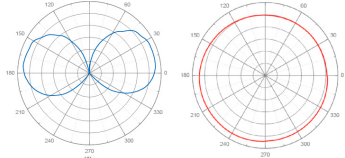
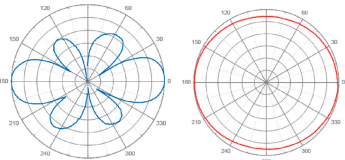
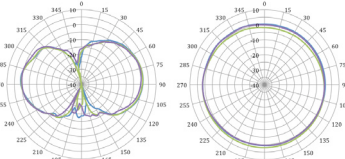
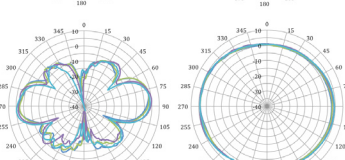
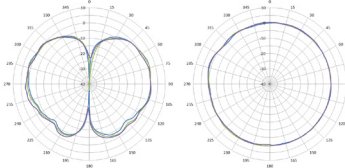


PRODUCT LINE MATRIX: ANTENNAS

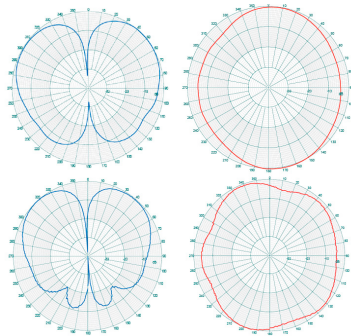
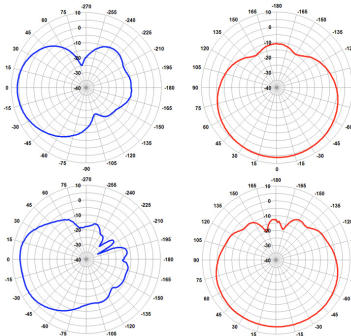
ANTENNA LINE MATRIX: INDOOR ONLY (RP-SMA)

Model	Type	Band(s)	Typical Gain	Polarization & Element Type	Bandwidth (Degrees)		VSWR	Max Input Power	Connector(s)	Dimensions (mm)	Operating Temperature	Antenna Patterns
					H-plane	E-plane						
AP-ANT-1B 	Omnidirectional	2.400 GHz - 2.500 GHz	3.8 dBi	Vertical, linear	360	50	< 2.0 : 1	2 watts	1x RP-SMA/m, direct-mount	127 x 39 x 19	-10° C to +55° C	 
		4.900 GHz - 5.875 GHz	5.8 dBi		360	25						
AP-ANT-1F 	Omnidirectional	2.400 GHz - 2.500 GHz	2.0 dBi	Vertical, linear	360	50	< 2.0 : 1	2 watts	1x RP-SMA/m, direct-mount	127 x 39 x 19	-10° C to +55° C	 
		4.900 GHz - 5.875 GHz	5.0 dBi		360	25						

ANTENNA LINE MATRIX: INDOOR/OUTDOOR (RP-SMA)

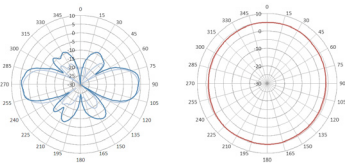
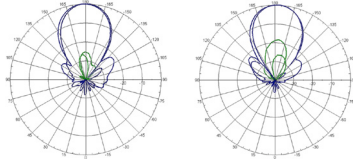
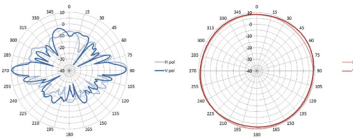
Model	Type	Band(s)	Typical Gain	Polarization & Element Type	Bandwidth (Degrees)		VSWR	Max Input Power	Connector(s)	Dimensions (mm)	Operating Temperature	Antenna Patterns
					H-plane	E-plane						
AP-ANT-20	Dual-band omni, direct mount	2.400 GHz - 2.500 GHz	2.0 dBi	Linear, vertical. Omnidirectional patterns at all frequencies.	360	80	< 2.0 : 1	2 watts	1xRP-SMA with articulating mount	79 x 35.3 x 10 with articulating mount at 90 degree angle	-10° C to +55° C (+14° F to +131° F)	
		4.900 GHz - 5.875 GHz	2.0 dBi							102 x 14.8 x 10 fully extended		

ARUBA ANTENNA MATRIX: OUTDOOR/INDOOR (N-TYPE)

