



## Appendix A: Effective (Isotropic) Radiated Power Output Data

### Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.88	PASS
		1	12	22.64	PASS
		1	24	22.63	PASS
		12	0	21.74	PASS
		12	6	21.76	PASS
		12	13	21.61	PASS
		25	0	21.75	PASS
	MCH	1	0	22.7	PASS
		1	12	22.46	PASS
		1	24	22.63	PASS
		12	0	21.63	PASS
		12	6	21.64	PASS
		12	13	21.61	PASS
		25	0	21.74	PASS
	HCH	1	0	22.62	PASS
		1	12	22.67	PASS
		1	24	22.78	PASS
		12	0	21.57	PASS
		12	6	21.7	PASS
		12	13	21.74	PASS
		25	0	21.67	PASS
16QAM	LCH	1	0	22.11	PASS
		1	12	21.9	PASS
		1	24	22.21	PASS
		12	0	20.7	PASS
		12	6	20.77	PASS
		12	13	20.69	PASS
		25	0	20.71	PASS
	MCH	1	0	22.22	PASS
		1	12	22.06	PASS
		1	24	22.12	PASS
		12	0	20.73	PASS
		12	6	20.68	PASS



		12	13	20.63	PASS
		25	0	20.74	PASS
	HCH	1	0	22.06	PASS
		1	12	22.17	PASS
		1	24	22.14	PASS
		12	0	20.58	PASS
		12	6	20.63	PASS
		12	13	20.75	PASS
		25	0	20.67	PASS

### Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	MCH	1	0	22.9	PASS
		1	24	22.74	PASS
		1	49	22.84	PASS
		25	0	21.76	PASS
		25	12	21.67	PASS
		25	25	21.7	PASS
		50	0	21.84	PASS
16QAM	MCH	1	0	22.19	PASS
		1	24	21.97	PASS
		1	49	22.16	PASS
		25	0	20.74	PASS
		25	12	20.69	PASS
		25	25	20.7	PASS
		50	0	20.81	PASS



## Appendix B: Peak-to-Average Ratio

### Test Result

#### Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	MCH	1	0	4.65	<13	PASS
16QAM	MCH	1	0	5.55	<13	PASS

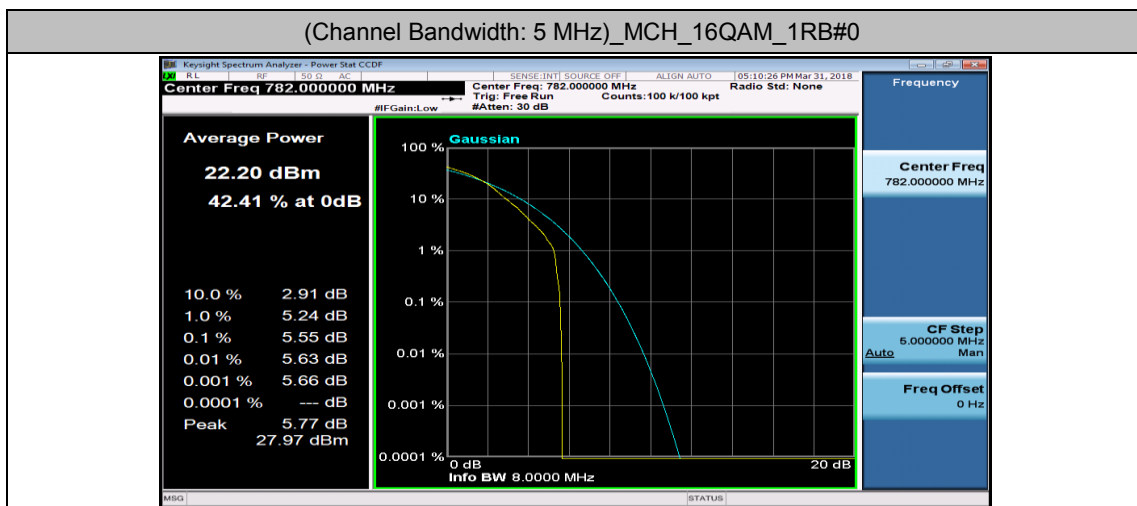
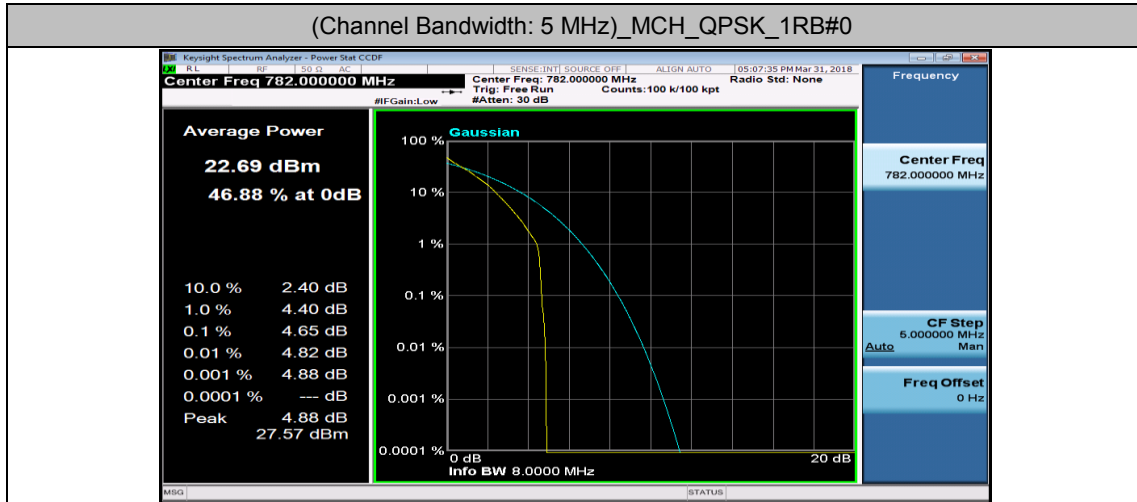
#### Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	MCH	1	0	4.46	<13	PASS
16QAM	MCH	1	0	5.16	<13	PASS



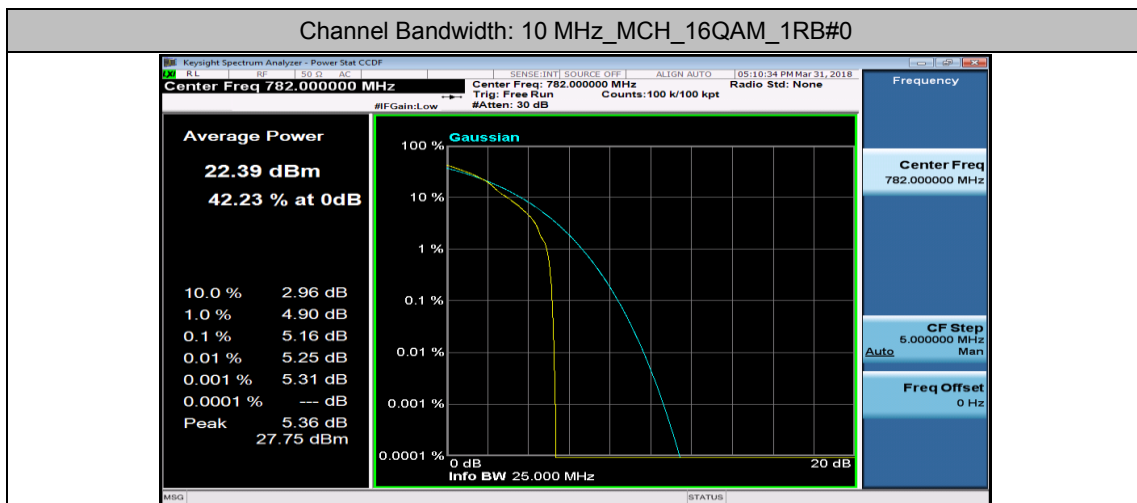
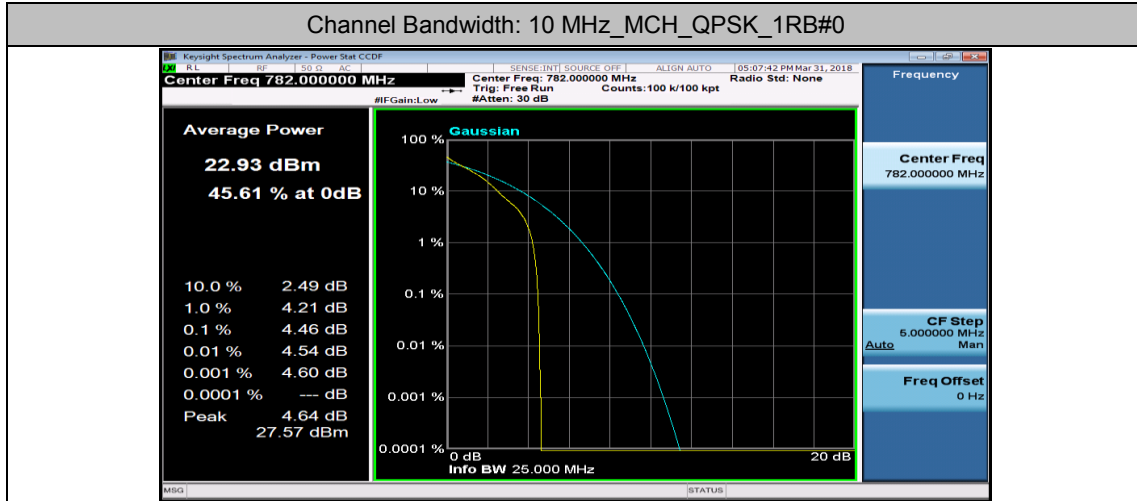
## Test Graphs

### Channel Bandwidth: 5 MHz





## Channel Bandwidth: 10 MHz





## Appendix C: 26dB Bandwidth and Occupied Bandwidth

### Test Result

#### Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4709	4.802	PASS
	MCH	25	0	4.4588	4.764	PASS
	HCH	25	0	4.4675	4.760	PASS
16QAM	LCH	25	0	4.4839	4.798	PASS
	MCH	25	0	4.4666	4.786	PASS
	HCH	25	0	4.4821	4.776	PASS

