# Appendix for Band 4

## Appendix A: Average Power Output Data

### Test Result

### Channel Bandwidth: 1.4 MHz

| Channel Bandwidth: 1.4 MHz | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Channel | RB Configuration | | Average Power [dBm] | E.i.r.p [dBm] | Verdict |
| | | Size | Offset | | | |
| QPSK | LCH | 1 | 0 | 23.29 | 23.29 | PASS |
| | | 1 | 3 | 23.31 | 23.31 | PASS |
| | | 1 | 5 | 23.26 | 23.26 | PASS |
| | | 3 | 0 | 23.34 | 23.34 | PASS |
| | | 3 | 2 | 23.34 | 23.34 | PASS |
| | | 3 | 3 | 23.36 | 23.36 | PASS |
| | | 6 | 0 | 23.44 | 23.44 | PASS |
| | MCH | 1 | 0 | 22.73 | 22.73 | PASS |
| | | 1 | 3 | 22.83 | 22.83 | PASS |
| | | 1 | 5 | 22.75 | 22.75 | PASS |
| | | 3 | 0 | 22.83 | 22.83 | PASS |
| | | 3 | 2 | 22.76 | 22.76 | PASS |
| | | 3 | 3 | 22.78 | 22.78 | PASS |
| | | 6 | 0 | 22.76 | 22.76 | PASS |
| | HCH | 1 | 0 | 23.23 | 23.23 | PASS |
| | | 1 | 3 | 23.27 | 23.27 | PASS |
| | | 1 | 5 | 23.26 | 23.26 | PASS |
| | | 3 | 0 | 23.40 | 23.40 | PASS |
| | | 3 | 2 | 23.39 | 23.39 | PASS |
| | | 3 | 3 | 23.39 | 23.39 | PASS |
| | | 6 | 0 | 23.29 | 23.29 | PASS |
| 16QAM | LCH | 1 | 0 | 23.45 | 23.45 | PASS |
| | | 1 | 3 | 23.60 | 23.60 | PASS |
| | | 1 | 5 | 23.45 | 23.45 | PASS |
| | | 3 | 0 | 23.44 | 23.44 | PASS |
| | | 3 | 2 | 23.40 | 23.40 | PASS |
| | | 3 | 3 | 23.41 | 23.41 | PASS |
| | | 6 | 0 | 23.34 | 23.34 | PASS |
| | MCH | 1 | 0 | 23.08 | 23.08 | PASS |
| | | 1 | 3 | 23.20 | 23.20 | PASS |
| | | 1 | 5 | 23.09 | 23.09 | PASS |
| | | 3 | 0 | 22.78 | 22.78 | PASS |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | 3 | 2 | 22.78 | 22.78 | PASS |
| | | 3 | 3 | 22.81 | 22.81 | PASS |
| | | 6 | 0 | 22.73 | 22.73 | PASS |
| | HCH | 1 | 0 | 23.46 | 23.46 | PASS |
| | | 1 | 3 | 23.53 | 23.53 | PASS |
| | | 1 | 5 | 23.48 | 23.48 | PASS |
| | | 3 | 0 | 23.44 | 23.44 | PASS |
| | | 3 | 2 | 23.43 | 23.43 | PASS |
| | | 3 | 3 | 23.41 | 23.41 | PASS |
| | | 6 | 0 | 23.39 | 23.39 | PASS |

## Channel Bandwidth: 3 MHz

| Channel Bandwidth: 3 MHz | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Channel | RB Configuration | | Average Power [dBm] | E.i.r.p [dBm] | Verdict |
| | | Size | Offset | | | |
| QPSK | LCH | 1 | 0 | 23.41 | 23.41 | PASS |
| | | 1 | 7 | 23.40 | 23.40 | PASS |
| | | 1 | 14 | 23.33 | 23.33 | PASS |
| | | 8 | 0 | 23.49 | 23.49 | PASS |
| | | 8 | 4 | 23.49 | 23.49 | PASS |
| | | 8 | 7 | 23.50 | 23.50 | PASS |
| | | 15 | 0 | 23.50 | 23.50 | PASS |
| | MCH | 1 | 0 | 22.76 | 22.76 | PASS |
| | | 1 | 7 | 22.83 | 22.83 | PASS |
| | | 1 | 14 | 22.75 | 22.75 | PASS |
| | | 8 | 0 | 22.85 | 22.85 | PASS |
| | | 8 | 4 | 22.85 | 22.85 | PASS |
| | | 8 | 7 | 22.84 | 22.84 | PASS |
| | | 15 | 0 | 22.84 | 22.84 | PASS |
| | HCH | 1 | 0 | 23.28 | 23.28 | PASS |
| | | 1 | 7 | 23.32 | 23.32 | PASS |
| | | 1 | 14 | 23.29 | 23.29 | PASS |
| | | 8 | 0 | 23.37 | 23.37 | PASS |
| | | 8 | 4 | 23.34 | 23.34 | PASS |
| | | 8 | 7 | 23.34 | 23.34 | PASS |
| | | 15 | 0 | 23.36 | 23.36 | PASS |
| 16QAM | LCH | 1 | 0 | 23.60 | 23.60 | PASS |
| | | 1 | 7 | 23.60 | 23.60 | PASS |
| | | 1 | 14 | 23.53 | 23.53 | PASS |
| | | 8 | 0 | 23.49 | 23.49 | PASS |
| | | 8 | 4 | 23.49 | 23.49 | PASS |
| | | 8 | 7 | 23.47 | 23.47 | PASS |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | 15 | 0 | 23.39 | 23.39 | PASS |
| | MCH | 1 | 0 | 23.01 | 23.01 | PASS |
| | | 1 | 7 | 23.00 | 23.00 | PASS |
| | | 1 | 14 | 23.00 | 23.00 | PASS |
| | | 8 | 0 | 22.86 | 22.86 | PASS |
| | | 8 | 4 | 22.88 | 22.88 | PASS |
| | | 8 | 7 | 22.85 | 22.85 | PASS |
| | | 15 | 0 | 22.82 | 22.82 | PASS |
| | HCH | 1 | 0 | 23.59 | 23.59 | PASS |
| | | 1 | 7 | 23.60 | 23.60 | PASS |
| | | 1 | 14 | 23.62 | 23.62 | PASS |
| | | 8 | 0 | 23.35 | 23.35 | PASS |
| | | 8 | 4 | 23.30 | 23.30 | PASS |
| | | 8 | 7 | 23.33 | 23.33 | PASS |
| | | 15 | 0 | 23.35 | 23.35 | PASS |

## Channel Bandwidth: 5 MHz

| Channel Bandwidth: 5 MHz | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Channel | RB Configuration | | Average Power [dBm] | E.i.r.p [dBm] | Verdict |
| | | Size | Offset | | | |
| QPSK | LCH | 1 | 0 | 23.57 | 23.57 | PASS |
| | | 1 | 12 | 23.50 | 23.50 | PASS |
| | | 1 | 24 | 23.38 | 23.38 | PASS |
| | | 12 | 0 | 23.60 | 23.60 | PASS |
| | | 12 | 6 | 23.56 | 23.56 | PASS |
| | | 12 | 13 | 23.53 | 23.53 | PASS |
| | | 25 | 0 | 23.50 | 23.50 | PASS |
| | MCH | 1 | 0 | 22.86 | 22.86 | PASS |
| | | 1 | 12 | 22.88 | 22.88 | PASS |
| | | 1 | 24 | 22.84 | 22.84 | PASS |
| | | 12 | 0 | 22.95 | 22.95 | PASS |
| | | 12 | 6 | 22.93 | 22.93 | PASS |
| | | 12 | 13 | 22.93 | 22.93 | PASS |
| | | 25 | 0 | 22.89 | 22.89 | PASS |
| | HCH | 1 | 0 | 23.33 | 23.33 | PASS |
| | | 1 | 12 | 23.35 | 23.35 | PASS |
| | | 1 | 24 | 23.35 | 23.35 | PASS |
| | | 12 | 0 | 23.38 | 23.38 | PASS |
| | | 12 | 6 | 23.39 | 23.39 | PASS |
| | | 12 | 13 | 23.43 | 23.43 | PASS |
| | | 25 | 0 | 23.35 | 23.35 | PASS |
| 16QAM | LCH | 1 | 0 | 23.83 | 23.83 | PASS |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | 1 | 12 | 23.77 | 23.77 | PASS |
| | | 1 | 24 | 23.69 | 23.69 | PASS |
| | | 12 | 0 | 23.63 | 23.63 | PASS |
| | | 12 | 6 | 23.59 | 23.59 | PASS |
| | | 12 | 13 | 23.58 | 23.58 | PASS |
| | | 25 | 0 | 23.46 | 23.46 | PASS |
| | MCH | 1 | 0 | 23.21 | 23.21 | PASS |
| | | 1 | 12 | 23.19 | 23.19 | PASS |
| | | 1 | 24 | 23.16 | 23.16 | PASS |
| | | 12 | 0 | 23.05 | 23.05 | PASS |
| | | 12 | 6 | 23.04 | 23.04 | PASS |
| | | 12 | 13 | 23.03 | 23.03 | PASS |
| | | 25 | 0 | 22.89 | 22.89 | PASS |
| | HCH | 1 | 0 | 23.34 | 23.34 | PASS |
| | | 1 | 12 | 23.37 | 23.37 | PASS |
| | | 1 | 24 | 23.33 | 23.33 | PASS |
| | | 12 | 0 | 23.40 | 23.40 | PASS |
| | | 12 | 6 | 23.37 | 23.37 | PASS |
| | | 12 | 13 | 23.44 | 23.44 | PASS |
| | | 25 | 0 | 23.36 | 23.36 | PASS |

