uses standard NMO mount

MODEL NUMBER	RFMT-NT-VHF/7-800
FREQUENCY RANGE (MHz)	150-174 & 760-870
BANDWIDTH (MHz)	24 / 110
SWR	<2:1
POWER RATING	100 / 35
GAIN	Unity
PATTERN	Omni-directional
MAST MATERIAL	Nitinol
MAX. HEIGHT (IN)	17.6



# Tri Band Roof Mount Antenna

Designed for Software Defined Radios

- VHF/UHF/7-800 Mhz operation from a single connection
- Antenna only available for use with existing base
- Standard system includes antenna, NMO mount and cable kit
- Excellent durability under all conditions with unique flexible-whip design
- Designed and manufactured in the U.S.A.

MODEL NUMBER	RFMT-NT-V/U/C or RFMT-NT-V/U/C-A (MAST ONLY)
FREQUENCY RANGE (MHz)	150-174, 380-520, 762-870
BANDWIDTH (MHz)	24, 140, 108
SWR	<2:1
POWER RATING	150
GAIN (TYPICAL dBi)	0/3/6
PATTERN	Omni-directional
POLARIZATION	Vertical
FINISH	Black
MAX. HEIGHT (IN)	19.20
MOUNTING HARDWARE	NMO base
MAST MATERIAL	Nickel titanium
BASE MATERIAL	Black thermoplastic
FEED	17' RG58
CONNECTOR	PL259, Mini-UHF, BNC, TNC, N, or QMA



# WavStreamer® MIMO Antenna

Cutting-Edge Multiband Antenna Optimized for Superior Diversity Performance

- Robust multi-band roof mount 5-in-1 antenna: GPS, WiFi (2), and 4G/5G LTE elements (2)
- Environmentally tested and certified (SAEJ1455, AREMA, MIL-STD-810)
- Customizable connectors and cables
- Designed and manufactured in the USA
- Five-year STI-CO warranty



SPECIFICATIONS	STI-CO P/N: MRLP-XX-LLG22	COMMENTS
FREQUENCY RANGE (MHz)	698-960 MHz 1700-2700 MHz	
FREQUENCY RANGE (MHz)	2400-2500 MHz 4900-5900 MHz	
GPS	GPS/Galileo/GLONASS	Active gain 28dB, 1.5-3.6V supply voltage required
VSWR (MAX)	LTE ≤ 2.25:1 (698-960 Mhz) LTE ≤ 2.0:1 (1700-2300 Mhz) Wi-Fi ≤ 1.75:1 (2400-2500 Mhz) Wi-Fi ≤ 2.0:1 (4900-5900 Mhz)	Measured with 1 ft
ISOLATION LTE 1 TO LTE 2	≥ 7dB @ 700 Mhz ≥ 5dB @ 755 Mhz ≥ 6dB @ 800 Mhz ≥ 11dB @ 900 Mhz ≥ 20dB (1700-2300)	Measured with 1 ft cable
ISOLATION LTE 1 TO WI-FI	≥ 20dB (698-960 Mhz) ≥ 10dB (1700-2300 Mhz) ≥ 20dB (2400-2500 Mhz) ≥ 20dB (4900-5900 Mhz)	Measured with 1 ft cable
ISOLATION WI-FI 1 TO WI-FI 2	≥ 25dB (2400-2500 Mhz) ≥ 25dB (4900-5900 Mhz)	Measured with 1 ft cable
IMPEDANCE (OHMS)	50	
CONNECTOR	SMA-female, others available	
CABLE TYPE	LMR-195-FR (LTE 1&2) RG-174 (GPS) customized cable length	LMR-195-FR Is a non-halogen (non-toxic), low smoke, fire
MOUNTING TYPE (ROOF MOUNT)	1" dia. feed through 1.3" long threaded boss for up to 1/2" thick surface	
RADOME MATERIAL	Makrolon Polycarbonate	
DIMENSIONS	Length (in): 9.2" Height (in): 3.6" Width (in): 6"	
THERMAL	SAEJ1455, 3/2017	
OPERATING TEMPERATURE RANGE	Operating: -40 °C To +75 °C Storage: -55 °C To +85 °C	
VIBRATION	SAEJ1455, 3/2017 AREMA, Part 11.5.1, 2008	
MECHANICAL	AREMA, Part 11.5.1	
SALT SPRAY	SAEJ1455, 3/2017 AREMA, Part 11.5.1, 2008	
WATER INGRESS/PRESSURE WASH	SAEJ1455, 3/2017	
HUMIDITY DUST/SAND/GRAVEL	MIL-STD-810F SAEJ1455, 3/2017 AREMA, Part 11.5.1, 2008	



# Covert

**Blend into the background with STI-CO® undercover and hidden antenna solutions**

STI-CO® offers a complete line of custom covert OEM AM/FM exact replacement, concealed and disguised solutions for law enforcement and government agencies. We continually design and create new products to keep up with the automotive cosmetic changes, new two-way radio frequency specifications including dual-band and tri-band options for your surveillance mission critical requirements.

