

Product datasheet



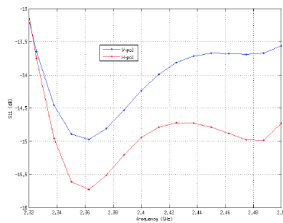
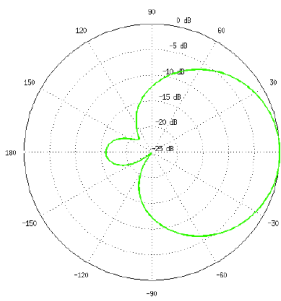
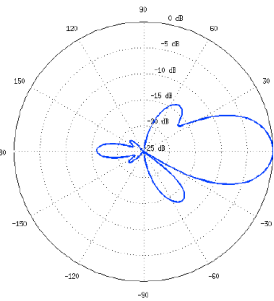
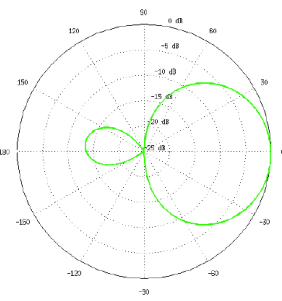
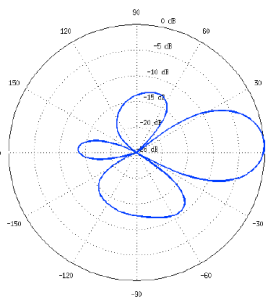
NanoStation M2



Tanaza | Wi-Fi cloud management software

Technical product datasheet

NanoStation M2

SYSTEM INFORMATION			
Processor Specs		Atheros MIPS 24KC, 400MHz	
Memory Information		32MB SDRAM, 8MB Flash	
Networking Interface		2 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	
OPERATING FREQUENCY 2412MHz-2462MHz			
TX POWER SPECIFICATIONS			
	DataRate	Avg. TX	Tolerance
11b/g	1-24Mbps	28 dBm	+/-2dB
	36Mbps	26 dBm	+/-2dB
	48Mbps	25 dBm	+/-2dB
	54Mbps	24 dBm	+/-2dB
11n / Airmax	MCS0	28 dBm	+/-2dB
	MCS1	28 dBm	+/-2dB
	MCS2	28 dBm	+/-2dB
	MCS3	28 dBm	+/-2dB
	MCS4	27 dBm	+/-2dB
	MCS5	25 dBm	+/-2dB
	MCS6	23 dBm	+/-2dB
	MCS7	22 dBm	+/-2dB
	MCS8	28 dBm	+/-2dB
	MCS9	28 dBm	+/-2dB
	MCS10	28 dBm	+/-2dB
	MCS11	28 dBm	+/-2dB
	MCS12	27 dBm	+/-2dB
	MCS13	25 dBm	+/-2dB
	MCS14	23 dBm	+/-2dB
	MCS15	22 dBm	+/-2dB
RX SPECIFICATIONS			
	DataRate	Sensitivity	Tolerance
11b/g	1-24Mbps	-97 dBm min	+/-2dB
	36Mbps	-80 dBm	+/-2dB
	48Mbps	-77 dBm	+/-2dB
	54Mbps	-75 dBm	+/-2dB
11n / Airmax	MCS0	-96 dBm	+/-2dB
	MCS1	-95 dBm	+/-2dB
	MCS2	-92 dBm	+/-2dB
	MCS3	-90 dBm	+/-2dB
	MCS4	-86 dBm	+/-2dB
	MCS5	-83 dBm	+/-2dB
	MCS6	-77 dBm	+/-2dB
	MCS7	-74 dBm	+/-2dB
	MCS8	-95 dBm	+/-2dB
	MCS9	-93 dBm	+/-2dB
	MCS10	-90 dBm	+/-2dB
	MCS11	-87 dBm	+/-2dB
	MCS12	-84 dBm	+/-2dB
	MCS13	-79 dBm	+/-2dB
	MCS14	-78 dBm	+/-2dB
	MCS15	-75 dBm	+/-2dB
PHYSICAL / ELECTRICAL / ENVIRONMENTAL			
Enclosure Size		29.4 cm x 8 cm x 3cm	
Weight		0.4kg	
Enclosure Characteristics		Outdoor UV Stabalized Plastic	
Mounting Kit		Pole Mounting Kit included	
Max Power Consumption		8 Watts	
Power Supply		24V, 0.5A surge portection integrated POE adapter included	
Power Method		Passive Power over Ethernet (pairs 4,5+; 7,8 return)	
Operating Temperature		-30C to +80C	
Operating Humidity		5 to 95% Condensing	
Shock and Vibration		ETSI300-019-1.4	
INTEGRATED 2x2 MIMO ANTENNA			
Frequency Range		2.32-2.55 GHz	
Gain		10.4-11.2 dBi	
Polarization		Dual Linear	
Cross-pol Isolation		23dB minimum	
Max VSWR		1.6:1	
H-pol Beamwidth		55 deg.	
V-pol Beamwidth		53 deg.	
Elevation Beamwidth		27 deg.	
    			
VSWR		H-Pol Azimuth	
		H-Pol Elevation	
		V-Pol Azimuth	
		V-Pol Elevation	