

Appendix for Band 4

Product Name: LTE USB Dongle

Model No: GLU194ST

Appendix A: Average Power Output Data

Test Result

Channel Bandwidth: 1.4 MHz

| Modulation | Channel | RB Configuration | | Average Power [dBm] | Verdict |
|------------|---------|------------------|--------|---------------------|---------|
| | | Size | Offset | | |
| QPSK | LCH | 1 | 0 | 24.17 | PASS |
| | | 1 | 3 | 24.14 | PASS |
| | | 1 | 5 | 24.11 | PASS |
| | | 3 | 0 | 24.21 | PASS |
| | | 3 | 2 | 24.13 | PASS |
| | | 3 | 3 | 24.62 | PASS |
| | | 6 | 0 | 23.27 | PASS |
| | MCH | 1 | 0 | 24.23 | PASS |
| | | 1 | 3 | 24.04 | PASS |
| | | 1 | 5 | 24.05 | PASS |
| | | 3 | 0 | 24.11 | PASS |
| | | 3 | 2 | 23.86 | PASS |
| | | 3 | 3 | 23.90 | PASS |
| | | 6 | 0 | 22.85 | PASS |
| | HCH | 1 | 0 | 24.48 | PASS |
| | | 1 | 3 | 24.48 | PASS |
| | | 1 | 5 | 24.50 | PASS |
| | | 3 | 0 | 24.43 | PASS |
| | | 3 | 2 | 24.36 | PASS |
| | | 3 | 3 | 24.45 | PASS |
| | | 6 | 0 | 23.64 | PASS |
| 16QAM | LCH | 1 | 0 | 23.69 | PASS |
| | | 1 | 3 | 23.51 | PASS |
| | | 1 | 5 | 23.53 | PASS |
| | | 3 | 0 | 23.39 | PASS |
| | | 3 | 2 | 23.32 | PASS |
| | | 3 | 3 | 23.38 | PASS |
| | | 6 | 0 | 22.55 | PASS |
| | MCH | 1 | 0 | 23.76 | PASS |
| | | 1 | 3 | 23.61 | PASS |
| | | 1 | 5 | 23.54 | PASS |
| | | 3 | 0 | 23.27 | PASS |
| | | 3 | 2 | 22.92 | PASS |

| | | | | | |
|--|-----|---|---|-------|------|
| | | 3 | 3 | 22.94 | PASS |
| | | 6 | 0 | 22.10 | PASS |
| | HCH | 1 | 0 | 23.84 | PASS |
| | | 1 | 3 | 23.87 | PASS |
| | | 1 | 5 | 23.91 | PASS |
| | | 3 | 0 | 23.65 | PASS |
| | | 3 | 2 | 23.58 | PASS |
| | | 3 | 3 | 23.66 | PASS |
| | | 6 | 0 | 22.94 | PASS |

Channel Bandwidth: 3 MHz

| Modulation | Channel | RB Configuration | | Average Power [dBm] | Verdict |
|------------|---------|------------------|--------|---------------------|---------|
| | | Size | Offset | | |
| QPSK | LCH | 1 | 0 | 24.46 | PASS |
| | | 1 | 7 | 24.50 | PASS |
| | | 1 | 14 | 24.25 | PASS |
| | | 8 | 0 | 23.35 | PASS |
| | | 8 | 4 | 23.65 | PASS |
| | | 8 | 7 | 23.59 | PASS |
| | | 15 | 0 | 23.56 | PASS |
| | MCH | 1 | 0 | 23.97 | PASS |
| | | 1 | 7 | 23.87 | PASS |
| | | 1 | 14 | 23.85 | PASS |
| | | 8 | 0 | 22.76 | PASS |
| | | 8 | 4 | 22.83 | PASS |
| | | 8 | 7 | 22.70 | PASS |
| | | 15 | 0 | 22.75 | PASS |
| | HCH | 1 | 0 | 24.54 | PASS |
| | | 1 | 7 | 24.49 | PASS |
| | | 1 | 14 | 24.42 | PASS |
| | | 8 | 0 | 23.27 | PASS |
| | | 8 | 4 | 23.42 | PASS |
| | | 8 | 7 | 23.42 | PASS |
| | | 15 | 0 | 23.51 | PASS |
| 16QAM | LCH | 1 | 0 | 24.04 | PASS |
| | | 1 | 7 | 24.06 | PASS |
| | | 1 | 14 | 23.75 | PASS |
| | | 8 | 0 | 22.08 | PASS |
| | | 8 | 4 | 22.46 | PASS |
| | | 8 | 7 | 22.38 | PASS |
| | | 15 | 0 | 22.35 | PASS |

| | | | | | |
|--|-----|----|----|-------|------|
| | MCH | 1 | 0 | 23.45 | PASS |
| | | 1 | 7 | 23.39 | PASS |
| | | 1 | 14 | 23.33 | PASS |
| | | 8 | 0 | 21.86 | PASS |
| | | 8 | 4 | 21.93 | PASS |
| | | 8 | 7 | 21.83 | PASS |
| | | 15 | 0 | 21.92 | PASS |
| | HCH | 1 | 0 | 23.80 | PASS |
| | | 1 | 7 | 23.90 | PASS |
| | | 1 | 14 | 23.80 | PASS |
| | | 8 | 0 | 22.42 | PASS |
| | | 8 | 4 | 22.62 | PASS |
| | | 8 | 7 | 22.60 | PASS |
| | | 15 | 0 | 22.66 | PASS |

Channel Bandwidth: 5 MHz

| Modulation | Channel | RB Configuration | | Average Power [dBm] | Verdict |
|------------|---------|------------------|--------|---------------------|---------|
| | | Size | Offset | | |
| QPSK | LCH | 1 | 0 | 24.48 | PASS |
| | | 1 | 12 | 24.43 | PASS |
| | | 1 | 24 | 24.70 | PASS |
| | | 12 | 0 | 23.25 | PASS |
| | | 12 | 6 | 23.46 | PASS |
| | | 12 | 13 | 23.38 | PASS |
| | | 25 | 0 | 23.60 | PASS |
| | MCH | 1 | 0 | 23.91 | PASS |
| | | 1 | 12 | 23.89 | PASS |
| | | 1 | 24 | 23.85 | PASS |
| | | 12 | 0 | 22.56 | PASS |
| | | 12 | 6 | 22.83 | PASS |
| | | 12 | 13 | 22.63 | PASS |
| | | 25 | 0 | 22.81 | PASS |
| | HCH | 1 | 0 | 24.40 | PASS |
| | | 1 | 12 | 24.52 | PASS |
| | | 1 | 24 | 24.46 | PASS |
| | | 12 | 0 | 23.28 | PASS |
| | | 12 | 6 | 23.43 | PASS |
| | | 12 | 13 | 23.30 | PASS |
| | | 25 | 0 | 23.49 | PASS |
| 16QAM | LCH | 1 | 0 | 24.01 | PASS |
| | | 1 | 12 | 23.93 | PASS |

| | | | | | |
|--|-----|----|----|-------|------|
| | | 1 | 24 | 24.10 | PASS |
| | | 12 | 0 | 22.03 | PASS |
| | | 12 | 6 | 22.25 | PASS |
| | | 12 | 13 | 22.08 | PASS |
| | | 25 | 0 | 22.90 | PASS |
| | MCH | 1 | 0 | 23.37 | PASS |
| | | 1 | 12 | 23.39 | PASS |
| | | 1 | 24 | 23.29 | PASS |
| | | 12 | 0 | 21.92 | PASS |
| | | 12 | 6 | 22.11 | PASS |
| | | 12 | 13 | 21.92 | PASS |
| | | 25 | 0 | 22.03 | PASS |
| | HCH | 1 | 0 | 23.65 | PASS |
| | | 1 | 12 | 23.82 | PASS |
| | | 1 | 24 | 23.75 | PASS |
| | | 12 | 0 | 22.52 | PASS |
| | | 12 | 6 | 22.67 | PASS |
| | | 12 | 13 | 22.52 | PASS |
| | | 25 | 0 | 22.83 | PASS |

Channel Bandwidth: 10 MHz

| Modulation | Channel | RB Configuration | | Average Power [dBm] | Verdict |
|------------|---------|------------------|--------|---------------------|---------|
| | | Size | Offset | | |
| QPSK | LCH | 1 | 0 | 24.45 | PASS |
| | | 1 | 24 | 24.54 | PASS |
| | | 1 | 49 | 24.51 | PASS |
| | | 25 | 0 | 23.58 | PASS |
| | | 25 | 12 | 23.68 | PASS |
| | | 25 | 25 | 23.81 | PASS |
| | | 50 | 0 | 23.74 | PASS |
| | MCH | 1 | 0 | 24.02 | PASS |
| | | 1 | 24 | 23.81 | PASS |
| | | 1 | 49 | 23.73 | PASS |
| | | 25 | 0 | 22.92 | PASS |
| | | 25 | 12 | 22.84 | PASS |
| | | 25 | 25 | 22.86 | PASS |
| | | 50 | 0 | 22.73 | PASS |
| | HCH | 1 | 0 | 24.24 | PASS |
| | | 1 | 24 | 24.44 | PASS |
| | | 1 | 49 | 24.48 | PASS |
| | | 25 | 0 | 23.29 | PASS |

| | | | | | |
|-------|-----|----|----|-------|------|
| | | 25 | 12 | 23.39 | PASS |
| | | 25 | 25 | 23.41 | PASS |
| | | 50 | 0 | 23.44 | PASS |
| 16QAM | LCH | 1 | 0 | 23.96 | PASS |
| | | 1 | 24 | 24.09 | PASS |
| | | 1 | 49 | 23.98 | PASS |
| | | 25 | 0 | 22.93 | PASS |
| | | 25 | 12 | 22.75 | PASS |
| | | 25 | 25 | 23.03 | PASS |
| | | 50 | 0 | 22.92 | PASS |
| | MCH | 1 | 0 | 23.55 | PASS |
| | | 1 | 24 | 23.51 | PASS |
| | | 1 | 49 | 23.24 | PASS |
| | | 25 | 0 | 22.09 | PASS |
| | | 25 | 12 | 22.02 | PASS |
| | | 25 | 25 | 22.08 | PASS |
| | | 50 | 0 | 21.98 | PASS |
| | HCH | 1 | 0 | 23.61 | PASS |
| | | 1 | 24 | 23.84 | PASS |
| | | 1 | 49 | 23.83 | PASS |
| | | 25 | 0 | 22.65 | PASS |
| | | 25 | 12 | 22.62 | PASS |
| | | 25 | 25 | 22.76 | PASS |
| | | 50 | 0 | 22.66 | PASS |

Channel Bandwidth: 15 MHz

| Modulation | Channel | RB Configuration | | Average Power [dBm] | Verdict |
|------------|---------|------------------|--------|---------------------|---------|
| | | Size | Offset | | |
| QPSK | LCH | 1 | 0 | 23.20 | PASS |
| | | 1 | 37 | 24.59 | PASS |
| | | 1 | 74 | 24.36 | PASS |
| | | 37 | 0 | 23.63 | PASS |
| | | 37 | 18 | 23.83 | PASS |
| | | 37 | 38 | 23.70 | PASS |
| | | 75 | 0 | 23.67 | PASS |
| | MCH | 1 | 0 | 24.32 | PASS |
| | | 1 | 37 | 23.75 | PASS |
| | | 1 | 74 | 23.89 | PASS |
| | | 37 | 0 | 23.06 | PASS |
| | | 37 | 18 | 23.00 | PASS |
| | | 37 | 38 | 22.77 | PASS |

| | | | | | |
|-------|-----|-------|------|-------|------|
| | HCH | 75 | 0 | 22.81 | PASS |
| | | 1 | 0 | 23.86 | PASS |
| | | 1 | 37 | 24.29 | PASS |
| | | 1 | 74 | 24.56 | PASS |
| | | 37 | 0 | 22.99 | PASS |
| | | 37 | 18 | 23.47 | PASS |
| | | 37 | 38 | 23.40 | PASS |
| 16QAM | LCH | 75 | 0 | 23.27 | PASS |
| | | 1 | 0 | 23.48 | PASS |
| | | 1 | 37 | 24.14 | PASS |
| | | 1 | 74 | 23.94 | PASS |
| | | 37 | 0 | 22.14 | PASS |
| | | 37 | 18 | 22.30 | PASS |
| | | 37 | 38 | 22.40 | PASS |
| | MCH | 75 | 0 | 22.28 | PASS |
| | | 1 | 0 | 23.73 | PASS |
| | | 1 | 37 | 23.15 | PASS |
| | | 1 | 74 | 23.24 | PASS |
| | | 37 | 0 | 22.15 | PASS |
| | | 37 | 18 | 22.23 | PASS |
| | | 37 | 38 | 21.94 | PASS |
| | HCH | 75 | 0 | 22.11 | PASS |
| | | 1 | 0 | 23.44 | PASS |
| | | 1 | 37 | 23.64 | PASS |
| | | 1 | 74 | 23.89 | PASS |
| | | 37 | 0 | 22.31 | PASS |
| | | 37 | 18 | 22.67 | PASS |
| | | 37 | 38 | 22.71 | PASS |
| 75 | 0 | 22.61 | PASS | | |

Channel Bandwidth: 20 MHz

| Modulation | Channel | RB Configuration | | Average Power [dBm] | Verdict |
|------------|---------|------------------|--------|---------------------|---------|
| | | Size | Offset | | |
| QPSK | LCH | 1 | 0 | 23.91 | PASS |
| | | 1 | 49 | 24.66 | PASS |
| | | 1 | 99 | 23.97 | PASS |
| | | 50 | 0 | 23.59 | PASS |
| | | 50 | 25 | 23.57 | PASS |
| | | 50 | 50 | 23.20 | PASS |
| | | 100 | 0 | 23.52 | PASS |
| | MCH | 1 | 0 | 24.37 | PASS |

| | | | | | |
|-----|-------|-------|------|-------|-------|
| | | 1 | 49 | 23.64 | PASS |
| | | 1 | 99 | 23.75 | PASS |
| | | 50 | 0 | 22.82 | PASS |
| | | 50 | 25 | 22.52 | PASS |
| | | 50 | 50 | 22.57 | PASS |
| | | 100 | 0 | 22.66 | PASS |
| | HCH | 1 | 0 | 23.43 | PASS |
| | | 1 | 49 | 23.85 | PASS |
| | | 1 | 99 | 24.28 | PASS |
| | | 50 | 0 | 22.77 | PASS |
| | | 50 | 25 | 23.01 | PASS |
| | | 50 | 50 | 23.29 | PASS |
| | 16QAM | LCH | 100 | 0 | 23.00 |
| 1 | | | 0 | 23.80 | PASS |
| 1 | | | 49 | 24.00 | PASS |
| 1 | | | 99 | 23.42 | PASS |
| 50 | | | 0 | 22.71 | PASS |
| 50 | | | 25 | 22.71 | PASS |
| 50 | | | 50 | 22.43 | PASS |
| MCH | | 100 | 0 | 22.72 | PASS |
| | | 1 | 0 | 23.85 | PASS |
| | | 1 | 49 | 23.08 | PASS |
| | | 1 | 99 | 23.28 | PASS |
| | | 50 | 0 | 22.11 | PASS |
| | | 50 | 25 | 21.82 | PASS |
| | | 50 | 50 | 21.91 | PASS |
| HCH | | 100 | 0 | 21.90 | PASS |
| | | 1 | 0 | 22.95 | PASS |
| | | 1 | 49 | 23.25 | PASS |
| | | 1 | 99 | 23.68 | PASS |
| | | 50 | 0 | 21.94 | PASS |
| | | 50 | 25 | 22.26 | PASS |
| | | 50 | 50 | 22.56 | PASS |
| 100 | 0 | 22.35 | 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 | 5.61 | <13 | PASS |
| | | 1 | 3 | 5.39 | <13 | PASS |
| | | 1 | 5 | 5.58 | <13 | PASS |
| | | 3 | 0 | 5.63 | <13 | PASS |
| | | 3 | 2 | 5.53 | <13 | PASS |
| | | 3 | 3 | 5.48 | <13 | PASS |
| | | 6 | 0 | 5.48 | <13 | PASS |
| | MCH | 1 | 0 | 6.06 | <13 | PASS |
| | | 1 | 3 | 6.01 | <13 | PASS |
| | | 1 | 5 | 6.1 | <13 | PASS |
| | | 3 | 0 | 6.31 | <13 | PASS |
| | | 3 | 2 | 5.9 | <13 | PASS |
| | | 3 | 3 | 6.24 | <13 | PASS |
| | | 6 | 0 | 6 | <13 | PASS |
| | HCH | 1 | 0 | 5.1 | <13 | PASS |
| | | 1 | 3 | 4.98 | <13 | PASS |
| | | 1 | 5 | 5.09 | <13 | PASS |
| | | 3 | 0 | 5.23 | <13 | PASS |
| | | 3 | 2 | 5.03 | <13 | PASS |
| | | 3 | 3 | 5.24 | <13 | PASS |
| | | 6 | 0 | 5.03 | <13 | PASS |
| 16QAM | LCH | 1 | 0 | 6.31 | <13 | PASS |
| | | 1 | 3 | 6.07 | <13 | PASS |
| | | 1 | 5 | 6.18 | <13 | PASS |
| | | 3 | 0 | 6.53 | <13 | PASS |
| | | 3 | 2 | 6.25 | <13 | PASS |
| | | 3 | 3 | 6.34 | <13 | PASS |
| | | 6 | 0 | 6.37 | <13 | PASS |
| | MCH | 1 | 0 | 6.84 | <13 | PASS |
| | | 1 | 3 | 6.72 | <13 | PASS |
| 1 | | 5 | 6.85 | <13 | PASS | |

| | | | | | | |
|--|-----|---|---|------|-----|------|
| | | 3 | 0 | 7.19 | <13 | PASS |
| | | 3 | 2 | 7.05 | <13 | PASS |
| | | 3 | 3 | 7.24 | <13 | PASS |
| | | 6 | 0 | 6.68 | <13 | PASS |
| | HCH | 1 | 0 | 5.98 | <13 | PASS |
| | | 1 | 3 | 5.8 | <13 | PASS |
| | | 1 | 5 | 5.82 | <13 | PASS |
| | | 3 | 0 | 5.84 | <13 | PASS |
| | | 3 | 2 | 5.7 | <13 | PASS |
| | | 3 | 3 | 5.77 | <13 | PASS |
| | | 6 | 0 | 5.91 | <13 | PASS |