# Covert Euro Style Roof Mount Antenna

With Flexible Mast

- Flexible mast bends and bounces back
- Survives antenna impact in parking garages
- Select models available in single, dual & tri-band systems
- AM/FM antenna included
- Available OEM style replacement for specific vehicles
- Available for multi-port radios & all-band single-port radios

MODEL NUMBER	SB-VHF-EAN	DB-VHF/UHF-EAN*	DB-VHF/7-800-EAN	TB-V/U/C-EAN-SP
FREQUENCY RANGE (MHz)	150-174	150-174 & 406-512*	150-174 & 760-870	150-174, 406-512*, 760-870
BANDWIDTH (MHz)	24	12-24 & 34	24 & 110	24, 34 & 110
POWER RATING	150	150, 110	150, 35	100
FINISH	Black			
MAX. HEIGHT (IN)	17.5			
MAST MATERIAL	Nitinol			
FEED LINE	17' RG58			
CONNECTORS	PL259, Mini UHF, BNC, TNC, SMA, N, QMA			



# Covert Tri-Band OEM Style Antenna

Extraordinary Connectivity At A Moment's Notice

- Designed for 100W mobile radios
- Streamlined design for quick & easy installation
- Select models available in single, dual & tri-band systems
- Multi-band for maximum connectivity
- STI-CO's Flexi-Whip™ incorporated for maximum durability

MODEL NUMBER	SKFN-NB-VHFL-EAN	SKFN-NB-VHFH-EAN	SKFN-SB-UHF-EAN	SKFN-TB-V/U/C-EAN-SP
FREQUENCY RANGE (MHZ)	150-161	161-174	406-520	130-174, 406-520, 760-870
POWER RATING (WATTS)	100			
FINISH	Black			
MAXIMUM HEIGHT	10	10	4.9	16.4
MAST MATERIAL	Flexible Nickel Titanium			
FEEDLINE	17' RG316	15' RG316	15' RG316	15' RG316
CONNECTORS	PL259, Mini UHF, BNC, TNC, SMA, N, QMA			



# Stealth Antenna

## Permanent Roof Mount

- Sleek OEM-style permanent roof mount antenna
- Now available for single-port all-band radios
- Universal—fits most vehicles
- Perfect for covert or non-covert applications
- Available with an optional AM/FM interface

MODEL NUMBER	CPMT-SB-VHF	CPMT-DB-VHF/UHF	CPMT-DB-VHF/7-800	CPMT-DB-VHF/7-800-SP
FREQUENCY RANGE (MHz)	150-174	150-174 / 406-485	150-174 / 760-870	150-174 / 760-870
BANDWIDTH (MHz)	24	24 / 30	24 / 110	24 / 136
POWER RATING	150	150 / 125	150 / 50	100
FINISH	Black			
MAX. HEIGHT (IN)	11.5			
MOUNTING HOLE	Roof mount			
CABLE KITS	Low loss 195	RG 58	RG 58	RG 316
CONNECTORS	PL259, Mini UHF, BNC, TNC, SMA, N, QMA			



## Magnet Mount Stealth Antenna

- Low profile, durable and covert
- Easily move from vehicle to vehicle
- Now available for single port all-band radios
- Secured by three high powered magnets
- Installs in minutes

MODEL NUMBER	CMAG-SB-VHF	CMAG-DB-VHF/UHF	CMAG-DB-VHF/7-800	CMAG-DB-VHF/7-800-SP
FREQUENCY RANGE (MHz)	150-174	150-174 / 406-512*	150-174* / 760-870	162-174 / 760-870
BANDWIDTH (MHz)	24*	24* / 34*	24* / 136	12 / 136
POWER RATING	150	150	150 / 35	100
FINISH	Black			
MAX. HEIGHT (IN)	9.6			
MOUNTING HOLE	Magnet mount			
CABLE KITS	RG 174	RG 58	RG 58	RG 58
CONNECTORS	PL259, Mini UHF, BNC, TNC, SMA, N, QMA			



## Plug 'n Play Antenna

Magnet Mount Works With Your Portable Antenna Whip

- Accepts portable whips with flush female SMA (SF) connector
- Easy install magnet mount suits temporary or permanent needs
- Adapts to your specific frequency applications
- Enhances your portable radio's performance
- Buy base alone or with optional whip

MODEL NUMBER	BSSF-VHF-M	BSSF-UHF-M	BSSF-CEL-M
COMPLETE SYSTEM	MMAS-BSSF-VHF	MMAS-BSSF-UHF	MMAS-BSSF-CEL
BASE ONLY	MMAS-BSSF		
FREQUENCY RANGE (MHz)	150-174	360-520	806-870
VSWR	<2:1		
POWER RATING	10		
MAX. HEIGHT (IN)	10		
FINISH	Black		
MOUNTING STYLE	Magnet		
FEED LINE	17' RG316		
CONNECTORS	PL259, Mini UHF, BNC, TNC, SMA, N, SMB QMA		



# Superband® Fender Mount Antenna

Blend In With A Factory Style VHF Antenna

- OEM hardware for simple installation
- Designed specifically for the make, model and year of each vehicle
- Broadband operation without tuning
- Allows simultaneous operation of the entertainment radio

