

Appendix D: Test Data for E-UTRA Band 4

Product Name: Smart Phone

Trade Mark: Kalley

Test Model: BLACK PRO

Environmental Conditions

| | |
|--------------------|-------------|
| Temperature: | 24.6°C |
| Relative Humidity: | 54.6% |
| ATM Pressure: | 100.0 kPa |
| Test Engineer: | WANG CHUANG |
| Supervised by: | Jayden Zhuo |

D.1 Conducted Output Power

<SIM1>

| Conducted Output Power Test Result (Channel Bandwidth: 1.4 MHz) | | | | | | |
|---|---------|------------------|--------|---------------------|-------|---------|
| Modulation | Channel | RB Configuration | | Average Power [dBm] | | Verdict |
| | | Size | Offset | QPSK | 16QAM | |
| QPSK / 16QAM | LCH | 1 | 0 | 22.14 | 21.53 | PASS |
| | | 1 | 3 | 22.27 | 21.64 | PASS |
| | | 1 | 5 | 22.20 | 21.07 | PASS |
| | | 3 | 0 | 21.79 | 20.72 | PASS |
| | | 3 | 2 | 21.81 | 20.81 | PASS |
| | | 3 | 3 | 21.78 | 20.80 | PASS |
| | | 6 | 0 | 21.27 | 20.24 | PASS |
| | MCH | 1 | 0 | 21.64 | 20.96 | PASS |
| | | 1 | 3 | 21.78 | 21.07 | PASS |
| | | 1 | 5 | 21.58 | 20.82 | PASS |
| | | 3 | 0 | 21.72 | 20.73 | PASS |
| | | 3 | 2 | 21.73 | 20.76 | PASS |
| | | 3 | 3 | 21.74 | 20.74 | PASS |
| | | 6 | 0 | 21.15 | 20.30 | PASS |
| | HCH | 1 | 0 | 21.80 | 21.00 | PASS |
| | | 1 | 3 | 22.03 | 21.24 | PASS |
| | | 1 | 5 | 21.87 | 21.07 | PASS |
| | | 3 | 0 | 21.90 | 21.02 | PASS |
| | | 3 | 2 | 21.99 | 21.04 | PASS |
| | | 3 | 3 | 21.97 | 21.02 | PASS |
| | | 6 | 0 | 21.46 | 20.45 | 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 | 22.15 | 21.46 | PASS |
| | | 1 | 7 | 22.43 | 21.70 | PASS |
| | | 1 | 14 | 22.23 | 21.51 | PASS |
| | | 8 | 0 | 21.21 | 20.27 | PASS |
| | | 8 | 4 | 21.26 | 20.32 | PASS |
| | | 8 | 7 | 21.23 | 20.31 | PASS |
| | | 15 | 0 | 21.18 | 20.22 | PASS |
| | MCH | 1 | 0 | 22.14 | 21.46 | PASS |
| | | 1 | 7 | 22.29 | 21.66 | PASS |
| | | 1 | 14 | 22.01 | 21.27 | PASS |
| | | 8 | 0 | 21.13 | 20.20 | PASS |
| | | 8 | 4 | 21.09 | 20.23 | PASS |
| | | 8 | 7 | 21.01 | 20.13 | PASS |
| | | 15 | 0 | 21.03 | 20.07 | PASS |
| | HCH | 1 | 0 | 22.23 | 21.61 | PASS |
| | | 1 | 7 | 22.52 | 21.91 | PASS |
| | | 1 | 14 | 22.36 | 21.77 | PASS |
| | | 8 | 0 | 21.32 | 20.31 | PASS |
| | | 8 | 4 | 21.38 | 20.38 | PASS |
| | | 8 | 7 | 21.37 | 20.40 | PASS |
| | | 15 | 0 | 21.27 | 20.35 | 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 | 22.11 | 21.50 | PASS |
| | | 1 | 12 | 22.38 | 21.80 | PASS |
| | | 1 | 24 | 22.25 | 21.64 | PASS |
| | | 12 | 0 | 21.21 | 20.37 | PASS |
| | | 12 | 6 | 21.29 | 20.45 | PASS |
| | | 12 | 13 | 21.35 | 20.53 | PASS |
| | | 25 | 0 | 21.27 | 20.37 | PASS |
| | MCH | 1 | 0 | 22.19 | 21.53 | PASS |
| | | 1 | 12 | 22.26 | 21.78 | PASS |
| | | 1 | 24 | 21.91 | 21.32 | PASS |
| | | 12 | 0 | 21.21 | 20.30 | PASS |
| | | 12 | 6 | 21.15 | 20.31 | PASS |
| | | 12 | 13 | 21.05 | 20.21 | PASS |
| | | 25 | 0 | 21.12 | 20.16 | PASS |
| | HCH | 1 | 0 | 22.08 | 21.10 | PASS |
| | | 1 | 12 | 22.54 | 21.49 | PASS |
| | | 1 | 24 | 22.33 | 21.32 | PASS |
| | | 12 | 0 | 21.17 | 20.14 | PASS |
| | | 12 | 6 | 21.32 | 20.37 | PASS |
| | | 12 | 13 | 21.35 | 20.42 | PASS |
| | | 25 | 0 | 21.27 | 20.34 | 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 | 22.18 | 21.45 | PASS |
| | | 1 | 24 | 22.50 | 21.78 | PASS |
| | | 1 | 49 | 22.53 | 21.82 | PASS |
| | | 25 | 0 | 21.27 | 20.31 | PASS |
| | | 25 | 12 | 21.41 | 20.45 | PASS |
| | | 25 | 25 | 21.72 | 20.77 | PASS |
| | | 50 | 0 | 21.49 | 20.54 | PASS |
| | MCH | 1 | 0 | 22.37 | 21.66 | PASS |
| | | 1 | 24 | 22.25 | 21.57 | PASS |
| | | 1 | 49 | 21.88 | 21.19 | PASS |
| | | 25 | 0 | 21.34 | 20.37 | PASS |
| | | 25 | 12 | 21.16 | 20.19 | PASS |
| | | 25 | 25 | 21.06 | 20.12 | PASS |
| | | 50 | 0 | 21.18 | 20.20 | PASS |
| | HCH | 1 | 0 | 21.86 | 21.28 | PASS |
| | | 1 | 24 | 22.26 | 21.68 | PASS |
| | | 1 | 49 | 22.35 | 21.71 | PASS |
| | | 25 | 0 | 20.98 | 20.03 | PASS |
| | | 25 | 12 | 21.17 | 20.23 | PASS |
| | | 25 | 25 | 21.45 | 20.49 | PASS |
| | | 50 | 0 | 21.24 | 20.28 | 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 | 22.03 | 21.34 | PASS |
| | | 1 | 37 | 22.68 | 21.96 | PASS |
| | | 1 | 74 | 22.52 | 21.76 | PASS |
| | | 37 | 0 | 21.26 | 20.27 | PASS |
| | | 37 | 18 | 21.56 | 20.52 | PASS |
| | | 37 | 38 | 21.68 | 20.66 | PASS |
| | | 75 | 0 | 21.54 | 20.51 | PASS |
| | MCH | 1 | 0 | 22.33 | 21.61 | PASS |
| | | 1 | 37 | 22.27 | 21.54 | PASS |
| | | 1 | 74 | 21.70 | 20.99 | PASS |
| | | 37 | 0 | 21.41 | 20.35 | PASS |
| | | 37 | 18 | 21.24 | 20.21 | PASS |
| | | 37 | 38 | 21.04 | 20.05 | PASS |
| | | 75 | 0 | 21.19 | 20.19 | PASS |
| | HCH | 1 | 0 | 21.73 | 21.03 | PASS |
| | | 1 | 37 | 22.14 | 21.49 | PASS |
| | | 1 | 74 | 22.29 | 21.56 | PASS |
| | | 37 | 0 | 21.08 | 20.07 | PASS |
| | | 37 | 18 | 21.13 | 20.16 | PASS |
| | | 37 | 38 | 21.42 | 20.46 | PASS |
| | | 75 | 0 | 21.20 | 20.21 | PASS |

Conducted Output Power Test Result (Channel Bandwidth: 20 MHz)

| Modulation | Channel | RB Configuration | | Average Power [dBm] | | Verdict |
|-----------------|---------|------------------|--------|---------------------|-------|---------|
| | | Size | Offset | QPSK | 16QAM | |
| QPSK / 16QAM | LCH | 1 | 0 | 22.29 | 21.46 | PASS |
| | | 1 | 49 | 22.76 | 21.91 | PASS |
| | | 1 | 99 | 22.54 | 21.73 | PASS |
| | | 50 | 0 | 21.44 | 20.44 | PASS |
| | | 50 | 25 | 21.88 | 20.87 | PASS |
| | | 50 | 50 | 21.79 | 20.81 | PASS |
| | | 100 | 0 | 21.63 | 20.65 | PASS |
| | MCH | 1 | 0 | 22.60 | 21.76 | PASS |
| | | 1 | 49 | 22.69 | 21.87 | PASS |
| | | 1 | 99 | 21.87 | 21.10 | PASS |
| | | 50 | 0 | 21.73 | 20.72 | PASS |
| | | 50 | 25 | 21.44 | 20.51 | PASS |
| | | 50 | 50 | 21.05 | 20.08 | PASS |
| | | 100 | 0 | 21.43 | 20.44 | PASS |
| | HCH | 1 | 0 | 21.92 | 21.32 | PASS |
| | | 1 | 49 | 22.36 | 21.74 | PASS |
| | | 1 | 99 | 22.37 | 21.70 | PASS |
| | | 50 | 0 | 21.24 | 20.33 | PASS |
| | | 50 | 25 | 21.26 | 20.34 | PASS |
| | | 50 | 50 | 21.64 | 20.70 | PASS |
| | | 100 | 0 | 21.46 | 20.46 | PASS |

<SIM2>

| Conducted Output Power Test Result (Channel Bandwidth: 1.4 MHz) | | | | | | |
|---|---------|------------------|--------|---------------------|-------|---------|
| Modulation | Channel | RB Configuration | | Average Power [dBm] | | Verdict |
| | | Size | Offset | QPSK | 16QAM | |
| QPSK / 16QAM | LCH | 1 | 0 | 22.09 | 21.48 | PASS |
| | | 1 | 3 | 22.24 | 21.58 | PASS |
| | | 1 | 5 | 22.14 | 21.04 | PASS |
| | | 3 | 0 | 21.73 | 20.67 | PASS |
| | | 3 | 2 | 21.76 | 20.78 | PASS |
| | | 3 | 3 | 21.74 | 20.75 | PASS |
| | | 6 | 0 | 21.22 | 20.19 | PASS |
| | MCH | 1 | 0 | 21.61 | 20.92 | PASS |
| | | 1 | 3 | 21.74 | 21.03 | PASS |
| | | 1 | 5 | 21.54 | 20.78 | PASS |
| | | 3 | 0 | 21.66 | 20.67 | PASS |
| | | 3 | 2 | 21.69 | 20.72 | PASS |
| | | 3 | 3 | 21.68 | 20.70 | PASS |
| | | 6 | 0 | 21.11 | 20.26 | PASS |
| | HCH | 1 | 0 | 21.75 | 20.94 | PASS |
| | | 1 | 3 | 21.97 | 21.19 | PASS |
| | | 1 | 5 | 21.83 | 21.03 | PASS |
| | | 3 | 0 | 21.85 | 20.98 | PASS |
| | | 3 | 2 | 21.94 | 20.99 | PASS |
| | | 3 | 3 | 21.91 | 20.96 | PASS |
| | | 6 | 0 | 21.42 | 20.39 | 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 | 22.09 | 21.42 | PASS |
| | | 1 | 7 | 22.38 | 21.66 | PASS |
| | | 1 | 14 | 22.20 | 21.46 | PASS |
| | | 8 | 0 | 21.16 | 20.23 | PASS |
| | | 8 | 4 | 21.20 | 20.26 | PASS |
| | | 8 | 7 | 21.18 | 20.27 | PASS |
| | | 15 | 0 | 21.13 | 20.19 | PASS |
| | MCH | 1 | 0 | 22.10 | 21.42 | PASS |
| | | 1 | 7 | 22.26 | 21.60 | PASS |
| | | 1 | 14 | 21.95 | 21.23 | PASS |
| | | 8 | 0 | 21.07 | 20.17 | PASS |
| | | 8 | 4 | 21.05 | 20.17 | PASS |
| | | 8 | 7 | 21.07 | 20.19 | PASS |
| | | 15 | 0 | 21.09 | 20.14 | PASS |
| | HCH | 1 | 0 | 22.19 | 21.55 | PASS |
| | | 1 | 7 | 22.47 | 21.86 | PASS |
| | | 1 | 14 | 22.30 | 21.74 | PASS |
| | | 8 | 0 | 21.26 | 20.25 | PASS |
| | | 8 | 4 | 21.33 | 20.33 | PASS |
| | | 8 | 7 | 21.32 | 20.37 | PASS |
| | | 15 | 0 | 21.22 | 20.31 | 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 | 22.07 | 21.45 | PASS |
| | | 1 | 12 | 22.34 | 21.75 | PASS |
| | | 1 | 24 | 22.19 | 21.59 | PASS |
| | | 12 | 0 | 21.16 | 20.33 | PASS |
| | | 12 | 6 | 21.23 | 20.39 | PASS |
| | | 12 | 13 | 21.29 | 20.50 | PASS |
| | | 25 | 0 | 21.23 | 20.32 | PASS |
| | MCH | 1 | 0 | 22.15 | 21.49 | PASS |
| | | 1 | 12 | 22.20 | 21.73 | PASS |
| | | 1 | 24 | 21.86 | 21.28 | PASS |
| | | 12 | 0 | 21.17 | 20.26 | PASS |
| | | 12 | 6 | 21.09 | 20.28 | PASS |
| | | 12 | 13 | 21.01 | 20.17 | PASS |
| | | 25 | 0 | 21.08 | 20.11 | PASS |
| | HCH | 1 | 0 | 22.03 | 21.05 | PASS |
| | | 1 | 12 | 22.51 | 21.45 | PASS |
| | | 1 | 24 | 22.29 | 21.26 | PASS |
| | | 12 | 0 | 21.11 | 20.08 | PASS |
| | | 12 | 6 | 21.27 | 20.33 | PASS |
| | | 12 | 13 | 21.31 | 20.37 | PASS |
| | | 25 | 0 | 21.22 | 20.28 | 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 | 22.13 | 21.40 | PASS |
| | | 1 | 24 | 22.46 | 21.74 | PASS |
| | | 1 | 49 | 22.50 | 21.78 | PASS |
| | | 25 | 0 | 21.22 | 20.27 | PASS |
| | | 25 | 12 | 21.36 | 20.40 | PASS |
| | | 25 | 25 | 21.68 | 20.74 | PASS |
| | | 50 | 0 | 21.44 | 20.49 | PASS |
| | MCH | 1 | 0 | 22.31 | 21.63 | PASS |
| | | 1 | 24 | 22.21 | 21.54 | PASS |
| | | 1 | 49 | 21.84 | 21.14 | PASS |
| | | 25 | 0 | 21.31 | 20.33 | PASS |
| | | 25 | 12 | 21.12 | 20.16 | PASS |
| | | 25 | 25 | 21.02 | 20.07 | PASS |
| | | 50 | 0 | 21.14 | 20.15 | PASS |
| | HCH | 1 | 0 | 21.83 | 21.24 | PASS |
| | | 1 | 24 | 22.23 | 21.64 | PASS |
| | | 1 | 49 | 22.31 | 21.67 | PASS |
| | | 25 | 0 | 21.03 | 20.08 | PASS |
| | | 25 | 12 | 21.12 | 20.19 | PASS |
| | | 25 | 25 | 21.40 | 20.46 | PASS |
| | | 50 | 0 | 21.20 | 20.23 | 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 | 21.99 | 21.30 | PASS |
| | | 1 | 37 | 22.64 | 21.92 | PASS |
| | | 1 | 74 | 22.49 | 21.72 | PASS |
| | | 37 | 0 | 21.22 | 20.23 | PASS |
| | | 37 | 18 | 21.53 | 20.49 | PASS |
| | | 37 | 38 | 21.62 | 20.61 | PASS |
| | | 75 | 0 | 21.49 | 20.45 | PASS |
| | MCH | 1 | 0 | 22.28 | 21.56 | PASS |
| | | 1 | 37 | 22.21 | 21.48 | PASS |
| | | 1 | 74 | 21.67 | 20.94 | PASS |
| | | 37 | 0 | 21.37 | 20.31 | PASS |
| | | 37 | 18 | 21.21 | 20.17 | PASS |
| | | 37 | 38 | 21.05 | 20.06 | PASS |
| | | 75 | 0 | 21.16 | 20.16 | PASS |
| | HCH | 1 | 0 | 21.67 | 20.97 | PASS |
| | | 1 | 37 | 22.10 | 21.45 | PASS |
| | | 1 | 74 | 22.25 | 21.51 | PASS |
| | | 37 | 0 | 21.03 | 20.02 | PASS |
| | | 37 | 18 | 21.08 | 20.12 | PASS |
| | | 37 | 38 | 21.37 | 20.41 | PASS |
| | | 75 | 0 | 21.15 | 20.16 | 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 | 22.26 | 21.41 | PASS |
| | | 1 | 49 | 22.72 | 21.86 | PASS |
| | | 1 | 99 | 22.50 | 21.69 | PASS |
| | | 50 | 0 | 21.38 | 20.40 | PASS |
| | | 50 | 25 | 21.85 | 20.83 | PASS |
| | | 50 | 50 | 21.75 | 20.76 | PASS |
| | | 100 | 0 | 21.59 | 20.60 | PASS |
| | MCH | 1 | 0 | 22.57 | 21.72 | PASS |
| | | 1 | 49 | 22.65 | 21.82 | PASS |
| | | 1 | 99 | 21.84 | 21.06 | PASS |
| | | 50 | 0 | 21.69 | 20.67 | PASS |
| | | 50 | 25 | 21.38 | 20.47 | PASS |
| | | 50 | 50 | 21.03 | 20.06 | PASS |
| | | 100 | 0 | 21.39 | 20.39 | PASS |
| | HCH | 1 | 0 | 21.87 | 21.28 | PASS |
| | | 1 | 49 | 22.31 | 21.70 | PASS |
| | | 1 | 99 | 22.33 | 21.66 | PASS |
| | | 50 | 0 | 21.21 | 20.30 | PASS |
| | | 50 | 25 | 21.22 | 20.29 | PASS |
| | | 50 | 50 | 21.59 | 20.65 | PASS |
| | | 100 | 0 | 21.42 | 20.43 | PASS |

