

## NanoStation M900 Loco: Compact 900MHz 2x2 MIMO AirMax TDMA Station

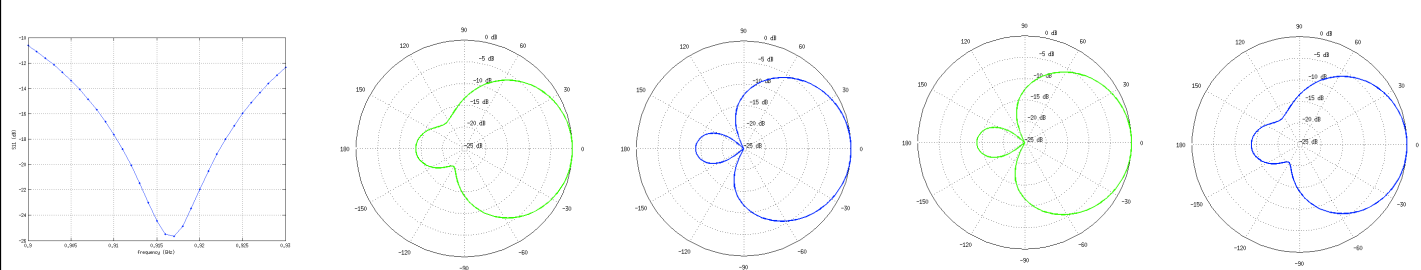


### BREAKTHROUGH 900MHz PERFORMANCE

20Mbps+ Real TCP/IP Throughput in 5MHz Channel



MIMO TDMA Protocol

SYSTEM INFORMATION							
Processor Specs	Atheros MIPS 24KC, 400MHz						
Memory Information	64MB SDRAM, 8MB 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						
RoHS Compliance	YES						
OPERATING FREQUENCY 902-928 MHz							
airMAX	MCS0	26 dBm	+/-2dB	airMAX	MCS0	-96 dBm	+/-2dB
	MCS1	26 dBm	+/-2dB		MCS1	-95 dBm	+/-2dB
	MCS2	26 dBm	+/-2dB		MCS2	-92 dBm	+/-2dB
	MCS3	26 dBm	+/-2dB		MCS3	-90 dBm	+/-2dB
	MCS4	26 dBm	+/-2dB		MCS4	-86 dBm	+/-2dB
	MCS5	24 dBm	+/-2dB		MCS5	-83 dBm	+/-2dB
	MCS6	22 dBm	+/-2dB		MCS6	-77 dBm	+/-2dB
	MCS7	21 dBm	+/-2dB		MCS7	-74 dBm	+/-2dB
	MCS8	26 dBm	+/-2dB		MCS8	-95 dBm	+/-2dB
	MCS9	26 dBm	+/-2dB		MCS9	-93 dBm	+/-2dB
	MCS10	26 dBm	+/-2dB		MCS10	-90 dBm	+/-2dB
	MCS11	26 dBm	+/-2dB		MCS11	-87 dBm	+/-2dB
	MCS12	26 dBm	+/-2dB		MCS12	-84 dBm	+/-2dB
	MCS13	24 dBm	+/-2dB		MCS13	-79 dBm	+/-2dB
	MCS14	22 dBm	+/-2dB		MCS14	-78 dBm	+/-2dB
MCS15	21 dBm	+/-2dB	MCS15	-75 dBm	+/-2dB		
PHYSICAL / ELECTRICAL / ENVIRONMENTAL							
Enclosure Size	164mm length x 199mm width x 72cm height						
Weight	0.9 kg						
RF Connector	External SMA						
Enclosure Characteristics	Outdoor UV Stabilized Plastic						
Mounting Kit	Pole Mounting Kit included						
Max Power Consumption	6.5 Watts						
Power Supply	24V, 1A POE Supply Included						
Power Method	Passive Power over Ethernet (pairs 4,5+; 7,8 return)						
Operating Temperature	-30C to 75C						
Operating Humidity	5 to 95% Condensing						
Shock and Vibration	ETSI300-019-1.4						
INTEGRATED 2x2 MIMO ANTENNA (There is also an external RP-SMA connector for external higher gain antenna)							
Frequency Range	902-928MHz	Max VSWR	1.3:1				
Gain	7.5 dBi	H-pol Beamwidth	60 deg.				
Polarization	Dual Linear	V-pol Beamwidth	60 deg.				
Cross-pol Isolation	28dB minimum	Elevation Beamwidth	60 deg.				
							
VSWR		H-Pol Azimuth		H-Pol Elevation			
		V-Pol Azimuth		V-Pol Elevation			