

The logo for iMobile Antenna features a stylized orange swoosh above the word "iMobile" in a bold, blue, sans-serif font. Below "iMobile" is the word "Antenna" in a smaller, black, sans-serif font.

iMobile

Antenna

Available at:
www.wirelessource.ca

1 (866) 244-4844

The logo for Wireless Source features a blue swoosh above the word "wireless" in a bold, blue, sans-serif font. Below "wireless" is the word "source" in a bold, orange, sans-serif font.

wireless
source

May 2023

**The quality you expect
at the price you want to pay**





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Field Tunable Antenna

Model: 18-302 VHF

1/4 Wave Unity Gain Field Tunable

Features

- Covers 136 - 900 MHz
- All stainless steel 17-7 radiator
- Chrome plated over brass ferrule
- Fits 3/4 "NMO" style mounts
- 24 Kt gold plated spring loaded contact



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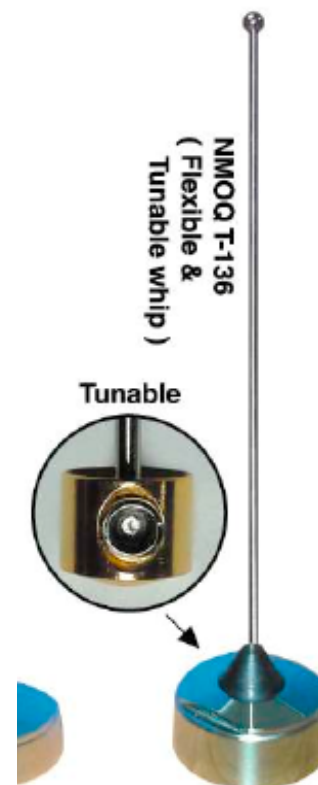
Field Tunable Antenna NMO Brass Nut Type

Model: 18-NMOQ-T136 VHF

1/4 Wave Unity Gain Field Tunable

Features

- ***Covers 136 - 174 MHz***
- ***Low Profile Wide Band***
- ***Gold Plated Push Pin Contact***
- ***Fits 3/4 "NMO" style mounts***
- ***Wip Lenght 511x1.56 m/m***



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Wide Band Antenna

Model: 18-306 VHF
Wideband Unity Gain

Features

- 1/4 wave
- Covers 136-540 MHz
- 2.5 MHz bandwidth
- Solid 17-7 linear radiator w/ corona suppression
- 24 Kt gold plated spring loaded connector
- Stainless steel shock spring supplied
- Max total length 22"



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Wide Band Antenna

Model: 18-148 VHF ** DETAILED SPECIFICATION ON NEXT PAGE

Wide Band 1/2 Wave, No Ground Plane Antenna

Features

- Covers 136-174 MHz
- 20 MHz Bandwidth
- 100 Watt power capacity
- Fits NMO mount
- 2.5 dBi gain
- VSWR less than 2.0:1

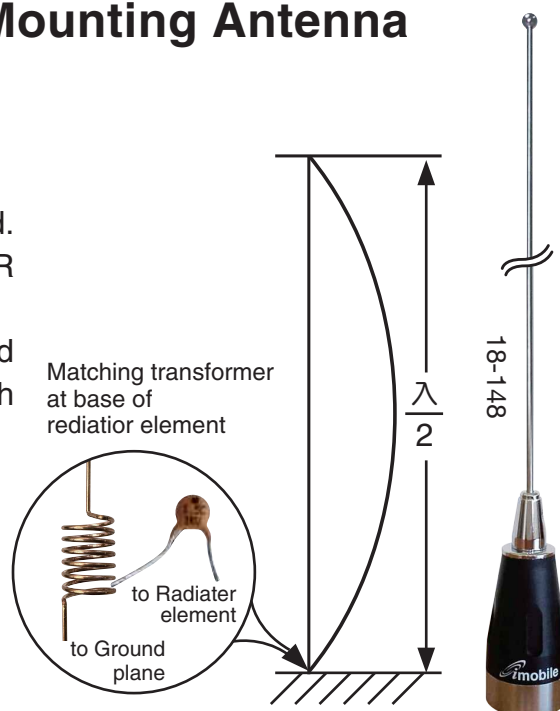


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18-148 High Performance VHF 1/2 Wave Tuned & Pre-tuned Ground & No Ground NMO Mounting Antenna

