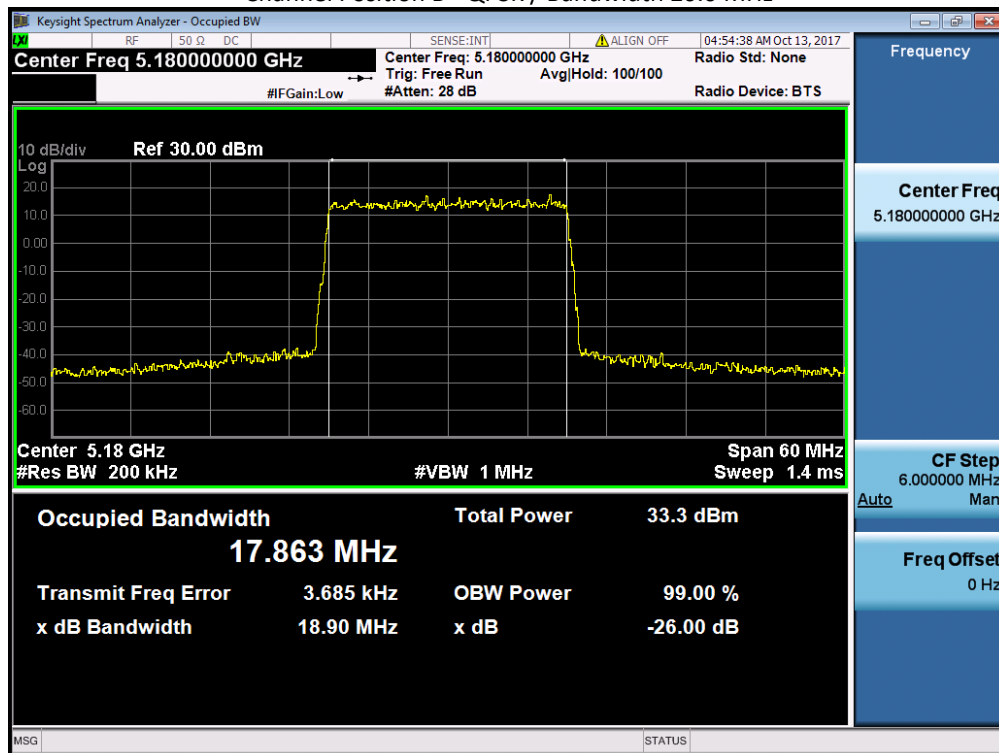
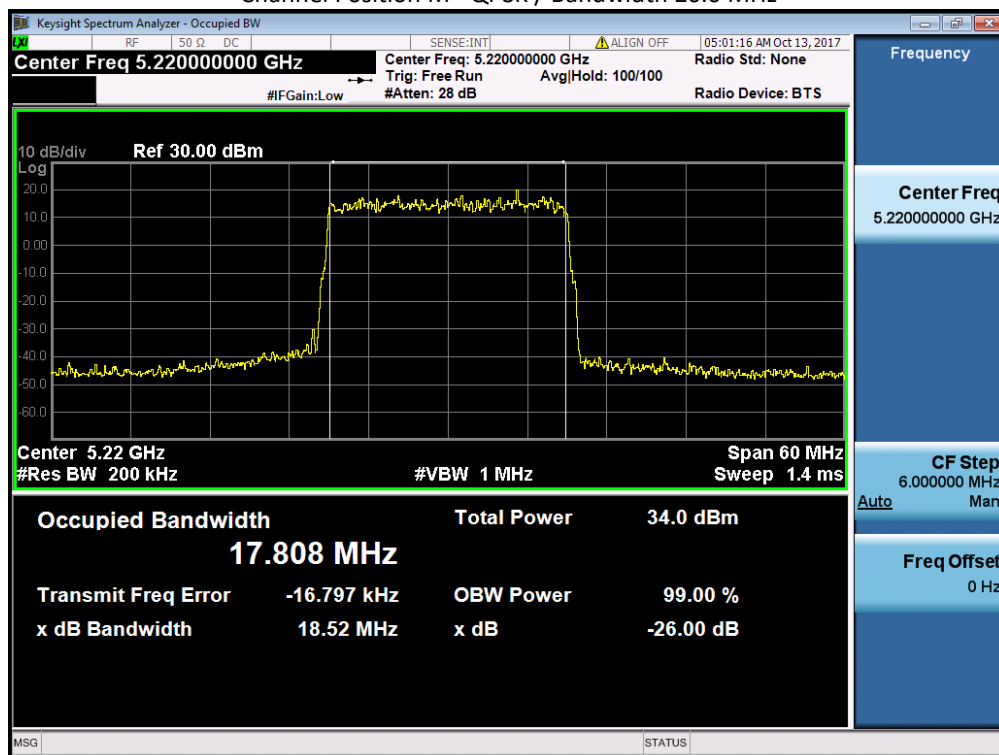


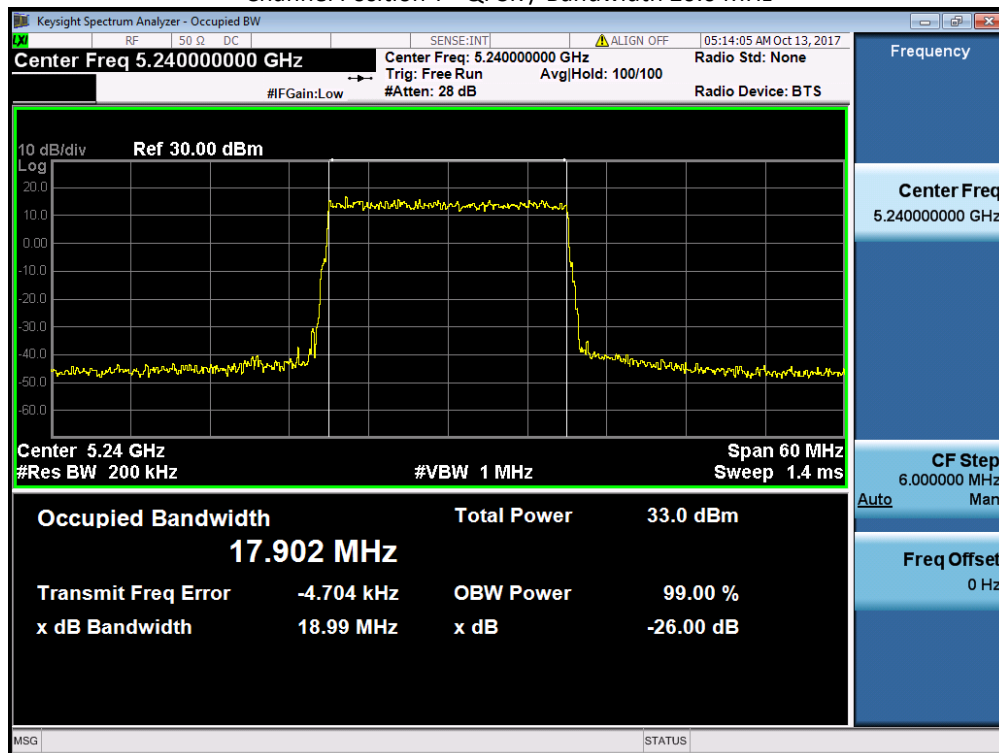
Channel Position B - QPSK / Bandwidth 20.0 MHz



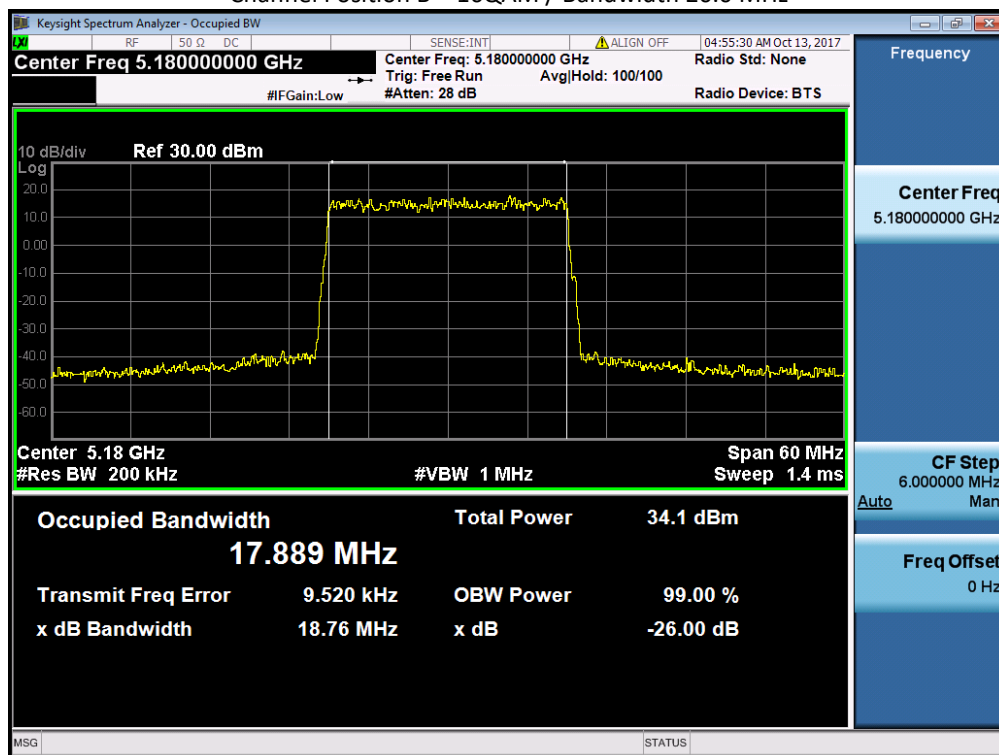
Channel Position M - QPSK / Bandwidth 20.0 MHz



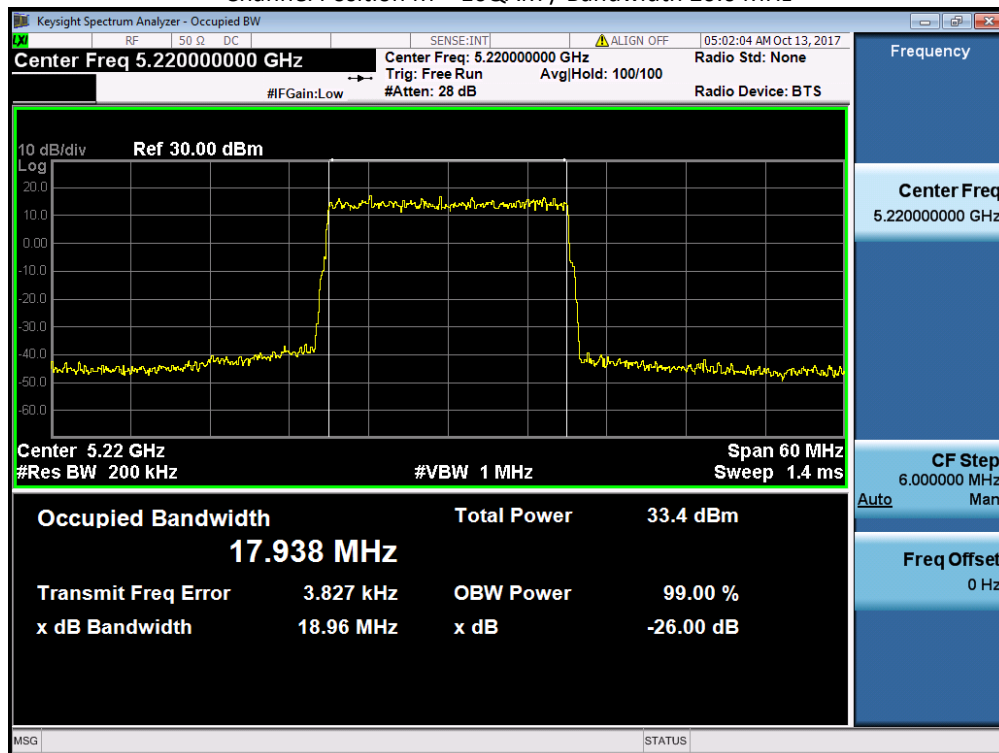
Channel Position T - QPSK / Bandwidth 20.0 MHz



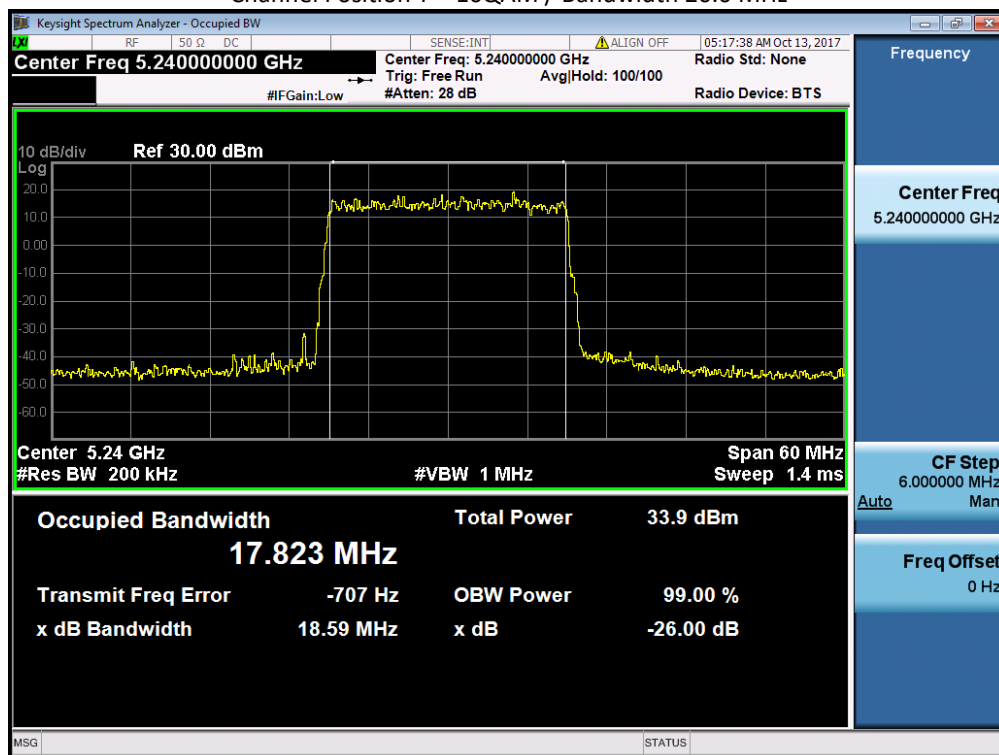
Channel Position B - 16QAM / Bandwidth 20.0 MHz



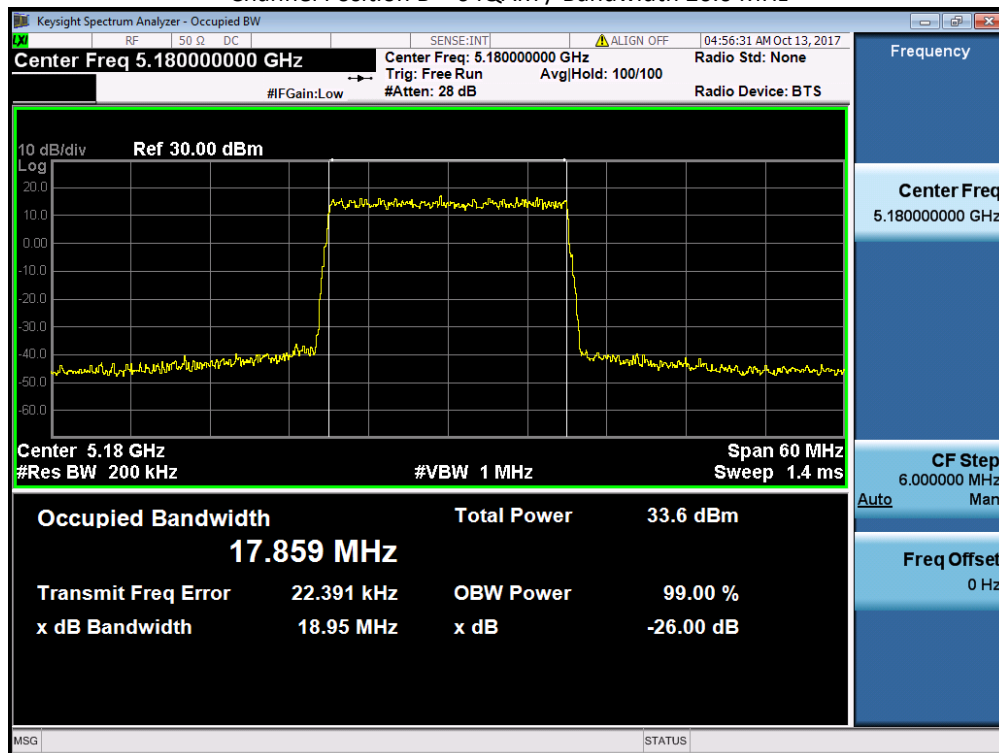
Channel Position M – 16QAM / Bandwidth 20.0 MHz



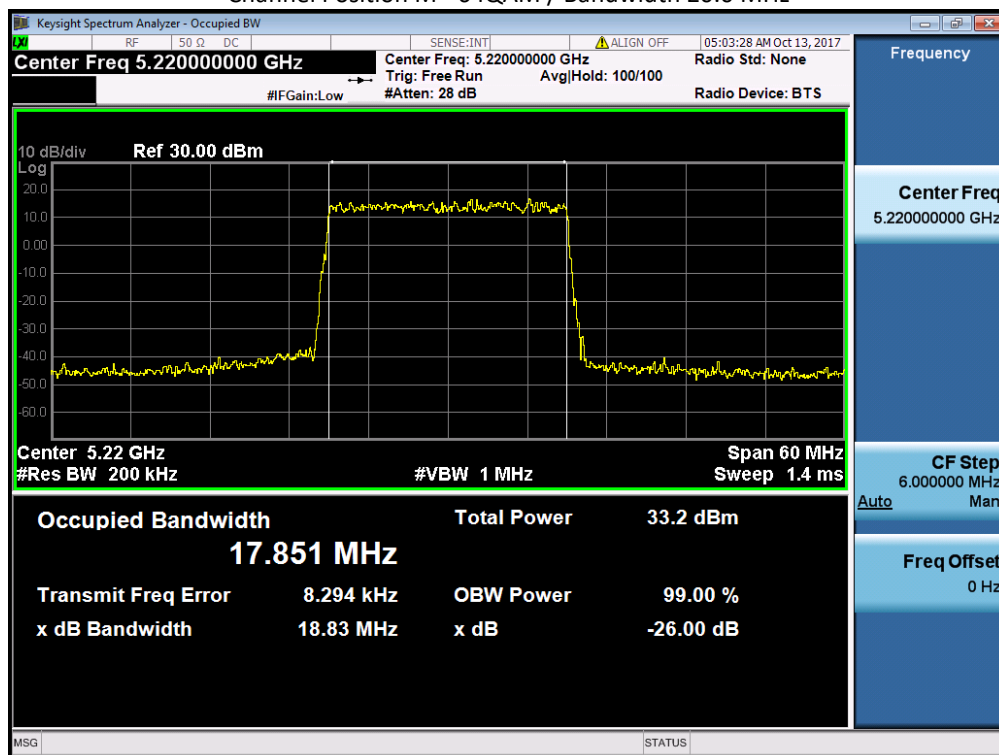
Channel Position T – 16QAM / Bandwidth 20.0 MHz



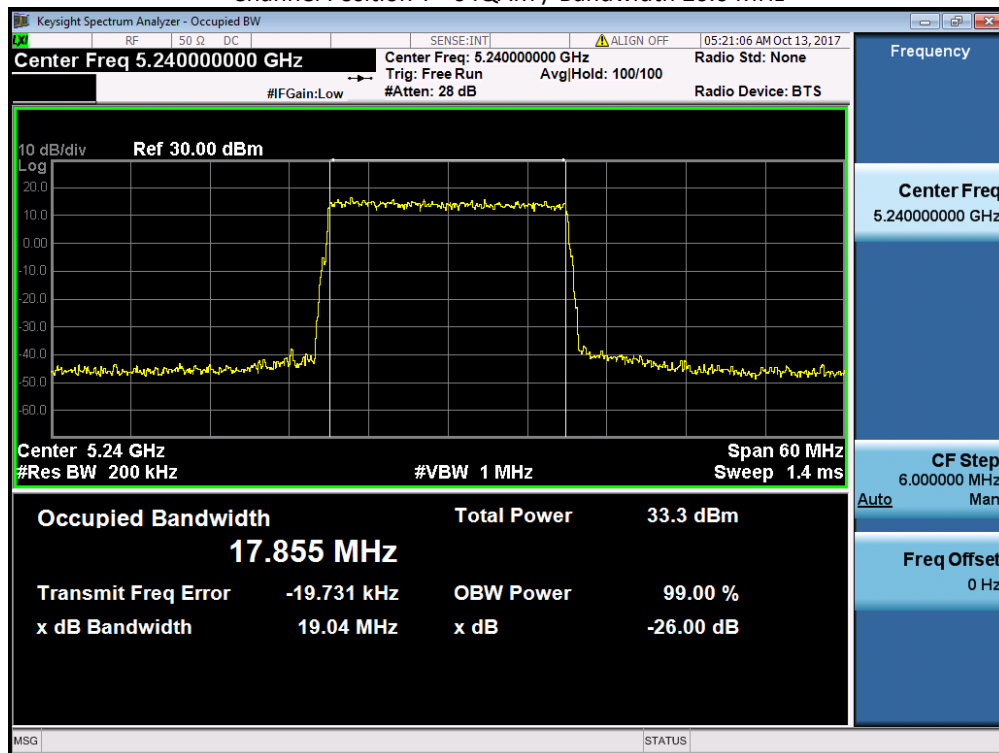
Channel Position B – 64QAM / Bandwidth 20.0 MHz



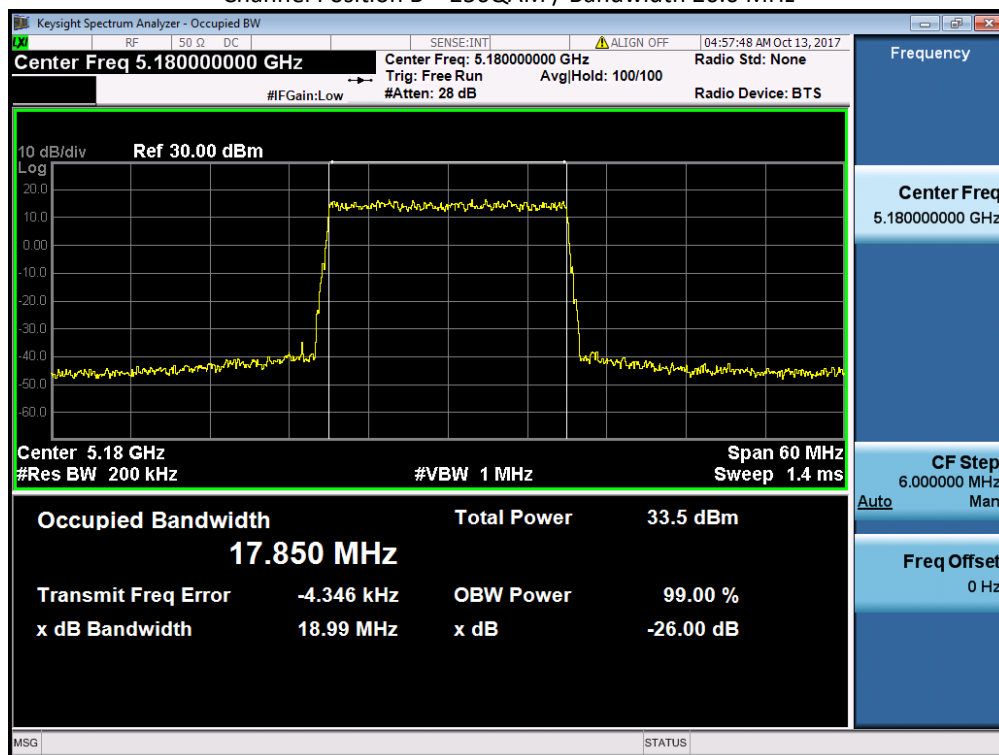
Channel Position M - 64QAM / Bandwidth 20.0 MHz



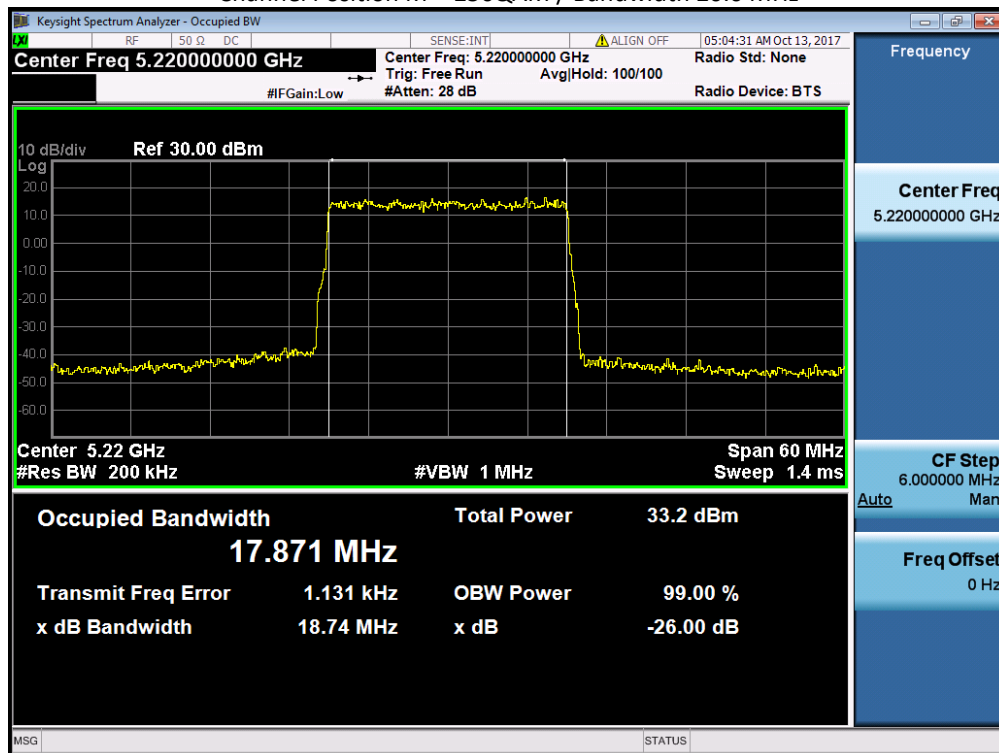
Channel Position T - 64QAM / Bandwidth 20.0 MHz



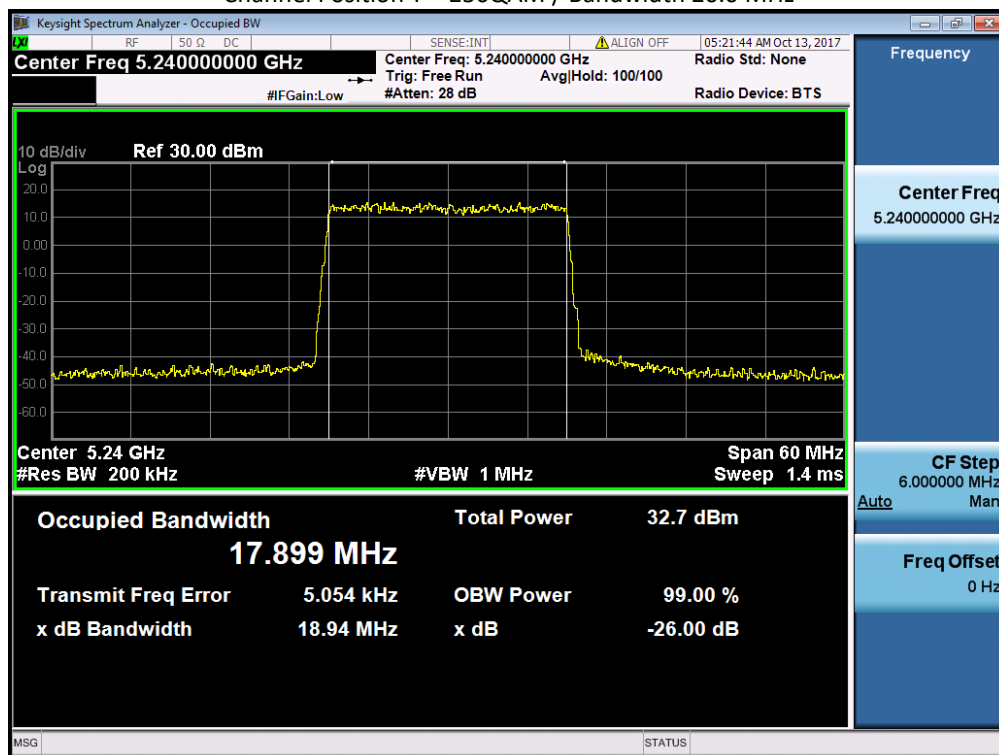
Channel Position B - 256QAM / Bandwidth 20.0 MHz



Channel Position M – 256QAM / Bandwidth 20.0 MHz



Channel Position T – 256QAM / Bandwidth 20.0 MHz



Configuration B2

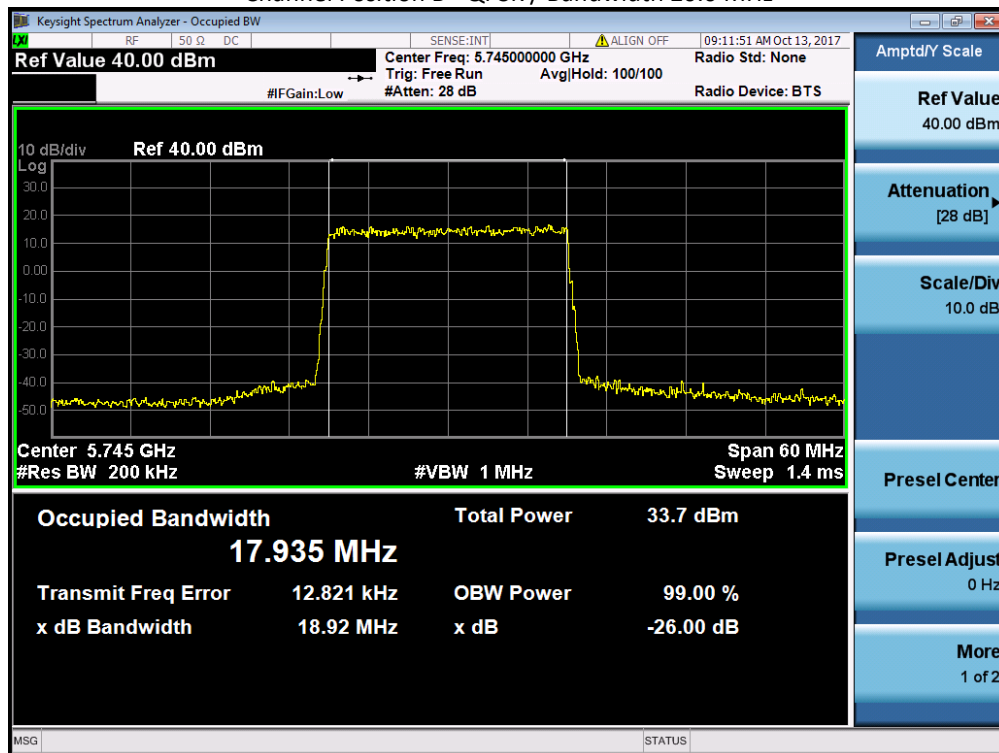
L-MIMO-SC

Maximum Output Power 25dBm per port:

