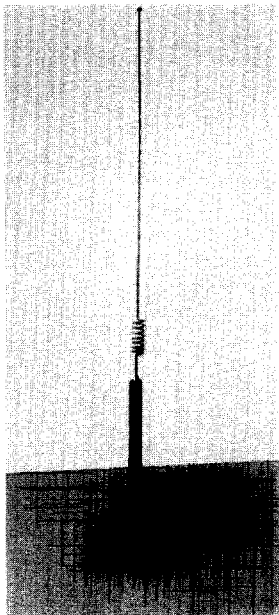


On-Window Antennas

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Dual Band (patented)



UHF/Cellular dual band

- Current fed design for better thru-glass signal transfer
- Unity gain cellular, 5 dB gain UHF
- No tuning interaction between the frequency ranges
- Compatible duplexer also available

A dual band antenna is the solution for customers requiring both a cellular and UHF radio connection. Mobile Mark offers a glass mount antenna with sleek lines and high performance. It is ideal for users who are unwilling or unable to drill a hole in their car.

The current-fed design, used on all of our On-Window antennas, is especially important in achieving a high quality thru-glass signal transfer at UHF frequencies. The result is clearer and more consistent communications, less need for maintenance adjustments, and fewer dropped calls.

The Mobile Mark On-Window Dual Band antenna is unique among dual band antennas in that there is no tuning interaction between the two frequency ranges. The cellular portion of the antenna comes from the factory pretuned, and the UHF portion can be tuned without affecting the cellular.

Frequency range selection is also eased by the fact that the antennas will operate on either harmonically or non-harmonically related frequencies. The vertical whip represents the UHF portion of the antenna and it is tuned by cutting the whip to the desired length. A cutting chart is supplied.

This attractive antenna is especially appropriate for undercover operations where a UHF antenna looks out of place but a cellular antenna does not. It measures a maximum of 26" long and contains a phasing coil in the center of the whip. The UHF section provides 5 dB gain and the cellular section provides unity gain.

A Dual Band Duplexer is available for coupling a phone and radio into the same antenna. It features very low insertion loss and a high 50 dB isolation factor.

Specifications - Dual Band Duplexer

Insertion Loss:	
400-500 MHz	0.3 dB
800+ MHz	0.5 dB
Isolation:	50 dB
Connector:	N Connector

Model Number

OW-450/900	UHF & Cellular
DBC-450/900	Dual Band Duplexer

Specifications

Frequency:	440-470 & 825-895 MHz	Whip Length:	26 in max (Cutting chart supplied)
Gain:	5 dB UHF, Unity Cellular	Whip Connection:	Lock nut
UHF Bandwidth@2:1:	20 MHz, tunable	Mount:	ABS Plastic 2 in x 3 in (5cm x 7.5cm)
Nominal Impedance:	50 ohms	Cable:	RG58/U, 15 ft (4.6m)
Maximum Power:	100 Watts	Connector:	Loose N Connector standard
Whip Material:	Copper plated 17-7 stainless steel with black chrome finish	Cable Connection:	Removable connector; panel jack at rear of transfer box with Mini-UHF connector
Style:	Field canceling decal		