Table 22-30—VHT MCSs for mandatory 20 MHz, N_{SS} = 1

MCS Index	Modulation	R	N_{BPSCS}	N_{SD}	N_{SP}	N_{CBPS}	N_{DBPS}	N_{ES}	Data rate (Mb/s)	
									800 ns GI	400 ns GI
0	BPSK	1/2	1	52	4	52	26	1	6.5	7.2
1	QPSK	1/2	2	52	4	104	52	1	13.0	14.4
2	QPSK	3/4	2	52	4	104	78	1	19.5	21.7
3	16-QAM	1/2	4	52	4	208	104	1	26.0	28.9
4	16-QAM	3/4	4	52	4	208	156	1	39.0	43.3
5	64-QAM	2/3	6	52	4	312	208	1	52.0	57.8
6	64-QAM	3/4	6	52	4	312	234	1	58.5	65.0
7	64-QAM	5/6	6	52	4	312	260	1	65.0	72.2
8	256-QAM	3/4	8	52	4	416	312	1	78.0	86.7
9	Not valid									

Table 22-31—VHT MCSs for optional 20 MHz, N_{SS} = 2

MCS Index	Modulation	R	N_{BPSCS}	N_{SD}	N_{SP}	N_{CBPS}	N_{DBPS}	N_{ES}	Data rate (Mb/s)	
									800 ns GI	400 ns GI
0	BPSK	1/2	1	52	4	104	52	1	13.0	14.4
1	QPSK	1/2	2	52	4	208	104	1	26.0	28.9
2	QPSK	3/4	2	52	4	208	156	1	39.0	43.3
3	16-QAM	1/2	4	52	4	416	208	1	52.0	57.8
4	16-QAM	3/4	4	52	4	416	312	1	78.0	86.7
5	64-QAM	2/3	6	52	4	624	416	1	104.0	115.6
6	64-QAM	3/4	6	52	4	624	468	1	117.0	130.0
7	64-QAM	5/6	6	52	4	624	520	1	130.0	144.4
8	256-QAM	3/4	8	52	4	832	624	1	156.0	173.3
9	Not valid									

Table 22-32—VHT MCSs for optional 20 MHz, N_{SS} = 3

MCS Index	Modulation	R	N_{BPSCS}	N_{SD}	N_{SP}	N_{CBPS}	N_{DBPS}	N_{ES}	Data rate (Mb/s)	
									800 ns GI	400 ns GI
0	BPSK	1/2	1	52	4	156	78	1	19.5	21.7
1	QPSK	1/2	2	52	4	312	156	1	39.0	43.3
2	QPSK	3/4	2	52	4	312	234	1	58.5	65.0
3	16-QAM	1/2	4	52	4	624	312	1	78.0	86.7
4	16-QAM	3/4	4	52	4	624	468	1	117.0	130.0
5	64-QAM	2/3	6	52	4	936	624	1	156.0	173.3
6	64-QAM	3/4	6	52	4	936	702	1	175.5	195.0
7	64-QAM	5/6	6	52	4	936	780	1	195.0	216.7
8	256-QAM	3/4	8	52	4	1248	936	1	234.0	260.0
9	256-QAM	5/6	8	52	4	1248	1040	1	260.0	288.9

Table 22-33—VHT MCSs for optional 20 MHz, N_{SS} = 4

MCS Index	Modulation	R	N_{BPSCS}	N_{SD}	N_{SP}	N_{CBPS}	N_{DBPS}	N_{ES}	Data rate (Mb/s)	
									800 ns GI	400 ns GI
0	BPSK	1/2	1	52	4	208	104	1	26.0	28.9
1	QPSK	1/2	2	52	4	416	208	1	52.0	57.8
2	QPSK	3/4	2	52	4	416	312	1	78.0	86.7
3	16-QAM	1/2	4	52	4	832	416	1	104.0	115.6
4	16-QAM	3/4	4	52	4	832	624	1	156.0	173.3
5	64-QAM	2/3	6	52	4	1248	832	1	208.0	231.1
6	64-QAM	3/4	6	52	4	1248	936	1	234.0	260.0
7	64-QAM	5/6	6	52	4	1248	1040	1	260.0	288.9
8	256-QAM	3/4	8	52	4	1664	1248	1	312.0	346.7
9	Not valid									