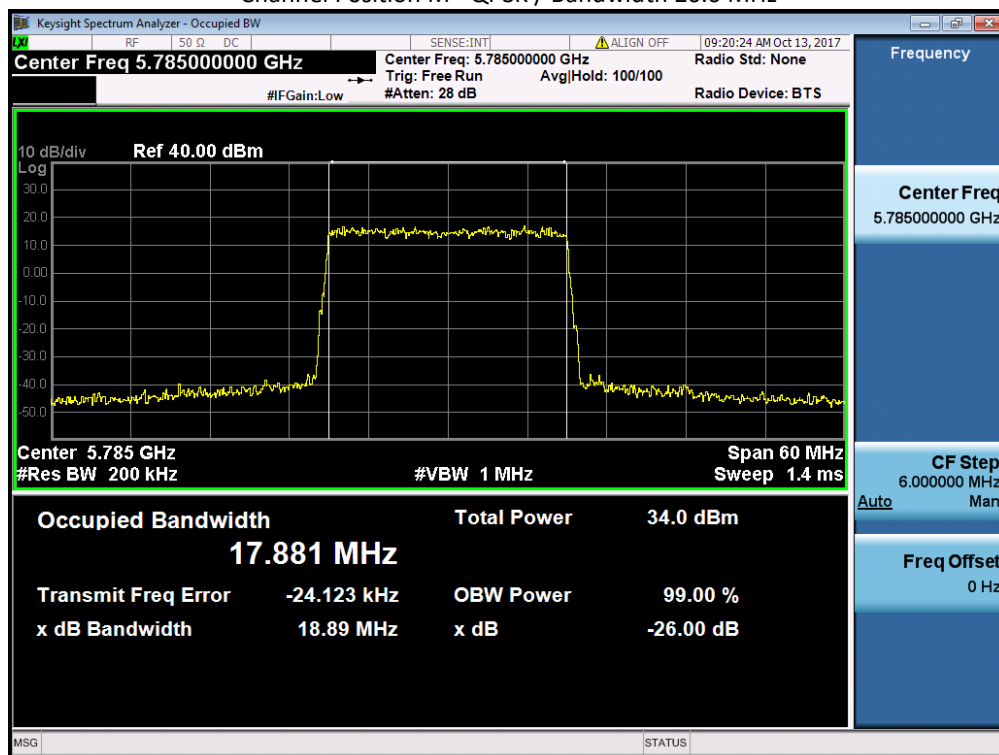
| Modulation /<br>Bandwidth | Occupied Bandwidth (MHz)      |                  |                               |                  |                               |                  |
|---------------------------|-------------------------------|------------------|-------------------------------|------------------|-------------------------------|------------------|
|                           | Channel Position B<br>5745MHz |                  | Channel Position M<br>5785MHz |                  | Channel Position T<br>5825MHz |                  |
|                           | -26dB<br>Bandwidth            | 99%<br>Bandwidth | -26dB<br>Bandwidth            | 99%<br>Bandwidth | --26dB<br>Bandwidth           | 99%<br>Bandwidth |
| QPSK / 20.0MHz            | 18.920                        | 17.935           | 18.890                        | 17.881           | 18.980                        | 17.887           |
| 16QAM / 20.0MHz           | 18.900                        | 17.836           | 18.620                        | 17.833           | 18.780                        | 17.828           |
| 64QAM / 20.0MHz           | 18.870                        | 17.891           | 18.880                        | 17.862           | 18.790                        | 17.864           |
| 256QAM / 20.0MHz          | 18.780                        | 17.840           | 19.000                        | 17.918           | 18.780                        | 17.917           |

| Modulation /<br>Bandwidth | Occupied Bandwidth (MHz)      |                               |                               |
|---------------------------|-------------------------------|-------------------------------|-------------------------------|
|                           | Channel Position B<br>5745MHz | Channel Position M<br>5785MHz | Channel Position T<br>5825MHz |
|                           | -6dB<br>Bandwidth             | -6dB<br>Bandwidth             | -6dB<br>Bandwidth             |
| QPSK / 20.0MHz            | 18.030                        | 18.060                        | 18.070                        |
| 16QAM / 20.0MHz           | 18.030                        | 18.000                        | 18.010                        |
| 64QAM / 20.0MHz           | 18.030                        | 18.080                        | 18.050                        |
| 256QAM / 20.0MHz          | 18.000                        | 18.040                        | 18.030                        |

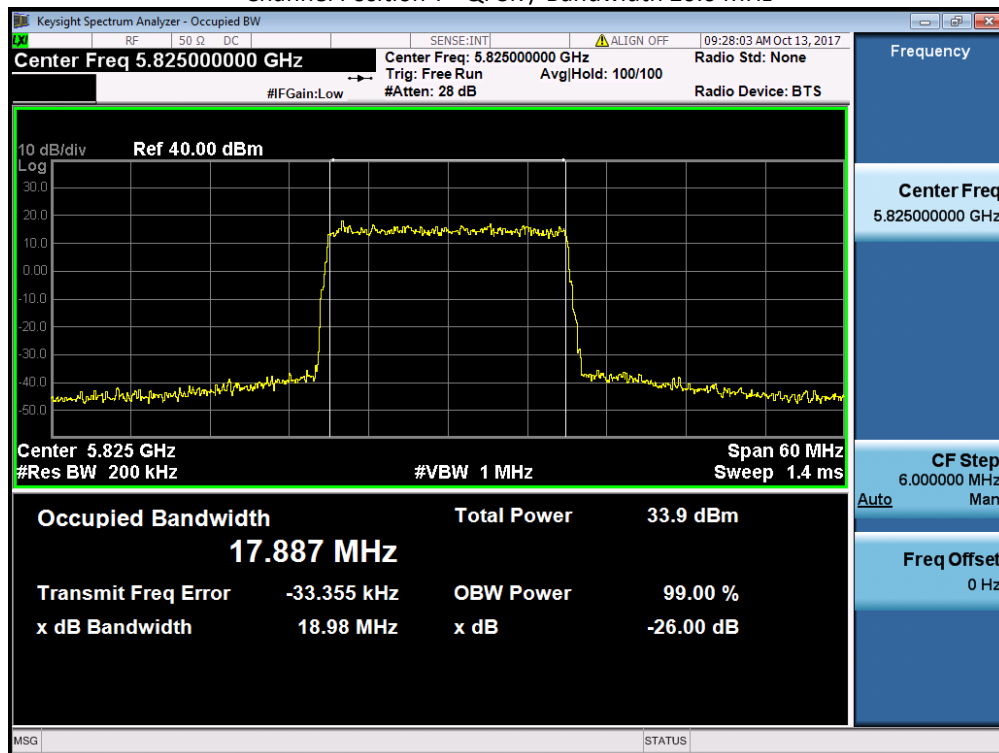
Channel Position B - QPSK / Bandwidth 20.0 MHz



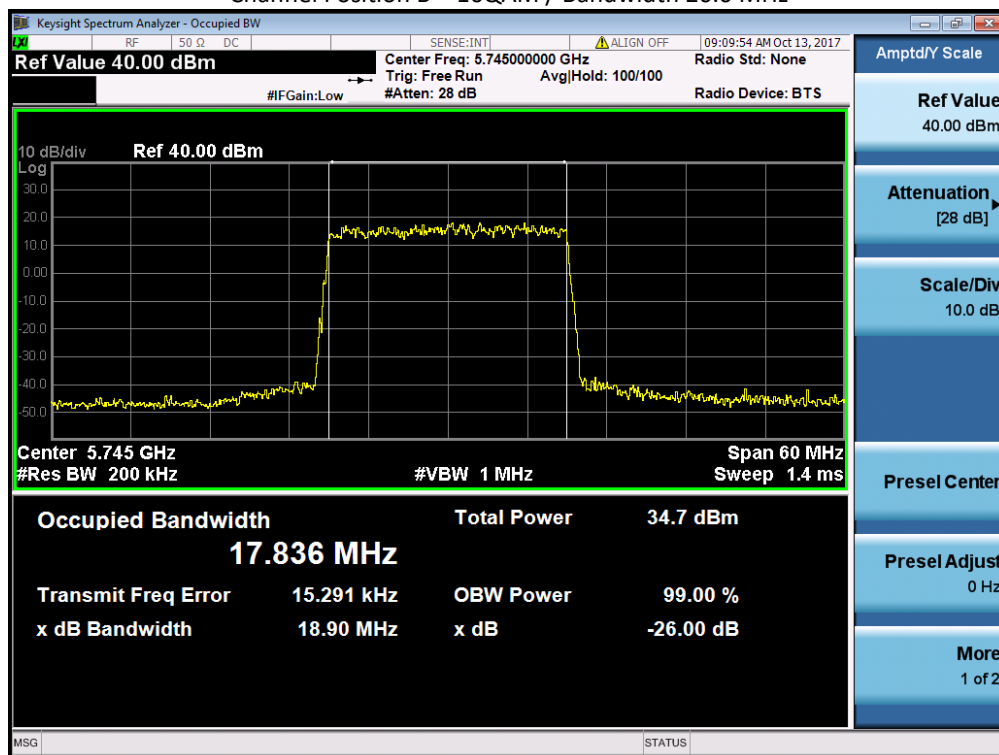
Channel Position M - QPSK / Bandwidth 20.0 MHz



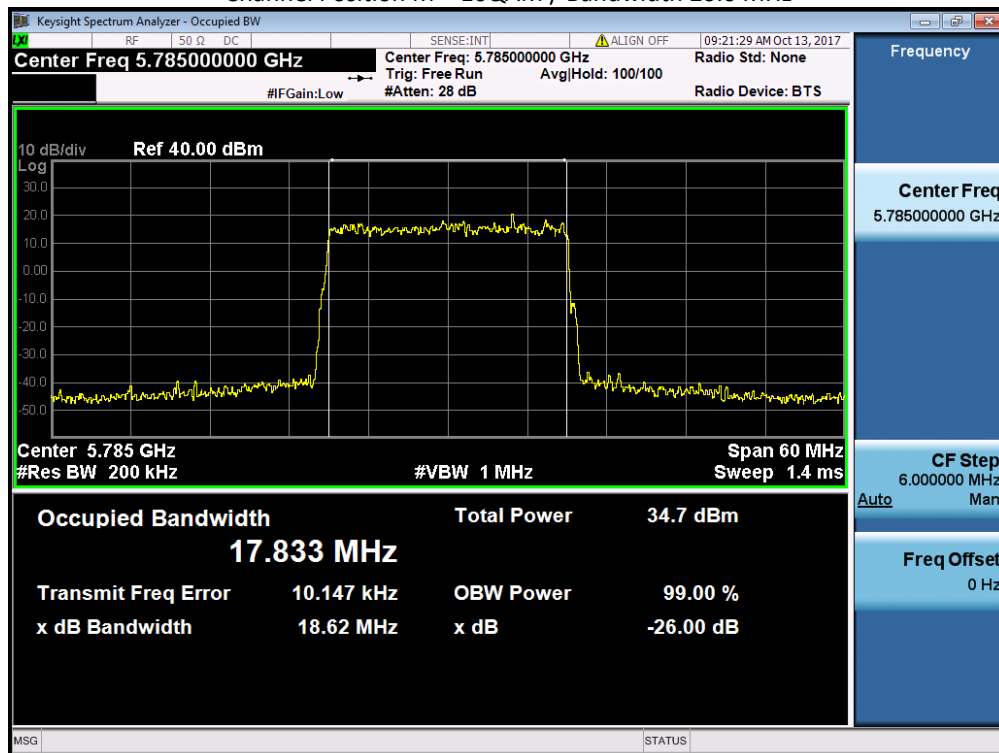
Channel Position T - QPSK / Bandwidth 20.0 MHz



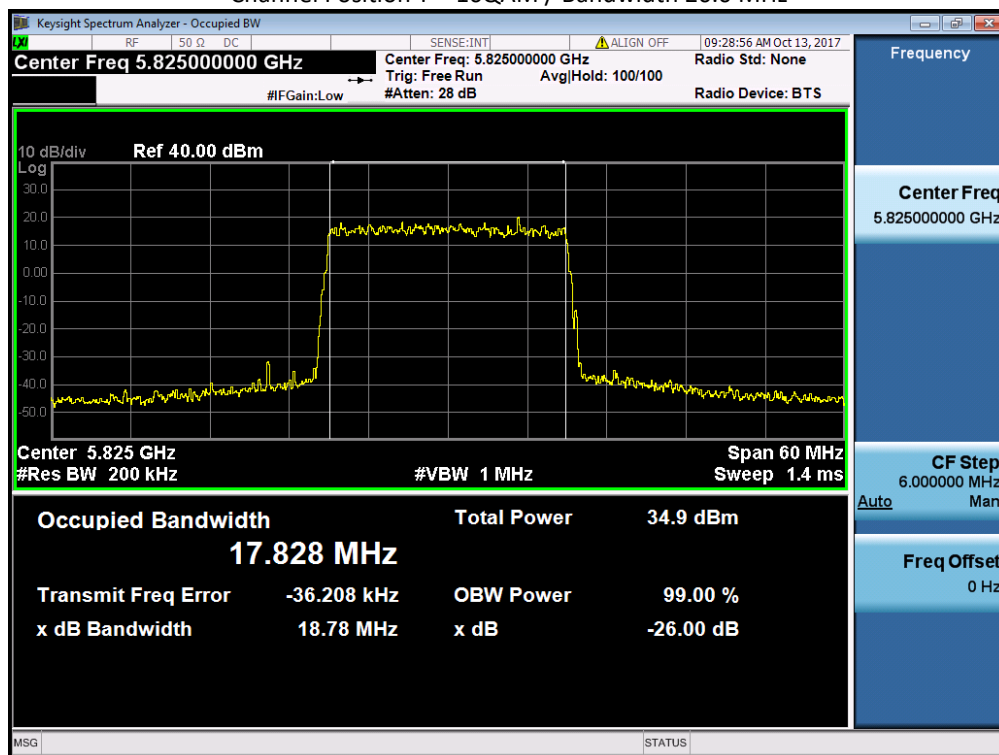
Channel Position B - 16QAM / Bandwidth 20.0 MHz



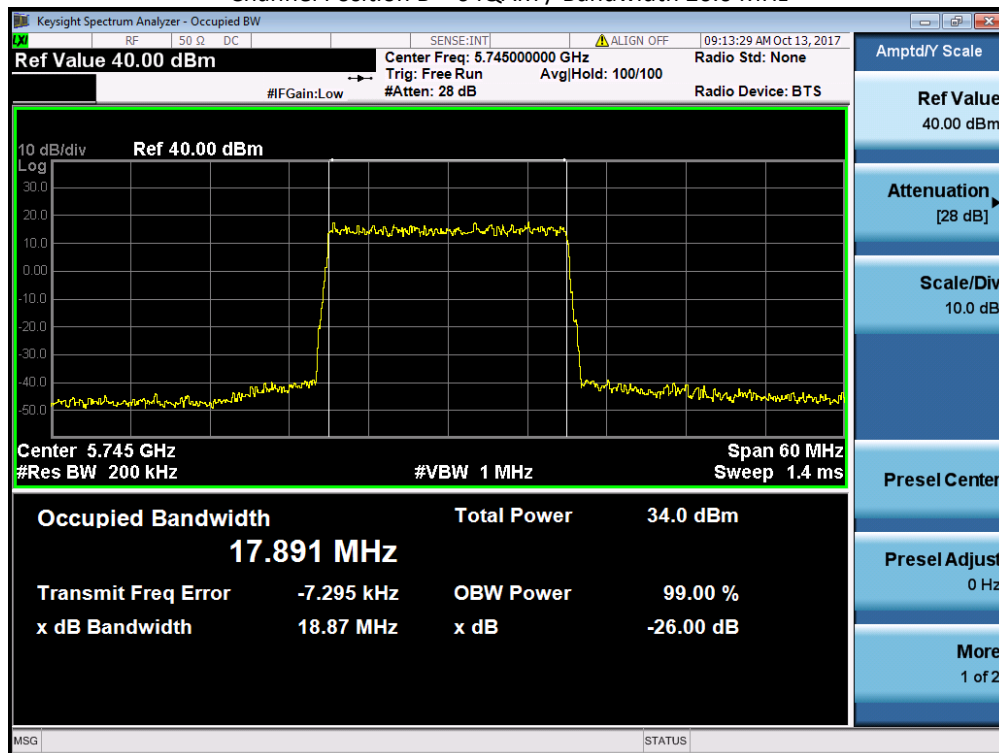
Channel Position M – 16QAM / Bandwidth 20.0 MHz



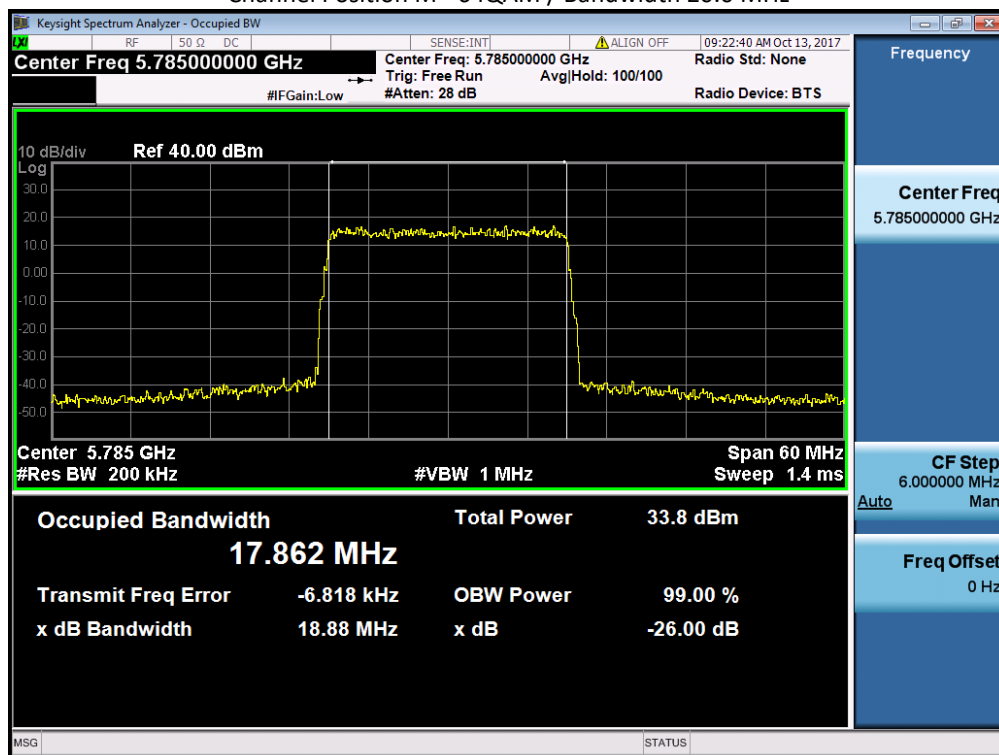
Channel Position T – 16QAM / Bandwidth 20.0 MHz



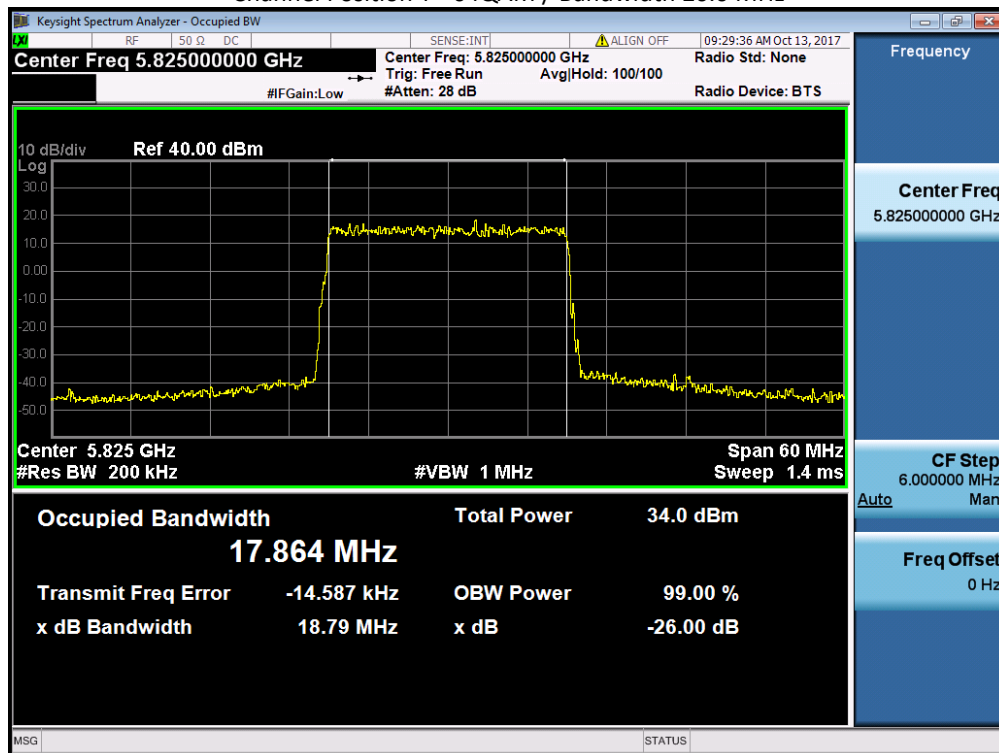
Channel Position B – 64QAM / Bandwidth 20.0 MHz



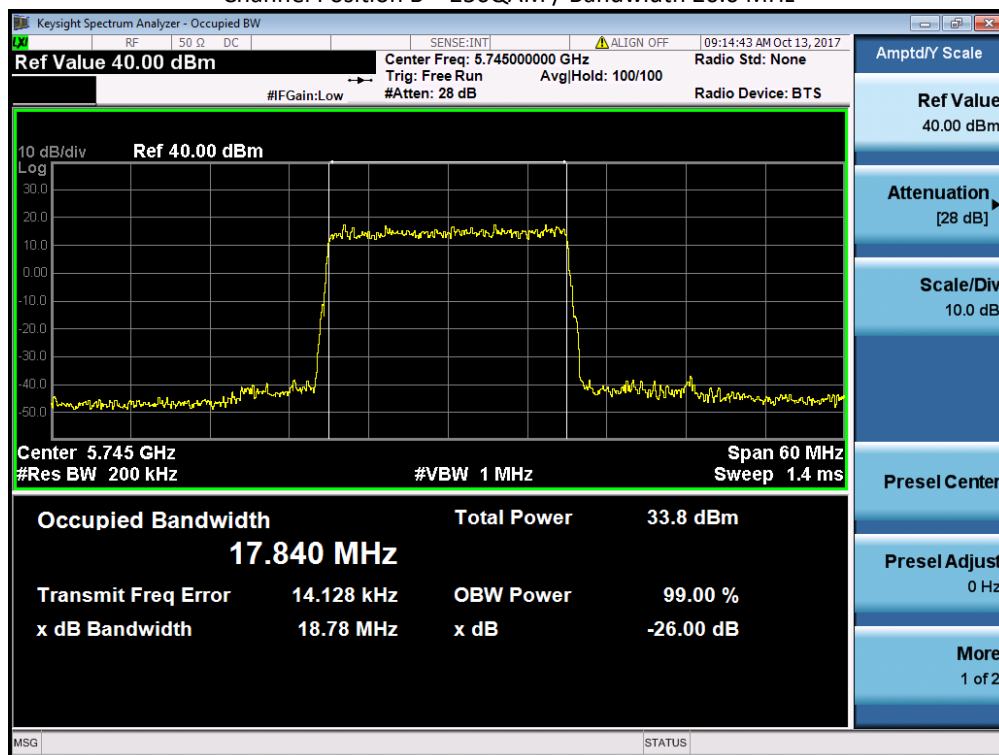
Channel Position M - 64QAM / Bandwidth 20.0 MHz



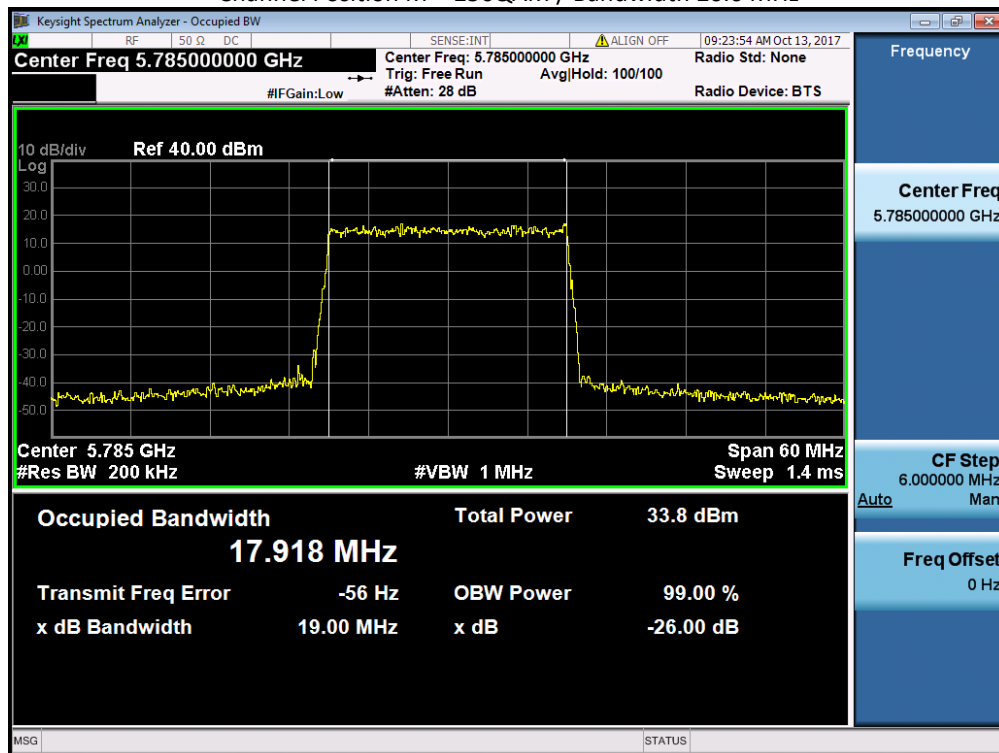
Channel Position T - 64QAM / Bandwidth 20.0 MHz



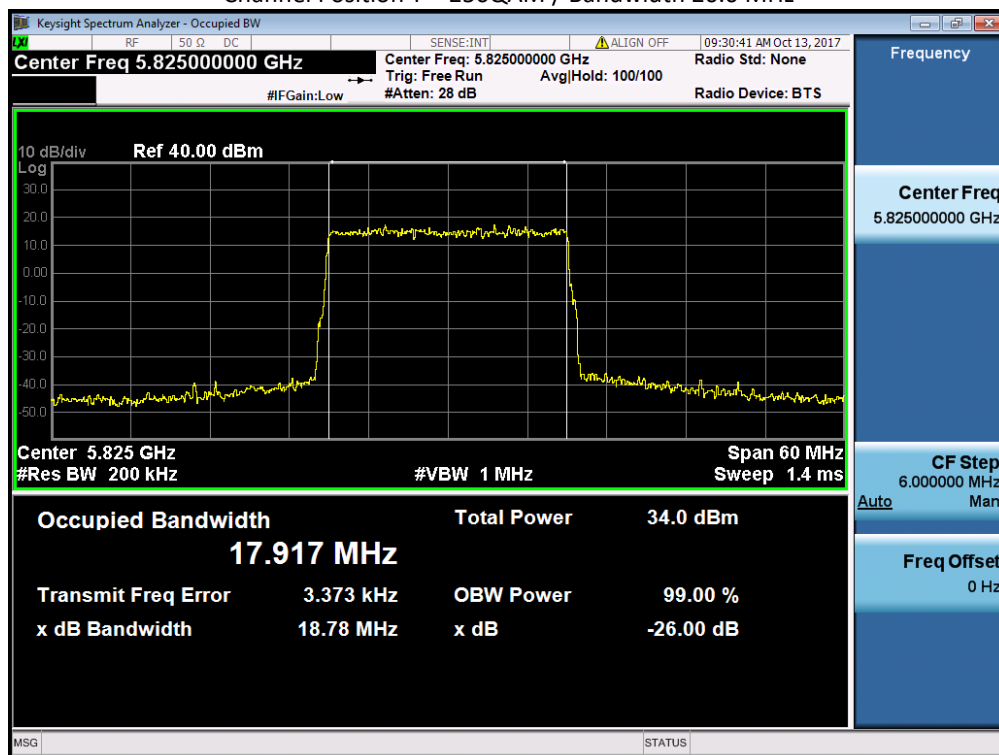
Channel Position B – 256QAM / Bandwidth 20.0 MHz



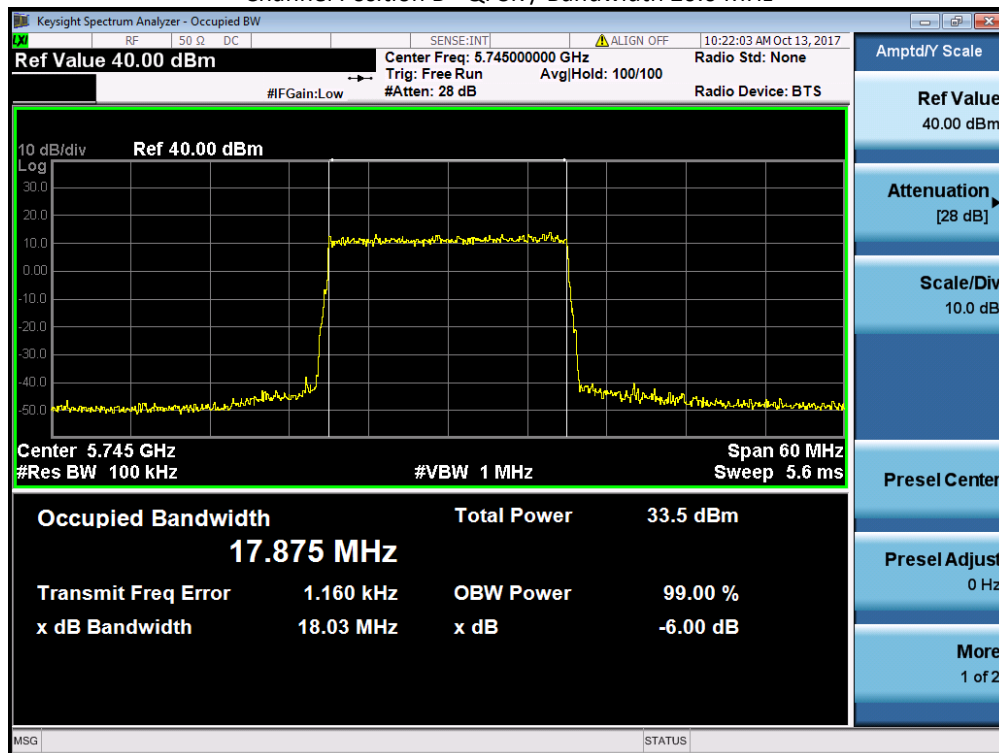
Channel Position M – 256QAM / Bandwidth 20.0 MHz



