

## Appendix A: Test Data for E-UTRA Band 2

Product Name: LTE GSM/WCDMA Smartphone

Trade Mark: DOOGEE

Test Model: S80 Lite

### Environmental Conditions

Temperature:	23.6 ° C
Relative Humidity:	53.6%
ATM Pressure:	100.0 kPa
Test Engineer:	WANGCHUANG
Supervised by:	Jayden Zhuo

### A.1 Conducted Output Power

Conducted Output Power Test Result (Channel Bandwidth: 1.4 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	24.67	24.00	PASS
		1	3	24.85	24.18	PASS
		1	5	24.77	24.01	PASS
		3	0	24.83	24.00	PASS
		3	2	24.86	24.00	PASS
		3	3	24.90	23.99	PASS
		6	0	23.76	22.76	PASS
	MCH	1	0	24.79	24.10	PASS
		1	3	24.84	24.23	PASS
		1	5	24.78	24.12	PASS
		3	0	24.85	23.81	PASS
		3	2	24.85	23.85	PASS
		3	3	24.83	23.83	PASS
		6	0	23.83	22.75	PASS
	HCH	1	0	24.94	24.09	PASS
		1	3	25.04	24.27	PASS
		1	5	24.92	24.15	PASS
		3	0	24.99	24.04	PASS
		3	2	25.06	24.06	PASS
		3	3	25.00	24.05	PASS
		6	0	23.98	23.08	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	24.84	24.12	PASS
		1	7	25.08	24.36	PASS
		1	14	24.90	24.21	PASS
		8	0	23.88	22.90	PASS
		8	4	23.88	22.97	PASS
		8	7	23.87	22.93	PASS
		15	0	23.86	22.79	PASS
	MCH	1	0	24.72	24.03	PASS
		1	7	24.96	24.22	PASS
		1	14	24.79	24.06	PASS
		8	0	23.82	22.87	PASS
		8	4	23.83	22.93	PASS
		8	7	23.81	22.84	PASS
		15	0	23.77	22.77	PASS
	HCH	1	0	24.92	24.24	PASS
		1	7	25.18	24.48	PASS
		1	14	24.96	24.32	PASS
		8	0	24.01	22.97	PASS
		8	4	24.03	22.96	PASS
		8	7	23.97	22.94	PASS
		15	0	23.94	22.91	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	24.78	23.93	PASS
		1	12	25.11	24.30	PASS
		1	24	24.89	23.89	PASS
		12	0	23.61	22.62	PASS
		12	6	23.65	22.99	PASS
		12	13	23.56	22.68	PASS
		25	0	23.40	22.48	PASS
	MCH	1	0	24.52	24.00	PASS
		1	12	24.93	24.34	PASS
		1	24	24.45	24.04	PASS
		12	0	23.83	22.94	PASS
		12	6	23.87	23.00	PASS
		12	13	23.82	22.90	PASS
		25	0	23.80	22.84	PASS
	HCH	1	0	24.85	23.59	PASS
		1	12	25.26	24.04	PASS
		1	24	24.95	23.58	PASS
		12	0	23.80	22.76	PASS
		12	6	23.86	22.95	PASS
		12	13	23.55	22.83	PASS
		25	0	23.56	22.67	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	24.54	23.59	PASS
		1	24	24.76	23.90	PASS
		1	49	24.40	23.71	PASS
		25	0	23.42	22.43	PASS
		25	12	23.47	22.51	PASS
		25	25	23.59	22.61	PASS
		50	0	23.51	22.48	PASS
	MCH	1	0	24.13	23.39	PASS
		1	24	24.53	23.83	PASS
		1	49	24.21	23.51	PASS
		25	0	23.79	22.84	PASS
		25	12	23.65	22.84	PASS
		25	25	23.73	22.74	PASS
		50	0	23.88	22.83	PASS
	HCH	1	0	24.56	23.36	PASS
		1	24	24.98	23.86	PASS
		1	49	24.41	23.78	PASS
		25	0	23.38	22.49	PASS
		25	12	23.33	22.48	PASS
		25	25	23.34	22.59	PASS
		50	0	23.51	22.38	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	24.34	23.56	PASS
		1	37	24.62	23.97	PASS
		1	74	24.21	23.48	PASS
		37	0	23.41	22.39	PASS
		37	18	23.48	22.52	PASS
		37	38	23.49	22.42	PASS
		75	0	23.47	22.46	PASS
	MCH	1	0	24.02	23.25	PASS
		1	37	24.61	23.76	PASS
		1	74	24.00	23.32	PASS
		37	0	23.35	22.36	PASS
		37	18	23.45	22.46	PASS
		37	38	23.32	22.56	PASS
		75	0	23.56	22.67	PASS
	HCH	1	0	23.98	23.08	PASS
		1	37	24.41	23.64	PASS
		1	74	24.34	23.62	PASS
		37	0	22.95	22.02	PASS
		37	18	23.31	22.29	PASS
		37	38	23.40	22.38	PASS
		75	0	23.23	22.18	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	24.25	23.40	PASS
		1	49	24.76	23.95	PASS
		1	99	24.04	23.15	PASS
		50	0	23.33	22.34	PASS
		50	25	23.45	22.41	PASS
		50	50	23.40	22.41	PASS
		100	0	23.40	22.40	PASS
	MCH	1	0	24.08	23.21	PASS
		1	49	24.61	23.76	PASS
		1	99	23.97	23.05	PASS
		50	0	23.30	22.24	PASS
		50	25	23.32	22.29	PASS
		50	50	23.12	22.09	PASS
		100	0	23.17	22.20	PASS
	HCH	1	0	23.89	23.24	PASS
		1	49	24.33	23.62	PASS
		1	99	24.35	23.61	PASS
		50	0	22.90	21.89	PASS
		50	25	23.10	22.11	PASS
		50	50	23.15	22.20	PASS
		100	0	22.98	21.99	PASS

**A.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	5.77	<13	PASS
	MCH	5.18	<13	PASS
	HCH	5.05	<13	PASS
16QAM	LCH	6.72	<13	PASS
	MCH	6.07	<13	PASS
	HCH	5.93	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.72	<13	PASS
	MCH	5.23	<13	PASS
	HCH	5.19	<13	PASS
16QAM	LCH	6.7	<13	PASS
	MCH	6.14	<13	PASS
	HCH	6	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.75	<13	PASS
	MCH	5.29	<13	PASS
	HCH	5.18	<13	PASS
16QAM	LCH	6.57	<13	PASS
	MCH	6.07	<13	PASS
	HCH	5.93	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.77	<13	PASS
	MCH	5.35	<13	PASS
	HCH	5.13	<13	PASS
16QAM	LCH	6.47	<13	PASS
	MCH	6.09	<13	PASS
	HCH	5.88	<13	PASS

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

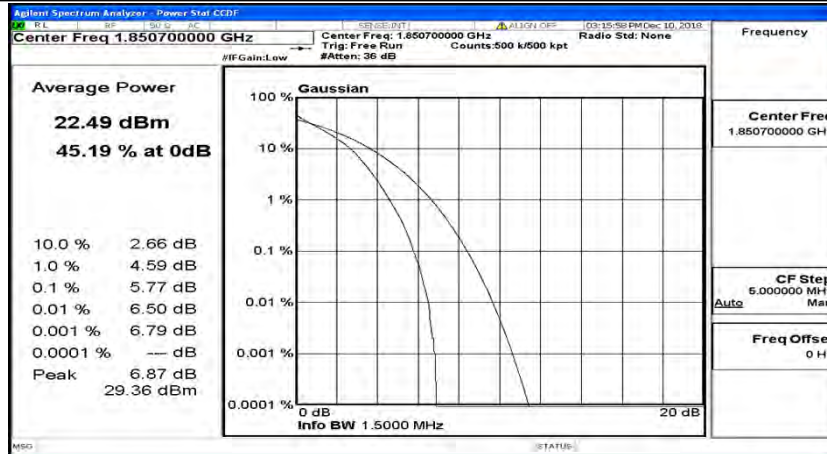
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.04	<13	PASS
	MCH	4.95	<13	PASS
	HCH	4.92	<13	PASS
16QAM	LCH	6.34	<13	PASS
	MCH	6.23	<13	PASS
	HCH	6.11	<13	PASS

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

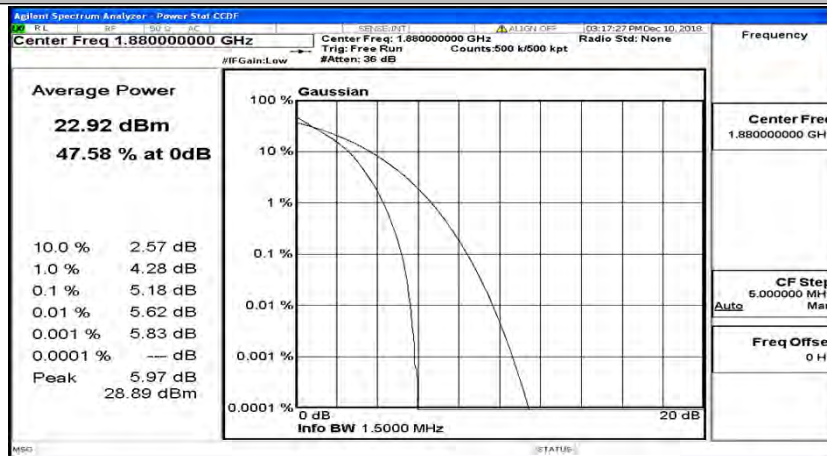
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.85	<13	PASS
	MCH	5.71	<13	PASS
	HCH	5.79	<13	PASS
16QAM	LCH	6.84	<13	PASS
	MCH	6.76	<13	PASS
	HCH	6.68	<13	PASS



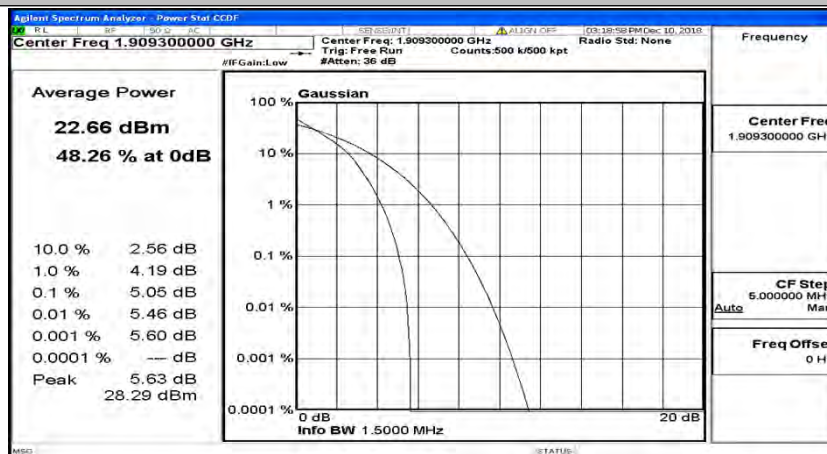
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK



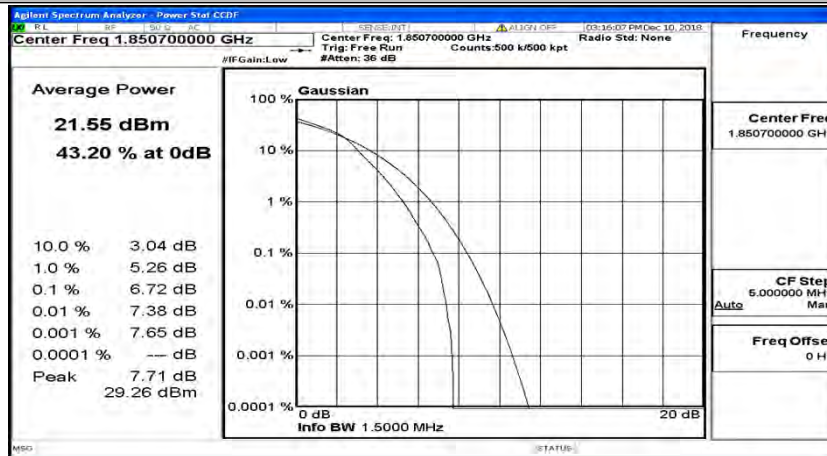
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK



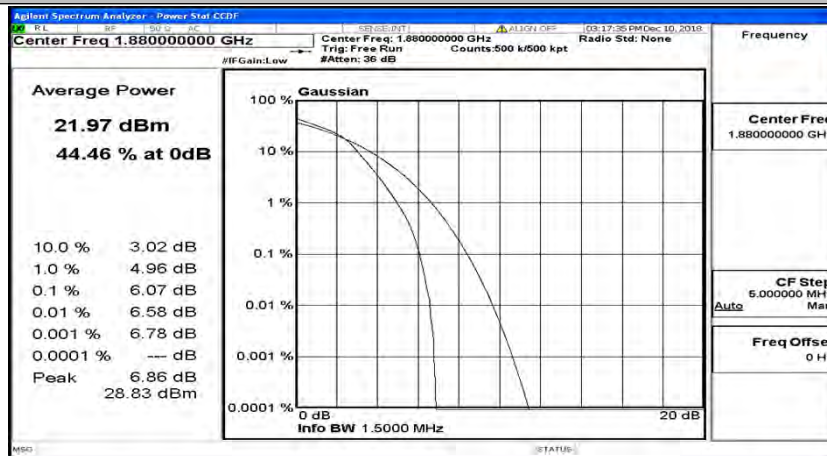
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK



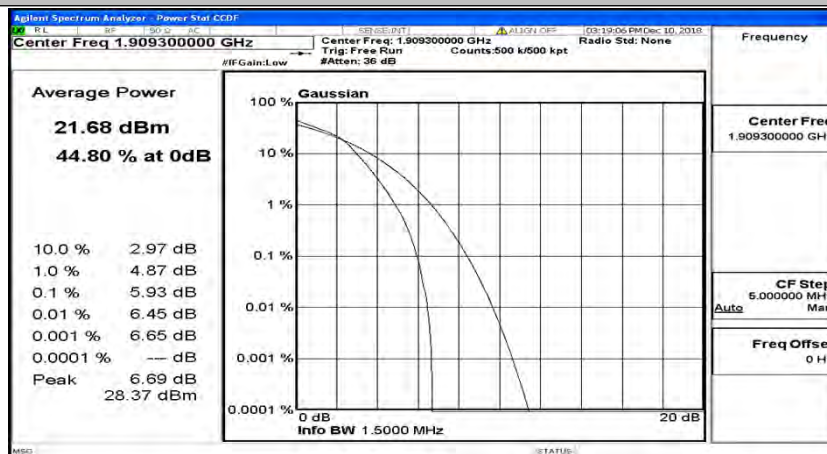
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM



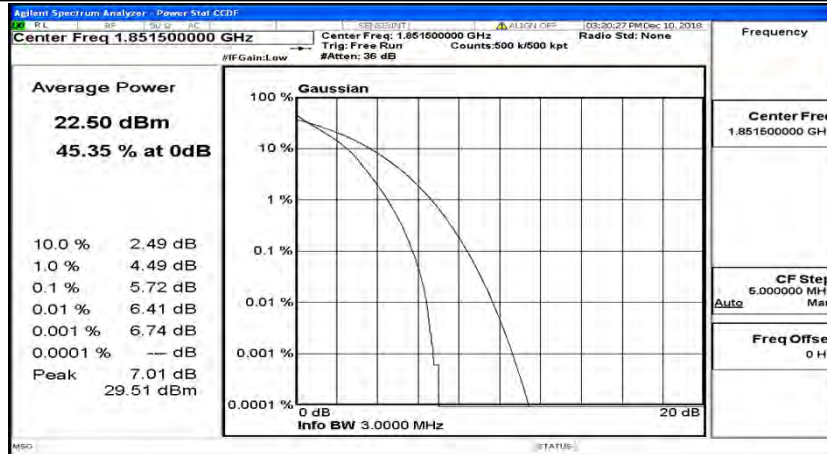
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM



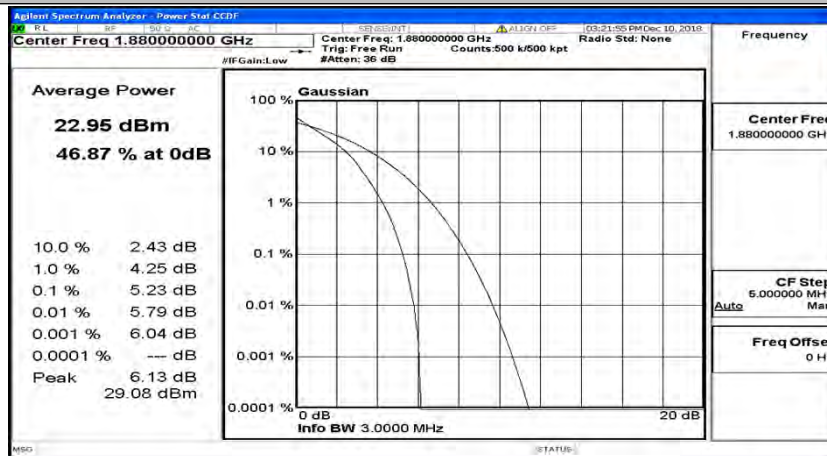
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM



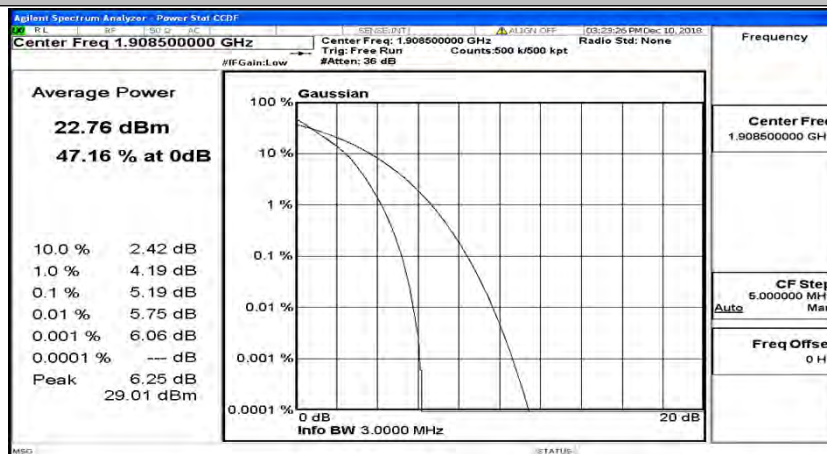
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_QPSK



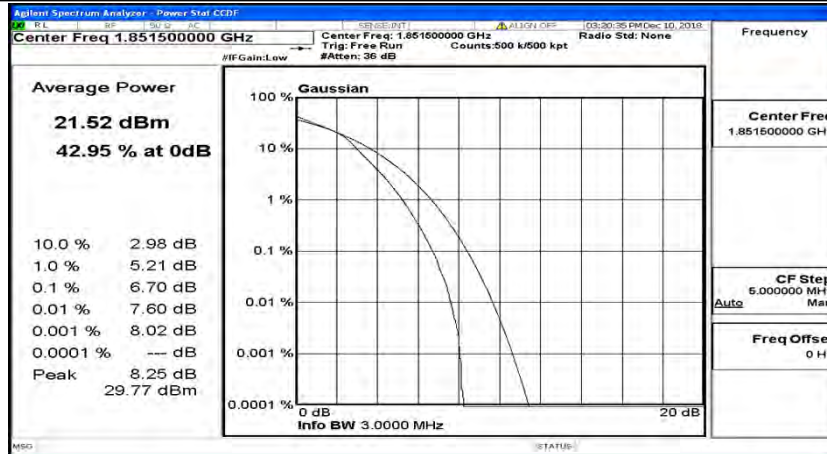
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_MCH\_QPSK



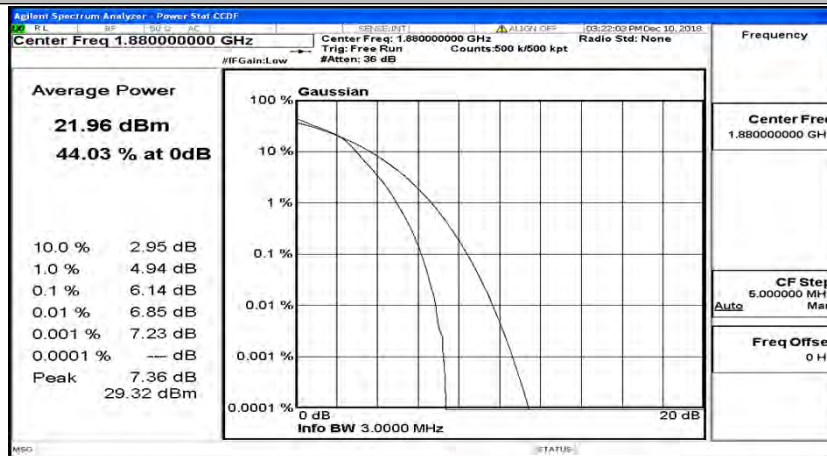
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_QPSK



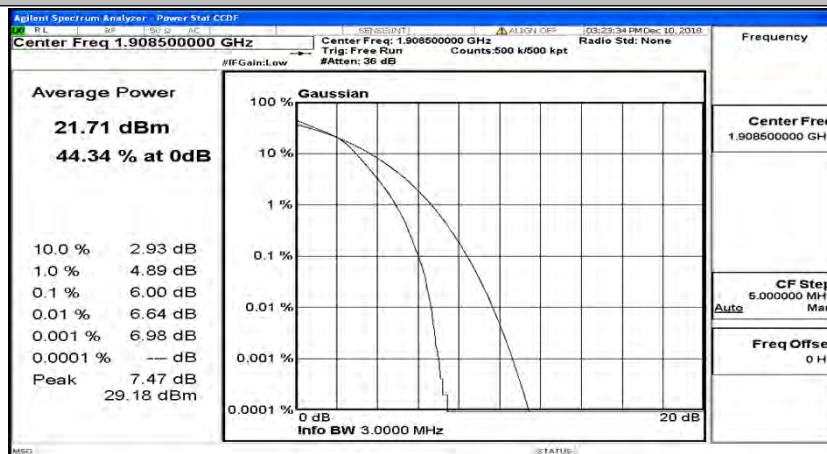
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_16QAM



## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_MCH\_16QAM

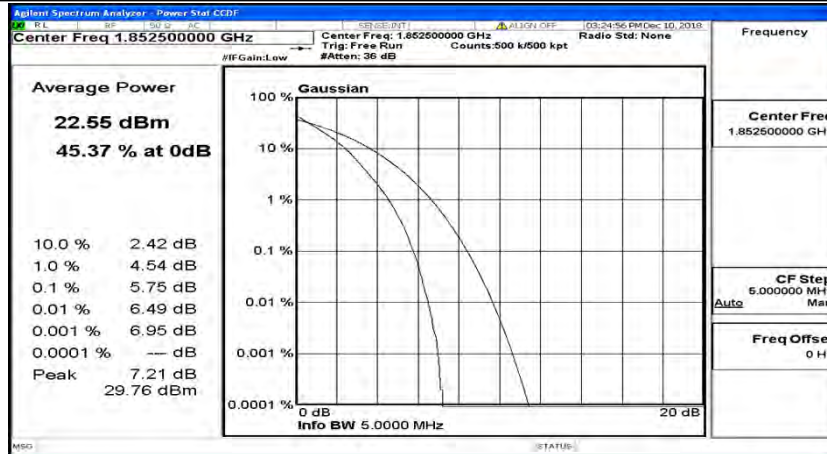


## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_16QAM

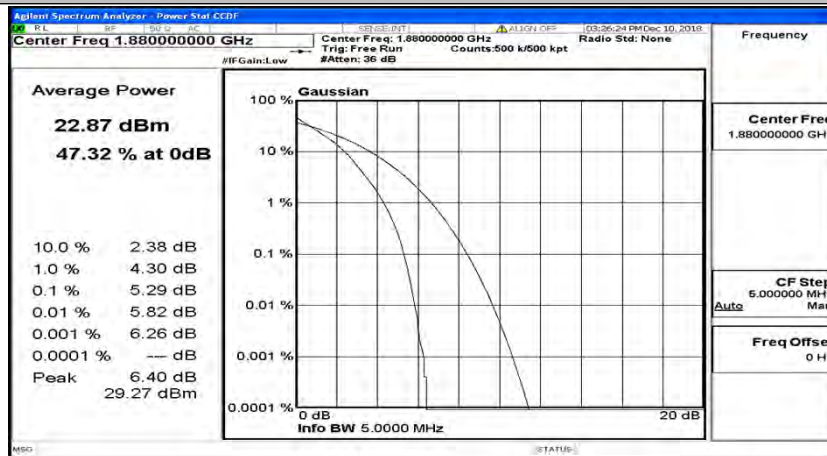




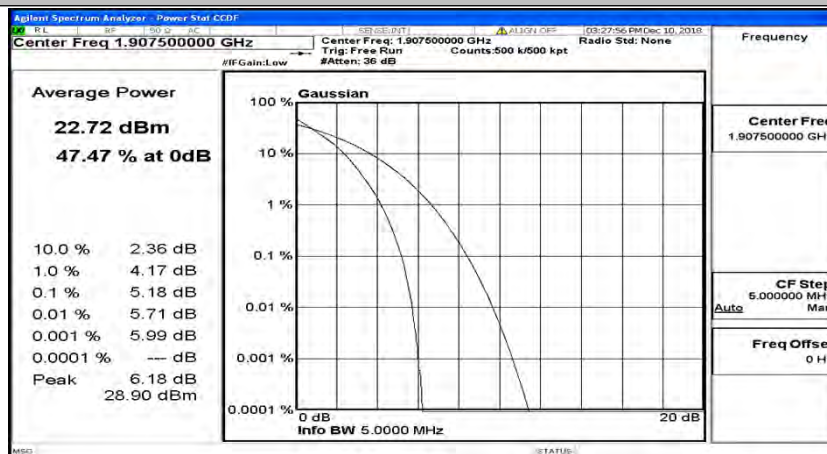
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_QPSK



