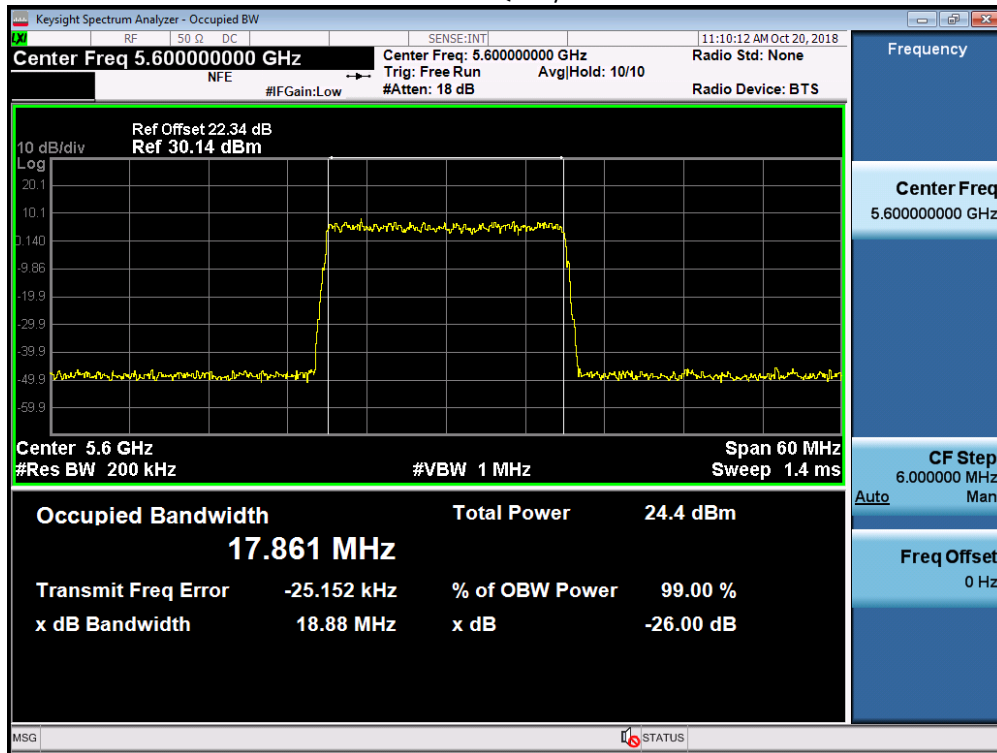
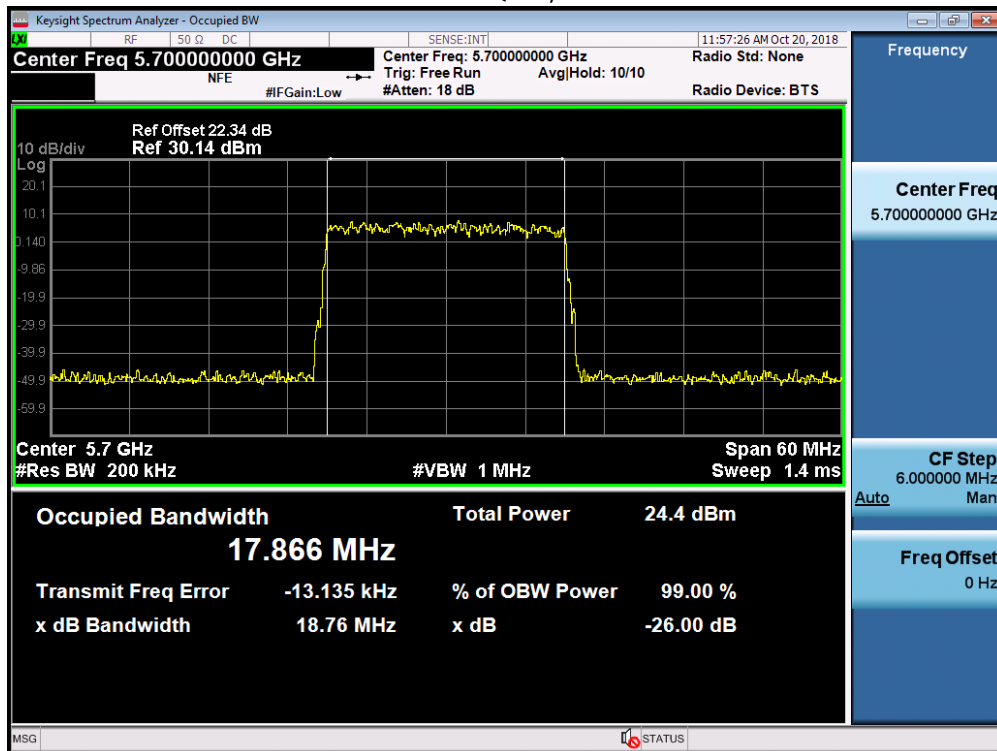


Channel Position M – 256QAM / Bandwidth 20.0 MHz



Channel Position T – 256QAM / Bandwidth 20.0 MHz



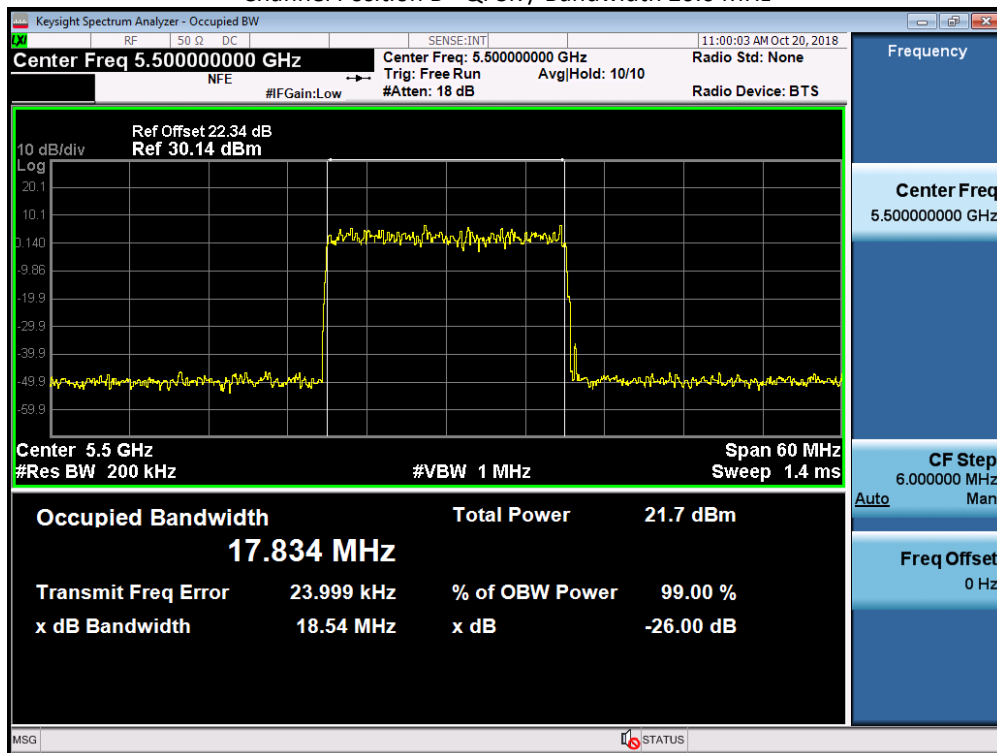
Configuration A2 for IC

L-MIMO-SC

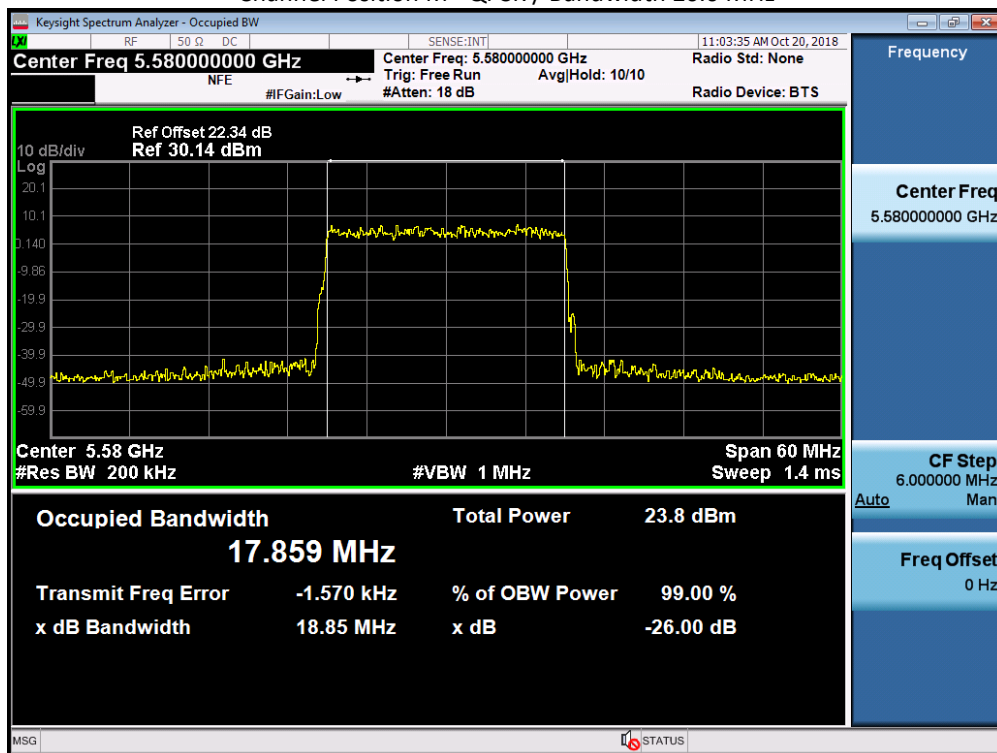
Maximum Output Power 18dBm per port:

Modulation / Bandwidth	Occupied Bandwidth (MHz)					
	Channel Position B 5500MHz		Channel Position M 5580MHz		Channel Position T 5700MHz	
	99% Bandwidth	-26dB Bandwidth	99% Bandwidth	-26dB Bandwidth	99% Bandwidth	-26dB Bandwidth
QPSK / 20.0MHz	17.834	18.540	17.859	18.850	17.844	18.760
16QAM / 20.0MHz	17.845	18.690	17.843	18.800	17.866	18.910
64QAM / 20.0MHz	17.855	18.670	17.867	18.890	17.872	18.850
256QAM / 20.0MHz	17.842	18.690	17.869	18.810	17.866	18.760

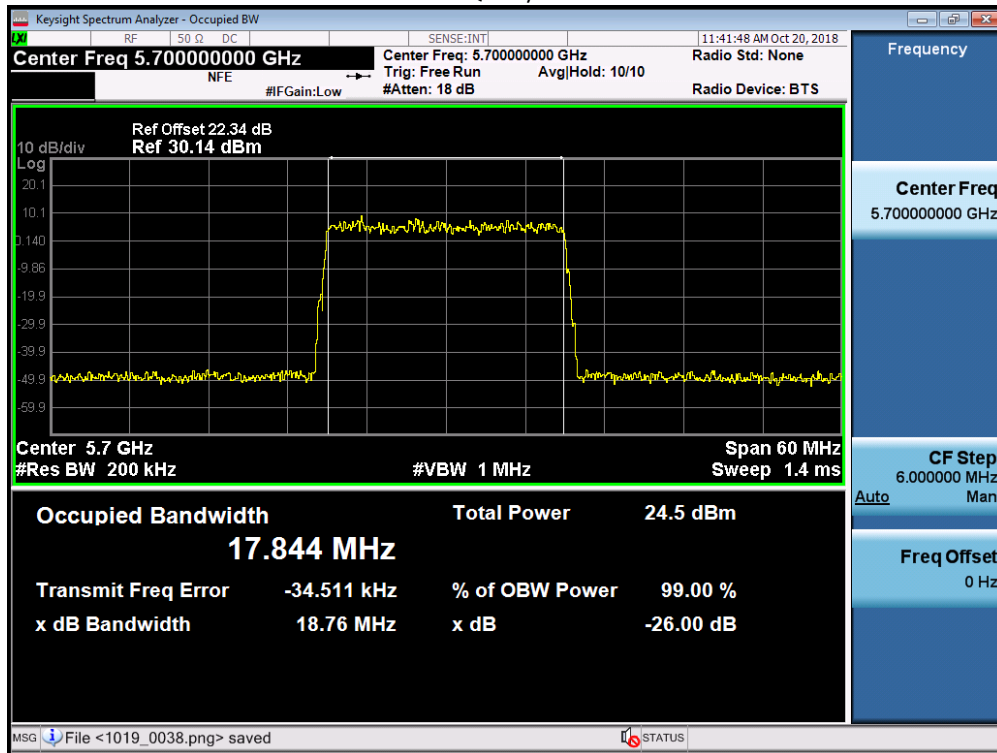
Channel Position B - QPSK / Bandwidth 20.0 MHz



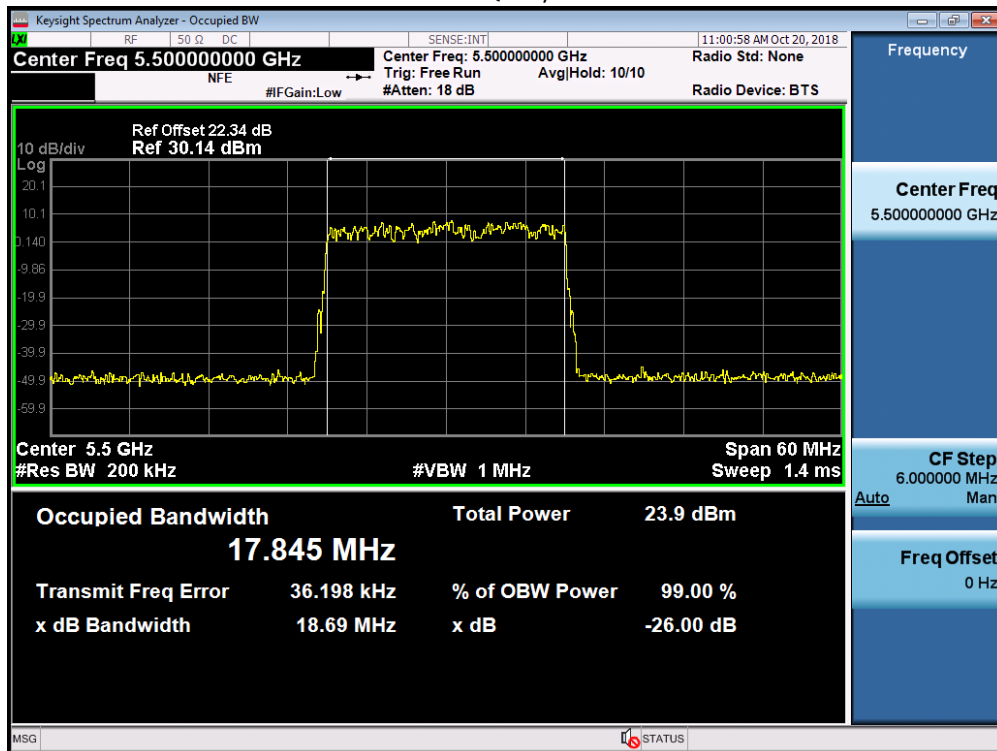
Channel Position M - QPSK / Bandwidth 20.0 MHz



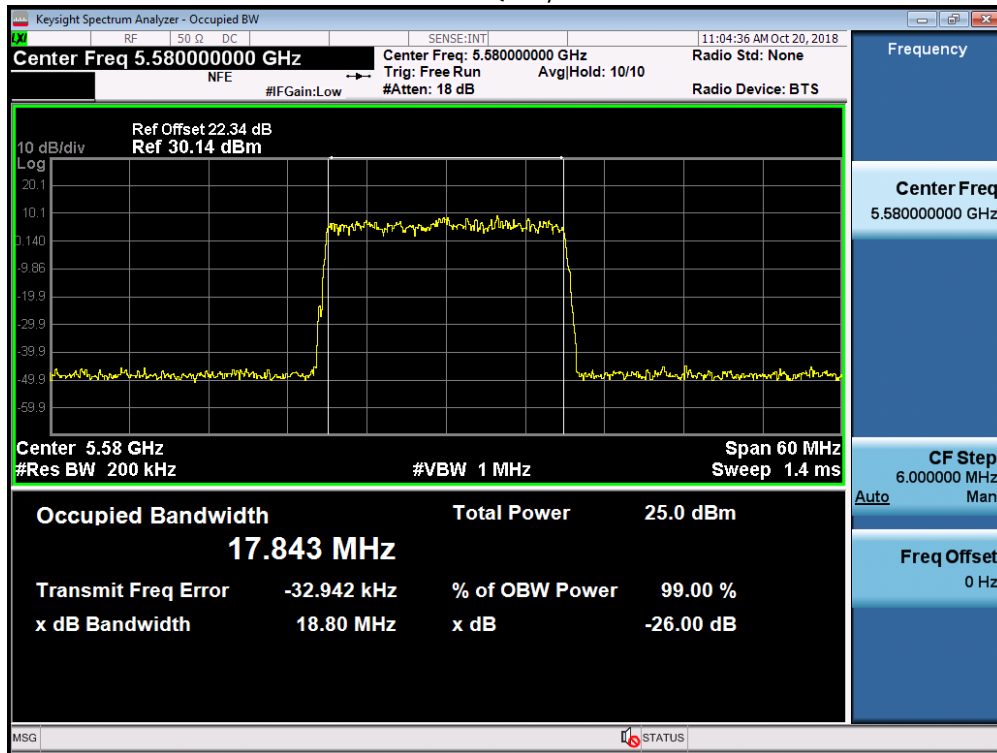
Channel Position T - QPSK / Bandwidth 20.0 MHz



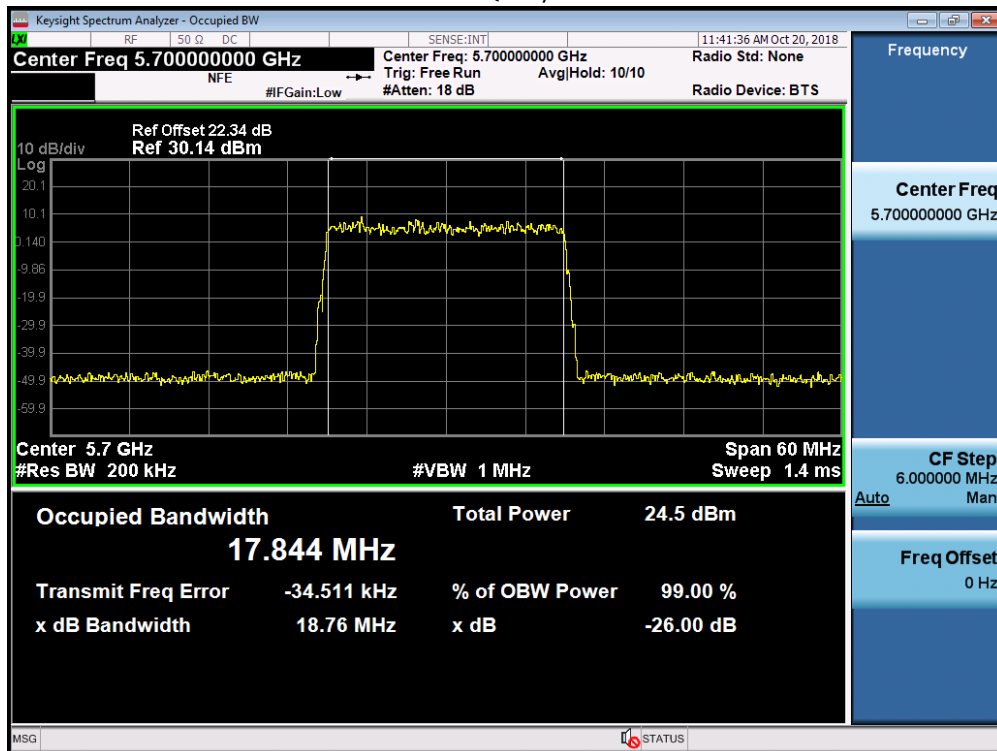
Channel Position B - 16QAM / Bandwidth 20.0 MHz



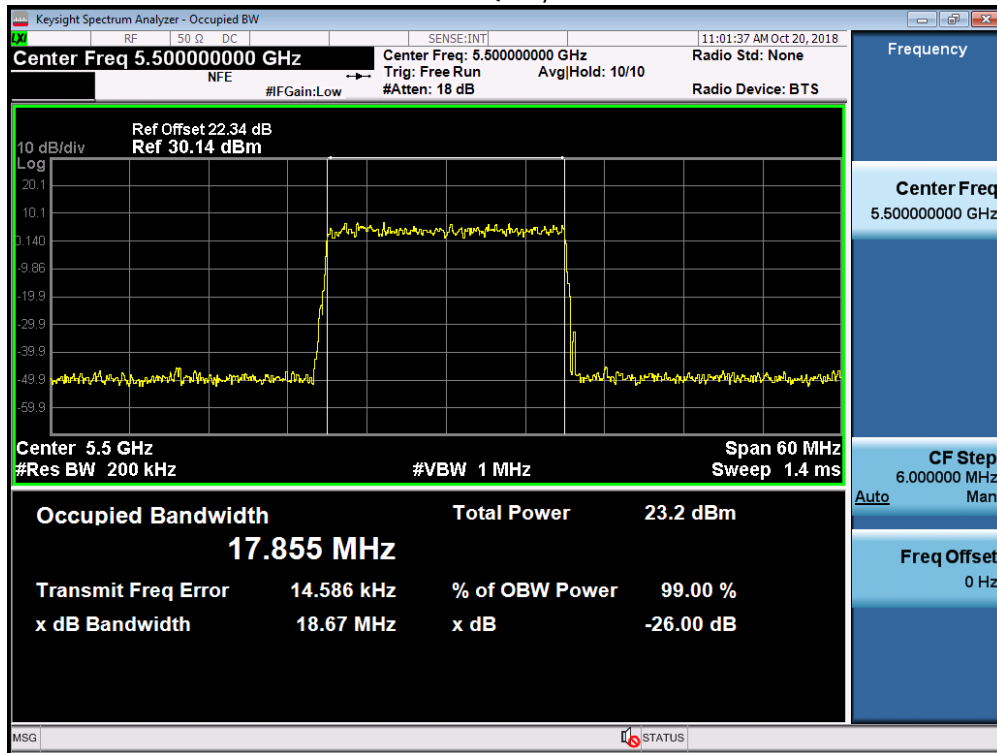
Channel Position M – 16QAM / Bandwidth 20.0 MHz



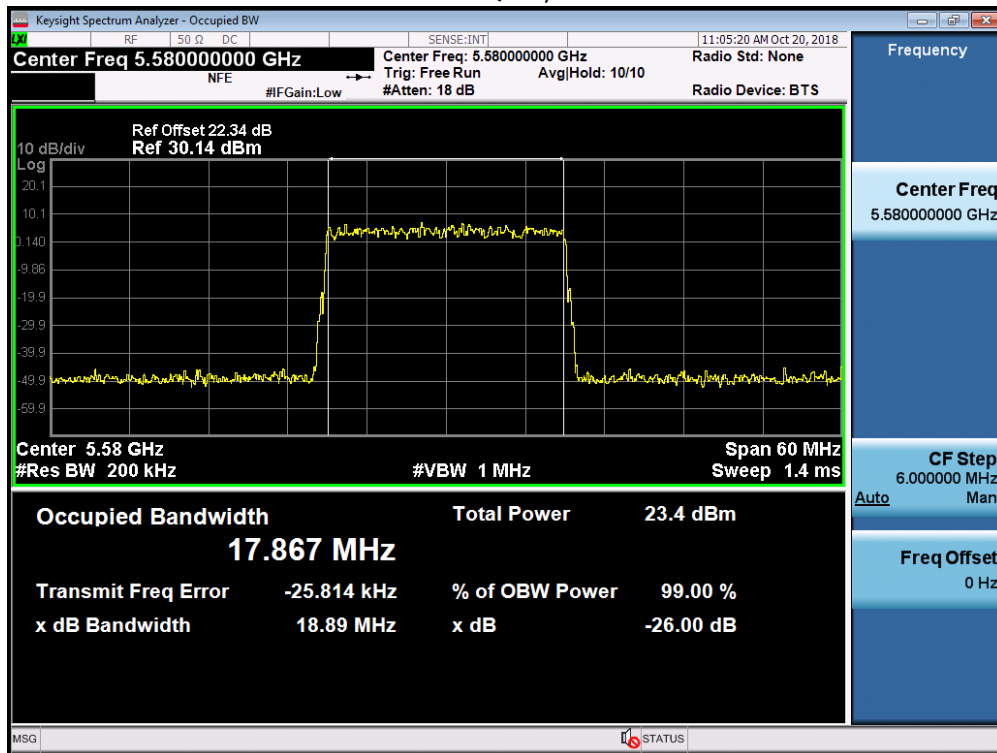
Channel Position T – 16QAM / Bandwidth 20.0 MHz



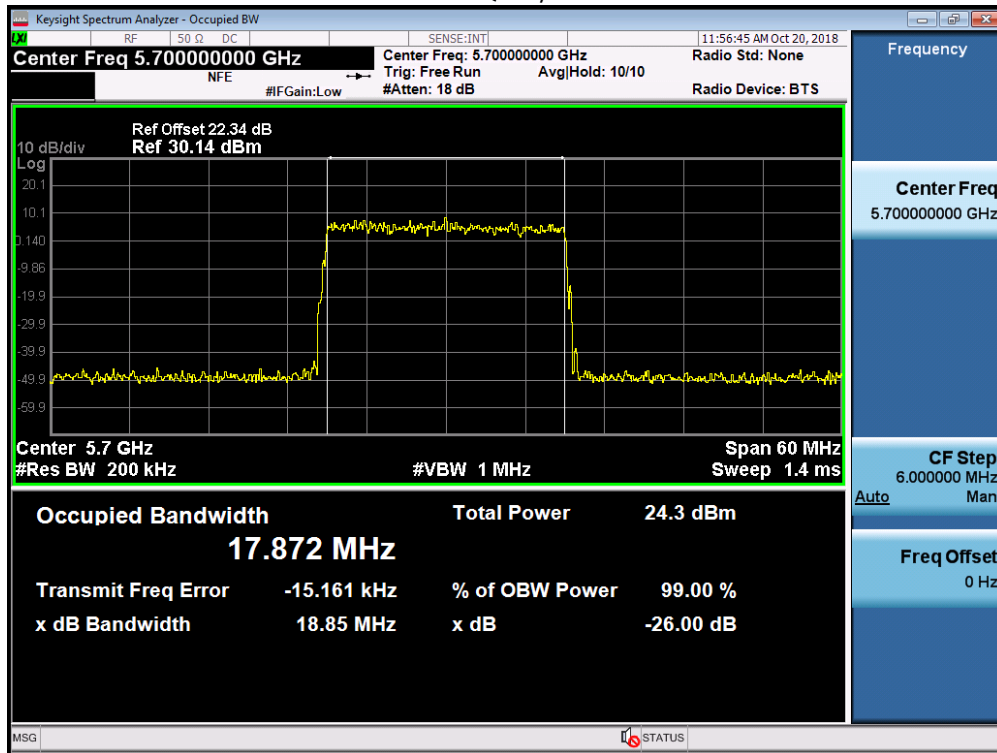
Channel Position B – 64QAM / Bandwidth 20.0 MHz



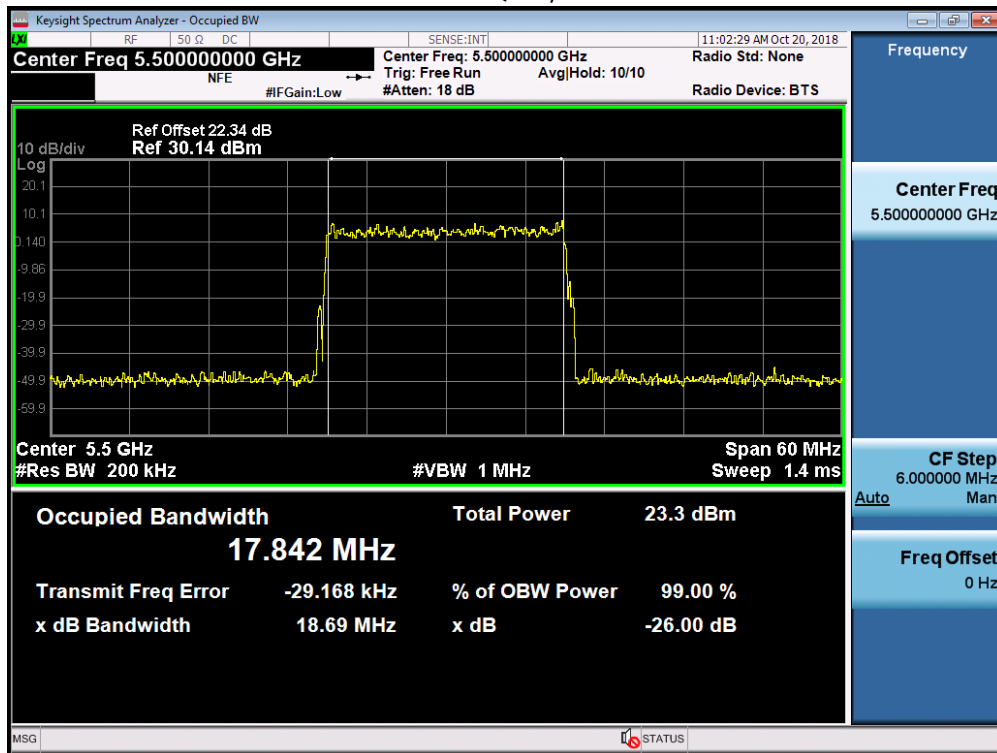
Channel Position M - 64QAM / Bandwidth 20.0 MHz



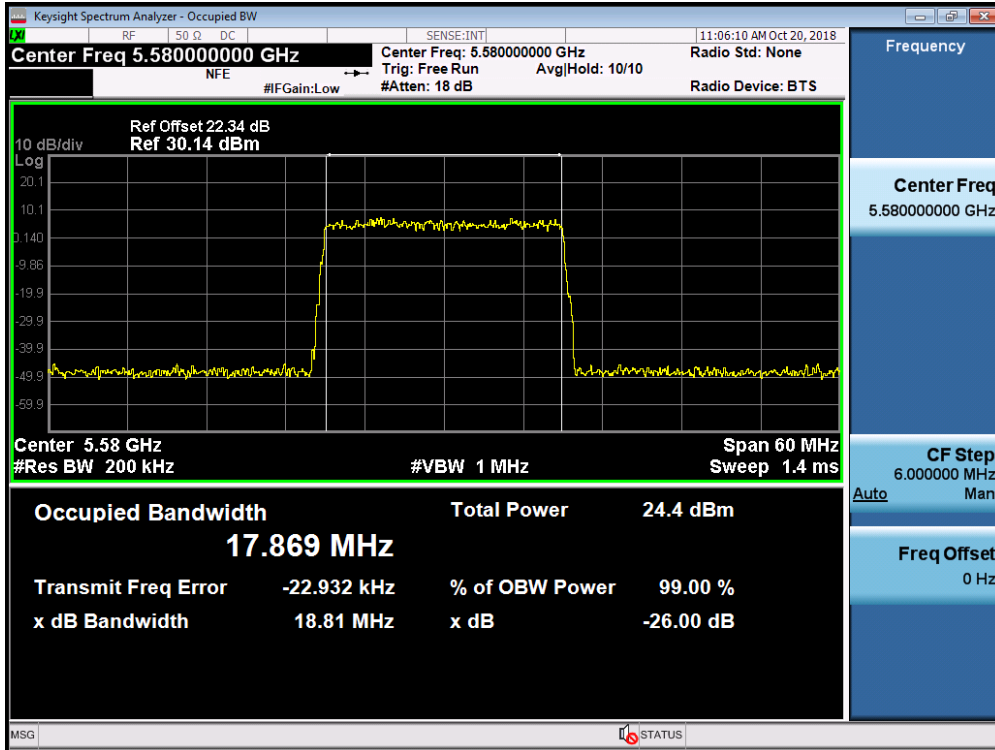
Channel Position T - 64QAM / Bandwidth 20.0 MHz



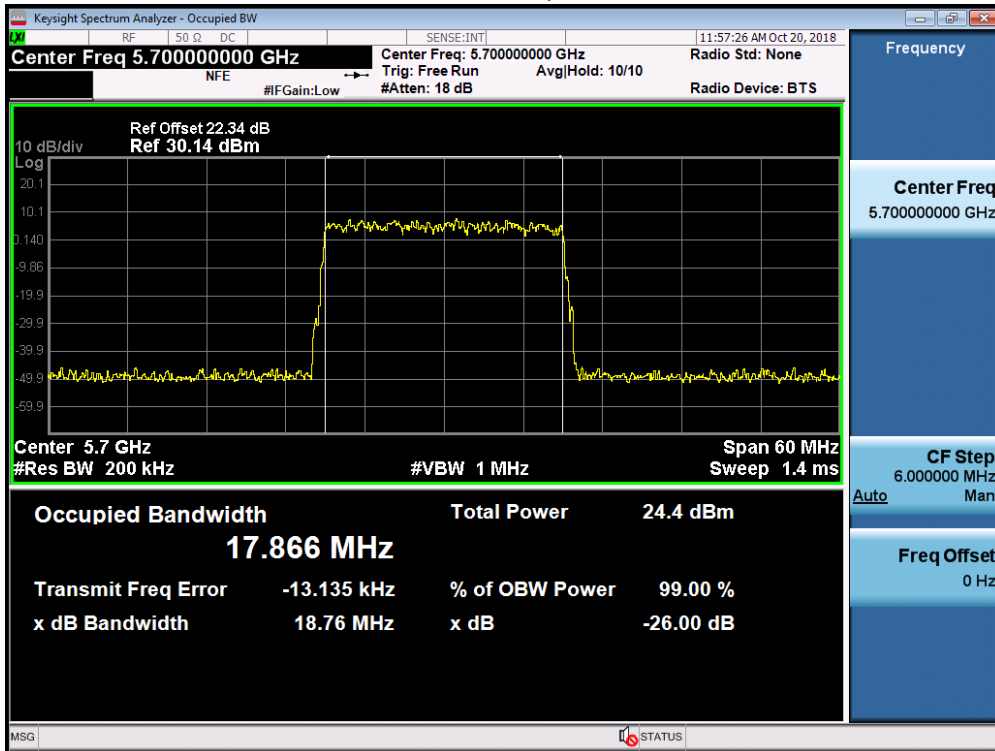
Channel Position B - 256QAM / Bandwidth 20.0 MHz



