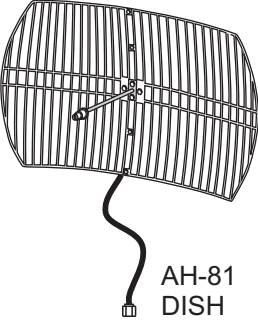

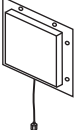






5.8 GHz BAND ANTENNA SELECTION GUIDE

	Linear Polarized Antenna				Circular polarized Antenna		
							
	AH-81 DISH	AH-83 DISH	AH-55 PANEL	AS-28 (TX) AS-29 (RX) PATCH	AH-56R SECTOR	AS-26R (TX) AS-27R (RX) PATCH	AS-34R (TX) AS-35R (RX) OMNI
GAIN (dB)	30	23	16	6	13	6	2
VERTICAL BEAMWIDTH	6	12	20	70	20	70	70
HORIZONTAL BEAMWIDTH	4	9	20	70	60	70	Omni
SIZE (Front)	3' DIA.	16" DIA.	7.5" SQ.	2.25" SQ.	7"X4.5"	2.25" SQ.	2.5"D. Base X 4.5"H

NOTE: AH-80, AH-82, AH-55 and AH-56R are high gain antennas for use with the receiver only due to FCC limit on the maximum radiated power of Part 15 devices (no license required) in the US.

Distance Estimate for Fixed Point to Point Applications using Linear Polarized Antennas

Transmit Antenna	Receive Antenna	Maximum Distance (Ft.)*
AS-28	AS-29	1000
AS-28	AH-55	3000
AS-28	AH-83	6700
AS-28	AH-81	13500

Distance Estimate for Mobile Applications using Circular Polarized Antennas

Transmit Antenna	Receive Antenna	Maximum Distance (Ft.)*
AS-34R	AS-35R	400
AS-34R	AS-27R	600
AS-34R	AH-56R	1350
AS-26R	AS-35R	600
AS-26R	AS-27R	1000
AS-26R	AH-56R	2100

* The maximum distance can usually be achieved under ideal situation, obstructions such as walls and trees can greatly reduce the usable distance. For fixed installation it is recommended to use a safety margin of 3 to 6 dB (~ 30% to 50% reduction in distance) to account for component aging and deterioration of the installation in the future.

Specifications subject to change without notice