Product Features:

- 2.4 dB with ground plane and unit gain with no ground.
- Excellent matching transformer for getting best VSWR and wider bandwidth.
- DC ground structure – Radiator element is grounded direct to current, which protect radio equipment from high voltage caused by thunder lightning.
- 150 watts power rating
- NMO gold plated spring load push pin contact for better power transfer.
- O-ring seal at base.
- 17-7 stainless steel .118" (3mm) tapered whip.



Tuned by cutting chart

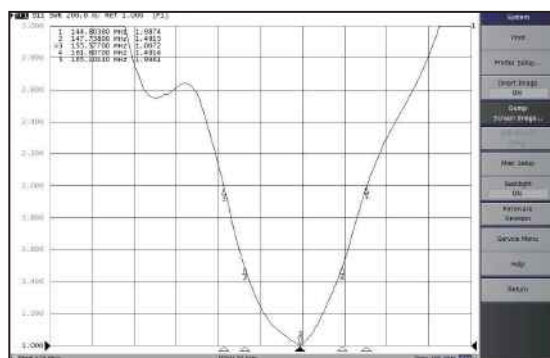
- Covering 133-180 MHz tunable by cutting chart
- VSWR < 1.2:1 over 4 MHz bandwidth
- VSWR < 1.5:1 over 12 MHz bandwidth
- Tall 46 1/2" (1180mm)



133-180 MHz VSWR vs. Freq.

Pre-tuned no cutting on 145-165 MHz

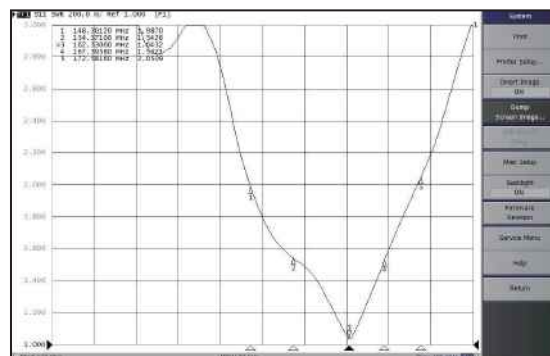
- VSWR < 2.0:1 over 20 MHz (145-165MHz)
 - VSWR < 1.5:1 over 14 MHz (148-162MHz)
 - VSWR 1.01:1 tuned at 155.5 MHz
 - Tall : 41 3/4" : (1060mm)
- Custom pre-tuned freq. range are available



145-165 MHz VSWR vs. Freq.

Pre-tuned no cutting on 150-170 MHz

- VSWR < 2.0:1 over 24 MHz (148-172 MHz)
- VSWR < 1.5:1 over 13 MHz (143.3-167.3 MHz)
- VSWR 1.03:1 tuned at 162.3 MHz
- Tall : 39 3/4" (1010mm)



150-170 MHz VSWR vs. Freq.



No Ground Plane Antenna

Model: 18-148-WB Wide Band VHF

- Gold Plated Push Pin Contact • 17-7ph Stainless Tapered Whip
- 200 Watts Power Rating • VSWR 1.2:1 max. @ Tuned

Features

Model	Frequency	Bandwidth	Whip Length
18-148-WB	136-174MHZ	30MHZ	54"x0.142" (3.6m/m)

6/8 Wave w/C Load No Ground Plane 4.1 dBd Gain No Tuning



** No Tuning needed. The antenna Bandwidth is 30 MHZ



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NMO Mount Antenna

Model: 18-342 VHF
Heavy Duty 3/4 NMO Style

Features

- Covers 136-175 MHz
- 5/8 wave 3dBi
- New die cast chrome coil
- Heavy duty 52" 17-7 tapered stainless steel whip
- Chrome plated brass ferrule
- Low loss dio-core NMO style mount with irradiated brass and 24kt gold connector