Channel Position M – 256QAM / Bandwidth 20.0 MHz



Channel Position T – 256QAM / Bandwidth 20.0 MHz



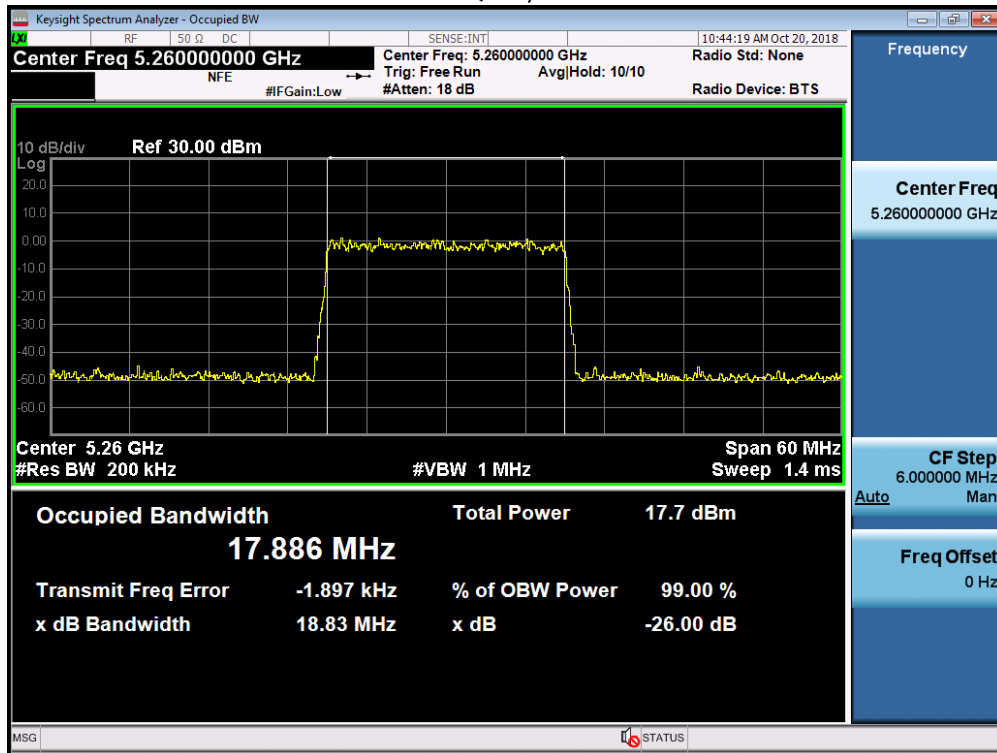
Configuration B1

L-MIMO-SC

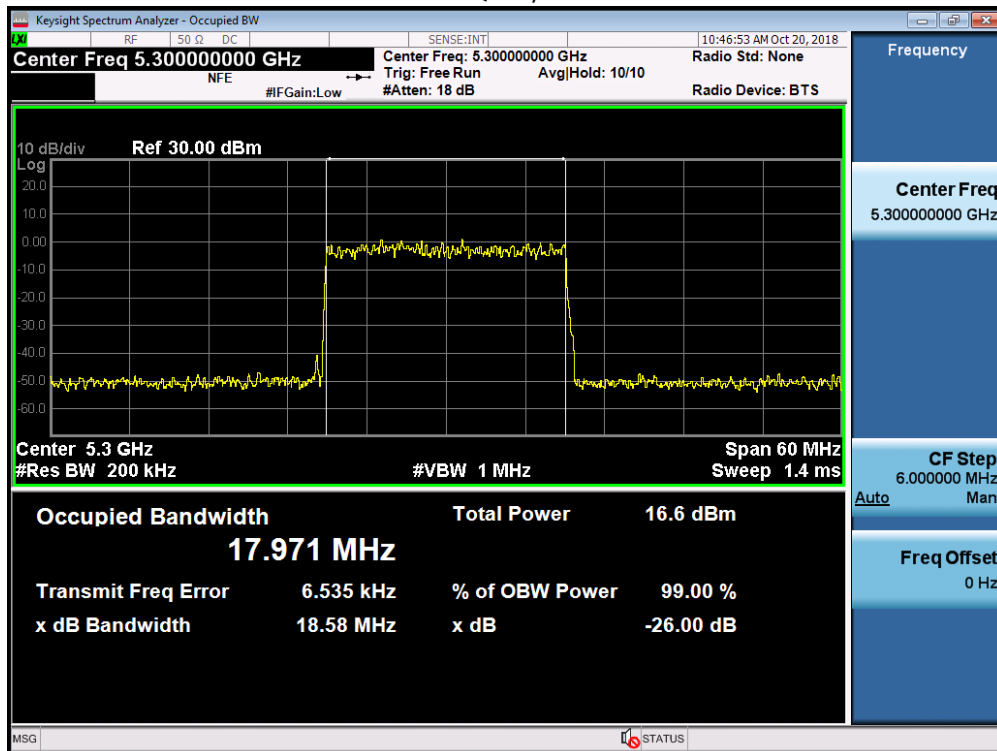
Maximum Output Power 12dBm per port:

Modulation / Bandwidth	Occupied Bandwidth (MHz)					
	Channel Position B 5260MHz		Channel Position M 5300MHz		Channel Position T 5320MHz	
	99% Bandwidth	-26dB Bandwidth	99% Bandwidth	-26dB Bandwidth	99% Bandwidth	-26dB Bandwidth
QPSK / 20.0MHz	17.886	18.830	17.971	18.580	17.905	18.580
16QAM / 20.0MHz	17.873	18.700	17.904	18.640	17.836	18.650
64QAM / 20.0MHz	17.882	18.990	17.828	18.460	17.849	19.020
256QAM / 20.0MHz	17.916	18.950	17.841	18.820	17.880	18.680

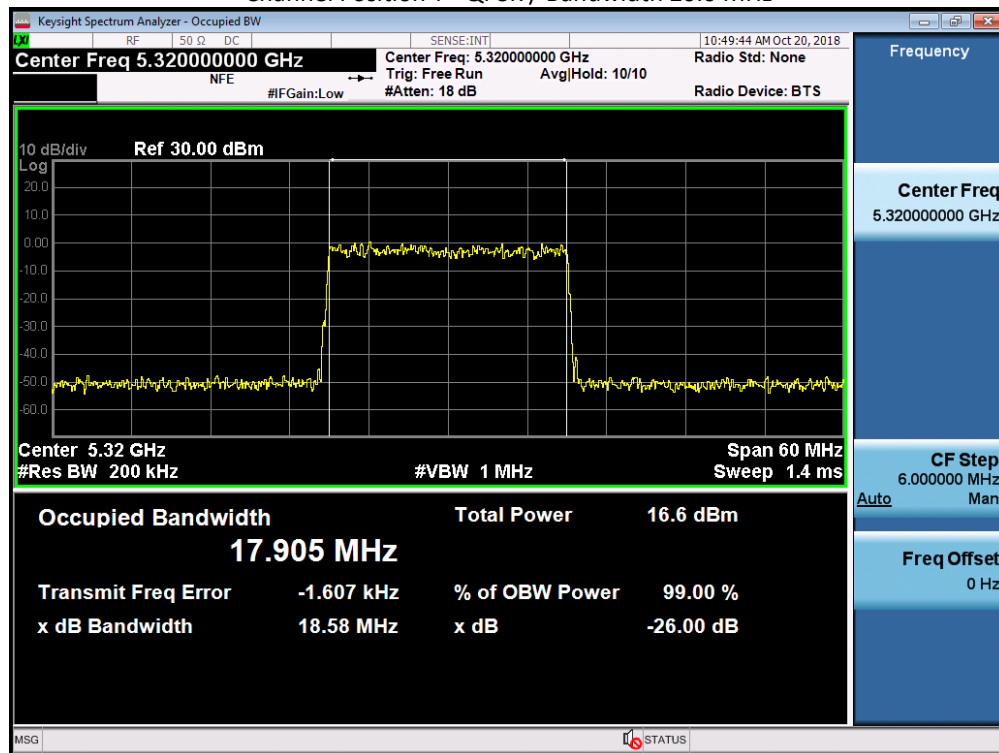
Channel Position B - QPSK / Bandwidth 20.0 MHz



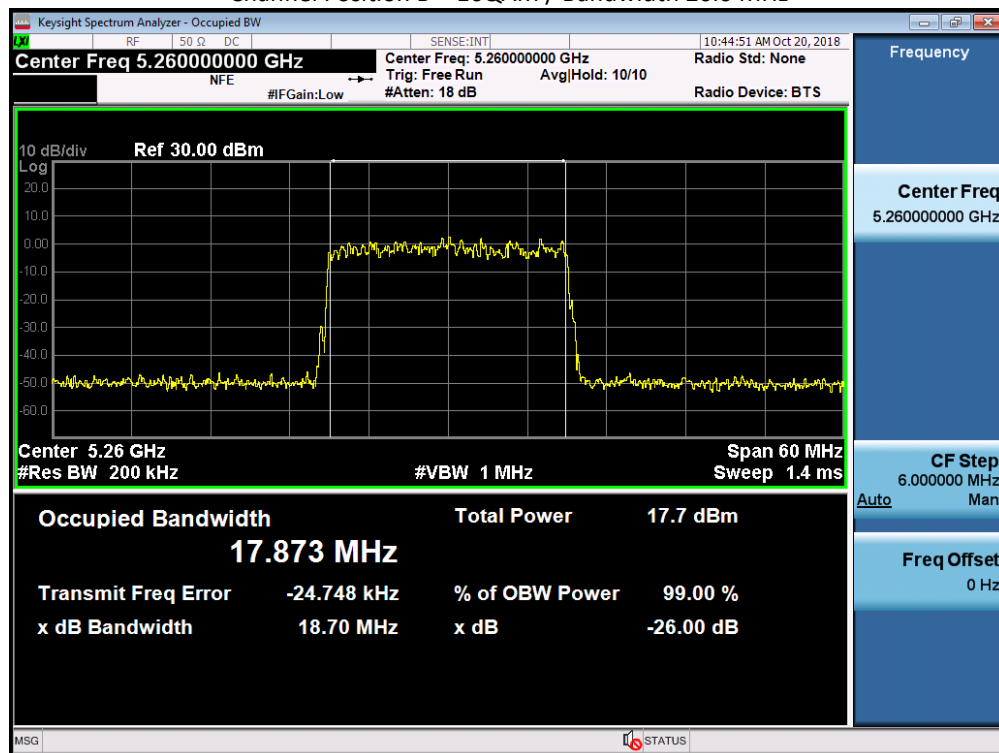
Channel Position M - QPSK / Bandwidth 20.0 MHz



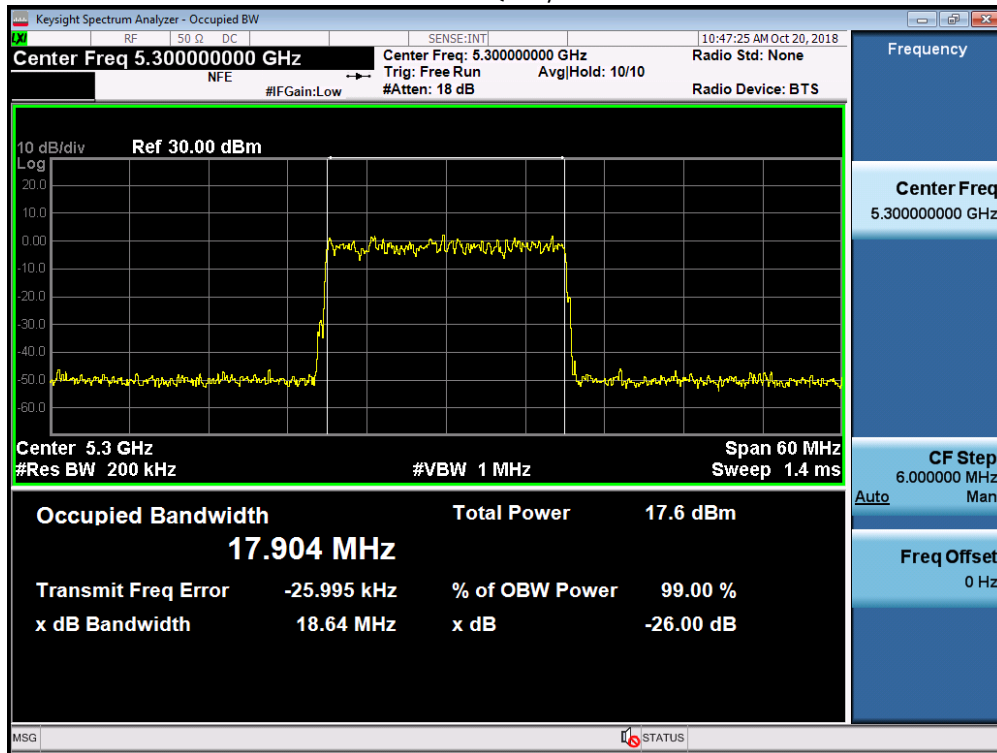
Channel Position T - QPSK / Bandwidth 20.0 MHz



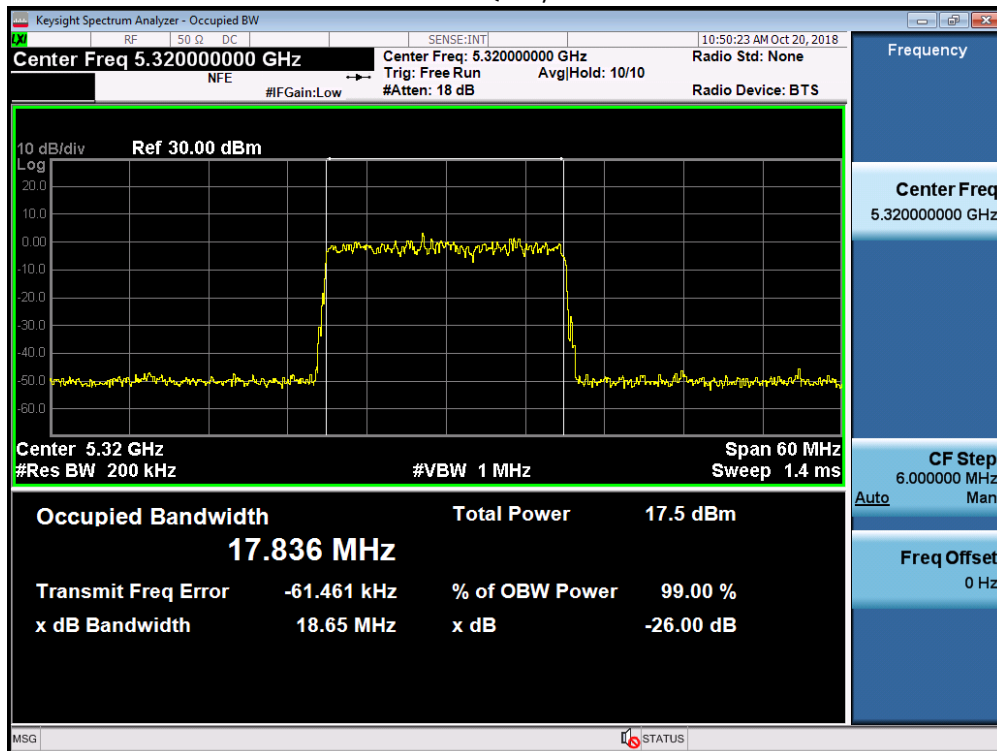
Channel Position B - 16QAM / Bandwidth 20.0 MHz



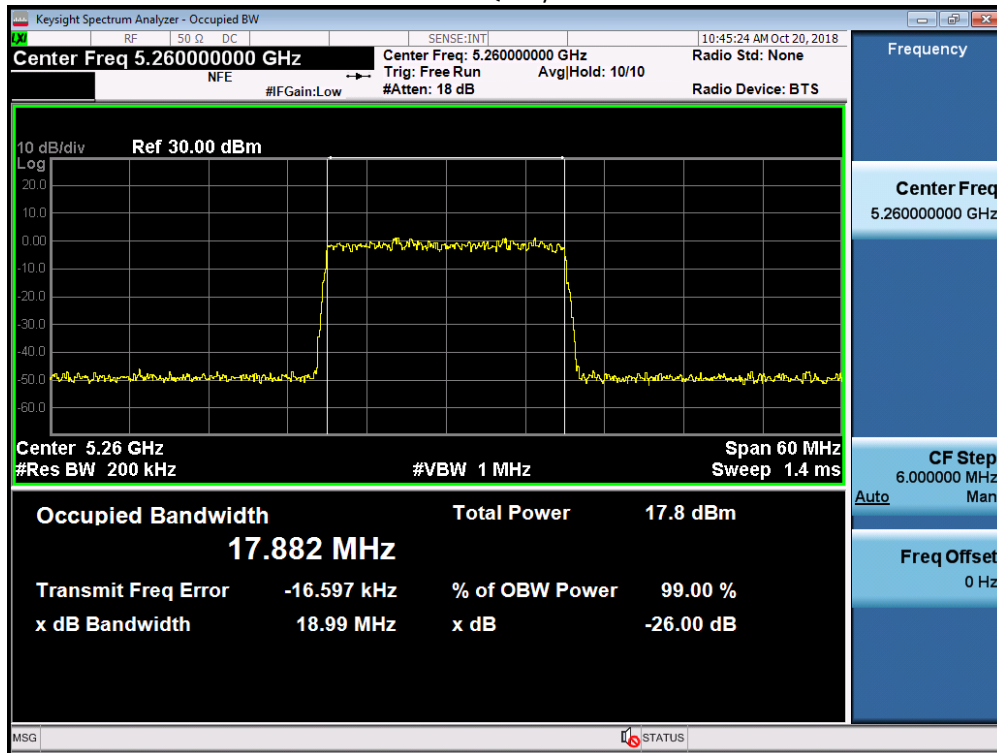
Channel Position M – 16QAM / Bandwidth 20.0 MHz



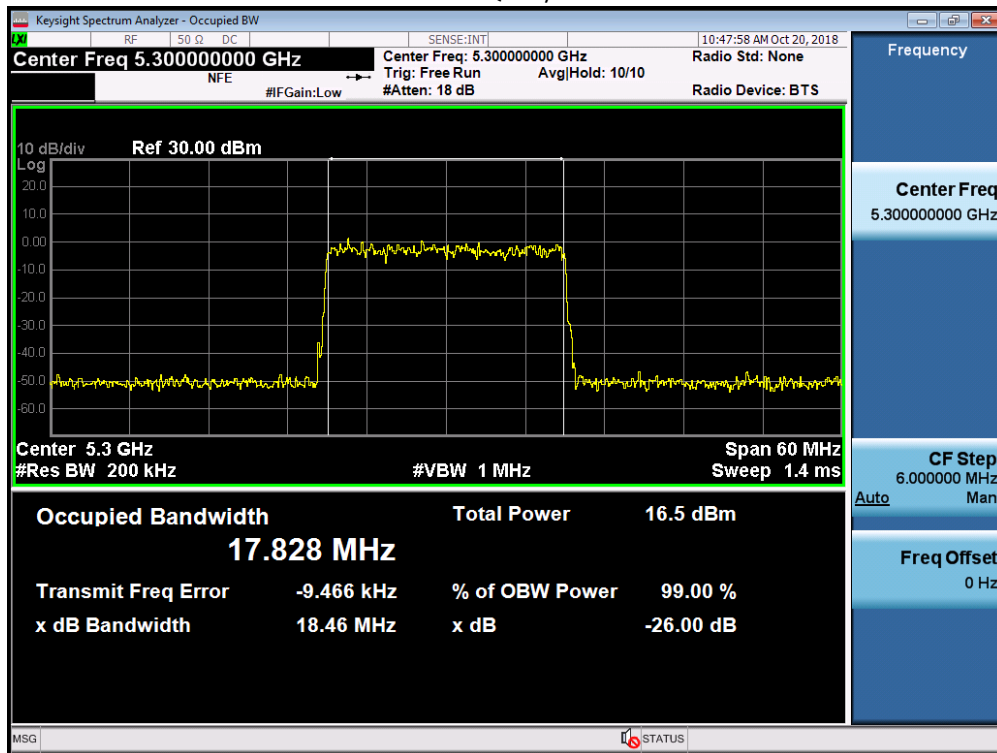
Channel Position T – 16QAM / Bandwidth 20.0 MHz



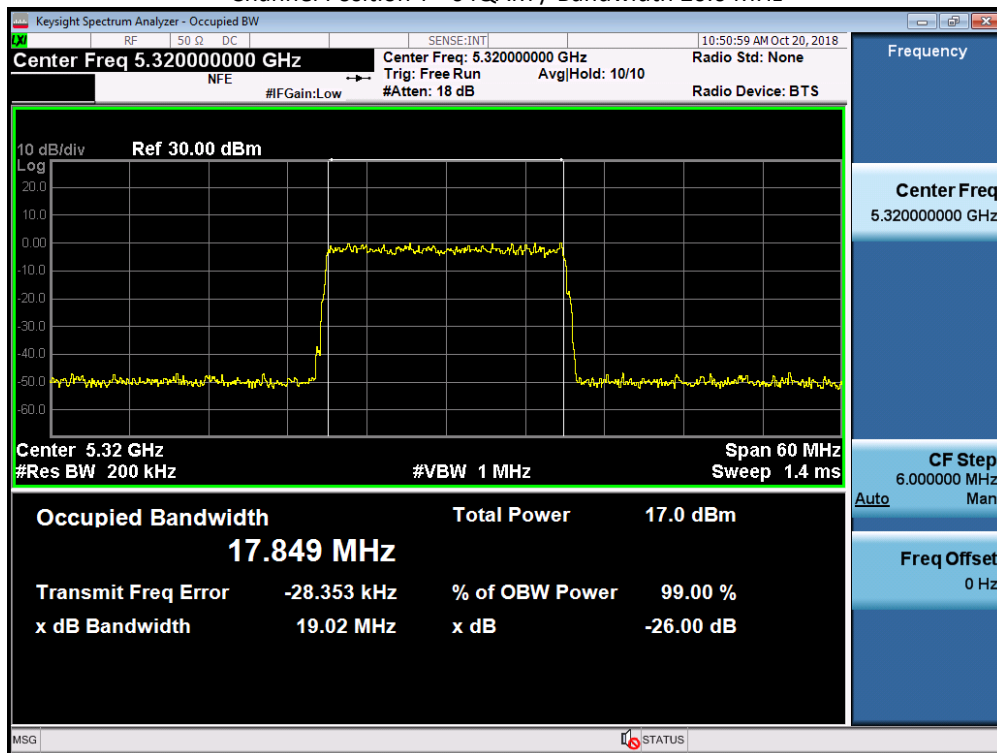
Channel Position B – 64QAM / Bandwidth 20.0 MHz



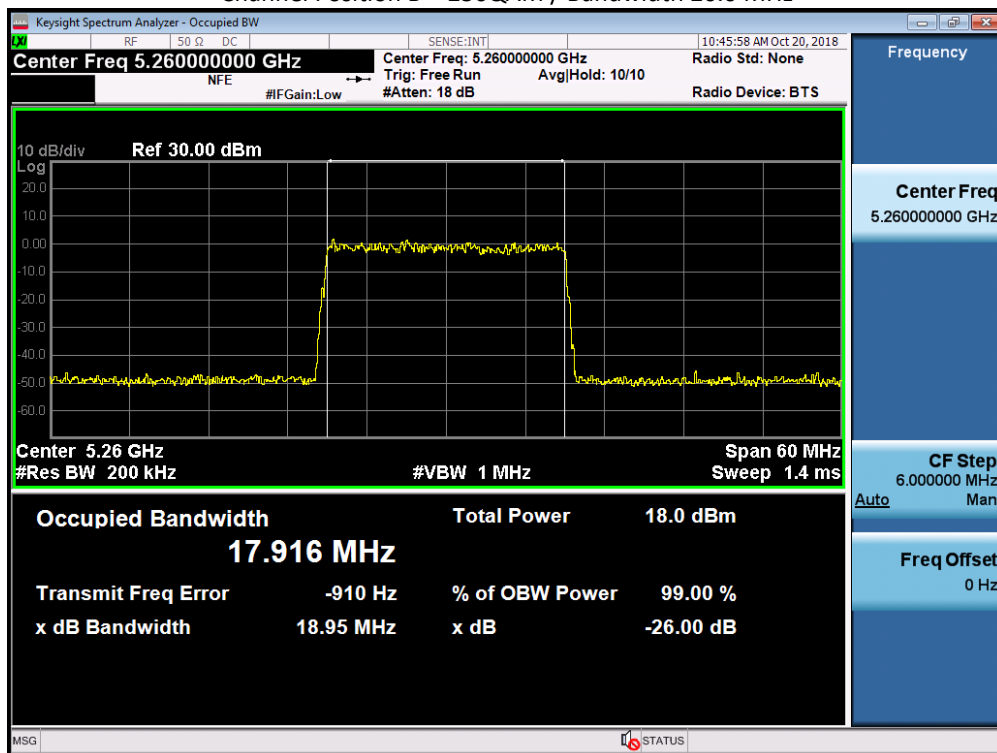
Channel Position M - 64QAM / Bandwidth 20.0 MHz



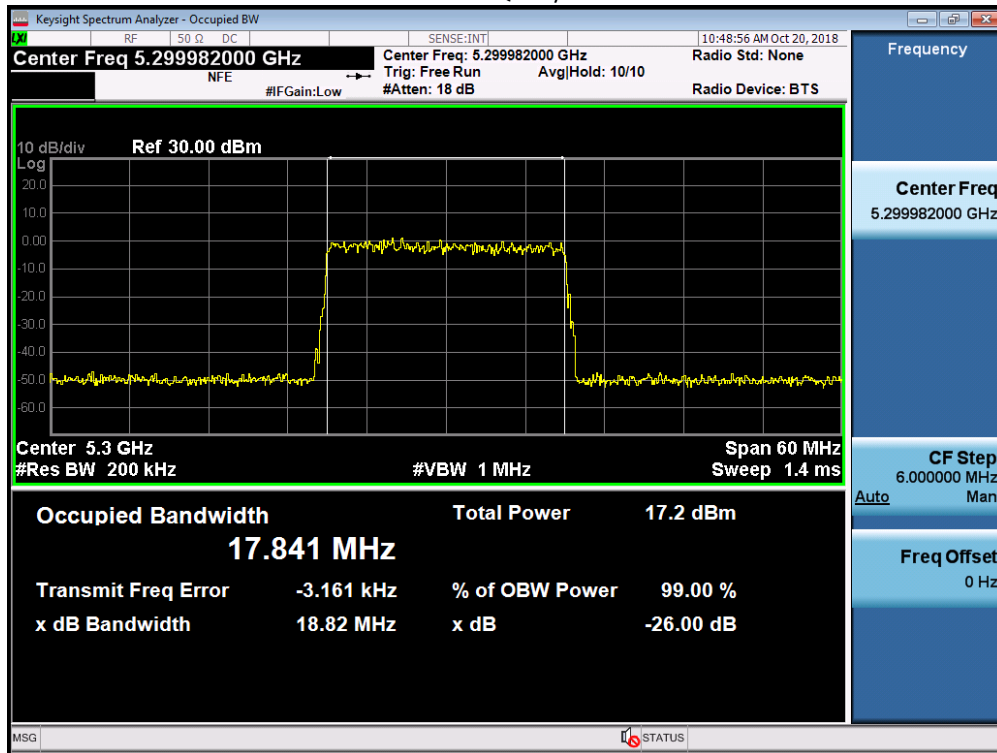
Channel Position T - 64QAM / Bandwidth 20.0 MHz



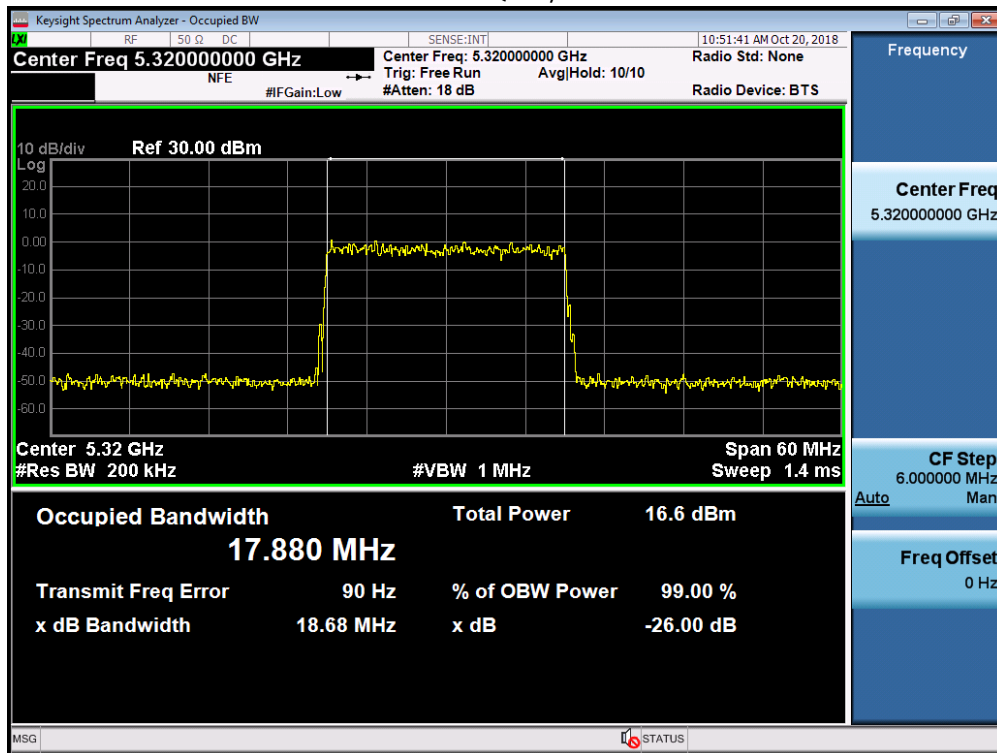
Channel Position B - 256QAM / Bandwidth 20.0 MHz



Channel Position M – 256QAM / Bandwidth 20.0 MHz



Channel Position T – 256QAM / Bandwidth 20.0 MHz



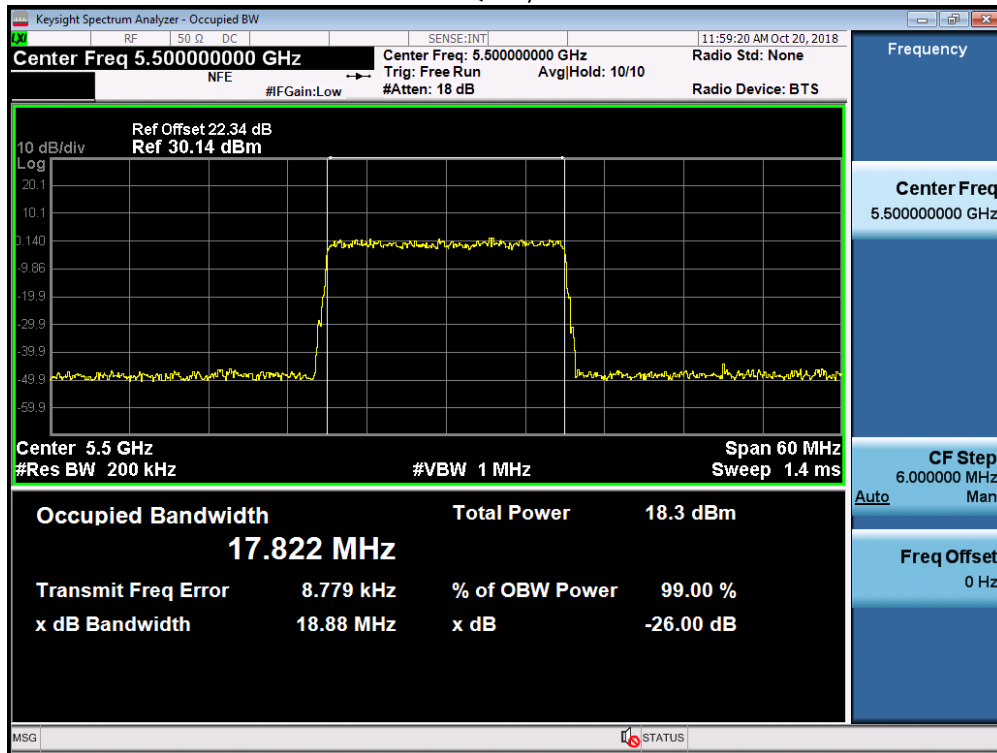
Configuration B2 for FCC

L-MIMO-SC

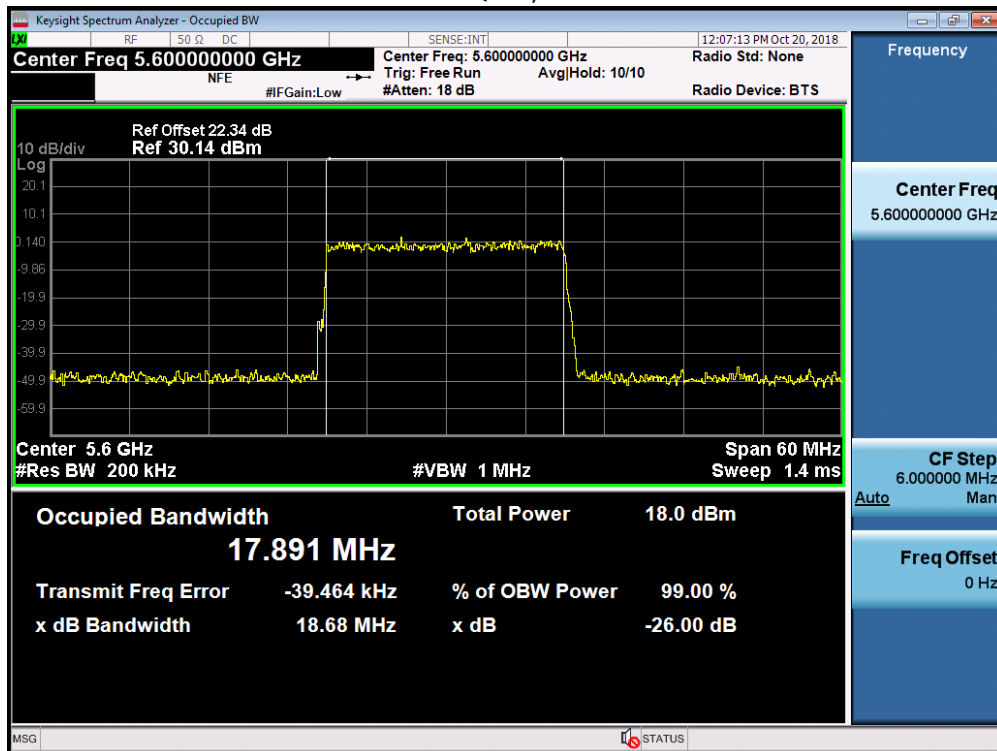
Maximum Output Power 12dBm per port:

