

**DATA RATES FOR MODULATION & CODING SCHEMES
FOR MULTIPLE CHANNEL WIDTHS – Mbps 12Jul10**

IEEE 802.11n Ubiquiti AirOS 'M' series radios

Rates are theoretical; not guaranteed

MCS	MOD	Spatial Streams	40Mhz channel	20Mhz channel	10MHz channel	5Mhz channel
			400ns GI	800ns GI	800ns GI	800ns GI
0	BPSK	1X1	15	6.5	3.25	1.625
1	QPSK	1X1	30	13	6.5	3.25
2	QPSK	1X1	45	19.5	9.75	4.875
3	16-QAM	1X1	60	26	13	6.5
4	16-QAM	1X1	90	39	19.5	9.75
5	64-QAM	1X1	120	52	26	13
6	64-QAM	1X1	135	58.5	29.25	14.625
7	64-QAM	1X1	150	65	32.5	16.25
8	BPSK	2X2	30	13	6.5	3.25
9	QPSK	2X2	60	26	13	6.5
10	QPSK	2X2	90	39	19.5	9.75
11	16-QAM	2X2	120	52	26	13
12	16-QAM	2X2	180	78	39	19.5
13	64-QAM	2X2	240	104	52	26
14	64-QAM	2X2	270	117	58.5	29.25
15	64-QAM	2X2	300	130	65	32.5