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## DISGUISE AM/FM ANTENNA

Comprod supplies disguised antennas and broadcast couplers to both public and private safety organization at the national, state, regional and municipal levels.

Our success resides in our professional engineering, reliable quality and ability to meet customer's special needs.

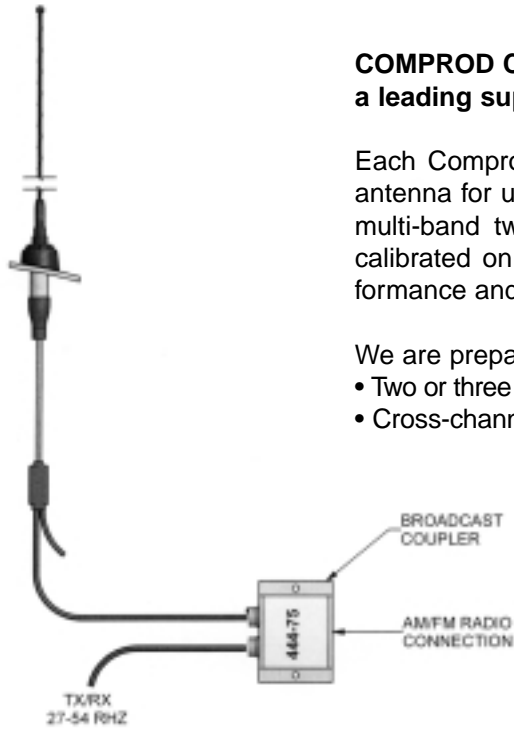
Whatever the make or model of a vehicle, we supply antennas indistinguishable from the original AM-FM broadcast antenna; providing high performance two-way communications in the low VHF, high VHF, UHF, Dual, and 800-900MHz mobile bands, while maintaining the capability of still receiving AM/FM broadcasts.

We offer both the Original Equipment Manufacturers (OEM) antennas or an adjustable Universal mounting antennas that meet 80% of your installation needs.

Our antennas can be installed on standard-issue marked vehicles or completely covert / under cover vehicles, providing the ultimate in stealth technology.



DISGUISE



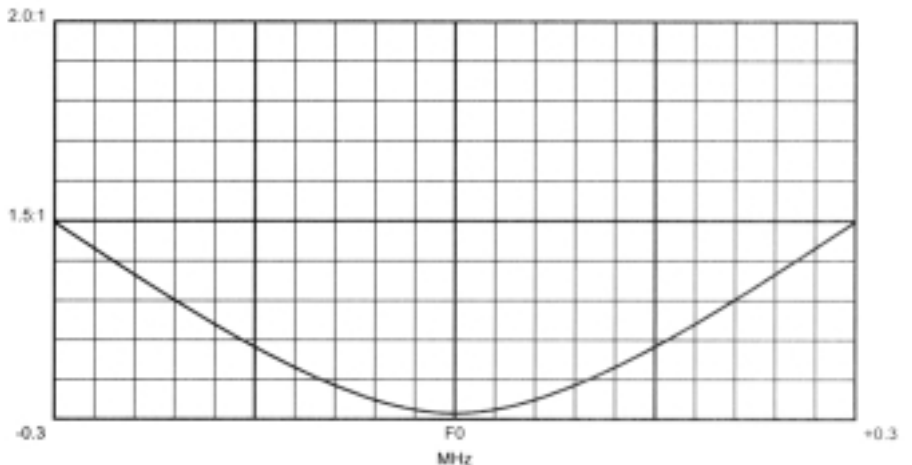
**COMPROD COMMUNICATIONS,  
a leading supplier of disguised antennas**

Each Comprod disguised antenna is made from an original OEM antenna for undetectable appearance. Modified to provide single or multi-band two-way communication, every antenna is individually calibrated on a unique "fender bench" to ensure the ultimate performance and security for high-risk applications.