D.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 | 5.31 | <13 | PASS |
| | MCH | 5.4 | <13 | PASS |
| | HCH | 5.06 | <13 | PASS |
| 16QAM | LCH | 6.31 | <13 | PASS |
| | MCH | 6.3 | <13 | PASS |
| | HCH | 5.94 | <13 | PASS |

| Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz) | | | | |
|--|---------|----------------------------|------------|---------|
| Modulation | Channel | Peak-to-Average Ratio [dB] | Limit [dB] | Verdict |
| QPSK | LCH | 5.47 | <13 | PASS |
| | MCH | 5.48 | <13 | PASS |
| | HCH | 5.3 | <13 | PASS |
| 16QAM | LCH | 6.35 | <13 | PASS |
| | MCH | 6.34 | <13 | PASS |
| | HCH | 5.98 | <13 | PASS |

| Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz) | | | | |
|--|---------|----------------------------|------------|---------|
| Modulation | Channel | Peak-to-Average Ratio [dB] | Limit [dB] | Verdict |
| QPSK | LCH | 5.48 | <13 | PASS |
| | MCH | 5.61 | <13 | PASS |
| | HCH | 5.24 | <13 | PASS |
| 16QAM | LCH | 6.26 | <13 | PASS |
| | MCH | 6.35 | <13 | PASS |
| | HCH | 6.05 | <13 | PASS |

| Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz) | | | | |
|---|---------|----------------------------|------------|---------|
| Modulation | Channel | Peak-to-Average Ratio [dB] | Limit [dB] | Verdict |
| QPSK | LCH | 5.55 | <13 | PASS |
| | MCH | 5.58 | <13 | PASS |
| | HCH | 5.41 | <13 | PASS |
| 16QAM | LCH | 6.19 | <13 | PASS |
| | MCH | 6.27 | <13 | PASS |
| | HCH | 6.18 | <13 | PASS |

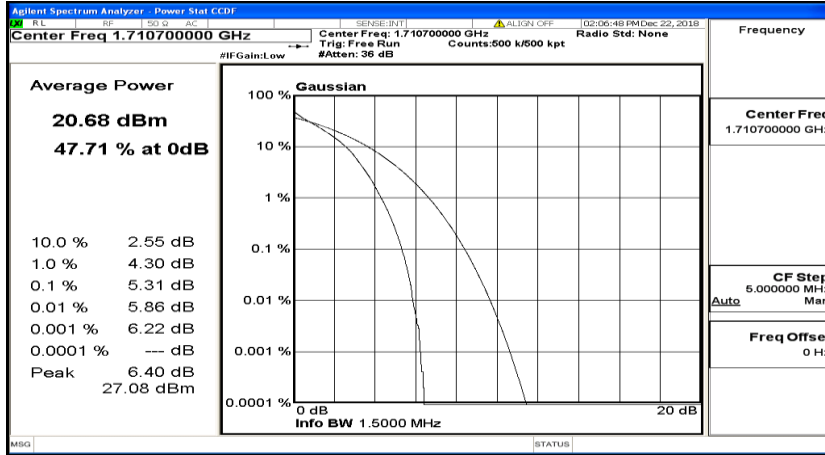
Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)

| Modulation | Channel | Peak-to-Average Ratio [dB] | Limit [dB] | Verdict |
|------------|---------|----------------------------|------------|---------|
| QPSK | LCH | 5.03 | <13 | PASS |
| | MCH | 4.93 | <13 | PASS |
| | HCH | 5.11 | <13 | PASS |
| 16QAM | LCH | 6.22 | <13 | PASS |
| | MCH | 6.23 | <13 | PASS |
| | HCH | 6.27 | <13 | PASS |

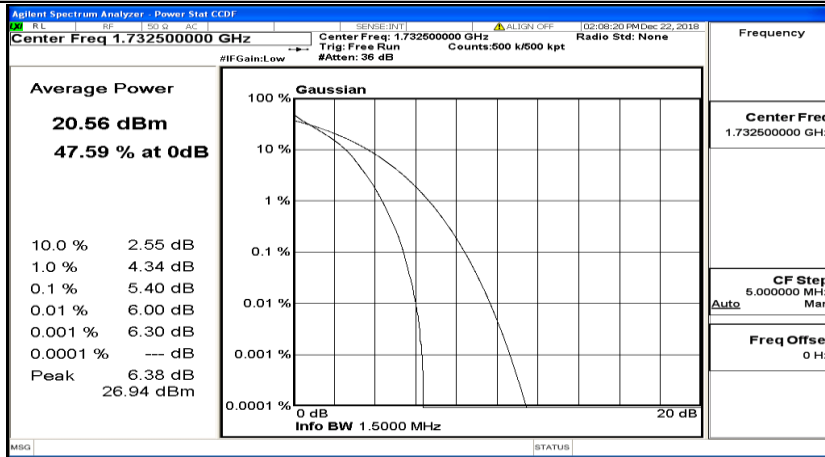
Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)

| Modulation | Channel | Peak-to-Average Ratio [dB] | Limit [dB] | Verdict |
|------------|---------|----------------------------|------------|---------|
| QPSK | LCH | 5.66 | <13 | PASS |
| | MCH | 5.69 | <13 | PASS |
| | HCH | 5.82 | <13 | PASS |
| 16QAM | LCH | 6.74 | <13 | PASS |
| | MCH | 6.76 | <13 | PASS |
| | HCH | 6.74 | <13 | PASS |

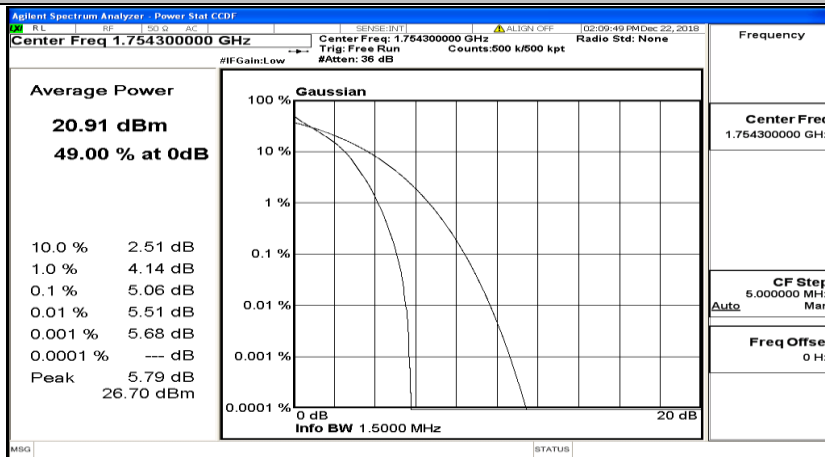
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



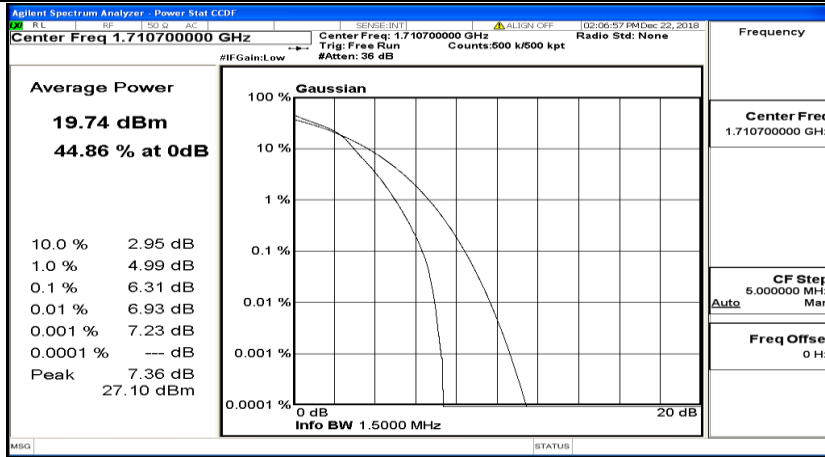
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



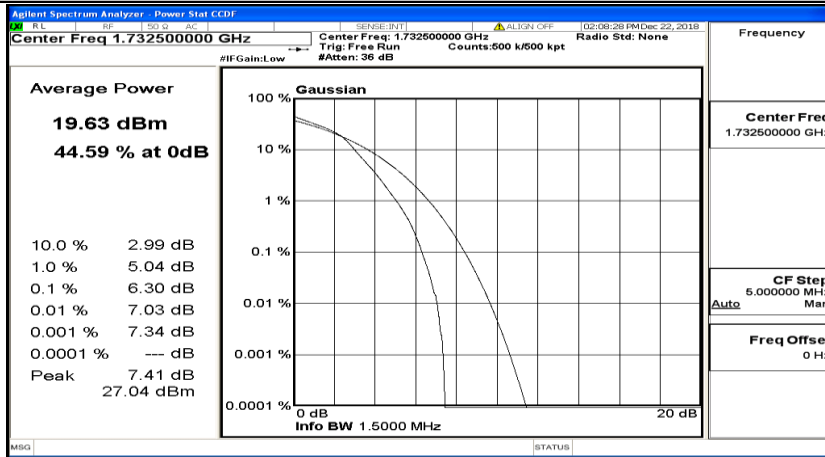
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



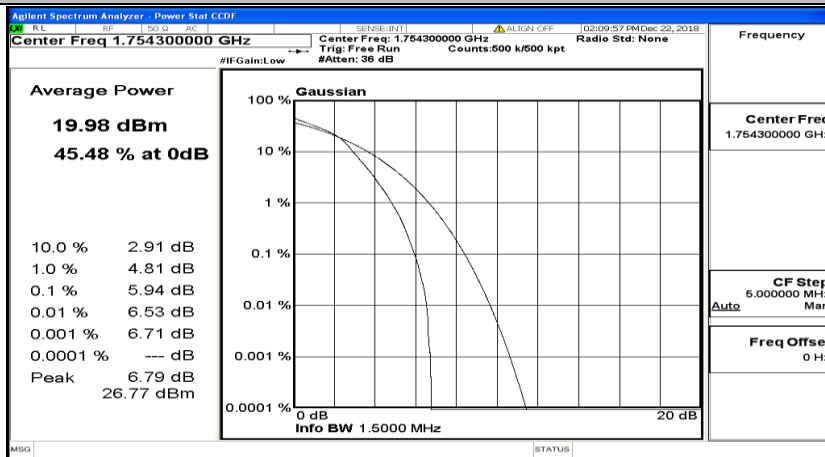
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



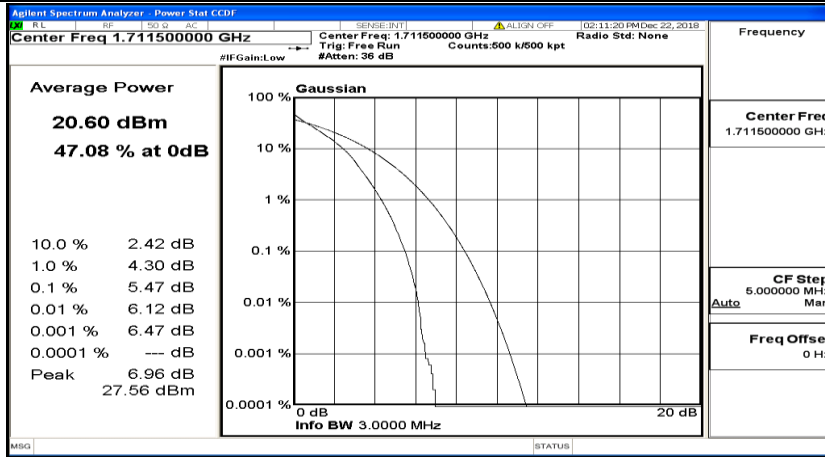
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



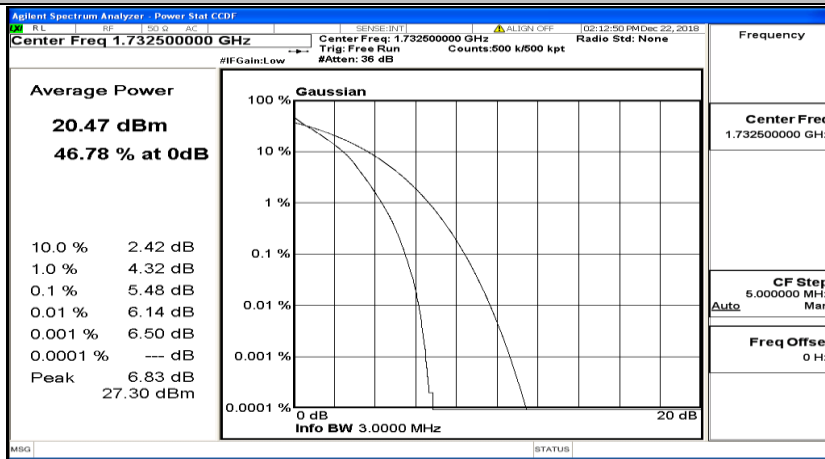
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



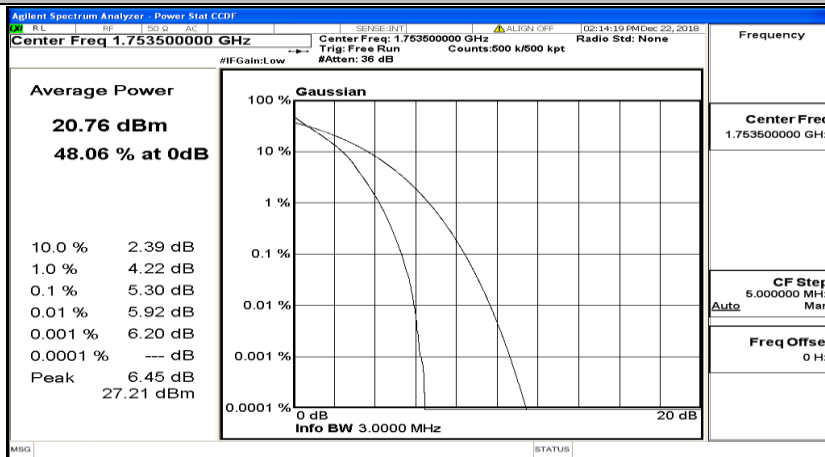
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



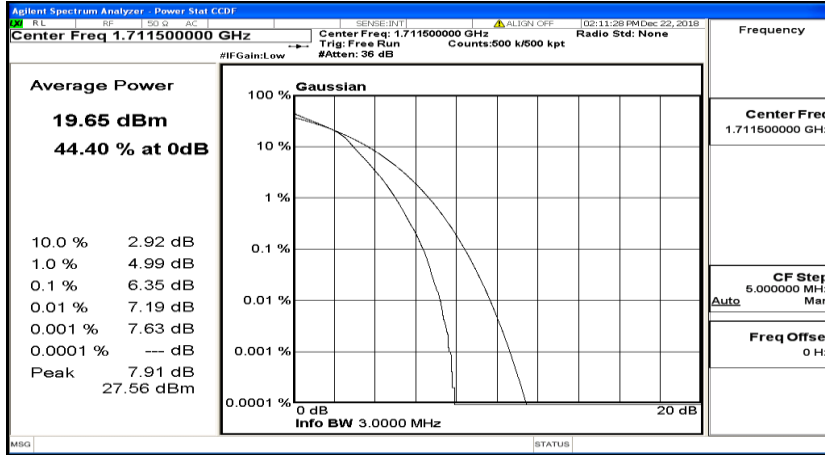
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



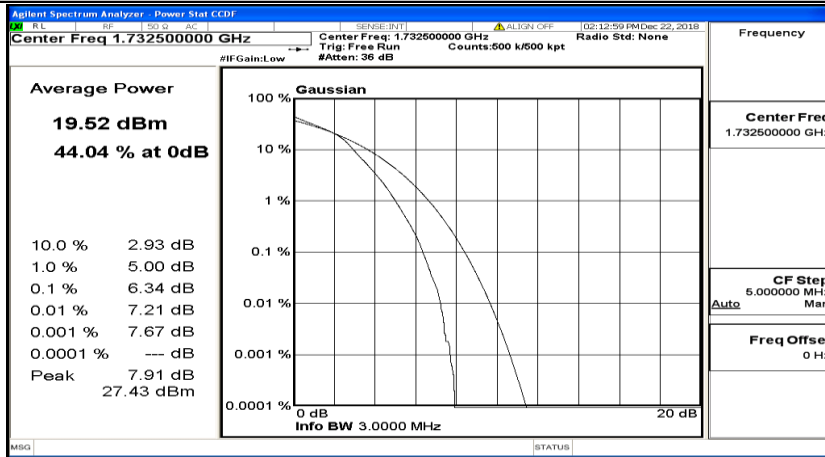
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



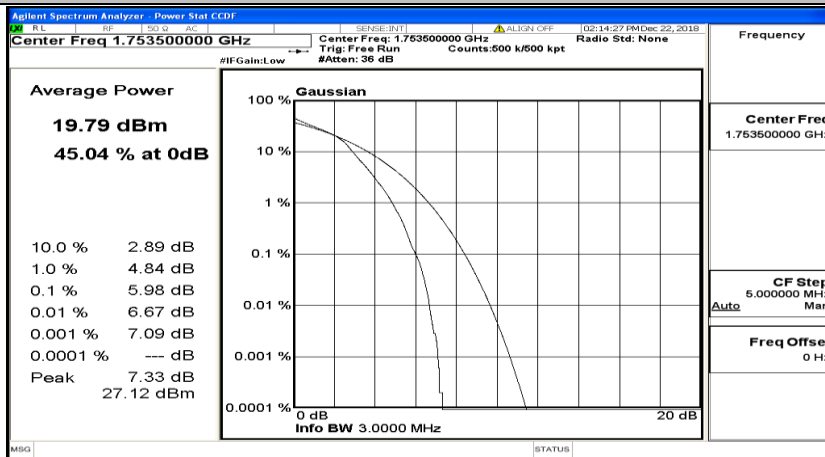
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



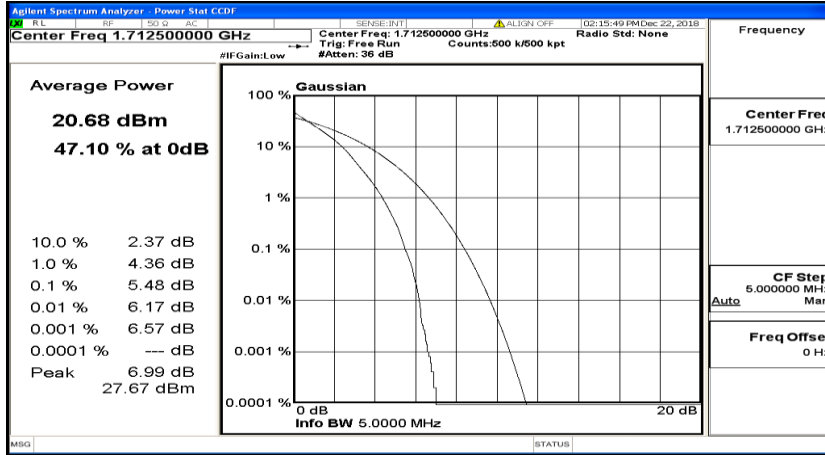
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