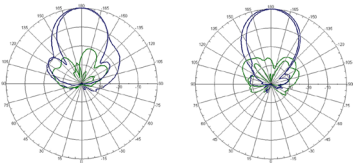
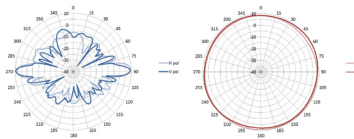
Model	Type	Band(s)	Typical Gain	Polarization & Element Type	Bandwidth (Degrees)		VSWR	Max Input Power	Connector(s)	Dimensions (mm)	Operating Temperature	Antenna Patterns
					H-plane	E-plane						
AP-ANT-90 	Downtilt diversity omni	2.400 GHz - 2.500 GHz	3.0 dBi	Vertical, linear downtilt	360	57-61	< 2.0 : 1	2 watts	2x N-type/m, pigtail cable	157 x 93 x 23	-40° C to +70° C	
		4.900 GHz - 5.990 GHz	3.0 dBi		360	55-59						
AP-ANT-92 	120 Degree 3x3 MIMO sector	2.400 GHz - 2.500 GHz	6.0 dBi	Linear dual-slant +/-45 degrees	120	60	< 1.7 : 1	50 watts	3x N-type/m, pigtail cable	200 x 200 x 33	-40° C to +70° C	
		4.900 GHz - 5.875 GHz	5.0 dBi									
AP-ANT-93 	High gain 3x3 MIMO directional	5.150 GHz - 5.875 GHz	14.0 dBi	Linear dual-slant +/-45 degrees	20	20	< 1.7 : 1	50 watts	3x N-type/f, connectors	305 x 305 x 15	-55° C to +65° C	

 Use N-type/m to N-type/m RF cable to connect antenna to AP (order separately)

ARUBA ANTENNA MATRIX: OUTDOOR/INDOOR (N-TYPE)

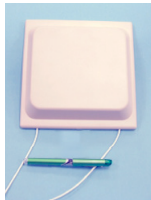
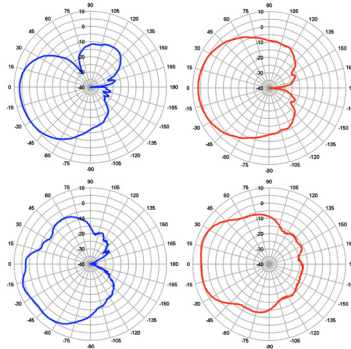
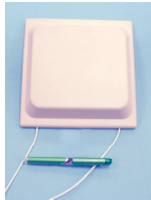
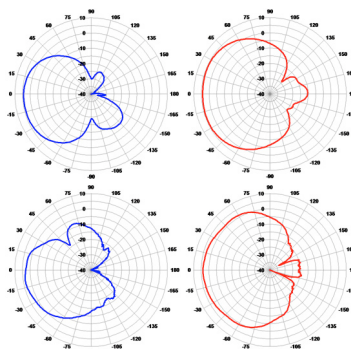
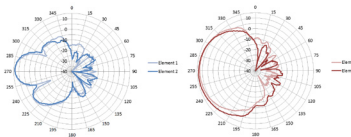
Model	Type	Band(s)	Typical Gain	Polarization & Element Type	Bandwidth (Degrees)		VSWR	Max Input Power	Connector(s)	Dimensions (mm)	Operating Temperature	Antenna Patterns
					H-plane	E-plane						
ANT-2x2-2005 	Direct mount omni, 2x2 MIMO pair	2.400 GHz - 2.500 GHz	5.0 dBi	Pair: linear vertical and linear horizontal	360	Vpol: 30 Hpol: 25	Vpol: <1.7 Hpol: <2.0	Vpol: 50 watts Hpol: 10 watts	2x N-type/m, direct mount	Vpol: 309 x 32 x 32 Hpol: 329 x 45 x 45	-30° C to +70° C	
ANT-2x2-2314 	Directional	2.400 GHz - 2.500 GHz	14.0 dBi	Dual: linear vertical and linear horizontal	30	30	<2.0:1	6 watts	2x N-type/f	260 x 261 x 30	-45° C to +65° C	
ANT-2x2-5005 	Direct mount omni, 2x2 MIMO pair	5.150 GHz - 5.875 GHz	5.0 dBi	Pair: linear vertical and linear horizontal	360	Vpol: 29 Hpol: 33	< 2.0 : 1	10 watts	2x N-type/m, direct mount	200 x 25 x 25	-30° C to +70° C	

ARUBA ANTENNA MATRIX: OUTDOOR/INDOOR (N-TYPE)

