

Antenna Gain Information:

(Source: Motorola Iridium, Satellite Series, Accessory brochure)

Portable Auxiliary Patch

Frequency (MHz)	Maximum Antenna Gain (dBi)	Est. Minimum Cable Loss (dB)	Net Gain	Transmit Conducted Power Out (dBm)	EIRP (W)
1616 - 1626	0.5	0.4	+0.1	28.1	0.66

Mobile Magnetic Mount

Frequency (MHz)	Maximum Antenna Gain (dBi)	Est. Minimum Cable Loss (dB)	Net Gain	Transmit Conducted Power Out (dBm)	EIRP (W)
1616 - 1626	1.0	1.3	-0.3	28.1	0.60

Fixed Site Helix

Frequency (MHz)	Maximum Antenna Gain (dBi)	Est. Minimum Cable Loss (dB)	Net Gain	Transmit Conducted Power Out (dBm)	EIRP (W)
1616 - 1626	1.5	1.8	-0.3	28.1	0.60

antennas

PORTABLE AUXILIARY ANTENNA

From one car to another, our compact pocket-sized antenna with convenient magnetic mount goes with you in virtually every vehicle you may occupy to provide improved reception.

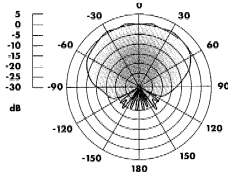
- Diameter: 5.5 cm (2.2 inches)
Height: 1.4 cm (.6 inches)
Weight: 83.6 grms (6.4 ounces)
- Use with the Motorola Satellite Series™ 9500 portable phone.
- Ceramic patch antenna offers reliable coverage in a magnetic mount package.
- Attached 1.5-meter cable.
- Must have large metallic surface to mount antenna.*
- Requires Antenna Adapter, shown in this brochure.
- Operating temperature: -40° to +70° C

*Requires horizontal, relatively flat, metallic mounting surface (auto rooftop) minimum 26 centimeters (10 inches) from all edges, centered for optimal performance.

CONNECTOR:	TNC FEMALE
IMPEDANCE:	50 OHMS
VSWR:	LESS THAN 2:1
FREQUENCY:	1616 TO 1626.5 MHZ
POLARIZATION:	RIGHT HAND CIRCULAR
AXIAL RATIO:	4 dB MAXIMUM
RADIATION PATTERN:*	0.5 dB ZENITH TO 20° 0.0 dB 20° TO 40° -0.5 dB 40° TO 60° -3.0 dB 60° TO 80°

*with 1.5 meter cable

DIAGRAM OF
RADIATION PATTERN:



MOBILE MAGNETIC MOUNT OR MOBILE PERMANENT MOUNT ANTENNA

Versatile, larger antennas that deliver improved reception over our Portable Auxiliary Antenna and offer dual mounting options for more permanent installations.

- Diameter: 8.9 cm (3.5 inches)*
Height: 2.2 cm (.85 inches)*
Weight: 405 grms (14.3 ounces)*
- Choose either mobile magnetic mount which uses magnets to secure antenna to large metallic surface on vehicle rooftop** or mobile permanent mount which requires a 1.6 cm (.625 inch) diameter hole in the vehicle rooftop to secure and bolt antenna.
- Connects to either Motorola Satellite Series 9500 Portable Phone*** 9520 Mobile Phone or 9750 Portable Dock for in-vehicle communications.
- Attached 5-meter cable.
- Operating temperature: -40° to +70° C

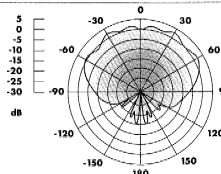
*These dimensions and weights do not include mounting bracket.

**Requires horizontal, relatively flat, metallic mounting surface (auto rooftop) minimum 26 centimeters (10 inches) from all edges, centered for optimal performance.