Channel Bandwidth: 3 MHz

| Channel Bandwidth: 3 MHz | | | | | | |
|--------------------------|---------|------------------|--------|-------------------------------|---------------|---------|
| Modulation | Channel | RB Configuration | | Peak-to-Average Ratio [dB] | Limit [dB] | Verdict |
| | | Size | Offset | | | |
| QPSK | LCH | 1 | 0 | 5.3 | <13 | PASS |
| | | 1 | 7 | 5.31 | <13 | PASS |
| | | 1 | 14 | 5.39 | <13 | PASS |
| | | 8 | 0 | 5.63 | <13 | PASS |
| | | 8 | 4 | 5.36 | <13 | PASS |
| | | 8 | 7 | 5.54 | <13 | PASS |
| | | 15 | 0 | 5.51 | <13 | PASS |
| | MCH | 1 | 0 | 5.36 | <13 | PASS |
| | | 1 | 7 | 5.8 | <13 | PASS |
| | | 1 | 14 | 5.76 | <13 | PASS |
| | | 8 | 0 | 6.16 | <13 | PASS |
| | | 8 | 4 | 5.81 | <13 | PASS |
| | | 8 | 7 | 6.14 | <13 | PASS |
| | | 15 | 0 | 6.08 | <13 | PASS |
| | HCH | 1 | 0 | 4.92 | <13 | PASS |
| | | 1 | 7 | 5 | <13 | PASS |
| | | 1 | 14 | 5.08 | <13 | PASS |
| | | 8 | 0 | 5.36 | <13 | PASS |
| | | 8 | 4 | 5.19 | <13 | PASS |
| | | 8 | 7 | 5.34 | <13 | PASS |
| | | 15 | 0 | 5.18 | <13 | PASS |
| 16QAM | LCH | 1 | 0 | 6.2 | <13 | PASS |
| | | 1 | 7 | 6.23 | <13 | PASS |
| | | 1 | 14 | 6.1 | <13 | PASS |
| | | 8 | 0 | 5.96 | <13 | PASS |

| | | | | | | |
|--|-----|----|----|------|-----|------|
| | | 8 | 4 | 6.01 | <13 | PASS |
| | | 8 | 7 | 6.09 | <13 | PASS |
| | | 15 | 0 | 6.36 | <13 | PASS |
| | MCH | 1 | 0 | 6.7 | <13 | PASS |
| | | 1 | 7 | 6.37 | <13 | PASS |
| | | 1 | 14 | 6.69 | <13 | PASS |
| | | 8 | 0 | 6.63 | <13 | PASS |
| | | 8 | 4 | 6.43 | <13 | PASS |
| | | 8 | 7 | 6.51 | <13 | PASS |
| | | 15 | 0 | 6.83 | <13 | PASS |
| | HCH | 1 | 0 | 5.89 | <13 | PASS |
| | | 1 | 7 | 5.84 | <13 | PASS |
| | | 1 | 14 | 5.84 | <13 | PASS |
| | | 8 | 0 | 6.34 | <13 | PASS |
| | | 8 | 4 | 6.16 | <13 | PASS |
| | | 8 | 7 | 6.18 | <13 | PASS |
| | | 15 | 0 | 5.93 | <13 | PASS |

Channel Bandwidth: 5 MHz

| Channel Bandwidth: 5 MHz | | | | | | |
|--------------------------|---------|------------------|--------|-------------------------------|---------------|---------|
| Modulation | Channel | RB Configuration | | Peak-to-Average Ratio [dB] | Limit [dB] | Verdict |
| | | Size | Offset | | | |
| QPSK | LCH | 1 | 0 | 5.51 | <13 | PASS |
| | | 1 | 12 | 5.82 | <13 | PASS |
| | | 1 | 24 | 5.51 | <13 | PASS |
| | | 12 | 0 | 5.61 | <13 | PASS |
| | | 12 | 6 | 5.42 | <13 | PASS |
| | | 12 | 13 | 5.56 | <13 | PASS |
| | | 25 | 0 | 5.53 | <13 | PASS |
| | MCH | 1 | 0 | 5.83 | <13 | PASS |
| | | 1 | 12 | 5.85 | <13 | PASS |
| | | 1 | 24 | 6.12 | <13 | PASS |
| | | 12 | 0 | 5.83 | <13 | PASS |
| | | 12 | 6 | 5.74 | <13 | PASS |
| | | 12 | 13 | 5.8 | <13 | PASS |
| | | 25 | 0 | 5.93 | <13 | PASS |
| | HCH | 1 | 0 | 5.27 | <13 | PASS |
| | | 1 | 12 | 4.72 | <13 | PASS |
| | | 1 | 24 | 4.86 | <13 | PASS |
| | | 12 | 0 | 5.38 | <13 | PASS |
| | | 12 | 6 | 5.32 | <13 | PASS |

| | | | | | | |
|-------|-----|-----|----|------|------|------|
| | | 12 | 13 | 5.24 | <13 | PASS |
| | | 25 | 0 | 5.33 | <13 | PASS |
| 16QAM | LCH | 1 | 0 | 6.19 | <13 | PASS |
| | | 1 | 12 | 6.16 | <13 | PASS |
| | | 1 | 24 | 6.21 | <13 | PASS |
| | | 12 | 0 | 6.17 | <13 | PASS |
| | | 12 | 6 | 6.28 | <13 | PASS |
| | | 12 | 13 | 6.5 | <13 | PASS |
| | | 25 | 0 | 6.18 | <13 | PASS |
| | | MCH | 1 | 0 | 7.07 | <13 |
| | 1 | | 12 | 6.75 | <13 | PASS |
| | 1 | | 24 | 6.93 | <13 | PASS |
| | 12 | | 0 | 6.58 | <13 | PASS |
| | 12 | | 6 | 6.56 | <13 | PASS |
| | 12 | | 13 | 6.58 | <13 | PASS |
| | 25 | | 0 | 6.56 | <13 | PASS |
| | HCH | 1 | 0 | 5.62 | <13 | PASS |
| | | 1 | 12 | 5.71 | <13 | PASS |
| | | 1 | 24 | 5.73 | <13 | PASS |
| | | 12 | 0 | 6.1 | <13 | PASS |
| | | 12 | 6 | 5.91 | <13 | PASS |
| | | 12 | 13 | 5.99 | <13 | PASS |
| | | 25 | 0 | 5.96 | <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 | 5.36 | <13 | PASS |
| | | 1 | 24 | 5.32 | <13 | PASS |
| | | 1 | 49 | 5.65 | <13 | PASS |
| | | 25 | 0 | 5.6 | <13 | PASS |
| | | 25 | 12 | 5.44 | <13 | PASS |
| | | 25 | 25 | 5.69 | <13 | PASS |
| | | 50 | 0 | 5.55 | <13 | PASS |
| | MCH | 1 | 0 | 5.45 | <13 | PASS |
| | | 1 | 24 | 5.43 | <13 | PASS |
| | | 1 | 49 | 5.58 | <13 | PASS |
| | | 25 | 0 | 6.14 | <13 | PASS |
| | | 25 | 12 | 5.84 | <13 | PASS |
| | | 25 | 25 | 6.12 | <13 | PASS |

| | | | | | | |
|-------|-----|----|----|------|-----|------|
| | HCH | 50 | 0 | 5.89 | <13 | PASS |
| | | 1 | 0 | 5.4 | <13 | PASS |
| | | 1 | 24 | 5.03 | <13 | PASS |
| | | 1 | 49 | 4.8 | <13 | PASS |
| | | 25 | 0 | 5.49 | <13 | PASS |
| | | 25 | 12 | 5.2 | <13 | PASS |
| | | 25 | 25 | 5.25 | <13 | PASS |
| | | 50 | 0 | 5.36 | <13 | PASS |
| 16QAM | LCH | 1 | 0 | 6.17 | <13 | PASS |
| | | 1 | 24 | 6.12 | <13 | PASS |
| | | 1 | 49 | 6.56 | <13 | PASS |
| | | 25 | 0 | 6.25 | <13 | PASS |
| | | 25 | 12 | 6.25 | <13 | PASS |
| | | 25 | 25 | 6.47 | <13 | PASS |
| | | 50 | 0 | 6.23 | <13 | PASS |
| | MCH | 1 | 0 | 6.57 | <13 | PASS |
| | | 1 | 24 | 6.58 | <13 | PASS |
| | | 1 | 49 | 6.47 | <13 | PASS |
| | | 25 | 0 | 6.83 | <13 | PASS |
| | | 25 | 12 | 6.7 | <13 | PASS |
| | | 25 | 25 | 6.69 | <13 | PASS |
| | | 50 | 0 | 6.69 | <13 | PASS |
| | HCH | 1 | 0 | 6.11 | <13 | PASS |
| | | 1 | 24 | 5.81 | <13 | PASS |
| | | 1 | 49 | 5.79 | <13 | PASS |
| | | 25 | 0 | 6.36 | <13 | PASS |
| | | 25 | 12 | 6.16 | <13 | PASS |
| | | 25 | 25 | 6.06 | <13 | PASS |
| | | 50 | 0 | 6.1 | <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 | 5.35 | <13 | PASS |
| | | 1 | 37 | 5.6 | <13 | PASS |
| | | 1 | 74 | 5.94 | <13 | PASS |
| | | 37 | 0 | 5.58 | <13 | PASS |
| | | 37 | 18 | 5.55 | <13 | PASS |
| | | 37 | 38 | 5.92 | <13 | PASS |
| | | 75 | 0 | 5.99 | <13 | PASS |

| | | | | | | |
|-------|-----|----|----|------|-----|------|
| | MCH | 1 | 0 | 5.91 | <13 | PASS |
| | | 1 | 37 | 6.3 | <13 | PASS |
| | | 1 | 74 | 5.98 | <13 | PASS |
| | | 37 | 0 | 6.04 | <13 | PASS |
| | | 37 | 18 | 5.87 | <13 | PASS |
| | | 37 | 38 | 5.87 | <13 | PASS |
| | | 75 | 0 | 6.24 | <13 | PASS |
| | HCH | 1 | 0 | 5.9 | <13 | PASS |
| | | 1 | 37 | 5.31 | <13 | PASS |
| | | 1 | 74 | 4.9 | <13 | PASS |
| | | 37 | 0 | 5.65 | <13 | PASS |
| | | 37 | 18 | 5.34 | <13 | PASS |
| | | 37 | 38 | 5.38 | <13 | PASS |
| | | 75 | 0 | 5.82 | <13 | PASS |
| 16QAM | LCH | 1 | 0 | 6.33 | <13 | PASS |
| | | 1 | 37 | 6.49 | <13 | PASS |
| | | 1 | 74 | 6.9 | <13 | PASS |
| | | 37 | 0 | 6.29 | <13 | PASS |
| | | 37 | 18 | 6.3 | <13 | PASS |
| | | 37 | 38 | 6.6 | <13 | PASS |
| | | 75 | 0 | 6.42 | <13 | PASS |
| | MCH | 1 | 0 | 6.93 | <13 | PASS |
| | | 1 | 37 | 7.06 | <13 | PASS |
| | | 1 | 74 | 6.81 | <13 | PASS |
| | | 37 | 0 | 6.83 | <13 | PASS |
| | | 37 | 18 | 6.7 | <13 | PASS |
| | | 37 | 38 | 6.69 | <13 | PASS |
| | | 75 | 0 | 6.66 | <13 | PASS |
| | HCH | 1 | 0 | 7.05 | <13 | PASS |
| | | 1 | 37 | 6.16 | <13 | PASS |
| | | 1 | 74 | 5.88 | <13 | PASS |
| | | 37 | 0 | 6.43 | <13 | PASS |
| | | 37 | 18 | 6.16 | <13 | PASS |
| | | 37 | 38 | 6.12 | <13 | PASS |
| | | 75 | 0 | 6.26 | <13 | PASS |

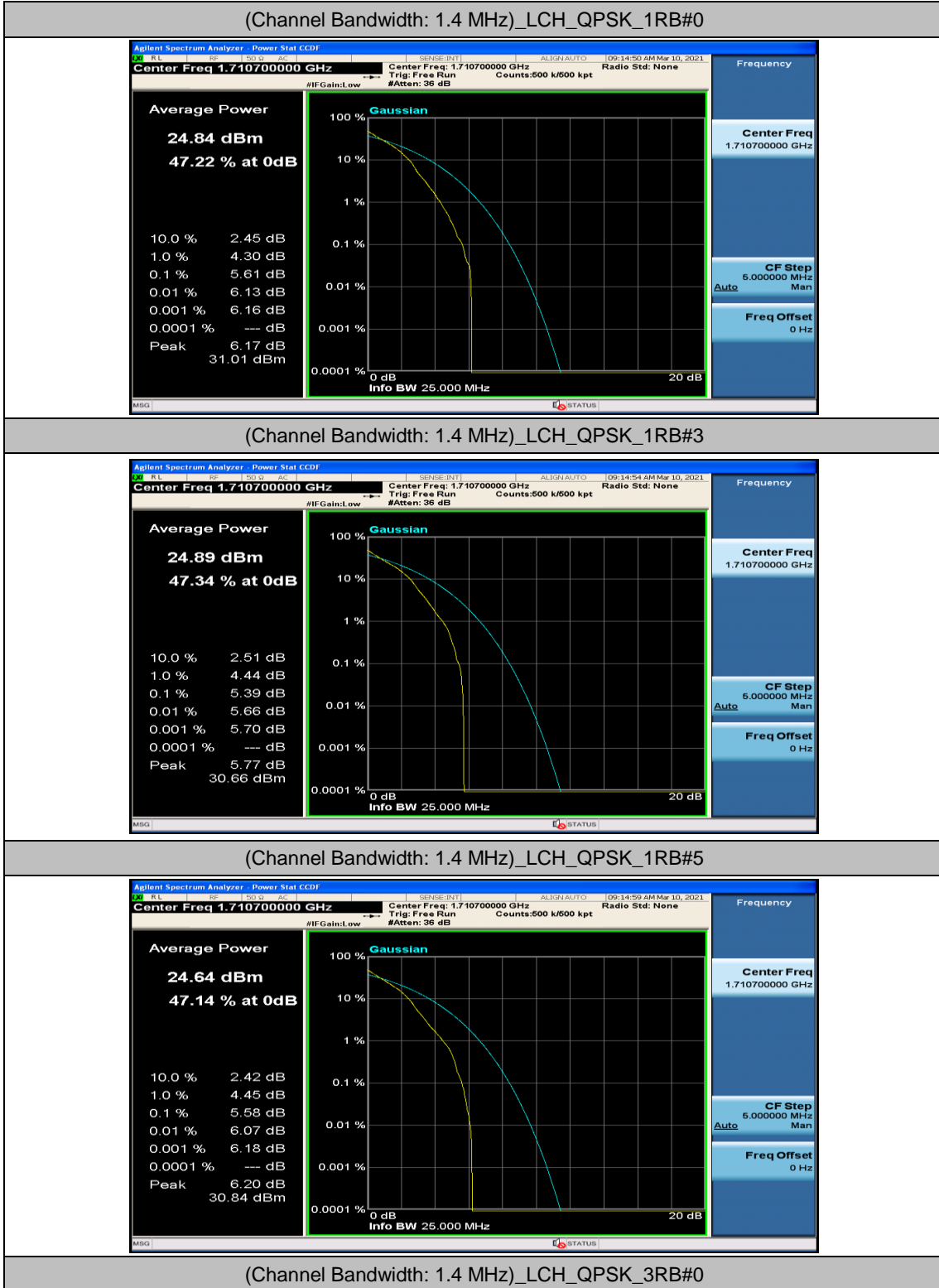
Channel Bandwidth: 20 MHz

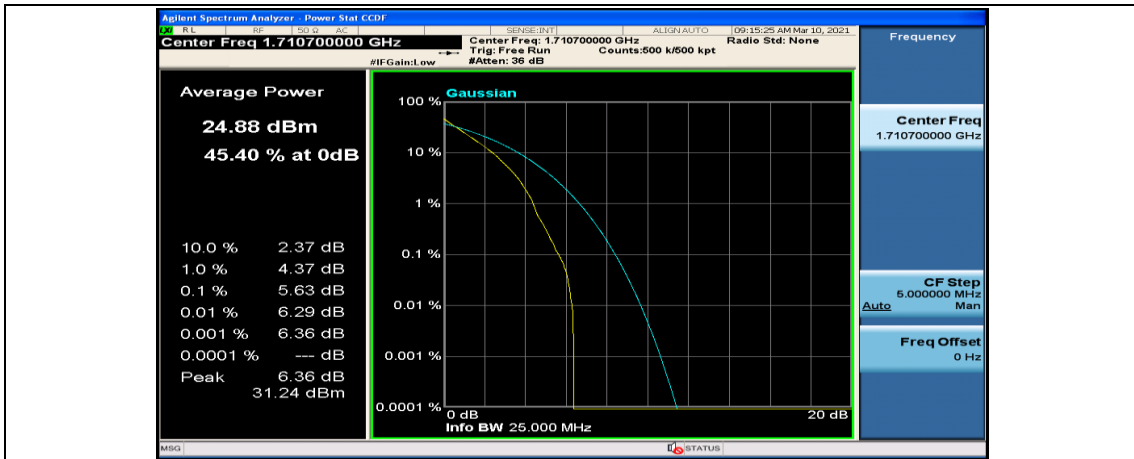
| Channel Bandwidth: 20 MHz | | | | | | |
|---------------------------|---------|------------------|--------|-------------------------------|---------------|---------|
| Modulation | Channel | RB Configuration | | Peak-to-Average Ratio [dB] | Limit [dB] | Verdict |
| | | Size | Offset | | | |
| QPSK | LCH | 1 | 0 | 5.27 | <13 | PASS |

| | | | | | | |
|-----|-------|-----|----|------|-----|------|
| | | 1 | 49 | 5.43 | <13 | PASS |
| | | 1 | 99 | 5.91 | <13 | PASS |
| | | 50 | 0 | 5.68 | <13 | PASS |
| | | 50 | 25 | 5.63 | <13 | PASS |
| | | 50 | 50 | 6.02 | <13 | PASS |
| | | 100 | 0 | 5.73 | <13 | PASS |
| | MCH | 1 | 0 | 6.05 | <13 | PASS |
| | | 1 | 49 | 6.22 | <13 | PASS |
| | | 1 | 99 | 6.03 | <13 | PASS |
| | | 50 | 0 | 6.04 | <13 | PASS |
| | | 50 | 25 | 5.84 | <13 | PASS |
| | | 50 | 50 | 6.14 | <13 | PASS |
| | | 100 | 0 | 5.93 | <13 | PASS |
| | HCH | 1 | 0 | 6.18 | <13 | PASS |
| | | 1 | 49 | 5.76 | <13 | PASS |
| | | 1 | 99 | 5.12 | <13 | PASS |
| | | 50 | 0 | 5.84 | <13 | PASS |
| | | 50 | 25 | 5.47 | <13 | PASS |
| | | 50 | 50 | 5.53 | <13 | PASS |
| | | 100 | 0 | 5.65 | <13 | PASS |
| | 16QAM | LCH | 1 | 0 | 6.4 | <13 |
| 1 | | | 49 | 6.36 | <13 | PASS |
| 1 | | | 99 | 6.74 | <13 | PASS |
| 50 | | | 0 | 6.35 | <13 | PASS |
| 50 | | | 25 | 6.45 | <13 | PASS |
| 50 | | | 50 | 6.71 | <13 | PASS |
| 100 | | | 0 | 6.42 | <13 | PASS |
| MCH | | 1 | 0 | 6.84 | <13 | PASS |
| | | 1 | 49 | 6.59 | <13 | PASS |
| | | 1 | 99 | 6.48 | <13 | PASS |
| | | 50 | 0 | 6.72 | <13 | PASS |
| | | 50 | 25 | 6.6 | <13 | PASS |
| | | 50 | 50 | 6.58 | <13 | PASS |
| | | 100 | 0 | 6.56 | <13 | PASS |
| HCH | | 1 | 0 | 7.15 | <13 | PASS |
| | | 1 | 49 | 6.52 | <13 | PASS |
| | | 1 | 99 | 5.92 | <13 | PASS |
| | | 50 | 0 | 6.57 | <13 | PASS |
| | | 50 | 25 | 6.27 | <13 | PASS |
| | | 50 | 50 | 6.27 | <13 | PASS |
| | | 100 | 0 | 6.38 | <13 | PASS |