Table 22-34—VHT MCSs for optional 20 MHz, N_{SS} = 5

MCS Index	Modulation	R	N_{BPSCS}	N_{SD}	N_{SP}	N_{CBPS}	N_{DBPS}	N_{ES}	Data rate (Mb/s)	
									800 ns GI	400 ns GI
0	BPSK	1/2	1	52	4	260	130	1	32.5	36.1
1	QPSK	1/2	2	52	4	520	260	1	65.0	72.2
2	QPSK	3/4	2	52	4	520	390	1	97.5	108.3
3	16-QAM	1/2	4	52	4	1040	520	1	130.0	144.4
4	16-QAM	3/4	4	52	4	1040	780	1	195.0	216.7
5	64-QAM	2/3	6	52	4	1560	1040	1	260.0	288.9
6	64-QAM	3/4	6	52	4	1560	1170	1	292.5	325.0
7	64-QAM	5/6	6	52	4	1560	1300	1	325.0	361.1
8	256-QAM	3/4	8	52	4	2080	1560	1	390.0	433.3
9	Not valid									

Table 22-35—VHT MCSs for optional 20 MHz, N_{SS} = 6

MCS Index	Modulation	R	N_{BPSCS}	N_{SD}	N_{SP}	N_{CBPS}	N_{DBPS}	N_{ES}	Data rate (Mb/s)	
									800 ns GI	400 ns GI
0	BPSK	1/2	1	52	4	312	156	1	39.0	43.3
1	QPSK	1/2	2	52	4	624	312	1	78.0	86.7
2	QPSK	3/4	2	52	4	624	468	1	117.0	130.0
3	16-QAM	1/2	4	52	4	1248	624	1	156.0	173.3
4	16-QAM	3/4	4	52	4	1248	936	1	234.0	260.0
5	64-QAM	2/3	6	52	4	1872	1248	1	312.0	346.7
6	64-QAM	3/4	6	52	4	1872	1404	1	351.0	390.0
7	64-QAM	5/6	6	52	4	1872	1560	1	390.0	433.3
8	256-QAM	3/4	8	52	4	2496	1872	1	468.0	520.0
9	256-QAM	5/6	8	52	4	2496	2080	1	520.0	577.8

Table 22-36—VHT MCSs for optional 20 MHz, N_{SS} = 7

MCS Index	Modulation	R	N_{BPSCS}	N_{SD}	N_{SP}	N_{CBPS}	N_{DBPS}	N_{ES}	Data rate (Mb/s)	
									800 ns GI	400 ns GI
0	BPSK	1/2	1	52	4	364	182	1	45.5	50.6
1	QPSK	1/2	2	52	4	728	364	1	91.0	101.1
2	QPSK	3/4	2	52	4	728	546	1	136.5	151.7
3	16-QAM	1/2	4	52	4	1456	728	1	182.0	202.2
4	16-QAM	3/4	4	52	4	1456	1092	1	273.0	303.3
5	64-QAM	2/3	6	52	4	2184	1456	1	364.0	404.4
6	64-QAM	3/4	6	52	4	2184	1638	1	409.5	455.0
7	64-QAM	5/6	6	52	4	2184	1820	1	455.0	505.6
8	256-QAM	3/4	8	52	4	2912	2184	2	546.0	606.7
9	Not valid									

Table 22-37—VHT MCSs for optional 20 MHz, N_{SS} = 8

MCS Index	Modulation	R	N_{BPSCS}	N_{SD}	N_{SP}	N_{CBPS}	N_{DBPS}	N_{ES}	Data rate (Mb/s)	
									800 ns GI	400 ns GI
0	BPSK	1/2	1	52	4	416	208	1	52.0	57.8
1	QPSK	1/2	2	52	4	832	416	1	104.0	115.6
2	QPSK	3/4	2	52	4	832	624	1	156.0	173.3
3	16-QAM	1/2	4	52	4	1664	832	1	208.0	231.1
4	16-QAM	3/4	4	52	4	1664	1248	1	312.0	346.7
5	64-QAM	2/3	6	52	4	2496	1664	1	416.0	462.2
6	64-QAM	3/4	6	52	4	2496	1872	1	468.0	520.0
7	64-QAM	5/6	6	52	4	2496	2080	1	520.0	577.8
8	256-QAM	3/4	8	52	4	3328	2496	2	624.0	693.3
9	Not valid									

