

### 02623I - 4.5dB S/Steel Mobile High Gain Roof Mount Antenna

#### Description

The 02623I antenna, is 4.5 dB Gain, Roof Mount Antennas covering all UHF commercial Mobile Radio Bands. The 02623I antenna offer a genuine 4.5 dB of gain on the horizon across the whole designated band of operation. All antennas are designed for optimum performance on the 02740 UHF mobile base and cover the entire respective designated bands of operation under 1.5:1 VSWR.

The polished Stainless Steel construction ensures robust and flexible finish.

#### Applications

Mobile coverage for the UHF Commercial Radio Bands.

#### Construction

Spring Hardened Polished Stainless Steel.

Chromed Brass ferrule to suite standard Benelec 5/16 26 TPI base (Model 02740).

#### Specifications

##### Electrical

Model	Frequency MHz	*Gain (dB)	Tuned Bandwidth	Operating VSWR	Input Impedance	Vertical Beamwidth	Horizontal Beamwidth
02623I	470 - 490	4.5	21 MHz	<1.5:1	50 ohms (Nominal)	15 Deg	Omni

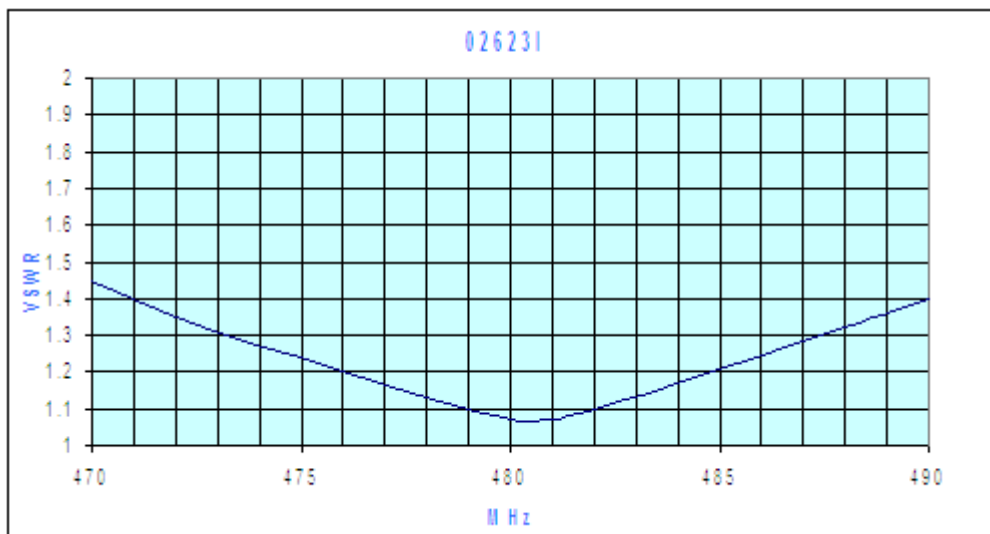
\* Gain over 1/4 Wave mounted on ground plane.

##### Mechanical

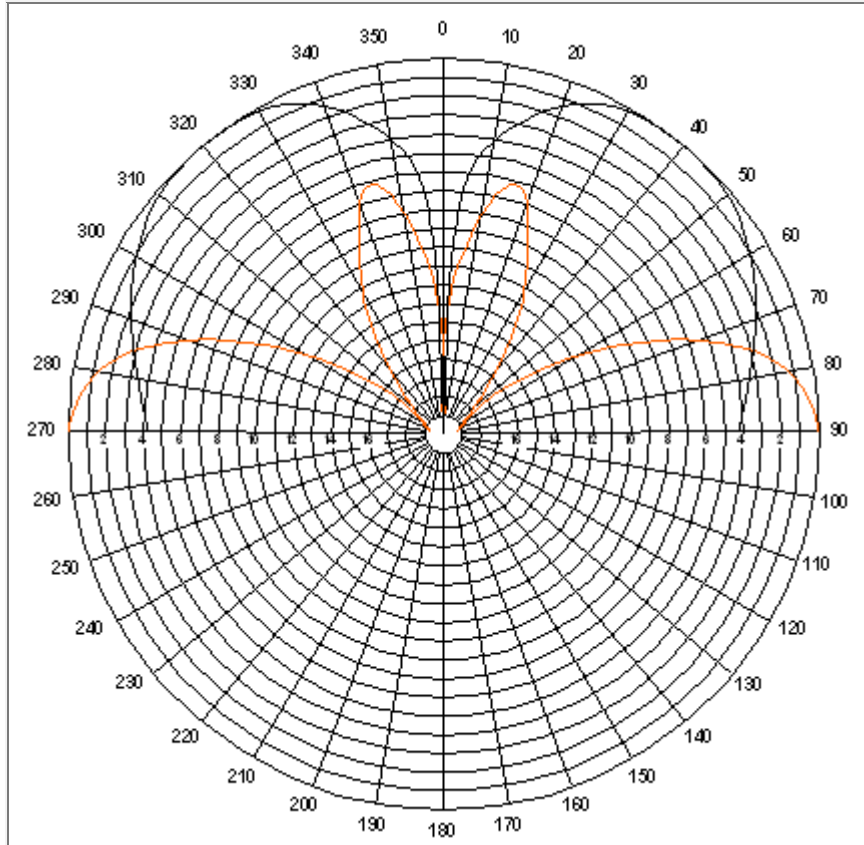
Model	Construction	#Length (m)	Width (m)	#Weight (kg)	Termination	Projected Area	Wind Loading @160 KPH
02623I	High Gain S/Steel whip top.	0.670	0.0025	0.068	5/16" 26 TPI Female Thread	Not Applicable	Not Applicable

# Maximum at 400 - 420 MHz Band.

#### VSWR



## Radiation Pattern



3 DB E Plane Beamwidth: 15 Deg

Frequency: 400 - 520 MHz

Gain: 4.5 dB (Gain over 1/4 Wave)

[Dwg 575] [Rev 01]