Model	Type	Band(s)	Typical Gain	Polarization & Element Type	Bandwidth (Degrees)		VSWR	Max Input Power	Connector(s)	Dimensions (mm)	Operating Temperature	Antenna Patterns
					H-plane	E-plane						
ANT-2x2-5314 	Directional	4.900 GHz - 5.875 GHz	14.0 dBi	Dual: linear vertical and linear horizontal	30	30	<2.0:1	6 watts	2x N-type/f	190 x 190 x 30	-45° C to +65° C	
ANT-2x2-5010 	Direct mount omni, 2x2 MIMO pair	5.150 GHz - 5.875 GHz	10.0 dBi	Pair: linear vertical and linear horizontal	360	Vpol: 8 Hpol: 9.5	< 2.0 : 1	10 watts	2x N-type/m, direct mount	Vpol: 490 x 25 x 25 Hpol: 451 x 25 x 25	-30° C to +70° C	

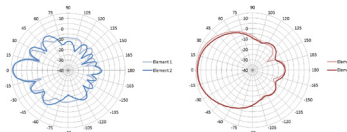
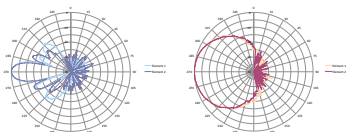
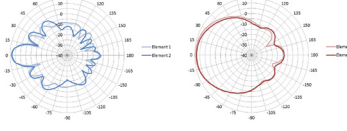
Use N-type/m to N-type/m RF cable to connect antenna to AP (order separately)

ARUBA ANTENNA MATRIX: OUTDOOR/INDOOR (N-TYPE)

Model	Type	Band(s)	Typical Gain	Polarization & Element Type	Bandwidth (Degrees)		VSWR	Max Input Power	Connector(s)	Dimensions (mm)	Operating Temperature	Antenna Patterns
					H-plane	E-plane						
ANT-2X2-D607 	60 Degree 2x2 MIMO sector	2.400 GHz - 2.500 GHz	7.0 dBi	Linear dual-slant +/-45 degrees	60	50	< 1.8 : 1	20 watts	2x N-type/m, pigtail cable	200 x 200 x 33	-40° C to +70° C	
		5.150 GHz - 5.875 GHz	7.0 dBi									
ANT-2X2-D805 	120 Degree 2x2 MIMO sector	2.400 GHz - 2.500 GHz	5.0 dBi	Linear dual-slant +/-45 degrees	120	70	< 1.8 : 1	20 watts	2x N-type/m, pigtail cable	200 x 200 x 33	-40° C to +70° C	
		5.150 GHz - 5.875 GHz	5.0 dBi									
ANT-2x2-2714 	High gain 2x2 MIMO directional	2.400 GHz - 2.483 GHz	14.0 dBi	Linear dual-slant +/-45 degrees	70	23	< 1.5 : 1	20 watts	2x N-type/f, connectors	306 x 306 x 25	-45° C to +70° C	

Use N-type/m to N-type/m RF cable to connect antenna to AP (order separately)

ARUBA ANTENNA MATRIX: OUTDOOR/INDOOR (N-TYPE)

Model	Type	Band(s)	Typical Gain	Polarization & Element Type	Bandwidth (Degrees)		VSWR	Max Input Power	Connector(s)	Dimensions (mm)	Operating Temperature	Antenna Patterns
					H-plane	E-plane						
ANT-2x2-5614 	High gain 2x2 MIMO directional	5.150 GHz - 5.875 GHz	14.0 dBi	Linear dual-slant +/-45 degrees	60	14	< 1.8 : 1	50 watts	2x N-type/f, connectors	270 x 103 x 35	-40° C to +70° C	
ANT-2x2-5614L 	High gain 2x2 MIMO directional	4.9 GHz - 5.5 GHz	14.0 dBi	Linear dual-slant +/-45 degrees	60	13.5	< 1.8 : 1	50 watts	2x N-type/f, connectors	270 x 103 x 35	-40° C to +70° C	
ANT-2x2-5614U 	High gain 2x2 MIMO directional	5.470 GHz - 5.700 GHz	12.5 dBi	Linear dual-slant +/-45 degrees	55	13	< 2.0 : 1	50 watts	2x N-type/f, connectors	270 x 112 x 35	-40° C to +70° C	
		5.700 GHz - 5.900 GHz	14.0 dBi									

 Use N-type/m to N-type/m RF cable to connect antenna to AP (order separately)



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