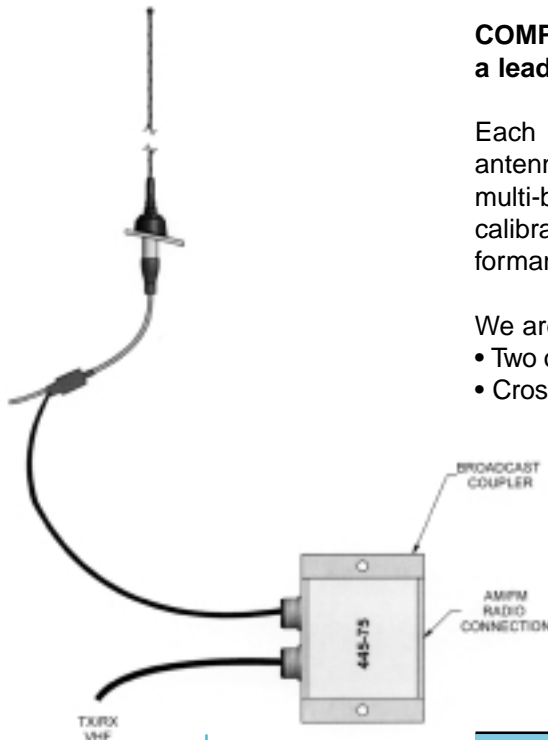
- We are prepared to meet our customers' special requirements:
- Two or three separate frequency segments in a given mobile band;
  - Cross-channel operation in two mobile bands with one antenna.

Technical Specifications	
Bandwidth (1.5 to 1 VSWR), KHz	600
Max. Power, Watts	150
Gain	Unity
Radiator	Solid Stainless Steel
Length, inches	31
Feed line	17 ft. RG58/u
Broadcast coupler (optional)	Model 444-75

VSWR vs Frequency



DISGUISE



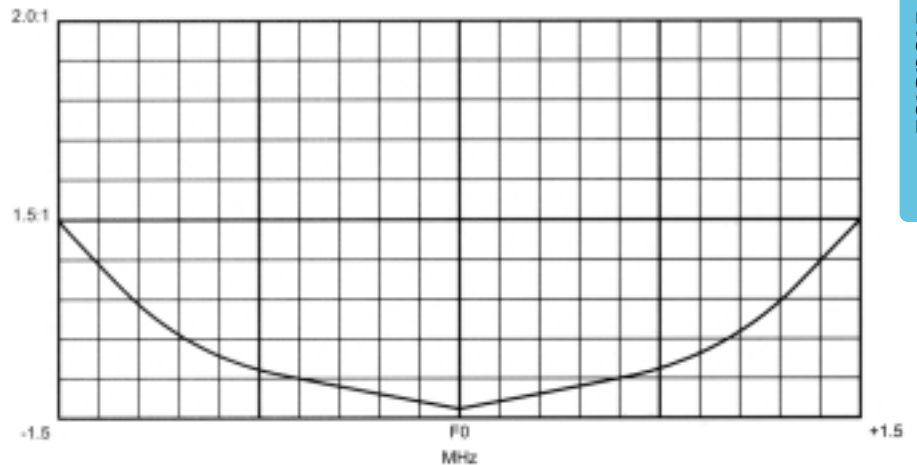
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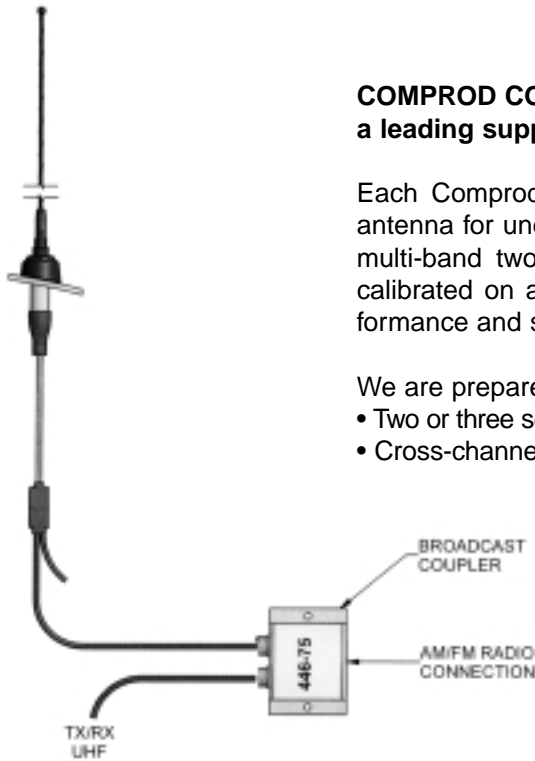
- We are prepared to meet our customers' special requirements:
- Two or three separate frequency segments in a given mobile band;
  - Cross-channel operation in two mobile bands with one antenna.