Modulation / Bandwidth	Occupied Bandwidth (MHz)					
	Channel Position B 5500MHz		Channel Position M 5600MHz		Channel Position T 5700MHz	
	99% Bandwidth	-26dB Bandwidth	99% Bandwidth	-26dB Bandwidth	99% Bandwidth	-26dB Bandwidth
QPSK / 20.0MHz	17.822	18.880	17.891	18.680	17.824	18.940
16QAM / 20.0MHz	17.852	18.800	17.861	18.840	17.808	18.620
64QAM / 20.0MHz	17.886	18.640	17.855	18.650	17.919	18.690
256QAM / 20.0MHz	17.896	18.710	17.897	18.870	17.841	18.710

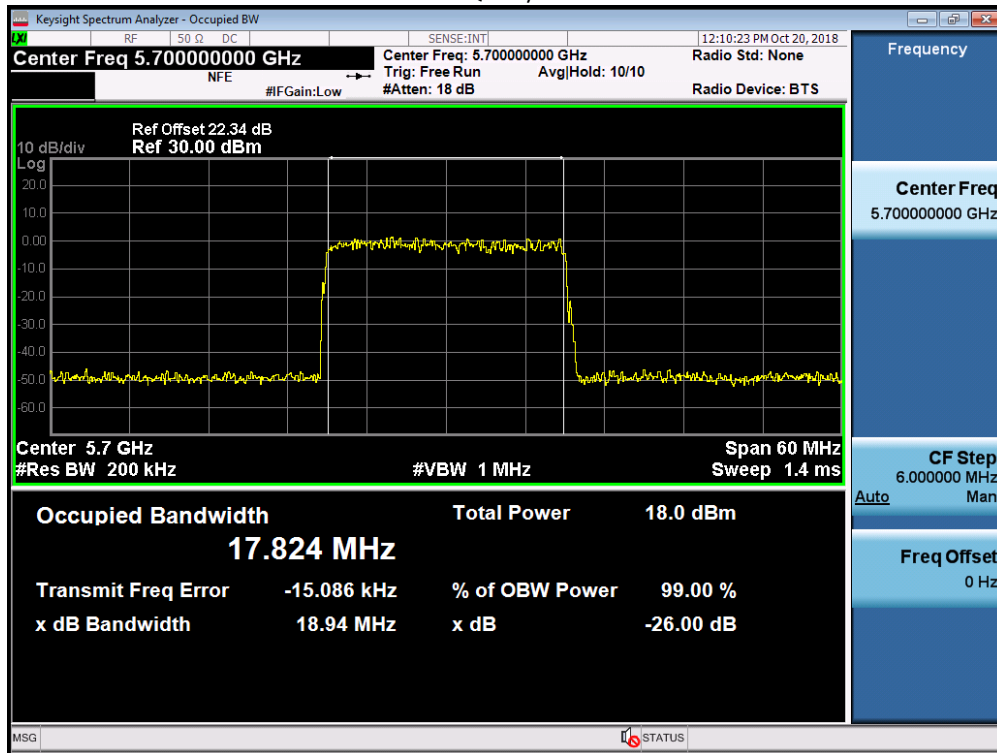
Channel Position B - QPSK / Bandwidth 20.0 MHz



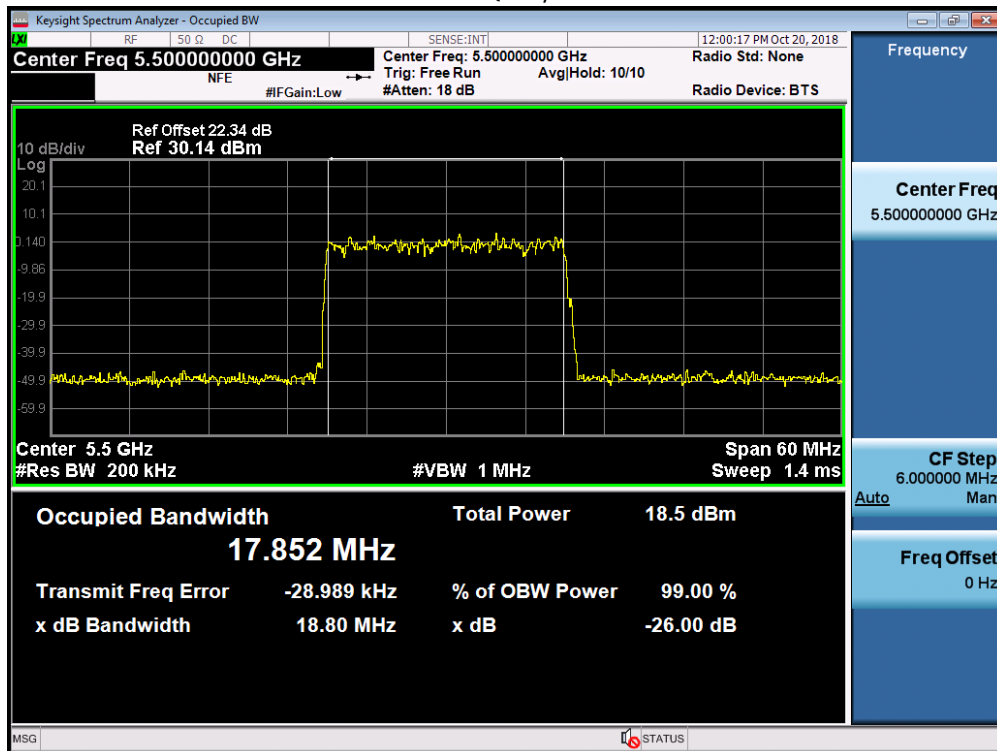
Channel Position M - QPSK / Bandwidth 20.0 MHz



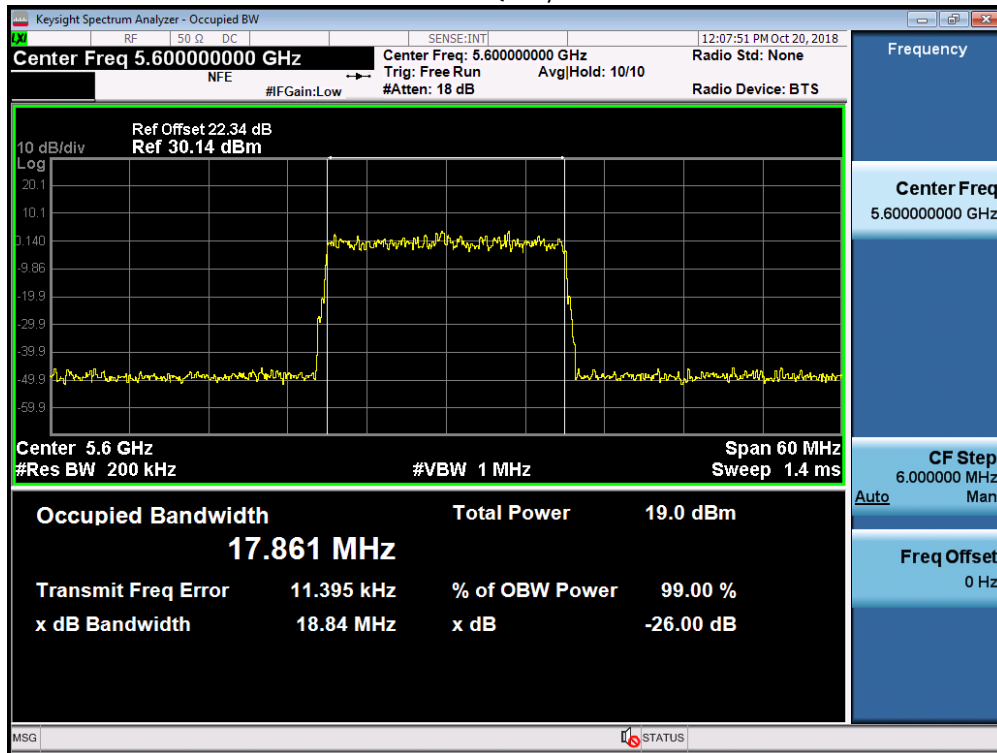
Channel Position T - QPSK / Bandwidth 20.0 MHz



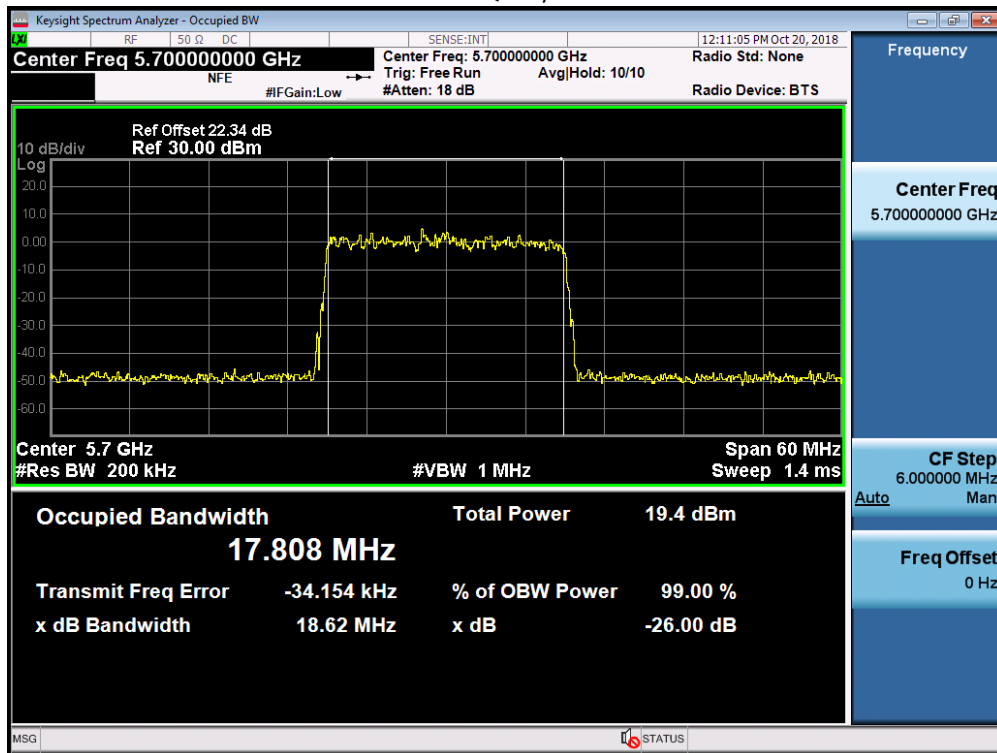
Channel Position B - 16QAM / Bandwidth 20.0 MHz



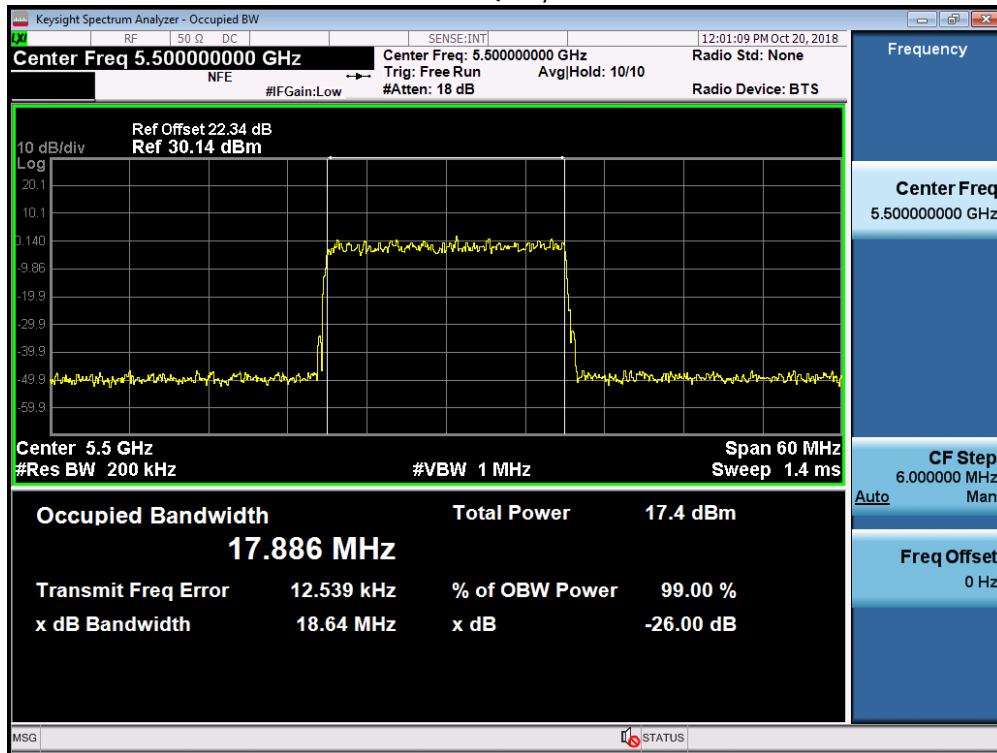
Channel Position M – 16QAM / Bandwidth 20.0 MHz



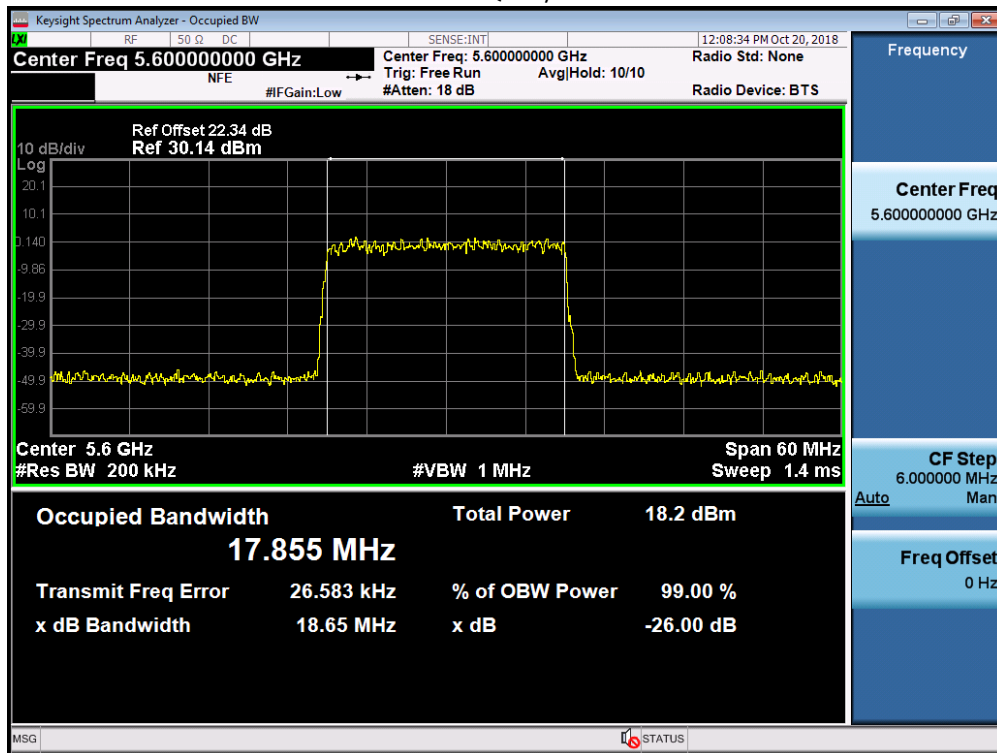
Channel Position T – 16QAM / Bandwidth 20.0 MHz



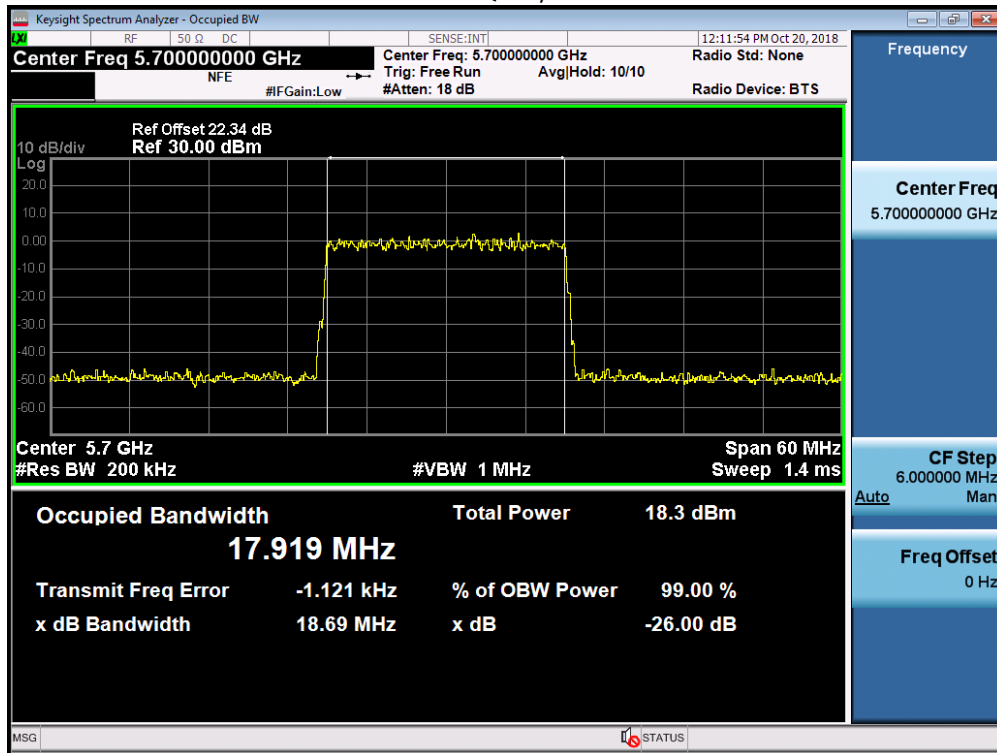
Channel Position B – 64QAM / Bandwidth 20.0 MHz



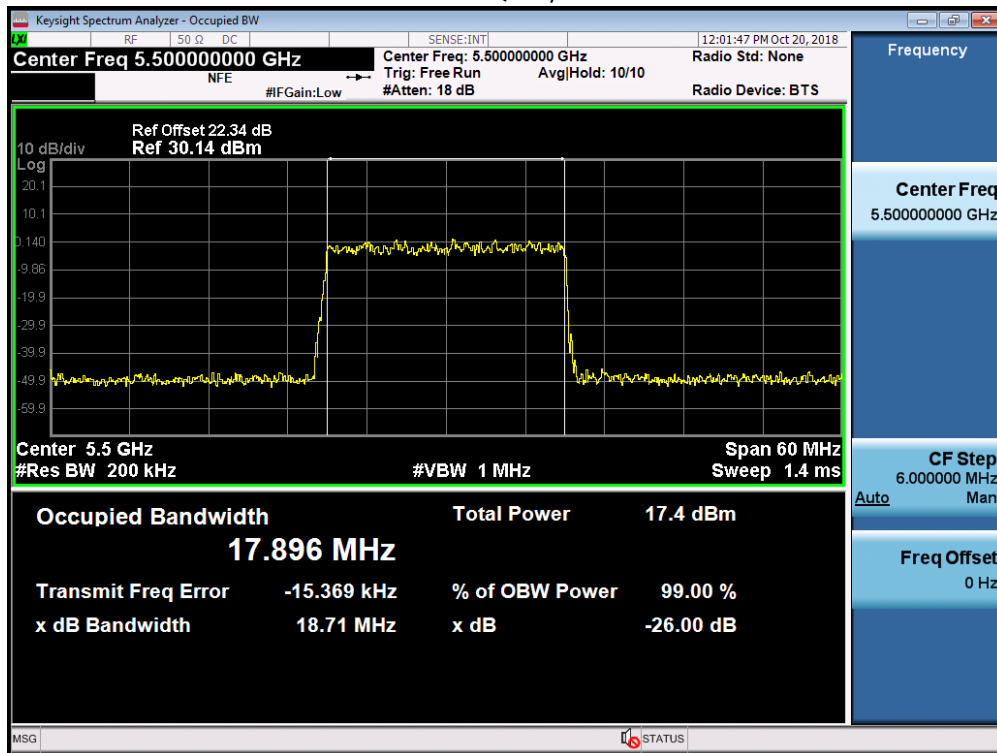
Channel Position M - 64QAM / Bandwidth 20.0 MHz



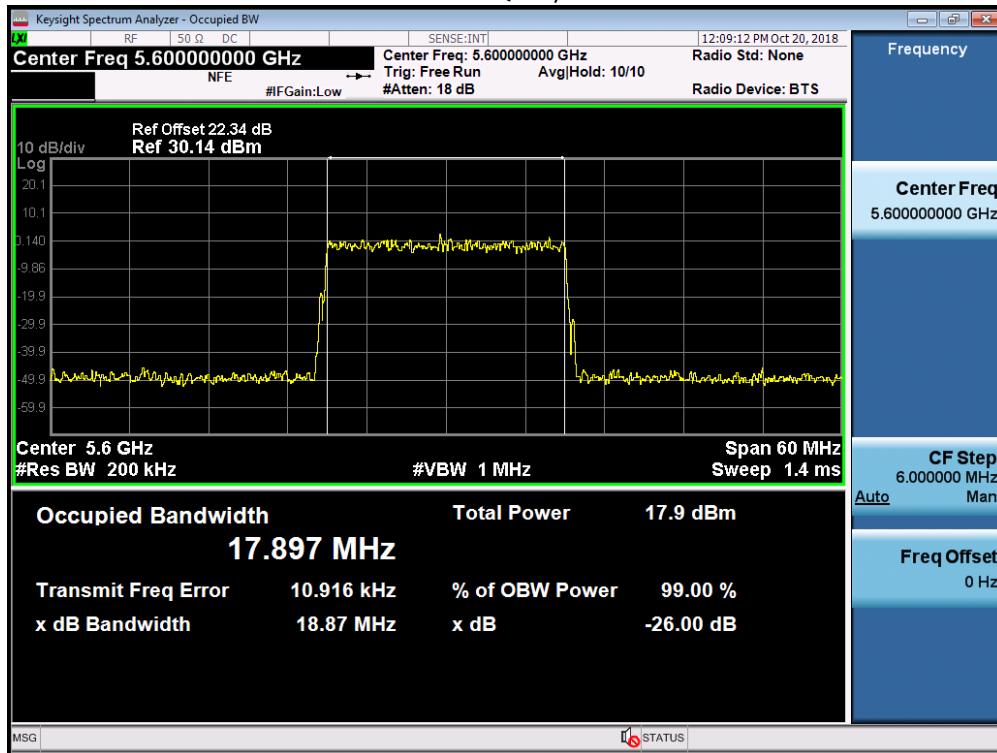
Channel Position T - 64QAM / Bandwidth 20.0 MHz



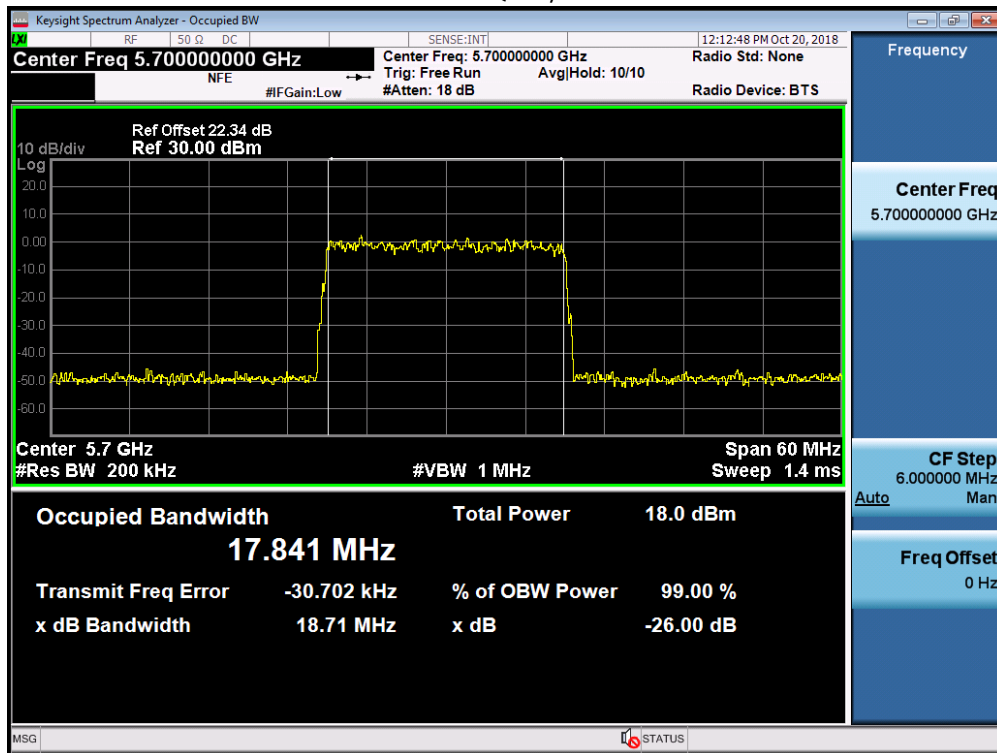
Channel Position B - 256QAM / Bandwidth 20.0 MHz



Channel Position M – 256QAM / Bandwidth 20.0 MHz



Channel Position T – 256QAM / Bandwidth 20.0 MHz



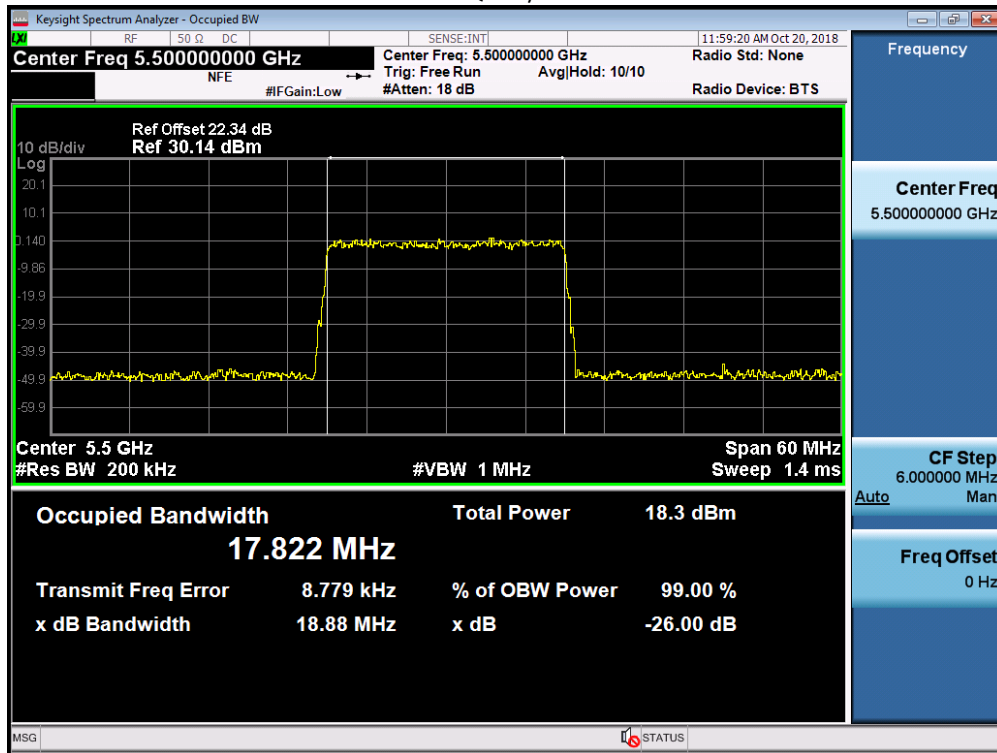
Configuration B2 for IC

L-MIMO-SC

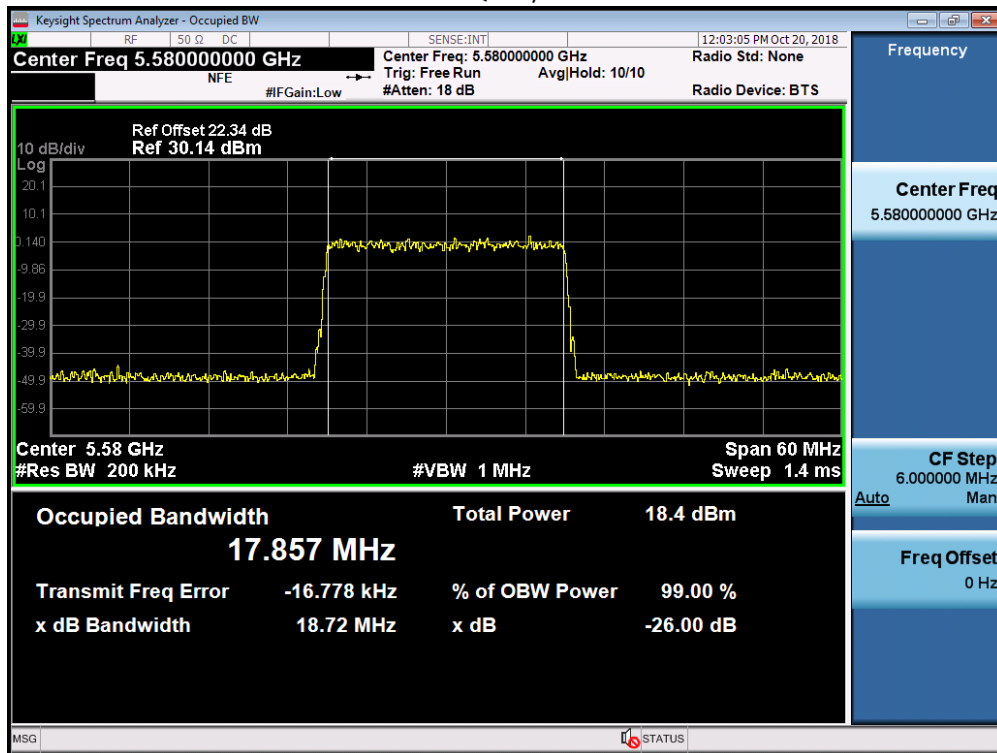
Maximum Output Power 12dBm per port:

Modulation / Bandwidth	Occupied Bandwidth (MHz)					
	Channel Position B 5500MHz		Channel Position M 5580MHz		Channel Position T 5700MHz	
	99% Bandwidth	-26dB Bandwidth	99% Bandwidth	-26dB Bandwidth	99% Bandwidth	-26dB Bandwidth
QPSK / 20.0MHz	17.822	18.880	17.857	18.720	17.824	18.940
16QAM / 20.0MHz	17.852	18.800	17.797	18.720	17.808	18.620
64QAM / 20.0MHz	17.886	18.640	17.819	18.680	17.919	18.690
256QAM / 20.0MHz	17.896	18.710	17.908	18.760	17.841	18.710

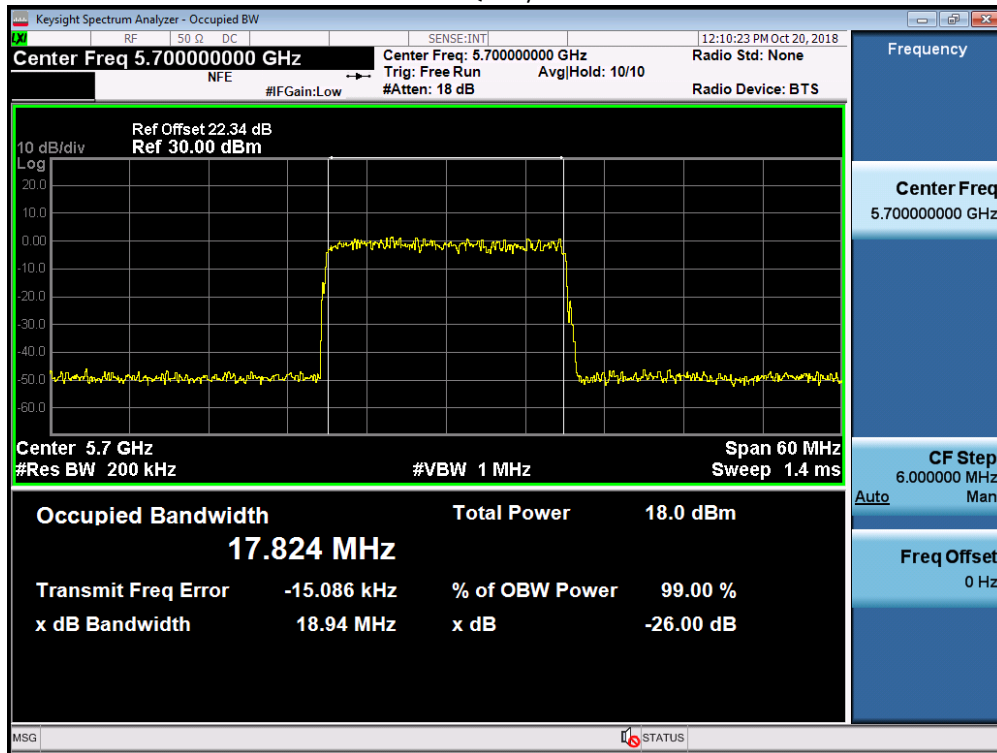
Channel Position B - QPSK / Bandwidth 20.0 MHz