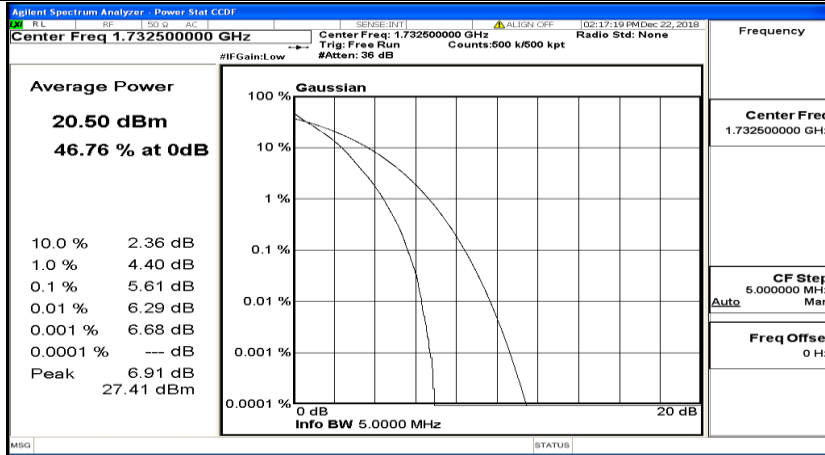
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



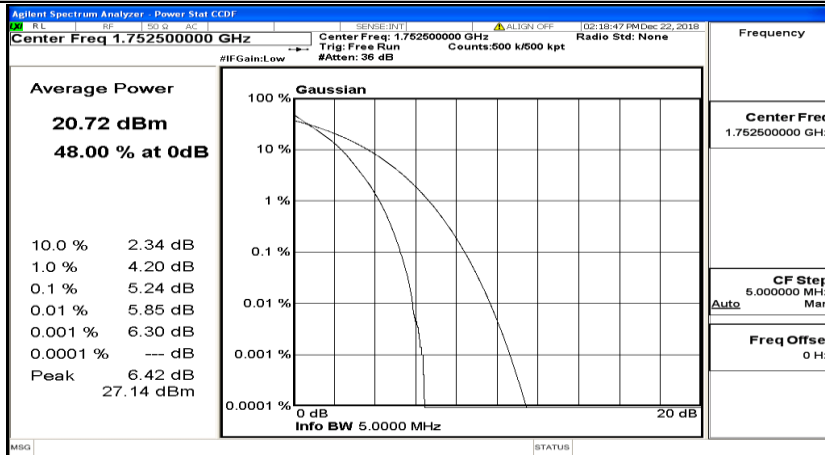
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



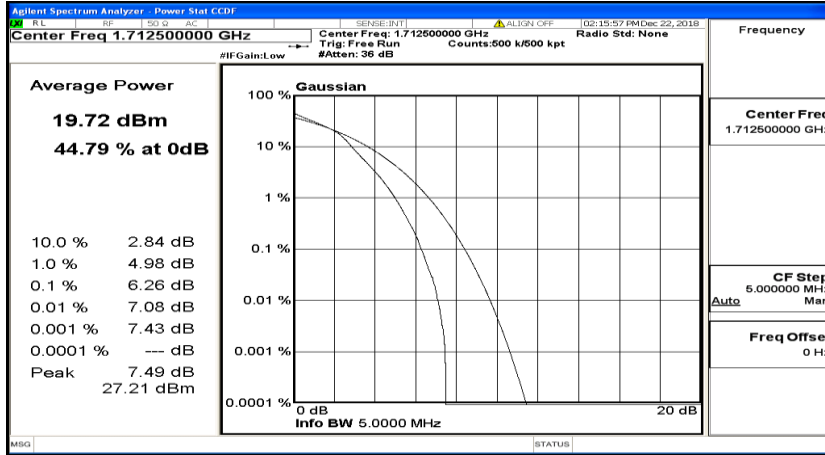
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



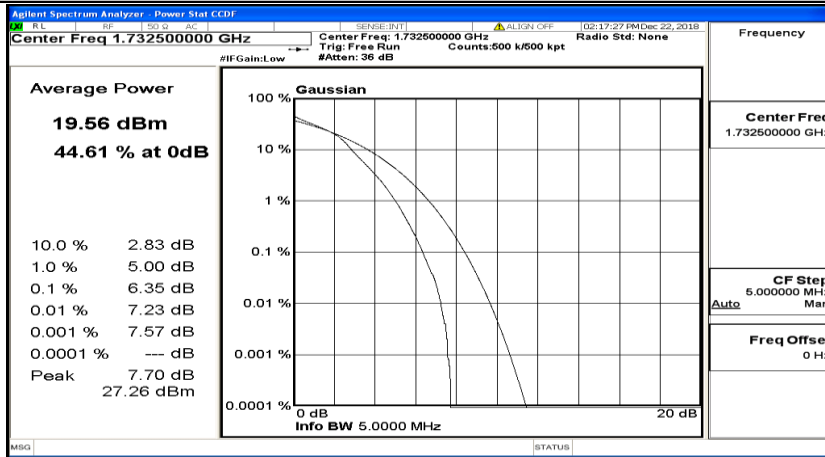
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



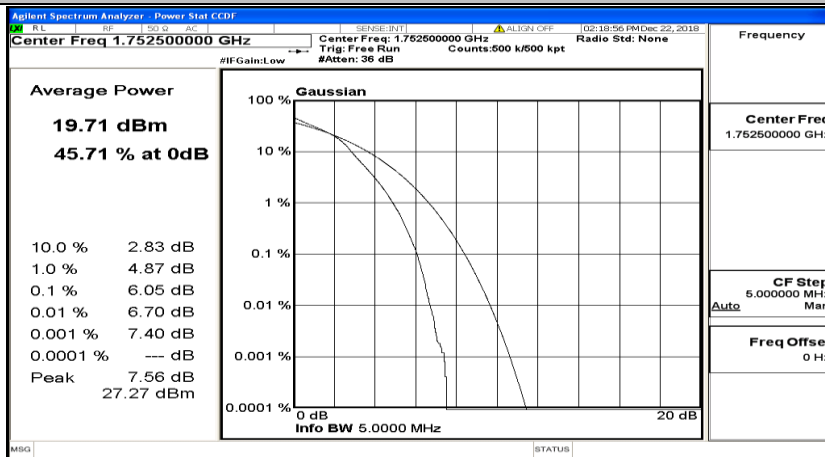
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



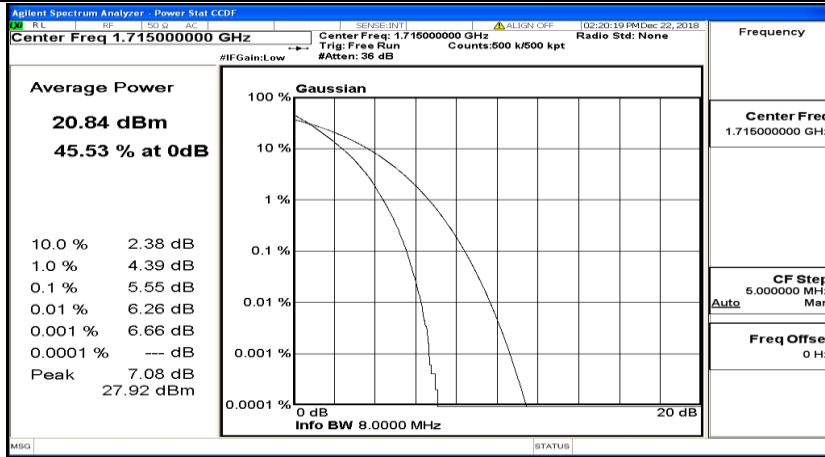
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



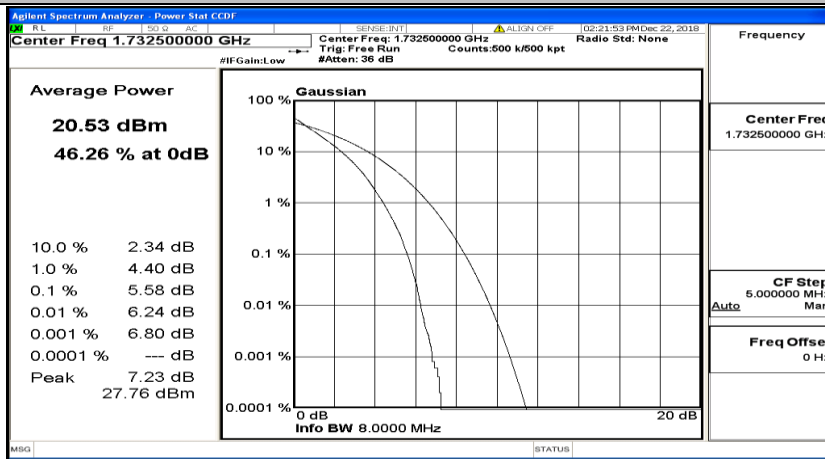
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



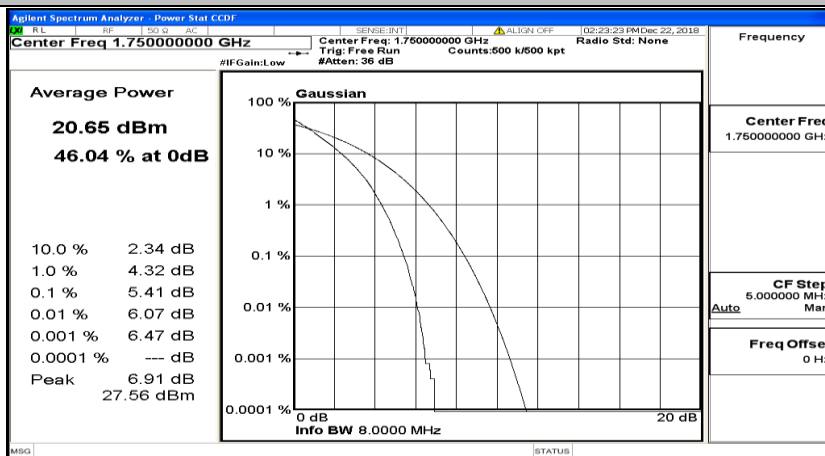
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz) LCH_QPSK



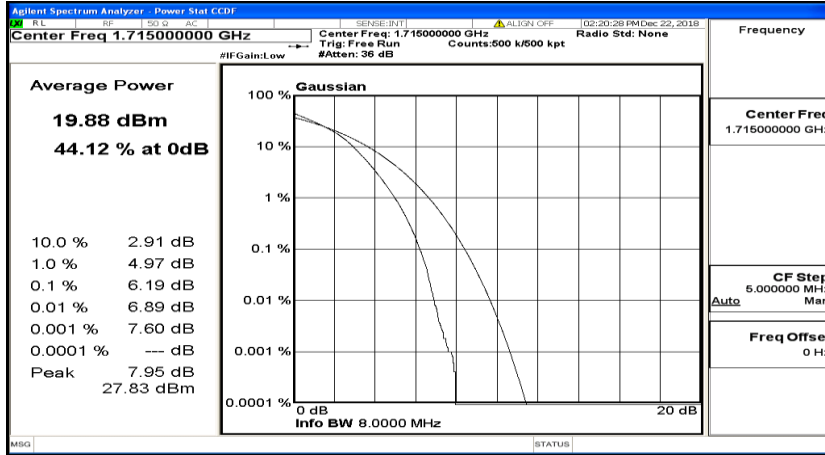
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz) MCH_QPSK



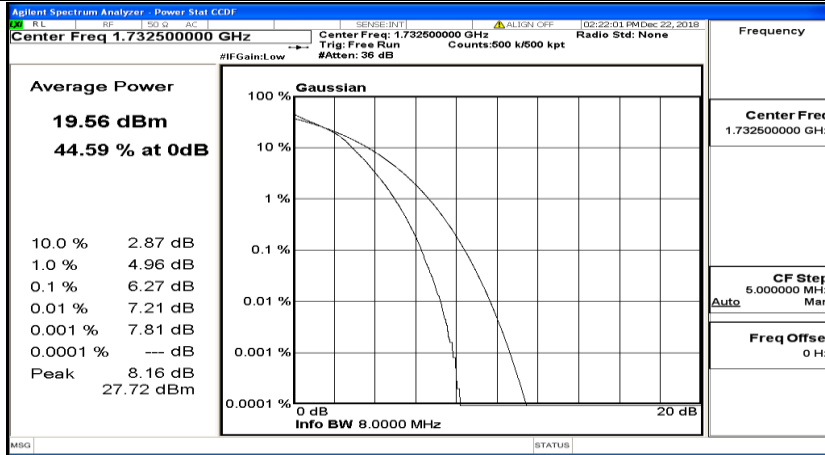
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz) HCH_QPSK



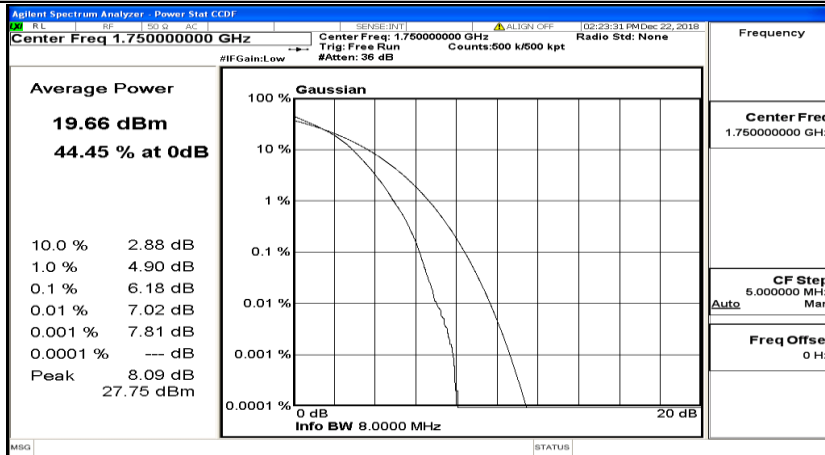
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



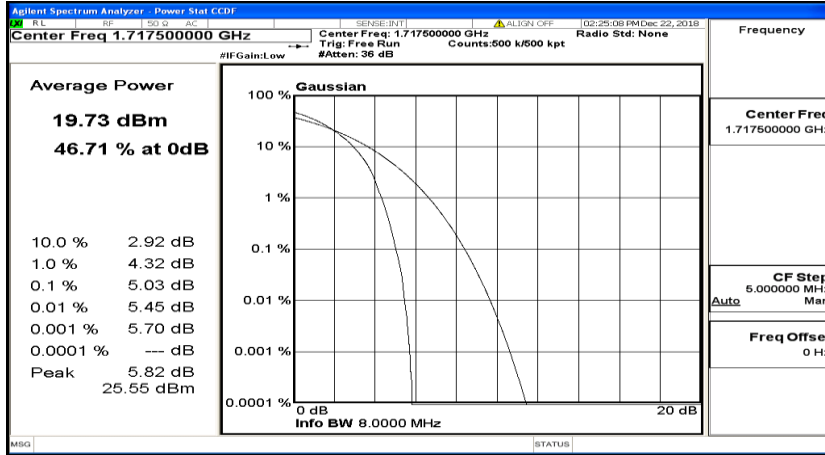
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



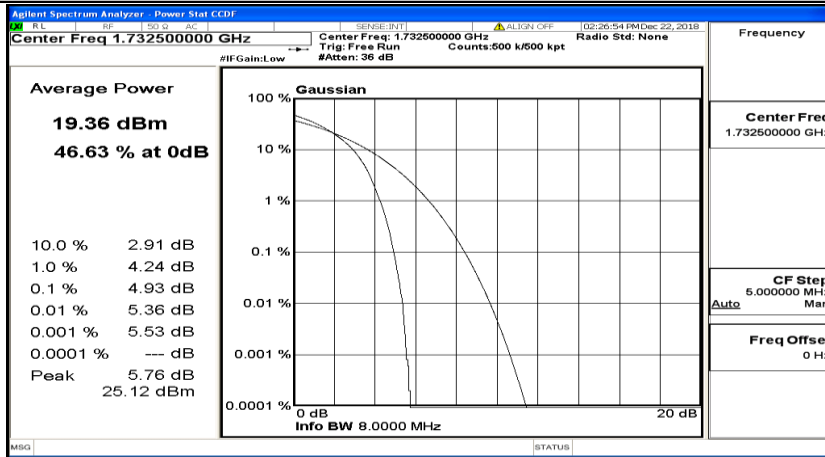
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



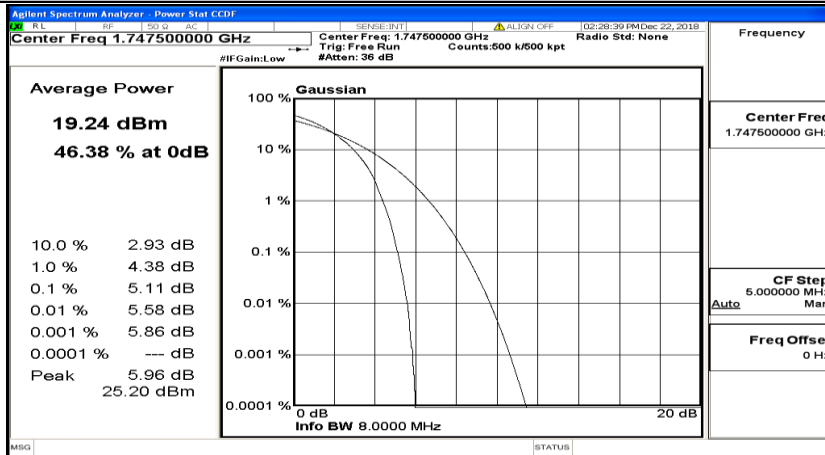
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz) LCH_QPSK



