
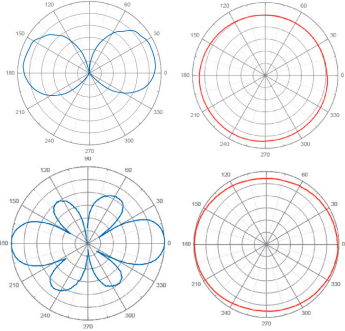

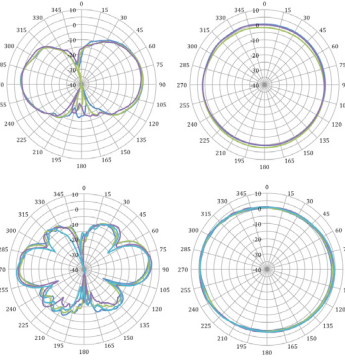
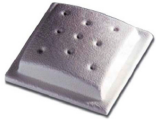
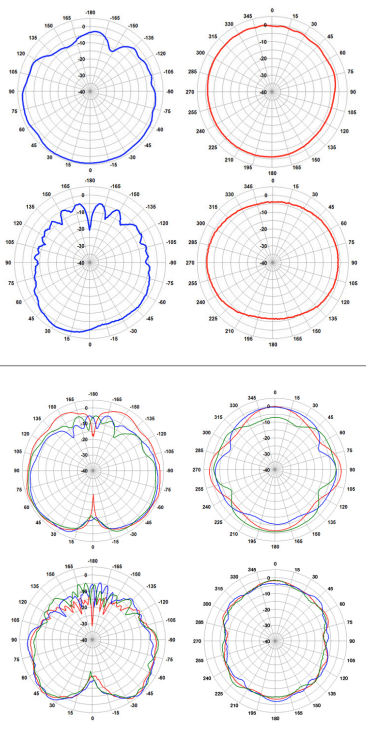



# PRODUCT LINE MATRIX: ANTENNAS

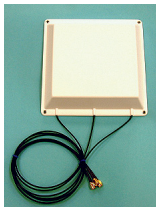
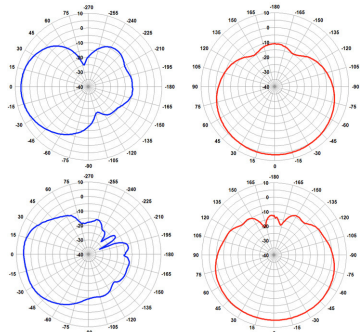
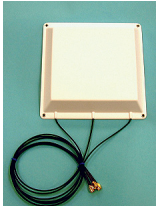
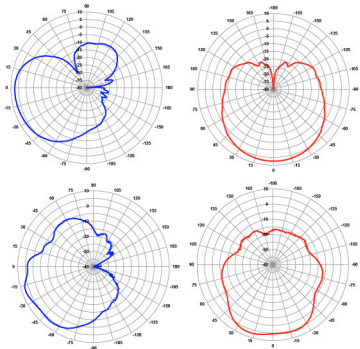

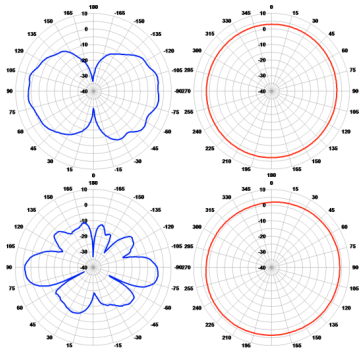
## ANTENNA LINE MATRIX: INDOOR ONLY (RP-SMA)

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	2.400GHz - 2.500GHz	3.8dBi	Vertical, linear	360	50	< 2.0 : 1	2W	1x RP-SMA/m, direct-mount	127 x 39 x 19	-10C to +55C	
		4.900GHz - 5.875GHz	5.8dBi		360	25						
AP-ANT-1F 	Omnidirectional	2.400GHz - 2.500GHz	2.0dBi	Vertical, linear	360	50	< 2.0 : 1	2W	1x RP-SMA/m, direct-mount	127 x 39 x 19	-10C to +55C	
		4.900GHz - 5.875GHz	5.0dBi		360	25						