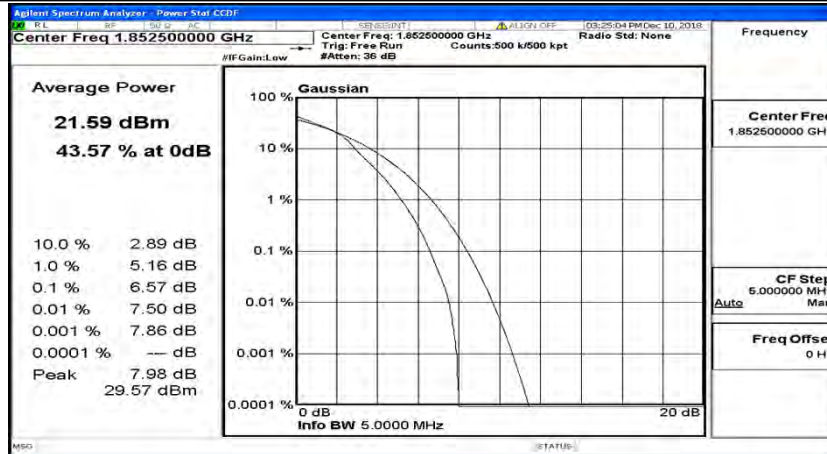
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_QPSK



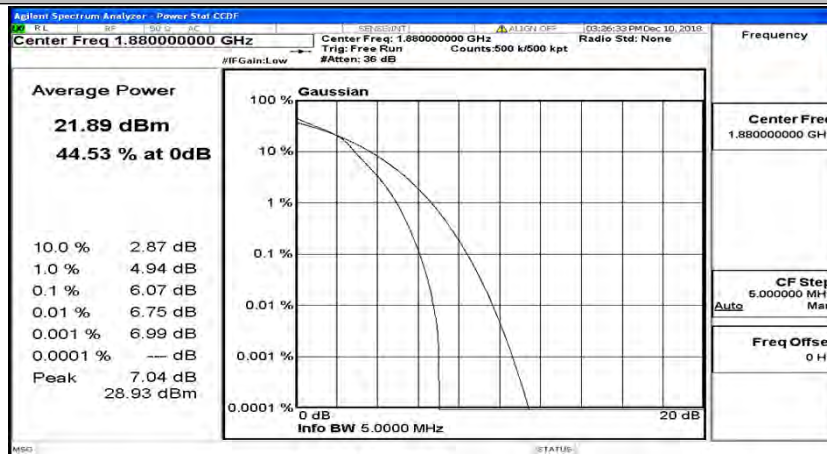
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_QPSK



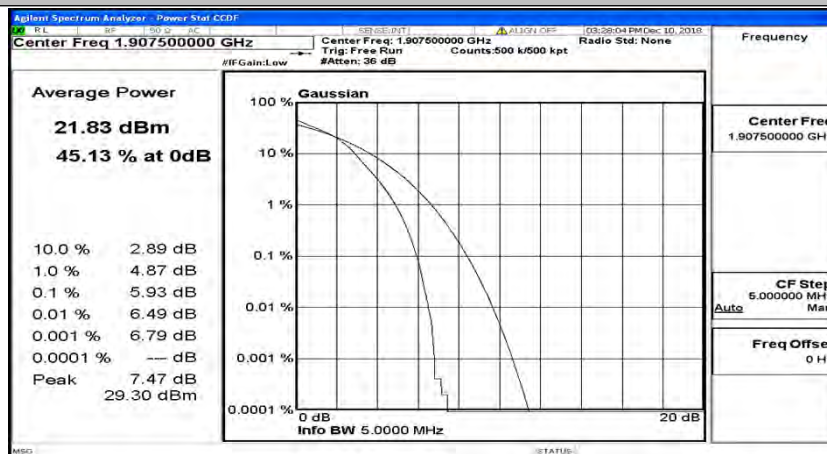
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_16QAM



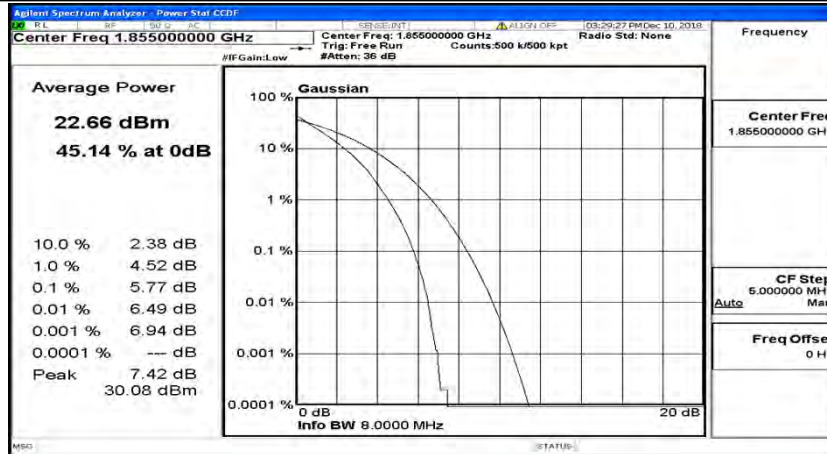
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_16QAM



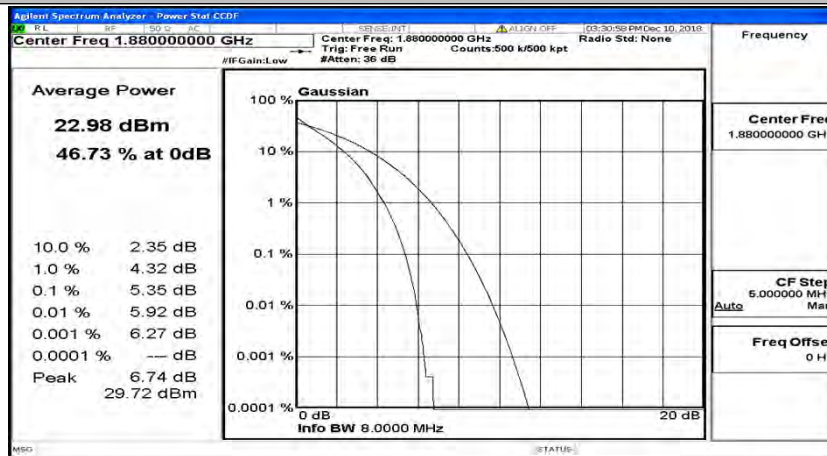
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM



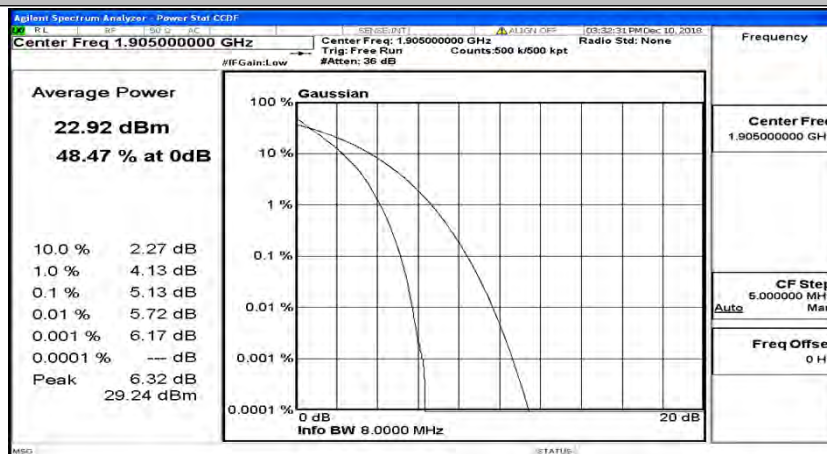
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK



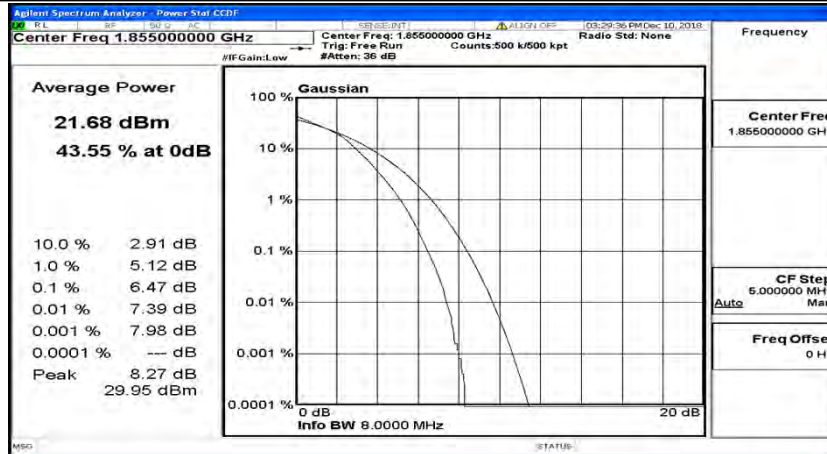
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_QPSK



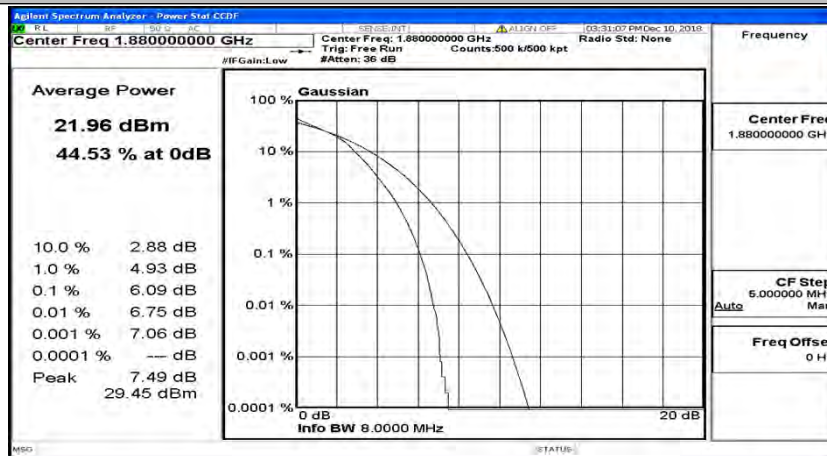
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_QPSK



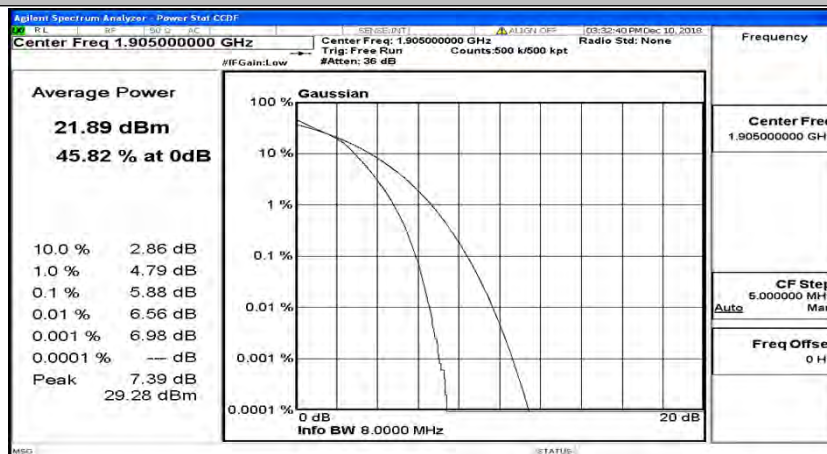
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_16QAM



## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_16QAM

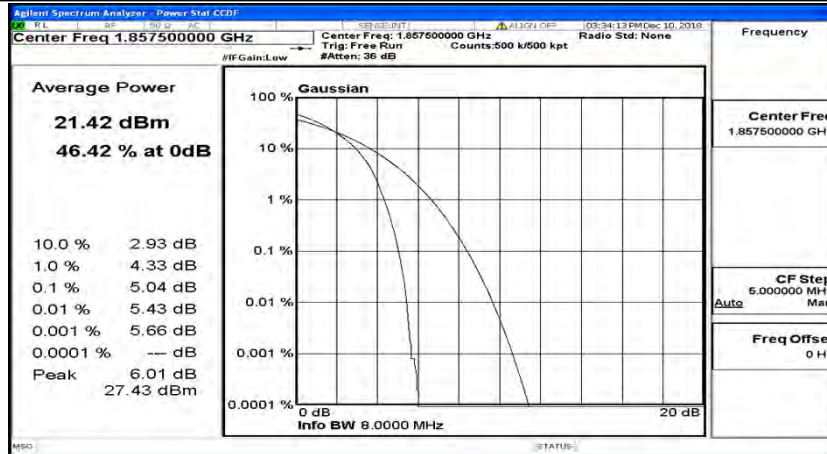


## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_16QAM

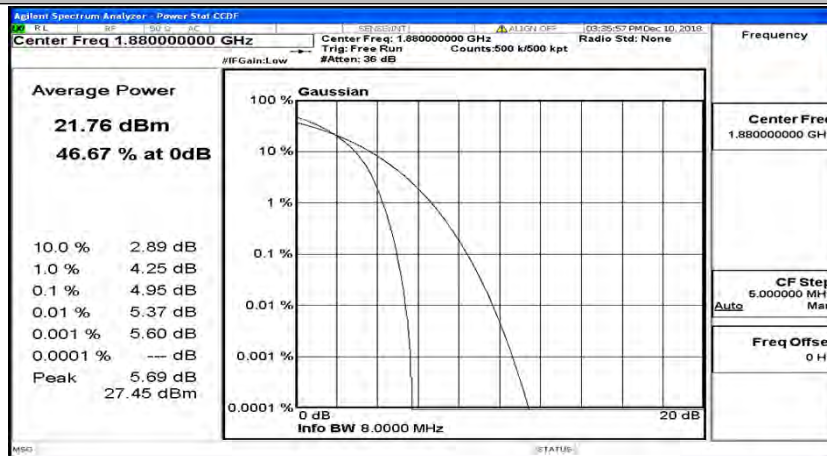




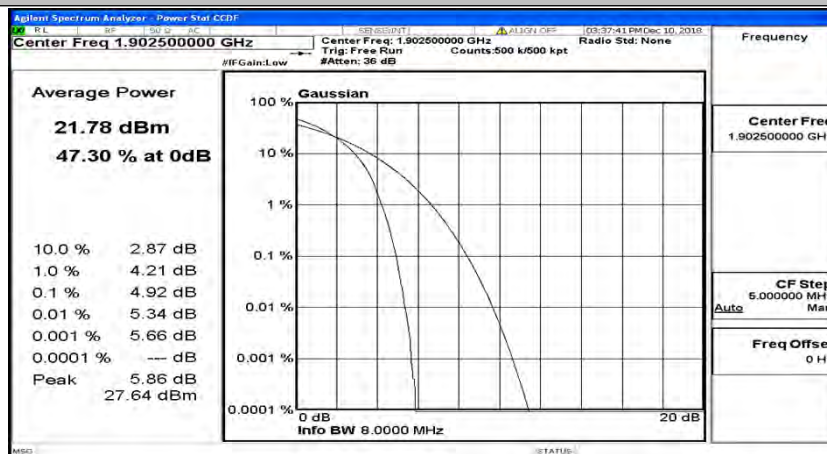
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_QPSK



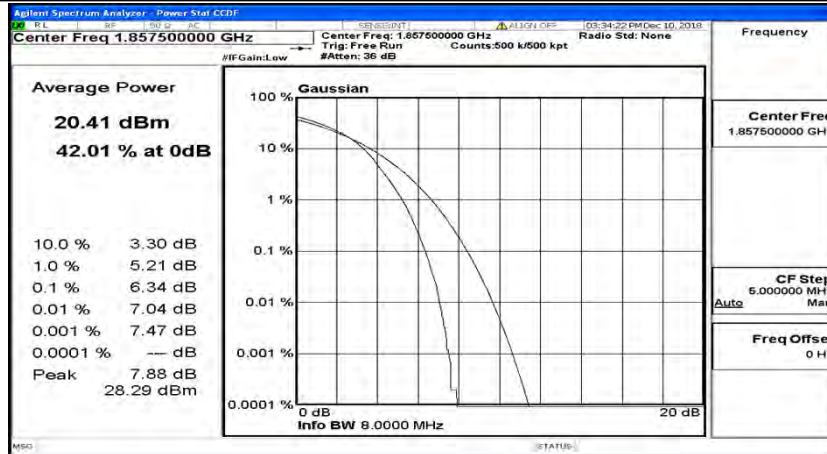
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_MCH\_QPSK



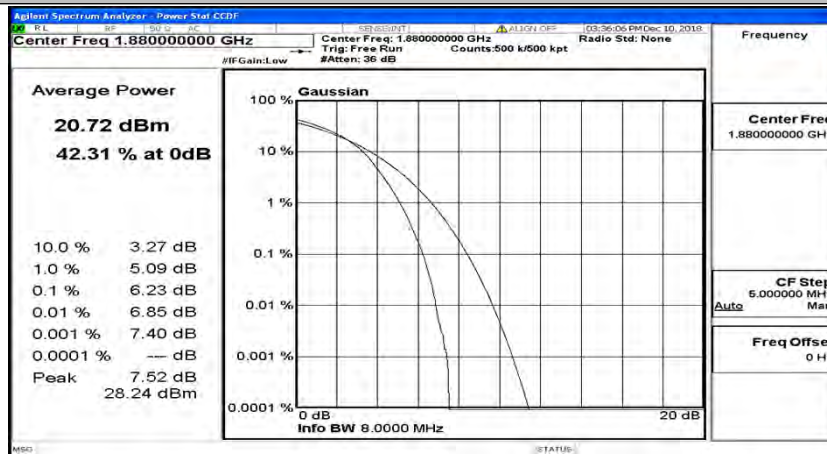
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_QPSK



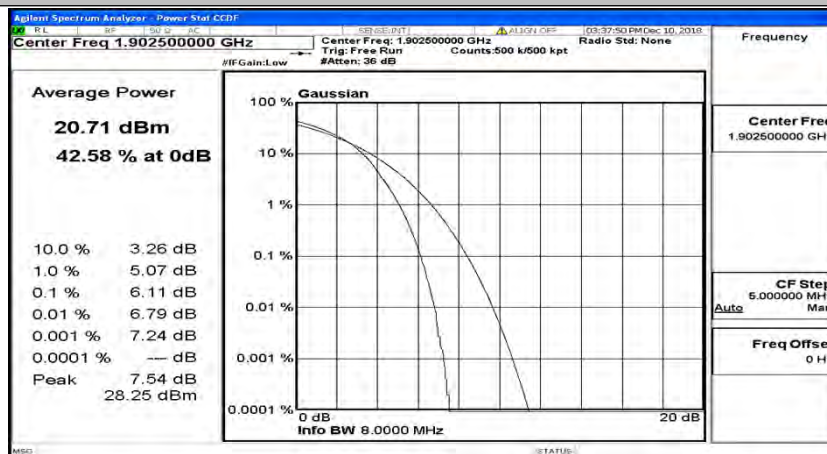
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_16QAM



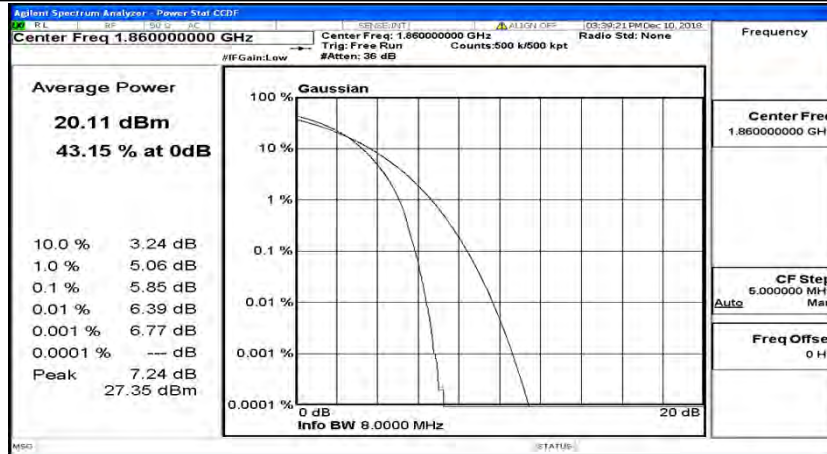
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_MCH\_16QAM



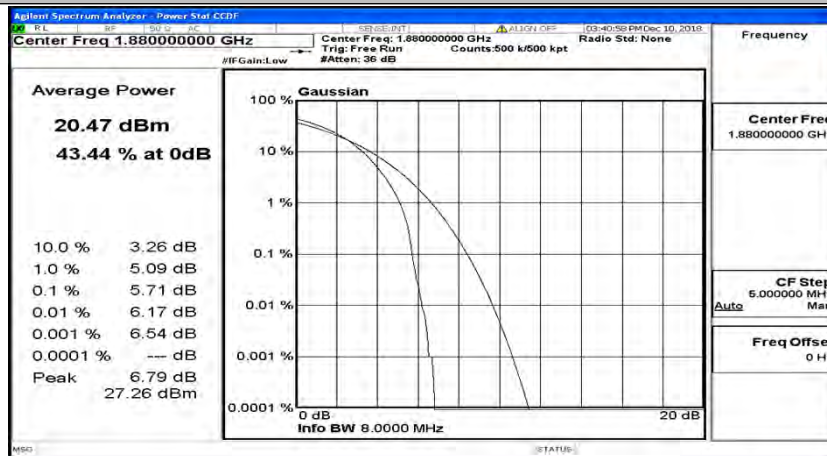
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_16QAM



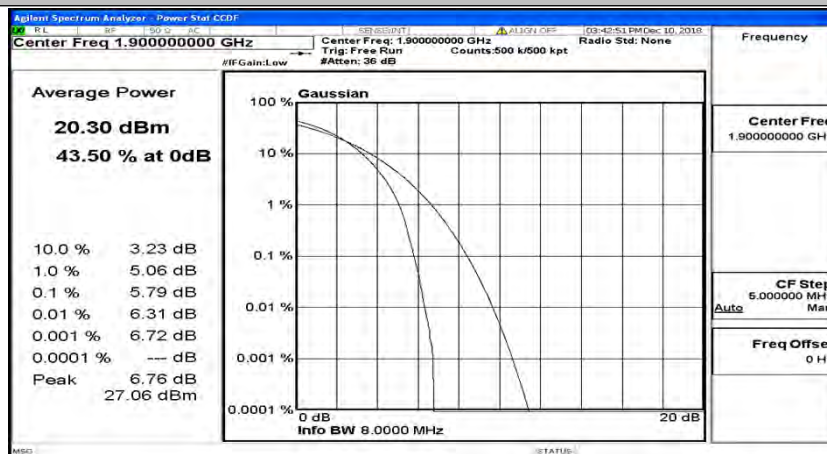
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz) \_LCH\_QPSK



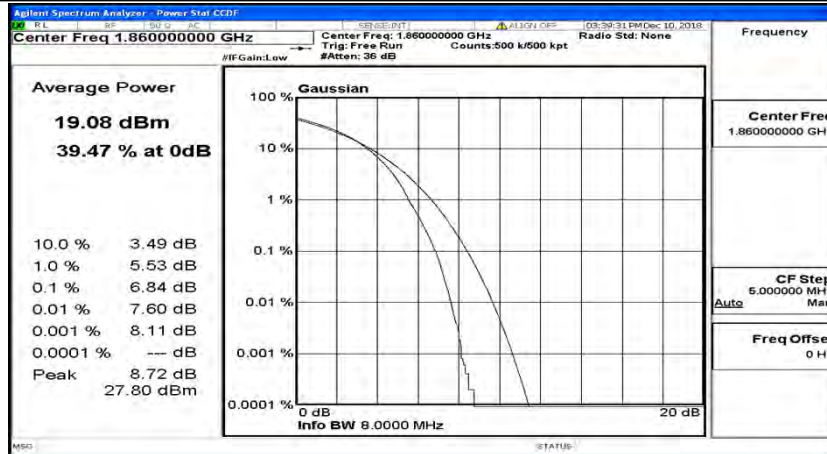
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz) \_MCH\_QPSK



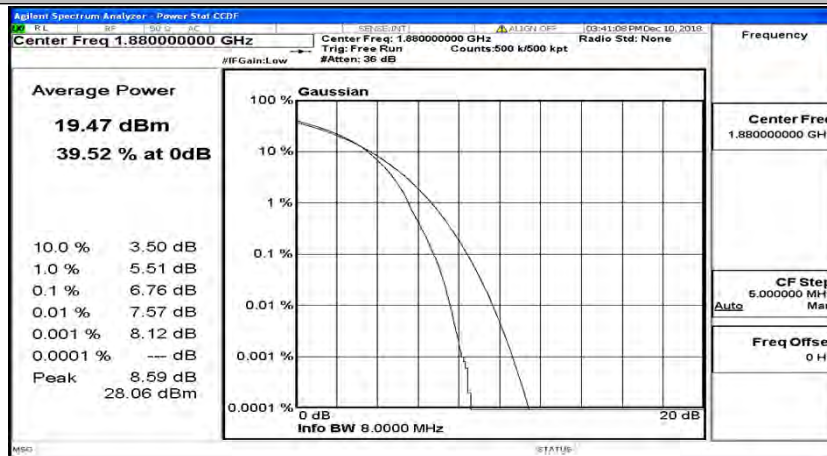
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz) \_HCH\_QPSK



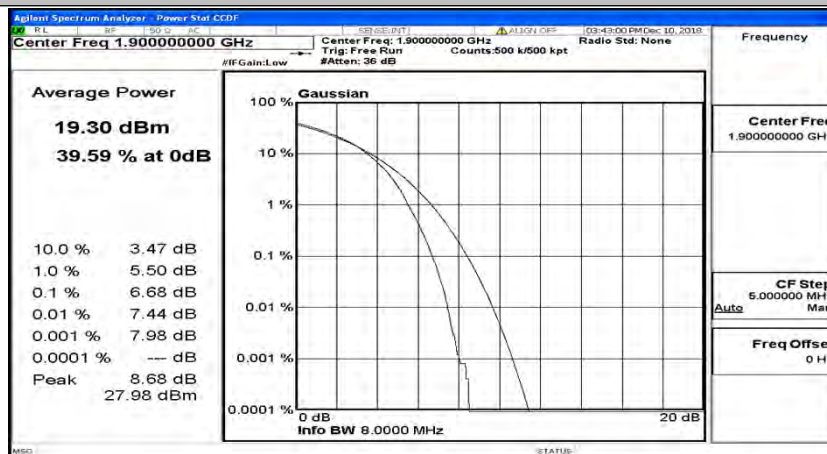
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_16QAM