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Field Tunable Antenna

Model: 18-302 UHF

1/4 Wave Unity Gain Field Tunable

Features

- Covers 136 - 900 MHz
- All stainless steel 17-7 radiator
- Chrome plated over brass ferrule
- Fits 3/4 "NMO" style mounts
- 24 Kt gold plated spring loaded contact



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Multi-band Pre-tuned NMO Gain Antenna



Features

- Heavy duty and high performance design
- No tune, broad band, multiband coverage
- Solid aluminum housing with black powder coating
- Injection molded solid brass and high-impact ABS base
- Stainless steel spring with black chrome plated
- Black chrome plated 17-7 ph stainless steel whip 18-TM136

Electrical Specifications

- Frequency range : 136-174, 380-520, 698-960 MHz
- VSWR : < 2.0:1
- Power capacity : 160 watts
- Radiator housing : Black solid aluminum
- Gain : 136-174: Unit., 380-520: 3dB, 698-960: 5dB

Mechanical Specifications

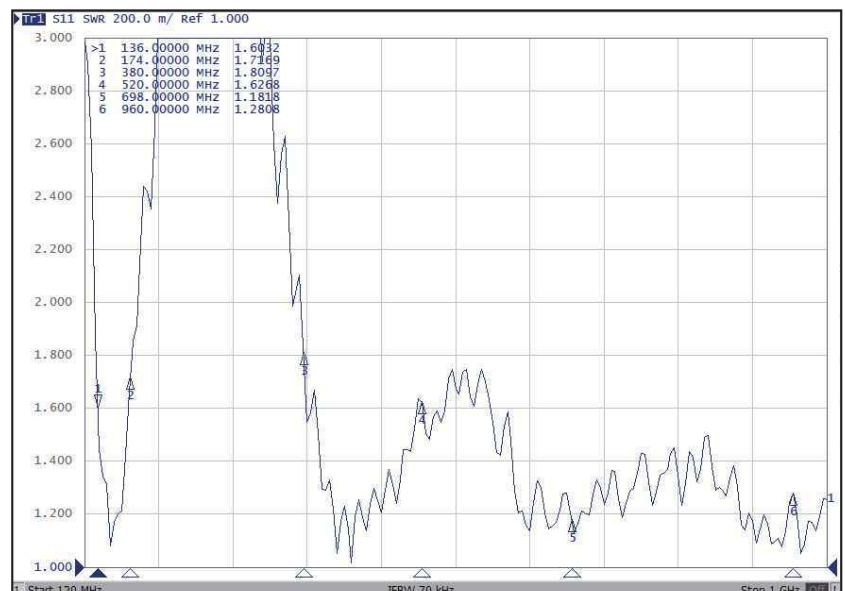
- Configuration :
TM-136 Base loading, TM-137 Base & Center loading
- Dimension and Weight :
TM-136 2-1/4" round base, 22-3/4" tall, 0.63 Kg
TM-137 2-1/4" round base, 22" tall, 0.66 Kg
- Contacts :
Gold push pin NMO 3/4" hole mount including O-ring and rubber boot in base

18-TM136

18-TM137



Tested by SATIMO SG24 Chamber
on 2ft round ground plane



Measured by KEYSIGHT Network Analyzer E5063A



Pre Tuned Antenna NMO Brass Nut Type

Model: 18-NMOQ-410 UHF

1/4 Wave Unity Gain

Features

- ***Covers 410 - 490 MHz***
- ***Low Profile Wide Band***
- ***Gold Plated Push Pin Contact***
- ***Fits 3/4 "NMO" style mounts***
- ***Wip Length 154x1.56 m/m***



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Wide Band Antenna

Model: 18-306 UHF
Wideband Unity Gain

Features

- 1/4 wave
- Covers 136-540 MHz
- 10 MHz bandwidth
- Solid 17-7 linear radiator w/ corona suppression
- 24 Kt gold plated spring loaded connector
- Stainless steel shock spring supplied
- Max total length 22"



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No Ground Plane Antenna

Model: UHF 18-4502 450-470 MHZ or 18-4062 400-430 MHZ
No Ground Plane Antenna

Features

- 450-470 (18-4502) / 400-430 (18-4062) MHz coverage
- 2.4 dBi
- 1/2 wave NMO style connector



