

# UHF Glass Mount

## 400-520 MHz

### AP454 Series



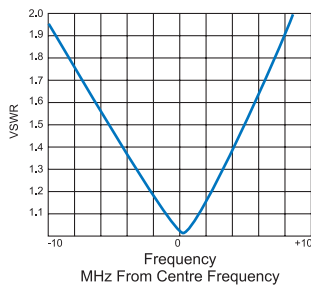
The AP454 Series is a third generation glass mount antenna for UHF applications. The AP454 features an unobtrusive interior mounted coupling box and a number of whip options.

#### Features:

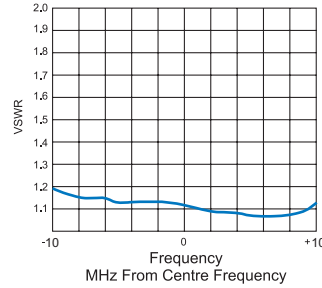
- Convenient - installation and tuning completed in minutes
- High gain options available
- Broadband - AP454-72-4G provides broadband 3dB gain across entire specified bandwidth



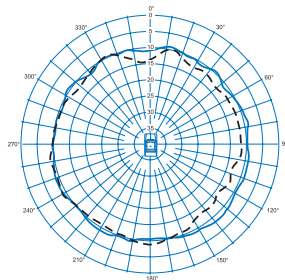
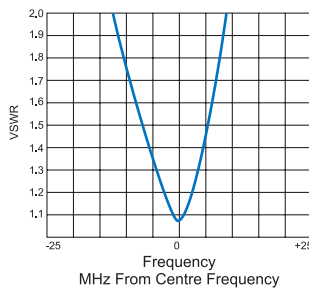
Typical VSWR response (AP454-5G)



Typical VSWR response (AP454-72-4G)



Typical VSWR response (AP454-3G)



The radiation pattern for the AP454-3G, while clearly a compromise in performance over a 1/4 wave whip, remains a much better option in the UHF band than a mis-applied antenna. The nulls in the pattern shown are largely due to the placement of the antenna slightly below the vehicle roof line.

TEST FREQUENCY: 460 MHz  
 REFERENCE ANTENNA  
 MODEL: SW7  
 MOUNT: MB10 Roof Centre  
 TEST ANTENNA  
 MODEL: AP454.3G  
 MOUNT: Glass Mount  
 Rear Window

#### WHIP OPTIONS

- AP454-3G - end fed 1/2 wave
- AP454-xx-5G - 5/8 over a 1/2 wave collinear
- AP454-72-4G - end fed 5/8 wave

#### Electrical

Model Number	AP454-3G	AP454-65-5G	AP454-70-5G	AP454-71-5G	AP454-72-4G
Gain	Unity over a 1/4 wave	Unity or 3dB over a 1/4 wave			Unity or 2dB over a 1/4 wave
Frequency MHz	403 - 520	400 - 420	450 - 470	470 - 500	500 - 520
Power W	100				
Tuned Bandwidth	12 MHz @ <1.5:1 VSWR	10 MHz @ <1.5:1 VSWR			Entire specified band @ <1.5:1 VSWR
Tuning	Field tune to minimum VSWR				

#### Mechanical

Model Number	AP454.3G	AP454-xx.5G Series	AP454-72-4G
Whip Material	Stainless steel with black high gloss finish		
Whip Length mm	230	871	380
Mounting	Glass mount		
Cable and Connector	5.0m RG58C/U		