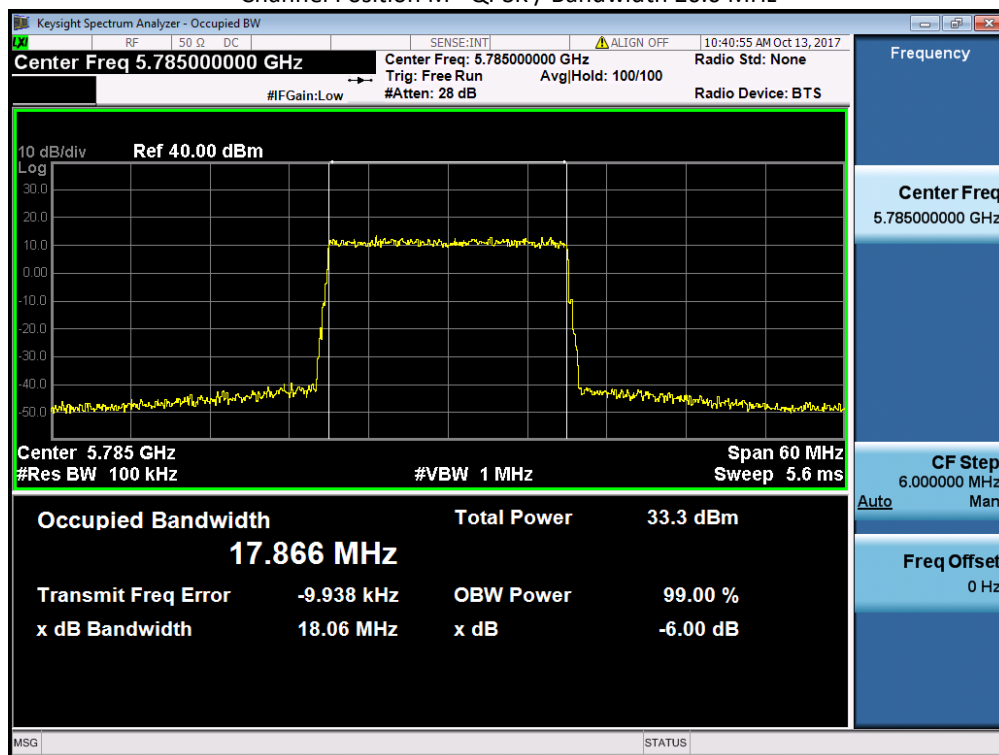
Channel Position T – 256QAM / Bandwidth 20.0 MHz



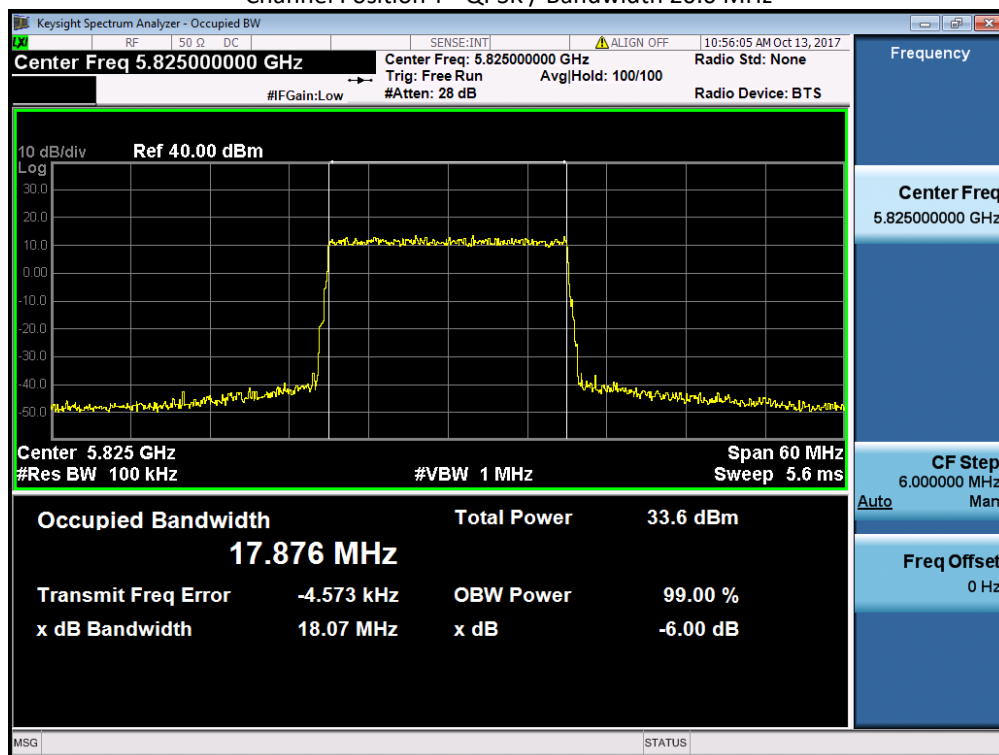
Channel Position B - QPSK / Bandwidth 20.0 MHz



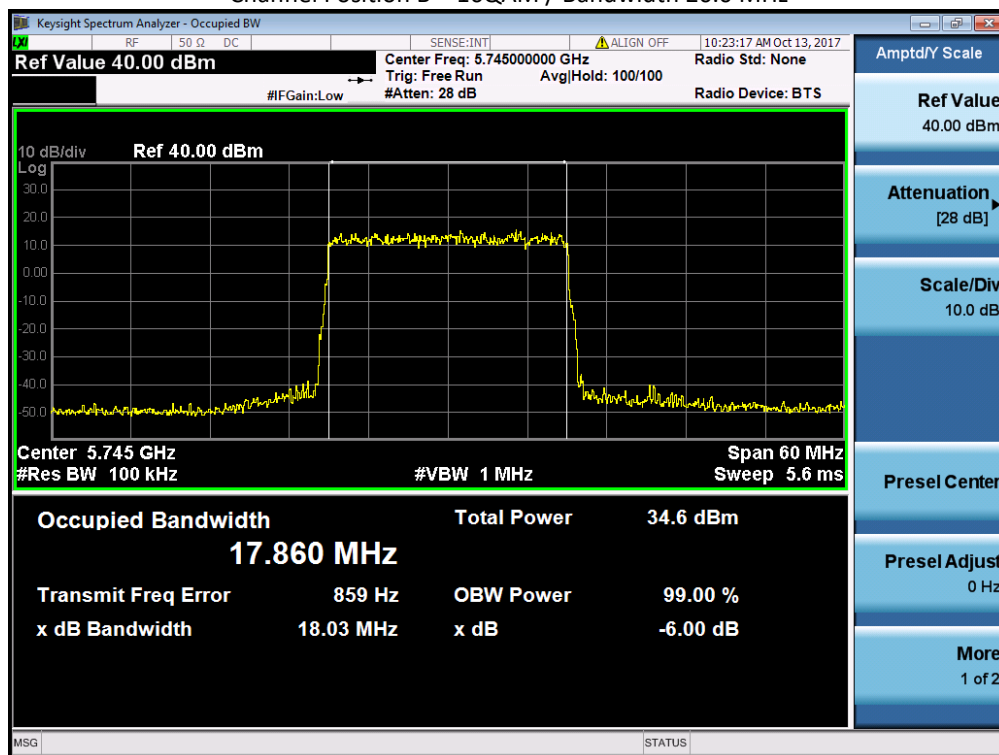
Channel Position M - QPSK / Bandwidth 20.0 MHz



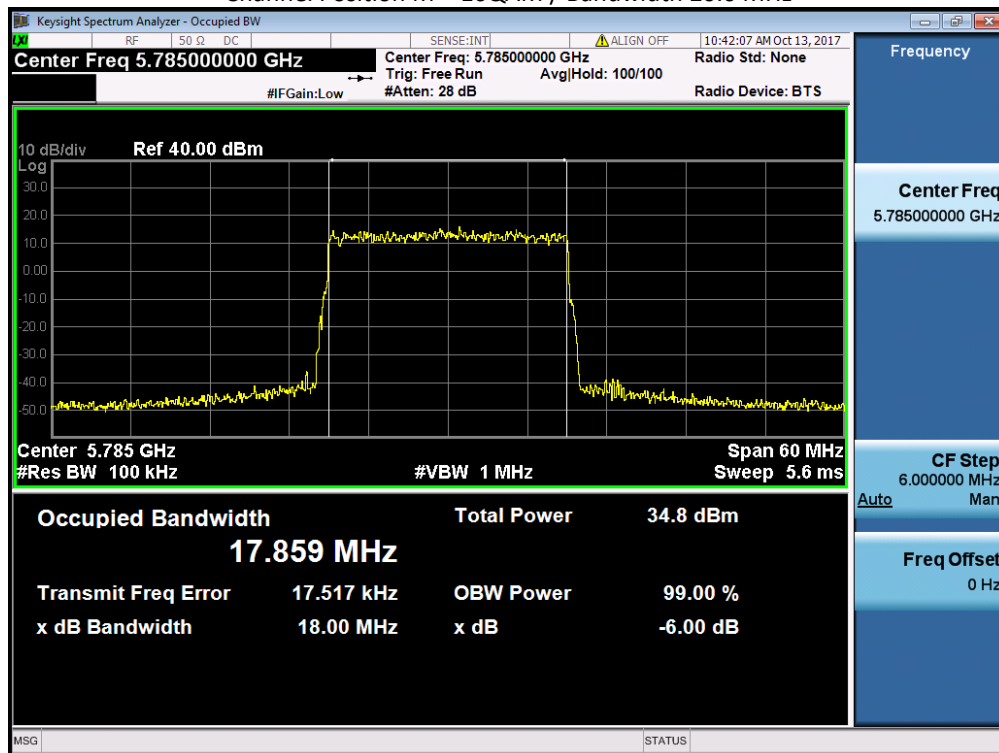
Channel Position T - QPSK / Bandwidth 20.0 MHz



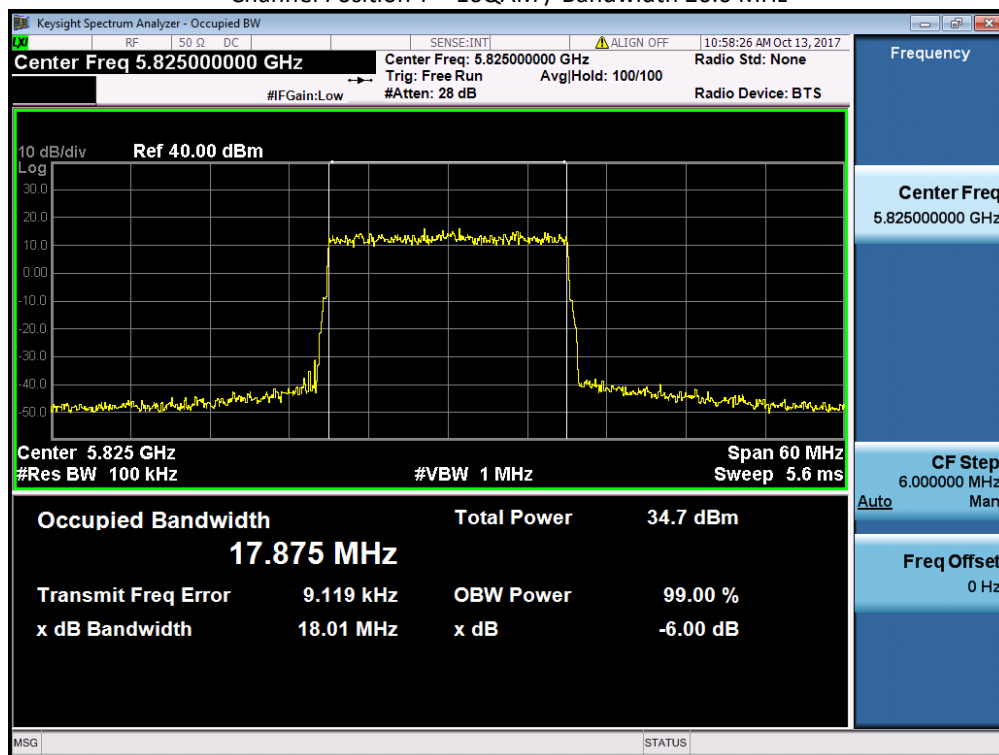
Channel Position B – 16QAM / Bandwidth 20.0 MHz



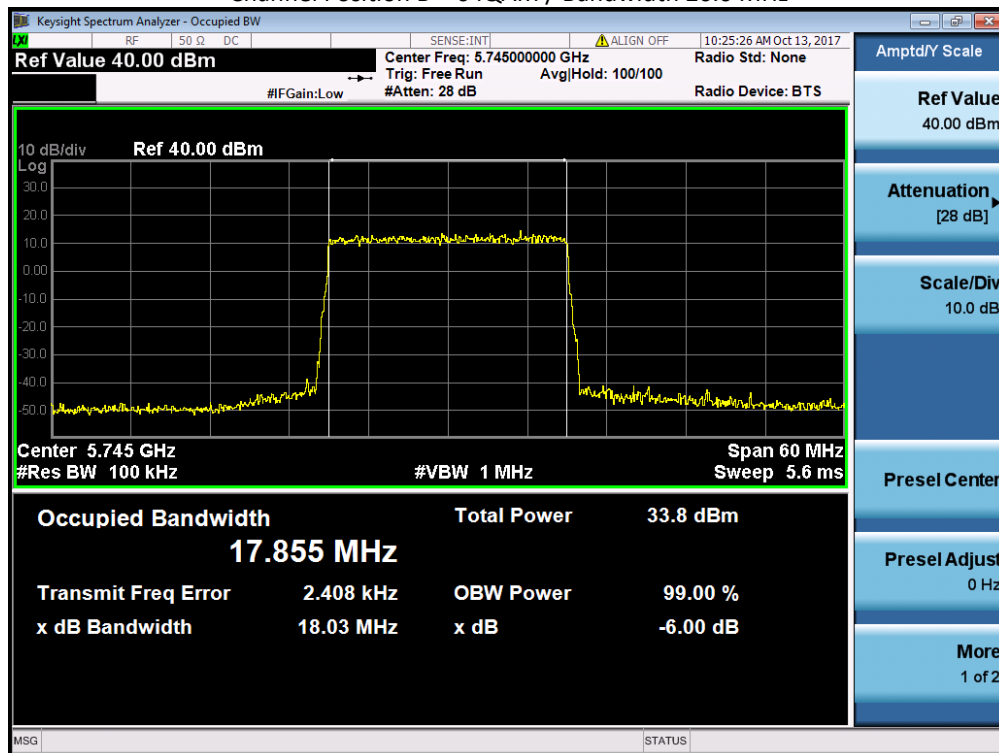
Channel Position M – 16QAM / Bandwidth 20.0 MHz



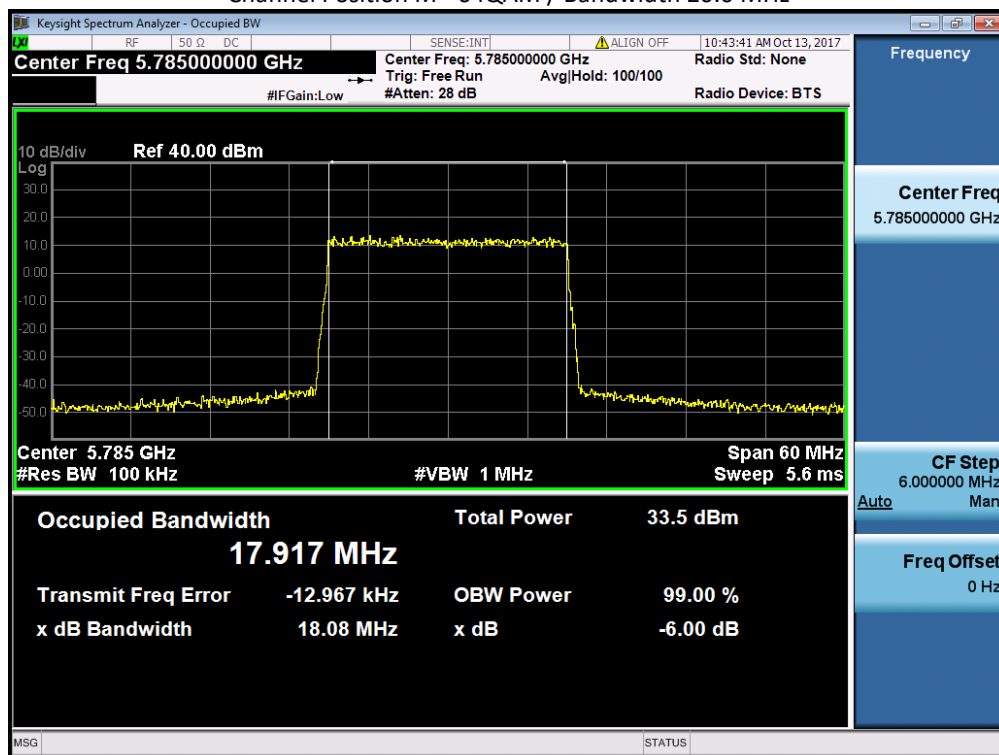
Channel Position T – 16QAM / Bandwidth 20.0 MHz



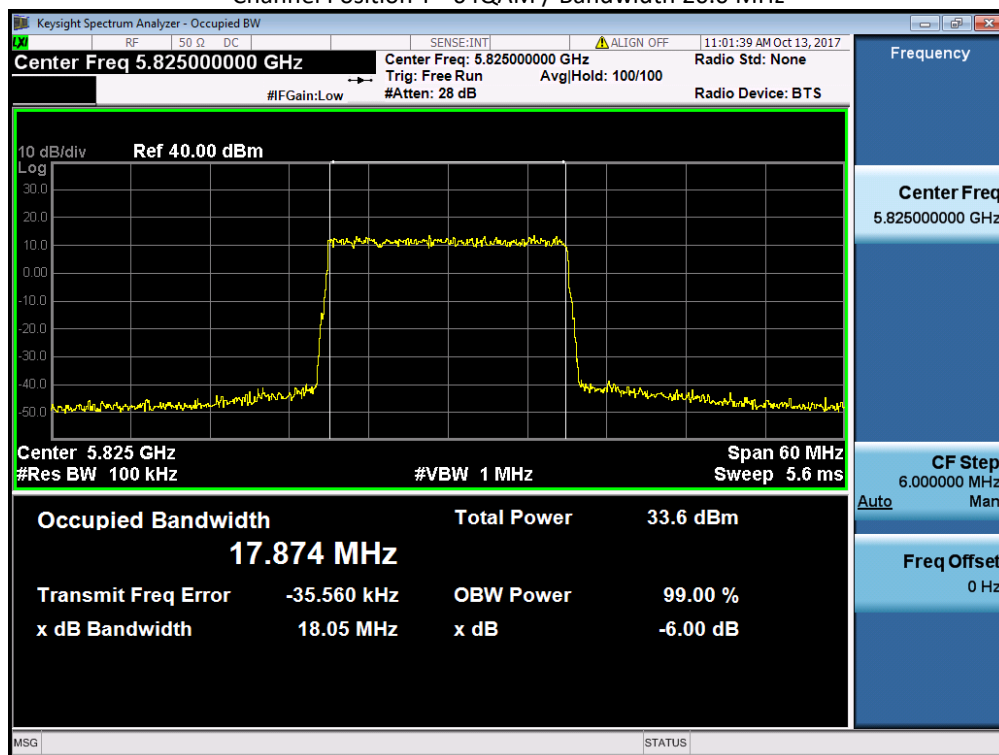
Channel Position B – 64QAM / Bandwidth 20.0 MHz



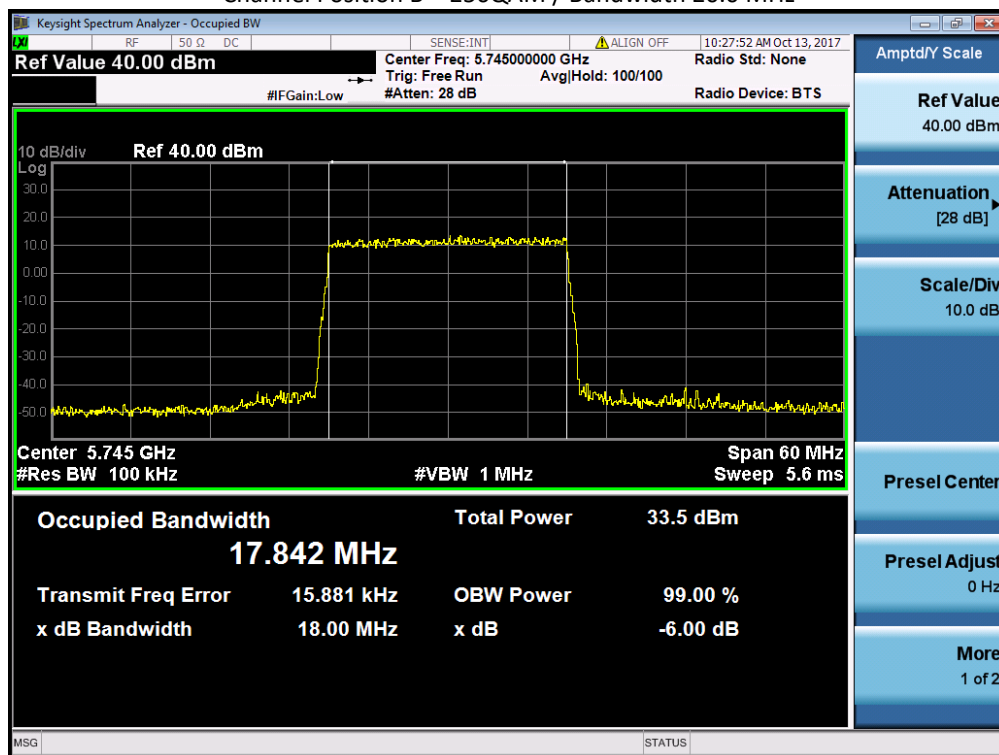
Channel Position M - 64QAM / Bandwidth 20.0 MHz



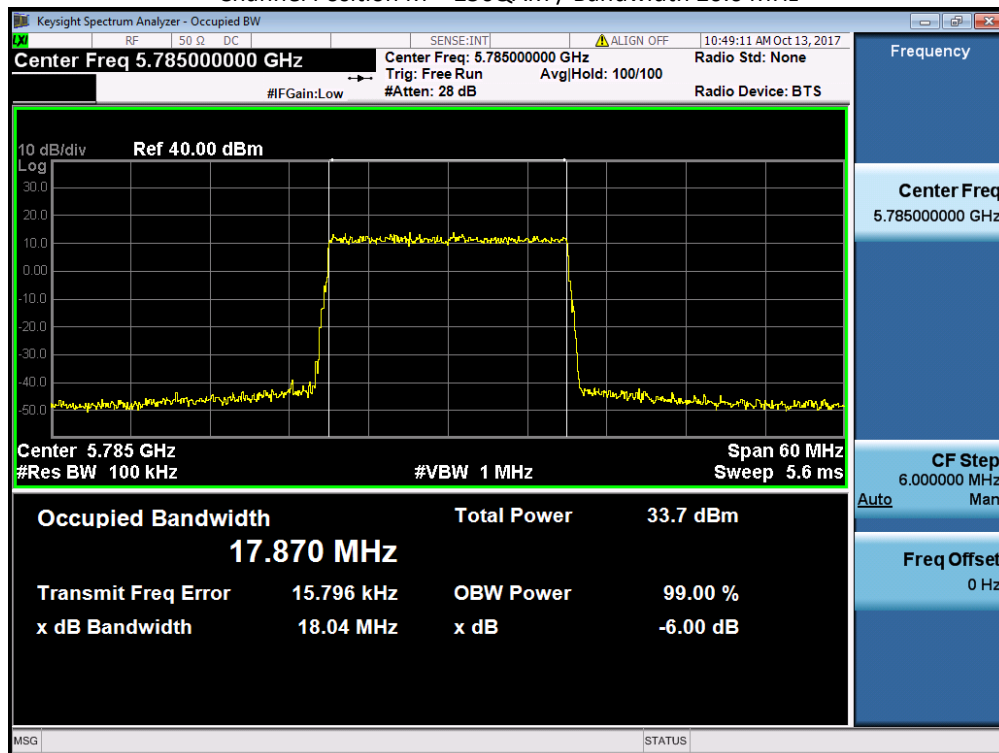
Channel Position T - 64QAM / Bandwidth 20.0 MHz



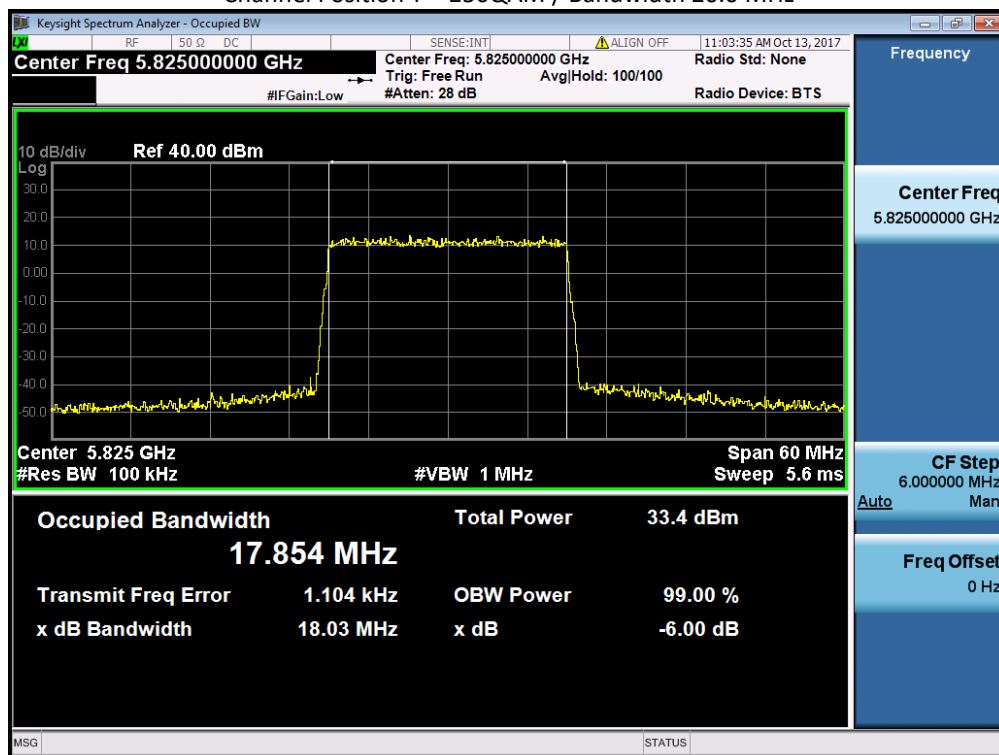
Channel Position B - 256QAM / Bandwidth 20.0 MHz