## 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





**A.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	1.0752	1.230	PASS
	MCH	1.0739	1.230	PASS
	HCH	1.0780	1.230	PASS
16QAM	LCH	1.0808	1.229	PASS
	MCH	1.0782	1.232	PASS
	HCH	1.0733	1.241	PASS

EBW & OBW Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	2.6757	2.826	PASS
	MCH	2.6795	2.824	PASS
	HCH	2.6762	2.820	PASS
16QAM	LCH	2.6823	2.843	PASS
	MCH	2.6775	2.828	PASS
	HCH	2.6748	2.839	PASS

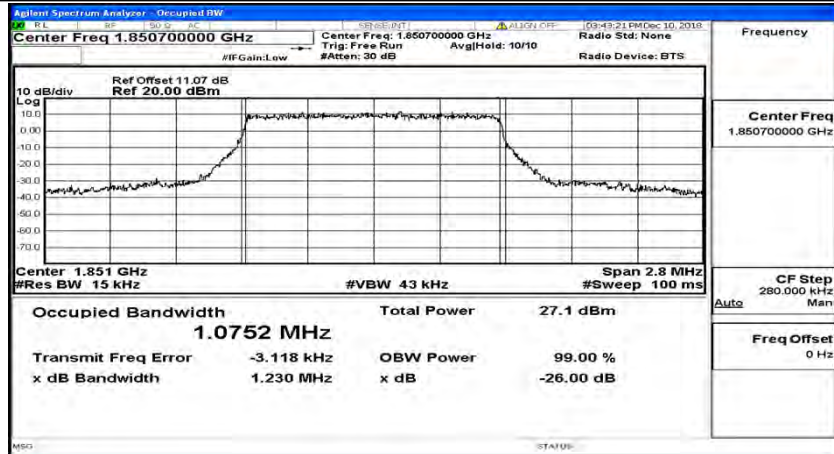
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4750	4.829	PASS
	MCH	4.4750	4.842	PASS
	HCH	4.4743	4.812	PASS
16QAM	LCH	4.4787	4.867	PASS
	MCH	4.4763	4.808	PASS
	HCH	4.4794	4.915	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9401	9.537	PASS
	MCH	8.9459	9.584	PASS
	HCH	8.9363	9.493	PASS
16QAM	LCH	8.9511	9.583	PASS
	MCH	8.9437	9.463	PASS
	HCH	8.9374	9.414	PASS

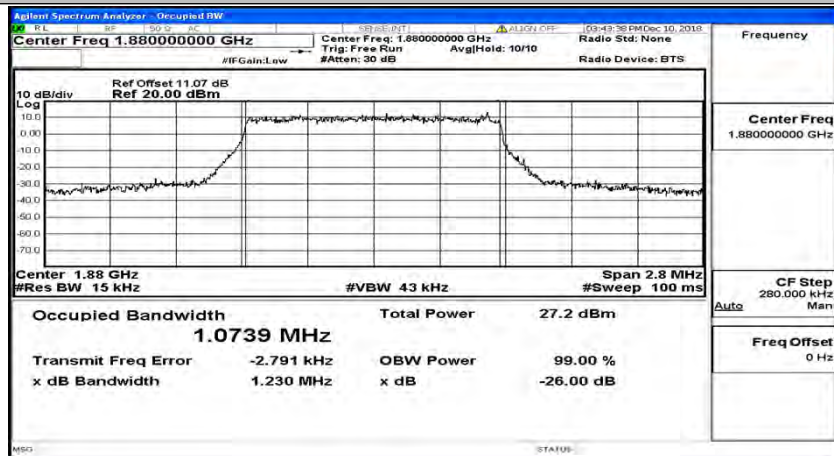
EBW & OBW Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	13.415	14.05	PASS
	MCH	13.419	14.06	PASS
	HCH	13.387	14.08	PASS
16QAM	LCH	13.412	14.03	PASS
	MCH	13.398	14.11	PASS
	HCH	13.372	14.05	PASS

EBW & OBW Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	17.861	18.60	PASS
	MCH	17.845	18.63	PASS
	HCH	17.820	18.63	PASS
16QAM	LCH	17.889	18.64	PASS
	MCH	17.848	18.60	PASS
	HCH	17.823	18.64	PASS

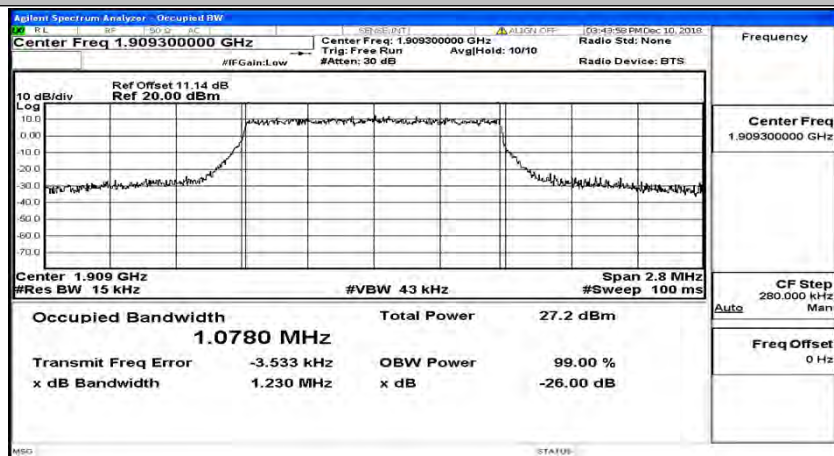
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK



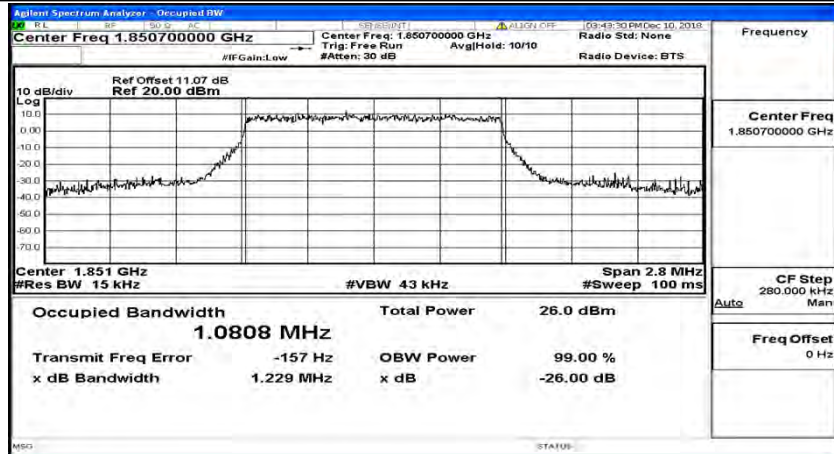
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK



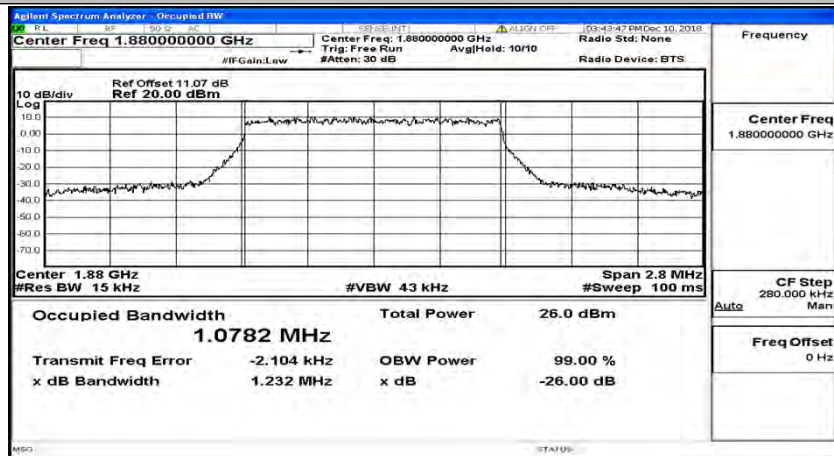
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK



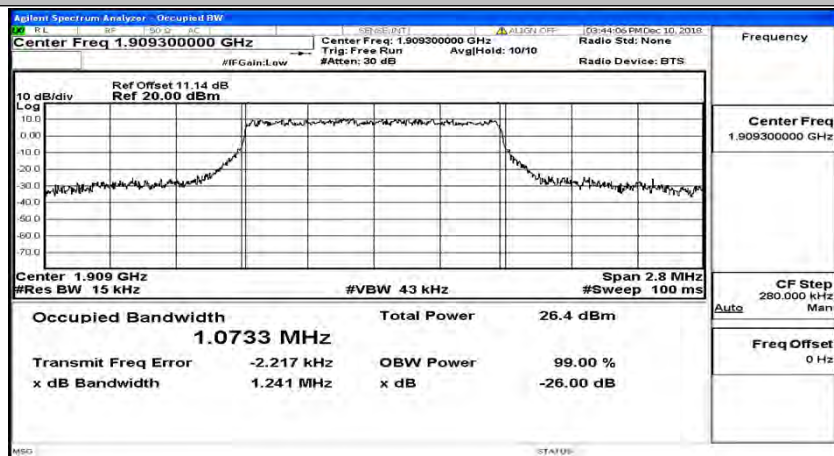
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM



## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM

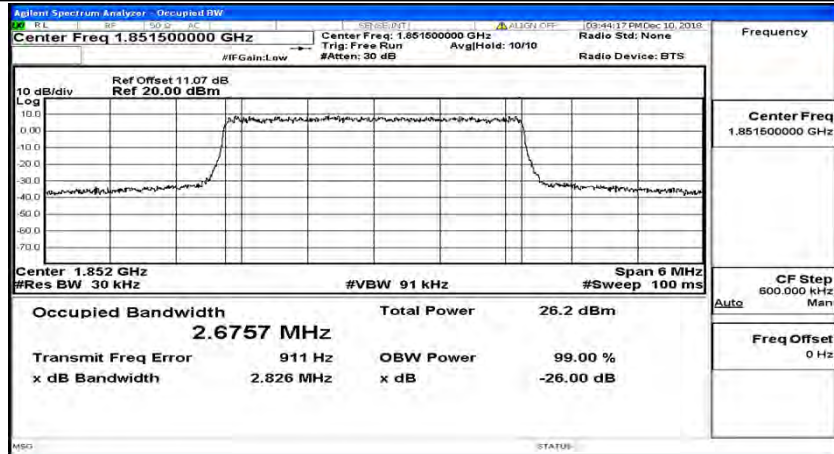


## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM

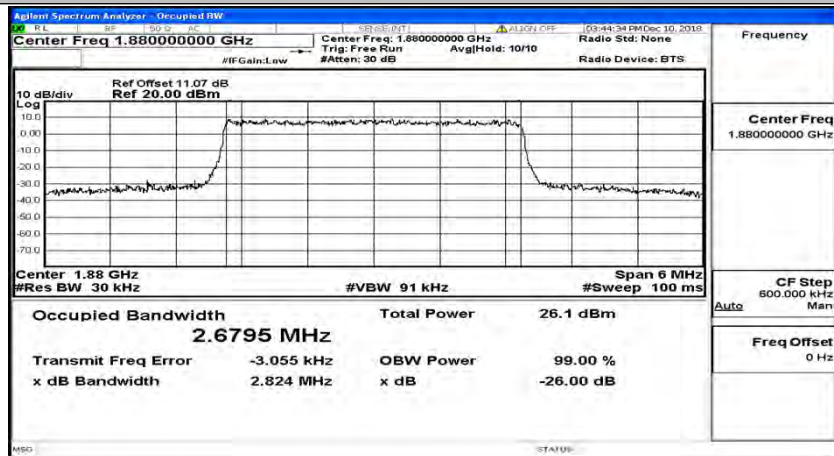




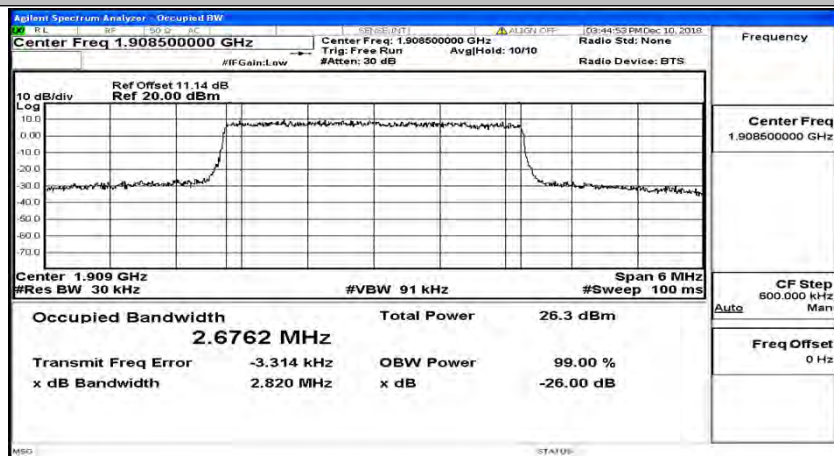
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_QPSK



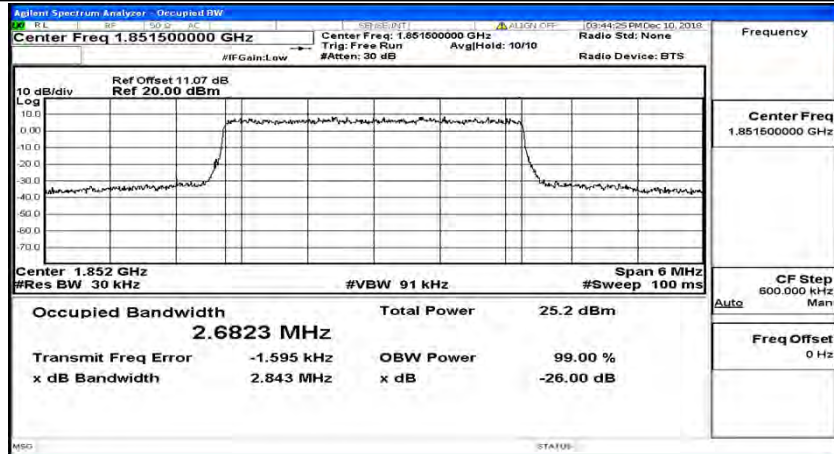
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_MCH\_QPSK



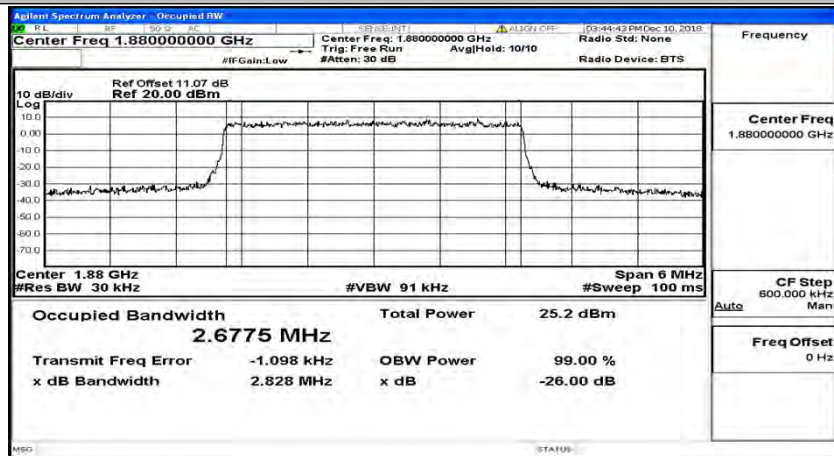
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_QPSK



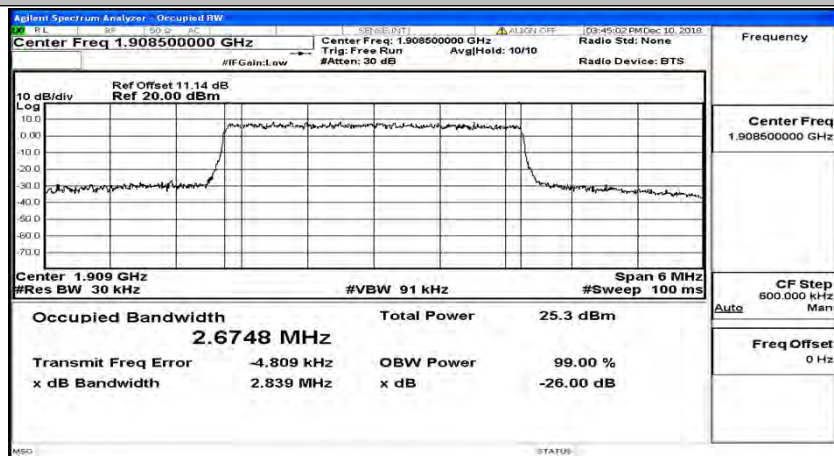
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_16QAM



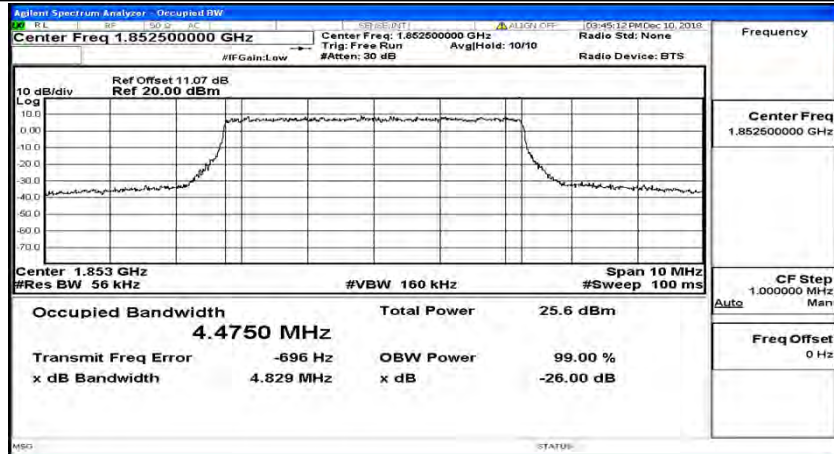
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_MCH\_16QAM



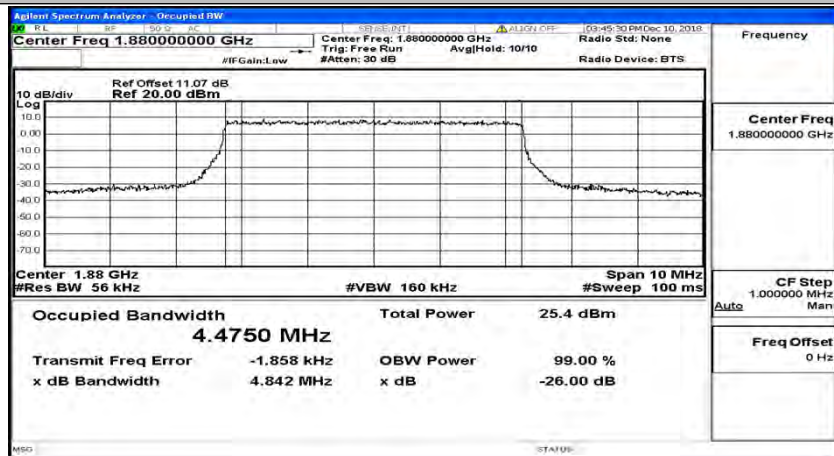
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_16QAM



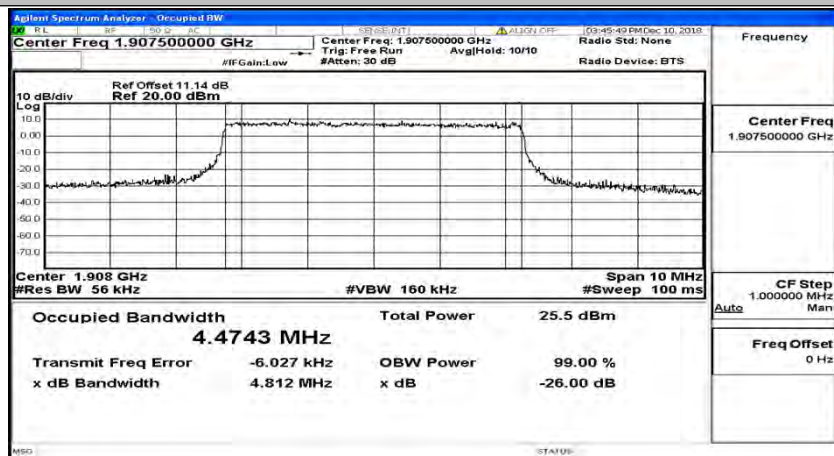
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_QPSK



## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_QPSK

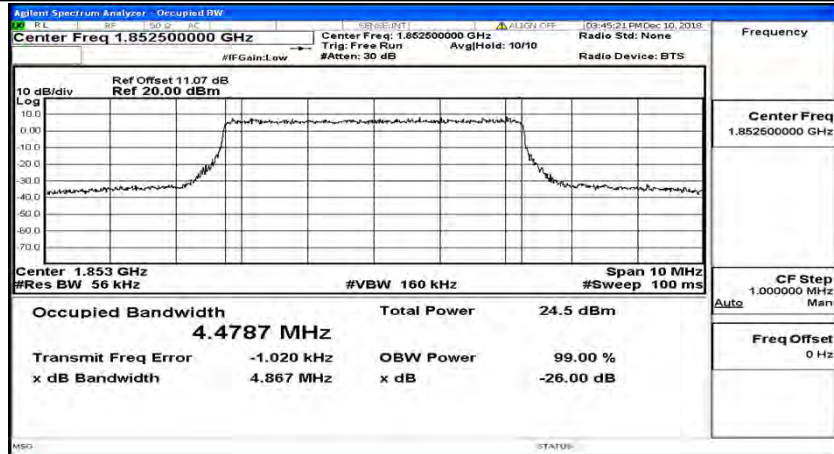


## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_QPSK

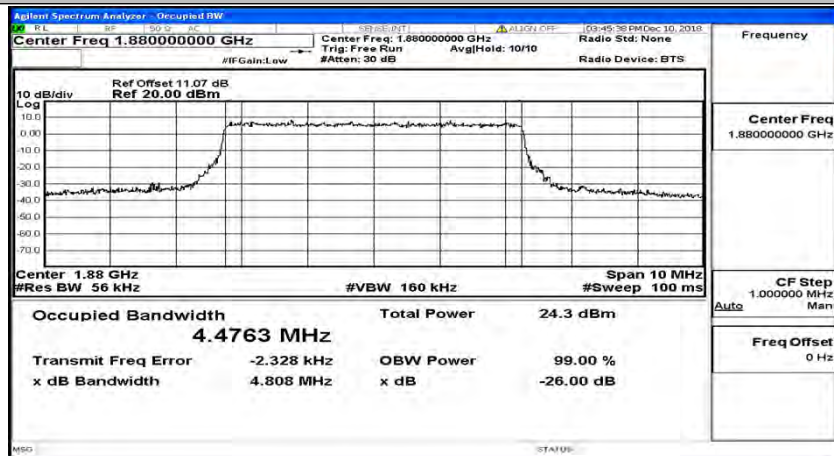




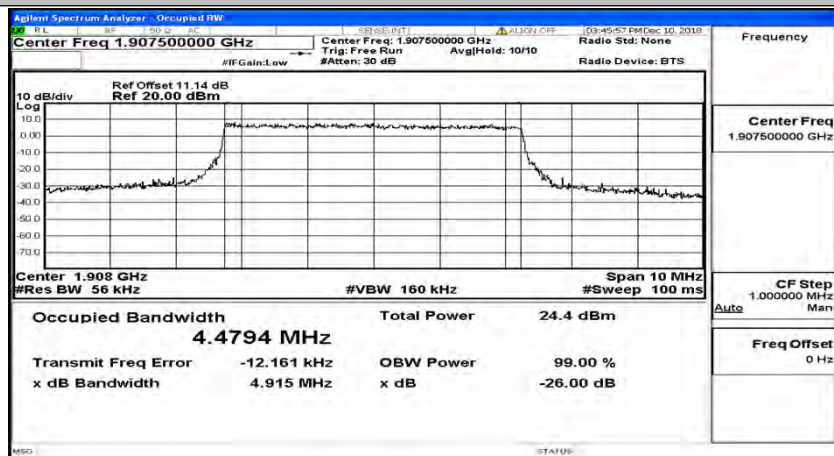
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_16QAM



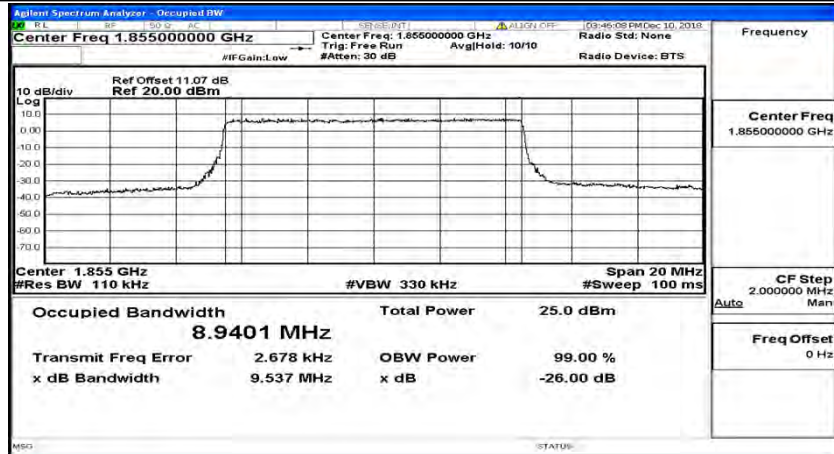
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_16QAM



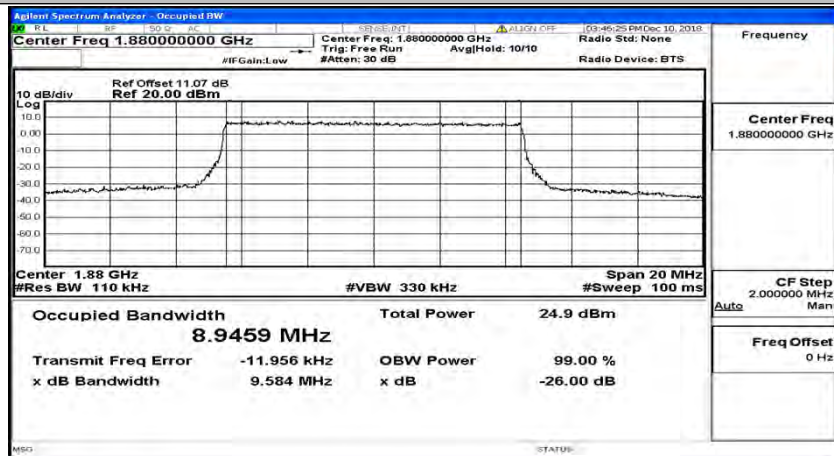
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM



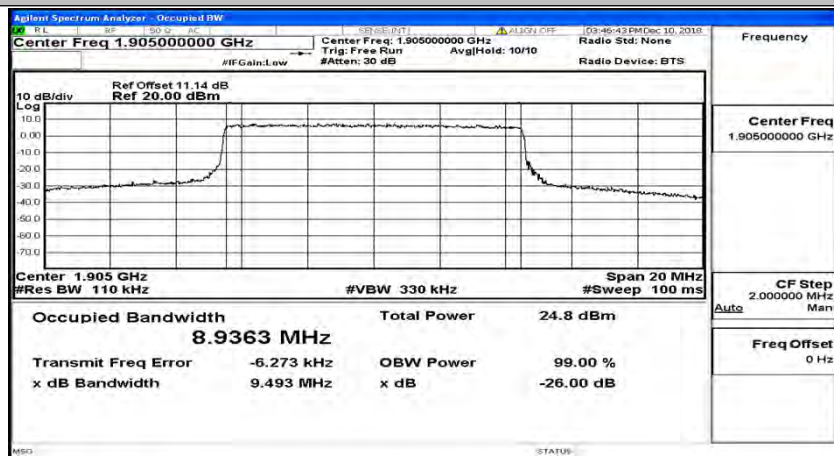
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK



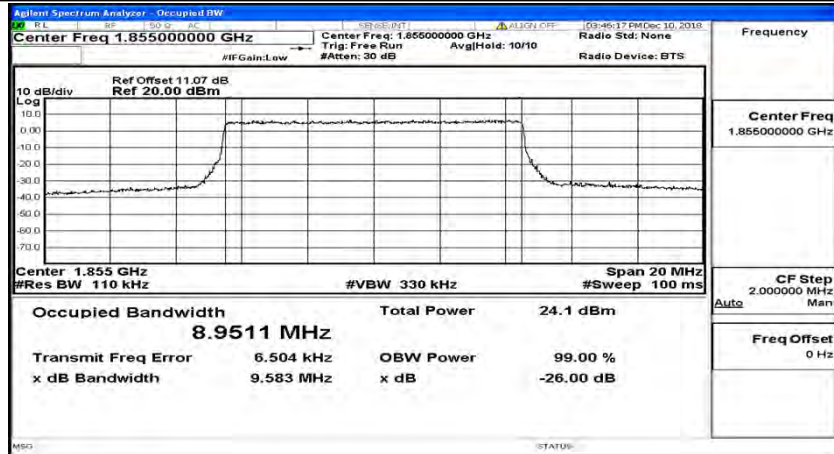
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_QPSK



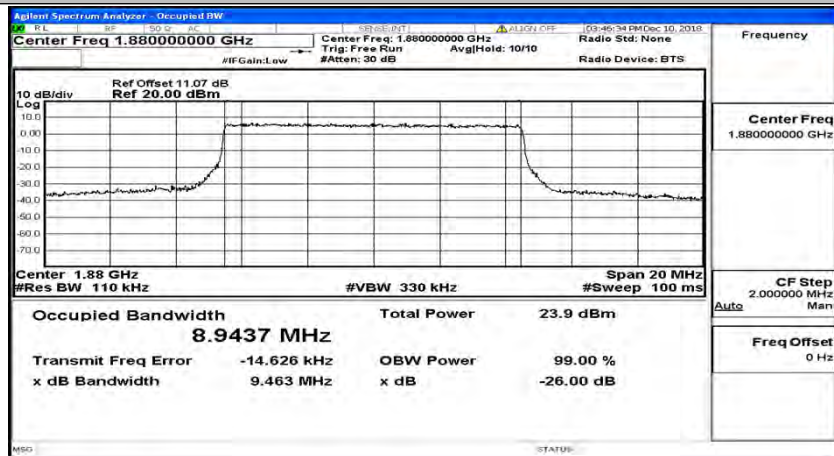
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_QPSK



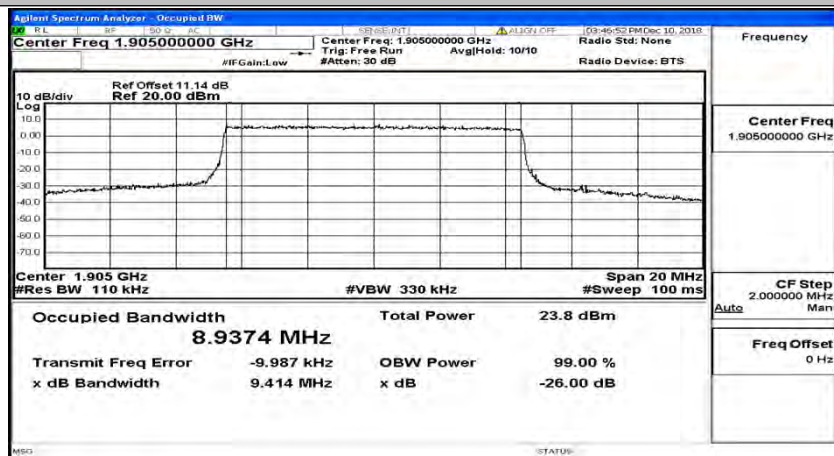
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_16QAM



## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_16QAM

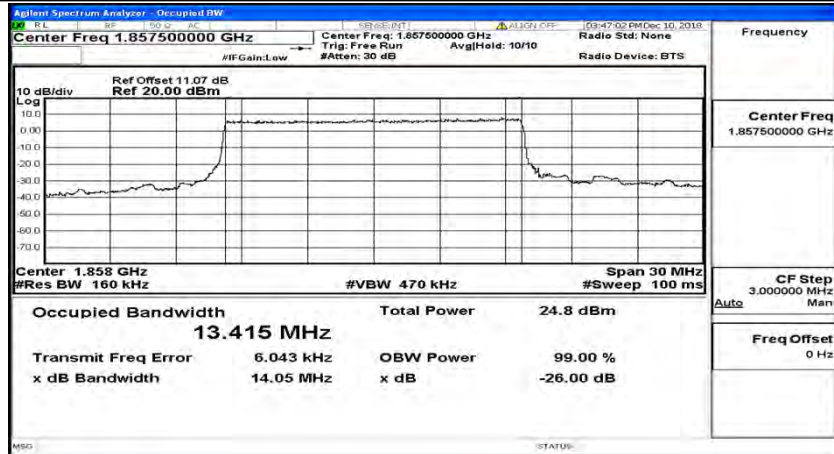


## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_16QAM

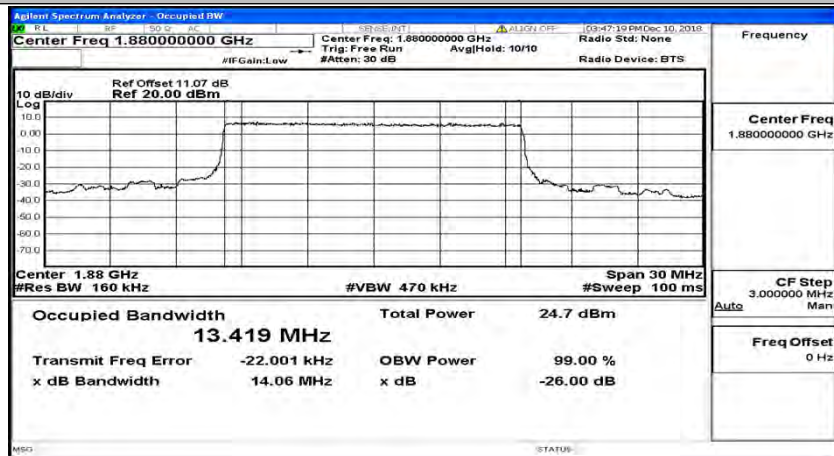




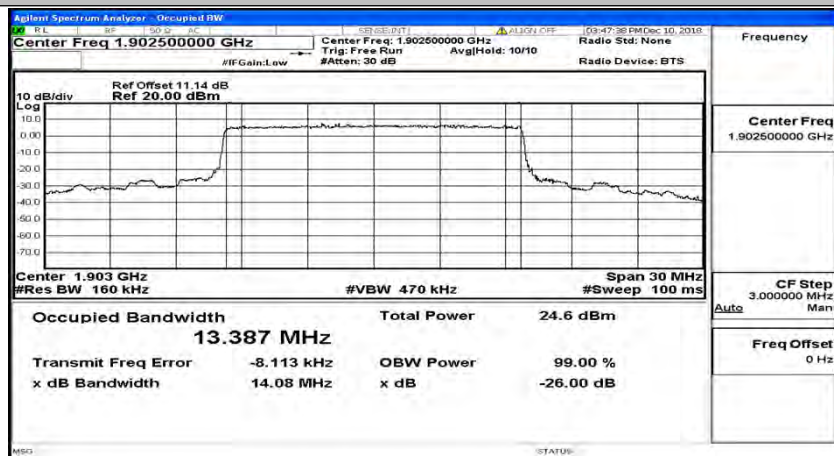
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_QPSK



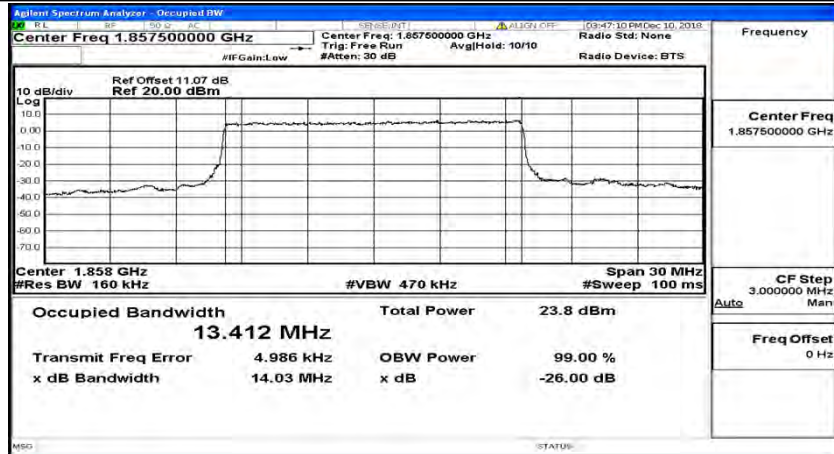
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_MCH\_QPSK



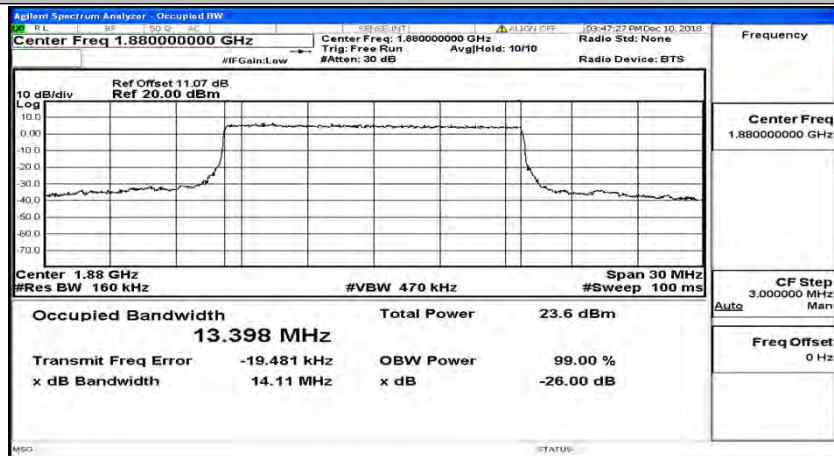
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_QPSK



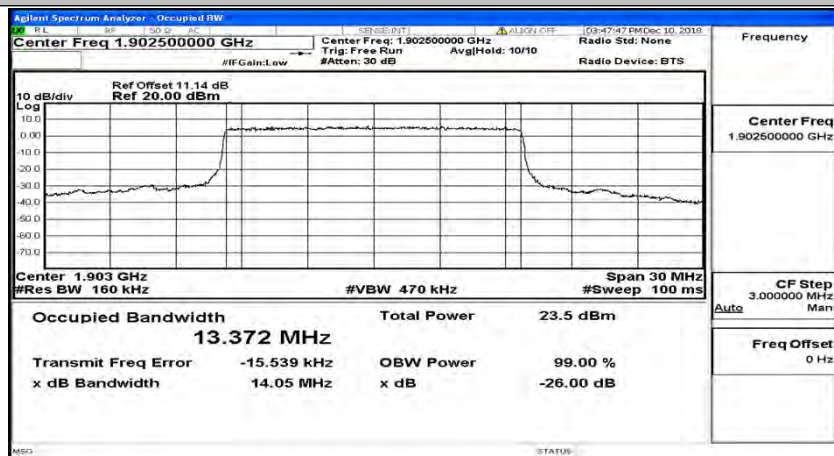
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_16QAM



## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_MCH\_16QAM

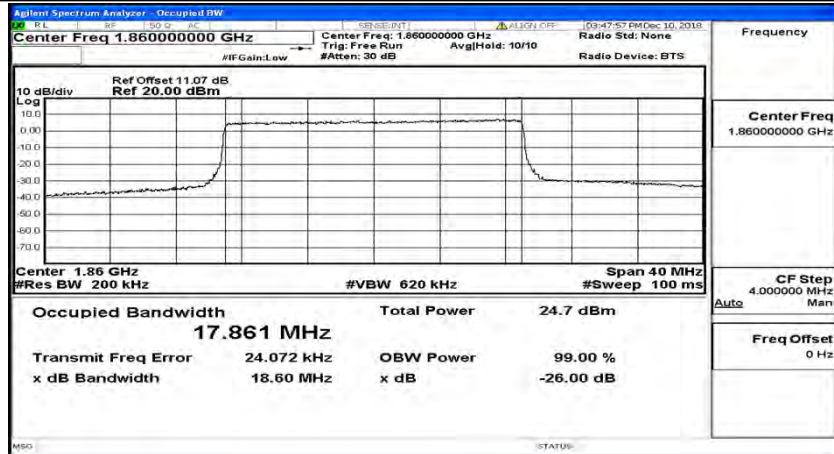


## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_16QAM

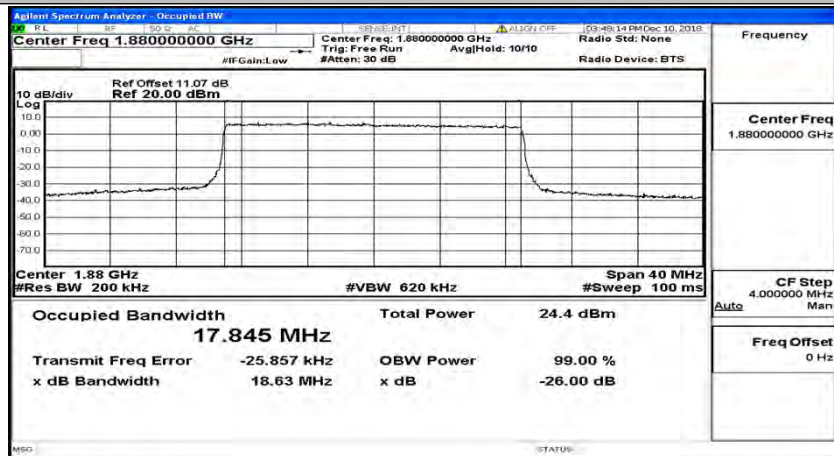




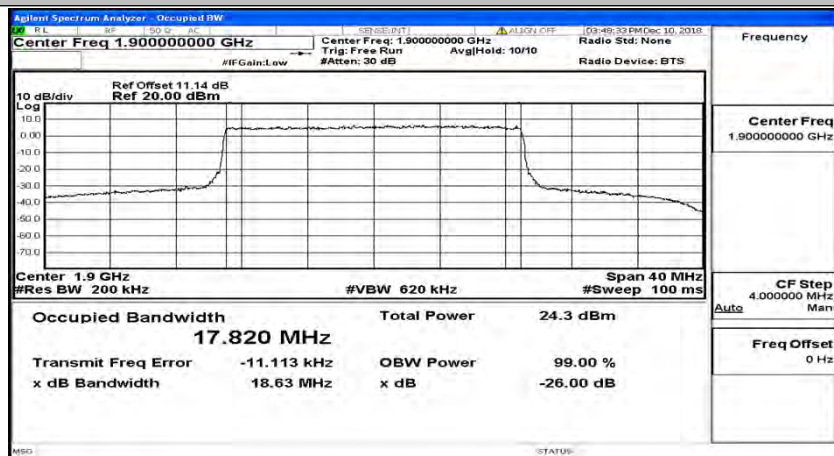
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_QPSK



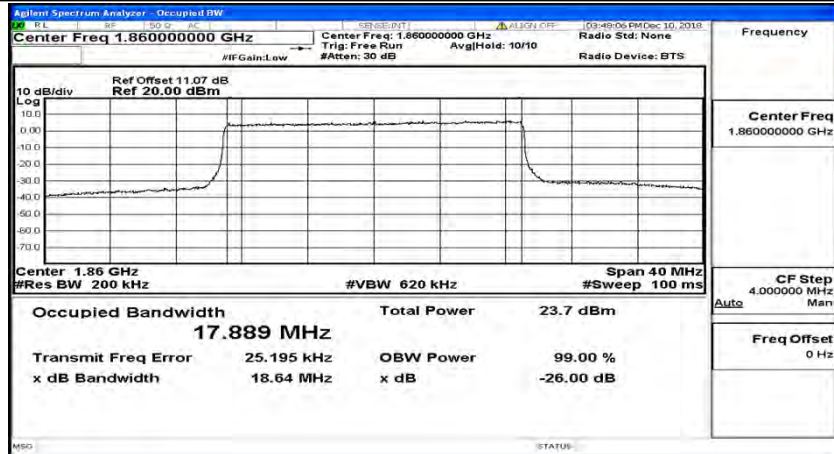
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_MCH\_QPSK



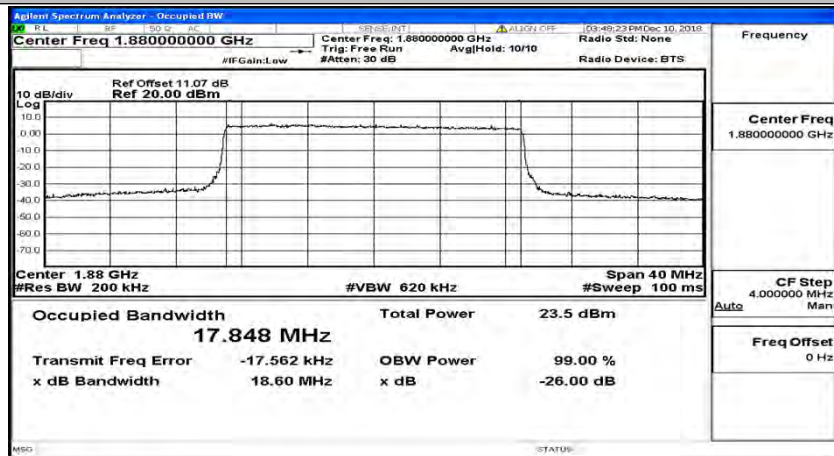
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_QPSK



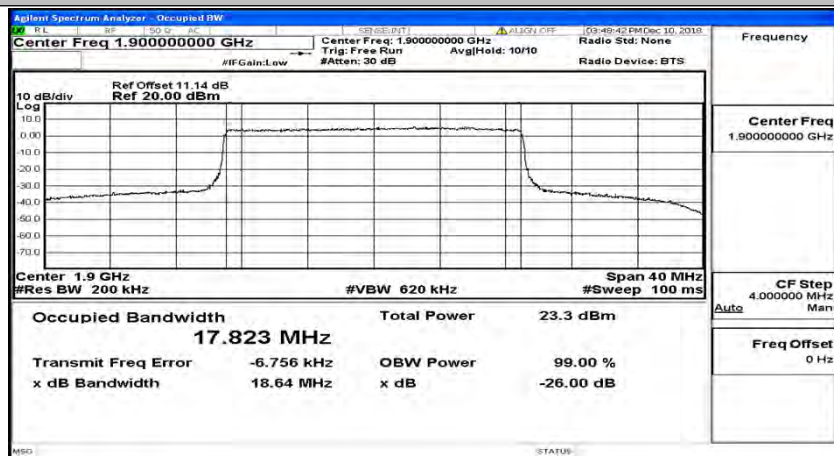
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_16QAM



## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_MCH\_16QAM

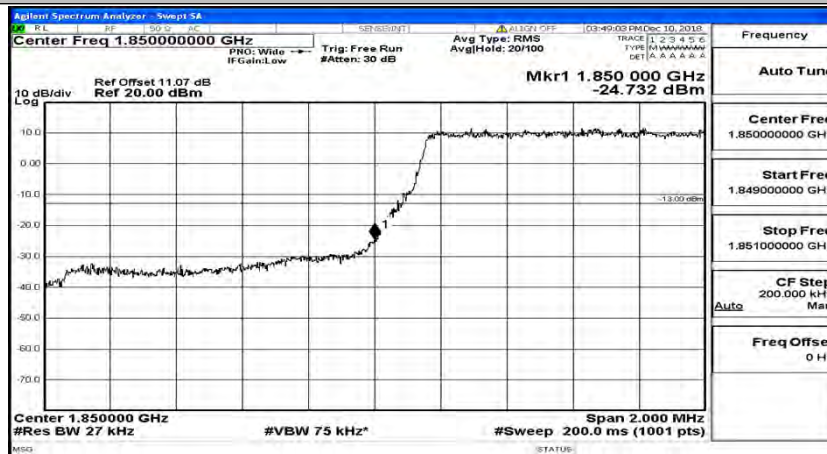


## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_16QAM

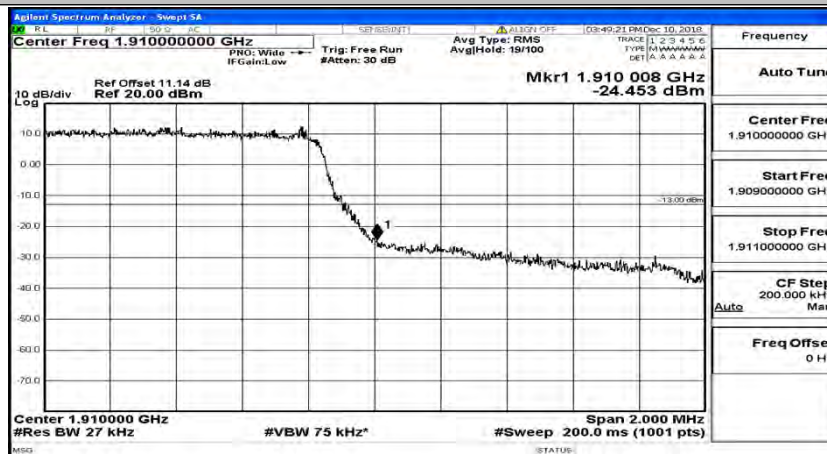


## A.4 Band Edge

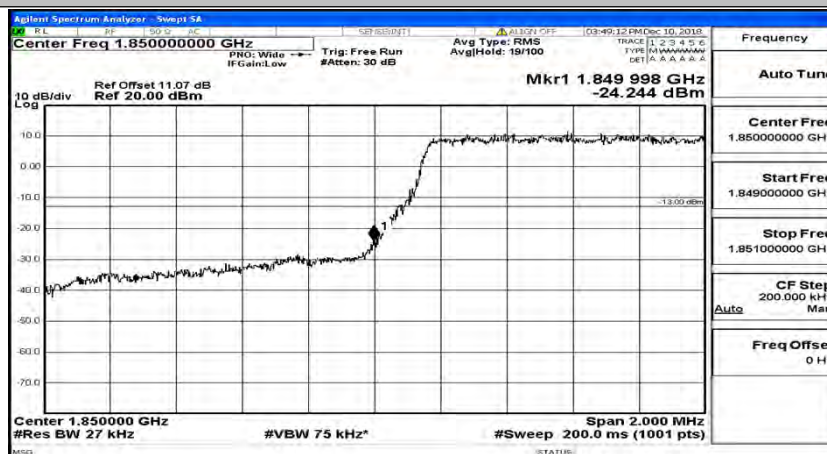
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK



Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK

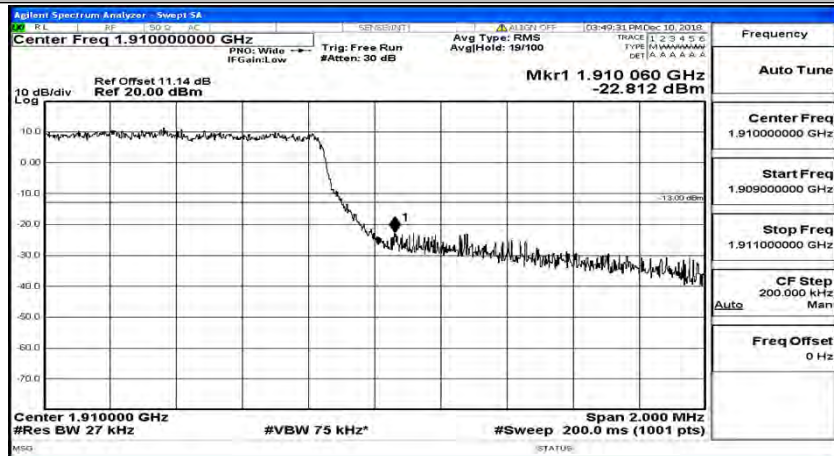


Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM

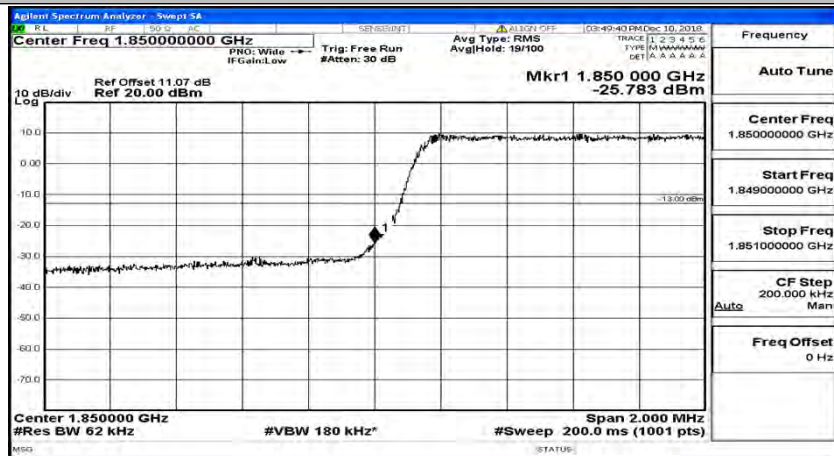




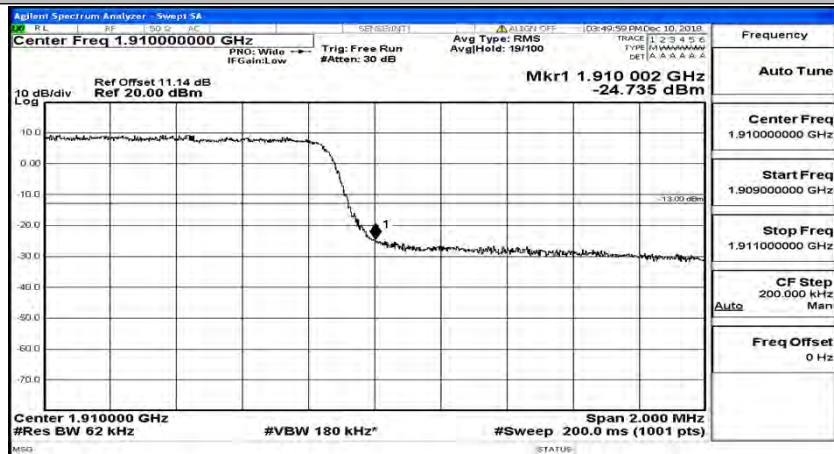
## Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM



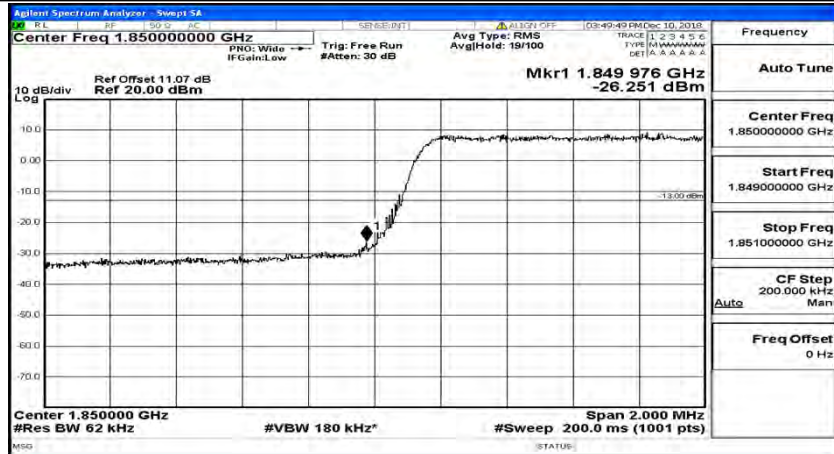
## Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_QPSK



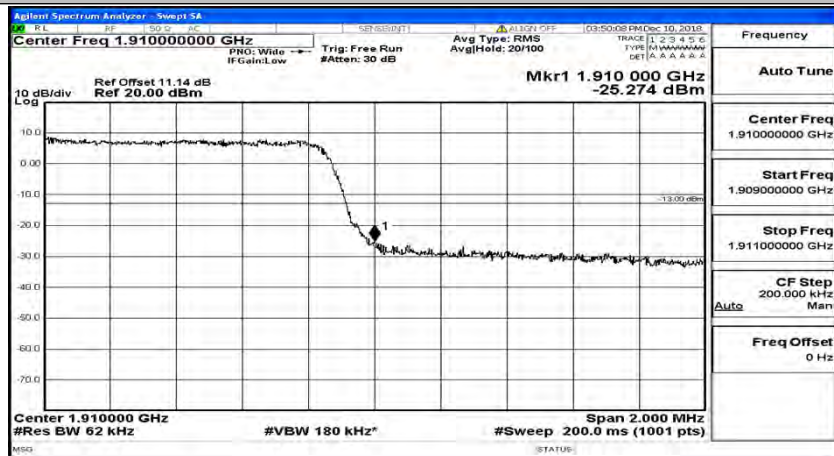
## Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_QPSK



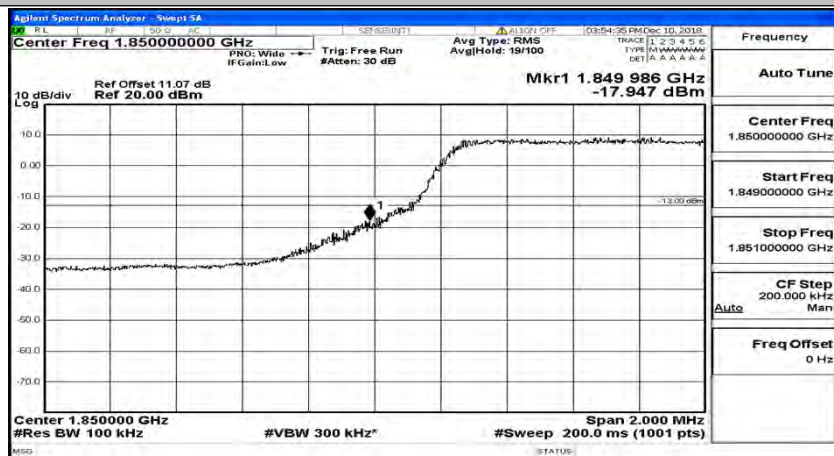
## Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_16QAM



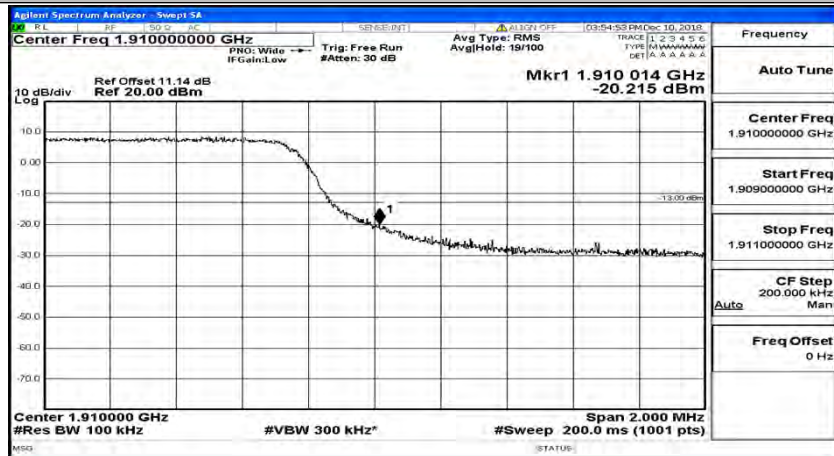
## Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_16QAM



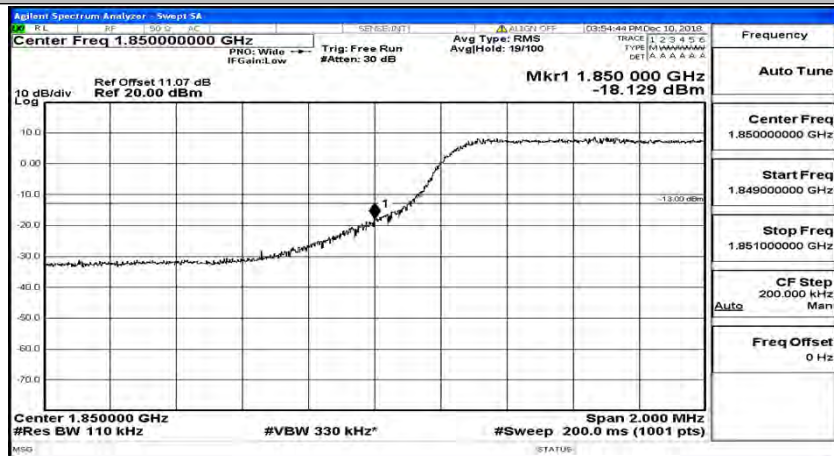
## Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_QPSK



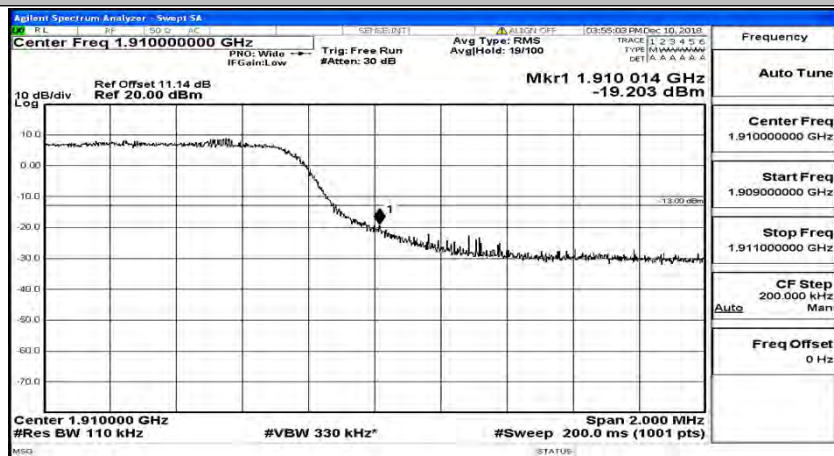
## Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_QPSK



## Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_16QAM

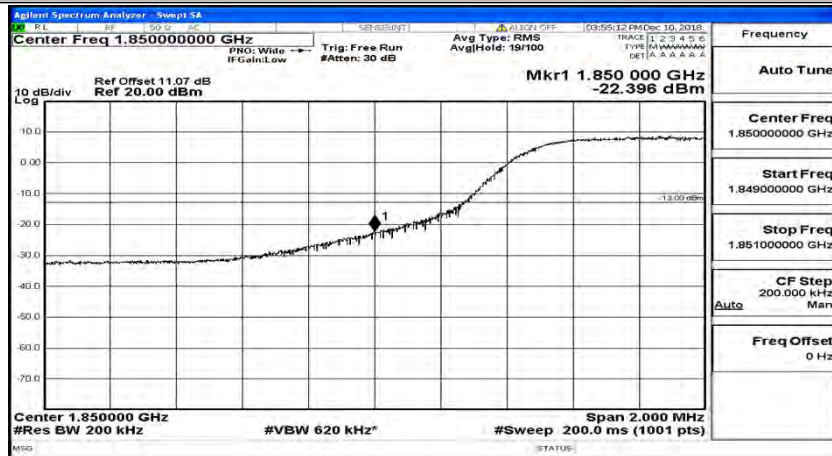


## Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM

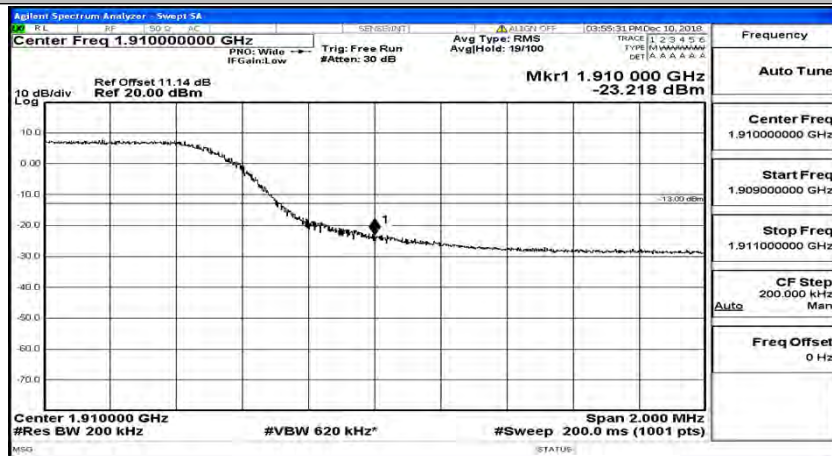




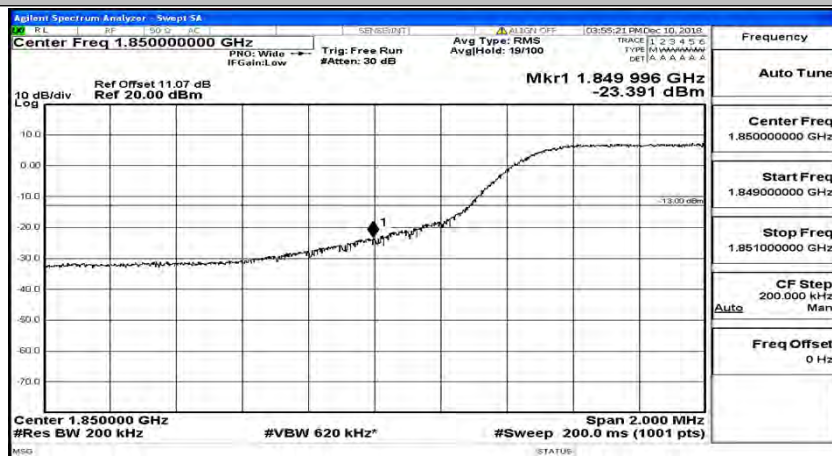
## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK



## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_QPSK



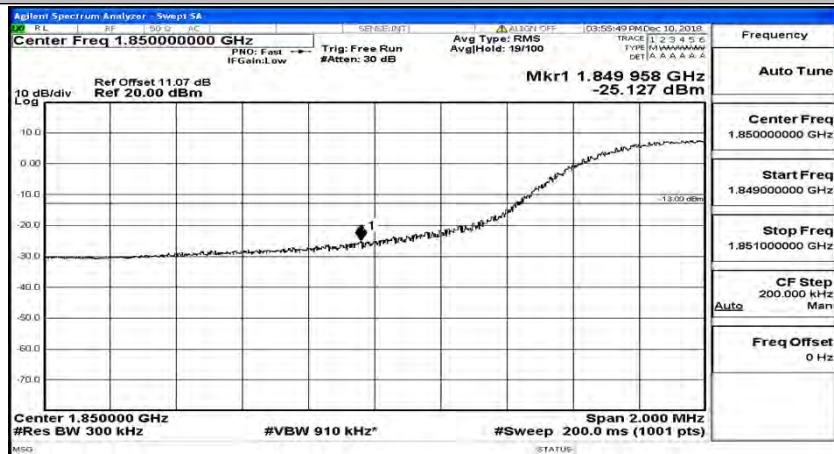
## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_16QAM



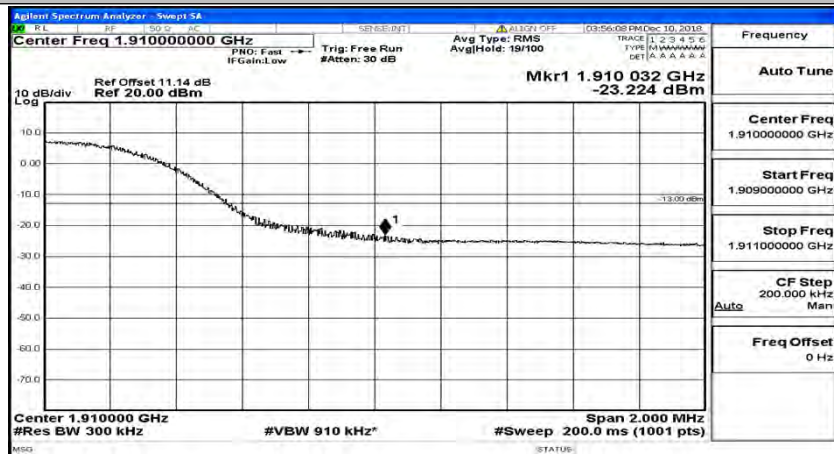
## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_16QAM



## Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_QPSK

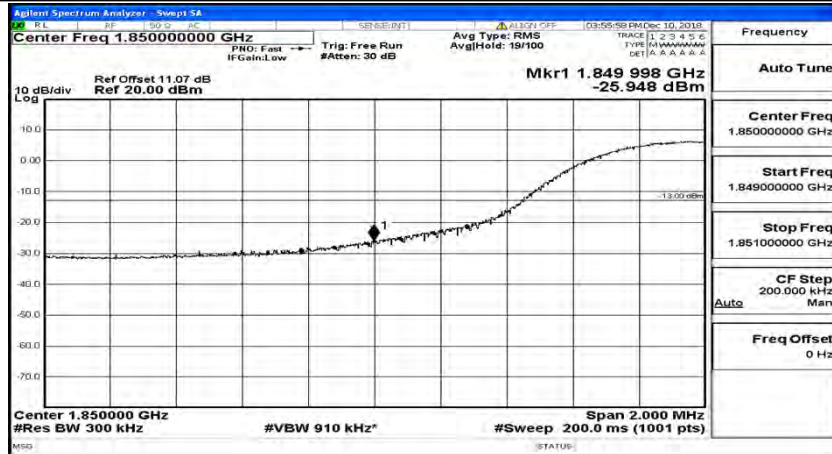


## Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_QPSK

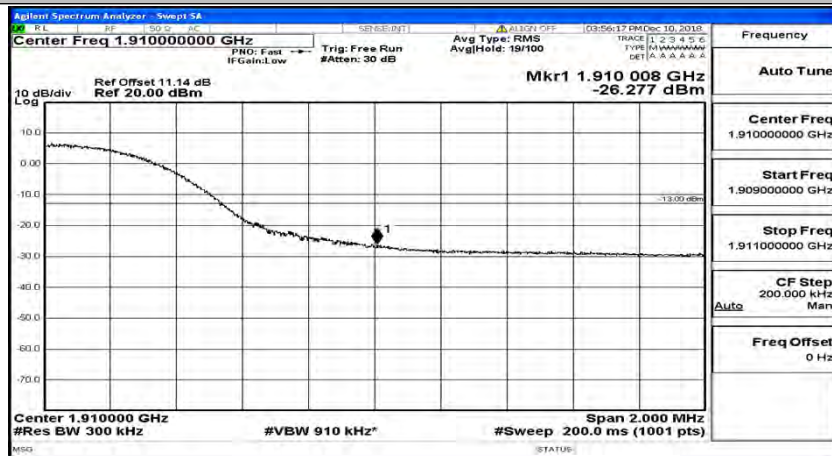




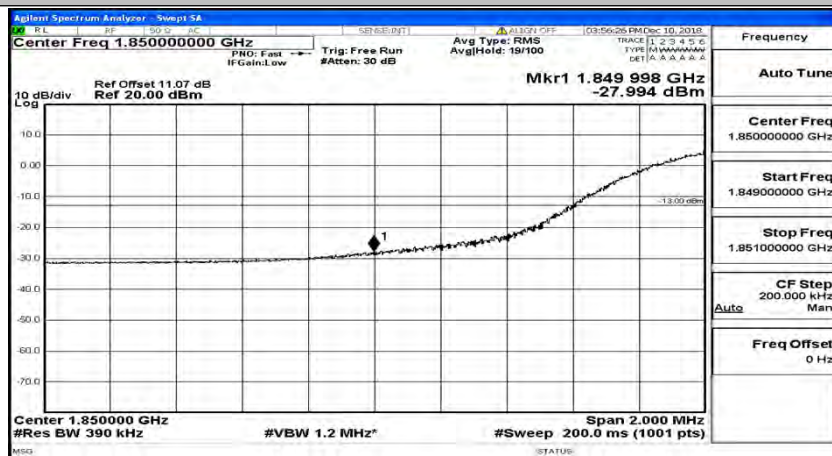
## Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_16QAM



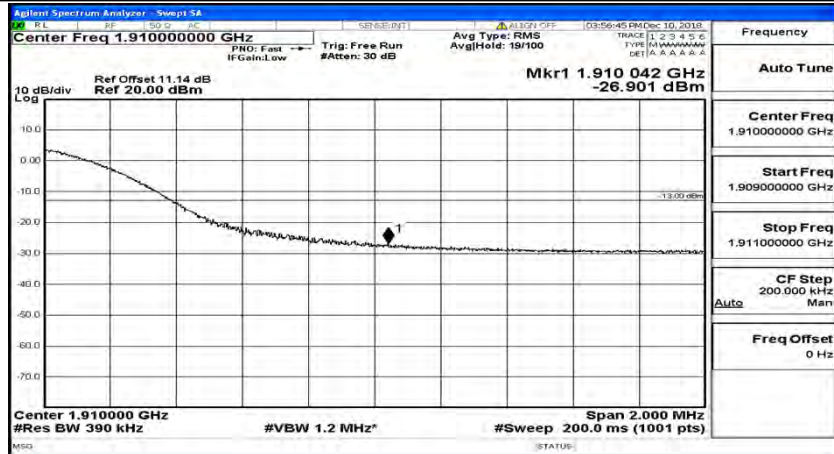
## Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_16QAM



## Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_QPSK



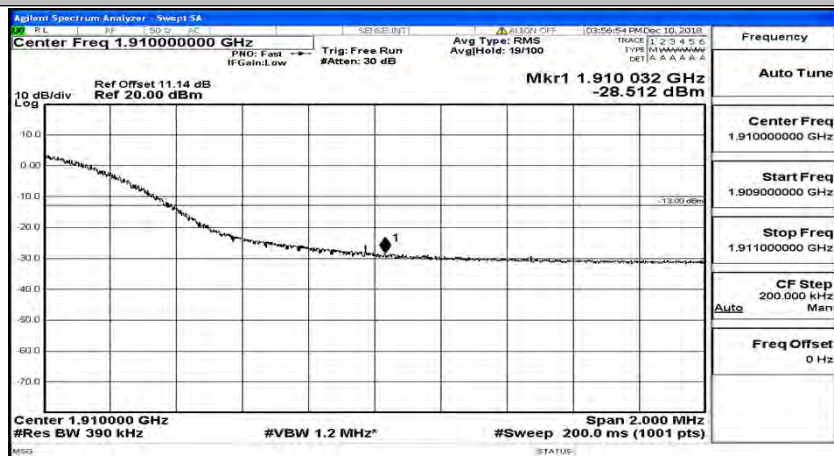
## Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_QPSK



## Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_16QAM

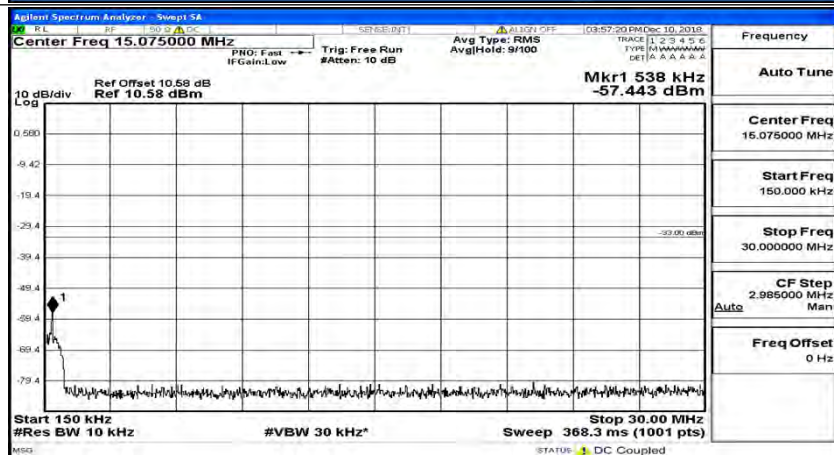
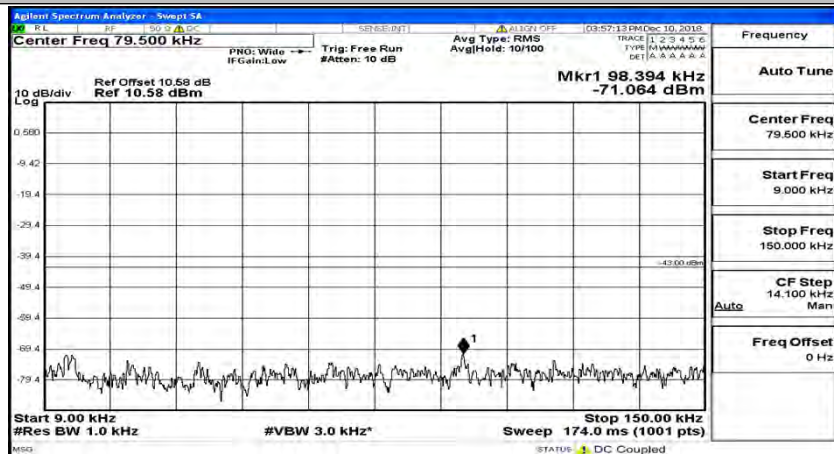


## Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_16QAM



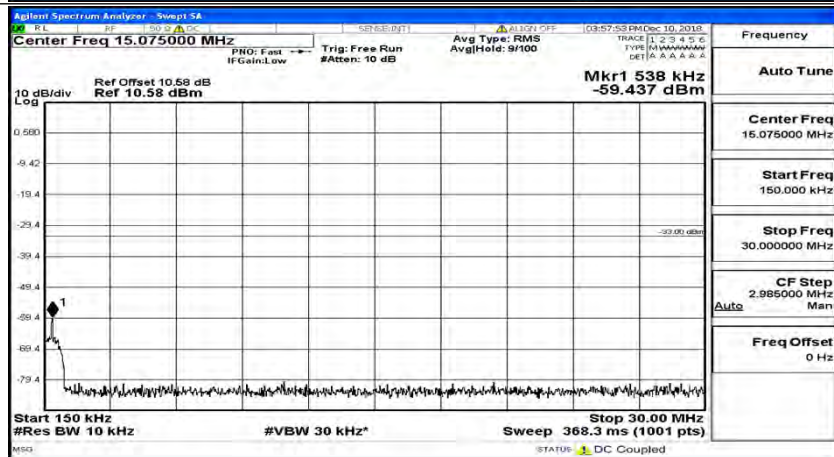
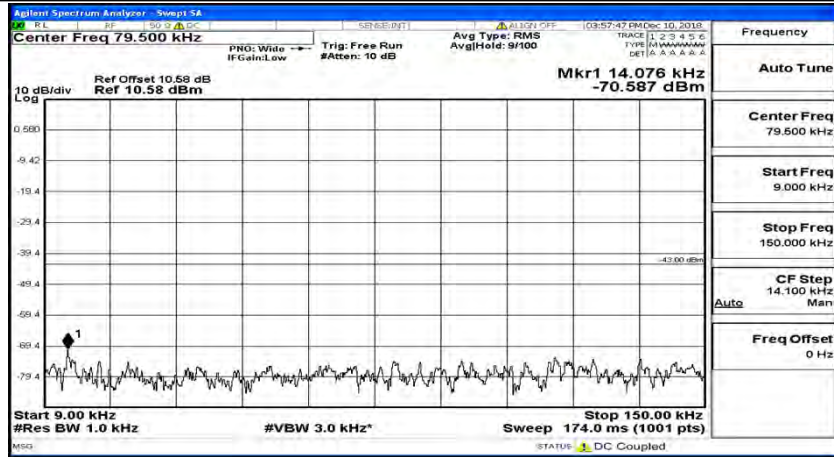
## A.5 Conducted Spurious Emission