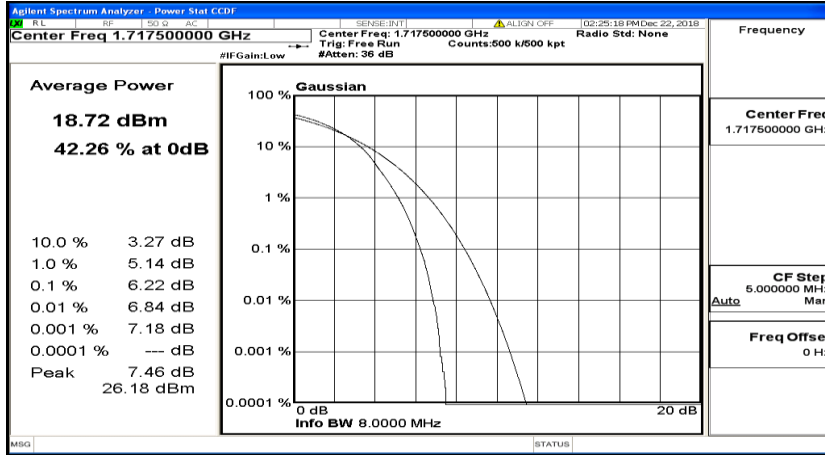
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz) MCH_QPSK



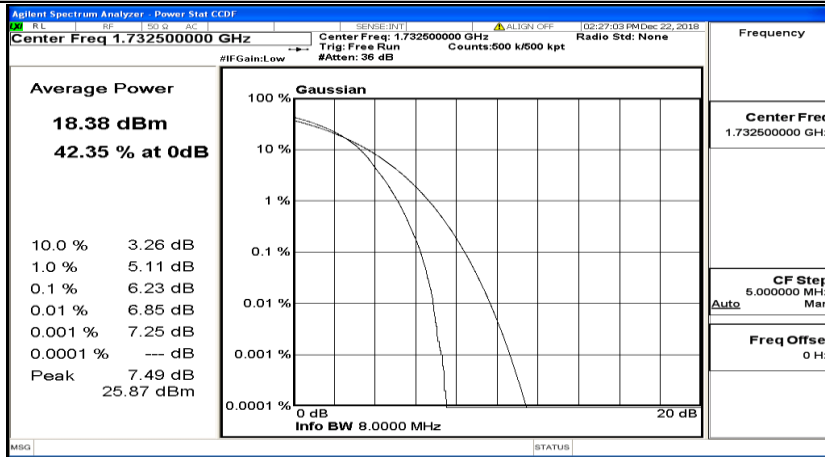
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz) HCH_QPSK



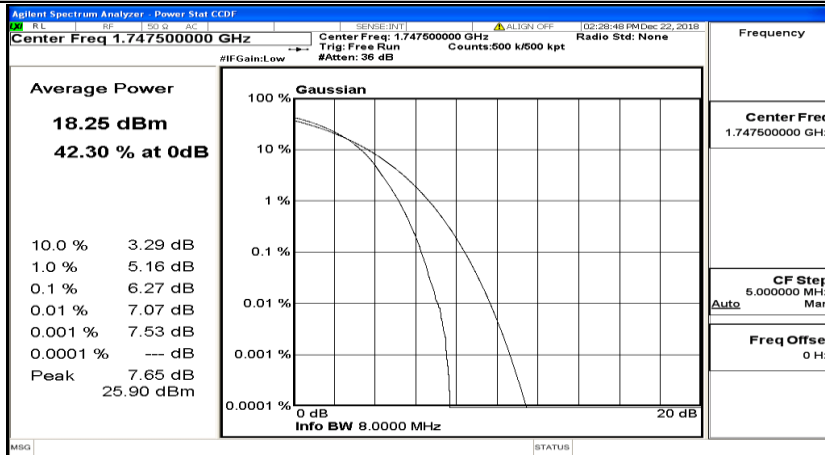
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



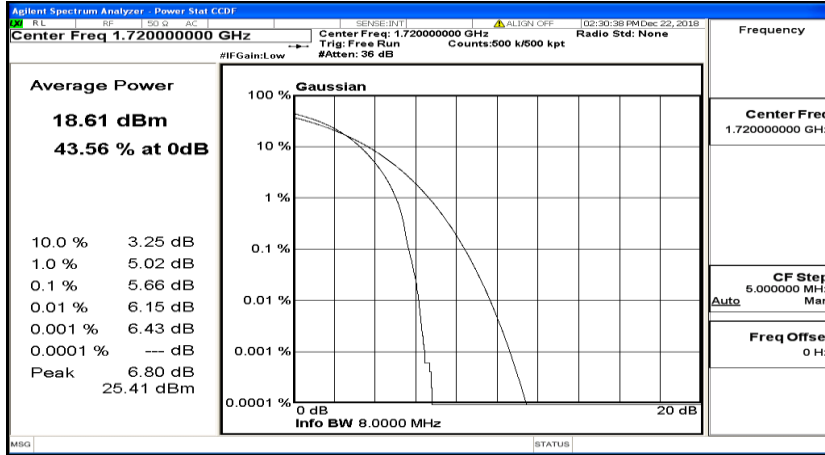
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM



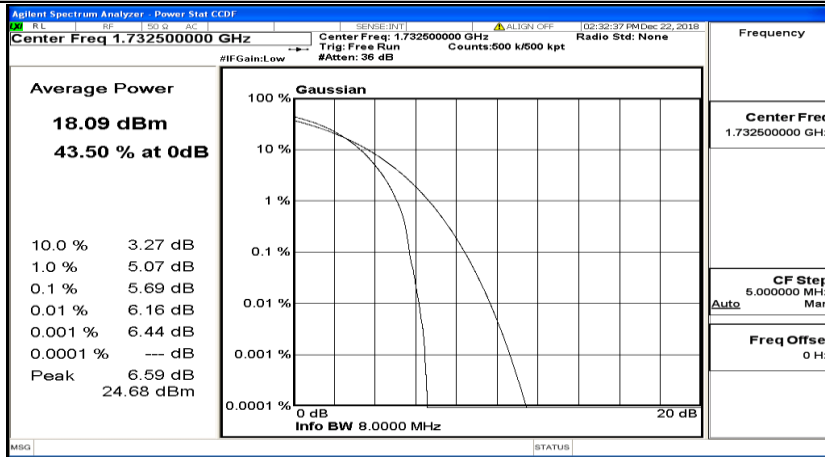
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



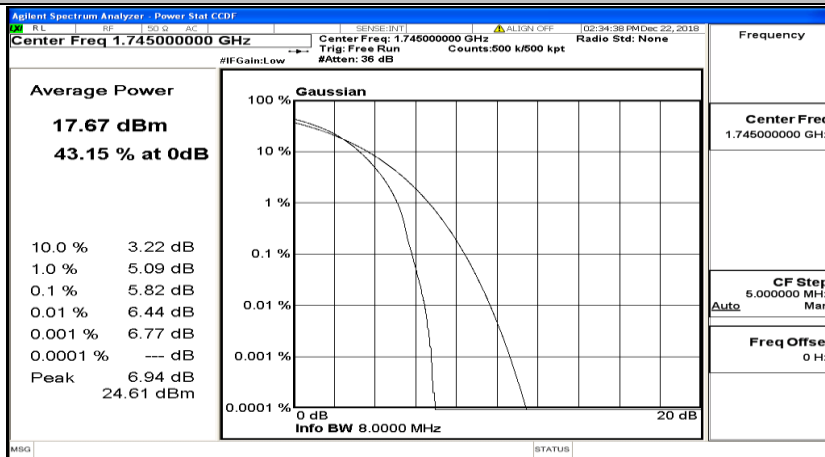
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz) LCH_QPSK



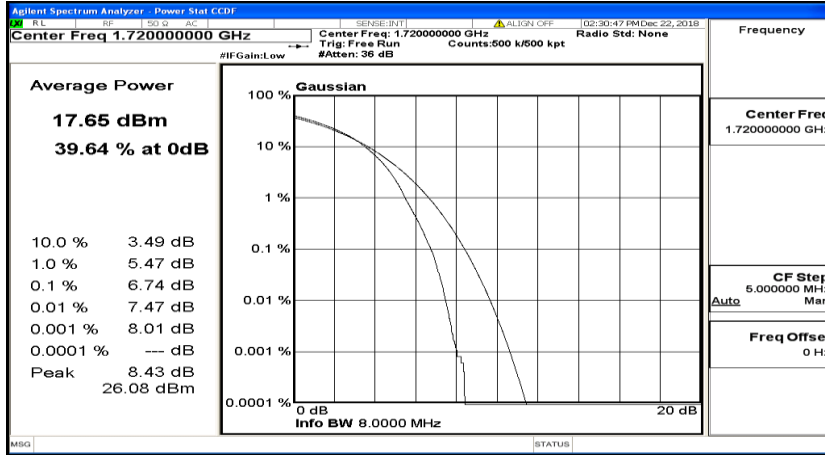
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz) MCH_QPSK



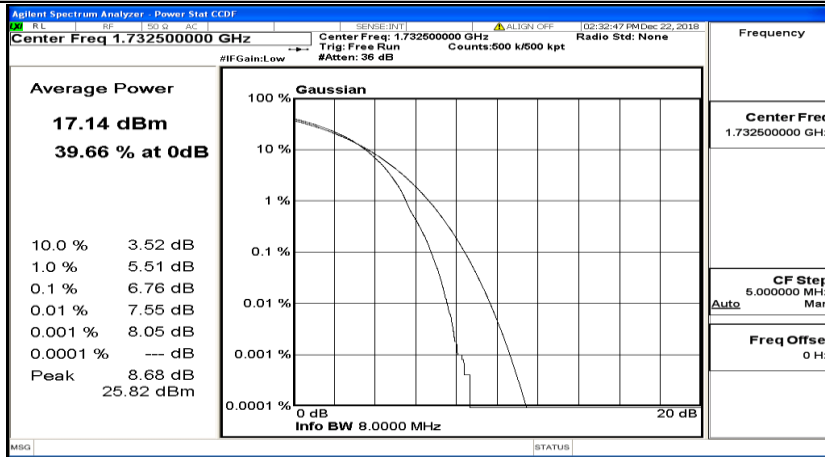
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz) HCH_QPSK



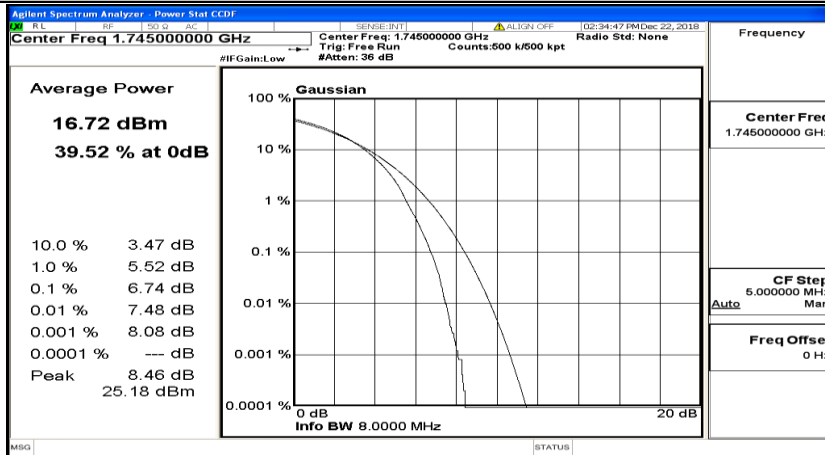
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM



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



D.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 | 1.0730 | 1.223 | PASS |
| | MCH | 1.0725 | 1.227 | PASS |
| | HCH | 1.0770 | 1.218 | PASS |
| 16QAM | LCH | 1.0797 | 1.236 | PASS |
| | MCH | 1.0785 | 1.240 | PASS |
| | HCH | 1.0750 | 1.220 | PASS |

| EBW & OBW Test Result (Channel Bandwidth: 3 MHz) | | | | |
|---|---------|--------------------------|----------------------|---------|
| Modulation | Channel | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
| QPSK | LCH | 2.6833 | 2.826 | PASS |
| | MCH | 2.6764 | 2.839 | PASS |
| | HCH | 2.6795 | 2.845 | PASS |
| 16QAM | LCH | 2.6769 | 2.826 | PASS |
| | MCH | 2.6788 | 2.850 | PASS |
| | HCH | 2.6832 | 2.831 | PASS |

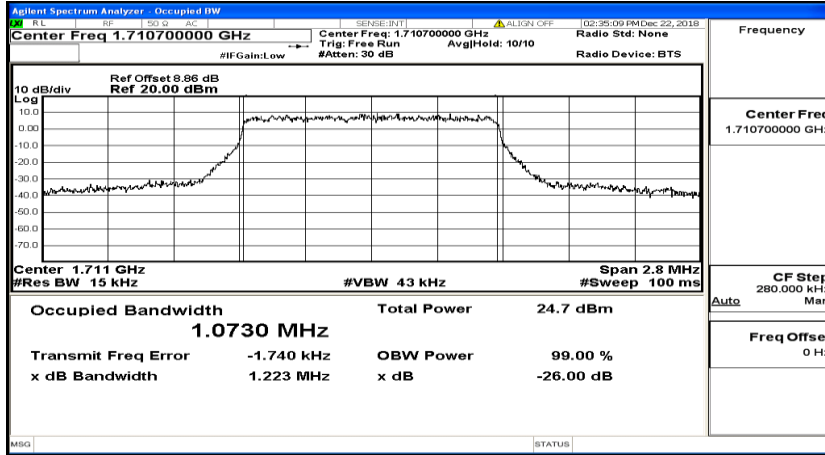
| EBW & OBW Test Result (Channel Bandwidth: 5 MHz) | | | | |
|---|---------|--------------------------|----------------------|---------|
| Modulation | Channel | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
| QPSK | LCH | 4.4739 | 4.735 | PASS |
| | MCH | 4.4688 | 4.698 | PASS |
| | HCH | 4.4679 | 4.756 | PASS |
| 16QAM | LCH | 4.4664 | 4.730 | PASS |
| | MCH | 4.4776 | 4.748 | PASS |
| | HCH | 4.4745 | 4.747 | PASS |

| EBW & OBW Test Result (Channel Bandwidth: 10 MHz) | | | | |
|--|---------|--------------------------|----------------------|---------|
| Modulation | Channel | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
| QPSK | LCH | 8.9545 | 9.370 | PASS |
| | MCH | 8.9412 | 9.392 | PASS |
| | HCH | 8.9293 | 9.352 | PASS |
| 16QAM | LCH | 8.9453 | 9.342 | PASS |
| | MCH | 8.9388 | 9.388 | PASS |
| | HCH | 8.9299 | 9.401 | PASS |

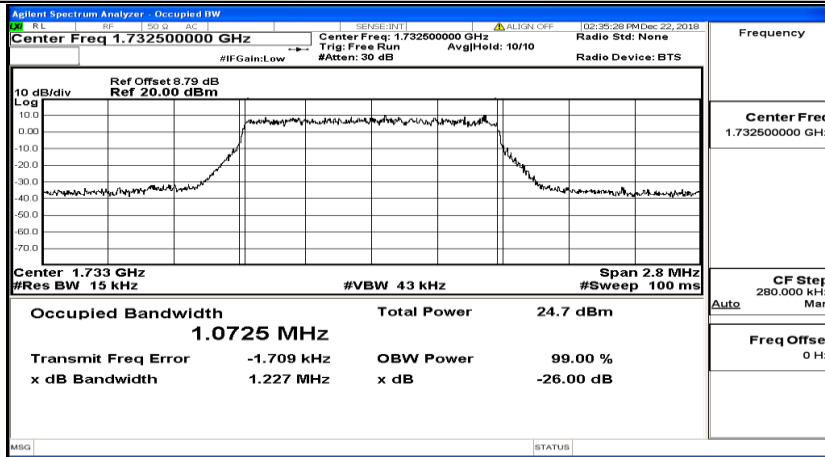
| EBW & OBW Test Result (Channel Bandwidth: 15 MHz) | | | | |
|--|---------|--------------------------|----------------------|---------|
| Modulation | Channel | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
| QPSK | LCH | 13.383 | 13.91 | PASS |
| | MCH | 13.395 | 13.97 | PASS |
| | HCH | 13.393 | 13.92 | PASS |
| 16QAM | LCH | 13.381 | 13.92 | PASS |
| | MCH | 13.394 | 13.95 | PASS |
| | HCH | 13.411 | 13.95 | PASS |

| EBW & OBW Test Result (Channel Bandwidth: 20 MHz) | | | | |
|--|---------|--------------------------|----------------------|---------|
| Modulation | Channel | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
| QPSK | LCH | 17.790 | 18.56 | PASS |
| | MCH | 17.844 | 18.56 | PASS |
| | HCH | 17.891 | 18.54 | PASS |
| 16QAM | LCH | 17.811 | 18.51 | PASS |
| | MCH | 17.844 | 18.58 | PASS |
| | HCH | 17.885 | 18.54 | PASS |

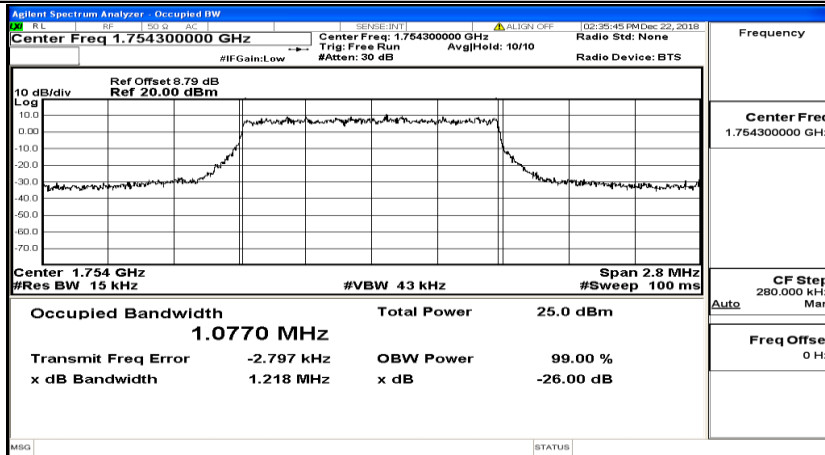
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



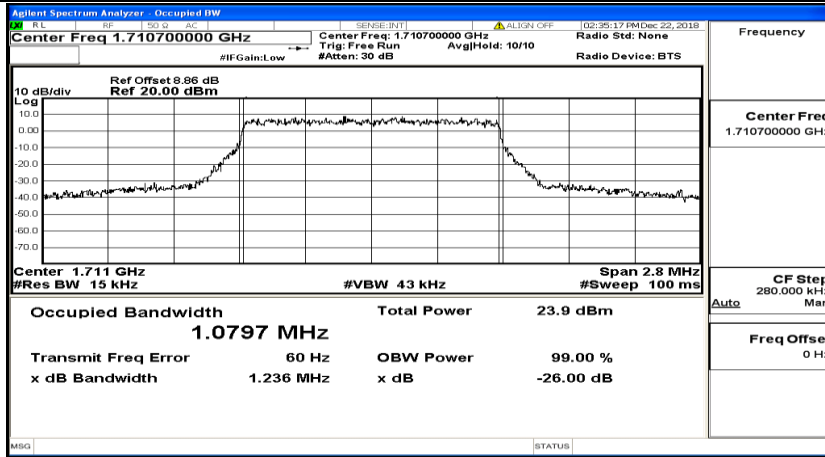
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