Table 22-38—VHT MCSs for mandatory 40 MHz, N_{SS} = 1

MCS Index	Modulation	R	N_{BPSCS}	N_{SD}	N_{SP}	N_{CBPS}	N_{DBPS}	N_{ES}	Data rate (Mb/s)	
									800 ns GI	400 ns GI
0	BPSK	1/2	1	108	6	108	54	1	13.5	15.0
1	QPSK	1/2	2	108	6	216	108	1	27.0	30.0
2	QPSK	3/4	2	108	6	216	162	1	40.5	45.0
3	16-QAM	1/2	4	108	6	432	216	1	54.0	60.0
4	16-QAM	3/4	4	108	6	432	324	1	81.0	90.0
5	64-QAM	2/3	6	108	6	648	432	1	108.0	120.0
6	64-QAM	3/4	6	108	6	648	486	1	121.5	135.0
7	64-QAM	5/6	6	108	6	648	540	1	135.0	150.0
8	256-QAM	3/4	8	108	6	864	648	1	162.0	180.0
9	256-QAM	5/6	8	108	6	864	720	1	180.0	200.0

Table 22-39—VHT MCSs for optional 40 MHz, N_{SS} = 2

MCS Index	Modulation	R	N_{BPSCS}	N_{SD}	N_{SP}	N_{CBPS}	N_{DBPS}	N_{ES}	Data rate (Mb/s)	
									800 ns GI	400 ns GI
0	BPSK	1/2	1	108	6	216	108	1	27.0	30.0
1	QPSK	1/2	2	108	6	432	216	1	54.0	60.0
2	QPSK	3/4	2	108	6	432	324	1	81.0	90.0
3	16-QAM	1/2	4	108	6	864	432	1	108.0	120.0
4	16-QAM	3/4	4	108	6	864	648	1	162.0	180.0
5	64-QAM	2/3	6	108	6	1296	864	1	216.0	240.0
6	64-QAM	3/4	6	108	6	1296	972	1	243.0	270.0
7	64-QAM	5/6	6	108	6	1296	1080	1	270.0	300.0
8	256-QAM	3/4	8	108	6	1728	1296	1	324.0	360.0
9	256-QAM	5/6	8	108	6	1728	1440	1	360.0	400.0

Table 22-40—VHT MCSs for optional 40 MHz, N_{SS} = 3

MCS Index	Modulation	R	N_{BPSCS}	N_{SD}	N_{SP}	N_{CBPS}	N_{DBPS}	N_{ES}	Data rate (Mb/s)	
									800 ns GI	400 ns GI
0	BPSK	1/2	1	108	6	324	162	1	40.5	45.0
1	QPSK	1/2	2	108	6	648	324	1	81.0	90.0
2	QPSK	3/4	2	108	6	648	486	1	121.5	135.0
3	16-QAM	1/2	4	108	6	1296	648	1	162.0	180.0
4	16-QAM	3/4	4	108	6	1296	972	1	243.0	270.0
5	64-QAM	2/3	6	108	6	1944	1296	1	324.0	360.0
6	64-QAM	3/4	6	108	6	1944	1458	1	364.5	405.0
7	64-QAM	5/6	6	108	6	1944	1620	1	405.0	450.0
8	256-QAM	3/4	8	108	6	2592	1944	1	486.0	540.0
9	256-QAM	5/6	8	108	6	2592	2160	1	540.0	600.0

Table 22-41—VHT MCSs for optional 40 MHz, N_{SS} = 4

MCS Index	Modulation	R	N_{BPSCS}	N_{SD}	N_{SP}	N_{CBPS}	N_{DBPS}	N_{ES}	Data rate (Mb/s) 800 ns GI	400 ns GI
0	BPSK	1/2	1	108	6	432	216	1	54.0	60.0
1	QPSK	1/2	2	108	6	864	432	1	108.0	120.0
2	QPSK	3/4	2	108	6	864	648	1	162.0	180.0
3	16-QAM	1/2	4	108	6	1728	864	1	216.0	240.0
4	16-QAM	3/4	4	108	6	1728	1296	1	324.0	360.0
5	64-QAM	2/3	6	108	6	2592	1728	1	432.0	480.0
6	64-QAM	3/4	6	108	6	2592	1944	1	486.0	540.0
7	64-QAM	5/6	6	108	6	2592	2160	1	540.0	600.0
8	256-QAM	3/4	8	108	6	3456	2592	2	648.0	720.0
9	256-QAM	5/6	8	108	6	3456	2880	2	720.0	800.0

Table 22-42—VHT MCSs for optional 40 MHz, N_{SS} = 5

MCS Index	Modulation	R	N_{BPSCS}	N_{SD}	N_{SP}	N_{CBPS}	N_{DBPS}	N_{ES}	Data rate (Mb/s) 800 ns GI	400 ns GI
0	BPSK	1/2	1	108	6	540	270	1	67.5	75.0
1	QPSK	1/2	2	108	6	1080	540	1	135.0	150.0
2	QPSK	3/4	2	108	6	1080	810	1	202.5	225.0
3	16-QAM	1/2	4	108	6	2160	1080	1	270.0	300.0
4	16-QAM	3/4	4	108	6	2160	1620	1	405.0	450.0
5	64-QAM	2/3	6	108	6	3240	2160	1	540.0	600.0
6	64-QAM	3/4	6	108	6	3240	2430	2	607.5	675.0
7	64-QAM	5/6	6	108	6	3240	2700	2	675.0	750.0
8	256-QAM	3/4	8	108	6	4320	3240	2	810.0	900.0
9	256-QAM	5/6	8	108	6	4320	3600	2	900.0	1000.0