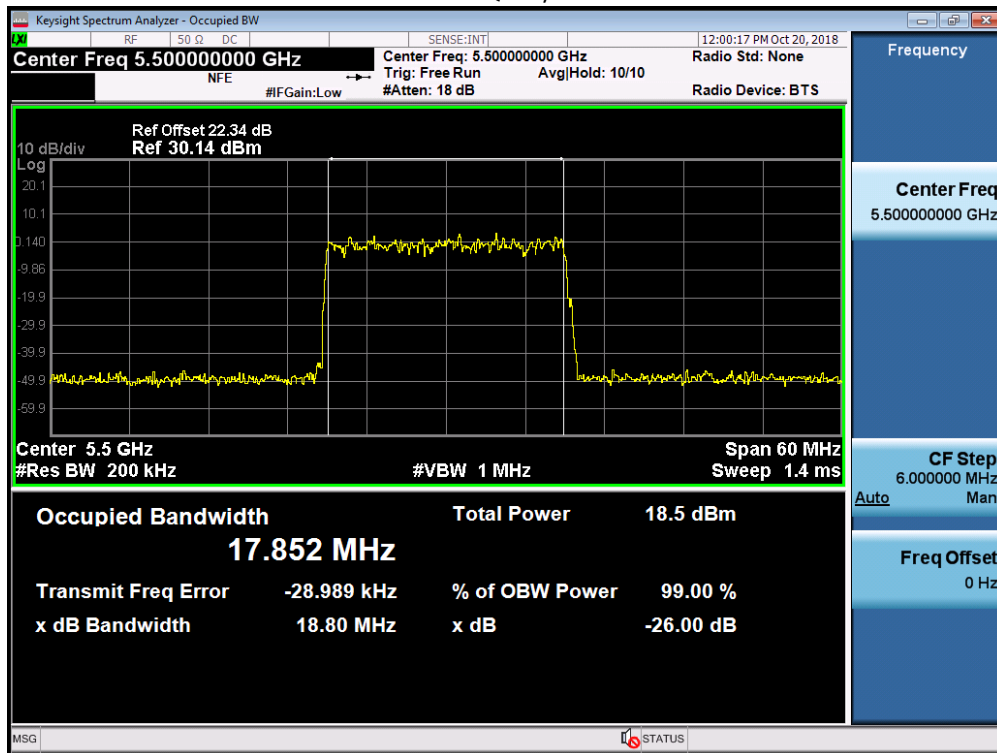
Channel Position M - QPSK / Bandwidth 20.0 MHz



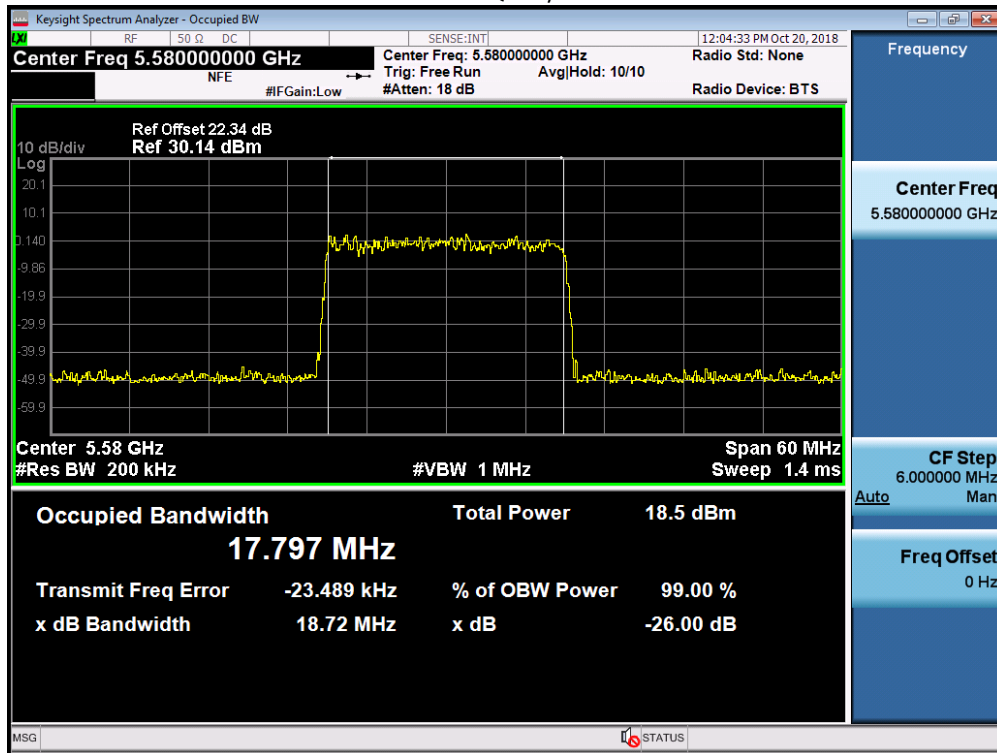
Channel Position T - QPSK / Bandwidth 20.0 MHz



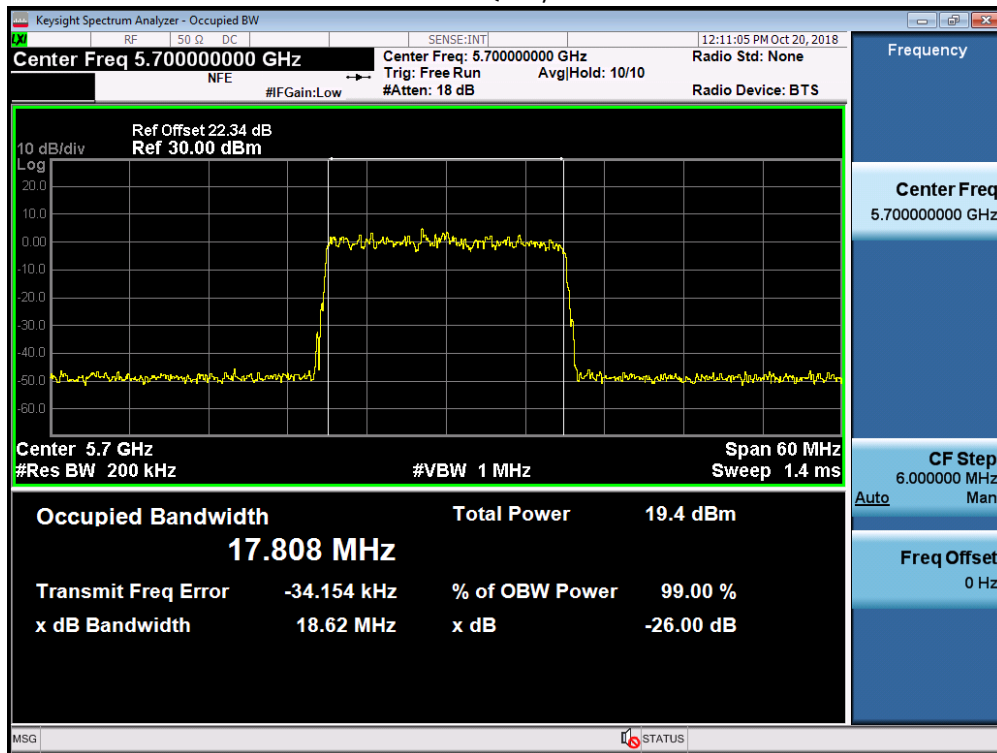
Channel Position B - 16QAM / Bandwidth 20.0 MHz



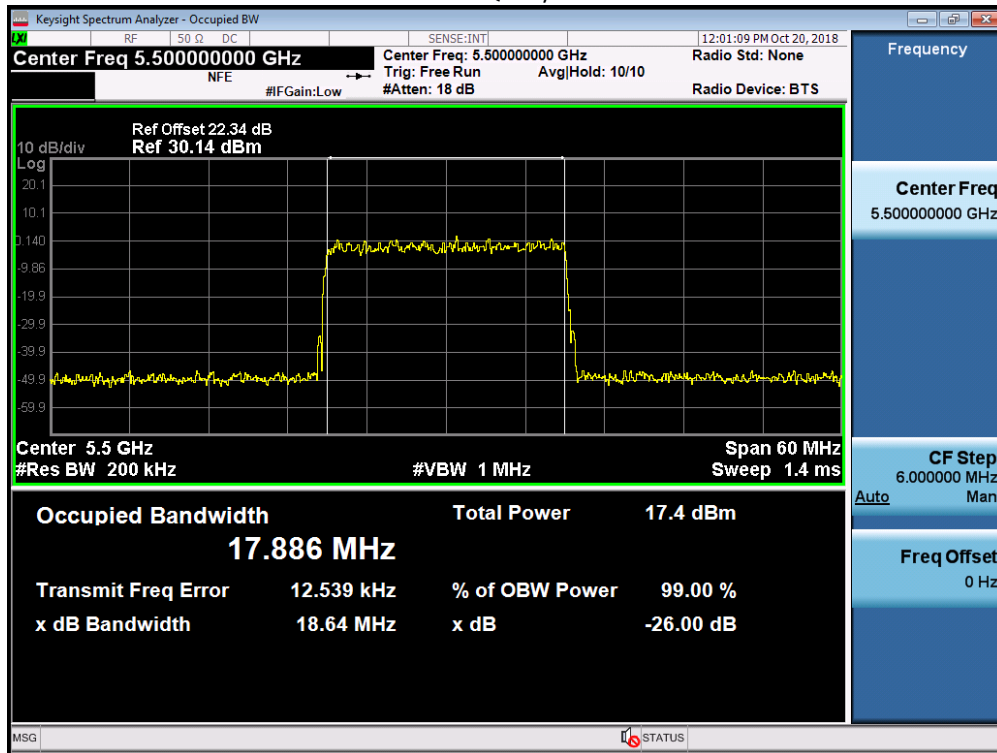
Channel Position M – 16QAM / Bandwidth 20.0 MHz



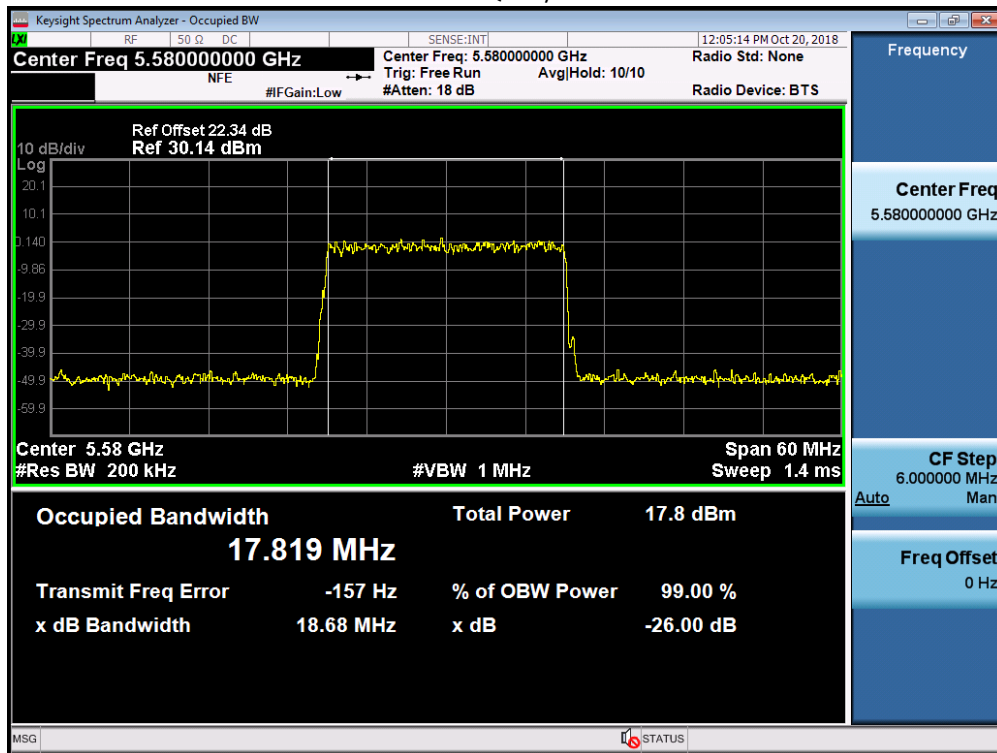
Channel Position T – 16QAM / Bandwidth 20.0 MHz



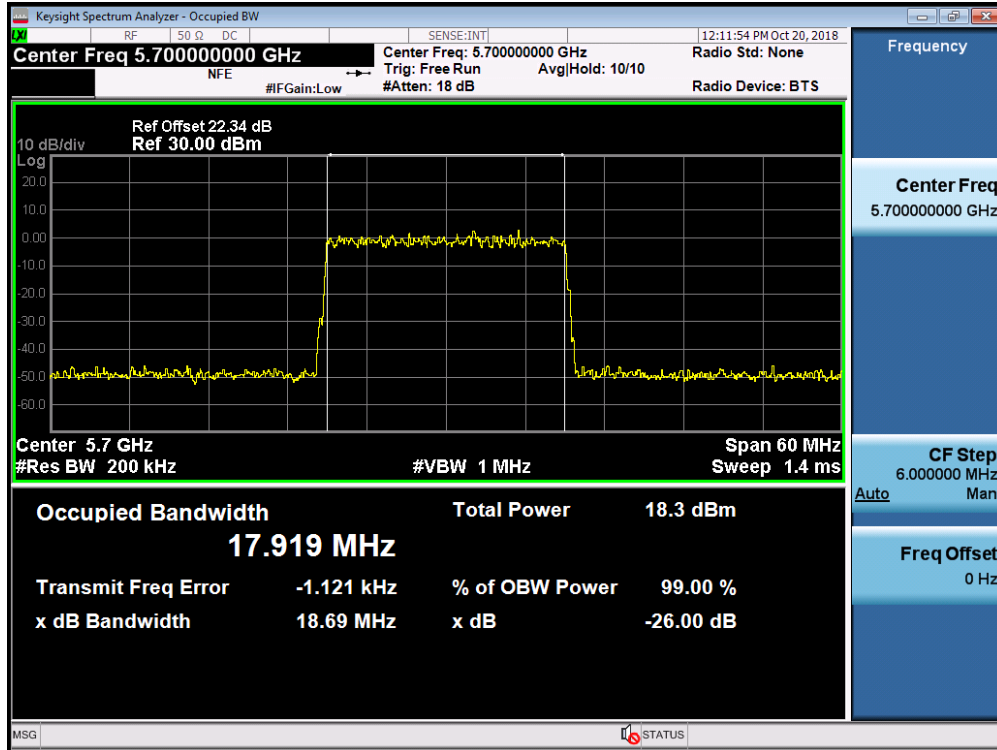
Channel Position B – 64QAM / Bandwidth 20.0 MHz



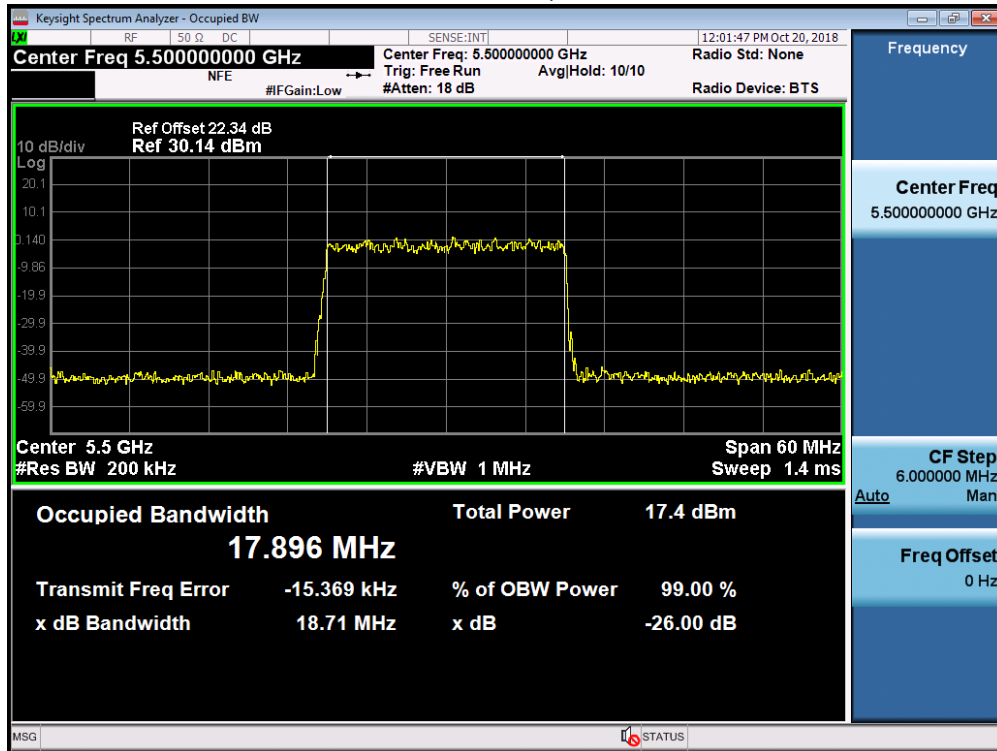
Channel Position M - 64QAM / Bandwidth 20.0 MHz



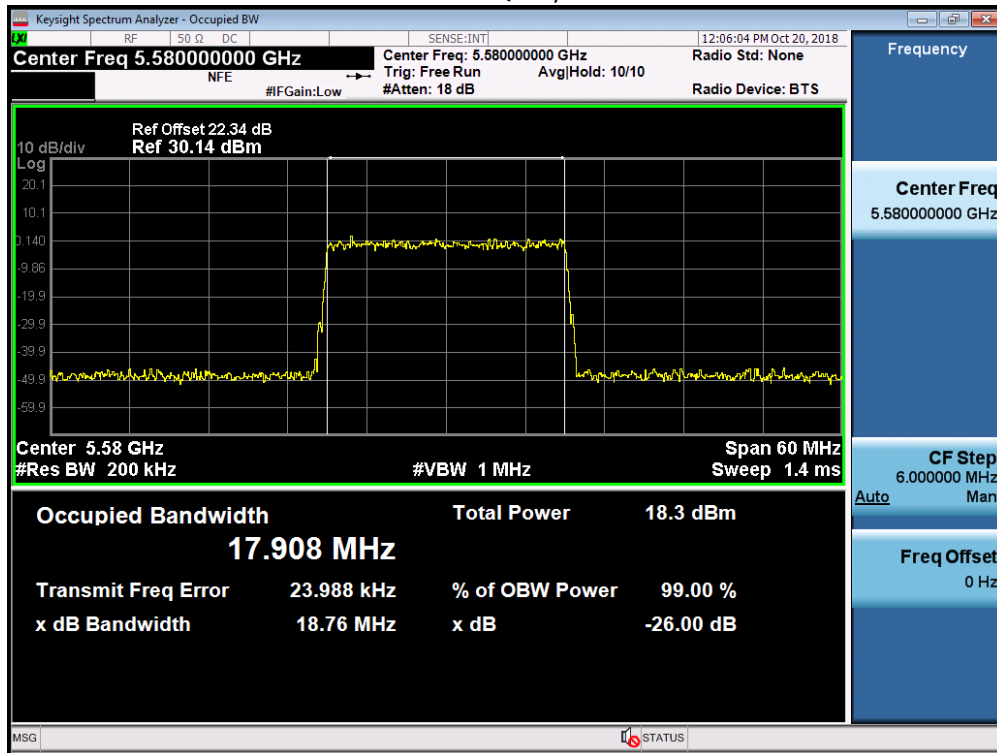
Channel Position T - 64QAM / Bandwidth 20.0 MHz



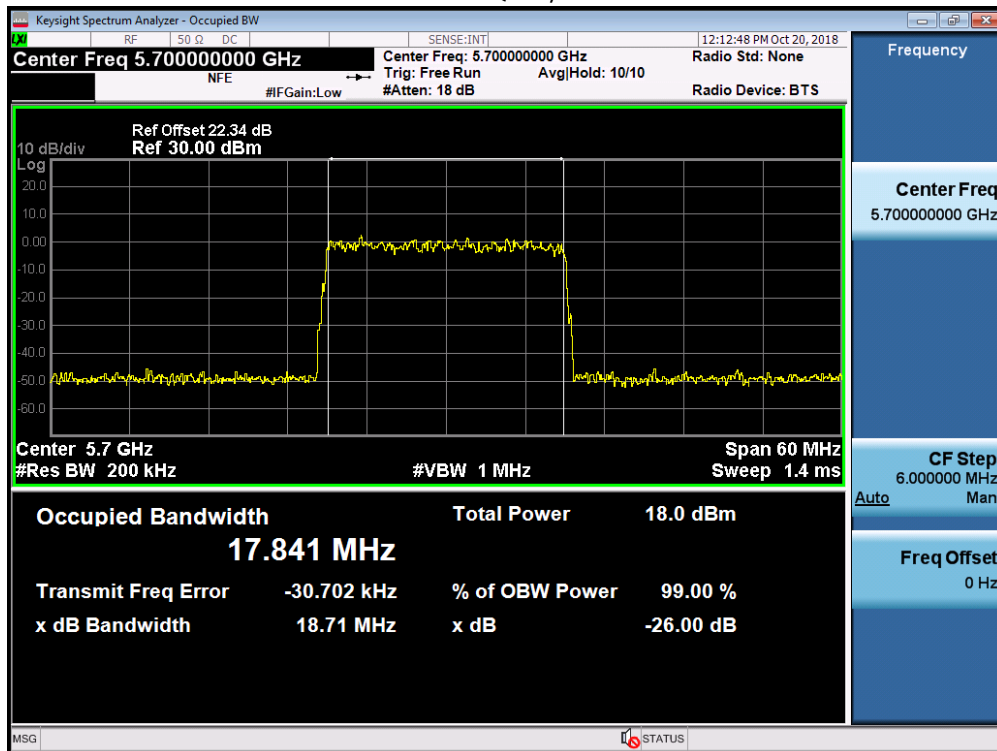
Channel Position B - 256QAM / Bandwidth 20.0 MHz



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 5.25-5.35 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 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.

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 5.25-5.35 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 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (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 -3.01 dB $[10\text{Log}2]$ by using the Measure and Add $10\text{Log}(N)$ 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

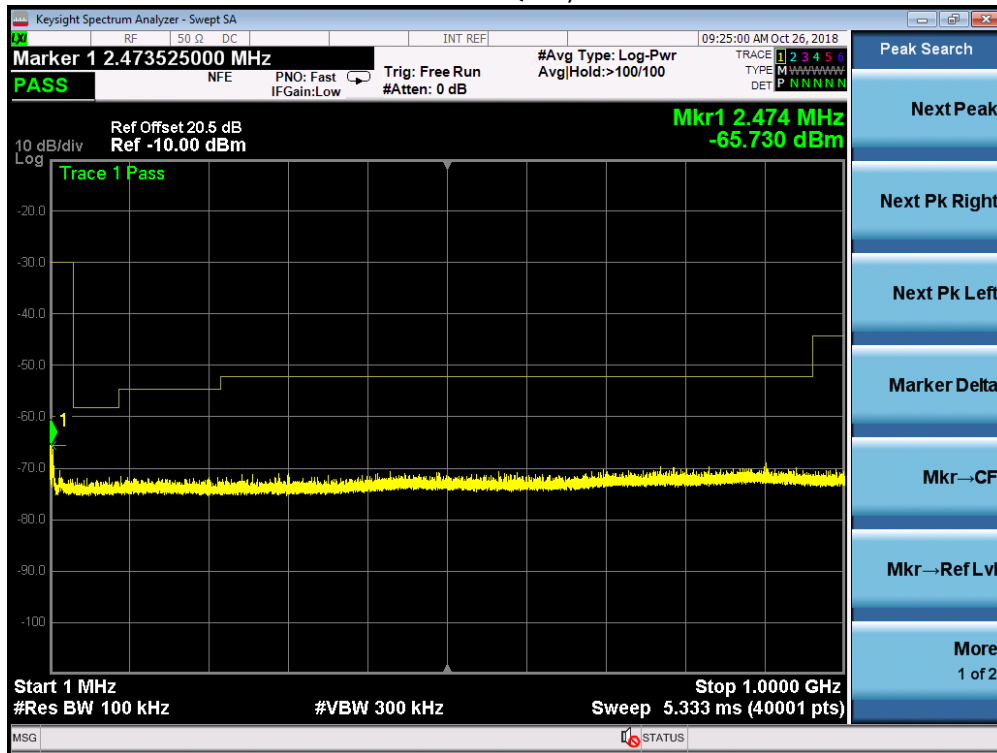
Configuration A1

L-MIMO-SC

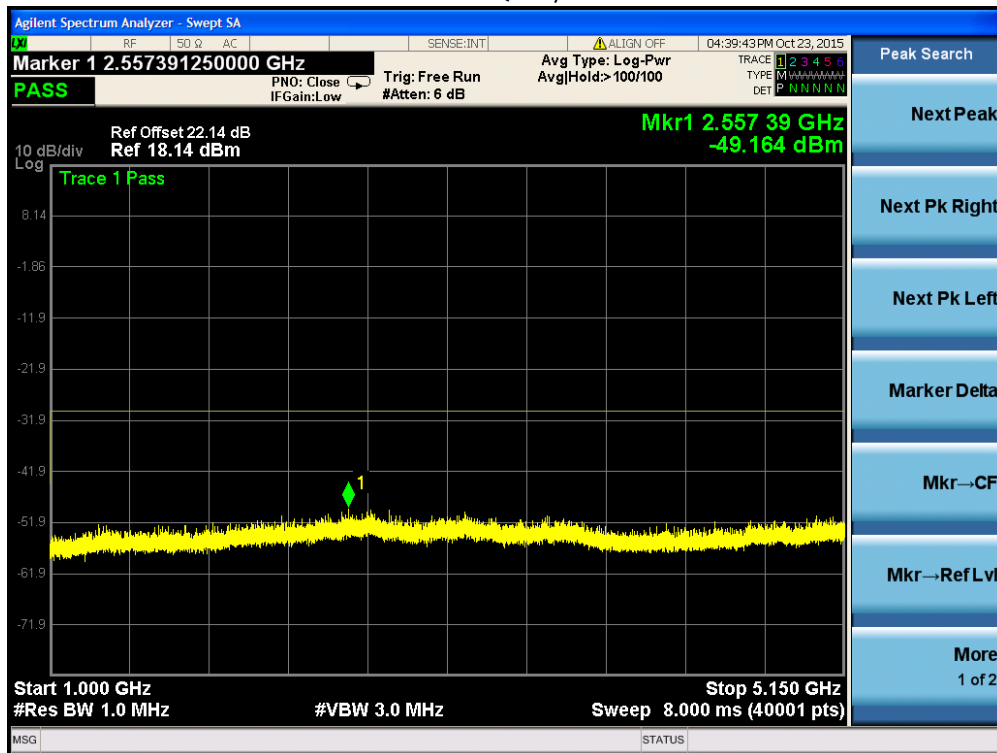
Maximum Output Power 18dBm per port:

Channel Position	Bandwidth (MHz)	Channel Frequency
B	20.0 MHz	5260MHz
M	20.0 MHz	5300MHz
T	20.0 MHz	5320MHz

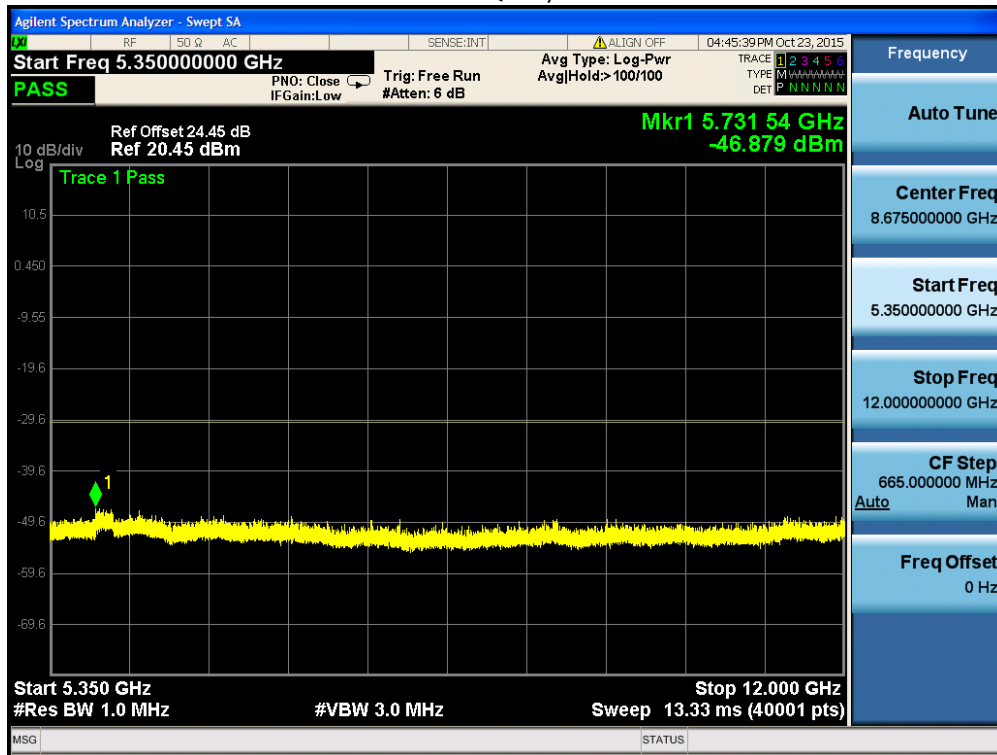
Channel Position B - QPSK / 1MHz – 1GHz



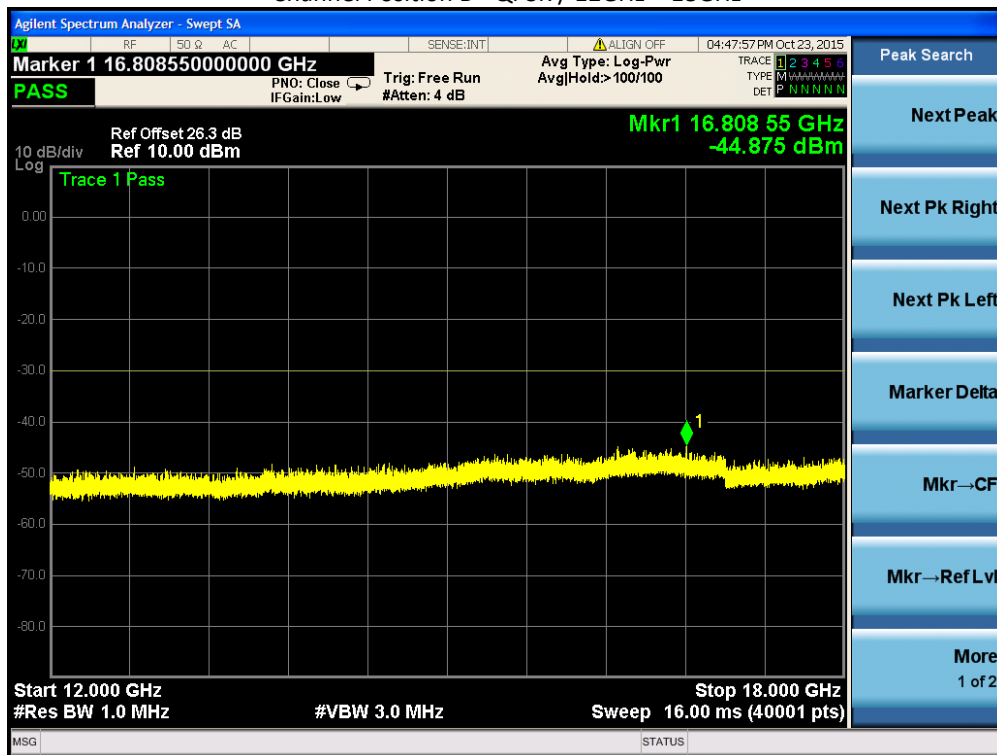
Channel Position B - QPSK / 1GHz – 5.15GHz



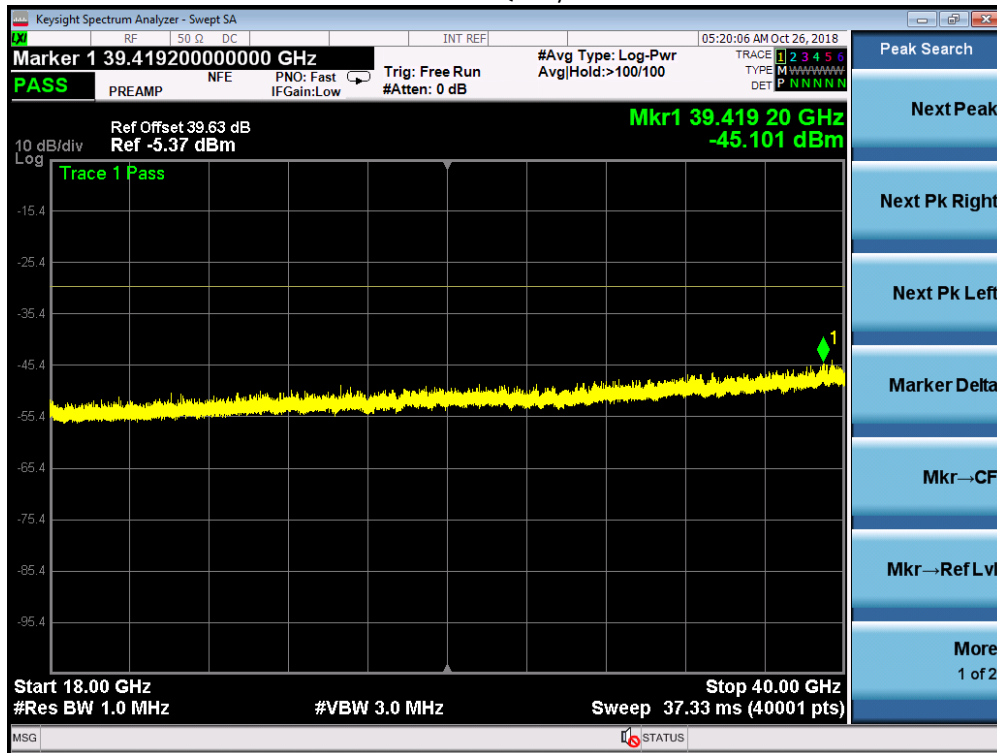
Channel Position B - QPSK / 5.35GHz – 12GHz