## Channel Bandwidth: 10 MHz

| Channel Bandwidth: 10 MHz | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Channel | RB Configuration | | Average Power [dBm] | E.i.r.p [dBm] | Verdict |
| | | Size | Offset | | | |
| QPSK | LCH | 1 | 0 | 23.50 | 23.50 | PASS |
| | | 1 | 24 | 23.37 | 23.37 | PASS |
| | | 1 | 49 | 23.15 | 23.15 | PASS |
| | | 25 | 0 | 23.46 | 23.46 | PASS |
| | | 25 | 12 | 23.39 | 23.39 | PASS |
| | | 25 | 25 | 23.31 | 23.31 | PASS |
| | | 50 | 0 | 23.41 | 23.41 | PASS |
| | MCH | 1 | 0 | 22.88 | 22.88 | PASS |
| | | 1 | 24 | 22.79 | 22.79 | PASS |
| | | 1 | 49 | 22.85 | 22.85 | PASS |
| | | 25 | 0 | 22.88 | 22.88 | PASS |
| | | 25 | 12 | 22.89 | 22.89 | PASS |
| | | 25 | 25 | 22.89 | 22.89 | PASS |
| | | 50 | 0 | 22.91 | 22.91 | PASS |
| | HCH | 1 | 0 | 23.12 | 23.12 | PASS |
| | | 1 | 24 | 23.30 | 23.30 | PASS |
| | | 1 | 49 | 23.31 | 23.31 | PASS |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | 25 | 0 | 23.22 | 23.22 | PASS |
| | | 25 | 12 | 23.28 | 23.28 | PASS |
| | | 25 | 25 | 23.36 | 23.36 | PASS |
| | | 50 | 0 | 23.29 | 23.29 | PASS |
| 16QAM | LCH | 1 | 0 | 23.69 | 23.69 | PASS |
| | | 1 | 24 | 23.59 | 23.59 | PASS |
| | | 1 | 49 | 23.43 | 23.43 | PASS |
| | | 25 | 0 | 23.41 | 23.41 | PASS |
| | | 25 | 12 | 23.36 | 23.36 | PASS |
| | | 25 | 25 | 23.32 | 23.32 | PASS |
| | | 50 | 0 | 23.39 | 23.39 | PASS |
| | MCH | 1 | 0 | 23.14 | 23.14 | PASS |
| | | 1 | 24 | 23.06 | 23.06 | PASS |
| | | 1 | 49 | 23.10 | 23.10 | PASS |
| | | 25 | 0 | 22.88 | 22.88 | PASS |
| | | 25 | 12 | 22.84 | 22.84 | PASS |
| | | 25 | 25 | 22.86 | 22.86 | PASS |
| | | 50 | 0 | 22.90 | 22.90 | PASS |
| | HCH | 1 | 0 | 23.48 | 23.48 | PASS |
| | | 1 | 24 | 23.61 | 23.61 | PASS |
| | | 1 | 49 | 23.66 | 23.66 | PASS |
| | | 25 | 0 | 23.24 | 23.24 | PASS |
| | | 25 | 12 | 23.31 | 23.31 | PASS |
| | | 25 | 25 | 23.36 | 23.36 | PASS |
| | | 50 | 0 | 23.33 | 23.33 | PASS |

## Channel Bandwidth: 15 MHz

| Channel Bandwidth: 15 MHz | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Channel | RB Configuration | | Average Power [dBm] | E.i.r.p [dBm] | Verdict |
| | | Size | Offset | | | |
| QPSK | LCH | 1 | 0 | 23.50 | 23.50 | PASS |
| | | 1 | 37 | 23.23 | 23.23 | PASS |
| | | 1 | 74 | 23.00 | 23.00 | PASS |
| | | 37 | 0 | 23.52 | 23.52 | PASS |
| | | 37 | 18 | 23.35 | 23.35 | PASS |
| | | 37 | 38 | 23.21 | 23.21 | PASS |
| | | 75 | 0 | 23.40 | 23.40 | PASS |
| | MCH | 1 | 0 | 22.93 | 22.93 | PASS |
| | | 1 | 37 | 22.88 | 22.88 | PASS |
| | | 1 | 74 | 22.90 | 22.90 | PASS |
| | | 37 | 0 | 22.96 | 22.96 | PASS |
| | | 37 | 18 | 22.94 | 22.94 | PASS |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | 37 | 38 | 22.99 | 22.99 | PASS |
| | | 75 | 0 | 23.00 | 23.00 | PASS |
| | HCH | 1 | 0 | 23.00 | 23.00 | PASS |
| | | 1 | 37 | 23.20 | 23.20 | PASS |
| | | 1 | 74 | 23.32 | 23.32 | PASS |
| | | 37 | 0 | 23.18 | 23.18 | PASS |
| | | 37 | 18 | 23.29 | 23.29 | PASS |
| | | 37 | 38 | 23.39 | 23.39 | PASS |
| | | 75 | 0 | 23.32 | 23.32 | PASS |
| 16QAM | LCH | 1 | 0 | 23.68 | 23.68 | PASS |
| | | 1 | 37 | 23.54 | 23.54 | PASS |
| | | 1 | 74 | 23.29 | 23.29 | PASS |
| | | 37 | 0 | 23.46 | 23.46 | PASS |
| | | 37 | 18 | 23.33 | 23.33 | PASS |
| | | 37 | 38 | 23.21 | 23.21 | PASS |
| | | 75 | 0 | 23.39 | 23.39 | PASS |
| | MCH | 1 | 0 | 23.21 | 23.21 | PASS |
| | | 1 | 37 | 23.10 | 23.10 | PASS |
| | | 1 | 74 | 23.14 | 23.14 | PASS |
| | | 37 | 0 | 22.94 | 22.94 | PASS |
| | | 37 | 18 | 22.92 | 22.92 | PASS |
| | | 37 | 38 | 22.97 | 22.97 | PASS |
| | | 75 | 0 | 22.98 | 22.98 | PASS |
| | HCH | 1 | 0 | 23.26 | 23.26 | PASS |
| | | 1 | 37 | 23.46 | 23.46 | PASS |
| | | 1 | 74 | 23.56 | 23.56 | PASS |
| | | 37 | 0 | 23.18 | 23.18 | PASS |
| | | 37 | 18 | 23.29 | 23.29 | PASS |
| | | 37 | 38 | 23.38 | 23.38 | PASS |
| | | 75 | 0 | 23.30 | 23.30 | PASS |

