# Appendix G: Test Data for E-UTRA Band 4

## Product Name: Rugged Tablet
## Test Model: LT800

### Environmental Conditions

| | |
|---|---|
| Temperature: | 23.9 ° C |
| Relative Humidity: | 53.6% |
| ATM Pressure: | 100.0 kPa |
| Test Engineer: | Diamond Lu |
| Supervised by: | Wang Chuang |

## G.1 Conducted Output Power

**<SIM1>**

| Conducted Output Power Test Result (Channel Bandwidth: 1.4 MHz) | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Channel | RB Configuration | | Average Power [dBm] | Average Power [dBm] | Verdict |
| | | Size | Offset | QPSK | 16QAM | |
| QPSK / 16QAM | LCH | 1 | 0 | 23.31 | 22.52 | PASS |
| | | 1 | 3 | 23.35 | 22.50 | PASS |
| | | 1 | 5 | 23.37 | 22.52 | PASS |
| | | 3 | 0 | 23.44 | 22.54 | PASS |
| | | 3 | 2 | 23.44 | 22.58 | PASS |
| | | 3 | 3 | 23.36 | 22.56 | PASS |
| | | 6 | 0 | 23.36 | 22.47 | PASS |
| | MCH | 1 | 0 | 22.63 | 22.24 | PASS |
| | | 1 | 3 | 22.70 | 22.26 | PASS |
| | | 1 | 5 | 22.70 | 22.33 | PASS |
| | | 3 | 0 | 22.69 | 22.09 | PASS |
| | | 3 | 2 | 22.67 | 22.13 | PASS |
| | | 3 | 3 | 22.65 | 22.02 | PASS |
| | | 6 | 0 | 22.66 | 22.27 | PASS |
| | HCH | 1 | 0 | 22.97 | 22.96 | PASS |
| | | 1 | 3 | 22.89 | 22.04 | PASS |
| | | 1 | 5 | 22.92 | 22.08 | PASS |
| | | 3 | 0 | 23.20 | 21.55 | PASS |
| | | 3 | 2 | 23.26 | 21.61 | PASS |
| | | 3 | 3 | 23.19 | 21.64 | PASS |
| | | 6 | 0 | 22.99 | 21.98 | PASS |

| Conducted Output Power Test Result (Channel Bandwidth: 3 MHz) | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Channel | RB Configuration | | Average Power [dBm] | Average Power [dBm] | Verdict |
| | | Size | Offset | QPSK | 16QAM | |
| QPSK / 16QAM | LCH | 1 | 0 | 23.30 | 22.48 | PASS |
| | | 1 | 7 | 23.37 | 22.42 | PASS |
| | | 1 | 14 | 23.28 | 22.43 | PASS |
| | | 8 | 0 | 22.42 | 21.38 | PASS |
| | | 8 | 4 | 22.39 | 21.41 | PASS |
| | | 8 | 7 | 22.28 | 21.39 | PASS |
| | | 15 | 0 | 23.37 | 22.51 | PASS |
| | MCH | 1 | 0 | 22.54 | 22.68 | PASS |
| | | 1 | 7 | 22.58 | 22.68 | PASS |
| | | 1 | 14 | 22.62 | 22.68 | PASS |
| | | 8 | 0 | 22.61 | 21.54 | PASS |
| | | 8 | 4 | 22.72 | 21.68 | PASS |
| | | 8 | 7 | 22.60 | 21.60 | PASS |
| | | 15 | 0 | 22.51 | 22.60 | PASS |
| | HCH | 1 | 0 | 23.34 | 22.28 | PASS |
| | | 1 | 7 | 23.31 | 22.18 | PASS |
| | | 1 | 14 | 23.20 | 22.16 | PASS |
| | | 8 | 0 | 22.28 | 21.28 | PASS |
| | | 8 | 4 | 22.18 | 21.34 | PASS |
| | | 8 | 7 | 22.29 | 21.26 | PASS |
| | | 15 | 0 | 23.37 | 22.25 | PASS |

| Conducted Output Power Test Result (Channel Bandwidth: 5 MHz) | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Channel | RB Configuration | | Average Power [dBm] | Average Power [dBm] | Verdict |
| | | Size | Offset | QPSK | 16QAM | |
| QPSK / 16QAM | LCH | 1 | 0 | 23.29 | 22.35 | PASS |
| | | 1 | 12 | 23.27 | 22.37 | PASS |
| | | 1 | 24 | 23.13 | 22.15 | PASS |
| | | 12 | 0 | 22.32 | 21.69 | PASS |
| | | 12 | 6 | 22.35 | 21.71 | PASS |
| | | 12 | 13 | 22.28 | 21.62 | PASS |
| | | 25 | 0 | 23.25 | 22.36 | PASS |
| | MCH | 1 | 0 | 22.52 | 22.56 | PASS |
| | | 1 | 12 | 22.57 | 22.65 | PASS |
| | | 1 | 24 | 22.65 | 22.59 | PASS |
| | | 12 | 0 | 22.60 | 21.96 | PASS |
| | | 12 | 6 | 22.71 | 21.91 | PASS |
| | | 12 | 13 | 22.71 | 21.94 | PASS |
| | | 25 | 0 | 22.56 | 22.55 | PASS |
| | HCH | 1 | 0 | 23.30 | 21.73 | PASS |
| | | 1 | 12 | 23.31 | 21.79 | PASS |
| | | 1 | 24 | 23.15 | 21.51 | PASS |
| | | 12 | 0 | 22.27 | 21.57 | PASS |
| | | 12 | 6 | 22.34 | 21.47 | PASS |
| | | 12 | 13 | 22.15 | 21.38 | PASS |
| | | 25 | 0 | 23.34 | 21.73 | PASS |

| Conducted Output Power Test Result (Channel Bandwidth: 10 MHz) | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Channel | RB Configuration | | Average Power [dBm] | Average Power [dBm] | Verdict |
| | | Size | Offset | QPSK | 16QAM | |
| QPSK / 16QAM | LCH | 1 | 0 | 23.31 | 22.35 | PASS |
| | | 1 | 24 | 23.19 | 22.16 | PASS |
| | | 1 | 49 | 22.94 | 21.91 | PASS |
| | | 25 | 0 | 22.41 | 21.41 | PASS |
| | | 25 | 12 | 22.22 | 21.33 | PASS |
| | | 25 | 25 | 22.04 | 21.23 | PASS |
| | | 50 | 0 | 23.36 | 22.30 | PASS |
| | MCH | 1 | 0 | 22.45 | 22.47 | PASS |
| | | 1 | 24 | 22.59 | 22.68 | PASS |
| | | 1 | 49 | 22.80 | 22.81 | PASS |
| | | 25 | 0 | 22.49 | 21.71 | PASS |
| | | 25 | 12 | 22.68 | 21.72 | PASS |
| | | 25 | 25 | 22.87 | 21.92 | PASS |
| | | 50 | 0 | 22.42 | 22.47 | PASS |
| | HCH | 1 | 0 | 23.35 | 22.65 | PASS |
| | | 1 | 24 | 23.33 | 22.69 | PASS |
| | | 1 | 49 | 23.09 | 22.45 | PASS |
| | | 25 | 0 | 22.24 | 21.42 | PASS |
| | | 25 | 12 | 22.19 | 21.43 | PASS |
| | | 25 | 25 | 22.11 | 21.27 | PASS |
| | | 50 | 0 | 23.28 | 22.57 | PASS |

| Conducted Output Power Test Result (Channel Bandwidth: 15 MHz) | | | | | |
|---|---|---|---|---|---|
| Modulation | Channel | RB Configuration | | Average Power [dBm] | Average Power [dBm] | Verdict |
| | | Size | Offset | QPSK | 16QAM | |
| QPSK / 16QAM | LCH | 1 | 0 | 23.29 | 22.33 | PASS |
| | | 1 | 37 | 23.05 | 22.11 | PASS |
| | | 1 | 74 | 22.67 | 21.68 | PASS |
| | | 37 | 0 | 22.20 | 21.36 | PASS |
| | | 37 | 18 | 22.08 | 21.18 | PASS |
| | | 37 | 38 | 22.87 | 21.99 | PASS |
| | | 75 | 0 | 23.26 | 22.35 | PASS |
| | MCH | 1 | 0 | 22.42 | 22.51 | PASS |
| | | 1 | 37 | 22.60 | 22.65 | PASS |
| | | 1 | 74 | 22.97 | 22.03 | PASS |
| | | 37 | 0 | 22.54 | 21.66 | PASS |
| | | 37 | 18 | 22.64 | 21.77 | PASS |
| | | 37 | 38 | 22.85 | 21.92 | PASS |
| | | 75 | 0 | 22.48 | 22.56 | PASS |
| | HCH | 1 | 0 | 23.12 | 22.36 | PASS |
| | | 1 | 37 | 23.42 | 22.47 | PASS |
| | | 1 | 74 | 23.17 | 22.45 | PASS |
| | | 37 | 0 | 22.29 | 21.45 | PASS |
| | | 37 | 18 | 22.22 | 21.50 | PASS |
| | | 37 | 38 | 22.18 | 21.52 | PASS |
| | | 75 | 0 | 23.16 | 22.29 | PASS |

| Conducted Output Power Test Result (Channel Bandwidth: 20 MHz) | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Channel | RB Configuration | | Average Power [dBm] | Average Power [dBm] | Verdict |
| | | Size | Offset | QPSK | 16QAM | |
| QPSK / 16QAM | LCH | 1 | 0 | 23.42 | 22.50 | PASS |
| | | 1 | 49 | 23.10 | 22.12 | PASS |
| | | 1 | 99 | 22.82 | 21.82 | PASS |
| | | 50 | 0 | 22.14 | 21.32 | PASS |
| | | 50 | 25 | 22.26 | 21.45 | PASS |
| | | 50 | 50 | 22.34 | 21.51 | PASS |
| | | 100 | 0 | 23.44 | 22.49 | PASS |
| | MCH | 1 | 0 | 22.71 | 21.87 | PASS |
| | | 1 | 49 | 22.75 | 21.86 | PASS |
| | | 1 | 99 | 23.19 | 22.37 | PASS |
| | | 50 | 0 | 22.63 | 21.59 | PASS |
| | | 50 | 25 | 22.78 | 21.72 | PASS |
| | | 50 | 50 | 22.87 | 21.99 | PASS |
| | | 100 | 0 | 22.66 | 21.89 | PASS |
| | HCH | 1 | 0 | 23.02 | 22.02 | PASS |
| | | 1 | 49 | 23.41 | 22.48 | PASS |
| | | 1 | 99 | 23.31 | 22.34 | PASS |
| | | 50 | 0 | 22.19 | 21.04 | PASS |
| | | 50 | 25 | 22.29 | 21.29 | PASS |
| | | 50 | 50 | 22.19 | 21.36 | PASS |
| | | 100 | 0 | 22.93 | 21.97 | PASS |

**\<SIM2\>**

| Modulation | Channel | RB Configuration | | Average Power [dBm] | Average Power [dBm] | Verdict |
|---|---|---|---|---|---|---|
| | | Size | Offset | QPSK | 16QAM | |
| QPSK / 16QAM | LCH | 1 | 0 | 23.23 | 22.42 | PASS |
| | | 1 | 3 | 23.26 | 22.43 | PASS |
| | | 1 | 5 | 23.29 | 22.37 | PASS |
| | | 3 | 0 | 23.34 | 22.39 | PASS |
| | | 3 | 2 | 23.33 | 22.44 | PASS |
| | | 3 | 3 | 23.25 | 22.45 | PASS |
| | | 6 | 0 | 23.28 | 22.38 | PASS |
| | MCH | 1 | 0 | 22.49 | 22.15 | PASS |
| | | 1 | 3 | 22.54 | 22.19 | PASS |
| | | 1 | 5 | 22.59 | 22.18 | PASS |
| | | 3 | 0 | 22.62 | 22.01 | PASS |
| | | 3 | 2 | 22.56 | 21.97 | PASS |
| | | 3 | 3 | 22.51 | 21.95 | PASS |
| | | 6 | 0 | 22.53 | 22.14 | PASS |
| | HCH | 1 | 0 | 22.89 | 22.83 | PASS |
| | | 1 | 3 | 22.76 | 21.90 | PASS |
| | | 1 | 5 | 22.86 | 21.96 | PASS |
| | | 3 | 0 | 23.09 | 21.40 | PASS |
| | | 3 | 2 | 23.15 | 21.46 | PASS |
| | | 3 | 3 | 23.09 | 21.57 | PASS |
| | | 6 | 0 | 22.89 | 21.89 | PASS |

Table title: **Conducted Output Power Test Result (Channel Bandwidth: 1.4 MHz)**

| Conducted Output Power Test Result (Channel Bandwidth: 3 MHz) | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Channel | RB Configuration | | Average Power [dBm] | Average Power [dBm] | Verdict |
| | | Size | Offset | QPSK | 16QAM | |
| QPSK / 16QAM | LCH | 1 | 0 | 23.22 | 22.33 | PASS |
| | | 1 | 7 | 23.28 | 22.34 | PASS |
| | | 1 | 14 | 23.14 | 22.28 | PASS |
| | | 8 | 0 | 22.29 | 21.31 | PASS |
| | | 8 | 4 | 22.28 | 21.33 | PASS |
| | | 8 | 7 | 22.19 | 21.23 | PASS |
| | | 15 | 0 | 23.29 | 22.42 | PASS |
| | MCH | 1 | 0 | 22.47 | 22.54 | PASS |
| | | 1 | 7 | 22.44 | 22.53 | PASS |
| | | 1 | 14 | 22.56 | 22.58 | PASS |
| | | 8 | 0 | 22.52 | 21.42 | PASS |
| | | 8 | 4 | 22.62 | 21.52 | PASS |
| | | 8 | 7 | 22.51 | 21.44 | PASS |
| | | 15 | 0 | 22.44 | 22.53 | PASS |
| | HCH | 1 | 0 | 23.23 | 22.14 | PASS |
| | | 1 | 7 | 23.24 | 22.07 | PASS |
| | | 1 | 14 | 23.10 | 22.09 | PASS |
| | | 8 | 0 | 22.14 | 21.16 | PASS |
| | | 8 | 4 | 22.05 | 21.24 | PASS |
| | | 8 | 7 | 22.21 | 21.18 | PASS |
| | | 15 | 0 | 23.24 | 22.10 | PASS |

| Conducted Output Power Test Result (Channel Bandwidth: 5 MHz) | | | | | |
|---|---|---|---|---|---|
| Modulation | Channel | RB Configuration | | Average Power [dBm] | Average Power [dBm] | Verdict |
| | | Size | Offset | QPSK | 16QAM | |
| QPSK / 16QAM | LCH | 1 | 0 | 23.14 | 22.19 | PASS |
| | | 1 | 12 | 23.12 | 22.23 | PASS |
| | | 1 | 24 | 23.00 | 22.04 | PASS |
| | | 12 | 0 | 22.25 | 21.59 | PASS |
| | | 12 | 6 | 22.28 | 21.58 | PASS |
| | | 12 | 13 | 22.19 | 21.48 | PASS |
| | | 25 | 0 | 23.16 | 22.27 | PASS |
| | MCH | 1 | 0 | 22.43 | 22.48 | PASS |
| | | 1 | 12 | 22.50 | 22.56 | PASS |
| | | 1 | 24 | 22.50 | 22.50 | PASS |
| | | 12 | 0 | 22.51 | 21.89 | PASS |
| | | 12 | 6 | 22.62 | 21.82 | PASS |
| | | 12 | 13 | 22.57 | 21.85 | PASS |
| | | 25 | 0 | 22.42 | 22.42 | PASS |
| | HCH | 1 | 0 | 23.21 | 21.66 | PASS |
| | | 1 | 12 | 23.22 | 21.72 | PASS |
| | | 1 | 24 | 23.01 | 21.35 | PASS |
| | | 12 | 0 | 22.13 | 21.44 | PASS |
| | | 12 | 6 | 22.23 | 21.31 | PASS |
| | | 12 | 13 | 22.07 | 21.23 | PASS |
| | | 25 | 0 | 23.25 | 21.58 | PASS |

| Conducted Output Power Test Result (Channel Bandwidth: 10 MHz) | | | | | |
|---|---|---|---|---|---|
| Modulation | Channel | RB Configuration | | Average Power [dBm] | Average Power [dBm] | Verdict |
| | | Size | Offset | QPSK | 16QAM | |
| QPSK / 16QAM | LCH | 1 | 0 | 23.20 | 22.28 | PASS |
| | | 1 | 24 | 23.08 | 22.08 | PASS |
| | | 1 | 49 | 22.82 | 21.83 | PASS |
| | | 25 | 0 | 22.32 | 21.30 | PASS |
| | | 25 | 12 | 22.11 | 21.23 | PASS |
| | | 25 | 25 | 21.95 | 21.13 | PASS |
| | | 50 | 0 | 23.22 | 22.21 | PASS |
| | MCH | 1 | 0 | 22.34 | 22.39 | PASS |
| | | 1 | 24 | 22.52 | 22.57 | PASS |
| | | 1 | 49 | 22.67 | 22.67 | PASS |
| | | 25 | 0 | 22.40 | 21.59 | PASS |
| | | 25 | 12 | 22.53 | 21.63 | PASS |
| | | 25 | 25 | 22.71 | 21.80 | PASS |
| | | 50 | 0 | 22.33 | 22.33 | PASS |
| | HCH | 1 | 0 | 23.25 | 22.56 | PASS |
| | | 1 | 24 | 23.25 | 22.55 | PASS |
| | | 1 | 49 | 22.93 | 22.36 | PASS |
| | | 25 | 0 | 22.12 | 21.32 | PASS |
| | | 25 | 12 | 22.03 | 21.36 | PASS |
| | | 25 | 25 | 22.00 | 21.20 | PASS |
| | | 50 | 0 | 23.20 | 22.45 | PASS |

| Conducted Output Power Test Result (Channel Bandwidth: 15 MHz) | | | | | |
|---|---|---|---|---|---|
| Modulation | Channel | RB Configuration | | Average Power [dBm] | Average Power [dBm] | Verdict |
| | | Size | Offset | QPSK | 16QAM | |
| QPSK / 16QAM | LCH | 1 | 0 | 23.14 | 22.26 | PASS |
| | | 1 | 37 | 22.90 | 22.01 | PASS |
| | | 1 | 74 | 22.57 | 21.61 | PASS |
| | | 37 | 0 | 22.08 | 21.24 | PASS |
| | | 37 | 18 | 22.01 | 21.10 | PASS |
| | | 37 | 38 | 22.73 | 21.87 | PASS |
| | | 75 | 0 | 23.14 | 22.25 | PASS |
| | MCH | 1 | 0 | 22.35 | 22.38 | PASS |
| | | 1 | 37 | 22.49 | 22.54 | PASS |
| | | 1 | 74 | 22.89 | 21.94 | PASS |
| | | 37 | 0 | 22.41 | 21.55 | PASS |
| | | 37 | 18 | 22.48 | 21.67 | PASS |
| | | 37 | 38 | 22.69 | 21.81 | PASS |
| | | 75 | 0 | 22.38 | 22.46 | PASS |
| | HCH | 1 | 0 | 23.01 | 22.26 | PASS |
| | | 1 | 37 | 23.30 | 22.37 | PASS |
| | | 1 | 74 | 23.09 | 22.31 | PASS |
| | | 37 | 0 | 22.17 | 21.33 | PASS |
| | | 37 | 18 | 22.07 | 21.35 | PASS |
| | | 37 | 38 | 22.07 | 21.42 | PASS |
| | | 75 | 0 | 23.05 | 22.22 | PASS |

| Conducted Output Power Test Result (Channel Bandwidth: 20 MHz) | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Channel | RB Configuration | | Average Power [dBm] | Average Power [dBm] | Verdict |
| | | Size | Offset | QPSK | 16QAM | |
| QPSK / 16QAM | LCH | 1 | 0 | 23.28 | 22.39 | PASS |
| | | 1 | 49 | 22.99 | 22.01 | PASS |
| | | 1 | 99 | 22.71 | 21.68 | PASS |
| | | 50 | 0 | 21.98 | 21.25 | PASS |
| | | 50 | 25 | 22.11 | 21.33 | PASS |
| | | 50 | 50 | 22.24 | 21.42 | PASS |
| | | 100 | 0 | 23.33 | 22.38 | PASS |
| | MCH | 1 | 0 | 22.55 | 21.77 | PASS |
| | | 1 | 49 | 22.64 | 21.78 | PASS |
| | | 1 | 99 | 23.07 | 22.22 | PASS |
| | | 50 | 0 | 22.57 | 21.45 | PASS |
| | | 50 | 25 | 22.71 | 21.61 | PASS |
| | | 50 | 50 | 22.75 | 21.93 | PASS |
| | | 100 | 0 | 22.53 | 21.83 | PASS |
| | HCH | 1 | 0 | 22.87 | 21.93 | PASS |
| | | 1 | 49 | 23.25 | 22.33 | PASS |
| | | 1 | 99 | 23.22 | 22.21 | PASS |
| | | 50 | 0 | 22.04 | 20.95 | PASS |
| | | 50 | 25 | 22.20 | 21.21 | PASS |
| | | 50 | 50 | 22.11 | 21.24 | PASS |
| | | 100 | 0 | 22.84 | 21.90 | PASS |

