

23cm Band HIGH PERFORMANCE Radialless Mobile Whip Antenna

Fold over whip structure

DIAMOND
ANTENNA

NR124N

OPERATING INSTRUCTIONS

Description

1. The antenna employs radialless structure which does not require any ground.
2. Rigid 17-7 PH stainless steel is used for upper element and suitable diametrical stainless steel element is used for lower element to balance the antenna and to avoid undesirable QSB or sensitivity changes caused by element vibration.
3. The fold over whip structure enables the antenna to be tilted for any direction with a touch of the finger tips. It also eliminates troublesome antenna removal when your car is parked in a garage.
4. The antenna is designed to go well with refined contemporary and future car design.

Adjustment

The antenna is factory adjusted at around the center frequency of the 23cm band and does not require any adjustment in normal use. If readjustment of the center frequency is required, it can be changed by putting lower whip element in and out from the tiltable whip element structure section with reliable vswr or in-line power meter. The element can be adjusted by loosening two set screws and put upper element in and out to adjust the antenna to the desired frequency and then fasten the screws to fix the element.

To tilt the antenna

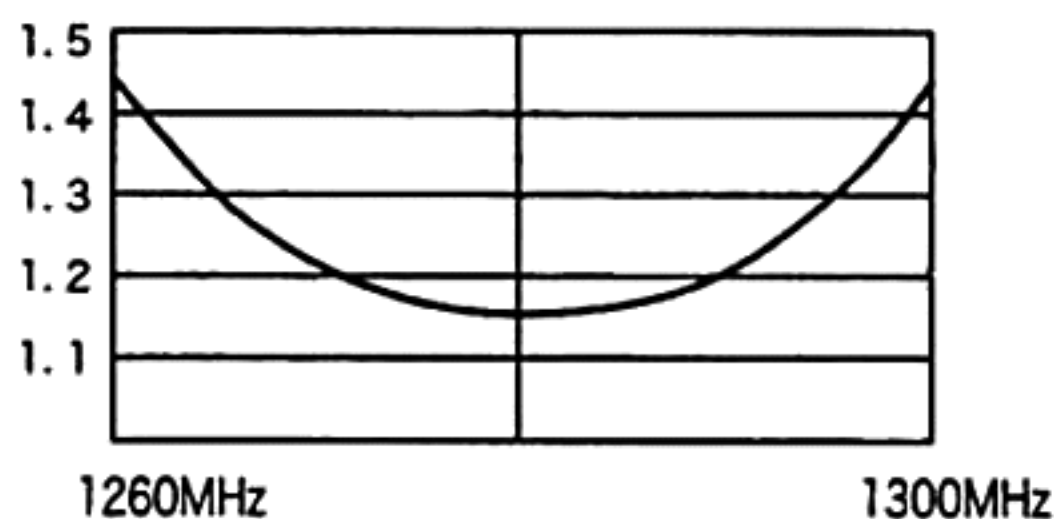
In order to tilt the antenna for parking your car in a garage and so on, pull the element at the tiltable whip element structure section and tilt it for desired direction.

Do not drive the car with the antenna tilted for safety purpose.

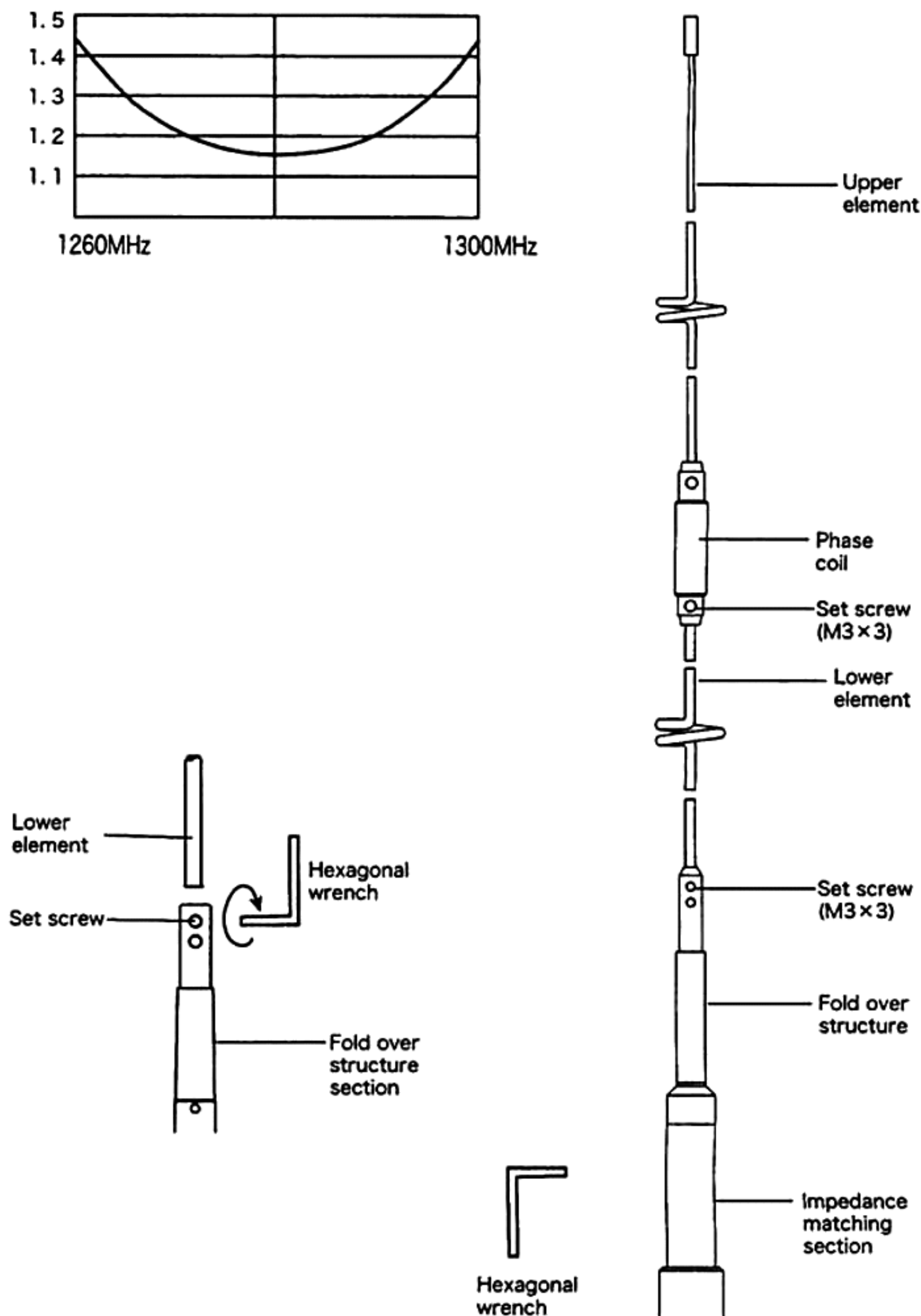
Note

Since set screws of the antenna may be loosened by vibrations during driving, especially when the antenna is new, be sure to fasten the screws after several drives.

VSWR charts



Part name



Specifications

Frequency	: 1260-1300MHz
Gain	: 8.4dBi
Max. power rating	: 50W
Impedance	: 50ohms
VSWR	: Less than 1.5:1
Length	: 0.72m(28.3")
Weight	: 130g(0.287lbs.)
Connecter	: N
Type	: 5/8 wave four-element radialless