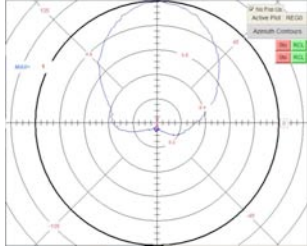
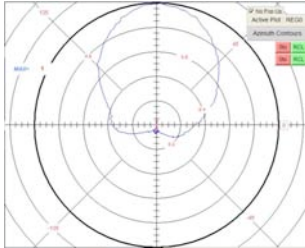




NanoStation loco

NS2L DATASHEET



SYSTEM INFORMATION							
Processor Specs		Atheros MIPS 4KC, 180MHz					
Memory Information		16MB SDRAM, 4MB Flash					
Networking Interface		1 X 10/100 BASE-TX (Cat. 5, RJ-45) Ethernet Interface					
REGULATORY / COMPLIANCE INFORMATION							
Wireless Approvals		FCC Part 15.247, IC RS210, CE					
RoHS Compliance		YES					
RADIO OPERATING FREQUENCY 2412-2462 MHz							
TX SPECIFICATIONS			RX SPECIFICATIONS				
802.11b	DataRate	TX Power	Tolerance	802.11b	DataRate	Sensitivity	Tolerance
	1Mbps	20 dBm	+/-1dB		1Mbps	-95 dBm	+/-1dB
	2Mbps	20 dBm	+/-1dB		2Mbps	-94 dBm	+/-1dB
	5.5Mbps	20 dBm	+/-1dB		5.5Mbps	-93 dBm	+/-1dB
	11Mbps	20 dBm	+/-1dB		11Mbps	-90 dBm	+/-1dB
802.11g OFDM	6Mbps	20 dBm	+/-1dB	802.11g OFDM	6Mbps	-92 dBm	+/-1dB
	9Mbps	20 dBm	+/-1dB		9Mbps	-91 dBm	+/-1dB
	12Mbps	20 dBm	+/-1dB		12Mbps	-89 dBm	+/-1dB
	18Mbps	20 dBm	+/-1dB		18Mbps	-88 dBm	+/-1dB
	24Mbps	20 dBm	+/-1dB		24Mbps	-84 dBm	+/-1dB
	36Mbps	18 dBm	+/-1dB		36Mbps	-81 dBm	+/-1dB
	48Mbps	16 dBm	+/-1dB		48Mbps	-75 dBm	+/-1dB
	54Mbps	15 dBm	+/-1dB		54Mbps	-72 dBm	+/-1dB
	ADJUSTABLE CHANNEL SIZE SUPPORT						
5MHz		10MHz	20MHz				
RANGE PERFORMANCE							
Outdoor (BaseStation Antenna Dependent):			Over 5km				
ANTENNA							
Gain		8dBi (2400-2500MHz)	Survival Wind	216 km /hr			
Polarization		Multi-Polarized	3dB Beamwidth Elevation	60 degrees			
Polarization Selection		Software Controlled	3dB Beamwidth Azimuth	60 degrees			
							
Azimuth		Elevation					
PHYSICAL / ELECTRICAL / ENVIRONMENTAL							
Enclosure Size		16.3 cm. length x 3.1 cm. height x 8cm. width					
Weight		0.18kg					
Enclosure Characteristics		Outdoor UV Stabilized Plastic					
Mounting Kit		Pole Mounting Kit included					
Max Power Consumption		4 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							