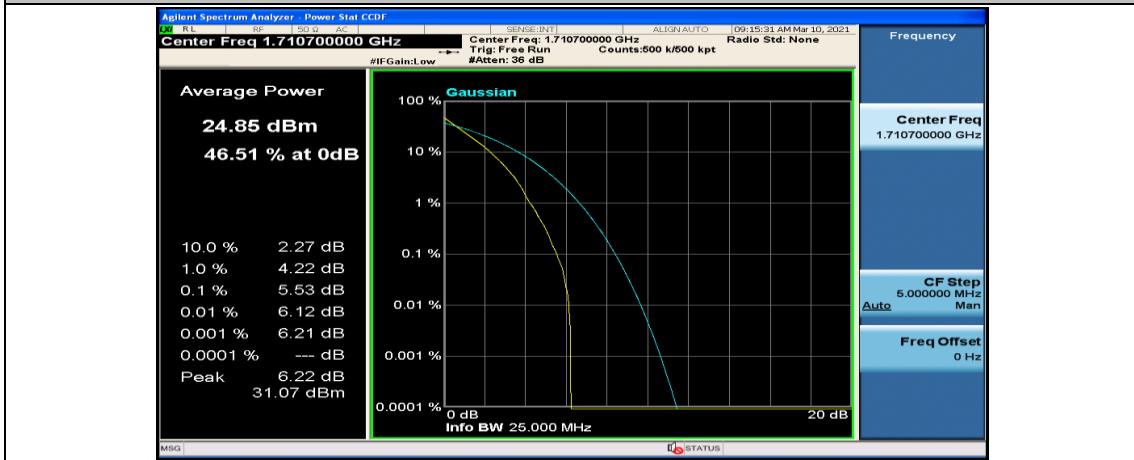
Test Graphs

Channel Bandwidth: 1.4 MHz

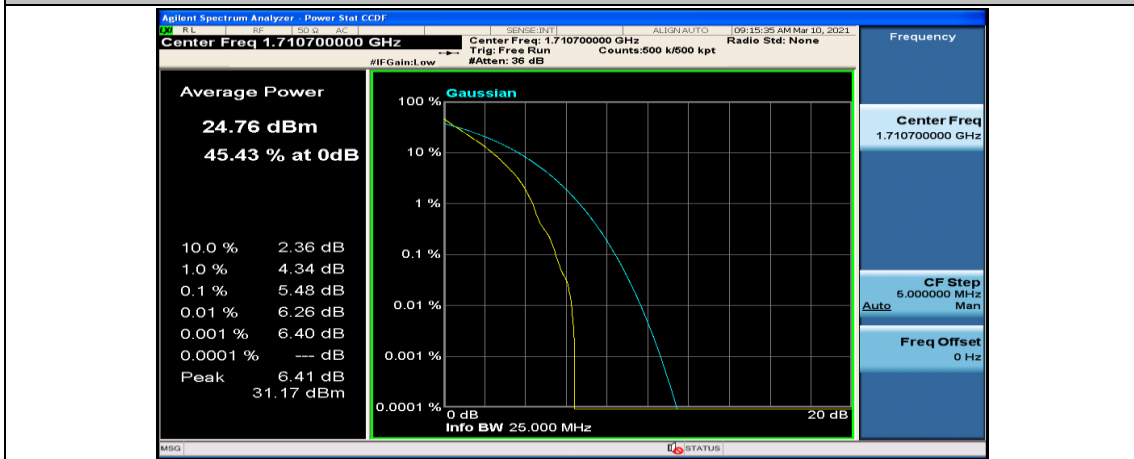




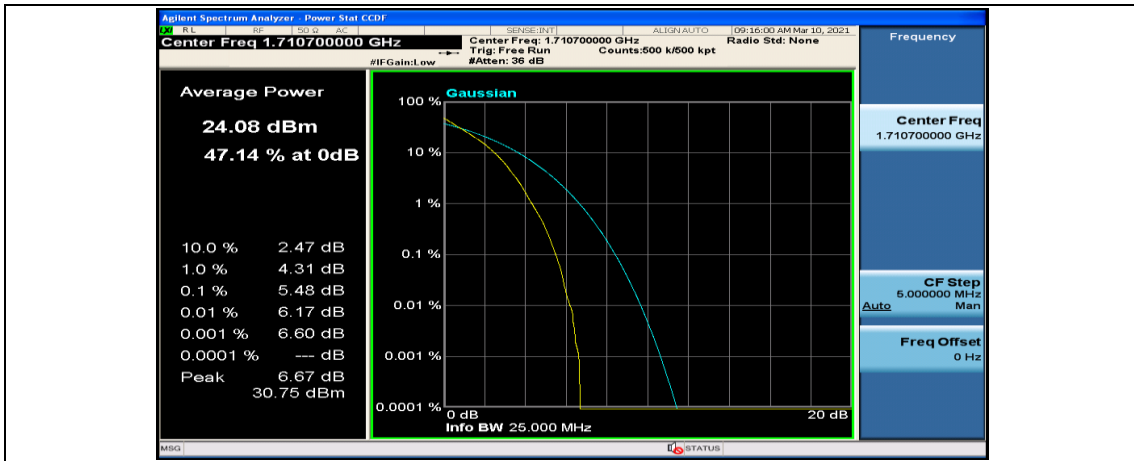
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#2



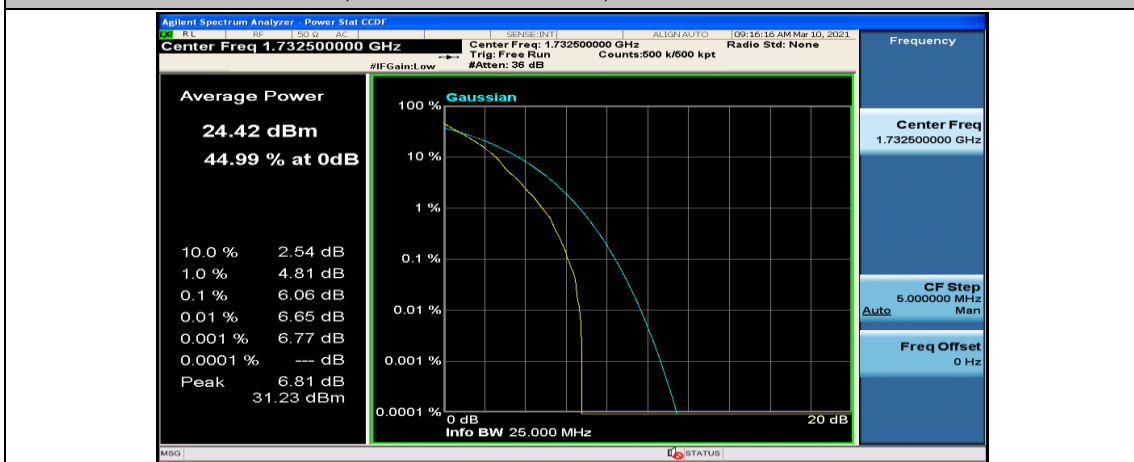
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#3



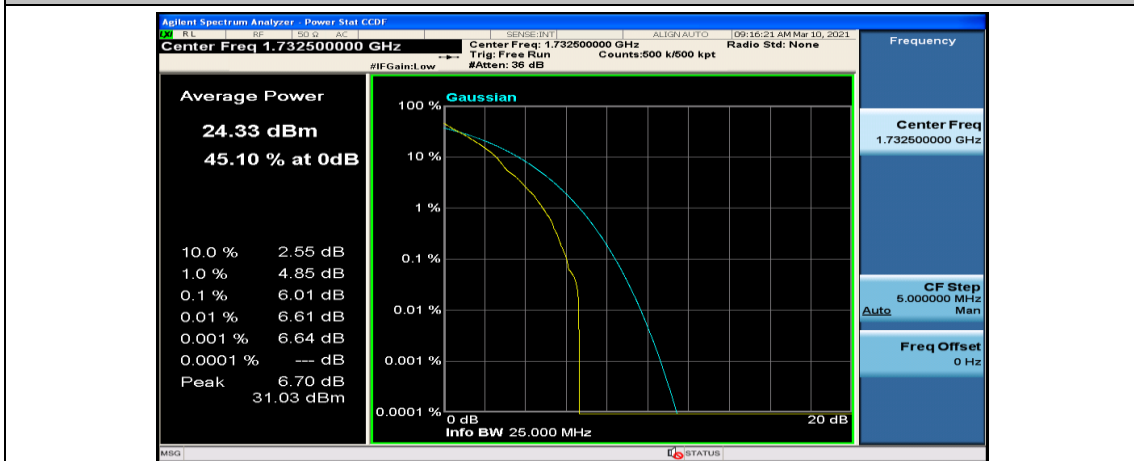
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0



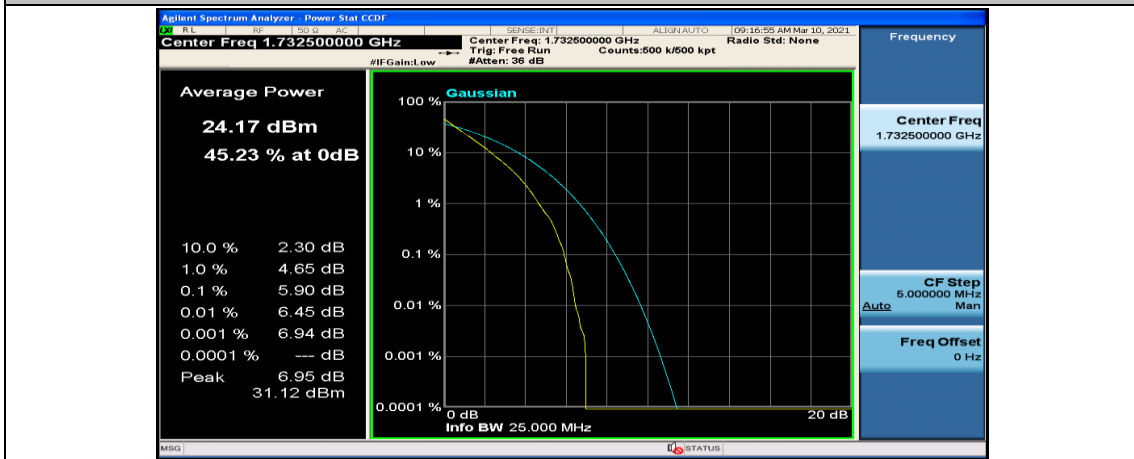
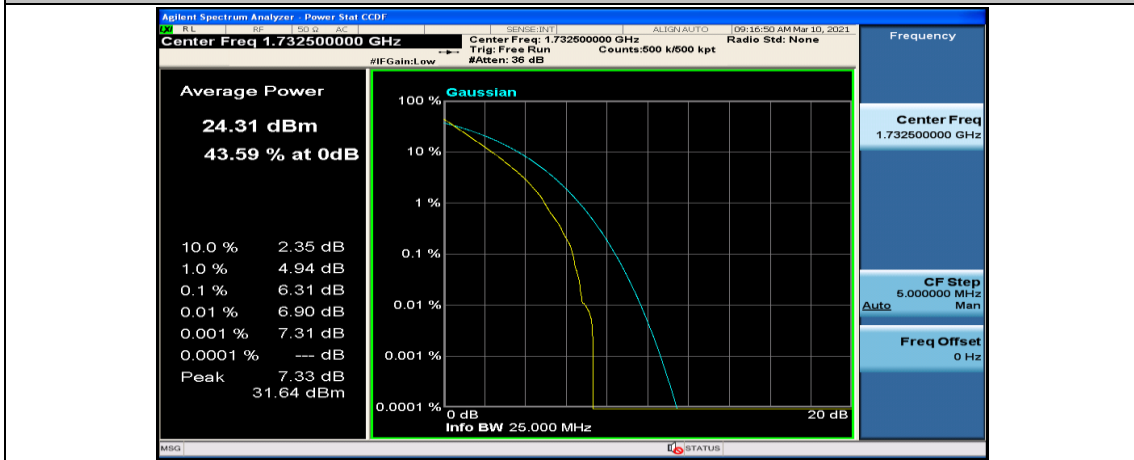
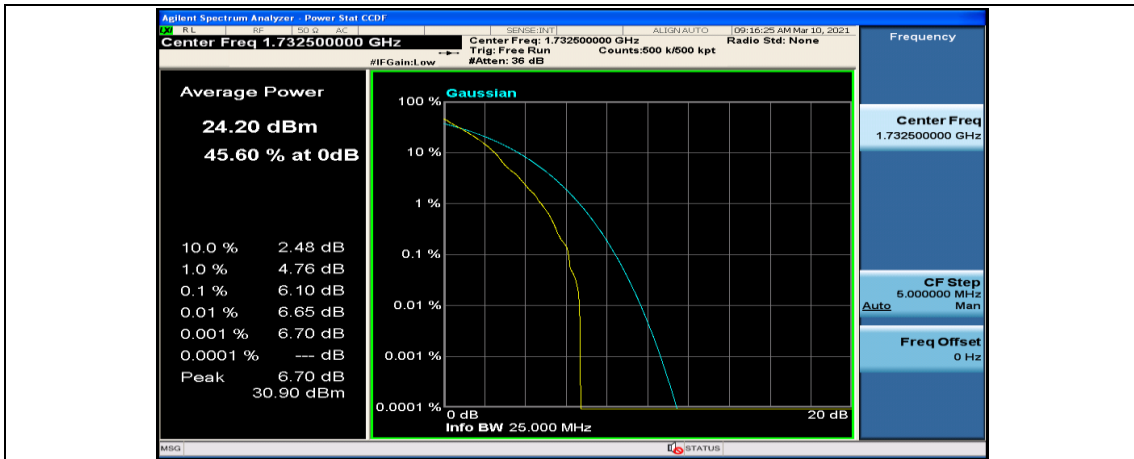
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0

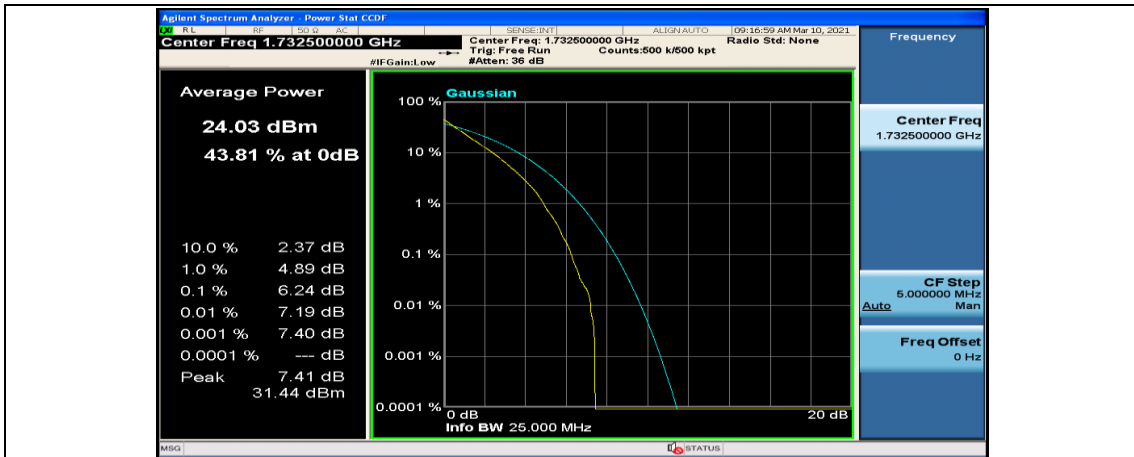


(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3

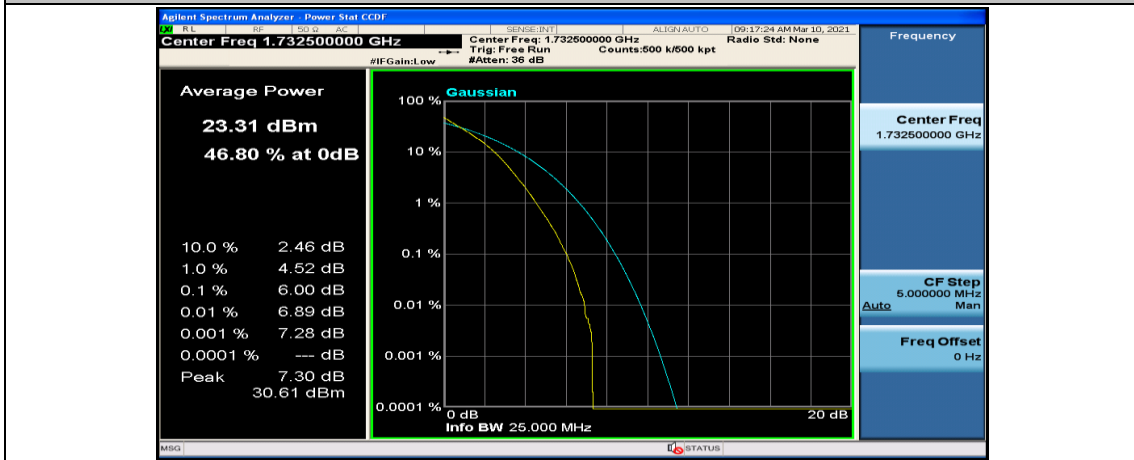


(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5

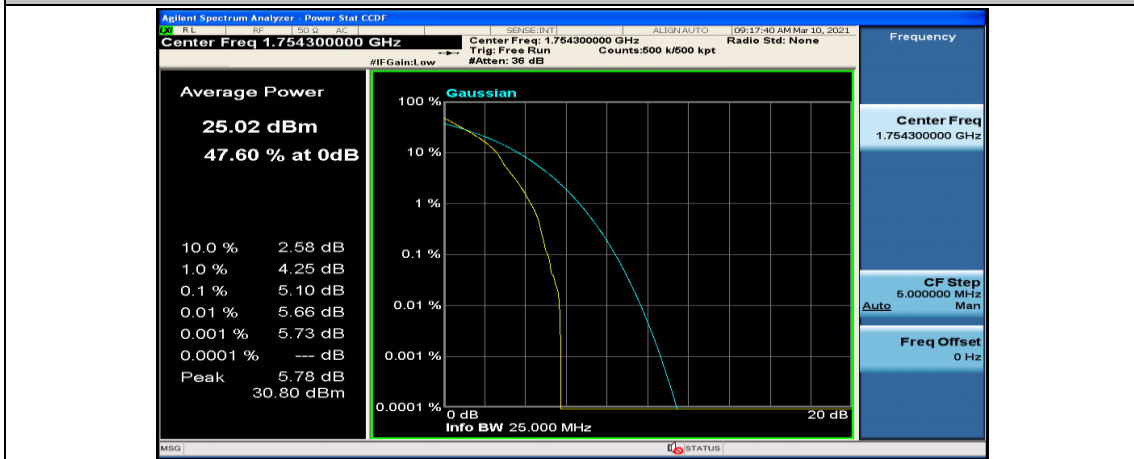




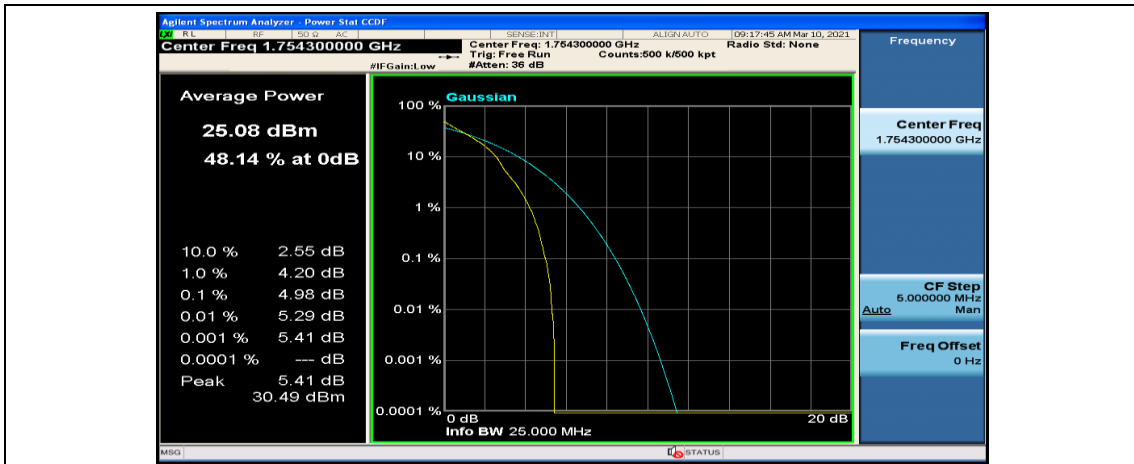
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0