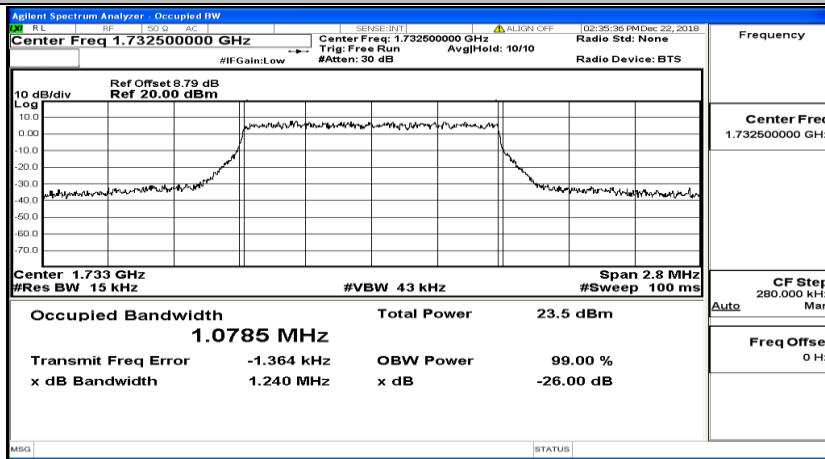
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



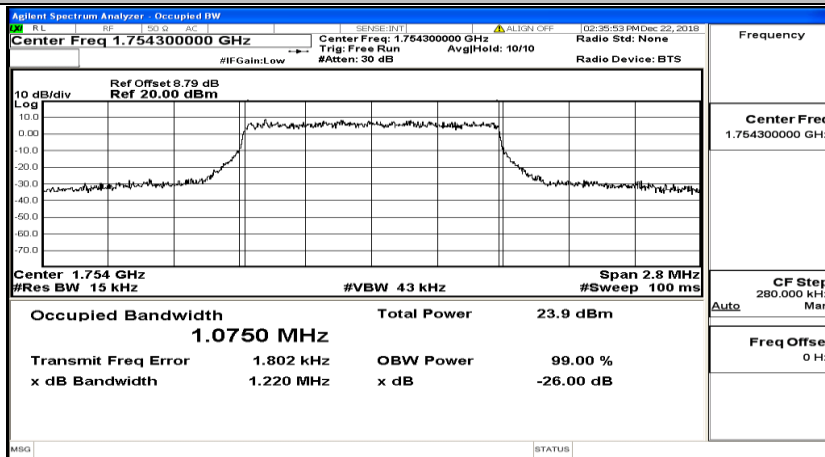
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



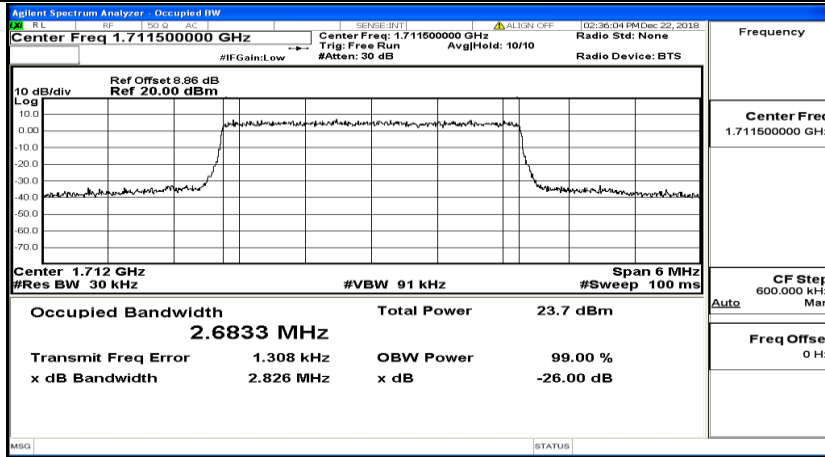
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



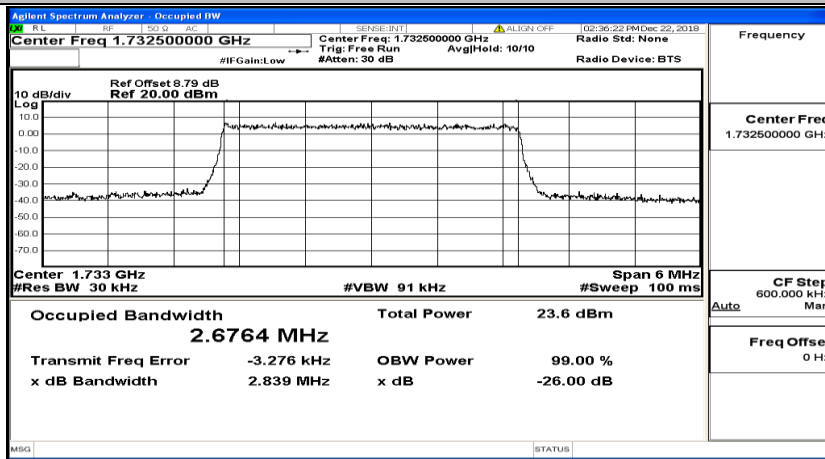
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



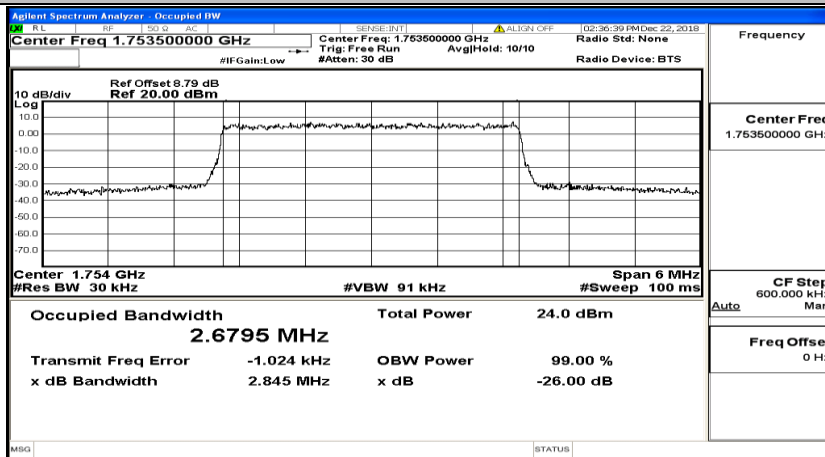
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



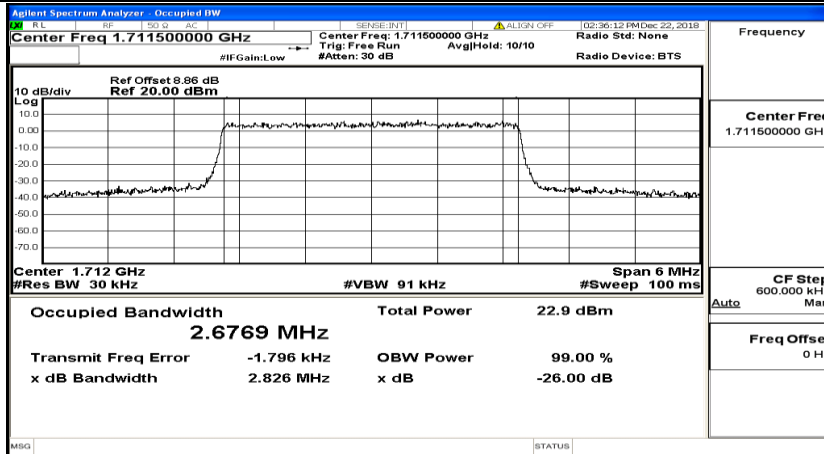
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



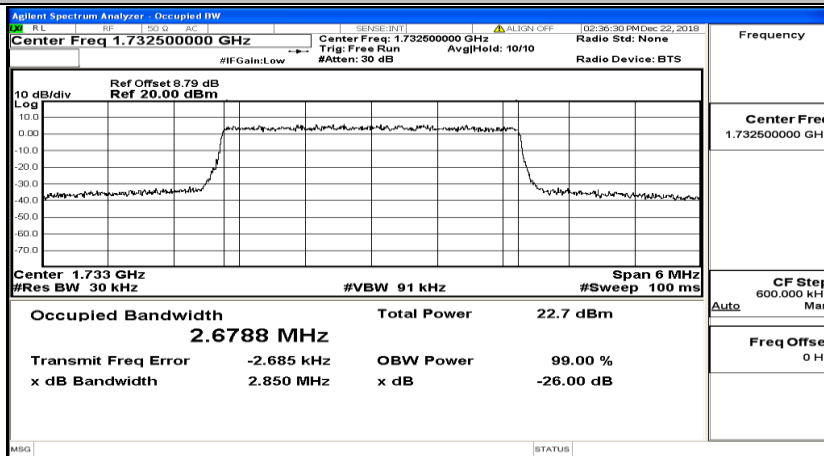
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



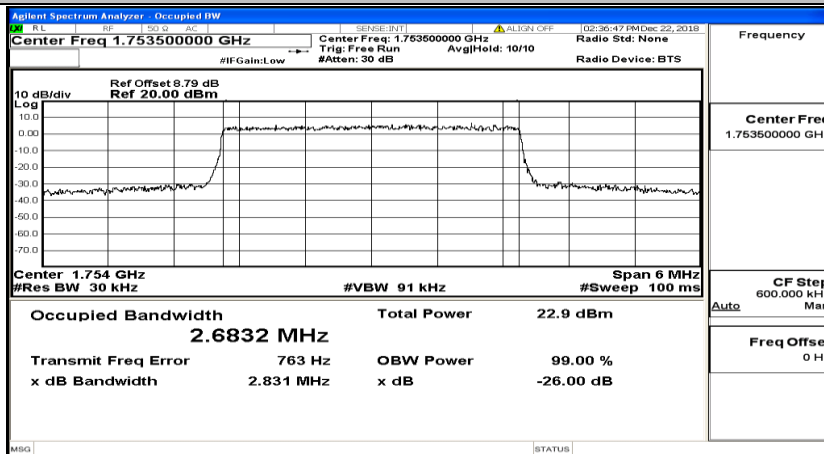
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



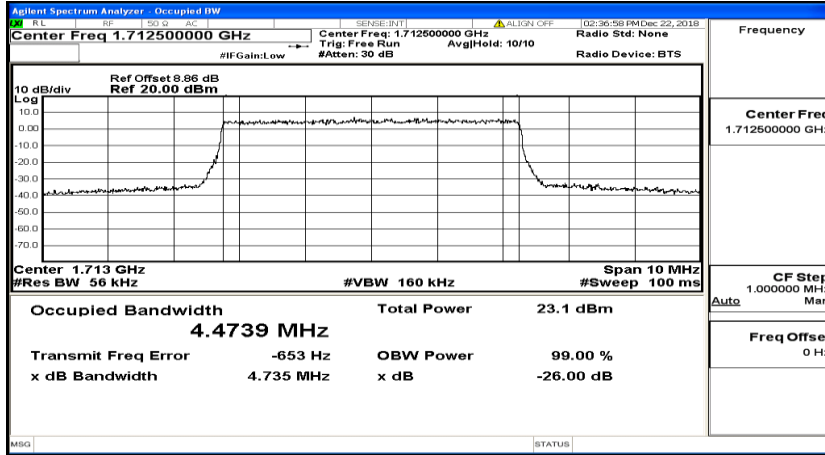
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



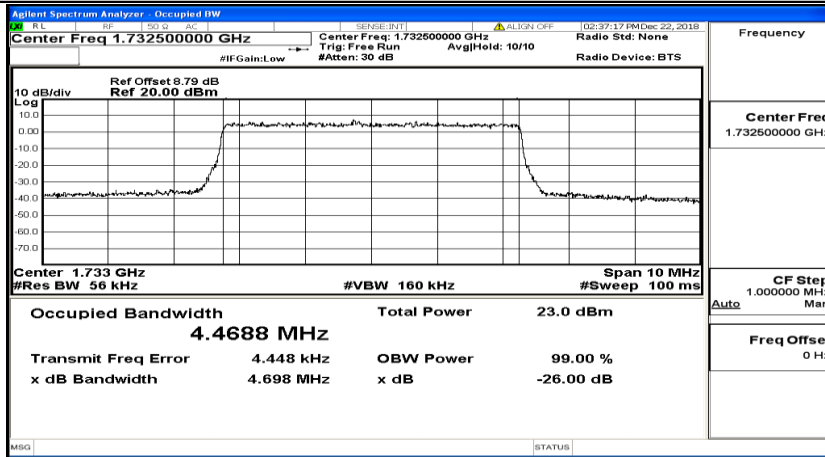
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



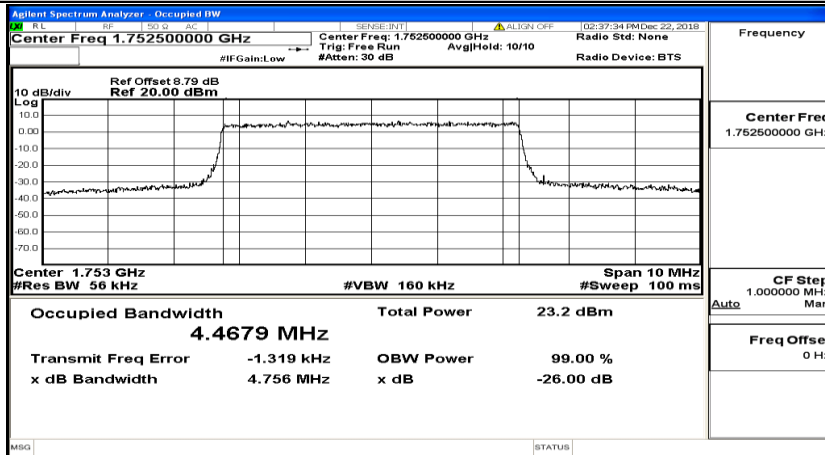
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



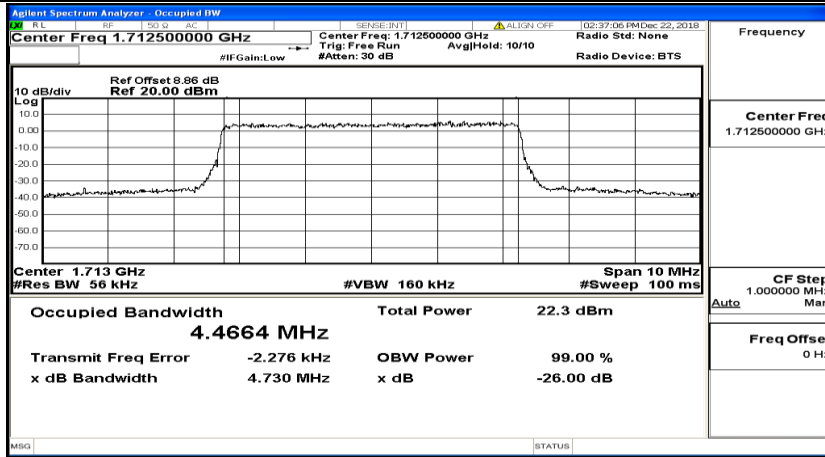
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



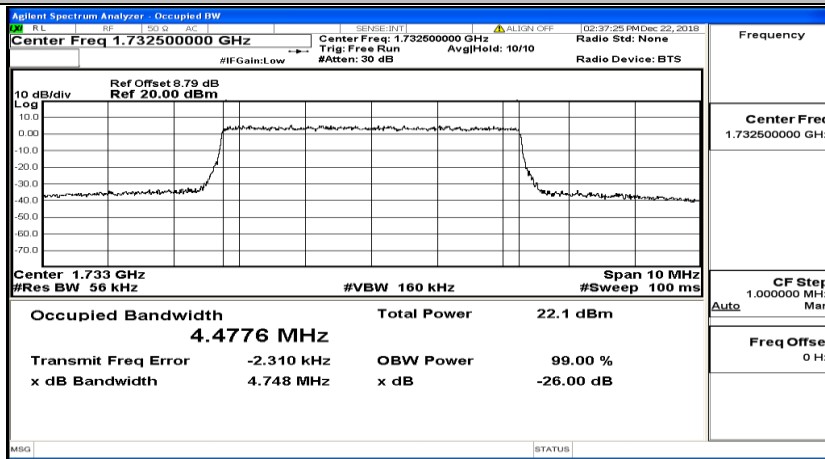
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



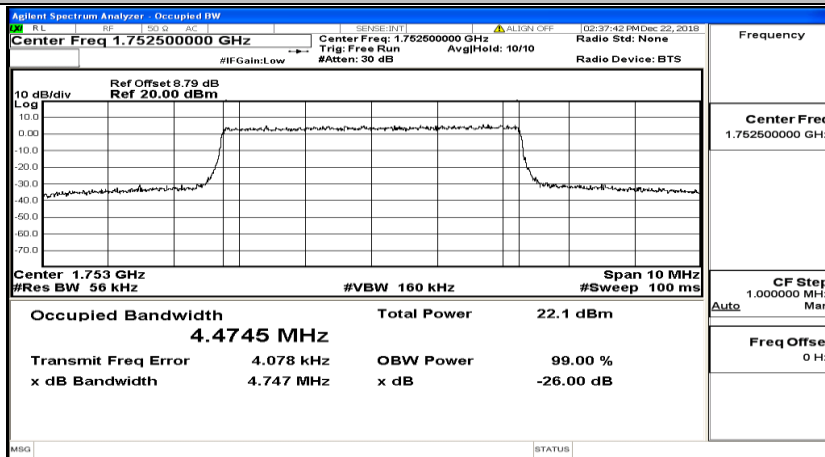
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



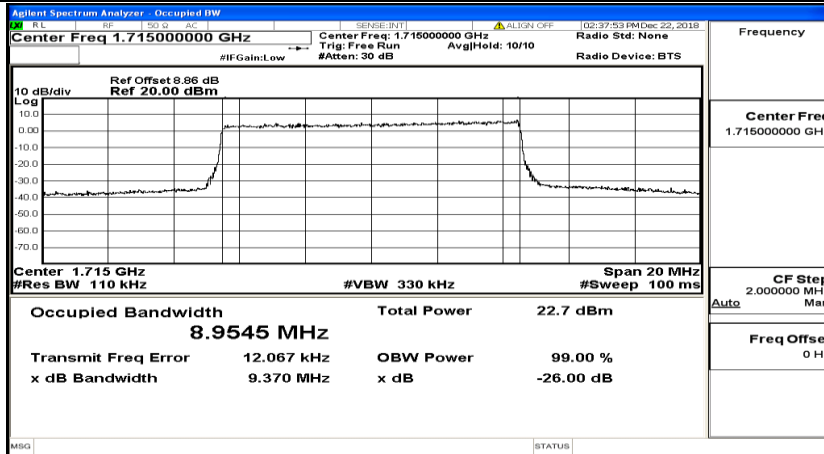
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