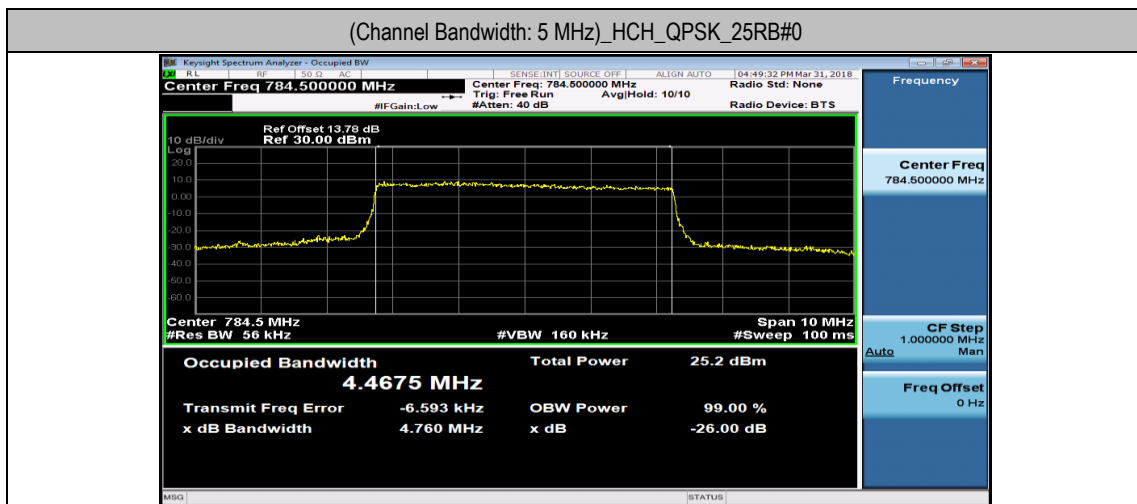
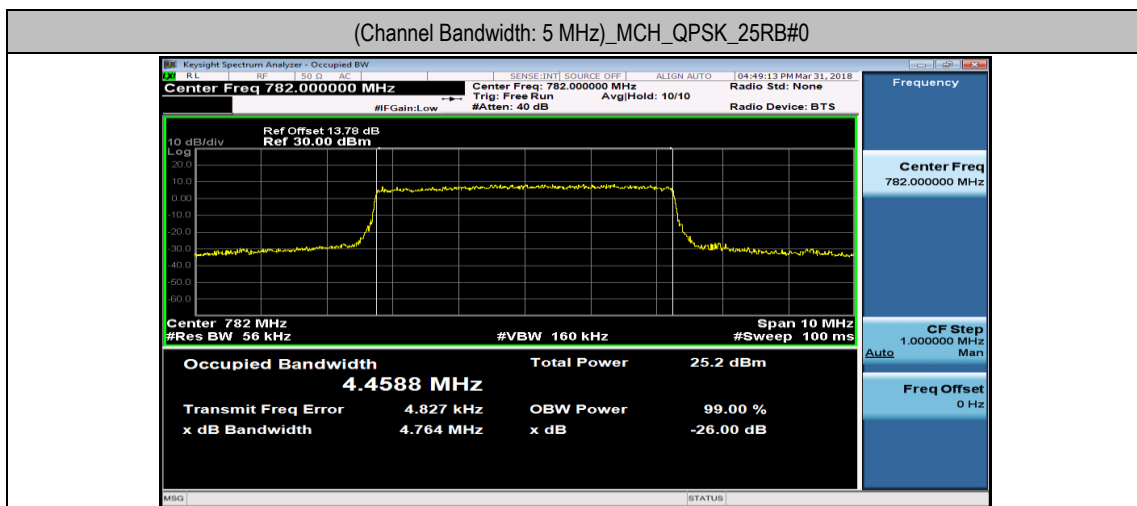
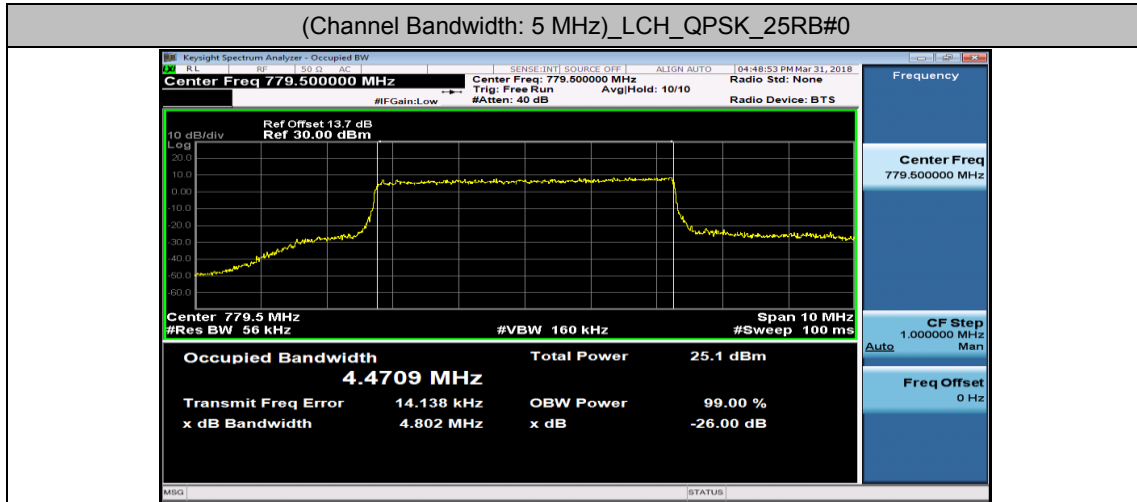
#### Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	MCH	50	0	8.9008	9.388	PASS
16QAM	MCH	50	0	8.8942	9.343	PASS



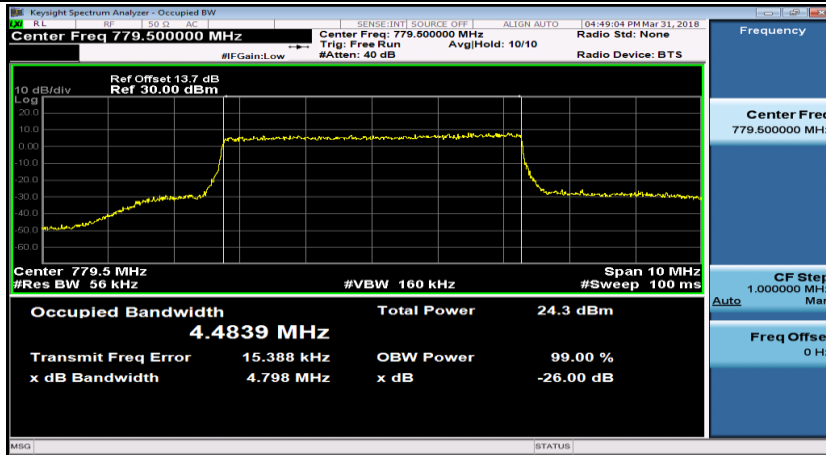
## Test Graphs

### Channel Bandwidth: 5 MHz

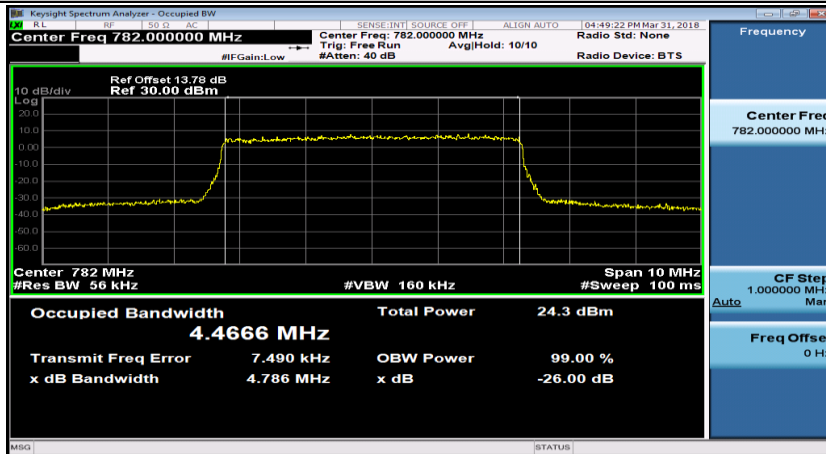




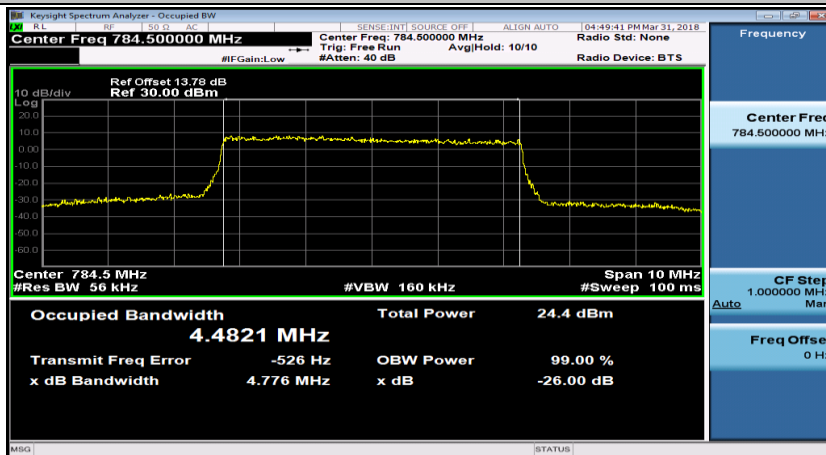
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_25RB#0



(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_25RB#0



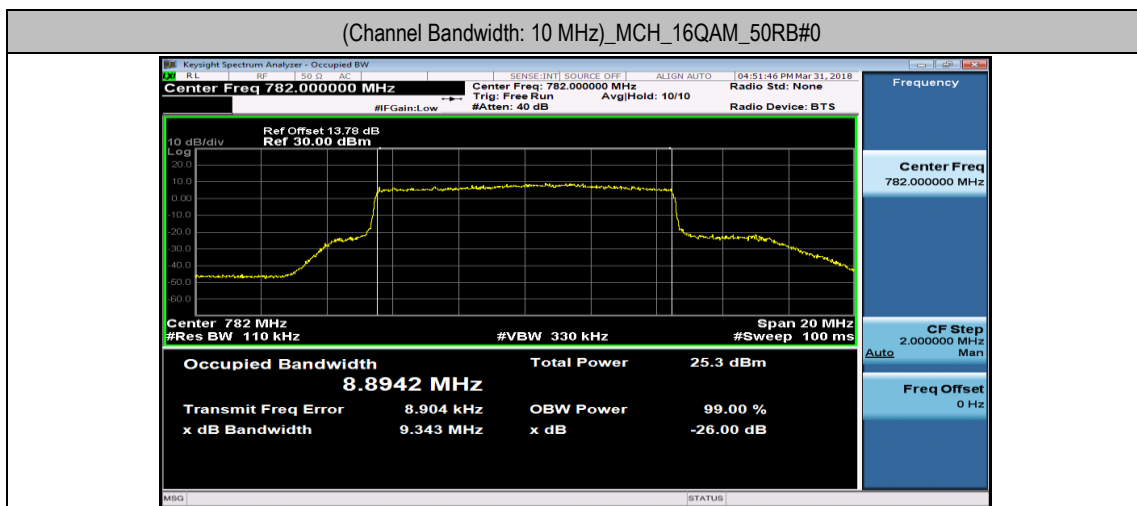
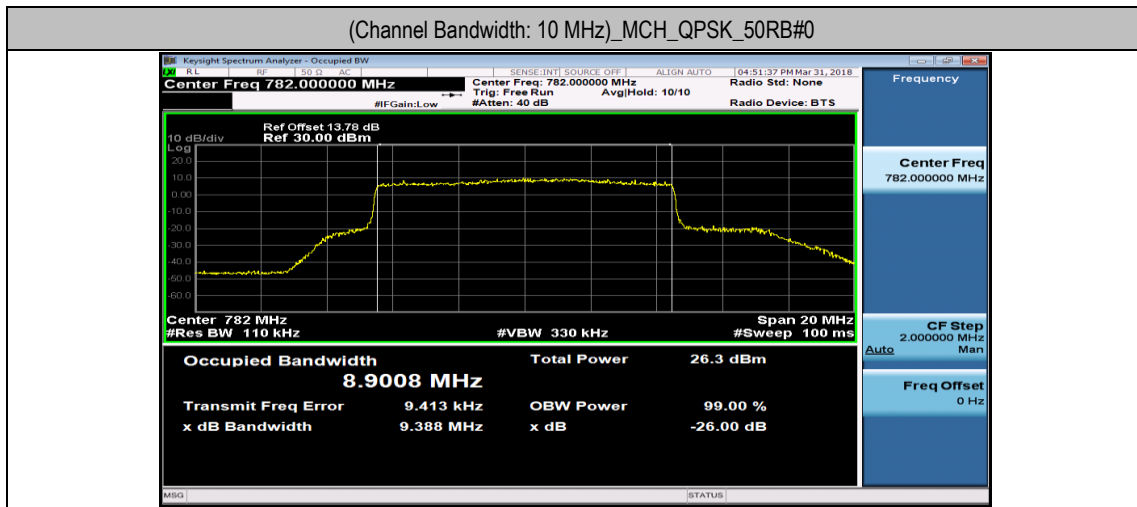
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_25RB#0