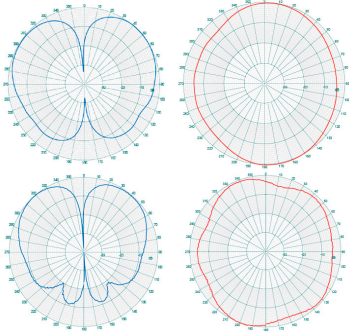

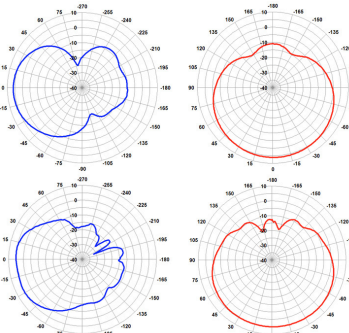

### ANTENNA LINE MATRIX: INDOOR ONLY (RP-SMA)


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-13B 	Downtilt omni	2.400GHz - 2.500GHz	4.4dBi	Vertical, linear downtilt	360	60	< 2.0 : 1	2W	1x RP-SMA/m, pigtail cable	55 x 55 x 16	-40C to +70C	
		4.900GHz - 5.900GHz	3.3dBi									
AP-ANT-16 	Downtilt 3x3 MIMO omni	2.400GHz - 2.500GHz	3.9dBi	Vertical, linear downtilt	360	60	< 2.0 : 1	2W	3x RP-SMA/m, pigtail cable	308 x 92 x 22	-40C to +70C	
		4.900GHz - 5.900GHz	4.7dBi									


### 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-17 	120 Degree 3x3 MIMO sector	2.400GHz - 2.500GHz	6.0dBi	Vertical linear dual-slant +/-45 degrees	120	65	< 1.7 : 1	50W	3x RP-SMA/m, pigtail cable	200 x 200 x 33	-40C to +70C	
		4.900GHz - 5.875GHz	5.0dBi		150	75						
AP-ANT-18 	60 Degree 3x3 MIMO sector	2.400GHz - 2.500GHz	7.5dBi	Vertical linear dual-slant +/-45 degrees	60	60	< 1.8 : 1	20W	3x RP-SMA/m, pigtail cable	200 x 200 x 33	-40C to +70C	
		4.900GHz - 5.875GHz	7.5dBi									
AP-ANT-19 	Dual band omni	2.400GHz - 2.500GHz	3.0dBi	Vertical omni	360	50	< 2.0 : 1	10W	1x RP-SMA/m, pigtail cable	245 (h)	-40C to +70C	
		5.150GHz - 5.875GHz	6.0dBi		260	20						


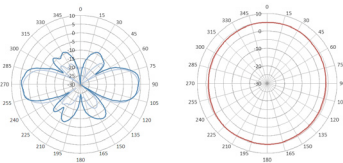

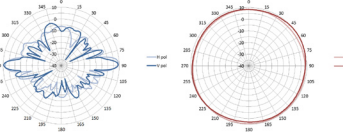
## ARUBA ANTENNA MATRIX: OUTDOOR/INDOOR (N-TYPE)

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	2.400GHz - 2.500GHz	3dBi	Vertical, linear downtilt	360	57-61	< 2.0 : 1	2W	2x N-type/m, pigtail cable	157 x 93 x 23	-40C to +70C	
		4.900GHz - 5.990GHz	3dBi		360	55-59						
AP-ANT-92 	120 Degree 3x3 MIMO sector	2.400GHz - 2.500GHz	6.0dBi	Linear dual-slant +/-45 degrees	120	60	< 1.7 : 1	50W	3x N-type/m, pigtail cable	200 x 200 x 33	-40C to +70C	
		4.900GHz - 5.875GHz	5.0dBi									
AP-ANT-93 	High gain 3x3 MIMO directional	5.150GHz - 5.875GHz	14dBi	Linear dual-slant +/-45 degrees	20	20	< 1.7 : 1	50W	3x N-type/f, connectors	305 x 305 x 15	-55C to +65C	

 Use N-type/m to N-type/m RF cable to connect antenna to AP (supplied with antenna)


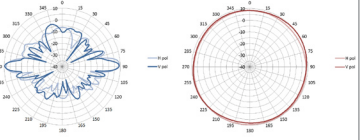

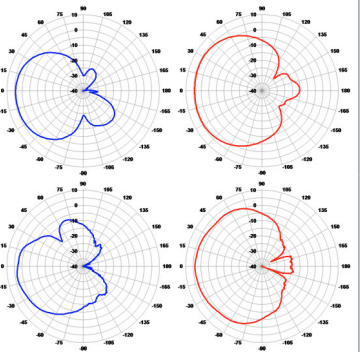

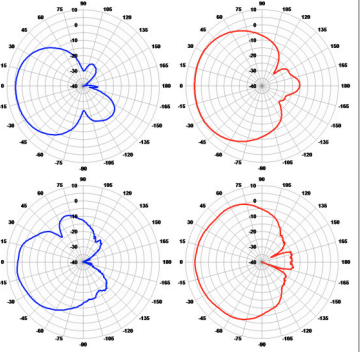
 Use N-type/m to N-type/m RF cable to connect antenna to AP (order separately)


