

Two black, cylindrical antennas are shown vertically, one on the left and one on the right. They have a smooth, matte finish and a slightly wider base. The antenna on the right has a silver-colored metal connector at its base, which is partially obscured by the text box.

Unleash Unmatched Connectivity and Ultimate Durability!

These antennas represent significant advancements in technology, offering remarkable increases in bandwidth and data transmission capabilities.

Leaders in Gas Detection Since 1983, WireFree Since 2005

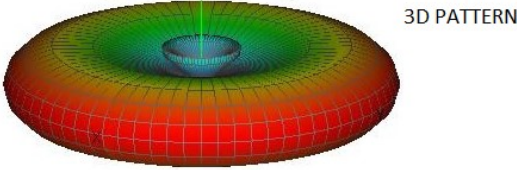
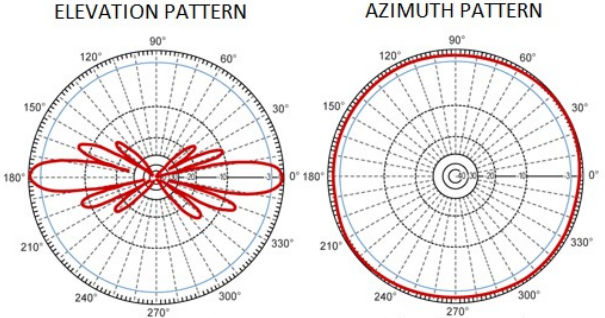
Made in the United States of America

50 Ohm Collinear Dipole Antenna

This high-performance antenna offers a bandwidth increase of over 300% compared to any mono antenna. With a standard gain of nearly 5 dBi, it can transmit and secure data over distances previously unattainable by standard dipole antennas. Its exterior is made from environmentally stable and RF invisible HDPE, which is UV resistant, weather-proof, and resistant to many chemicals.



Radiation Patterns



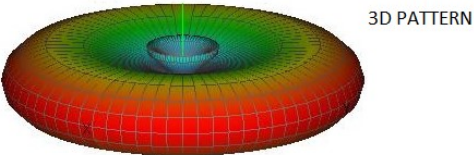
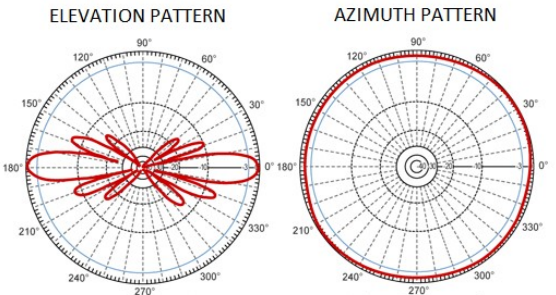
Antenna Description	Dimensions
2.4GHz Straight N male Brass/ Nickle connector	4-3/8" Long x 3/4" Diameter
2.4GHz 90 Degree N male Brass/ Nickle connector	4-3/8" Long x 3/4" Diameter
2.4GHz Straight N male SST connector	4-3/8" Long x 3/4" Diameter
2.4GHz 90 Degree N male SST connector	4-3/8" Long x 3/4" Diameter

Band Width: From 2.1GHz to 2.70 GHz
VSWR: Over the Band Width < 1.2:1
Impedance: 50 Ohms

50 Ohm Flexible Dipole Antenna

The Flexible Dipole Antenna, crafted by a renowned leader in antenna technology, offers a remarkable bandwidth increase of over 300% compared to any mono antenna. With a standard gain of nearly 5 dBi, it can transmit and secure data over distances previously unattainable by standard dipole antennas. Its exterior is made from environmentally stable and RF invisible PE, which is UV resistant, weatherproof, and resistant to many chemicals. Designed to withstand the harshest environments, this antenna is built tough for ultimate durability.