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No Ground Plane Antenna

Model: 18-4505 UHF

No Ground Plane Antenna

Features

- 450-470 MHz coverage
- 5 dBi
- 5/8 wave NMO style connector



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No Ground Plane Antenna

Model: 18-4065 LOW UHF
No Ground Plane Antenna

Features

- *400-430 MHz coverage*
- *5 dBi*
- *5/8 wave NMO style connector*



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CB Antenna

Model: 18-353

High Efficiency CB Antenna

Features

- 49" 17-7 tapered stainless steel radiator
- High efficiency coil
- 3/4 NMO 24 Kt gold plated connector
- HDIE cast chrome, UV resistant housing



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Hole Mounts

Model: 18-313 (available with stranded or solid core cable)
3/4" Hole Mount

Features

- 17' of deluxe coaxial cable included
- Solid brass, NMO style mount w/ 24 Kt gold plated
- 1/2 wave NMO style connector



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Magnet Mount

Model: 18-317

Deluxe 3/4" Magnet Mount

Features

- New rust-proof zinc housing in black
- 24 Kt gold plate connector
- New 8-pole magnet design for superior holding and capacity coupling
- Supplied with 17' of deluxe coaxial cable
- *Available with PL259 / MPL / FME / BNC Connector*



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Magnet Mount

Model: 18-318

Deluxe 3/4" Magnet Mount

Features

- New rust-proof zinc housing with chrome plating
- 24 Kt gold plate connector
- New 8-pole magnet design for superior holding and capacity coupling
- Supplied with 17' of deluxe coaxial cable
- Available with PL259 / MPL / FME / BNC Connector



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Magnet Mount

Model: 18-200

Rubber Boot Protected Magnet Mount

Features

- 3 5/8" zinc housing with 3/4" fully sealed NMO
- Rubber boot
- Color: black
- Connector: PL259



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5" Mag MOUNT

Model: 18-320N
5 "Mag Mount

Features

- NMO" style mounts
- 17-FT RG58 Coax, with PL259 Connector
- 13 ounces powerfull magnet
- 5 inches high impact plastic
- Rubber Boot



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Mounting Bracket

Model: 18-RV4N
Mounting Bracket

Features

- *1/8 " thick stainless NMO mount*
- *17' RG 58 cable*
- *Connector: PL259 or BNC*



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TRUNK MOUNT MOUNTING KIT

Model: 18-GL314NB
Black Trunk Mount Kit

Features

- NMO" style mounts
- 17-FT RG58 Coax with PL-259 Connector
- Stainless steel bracket
- Fit up to 6 or 10 mm surface option



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Mirror Mount

Model: MM-17

Stainless Steel Mirror Mount for CB Antennas

Features

- Stainless steel mount and bolt
- 17 ft RG 58 A/U stranded coax w/ PL259
- 3/8"-24 thread stud for standard CB antenna



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Base Station Antenna

Model: 18-GP

Base Station Ground Plane Kit

Features

- Includes mounting hardware and ground radials to make a mobile antenna into a ground plane base station
- 200 watts power rating
- 100 mph (48/sec) wind load
- Easy installation on any 2" pole or pipe
- 52 cm of radial length



GP-1
UHF female to UHF female



GP-2
NMO to N female



GP-3
NMO to UHF female



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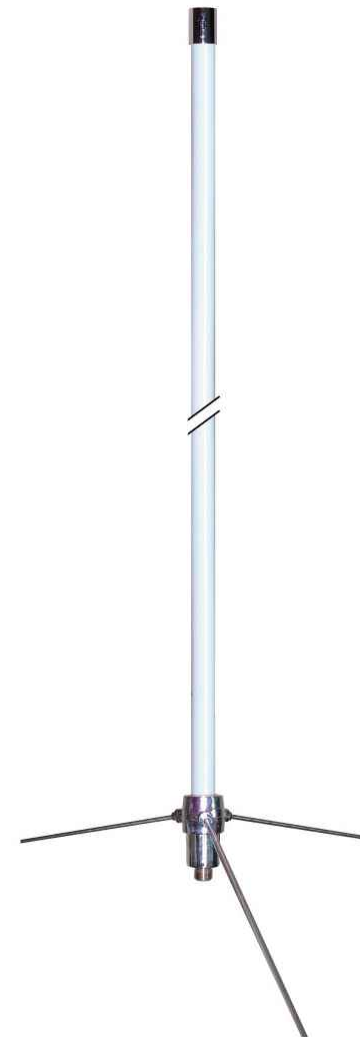
Commercial Station