## Channel Bandwidth: 20 MHz

| Channel Bandwidth: 20 MHz | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Channel | RB Configuration | | Average Power [dBm] | E.i.r.p [dBm] | Verdict |
| | | Size | Offset | | | |
| QPSK | LCH | 1 | 0 | 23.60 | 23.60 | PASS |
| | | 1 | 49 | 23.24 | 23.24 | PASS |
| | | 1 | 99 | 23.00 | 23.00 | PASS |
| | | 50 | 0 | 23.42 | 23.42 | PASS |
| | | 50 | 25 | 23.25 | 23.25 | PASS |
| | | 50 | 50 | 23.11 | 23.11 | PASS |
| | | 100 | 0 | 23.25 | 23.25 | PASS |

| | | | | | | |
|---|---|---|---|---|---|---|
| | MCH | 1 | 0 | 23.13 | 23.13 | PASS |
| | | 1 | 49 | 22.95 | 22.95 | PASS |
| | | 1 | 99 | 23.11 | 23.11 | PASS |
| | | 50 | 0 | 22.98 | 22.98 | PASS |
| | | 50 | 25 | 22.92 | 22.92 | PASS |
| | | 50 | 50 | 22.98 | 22.98 | PASS |
| | | 100 | 0 | 22.95 | 22.95 | PASS |
| | HCH | 1 | 0 | 22.97 | 22.97 | PASS |
| | | 1 | 49 | 23.18 | 23.18 | PASS |
| | | 1 | 99 | 23.42 | 23.42 | PASS |
| | | 50 | 0 | 23.07 | 23.07 | PASS |
| | | 50 | 25 | 23.22 | 23.22 | PASS |
| | | 50 | 50 | 23.32 | 23.32 | PASS |
| | | 100 | 0 | 23.15 | 23.15 | PASS |
| 16QAM | LCH | 1 | 0 | 23.69 | 23.69 | PASS |
| | | 1 | 49 | 23.39 | 23.39 | PASS |
| | | 1 | 99 | 23.14 | 23.14 | PASS |
| | | 50 | 0 | 23.38 | 23.38 | PASS |
| | | 50 | 25 | 23.23 | 23.23 | PASS |
| | | 50 | 50 | 23.09 | 23.09 | PASS |
| | | 100 | 0 | 23.23 | 23.23 | PASS |
| | MCH | 1 | 0 | 23.30 | 23.30 | PASS |
| | | 1 | 49 | 23.04 | 23.04 | PASS |
| | | 1 | 99 | 23.24 | 23.24 | PASS |
| | | 50 | 0 | 22.96 | 22.96 | PASS |
| | | 50 | 25 | 22.89 | 22.89 | PASS |
| | | 50 | 50 | 22.93 | 22.93 | PASS |
| | | 100 | 0 | 22.94 | 22.94 | PASS |
| | HCH | 1 | 0 | 23.26 | 23.26 | PASS |
| | | 1 | 49 | 23.51 | 23.51 | PASS |
| | | 1 | 99 | 23.73 | 23.73 | PASS |
| | | 50 | 0 | 23.09 | 23.09 | PASS |
| | | 50 | 25 | 23.24 | 23.24 | PASS |
| | | 50 | 50 | 23.35 | 23.35 | PASS |
| | | 100 | 0 | 23.14 | 23.14 | PASS |

# Appendix B: Peak-to-Average Ratio

## Test Result

## Channel Bandwidth: 1.4 MHz

| Channel Bandwidth: 1.4 MHz | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Channel | RB Configuration | | Peak-to-Average Ratio (dB) | Limit (dB) | Verdict |
| | | Size | Offset | | | |
| QPSK | LCH | 1 | 0 | 1.27 | <13 | PASS |
| | | 1 | 3 | 2.43 | <13 | PASS |
| | | 1 | 5 | 1.29 | <13 | PASS |
| | | 3 | 0 | 2.53 | <13 | PASS |
| | | 3 | 2 | 2.49 | <13 | PASS |
| | | 3 | 3 | 2.51 | <13 | PASS |
| | | 6 | 0 | 3.08 | <13 | PASS |
| | MCH | 1 | 0 | 1.55 | <13 | PASS |
| | | 1 | 3 | 2.72 | <13 | PASS |
| | | 1 | 5 | 1.52 | <13 | PASS |
| | | 3 | 0 | 2.74 | <13 | PASS |
| | | 3 | 2 | 2.72 | <13 | PASS |
| | | 3 | 3 | 2.75 | <13 | PASS |
| | | 6 | 0 | 3.28 | <13 | PASS |
| | HCH | 1 | 0 | 1.45 | <13 | PASS |
| | | 1 | 3 | 2.58 | <13 | PASS |
| | | 1 | 5 | 1.44 | <13 | PASS |
| | | 3 | 0 | 2.66 | <13 | PASS |
| | | 3 | 2 | 2.61 | <13 | PASS |
| | | 3 | 3 | 2.67 | <13 | PASS |
| | | 6 | 0 | 3.17 | <13 | PASS |
| 16QAM | LCH | 1 | 0 | 1.62 | <13 | PASS |
| | | 1 | 3 | 2.69 | <13 | PASS |
| | | 1 | 5 | 1.6 | <13 | PASS |
| | | 3 | 0 | 3 | <13 | PASS |
| | | 3 | 2 | 2.84 | <13 | PASS |
| | | 3 | 3 | 2.96 | <13 | PASS |
| | | 6 | 0 | 3.55 | <13 | PASS |
| | MCH | 1 | 0 | 1.89 | <13 | PASS |
| | | 1 | 3 | 3.01 | <13 | PASS |
| | | 1 | 5 | 1.89 | <13 | PASS |
| | | 3 | 0 | 3.24 | <13 | PASS |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | 3 | 2 | 3.09 | <13 | PASS |
| | | 3 | 3 | 3.21 | <13 | PASS |
| | | 6 | 0 | 3.76 | <13 | PASS |
| | HCH | 1 | 0 | 1.7 | <13 | PASS |
| | | 1 | 3 | 2.79 | <13 | PASS |
| | | 1 | 5 | 1.71 | <13 | PASS |
| | | 3 | 0 | 3.04 | <13 | PASS |
| | | 3 | 2 | 2.91 | <13 | PASS |
| | | 3 | 3 | 3.04 | <13 | PASS |
| | | 6 | 0 | 3.61 | <13 | PASS |

## Channel Bandwidth: 3 MHz

| Channel Bandwidth: 3 MHz | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Channel | RB Configuration | | Peak-to-Average Ratio | Limit | Verdict |
| | | Size | Offset | [dB] | [dB] | |
| QPSK | LCH | 1 | 0 | 1.27 | <13 | PASS |
| | | 1 | 7 | 2.32 | <13 | PASS |
| | | 1 | 14 | 1.29 | <13 | PASS |
| | | 8 | 0 | 2.52 | <13 | PASS |
| | | 8 | 4 | 2.67 | <13 | PASS |
| | | 8 | 7 | 2.59 | <13 | PASS |
| | | 15 | 0 | 3.48 | <13 | PASS |
| | MCH | 1 | 0 | 1.54 | <13 | PASS |
| | | 1 | 7 | 2.61 | <13 | PASS |
| | | 1 | 14 | 1.52 | <13 | PASS |
| | | 8 | 0 | 2.77 | <13 | PASS |
| | | 8 | 4 | 2.87 | <13 | PASS |
| | | 8 | 7 | 2.79 | <13 | PASS |
| | | 15 | 0 | 3.66 | <13 | PASS |
| | HCH | 1 | 0 | 1.37 | <13 | PASS |
| | | 1 | 7 | 2.4 | <13 | PASS |
| | | 1 | 14 | 1.37 | <13 | PASS |
| | | 8 | 0 | 2.67 | <13 | PASS |
| | | 8 | 4 | 2.75 | <13 | PASS |
| | | 8 | 7 | 2.71 | <13 | PASS |
| | | 15 | 0 | 3.56 | <13 | PASS |
| 16QAM | LCH | 1 | 0 | 1.54 | <13 | PASS |
| | | 1 | 7 | 2.53 | <13 | PASS |
| | | 1 | 14 | 1.55 | <13 | PASS |
| | | 8 | 0 | 2.93 | <13 | PASS |
| | | 8 | 4 | 2.99 | <13 | PASS |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | 8 | 7 | 2.97 | <13 | PASS |
| | | 15 | 0 | 3.82 | <13 | PASS |
| | MCH | 1 | 0 | 1.83 | <13 | PASS |
| | | 1 | 7 | 2.88 | <13 | PASS |
| | | 1 | 14 | 1.8 | <13 | PASS |
| | | 8 | 0 | 3.16 | <13 | PASS |
| | | 8 | 4 | 3.22 | <13 | PASS |
| | | 8 | 7 | 3.17 | <13 | PASS |
| | | 15 | 0 | 4 | <13 | PASS |
| | HCH | 1 | 0 | 1.72 | <13 | PASS |
| | | 1 | 7 | 2.71 | <13 | PASS |
| | | 1 | 14 | 1.68 | <13 | PASS |
| | | 8 | 0 | 3.02 | <13 | PASS |
| | | 8 | 4 | 3.08 | <13 | PASS |
| | | 8 | 7 | 3.08 | <13 | PASS |
| | | 15 | 0 | 3.88 | <13 | PASS |