***Antenna Adapter required

CONNECTOR:	TNC FEMALE
IMPEDANCE:	50 OHMS
VSWR:	LESS THAN 2:1
FREQUENCY:	1616 TO 1626.5 MHZ
POLARIZATION:	RIGHT HAND CIRCULAR
AXIAL RATIO:	15 dB MAXIMUM
RADIATION PATTERN:	1.0 dB ZENITH TO 40° 0.5 dB 40° TO 70° -0.5 dB 70° TO 80°

DIAGRAM OF
RADIATION PATTERN:



YOU WANT IMPROVED RECEPTION...

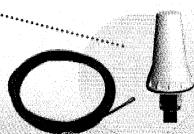
IF YOU HAVE:
MOTOROLA SATELLITE SERIES
9500 PORTABLE PHONE

YOU'LL NEED:

Choose from options A,B,&C (at right)



OPTION A:
Antenna Adapter &
Portable Auxiliary Antenna

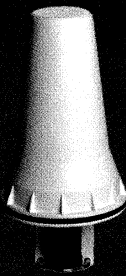


OPTION C:
Antenna Adapter, Cable Kit & Fixed Mast Antenna



OPTION B:
Antenna Adapter &
Mobile Magnetic Mount
or Mobile Permanent
Mount Antenna

MOTOROLA ORIGINAL SATELLITE SERIES ACCESSORIES



FIXED MAST ANTENNA

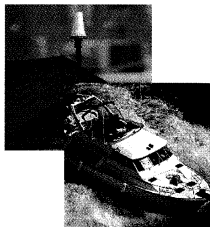
MOTOROLA



ANTENNA ADAPTER

For use with Motorola Satellite Series 9570 Portable Dock, 9500 Portable Phone or 9520 Mobile Phone to deliver exceptional reception performance for permanent in-building or marine applications when no ground plane is available.

- Diameter: 8.3 cm (3.3 inches)
Height: 18.7 cm (7.4 inches)
Weight: 181 grms (6.3 ounces)



- Mounting bracket requires .75 inch to 1 inch diameter pole.

- Hermetically sealed to withstand harsh nautical environments.

- Requires 10 meter or other custom length cable. (Purchased separately. See recommended cables and lengths on the following page.)

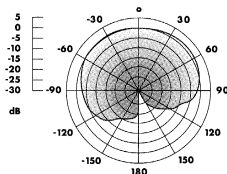
- Operating Temperature: -58° to +85° C

Provides the external connection for your Motorola Satellite Series 9500 Portable Phone and to any of your optional Motorola antennas. One more way Motorola optimizes the performance you want in making global connections.

- One adaptor that's compatible with any of the antenna mounts shown here: the Portable Auxiliary Antenna, Mobile Magnetic Mount Antenna, Mobile Permanent Mount Antenna or the Fixed Mast Antenna (cable kit ordered separately).
- Uses a TNC connector to connect to antenna cable.

CONNECTOR:	TNC FEMALE
IMPEDANCE:	50 OHMS
VSWR:	LESS THAN 2:1
FREQUENCY:	1616 TO 1626.5 MHZ
POLARIZATION:	RIGHT HAND CIRCULAR
AXIAL RATIO:	4 DB MAXIMUM
RADIATION PATTERN:	0.5 dB ZENITH TO 40°
	1.5 dB 40° TO 70°
	0.5 dB 70° TO 80°
	0.0 dB 80° TO 90°
	-2.0 dB 90° TO 110°

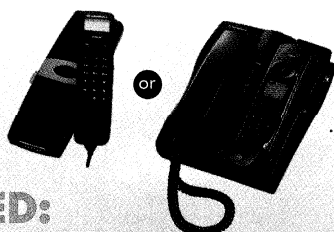
DIAGRAM OF RADIATION PATTERN:



IF YOU HAVE:
MOTOROLA SATELLITE SERIES
9520 MOBILE PHONE OR
9570 PORTABLE DOCK

YOU'LL NEED:

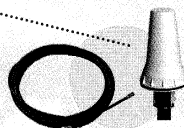
Choose from options A & B (at right)



Phone sold separately.



OPTION A:
Mobile Magnetic Mount
or Mobile Permanent
Mount Antenna



OPTION B:
Cable Kit & Fixed Mast Antenna