



ANTENNA TECHNOLOGIES LIMITED COMPANY

# Model SMP-101 R/T HF/LVHF Broadband Antenna

## Key Features

- For receiving, the use of a tuneable matching network is eliminated.
- Large bandwidths are available instantly, resulting in broadband antennas which are much more reliable and less expensive than active receive antennas.
- HF broadband antennas feature reduced physical size. By using multiple network radiating techniques and a slow wave structure, significant electrical foreshortening has been achieved.



Specifications	SMP-101 R/T
Frequency Range MHz	1.0 to 70
Antenna Type	Monopole (Whip)
VSWR	3.5:1 (max), 2.5:1 (typical)
Impedance	50 Ohms (nominal)
Radiation pattern	Omnidirectional
Connector	N Type, Female
RF Power	100 Watts CW
Polarization	Vertical
Height	7 Feet
Diameter	2 inches
Mounting Flange	7 inches
Weight	11 Pounds

Frequency	dBi
1.0 MHz	-48 dBi
3.0 MHz	-40 dBi
6.0 MHz	-30 dBi
10.0 MHz	-21 dBi
13.0 MHz	-17 dBi
16.0 MHz	-12 dBi
30.0 MHz	-5 dBi
40.0 MHz	0
50.0 MHz	-0.7 dBi
60.0 MHz	-2.5 dBi
70.0 MHz	-7.2 dBi