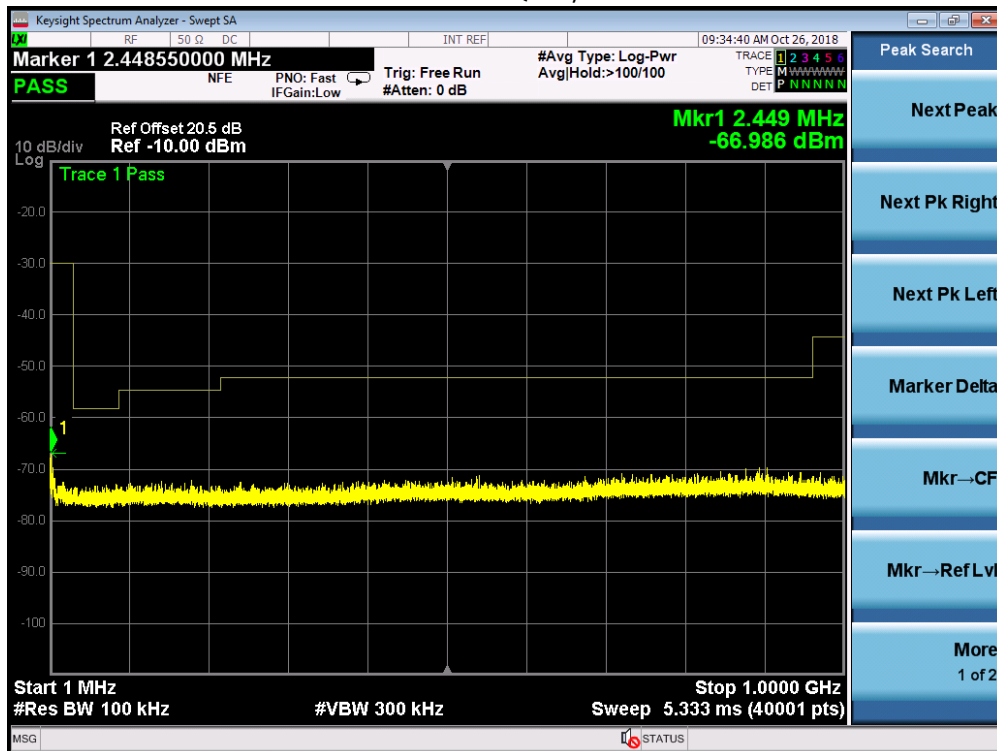
Channel Position B - QPSK / 12GHz – 18GHz



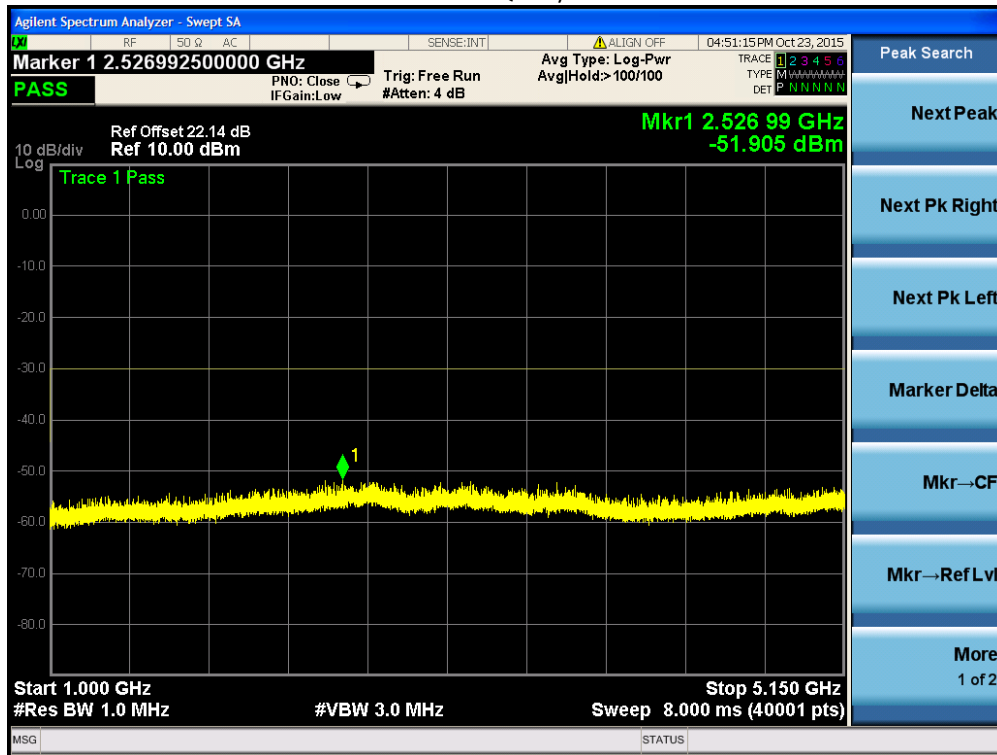
Channel Position B - QPSK / 18GHz – 40GHz



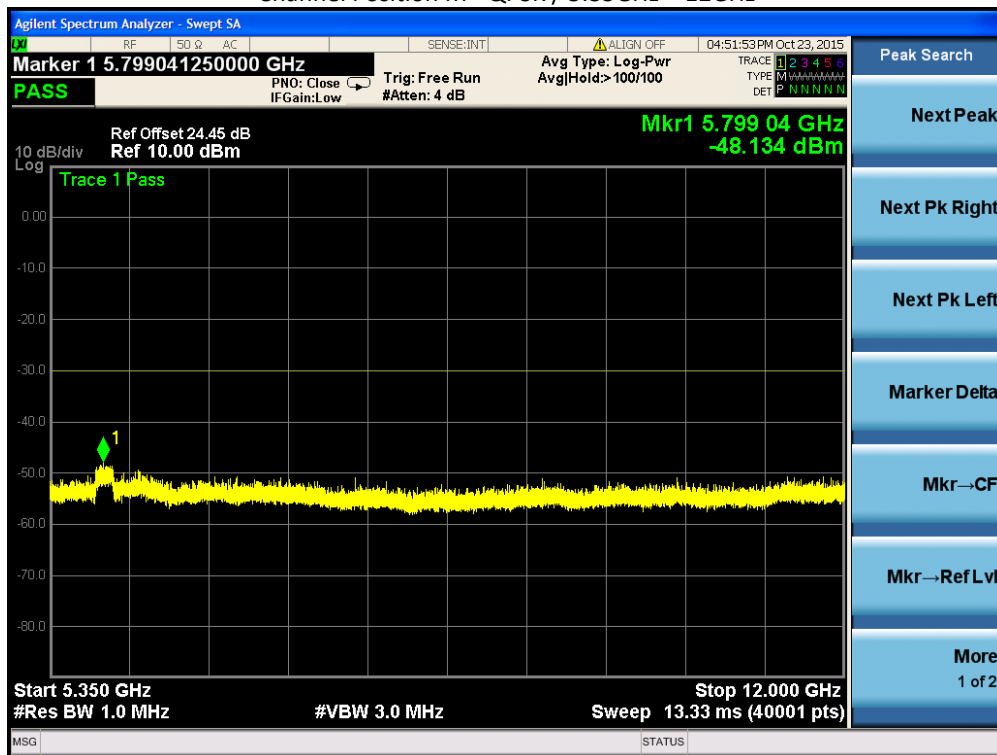
Channel Position M - QPSK / 1MHz – 1GHz



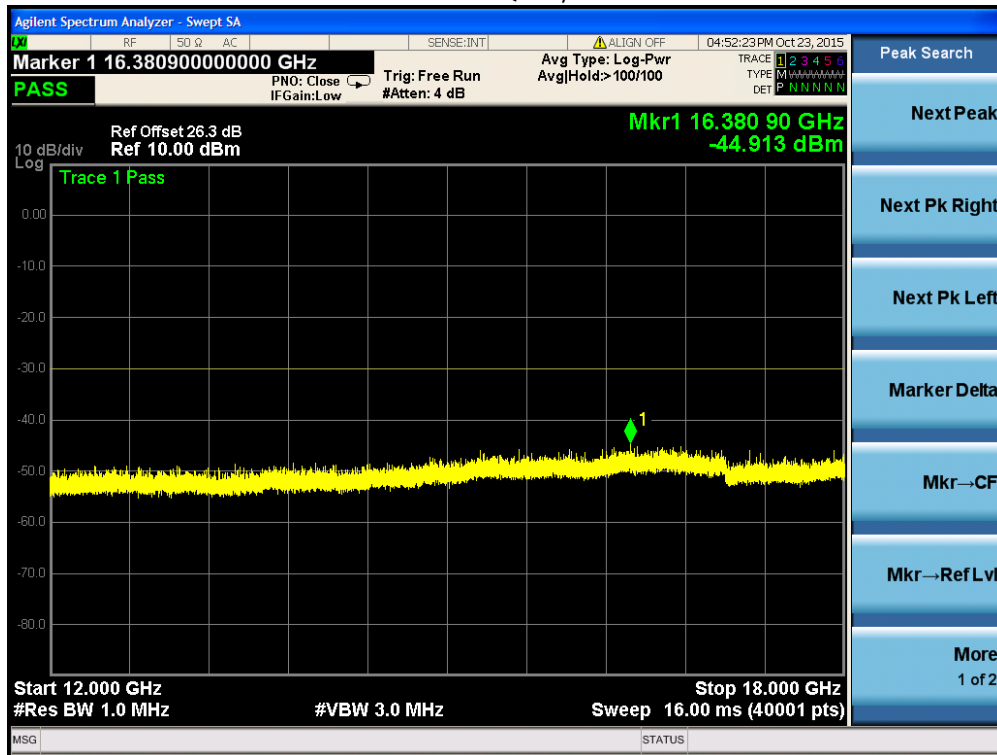
Channel Position M - QPSK / 1GHz – 5.15GHz



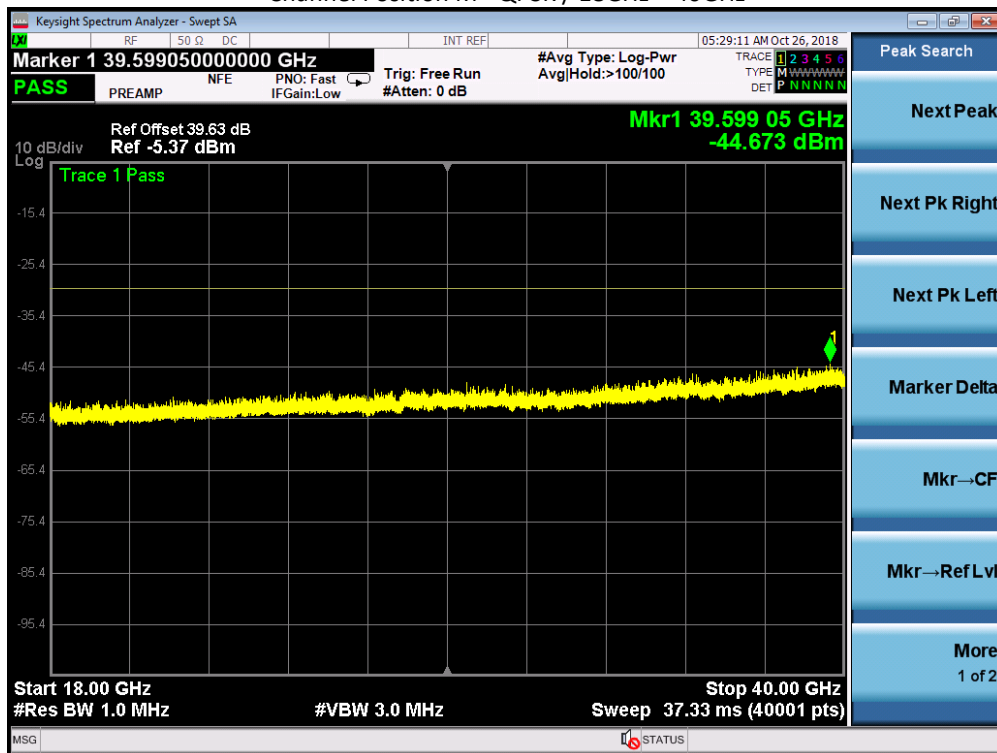
Channel Position M - QPSK / 5.35GHz – 12GHz



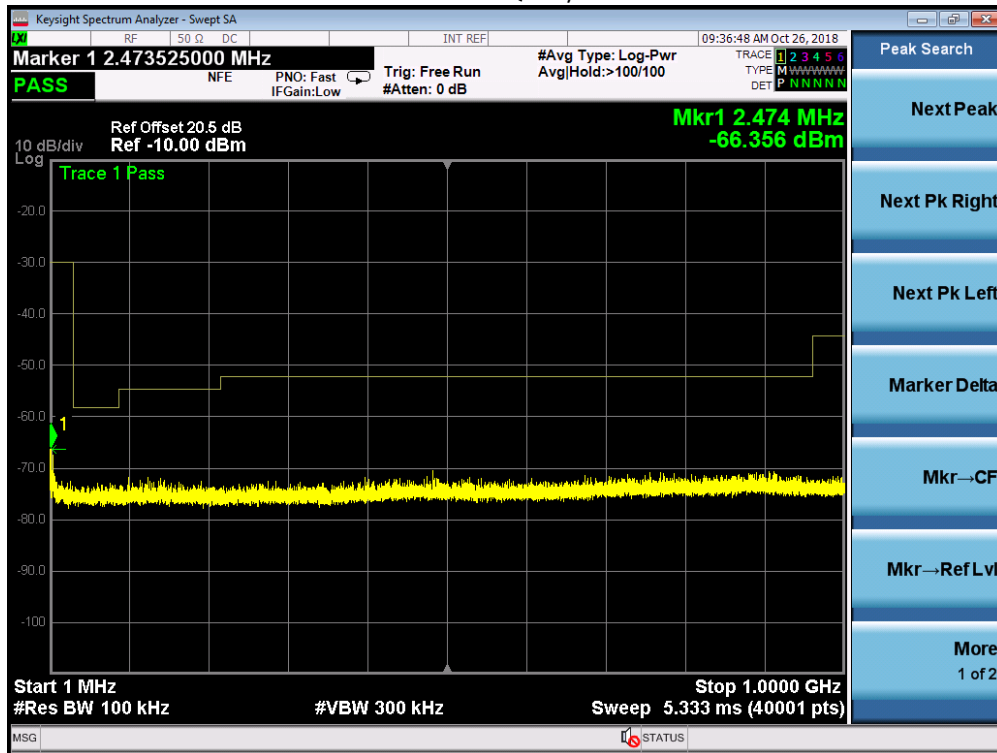
Channel Position M - QPSK / 12GHz – 18GHz



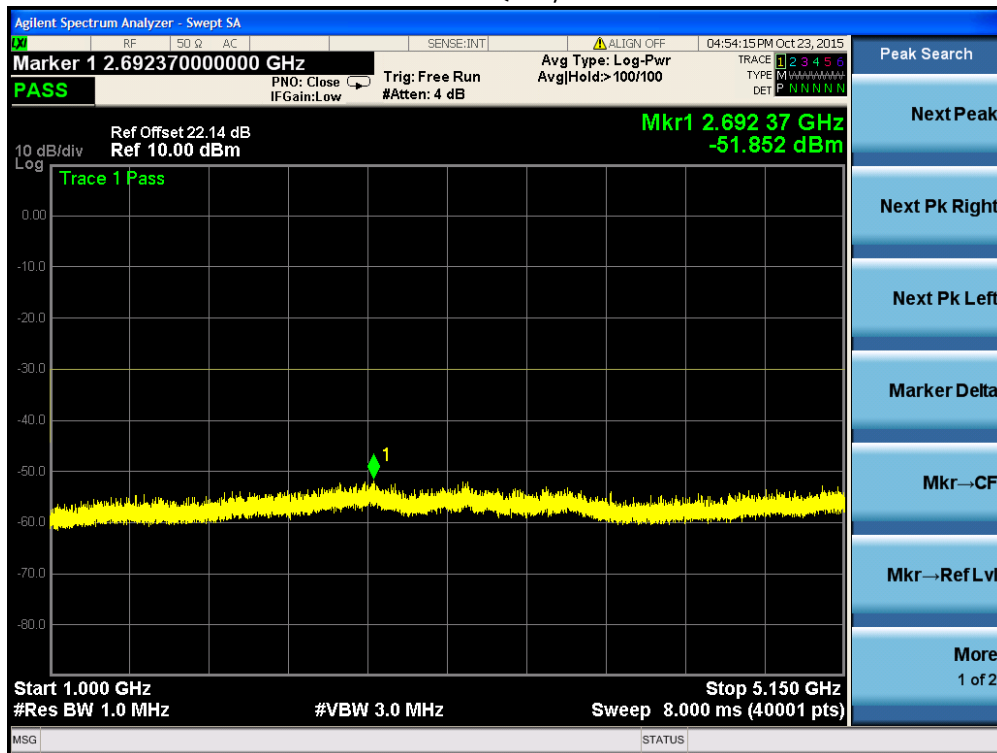
Channel Position M - QPSK / 18GHz – 40GHz



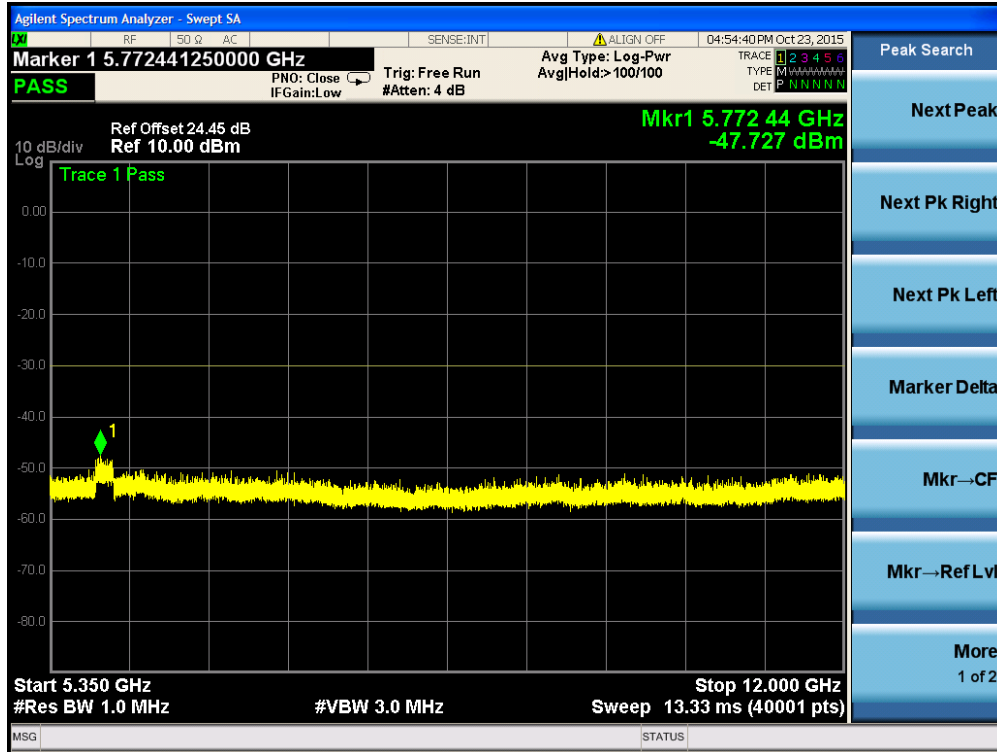
Channel Position T - QPSK / 1MHz - 1GHz



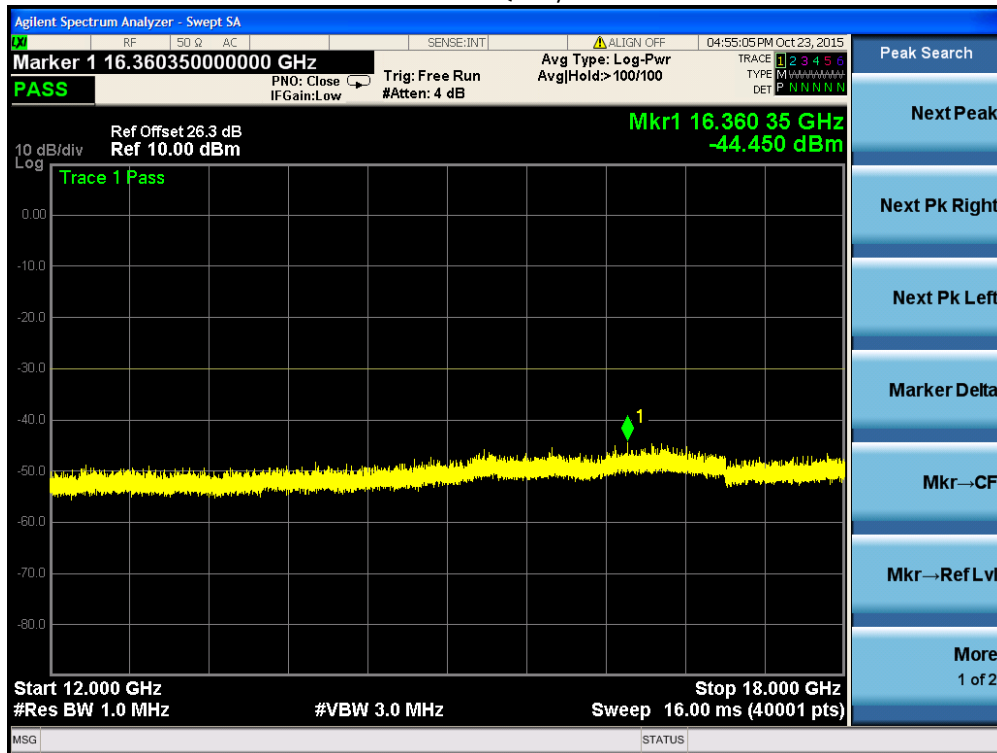
Channel Position T - QPSK / 1GHz - 5.15GHz



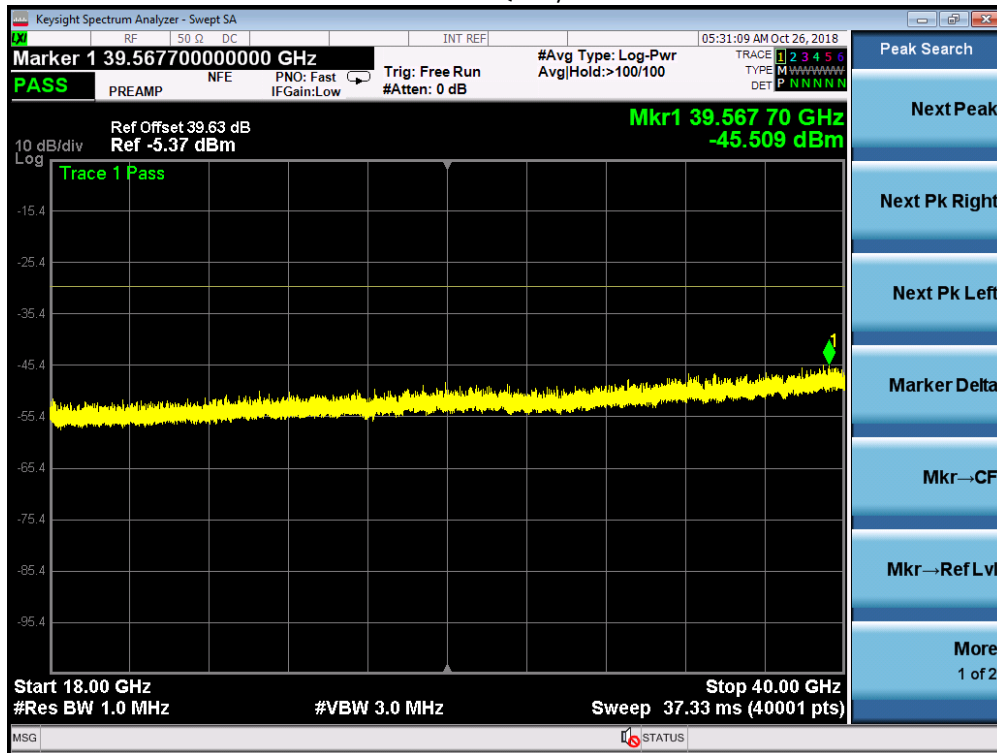
Channel Position T - QPSK / 5.35GHz – 12GHz



Channel Position T - QPSK / 12GHz – 18GHz



Channel Position T - QPSK / 18GHz – 40GHz

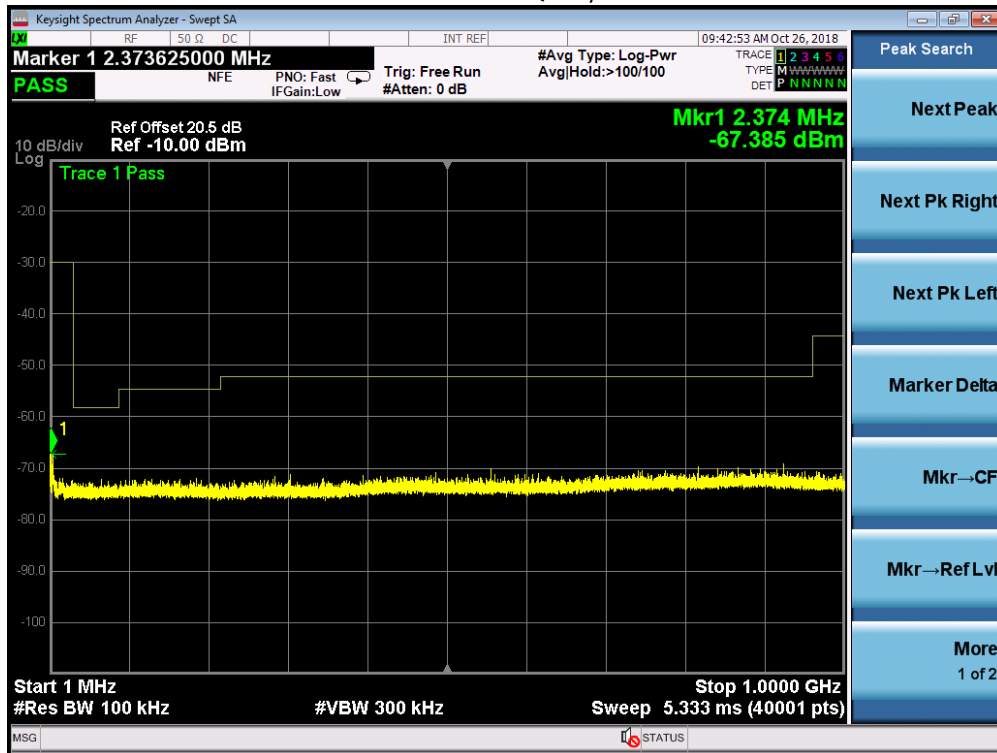


L-MIMO-MC 1 (2C)

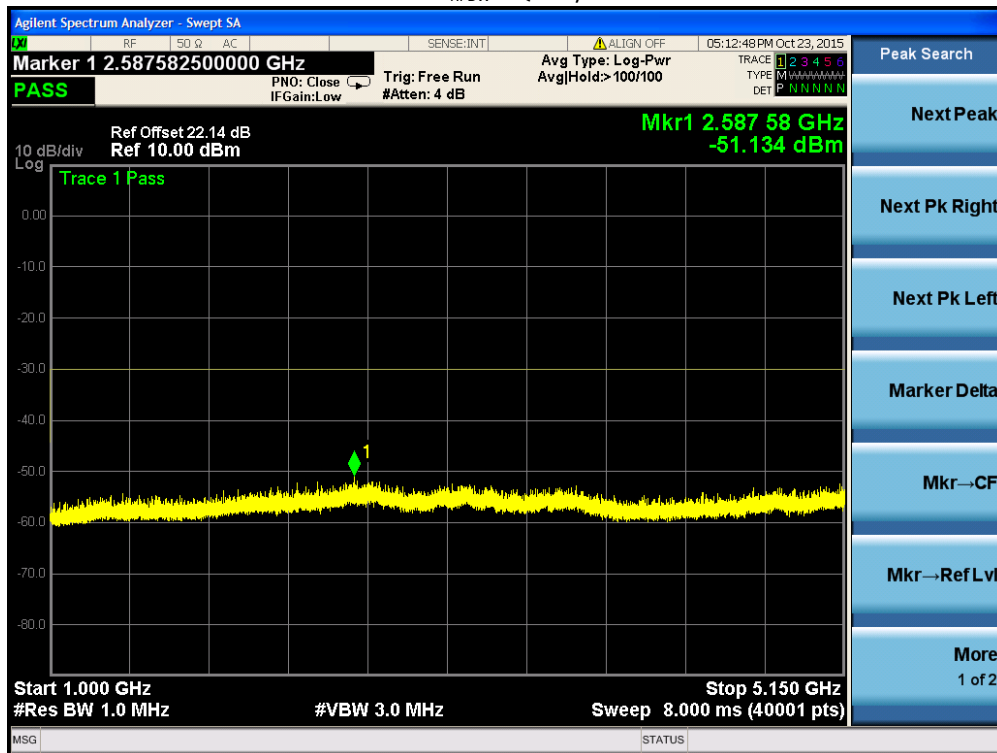
Maximum Output Power 18dBm per port:

Channel Position	Bandwidth (MHz)	Channel Frequency
B _{RFBW}	20.0 MHz	5260MHz + 5280MHz
M _{RFBW}	20.0 MHz	-
T _{RFBW}	20.0 MHz	5300MHz + 5320MHz

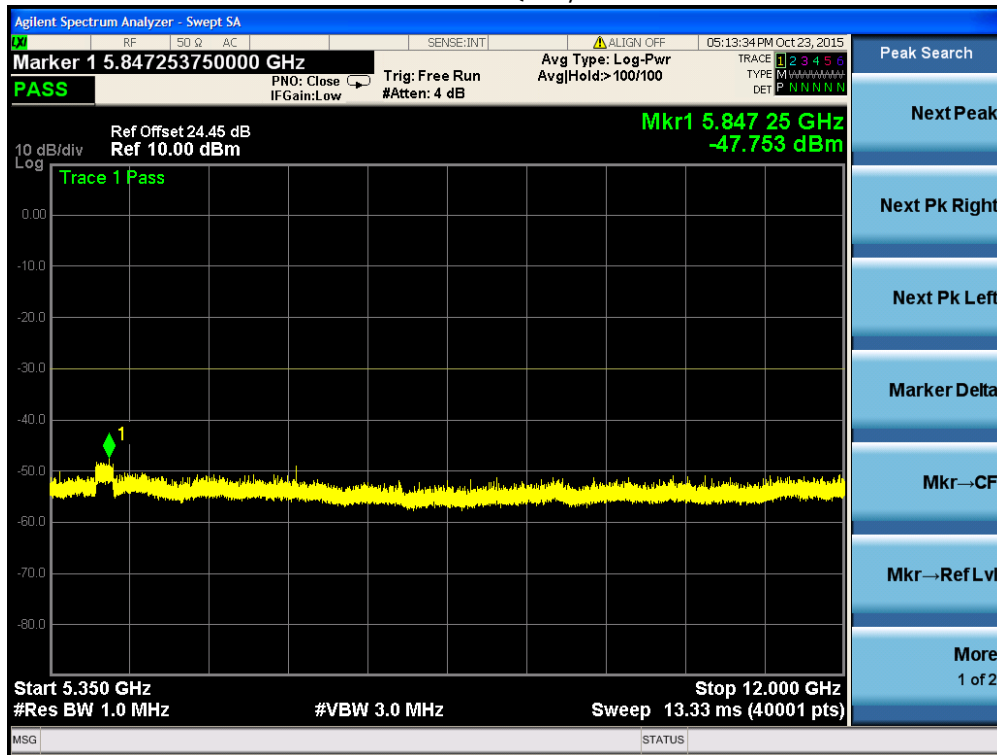
Channel Position B_{RFBW} - QPSK / 1MHz – 1GHz



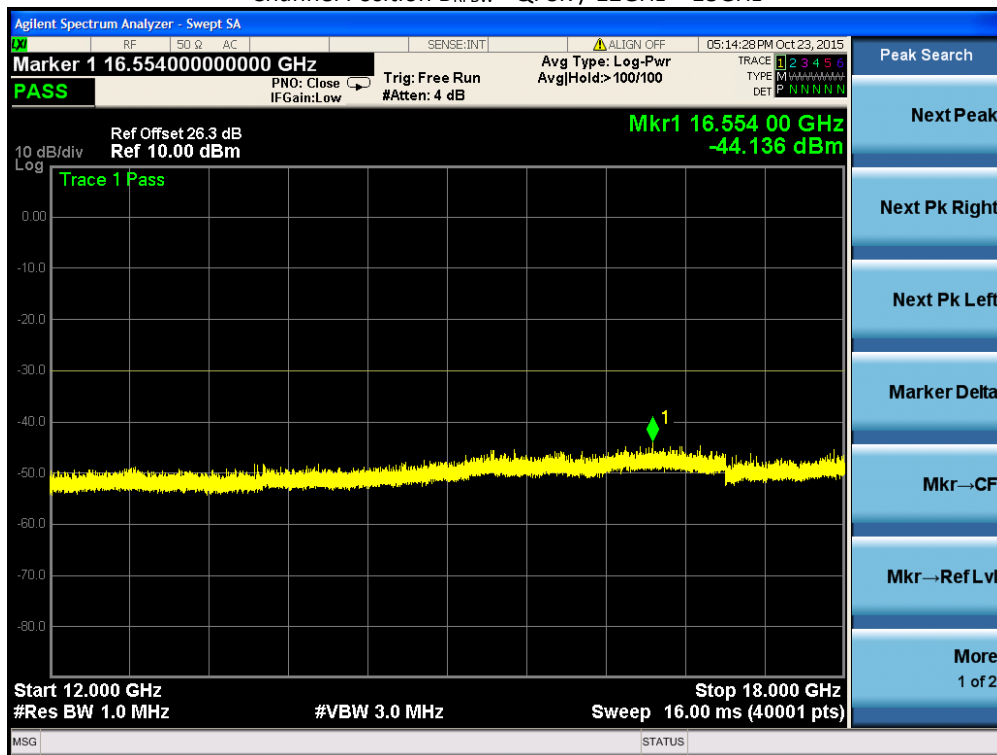
Channel Position B_{RFBW} - QPSK / 1GHz – 5.15GHz