Table 22-43—VHT MCSs for optional 40 MHz, N_{SS} = 6

MCS Index	Modulation	R	N_{BPSCS}	N_{SD}	N_{SP}	N_{CBPS}	N_{DBPS}	N_{ES}	Data rate (Mb/s)	
									800 ns GI	400 ns GI
0	BPSK	1/2	1	108	6	648	324	1	81.0	90.0
1	QPSK	1/2	2	108	6	1296	648	1	162.0	180.0
2	QPSK	3/4	2	108	6	1296	972	1	243.0	270.0
3	16-QAM	1/2	4	108	6	2592	1296	1	324.0	360.0
4	16-QAM	3/4	4	108	6	2592	1944	1	486.0	540.0
5	64-QAM	2/3	6	108	6	3888	2592	2	648.0	720.0
6	64-QAM	3/4	6	108	6	3888	2916	2	729.0	810.0
7	64-QAM	5/6	6	108	6	3888	3240	2	810.0	900.0
8	256-QAM	3/4	8	108	6	5184	3888	2	972.0	1080.0
9	256-QAM	5/6	8	108	6	5184	4320	2	1080.0	1200.0

Table 22-44—VHT MCSs for optional 40 MHz, N_{SS} = 7

MCS Index	Modulation	R	N_{BPSCS}	N_{SD}	N_{SP}	N_{CBPS}	N_{DBPS}	N_{ES}	Data rate (Mb/s)	
									800 ns GI	400 ns GI
0	BPSK	1/2	1	108	6	756	378	1	94.5	105.0
1	QPSK	1/2	2	108	6	1512	756	1	189.0	210.0
2	QPSK	3/4	2	108	6	1512	1134	1	283.5	315.0
3	16-QAM	1/2	4	108	6	3024	1512	1	378.0	420.0
4	16-QAM	3/4	4	108	6	3024	2268	2	567.0	630.0
5	64-QAM	2/3	6	108	6	4536	3024	2	756.0	840.0
6	64-QAM	3/4	6	108	6	4536	3402	2	850.5	945.0
7	64-QAM	5/6	6	108	6	4536	3780	2	945.0	1050.0
8	256-QAM	3/4	8	108	6	6048	4536	3	1134.0	1260.0
9	256-QAM	5/6	8	108	6	6048	5040	3	1260.0	1400.0

Table 22-45—VHT MCSs for optional 40 MHz, N_{SS} = 8

MCS Index	Modulation	R	N_{BPSCS}	N_{SD}	N_{SP}	N_{CBPS}	N_{DBPS}	N_{ES}	Data rate (Mb/s)	
									800 ns GI	400 ns GI
0	BPSK	1/2	1	108	6	864	432	1	108.0	120.0
1	QPSK	1/2	2	108	6	1728	864	1	216.0	240.0
2	QPSK	3/4	2	108	6	1728	1296	1	324.0	360.0
3	16-QAM	1/2	4	108	6	3456	1728	1	432.0	480.0
4	16-QAM	3/4	4	108	6	3456	2592	2	648.0	720.0
5	64-QAM	2/3	6	108	6	5184	3456	2	864.0	960.0
6	64-QAM	3/4	6	108	6	5184	3888	2	972.0	1080.0
7	64-QAM	5/6	6	108	6	5184	4320	2	1080.0	1200.0
8	256-QAM	3/4	8	108	6	6912	5184	3	1296.0	1440.0
9	256-QAM	5/6	8	108	6	6912	5760	3	1440.0	1600.0

Table 22-46—VHT MCSs for mandatory 80 MHz, N_{SS} = 1

MCS Index	Modulation	R	N_{BPSCS}	N_{SD}	N_{SP}	N_{CBPS}	N_{DBPS}	N_{ES}	Data rate (Mb/s)	
									800 ns GI	400 ns GI
0	BPSK	1/2	1	234	8	234	117	1	29.3	32.5
1	QPSK	1/2	2	234	8	468	234	1	58.5	65.0
2	QPSK	3/4	2	234	8	468	351	1	87.8	97.5
3	16-QAM	1/2	4	234	8	936	468	1	117.0	130.0
4	16-QAM	3/4	4	234	8	936	702	1	175.5	195.0
5	64-QAM	2/3	6	234	8	1404	936	1	234.0	260.0
6	64-QAM	3/4	6	234	8	1404	1053	1	263.3	292.5
7	64-QAM	5/6	6	234	8	1404	1170	1	292.5	325.0
8	256-QAM	3/4	8	234	8	1872	1404	1	351.0	390.0
9	256-QAM	5/6	8	234	8	1872	1560	1	390.0	433.3