MODEL NUMBER	SB-VHF-DS	SB-UHF-DS
FREQUENCY RANGE (MHz)	150-174	406-512*
BANDWIDTH (MHz)	24	60*
POWER RATING	150	150
FINISH	OEM match	
MAX. HEIGHT (IN)	28-36 MAX	
MOUNTING HOLE	OEM hardware	
CABLE KITS	17' RG58	
CONNECTORS	PL259, Mini UHF, BNC, TNC, SMA, N, QMA	



# Multi-Band Fender Mount

Available in VHF/UHF, VHF/7-800 & VHF/UHF/7-800

- OEM hardware for simple installation
- Designed specifically for the make, model and year of each vehicle
- Available for multi-port radios and all-band single-port radios
- Allows simultaneous operation of good time radio

MODEL NUMBER	DB-VHF/UHF*	DB-VHF/7-800	TB-V/U/C-EAN-SP
FREQUENCY RANGE (MHz)	150-174 & 406-512*	150-174 & 760-870	150-174, 406-512*, 760-870
BANDWIDTH (MHz)	12-24 & 34*	24 & 110	24*, 34* & 110
POWER RATING	150, 110	150, 35	150, 35
FINISH	Black		
MAX. HEIGHT (IN)	28-32"		
MAST MATERIAL	Steel		
FEED LINE	17' RG58		
CONNECTORS	PL259, Mini UHF, BNC, TNC, SMA, N, QMA		



# Bumper Step Up Antenna

High Performance, Narrow Bandwidth

- Covert, durable & rapidly deployable
- Designed to fit standard two-inch towing receiver
- Fully functional as a step up
- Locking mechanism included to prevent theft

MODEL NUMBER	BSAN-SB-VHF	BSAN-SB-VHFL
FREQUENCY RANGE (MHz)	150-174	138-150
BANDWIDTH (MHz)	24	12
SWR	<2.0:1	
POWER RATING	100	
GAIN	0 dBi	
IMPEDANCE (OHMS)	50	
FINISH	Black	
WEIGHT	6.0 LBS	
CONNECTOR	Customer Defined	
MAST MATERIAL	20' Copper / Brass	
FEED LINE	12' RG-303	
RADOME MATERIAL	Thermoplastic	



## Cellular Style Antenna

Looks Like a Cellular Mobile Antenna Operates at Public Safety Frequencies

- Avoid drilling holes in leased or rented cars, vans, and trucks
- Available in glass, roof, magnet, and trunk lip mounts
- Classic cellular style design
- Movable without damage to car or antenna

### Glass mount

MODEL NUMBER	GLMT-SB-VHF	GLMT-SB-VHF-SUV	GLMT-DB-VHF/UHF	GLMT-DB-VHF/7-800
FREQUENCY RANGE (MHz)	136-174	150-174	150-174 / 406-512	136-174 / 760-896
BANDWIDTH (MHz)	38	24	24 / 106	38 / 136
POWER RATING	150	150	150	150 / 35
ISOLATION (dB)	35			
FINISH	Black			
MAX. HEIGHT (IN)	16	19	16	16
MOUNTING HARDWARE	Acrylic adhesive kit			
MAST APPEARANCE	Closed coil			
FEED LINE	17' RG58			
CONNECTORS	PL259, Mini UHF, BNC, TNC, SMA, N, QMA			

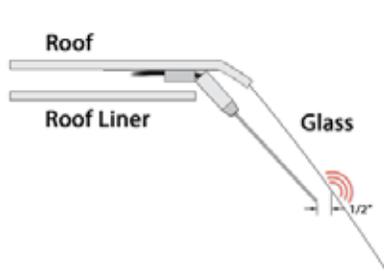


# The STI-CO Stinger

Internal Peel & Stick Antenna in 7-800 and 7-800/PCS

- New, improved design for total covert outfit
- For radio, cellular and mobile data applications
- Mounts above rear window of a car or side window of a van or SUV
- Everything except mast hidden above roof liner (see diagram)
- Installation is fast and easy! Keep mast at least 1/2 inch from window

MODEL NUMBER	CCAS-SB-7-800	CCAS-DB-7-800/PCS
FREQUENCY RANGE (MHz)	760-870	806-896 & 1850-1950
BANDWIDTH (MHz)	136	90 / 110
SWR	<2:1	
POWER RATING	35	
MAST MATERIAL	Stainless steel	
MAST LENGTH (IN)	3.1	3.1 / 1.2
ADHESIVE	VHB high strength tape	
FEED LINE	20' low loss cable/td>	
CONNECTORS	PL259, Mini UHF, BNC, TNC, SMA, N, QMA	



## Covert Bumper Antenna

Completely Hidden Behind the Bumper

- Best in class performance
- 24MHz\* bandwidth in VHF & 30MHz in UHF frequency range
- Fits most vehicles with non-metallic bumpers
- Step-by-step installation and tuning instructions for optimal performance
- System includes 2 antenna elements, mounting tape, cable, and connector

MODEL NUMBER	BDAS-SB-VHF	BDAS-NB-UHF
FREQUENCY RANGE (MHz)	136-174	406-512
BANDWIDTH (MHz)	24*	30*
VSWR	<2:1	
POWER RATING	100	
GAIN	Unity	
PATTERN	Omni-directional/Diversity	
ANTENNA LENGTH	23	
MOUNTING STYLE	Bumper mount w/ adhesive tape	
FEEDLINES (2)	17' low loss	
CONNECTORS	PL259, Mini UHF, BNC, TNC, SMA, N, QMA	