CSE Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK

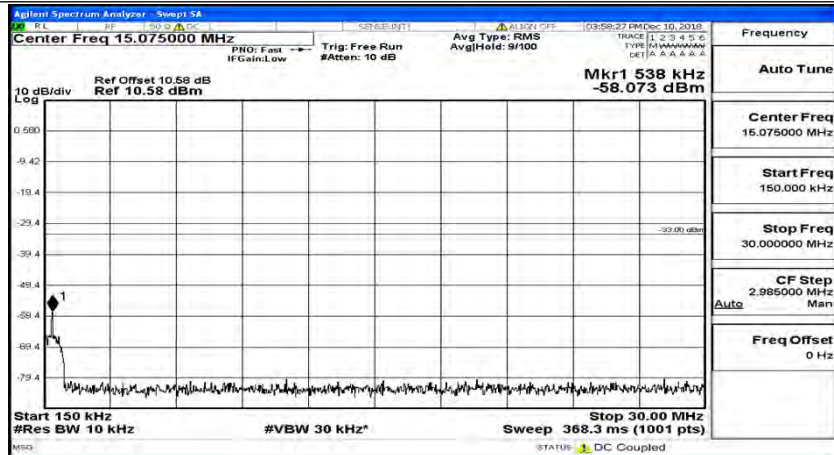
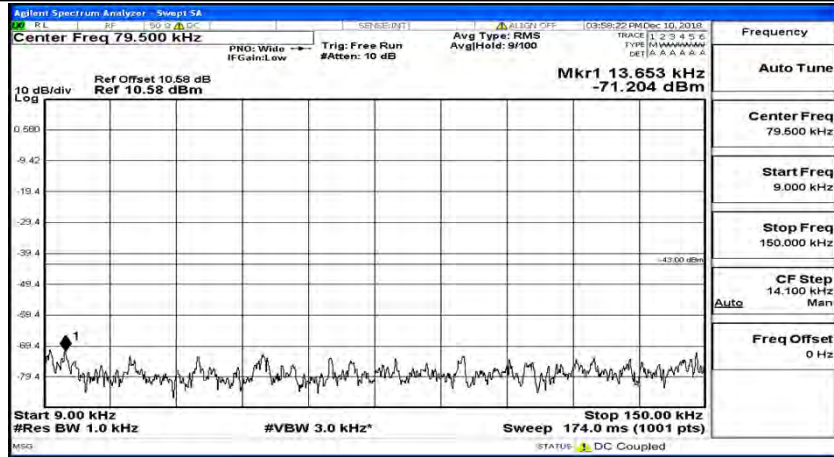




## CSE Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK

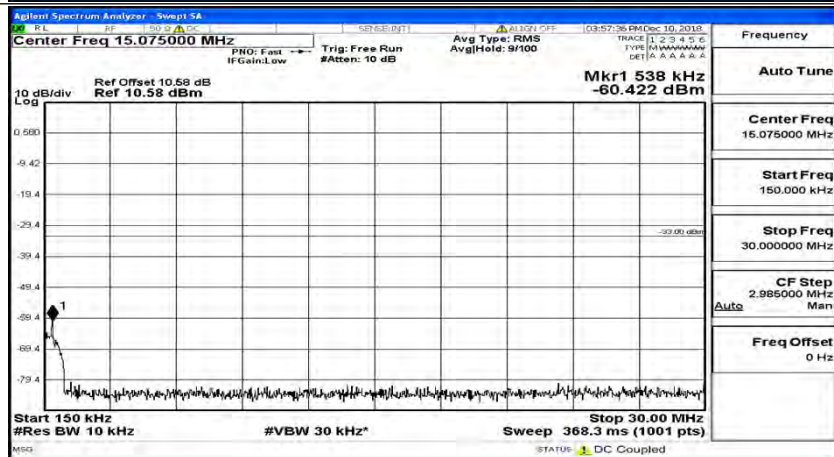
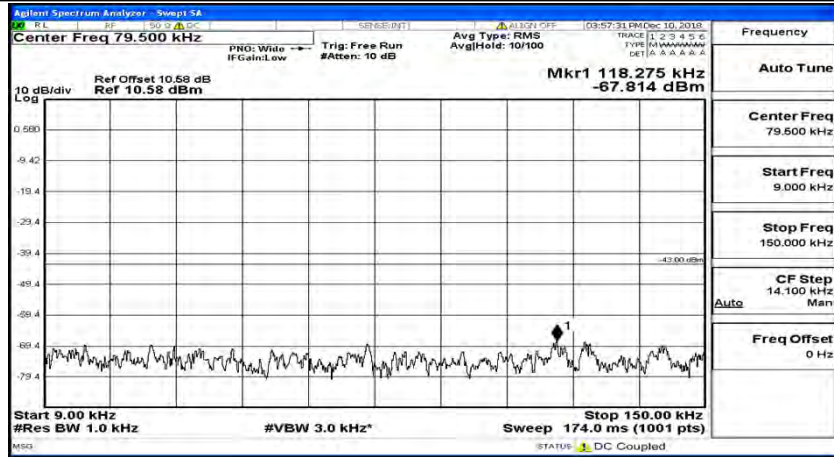


## CSE Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK

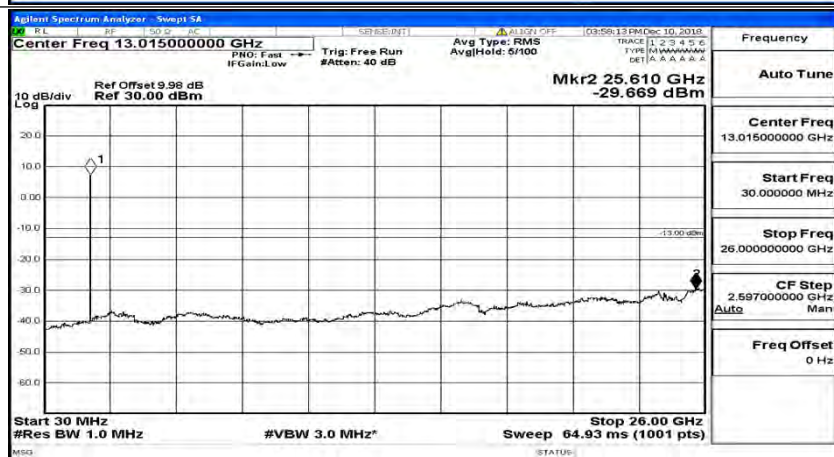
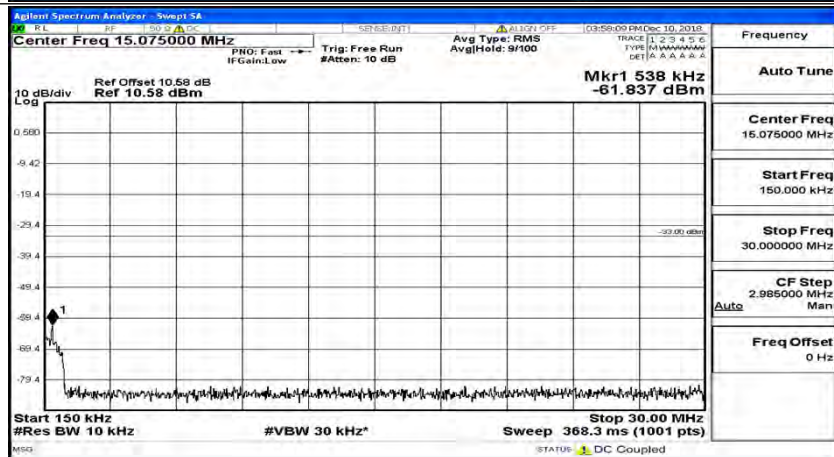
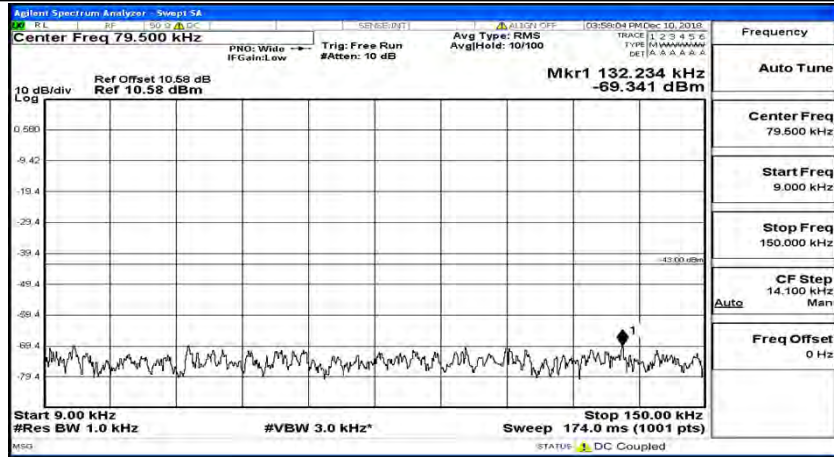




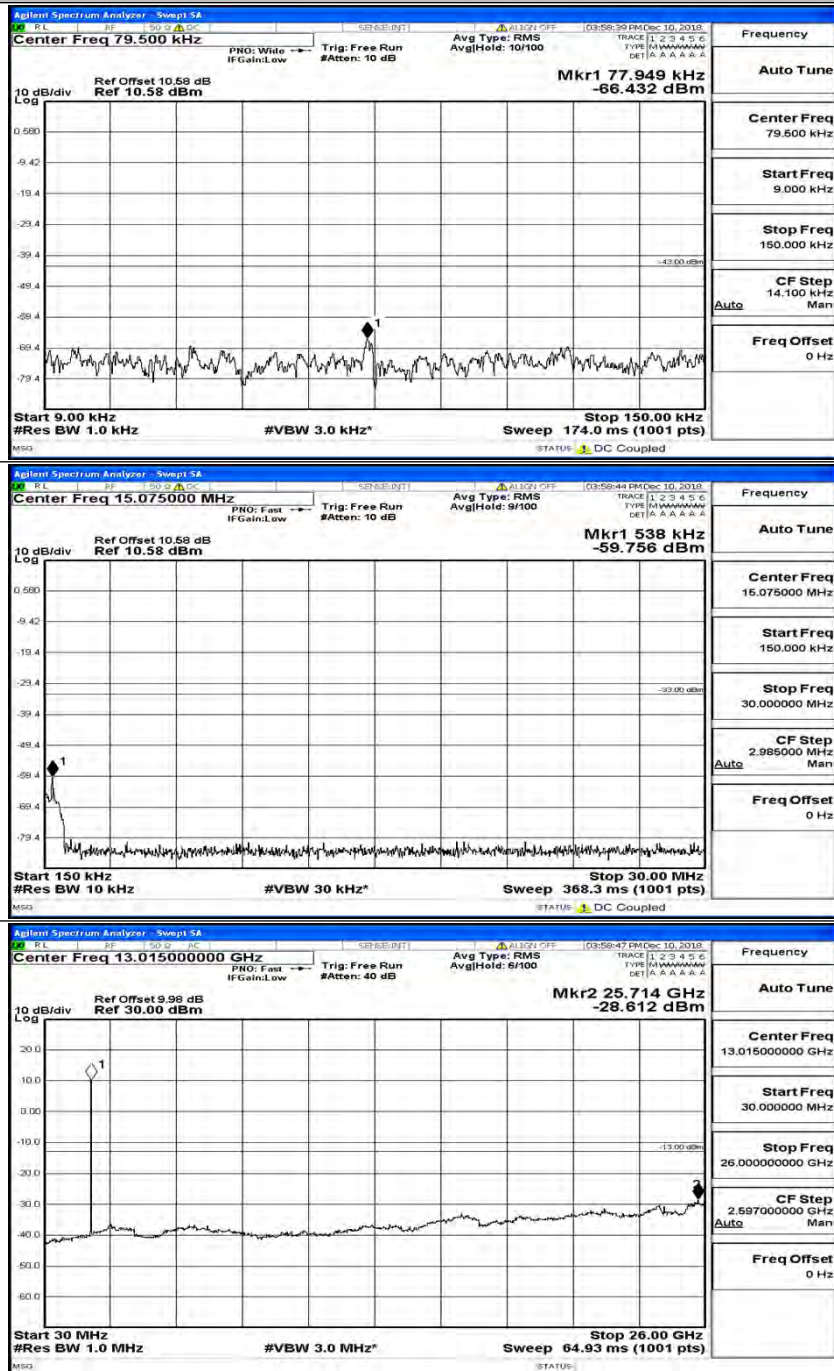
## CSE Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM



## CSE Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM

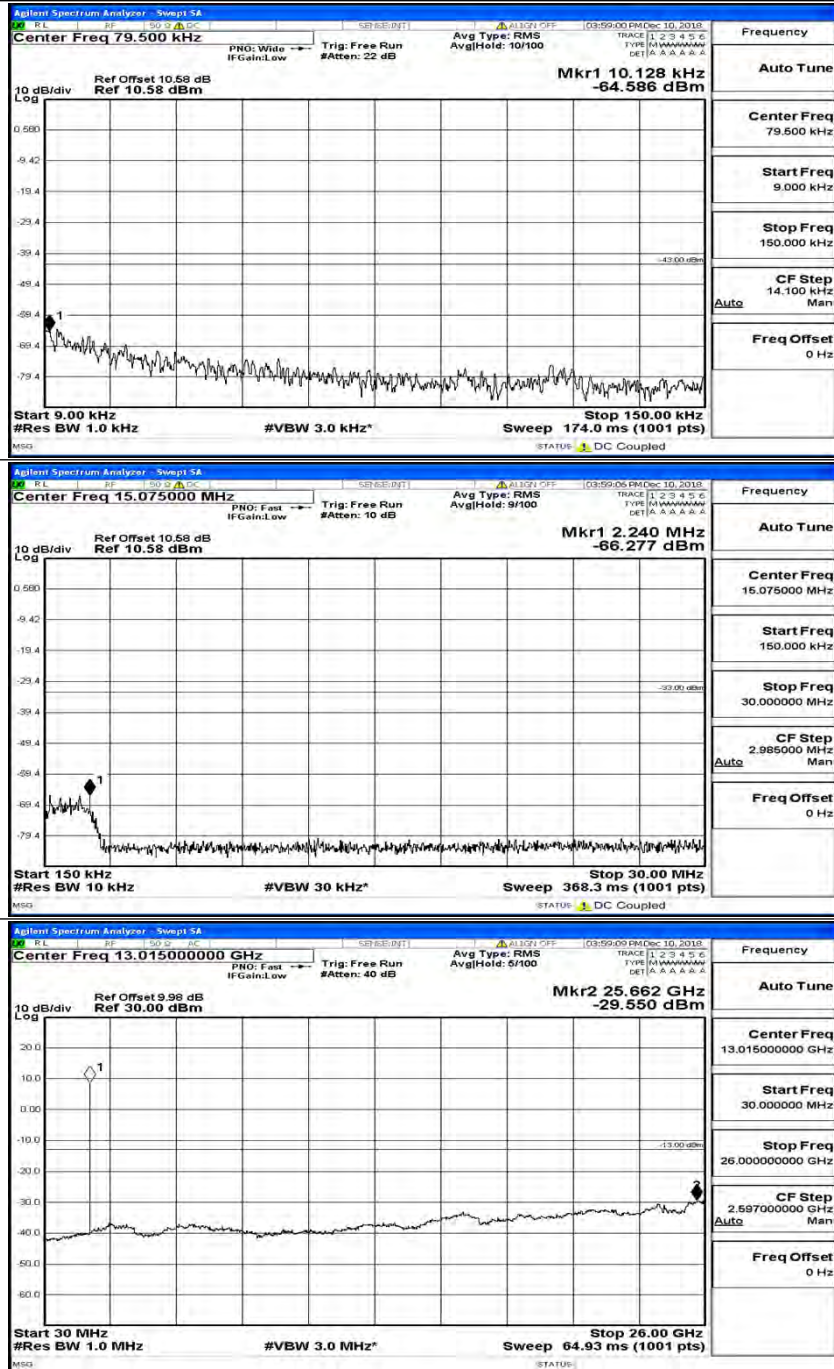


## CSE Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM

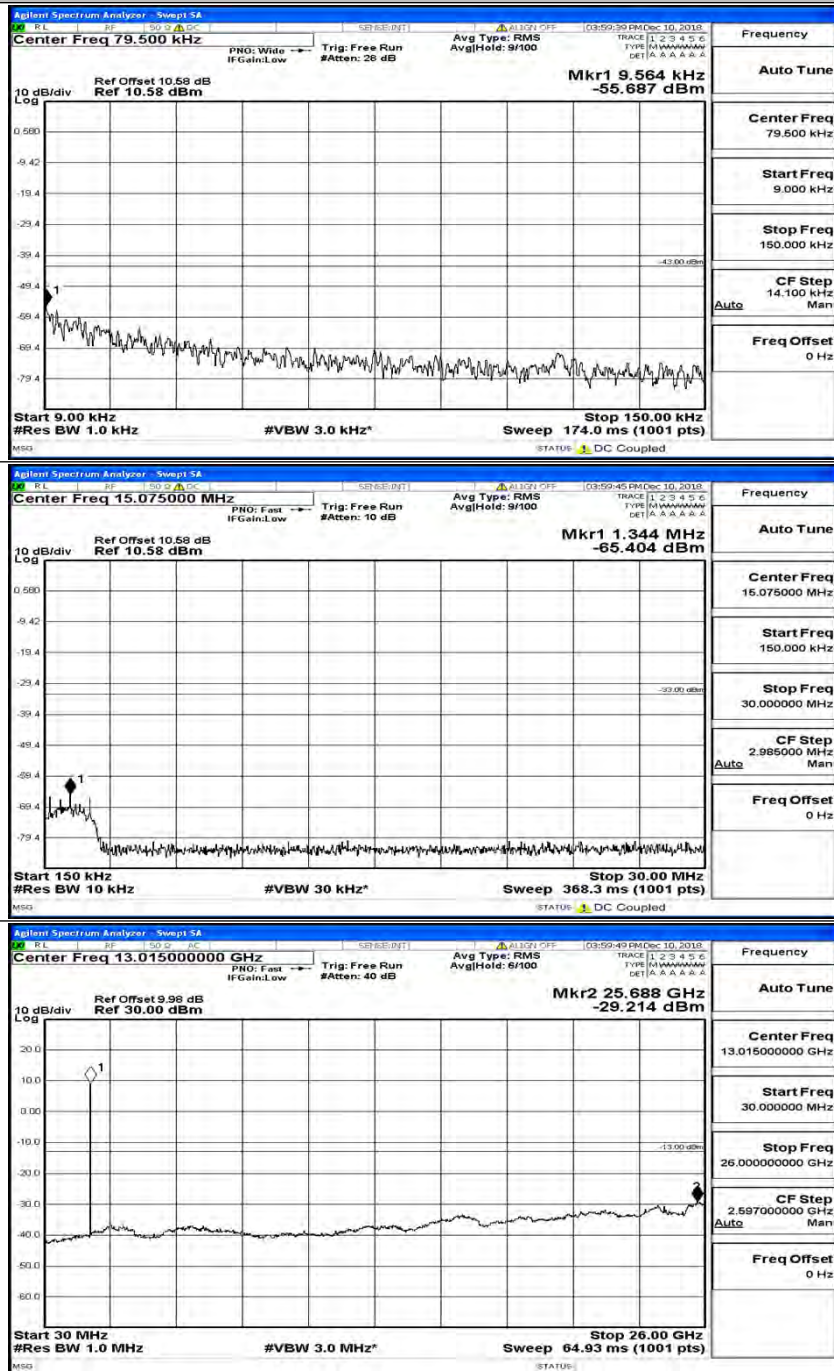




## CSE Test Graph(s) (Channel Bandwidth: 3 MHz) LCH\_QPSK

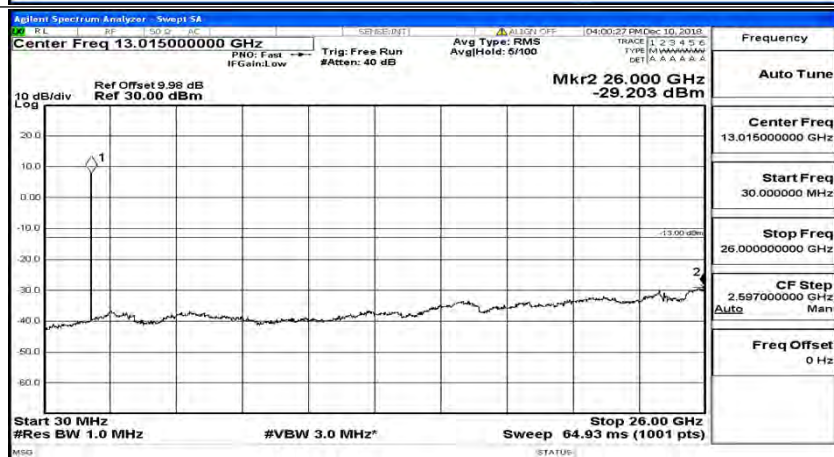
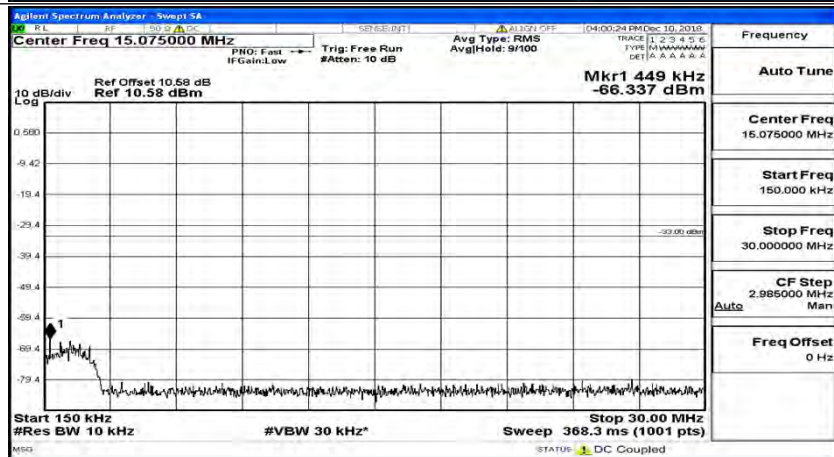
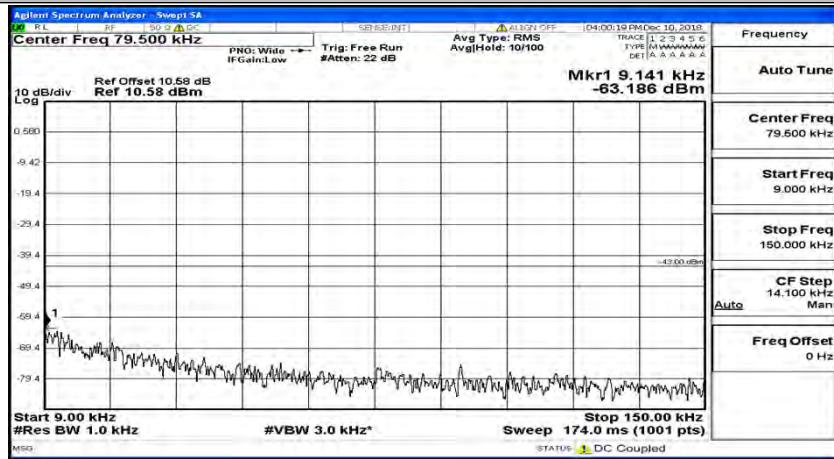


