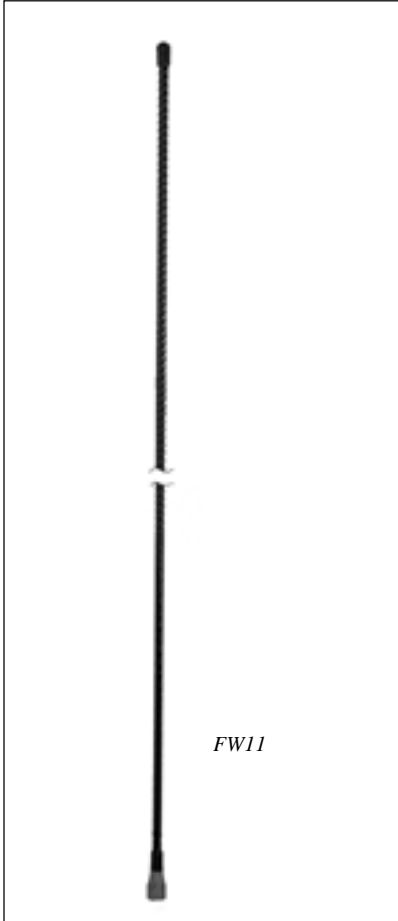


# 2.5 dB Gain Roof Mount Antennas

## 70-108 MHz

### FW11 Series



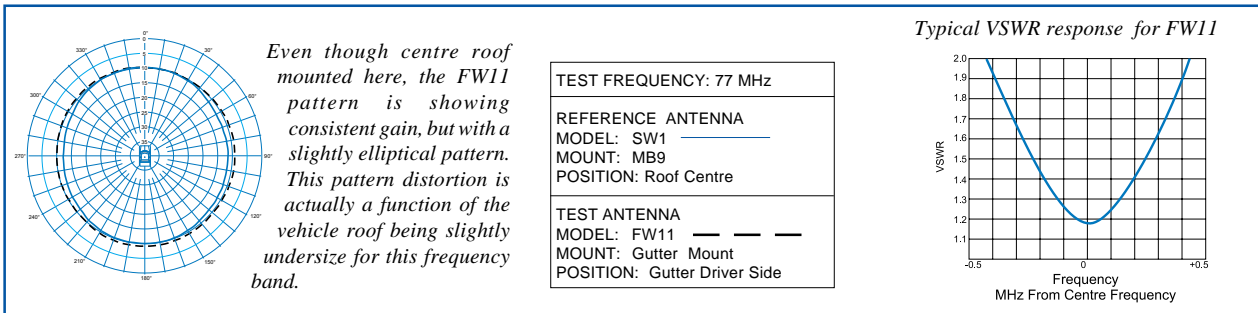
The FW11 is a fibreglass 2.5dB gain roof mount antenna which provides the highest gain available in this frequency band. The gain and performance of this antenna make it ideal in areas with low or inconsistent signal strength.

The antenna is a helically wound 5/8 wave (electrically 3/4 wave) constructed on a tapered fibreglass blank. The antenna windings are of copper wire and are covered in UV stabilised black heat shrink. The windings of the antenna are varied in pitch over its length, with the maximum current points of the antenna (i.e. the most effective radiating portion) elevated as high above the mounting point as possible. By elevating this high current point well above the feed point, the FW11 is able to overcome, to a large degree, the degradation which would otherwise be expected due to cabin shielding when fender mounted.

It is important to note the narrow operating bandwidth of this antenna limits its use to single frequency simplex applications.

The antenna is supplied to be tuned over its entire operating band. The antenna must be tuned in its installed position for minimum VSWR, with tuning quite critical due to the inherently high Q of the antenna. It fits standard VHF mounting bases, such as the MB9 and can utilise the full line of accessories and fittings which are offered with this range.

- High Gain - 2.5dB gain for superior performance
- Ideal in areas with low or inconsistent signal strength
- End fed 3/4 wave in a 5/8 wave package



### Electrical

Model No.	Gain (dB)	Frequency (MHz)	Power (Watts)	Tuned Bandwidth	Tuning
FW11	2.5	70-85	50	0.5 MHz @ 1.5:1 VSWR	Field tune to minimum VSWR
FW11-28		81-88			
FW11-29		89-108			

**MOUNTING TIP**  
This large antenna should not be used with magnetic mount bases.

### Mechanical

Model No.	Whip Material	Whip Length (mm)	Suggested Mounting	Cable and Connector
FW11	Copper wound fibreglass with black heat shrink	1550	MB9, MB10 or MB12 bases may be used	Not supplied, order separately
FW11-28				
FW11-29				