

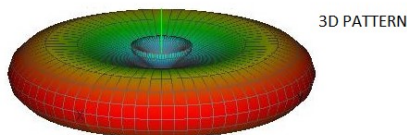
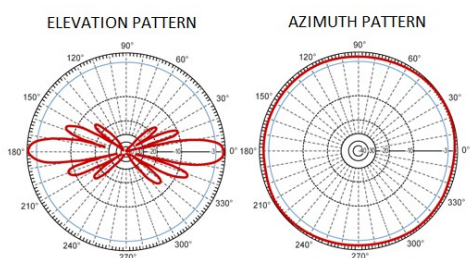


Advanced Antenna Solutions  
3000 Crystal Springs Blvd.  
Jeffersonville, Indiana 47230  
[www.genus-llc.com](http://www.genus-llc.com)  
[mark.peters@genus-llc.com](mailto:mark.peters@genus-llc.com)

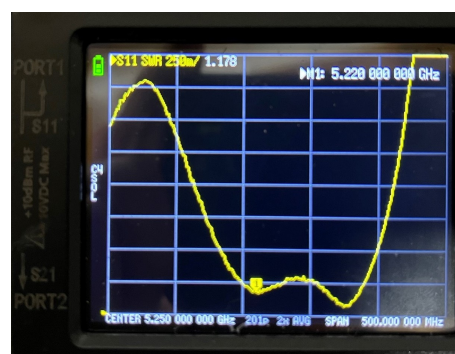
Folded Collinear Dipole  
High Performance Antenna  
**FCD 5-DBi 5GHz**

## 50 Ohm Folded Collinear Dipole Antenna

The AAS high performance “Folded Collinear Dipole Antenna is legend in antenna technology. This antenna has an increase in band width of over 300% as compared to any Mono/Dipole antenna. With a standard gain of over 5 dBi, it can reach and secure data to distances never accomplished by standard dipole antennas. The exterior of the antenna is constructed of an environmentally stable and RF invisible HDPE. This material is UV resistant, weather proof and has a resistant to many chemicals. Built tough for the harshest environments!



Radiation  
Patterns



VSWR

Horizontal  
Gain  
Pattern

**Band Width:** From 5.1GHz to 5.4GHz

**VSWR:** Over the Band Width < 1.2:1

**Impedance:** 50 Ohms

| Antenna Description                            | Part Number     | Dimensions                  |
|--|-----------------|-----------------------------|
| 5.0GHz Straight N male Brass/Nickle connector  | FCD-NFS-5G-NB-* | 4-1/2” Long x 3/4” Diameter |
| 5.0GHz 90 Degree N male Brass/Nickle connector | FCD-NFA-5G-NB-* | 4-1/2” Long x 3/4” Diameter |
| 5.0GHz Straight N male SST connector           | FCD-NFS-5G-SS-* | 4-1/2” Long x 3/4” Diameter |
| 5.0GHz 90 Degree N male SST connector          | FCD-NFA-5G-SS-* | 4-1/2” Long x 3/4” Diameter |

\*-Batch Code (week/year)