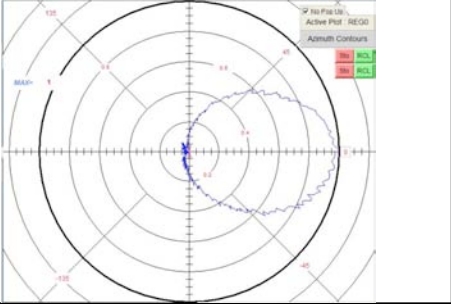
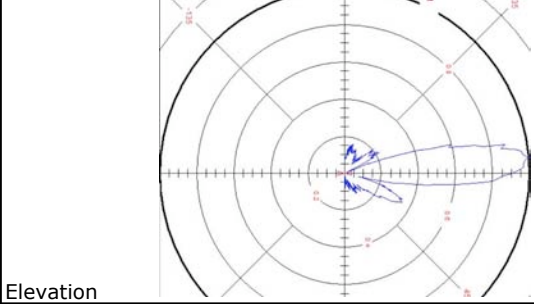





NanoStation3

3GHz Licensed Frequency Base Station / CPE



SYSTEM INFORMATION			
Processor Specs		Atheros MIPS 4KC	
Memory Information		16MB SDRAM, 4MB Flash	
Networking Interface		10/100 BASE-TX (Cat. 5, RJ-45) Ethernet Interface	
RADIO OPERATING FREQUENCY 3.40-3.65GHz			
TX SPECIFICATIONS		RX SPECIFICATIONS	
	DataRate	Avg.Power	Tolerance
OFDM	6Mbps	24 dBm	+/-1.5dB
	9Mbps	24 dBm	+/-1.5dB
	12Mbps	24 dBm	+/-1.5dB
	18Mbps	24 dBm	+/-1.5dB
	24Mbps	26 dBm	+/-1.5dB
	36Mbps	22 dBm	+/-1.5dB
	48Mbps	21 dBm	+/-1.5dB
	54Mbps	19 dBm	+/-1.5dB
	DataRate	Sensitivity	Tolerance
OFDM	6Mbps	-92 dBm	+/-1.5dB
	9Mbps	-91 dBm	+/-1.5dB
	12Mbps	-89 dBm	+/-1.5dB
	18Mbps	-88 dBm	+/-1.5dB
	24Mbps	-84 dBm	+/-1.5dB
	36Mbps	-81 dBm	+/-1.5dB
	48Mbps	-75 dBm	+/-1.5dB
	54Mbps	-72 dBm	+/-1.5dB
ADJUSTABLE CHANNEL SIZE SUPPORT			
5MHz		10MHz	
		20MHz	
		40MHz	
RANGE PERFORMANCE			
Outdoor (BaseStation Antenna Dependent):		Over 10km	
ADAPTIVE ANTENNA POLARITY			
Gain		13dBi	
Polarization		Multi-Polarized	
Polarization Selection		Software Controlled	
3dB Beamwidth Azimuth		55 degrees	
Survival Wind		185km/hr	
VSWR		1.4:1	
Front to Back Ratio		30dB+	
3dB Beamwidth Elevation		18 degrees	
Azimuth		Elevation	
			
PHYSICAL / ELECTRICAL / ENVIRONMENTAL			
Enclosure Size		26.4 cm x 8 cm x 3cm	
Weight		0.4kg	
Enclosure Characteristics		Outdoor UV Stabilized Plastic	
Mounting Kit		Pole Mounting Kit included	
Max Power Consumption		5 Watts	
Power Supply		12V, 1A (12 Watts). Supply and injector included	
Power Method		Passive Power over Ethernet (pairs 4,5+; 7,8 return)	
Operating Temperature		-20C to +70C	
Operating Humidity		5 to 95% Condensing	
Shock and Vibration		ETSI300-019-1.4	
SOFTWARE			
			
visit www.ubnt.com/airos			