Table 22-47—VHT MCSs for optional 80 MHz, N_{SS} = 2

MCS Index	Modulation	R	N_{BPSCS}	N_{SD}	N_{SP}	N_{CBPS}	N_{DBPS}	N_{ES}	Data rate (Mb/s)	
									800 ns GI	400 ns GI
0	BPSK	1/2	1	234	8	468	234	1	58.5	65.0
1	QPSK	1/2	2	234	8	936	468	1	117.0	130.0
2	QPSK	3/4	2	234	8	936	702	1	175.5	195.0
3	16-QAM	1/2	4	234	8	1872	936	1	234.0	260.0
4	16-QAM	3/4	4	234	8	1872	1404	1	351.0	390.0
5	64-QAM	2/3	6	234	8	2808	1872	1	468.0	520.0
6	64-QAM	3/4	6	234	8	2808	2106	1	526.5	585.0
7	64-QAM	5/6	6	234	8	2808	2340	2	585.0	650.0
8	256-QAM	3/4	8	234	8	3744	2808	2	702.0	780.0
9	256-QAM	5/6	8	234	8	3744	3120	2	780.0	866.7

Table 22-48—VHT MCSs for optional 80 MHz, N_{SS} = 3

MCS Index	Modulation	R	N_{BPSCS}	N_{SD}	N_{SP}	N_{CBPS}	N_{DBPS}	N_{ES}	Data rate (Mb/s)	
									800 ns GI	400 ns GI
0	BPSK	1/2	1	234	8	702	351	1	87.8	97.5
1	QPSK	1/2	2	234	8	1404	702	1	175.5	195.0
2	QPSK	3/4	2	234	8	1404	1053	1	263.3	292.5
3	16-QAM	1/2	4	234	8	2808	1404	1	351.0	390.0
4	16-QAM	3/4	4	234	8	2808	2106	1	526.5	585.0
5	64-QAM	2/3	6	234	8	4212	2808	2	702.0	780.0
6	Not valid									
7	64-QAM	5/6	6	234	8	4212	3510	2	877.5	975.0
8	256-QAM	3/4	8	234	8	5616	4212	2	1053.0	1170.0
9	256-QAM	5/6	8	234	8	5616	4680	3	1170.0	1300.0

Table 22-49—VHT MCSs for optional 80 MHz, N_{SS} = 4

MCS Index	Modulation	R	N_{BPSCS}	N_{SD}	N_{SP}	N_{CBPS}	N_{DBPS}	N_{ES}	Data rate (Mb/s)	
									800 ns GI	400 ns GI
0	BPSK	1/2	1	234	8	936	468	1	117.0	130.0
1	QPSK	1/2	2	234	8	1872	936	1	234.0	260.0
2	QPSK	3/4	2	234	8	1872	1404	1	351.0	390.0
3	16-QAM	1/2	4	234	8	3744	1872	1	468.0	520.0
4	16-QAM	3/4	4	234	8	3744	2808	2	702.0	780.0
5	64-QAM	2/3	6	234	8	5616	3744	2	936.0	1040.0
6	64-QAM	3/4	6	234	8	5616	4212	2	1053.0	1170.0
7	64-QAM	5/6	6	234	8	5616	4680	3	1170.0	1300.0
8	256-QAM	3/4	8	234	8	7488	5616	3	1404.0	1560.0
9	256-QAM	5/6	8	234	8	7488	6240	3	1560.0	1733.3

Table 22-50—VHT MCSs for optional 80 MHz, N_{SS} = 5

MCS Index	Modulation	R	N_{BPSCS}	N_{SD}	N_{SP}	N_{CBPS}	N_{DBPS}	N_{ES}	Data rate (Mb/s)	
									800 ns GI	400 ns GI
0	BPSK	1/2	1	234	8	1170	585	1	146.3	162.5
1	QPSK	1/2	2	234	8	2340	1170	1	292.5	325.0
2	QPSK	3/4	2	234	8	2340	1755	1	438.8	487.5
3	16-QAM	1/2	4	234	8	4680	2340	2	585.0	650.0
4	16-QAM	3/4	4	234	8	4680	3510	2	877.5	975.0
5	64-QAM	2/3	6	234	8	7020	4680	3	1170.0	1300.0
6	64-QAM	3/4	6	234	8	7020	5265	3	1316.3	1462.5
7	64-QAM	5/6	6	234	8	7020	5850	3	1462.5	1625.0
8	256-QAM	3/4	8	234	8	9360	7020	4	1755.0	1950.0
9	256-QAM	5/6	8	234	8	9360	7800	4	1950.0	2166.7

