



Antenna Chart

The following is chart listing manufacturer's recommendations for antenna selection.

Range vs. Antenna Used in System Design

Antenna	Maximum Line-of-Sight*	Maximum Non-Line-of-Sight*
3dBi Stubby	.25 mile	5 walls/300 feet
5dBi Stubby	.5 mile	6 walls/500 feet
3dB Low Profile	.5 mile	6 walls/500 feet
3dB Base	5 miles	1500 feet w/ trees
6dB Base	20 miles	2000 feet w/ trees
6dB Yagi**	20 miles	1500 feet w/ trees
AIC10.5P	2 miles	1200 feet w/ trees
AIC12.5P	5 Miles	1300 feet w/trees
AIC11AW	20 miles	1200 feet w/ trees
AIC15AW	40 miles	1500 feet w/ trees

*Range may vary based on terrain and noise environment

** Used only with WLD900 model

This information is based on limited testing and is to be used as a guide in antenna selection.

Antenna Description

3dBi Stubby	3dBi (1dB) rubber duck style antenna, direct mount
5dBi Stubby	5dBi (3dB) rubber duck style antenna, direct mount
3dB Low Profile	3dB Low Profile, omni-directional, remote mount
3dB Base	3dB Base Station, omni-directional, remote mount*
6dB Base	6dB Base Station, omni-directional, remote mount*
6dB Yagi	6dB Yagi, directional, remote mount
AIC10.5P	10.5dBi Panel, directional, remote mount
AIC12.5P	12.5dBi Panel, directional, remote mount
AIC11AW	11dBi (9dB) Yagi, directional, remote mount
AIC15AW	15dBi (11dB) Yagi, directional, remote mount

*Requires additional mounting hardware FM2 Pole Clamp Assembly