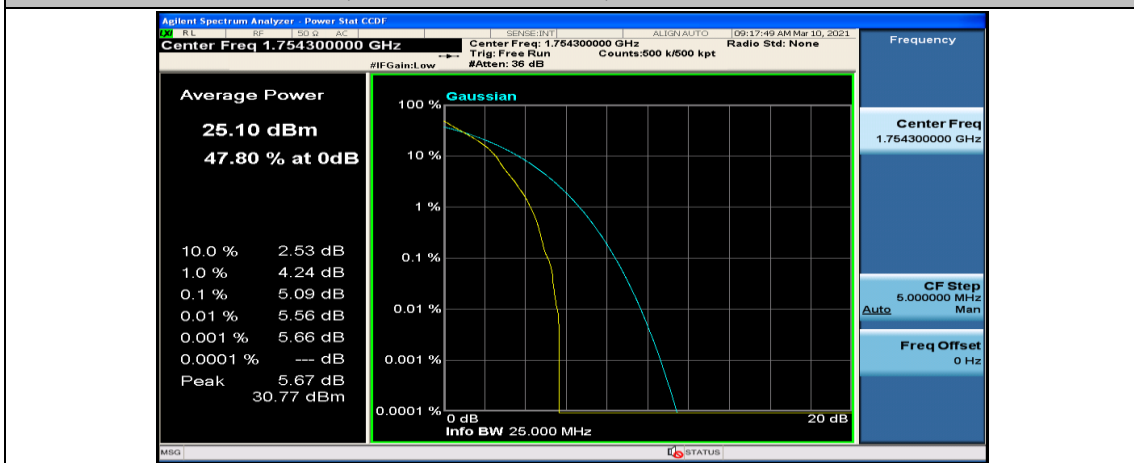
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0



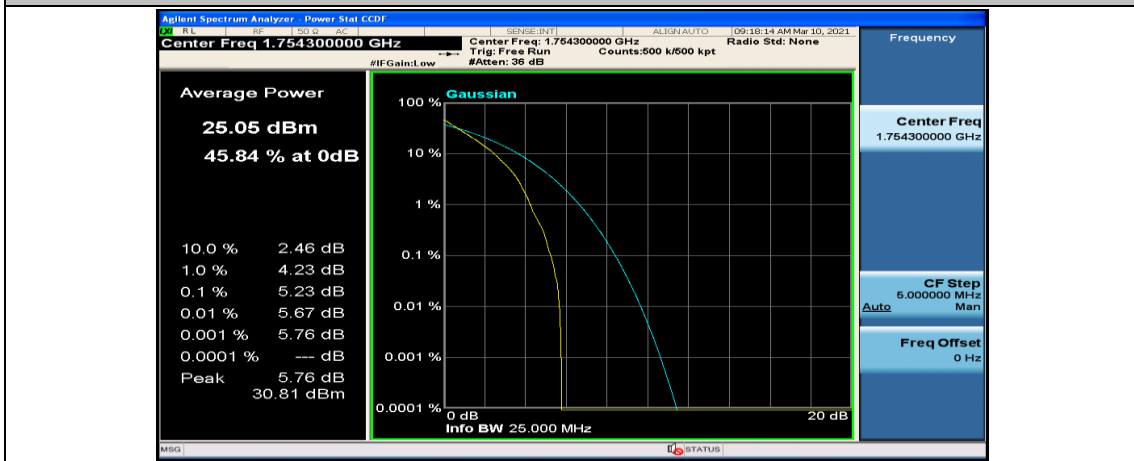
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3



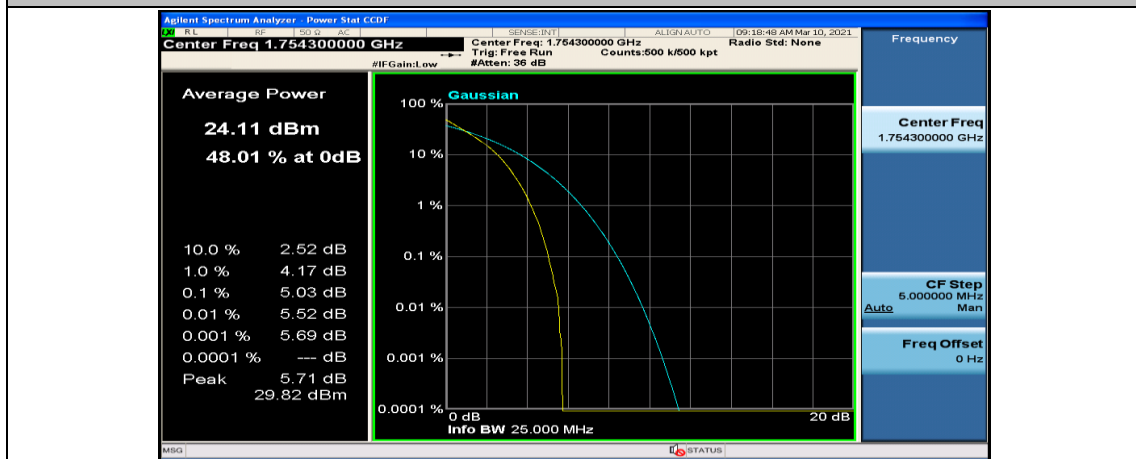
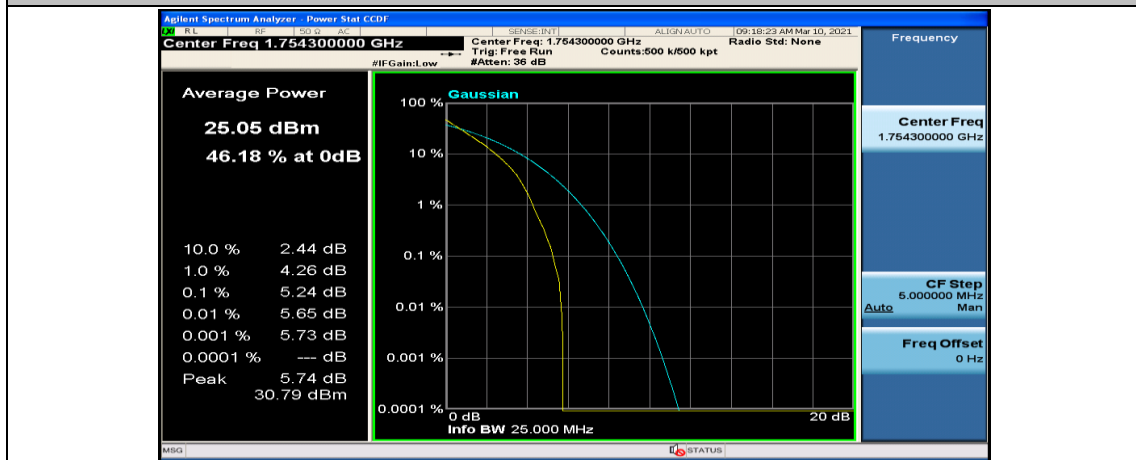
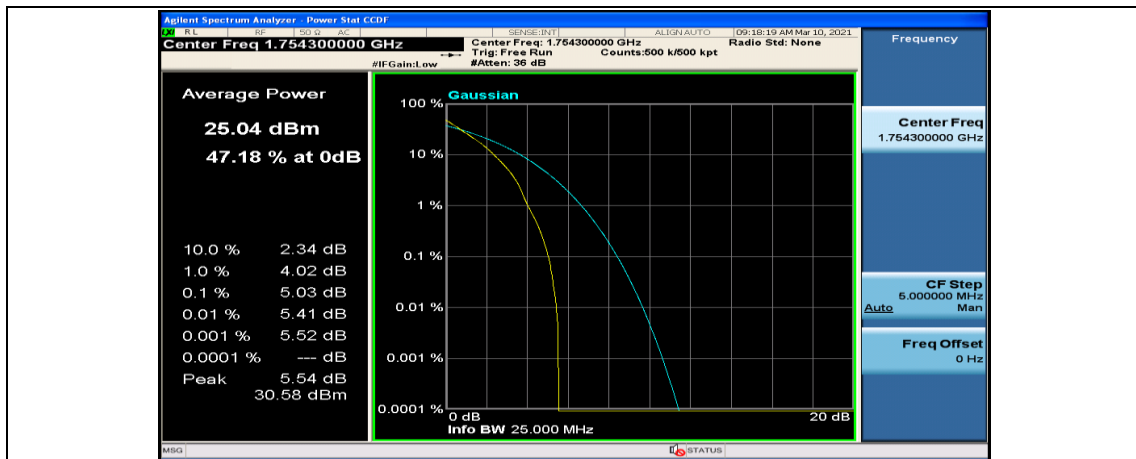
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5

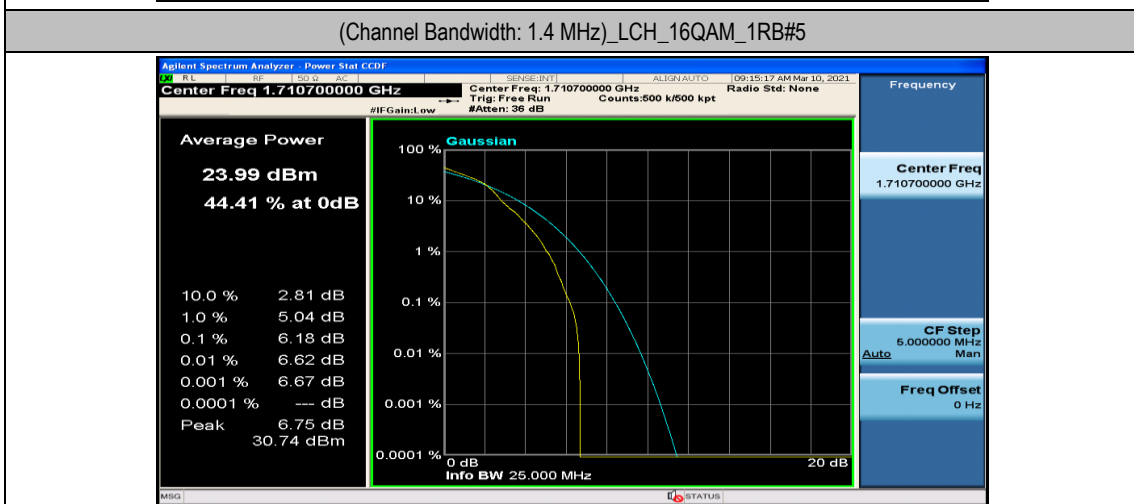
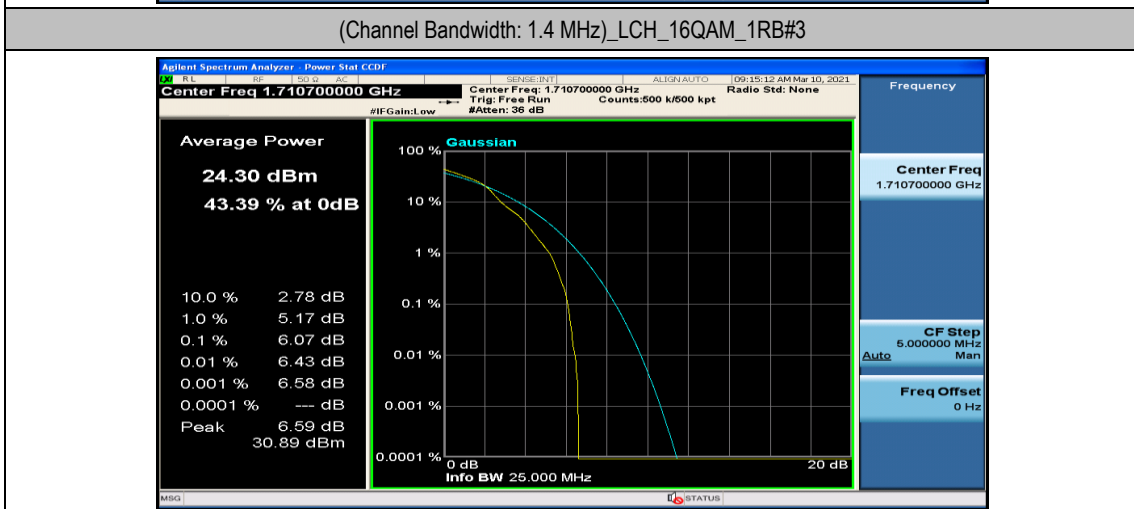
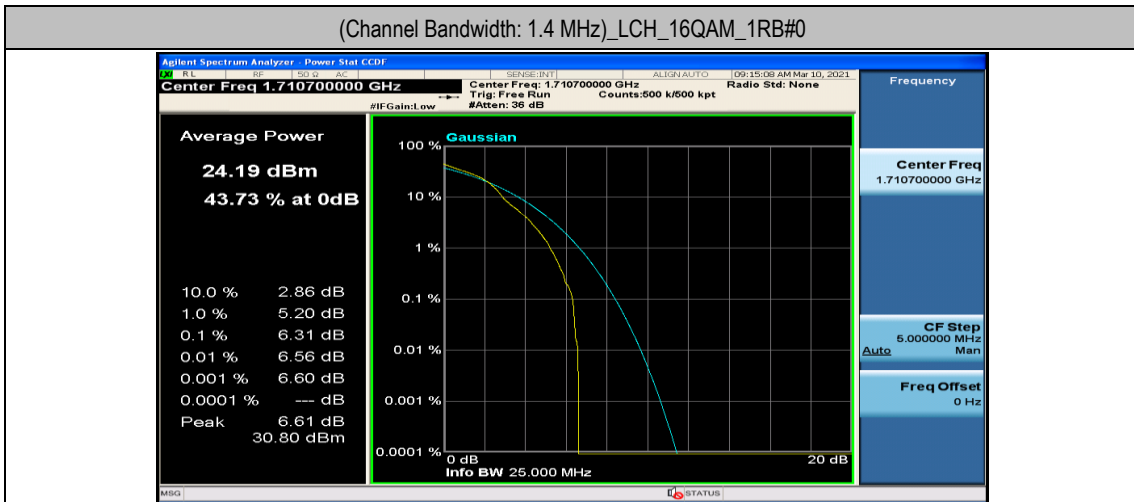


(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#0

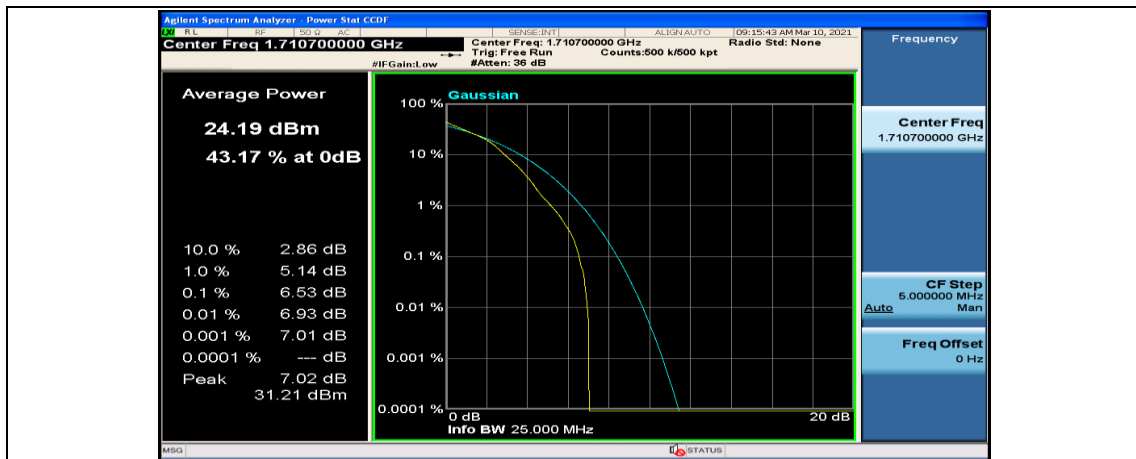


(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#2

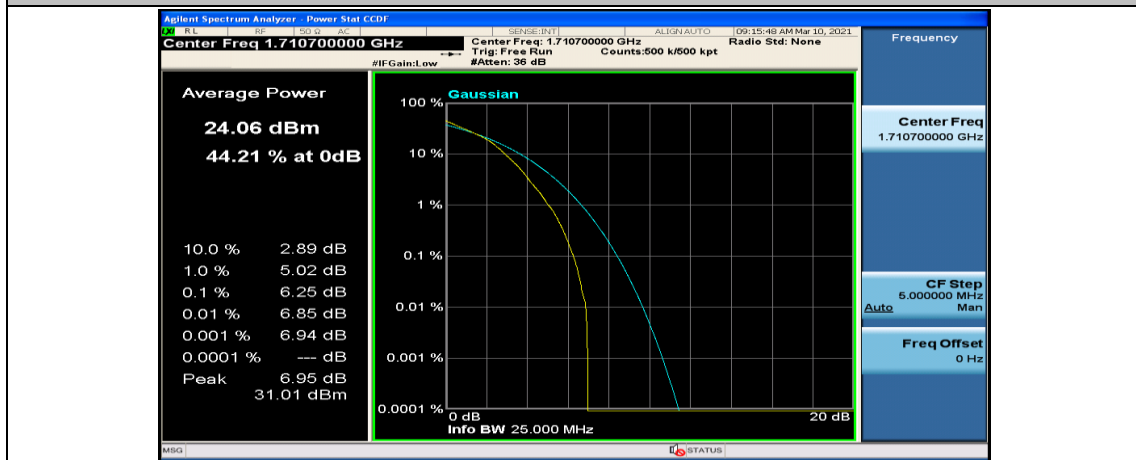




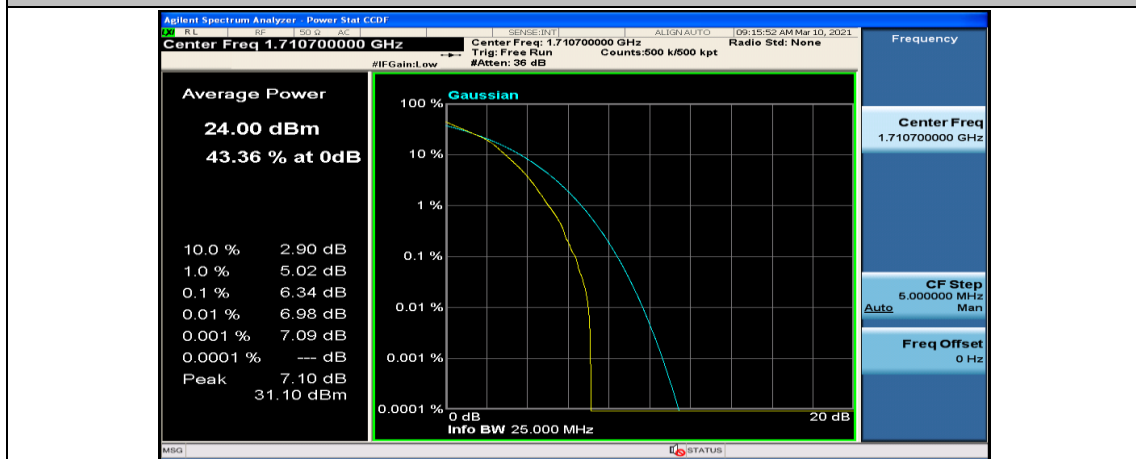
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#0