## CSE Test Graph(s) (Channel Bandwidth: 3 MHz)\_MCH\_QPSK

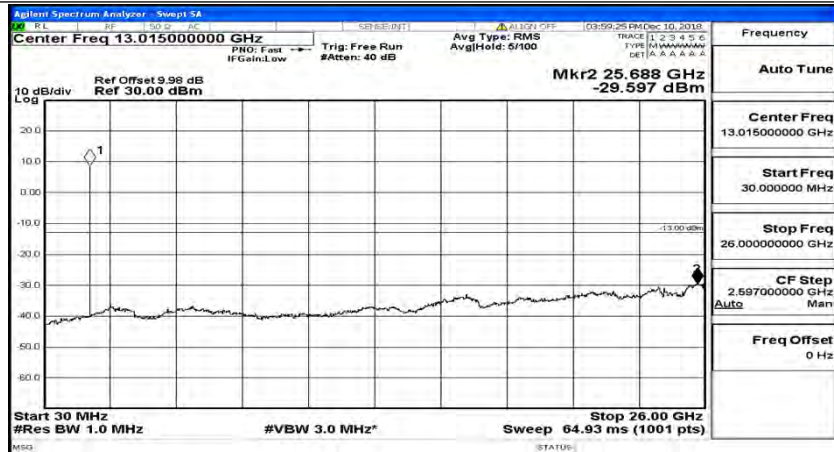
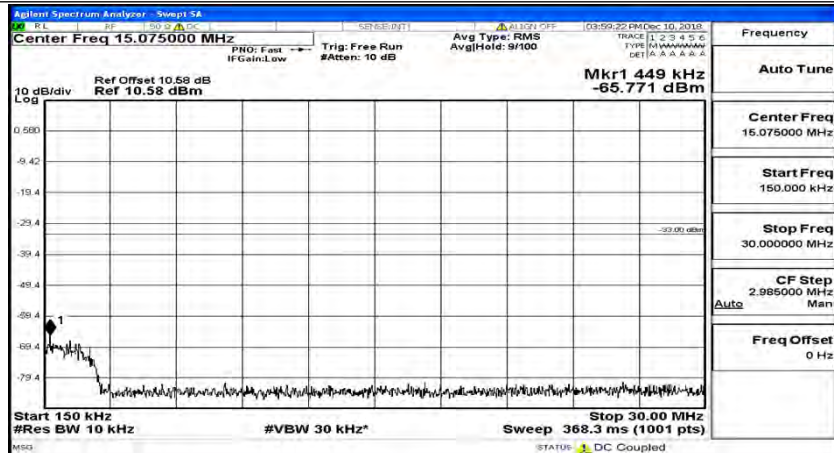
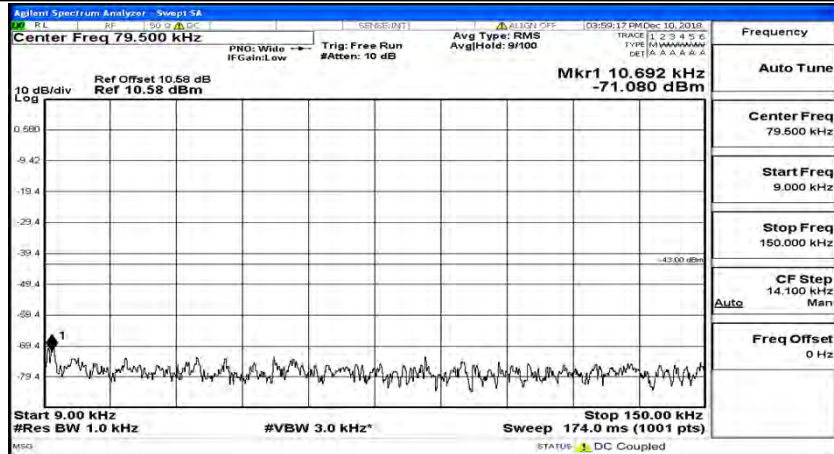




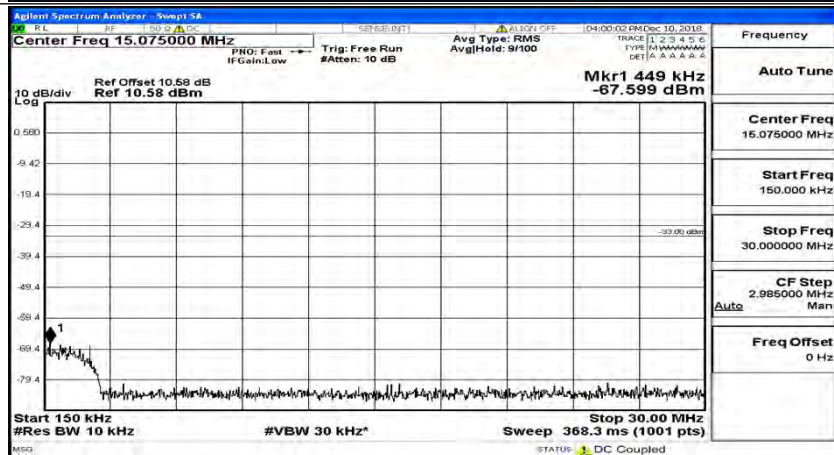
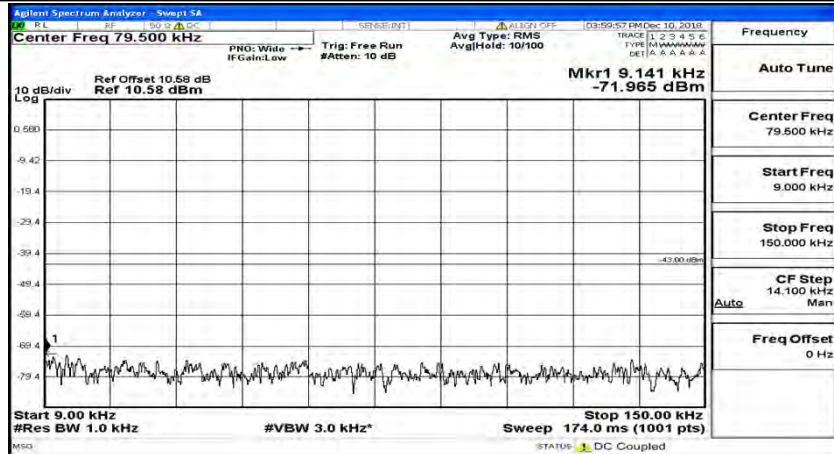
## CSE Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_QPSK



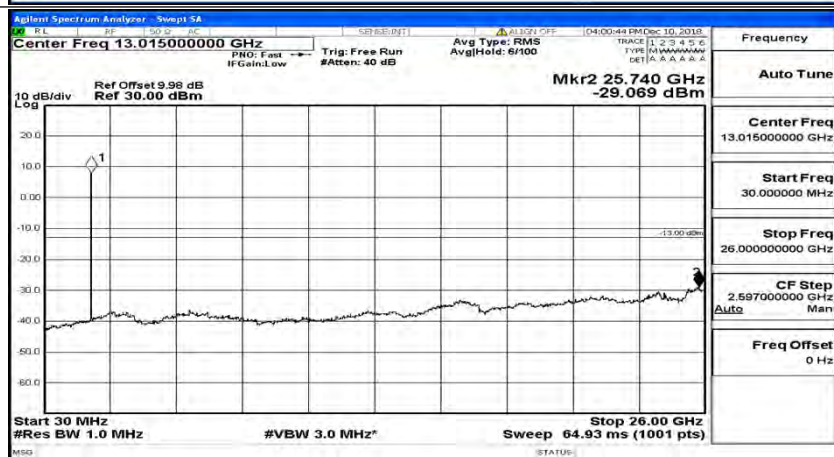
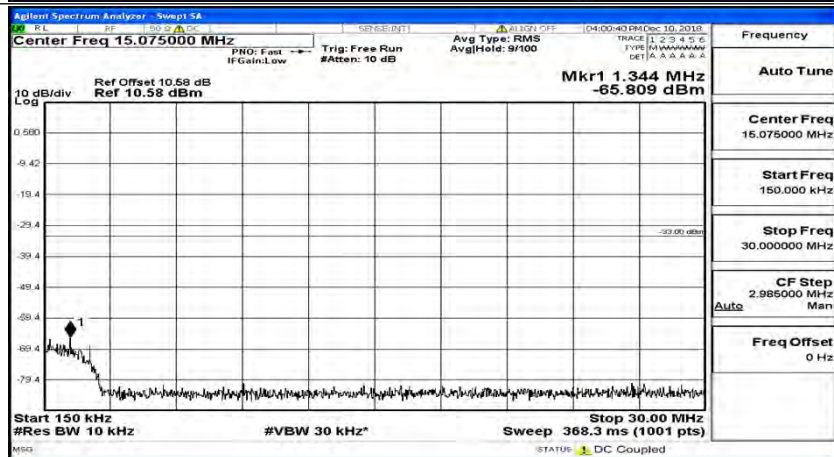
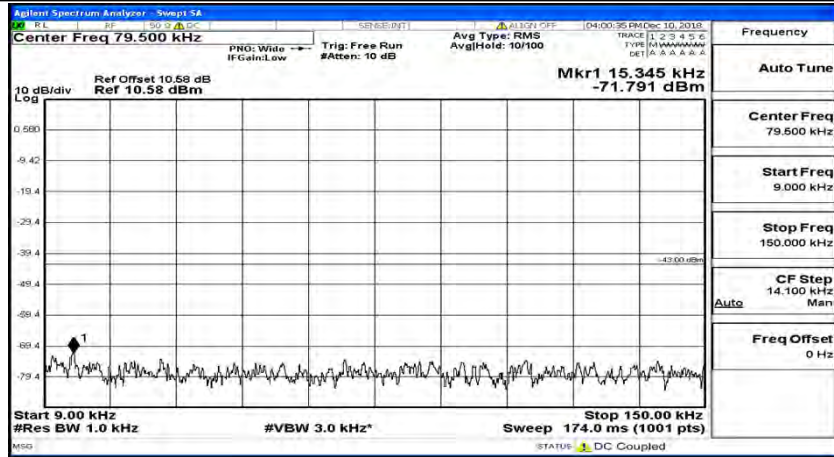
## CSE Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_16QAM



## CSE Test Graph(s) (Channel Bandwidth: 3 MHz)\_MCH\_16QAM

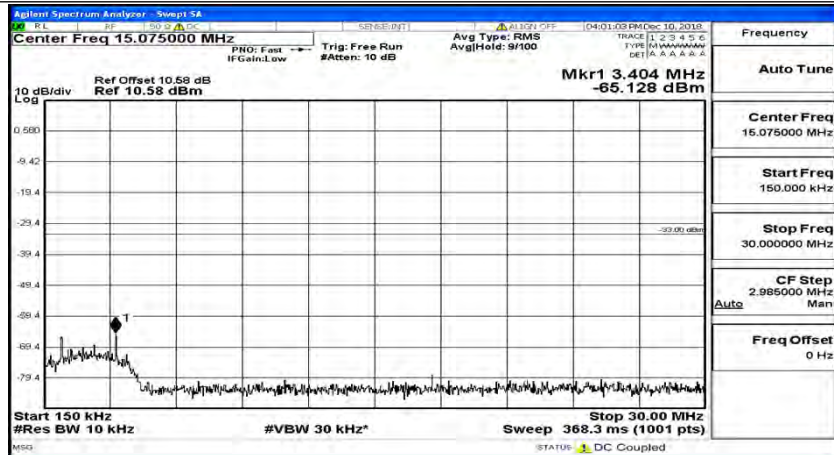
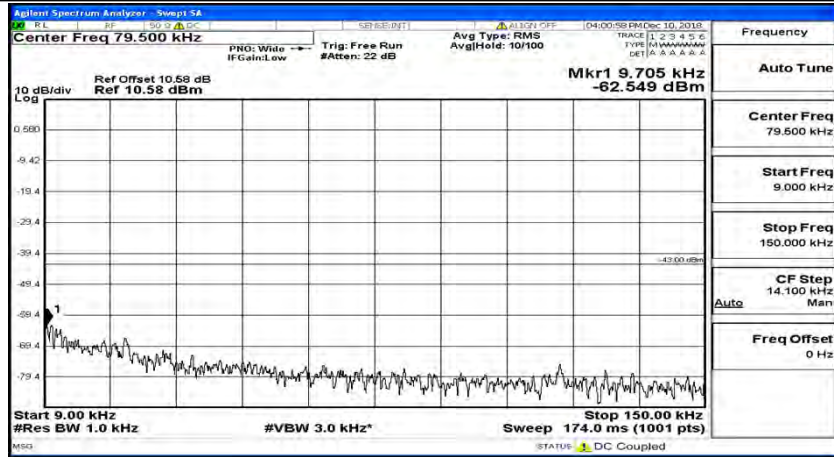


## CSE Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_16QAM



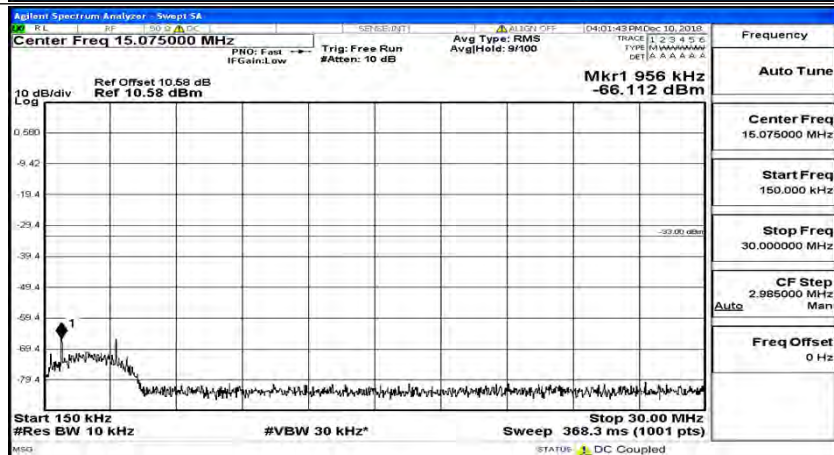
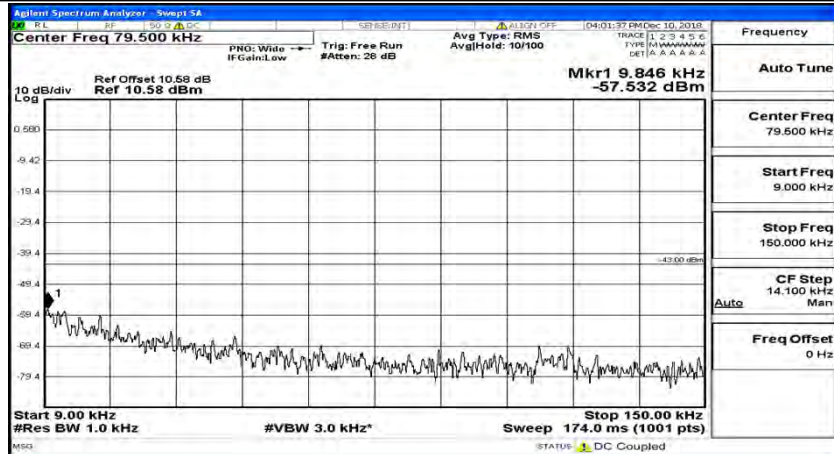


## CSE Test Graph(s) (Channel Bandwidth: 5 MHz) LCH\_QPSK

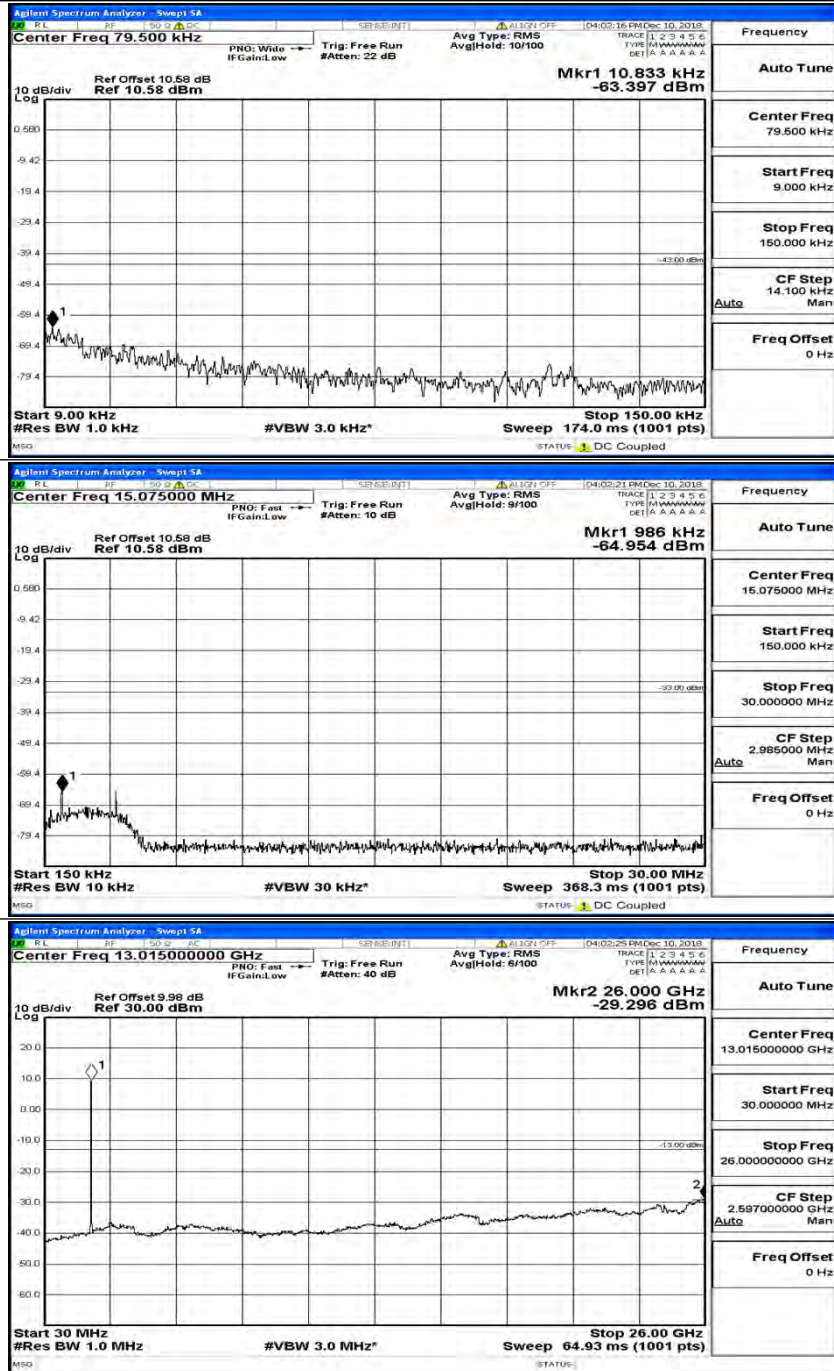




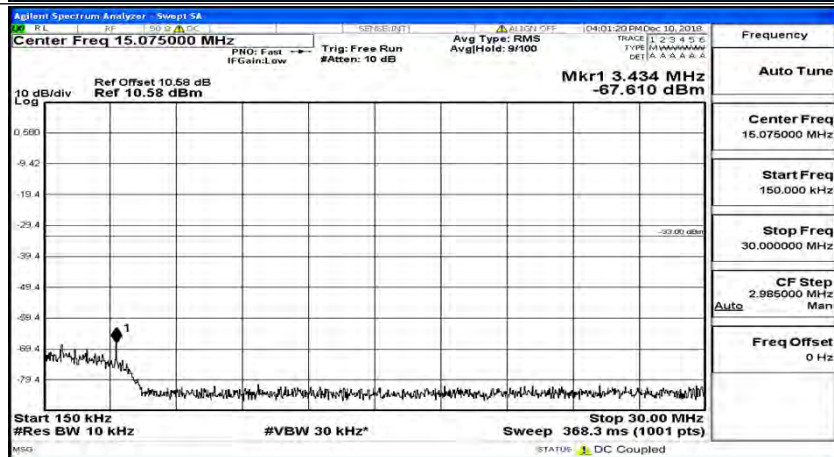
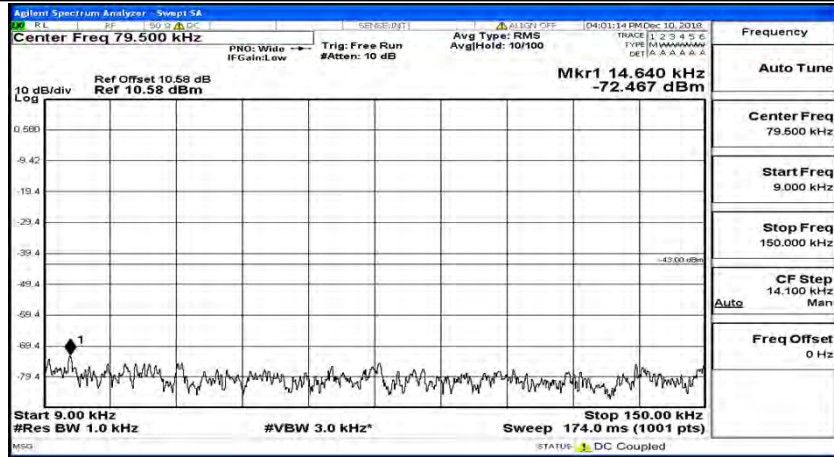
## CSE Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_QPSK



## CSE Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_QPSK

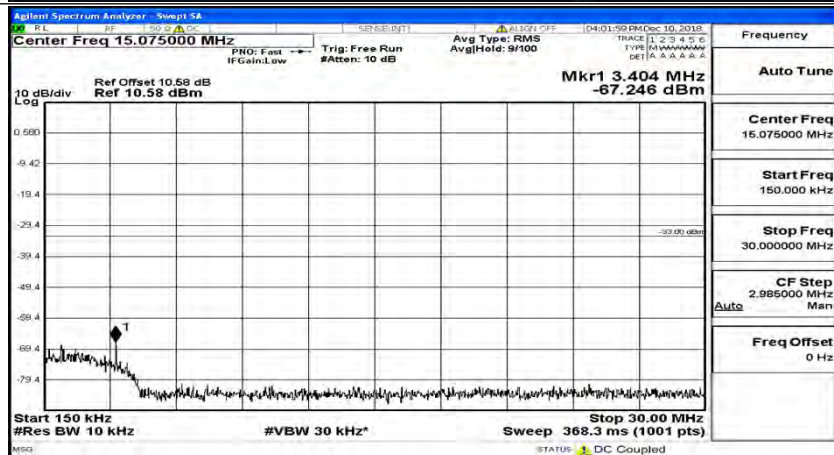
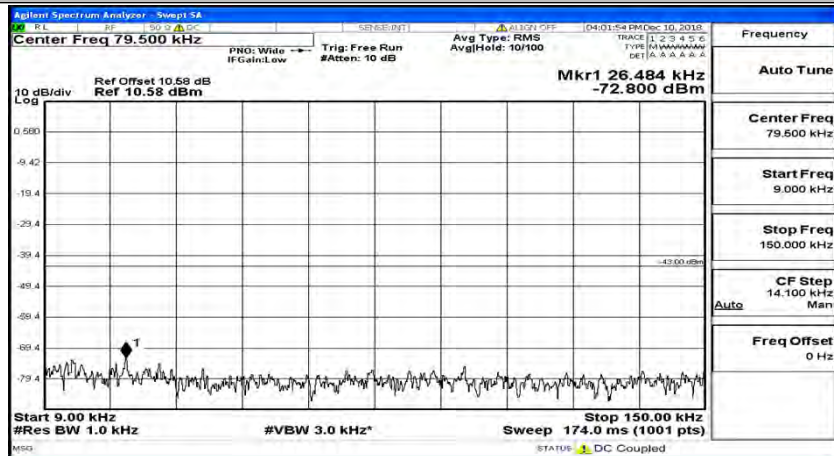


## CSE Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_16QAM

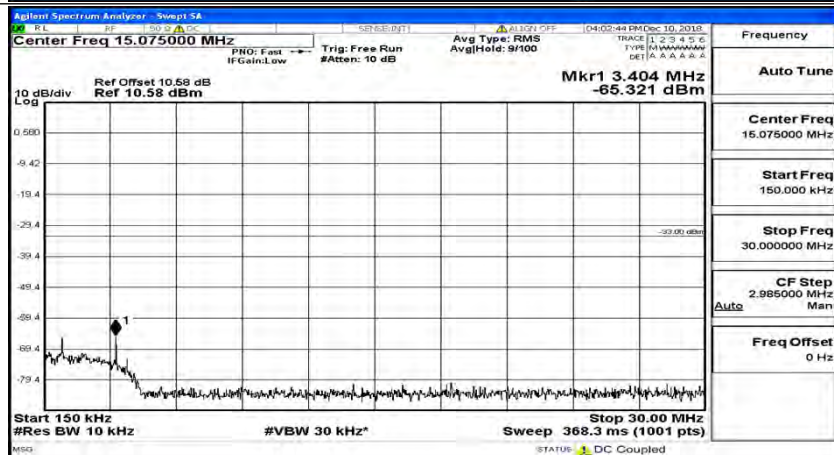
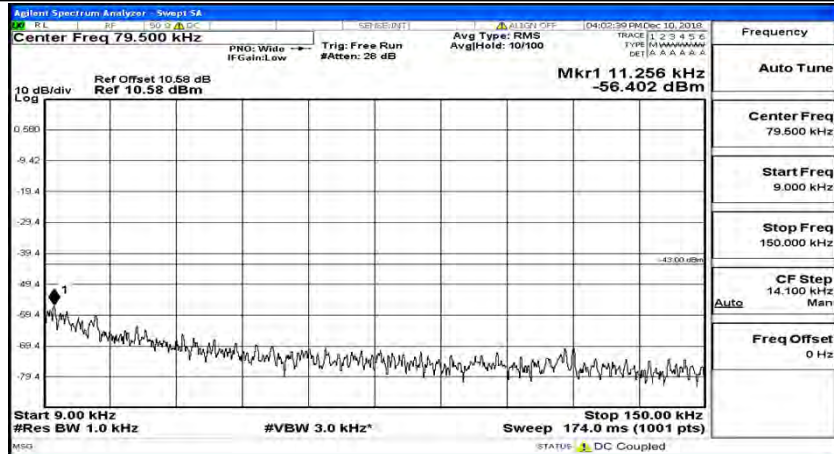