Technical Specifications	
Bandwidth (1.5 to 1 VSWR), KHz	3
Max. Power, Watts	150
Gain	Unity
Radiator	Solid Stainless Steel
Length, inches	31
Feed line	17 ft. RG58/u
Broadcast coupler (optional)	Model 445-75

VSWR vs Frequency



DISGUISE



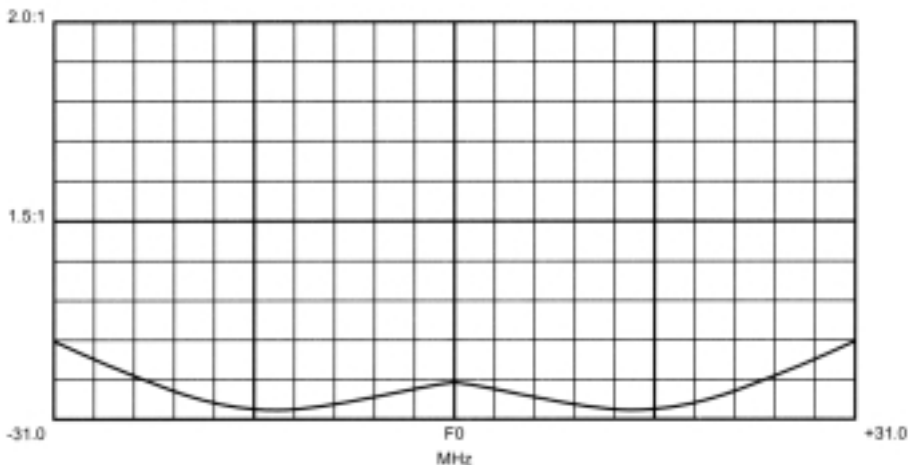
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- We are prepared to meet our customers' special requirements:
- Two or three separate frequency segments in a given mobile band.
  - Cross-channel operation in two mobile bands with one antenna.

Technical Specifications	
Bandwidth (1.5 to 1 VSWR), KHz	10-20
Max. Power, Watts	150
Gain	Unity
Radiator	Solid Stainless Steel
Length, inches	29 to 35
Feed line	17 ft. RG-8x
Broadcast coupler (optional)	Model 446-75