## Channel Bandwidth: 10 MHz

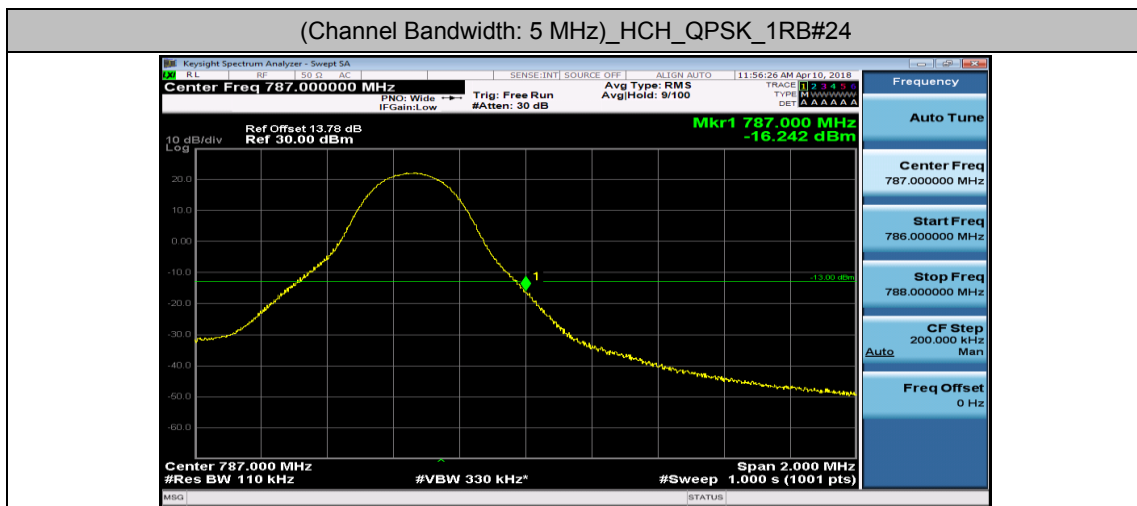
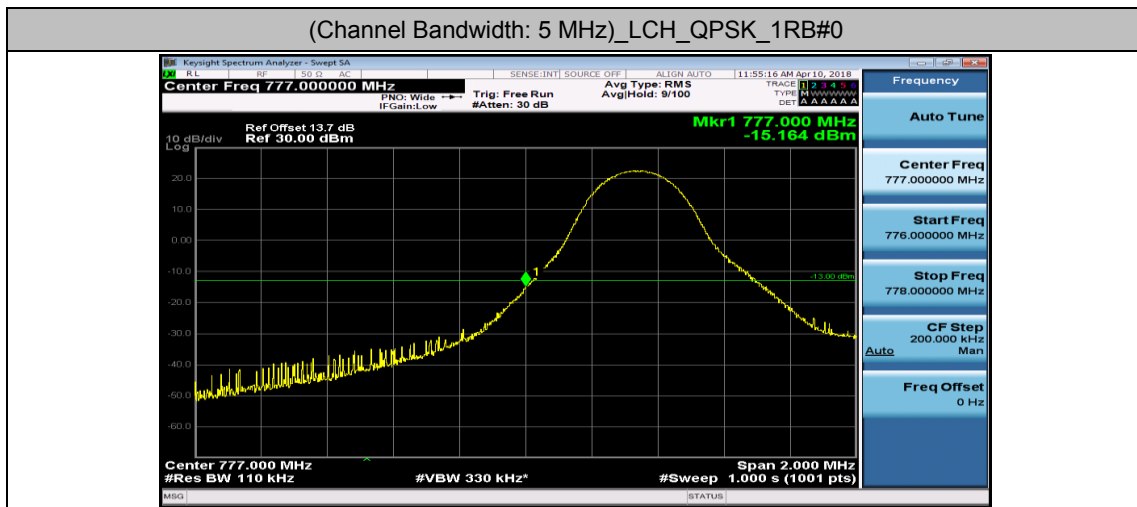




## Appendix D: Band Edge

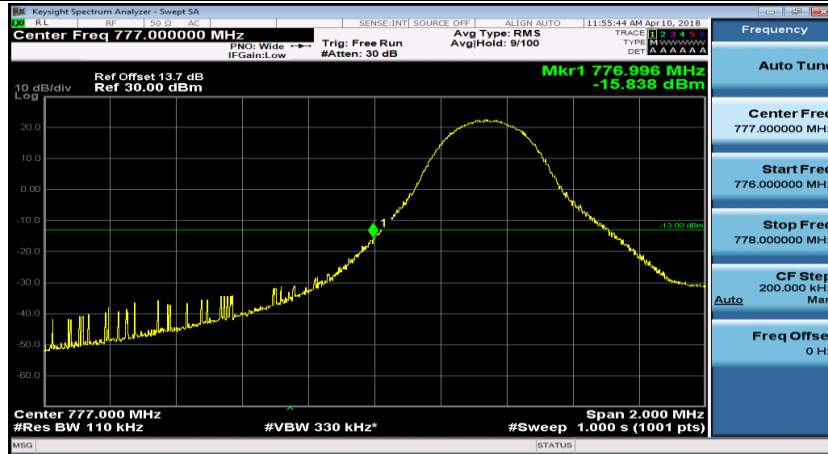
### Test Graphs

#### Channel Bandwidth: 5 MHz

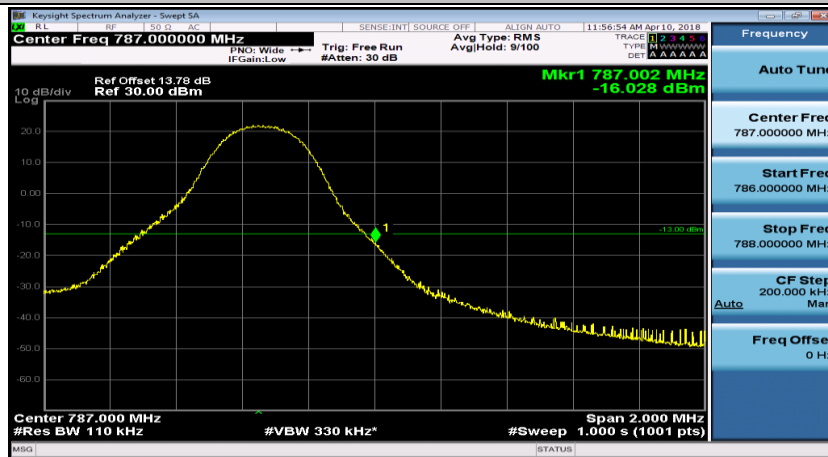




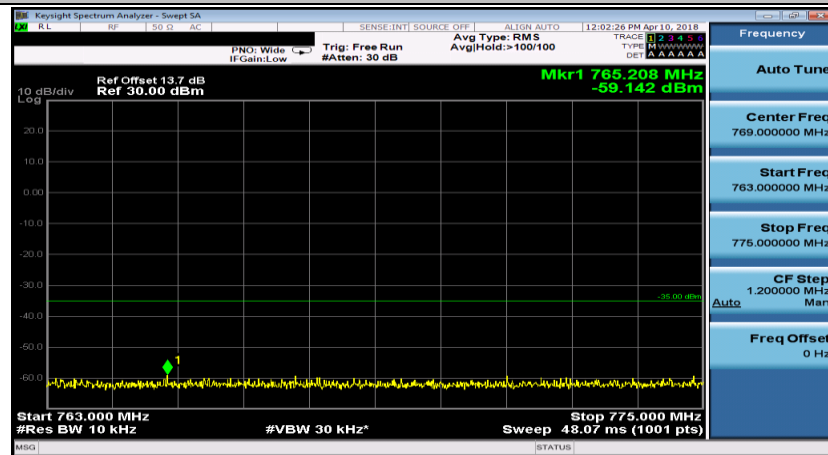
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#0