## Channel Bandwidth: 5 MHz

| Channel Bandwidth: 5 MHz | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Channel | RB Configuration | | Peak-to-Average Ratio | Limit | Verdict |
| | | Size | Offset | [dB] | [dB] | |
| QPSK | LCH | 1 | 0 | 1.27 | <13 | PASS |
| | | 1 | 12 | 2.27 | <13 | PASS |
| | | 1 | 24 | 1.32 | <13 | PASS |
| | | 12 | 0 | 2.37 | <13 | PASS |
| | | 12 | 6 | 2.52 | <13 | PASS |
| | | 12 | 13 | 2.58 | <13 | PASS |
| | | 25 | 0 | 3.39 | <13 | PASS |
| | MCH | 1 | 0 | 1.6 | <13 | PASS |
| | | 1 | 12 | 2.57 | <13 | PASS |
| | | 1 | 24 | 1.45 | <13 | PASS |
| | | 12 | 0 | 2.6 | <13 | PASS |
| | | 12 | 6 | 2.74 | <13 | PASS |
| | | 12 | 13 | 2.7 | <13 | PASS |
| | | 25 | 0 | 3.57 | <13 | PASS |
| | HCH | 1 | 0 | 1.45 | <13 | PASS |
| | | 1 | 12 | 2.41 | <13 | PASS |
| | | 1 | 24 | 1.39 | <13 | PASS |
| | | 12 | 0 | 2.5 | <13 | PASS |
| | | 12 | 6 | 2.61 | <13 | PASS |
| | | 12 | 13 | 2.65 | <13 | PASS |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | 25 | 0 | 3.44 | <13 | PASS |
| 16QAM | LCH | 1 | 0 | 1.59 | <13 | PASS |
| | | 1 | 12 | 2.58 | <13 | PASS |
| | | 1 | 24 | 1.67 | <13 | PASS |
| | | 12 | 0 | 2.78 | <13 | PASS |
| | | 12 | 6 | 2.82 | <13 | PASS |
| | | 12 | 13 | 3.02 | <13 | PASS |
| | | 25 | 0 | 3.74 | <13 | PASS |
| | MCH | 1 | 0 | 1.9 | <13 | PASS |
| | | 1 | 12 | 2.84 | <13 | PASS |
| | | 1 | 24 | 1.81 | <13 | PASS |
| | | 12 | 0 | 3.02 | <13 | PASS |
| | | 12 | 6 | 3.03 | <13 | PASS |
| | | 12 | 13 | 3.13 | <13 | PASS |
| | | 25 | 0 | 3.91 | <13 | PASS |
| | HCH | 1 | 0 | 1.64 | <13 | PASS |
| | | 1 | 12 | 2.52 | <13 | PASS |
| | | 1 | 24 | 1.56 | <13 | PASS |
| | | 12 | 0 | 2.92 | <13 | PASS |
| | | 12 | 6 | 2.91 | <13 | PASS |
| | | 12 | 13 | 3.1 | <13 | PASS |
| | | 25 | 0 | 3.81 | <13 | PASS |

## Channel Bandwidth: 10 MHz

| Channel Bandwidth: 10 MHz | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Channel | RB Configuration | | Peak-to-Average Ratio [dB] | Limit [dB] | Verdict |
| | | Size | Offset | | | |
| QPSK | LCH | 1 | 0 | 1.79 | <13 | PASS |
| | | 1 | 24 | 2.36 | <13 | PASS |
| | | 1 | 49 | 1.66 | <13 | PASS |
| | | 25 | 0 | 2.61 | <13 | PASS |
| | | 25 | 12 | 2.89 | <13 | PASS |
| | | 25 | 25 | 2.93 | <13 | PASS |
| | | 50 | 0 | 4.04 | <13 | PASS |
| | MCH | 1 | 0 | 2.23 | <13 | PASS |
| | | 1 | 24 | 2.57 | <13 | PASS |
| | | 1 | 49 | 1.67 | <13 | PASS |
| | | 25 | 0 | 2.81 | <13 | PASS |
| | | 25 | 12 | 3.03 | <13 | PASS |
| | | 25 | 25 | 3 | <13 | PASS |
| | | 50 | 0 | 4.14 | <13 | PASS |

| | | | | | | |
|---|---|---|---|---|---|---|
| | HCH | 1 | 0 | 2.04 | <13 | PASS |
| | | 1 | 24 | 2.39 | <13 | PASS |
| | | 1 | 49 | 1.54 | <13 | PASS |
| | | 25 | 0 | 2.76 | <13 | PASS |
| | | 25 | 12 | 2.91 | <13 | PASS |
| | | 25 | 25 | 2.94 | <13 | PASS |
| | | 50 | 0 | 4.1 | <13 | PASS |
| 16QAM | LCH | 1 | 0 | 2.04 | <13 | PASS |
| | | 1 | 24 | 2.56 | <13 | PASS |
| | | 1 | 49 | 2 | <13 | PASS |
| | | 25 | 0 | 2.92 | <13 | PASS |
| | | 25 | 12 | 3.26 | <13 | PASS |
| | | 25 | 25 | 3.34 | <13 | PASS |
| | | 50 | 0 | 4.25 | <13 | PASS |
| | MCH | 1 | 0 | 2.41 | <13 | PASS |
| | | 1 | 24 | 2.81 | <13 | PASS |
| | | 1 | 49 | 1.99 | <13 | PASS |
| | | 25 | 0 | 3.13 | <13 | PASS |
| | | 25 | 12 | 3.42 | <13 | PASS |
| | | 25 | 25 | 3.4 | <13 | PASS |
| | | 50 | 0 | 4.36 | <13 | PASS |
| | HCH | 1 | 0 | 2.38 | <13 | PASS |
| | | 1 | 24 | 2.67 | <13 | PASS |
| | | 1 | 49 | 1.93 | <13 | PASS |
| | | 25 | 0 | 3.08 | <13 | PASS |
| | | 25 | 12 | 3.31 | <13 | PASS |
| | | 25 | 25 | 3.35 | <13 | PASS |
| | | 50 | 0 | 4.33 | <13 | PASS |

## Channel Bandwidth: 15 MHz

| Channel Bandwidth: 15 MHz | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Channel | RB Configuration | | Peak-to-Average Ratio [dB] | Limit [dB] | Verdict |
| | | Size | Offset | | | |
| QPSK | LCH | 1 | 0 | 9.72 | <13 | PASS |
| | | 1 | 37 | 2.43 | <13 | PASS |
| | | 1 | 74 | 8.43 | <13 | PASS |
| | | 37 | 0 | 3.77 | <13 | PASS |
| | | 37 | 18 | 3.35 | <13 | PASS |
| | | 37 | 38 | 3.76 | <13 | PASS |
| | | 75 | 0 | 4.79 | <13 | PASS |
| | MCH | 1 | 0 | 9.42 | <13 | PASS |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | 1 | 37 | 2.59 | <13 | PASS |
| | | 1 | 74 | 8.87 | <13 | PASS |
| | | 37 | 0 | 3.76 | <13 | PASS |
| | | 37 | 18 | 3.43 | <13 | PASS |
| | | 37 | 38 | 3.78 | <13 | PASS |
| | | 75 | 0 | 4.73 | <13 | PASS |
| | HCH | 1 | 0 | 9.36 | <13 | PASS |
| | | 1 | 37 | 2.45 | <13 | PASS |
| | | 1 | 74 | 8.53 | <13 | PASS |
| | | 37 | 0 | 3.78 | <13 | PASS |
| | | 37 | 18 | 3.35 | <13 | PASS |
| | | 37 | 38 | 3.76 | <13 | PASS |
| | | 75 | 0 | 4.72 | <13 | PASS |
| 16QAM | LCH | 1 | 0 | 9.42 | <13 | PASS |
| | | 1 | 37 | 2.65 | <13 | PASS |
| | | 1 | 74 | 9.04 | <13 | PASS |
| | | 37 | 0 | 4.12 | <13 | PASS |
| | | 37 | 18 | 3.8 | <13 | PASS |
| | | 37 | 38 | 4.18 | <13 | PASS |
| | | 75 | 0 | 5.13 | <13 | PASS |
| | MCH | 1 | 0 | 9.42 | <13 | PASS |
| | | 1 | 37 | 2.8 | <13 | PASS |
| | | 1 | 74 | 9.29 | <13 | PASS |
| | | 37 | 0 | 4.12 | <13 | PASS |
| | | 37 | 18 | 3.86 | <13 | PASS |
| | | 37 | 38 | 4.19 | <13 | PASS |
| | | 75 | 0 | 5.12 | <13 | PASS |
| | HCH | 1 | 0 | 9.2 | <13 | PASS |
| | | 1 | 37 | 2.65 | <13 | PASS |
| | | 1 | 74 | 9.7 | <13 | PASS |
| | | 37 | 0 | 4.14 | <13 | PASS |
| | | 37 | 18 | 3.78 | <13 | PASS |
| | | 37 | 38 | 4.14 | <13 | PASS |
| | | 75 | 0 | 5.09 | <13 | PASS |