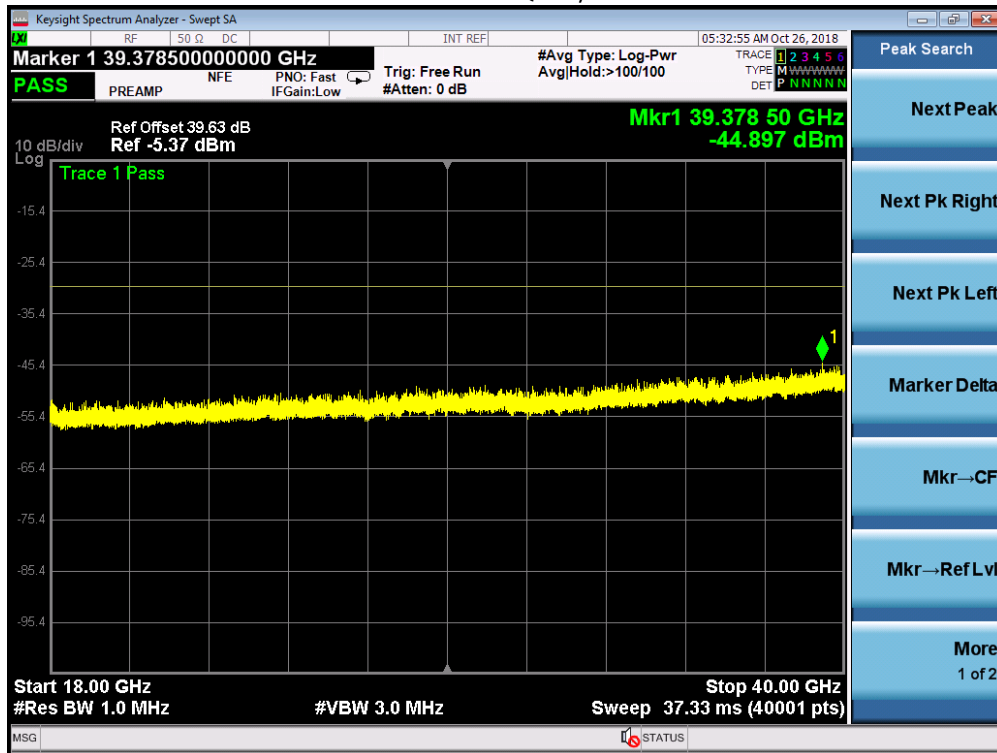
Channel Position B_{RFBW} - QPSK / 5.35GHz – 12GHz



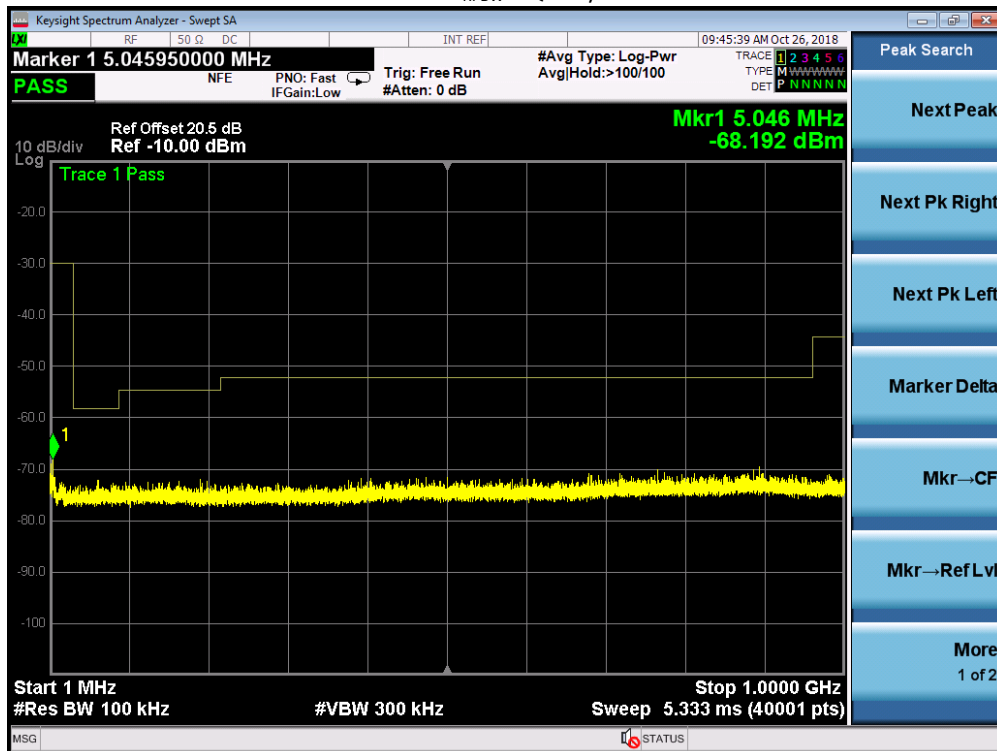
Channel Position B_{RFBW} - QPSK / 12GHz – 18GHz



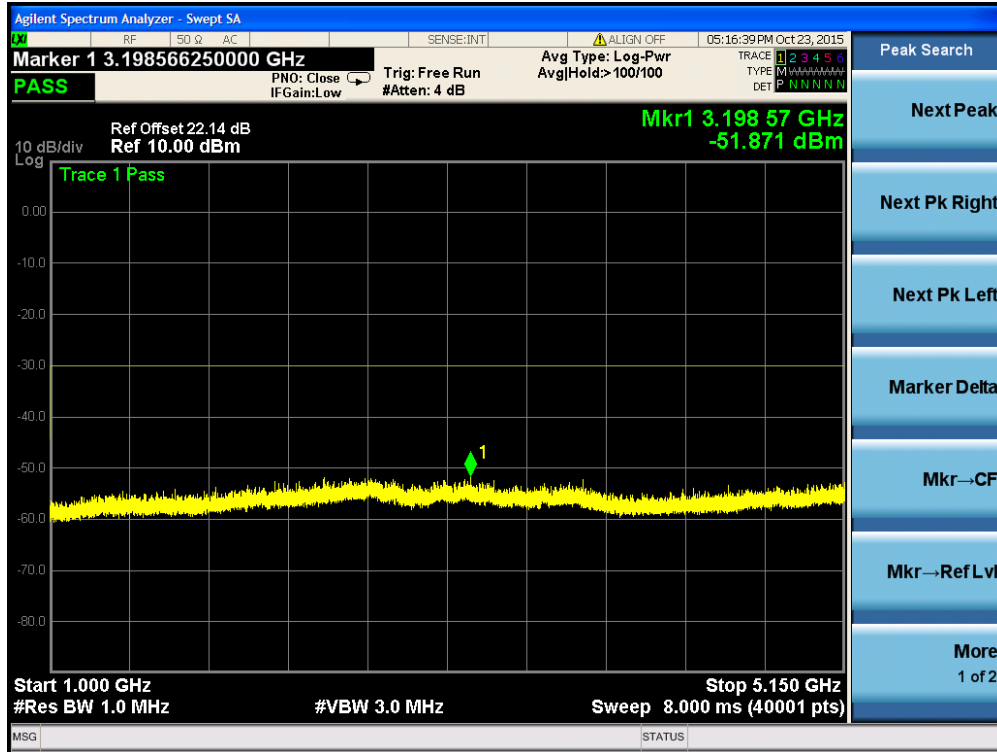
Channel Position B_{RFBW} - QPSK / 18GHz – 40GHz



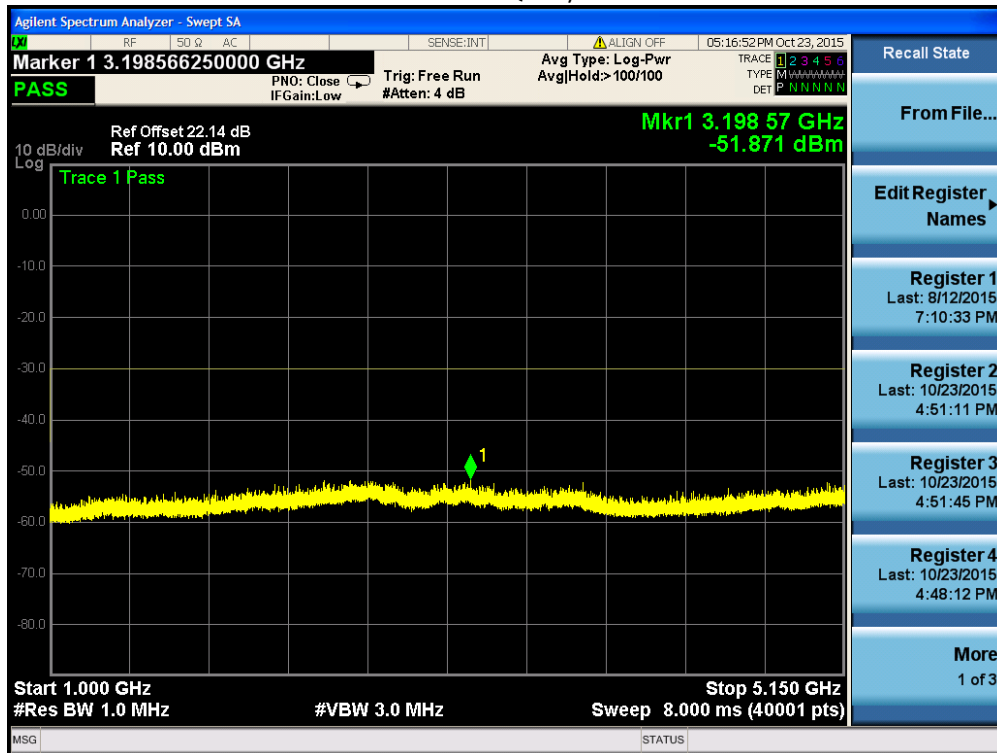
Channel Position T_{RFBW} - QPSK / 1MHz – 1GHz



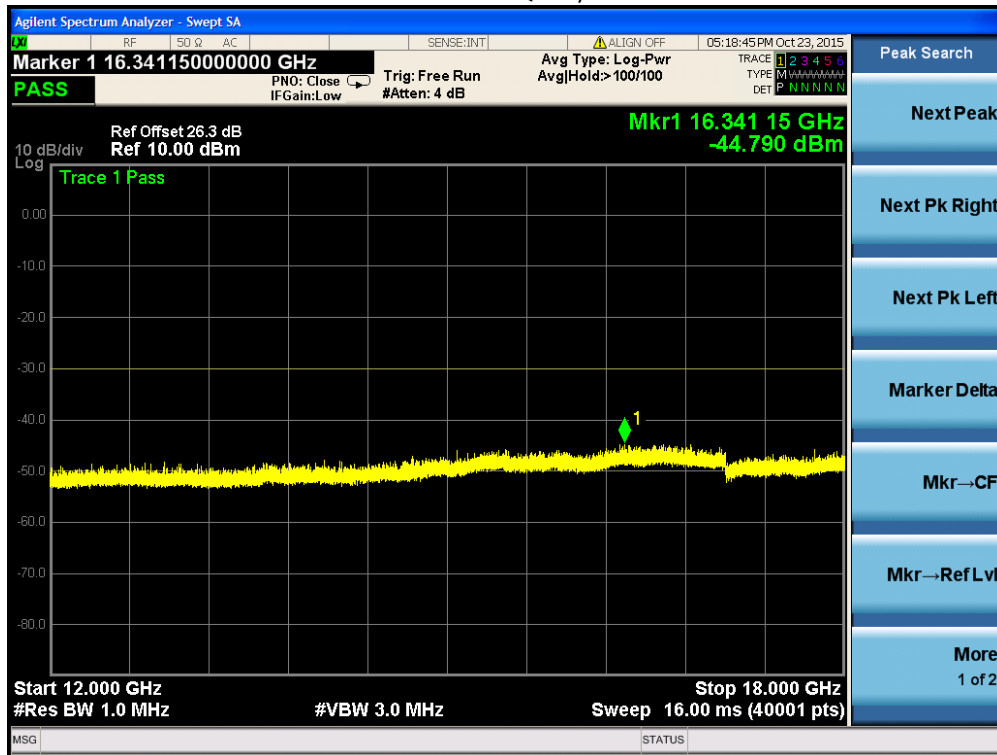
Channel Position T_{RFBW} - QPSK / 1GHz – 5.15GHz



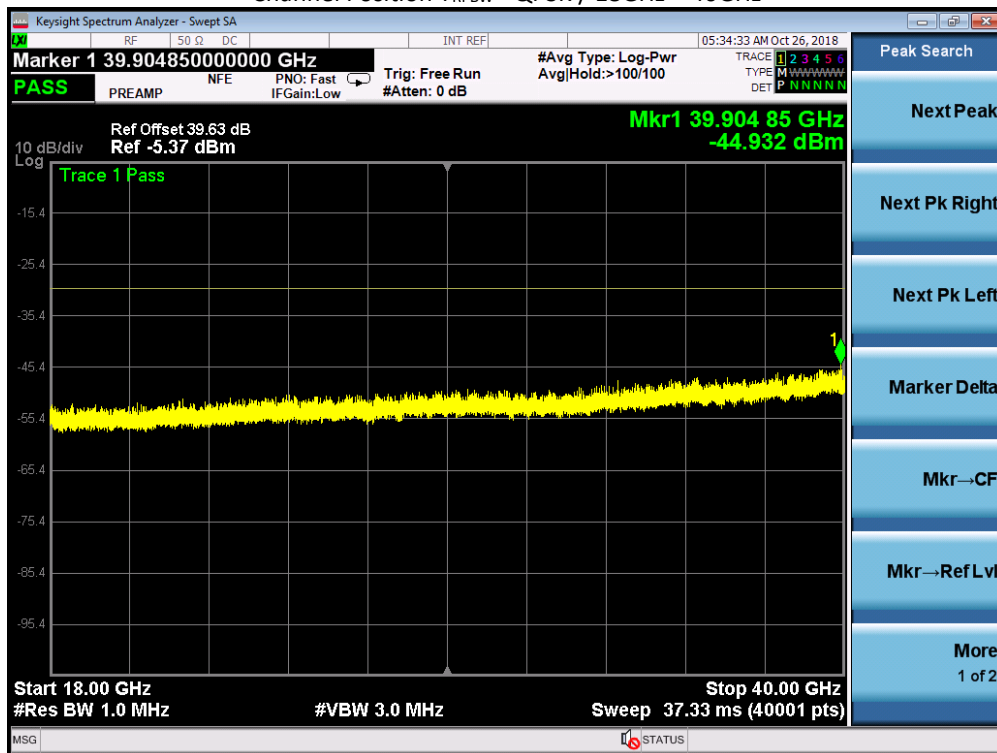
Channel Position T_{RFBW} - QPSK / 5.35GHz – 12GHz



Channel Position T_{RFBW} - QPSK / 12GHz – 18GHz



Channel Position T_{RFBW} - QPSK / 18GHz – 40GHz

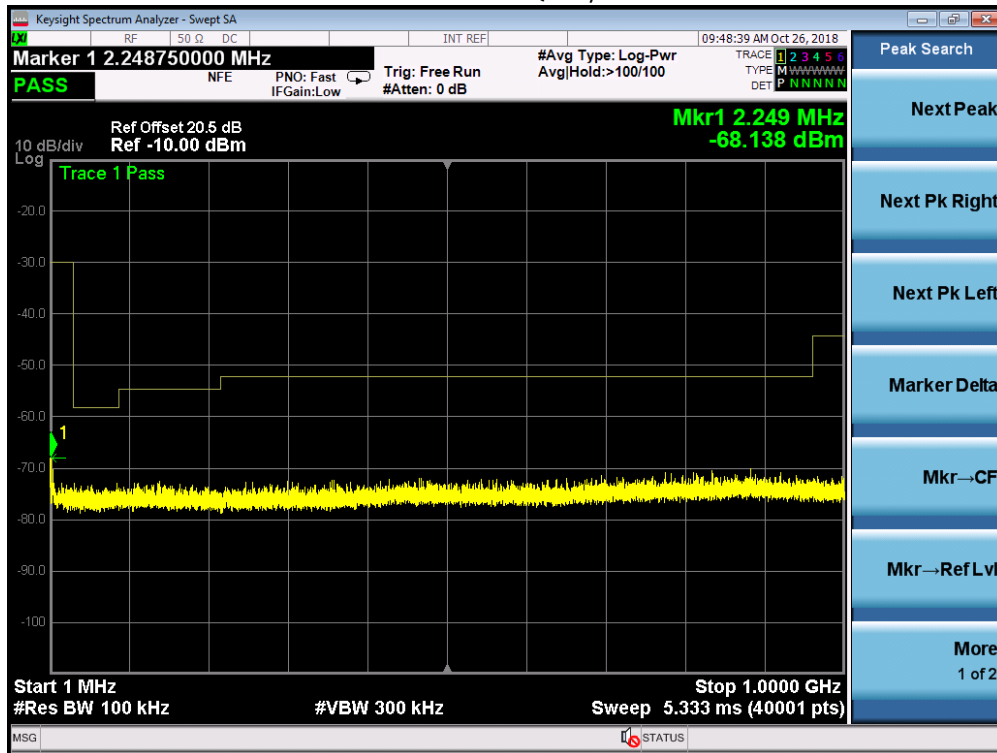


L-MIMO-MC 2 (3C)

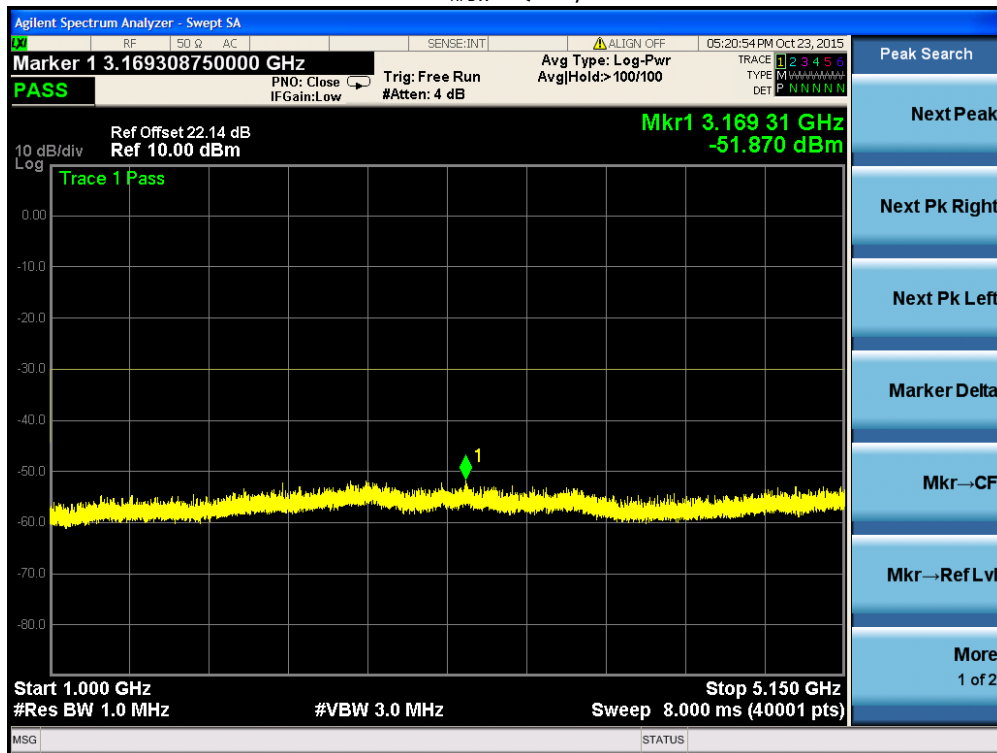
Maximum Output Power 18dBm per port:

Channel Position	Bandwidth (MHz)	Channel Frequency
B _{RFBW}	20.0 MHz	5260MHz + 5280MHz + 5300MHz
M _{RFBW}	20.0 MHz	-
T _{RFBW}	20.0 MHz	5280MHz + 5300MHz + 5320MHz

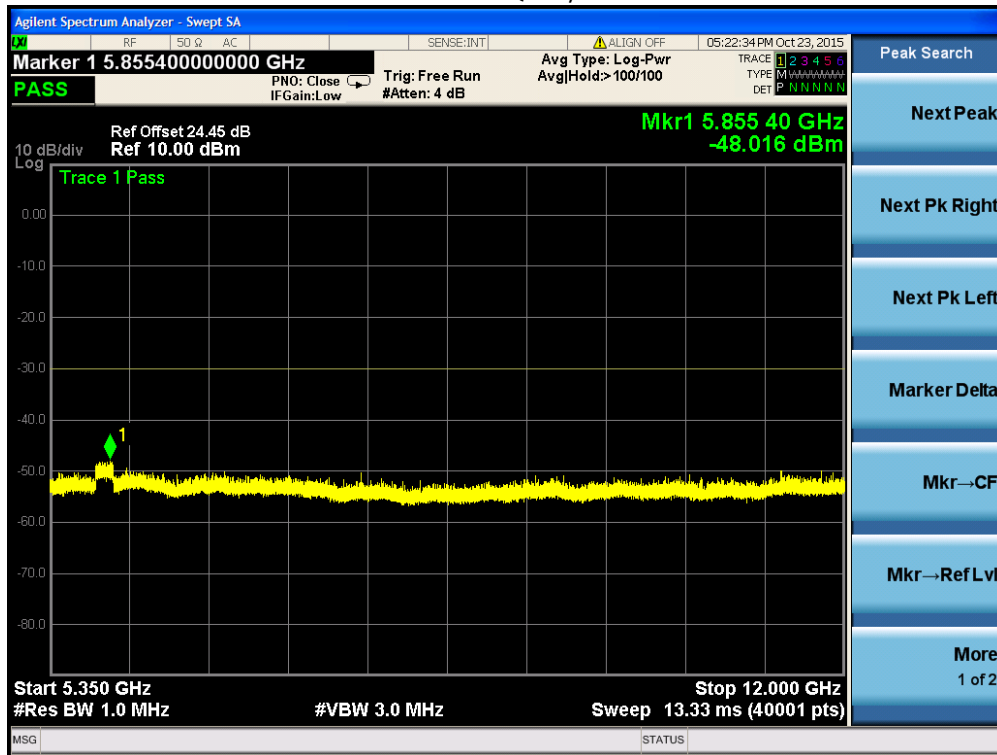
Channel Position B_{RFBW} - QPSK / 1MHz – 1GHz



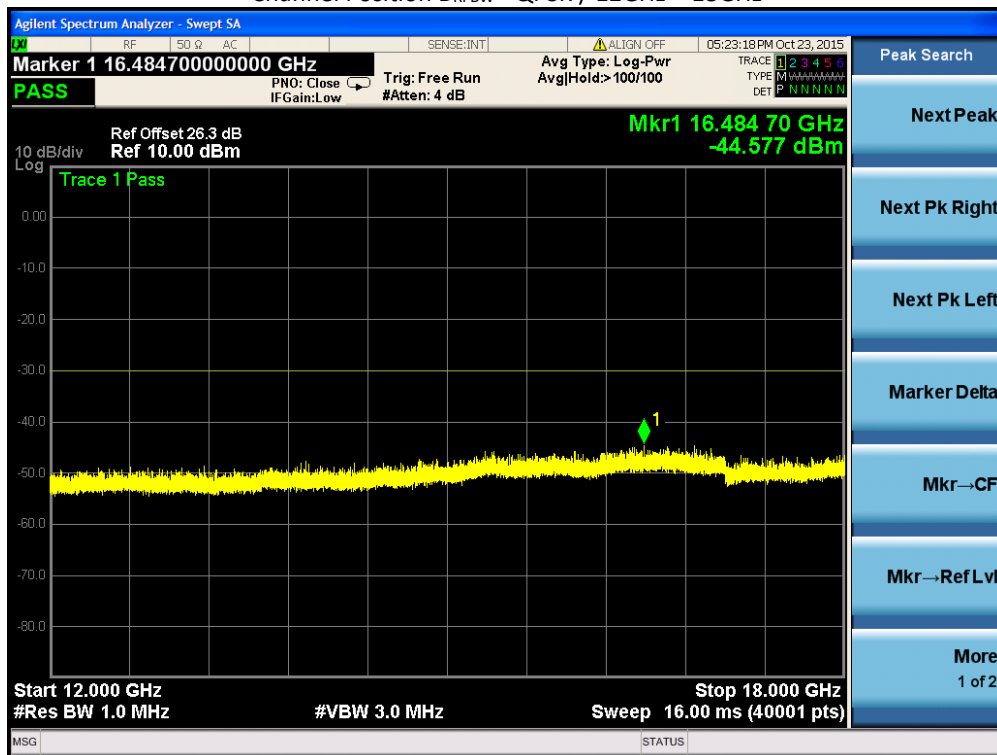
Channel Position B_{RFBW} - QPSK / 1GHz – 5.15GHz



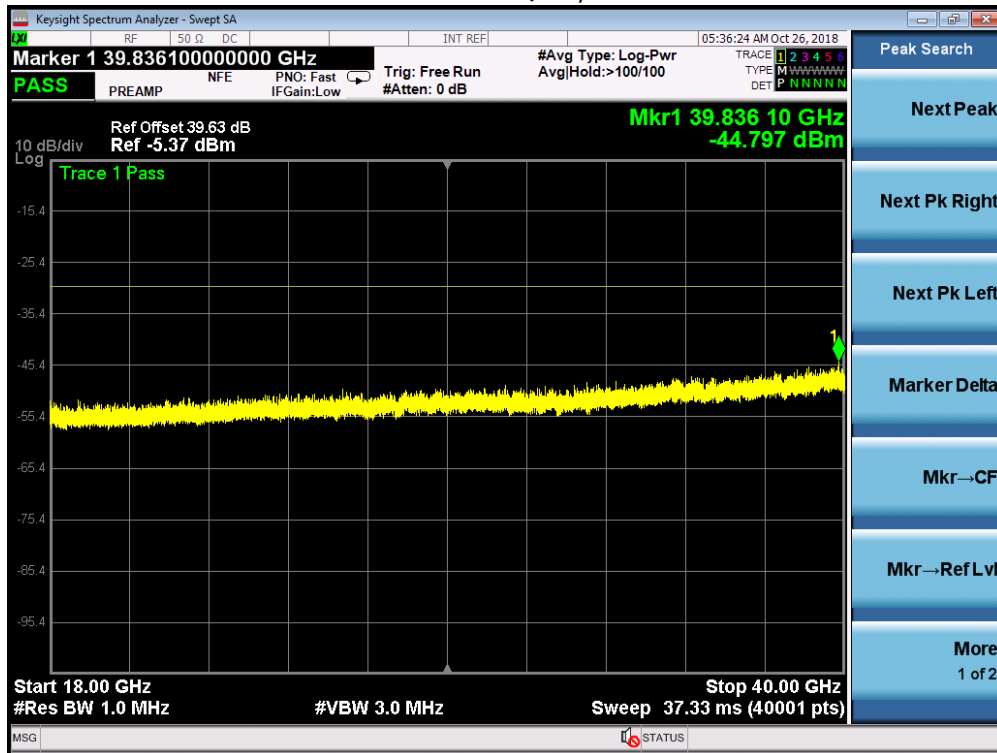
Channel Position B_{RFBW} - QPSK / 5.35GHz – 12GHz



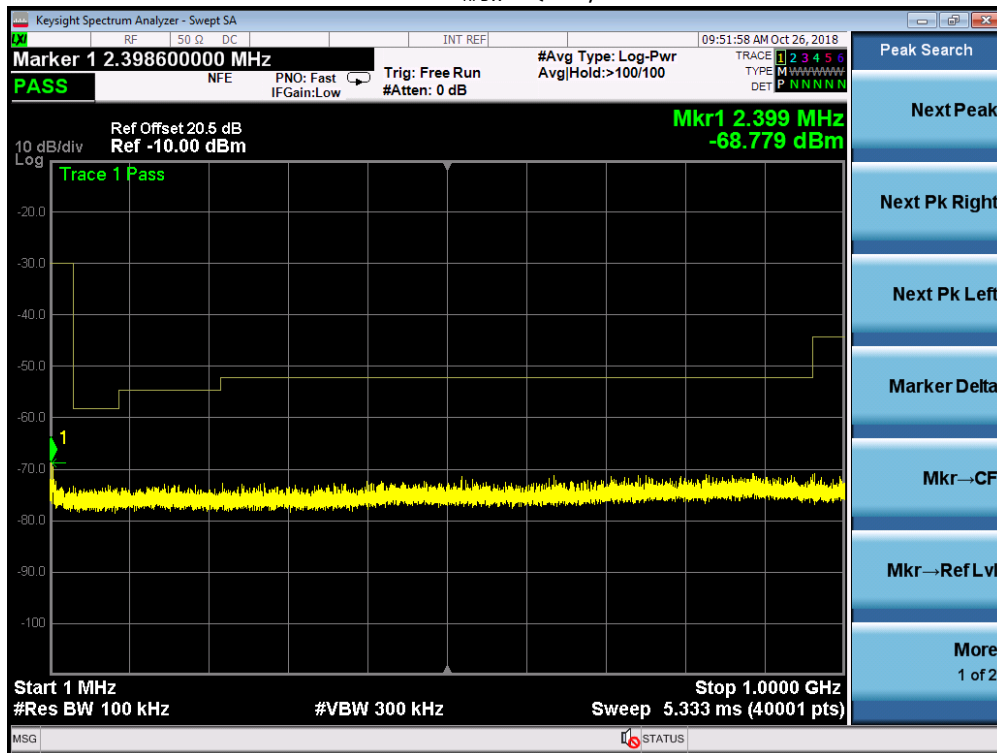
Channel Position B_{RFBW} - QPSK / 12GHz – 18GHz



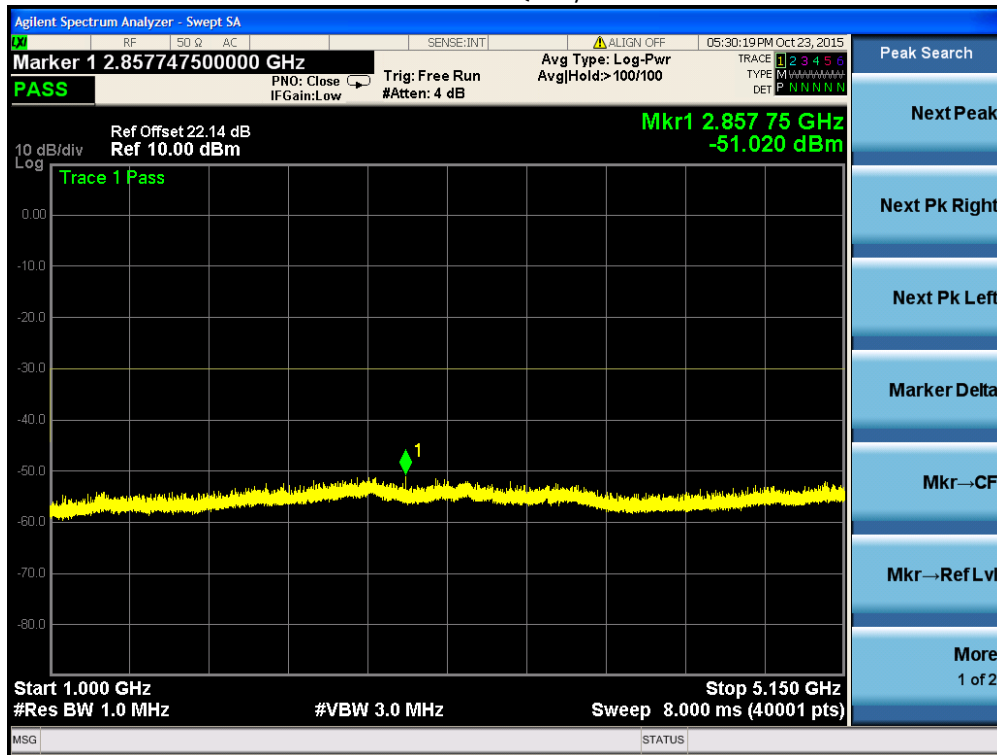
Channel Position B_{RFBW} - QPSK / 18GHz – 40GHz



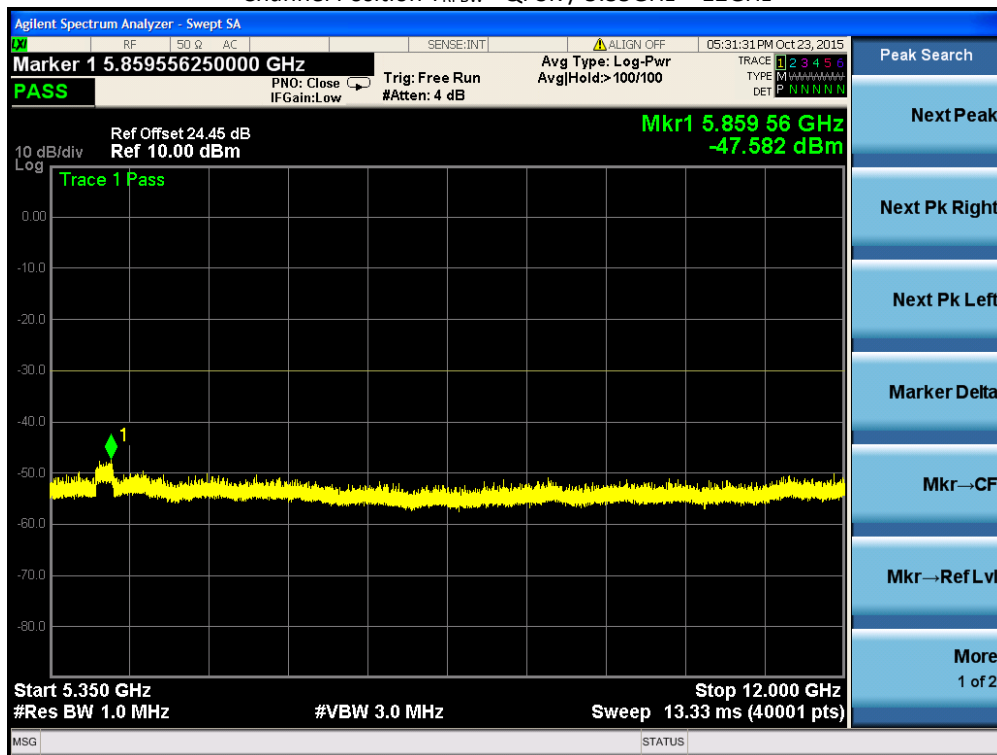
Channel Position T_{RFBW} - QPSK / 1MHz – 1GHz