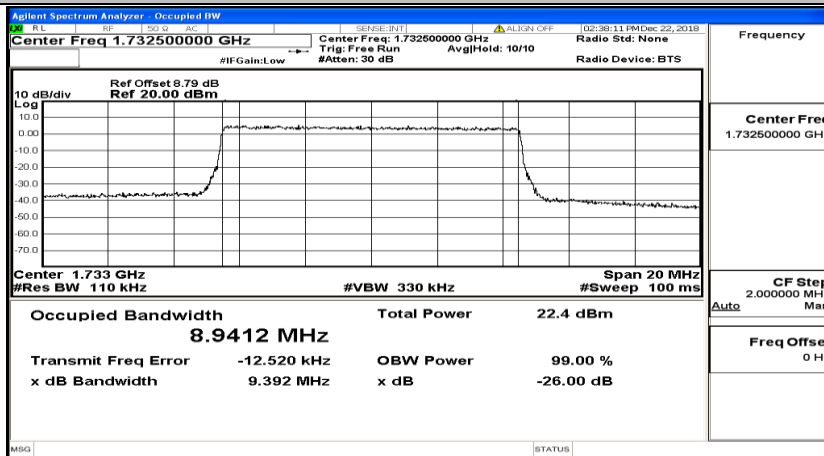
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



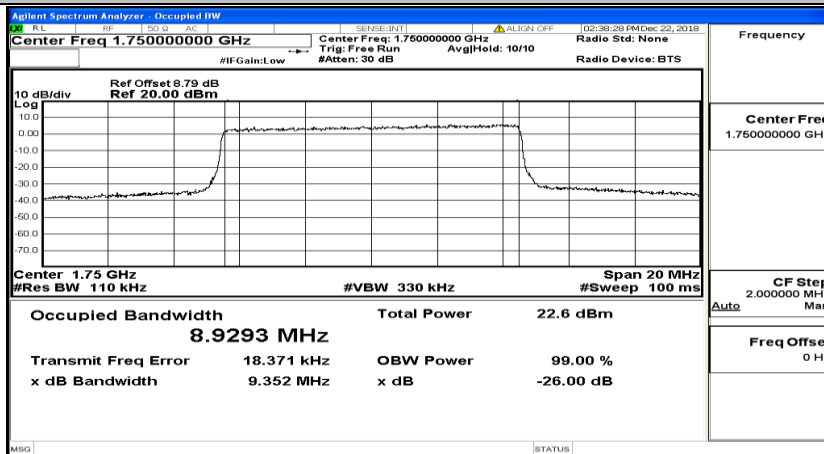
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



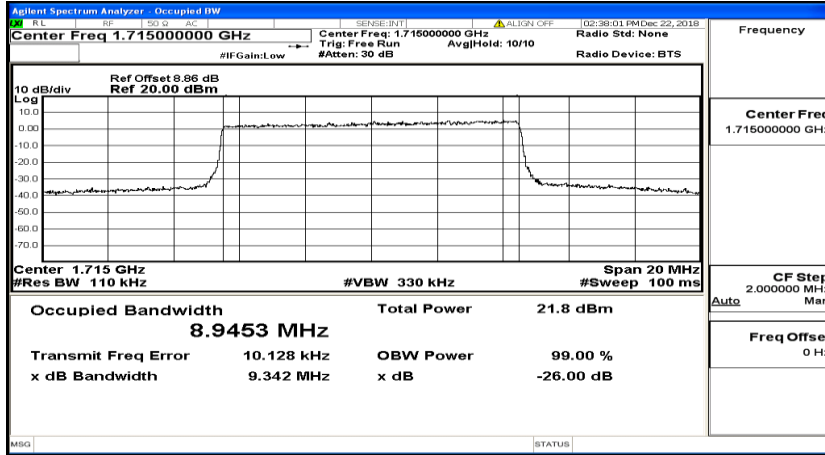
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



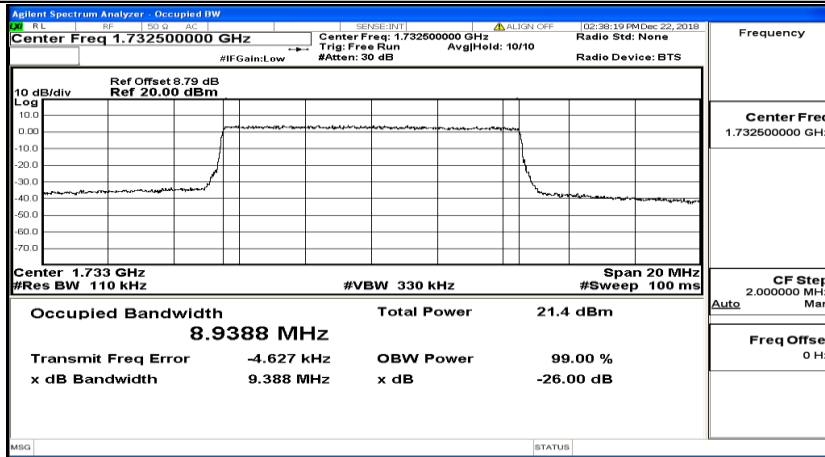
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



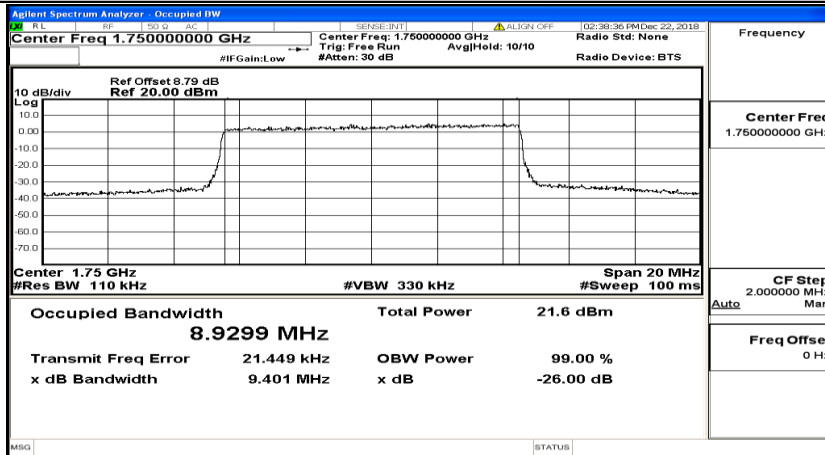
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



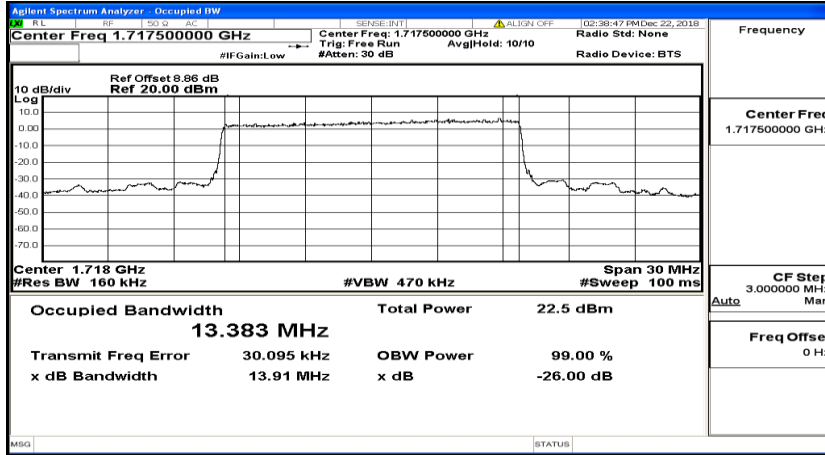
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



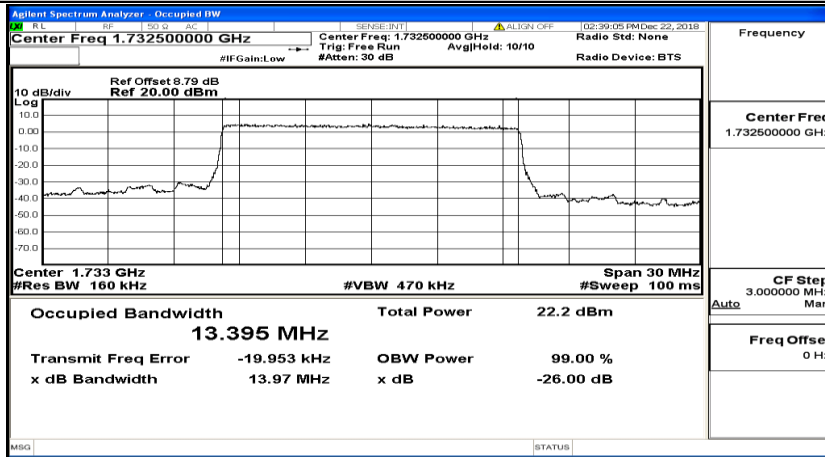
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



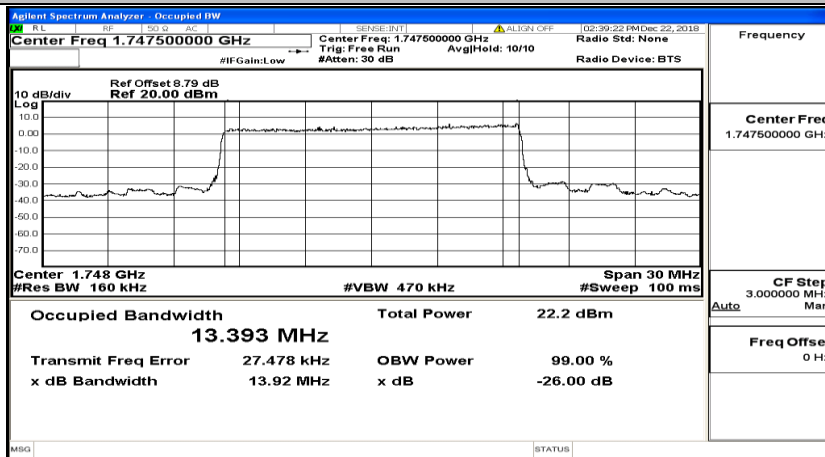
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



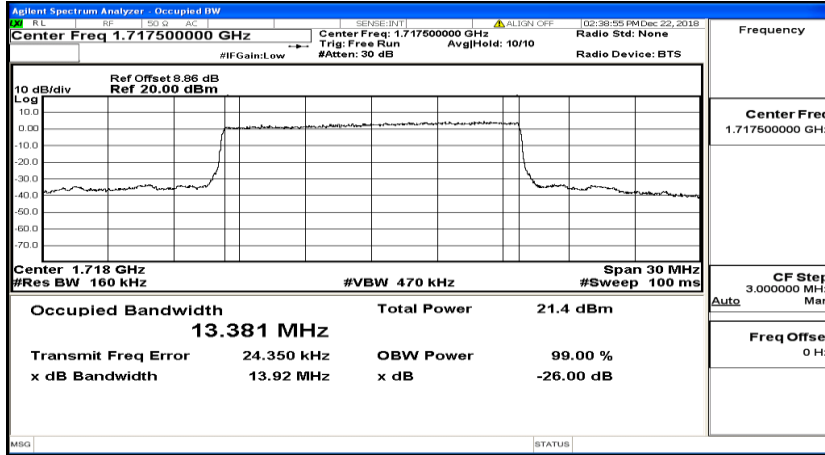
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK



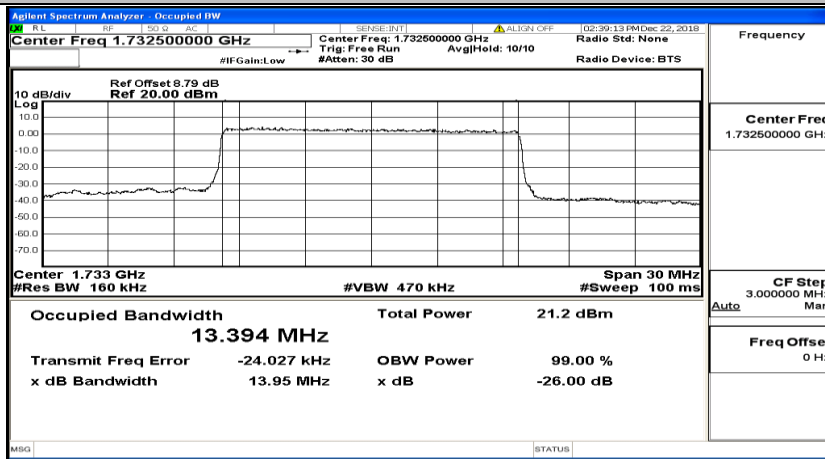
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



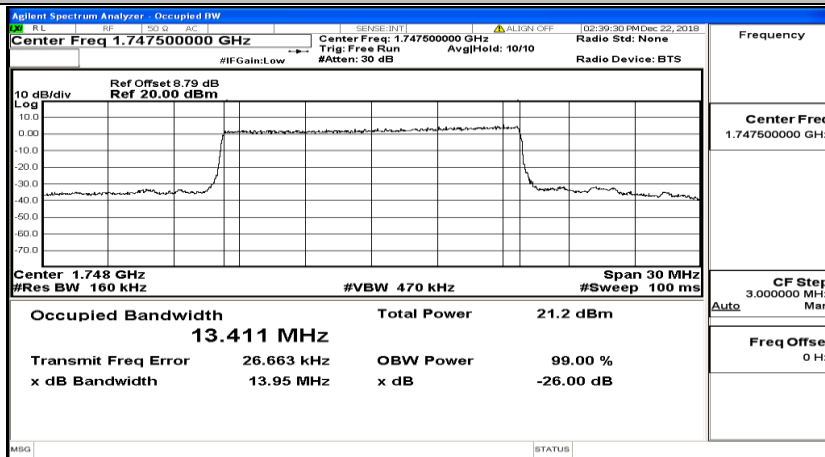
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



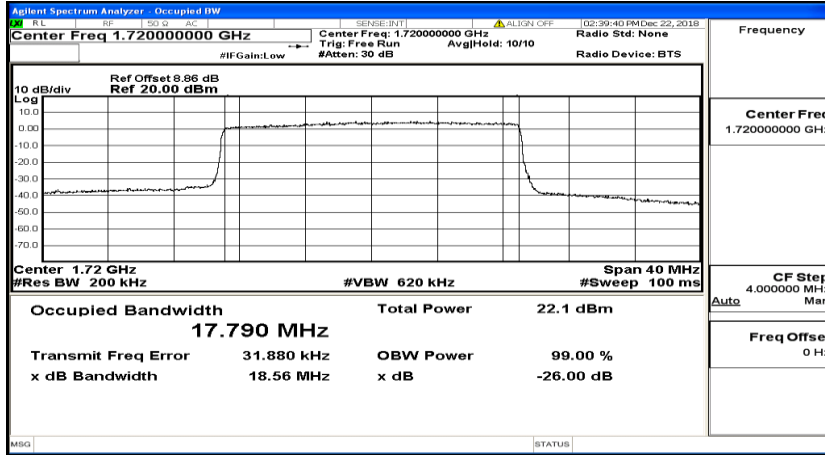
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM



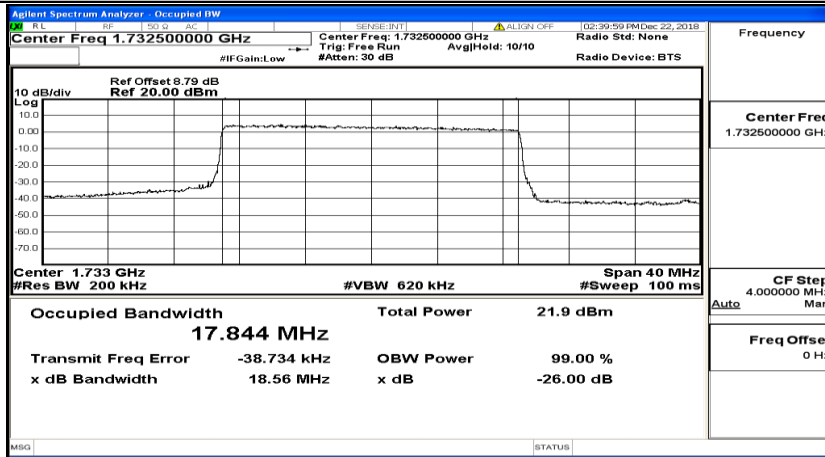
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



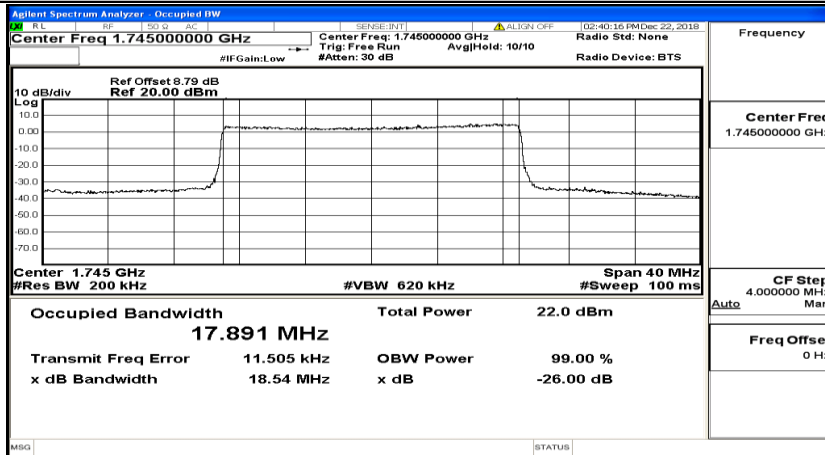
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