## Channel Bandwidth: 20 MHz

| Channel Bandwidth: 20 MHz | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Channel | RB Configuration | | Peak-to-Average Ratio [dB] | Limit [dB] | Verdict |
| | | Size | Offset | | | |
| QPSK | LCH | 1 | 0 | 10.72 | <13 | PASS |
| | | 1 | 49 | 2.48 | <13 | PASS |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | 1 | 99 | 10.63 | <13 | PASS |
| | | 50 | 0 | 4.41 | <13 | PASS |
| | | 50 | 25 | 4.15 | <13 | PASS |
| | | 50 | 50 | 4.51 | <13 | PASS |
| | | 100 | 0 | 5.5 | <13 | PASS |
| | MCH | 1 | 0 | 10.25 | <13 | PASS |
| | | 1 | 49 | 2.58 | <13 | PASS |
| | | 1 | 99 | 9.1 | <13 | PASS |
| | | 50 | 0 | 4.34 | <13 | PASS |
| | | 50 | 25 | 4.16 | <13 | PASS |
| | | 50 | 50 | 4.43 | <13 | PASS |
| | | 100 | 0 | 5.53 | <13 | PASS |
| | HCH | 1 | 0 | 8.64 | <13 | PASS |
| | | 1 | 49 | 2.47 | <13 | PASS |
| | | 1 | 99 | 9.25 | <13 | PASS |
| | | 50 | 0 | 4.41 | <13 | PASS |
| | | 50 | 25 | 4.16 | <13 | PASS |
| | | 50 | 50 | 4.44 | <13 | PASS |
| | | 100 | 0 | 5.51 | <13 | PASS |
| 16QAM | LCH | 1 | 0 | 11.21 | <13 | PASS |
| | | 1 | 49 | 2.57 | <13 | PASS |
| | | 1 | 99 | 10.97 | <13 | PASS |
| | | 50 | 0 | 4.75 | <13 | PASS |
| | | 50 | 25 | 4.39 | <13 | PASS |
| | | 50 | 50 | 4.76 | <13 | PASS |
| | | 100 | 0 | 5.77 | <13 | PASS |
| | MCH | 1 | 0 | 10.67 | <13 | PASS |
| | | 1 | 49 | 2.69 | <13 | PASS |
| | | 1 | 99 | 9.64 | <13 | PASS |
| | | 50 | 0 | 4.63 | <13 | PASS |
| | | 50 | 25 | 4.39 | <13 | PASS |
| | | 50 | 50 | 4.71 | <13 | PASS |
| | | 100 | 0 | 5.71 | <13 | PASS |
| | HCH | 1 | 0 | 9.51 | <13 | PASS |
| | | 1 | 49 | 2.62 | <13 | PASS |
| | | 1 | 99 | 9.99 | <13 | PASS |
| | | 50 | 0 | 4.75 | <13 | PASS |
| | | 50 | 25 | 4.35 | <13 | PASS |
| | | 50 | 50 | 4.67 | <13 | PASS |
| | | 100 | 0 | 5.71 | <13 | PASS |

## Test Graphs

## Channel Bandwidth: 1.4 MHz

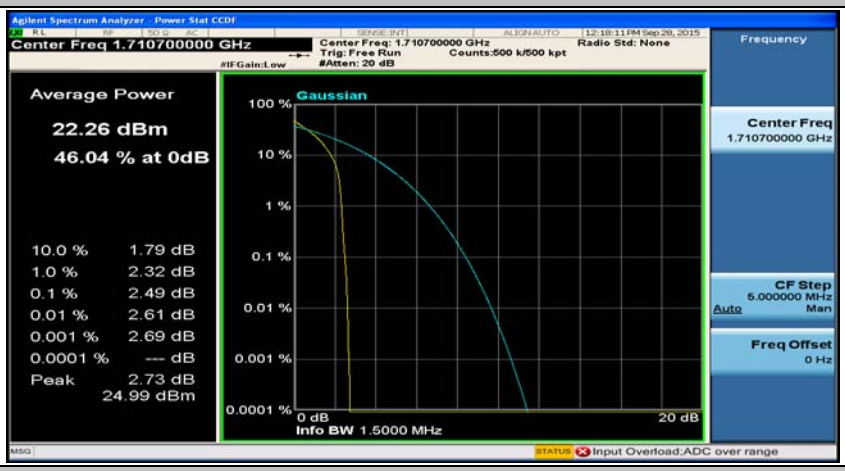
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#0

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#2




(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#3

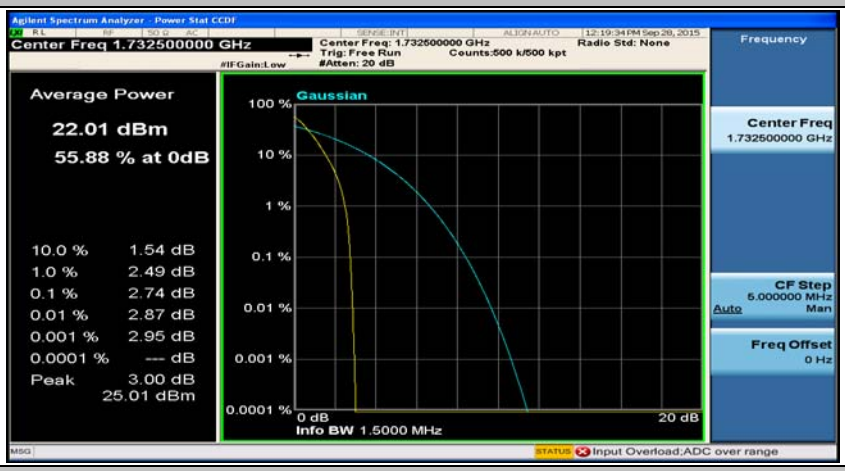
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#0




(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#2

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#3

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0

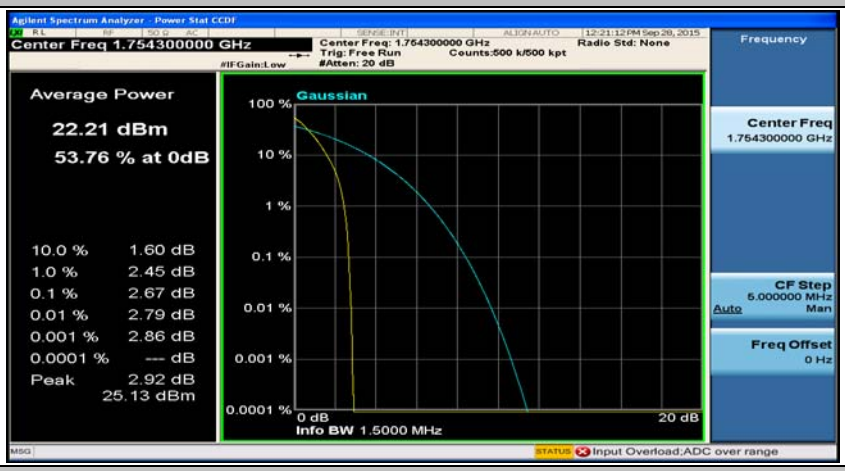
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#2