VSWR vs Frequency



DISGUISE



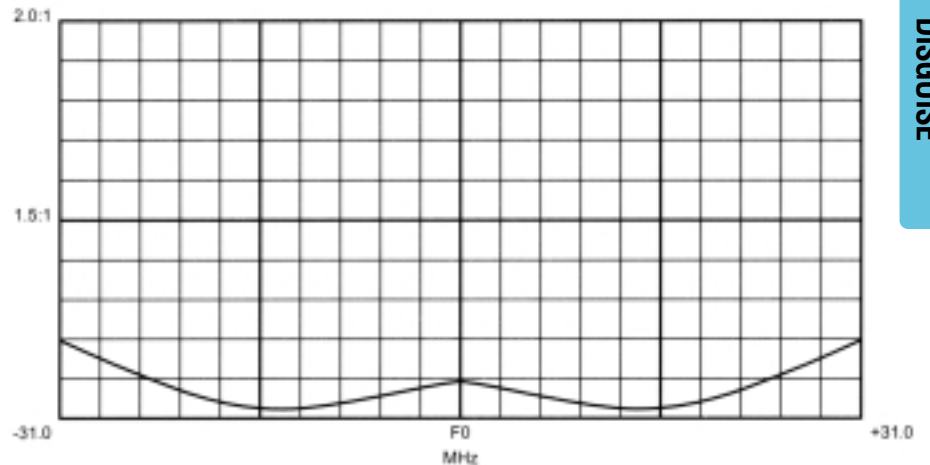
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- We are prepared to meet our customers' special requirements:
- Two or three separate frequency segments in a given mobile band;
  - Cross-channel operation in two mobile bands with one antenna.

Technical Specifications	
Bandwidth (1.5 to 1 VSWR), KHz	63
Max. Power, Watts	75
Gain	Unity
Radiator	Solid Stainless Steel
Length, inches	31
Feed line	5 ft. LMR-240
Broadcast coupler (optional)	Model 447-75

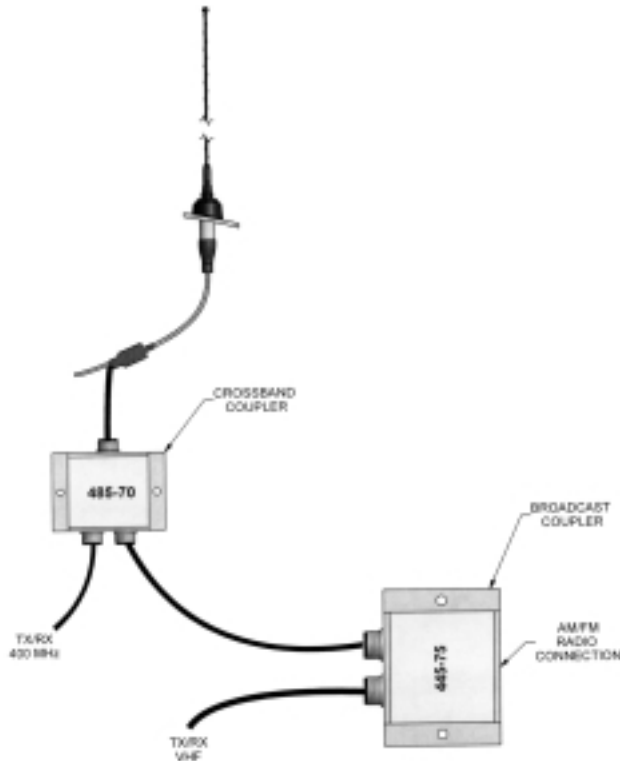
**VSWR vs Frequency**



DISGUISE

# DUAL BAND ANTENNAS

**COMPROD COMMUNICATIONS,**  
a leading supplier of disguised antennas



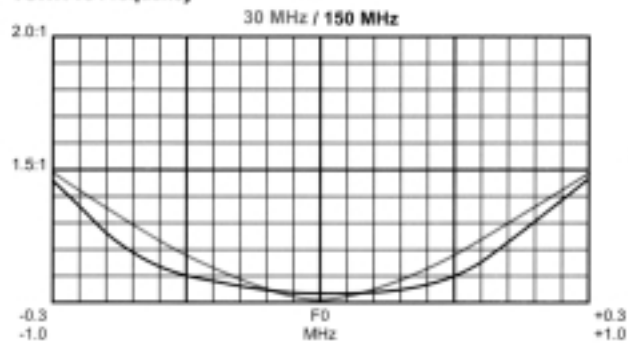
## Technical Specifications

Appearance	OEM Antenna
Mounting	Front/Rear Fender
Finish	Black / Chrome
Height, inches	29 to 35
Frequency Range, MHz	30-50 / 150-174 150-174 / 406-512 150-174 / 806-960
VSWR	< 1.5 :1
Bandwidth, MHz	30-50 / 0.7 150-174 / 2 406-512 / 10 806-960 / 63
Power	30-512 / 150W 806-960 / 75W
Gain	Unity
Pattern	Omnidirectional
Connector	UHF, Mini-UHF, BNC, TNC
Cable	VHF / 17' RG-58/U UHF / 17' RG-8X 800-960 / 5' LMR-240

