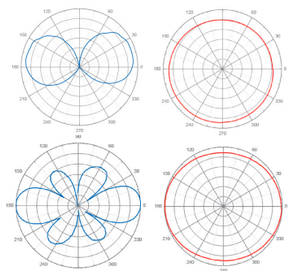
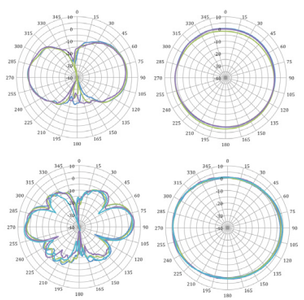
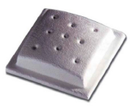
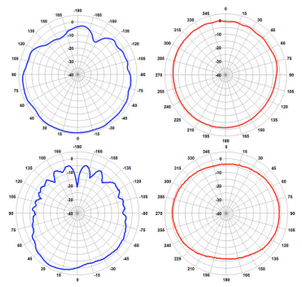
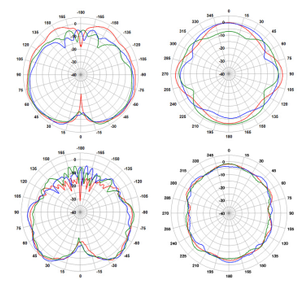
PRODUCT LINE MATRIX

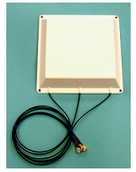
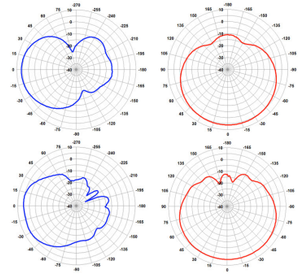
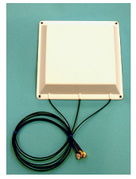
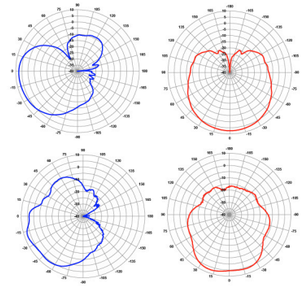
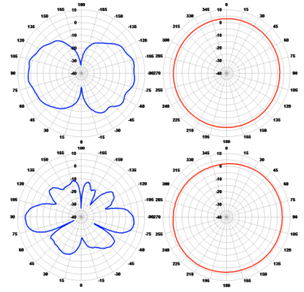
ANTENNAS

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						

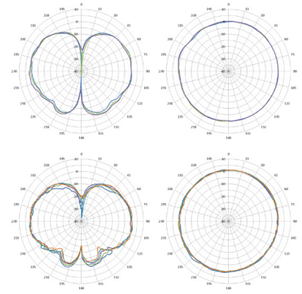
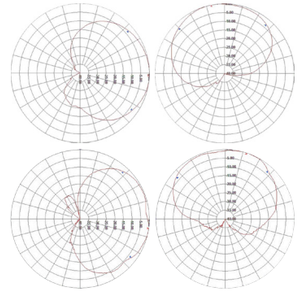
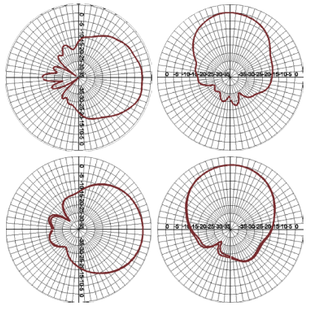
INDOOR ONLY (RP-SMA)

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

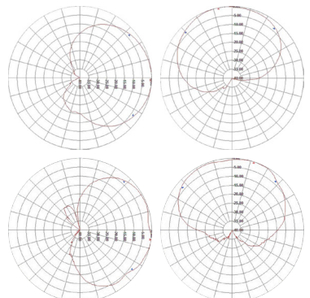
INDOOR/OUTDOOR (RP-SMA)

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

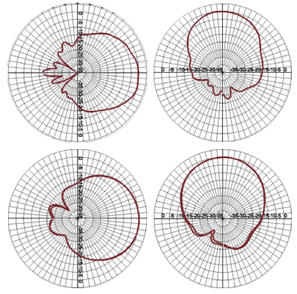
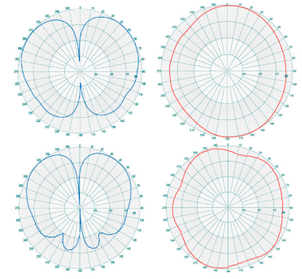
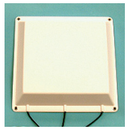
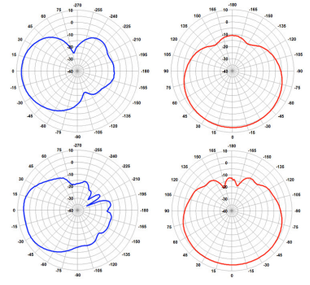
INDOOR/OUTDOOR (RP-SMA)

