

802.11ac - VHT

MCS, SNR and RSSI

| VHT MCS | Modulation | Coding | 20MHz | | | | 40MHz | | | | 80MHz | | | | 160MHz | | | |
|-------------------|------------|--------|-----------|-------|----------|------|-----------|-------|----------|------|-----------|-------|----------|------|-----------|--------|----------|------|
| | | | Data Rate | | Min. SNR | RSSI | Data Rate | | Min. SNR | RSSI | Data Rate | | Min. SNR | RSSI | Data Rate | | Min. SNR | RSSI |
| | | | 800ns | 400ns | | | 800ns | 400ns | | | 800ns | 400ns | | | 800ns | 400ns | | |
| 1 Spatial Stream | | | | | | | | | | | | | | | | | | |
| 0 | BPSK | 1/2 | 6.5 | 7.2 | 2 | -82 | 13.5 | 15 | 5 | -79 | 29.3 | 32.5 | 8 | -76 | 58.5 | 65 | 11 | -73 |
| 1 | QPSK | 1/2 | 13 | 14.4 | 5 | -79 | 27 | 30 | 8 | -76 | 58.5 | 65 | 11 | -73 | 117 | 130 | 14 | -70 |
| 2 | QPSK | 3/4 | 19.5 | 21.7 | 9 | -77 | 40.5 | 45 | 12 | -74 | 87.8 | 97.5 | 15 | -71 | 175.5 | 195 | 18 | -68 |
| 3 | 16-QAM | 1/2 | 26 | 28.9 | 11 | -74 | 54 | 60 | 14 | -71 | 117 | 130 | 17 | -68 | 234 | 260 | 20 | -65 |
| 4 | 16-QAM | 3/4 | 39 | 43.3 | 15 | -70 | 81 | 90 | 18 | -67 | 175.5 | 195 | 21 | -64 | 351 | 390 | 24 | -61 |
| 5 | 64-QAM | 2/3 | 52 | 57.8 | 18 | -66 | 108 | 120 | 21 | -63 | 234 | 260 | 24 | -60 | 468 | 520 | 27 | -57 |
| 6 | 64-QAM | 3/4 | 58.5 | 65 | 20 | -65 | 121.5 | 135 | 23 | -62 | 263.3 | 292.5 | 26 | -59 | 526.5 | 585 | 29 | -56 |
| 7 | 64-QAM | 5/6 | 65 | 72.2 | 25 | -64 | 135 | 150 | 28 | -61 | 292.5 | 325 | 31 | -58 | 585 | 650 | 34 | -55 |
| 8 | 256-QAM | 3/4 | 78 | 86.7 | 29 | -59 | 162 | 180 | 32 | -56 | 351 | 390 | 35 | -53 | 702 | 780 | 38 | -50 |
| 9 | 256-QAM | 5/6 | | | 31 | -57 | 180 | 200 | 34 | -54 | 390 | 433.3 | 37 | -51 | 780 | 866.7 | 40 | -48 |
| 2 Spatial Streams | | | | | | | | | | | | | | | | | | |
| 0 | BPSK | 1/2 | 13 | 14.4 | 2 | -82 | 27 | 30 | 5 | -79 | 58.5 | 65 | 8 | -76 | 117 | 130 | 11 | -73 |
| 1 | QPSK | 1/2 | 26 | 28.9 | 5 | -79 | 54 | 60 | 8 | -76 | 117 | 130 | 11 | -73 | 234 | 260 | 14 | -70 |
| 2 | QPSK | 3/4 | 39 | 43.3 | 9 | -77 | 81 | 90 | 12 | -74 | 175.5 | 195 | 15 | -71 | 351 | 390 | 18 | -68 |
| 3 | 16-QAM | 1/2 | 52 | 57.8 | 11 | -74 | 108 | 120 | 14 | -71 | 234 | 260 | 17 | -68 | 468 | 520 | 20 | -65 |
| 4 | 16-QAM | 3/4 | 78 | 86.7 | 15 | -70 | 162 | 180 | 18 | -67 | 351 | 390 | 21 | -64 | 702 | 780 | 24 | -61 |
| 5 | 64-QAM | 2/3 | 104 | 115.6 | 18 | -66 | 216 | 240 | 21 | -63 | 468 | 520 | 24 | -60 | 936 | 1040 | 27 | -57 |
| 6 | 64-QAM | 3/4 | 117 | 130.3 | 20 | -65 | 243 | 270 | 23 | -62 | 526.5 | 585 | 26 | -59 | 1053 | 1170 | 29 | -56 |
| 7 | 64-QAM | 5/6 | 130 | 144.4 | 25 | -64 | 270 | 300 | 28 | -61 | 585 | 650 | 31 | -58 | 1170 | 1300 | 34 | -55 |
| 8 | 256-QAM | 3/4 | 156 | 173.3 | 29 | -59 | 324 | 360 | 32 | -56 | 702 | 780 | 35 | -53 | 1404 | 1560 | 38 | -50 |
| 9 | 256-QAM | 5/6 | | | 31 | -57 | 360 | 400 | 34 | -54 | 780 | 866.7 | 37 | -51 | 1560 | 1733.3 | 40 | -48 |
| 3 Spatial Streams | | | | | | | | | | | | | | | | | | |
| 0 | BPSK | 1/2 | 19.5 | 21.7 | 2 | -82 | 40.5 | 45 | 5 | -79 | 87.8 | 97.5 | 8 | -76 | 175.5 | 195 | 11 | -73 |
| 1 | QPSK | 1/2 | 39 | 43.3 | 5 | -79 | 81 | 90 | 8 | -76 | 175.5 | 195 | 11 | -73 | 351 | 390 | 14 | -70 |
| 2 | QPSK | 3/4 | 58.5 | 65 | 9 | -77 | 121.5 | 135 | 12 | -74 | 263.3 | 292.5 | 15 | -71 | 526.5 | 585 | 18 | -68 |
| 3 | 16-QAM | 1/2 | 78 | 86.7 | 11 | -74 | 162 | 180 | 14 | -71 | 351 | 390 | 17 | -68 | 702 | 780 | 20 | -65 |
| 4 | 16-QAM | 3/4 | 117 | 130 | 15 | -70 | 243 | 270 | 18 | -67 | 526.5 | 585 | 21 | -64 | 1053 | 1170 | 24 | -61 |
| 5 | 64-QAM | 2/3 | 156 | 173.3 | 18 | -66 | 324 | 360 | 21 | -63 | 702 | 780 | 24 | -60 | 1404 | 1560 | 27 | -57 |
| 6 | 64-QAM | 3/4 | 175.5 | 195 | 20 | -65 | 364.5 | 405 | 23 | -62 | | | 26 | -59 | 1579.5 | 1755 | 29 | -56 |
| 7 | 64-QAM | 5/6 | 195 | 216.7 | 25 | -64 | 405 | 450 | 28 | -61 | 877.5 | 975 | 31 | -58 | 1755 | 1950 | 34 | -55 |
| 8 | 256-QAM | 3/4 | 234 | 260 | 29 | -59 | 486 | 540 | 32 | -56 | 1053 | 1170 | 35 | -53 | 2106 | 2340 | 38 | -50 |
| 9 | 256-QAM | 5/6 | 260 | 288.9 | 31 | -57 | 540 | 600 | 34 | -54 | 1170 | 1300 | 37 | -51 | | | 40 | -48 |