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#3




(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#0

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#2

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#3

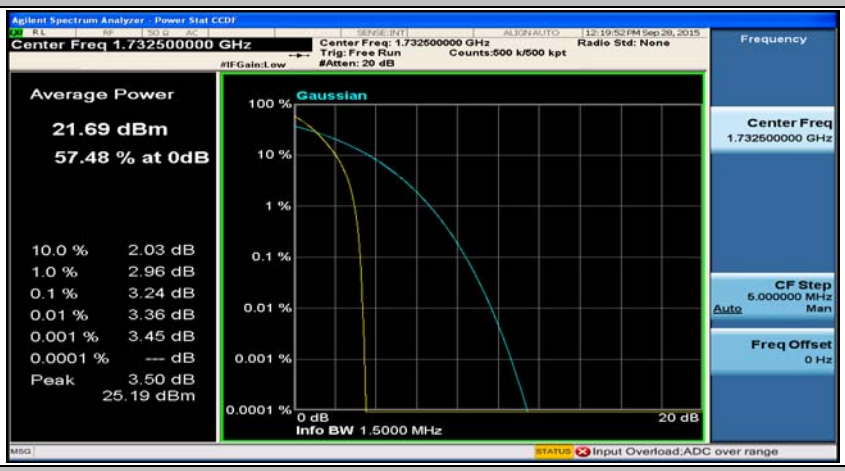
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#0

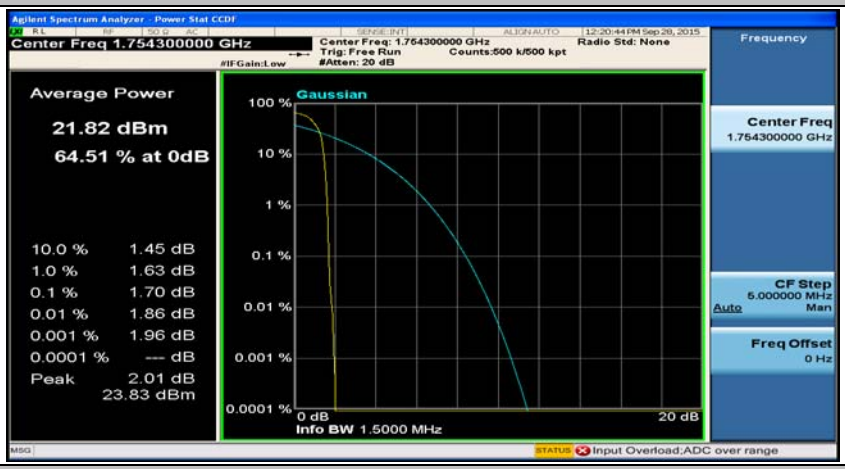



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#2

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#3

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0

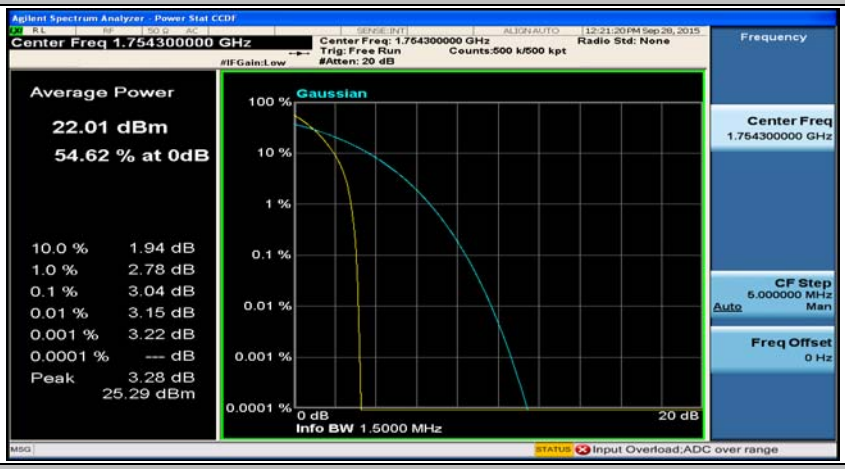
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0




(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3

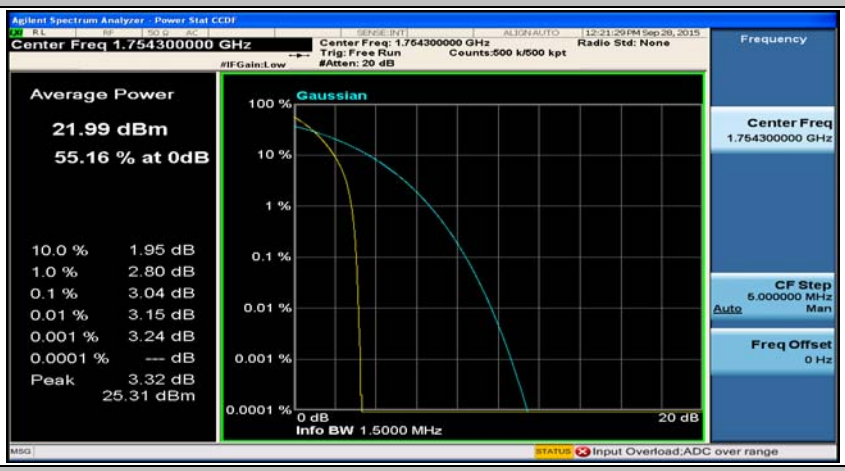
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#0




(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#2

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#3




(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0

## Channel Bandwidth: 3 MHz

(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0

(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7

(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14

(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#0

(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#4

(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#7

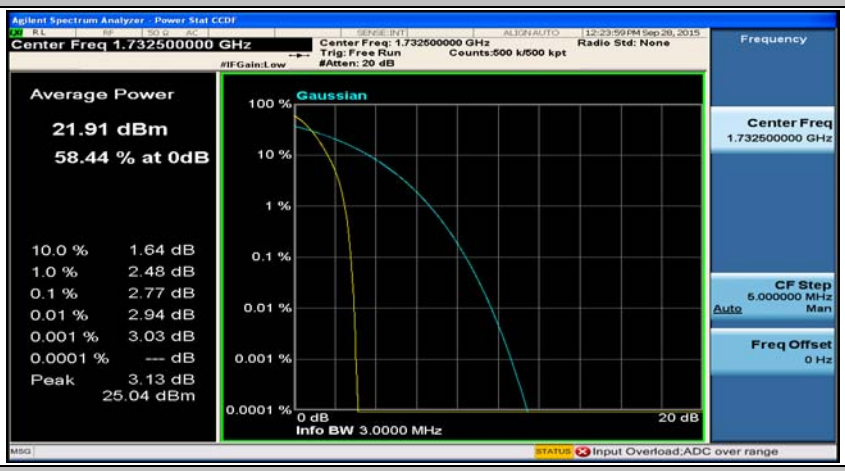
(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0

(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0

(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#7

(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14

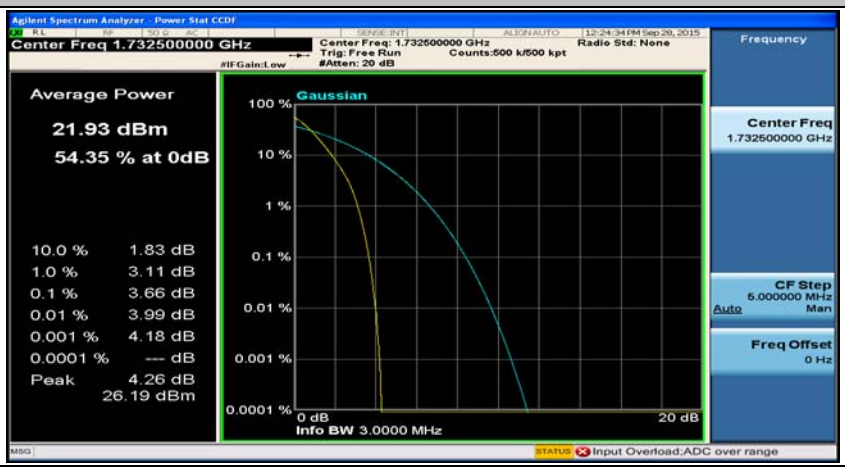
(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#0