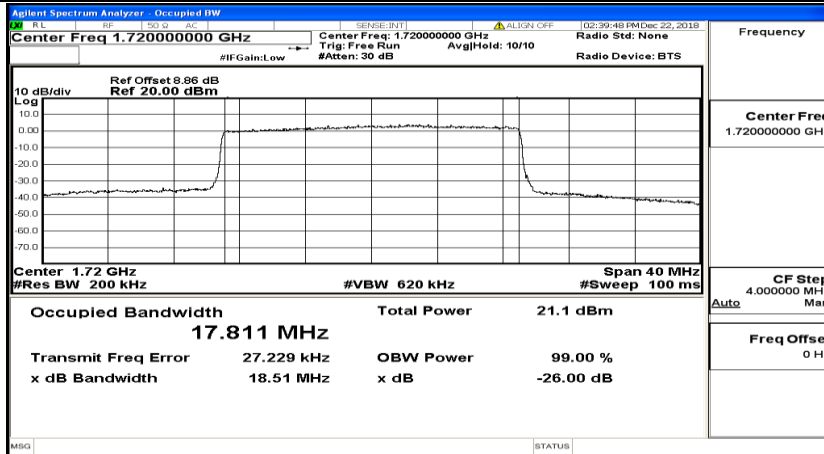
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK



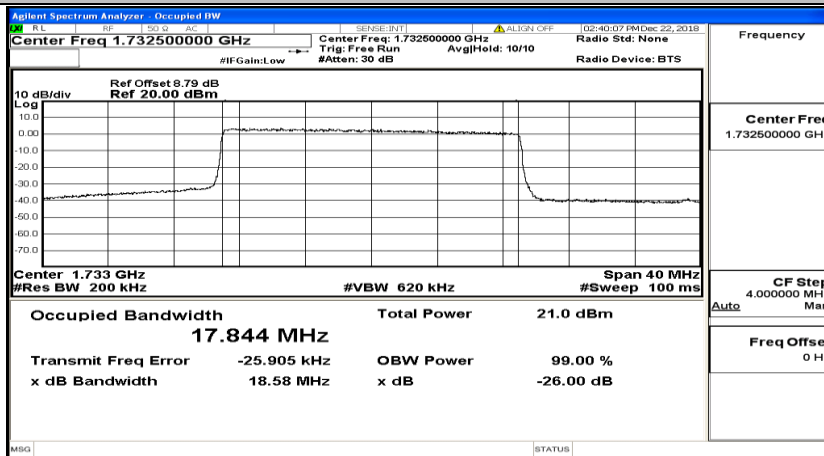
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



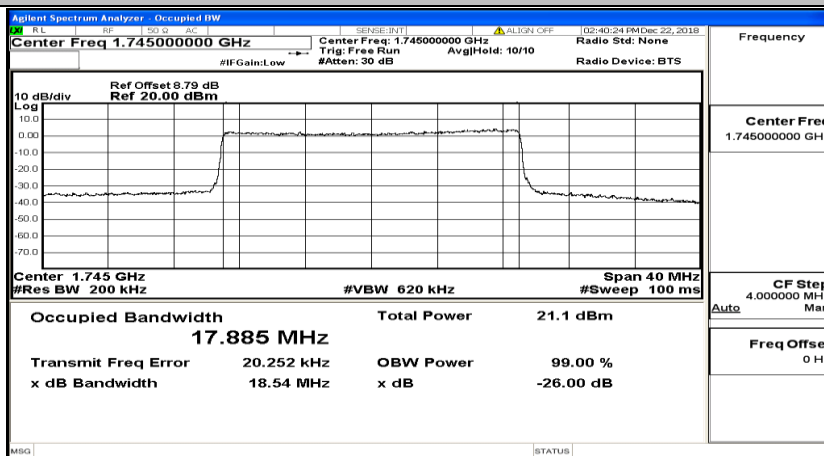
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM



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

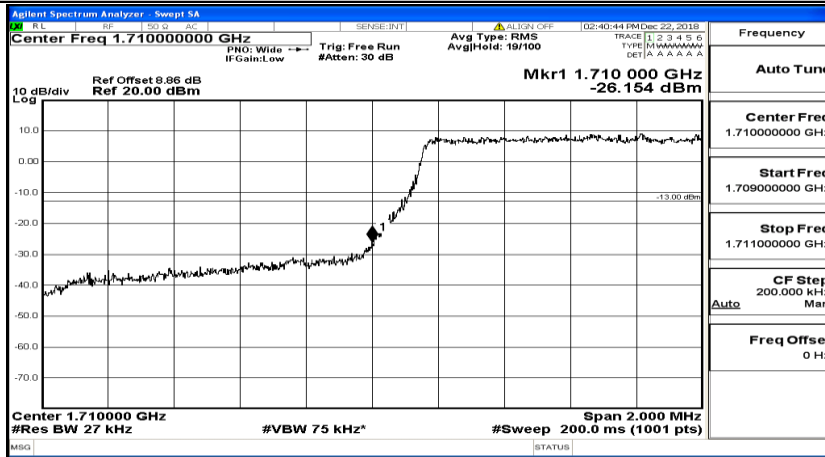


EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM

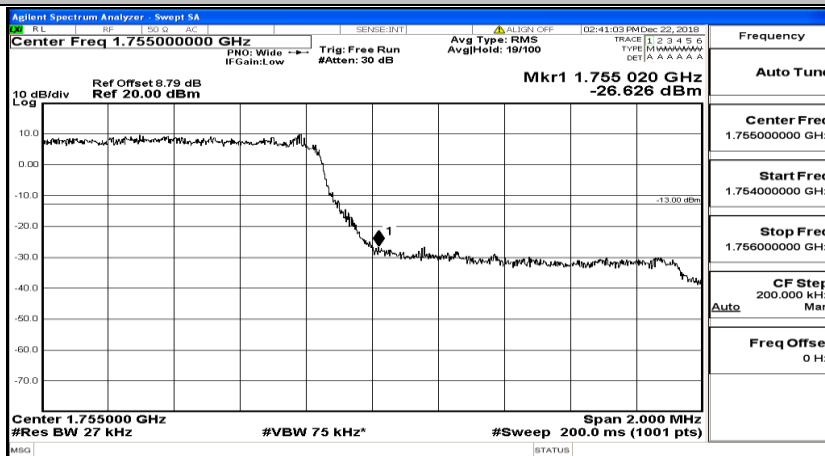


D.4 Band Edge

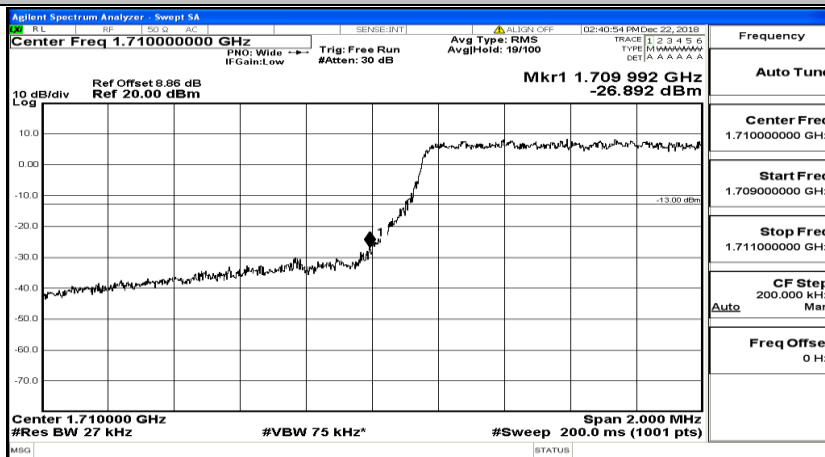
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



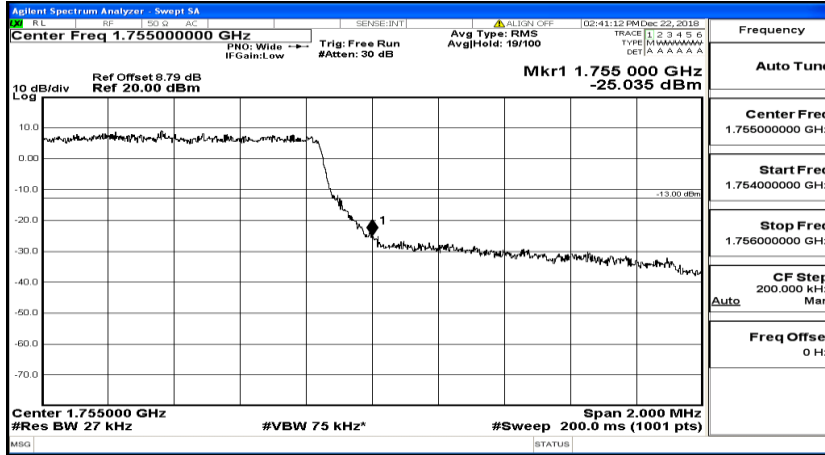
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



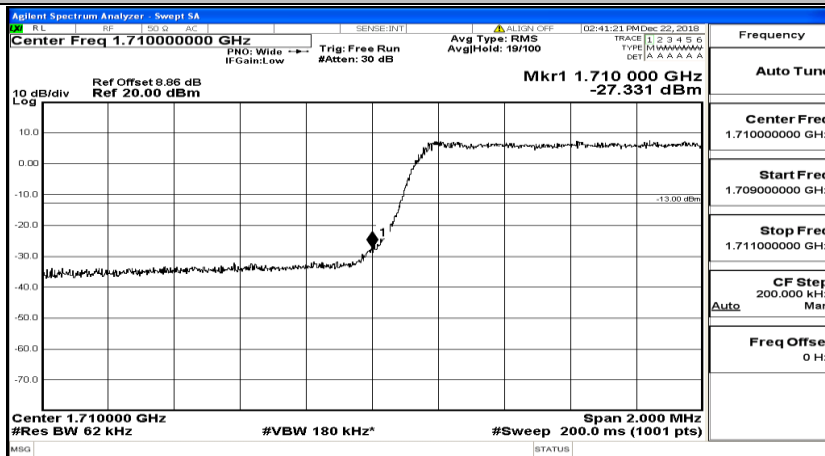
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



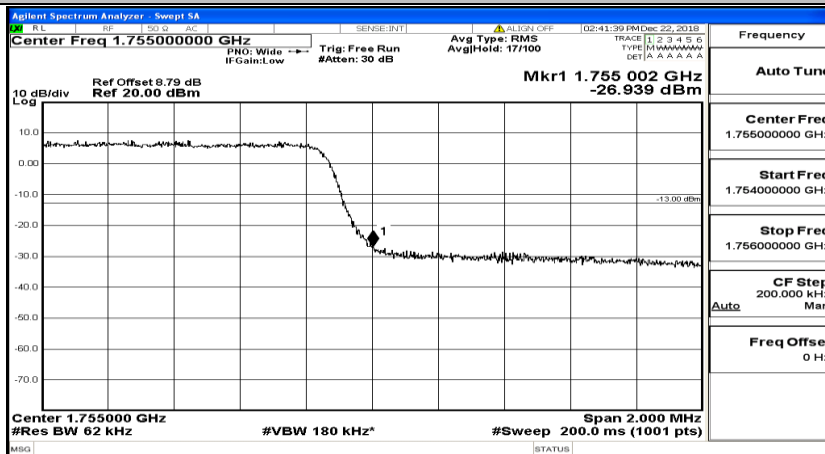
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



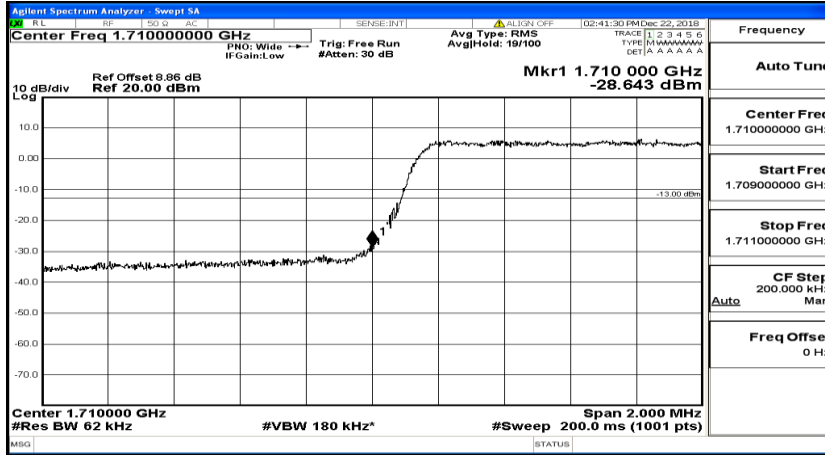
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



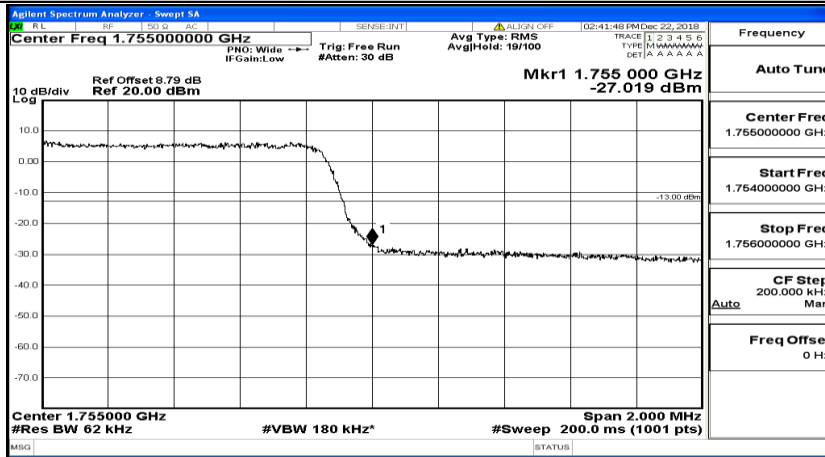
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



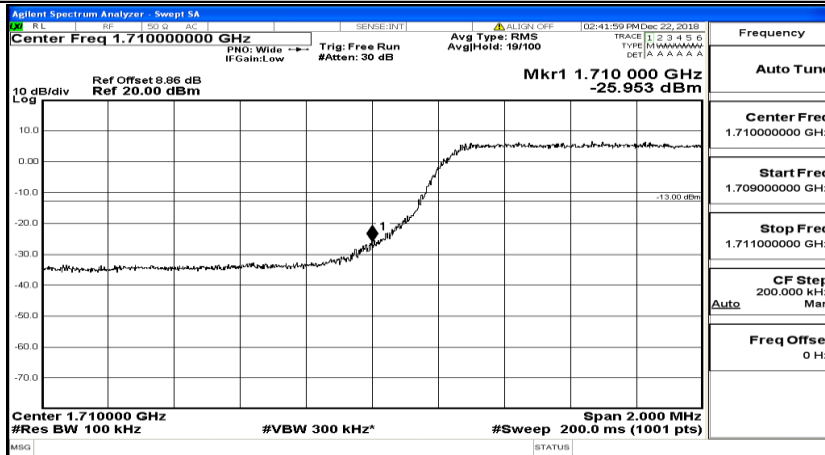
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



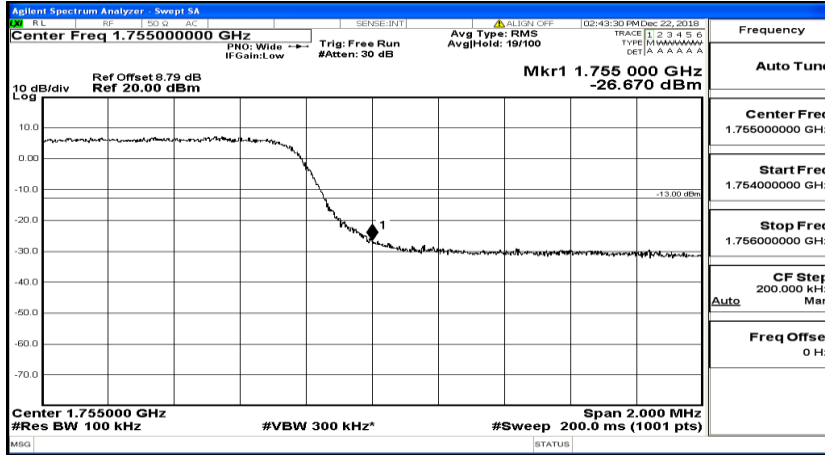
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



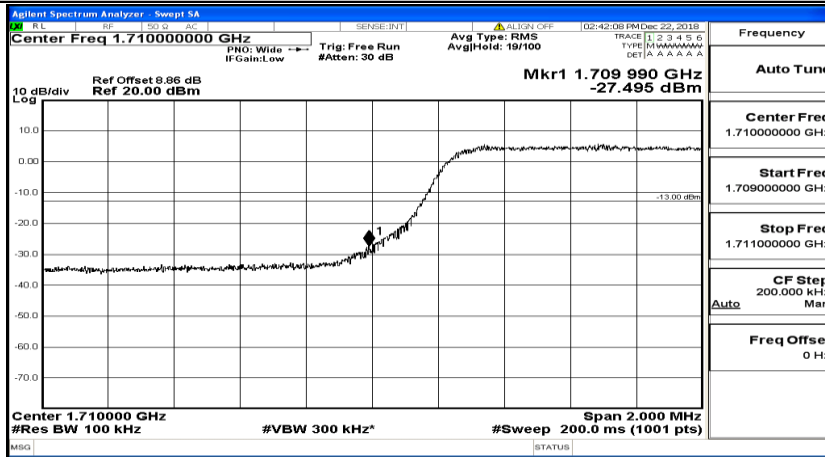
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



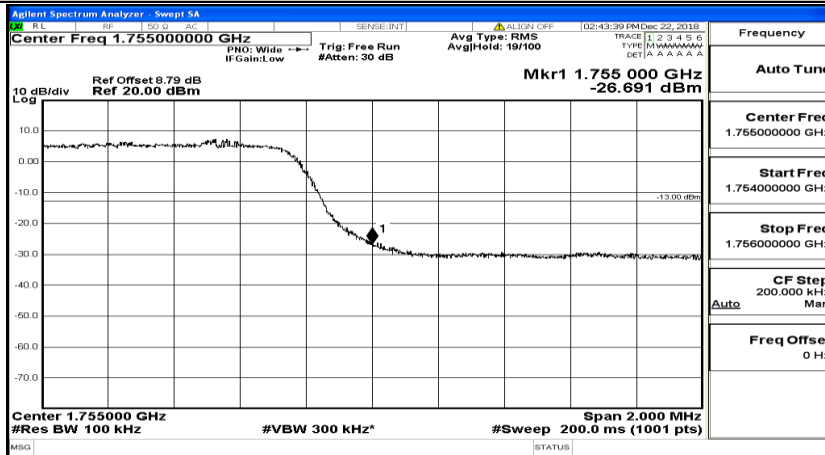
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