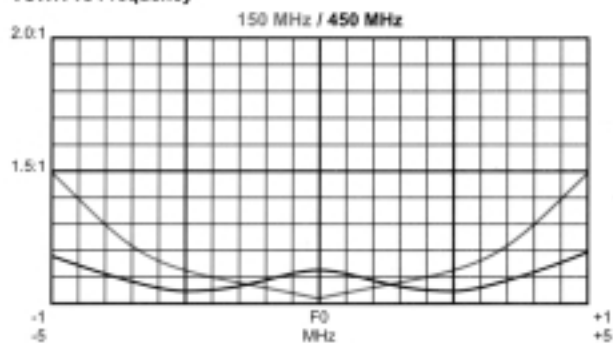
Specify Year, Make and Model of vehicle and both operating frequencies.

**DISGUISE**

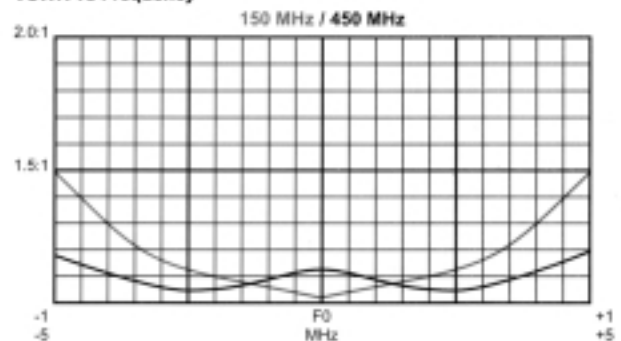
**VSWR vs Frequency**



**VSWR vs Frequency**



**VSWR vs Frequency**



# UNIVERSAL ANTENNAS



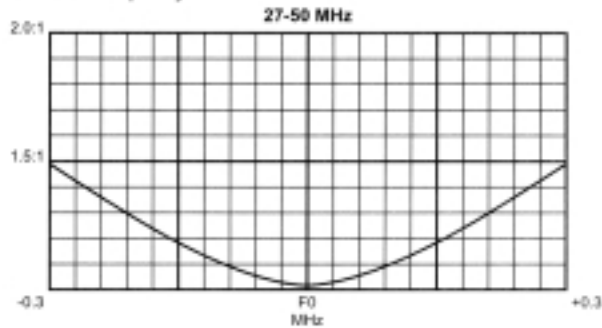
**COMPROD COMMUNICATIONS,**  
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## Technical Specifications

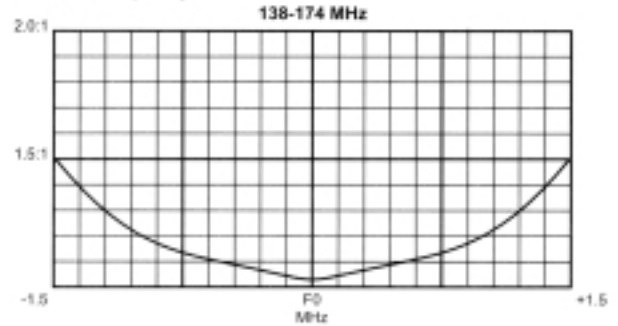
Appearance	Look-Alike OEM Antenna
Mounting	Front/Rear Fender
Finish	Black / Chrome
Height, inches	29 to 35
Frequency Range, MHz	30-50 / 150-174 406-512 / 806-960
VSWR	< 1.5 :1
Bandwidth, MHz	30-50 / 0.6 150-174 / 3.0 406-512 / 10 806-960 / 63
Power	30-512 / 150W 806-960 / 75W
Gain	Unity
Pattern	Omni
Connector	UHF, Mini-UHF, BNC, TNC
Cable	VHF / 17' RG-58/U UHF / 17' RG-8X 800-960 / 5' LMR-240

Specify Year, Make and Model of vehicle and both operating frequencies.