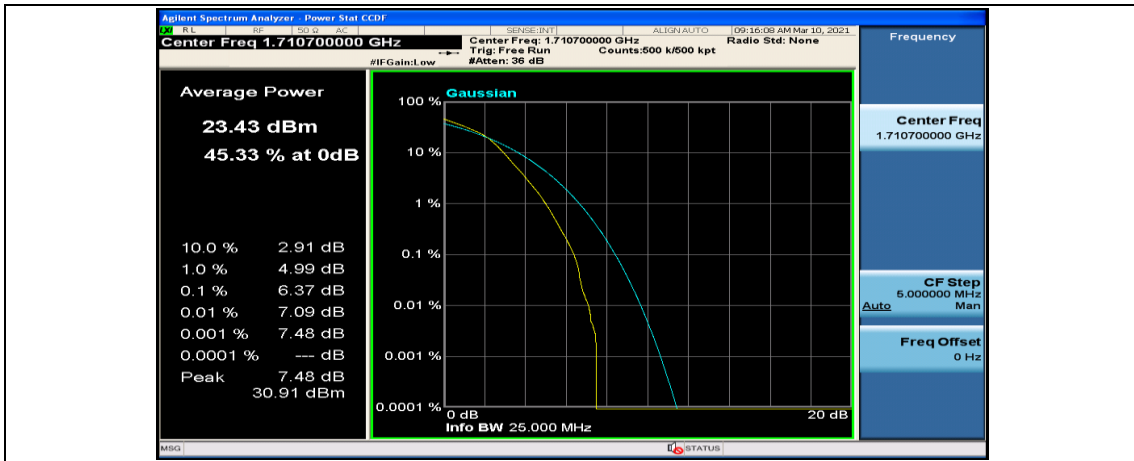
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#2



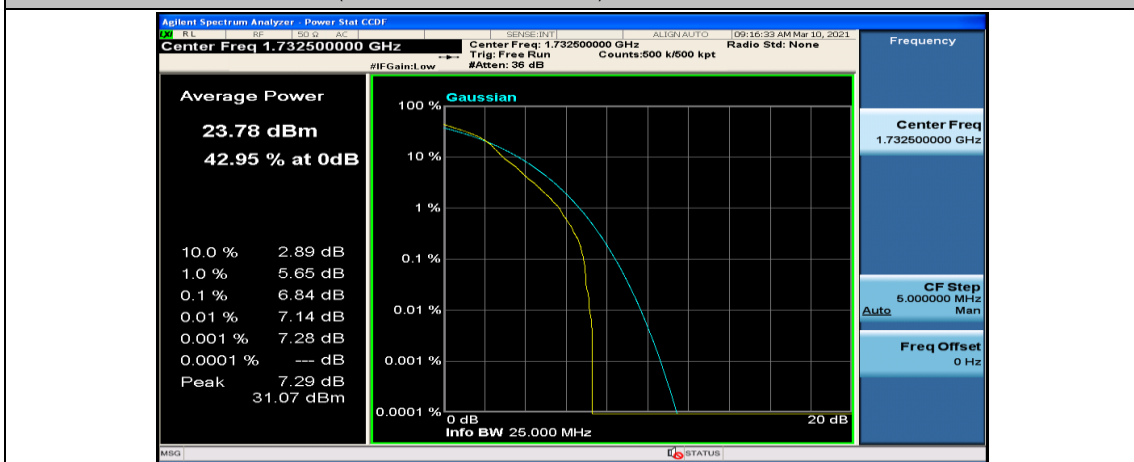
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#3



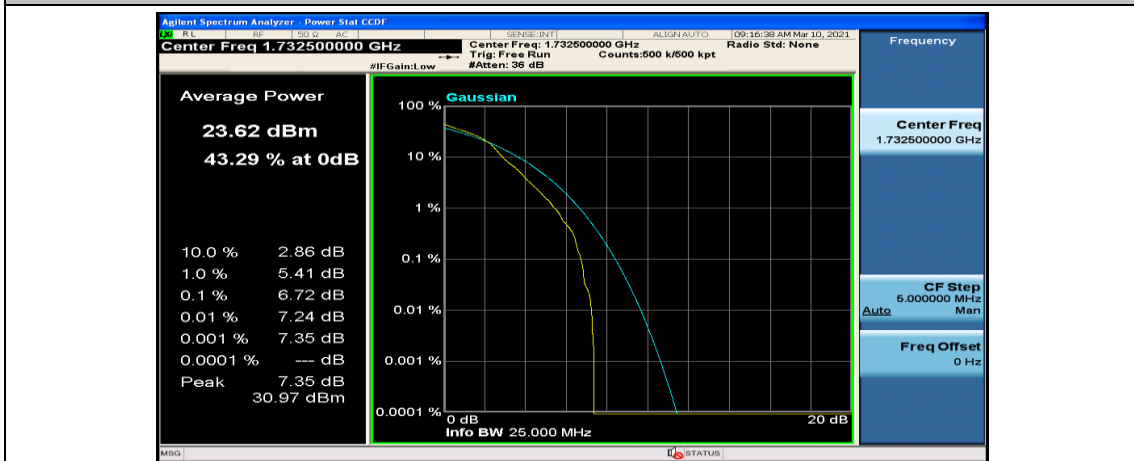
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0



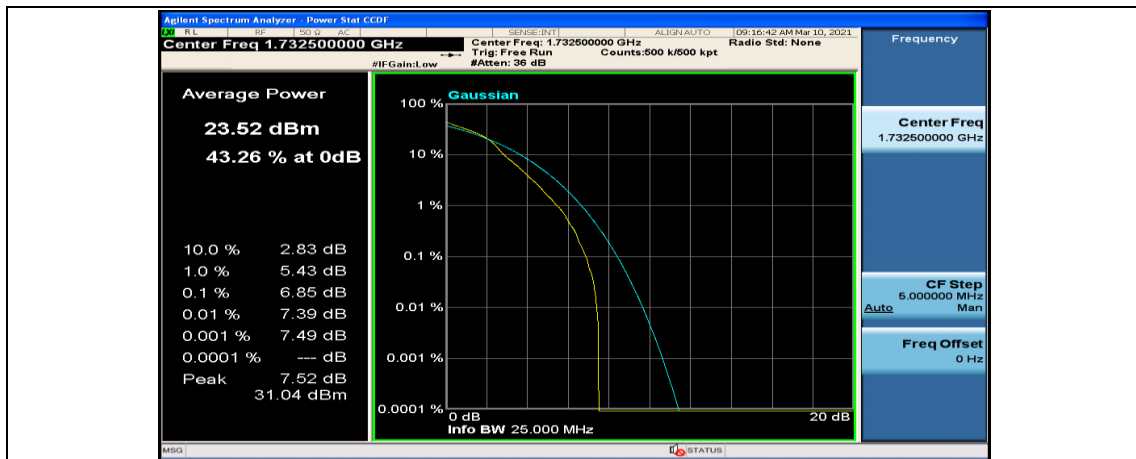
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0



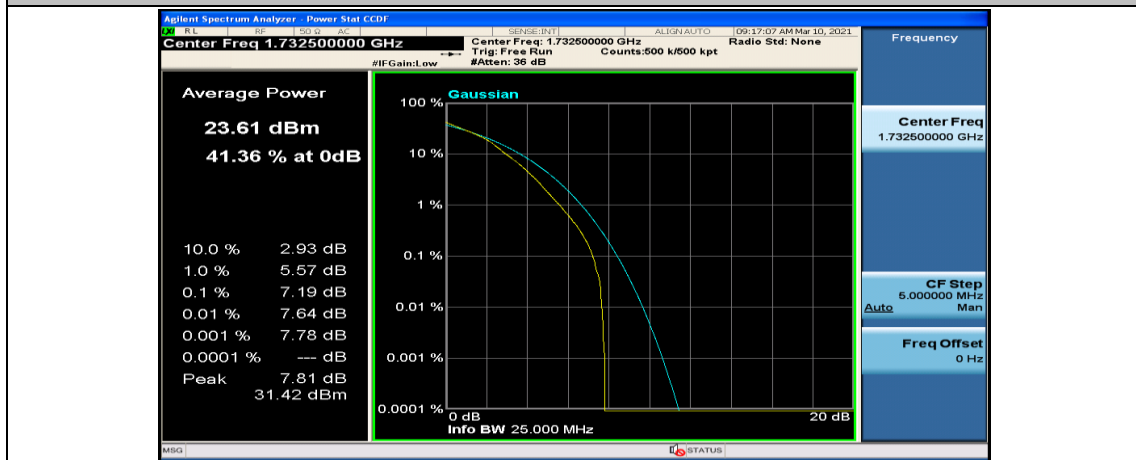
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3



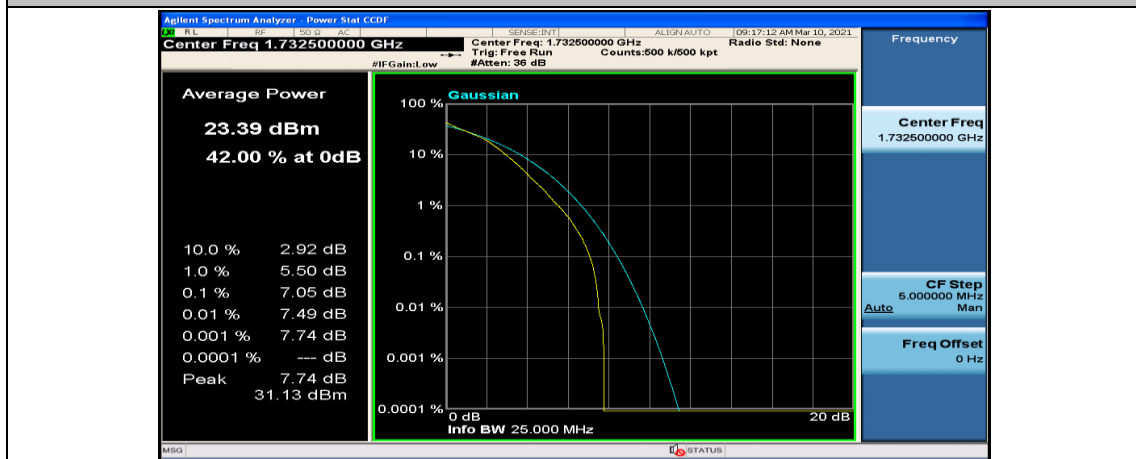
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5



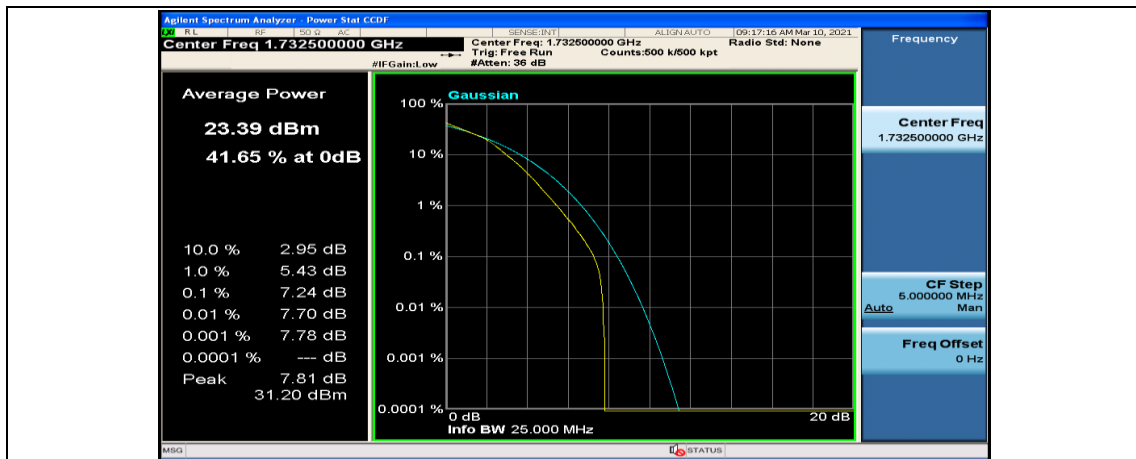
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#0



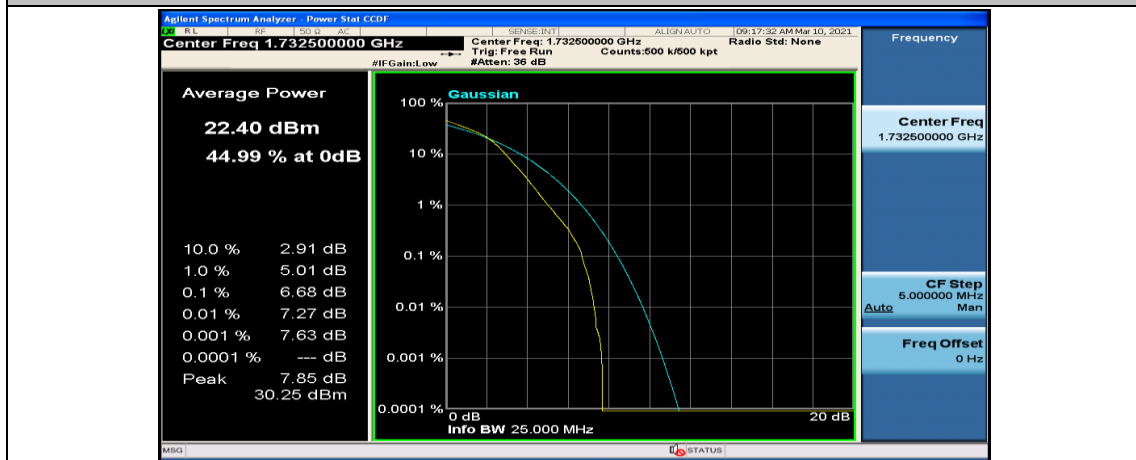
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#2



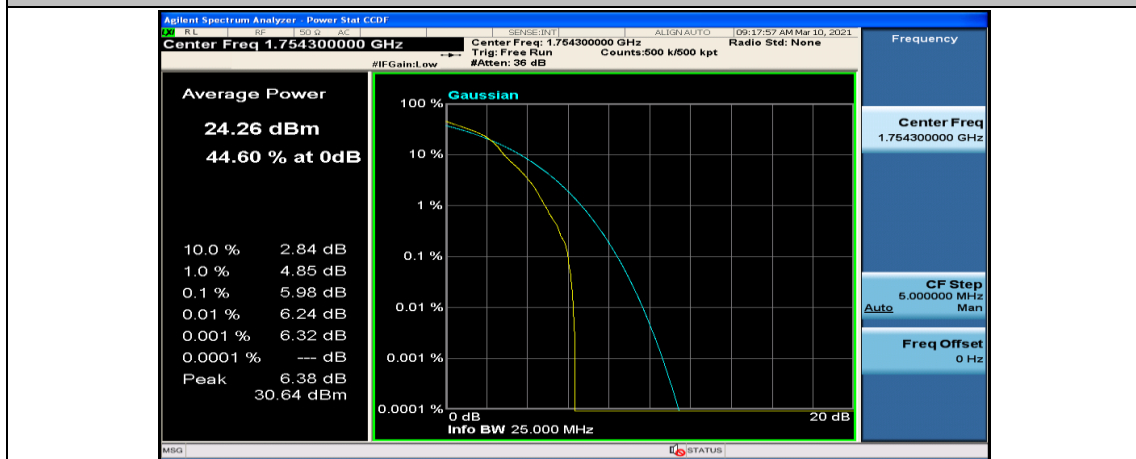
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#3



