

Alignment guidelines

Please be sure to consider the following when installing antennae from AvaLAN:

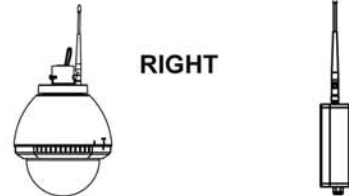
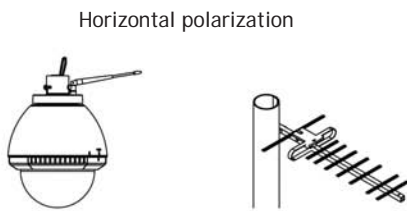
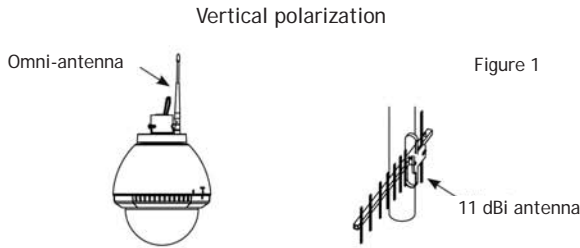
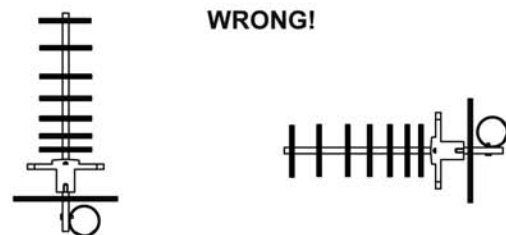
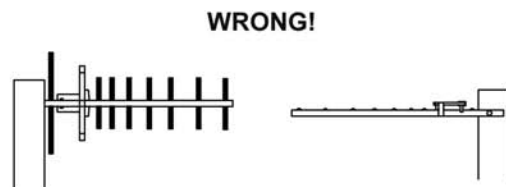
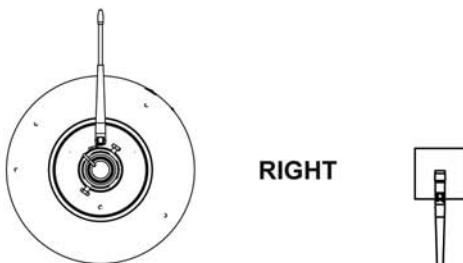
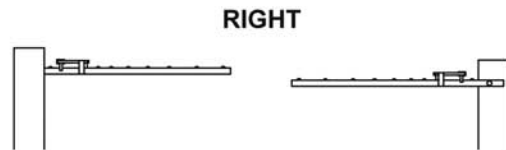
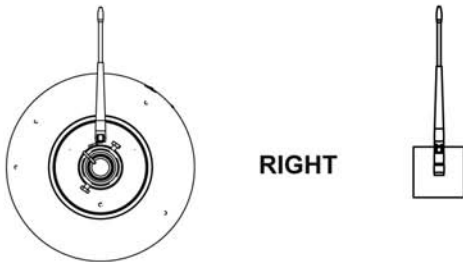
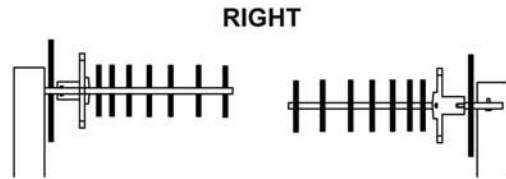
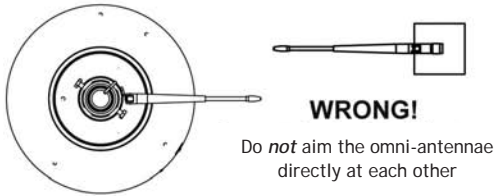
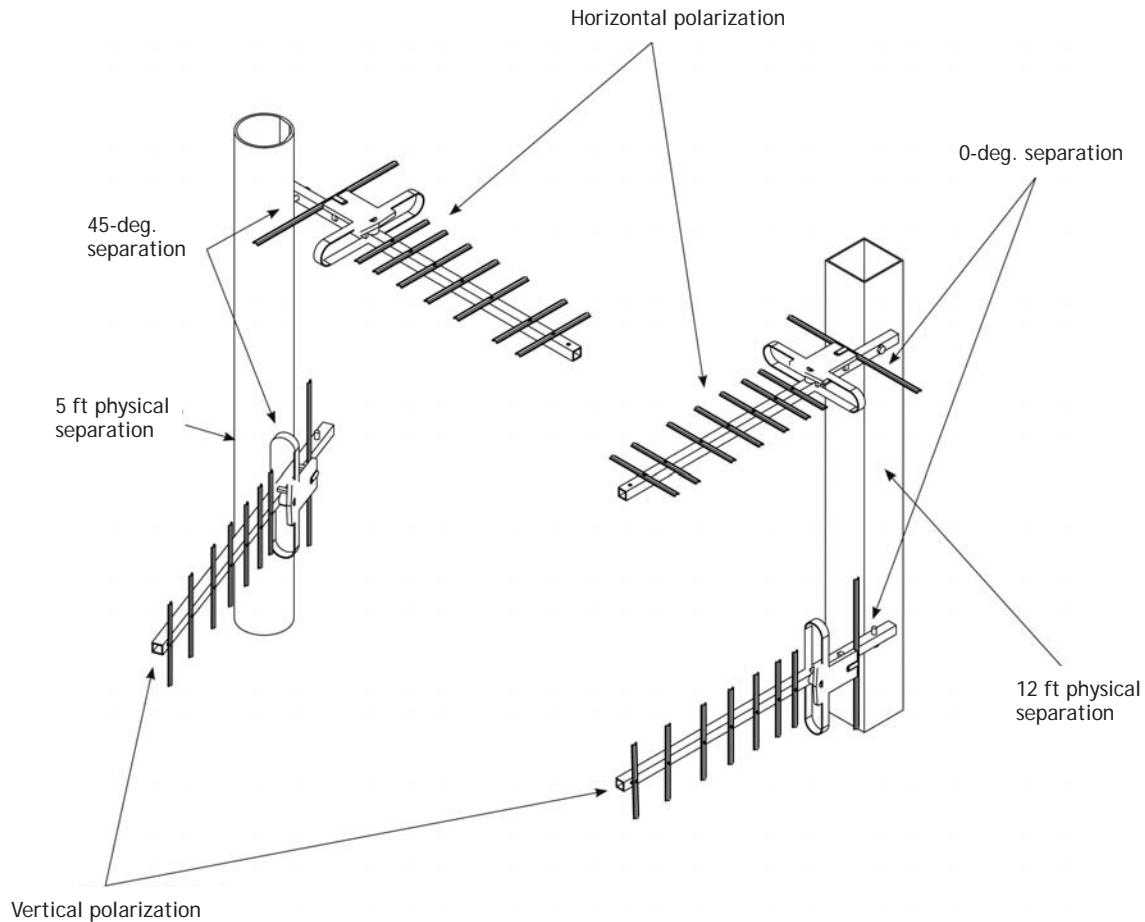