Channel Position M – 256QAM / Bandwidth 20.0 MHz



Channel Position T – 256QAM / Bandwidth 20.0 MHz



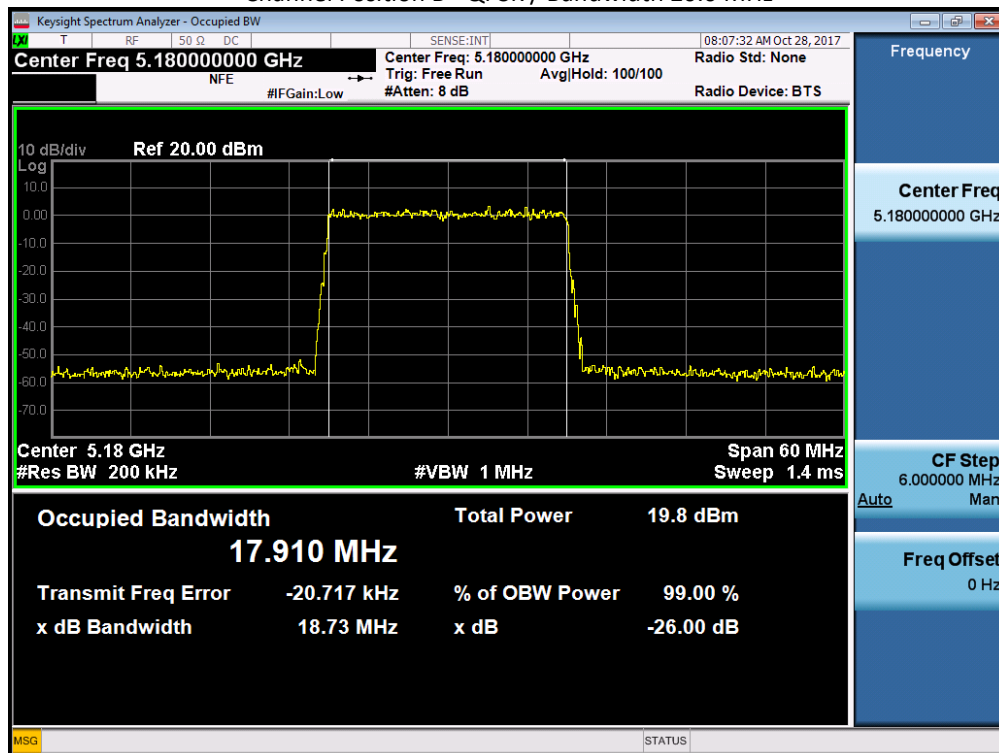
Configuration B3

L-MIMO-SC

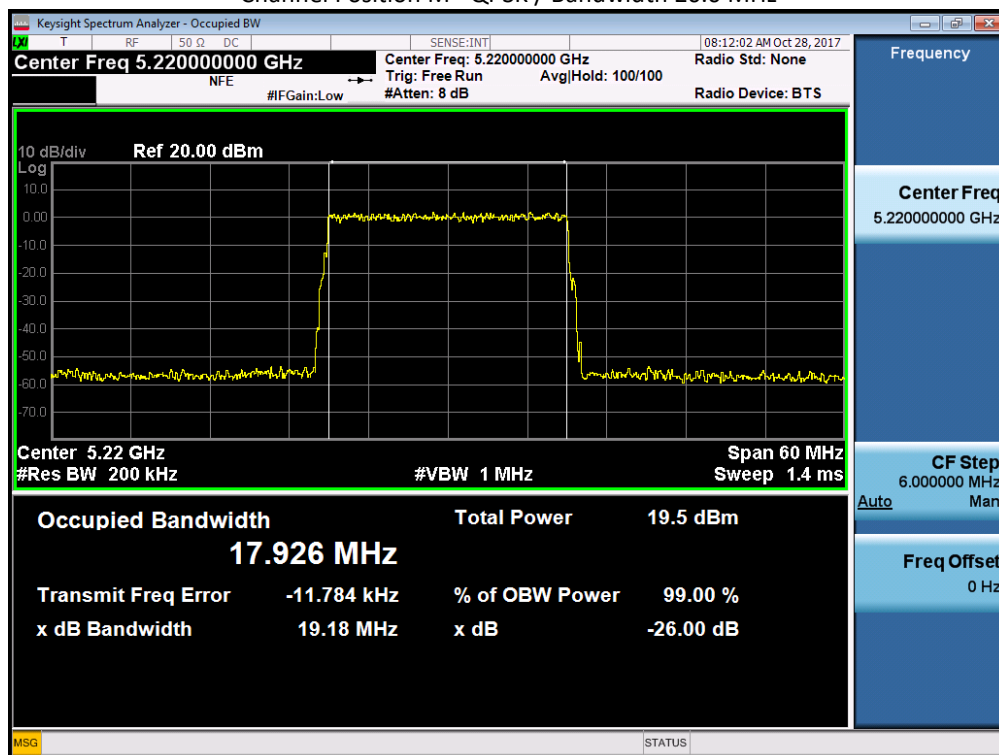
Maximum Output Power 12dBm per port:

| Modulation /<br>Bandwidth | Occupied Bandwidth (MHz)      |                  |                               |                  |                               |                  |
|---------------------------|-------------------------------|------------------|-------------------------------|------------------|-------------------------------|------------------|
|                           | Channel Position B<br>5180MHz |                  | Channel Position M<br>5220MHz |                  | Channel Position T<br>5240MHz |                  |
|                           | -26dB<br>Bandwidth            | 99%<br>Bandwidth | -26dB<br>Bandwidth            | 99%<br>Bandwidth | -26dB<br>Bandwidth            | 99%<br>Bandwidth |
| QPSK / 20.0MHz            | 18.73                         | 17.910           | 19.18                         | 17.926           | 18.97                         | 17.794           |
| 16QAM / 20.0MHz           | 18.72                         | 17.956           | 18.79                         | 17.869           | 18.94                         | 17.959           |
| 64QAM / 20.0MHz           | 18.90                         | 17.864           | 18.76                         | 17.868           | 18.87                         | 17.908           |
| 256QAM / 20.0MHz          | 18.97                         | 17.881           | 18.92                         | 17.897           | 18.80                         | 17.893           |

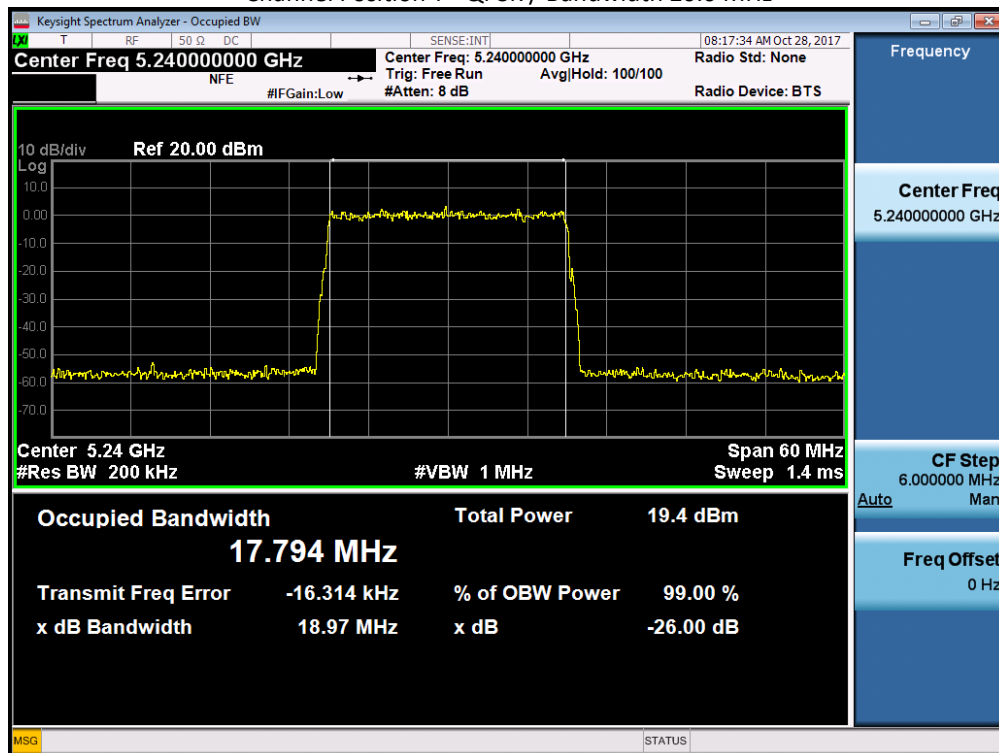
Channel Position B - QPSK / Bandwidth 20.0 MHz



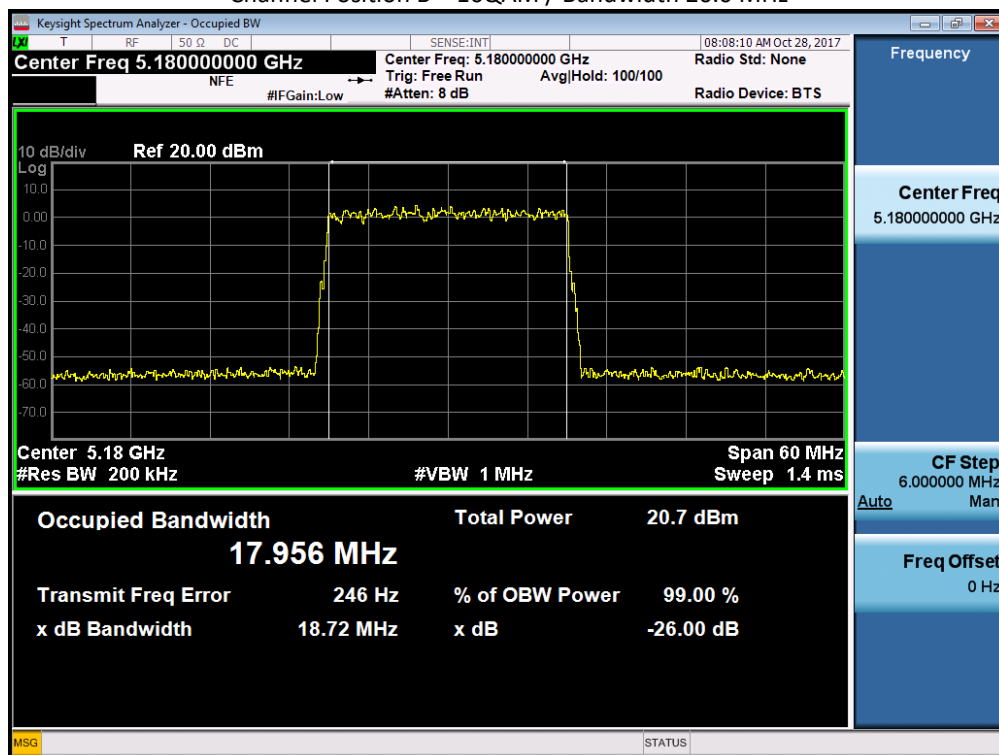
Channel Position M - QPSK / Bandwidth 20.0 MHz



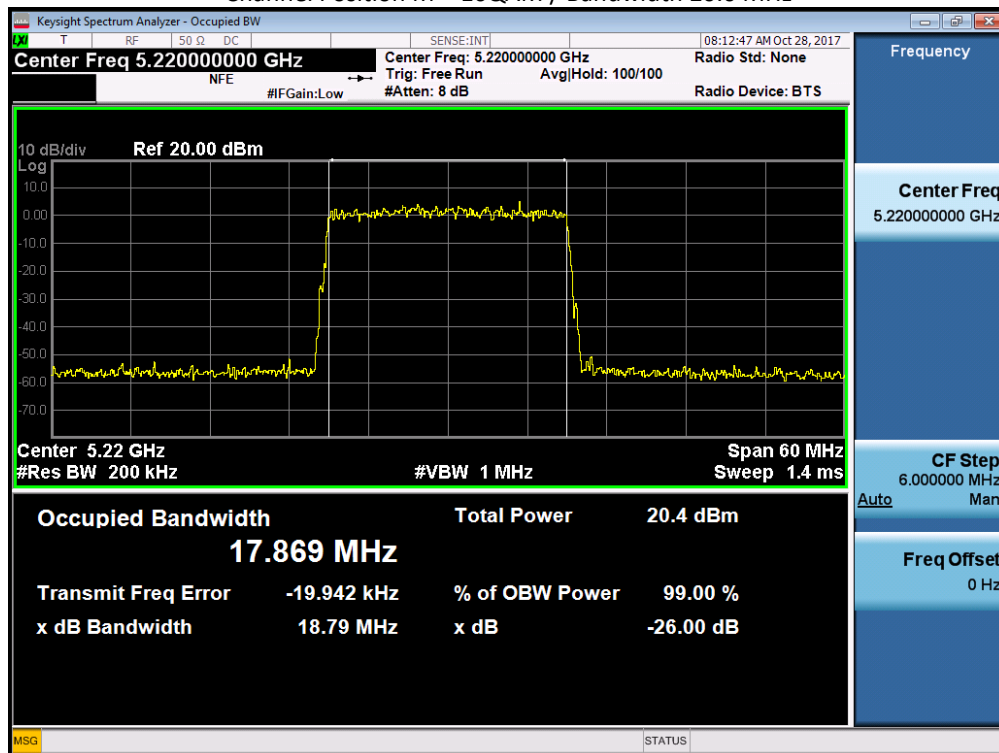
Channel Position T - QPSK / Bandwidth 20.0 MHz



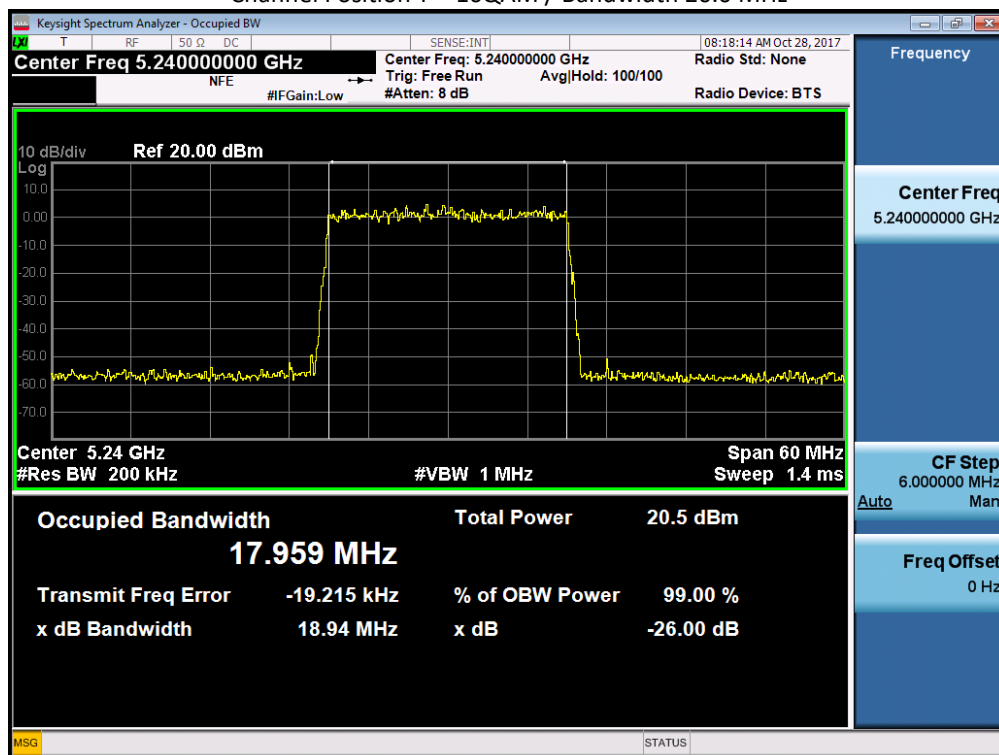
Channel Position B – 16QAM / Bandwidth 20.0 MHz



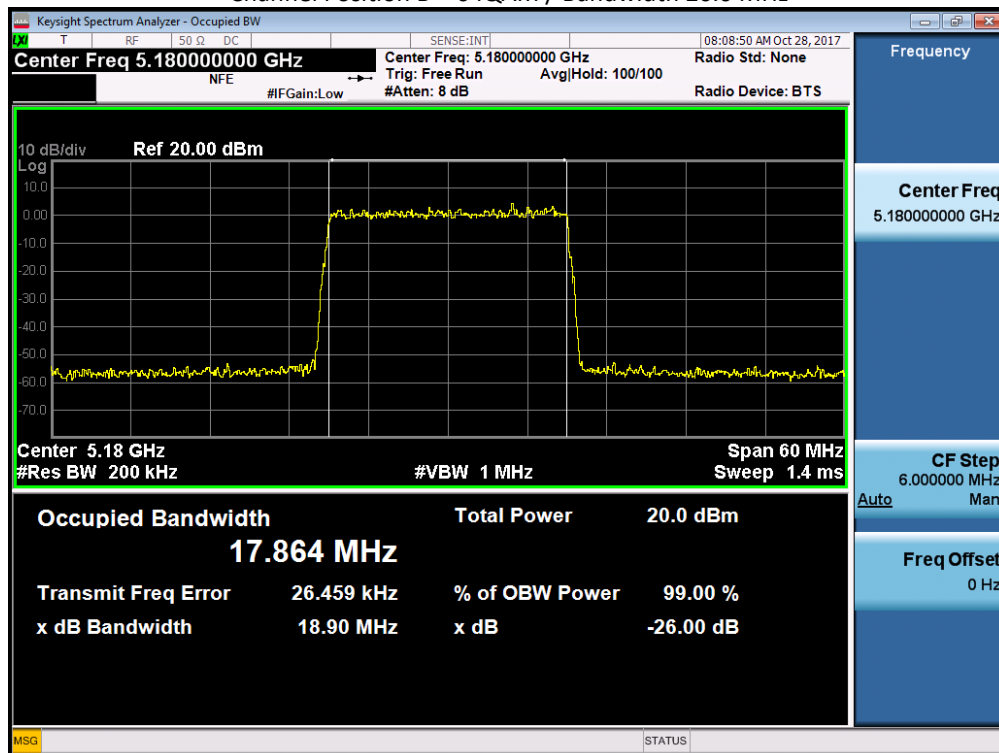
Channel Position M – 16QAM / Bandwidth 20.0 MHz



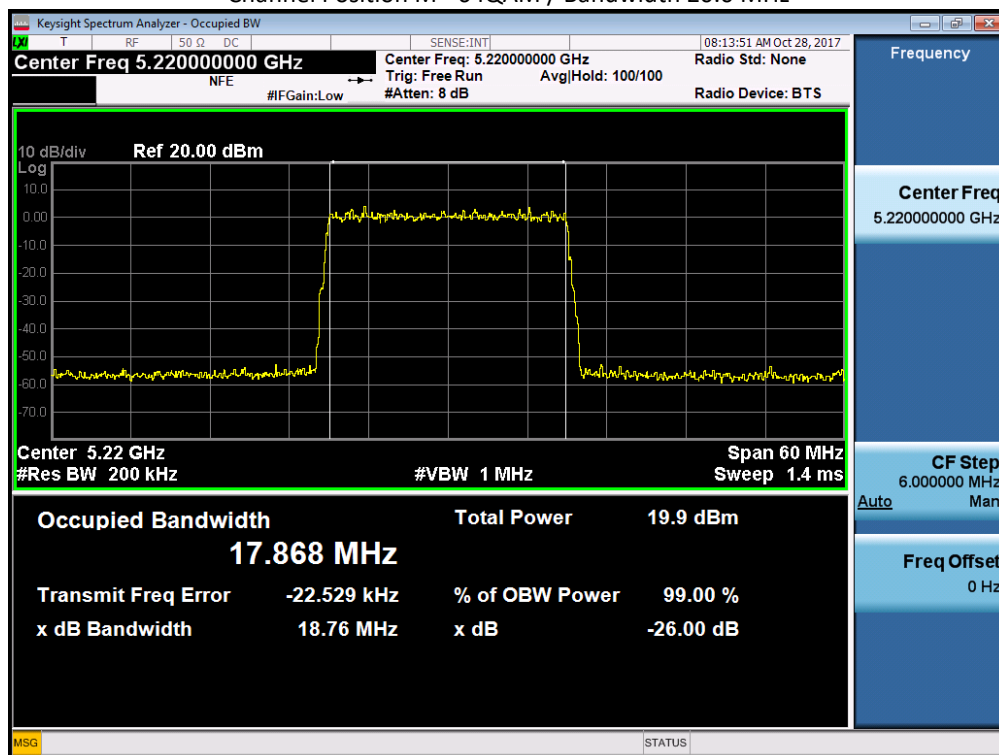
Channel Position T – 16QAM / Bandwidth 20.0 MHz



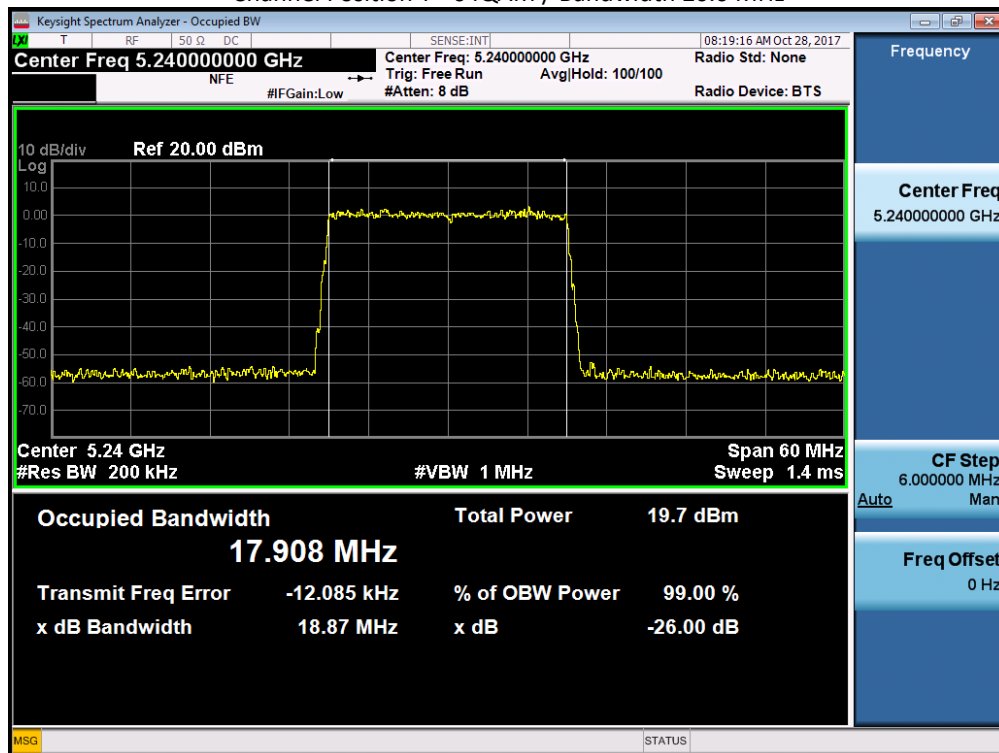
Channel Position B – 64QAM / Bandwidth 20.0 MHz



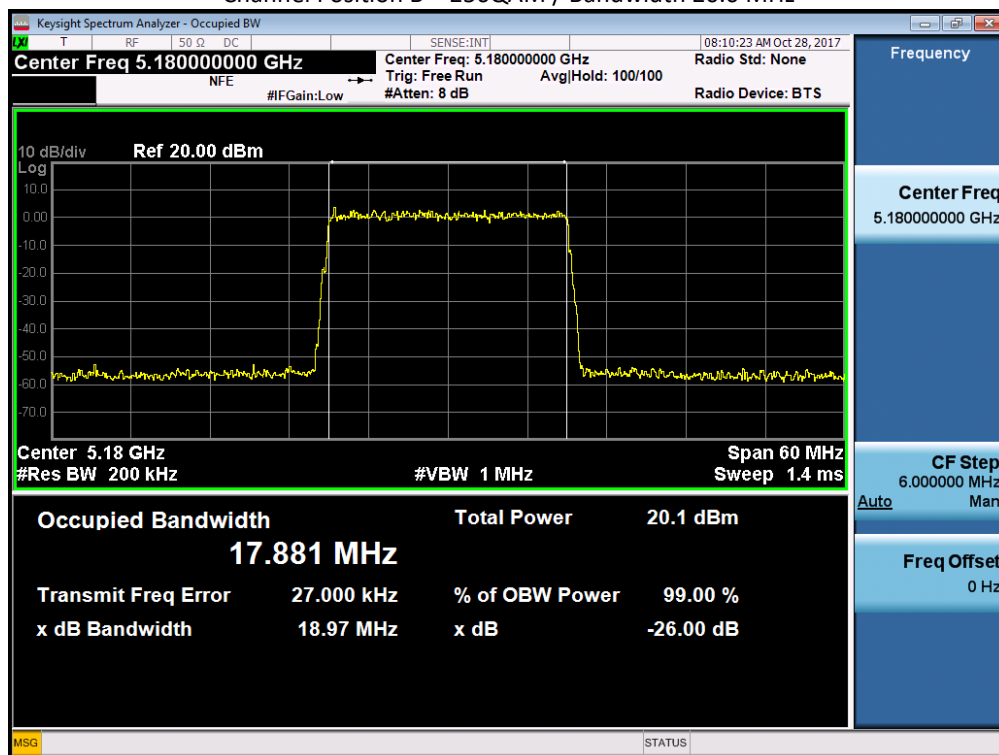
Channel Position M - 64QAM / Bandwidth 20.0 MHz



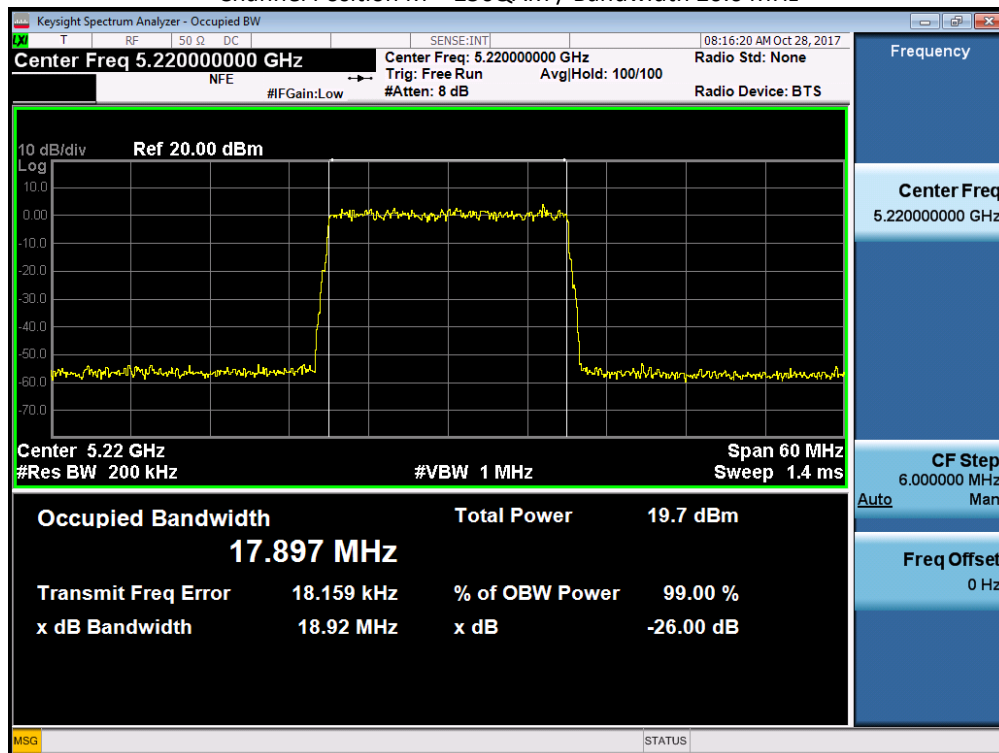
Channel Position T - 64QAM / Bandwidth 20.0 MHz



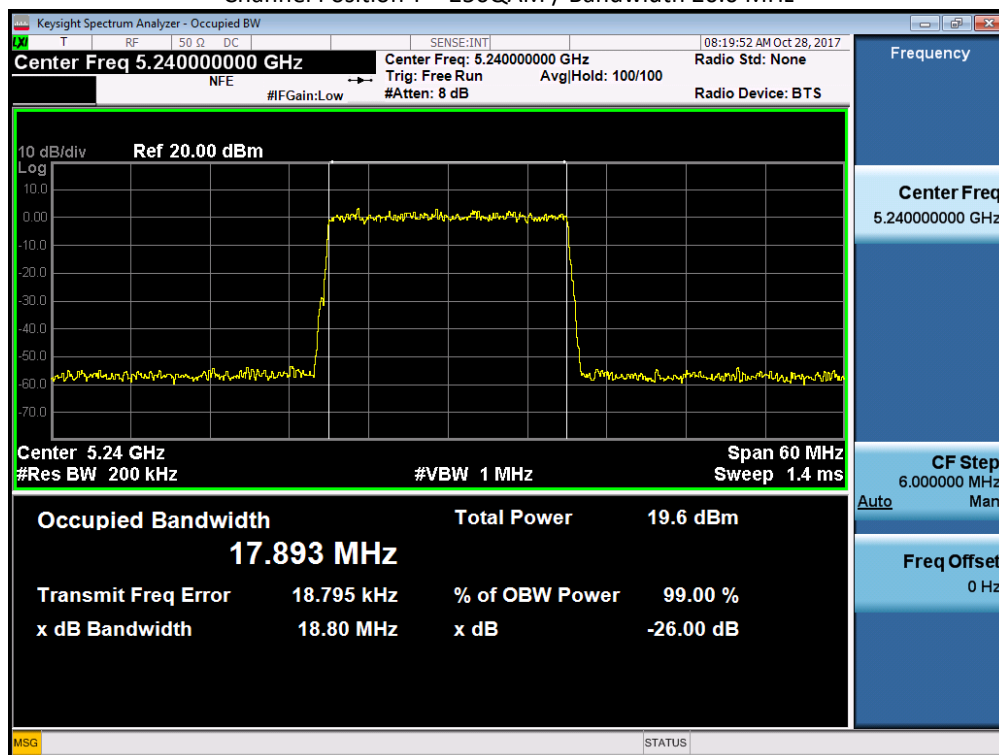
Channel Position B - 256QAM / Bandwidth 20.0 MHz



Channel Position M – 256QAM / Bandwidth 20.0 MHz



Channel Position T – 256QAM / Bandwidth 20.0 MHz



## 6 Undesirable Emission - Conducted

**Test result:** Pass

### 6.1 Limit

For transmitters operating in the 5.15 - 5.25 GHz band: All emissions outside of the 5.15 - 5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.725 - 5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

### 6.2 Test Method

The test was applied in accordance with the test method requirements of FCC CFR 47 Part 15, clause 15.407(b) and clause 15.209, and RSS-247 Clause 6.

In accordance with FCC CFR 47 Part 15, Clause 15.407 (b) and RSS-247 Clause 6, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (1) For transmitters operating in the 5.15 - 5.25 GHz band: All emissions outside of the 5.15 - 5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (2) For transmitters operating in the 5.725 - 5.85 GHz band:  
All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
- (3) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209.
- (4) The provisions of § 15.205 apply to intentional radiators operating under this section.  
The spurious emissions from the antenna terminal were measured. The transmitter output power was attenuated using an attenuator and the frequency spectrum investigated from 1MHz to 40GHz. The resolution bandwidth of 1MHz was employed for frequency band 1MHz to 40GHz. The spectrum analyzer was set to peak detection and max hold mode.

For MIMO mode configurations, the limit was adjusted with a correction of -3.01dB [10Log2] by using the Measure and Add 10Log(N) dB technique according to FCC KDB 662911 D01 Multiple Transmitter Output v02r01 accounting for simultaneous transmission from antenna ports RF A and RF B.

The measurements were performed on the output connector RF A. Limited complementary measurement were done at output connector RF B to verify identical performance for both transmitter chains in MIMO mode.

The maximum path loss across the measurement band was used as the reference level offset to ensure worst case.

The worst results are shown in the plots below.