## Rear Deck Antenna

Installs Quickly and Easily on Rear Window Deck of Sedans

- Now available in tri-band for single port radios
- Discreet size and color for covert operations
- Covers entire low or high VHF, VHF/UHF and VHF/7-800 frequency ranges
- Fits most full and midsize sedans
- Adapts to different rear window angles and heights

MODEL NUMBER	RDCA-SB-VHF	RDCA-DB-VHF/UHF	RDCA-DB-VHF/7-800	RDCA-TB-V/U/C-SP
FREQUENCY RANGE (MHz)	136-174*	150-174 / 406-512	150-174 / 760-870	150-174 / 406-512 / 760-870
BANDWIDTH (MHz)	24	24 / 34	24 / 110	24 / 34 / 110
VSWR	<2:1			
POWER RATING	150	150	150 / 35	100
GAIN	Unity			
PATTERN	Omni-directional			
MAX. HEIGHT (IN)	20	17	17	17
FINISH	Black			
MOUNTING STYLE	Interior rear deck			
FEEDLINE	17' RG58			
CONNECTORS	PL259, Mini UHF, BNC, TNC, SMA, N, QMA			



## LTE Antennas for Covert OPS

Stockable and Perfect for Fleets

- Compact design makes it easy to conceal
- Transferable from one vehicle to another
- Wide bandwidth for superior coverage
- Covers 3G, 4G, GSM, PCS, and WiFi/Bluetooth
- Budget friendly, perfect for fleets

MODEL NUMBER	BLDE-DB-4G/LTE	PTCH-DB-4G/LTE
FREQUENCY RANGE (MHz)	791-900 / 1800-2690	
VSWR	<2.1	<3.1
POLARIZATION	Horizontal	Linear
IMPEDANCE	50 Ohms	
GAIN	2.14 dBi	
POWER RATING	25	35
OPERATING TEMP (°F)	-40 to 185	-40 to 131
DIMENSIONS (Mm)	6.7 x 14.8 x 119 (max)	11.3 x 60 x 112.5 (max)
CONNECTORS	Male SMA connector 12' (Right angle available)	



# Stealth Magnetic Mount Antenna

VHF/UHF/7-800 For Single-Port Tri-Band Radios

- Stealth Tri-band antenna designed for 100W mobile
- Streamlined design for quick & easy installation
- Easily move from vehicle to vehicle
- STI-CO's Flexi-Whip incorporated for extreme durability
- Secured by three high power magnets

<b>MODEL NUMBER</b>	<b>SKFN-MAG-TB-V/U/C-EAN-SP</b>
FREQUENCY RANGE (MHz)	138-174/406-520/760-870
POWER RATING (WATTS)	100
FINISH	Black
MAXIMUM HEIGHT (IN)	16.4
MAST MATERIAL	Flexible Nickel Titanium
FEED LINE	RG-174 (17')
CONNECTOR	Mini-UHF, TNC, N, Q





# Tactical/ Military

**STI-CO® offers multiband interoperable and tactical antenna solutions for critical incidence deployment**

Our specialized military and tactical antenna solutions are engineered with the importance of quick, easy deployment with seamless interoperable communication between tactical or emergency responder teams. Our rugged systems come with our five-year warranty assuring you of our STI-CO® quality.

# Interoperable Tactical Antenna

Rugged, Fast Setup Multi-Band Antenna Now Available With Public Safety Band!

- Tri-band for VHF, UHF, and 7-800 MHz
- Optional aviation band
- Simplifies cabling
- No tools needed to setup
- Reduces intermodulation issues
- Compatible with gateway transmission systems

MODEL NUMBER	IOAK-TB-V/U/C or IOAK-QB-A/V/U/C			
FREQUENCY RANGE (MHz)	(A) 106-130	(V) 150-174	(U) 380-512	(C) 760-896
BANDWIDTH (MHz)	24	24	132	136
SWR	<2:1			
POWER RATING	150			
PATTERN	Omni-directional			
GAIN (dB)	Unity			
PATTERN	Omni-directional			
ISOLATION	>20 dB per port			
MAX. HEIGHT (IN)	35.5			
MAST MATERIAL	Aluminum			
FINISH	Black			
SHAFT DIAMETER (IN)	1.25			
FEED LINE (FROM ANTENNA)	50' low loss-195			
FEED LINES (FROM COUPLER TO RADIOS)	3' low loss-195			
CONNECTORS (ONE PER RADIO)	PL259, Mini-UHF, BNC, TNC, SMA, or N			



# Interoperable Mobile Antennas

Multi-Frequency Antennas for Interoperability in Vehicles

- Tri-band for VHF, UHF, and 7-800 MHz
- Compatible with interoperable gateway systems
- Reduces intermodulation issues
- Single port for 700 or 800 MHz radio