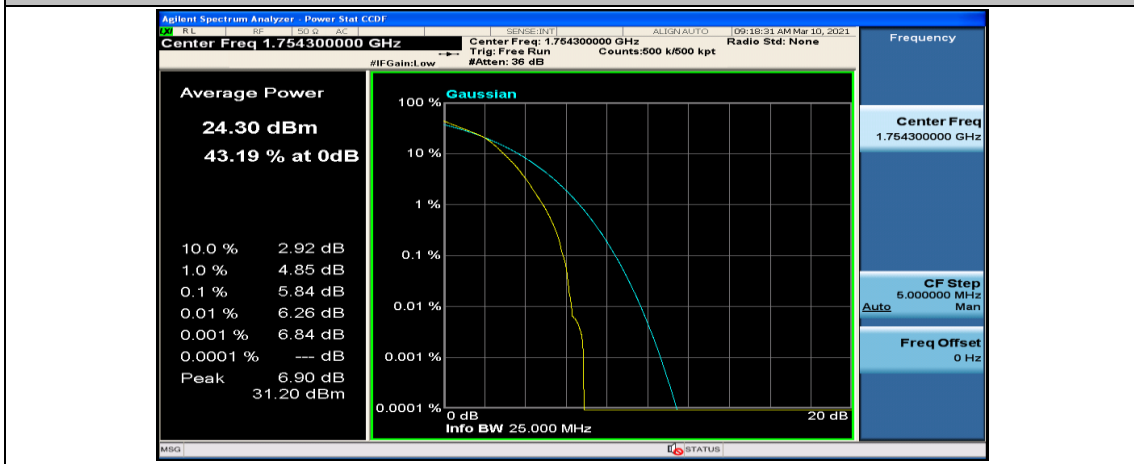
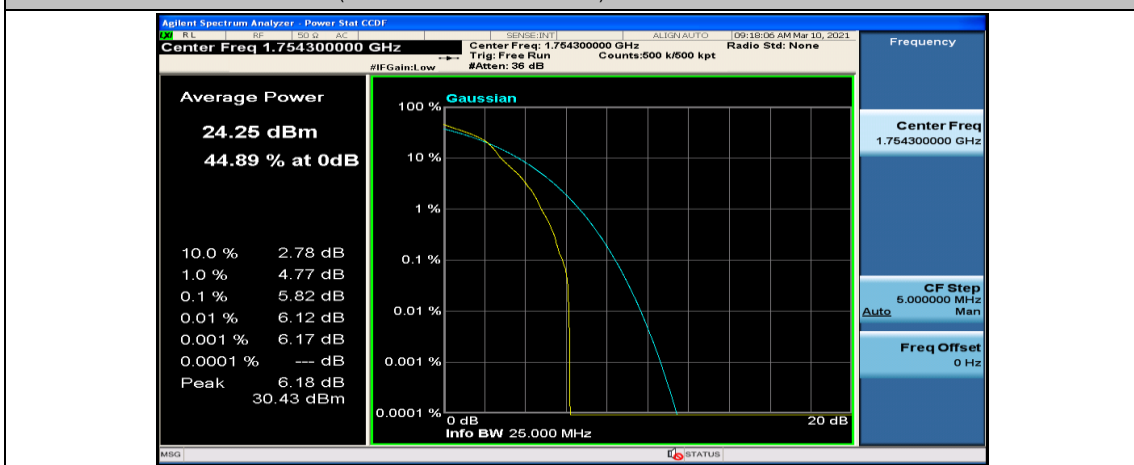
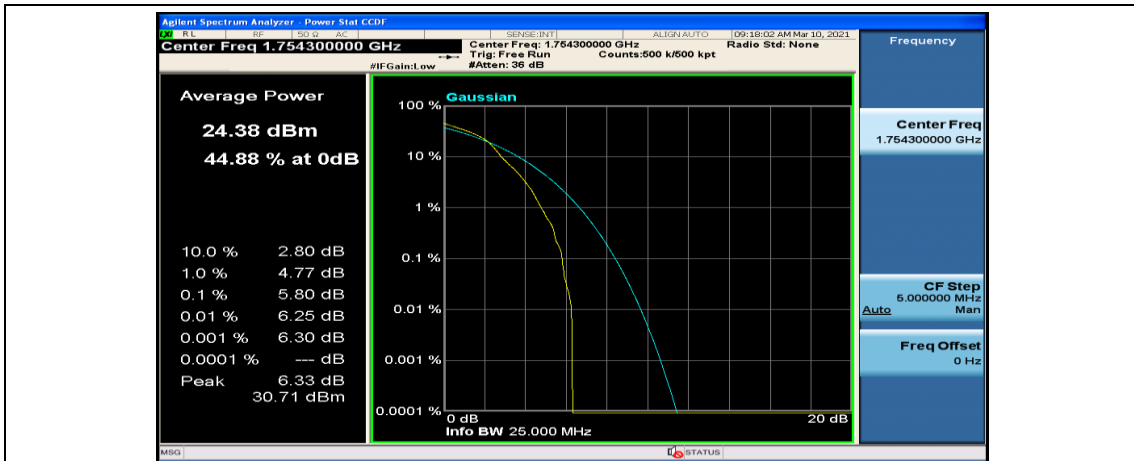
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0

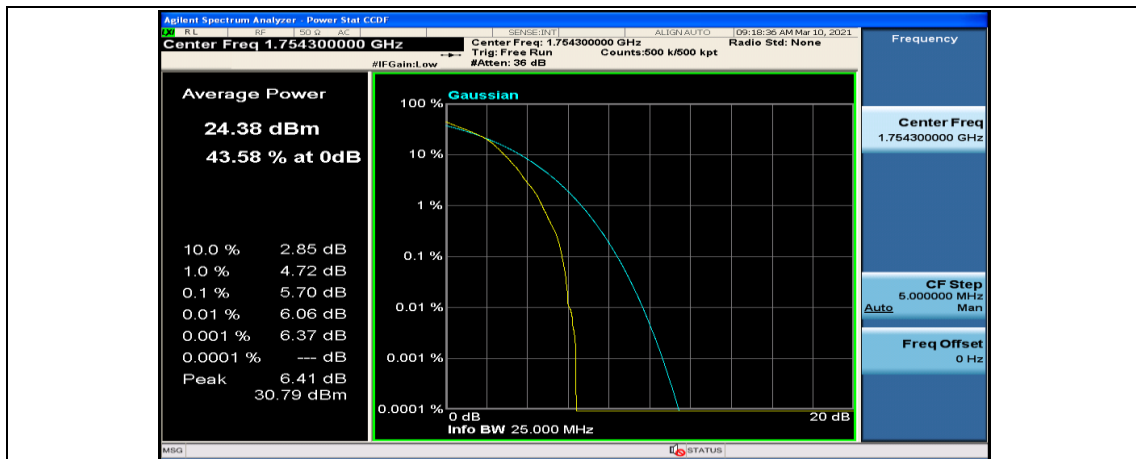


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0

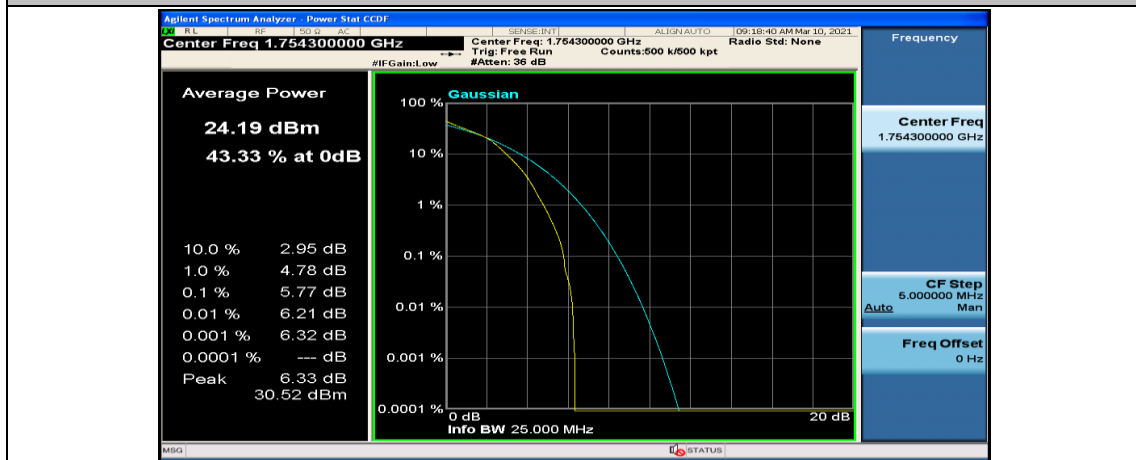


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3

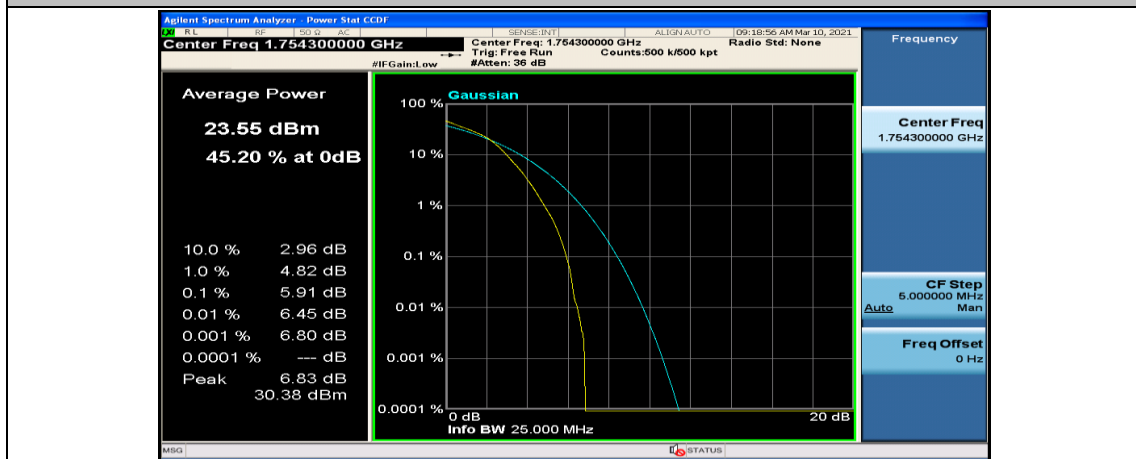




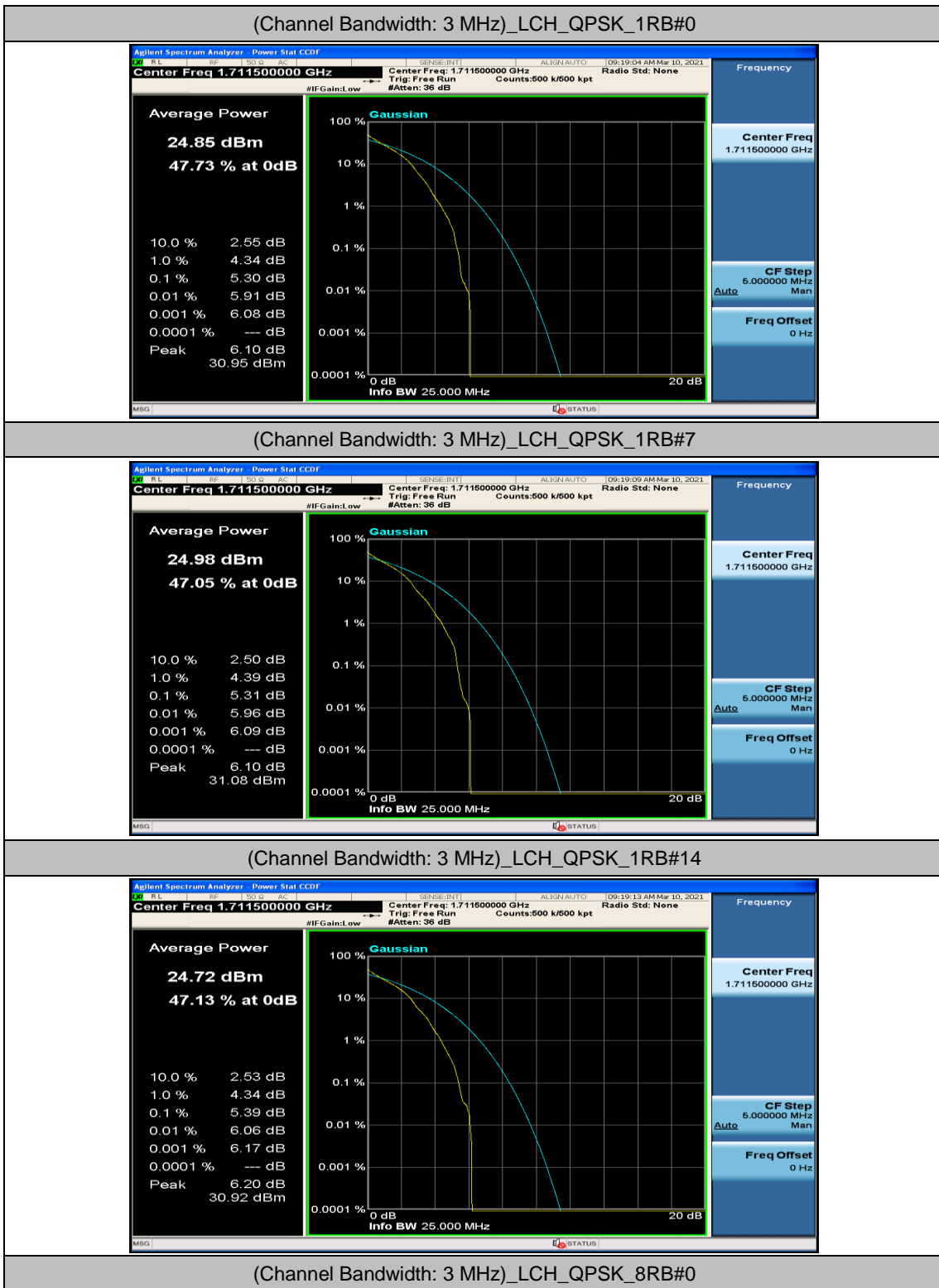
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#3

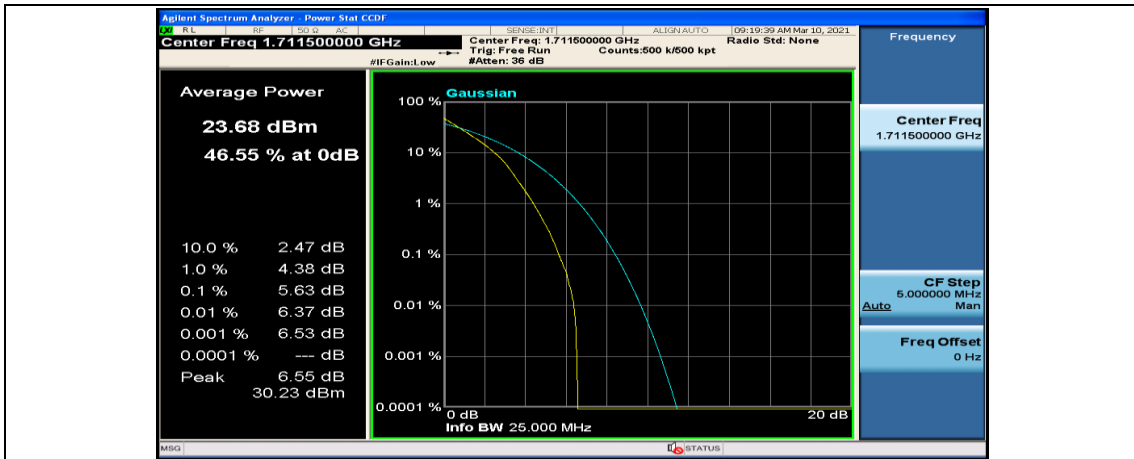


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0

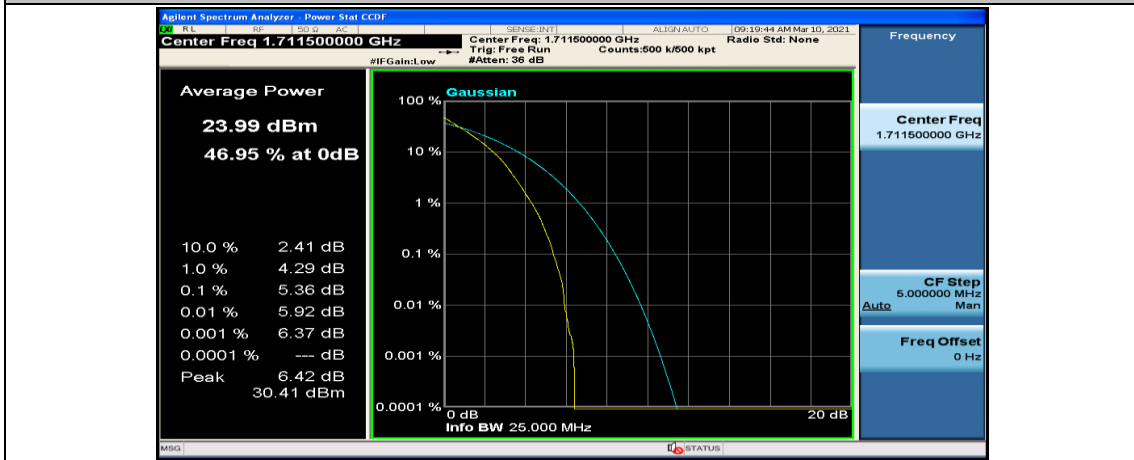


Channel Bandwidth: 3 MHz

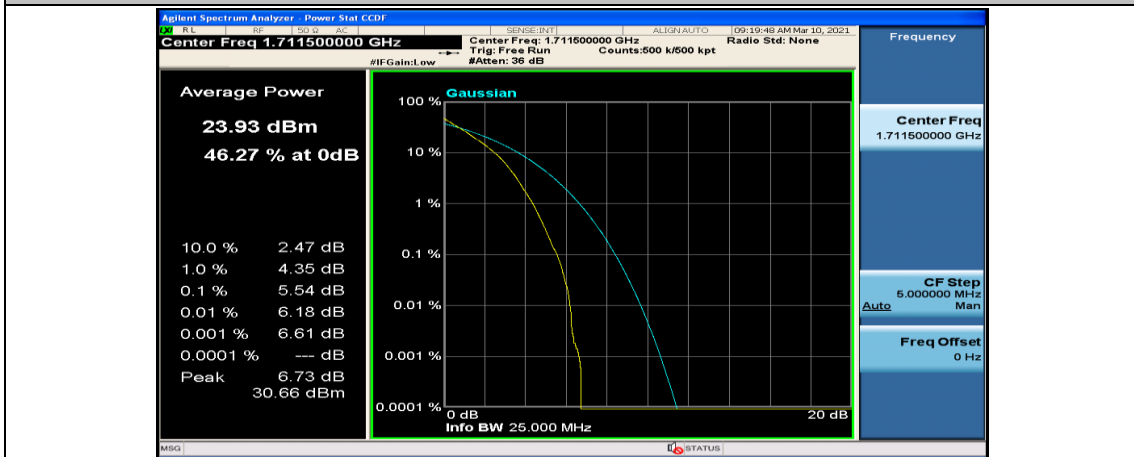




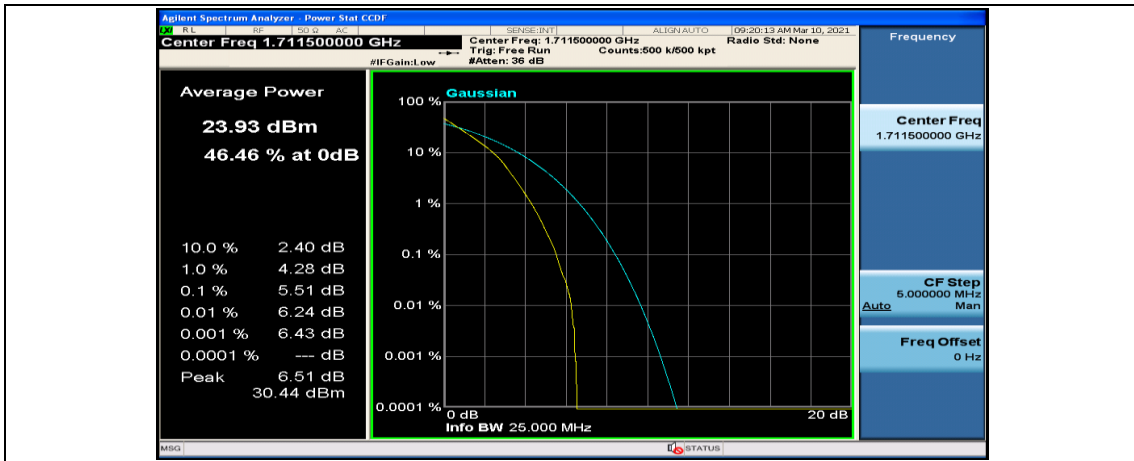
(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#4