### 6.3 Test results

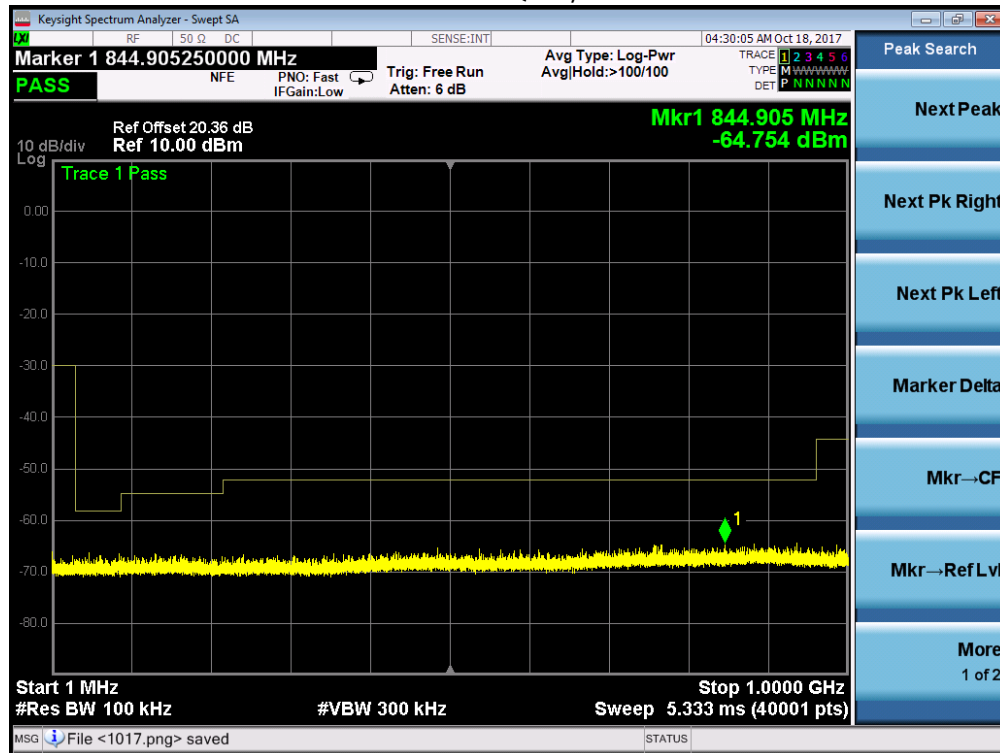
Configuration A1

L-MIMO-SC

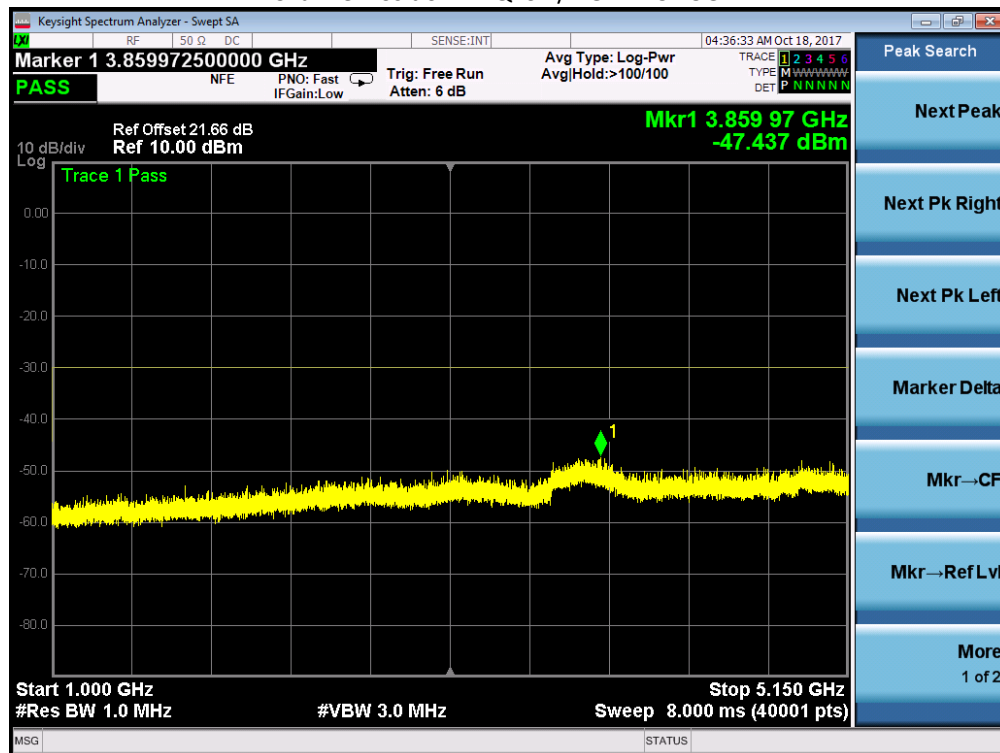
Maximum Output Power 20.5dBm per port:

| Channel Position | Bandwidth (MHz) | Channel Frequency |
|------------------|-----------------|-------------------|
| B                | 20.0 MHz        | 5180MHz           |
| M                | 20.0 MHz        | 5220MHz           |
| T                | 20.0 MHz        | 5240MHz           |

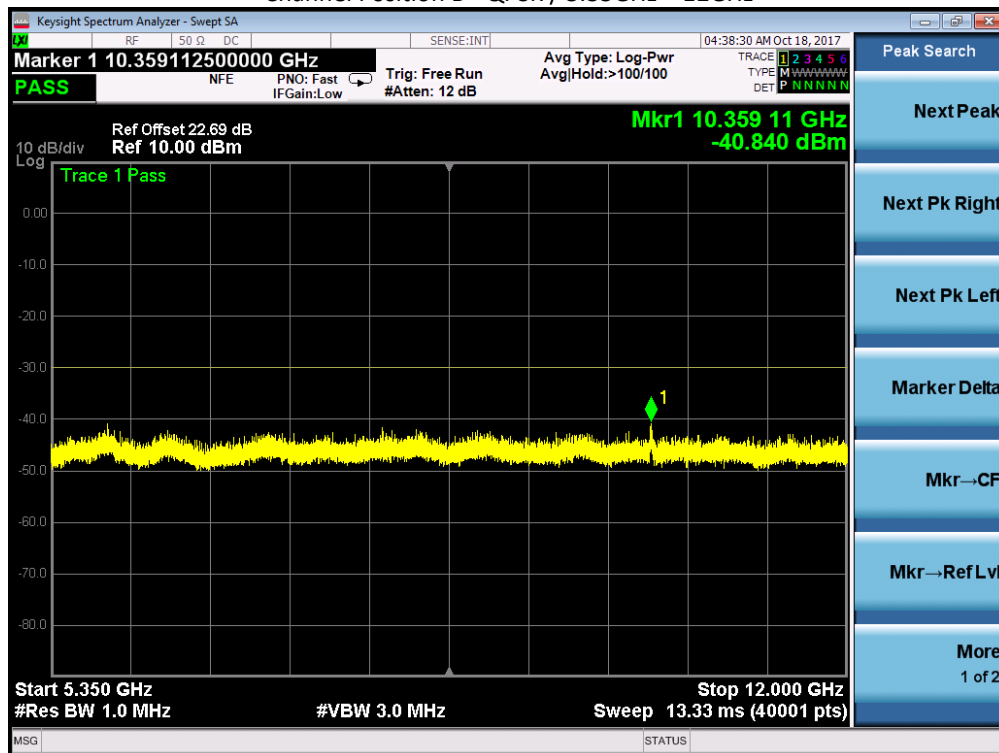
Channel Position B - QPSK / 1MHz – 1GHz



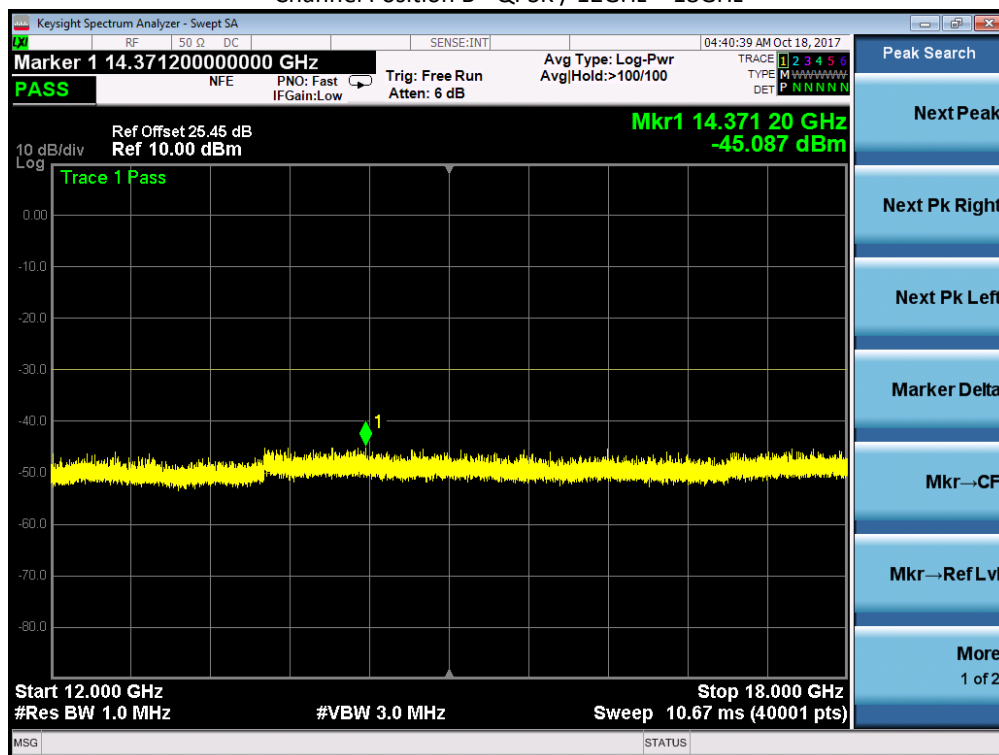
Channel Position B - QPSK / 1GHz – 5.15GHz



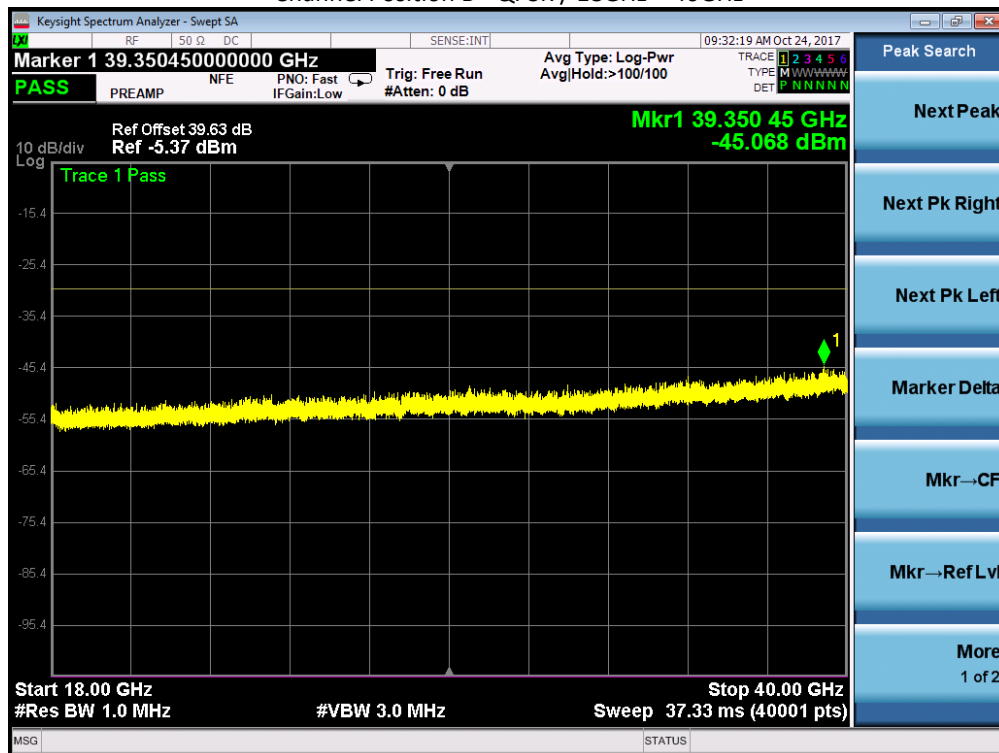
Channel Position B - QPSK / 5.35GHz – 12GHz



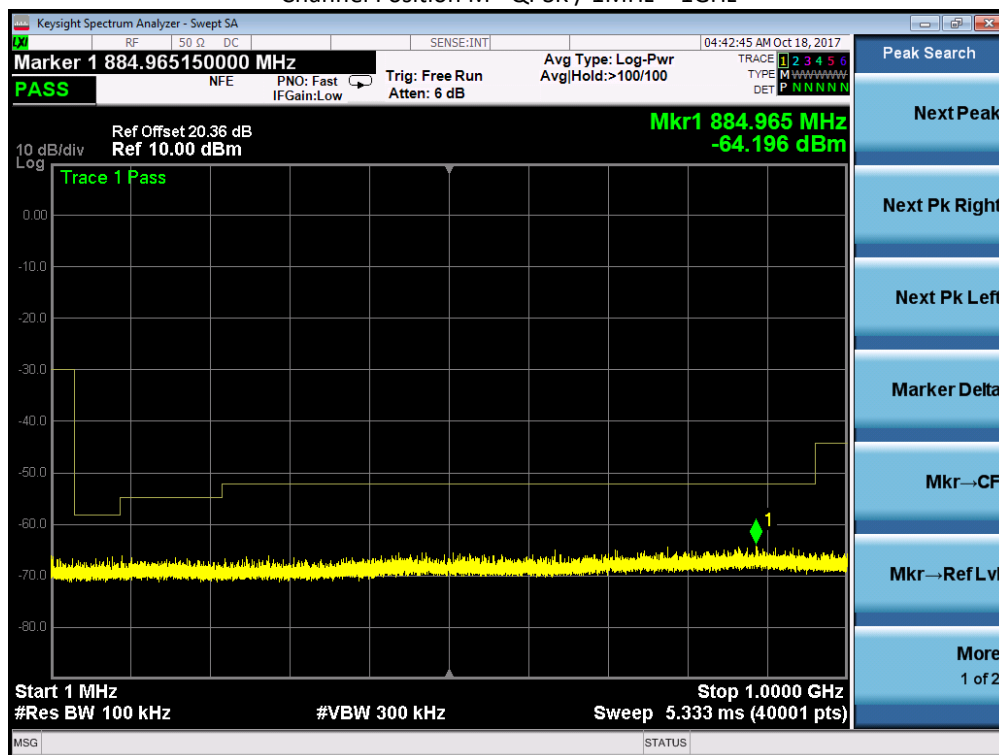
Channel Position B - QPSK / 12GHz – 18GHz



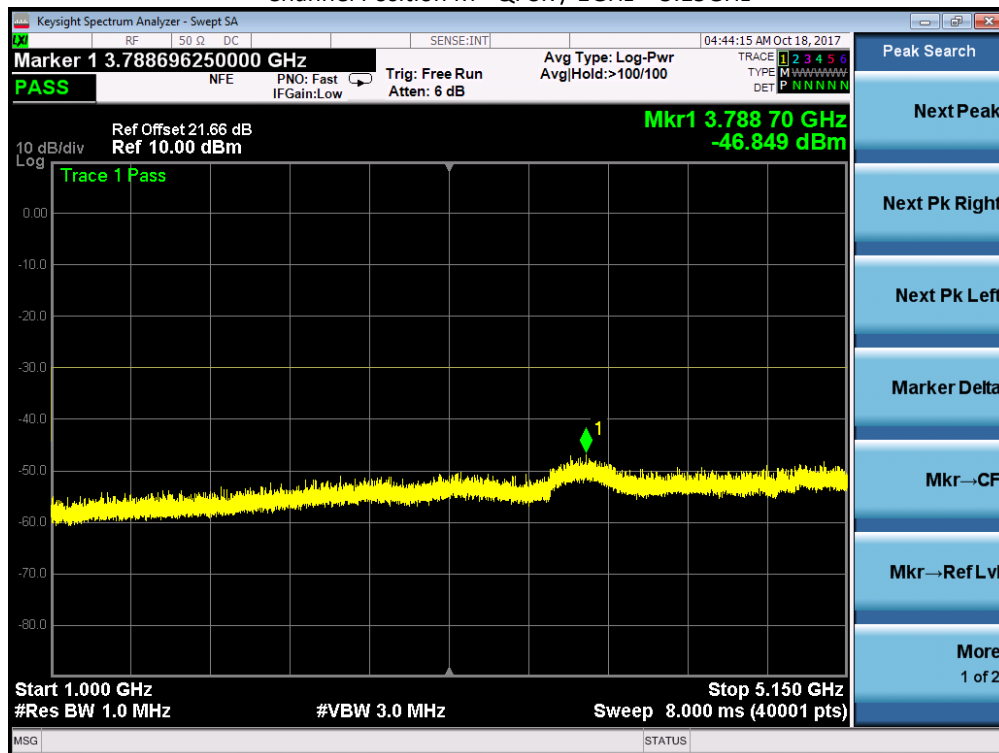
Channel Position B - QPSK / 18GHz – 40GHz



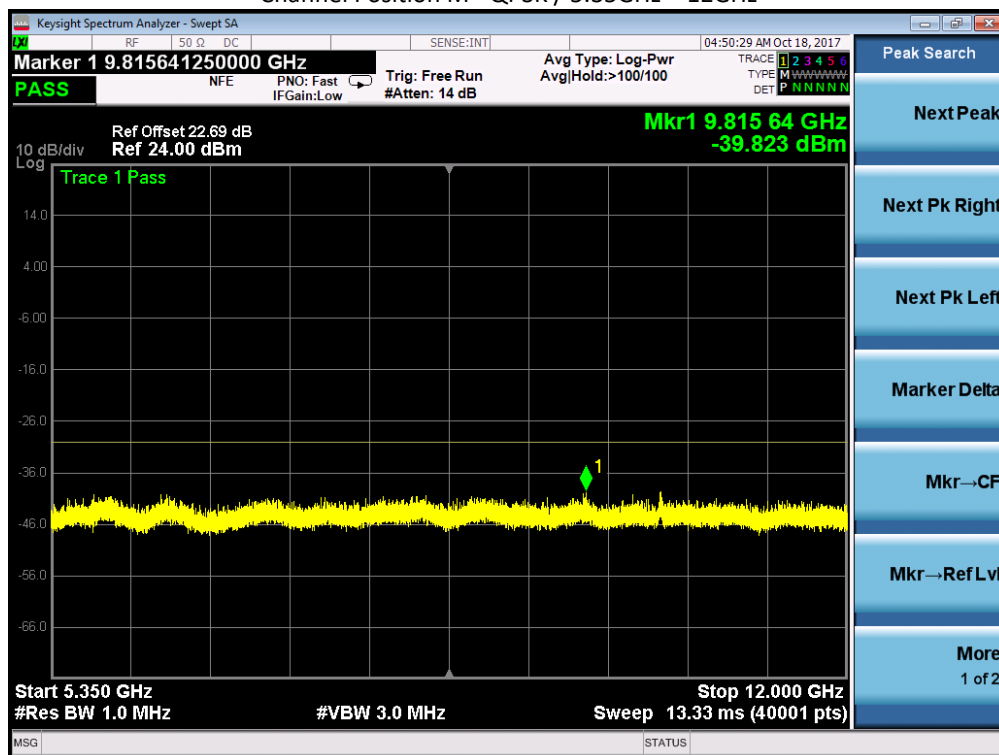
Channel Position M - QPSK / 1MHz – 1GHz



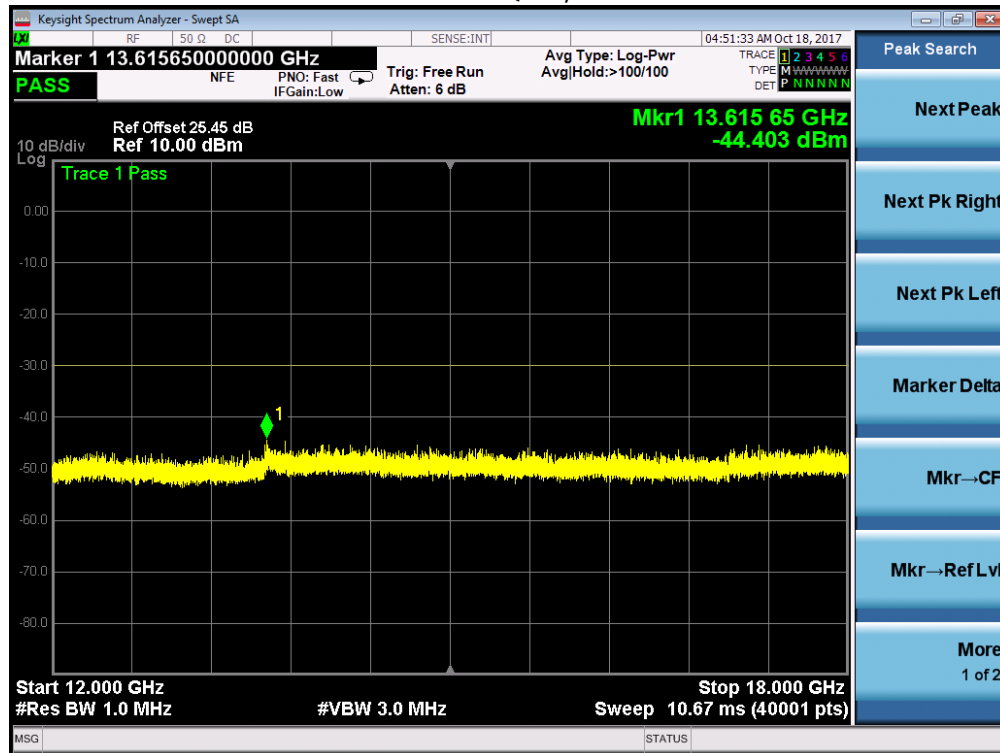
Channel Position M - QPSK / 1GHz – 5.15GHz



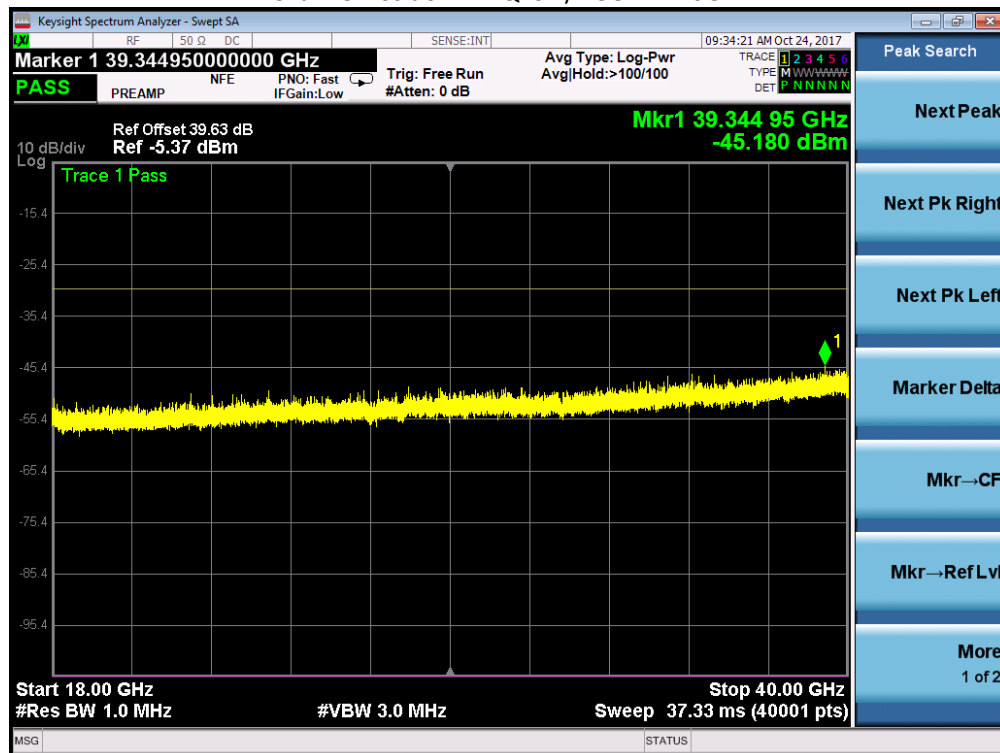
Channel Position M - QPSK / 5.35GHz – 12GHz



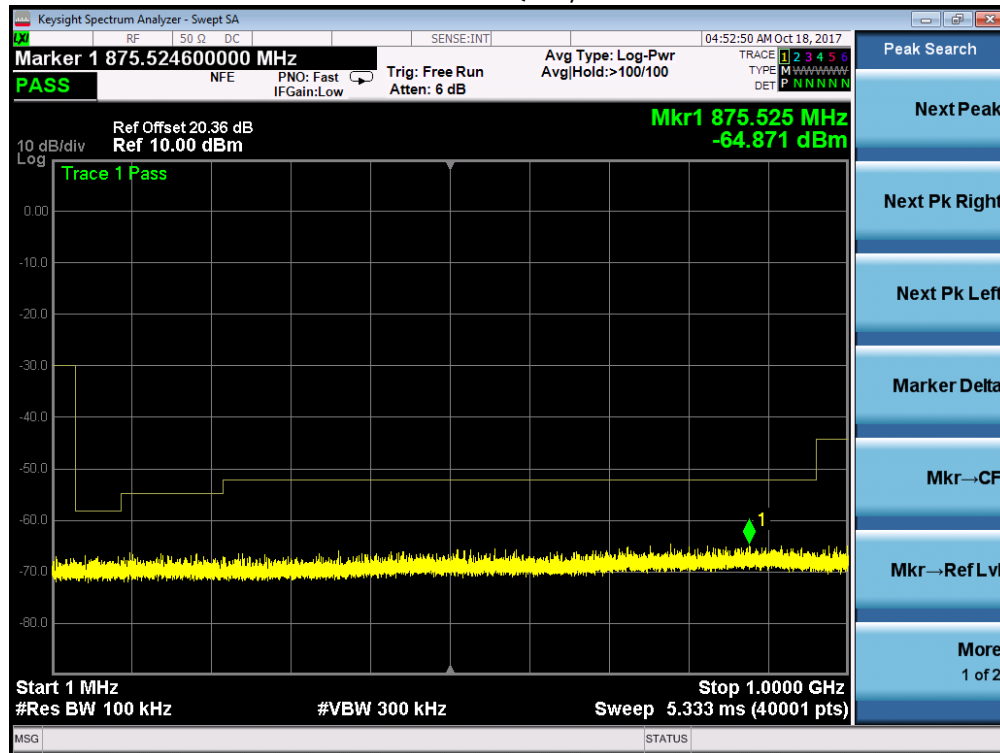
Channel Position M - QPSK / 12GHz – 18GHz



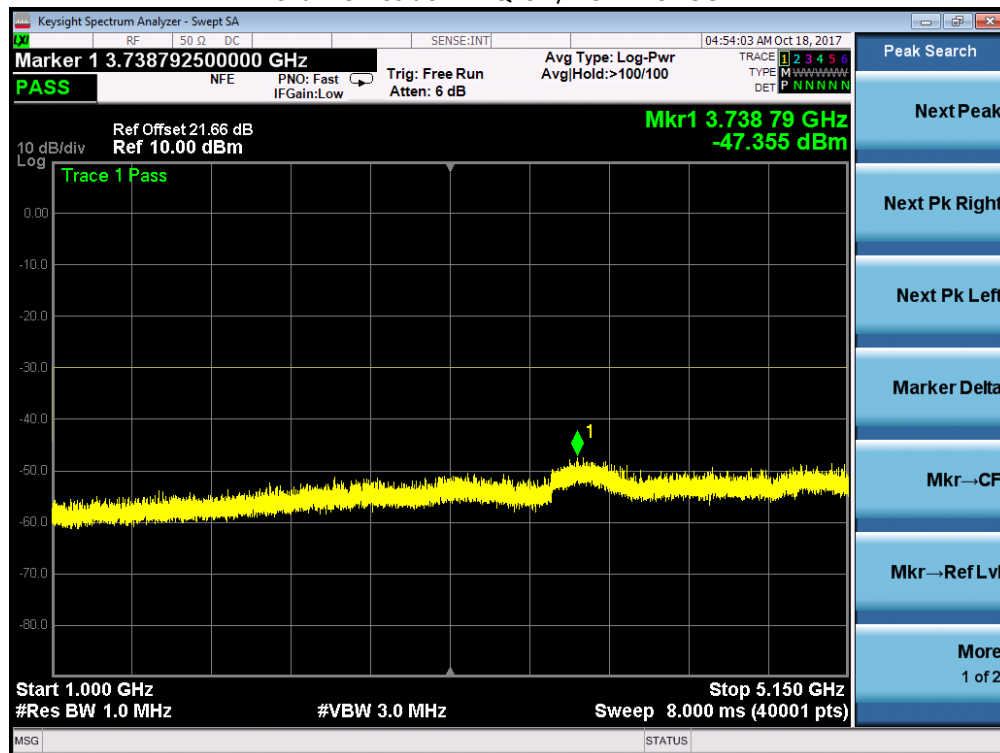
Channel Position M - QPSK / 18GHz – 40GHz



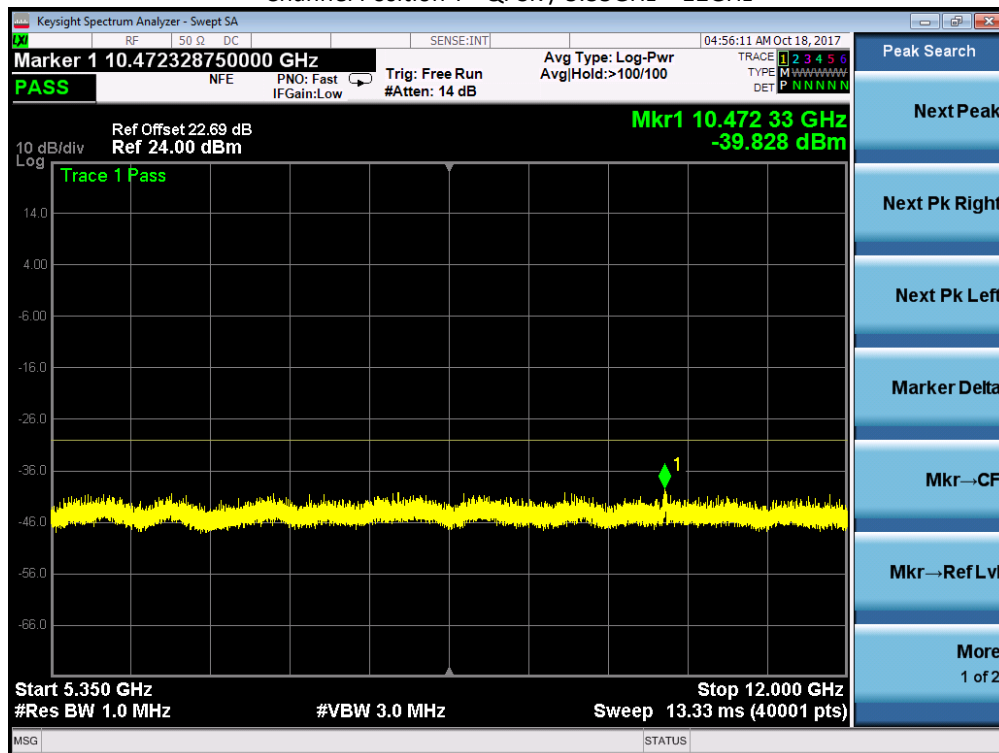
Channel Position T - QPSK / 1MHz – 1GHz



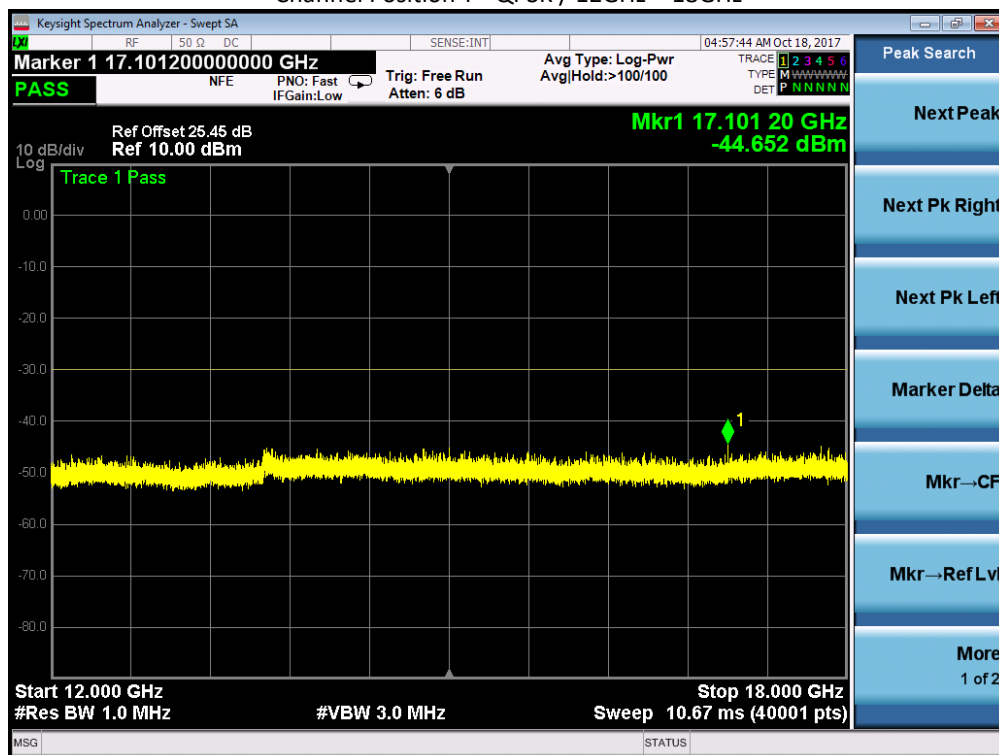
Channel Position T - QPSK / 1GHz – 5.15GHz