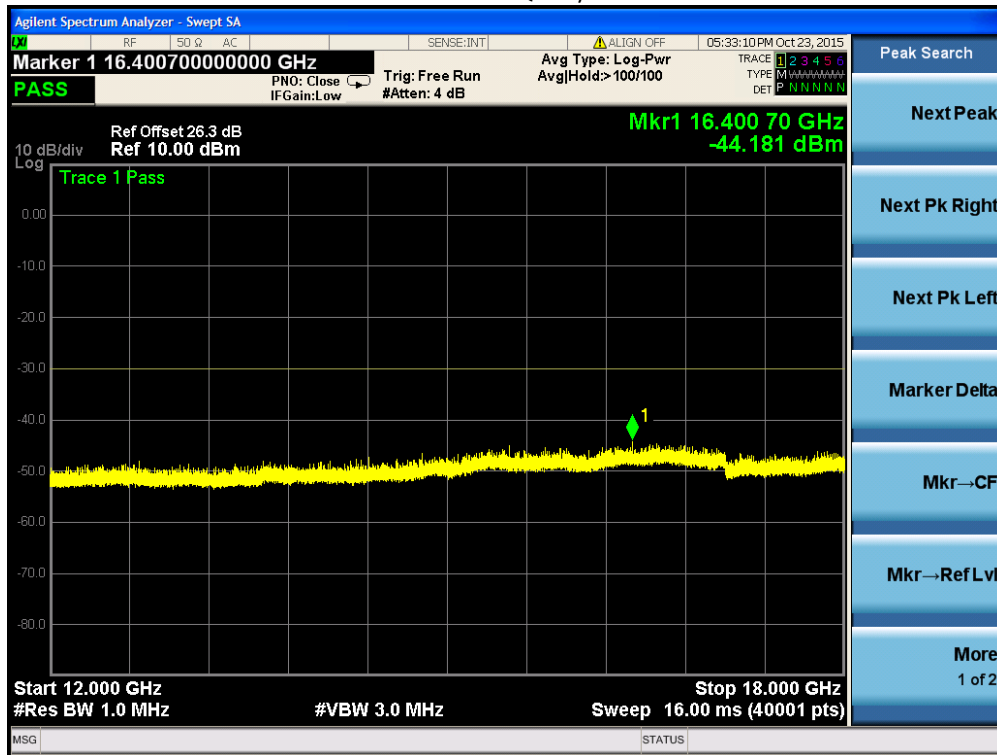
Channel Position T_{RFBW} - QPSK / 1GHz – 5.15GHz



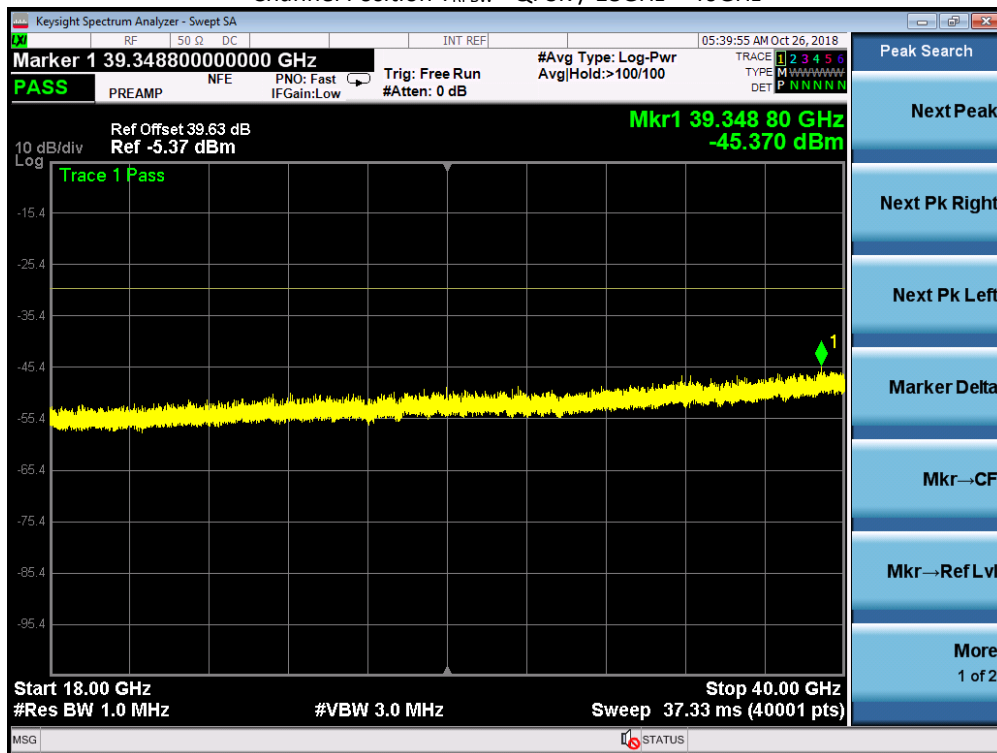
Channel Position T_{RFBW} - QPSK / 5.35GHz – 12GHz



Channel Position T_{RFBW} - QPSK / 12GHz – 18GHz



Channel Position T_{RFBW} - QPSK / 18GHz – 40GHz



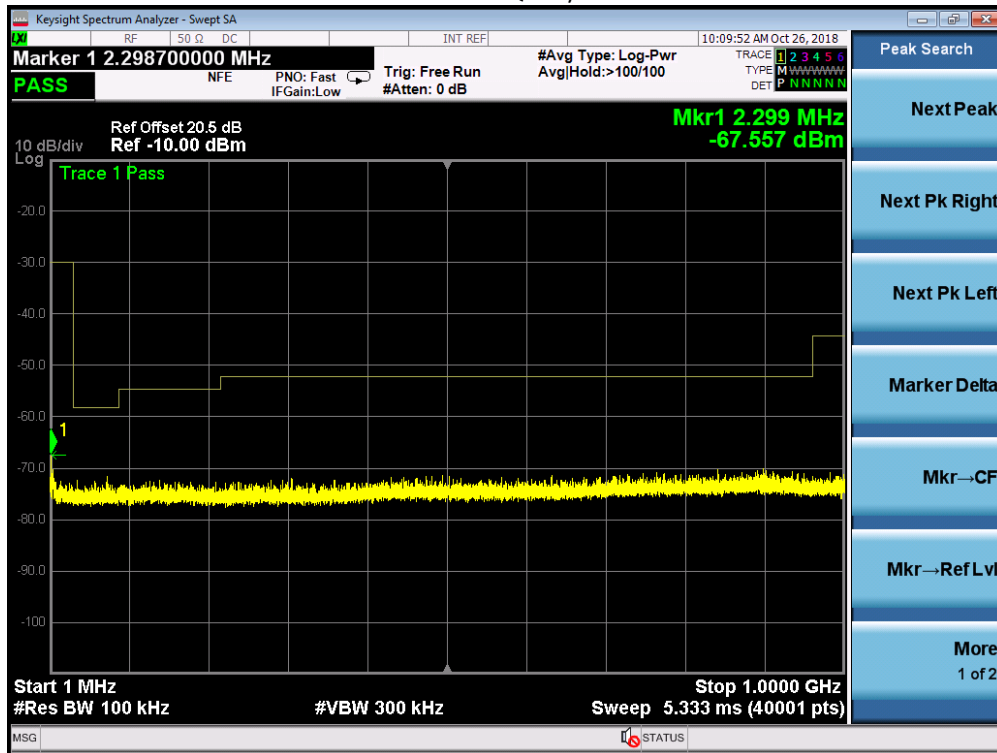
Configuration A2

L-MIMO-SC

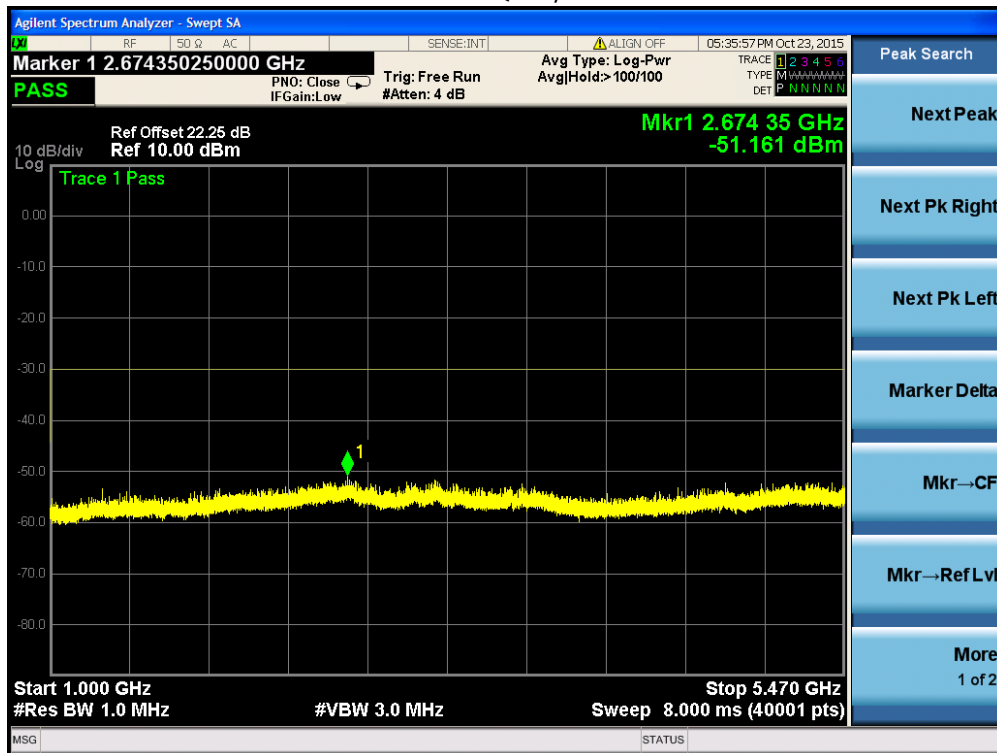
Maximum Output Power 18dBm per port:

Channel Position	Bandwidth (MHz)	Channel Frequency
B	20.0 MHz	5500MHz
M (for IC)	20.0 MHz	5580MHz
M (for FCC)	20.0 MHz	5600MHz
T	20.0 MHz	5700MHz

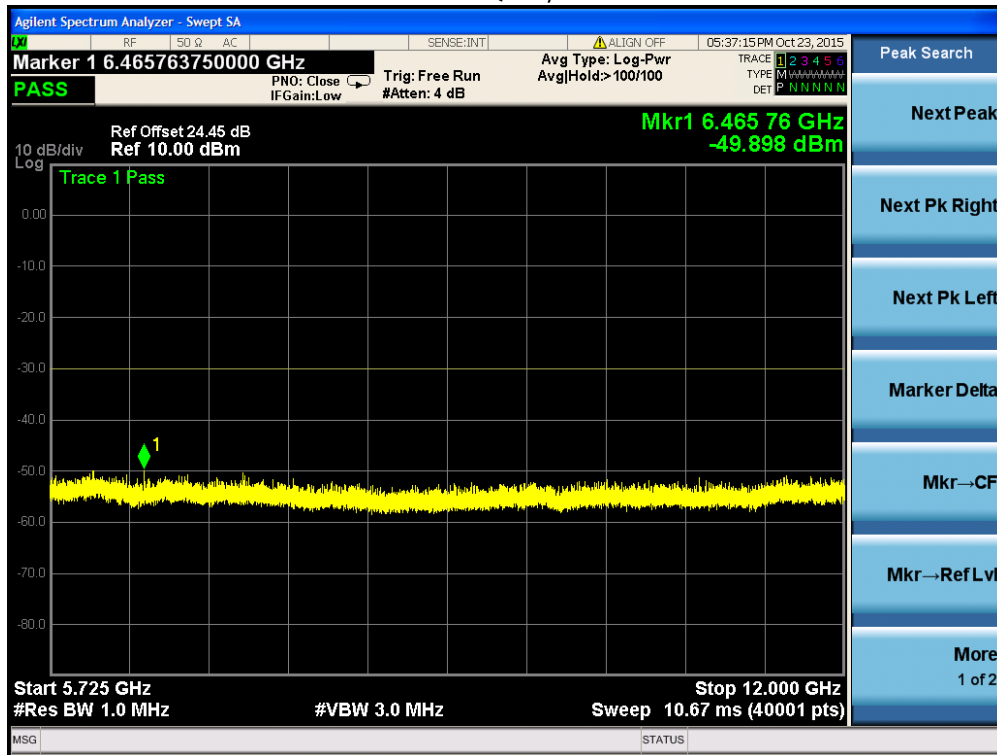
Channel Position B - QPSK / 1MHz – 1GHz



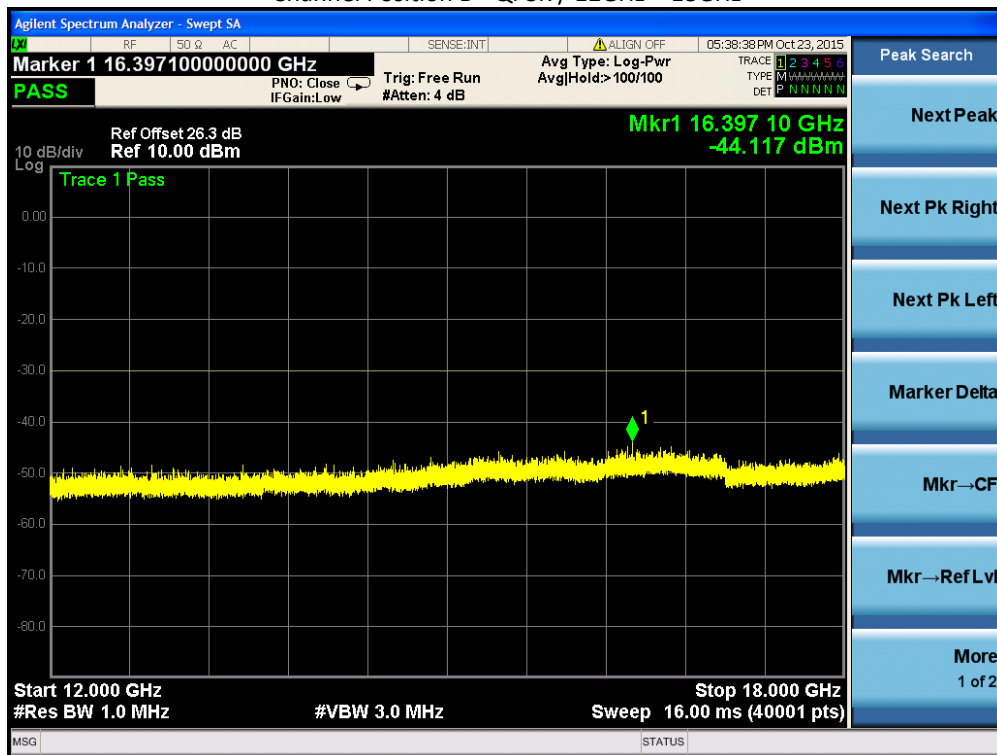
Channel Position B - QPSK / 1GHz – 5.15GHz



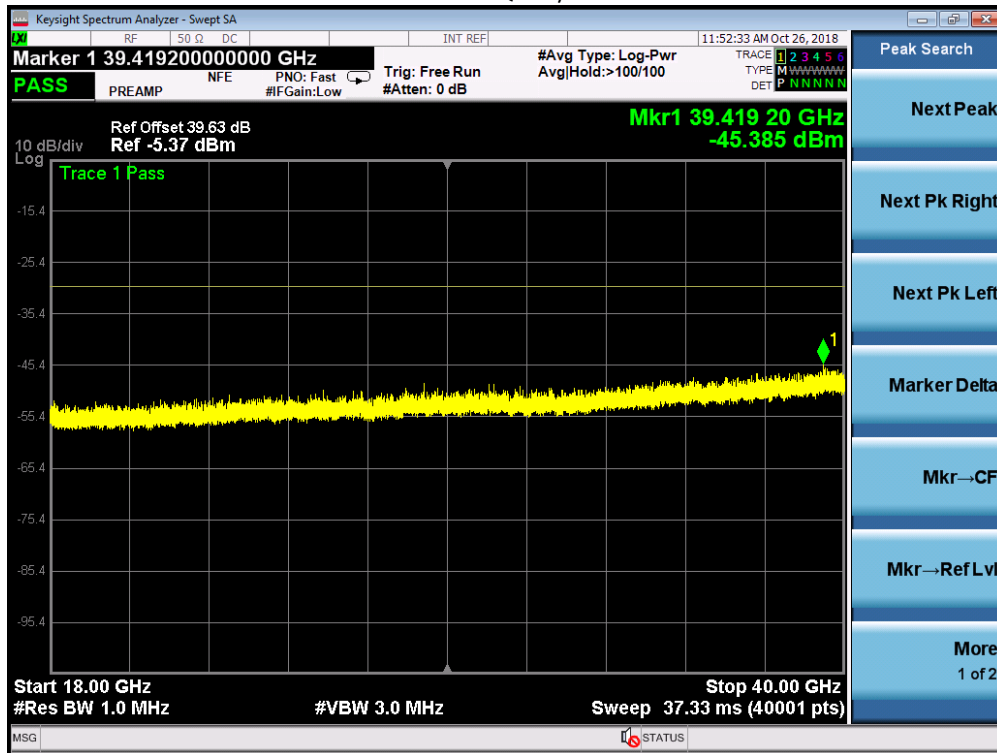
Channel Position B - QPSK / 5.35GHz – 12GHz



Channel Position B - QPSK / 12GHz – 18GHz



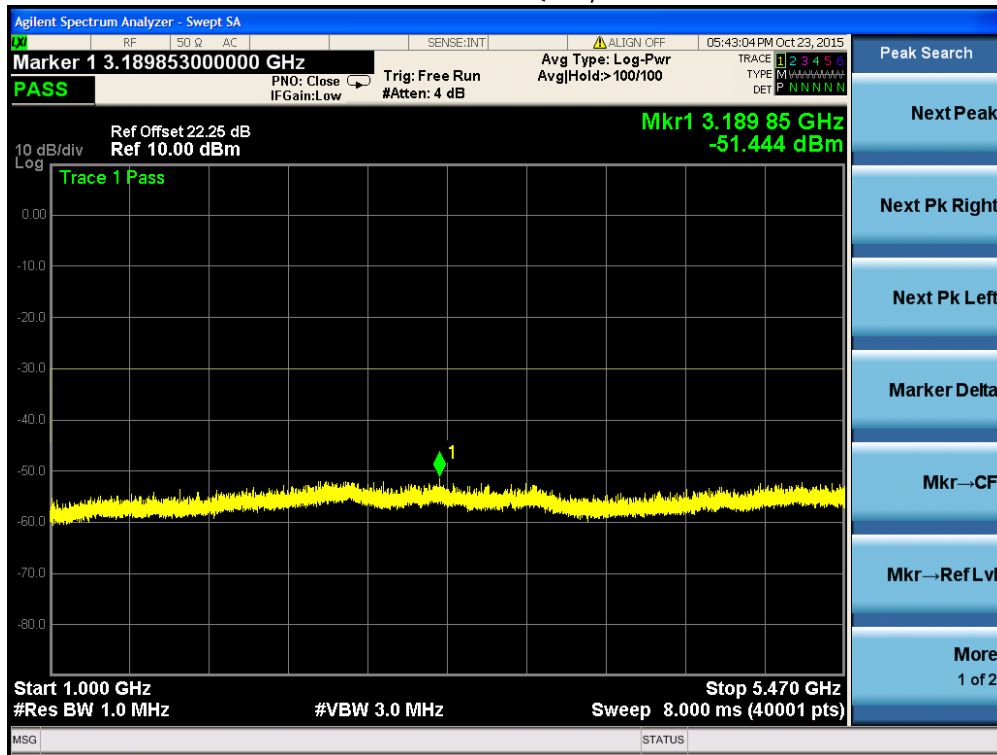
Channel Position B - QPSK / 18GHz – 40GHz



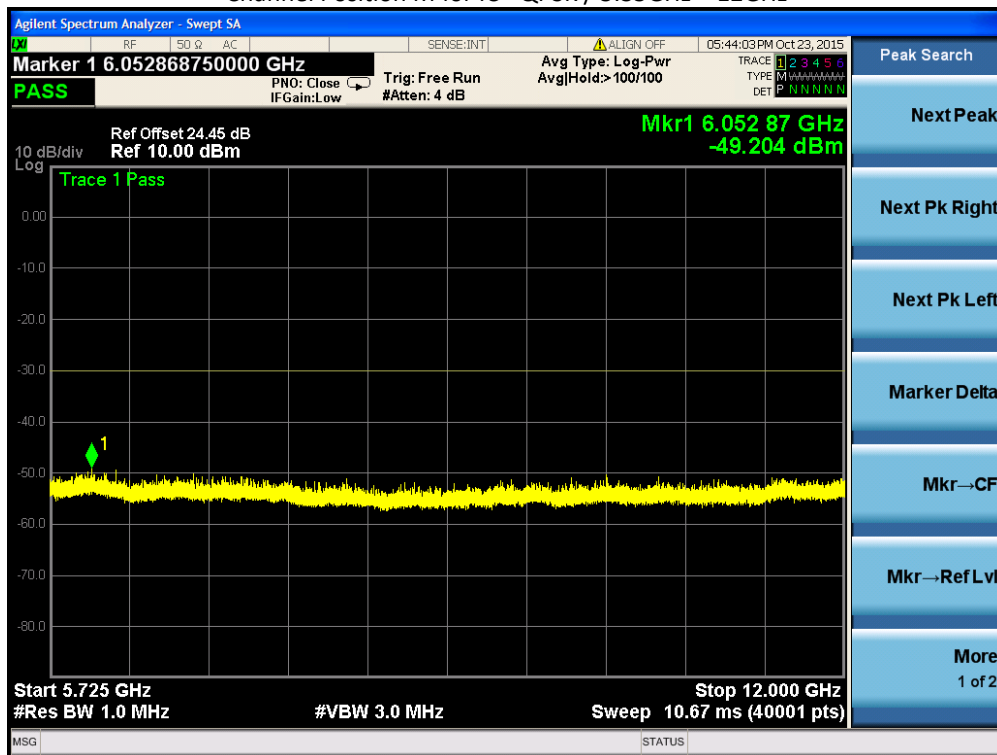
Channel Position M for IC - QPSK / 1MHz – 1GHz



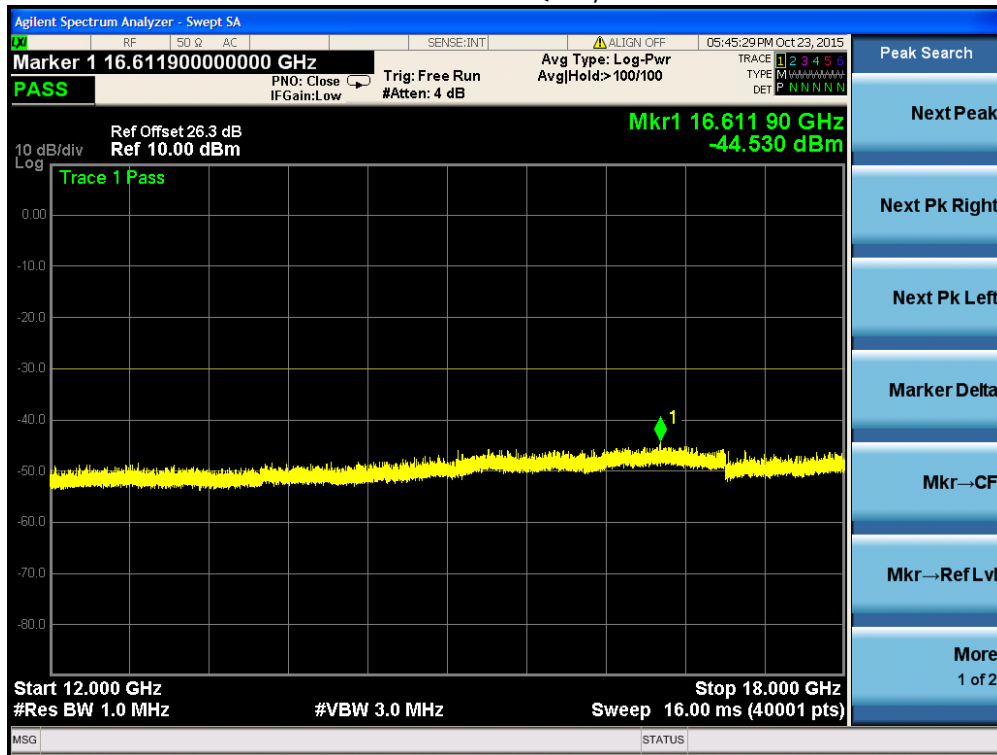
Channel Position M for IC - QPSK / 1GHz – 5.15GHz



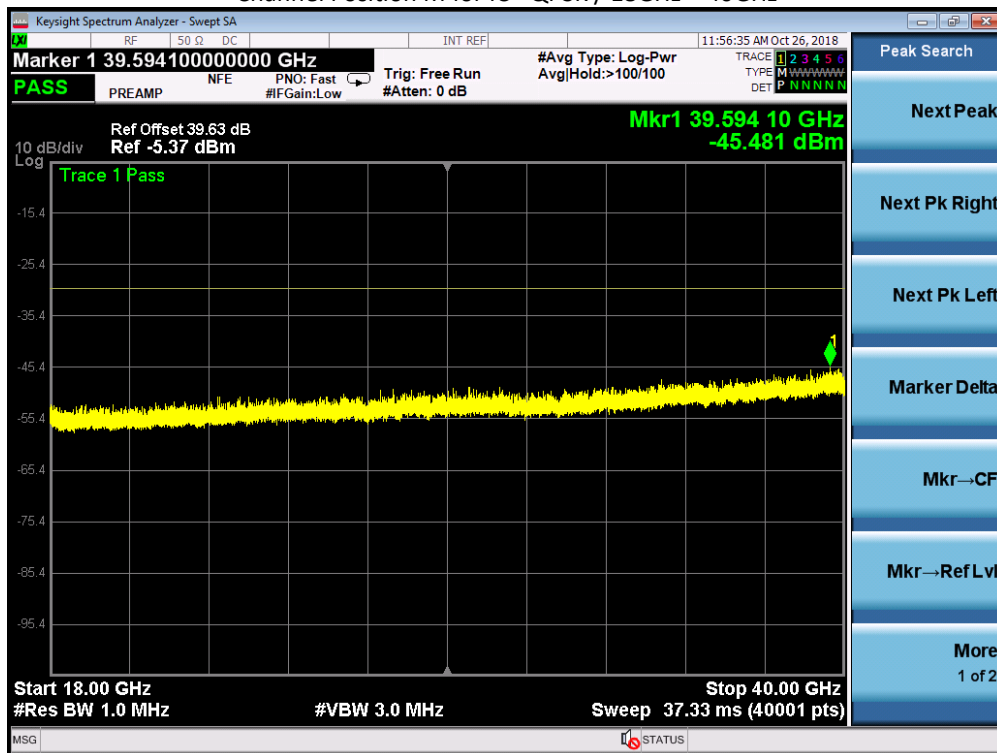
Channel Position M for IC - QPSK / 5.35GHz – 12GHz



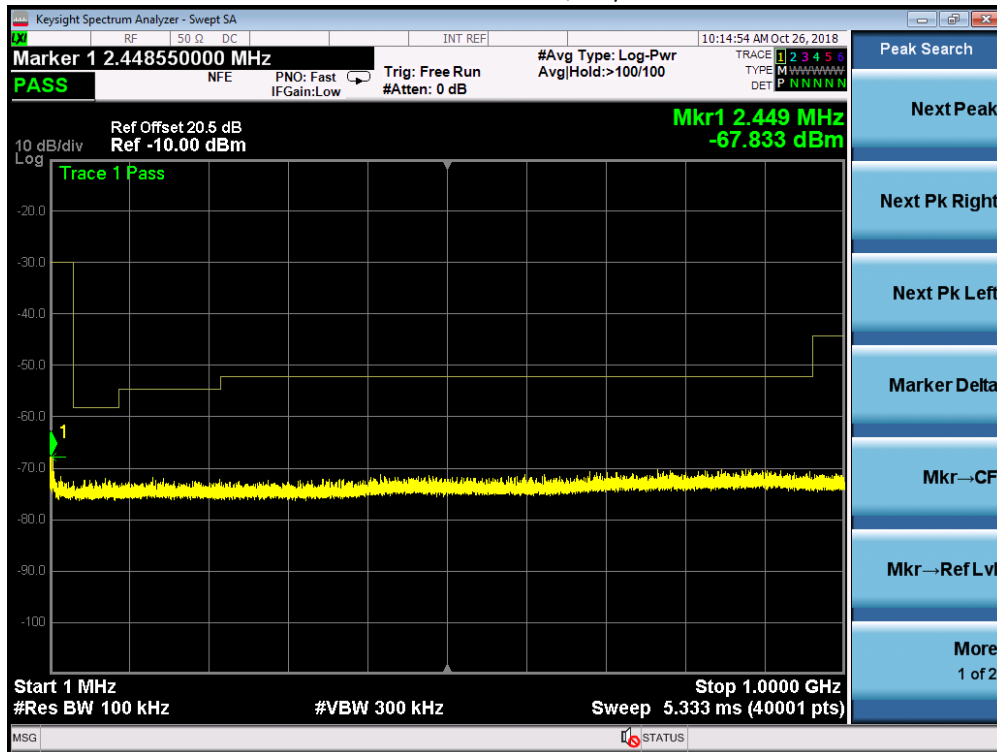
Channel Position M for IC - QPSK / 12GHz – 18GHz



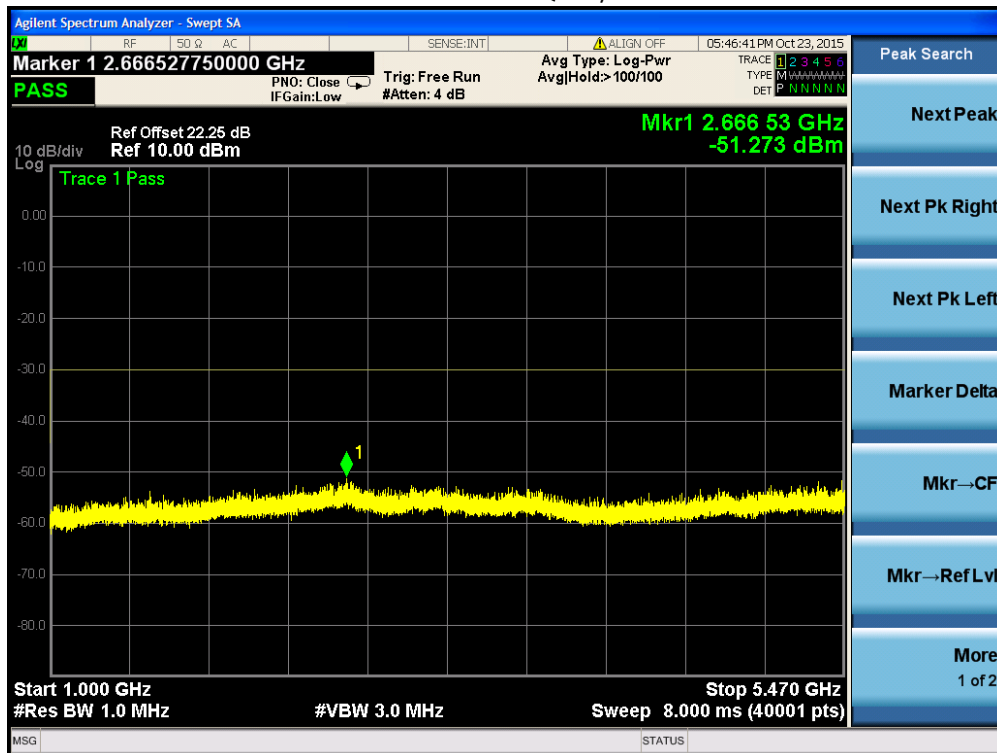
Channel Position M for IC - QPSK / 18GHz – 40GHz



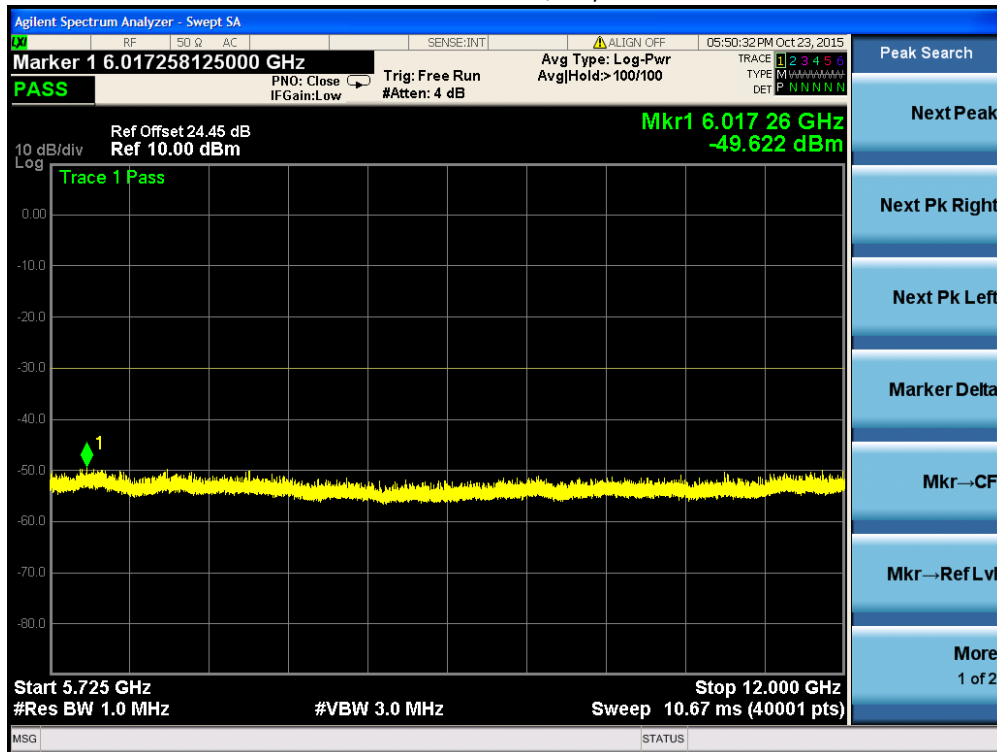
Channel Position M for FCC - QPSK / 1MHz – 1GHz