Table 22-51—VHT MCSs for optional 80 MHz, N_{SS} = 6

MCS Index	Modulation	R	N_{BPSCS}	N_{SD}	N_{SP}	N_{CBPS}	N_{DBPS}	N_{ES}	Data rate (Mb/s)	
									800 ns GI	400 ns GI
0	BPSK	1/2	1	234	8	1404	702	1	175.5	195.0
1	QPSK	1/2	2	234	8	2808	1404	1	351.0	390.0
2	QPSK	3/4	2	234	8	2808	2106	1	526.5	585.0
3	16-QAM	1/2	4	234	8	5616	2808	2	702.0	780.0
4	16-QAM	3/4	4	234	8	5616	4212	2	1053.0	1170.0
5	64-QAM	2/3	6	234	8	8424	5616	3	1404.0	1560.0
6	64-QAM	3/4	6	234	8	8424	6318	3	1579.5	1755.0
7	64-QAM	5/6	6	234	8	8424	7020	4	1755.0	1950.0
8	256-QAM	3/4	8	234	8	11232	8424	4	2106.0	2340.0
9	Not valid									

Table 22-52—VHT MCSs for optional 80 MHz, N_{SS} = 7

MCS Index	Modulation	R	N_{BPSCS}	N_{SD}	N_{SP}	N_{CBPS}	N_{DBPS}	N_{ES}	Data rate (Mb/s)	
									800 ns GI	400 ns GI
0	BPSK	1/2	1	234	8	1638	819	1	204.8	227.5
1	QPSK	1/2	2	234	8	3276	1638	1	409.5	455.0
2	QPSK	3/4	2	234	8	3276	2457	3	614.3	682.5
3	16-QAM	1/2	4	234	8	6552	3276	2	819.0	910.0
4	16-QAM	3/4	4	234	8	6552	4914	3	1228.5	1365.0
5	64-QAM	2/3	6	234	8	9828	6552	4	1638.0	1820.0
6	Not valid									
7	64-QAM	5/6	6	234	8	9828	8190	6	2047.5	2275.0
8	256-QAM	3/4	8	234	8	13104	9828	6	2457.0	2730.0
9	256-QAM	5/6	8	234	8	13104	10920	6	2730	3033.3

Table 22-53—VHT MCSs for optional 80 MHz, N_{SS} = 8

MCS Index	Modulation	R	N_{BPSCS}	N_{SD}	N_{SP}	N_{CBPS}	N_{DBPS}	N_{ES}	Data rate (Mb/s)	
									800 ns GI	400 ns GI
0	BPSK	1/2	1	234	8	1872	936	1	234.0	260.0
1	QPSK	1/2	2	234	8	3744	1872	1	468.0	520.0
2	QPSK	3/4	2	234	8	3744	2808	2	702.0	780.0
3	16-QAM	1/2	4	234	8	7488	3744	2	936.0	1040.0
4	16-QAM	3/4	4	234	8	7488	5616	3	1404.0	1560.0
5	64-QAM	2/3	6	234	8	11232	7488	4	1872.0	2080.0
6	64-QAM	3/4	6	234	8	11232	8424	4	2106.0	2340.0
7	64-QAM	5/6	6	234	8	11232	9360	6	2340.0	2600.0
8	256-QAM	3/4	8	234	8	14976	11232	6	2808.0	3120.0
9	256-QAM	5/6	8	234	8	14976	12480	6	3120.0	3466.7

Table 22-54—VHT MCSs for optional 160 MHz and 80+80 MHz, N_{SS} = 1

MCS Index	Modulation	R	N_{BPSCS}	$N_{SD} \cdot N_{Seg}$	N_{SP}	N_{CBPS}	N_{DBPS}	N_{ES}	Data rate (Mb/s)	
									800 ns GI	400 ns GI
0	BPSK	1/2	1	468	16	468	234	1	58.5	65.0
1	QPSK	1/2	2	468	16	936	468	1	117.0	130.0
2	QPSK	3/4	2	468	16	936	702	1	175.5	195.0
3	16-QAM	1/2	4	468	16	1872	936	1	234.0	260.0
4	16-QAM	3/4	4	468	16	1872	1404	1	351.0	390.0
5	64-QAM	2/3	6	468	16	2808	1872	1	468.0	520.0
6	64-QAM	3/4	6	468	16	2808	2106	1	526.5	585.0
7	64-QAM	5/6	6	468	16	2808	2340	2	585.0	650.0
8	256-QAM	3/4	8	468	16	3744	2808	2	702.0	780.0
9	256-QAM	5/6	8	468	16	3744	3120	2	780.0	866.7