## Tri-Band Magnet & Roof Mount Antennas

MODEL NUMBER	MGNT-TB-V/U/C or ROOF-TB-V/U/C	GLMT-TB-V/U/C (SEDAN ONLY)
FREQUENCY RANGE (MHz)	(V) 150-174, (U) 380-512, (C) 760-896	
BANDWIDTH (MHz)	24, 132, 136	
INSERTION LOSS (DB/PORT)	1.5	
ISOLATION (DB/PORT)	20, 20, 35	
MOUNTING STYLE	Magnet mount, Roof mount	Glass mount
POWER RATING (WATTS/TRANSMISSION LOSS)	150	35
MAST APPEARANCE	Center mast with extensions	Close coil
FEED LINE (FROM ANTENNA)	10' low loss cable	17' RG58
FEED LINE (FROM COUPLER TO RADIO)	3' low loss cable	
CONNECTOR	PL259, Mini-UHF, BNC, TNC, N, or QMA	

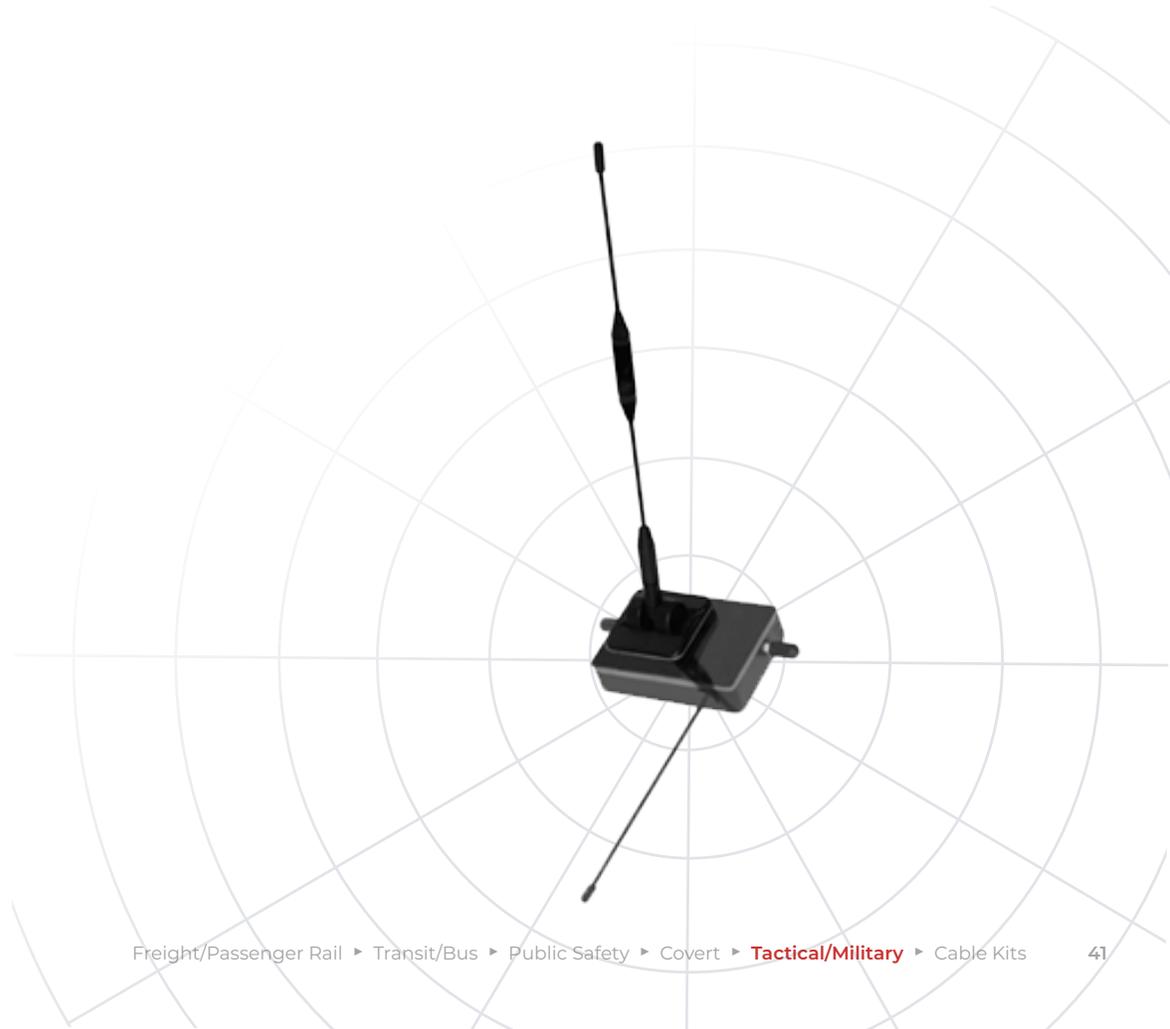


# Interoperable Mobile Antennas

Multi-Frequency Antennas for Interoperability in Vehicles

## Tri-Band Glass Mount Antennas

MODEL NUMBER	MGNT-TB-V/U/C or ROOF-TB-V/U/C	GLMT-TB-V/U/C (SEDAN ONLY)
FREQUENCY RANGE (MHz)	(V) 150-174, (U) 380-512, (C) 760-896	
BANDWIDTH (MHz)	24, 132, 136	
INSERTION LOSS (dB/PORT)	1.5	
ISOLATION (dB/PORT)	20, 20, 35	
MOUNTING STYLE	Magnet mount, Roof Mount	Glass mount
POWER RATING (WATTS/TRANSMISSION LOSS)	150	35
MAST APPEARANCE	Center mast with extensions	Close coil
FEED LINE (FROM ANTENNA)	10' low loss cable	17' RG58
FEED LINE (FROM COUPLER TO RADIO)	3' low loss cable	
CONNECTOR	PL259, Mini-UHF, BNC, TNC, N, or QMA	