(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#24

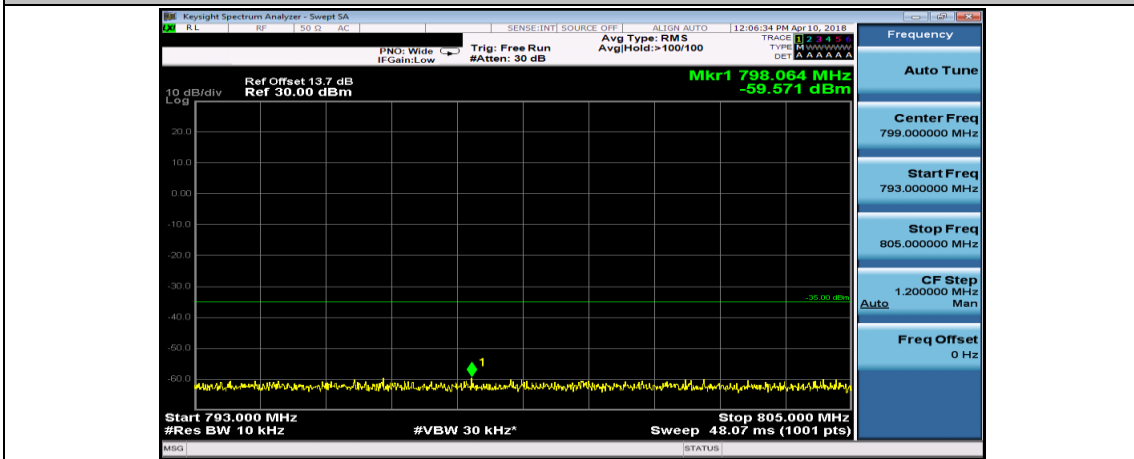


(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_1RB#0

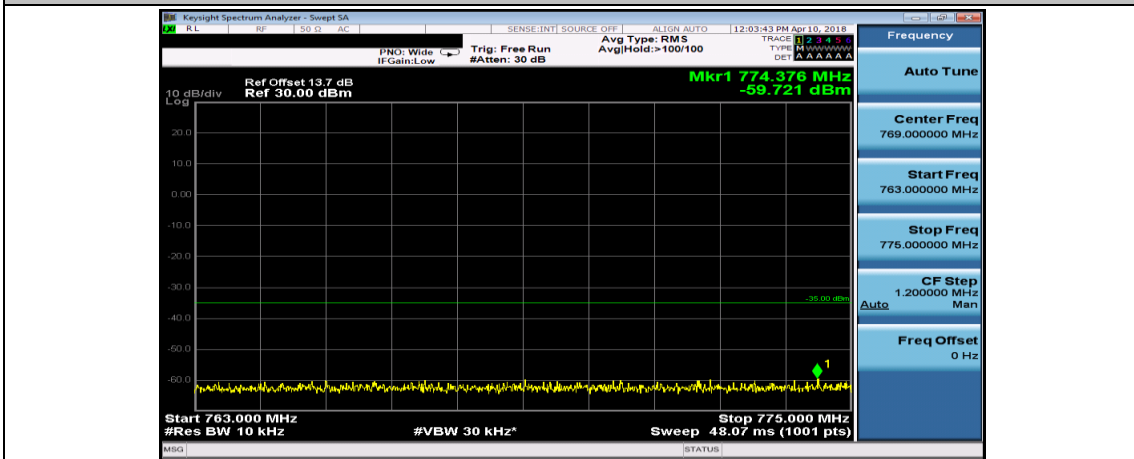




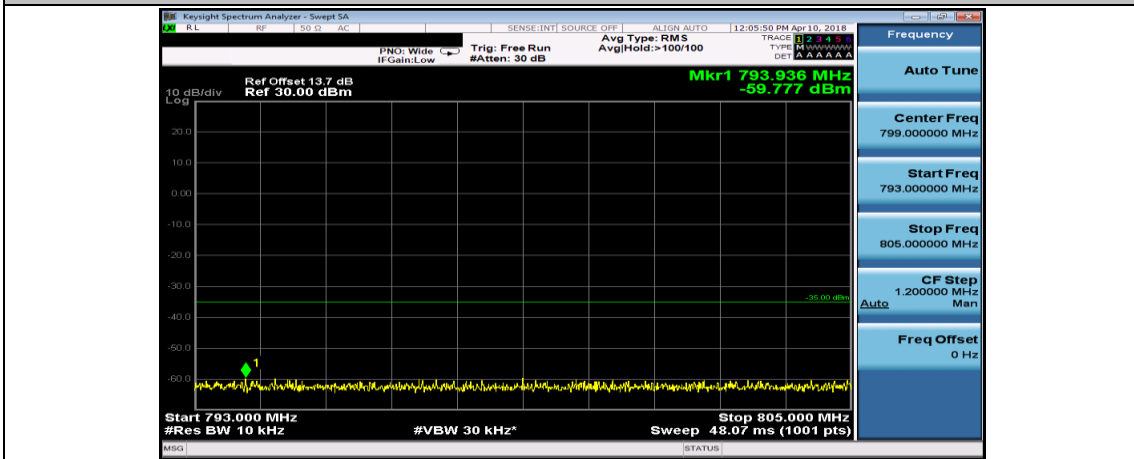
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#24



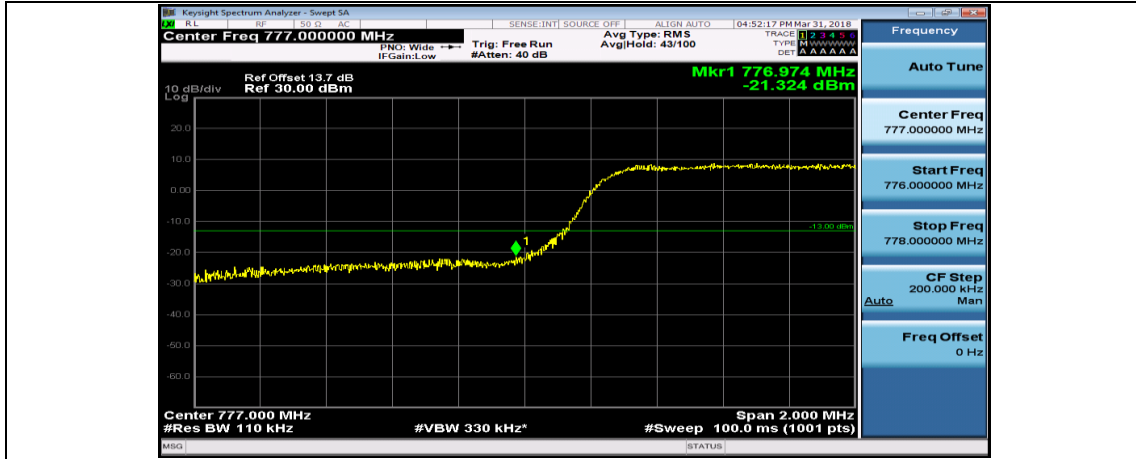
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#0



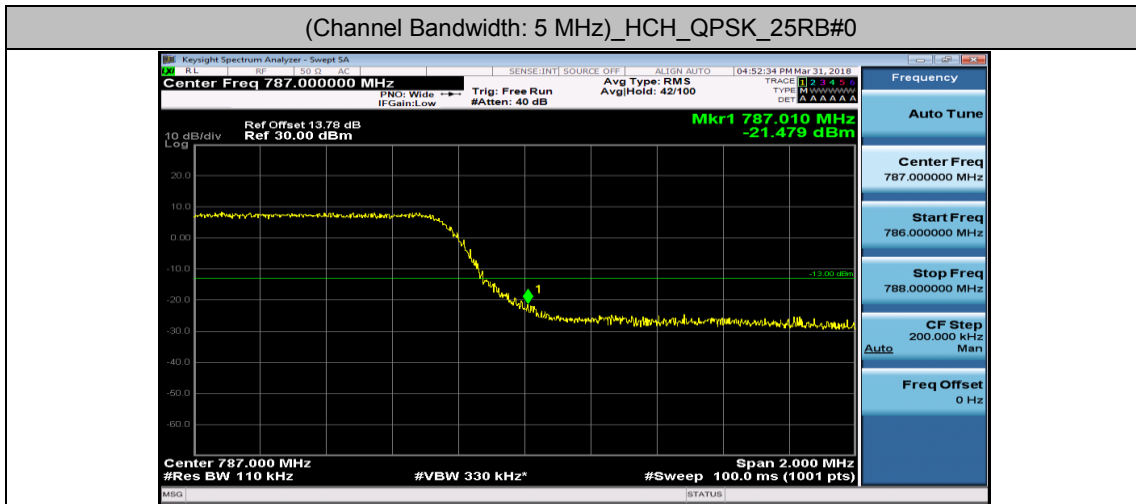
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#24



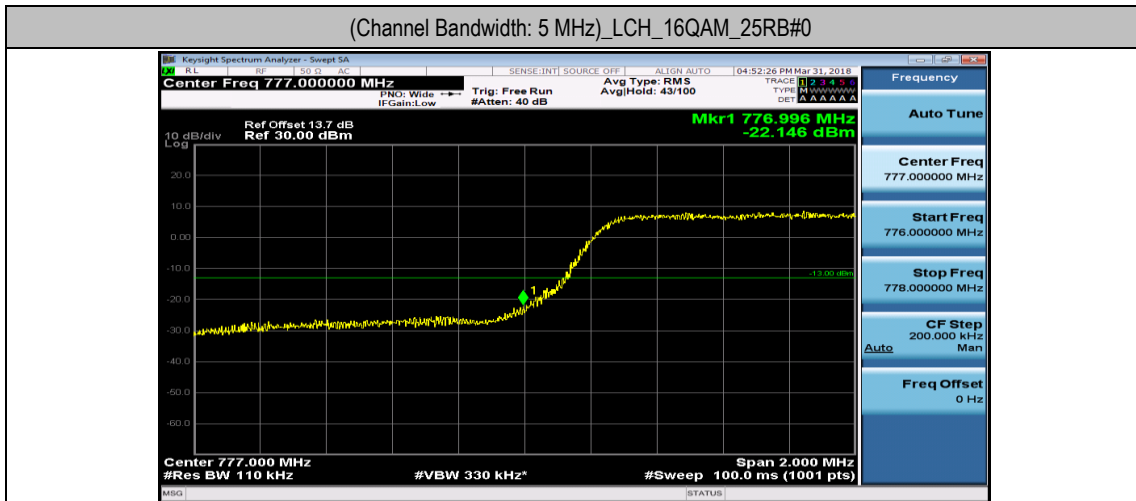
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_25RB#0



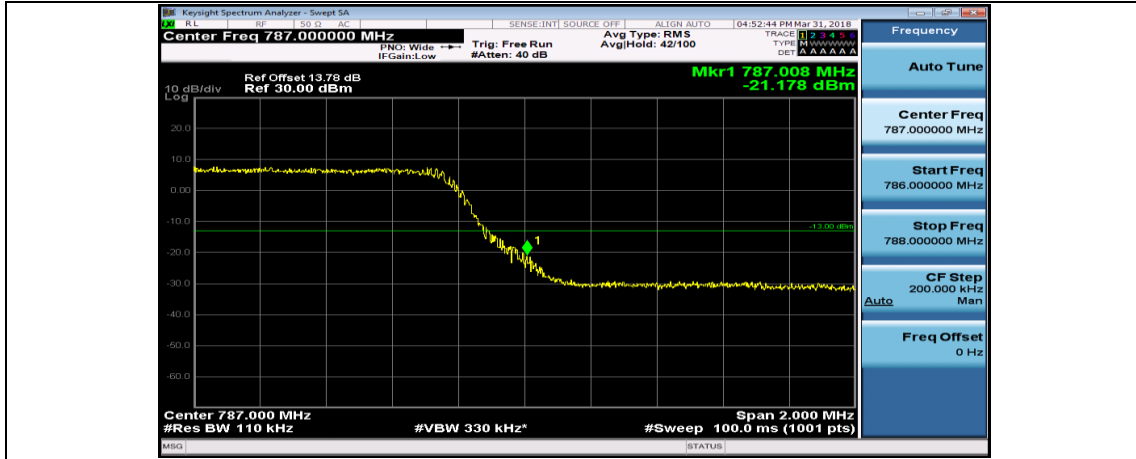
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_25RB#0



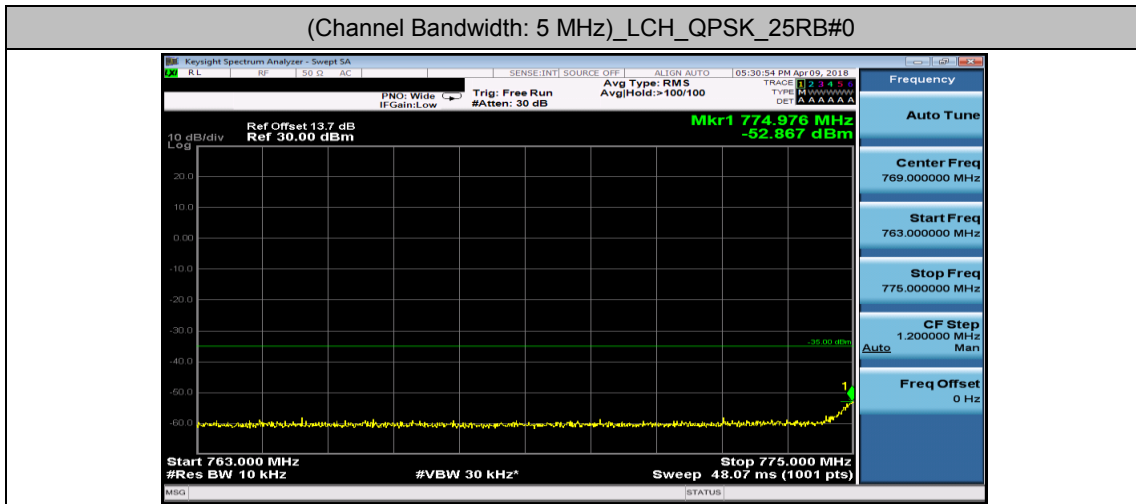
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_25RB#0