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 102 x 14.8 x 10 fully extended	-10° C to +55° C (+14° F to +131° F)	
		4.900 GHz - 5.875 GHz	2.0 dBi									
AP-ANT-25 	AP-ANT-25 is a dual-polarized antenna with nominal 90° H x 90° V beamwidths. This antenna is well suited for 2.4-GHz and 5-GHz sector coverage for Wi-Fi access.	2.4 GHz - 2.5 GHz	5 dBi min	Slant +/- 45°	100	90	2:1 max	20 watts	75 cm (30") RP-SMA pigtails x2	200 x 200 x 33	-45°C to +70°C	
		4.9 GHz - 6.0 GHz										
AP-ANT-28 	Dual-polarized antenna with nominal 60° H x 60° V beamwidths for 2.4-GHz and 5-GHz sector coverage	2.4 GHz - 2.5 GHz	7.5 dBi min	Slant +/- 45°	60	60	2:1 max	6 watts	75 cm (30") RP-SMA pigtail	197.5 x 197.5 x 34.5	-45° C to +65° C	
		4.9 GHz - 6.0 GHz										

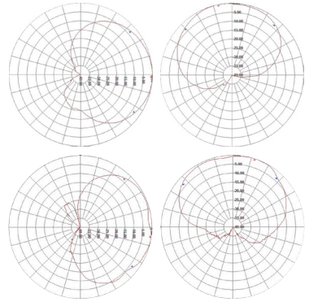
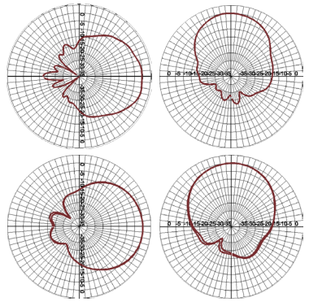
INDOOR/OUTDOOR (RP-SMA)

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-35 	AP-ANT-35 is a multipolarized antenna with nominal 90° H x 90° V beamwidths. This antenna is well suited for 2.4-GHz and 5-GHz sector coverage for Wi-Fi access.	4.9 GHz - 6.0 GHz 2.4 GHz - 2.5 GHz	5 dBi min	Slant +/- 45°	100	90	2:1 max	20 watts	75 cm (30") RP-SMA pigtails x3	200 x 200 x 33	-45°C to +70°C	

OUTDOOR/INDOOR (N-TYPE)

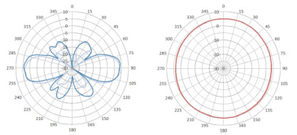
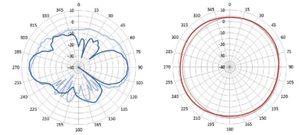
MODEL	TYPE	BAND(S)	TYPICAL GAIN	POLARIZATION & ELEMENT TYPE	BANDWIDTH (DEGREES)		VSWR	MAX INPUT POWER	CONNECTOR(S)	DIMENSIONS (MM)	OPERATING TEMPERATURE	ANTENNA PATTERNS
					H-PLANE	E-PLANE						
AP-ANT-38 	Multipolarized antenna with 60° H x 60° V beamwidths for 2.4-GHzand 5-GHz sector coverage	4.9 GHz - 6.0 GHz	7.5 dbi min	V, and Slant +/- 45°	60	60	2.1 max	6 watts	3x RP-SMA pigtail cable	197.5 x 197.5 x 34.5	-45° C to +65° C	
		2.4 GHz - 2.5 GHz										
AP-ANT-90 	Downtilit 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									

OUTDOOR/INDOOR (N-TYPE)

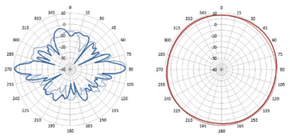
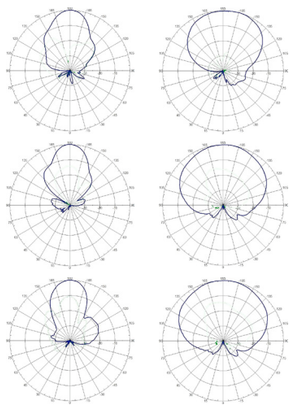
MODEL	TYPE	BAND(S)	TYPICAL GAIN	POLARIZATION & ELEMENT TYPE	BANDWIDTH (DEGREES)		VSWR	MAX INPUT POWER	CONNECTOR(S)	DIMENSIONS (MM)	OPERATING TEMPERATURE	ANTENNA PATTERNS
					H-PLANE	E-PLANE						
AP-ANT-93 	High gain 3x3 MIMO directional	5.150 GHz - 5.875 GHz	14.0 dBi	Linear dual-slant +/-45 degrees	20	20	< 1.7 : 1	50 watts	3x N-type/f, connectors	305 x 305 x 15	-55° C to +65° C	
ANT-3X3-D905 	ANT-3x3-D905 is a multi-polarized antenna with 90° horizontal x 90° vertical beamwidths. This antenna is well suited for 2.4- and 5-GHz sector Wi-Fi coverage	2.4 GHz - 2.5 GHz 4.9 GHz - 6.0 GHz	5 dBi min	V and slant +/- 45°	100	90	2:1 max	20 watts	N-type female x3 (RF cables not included)	200 x 200 x 33 mm	-45°C to +70°C	
ANT-3X3-D608 	Multipolarized 3x3 antenna with 60° horizontal x 60° vertical beamwidths. This antenna is well suited for 2.4- and 5-GHz Wi-Fi coverage	2.4 GHz - 2.5 GHz 4.9 GHz - 6.0 GHz	7.5 dBi min	V and slant +/- 45°	60	60	2:1 max	6 watts	N-type female x3 (RF cables not included)	197.5 x 197.5 x 34.5	-45°C to +65°C	