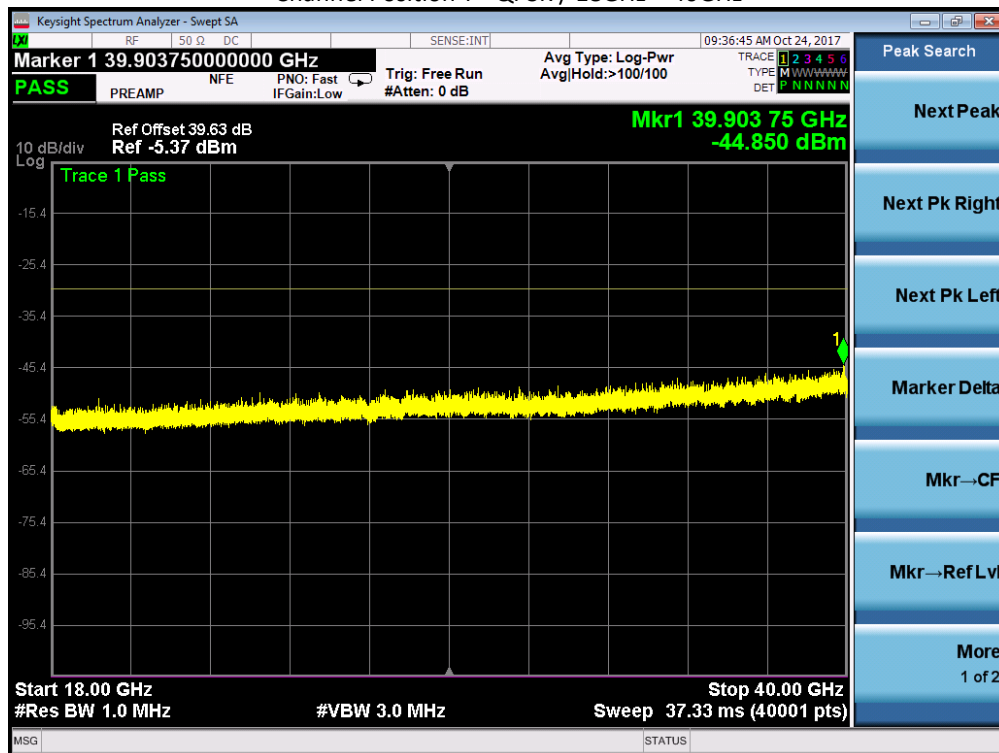
Channel Position T - QPSK / 5.35GHz – 12GHz



Channel Position T - QPSK / 12GHz – 18GHz



Channel Position T - QPSK / 18GHz – 40GHz

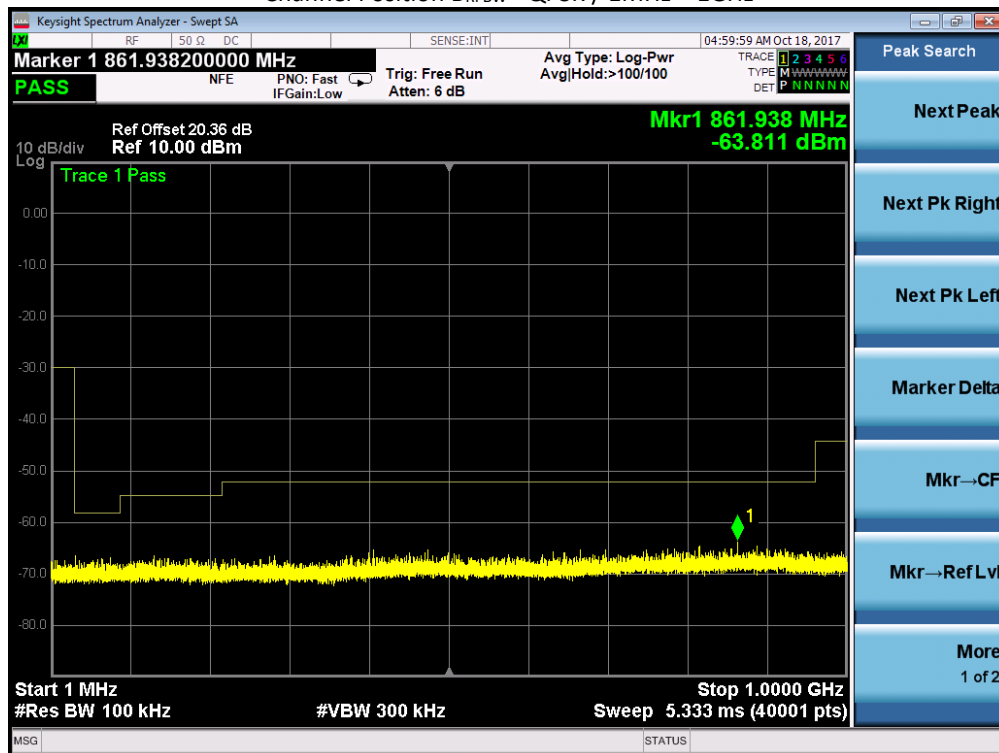


L-MIMO-MC 1 (2C)

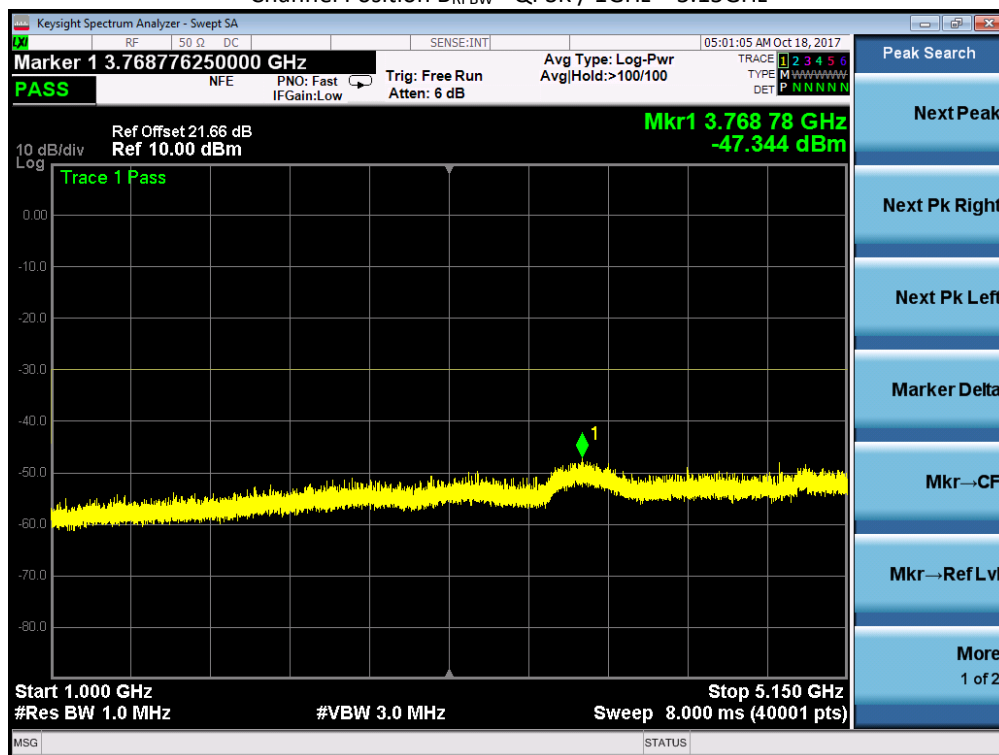
Maximum Output Power 20.5dBm per port:

| Channel Position  | Bandwidth (MHz) | Channel Frequency |
|-------------------|-----------------|-------------------|
| B <sub>RFBW</sub> | 20.0 MHz        | 5180MHz + 5220MHz |
| M <sub>RFBW</sub> | 20.0 MHz        | -                 |
| T <sub>RFBW</sub> | 20.0 MHz        | 5200MHz + 5240MHz |

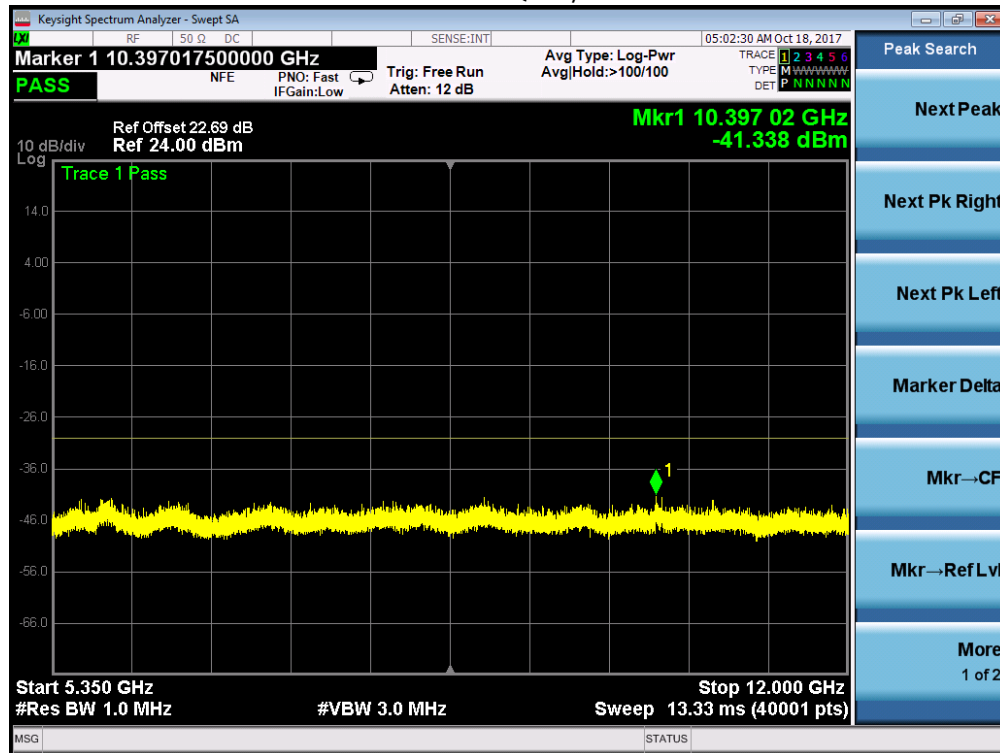
Channel Position B<sub>RFBW</sub> - QPSK / 1MHz – 1GHz



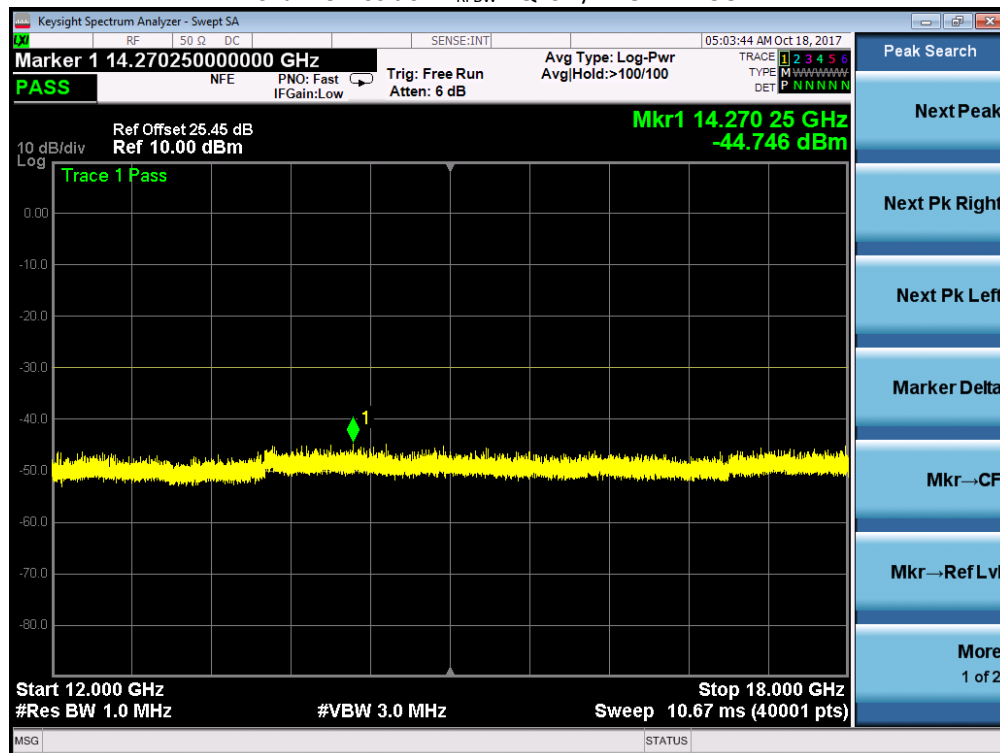
Channel Position B<sub>RFBW</sub> - QPSK / 1GHz – 5.15GHz



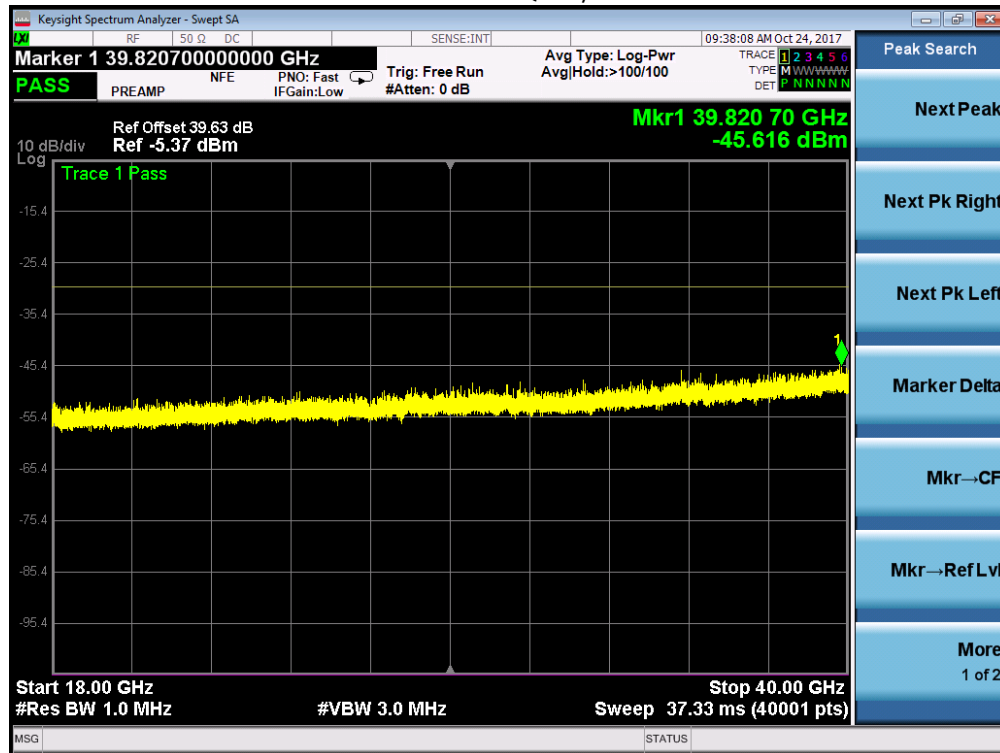
Channel Position B<sub>RFBW</sub> - QPSK / 5.35GHz – 12GHz



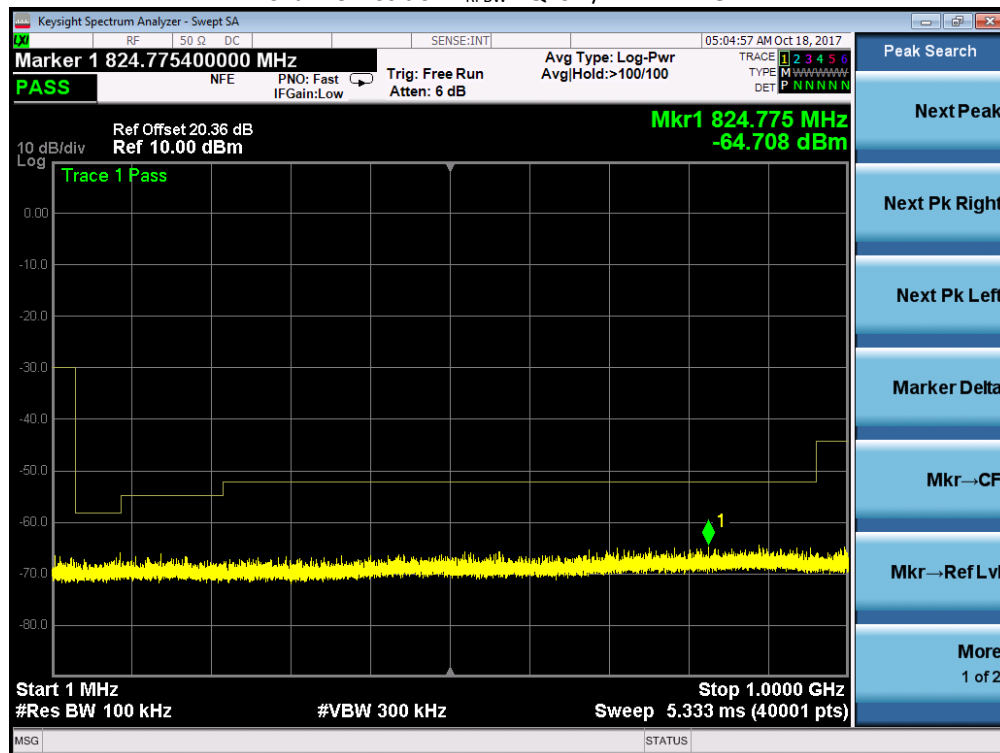
Channel Position B<sub>RFBW</sub> - QPSK / 12GHz – 18GHz



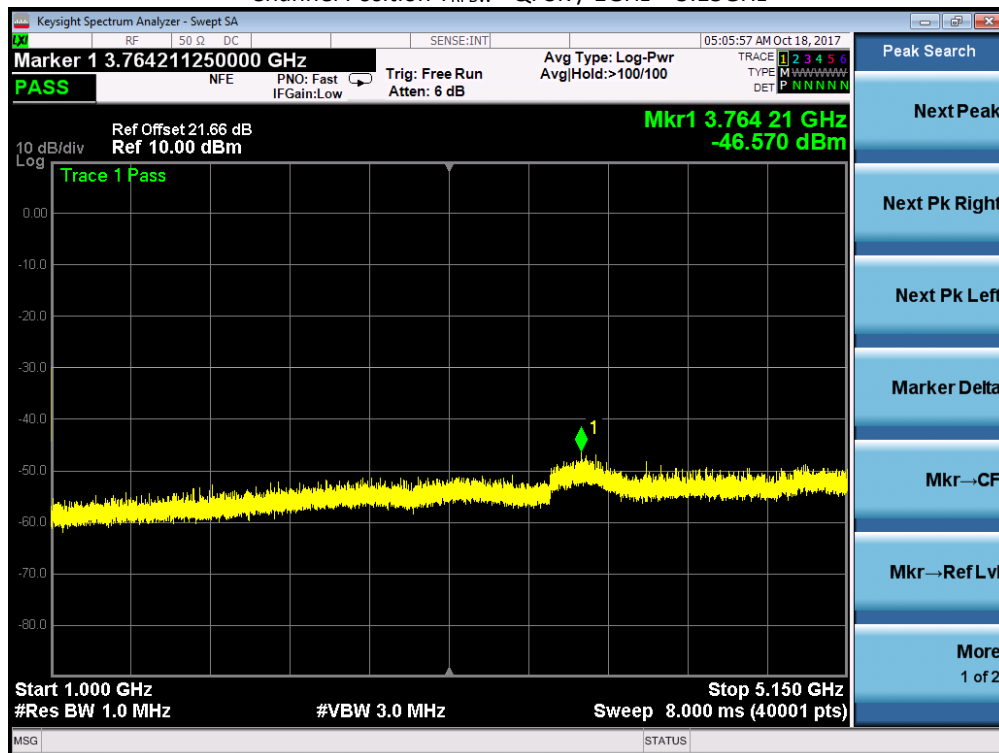
Channel Position B<sub>RFBW</sub> - QPSK / 18GHz – 40GHz



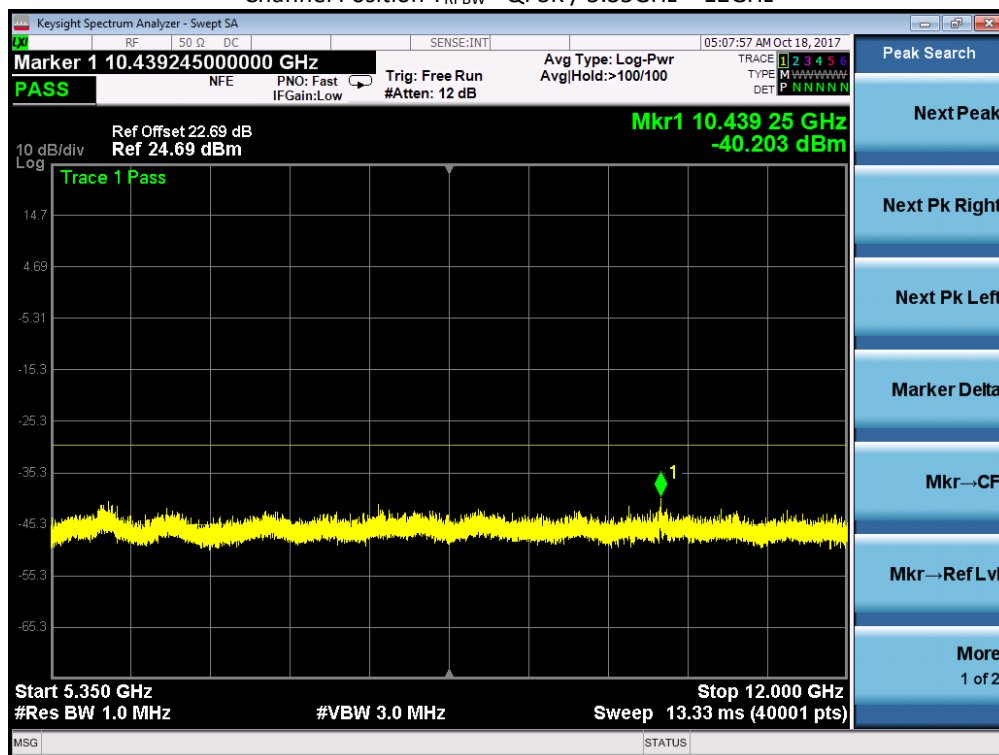
Channel Position T<sub>RFBW</sub> - QPSK / 1MHz – 1GHz



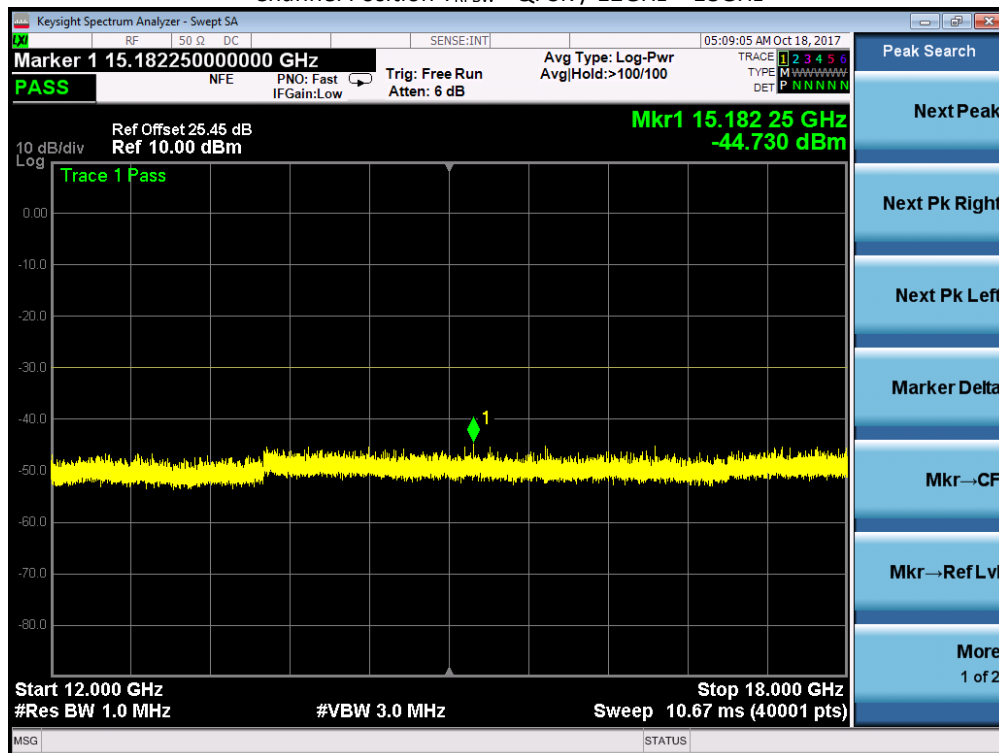
Channel Position T<sub>RFBW</sub> - QPSK / 1GHz – 5.15GHz



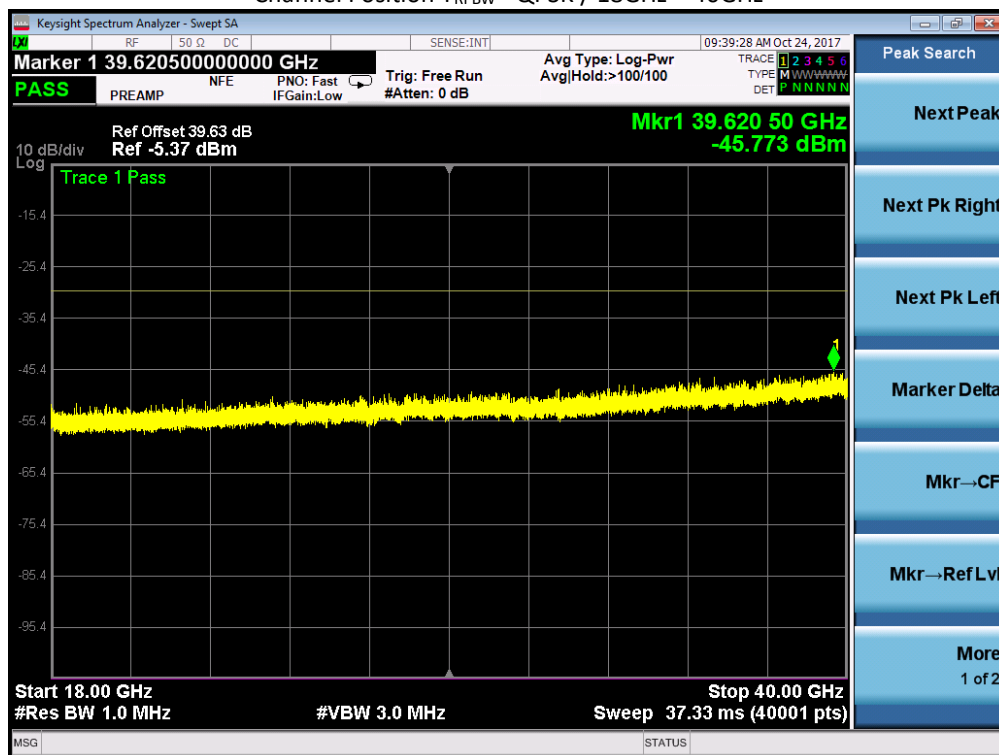
Channel Position T<sub>RFBW</sub> - QPSK / 5.35GHz – 12GHz