(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#4

(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#7

(Channel Bandwidth: 3 MHz)_MCH_QPSK_15RB#0




(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0

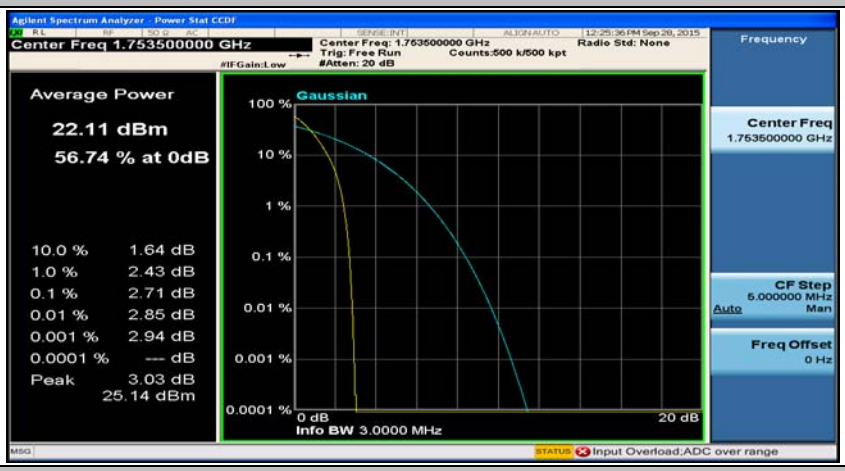
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7

(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14

(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#0

(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#4

(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#7




(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0

(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0

(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7

(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14

(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#0

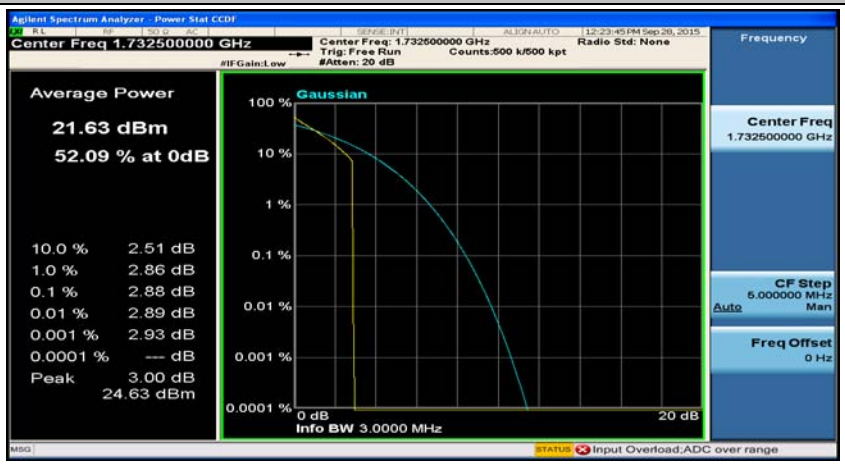
(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#4

(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#7

(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0

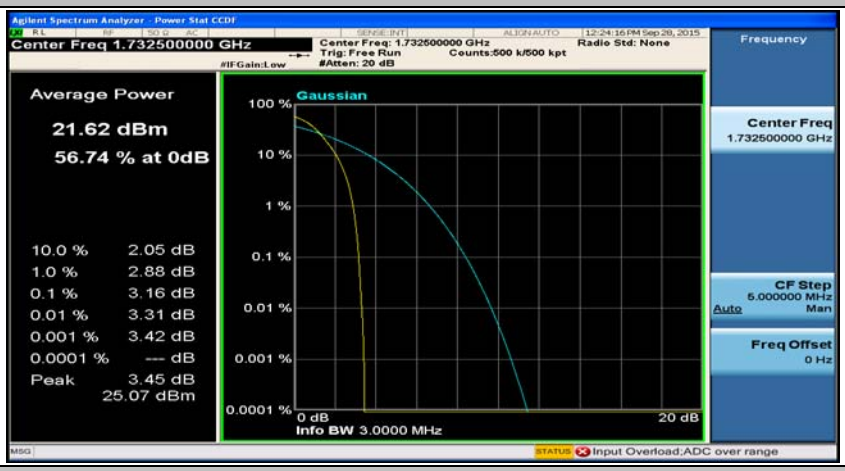
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0

(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7




(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14

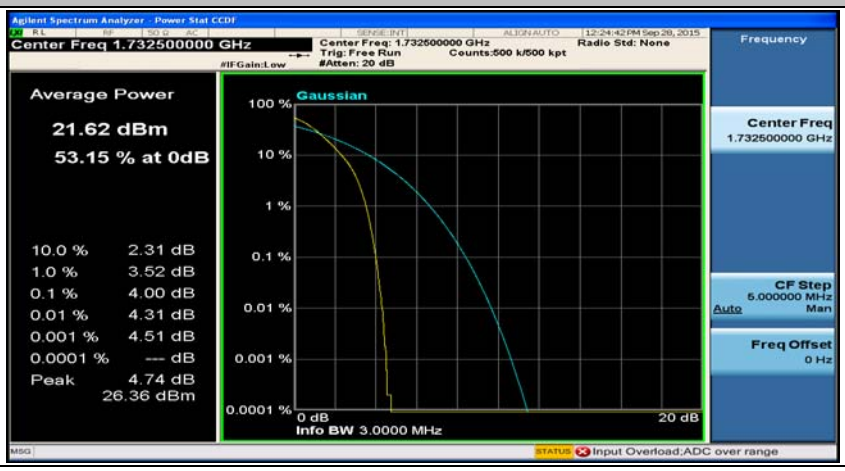
(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#0




(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#4

(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#7

(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0

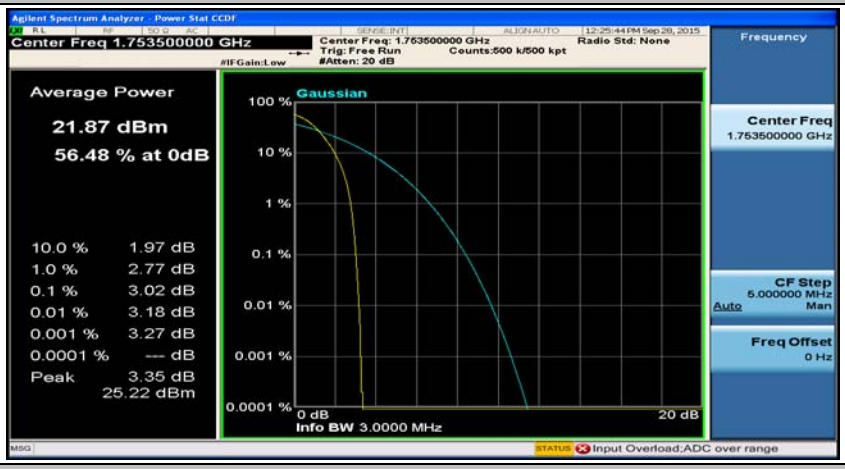



(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0

(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7

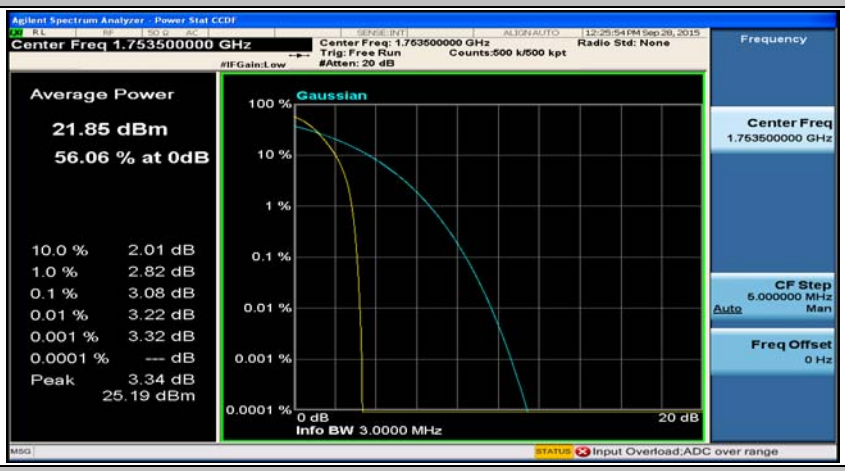
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14