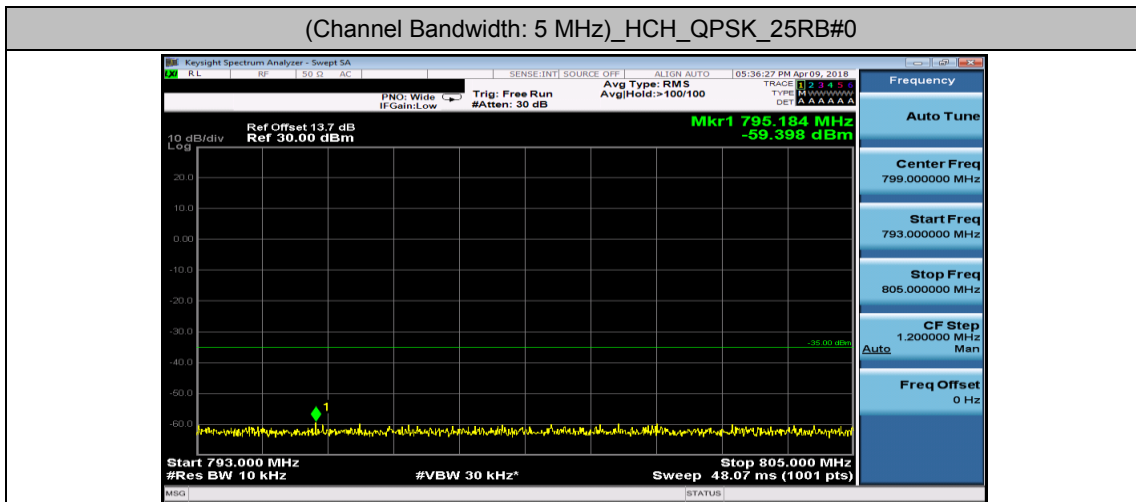
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_25RB#0



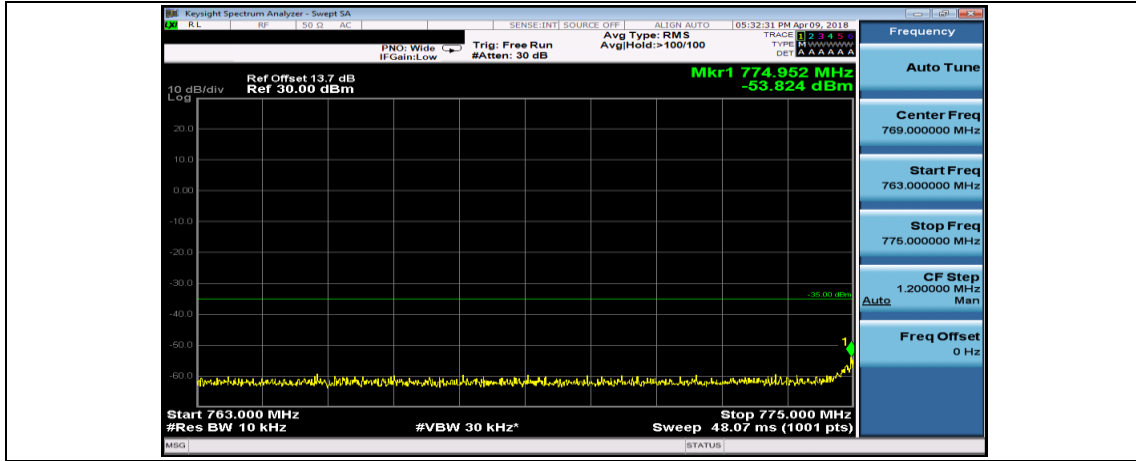
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_25RB#0



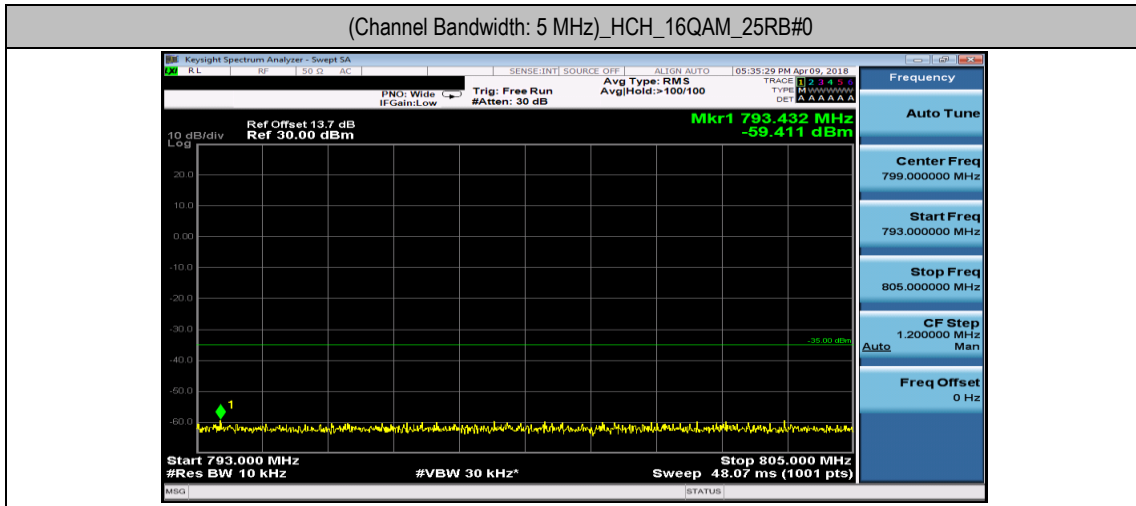
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_25RB#0



(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_25RB#0

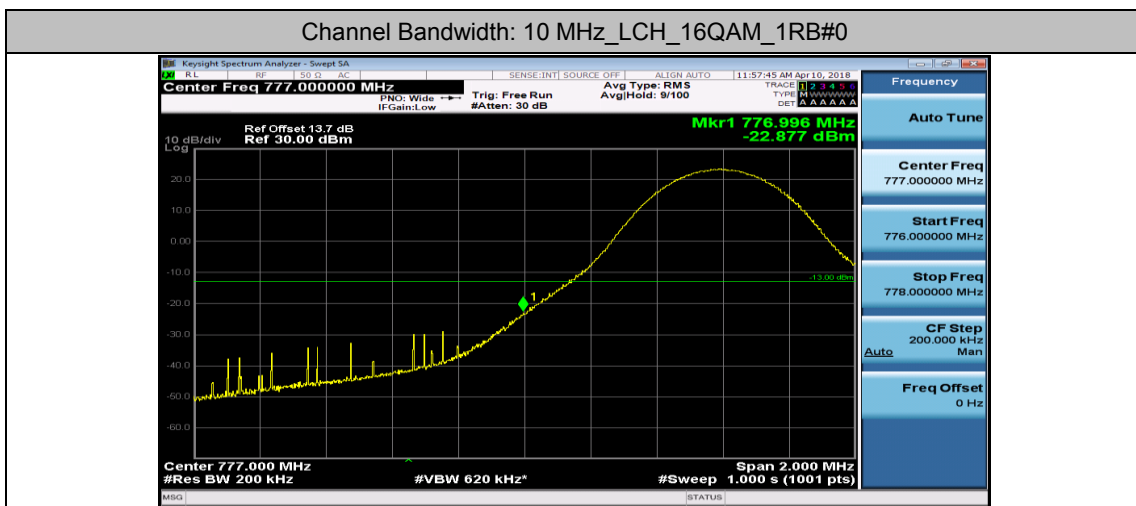
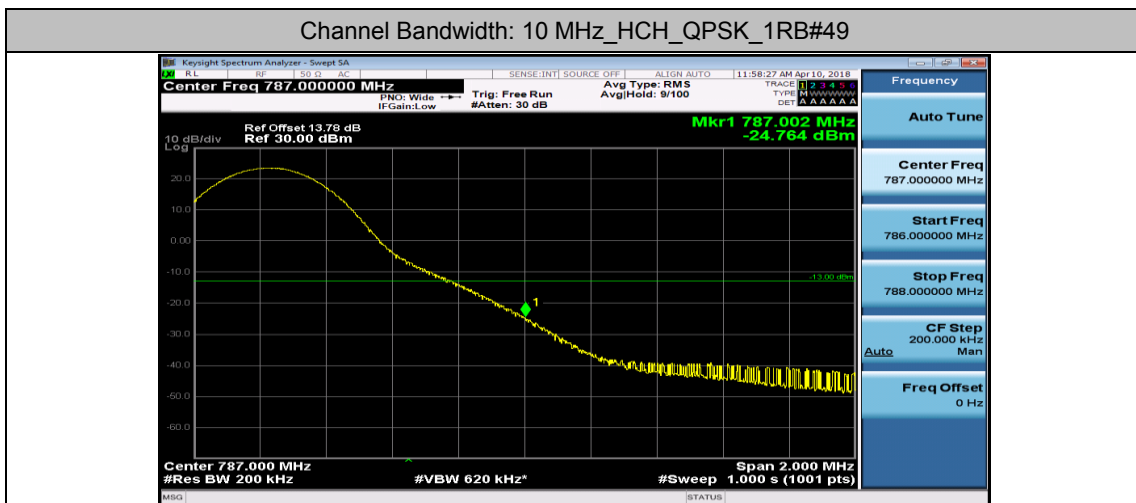
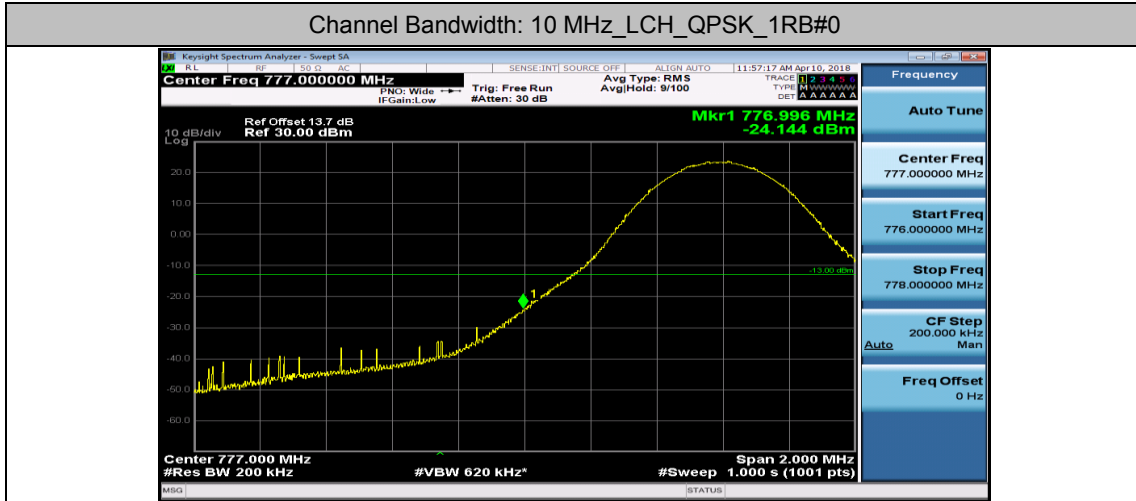