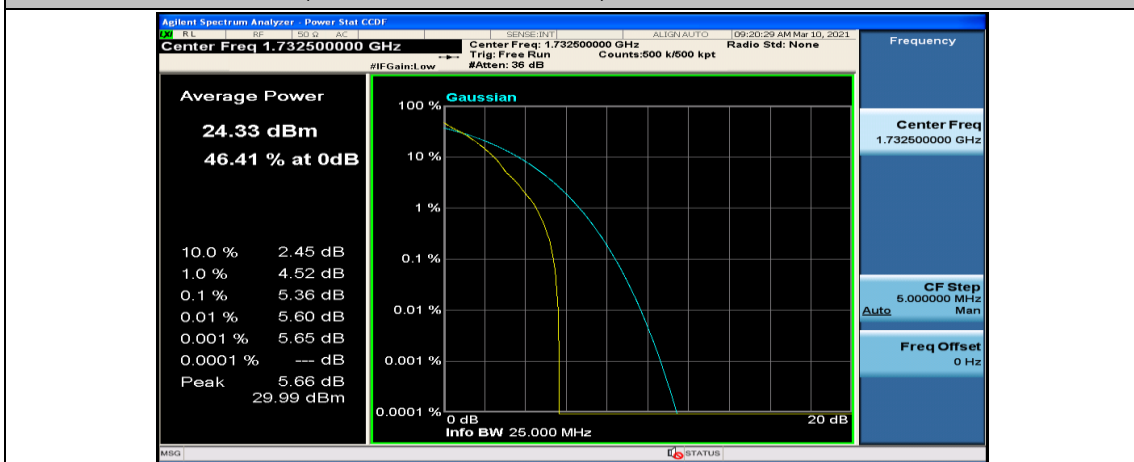
(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#7



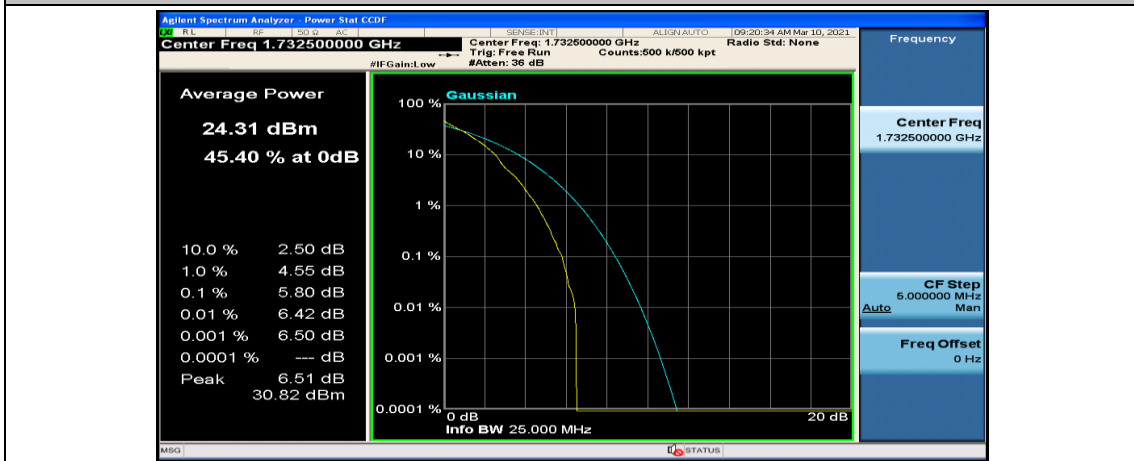
(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0



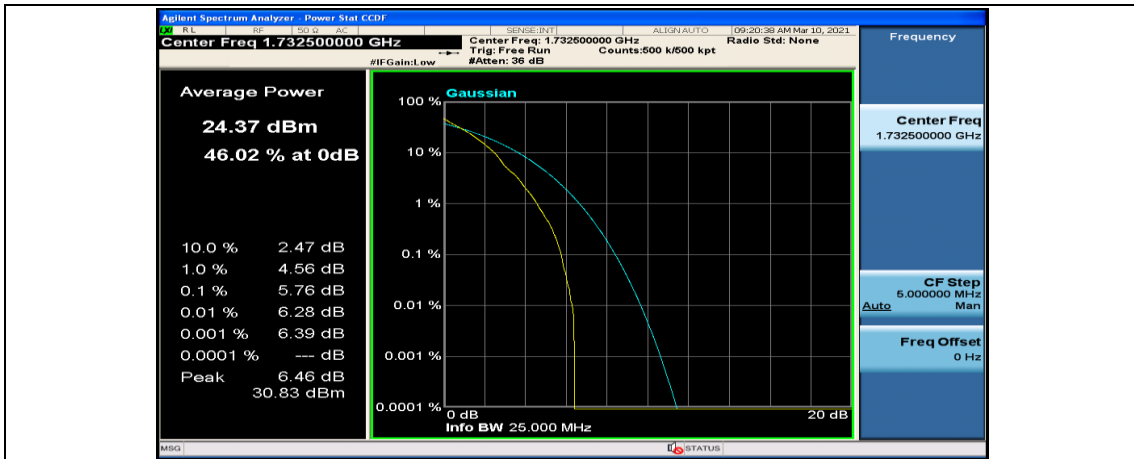
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0



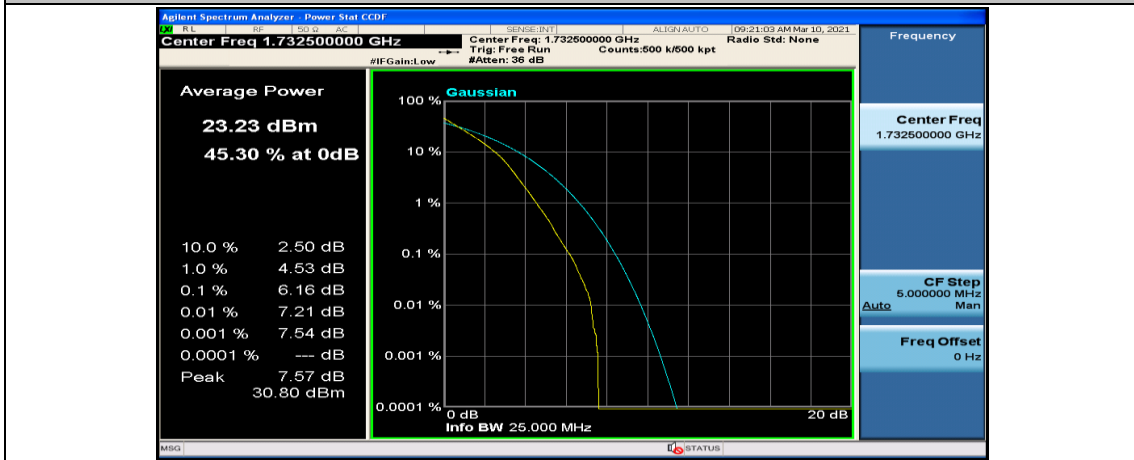
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#7



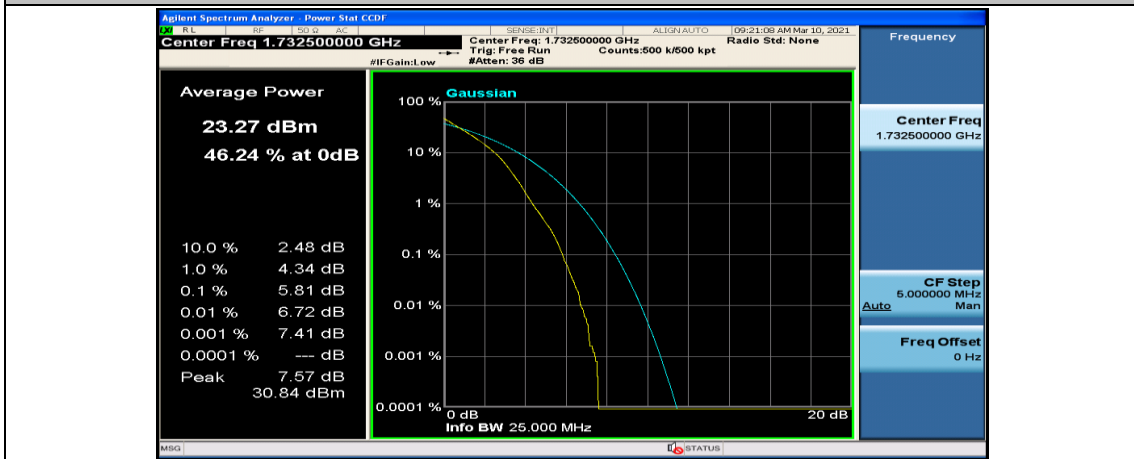
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14



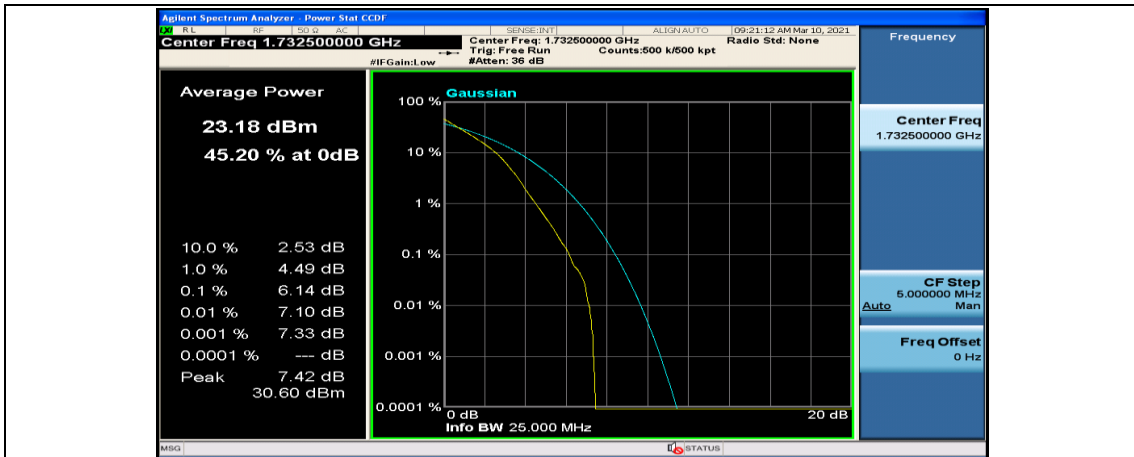
(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#0



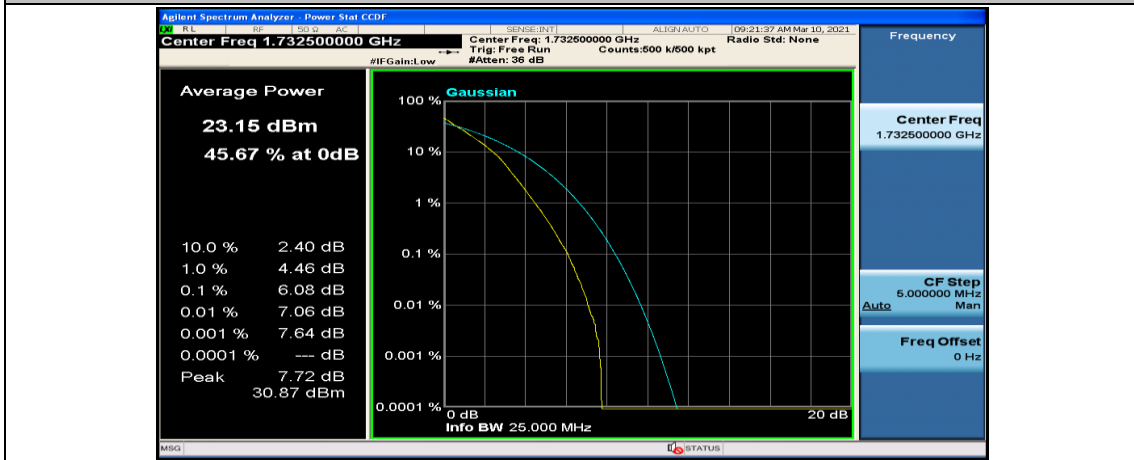
(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#4



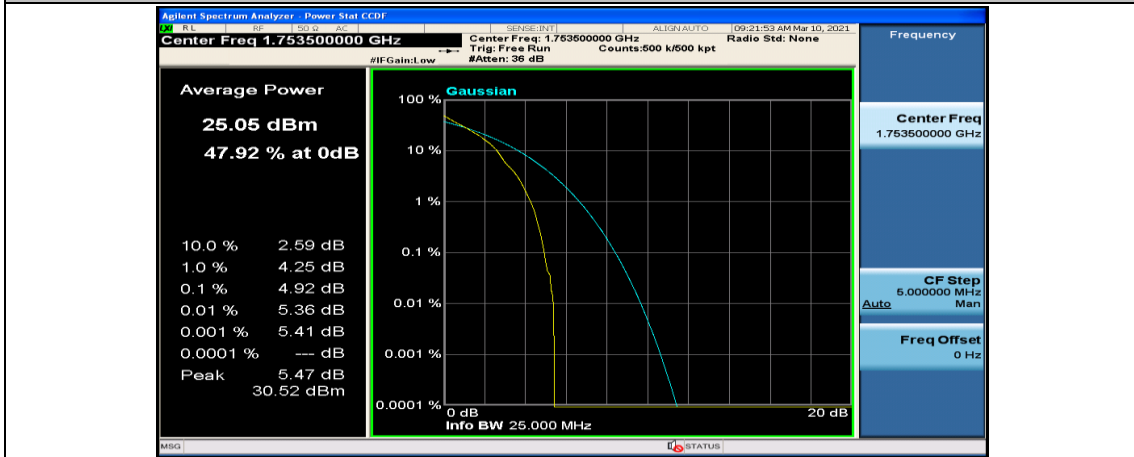
(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#7



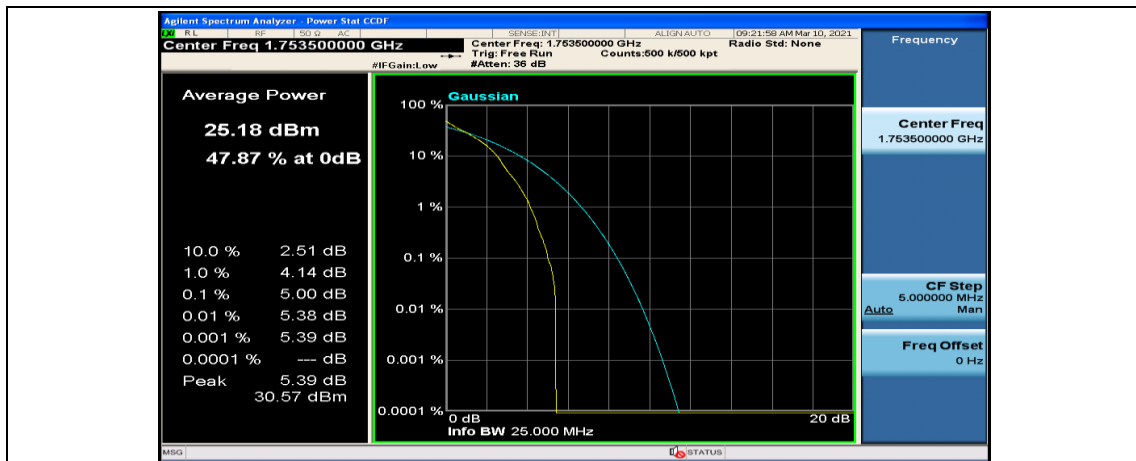
(Channel Bandwidth: 3 MHz)_MCH_QPSK_15RB#0



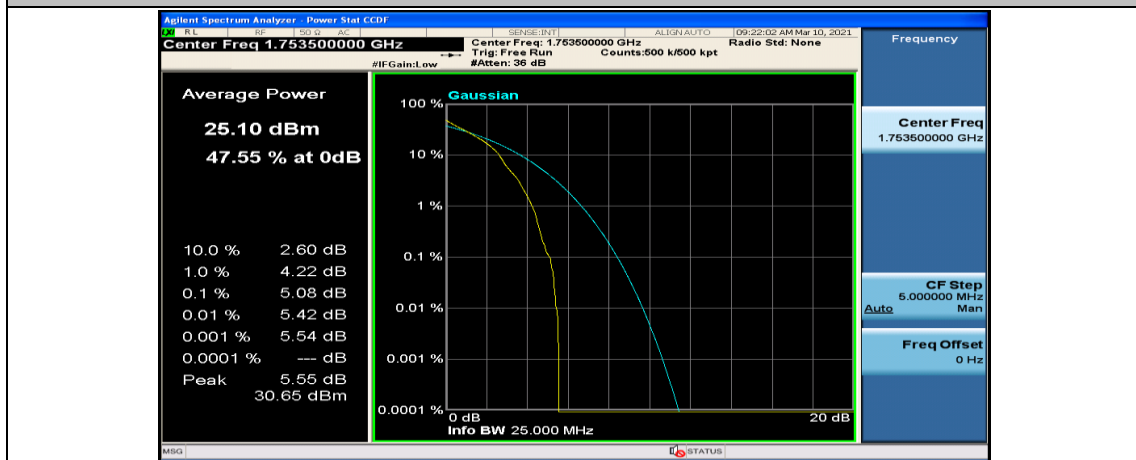
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0



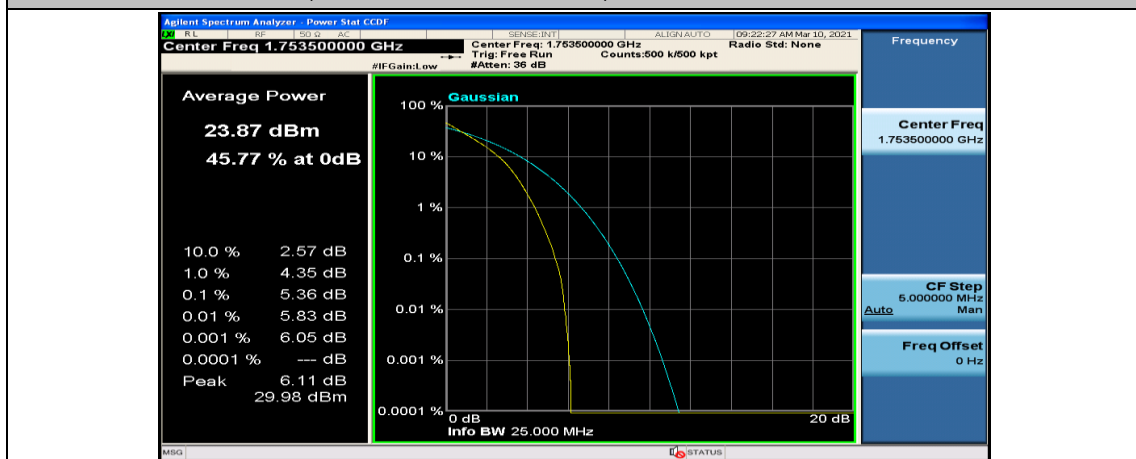
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7