Table 22-55—VHT MCSs for optional 160 MHz and 80+80 MHz, N_{SS} = 2

MCS Index	Modulation	R	N_{BPSCS}	$N_{SD} \cdot N_{Seg}$	N_{SP}	N_{CBPS}	N_{DBPS}	N_{ES}	Data rate (Mb/s)	
									800 ns GI	400 ns GI
0	BPSK	1/2	1	468	16	936	468	1	117.0	130.0
1	QPSK	1/2	2	468	16	1872	936	1	234.0	260.0
2	QPSK	3/4	2	468	16	1872	1404	1	351.0	390.0
3	16-QAM	1/2	4	468	16	3744	1872	1	468.0	520.0
4	16-QAM	3/4	4	468	16	3744	2808	2	702.0	780.0
5	64-QAM	2/3	6	468	16	5616	3744	2	936.0	1040.0
6	64-QAM	3/4	6	468	16	5616	4212	2	1053.0	1170.0
7	64-QAM	5/6	6	468	16	5616	4680	3	1170.0	1300.0
8	256-QAM	3/4	8	468	16	7488	5616	3	1404.0	1560.0
9	256-QAM	5/6	8	468	16	7488	6240	3	1560.0	1733.3

Table 22-56—VHT MCSs for optional 160 MHz and 80+80 MHz, N_{SS} = 3

MCS Index	Modulation	R	N_{BPSCS}	$N_{SD} \cdot N_{Seg}$	N_{SP}	N_{CBPS}	N_{DBPS}	N_{ES}	Data rate (Mb/s)	
									800 ns GI	400 ns GI
0	BPSK	1/2	1	468	16	1404	702	1	175.5	195.0
1	QPSK	1/2	2	468	16	2808	1404	1	351.0	390.0
2	QPSK	3/4	2	468	16	2808	2106	1	526.5	585.0
3	16-QAM	1/2	4	468	16	5616	2808	2	702.0	780.0
4	16-QAM	3/4	4	468	16	5616	4212	2	1053.0	1170.0
5	64-QAM	2/3	6	468	16	8424	5616	3	1404.0	1560.0
6	64-QAM	3/4	6	468	16	8424	6318	3	1579.5	1755.0
7	64-QAM	5/6	6	468	16	8424	7020	4	1755.0	1950.0
8	256-QAM	3/4	8	468	16	11232	8424	4	2106.0	2340.0
9						Not valid				

Table 22-57—VHT MCSs for optional 160 MHz and 80+80 MHz, N_{SS} = 4

MCS Index	Modulation	R	N_{BPSCS}	$N_{SD}{\cdot}N_{Seg}$	N_{SP}	N_{CBPS}	N_{DBPS}	N_{ES}	Data rate (Mb/s)	
									800 ns GI	400 ns GI
0	BPSK	1/2	1	468	16	1872	936	1	234.0	260.0
1	QPSK	1/2	2	468	16	3744	1872	1	468.0	520.0
2	QPSK	3/4	2	468	16	3744	2808	2	702.0	780.0
3	16-QAM	1/2	4	468	16	7488	3744	2	936.0	1040.0
4	16-QAM	3/4	4	468	16	7488	5616	3	1404.0	1560.0
5	64-QAM	2/3	6	468	16	11232	7488	4	1872.0	2080.0
6	64-QAM	3/4	6	468	16	11232	8424	4	2106.0	2340.0
7	64-QAM	5/6	6	468	16	11232	9360	6	2340.0	2600.0
8	256-QAM	3/4	8	468	16	14976	11232	6	2808.0	3120.0
9	256-QAM	5/6	8	468	16	14976	12480	6	3120.0	3466.7