(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_25RB#0





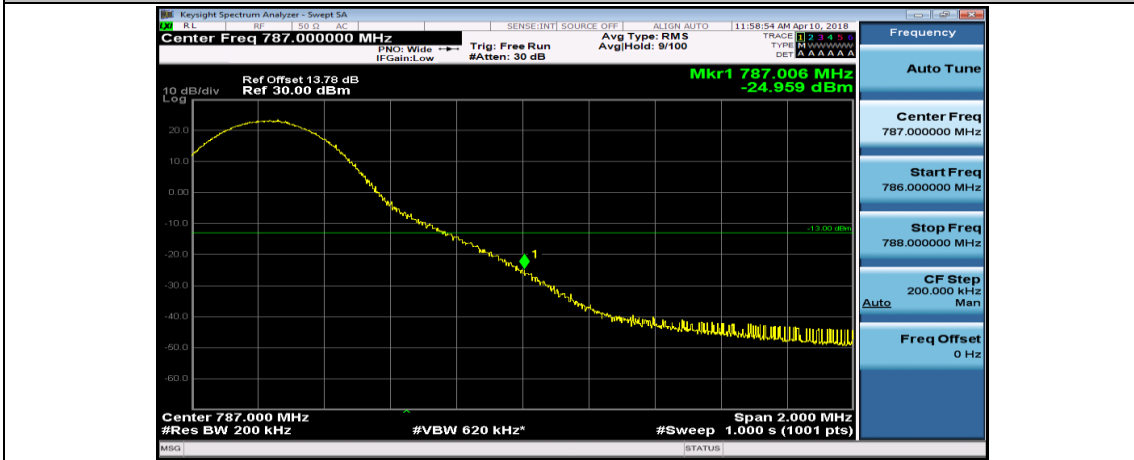
## Channel Bandwidth: 10 MHz



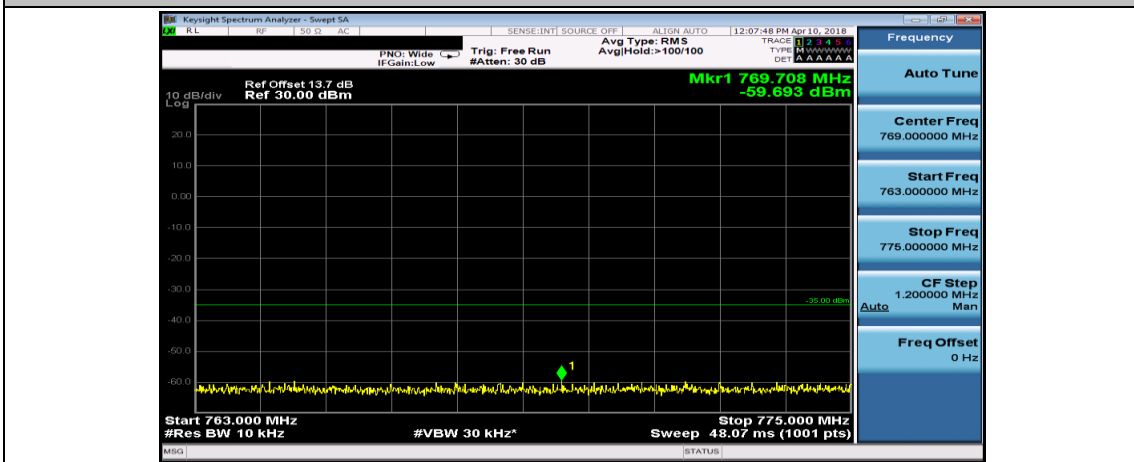




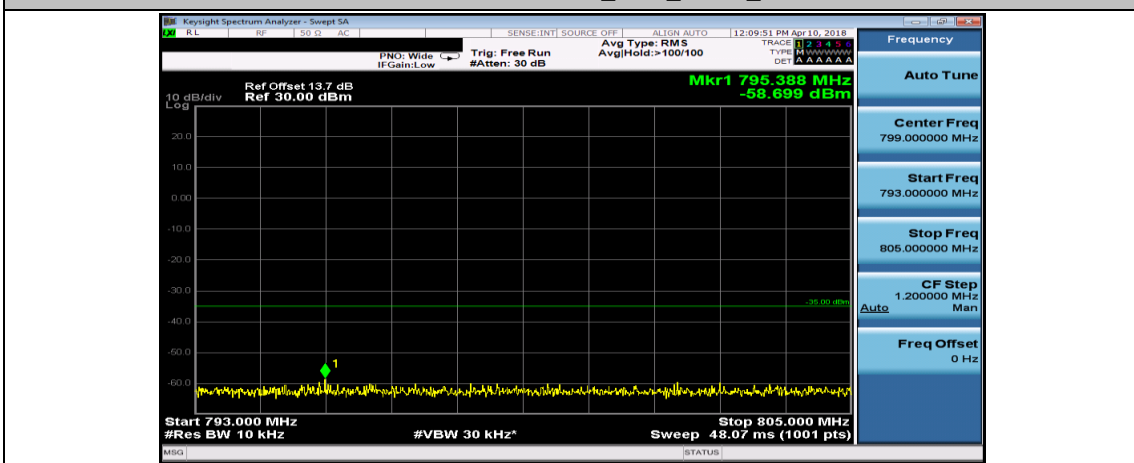
### Channel Bandwidth: 10 MHz\_HCH\_16QAM\_1RB#49



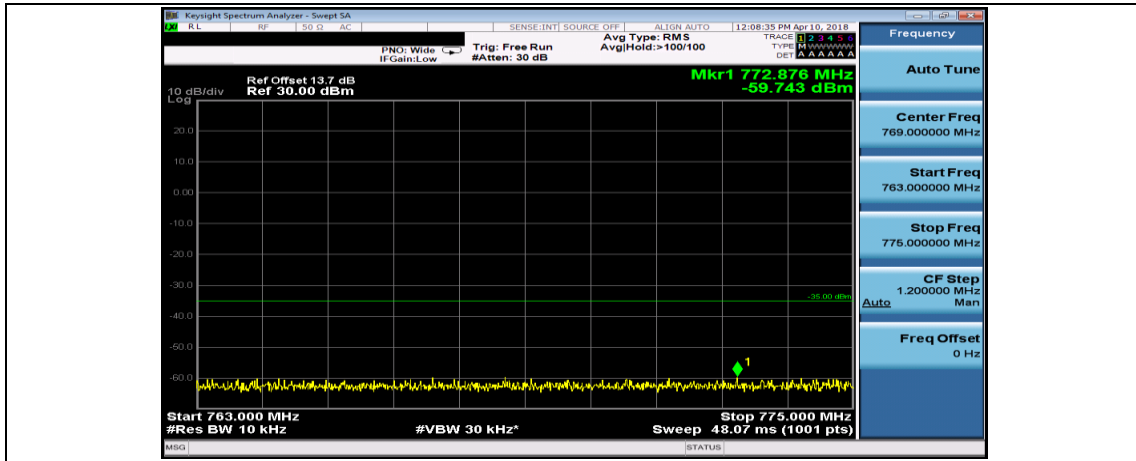
### Channel Bandwidth: 10 MHz\_LCH\_QPSK\_1RB#0



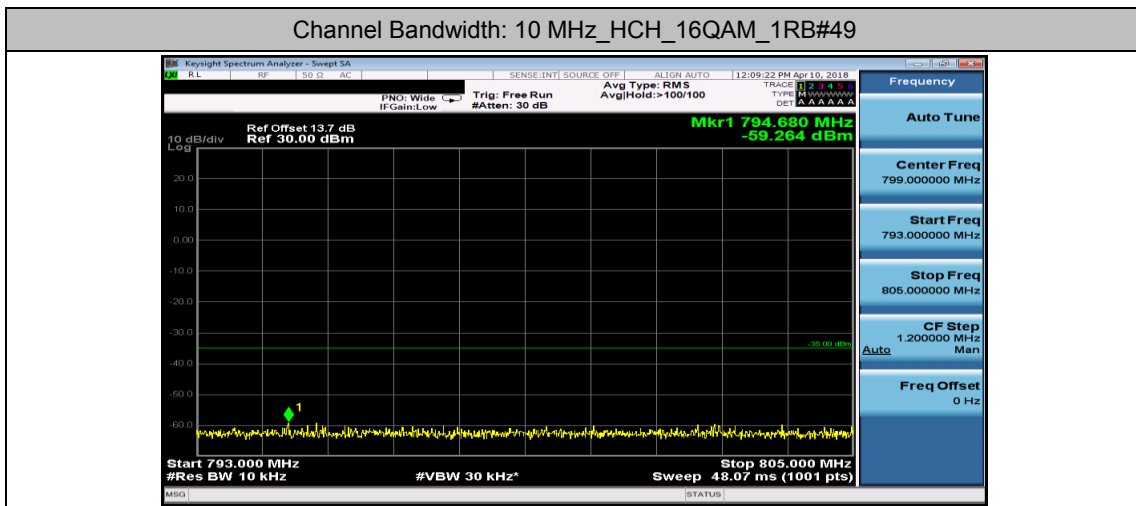
### Channel Bandwidth: 10 MHz\_HCH\_QPSK\_1RB#49



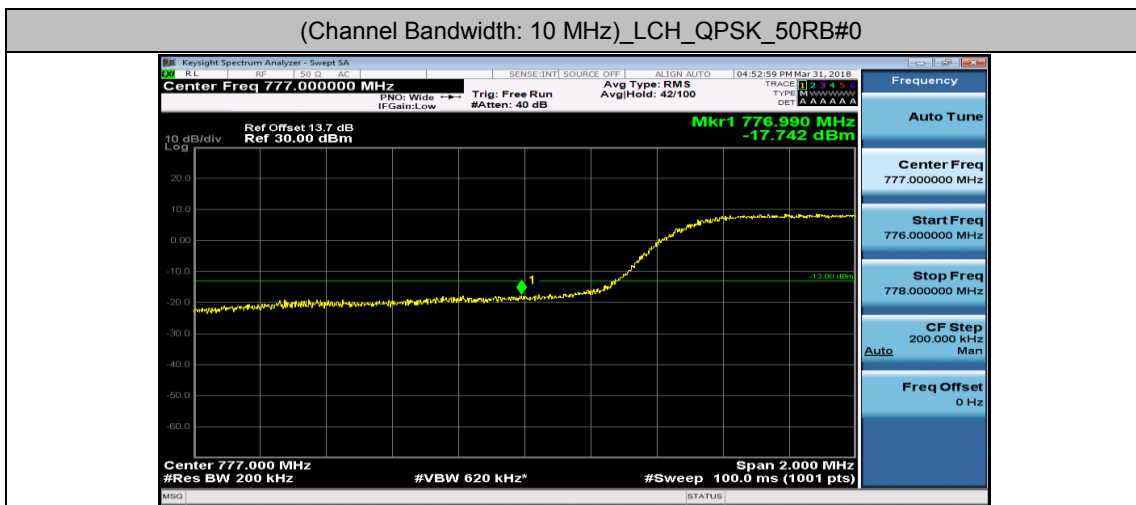
### Channel Bandwidth: 10 MHz\_LCH\_16QAM\_1RB#0



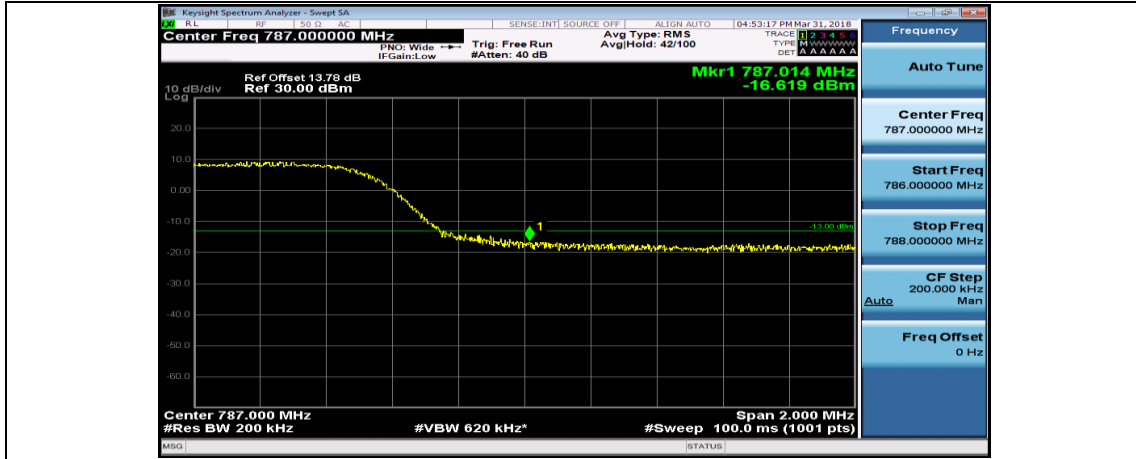
Channel Bandwidth: 10 MHz\_HCH\_16QAM\_1RB#49