Channel Position T<sub>RFBW</sub> - QPSK / 12GHz – 18GHz



Channel Position T<sub>RFBW</sub> - QPSK / 18GHz – 40GHz

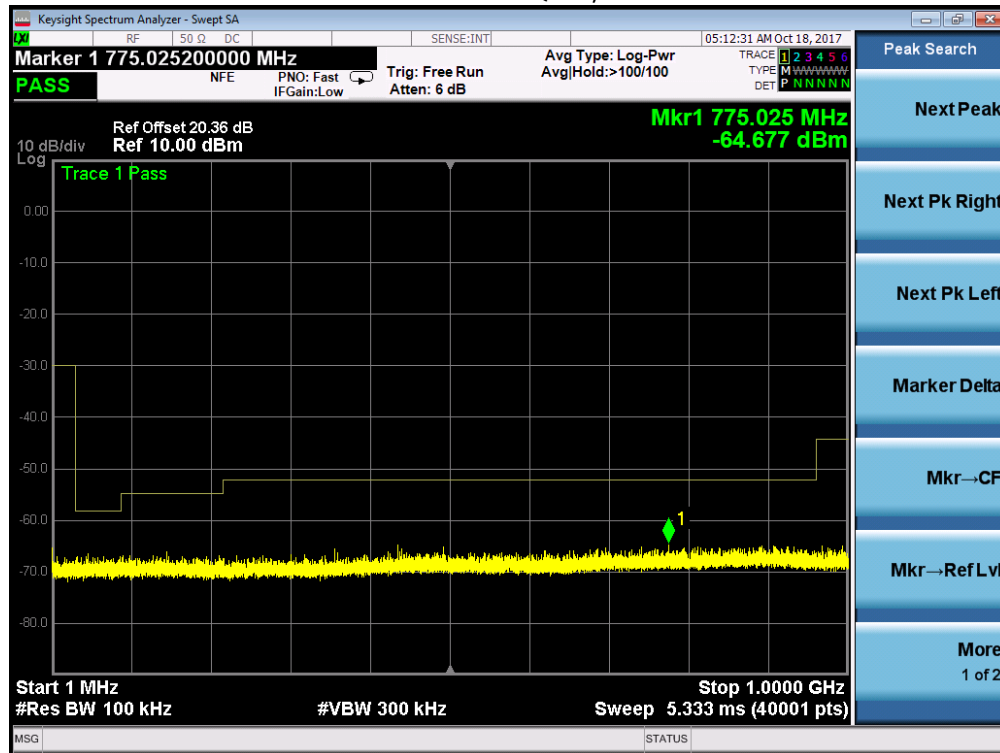


L-MIMO-MC 2 (3C)

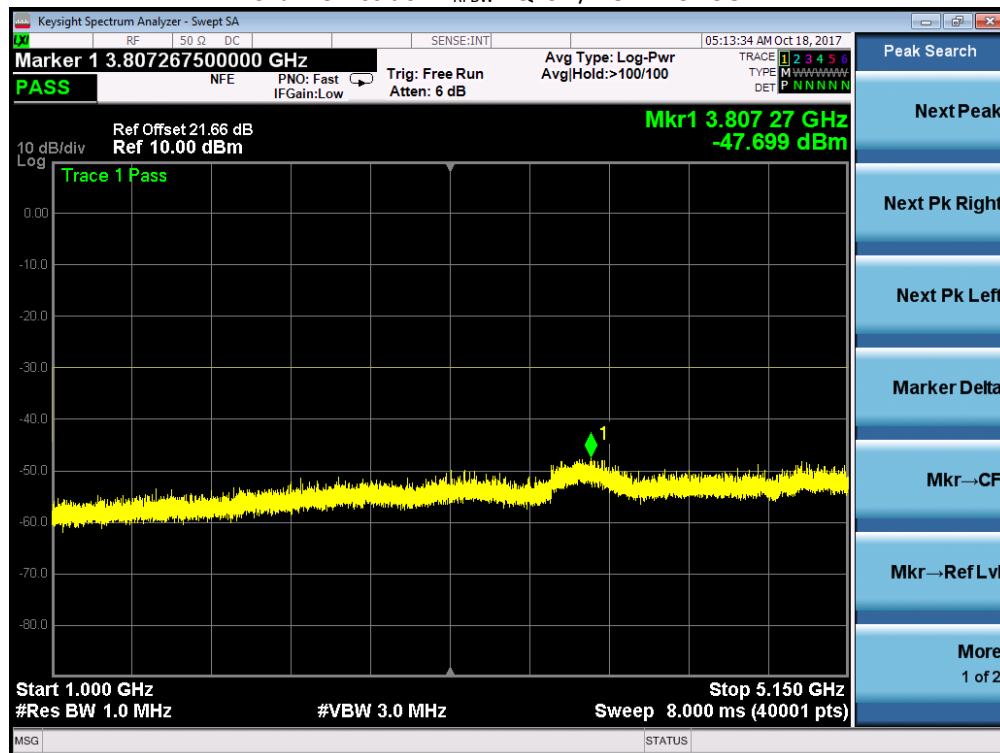
Maximum Output Power 20.5dBm per port:

| Channel Position  | Bandwidth (MHz) | Channel Frequency           |
|-------------------|-----------------|-----------------------------|
| B <sub>RFBW</sub> | 20.0 MHz        | 5180MHz + 5200MHz + 5220MHz |
| M <sub>RFBW</sub> | 20.0 MHz        | -                           |
| T <sub>RFBW</sub> | 20.0 MHz        | 5200MHz + 5220MHz + 5240MHz |

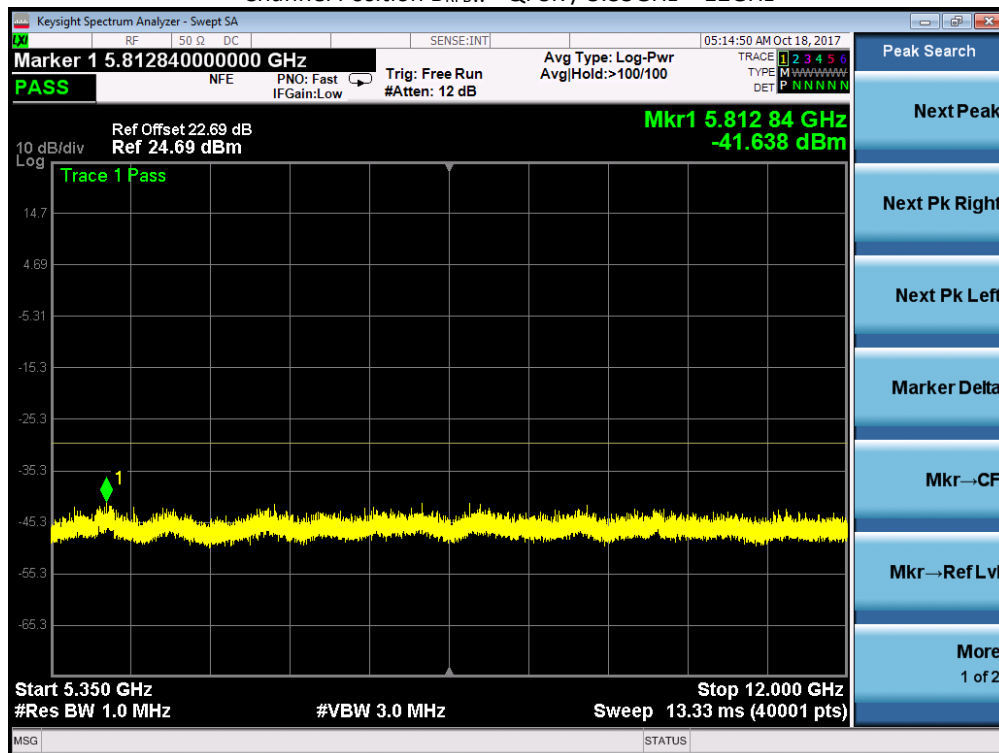
Channel Position B<sub>RFBW</sub> - QPSK / 1MHz – 1GHz



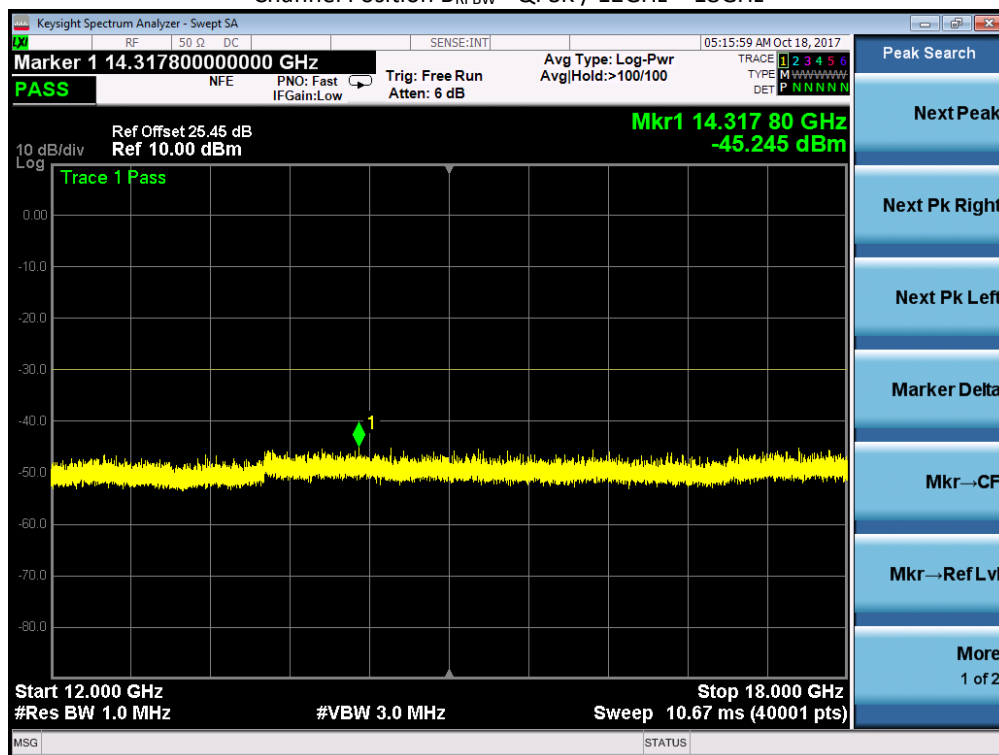
Channel Position B<sub>RFBW</sub> - QPSK / 1GHz – 5.15GHz



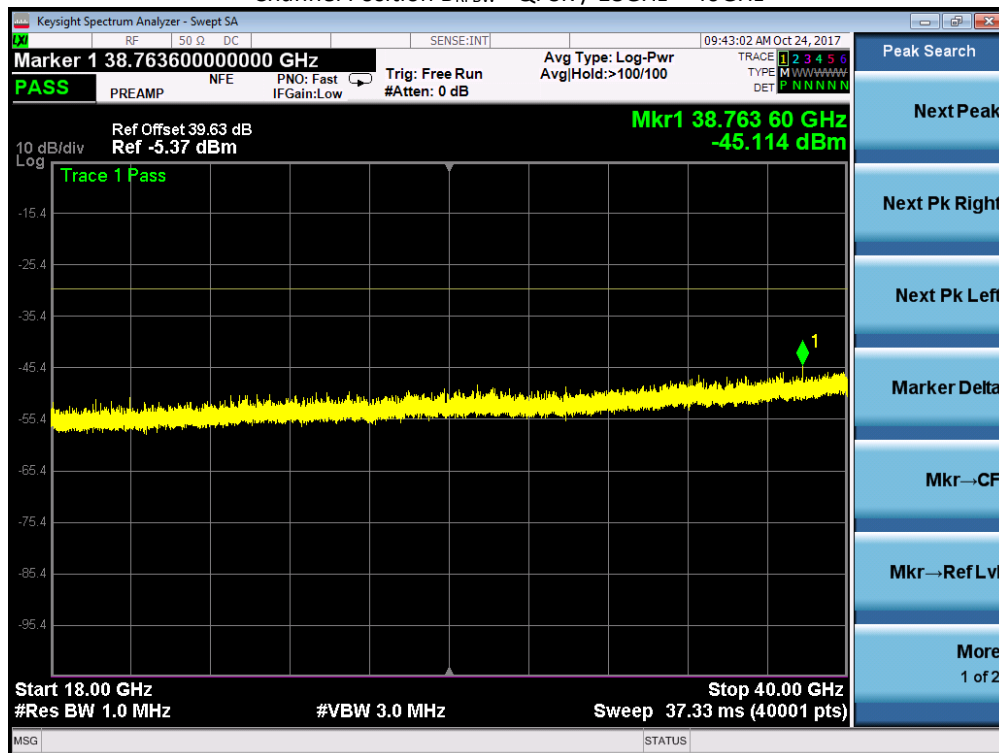
Channel Position B<sub>RFBW</sub> - QPSK / 5.35GHz – 12GHz



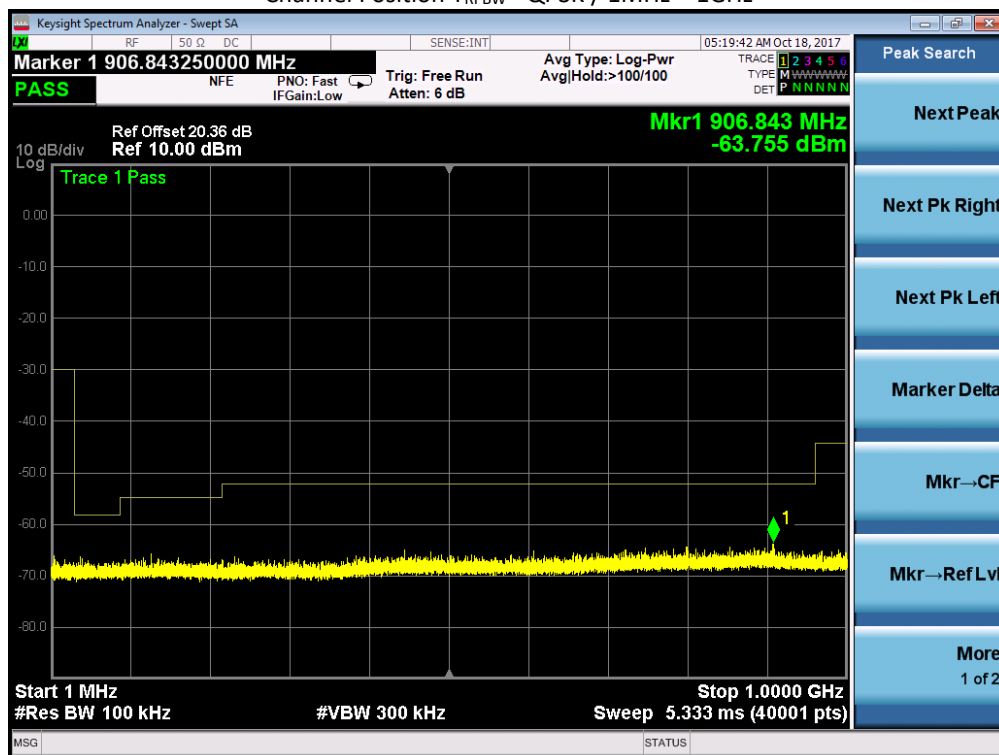
Channel Position B<sub>RFBW</sub> - QPSK / 12GHz – 18GHz



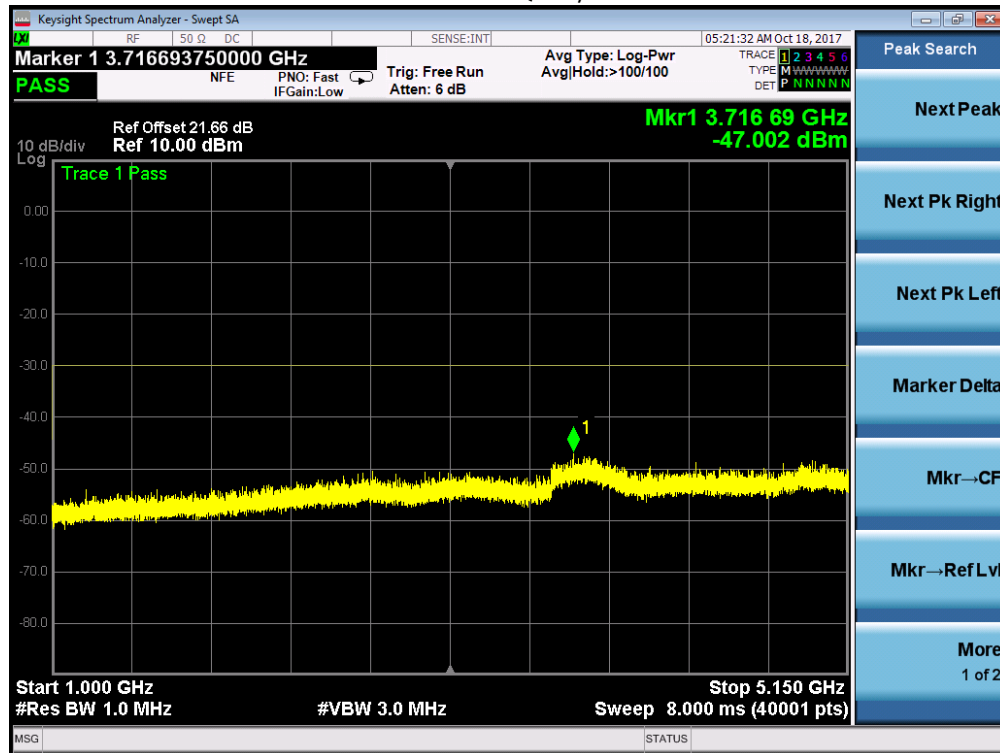
Channel Position B<sub>RFBW</sub> - QPSK / 18GHz – 40GHz



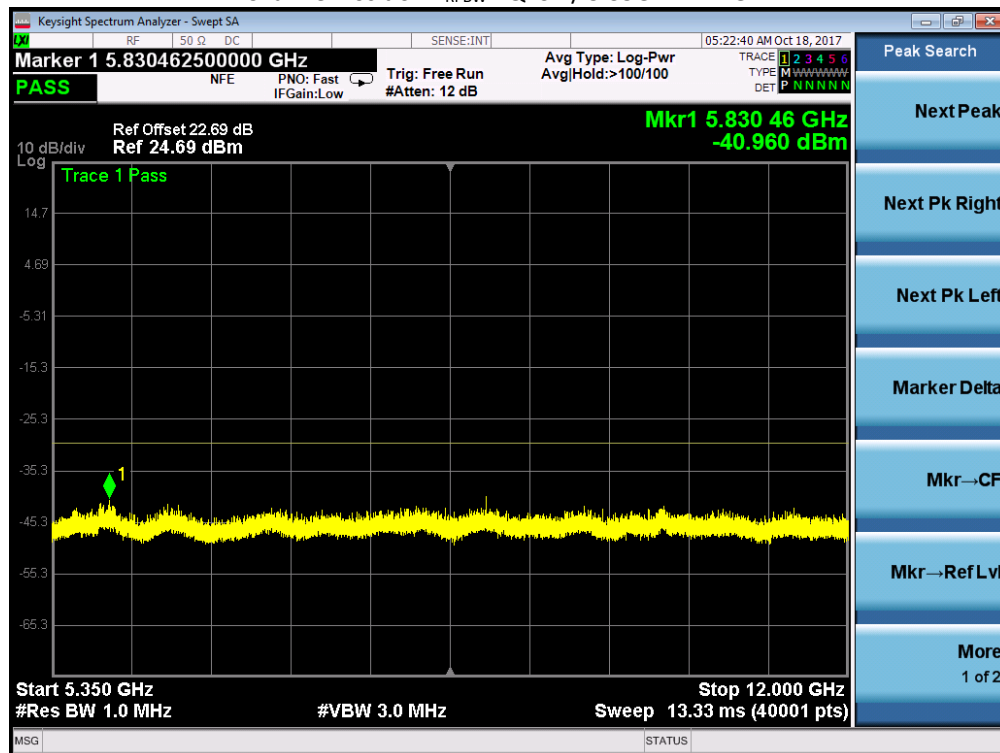
Channel Position T<sub>RFBW</sub> - QPSK / 1MHz – 1GHz



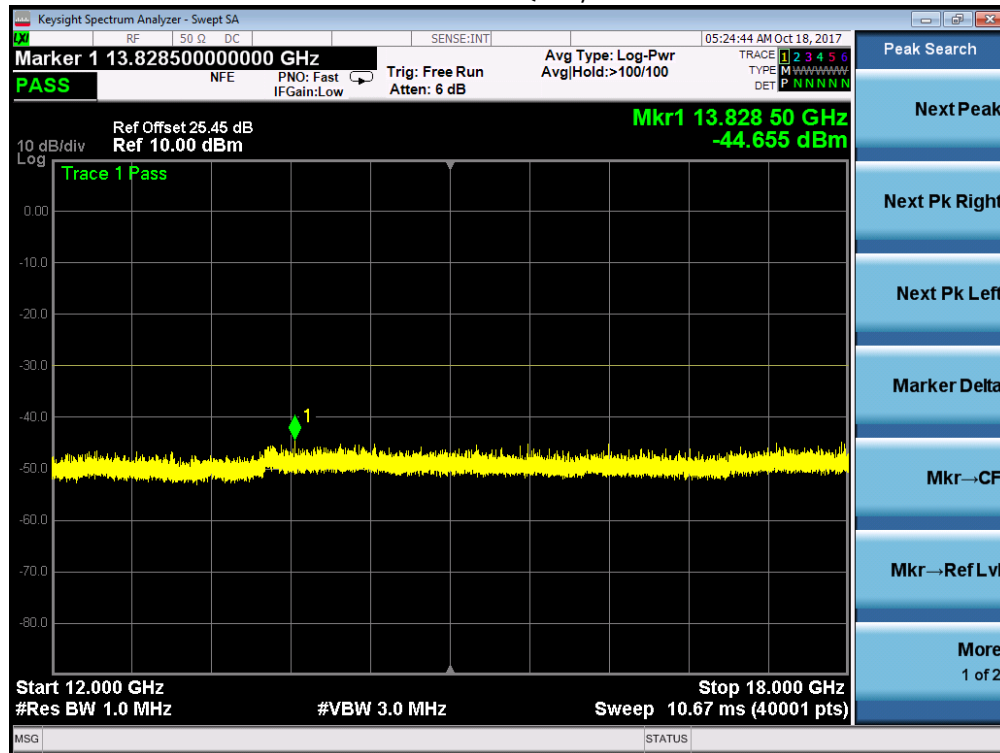
Channel Position T<sub>RFBW</sub> - QPSK / 1GHz – 5.15GHz



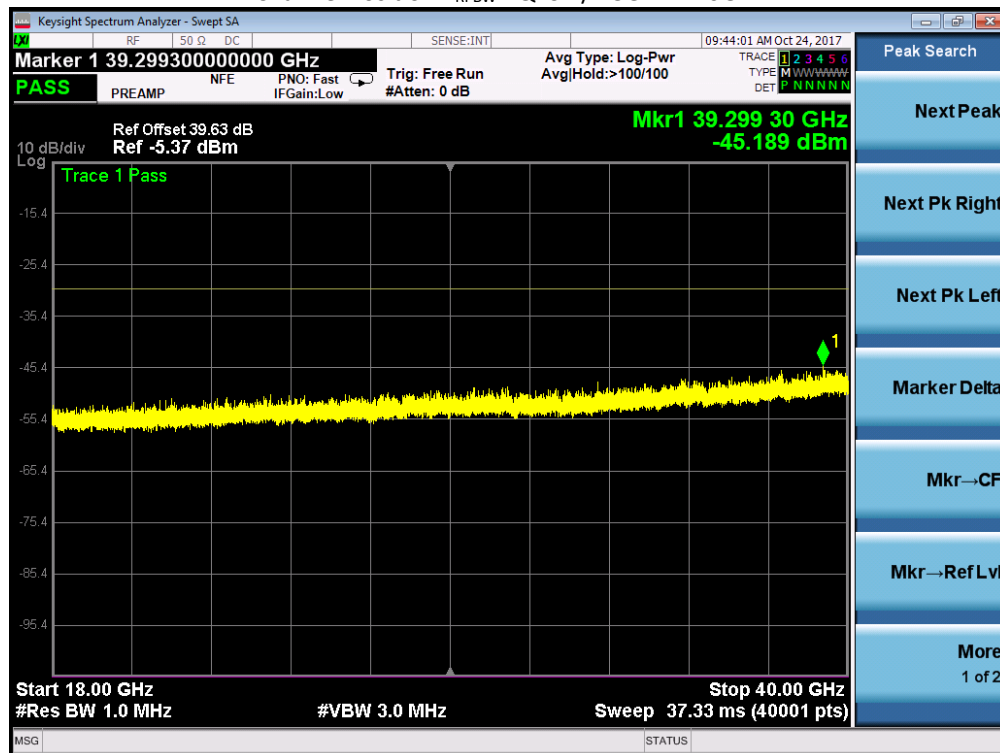
Channel Position T<sub>RFBW</sub> - QPSK / 5.35GHz – 12GHz



Channel Position T<sub>RFBW</sub> - QPSK / 12GHz – 18GHz



Channel Position T<sub>RFBW</sub> - QPSK / 18GHz – 40GHz



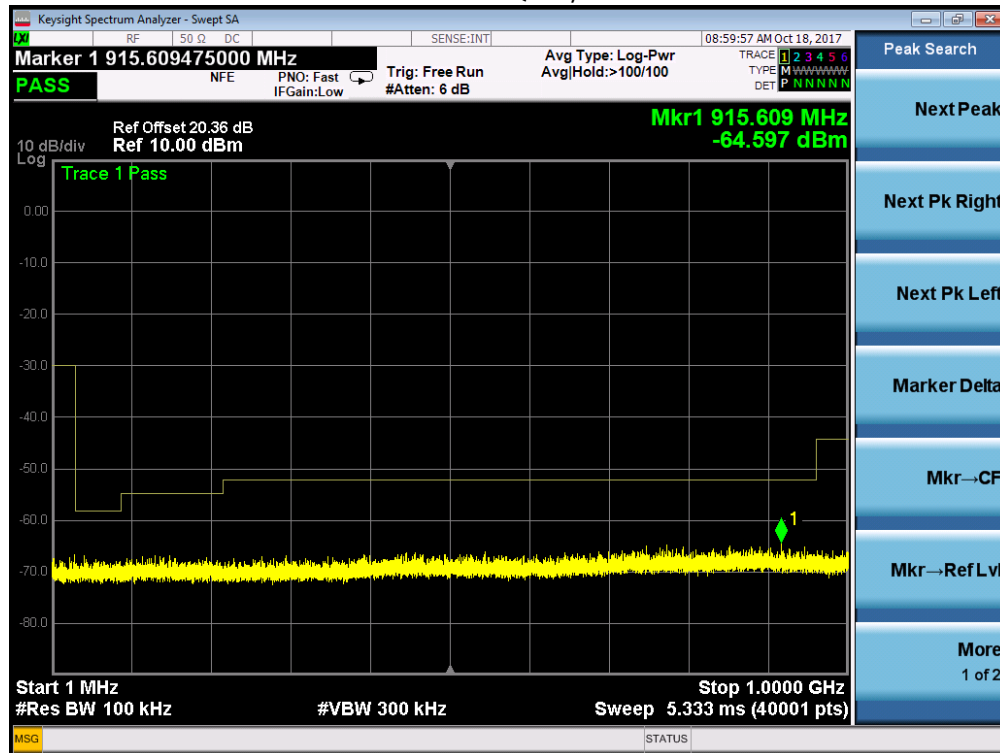
Configuration A2

L-MIMO-SC

Maximum Output Power 20.5dBm per port:

| Channel Position | Bandwidth (MHz) | Channel Frequency |
|------------------|-----------------|-------------------|
| B                | 20.0 MHz        | 5745MHz           |
| M                | 20.0 MHz        | 5785MHz           |
| T                | 20.0 MHz        | 5825MHz           |

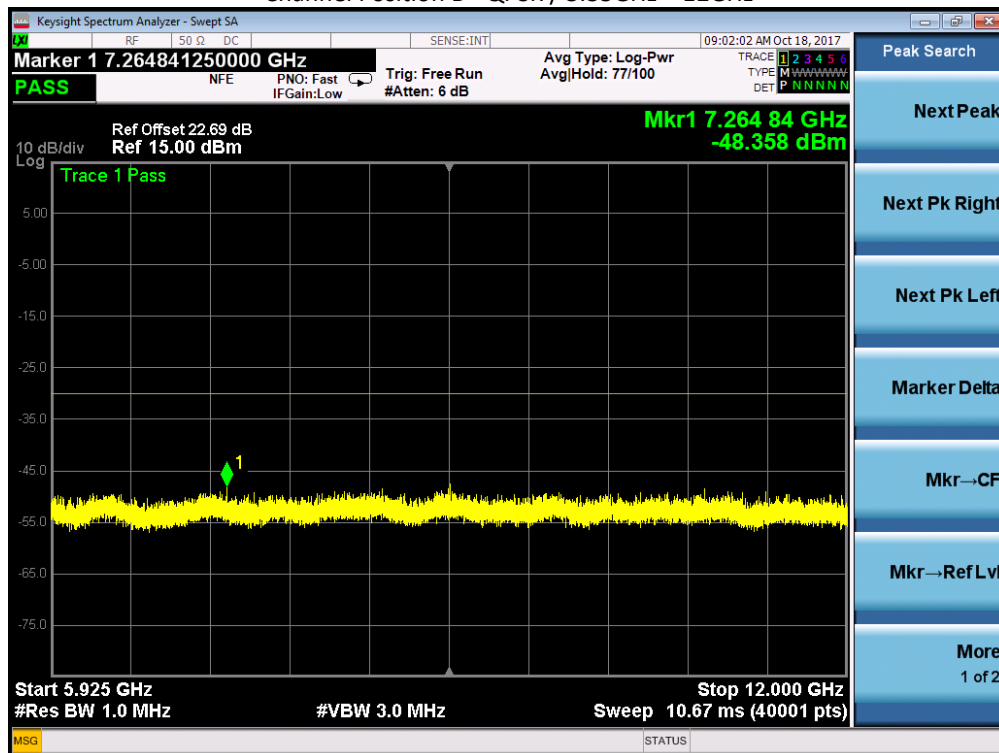
Channel Position B - QPSK / 1MHz – 1GHz



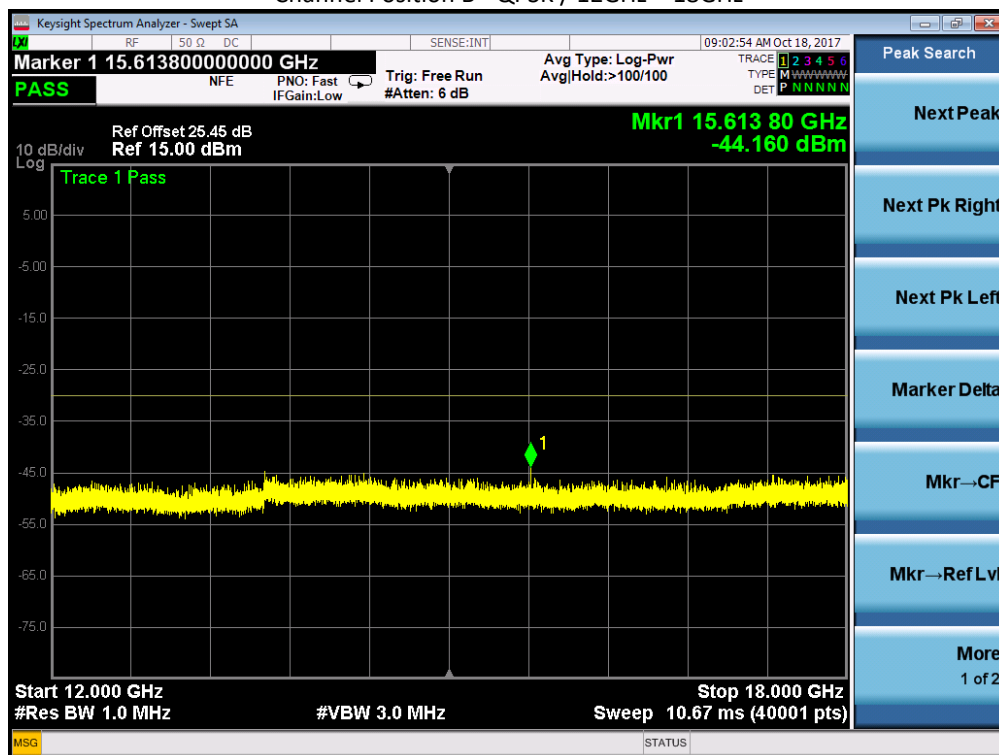
Channel Position B - QPSK / 1GHz – 5.15GHz