Table 22-58—VHT MCSs for optional 160 MHz and 80+80 MHz, N_{SS} = 5

MCS Index	Modulation	R	N_{BPSCS}	$N_{SD}{\cdot}N_{Seg}$	N_{SP}	N_{CBPS}	N_{DBPS}	N_{ES}	Data rate (Mb/s)	
									800 ns GI	400 ns GI
0	BPSK	1/2	1	468	16	2340	1170	1	292.5	325.0
1	QPSK	1/2	2	468	16	4680	2340	2	585.0	650.0
2	QPSK	3/4	2	468	16	4680	3510	2	877.5	975.0
3	16-QAM	1/2	4	468	16	9360	4680	3	1170.0	1300.0
4	16-QAM	3/4	4	468	16	9360	7020	4	1755.0	1950.0
5	64-QAM	2/3	6	468	16	14040	9360	5	2340.0	2600.0
6	64-QAM	3/4	6	468	16	14040	10530	5	2632.5	2925.0
7	64-QAM	5/6	6	468	16	14040	11700	6	2925.0	3250.0
8	256-QAM	3/4	8	468	16	18720	14040	8	3510.0	3900.0
9	256-QAM	5/6	8	468	16	18720	15600	8	3900.0	4333.3

Table 22-59—VHT MCSs for optional 160 MHz and 80+80 MHz, N_{SS} = 6

MCS Index	Modulation	R	N_{BPSCS}	$N_{SD} \cdot N_{Seg}$	N_{SP}	N_{CBPS}	N_{DBPS}	N_{ES}	Data rate (Mb/s)	
									800 ns GI	400 ns GI
0	BPSK	1/2	1	468	16	2808	1404	1	351.0	390.0
1	QPSK	1/2	2	468	16	5616	2808	2	702.0	780.0
2	QPSK	3/4	2	468	16	5616	4212	2	1053.0	1170.0
3	16-QAM	1/2	4	468	16	11232	5616	3	1404.0	1560.0
4	16-QAM	3/4	4	468	16	11232	8424	4	2106.0	2340.0
5	64-QAM	2/3	6	468	16	16848	11232	6	2808.0	3120.0
6	64-QAM	3/4	6	468	16	16848	12636	6	3159.0	3510.0
7	64-QAM	5/6	6	468	16	16848	14040	8	3510.0	3900.0
8	256-QAM	3/4	8	468	16	22464	16848	8	4212.0	4680.0
9	256-QAM	5/6	8	468	16	22464	18720	9	4680.0	5200.0

Table 22-60—VHT MCSs for optional 160 MHz and 80+80 MHz, N_{SS} = 7

MCS Index	Modulation	R	N_{BPSCS}	$N_{SD} \cdot N_{Seg}$	N_{SP}	N_{CBPS}	N_{DBPS}	N_{ES}	Data rate (Mb/s)	
									800 ns GI	400 ns GI
0	BPSK	1/2	1	468	16	3276	1638	1	409.5	455.0
1	QPSK	1/2	2	468	16	6552	3276	2	819.0	910.0
2	QPSK	3/4	2	468	16	6552	4914	3	1228.5	1365.0
3	16-QAM	1/2	4	468	16	13104	6552	4	1638.0	1820.0
4	16-QAM	3/4	4	468	16	13104	9828	6	2457.0	2730.0
5	64-QAM	2/3	6	468	16	19656	13104	7	3276.0	3640.0
6	64-QAM	3/4	6	468	16	19656	14742	7	3685.5	4095.0
7	64-QAM	5/6	6	468	16	19656	16380	9	4095.0	4550.0
8	256-QAM	3/4	8	468	16	26208	19656	12	4914.0	5460.0
9	256-QAM	5/6	8	468	16	26208	21840	12	5460.0	6066.7

Table 22-61—VHT MCSs for optional 160 MHz and 80+80 MHz, N_{SS} = 8

MCS Index	Modulation	R	N_{BPSCS}	$N_{SD} \cdot N_{Seg}$	N_{SP}	N_{CBPS}	N_{DBPS}	N_{ES}	Data rate (Mb/s)	
									800 ns GI	400 ns GI
0	BPSK	1/2	1	468	16	3744	1872	1	468.0	520.0
1	QPSK	1/2	2	468	16	7488	3744	2	936.0	1040.0
2	QPSK	3/4	2	468	16	7488	5616	3	1404.0	1560.0
3	16-QAM	1/2	4	468	16	14976	7488	4	1872.0	2080.0
4	16-QAM	3/4	4	468	16	14976	11232	6	2808.0	3120.0
5	64-QAM	2/3	6	468	16	22464	14976	8	3744.0	4160.0
6	64-QAM	3/4	6	468	16	22464	16848	8	4212.0	4680.0
7	64-QAM	5/6	6	468	16	22464	18720	9	4680.0	5200.0
8	256-QAM	3/4	8	468	16	29952	22464	12	5616.0	6240.0
9	256-QAM	5/6	8	468	16	29952	24960	12	6240.0	6933.3