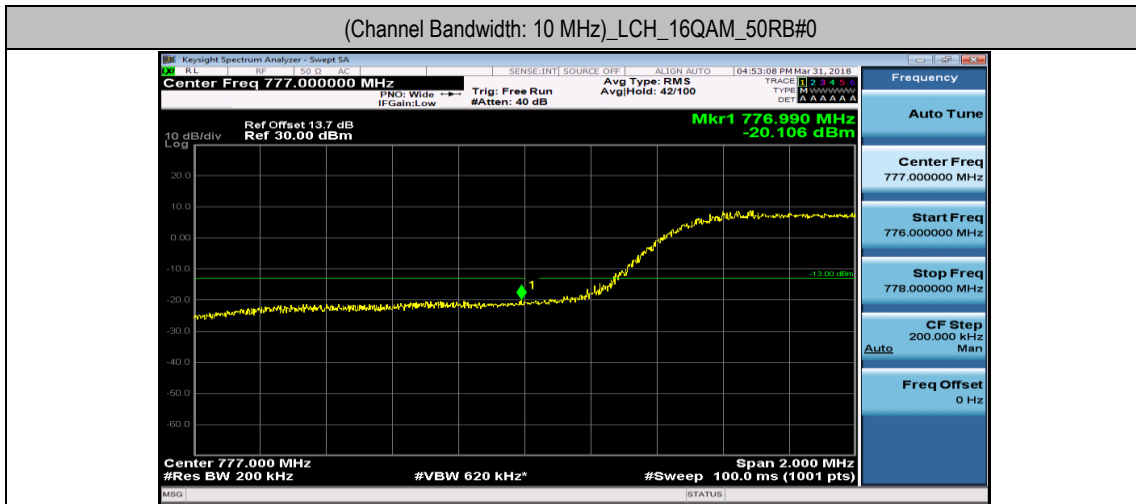
(Channel Bandwidth: 10 MHz)\_LCH\_QPSK\_50RB#0



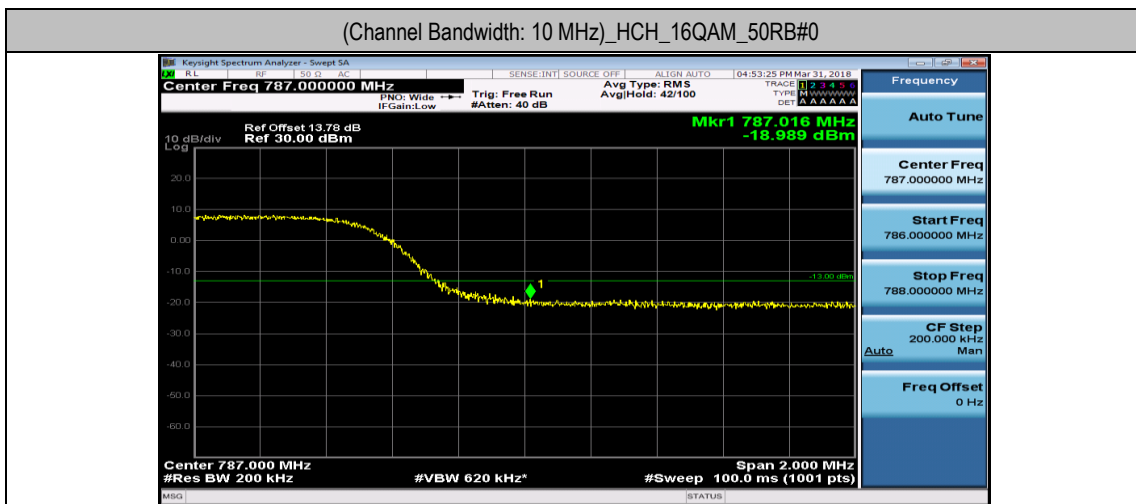
(Channel Bandwidth: 10 MHz)\_HCH\_QPSK\_50RB#0



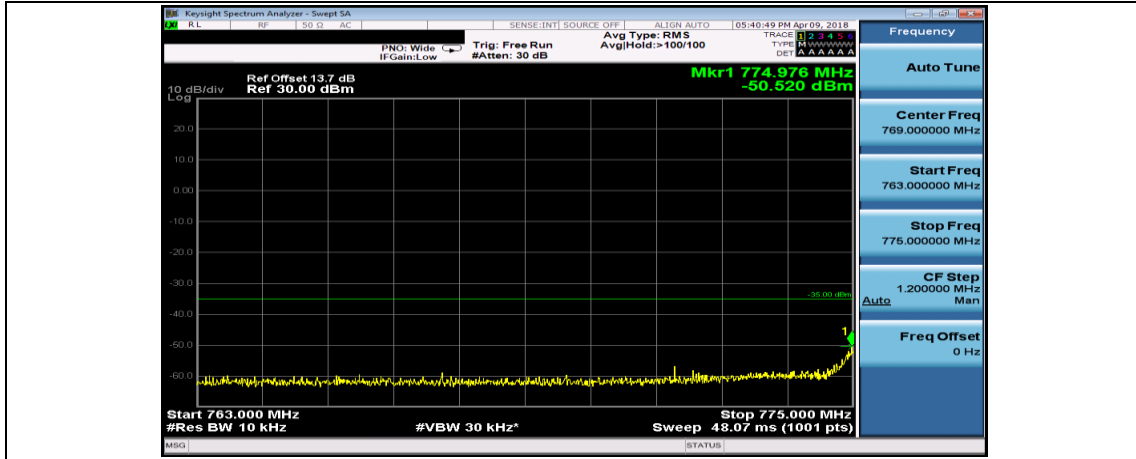
(Channel Bandwidth: 10 MHz)\_LCH\_16QAM\_50RB#0



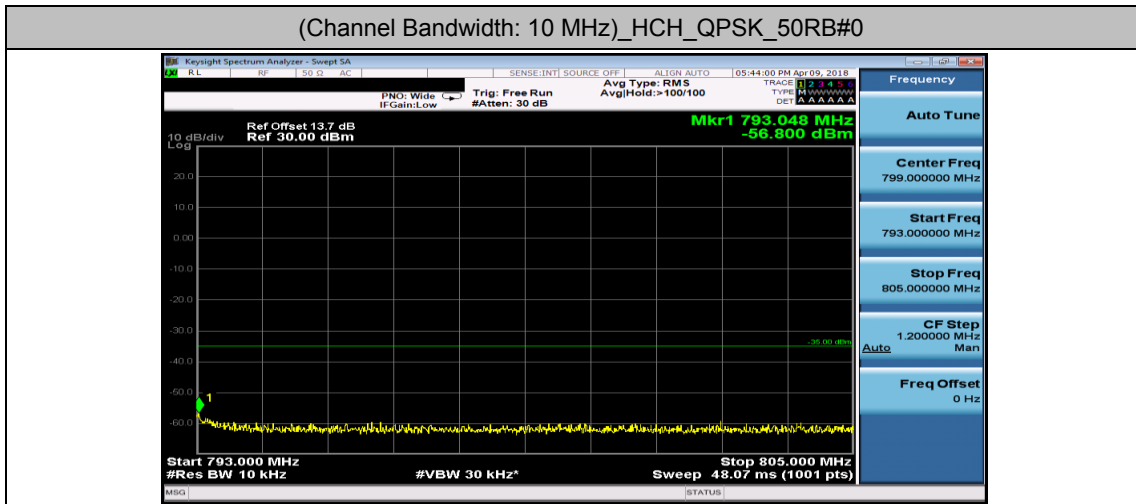
(Channel Bandwidth: 10 MHz)\_HCH\_16QAM\_50RB#0



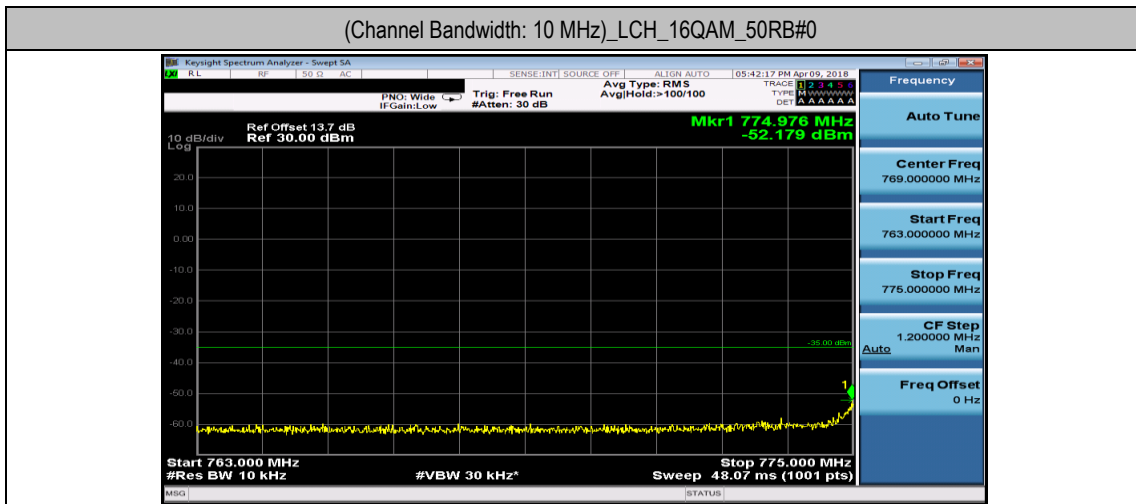
(Channel Bandwidth: 10 MHz)\_LCH\_QPSK\_50RB#0



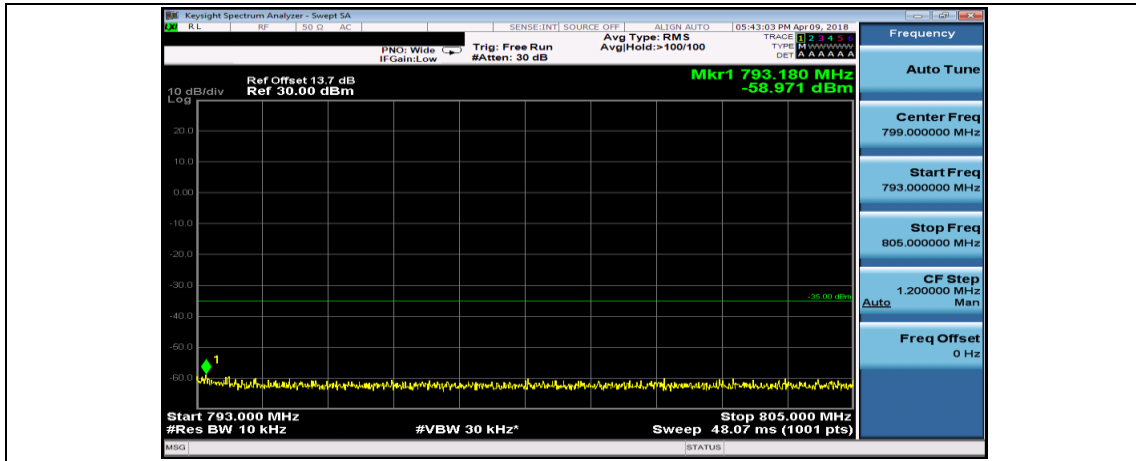
(Channel Bandwidth: 10 MHz)\_HCH\_QPSK\_50RB#0