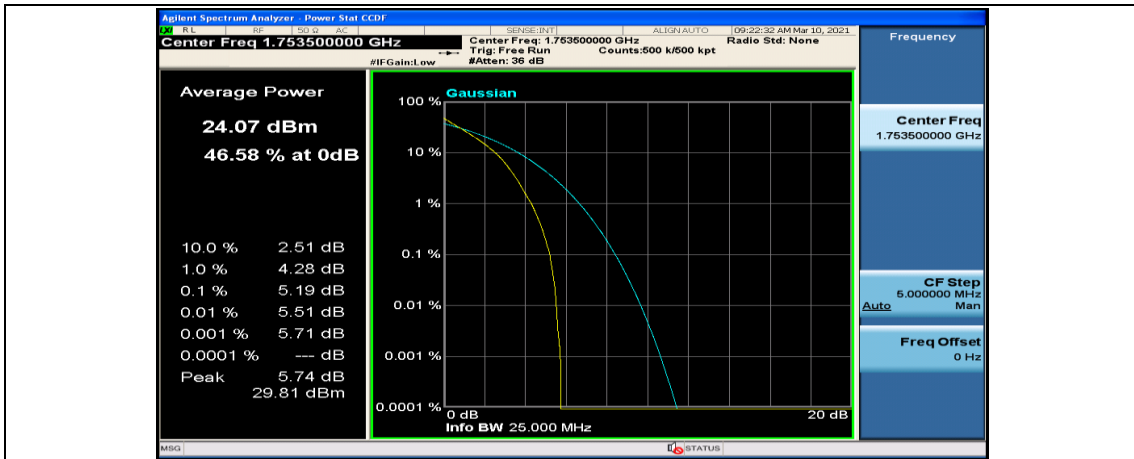
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14



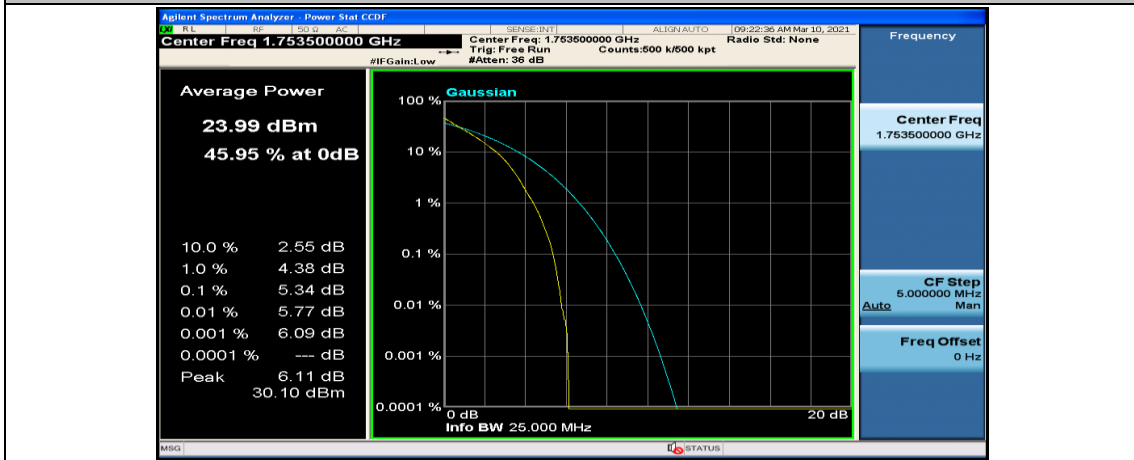
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#0



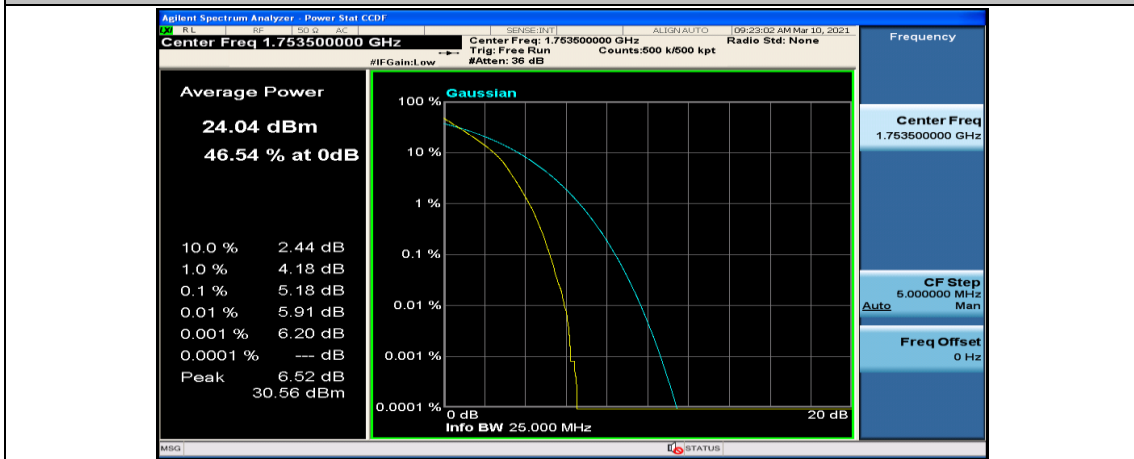
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#4

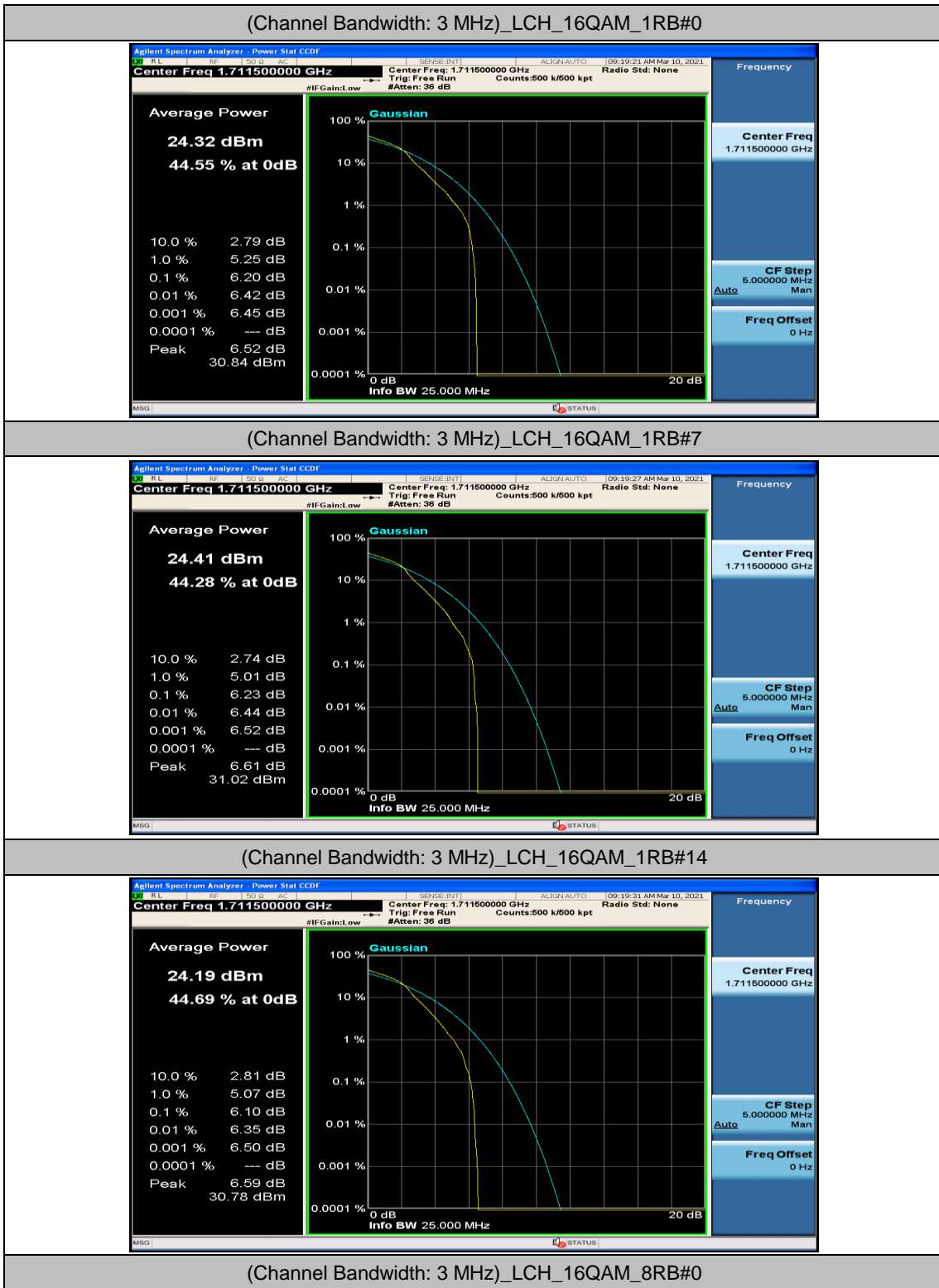


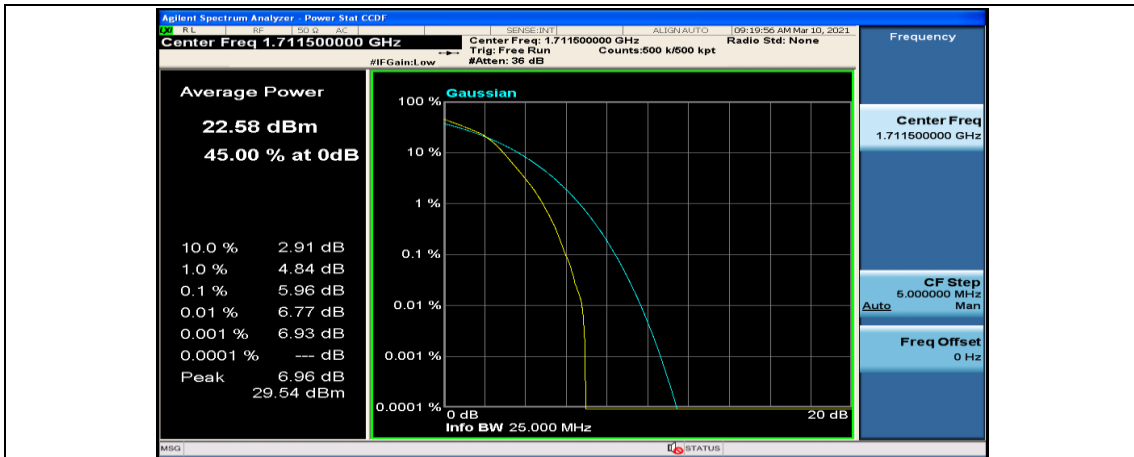
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#7



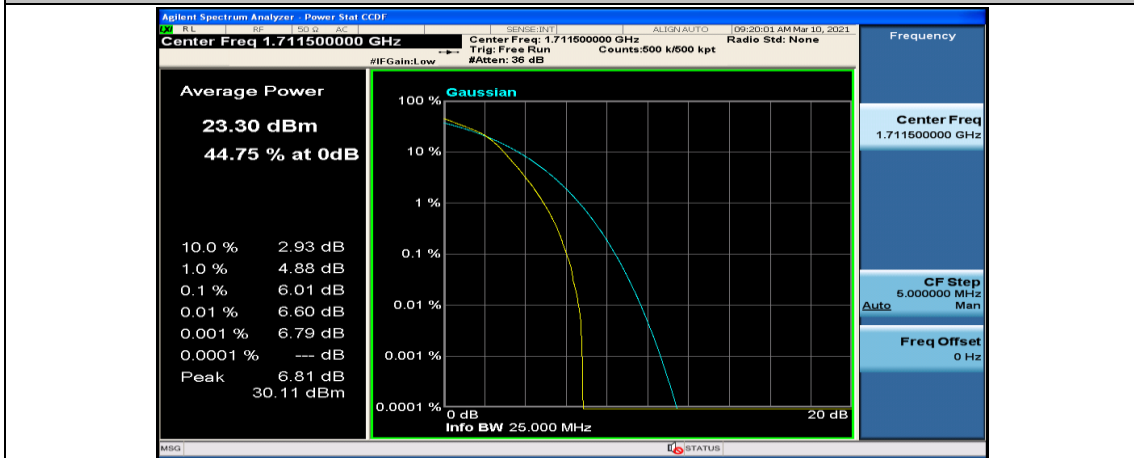
(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0



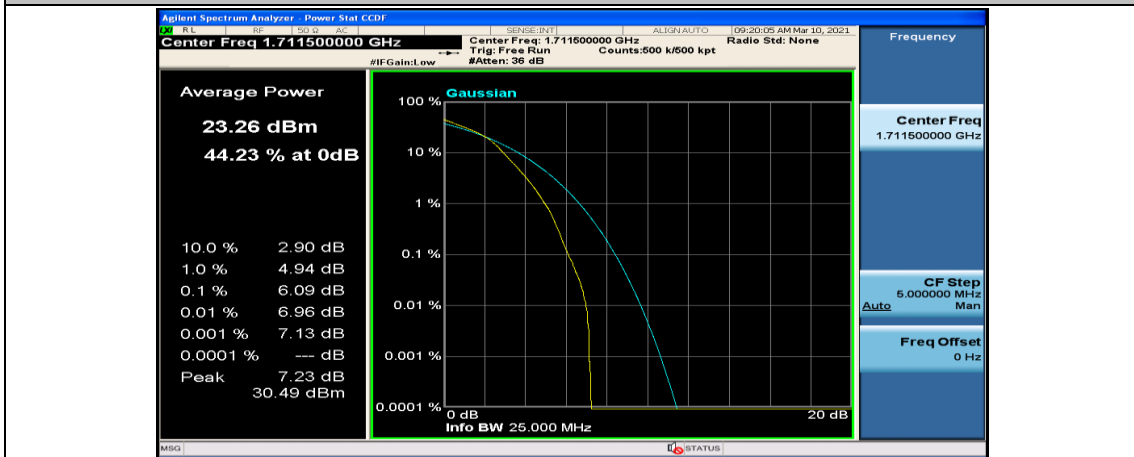




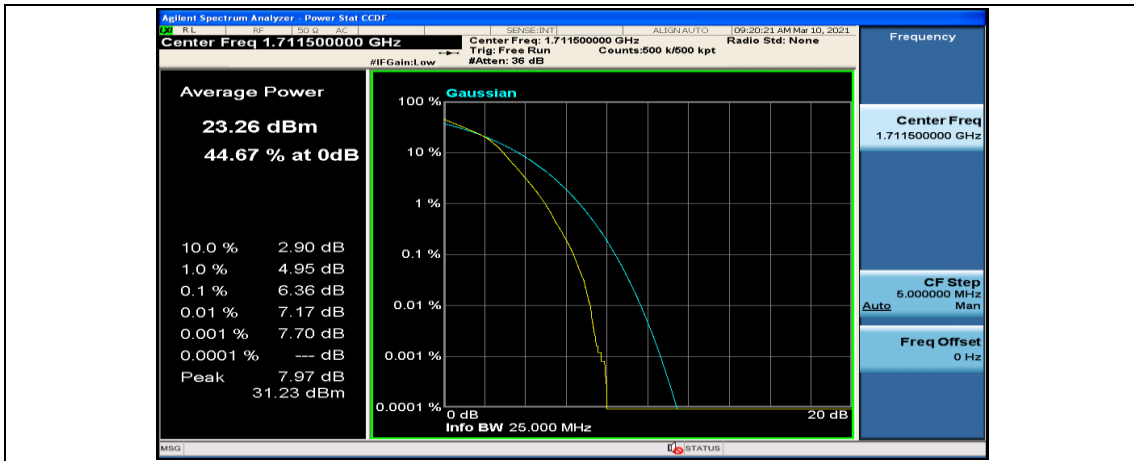
(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#4



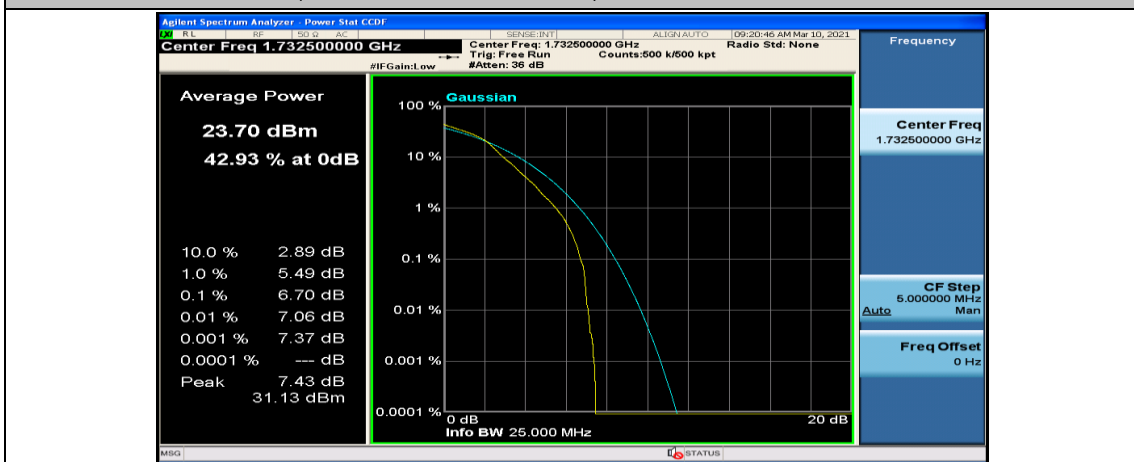
(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#7



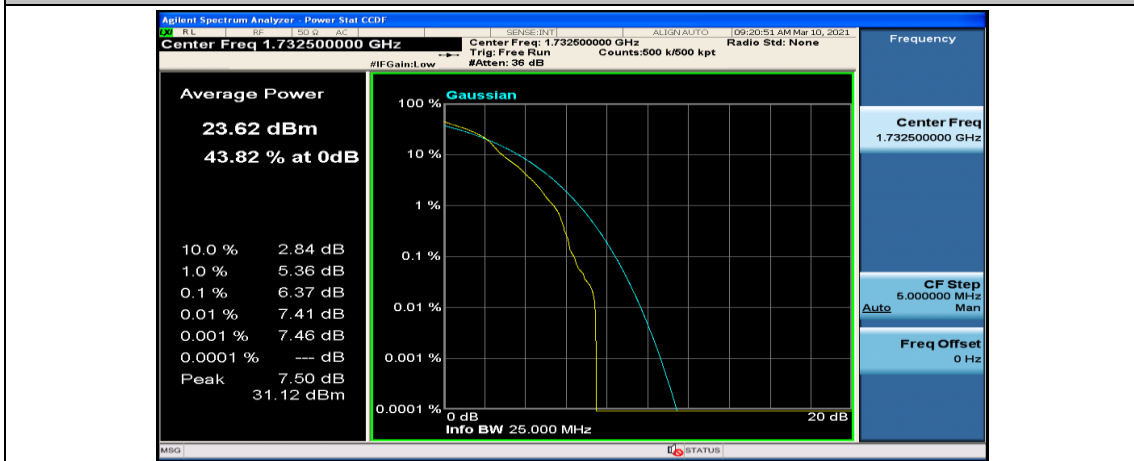
(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0



(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7



(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14