## G.2 Peak-to-Average Ratio

| Peak-to Average Ratio Test Result (Channel Bandwidth: 1.4 MHz) | | | | |
|---|---|---|---|---|
| Modulation | Channel | Peak-to-Average Ratio [dB] | Limit [dB] | Verdict |
| QPSK | LCH | 5.8 | <13 | PASS |
| | MCH | 5.43 | <13 | PASS |
| | HCH | 5.57 | <13 | PASS |
| 16QAM | LCH | 6.62 | <13 | PASS |
| | MCH | 6.36 | <13 | PASS |
| | HCH | 6.6 | <13 | PASS |

| Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz) | | | | |
|---|---|---|---|---|
| Modulation | Channel | Peak-to-Average Ratio [dB] | Limit [dB] | Verdict |
| QPSK | LCH | 5.79 | <13 | PASS |
| | MCH | 5.56 | <13 | PASS |
| | HCH | 5.85 | <13 | PASS |
| 16QAM | LCH | 6.69 | <13 | PASS |
| | MCH | 6.4 | <13 | PASS |
| | HCH | 6.55 | <13 | PASS |

| Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz) | | | | |
|---|---|---|---|---|
| Modulation | Channel | Peak-to-Average Ratio [dB] | Limit [dB] | Verdict |
| QPSK | LCH | 5.7 | <13 | PASS |
| | MCH | 5.5 | <13 | PASS |
| | HCH | 5.68 | <13 | PASS |
| 16QAM | LCH | 6.55 | <13 | PASS |
| | MCH | 6.29 | <13 | PASS |
| | HCH | 6.47 | <13 | PASS |

| Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz) | | | | |
|---|---|---|---|---|
| Modulation | Channel | Peak-to-Average Ratio [dB] | Limit [dB] | Verdict |
| QPSK | LCH | 5.7 | <13 | PASS |
| | MCH | 5.55 | <13 | PASS |
| | HCH | 5.75 | <13 | PASS |
| 16QAM | LCH | 6.39 | <13 | PASS |
| | MCH | 6.29 | <13 | PASS |
| | HCH | 6.46 | <13 | PASS |

| Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz) | | | | |
|---|---|---|---|---|
| Modulation | Channel | Peak-to-Average Ratio [dB] | Limit [dB] | Verdict |
| QPSK | LCH | 4.92 | <13 | PASS |
| | MCH | 4.87 | <13 | PASS |
| | HCH | 4.97 | <13 | PASS |
| 16QAM | LCH | 6.33 | <13 | PASS |
| | MCH | 6.22 | <13 | PASS |
| | HCH | 6.26 | <13 | PASS |

| Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz) | | | | |
|---|---|---|---|---|
| Modulation | Channel | Peak-to-Average Ratio [dB] | Limit [dB] | Verdict |
| QPSK | LCH | 5.67 | <13 | PASS |
| | MCH | 5.57 | <13 | PASS |
| | HCH | 5.75 | <13 | PASS |
| 16QAM | LCH | 6.74 | <13 | PASS |
| | MCH | 6.75 | <13 | PASS |
| | HCH | 6.67 | <13 | PASS |

### Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK
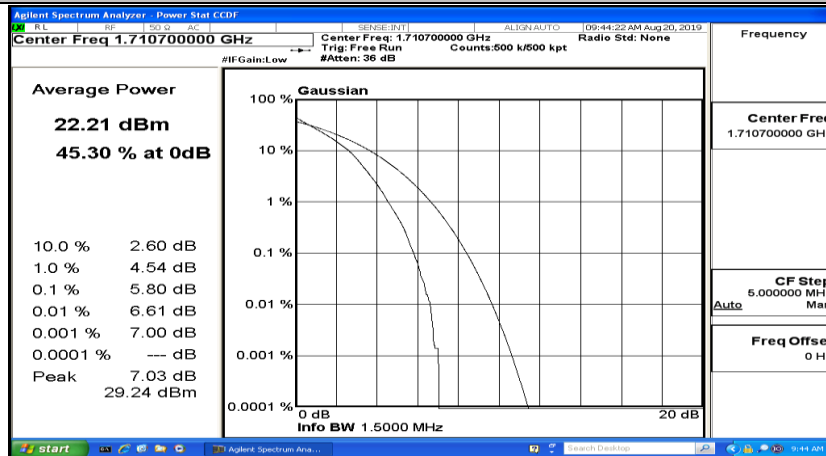


### Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK
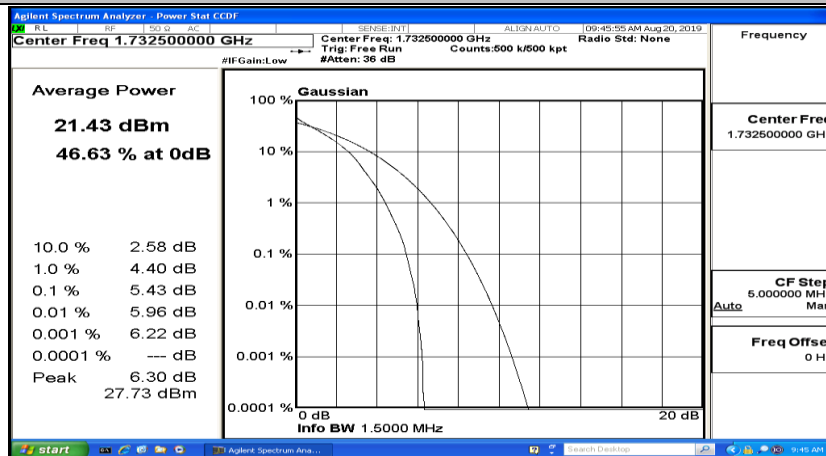


### Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



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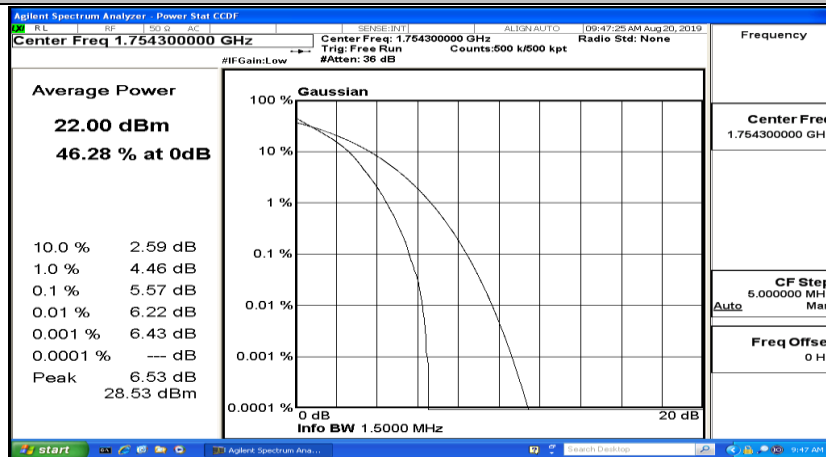
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM
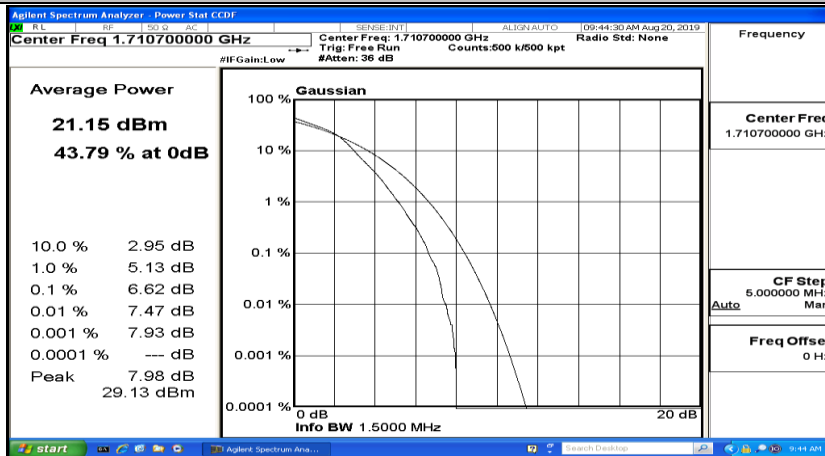


Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM
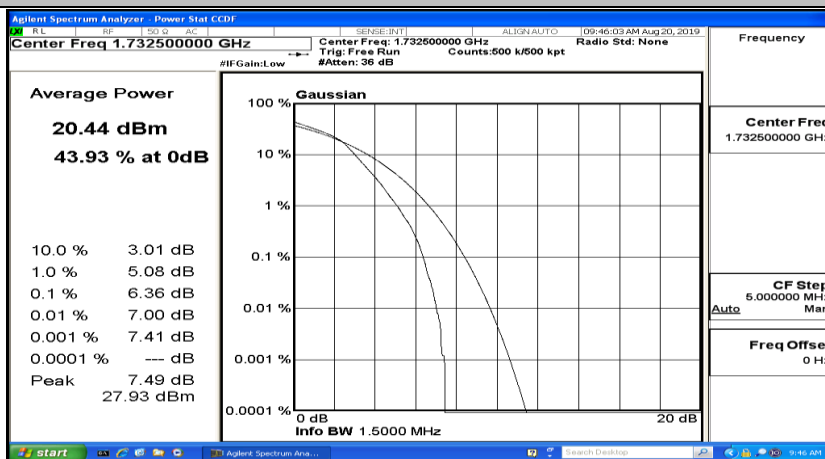


Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM
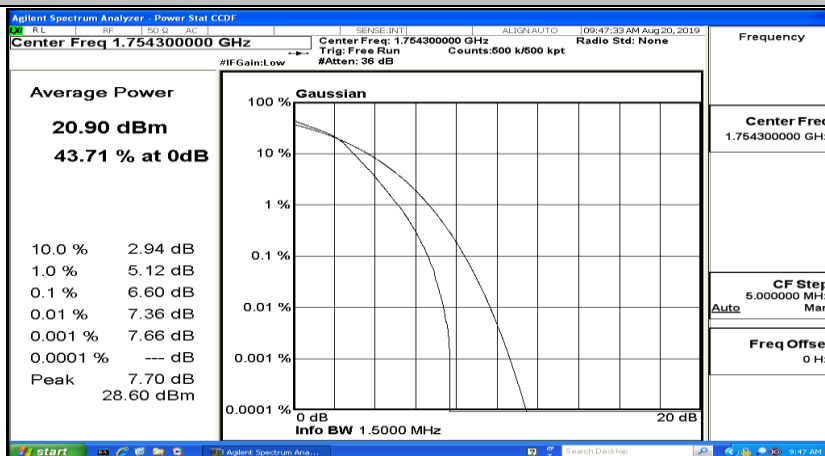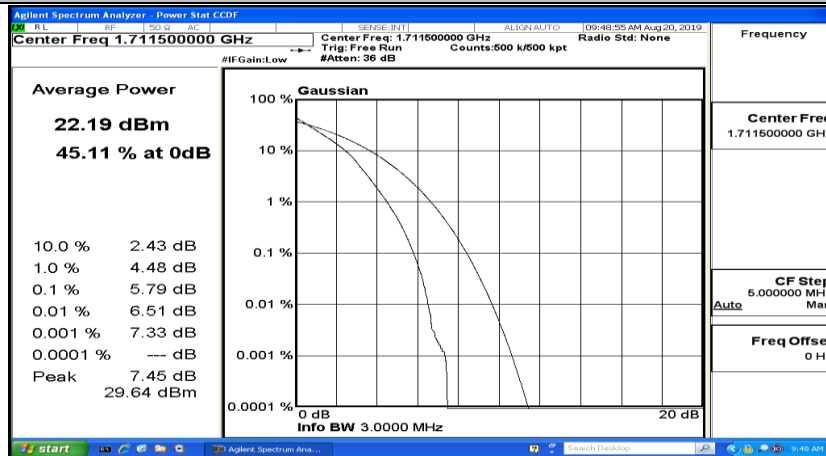
| Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK |
|---|



| Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK |
|---|



| Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK |
|---|

| Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM |
|---|



| Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM |
|---|



| Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM |
|---|
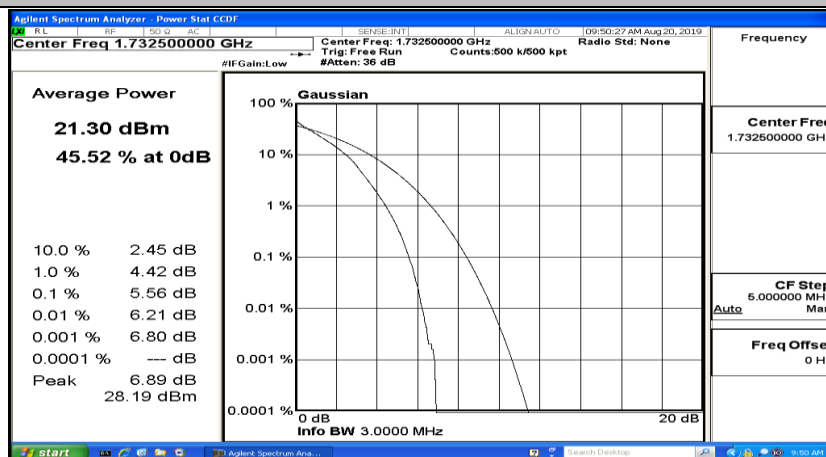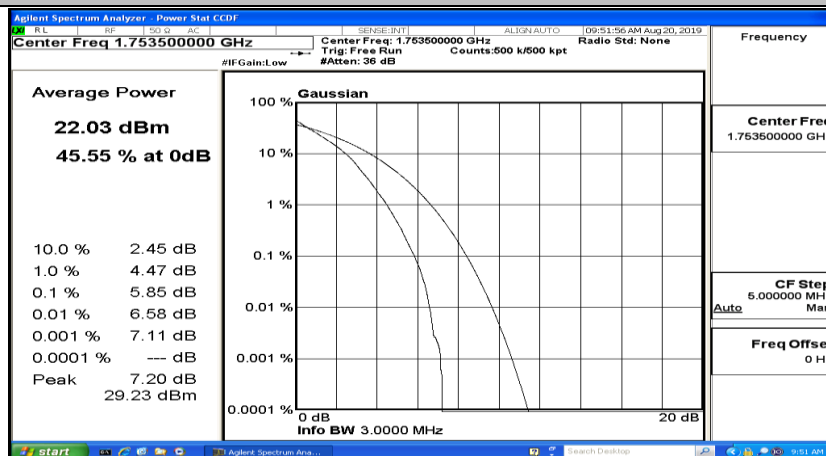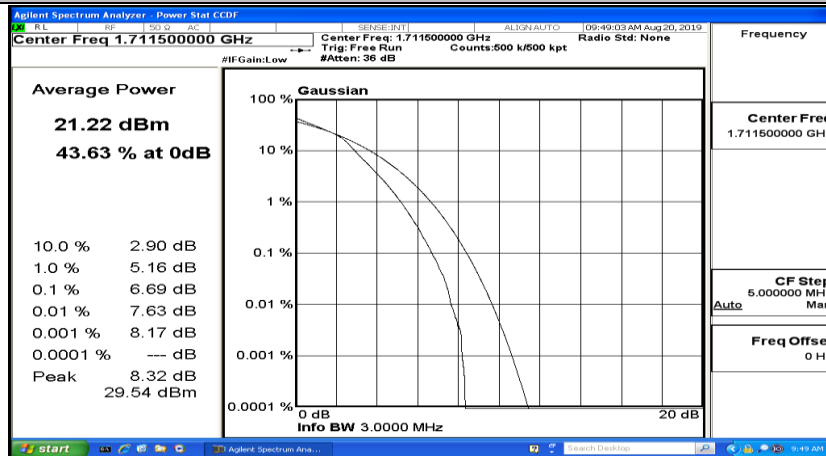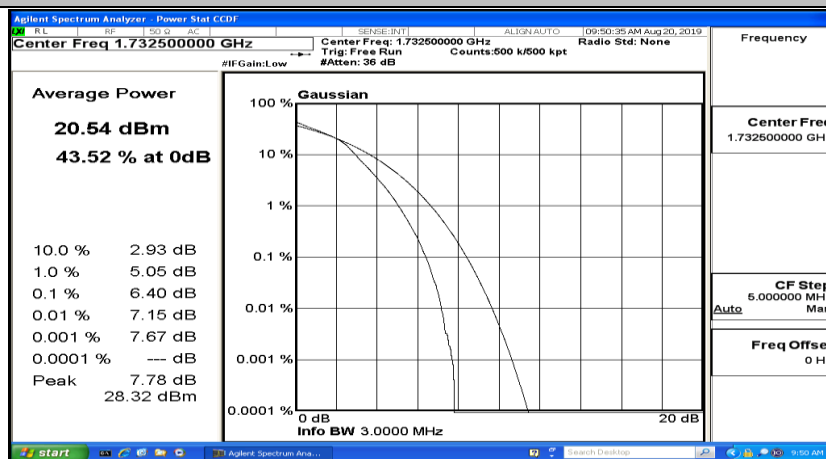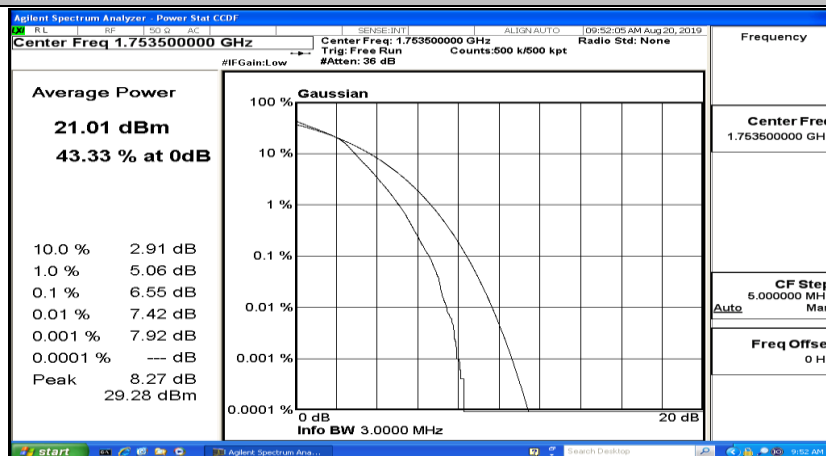
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK
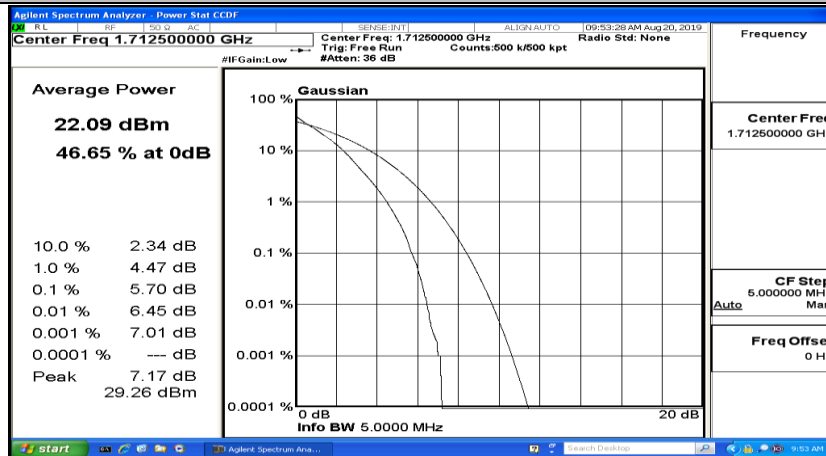


## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK
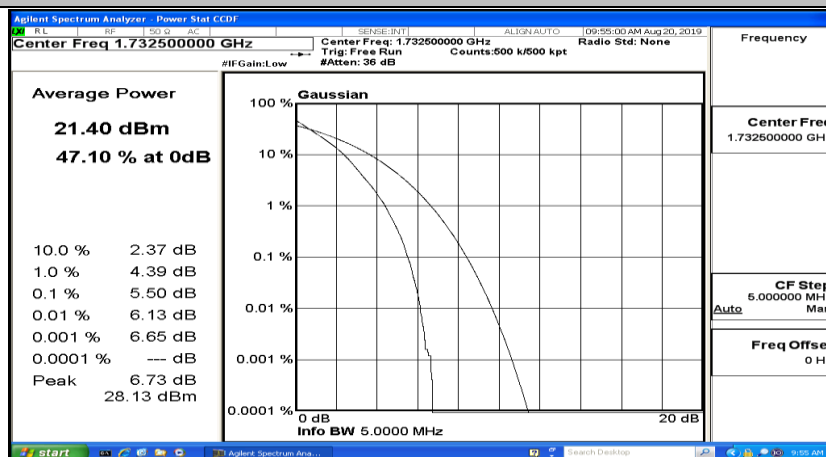


## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK
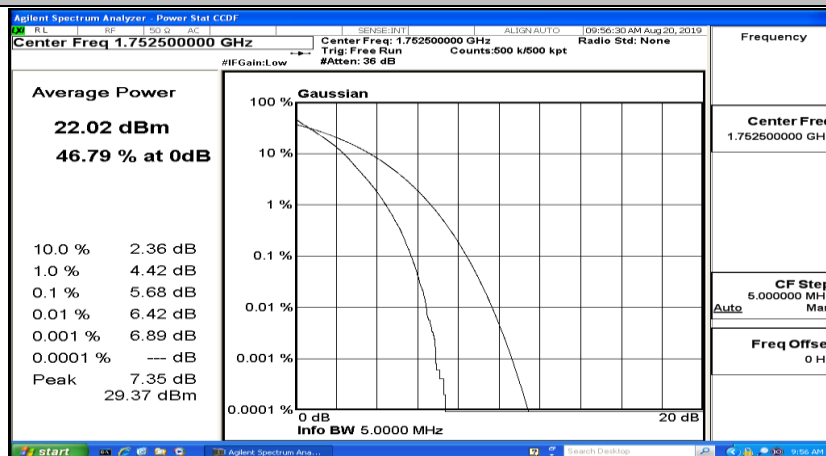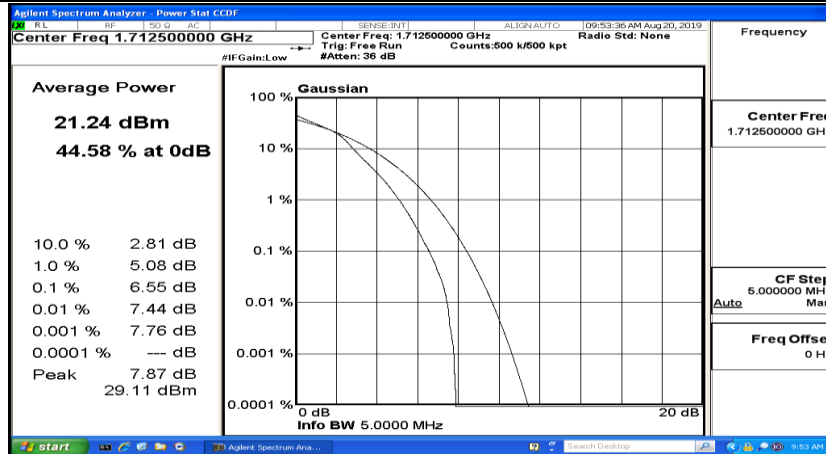
| Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM |
|---|



| Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM |
|---|



| Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM |
|---|
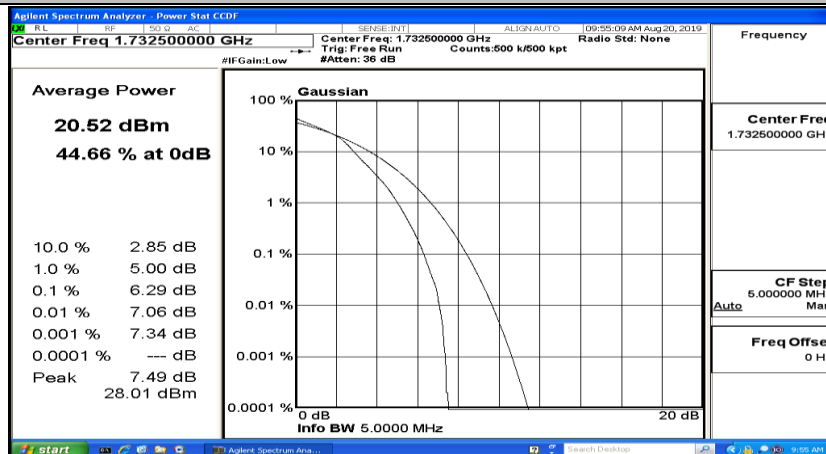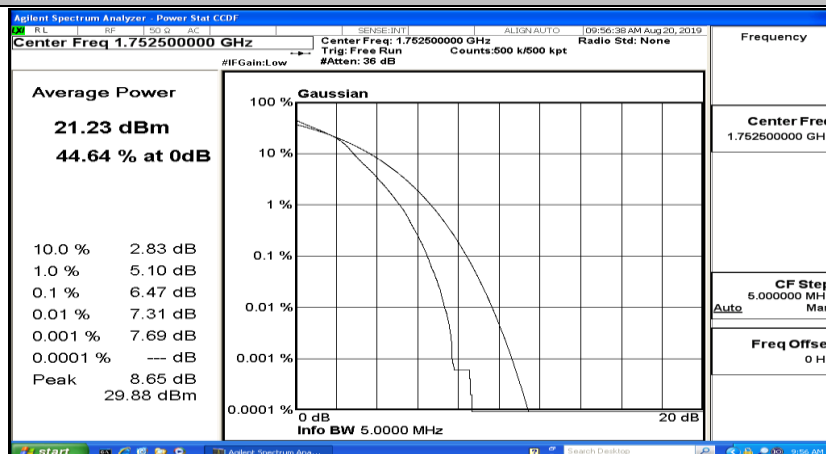
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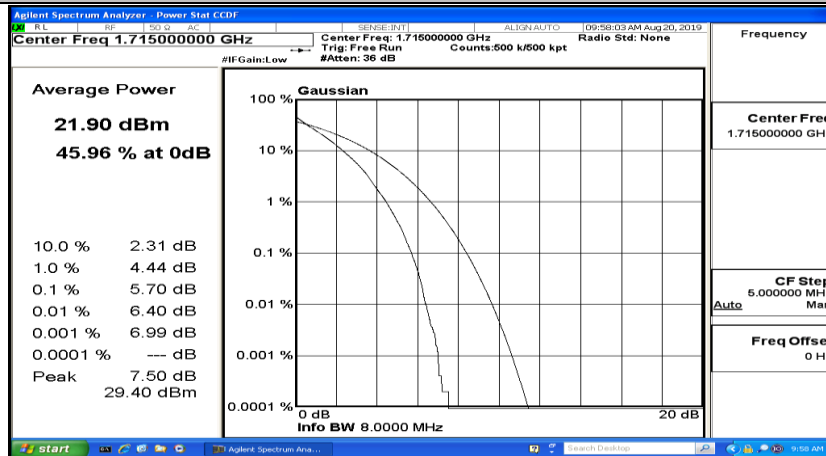


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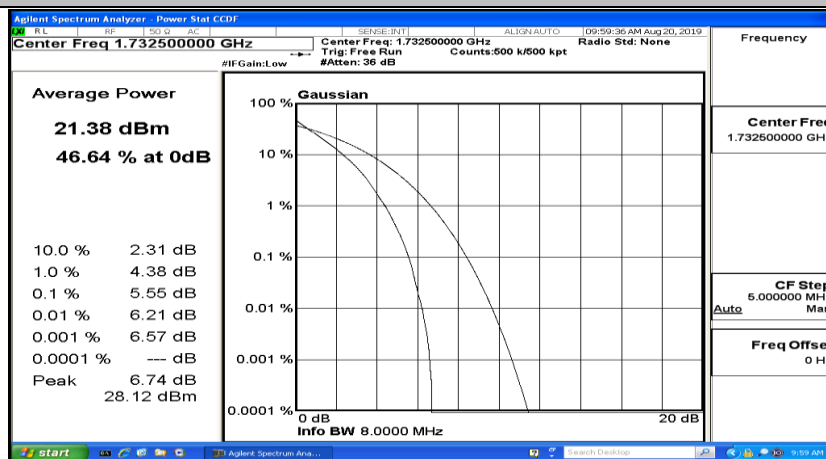


Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK
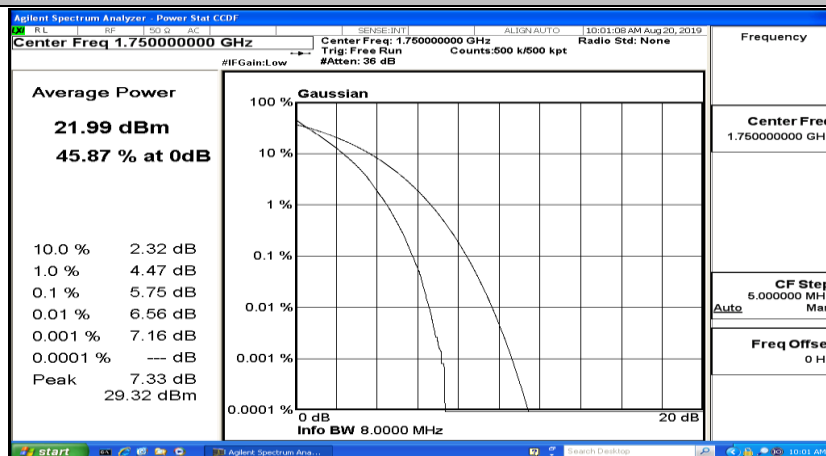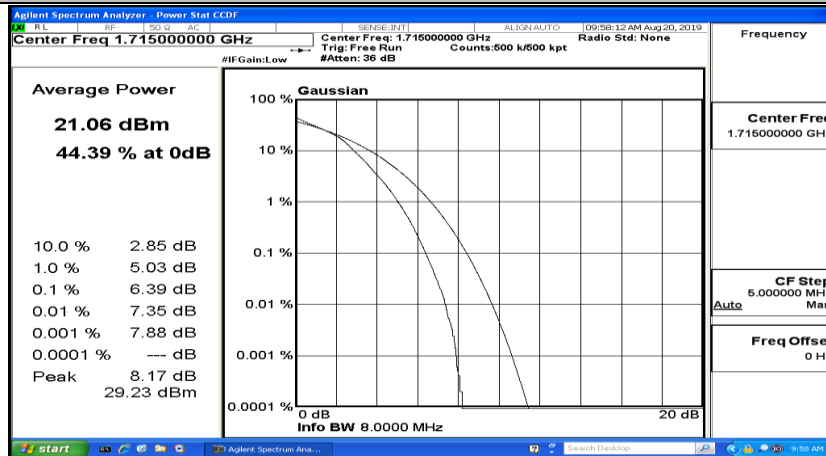
| Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM |
|---|



| Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM |
|---|



| Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM |
|---|

| Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK |
|---|



| Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK |
|---|



| Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK |
|---|

| Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM |
| --- |



| Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM |
| --- |



| Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM |
| --- |
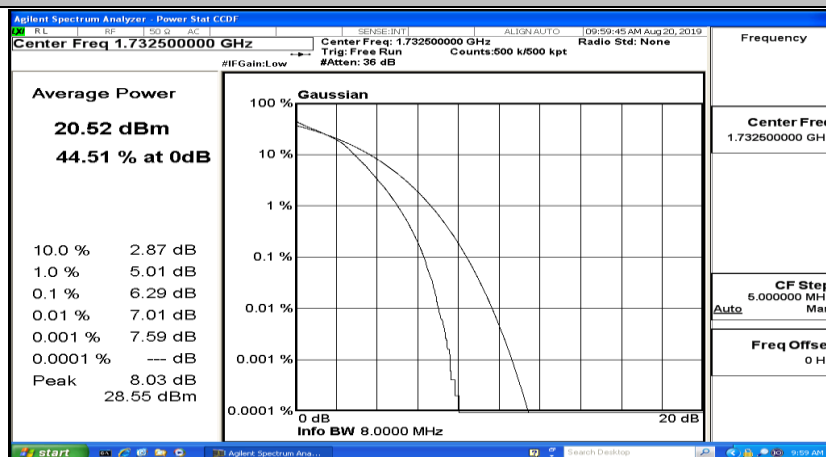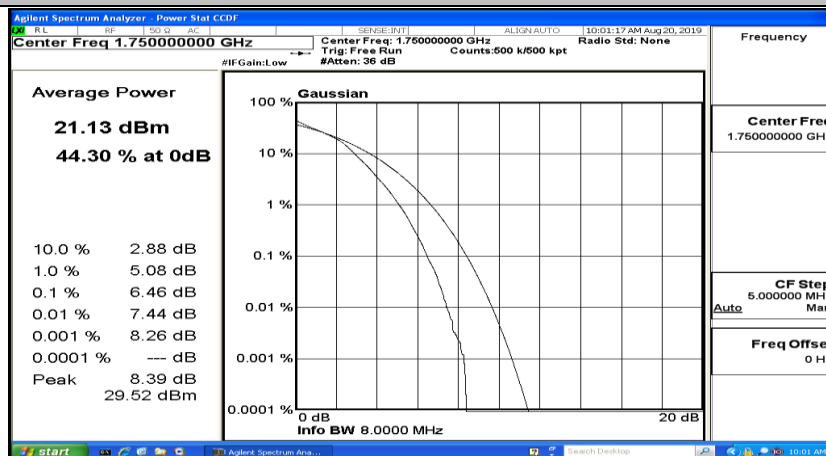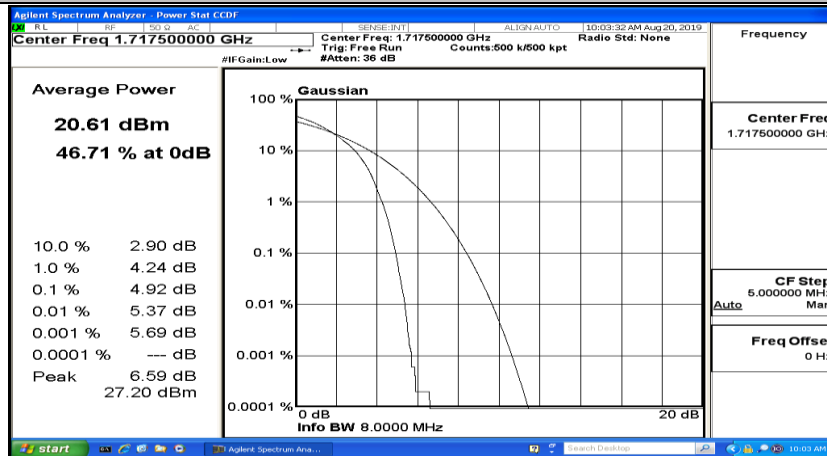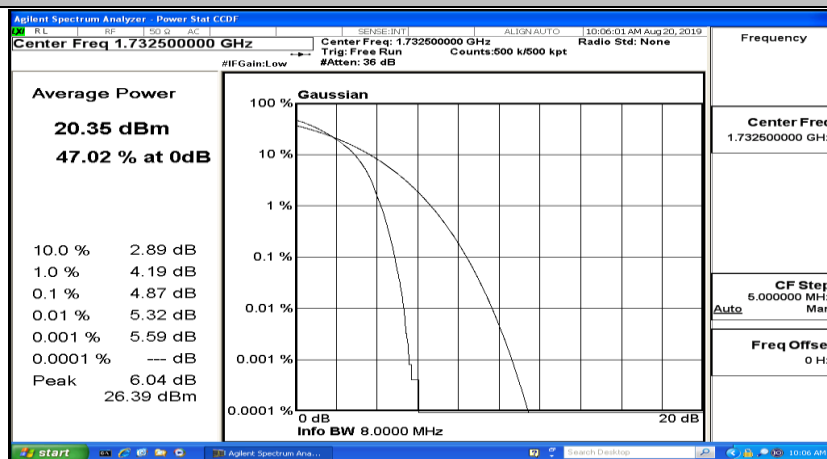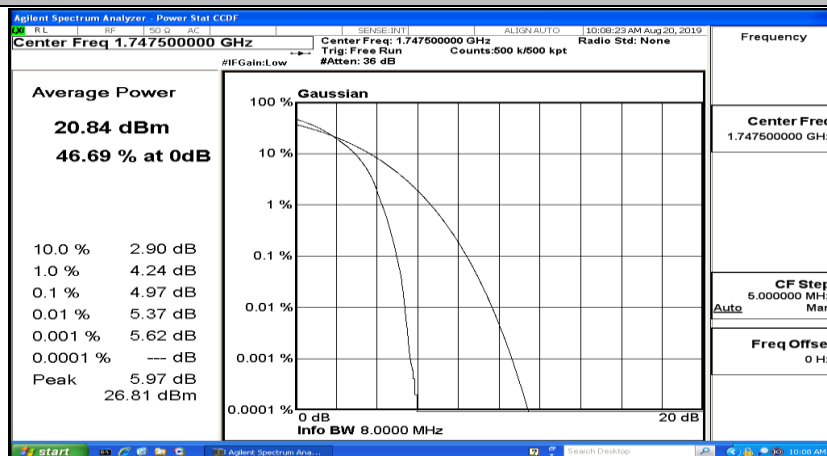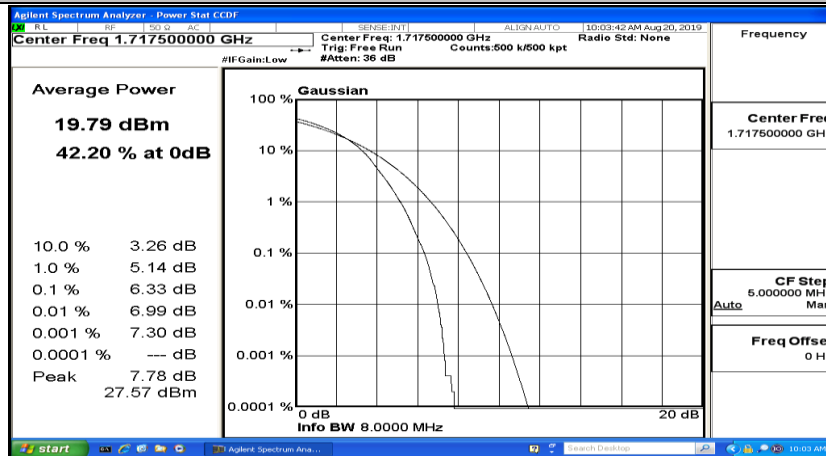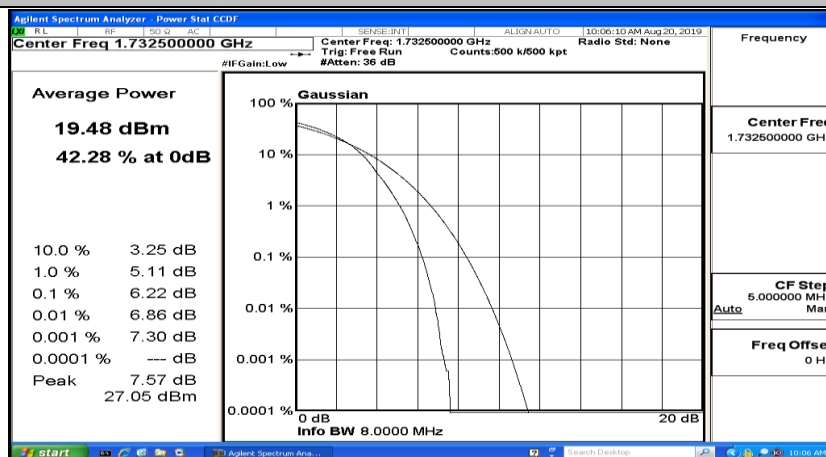