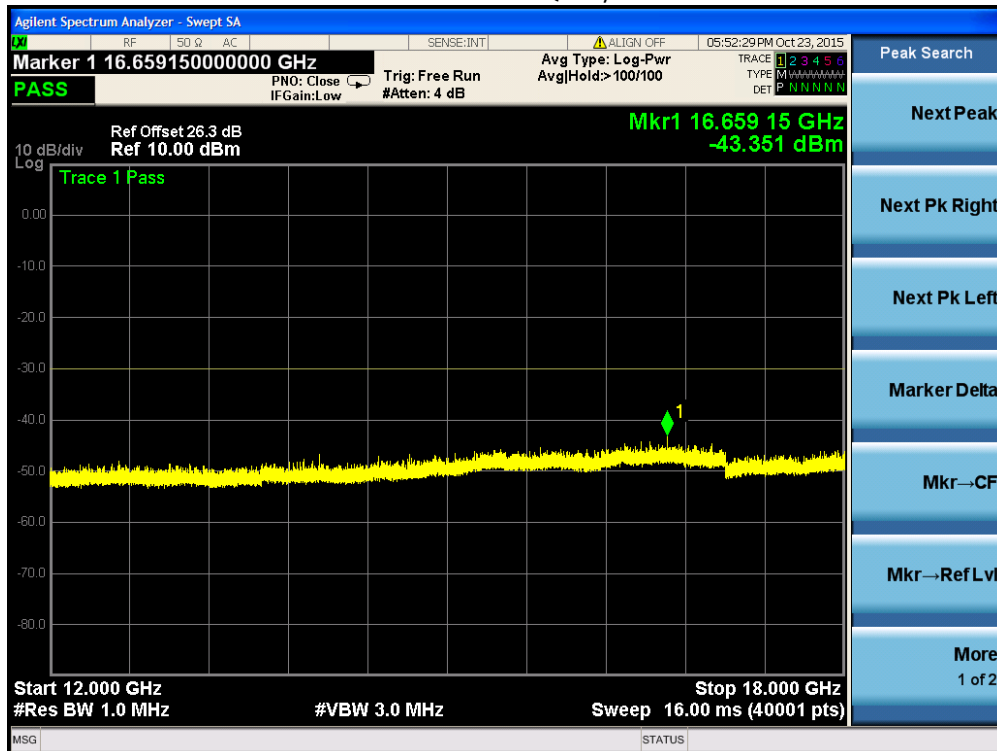
Channel Position M for FCC - QPSK / 1GHz – 5.15GHz



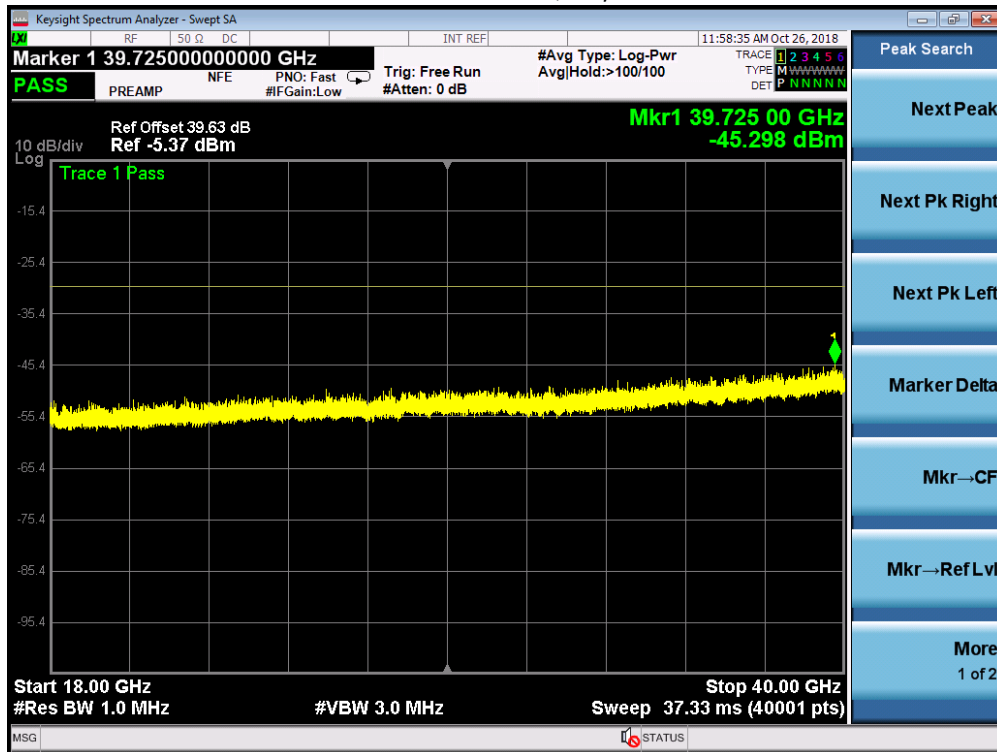
Channel Position M for FCC - QPSK / 5.35GHz – 12GHz



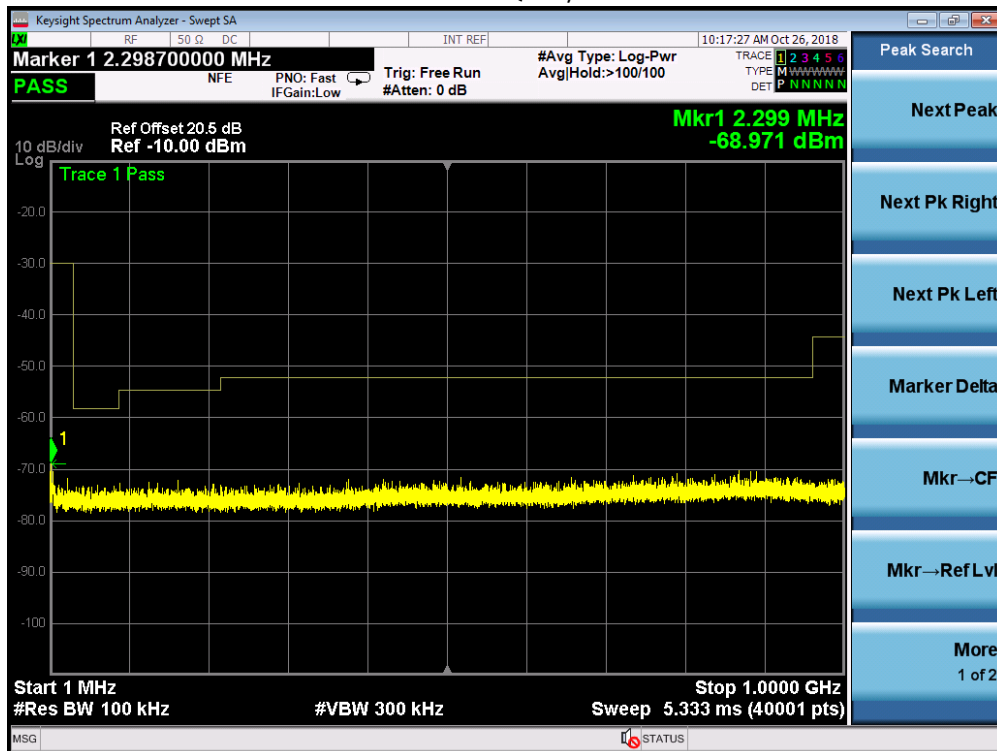
Channel Position M for FCC - QPSK / 12GHz – 18GHz



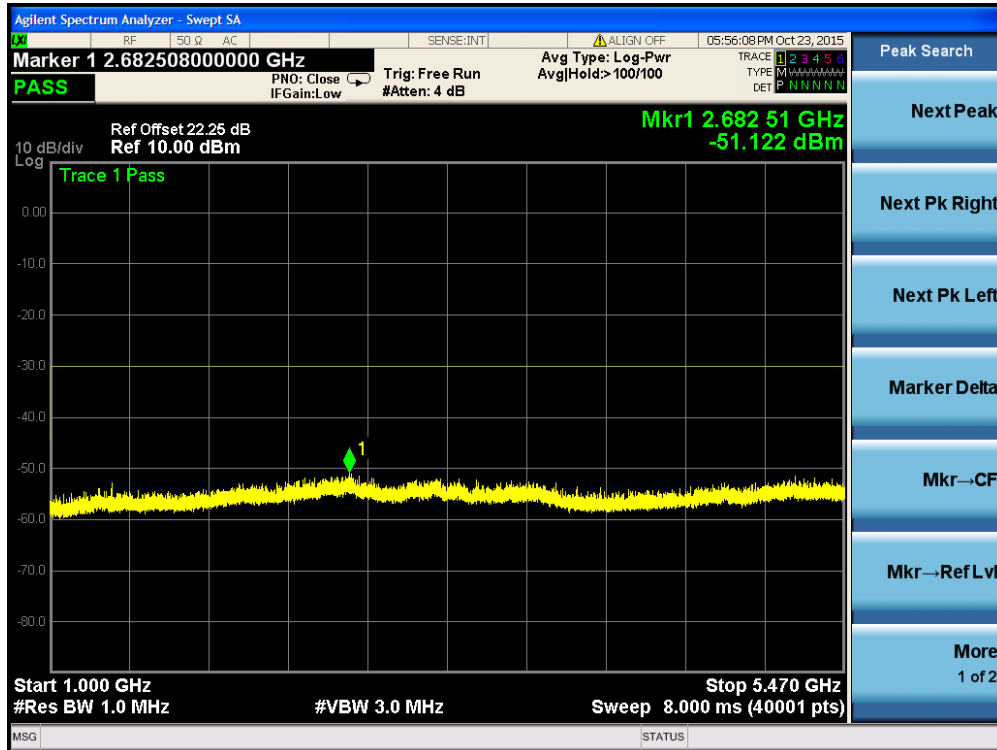
Channel Position M for FCC - QPSK / 18GHz – 40GHz



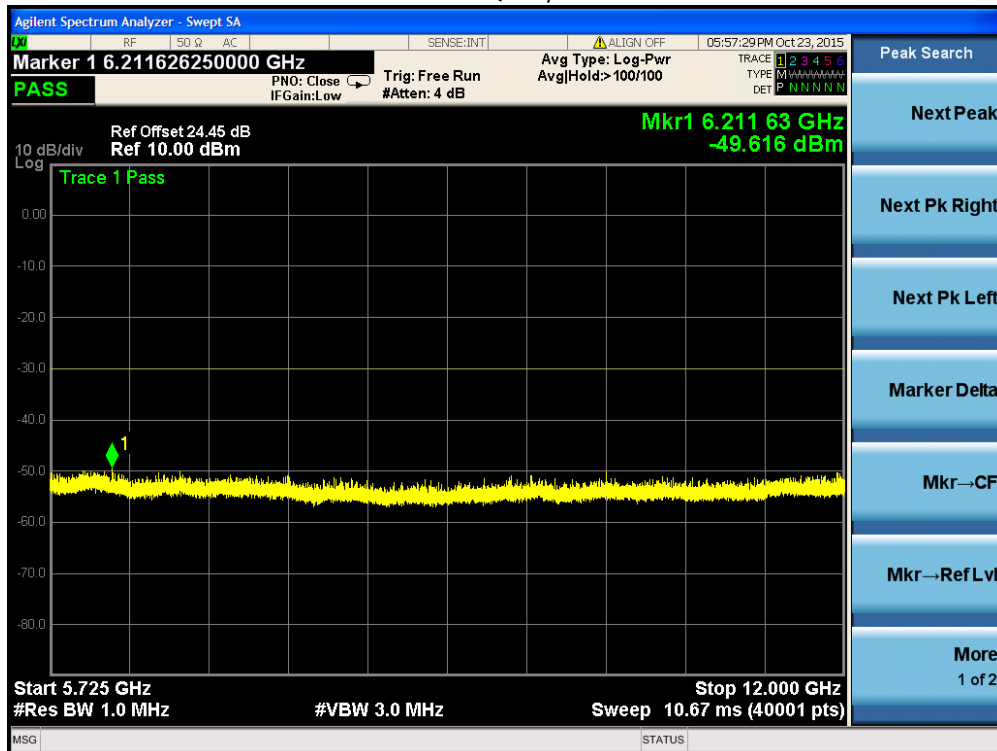
Channel Position T - QPSK / 1MHz – 1GHz



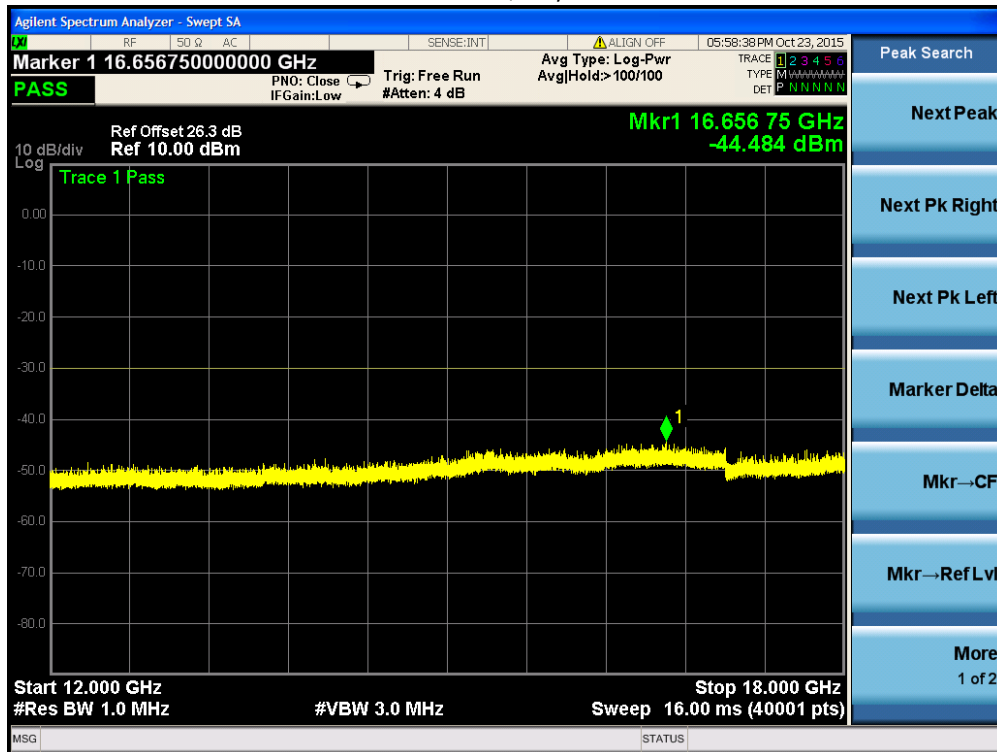
Channel Position T - QPSK / 1GHz – 5.15GHz



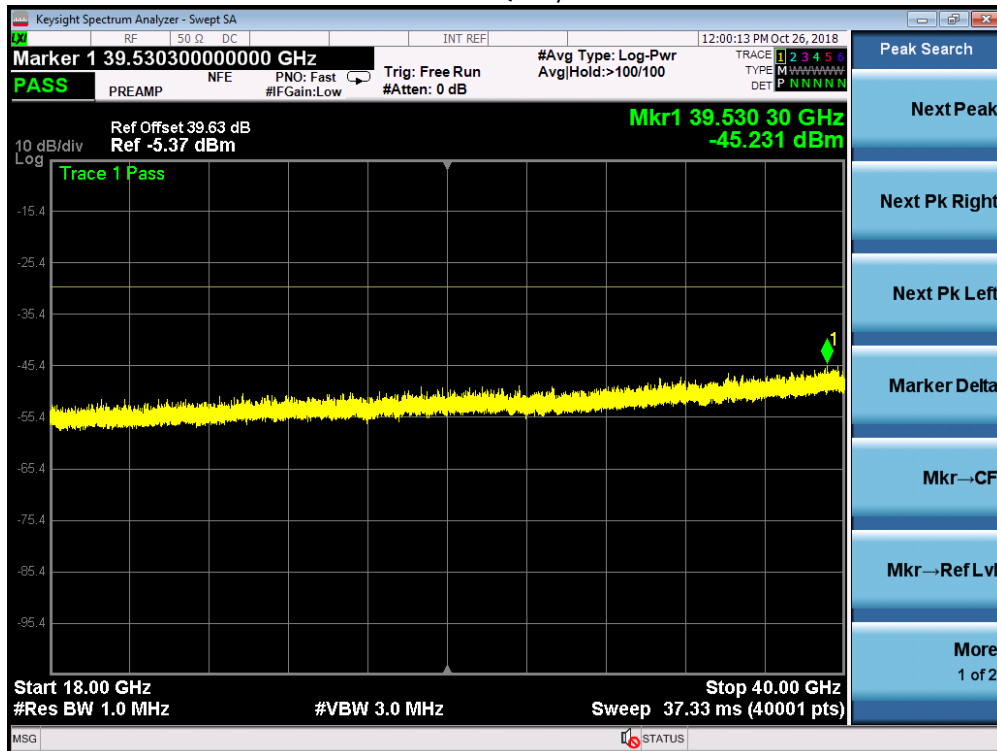
Channel Position T - QPSK / 5.35GHz – 12GHz



Channel Position T - QPSK / 12GHz – 18GHz



Channel Position T - QPSK / 18GHz – 40GHz

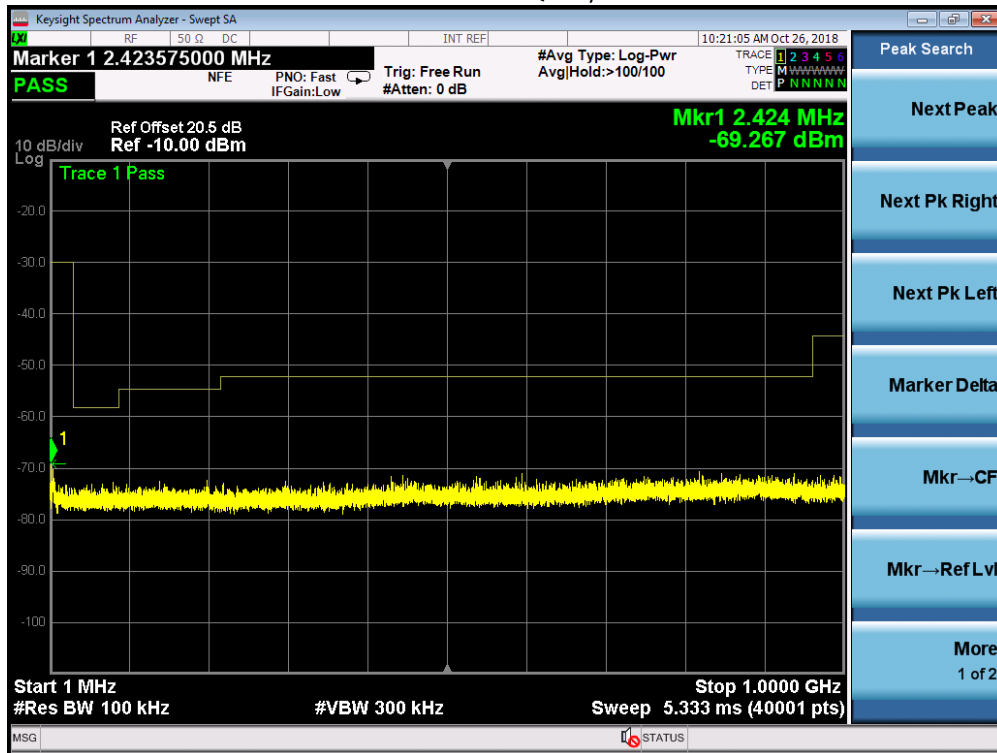


L-MIMO-MC 1 (2C)

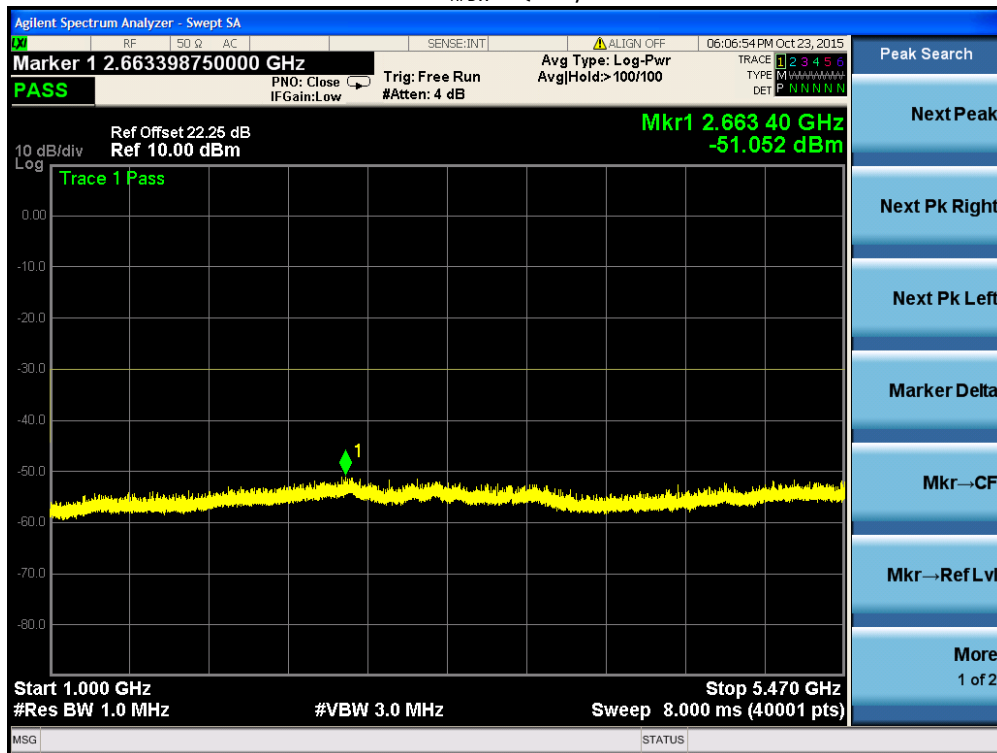
Maximum Output Power 18dBm per port:

Channel Position	Bandwidth (MHz)	Channel Frequency
B_{RFBW}	20.0 MHz	5500MHz + 5520MHz
M_{RFBW} (for IC)	20.0 MHz	5560MHz + 5580MHz
M_{RFBW} (for FCC)	20.0 MHz	5580MHz + 5600MHz
T_{RFBW}	20.0 MHz	5680MHz + 5700MHz

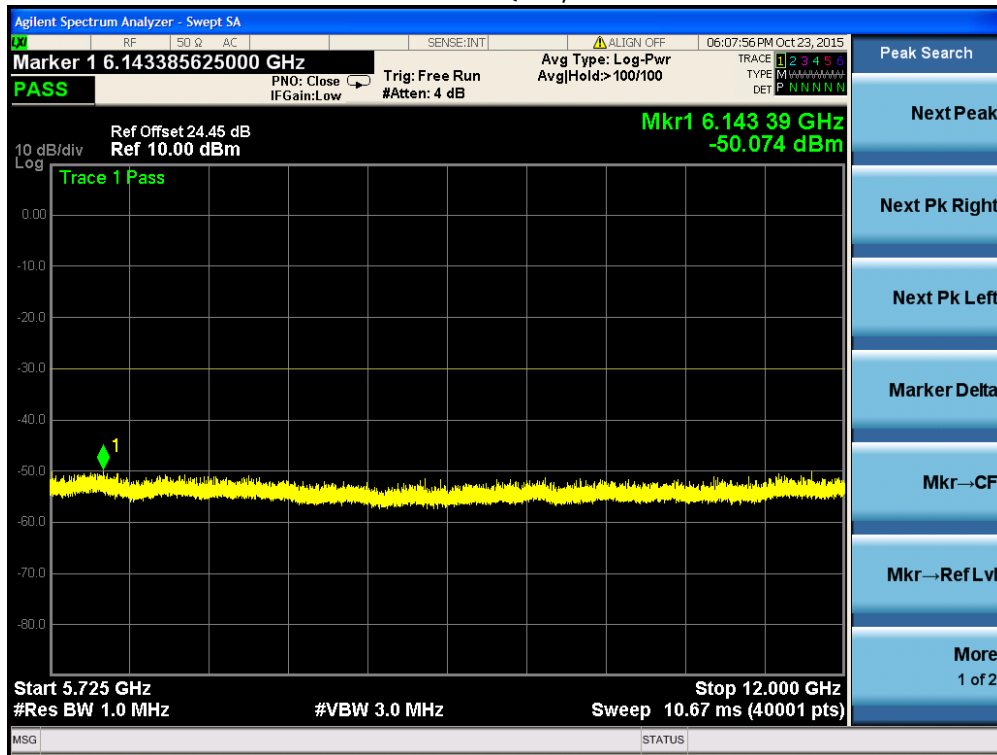
Channel Position B_{RFBW} - QPSK / 1MHz - 1GHz



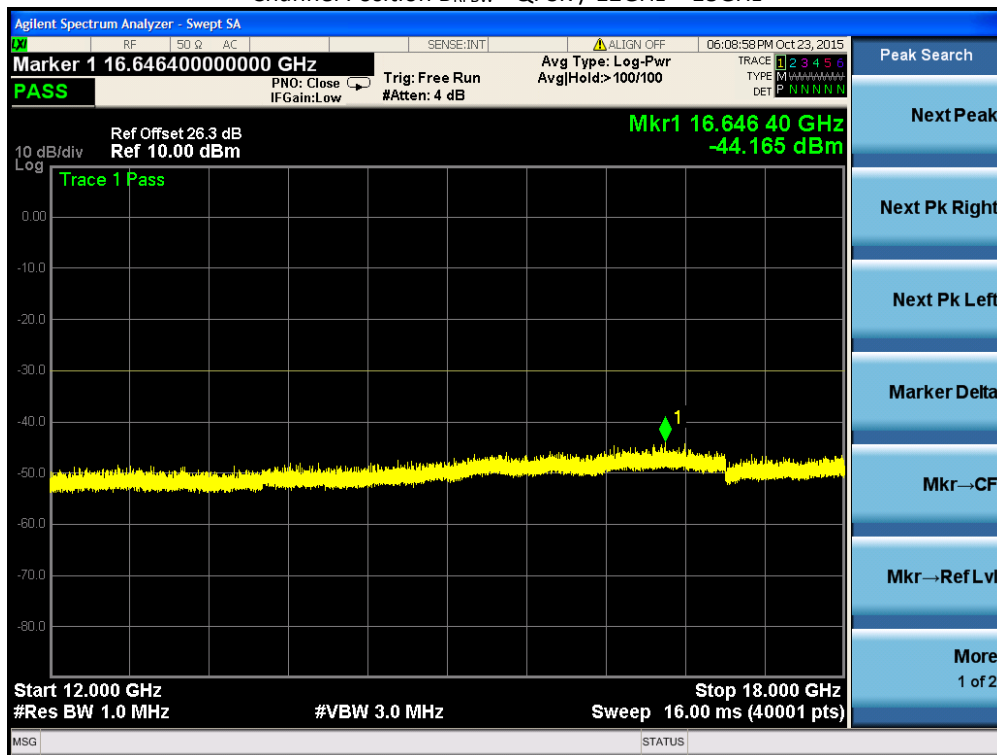
Channel Position B_{RFBW} - QPSK / 1GHz - 5.47GHz



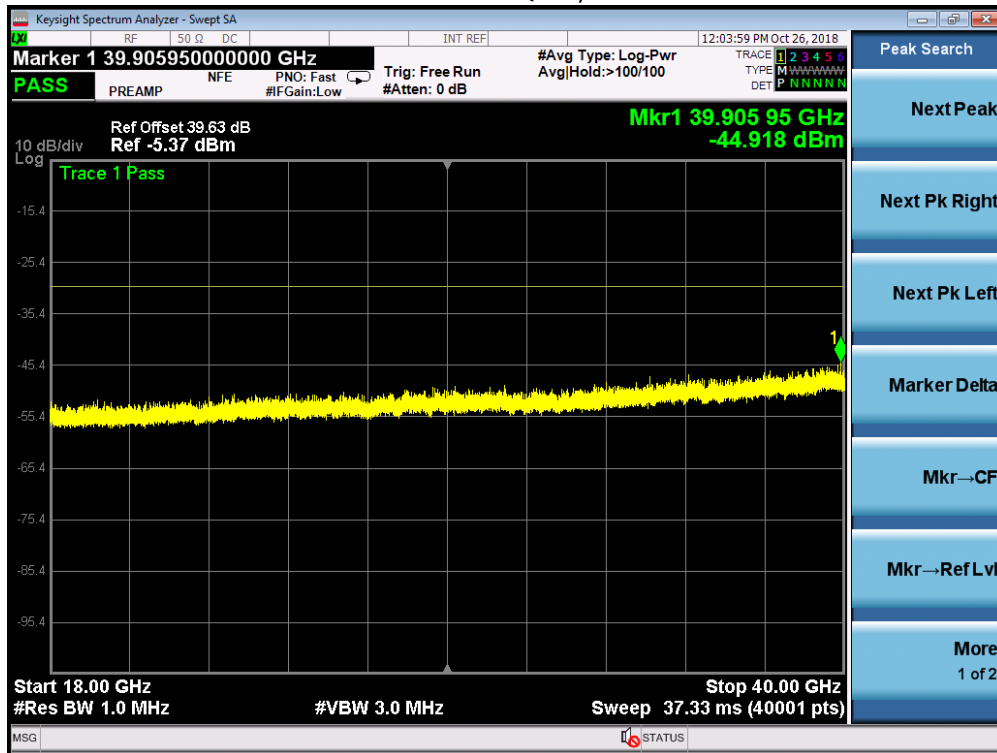
Channel Position B_{RFBW} - QPSK / 5.725GHz – 12GHz



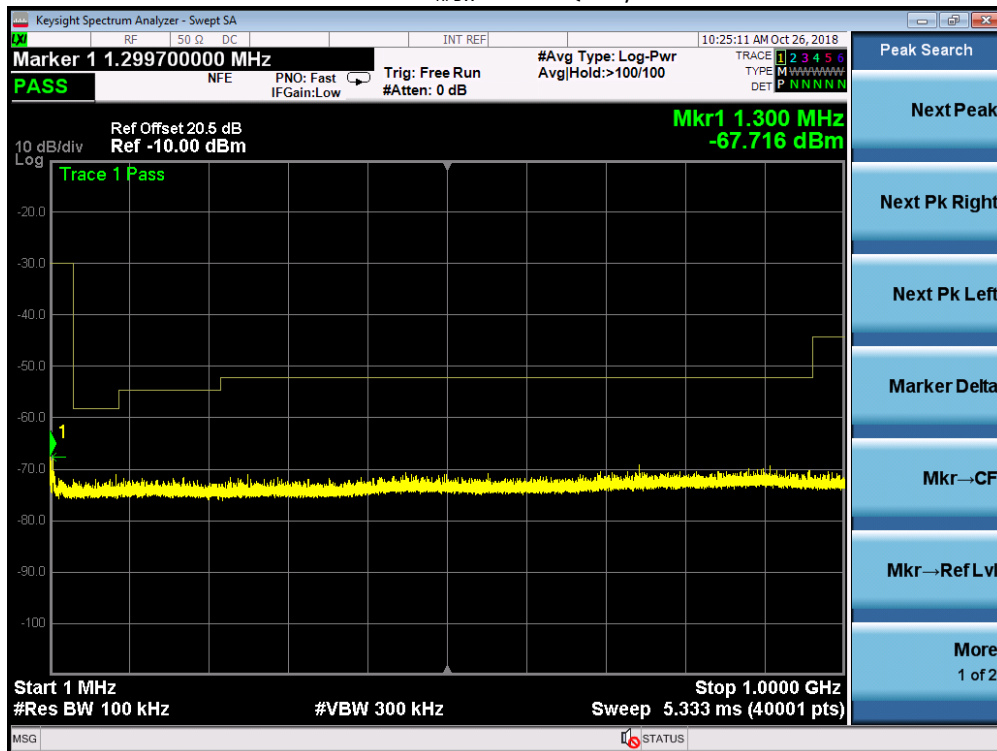
Channel Position B_{RFBW} - QPSK / 12GHz – 18GHz



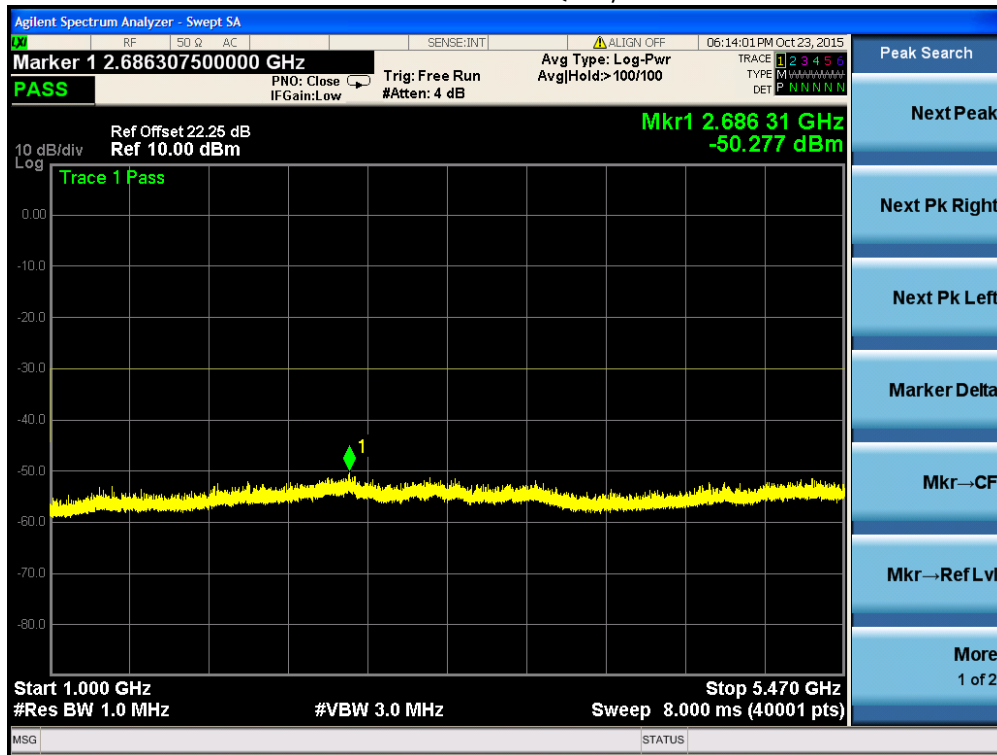
Channel Position B_{RFBW} - QPSK / 18GHz – 40GHz



Channel Position M_{RFBW} for IC - QPSK / 1MHz – 1GHz



Channel Position M_{RFBW} for IC - QPSK / 1GHz – 5.47GHz



Channel Position M_{RFBW} for IC - QPSK / 5.725GHz – 12GHz