(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#0




(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#4

(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#7




(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0

## Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

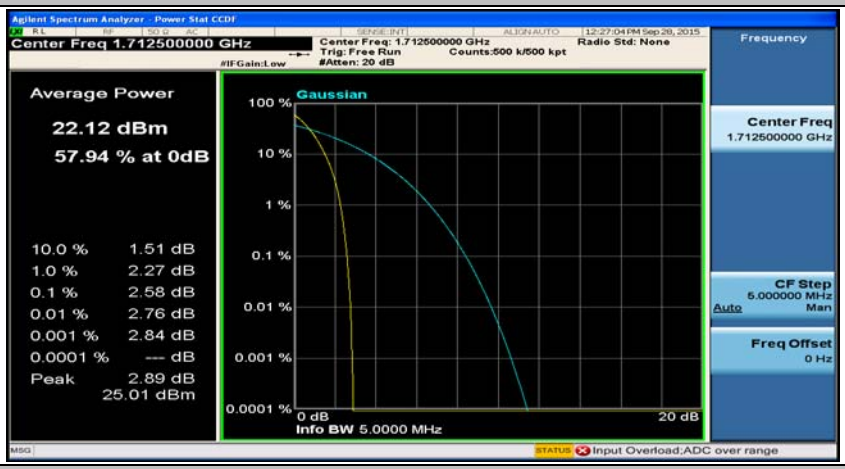
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24

(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0

(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6

(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



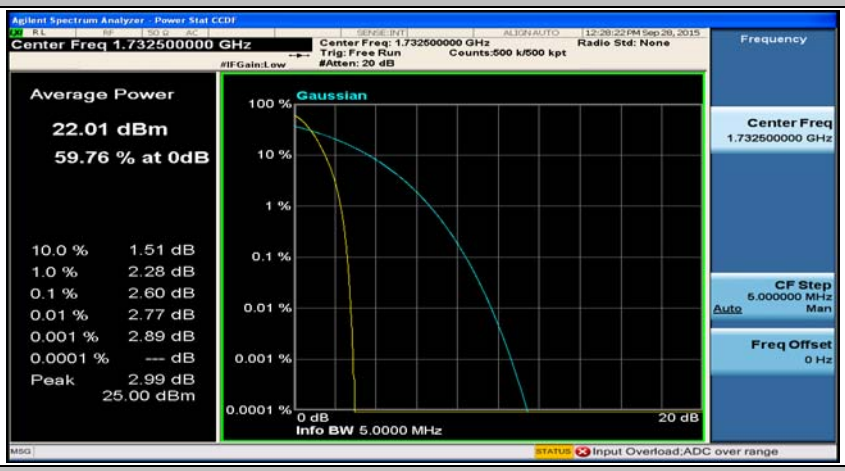

(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

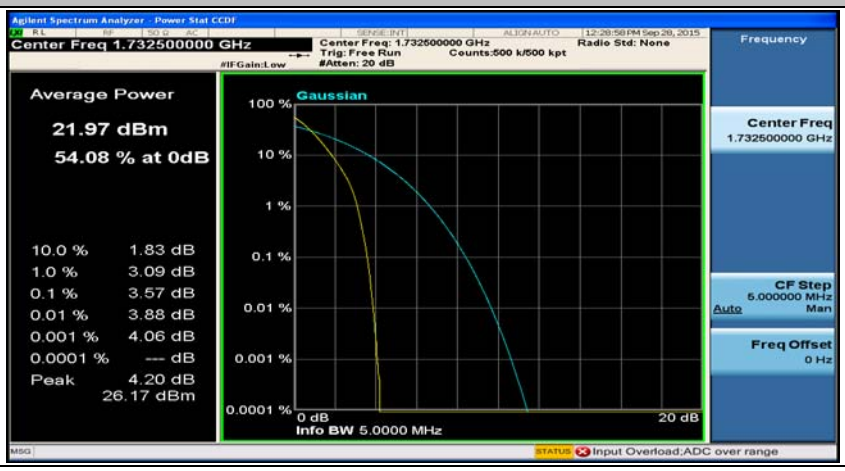
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0




(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6

(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13

(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0




(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24

(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6

(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13

(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

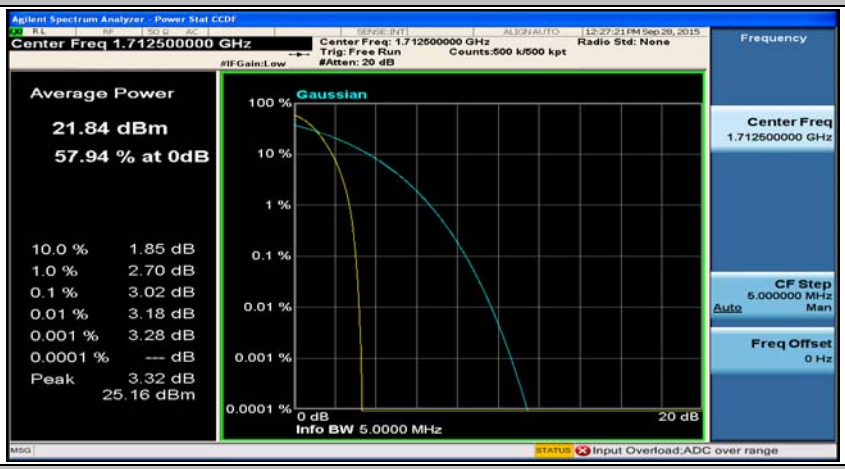
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24

(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0

(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6

(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



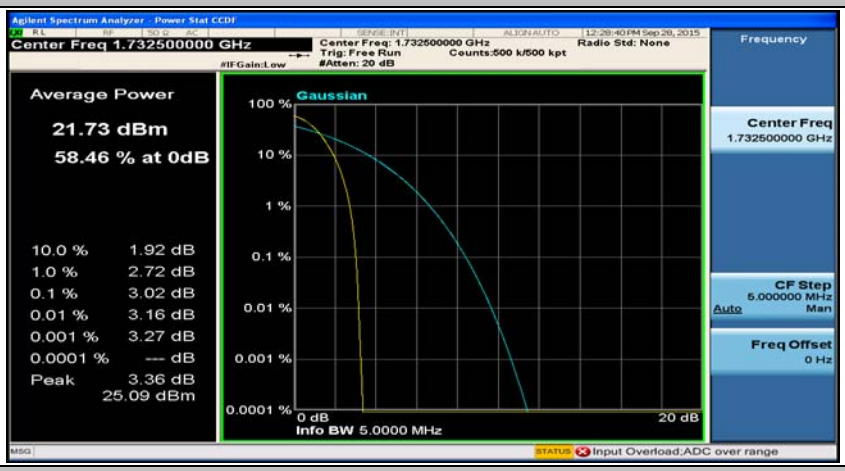

(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0

(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24

(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0




(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6

(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13

(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

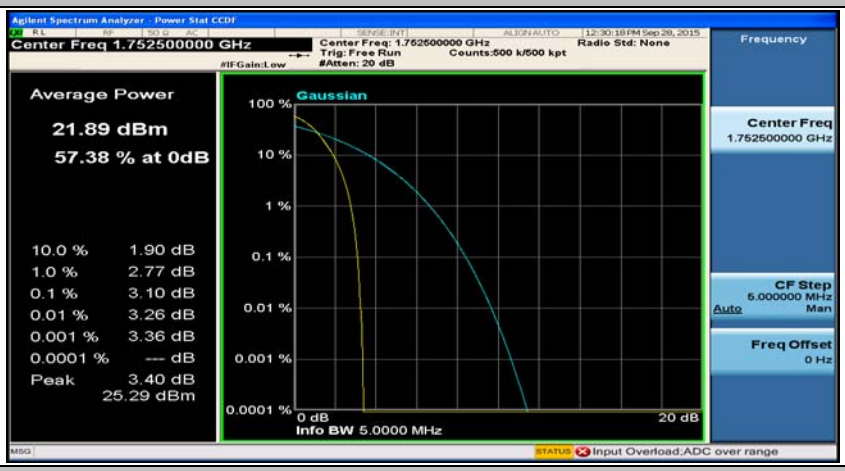
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24

(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0

(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6

(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13




(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

## Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#24

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#49

Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0

Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12

Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25

Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0