Figure 2



Antenna polarization display

ATTENTION: When multiple 900 MHz antennas are installed in one area and face the same direction, antennas should be spaced a minimum of 12 feet apart. When multiple antennas are installed in one area and face different directions, antennas should be spaced a minimum of 5 feet apart.



Transmitter to receiver placement

If radios are installed either indoors or outdoors at distances closer than recommended, antennas can overpower each other and cause undesired effects. If testing radios within one or two feet, remove both antennas. The radios will still be able to signal each other at close distances. This applies to both indoor and outdoor units.

ANTENNAE	RANGE		RECOMMENDED DISTANCE FROM PAIRED ANTENNA Minimum
	Maximum line-of-sight *	Maximum non-line-of-sight	
AW2-900	1 mile	5 walls / 450 ft	10 feet
AW5-900	2 miles	6 walls / 500 ft	10 feet
AW5-5800	1/2 mile	n/a	10 feet
AW6-900	n/a	8 walls / 700 ft	10 feet
AW10-900	15 miles	1,000 feet w/ trees	75 feet
AW11-900	20 miles	1,200 feet w/ trees	125 feet
AW15-900	40 miles	1,500 feet w/ trees	150 feet
AW23-5800	30 miles	n/a	100 feet

* NOTE: Ranges are under line-of-sight RF conditions

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