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

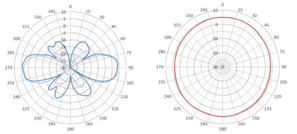
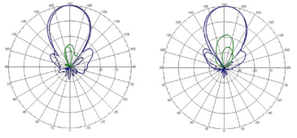
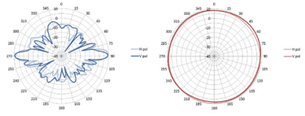
OUTDOOR/INDOOR (N-TYPE)

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-3X3-2005 	Three omnidirectional antennas – two vertical and one horizontal – for use in 802.11ac and 802.11n MIMO mesh link and client access applications	2.4 GHz - 2.5 GHz	5 dBi max	Vpol antenna: linear, vertical Hpol antenna: linear, horizontal	360	Vpol: 30 Hpol: 25	Vpol antenna: 1.7:1 min Hpol antenna: 2.0:1 min	Vpol antenna: 50 watts Hpol antenna: 10 watts	N-type male (RF cables not included)	Vpol antenna: 309 x 32 x 32 Hpol antenna: 329 x 45 x 45	-40° C to +70° C	
ANT-3X3-5005 	Three omnidirectional antennas – two vertical and one horizontal – for use in 802.11ac and 802.11n MIMO mesh link and client access applications	4.9 GHz - 5.875 GHz	5 dBi max	Vpol antenna: linear, vertical Hpol antenna: linear, horizontal	360	Vpol: 29 Hpol: 33	2.0:1 min	10 watts	N-type male (RF cables not included)	200 x 25 x 25	-40° C to +70° C	

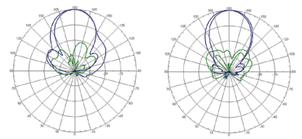
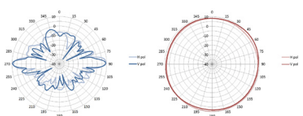
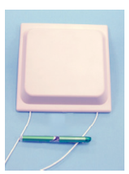
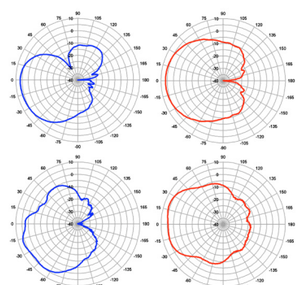
OUTDOOR/INDOOR (N-TYPE)

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-3X3-5010 	Three omnidirectional antennas – two vertical and one horizontal – for use in 802.11ac and 802.11n MIMO mesh link and client access applications	4.9 GHz - 5.875 GHz	10 dBi max	Vpol antenna: linear, vertical Hpol antenna: linear, horizontal	360	Vpol: 8 Hpol: 9.5	2.0:1 min	10 watts	N-type male (Note: RF cables not included)	Vpol antenna: 490 x 25 x 25 Hpol antenna: 451 x 25 x 25	-40° C to +70° C	
ANT-3X3-5712 	Multipolarized antenna with 70° horizontal and 25° vertical beamwidths	4.900 GHz - 6.000 GHz	11.5 dBi min	Pair: linear vertical and linear horizontal	70	Vpol: 25 Hpol: 25 Slant: 25	<2:1	6 watts	N-type female x 3 (RF cables not included)	190 x 190 x 30	-45° C to +65° C	

OUTDOOR/INDOOR (N-TYPE)

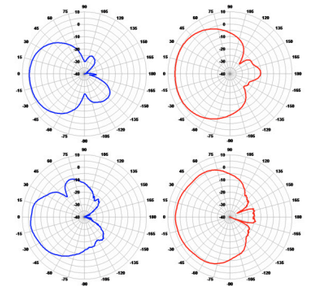
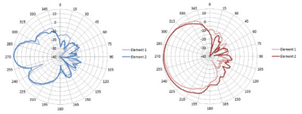
MODEL	TYPE	BAND(S)	TYPICAL GAIN	POLARIZATION & ELEMENT TYPE	BANDWIDTH (DEGREES)		VSWR	MAX INPUT POWER	CONNECTOR(S)	DIMENSIONS (MM)	OPERATING TEMPERATURE	ANTENNA PATTERNS
					H-PLANE	E-PLANE						
ANT-2X2-2005 	Direct mount omni, 2x2 MIMO pair	2.400 GHz - 2.500 GHz	5.0 dBi	Pair: linear vertical and linear 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 moun	200 x 25 x 25	-30° C to +70° C	

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	
ANT-2X2-D607 	60 Degree 2x2 MIMO sector	2.400 GHz - 2.500 GHz 5.150 GHz - 5.875 GHz	7.0 dBi 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	

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

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-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)

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