Radiation Patterns

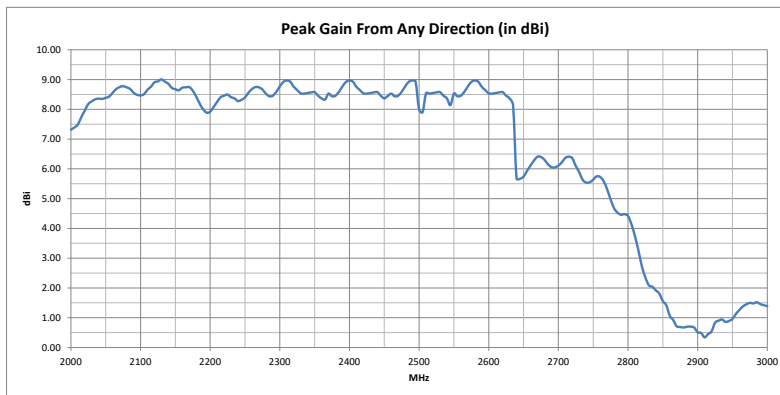
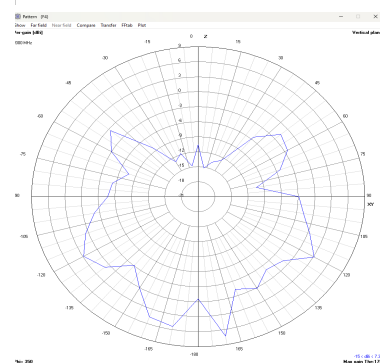
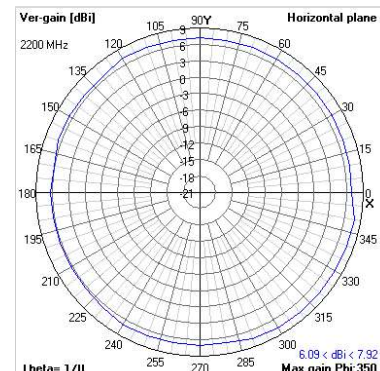
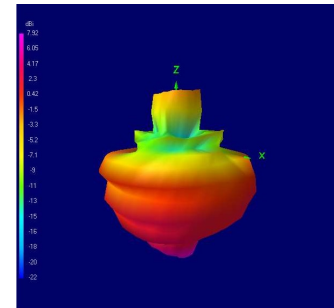
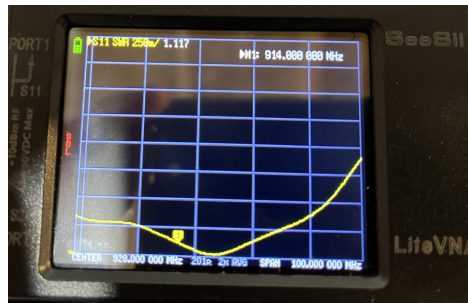


Antenna Description	Dimensions
915MHz Straight N male Brass/Nickle connector	7-3/8" Long x 3/8" Max Diameter
915Hz 90 Degree N male Brass/Nickle connector	7-3/8" Long x 3/8" Max Diameter
915MHz Straight N male SST connector	7-3/8" Long x 3/8" Max Diameter
915MHz 90 Degree N male SST connector	7-3/8" Long x 3/8" Max Diameter

Band Width: From 852MHz to 978 MHz
VSWR: Over the Band Width < 1.2:1
Impedance: 50 Ohms

50 Ohm Folded Collinear Dipole Antenna

The innovative Folded Collinear Dipole Antenna (Patent Pending) represents a significant advancement in antenna technology. It offers an impressive bandwidth increase of over 500% compared to any mono or dipole antenna. With a standard gain exceeding 9 dBi, it can transmit and secure data over distances previously unattainable by standard dipole antennas. The antenna's exterior is made from environmentally stable and RF invisible HDPE, which is UV resistant, weatherproof, and resistant to many chemicals.



Antenna Description	Dimensions
900MHz Straight N male Brass/Nickle connector	17-3/8" Long x 3/4" Diameter
900MHz 90 Degree N male Brass/Nickle connector	17-3/8" Long x 3/4" Diameter
900MHz Straight N male SST connector	17-3/8" Long x 3/4" Diameter
900MHz 90 Degree N male SST connector	17-3/8" Long x 3/4" Diameter

Band Width: From 885MHz to 9.75MHz

VSWR: Over the Band Width < 1.2:1

Impedance: 50 Ohms

Antenna Specifications

Frequency	Type of Antenna	Length	Gain	Description
2.4GHz	FCDP(PAF)	7.75"	9dBi	Folded Collinear Dipole N female straight
5GHz	FCDP(PAF)	5.5"	9dBi	Folded Collinear Dipole N female straight
2.4GHz	FCDP(PAF)	7.75"	9dBi	Folded Collinear Dipole N female angled
5GHz	FCDP(PAF)	5.5"	9dBi	Folded Collinear Dipole N female angled
868MHz	Dipole	8"	4.5dBi	Dipole N female straight
900MHz	Dipole	8"	4.5dBi	Dipole N female straight
2.4GHz	Dipole	4"	4.5dBi	Dipole N female straight
868MHz	Dipole	8"	4.5dBi	Dipole N female angled
900MHz	Dipole	8"	4.5dBi	Dipole N female angled
2.4GHz	Dipole	4"	4.5dBi	Dipole N female angled
900MHz	Flex Dipole	8"	4.5dBi	Flexible Dipole N female straight
900MHz	Flex Dipole	8"	4.5dBi	Flexible Dipole N female angled
868MHz	Top J FCDP	16.75"	9dBi	Folded Collinear Dipole N female straight
900MHz	Top J FCDP	16.75"	9dBi	Folded Collinear Dipole N female straight
868MHz	Top J FCDP	16.75"	9dBi	Folded Collinear Dipole N female angled
900MHz	Top J FCDP	16.75"	9dBi	Folded Collinear Dipole N female angled

CONTACT US

Corporate Office

301 South Texas Avenue

Bryan, Texas 77803

Phone: (979) 776-7700

Midland Office

3308 Norden Drive

Midland, TX 79706

Phone: (432) 563-5858

sales@otisinstruments.com

www.otisinstruments.com