(Channel Bandwidth: 10 MHz)\_LCH\_16QAM\_50RB#0



(Channel Bandwidth: 10 MHz)\_HCH\_16QAM\_50RB#0

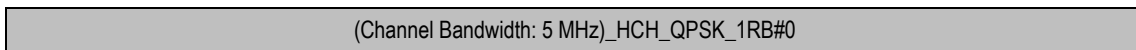
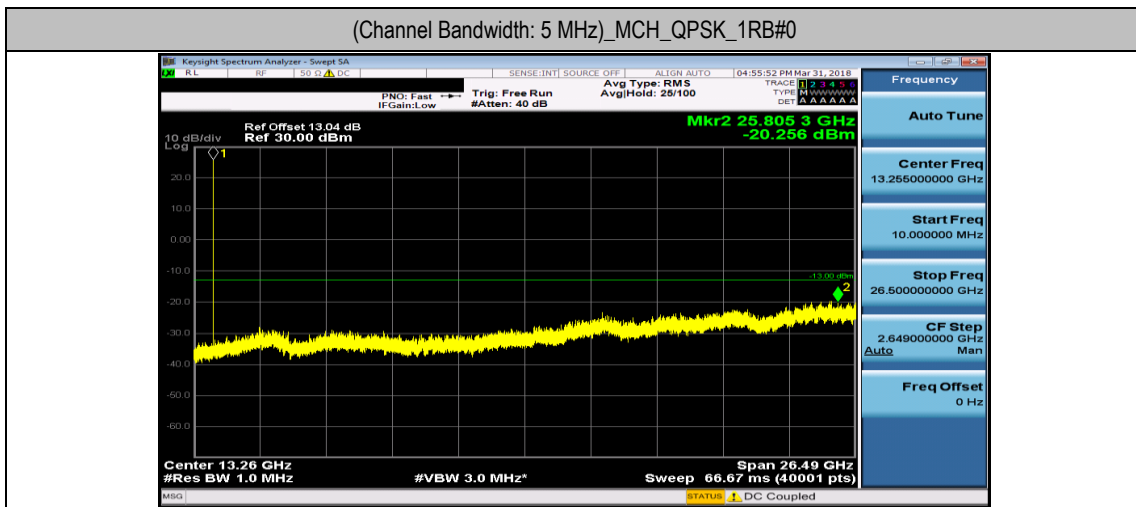
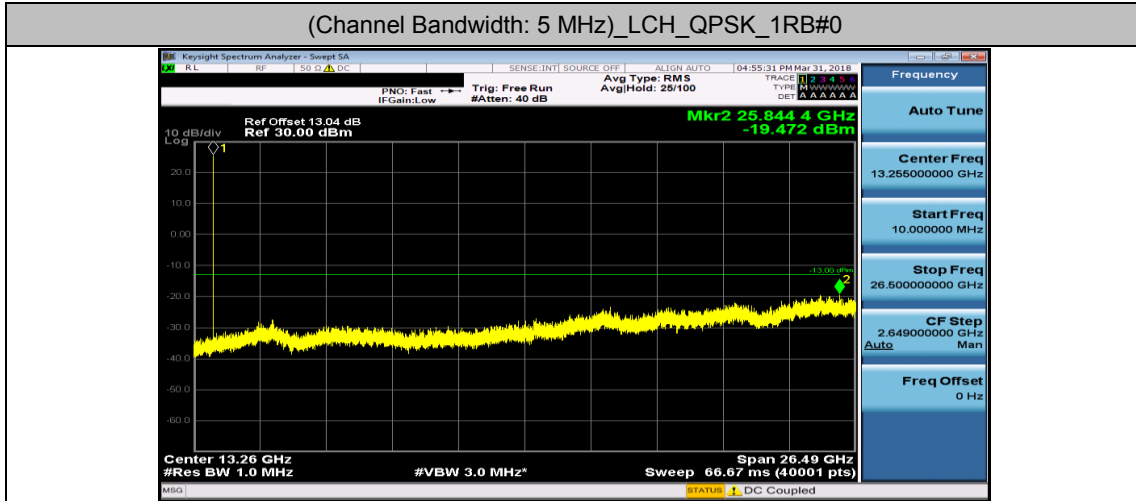


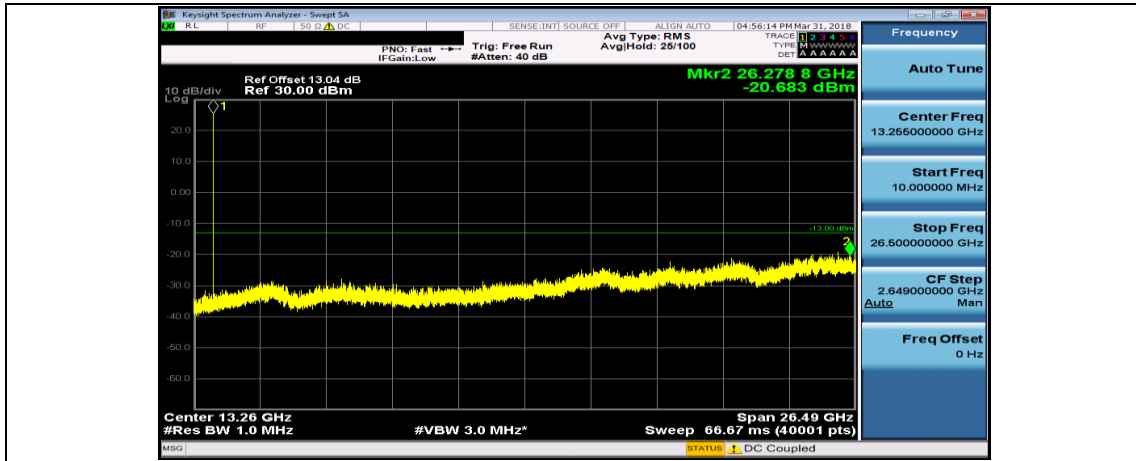


## Appendix E: Conducted Spurious Emission

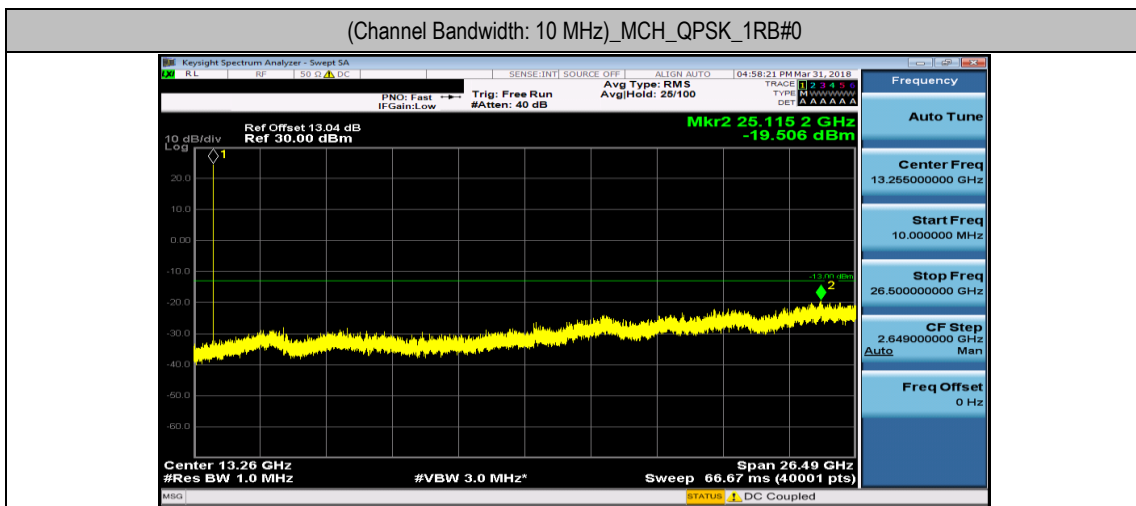
### Test Graphs

#### Channel Bandwidth: 5 MHz





Channel Bandwidth: 10 MHz





## Appendix F: Frequency Stability

### Test Result

#### Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.60	-0.000770	± 2.5	PASS
		VN	TN	-0.40	-0.000513	± 2.5	PASS
		VH	TN	-2.60	-0.003335	± 2.5	PASS
	MCH	VL	TN	-1.80	-0.002302	± 2.5	PASS
		VN	TN	0.00	0.000000	± 2.5	PASS
		VH	TN	-0.20	-0.000256	± 2.5	PASS
	HCH	VL	TN	0.90	0.001147	± 2.5	PASS
		VN	TN	-0.30	-0.000382	± 2.5	PASS
		VH	TN	0.40	0.000510	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.60	-0.000770	± 2.5	PASS
		VN	-20	0.00	0.000000	± 2.5	PASS
		VN	-10	-0.90	-0.001155	± 2.5	PASS
		VN	0	-0.10	-0.000128	± 2.5	PASS
		VN	10	-1.90	-0.002437	± 2.5	PASS
		VN	20	-0.70	-0.000898	± 2.5	PASS
		VN	30	-0.30	-0.000385	± 2.5	PASS
		VN	40	-0.10	-0.000128	± 2.5	PASS
		VN	50	-1.60	-0.002053	± 2.5	PASS
	MCH	VN	-30	-1.10	-0.001407	± 2.5	PASS
		VN	-20	-0.10	-0.000128	± 2.5	PASS





		VN	-10	-1.70	-0.002174	± 2.5	PASS
		VN	0	-0.60	-0.000767	± 2.5	PASS
		VN	10	-0.40	-0.000512	± 2.5	PASS
		VN	20	-1.20	-0.001535	± 2.5	PASS
		VN	30	1.80	0.002302	± 2.5	PASS
		VN	40	1.30	0.001662	± 2.5	PASS
		VN	50	2.00	0.002558	± 2.5	PASS
	HCH	VN	-30	-1.20	-0.001530	± 2.5	PASS
		VN	-20	0.70	0.000892	± 2.5	PASS
		VN	-10	-1.00	-0.001275	± 2.5	PASS
		VN	0	-1.80	-0.002294	± 2.5	PASS
		VN	10	0.10	0.000127	± 2.5	PASS
		VN	20	0.50	0.000637	± 2.5	PASS
		VN	30	-1.30	-0.001657	± 2.5	PASS
		VN	40	-0.30	-0.000382	± 2.5	PASS
		VN	50	0.80	0.001020	± 2.5	PASS

### Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	MCH	VL	TN	-2.60	-0.003325	± 2.5	PASS
		VN	TN	1.30	0.001662	± 2.5	PASS
		VH	TN	0.90	0.001151	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	MCH	VN	-30	-0.10	-0.000128	± 2.5	PASS
		VN	-20	0.00	0.000000	± 2.5	PASS
		VN	-10	0.20	0.000256	± 2.5	PASS
		VN	0	-2.30	-0.002941	± 2.5	PASS
		VN	10	-0.20	-0.000256	± 2.5	PASS
		VN	20	-0.50	-0.000639	± 2.5	PASS
		VN	30	0.20	0.000256	± 2.5	PASS
		VN	40	-1.20	-0.001535	± 2.5	PASS
		VN	50	0.10	0.000128	± 2.5	PASS