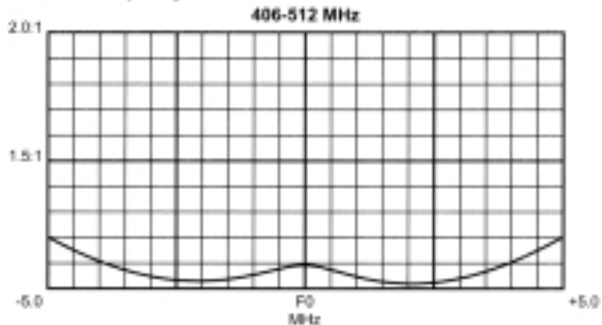
VSWR vs Frequency



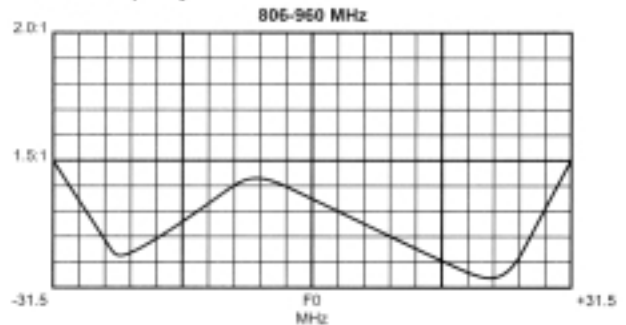
VSWR vs Frequency



VSWR vs Frequency



VSWR vs Frequency



DISGUISE

**For every model of Comprod disguised antenna, we can supply:**

**Broadcast Couplers** allowing for AM-FM broadcast receiver operation along with normal two-way mobile radio operation

**Crossband Couplers** allowing for mobile radios in two different bands to operate with a single disguised antenna

**Antenna Tuners** providing impedance matching and tuning of antenna to new frequencies

**Broadcast Coupler Specifications**

Model Number	Frequency Range	Insertion Loss		Max Power	Minimum Isolation
		Mobile	AM-FM / RX		
444-75	27-54MHz	0.15dB	1.5dB	150 Watts	35dB
445-75	138-174MHz	0.15dB	1.5dB	150 Watts	35dB
446-75	406-512MHz	0.15dB	1.5dB	150 Watts	35dB
447-75	806-960MHz	0.20dB	0.5dB	50 Watts	40dB

**Antenna Tuner Specifications**

Model Number	Frequency Range	Max Power	Impédance	
			Input 1	Input 2
461-75	144-174MHz	150 Watts	50 Ohms	10-700 Ohms
462-75	406-512MHz	150 Watts	50 Ohms	10-700 Ohms

**Crossband Coupler Specifications**

Model Number	Frequency Range		Insertion Loss	Minimum Isolation
	Low Pass	High Pass		
485-75	138-174MHz	406-512MHz	0.3dB	50dB
486-75	30-50MHz	138-174MHz	0.3dB	35dB
487-75	138-174MHz	806-960MHz	0.3dB	35dB

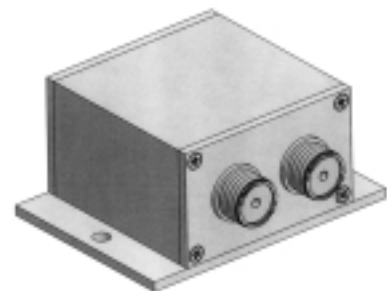
**DISGUISE**



**461-75**



**485-75**



**444-75**