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*Page 24 of 84*
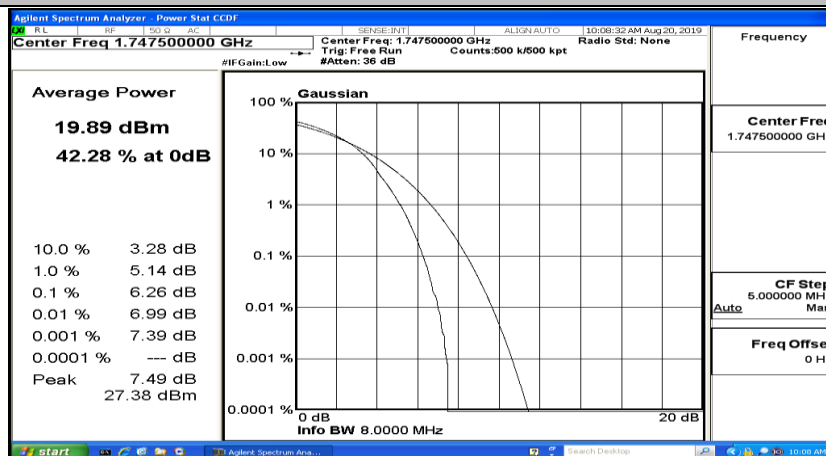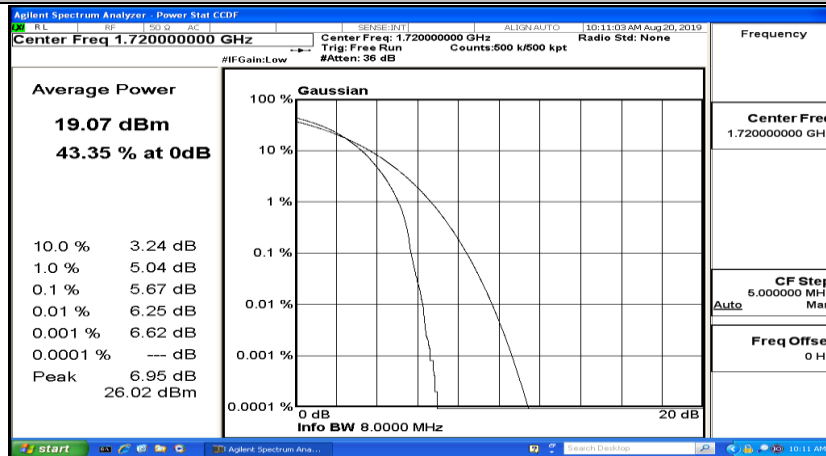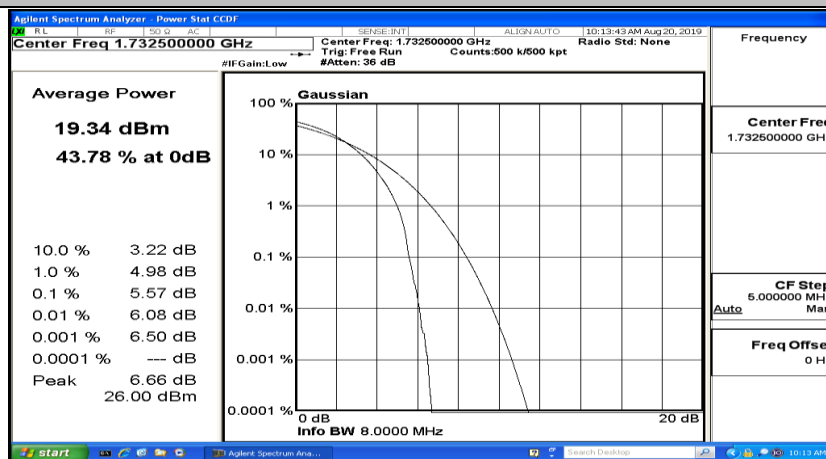
| Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK |
|---|



| Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK |
|---|



| Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK |
|---|

| Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM |
|---|



| Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_16QAM |
|---|



| Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM |
|---|
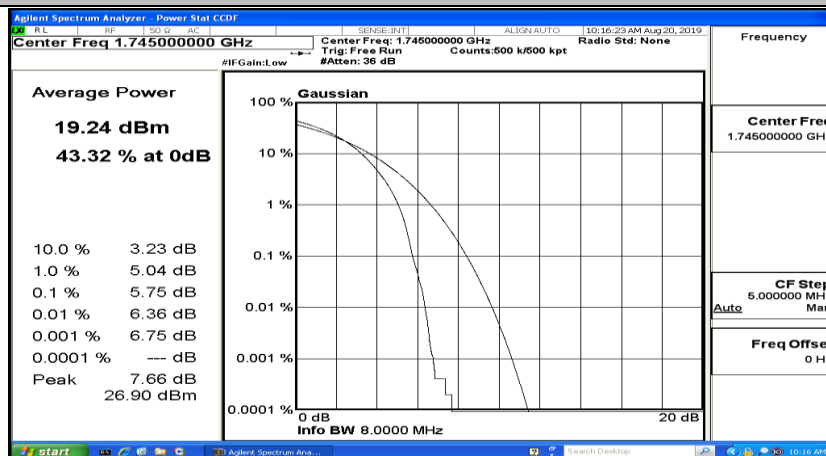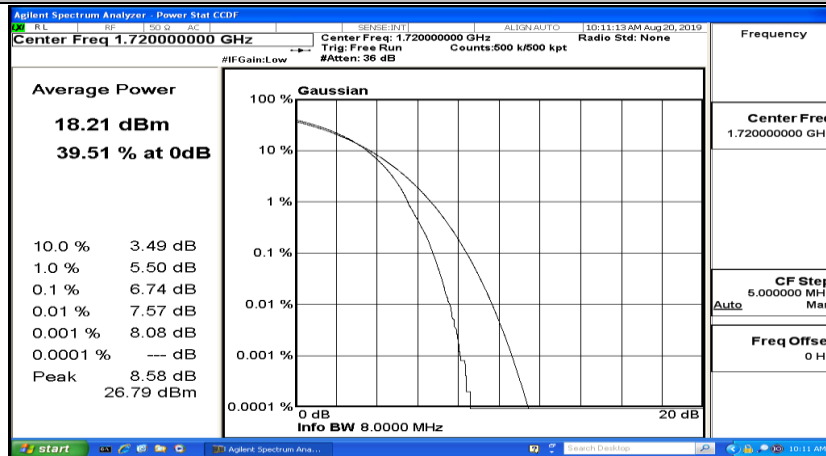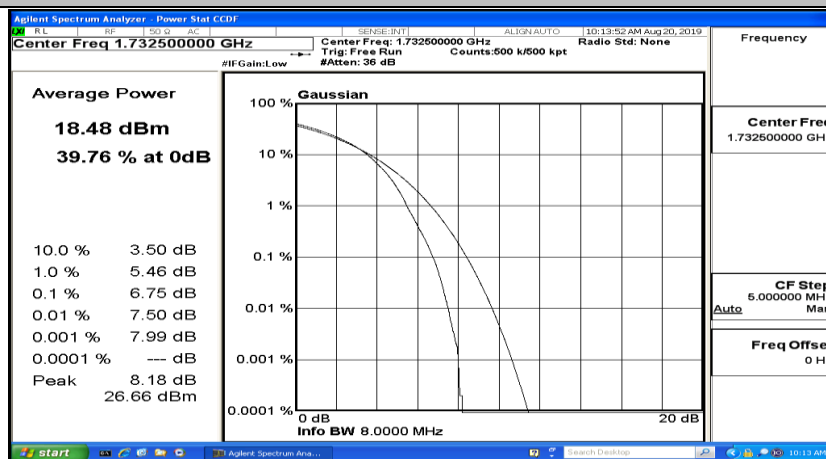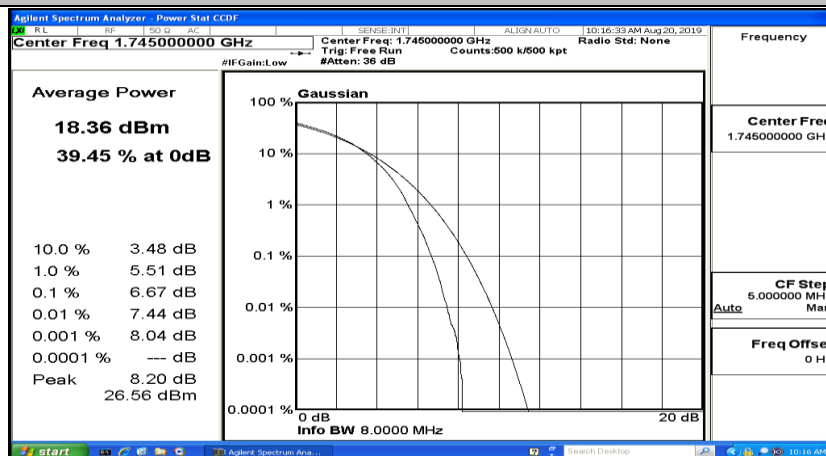
## G.3 26dB Bandwidth and Occupied Bandwidth

| EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz) | | | | |
|---|---|---|---|---|
| Modulation | Channel | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
| QPSK | LCH | 1.0814 | 1.252 | PASS |
| | MCH | 1.0774 | 1.218 | PASS |
| | HCH | 1.0782 | 1.213 | PASS |
| 16QAM | LCH | 1.0798 | 1.218 | PASS |
| | MCH | 1.0781 | 1.220 | PASS |
| | HCH | 1.0778 | 1.238 | PASS |

| EBW & OBW Test Result (Channel Bandwidth: 3 MHz) | | | | |
|---|---|---|---|---|
| Modulation | Channel | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
| QPSK | LCH | 2.6900 | 2.949 | PASS |
| | MCH | 2.6803 | 2.974 | PASS |
| | HCH | 2.6869 | 2.946 | PASS |
| 16QAM | LCH | 2.6843 | 2.960 | PASS |
| | MCH | 2.6834 | 2.949 | PASS |
| | HCH | 2.6887 | 3.031 | PASS |

| EBW & OBW Test Result (Channel Bandwidth: 5 MHz) | | | | |
|---|---|---|---|---|
| Modulation | Channel | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
| QPSK | LCH | 4.4767 | 4.819 | PASS |
| | MCH | 4.4667 | 4.807 | PASS |
| | HCH | 4.4670 | 4.851 | PASS |
| 16QAM | LCH | 4.4575 | 4.878 | PASS |
| | MCH | 4.4656 | 4.820 | PASS |
| | HCH | 4.4762 | 4.831 | PASS |

| EBW & OBW Test Result (Channel Bandwidth: 10 MHz) | | | | |
|---|---|---|---|---|
| Modulation | Channel | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
| QPSK | LCH | 8.9322 | 9.643 | PASS |
| | MCH | 8.9289 | 9.466 | PASS |
| | HCH | 8.9358 | 9.475 | PASS |
| 16QAM | LCH | 8.9256 | 9.455 | PASS |
| | MCH | 8.9347 | 9.483 | PASS |
| | HCH | 8.9415 | 9.566 | PASS |

| EBW & OBW Test Result (Channel Bandwidth: 15 MHz) | | | | |
|---|---|---|---|---|
| Modulation | Channel | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
| QPSK | LCH | 13.377 | 14.13 | PASS |
| | MCH | 13.382 | 14.09 | PASS |
| | HCH | 13.408 | 14.12 | PASS |
| 16QAM | LCH | 13.392 | 14.07 | PASS |
| | MCH | 13.360 | 14.05 | PASS |
| | HCH | 13.403 | 14.13 | PASS |

| EBW & OBW Test Result (Channel Bandwidth: 20 MHz) | | | | |
|---|---|---|---|---|
| Modulation | Channel | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
| QPSK | LCH | 17.870 | 18.73 | PASS |
| | MCH | 17.828 | 18.67 | PASS |
| | HCH | 17.890 | 18.74 | PASS |
| 16QAM | LCH | 17.868 | 18.70 | PASS |
| | MCH | 17.817 | 18.62 | PASS |
| | HCH | 17.875 | 18.79 | PASS |

| EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK |
|---|



| EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK |
|---|



| EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK |
|---|

| EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM |
|---|



| EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM |
|---|



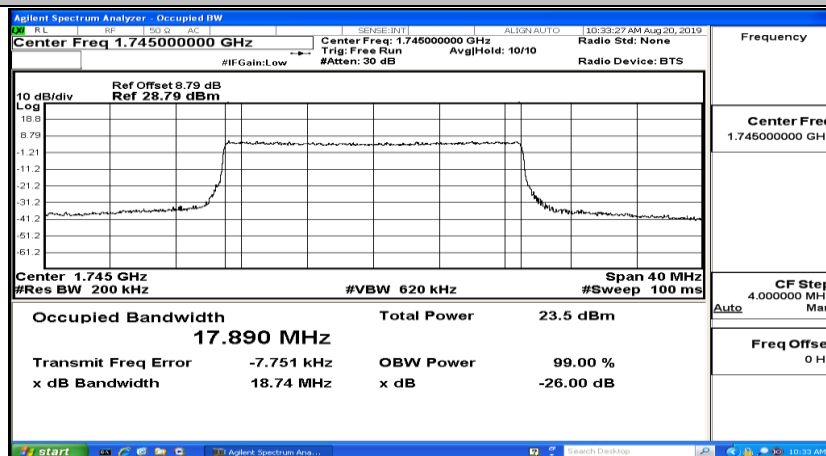| EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM |
|---|
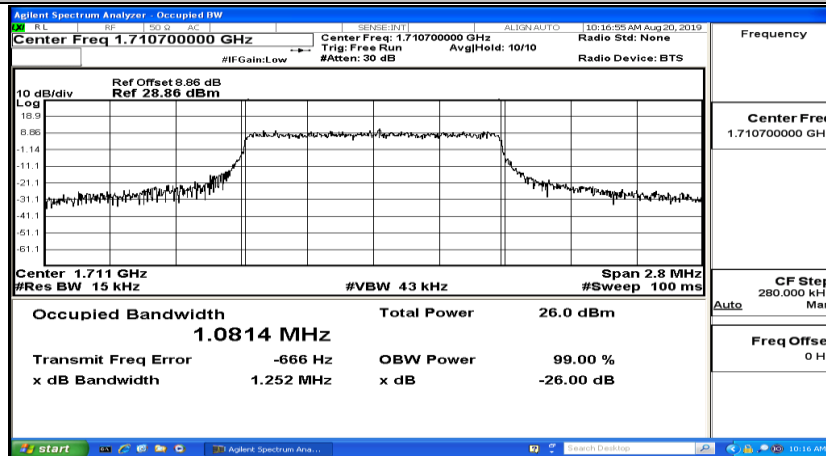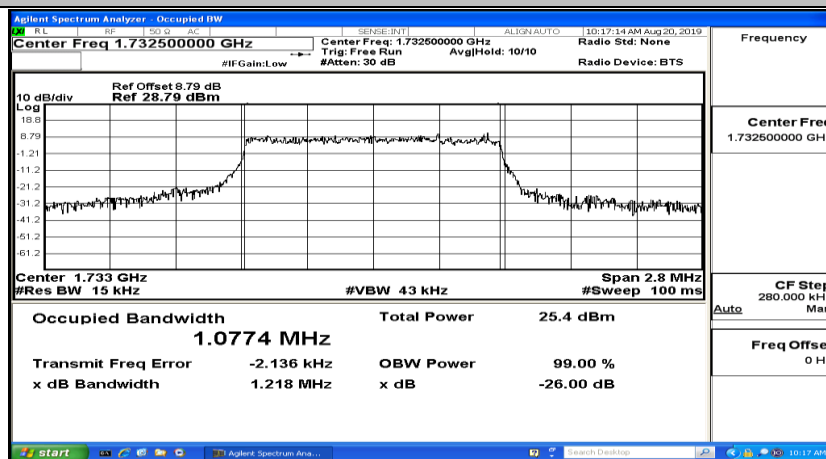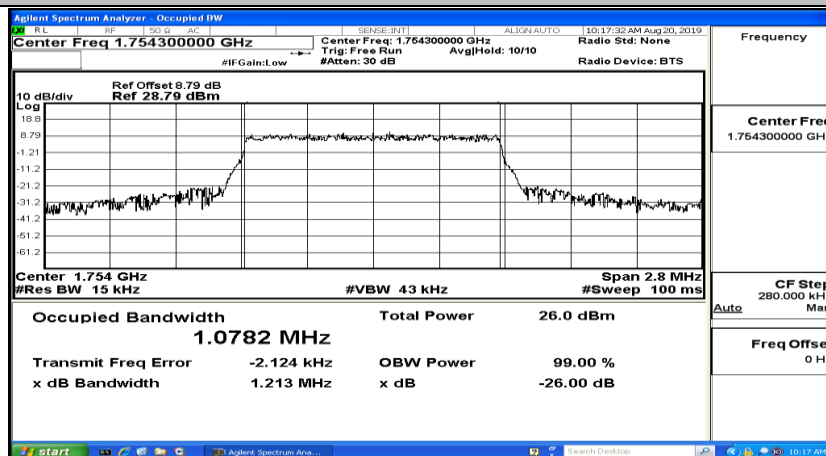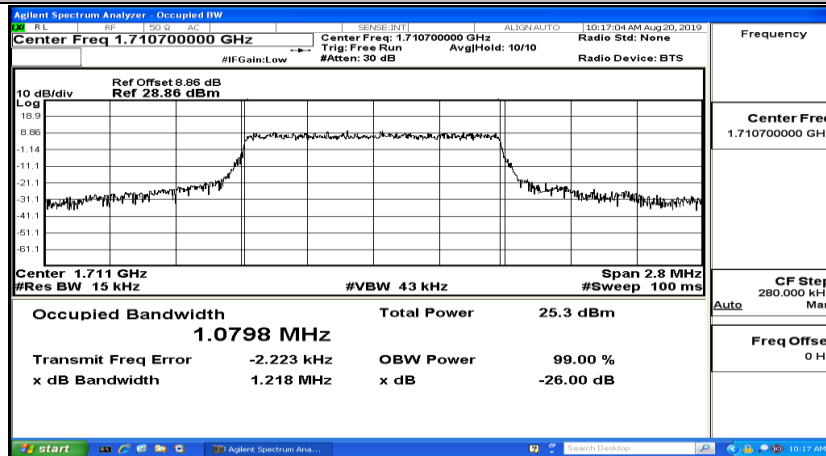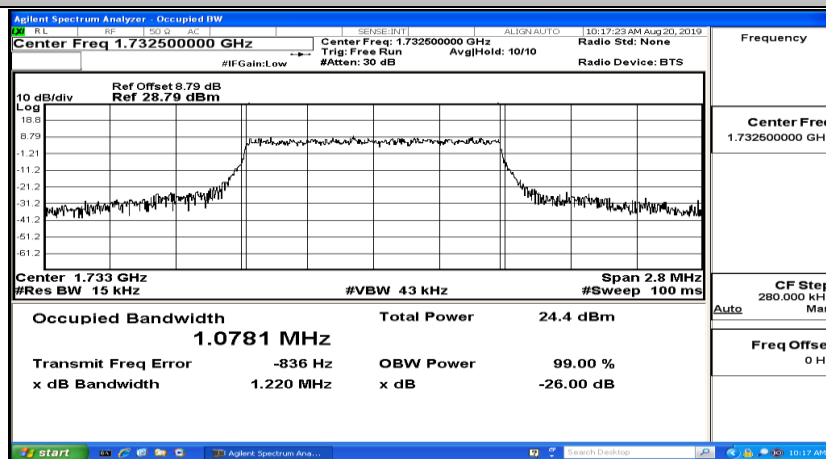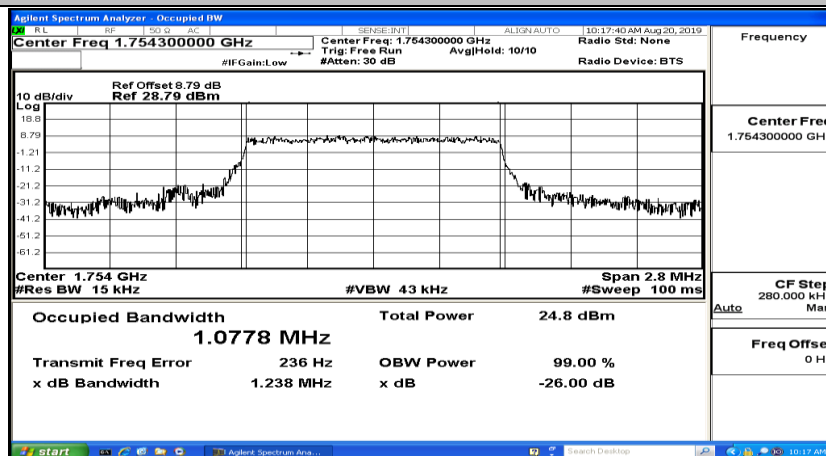
## EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK
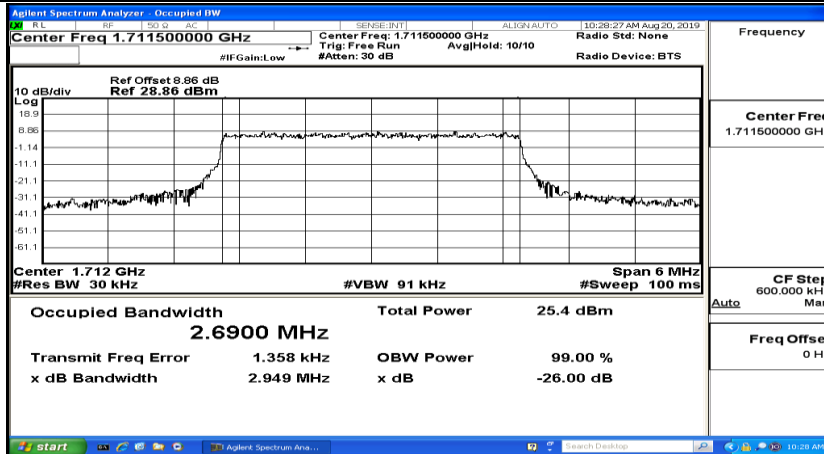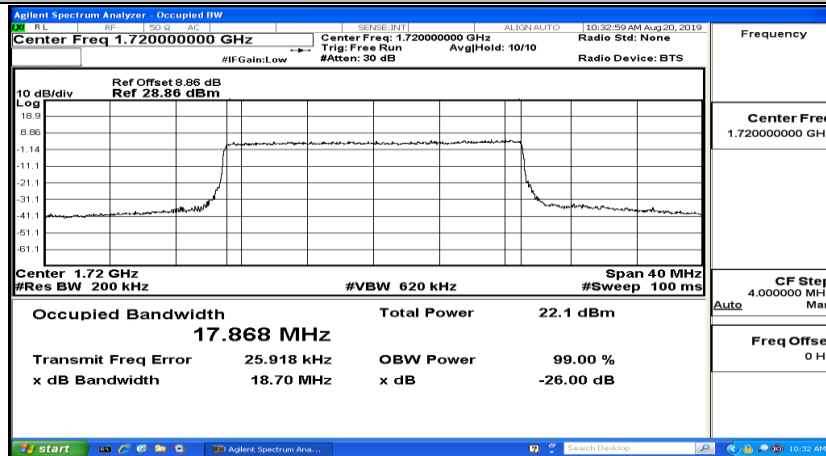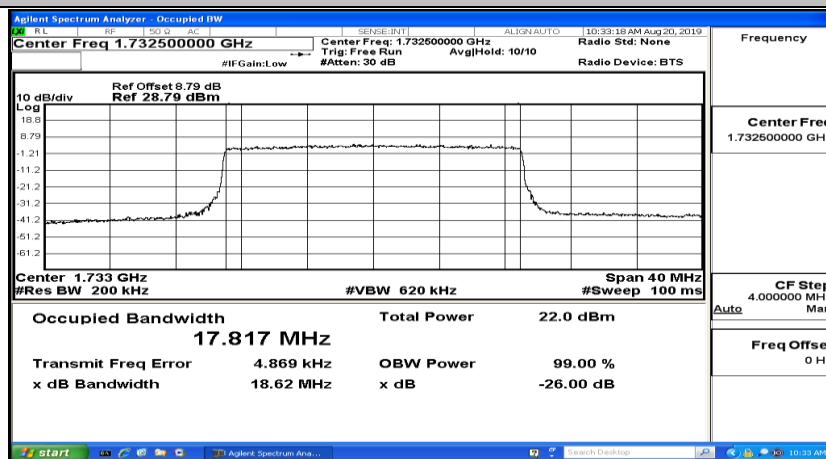


## EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK
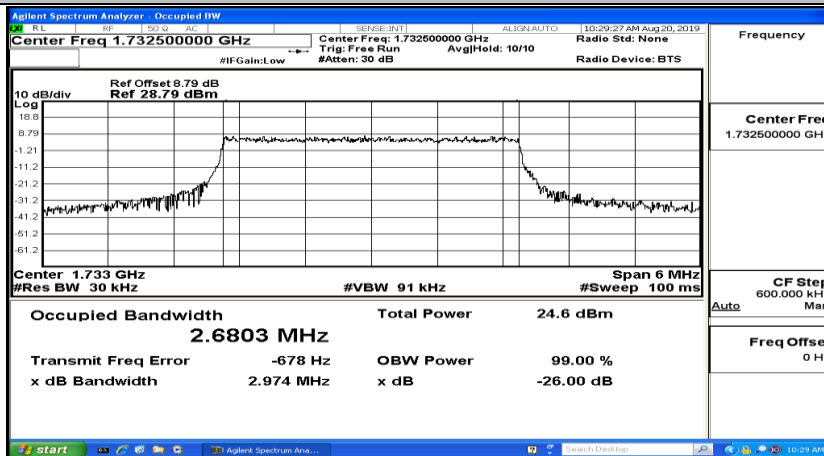


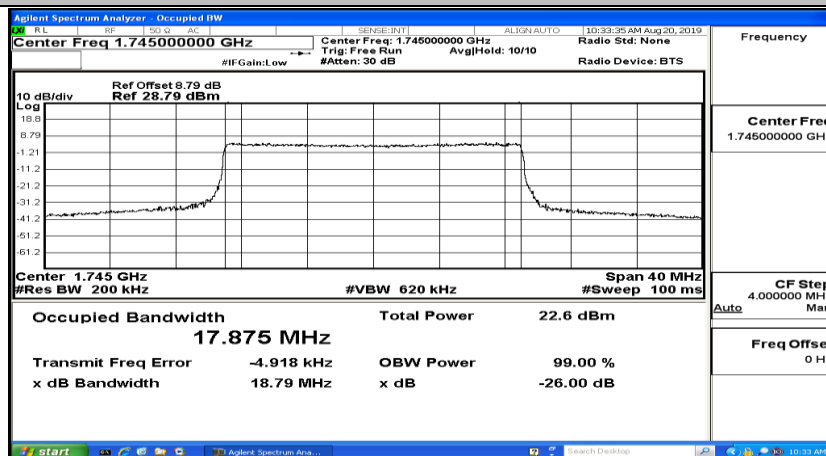## EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK
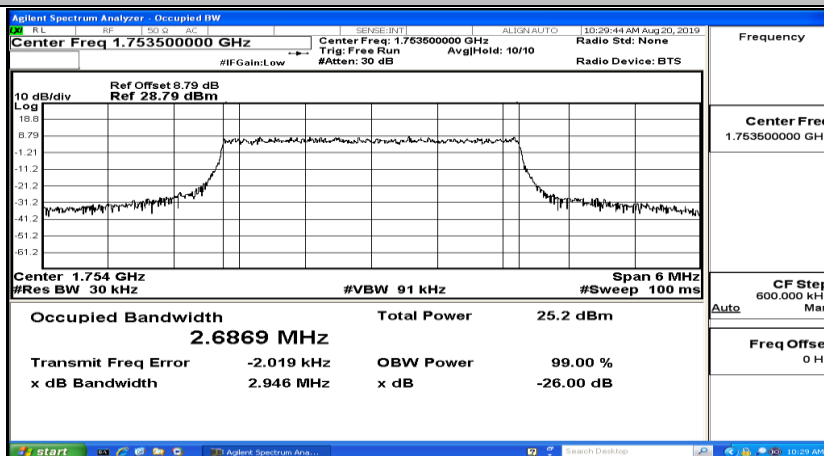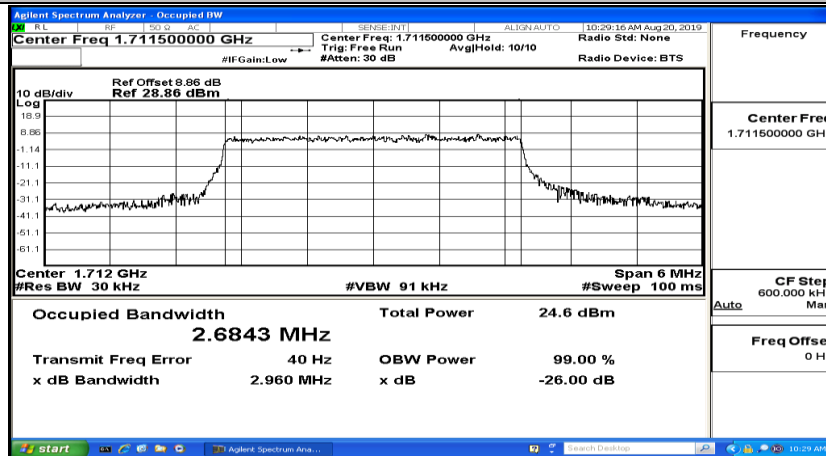
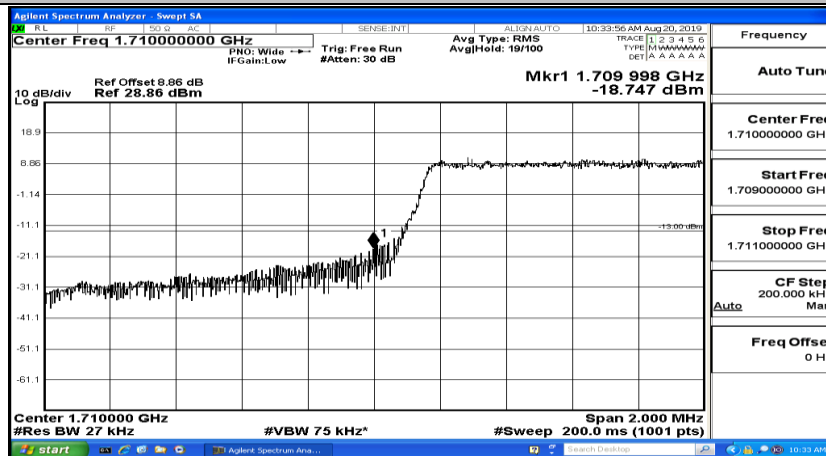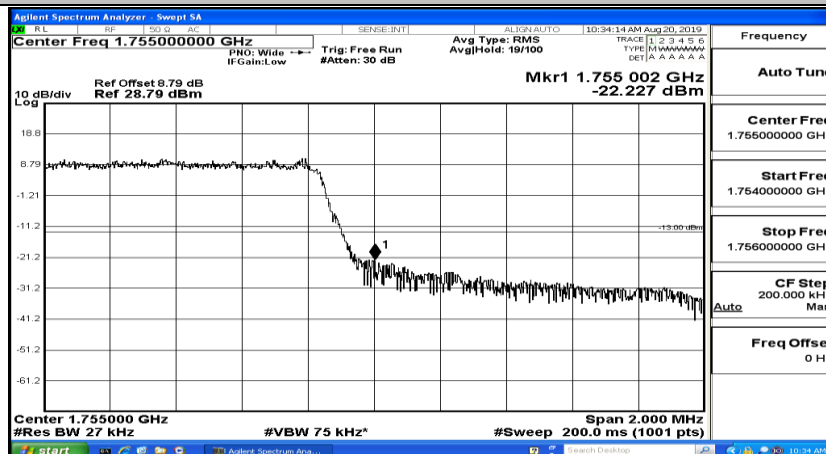| EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM |
|---|



| EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM |
|---|



| EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM |
|---|

| EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK |
|---|



| EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK |
|---|



| EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK |
|---|

| EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM |
|---|



| EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM |
|---|



| EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM |
|---|
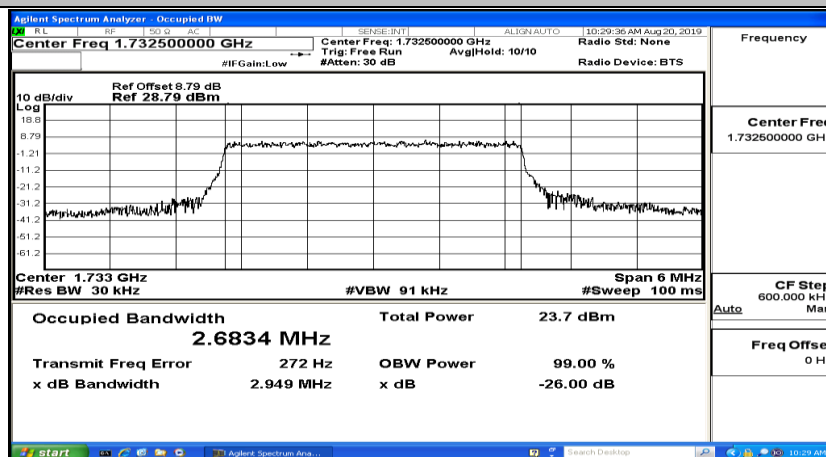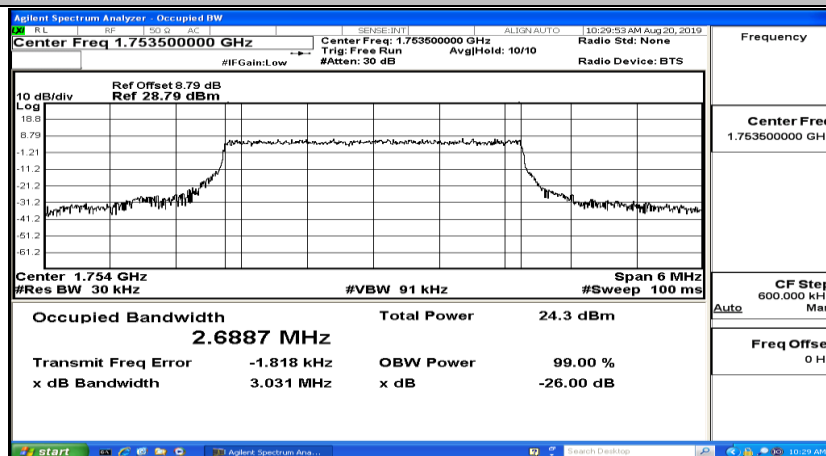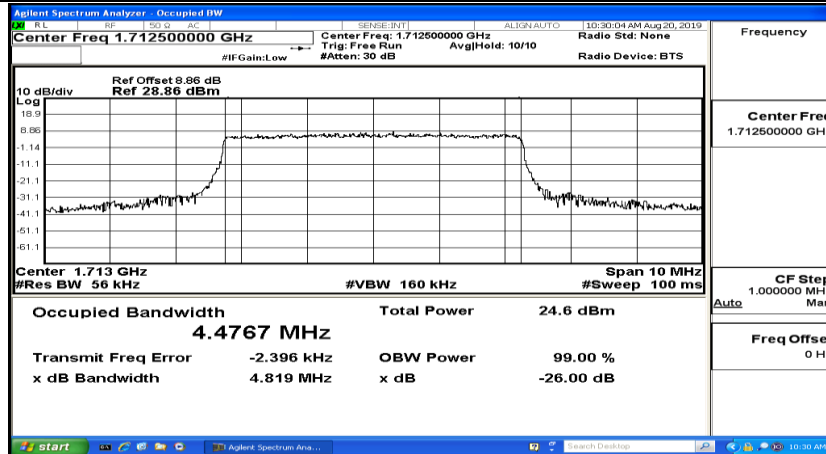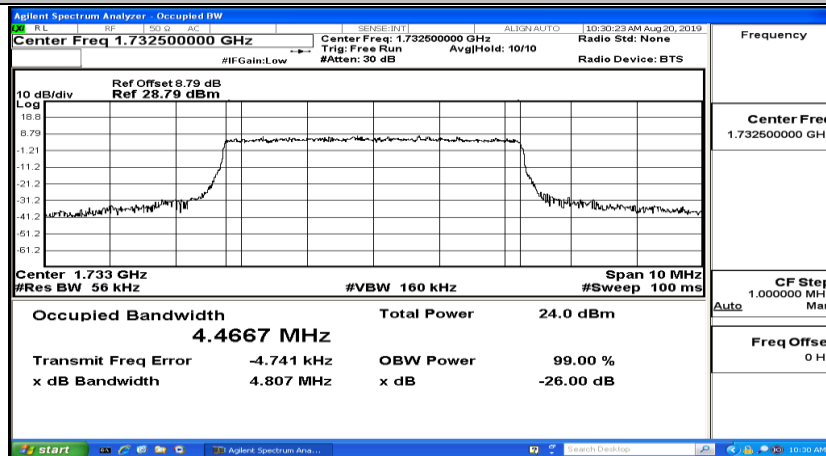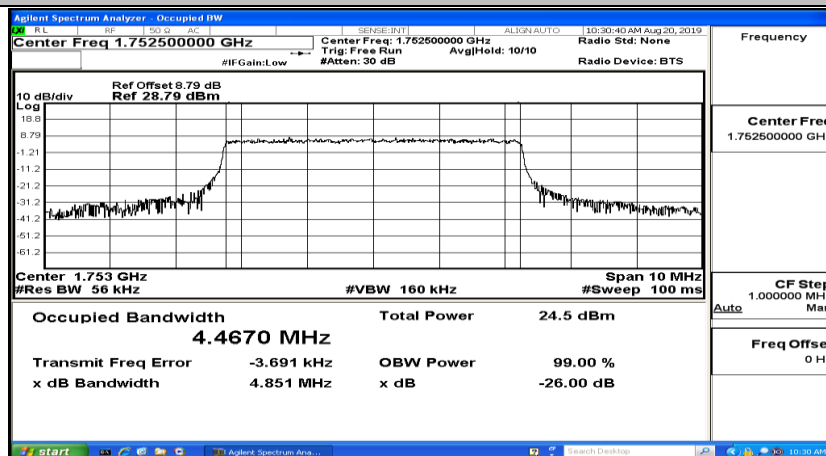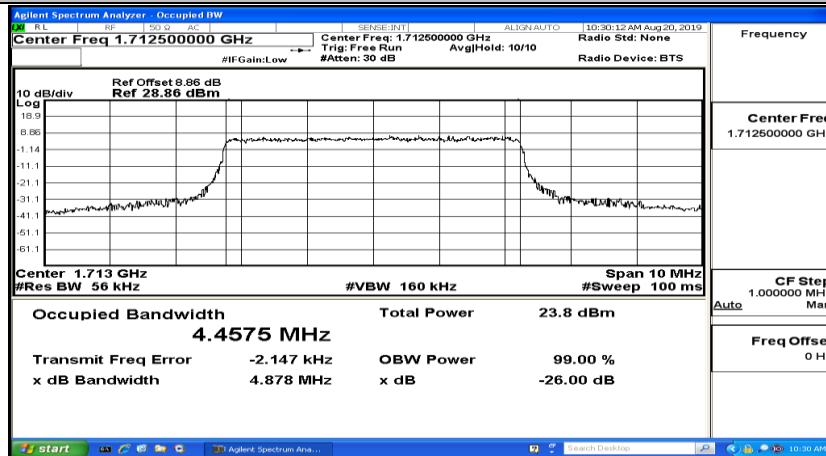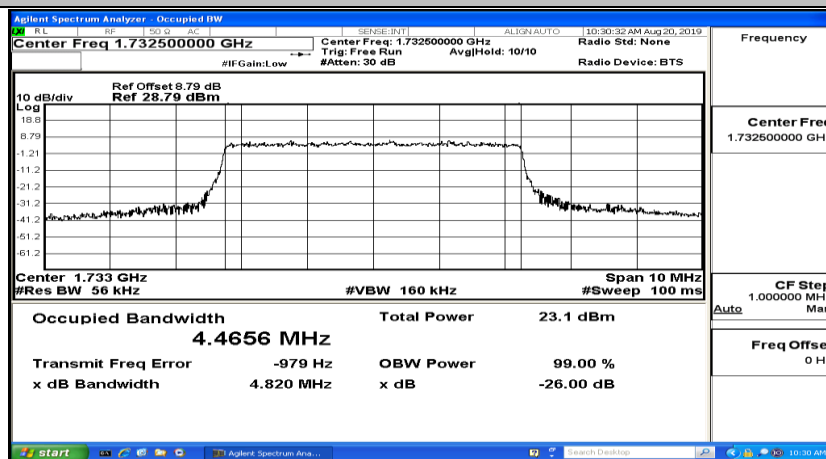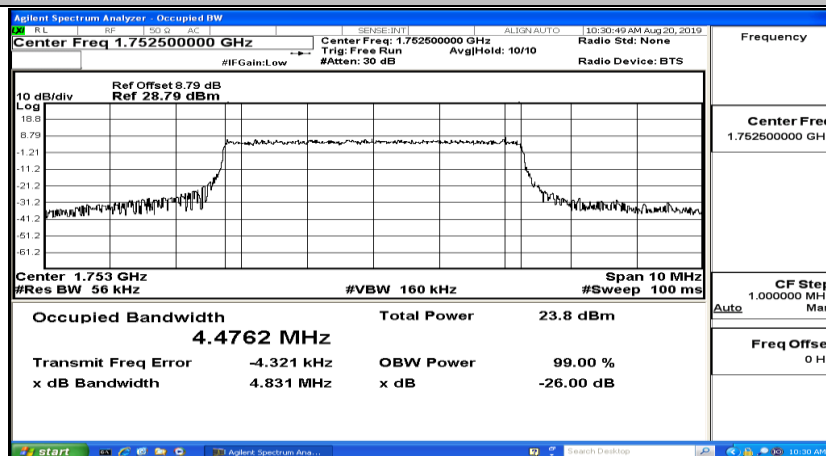
## EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK
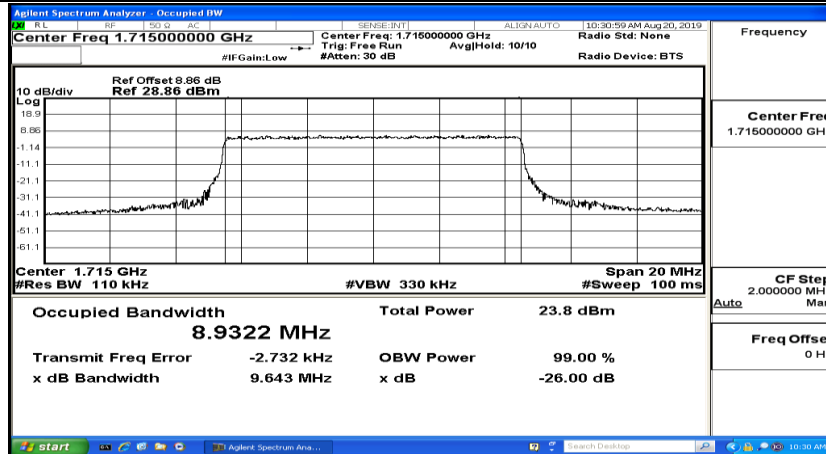


| Occupied Bandwidth | Total Power | 23.8 dBm |
| --- | --- | --- |
| **8.9322 MHz** | | |
| Transmit Freq Error | -2.732 kHz | OBW Power | 99.00 % |
| x dB Bandwidth | 9.643 MHz | x dB | -26.00 dB |

## EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



| Occupied Bandwidth | Total Power | 23.4 dBm |
| --- | --- | --- |
| **8.9289 MHz** | | |
| Transmit Freq Error | 996 Hz | OBW Power | 99.00 % |
| x dB Bandwidth | 9.466 MHz | x dB | -26.00 dB |

## EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK
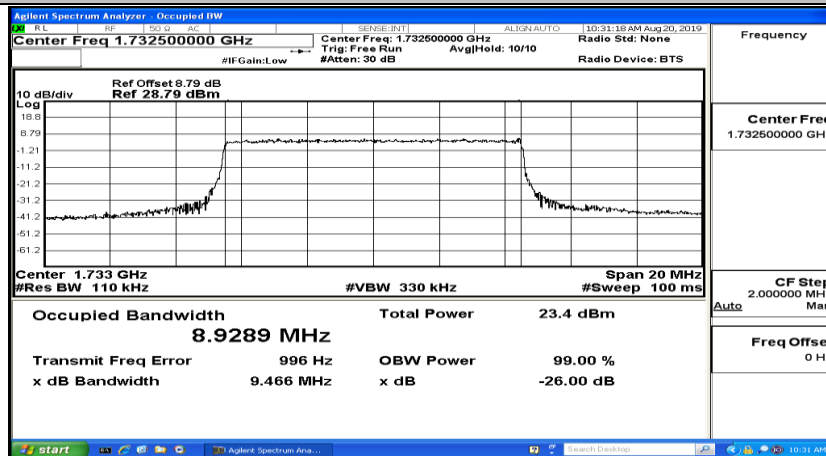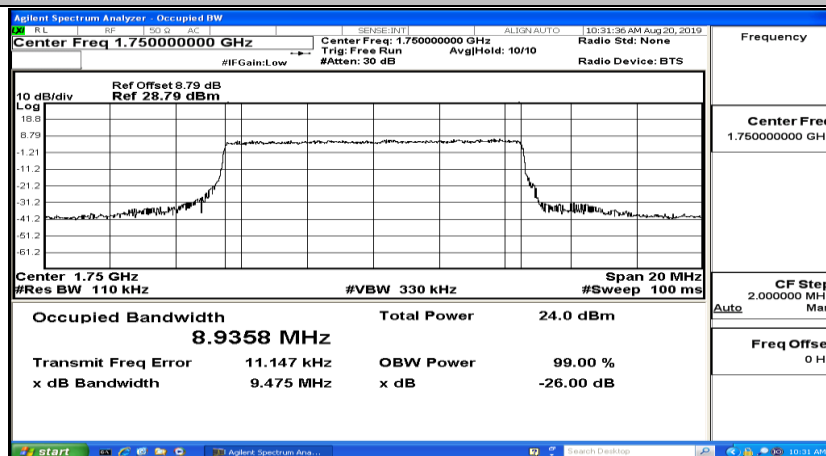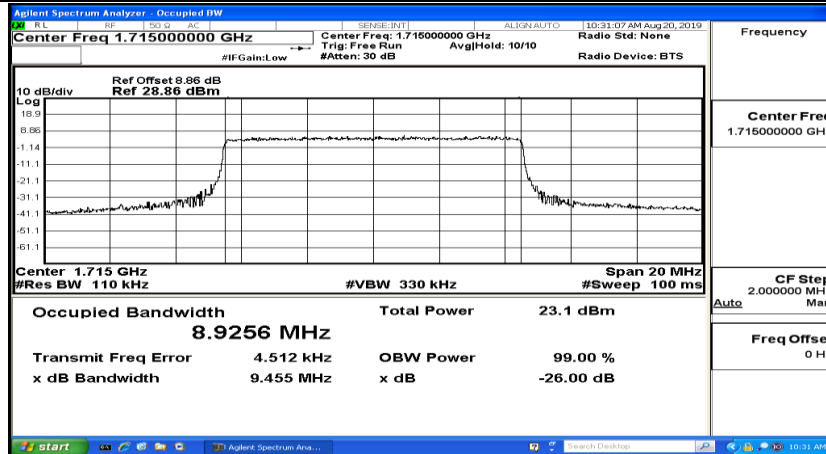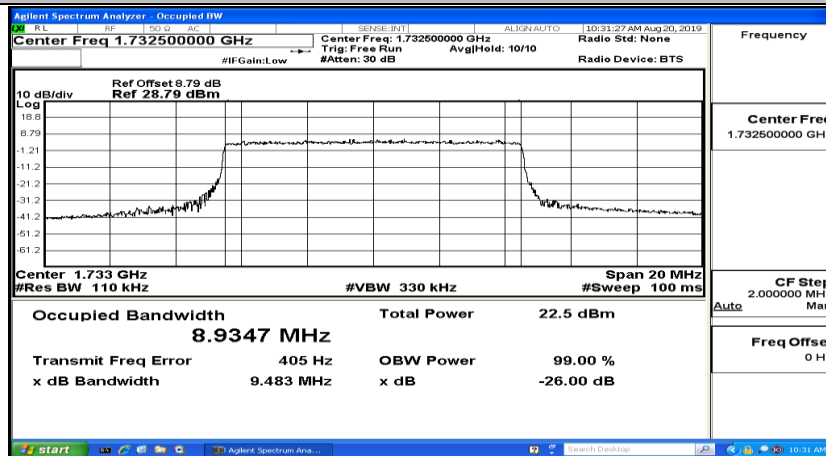


| Occupied Bandwidth | Total Power | 24.0 dBm |
| --- | --- | --- |
| **8.9358 MHz** | | |
| Transmit Freq Error | 11.147 kHz | OBW Power | 99.00 % |
| x dB Bandwidth | 9.475 MHz | x dB | -26.00 dB |

| EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM |
|---|



| EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM |
|---|



| EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM |
|---|
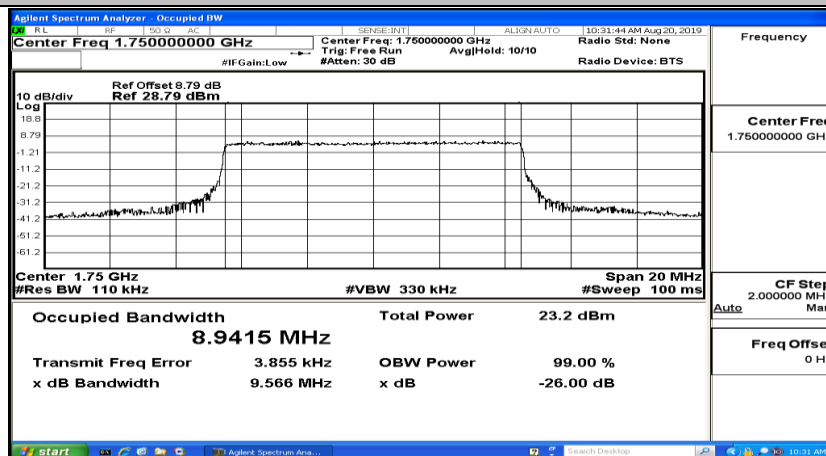
## EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK
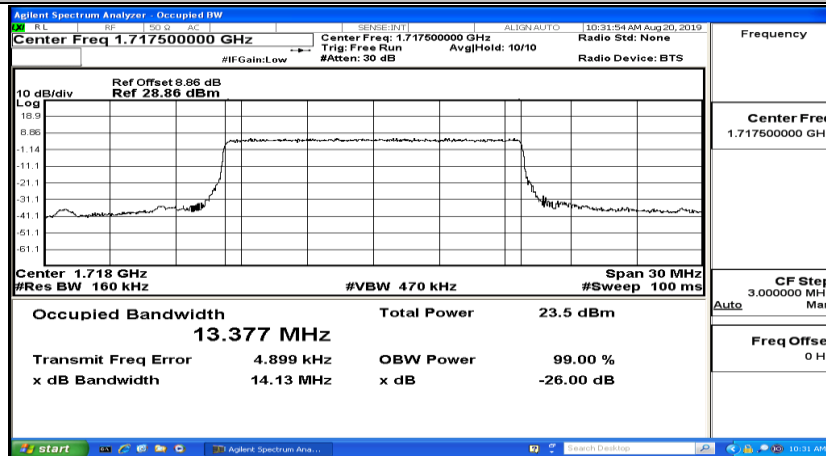


## EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK
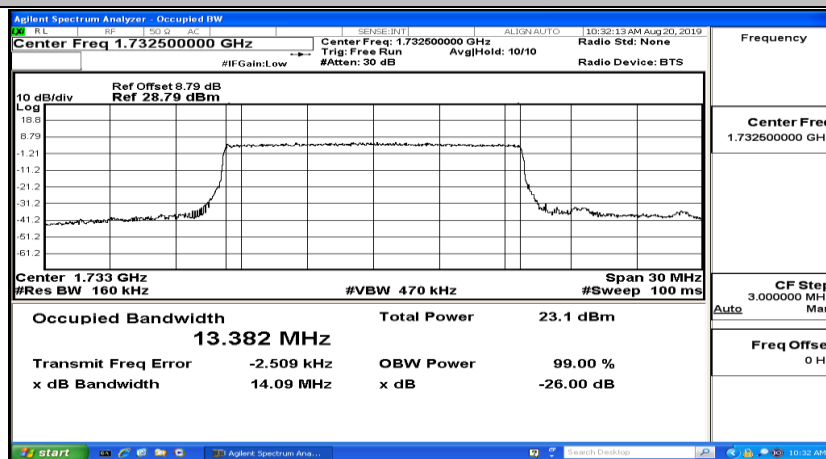


## EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK
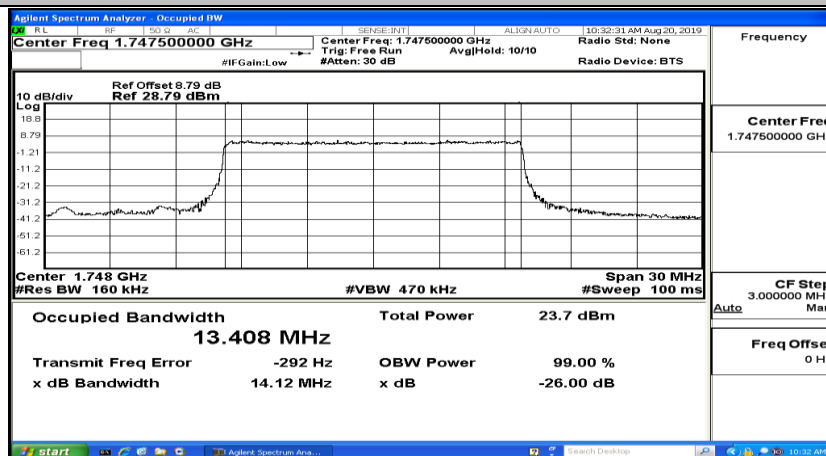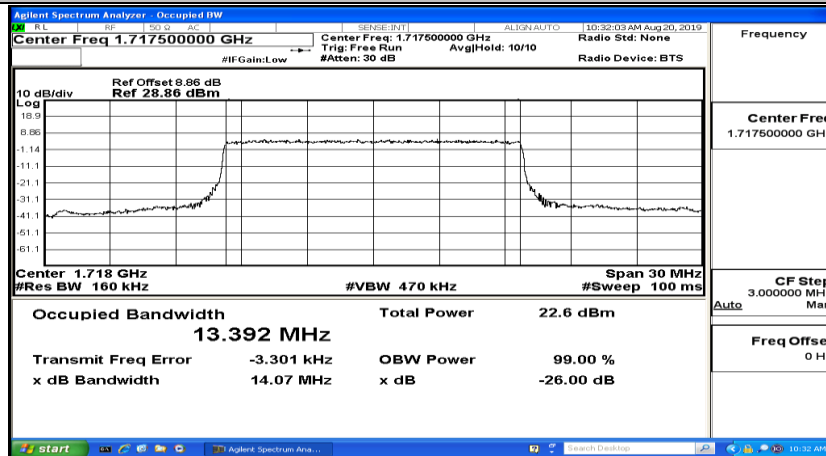
| EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM |
|---|



| EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM |
|---|



| EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM |
|---|

| EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK |
|---|



| EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK |
|---|



| EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK |
|---|

| EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM |
|---|



| EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_16QAM |
|---|



| EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM |
|---|
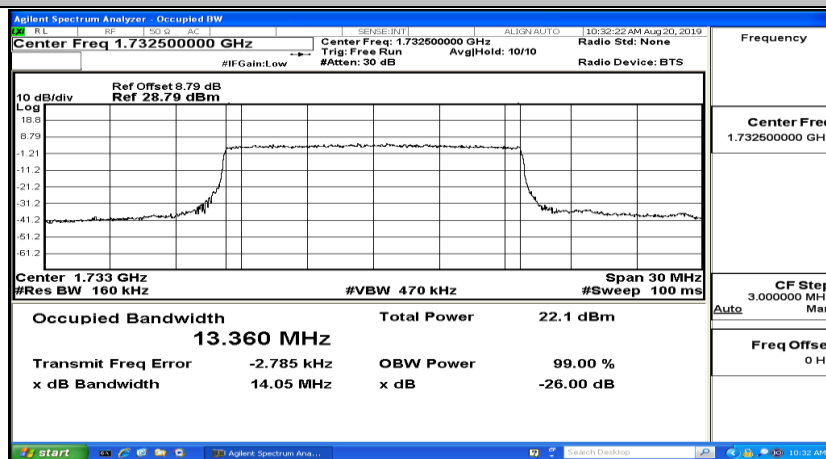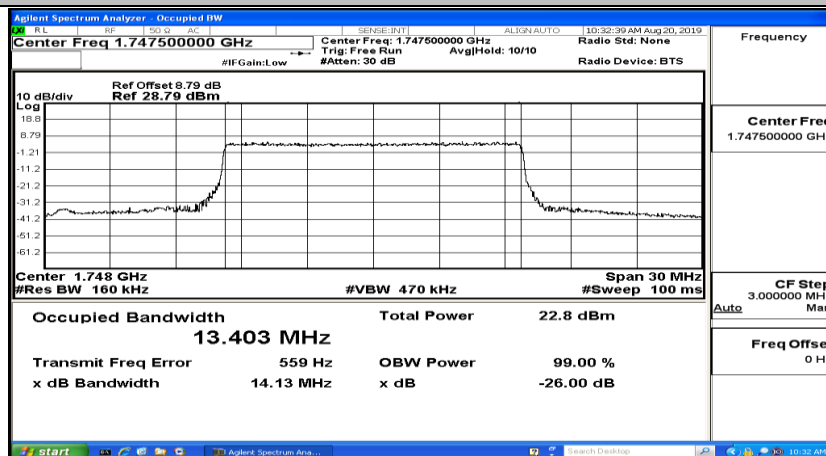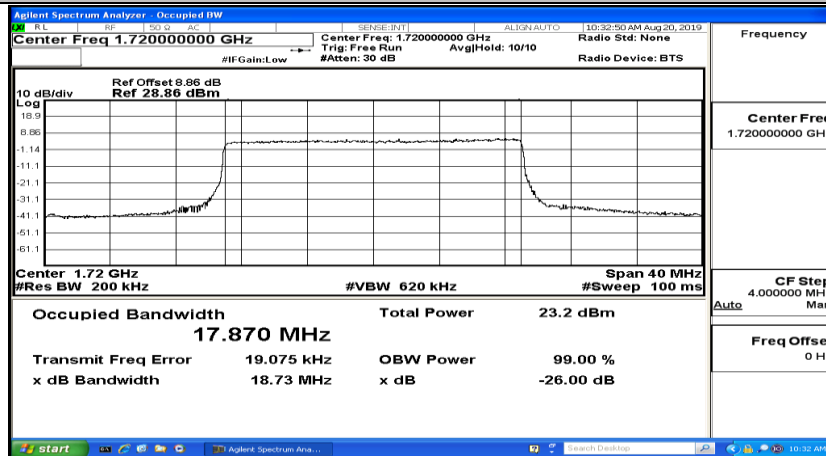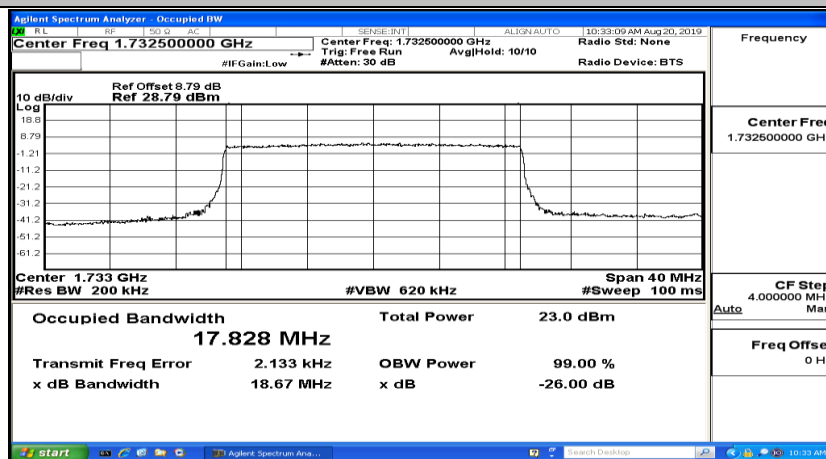
## G.4 Band Edge

| Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK |
|---|
|  |

| Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK |
|---|
|  |

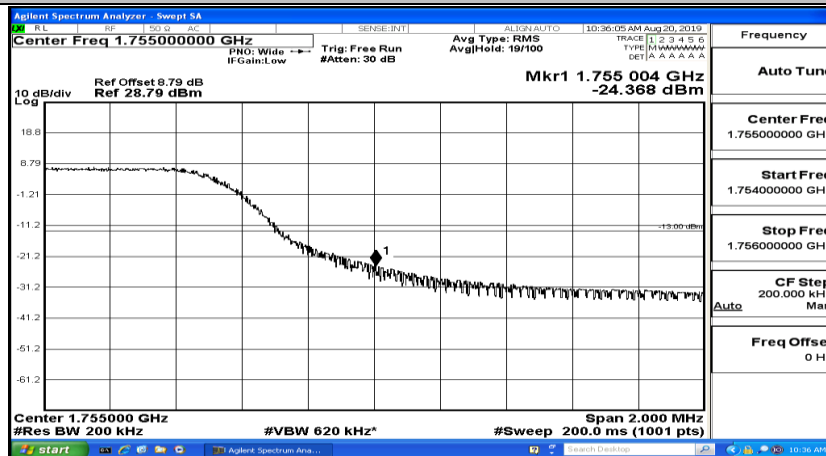| Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM |
|---|
|  |
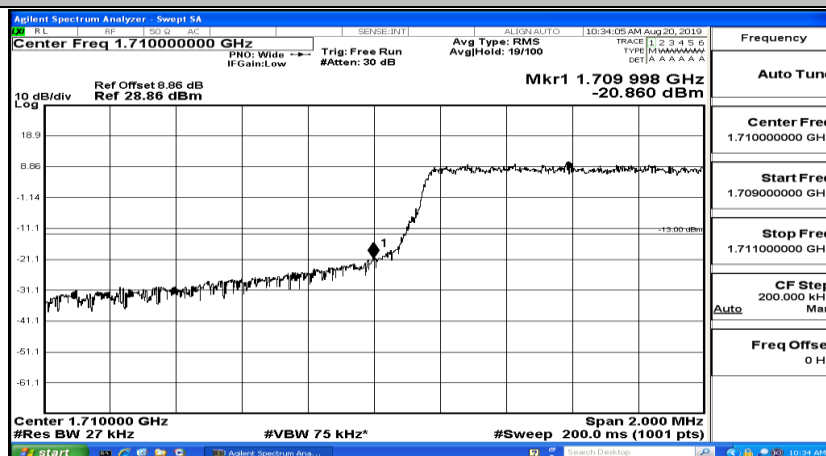
## Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM
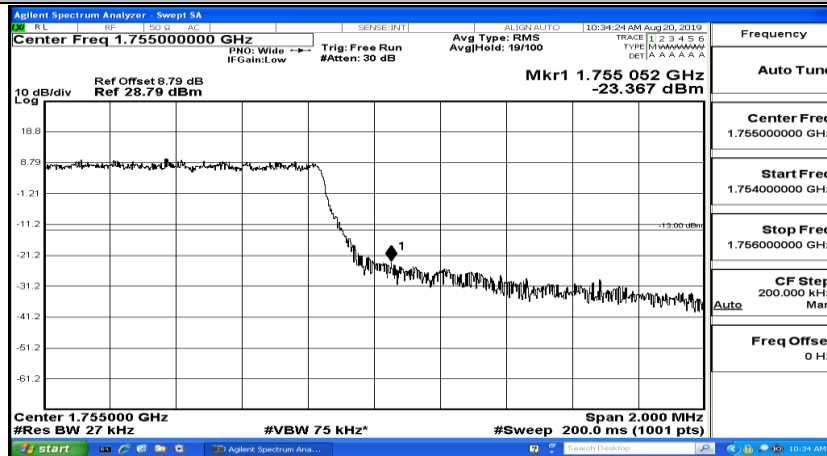


## Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK
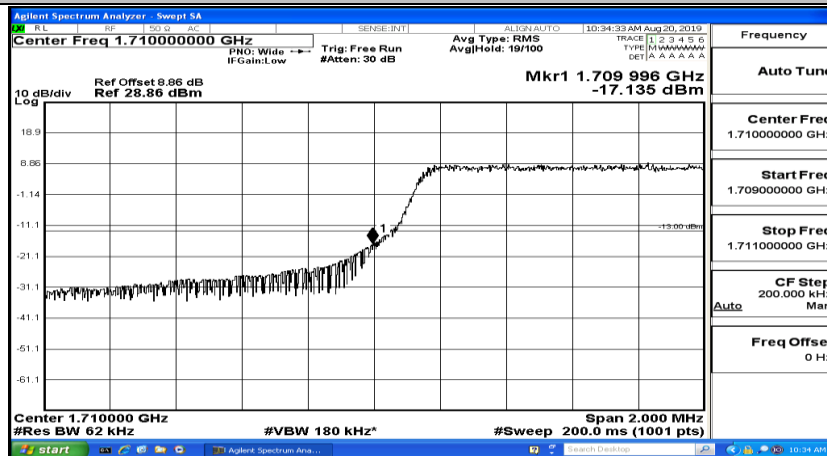


## Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK
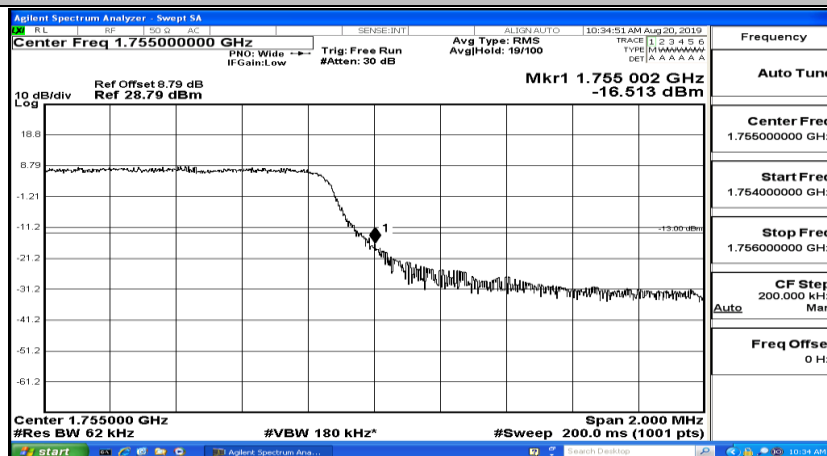
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM
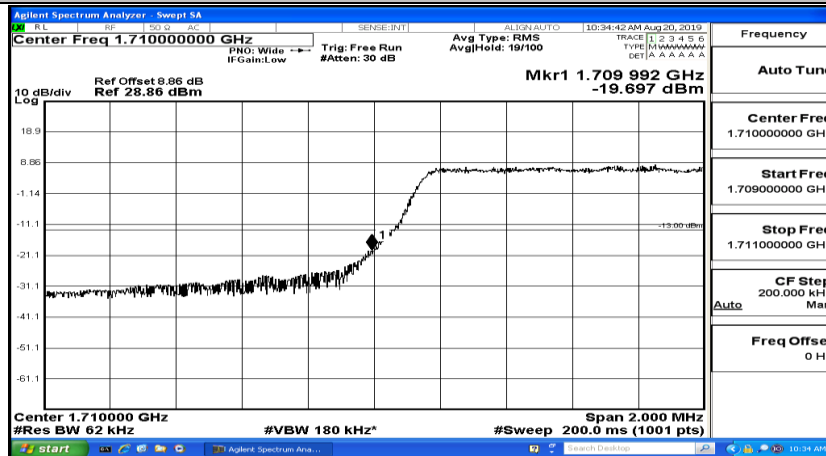


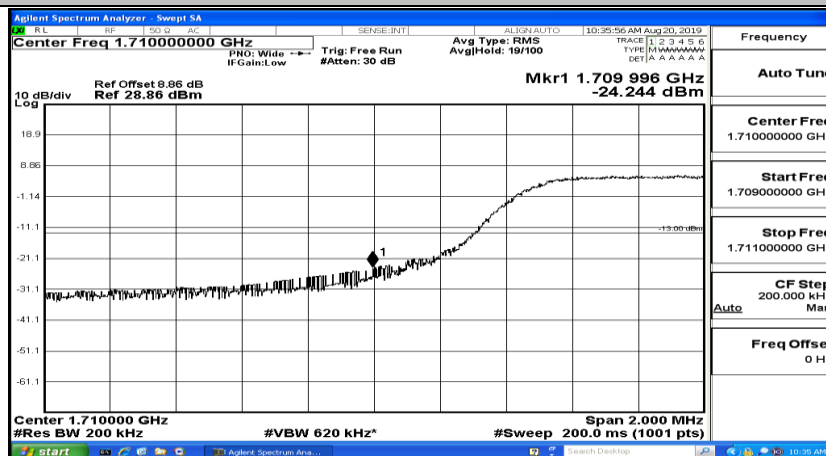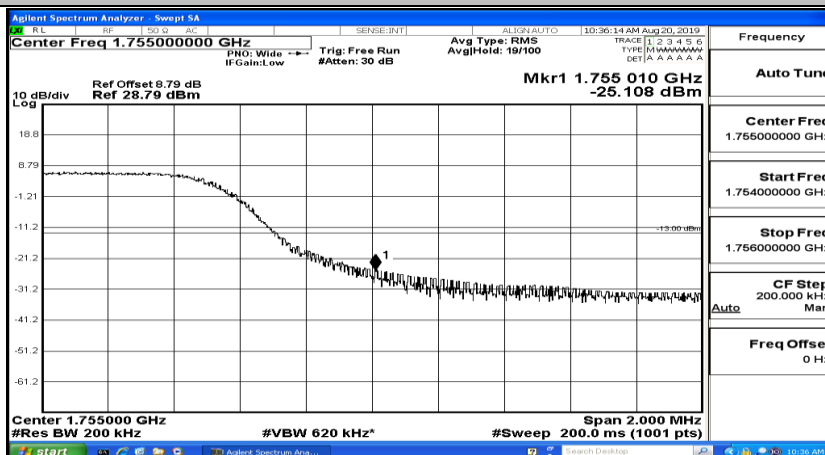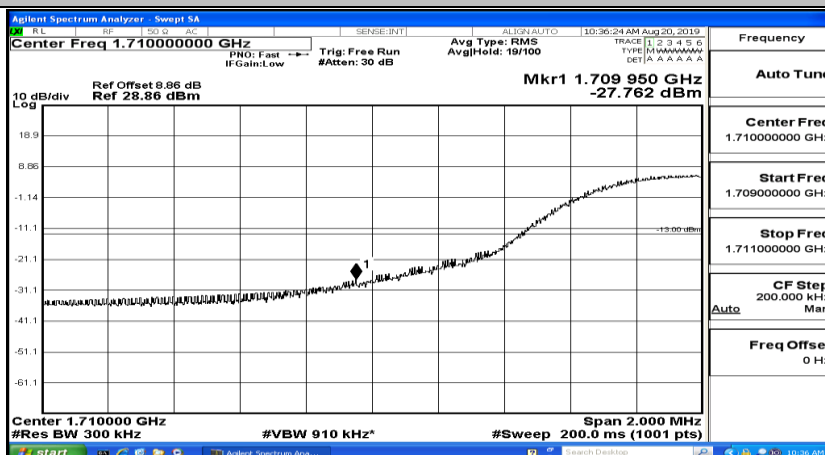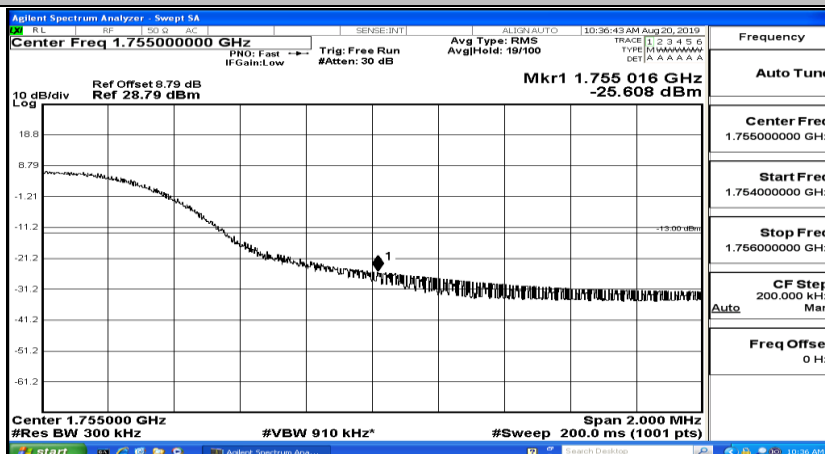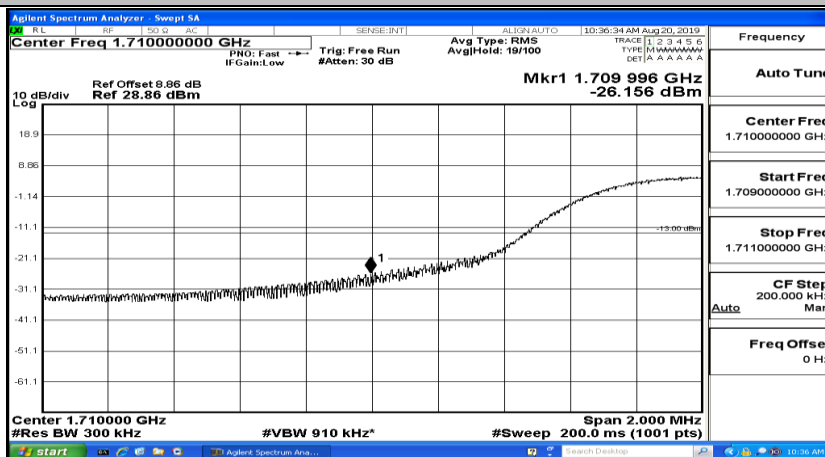Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM
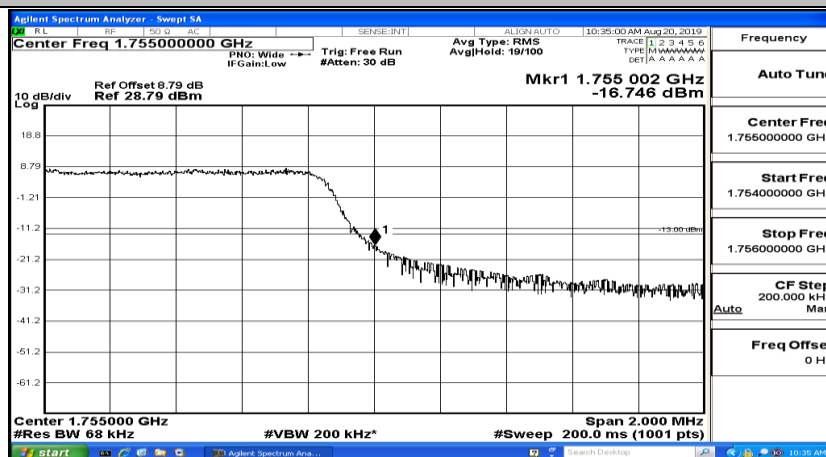


Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK
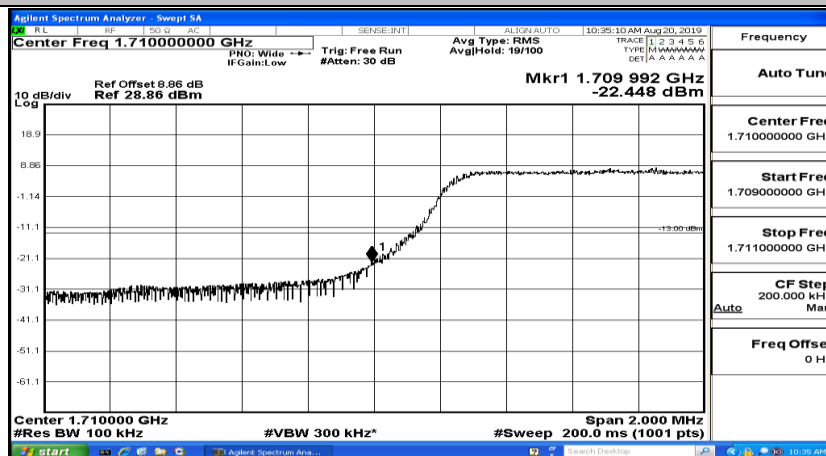
## Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK
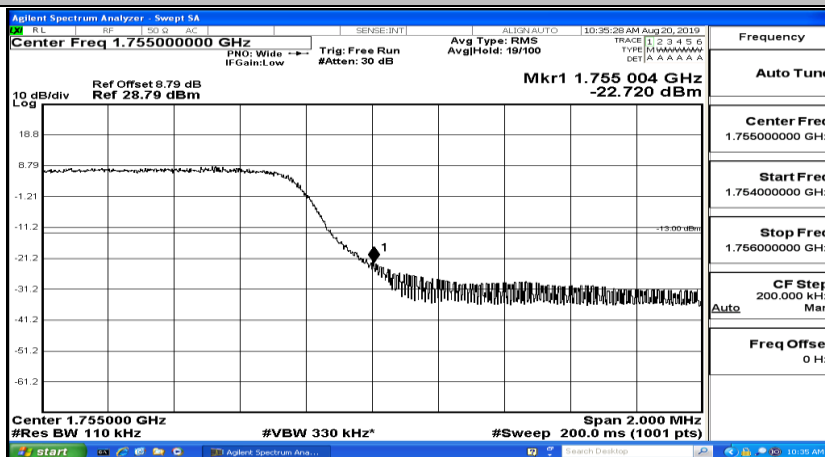


## Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM
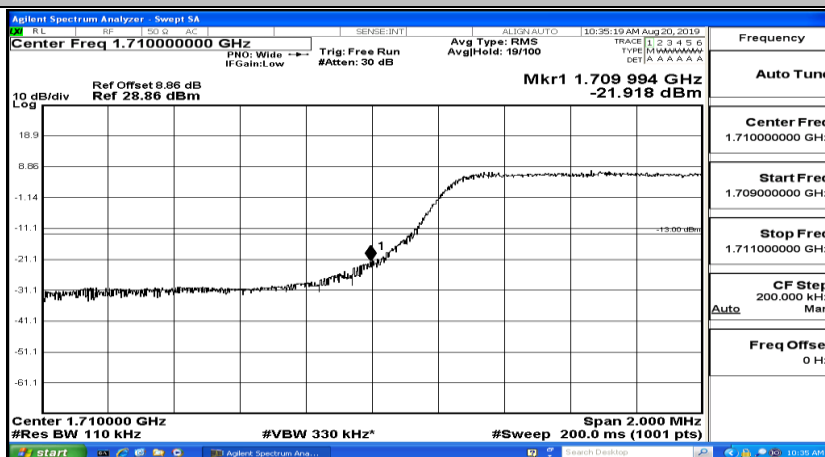


## Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM
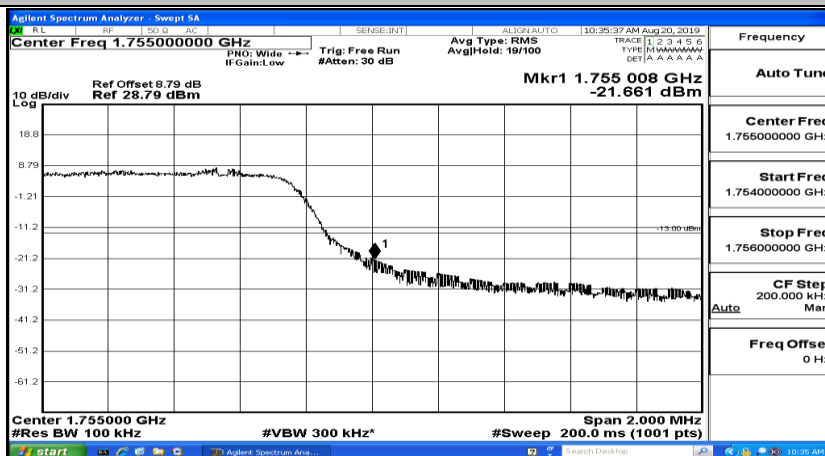
## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK
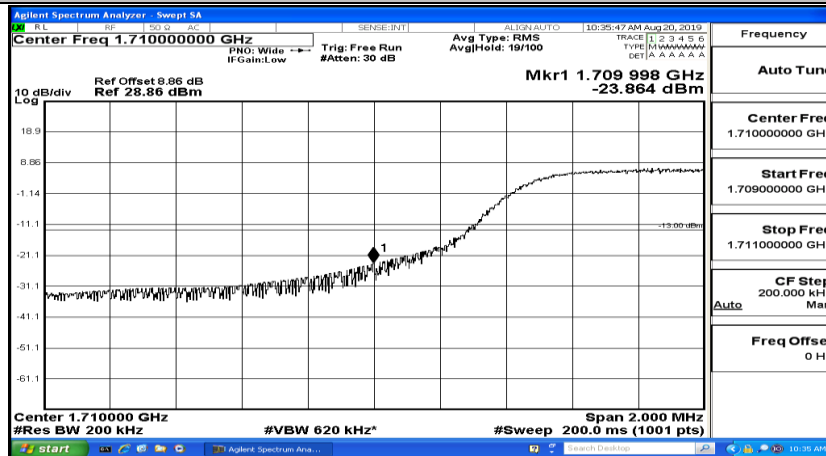


## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM

Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



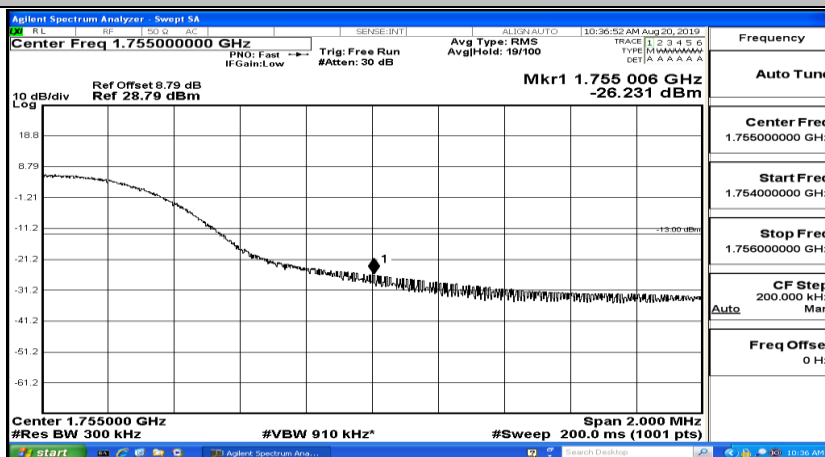Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



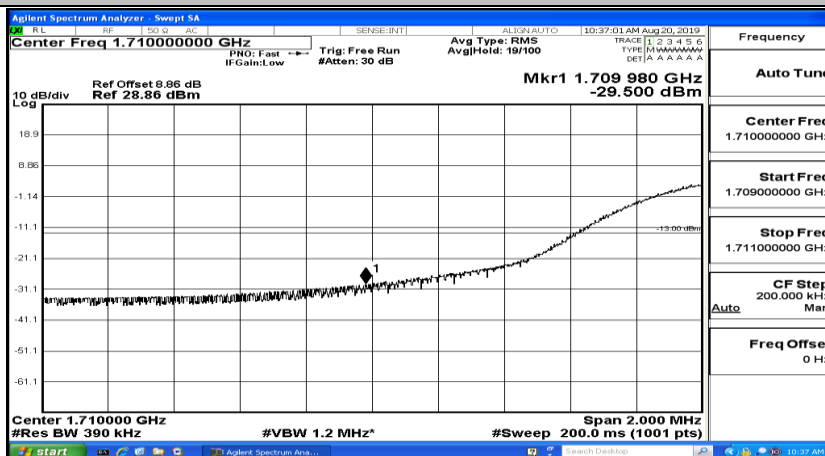Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK

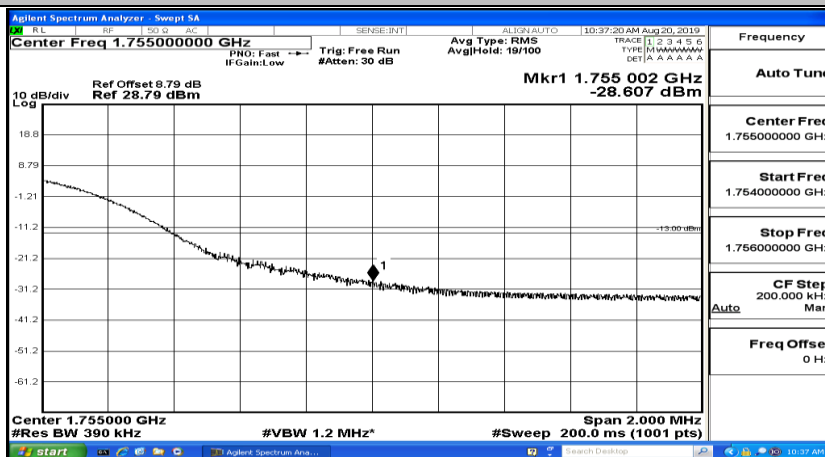| Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM |
|---|



| Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM |
|---|



| Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK |
|---|

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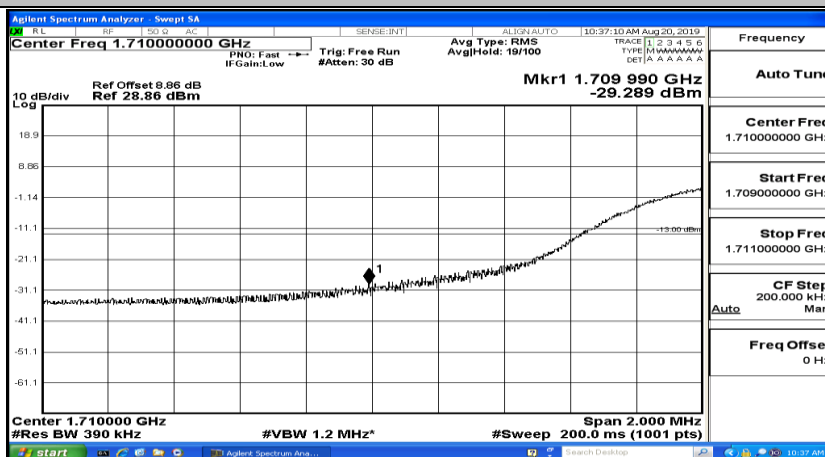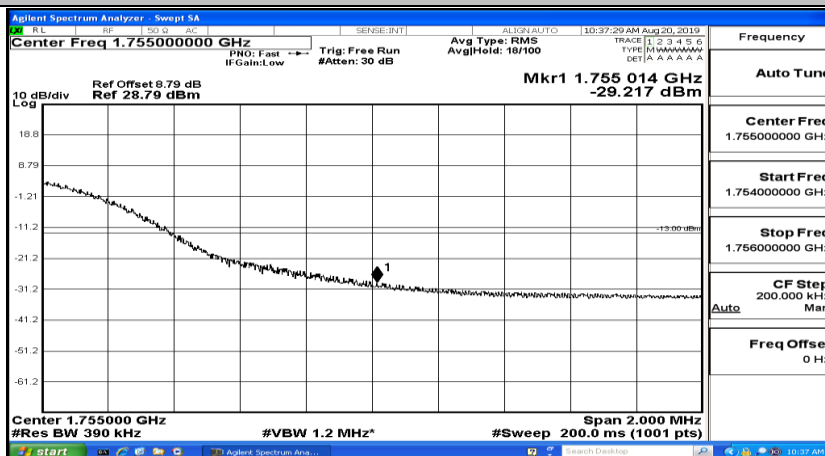
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## Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



## Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM
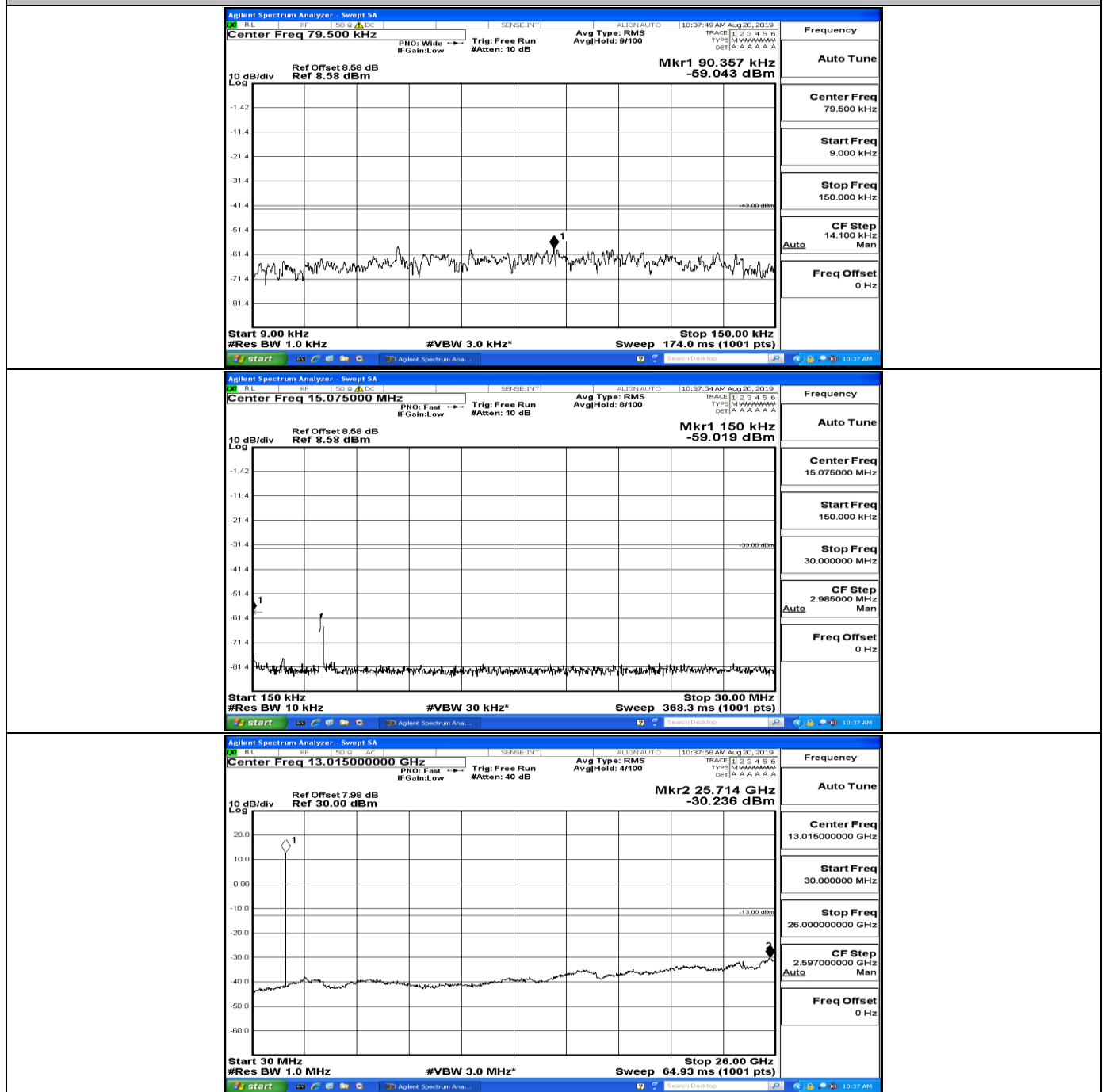


## Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM

## G.5 Conducted Spurious Emission

| CSE Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK |
|---|

## CSE Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK

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