### 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						
 <p>ANT-2x2-2005</p>	Direct mount omni, 2x2 MIMO pair	2.400GHz - 2.500GHz	5dBi	Pair: linear vertical and linear horizontal	360	Vpol: 30 Hpol: 25	Vpol: <1.7 Hpol: <2.0	Vpol: 50W Hpol: 10W	2x N-type/m, direct mount	Vpol: 309 x 32 x 32 Hpol: 329 x 45 x 45	-30C to +70C	
 <p>ANT-2x2-5005</p>	Direct mount omni, 2x2 MIMO pair	5.150GHz - 5.875GHz	5dBi	Pair: linear vertical and linear horizontal	360	Vpol: 29 Hpol: 33	< 2.0 : 1	10W	2x N-type/m, direct mount	200 x 25 x 25	-30C to +70C	


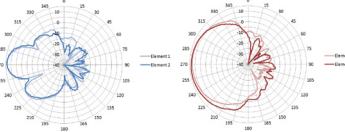

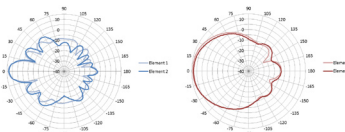

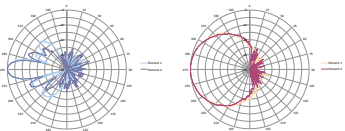

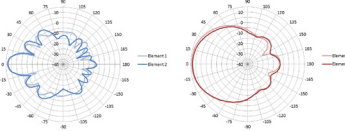
Use N-type/m to N-type/m RF cable to connect antenna to AP (supplied with antenna)


## 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						
 <p>ANT-2x2-5010</p>	Direct mount omni, 2x2 MIMO pair	5.150GHz - 5.875GHz	10dBi	Pair: linear vertical and linear horizontal	360	Vpol: 8 Hpol: 9.5	< 2.0 : 1	10W	2x N-type/m, direct mount	Vpol: 490 x 25 x 25 Hpol: 451 x 25 x 25	-30C to +70C	
 <p>ANT-2X2-D607</p>	60 Degree 2x2 MIMO sector	2.400GHz - 2.500GHz	7dBi	Linear dual-slant +/-45 degrees	60	50	< 1.8 : 1	20W	2x N-type/m, pigtail cable	200 x 200 x 33	-40C to +70C	
		5.150GHz - 5.875GHz	7dBi									
 <p>ANT-2X2-D805</p>	120 Degree 2x2 MIMO sector	2.400GHz - 2.500GHz	5dBi	Linear dual-slant +/-45 degrees	120	70	< 1.8 : 1	20W	2x N-type/m, pigtail cable	200 x 200 x 33	-40C to +70C	
		5.150GHz - 5.875GHz	5dBi									

 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-2x2-2714	High gain 2x2 MIMO directional	2.400GHz - 2.483GHz	14dBi	Linear dual-slant +/-45 degrees	70	23	< 1.5 : 1	20W	2x N-type/f, connectors	306 x 306 x 25	-45C to +70C	
 ANT-2x2-5614	High gain 2x2 MIMO directional	5.150GHz - 5.875GHz	14dBi	Linear dual-slant +/-45 degrees	60	14	< 1.8 : 1	50W	2x N-type/f, connectors	270 x 103 x 35	-40C to +70C	
 ANT-2x2-5614L	High gain 2x2 MIMO directional	4.9GHz - 5.5GHz	14dBi	Linear dual-slant +/-45 degrees	60	13.5	< 1.8 : 1	50W	2x N-type/f, connectors	270 x 103 x 35	-40C to +70C	
 ANT-2x2- 5614U	High gain 2x2 MIMO directional	5.470GHz - 5.700GHz	12.5dBi	Linear dual-slant +/-45 degrees	55	13	< 2.0 : 1	50W	2x N-type/f, connectors	270 x 112 x 35	-40C to +70C	
		5.700GHz - 5.900GHz	14dBi									

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



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