## Multi-Band Coupler

- Wideband coupler allows simultaneous communication
- Simplifies and reduces cost of cabling
- Ideal for interoperable gateways or software defined radios
- Rugged military grade enclosure available with TNC or N type connectors
- Easily handles high power with low insertion loss

MODEL NUMBER	COUP-V/U/C or COUP-A/V/U/C			
FREQUENCY RANGE (MHz)	106-130	138-174	380-512	760-896
BANDWIDTH (MHz)	24	36	132	136
SWR	2:1			
POWER RATING (WATTS)	150			
INSERTION LOSS (dB)	<1.5			
ISOLATION (dB)	>20			

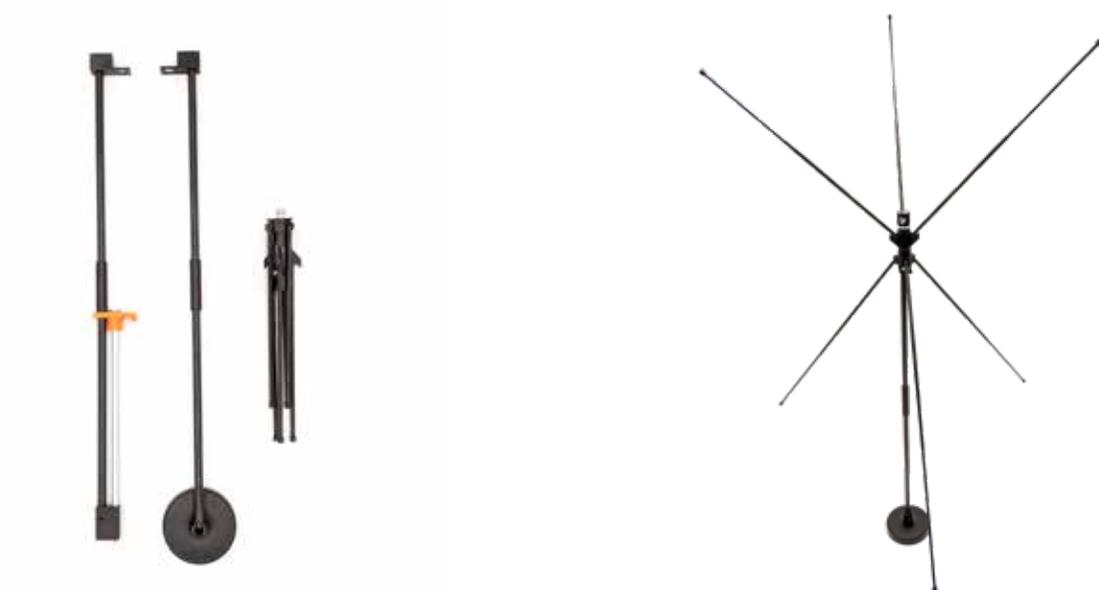


# Compact Portable Antenna

Durable, Quick Deploy Antenna. Now Available in VHF/UHF Dual Band

- Supports base station or repeater in remote areas.
- Hangs from a tree or beam or mounts on any flat surface
- Stakes to the ground for quick deployment
- Increase range and gets signal above ground clutter
- Easily fits inside backpack or field kit

MODEL NUMBER	CPAK-NB-VHF	CPAK-SB-UHF	CPAK-SB-CEL	CPAK-DB-VHF/UHF
FREQUENCY RANGE (MHz)	136-174	340-512	806-896	150-174 & 380- 512
BANDWIDTH (MHz)	21*	90*	90	24 & 132
VSWR	<2:1			
POWER RATING	150	150	50	150 & 50
PATTERN	Omni-directional			
MAX. LENGTH EXTENDED	31"	10"	6.5"	28.5"
MAX. LENGTH COLLAPSED	10.5"	7.5"	4.7"	10.1"
FINISH	Black			
WEIGHT (LBS)	0.3	0.2	0.1	4.1
CABLE KITS	20' low loss -195			
CONNECTORS	PL259, Mini UHF, BNC, TNC, SMA, N, QMA			



## Field Portable Antenna Kit

Rugged Design for Temporary Base Stations

- Set-up base station antenna quickly in emergency headquarters
- Compact, rugged, and lightweight
- Just minutes to deploy or remove
- Outperforms unity gain, vehicle mounted antennas