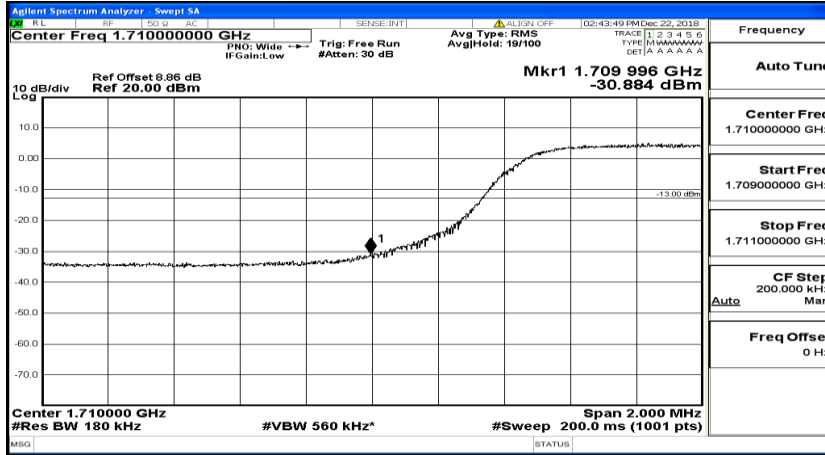
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



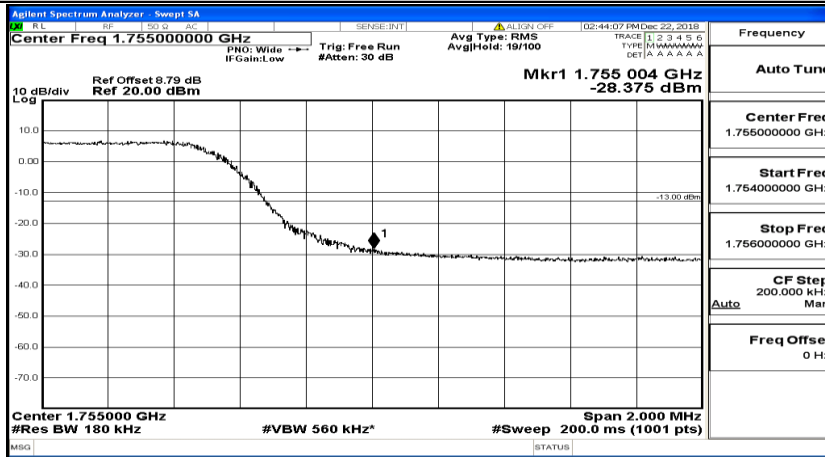
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



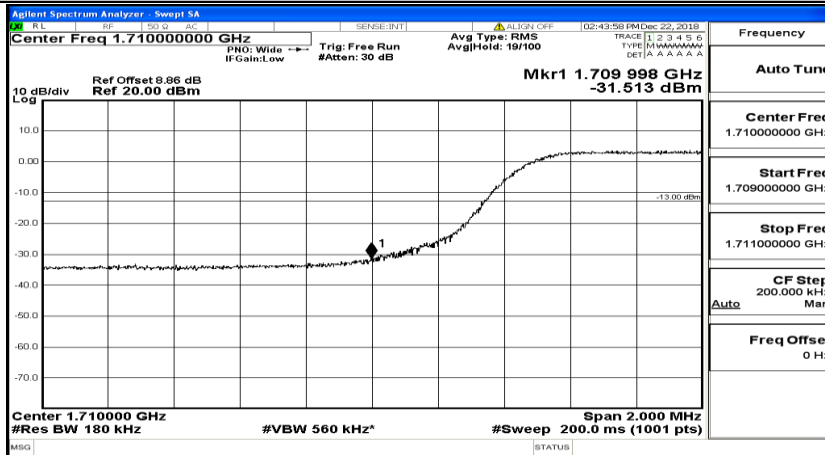
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



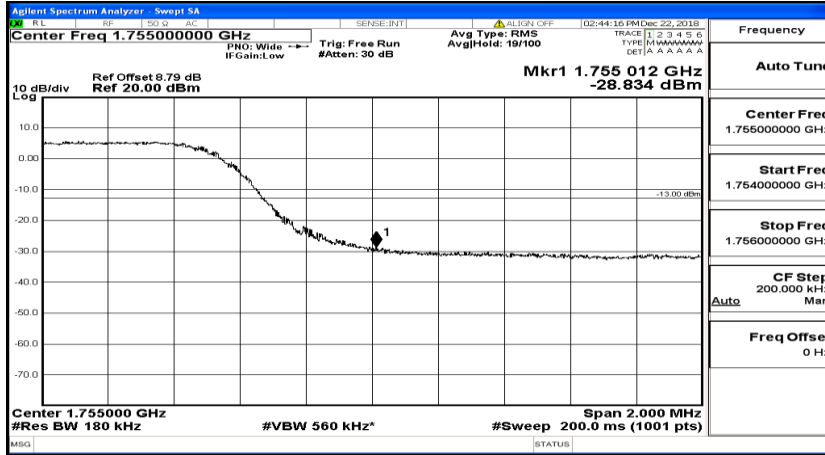
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



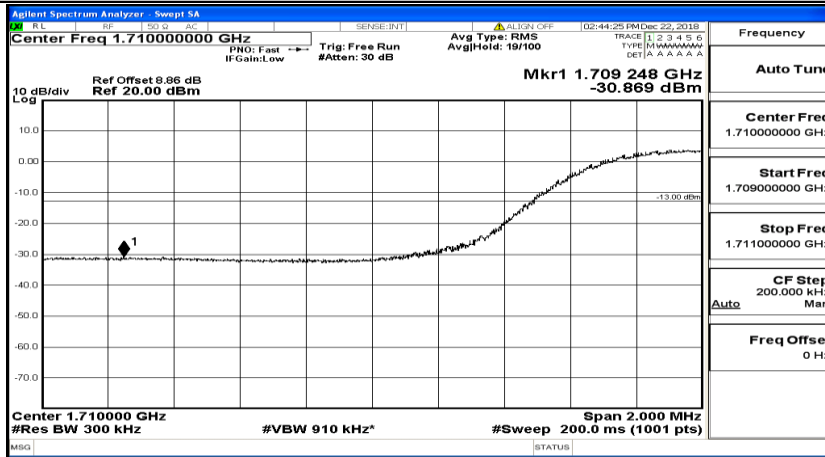
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



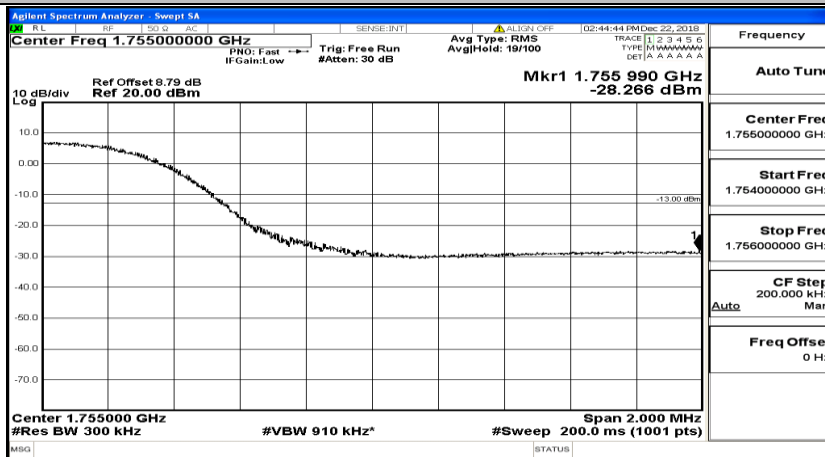
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



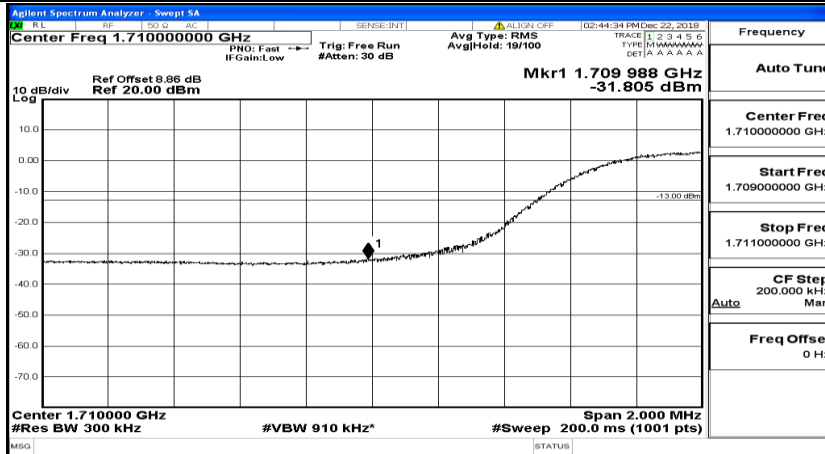
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



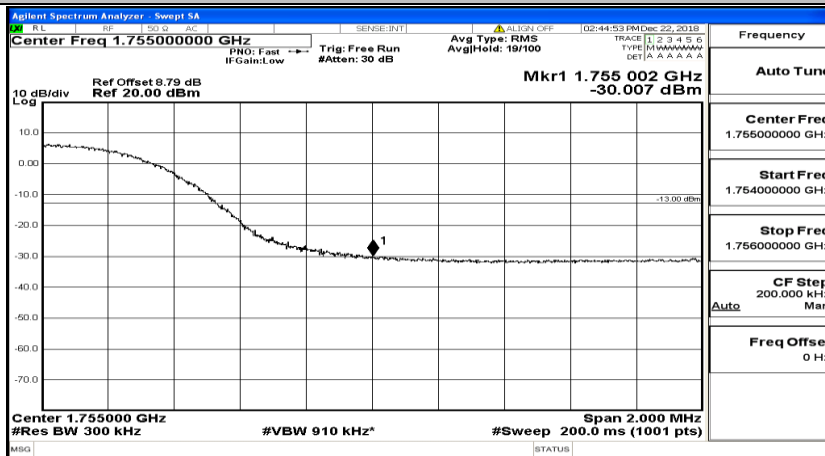
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



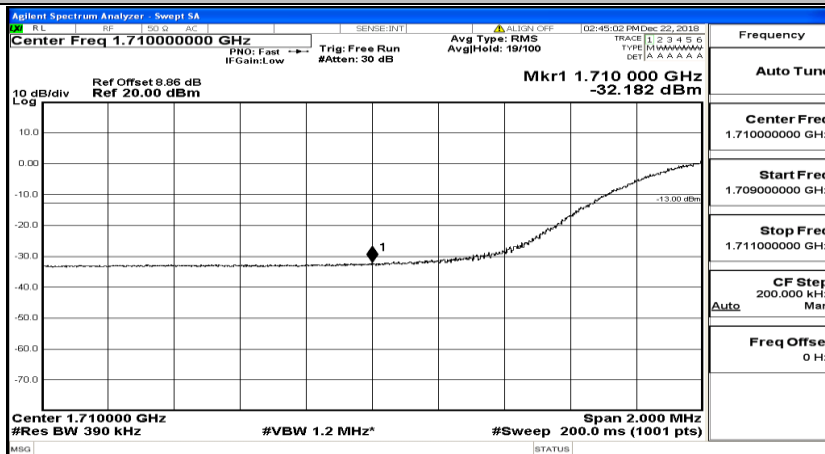
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



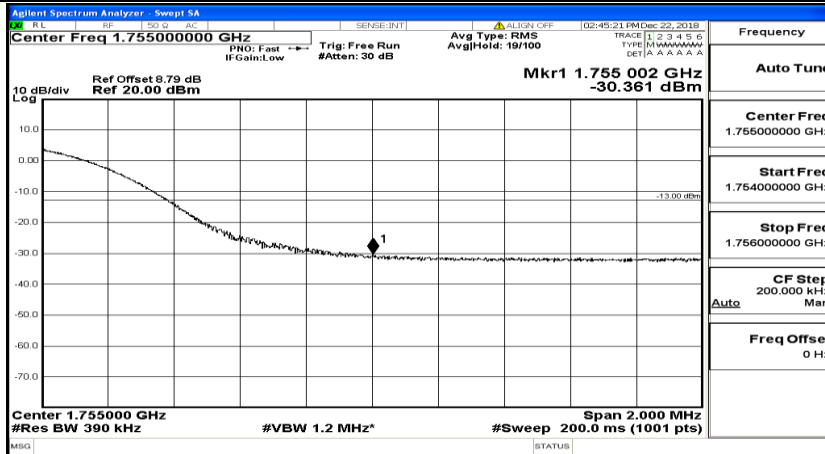
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



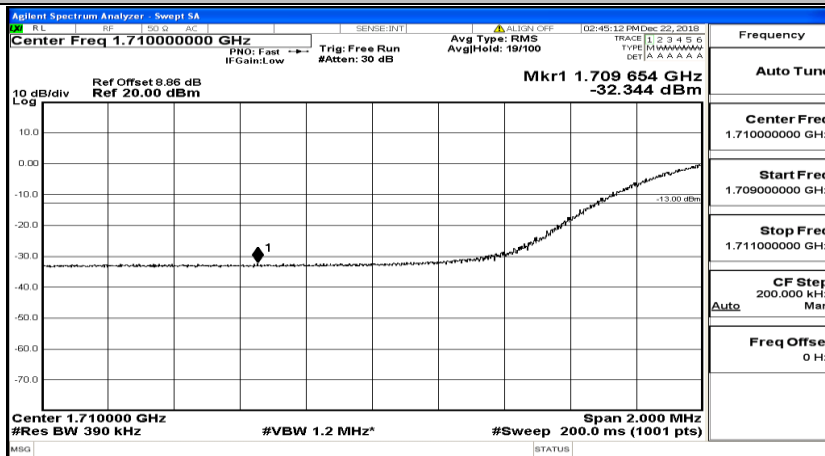
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



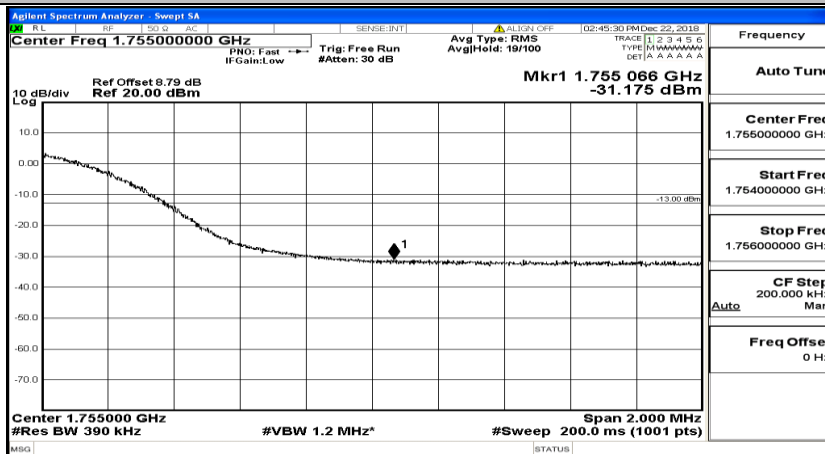
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



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

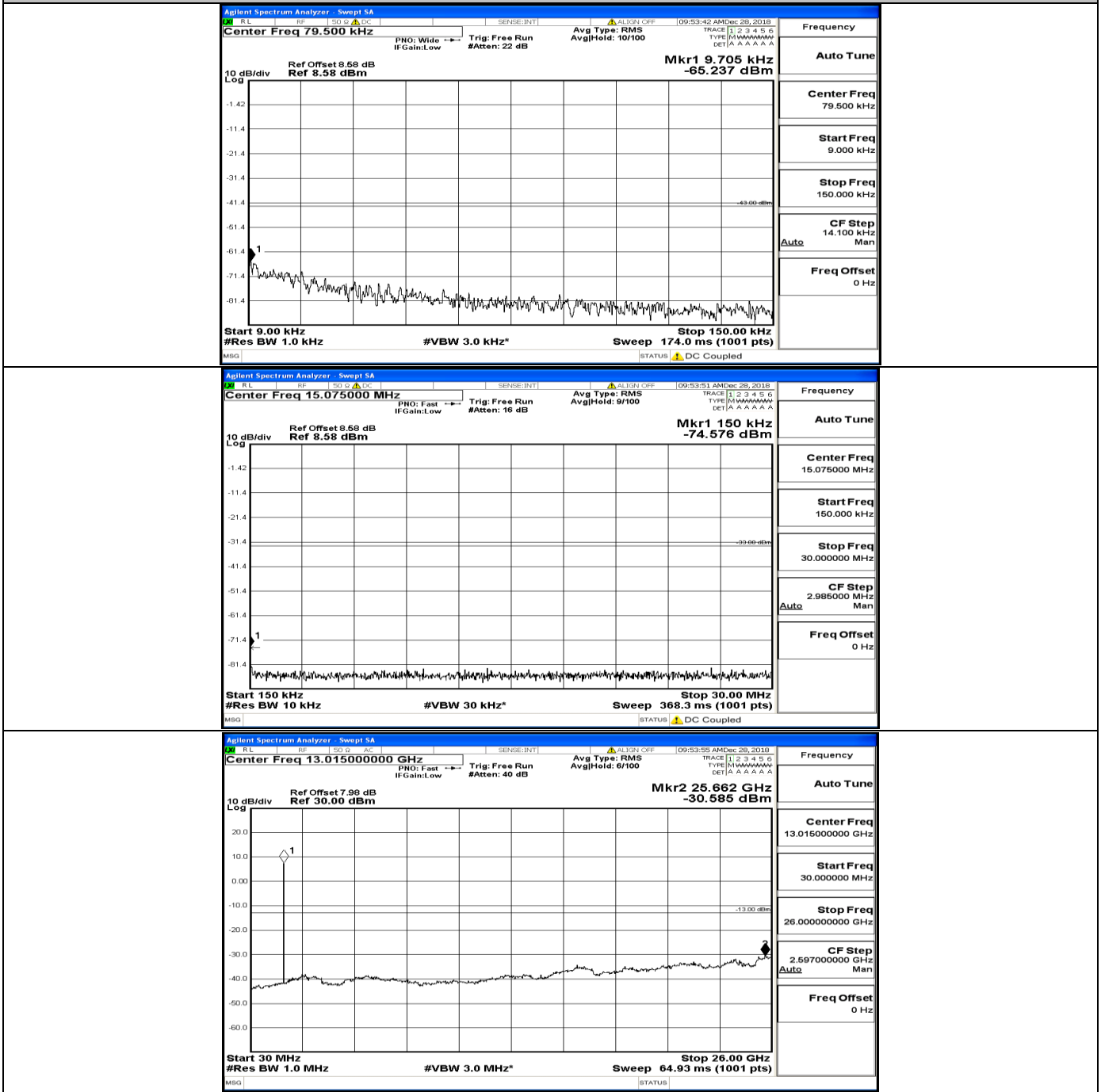


Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM



D.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