Model: BF-134 VHF

High Performance Fiberglass Commercial Station Antenna

Specifications

- Frequency: 134-184 MHz w/ adjusting chart
- Gain: 4.5 dB
- Power rating: 200W
- Type: 5/8 wave
- Connector: UHF female
- Radial length: 52cm
- Mast dia. accepted: 30-62 mm
- VSWR: 1.5:1 or less
- Impedance: 50 ohm
- Polarization: vertical
- Length: 1.47m
- Wind load: 60m/sec (135mph)
- DC ground: Yes



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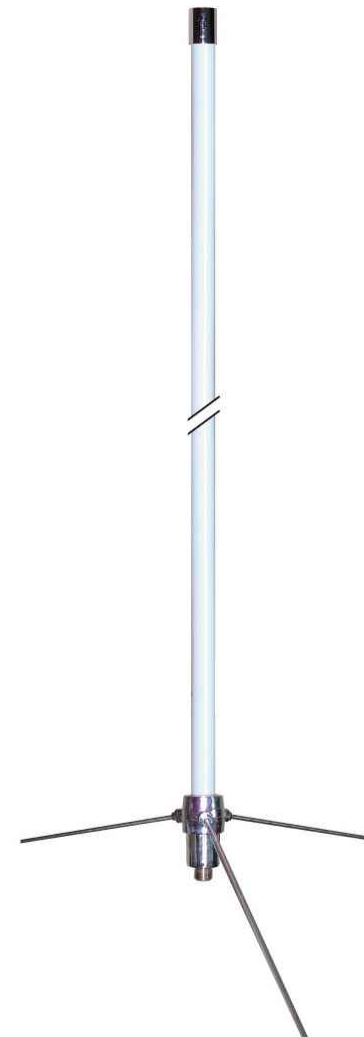
Commercial Station

Model: BF-406 UHF

High Performance Fiberglass Commercial Station Antenna

Specifications

- Frequency: 406-512 MHz w/ adjusting chart
- Gain: 6.5 dB
- Power rating: 200W
- Type: 3x5/8 wave
- Connector: UHF female
- Radial length: 17cm
- Mast dia. accepted: 30-62 mm
- VSWR: 1.5:1 or less
- Impedance: 50 ohm
- Polarization: vertical
- Length: 1.62m
- Wind load: 60m/sec (135mph)
- DC ground: Yes



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Antenna Components

Model: 18-319

Rain / Water Protector Cover

Protects 18-313, 18-316, and 18-318 mount when whip is removed



Model: 18-314

Relief Spring

For 18-300 series



Model: RM-1

Nylon ratchet mount w/ 1"-14 thread



Model: 18-3120

3/4" NMO Mount

- Unit supplied without cable
- Irradiated brass construction
- 24 Kt gold plated connection tang and solder lug



Model: 18-L

Stainless Steel L-style bracket
for trunk or hood lip mount



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imobile Connector

BNC



[18-7001](#)
BNC Male Crimp

UHF



[18-7501](#)
UHF Male Crimp



[18-7503](#)
UHF Connector



[18-7061](#)
Double BNC Female

MINI UHF



[18-7001](#)
BNC Male Crimp

TNC



[18-7401](#)
TNC Male Crimp



[18-7601](#)
MINI UHF Male Crimp



[18-7443](#)
TNC Male to UHF Female



[18-7603](#)
MINI UHF Female Crimp

N Type



[18-7301](#)
N Male Crimp



[18-7610](#)
MINI UHF Male to UHF Female



[18-7329](#)
N Male to UHF Male



[18-7614](#)
MINI UHF Female to UHF Male

SMA



[18-7801](#)
SMA Male Crimp

FME



[18-8004](#)
FME Male to MINI UHF Male