MODEL NUMBER	FPAK-1-VHF	FPAK-1-UHF	FPAK-1-UHFH	FPAK-1-CEL
FREQUENCY RANGE (MHz)	140-174	400-440	440-512	806-896
BANDWIDTH (MHz)	10*	40	72	90
SWR	<2:1			
POWER RATING	150	150	150	150
GAIN (dBi)	5	5	5	6
PATTERN	Omni-directional			
HEIGHT (IN)	39-54"	19"	<18"	30"
FINISH	Black anodized aluminum			
MAST APPEARANCE	Adjustable	Fixed	Fixed	Fixed
WEIGHT	32 Lbs			
CABLE KITS	50' low loss-195			
CONNECTORS	PL259, Mini UHF, BNC, TNC, SMA, N			



# Tactical Vest Antenna Bracket

Designed for MOLLE-Style Vests

- Extends radio antenna above the shoulder for better signal
- Excellent for use by SWAT, ERT's and other critical response teams
- Designed specifically for use with APEX-style radios
- Unit is covered with heavy duty elastic material to keep out debris
- Available in desert tan, or black to match vest

MODEL NUMBER	VTAB-SF	VTAB-SU
INSERTION LOSS (dB)	<0.5 up to 900 MHz	
MATERIAL	Elastic covered black steel bracket	
BRACKET DIMENSIONS (IN)	6.5H x 1.25W x .09	
WEIGHT (LBS.)	0.2	
COLORS (CHOOSE ONE)	Desert tan or Tactical black	
MOISTURE PROTECTION	Water resistant	
CABLE	32" RG58	
CONNECTORS	SMA-F	BNC-Male

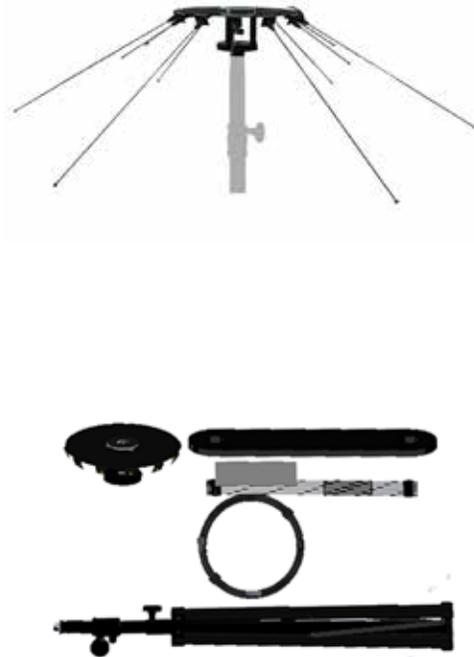


# Deployable Ground Plane System

Tactical System for Fast Set Up

- Designed to work with your existing magnetic or NMO base antennas
- Quick and easy setup for rapid deployment
- Engineered for use with VHF, UHF, 4G/5G frequencies
- Tough, durable and corrosion resistant

<b>MODEL NUMBER</b>	<b>IOAK-GPK-STM</b>
<b>FREQUENCY RANGE (MHz)</b>	VHF, UHF, Cellular, 4G/5G custom bands for interoperability
<b>MAX. HEIGHT (IN)</b>	79", not including mounted antenna
<b>FINISH</b>	Ground plane disk: black powder coated steel Ground plane tripod: black
<b>WEIGHT</b>	12.6 lbs, not including additional antennas and case
<b>CABLE</b>	25' low loss, heavy duty coaxial cable
<b>CONNECTORS</b>	Male N-type Coaxial connector, and Male TNC type Coaxial connector



# Line Of Sight Military Antenna

Military/Defense

- Durable mast engineered for a rugged environment
- Custom designed antenna base with an integrated TNC-Jack connection
- High temperature low loss cabling option

