

Modulation Techniques

Bits per tone

- BPSK 1
- QPSK 2
- 16-QAM 4
- 64-QAM 6
- 256-QAM 8
- 1024-QAM 10

MCS Index	Modulation	Coding Rate	Relative constellation error (dB)
0	BPSK	1/2	-5
1	QPSK	1/2	-10
2	QPSK	3/4	-13
3	16-QAM	1/2	-16
4	16-QAM	3/4	-19
5	64-QAM	1/2	-22
6	64-QAM	3/4	-25
7	64-QAM	5/6	-27
8	256-QAM	3/4	-30
9	256-QAM	5/6	-32
10	1024-QAM	3/4	-35
11	1024-QAM	5/6	-35

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Modulation	Rate	Min Sensitivity @ 20 MHz	Min Sensitivity @ 40 MHz (dBm)	Min Sensitivity @ 80 MHz (dBm)	Min Sensitivity @ 160 MHz
BPSK	1/2	-82	-79	-76	-73
QPSK	1/2	-79	-76	-73	-70
QPSK	3/4	-77	-74	-71	-68
16-QAM	1/2	-74	-71	-68	-65
16-QAM	3/4	-70	-67	-64	-61
64-QAM	2/3	-66	-63	-60	-57
64-QAM	3/4	-65	-62	-59	-56
64-QAM	5/6	-64	-61	-58	-55
256-QAM	3/4	-59	-65	-53	-50
256-QAM	5/6	-57	-54	-51	-48
1024-QAM	3/4	-54	-51	-48	-45
1024-QAM	5/6	-52	-49	-46	-43