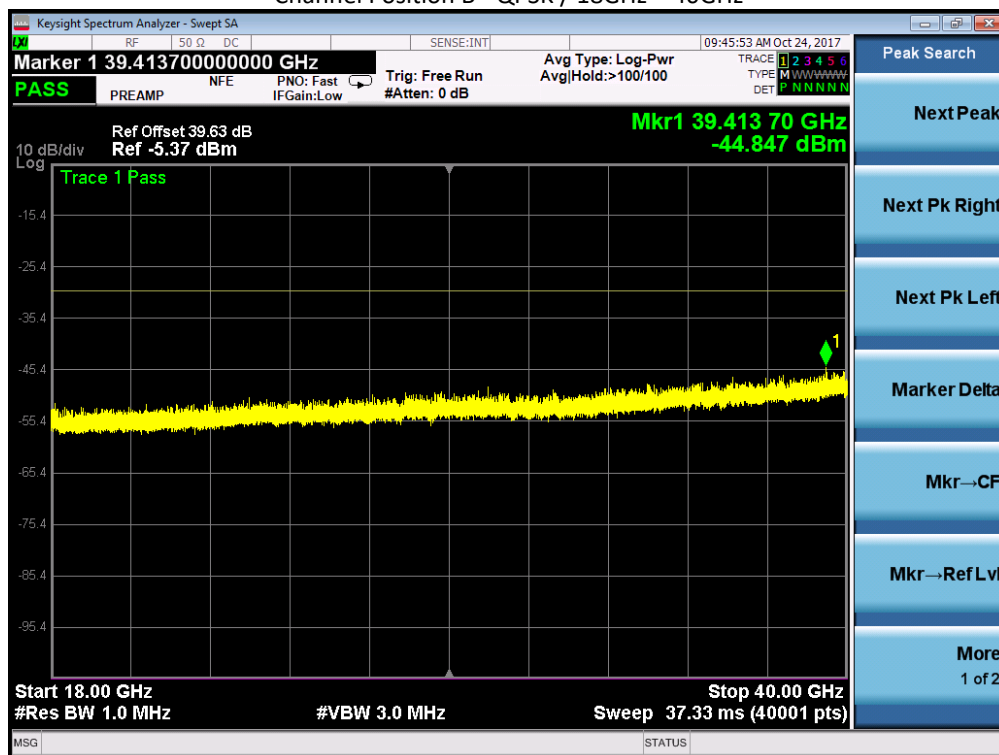
Channel Position B - QPSK / 5.35GHz – 12GHz



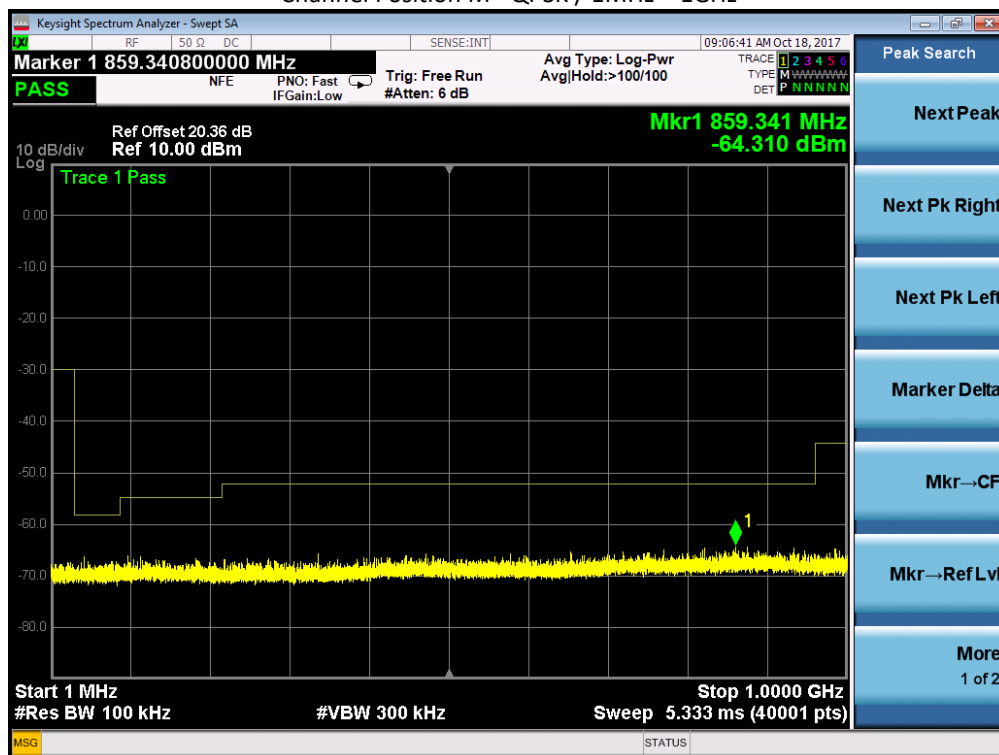
Channel Position B - QPSK / 12GHz – 18GHz



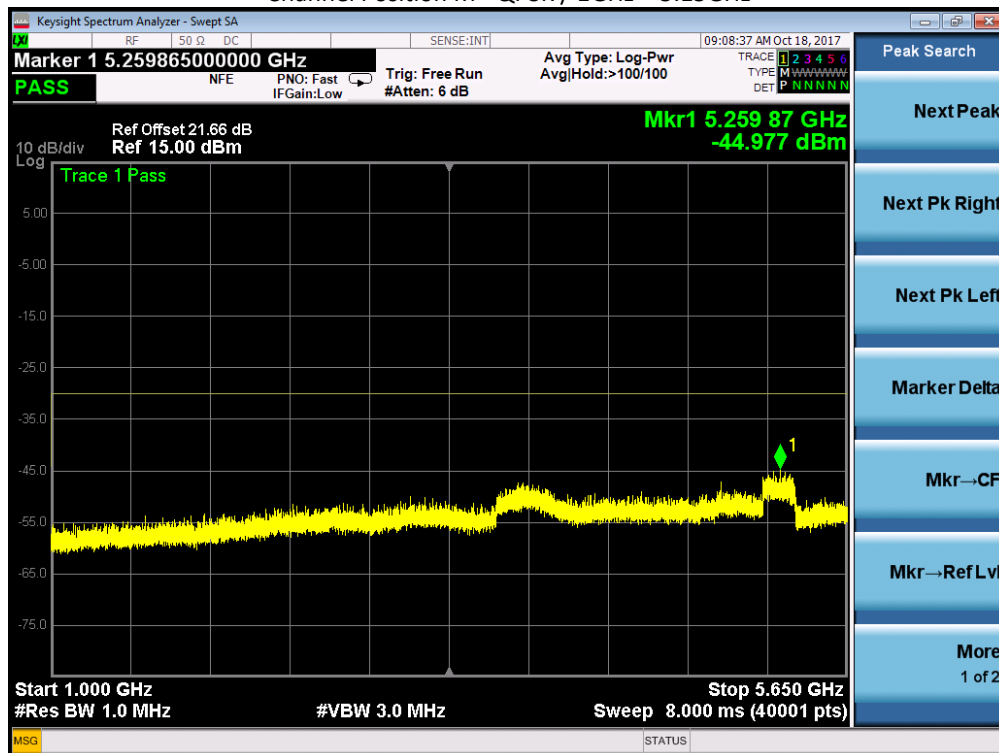
Channel Position B - QPSK / 18GHz – 40GHz



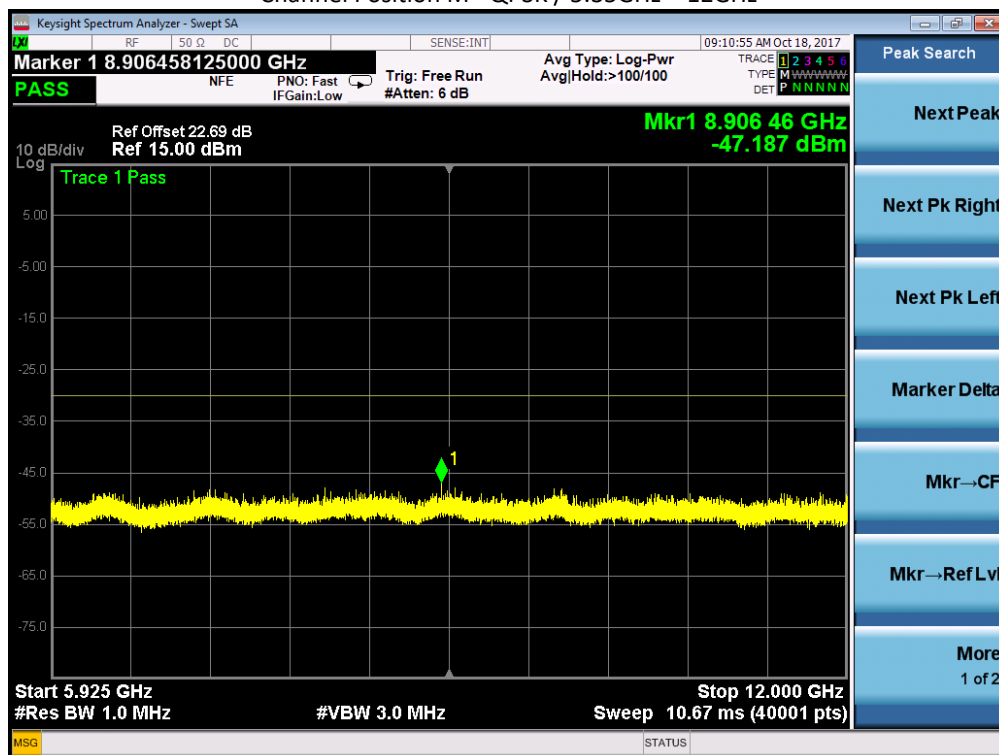
Channel Position M - QPSK / 1MHz – 1GHz



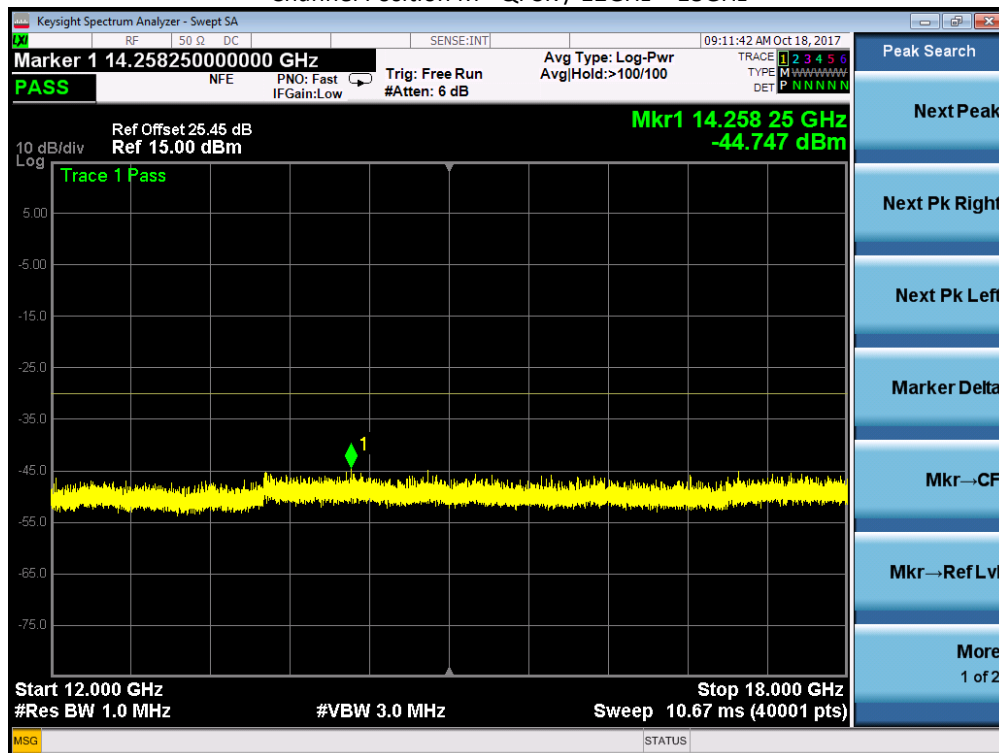
Channel Position M - QPSK / 1GHz – 5.15GHz



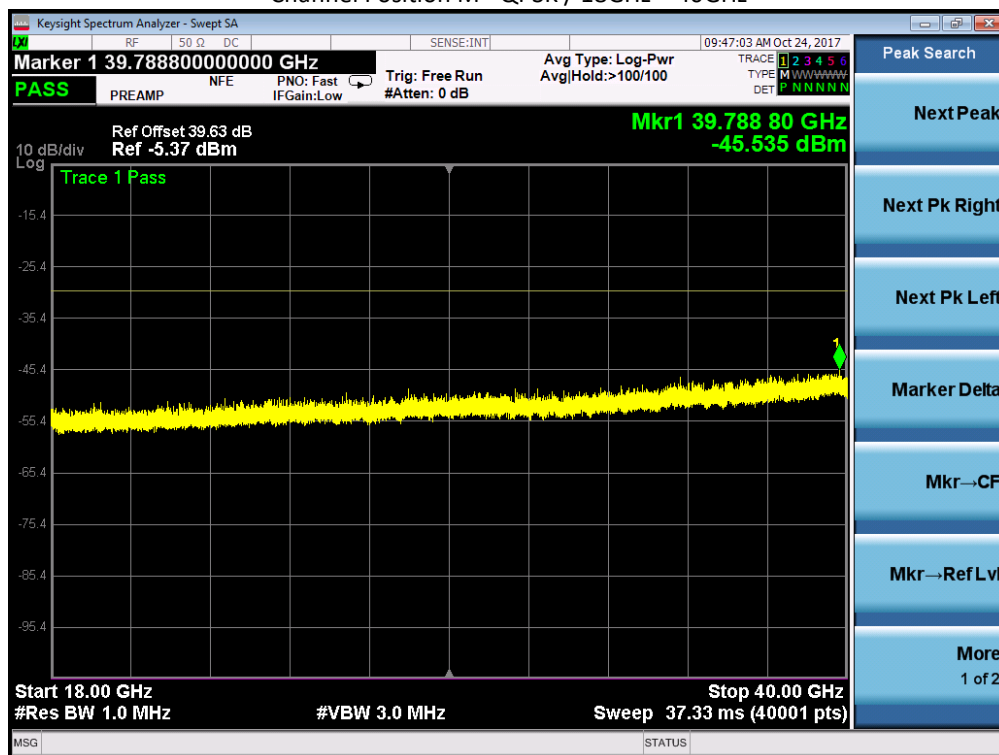
Channel Position M - QPSK / 5.35GHz – 12GHz



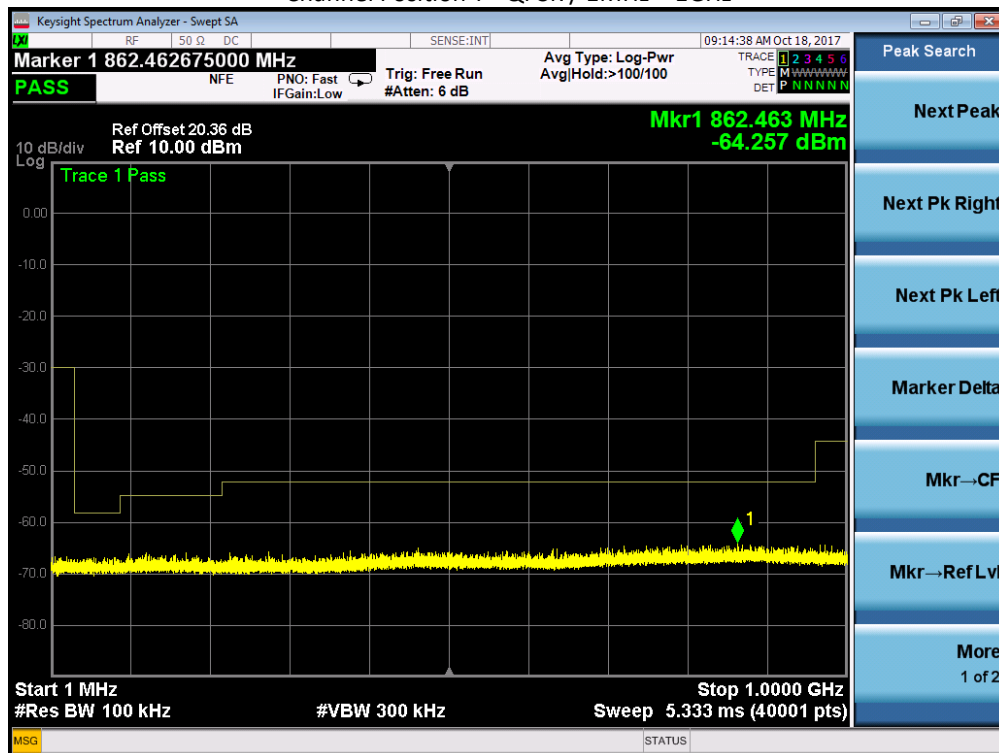
Channel Position M - QPSK / 12GHz – 18GHz



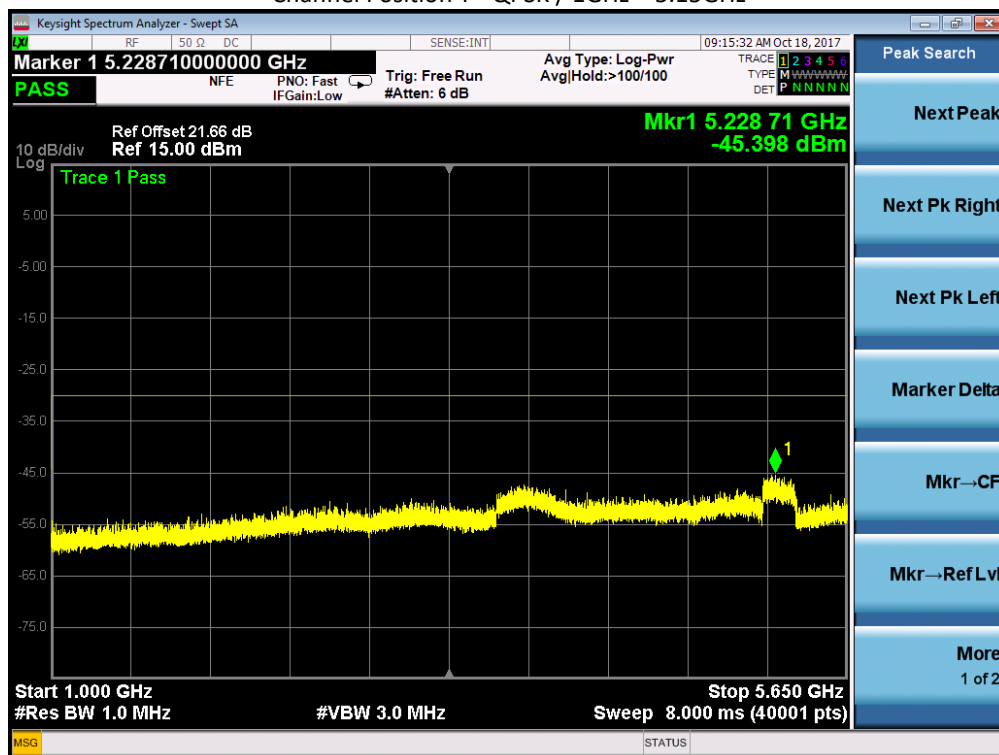
Channel Position M - QPSK / 18GHz – 40GHz



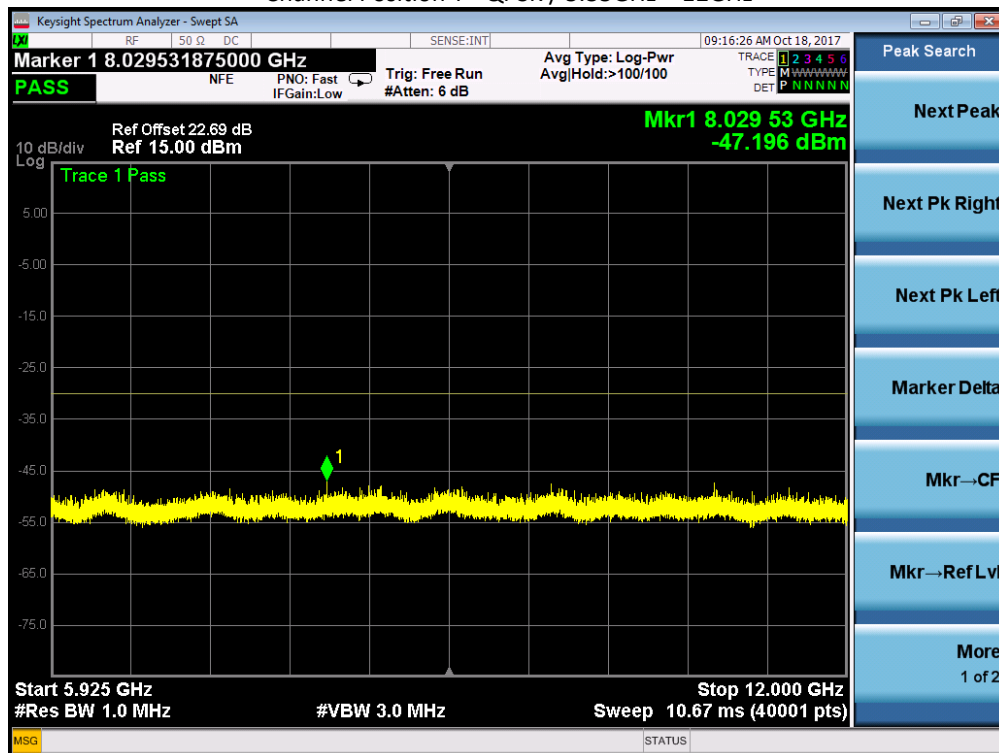
Channel Position T - QPSK / 1MHz – 1GHz



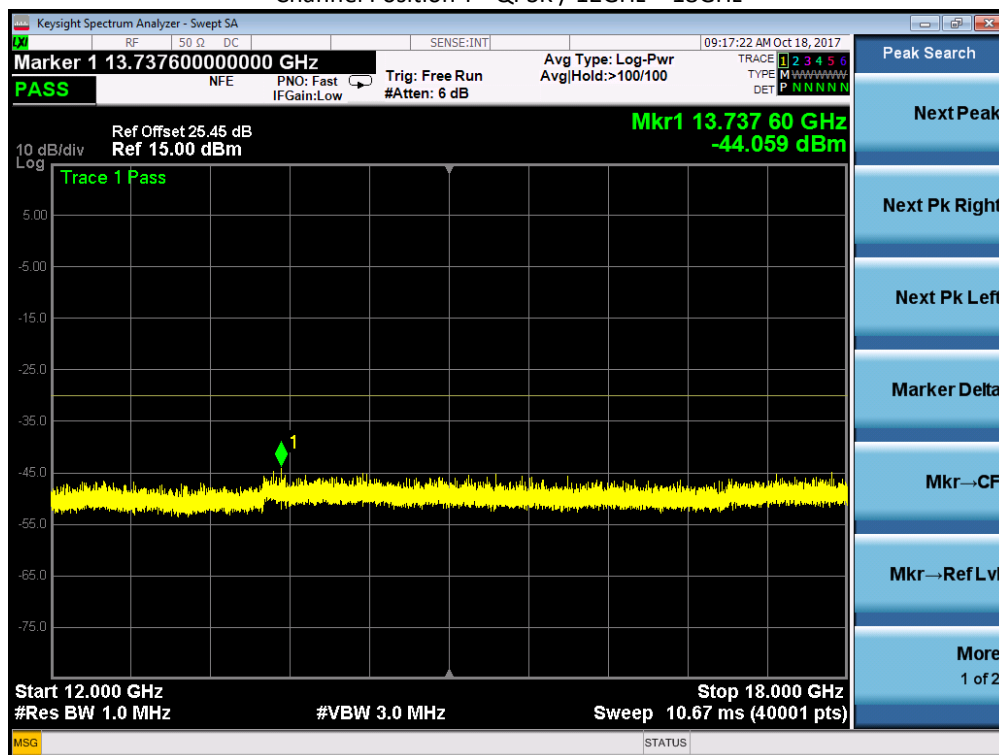
Channel Position T - QPSK / 1GHz – 5.15GHz



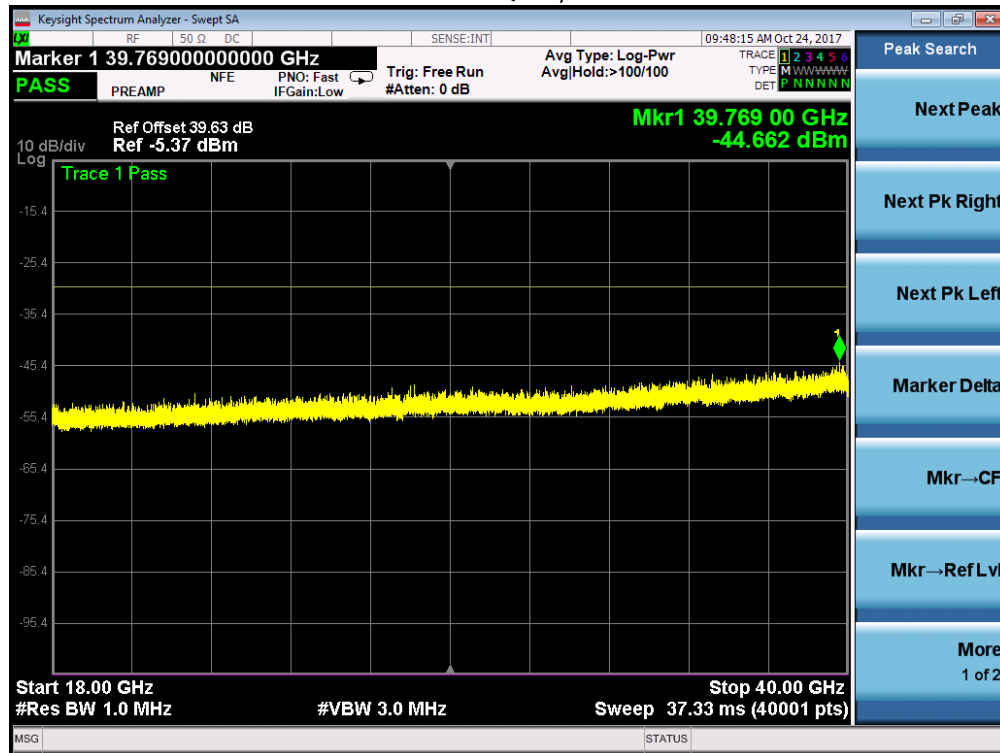
Channel Position T - QPSK / 5.35GHz – 12GHz



Channel Position T - QPSK / 12GHz – 18GHz



Channel Position T - QPSK / 18GHz – 40GHz

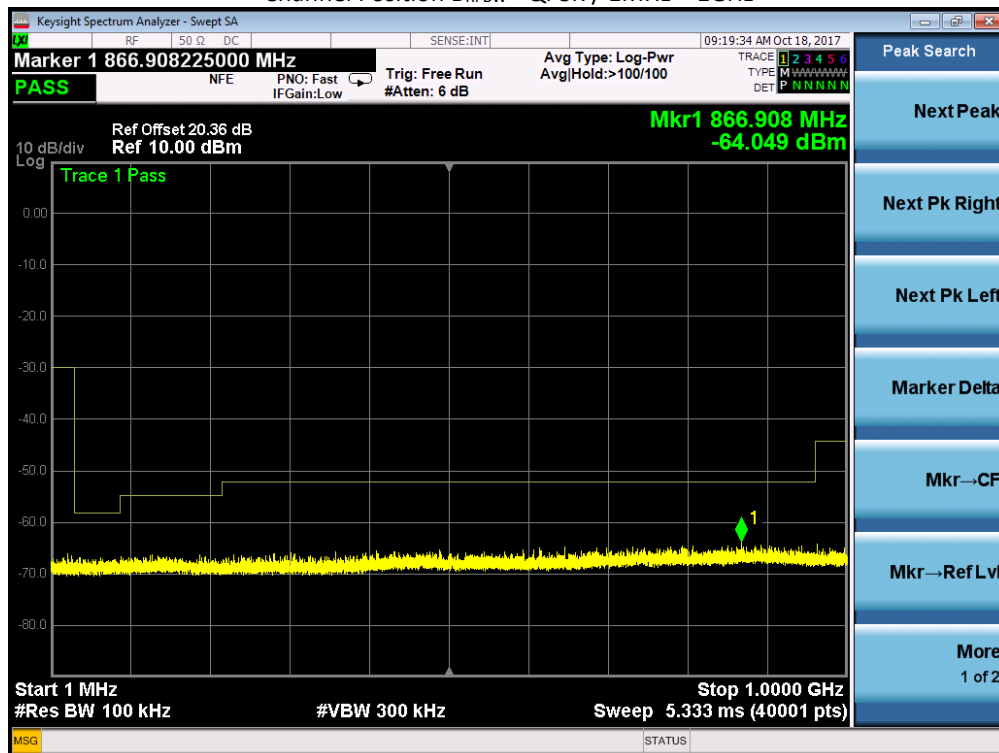


L-MIMO-MC 1 (2C)

Maximum Output Power 20.5dBm per port:

| Channel Position  | Bandwidth (MHz) | Channel Frequency |
|-------------------|-----------------|-------------------|
| B <sub>RFBW</sub> | 20.0 MHz        | 5745MHz + 5785MHz |
| M <sub>RFBW</sub> | 20.0 MHz        | 5765MHz + 5805MHz |
| T <sub>RFBW</sub> | 20.0 MHz        | 5785MHz + 5825MHz |

Channel Position B<sub>RFBW</sub> - QPSK / 1MHz – 1GHz



Channel Position B<sub>RFBW</sub> - QPSK / 1GHz – 5.15GHz