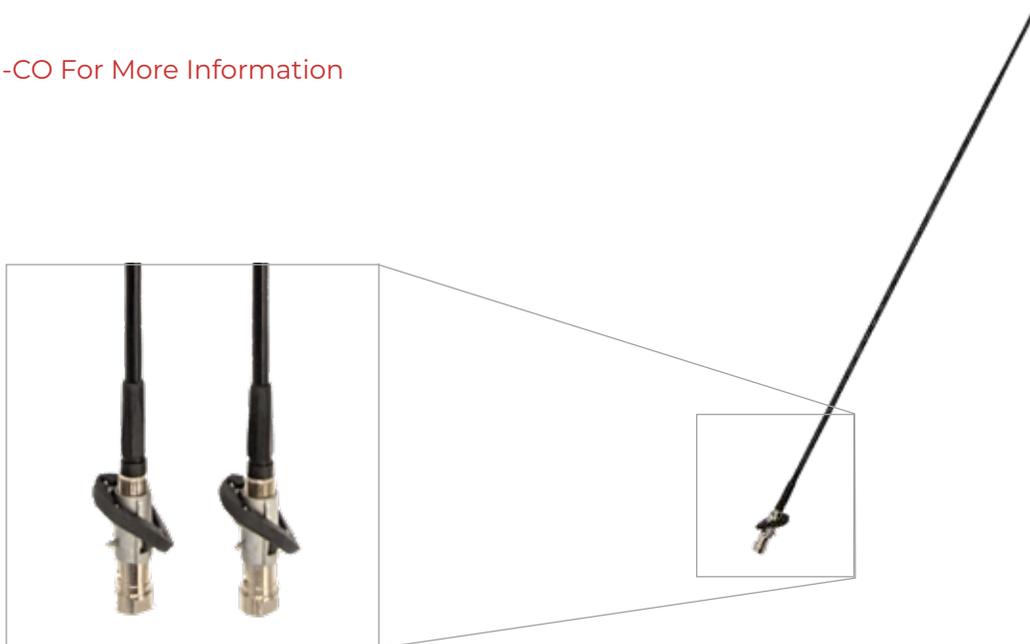
## ELECTRICAL SPECIFICATIONS

FREQUENCY RANGE (MHz)	30-88, 108-200, 225-512
BANDWIDTH (MHz)	58, 92, 287

## MECHANICAL SPECIFICATIONS

ANTENNA LENGTH	34.25 IN
FINISH	Gloss Black Polyurethane Enamel
WEIGHT	2.9 LBS
FEEDLINE (-1 OPTION)	16' LMR-240-LLPL
CONNECTOR	TNC (Jack)
MAST MATERIAL	Brass
RADOME MATERIAL	Fiberglass Epoxy
OPERATING TEMPERATURE (°F)	-50 to +150

Contact STI-CO For More Information



# MANET Antenna System

## Wideband Vehicle Mount

- Omnidirectional Antenna with High-Frequency NMO Base
- Well suited for Vehicular Mounted MANET Applications
- Ideal for Low-Vis Covert applications
- Meets MIL-STD-810 Environmental Standards

### ELECTRICAL SPECIFICATIONS

FREQUENCY RANGE (MHz)	1250-2600
BANDWIDTH (MHz)	1350
VSWR (MAX)*	2.0:1 (Typical)
POWER RATING (WATTS)	50 (Continuous)
EFFICIENCY (%)	85.3 (Operating Band Average)
GAIN (dBi)	4.6 (Peak Operating Band Average)
POLARIZATION	Vertical
RADIATION PATTERN	Omni-directional (Azimuth)
INPUT IMPEDANCE	50 (Nominal)

### MECHANICAL SPECIFICATIONS

OVERALL HEIGHT (INCHES)	2.13 IN
OVERALL DIAMETER (INCHES)	1.67
WEIGHT	0.20 (Antenna) / 0.15 (NMO-base)
CONNECTION	HF-NMO (5/8" Mounting Hole Required)
RADOME MATERIAL	ABS Plastic (Ready for Automotive Paint Finish)
TEMPERATURE RANGE (°F)	-60 to +120

Contact STI-CO For More Information



# Covert Wideband Tactical Vehicle Antenna

Ultra-Wideband Vehicle Antenna

- Magnetic Mount NMO Antenna
- Broadband
- High-Temperature Low-Loss Cable

ELECTRICAL SPECIFICATIONS	
FREQUENCY RANGE (MHz)	225-2600
BANDWIDTH (MHz)	2375
VSWR (MAX)*	2.5:1
POWER RATING (WATTS)	50
MAX GAIN (dBi)	0 dBi
PATTERN	Omni-directional (Azimuth)
IMPEDANCE (OHMS)	50

MECHANICAL SPECIFICATIONS	
ANTENNA MAST LENGTH	10.0"
FINISH	Black
WEIGHT	1.2 LBS
FEEDLINE	16' RG-142 or LMR-240-LLPL
CONNECTOR	N-Female
MAST MATERIAL	Brass
RADOME MATERIAL	Delrin®/ Acetal
TEMPERATURE RANGE (°F)	-50 TO +150

Contact STI-CO For More Information





# Cable Kits

**Custom cable kit solutions built to your specifications**

STI-CO offers a wide selection of cable and connector types. Offering competitive pricing and all orders are built in house with quick turnaround times.

# STI-CO Cable Kits

Custom Designed to Fit Your Specific Needs

- Cable kits built to your own specs
- Competitive pricing – up to 50% savings
- Your choice of connector – installed or loose
- Built to order in just one day
- Technical assistance available if needed

CABLE TYPE	GROUP	OHMS	DIELECTRIC TYPE	O.D (IN)	SHEILD
RG 316 U	B	50.0	ST	0.102	Braid
RG 174/U	B	50.0		0.110	Braid
RG 58/U	C	53.5	PE	0.195	Braid
RG 303/U	C	50.0	ST	0.170	Braid
LOW LOSS-195	C	50.0	Foam PE	0.195	Foil



## CONNECTOR TYPES



# Contact Information

## Need help?

If you have any questions about a STI-CO® antenna solution product and/or the contents or need assistance with the installation or usage of a product, please feel free to contact STI-CO® Support at our toll free number: 866-307-8426. We also have supporting documentation of most our products available on our website ([www.sti-co.com](http://www.sti-co.com)).

STI-CO Industries, Inc.  
Orchard Park, New York 14127  
866.307.8426  
[www.sti-co.com](http://www.sti-co.com) | [sales@sti-co.com](mailto:sales@sti-co.com)

STI-CO® is a registered trademark of STI-CO Industries, Inc.  
This catalog is solely owned by STI-CO Industries, Inc.  
All rights are reserved. © 2021 STI-CO Industries, Inc.