## CSE Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_16QAM

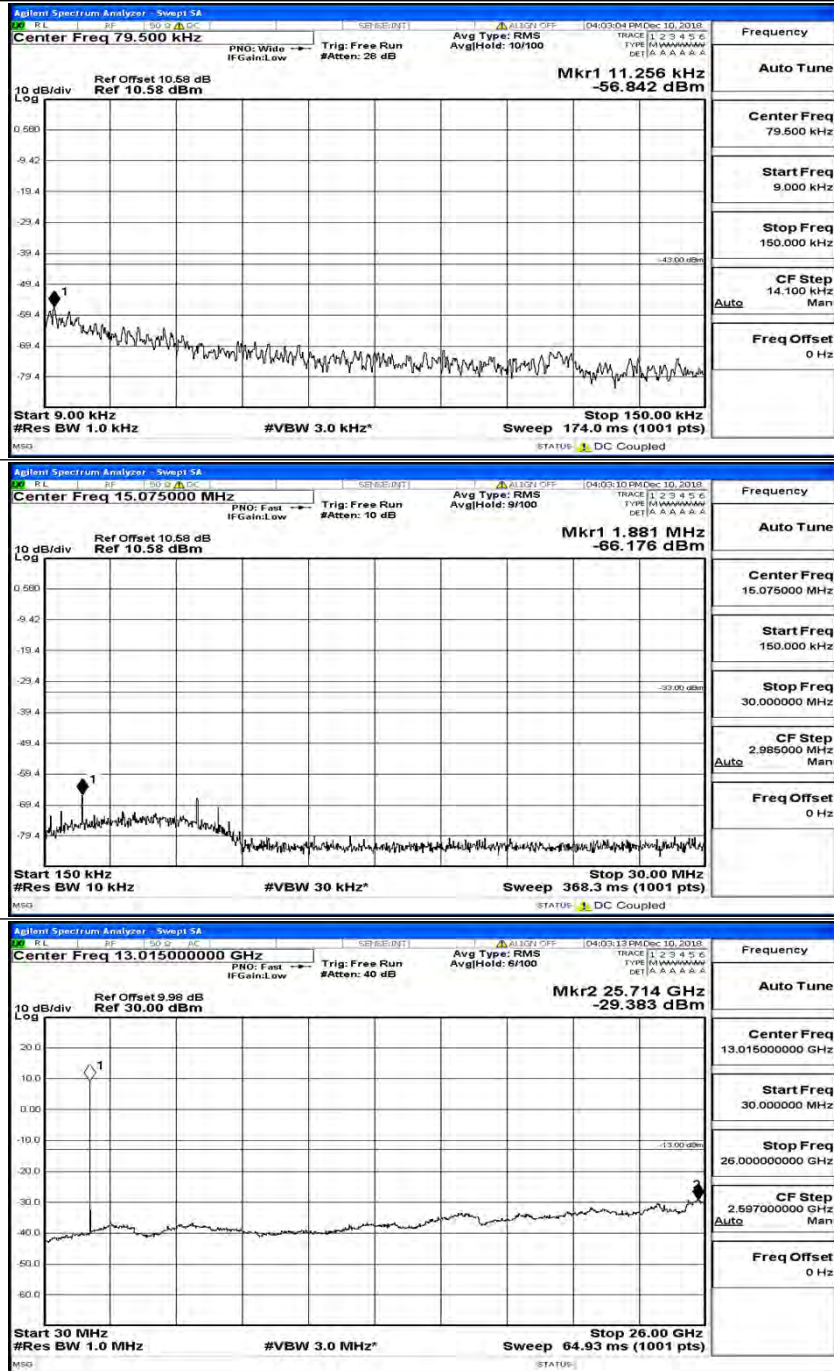


## CSE Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM

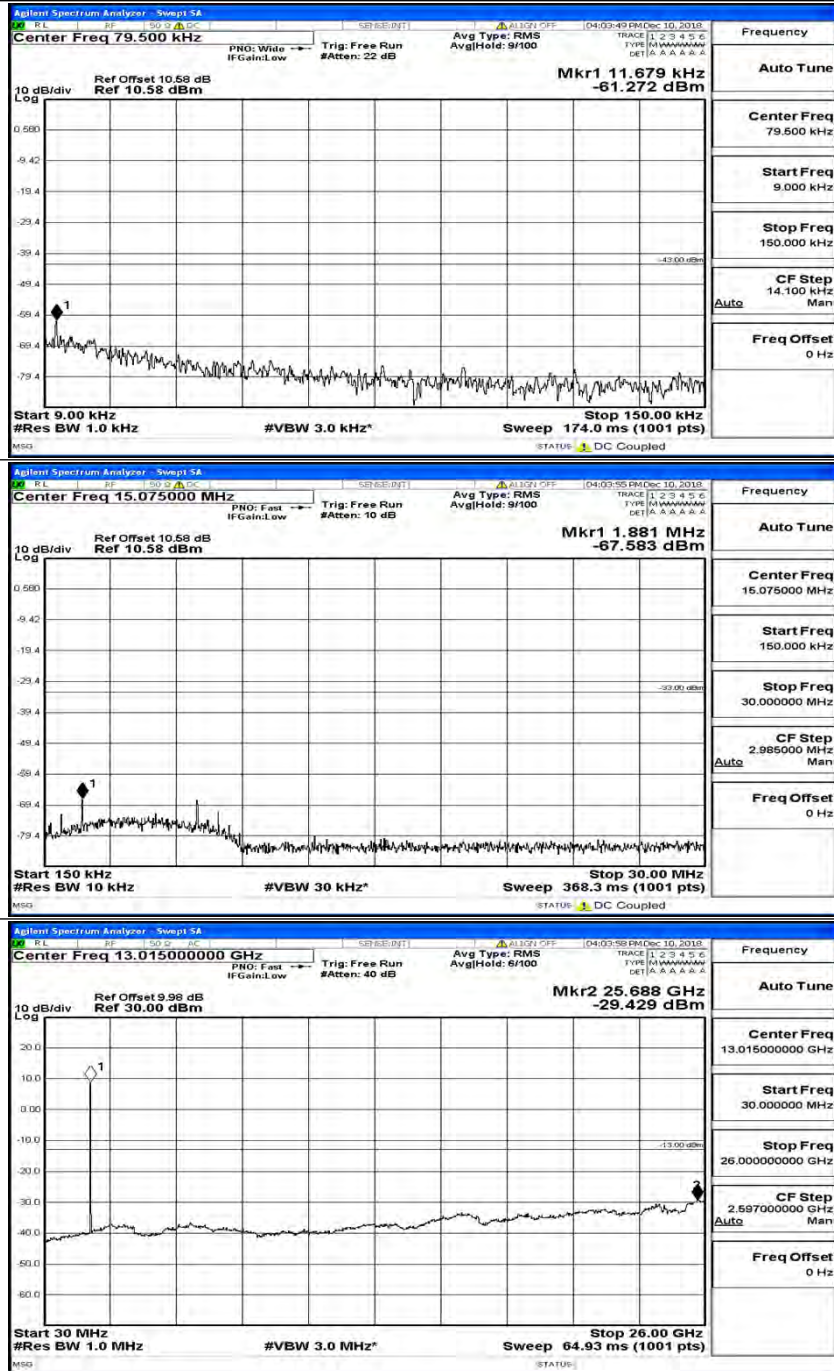




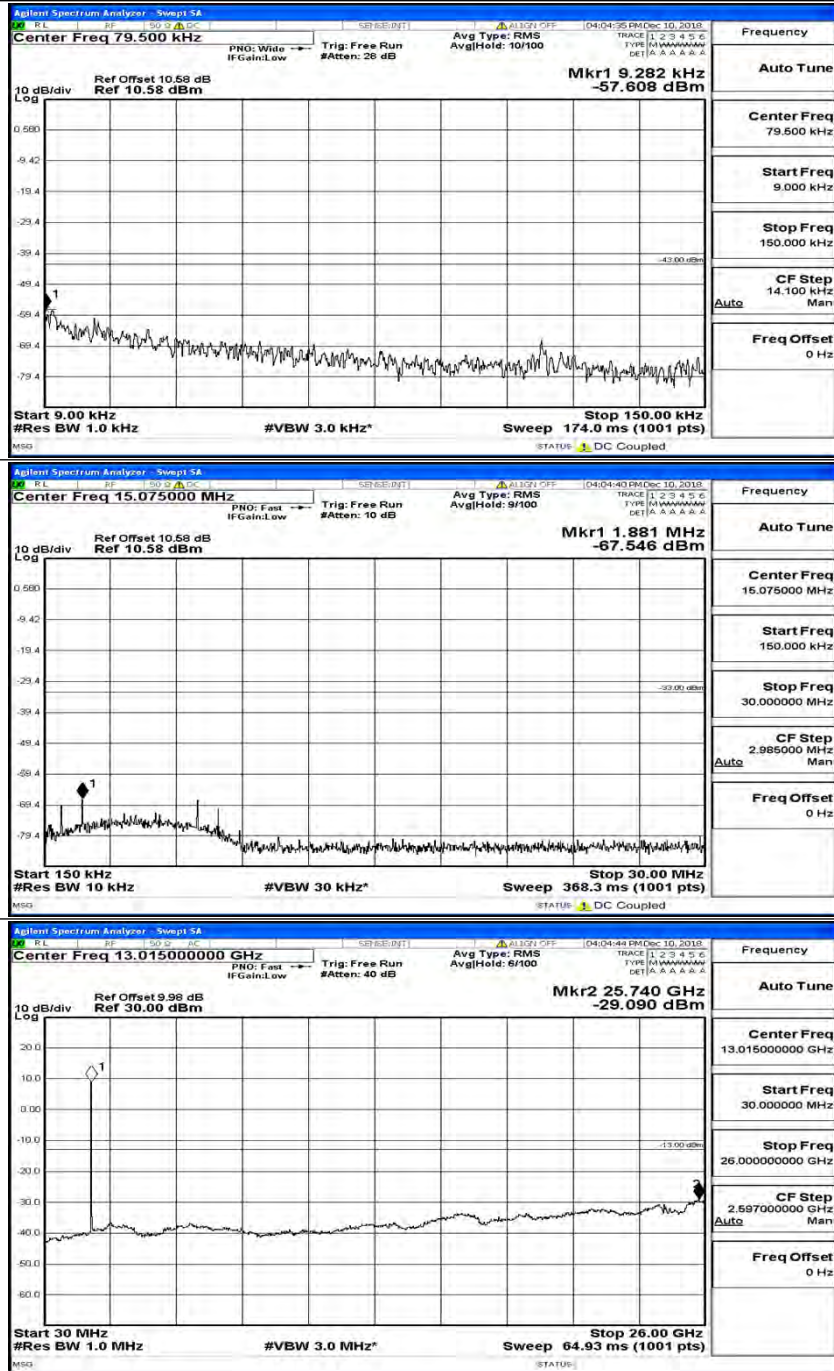
## CSE Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK



## CSE Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_QPSK



## CSE Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_QPSK





Agilent Spectrum Analyzer - Sweep 56

Center Freq 79.500 kHz

PNO: Wide → IF Gain: Low

Trig: Free Run #Atten: 26 dB

Avg Type: RMS Avg/Hold: 10/100

Mkr1 9.000 kHz -57.240 dBm

10 dB/div Log

Ref Offset 10.58 dB Ref 10.58 dBm

Start 9.00 kHz Stop 150.00 kHz

#VBW 3.0 kHz\* Sweep 174.0 ms (1001 pts)

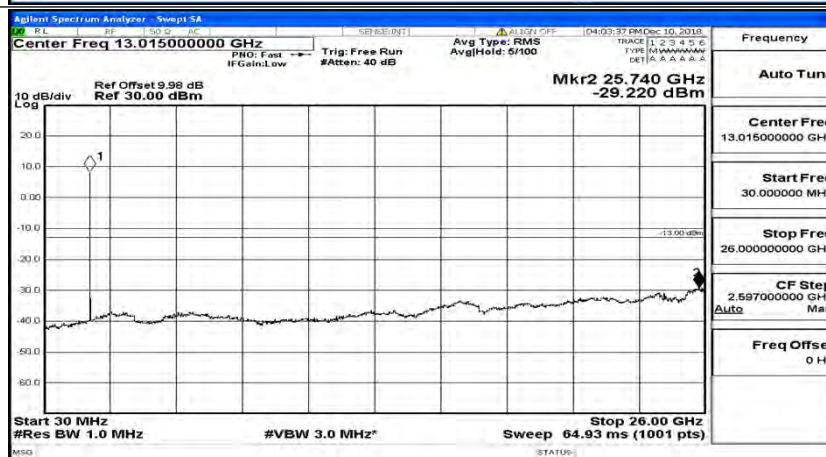
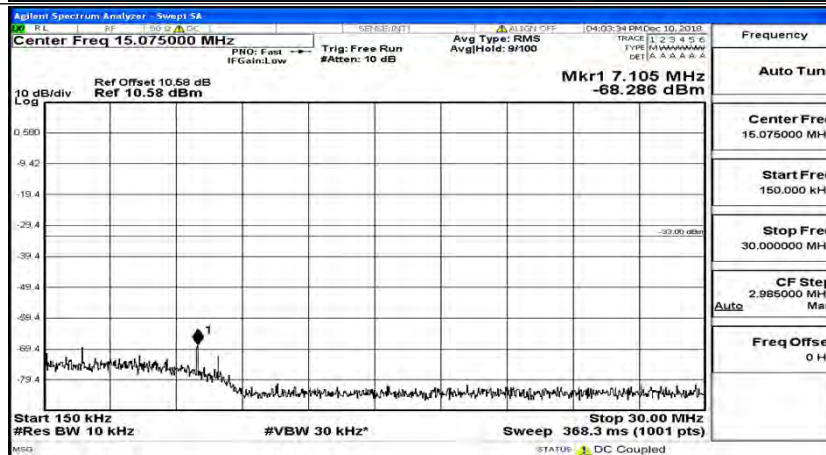
Start Freq 9.000 kHz

Stop Freq 150.000 kHz

CF Step 14.100 kHz

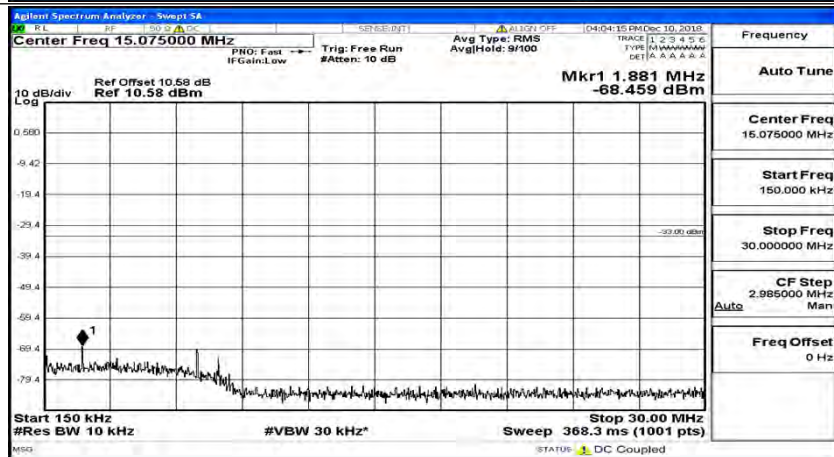
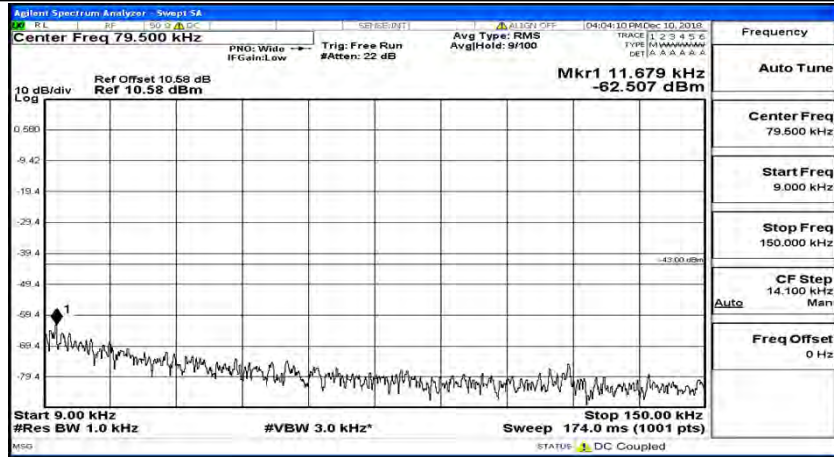
Auto

Freq Offset 0 Hz

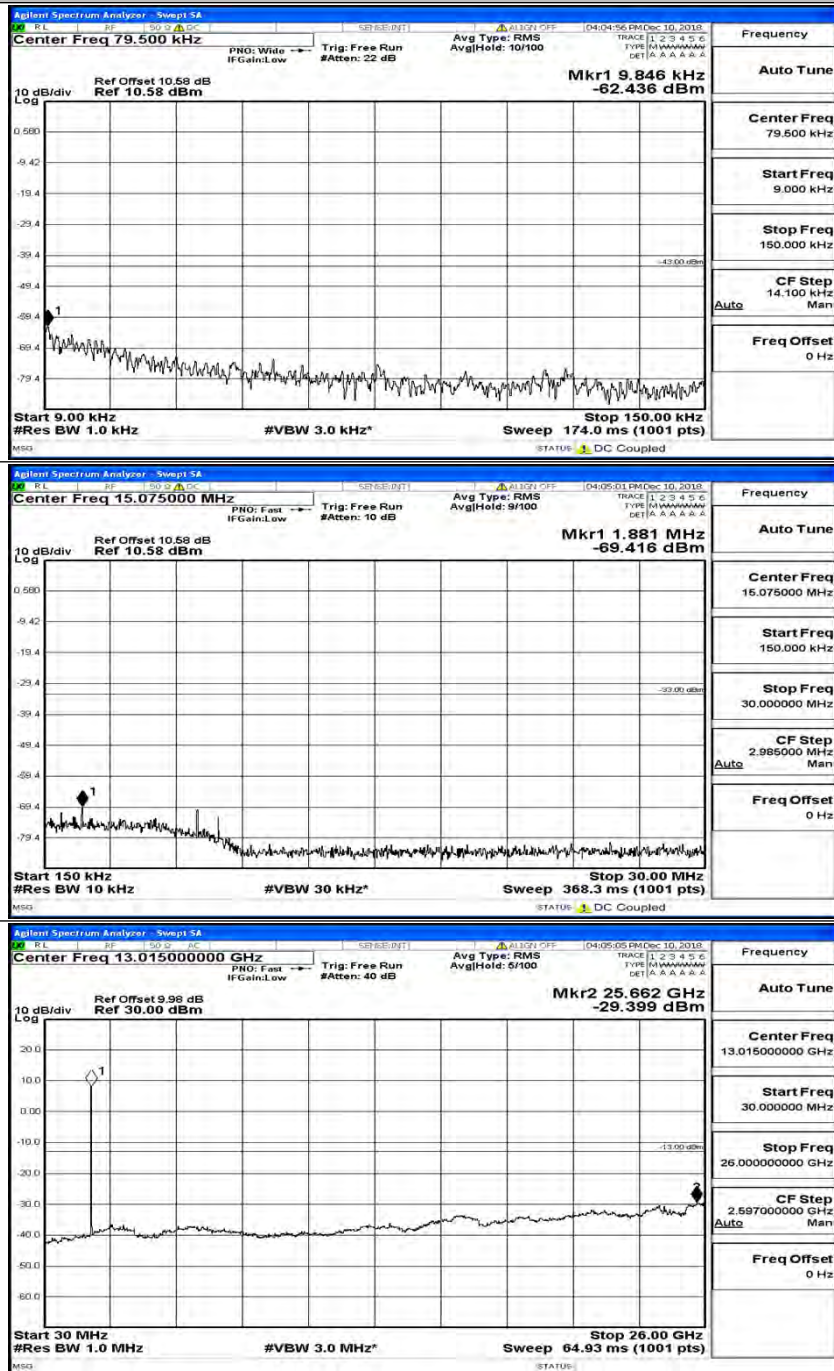




## CSE Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_16QAM



## CSE Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_16QAM



Agilent Spectrum Analyzer - Sweep 56

R1 50.00 dB

Center Freq 79.500 kHz

Span 150.00 kHz

Ref Offset 10.58 dB

Ref 10.58 dBm

10 dB/div

Log

Start 9.00 kHz

Stop 150.00 kHz

#Res BW 1.0 kHz

#VBW 3.0 kHz\*

Sweep 174.0 ms (1001 pts)

Mkr1 9.000 kHz -60.650 dBm

Frequency

Auto Tun

Center Freq 79.500 kHz

Start Freq 9.000 kHz

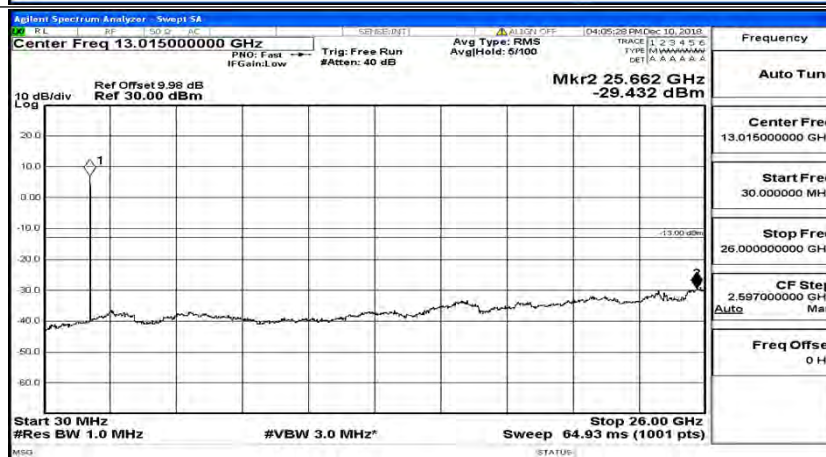
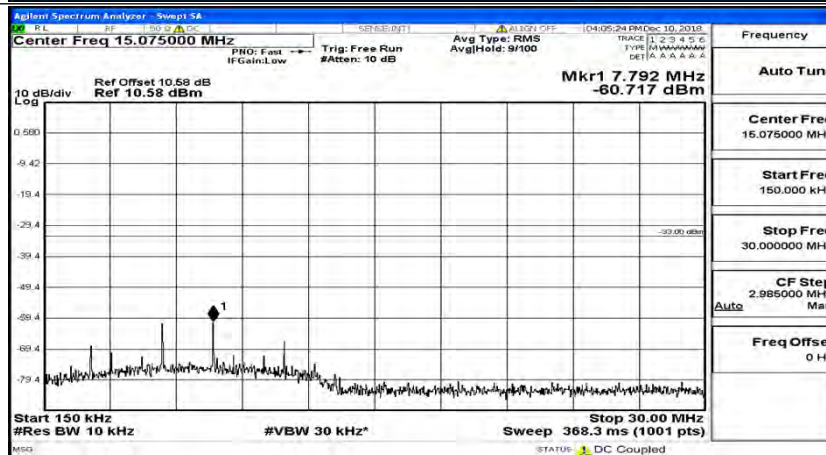
Stop Freq 150.000 kHz

CF Step 14.100 kHz

Auto

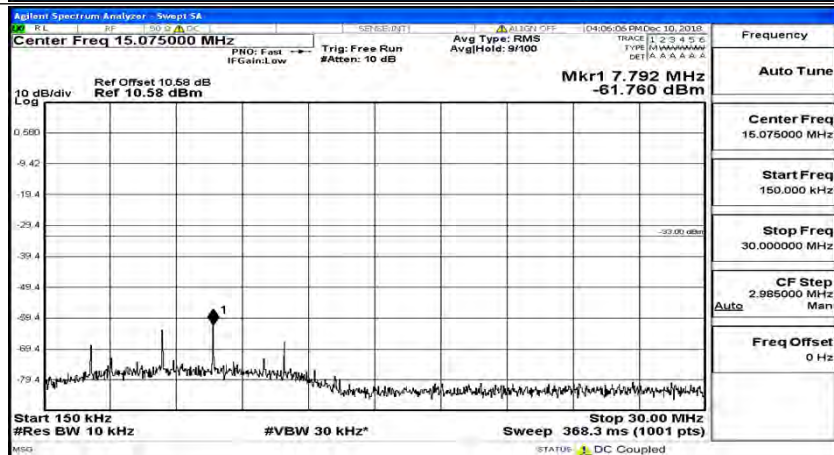
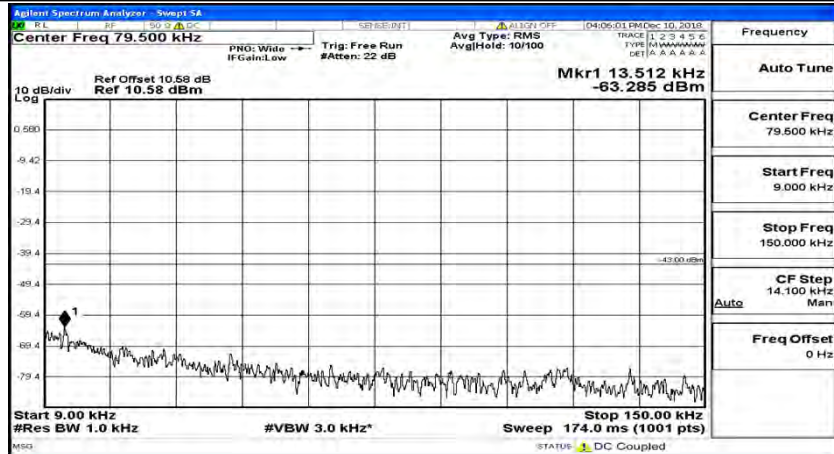
Freq Offset 0 Hz

STATUS DC Coupled





## CSE Test Graph(s) (Channel Bandwidth:15 MHz)\_MCH\_QPSK





Agilent Spectrum Analyzer - Sweep 56

Center Freq 79.500 kHz

Ref Offset 10.58 dB  
Ref 10.58 dBm

Mkr1 9.564 kHz  
-57.182 dBm

Start 9.00 kHz  
Stop 150.0 kHz  
#VBW 3.0 kHz\*  
Sweep 174.0 ms (1001 pts)

10 dB/div  
Log

Start Freq 9.000 kHz  
Stop Freq 150.000 kHz  
CF Step 14.100 kHz  
Auto

Frequency

Auto Tun

Center Freq 79.500 kHz

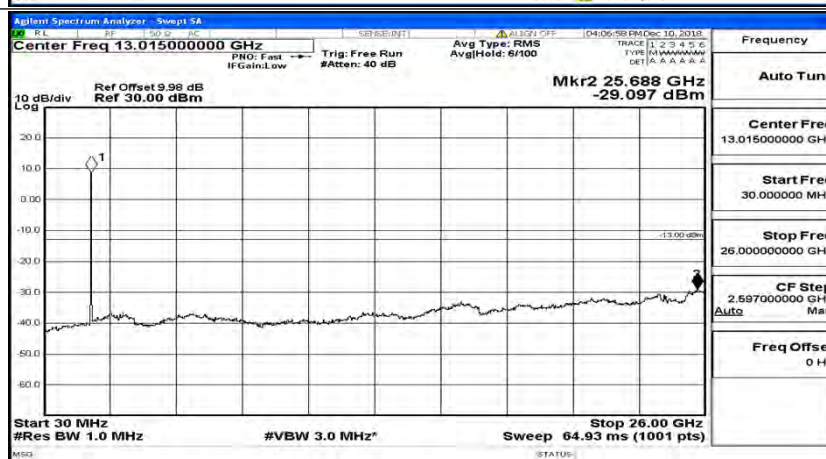
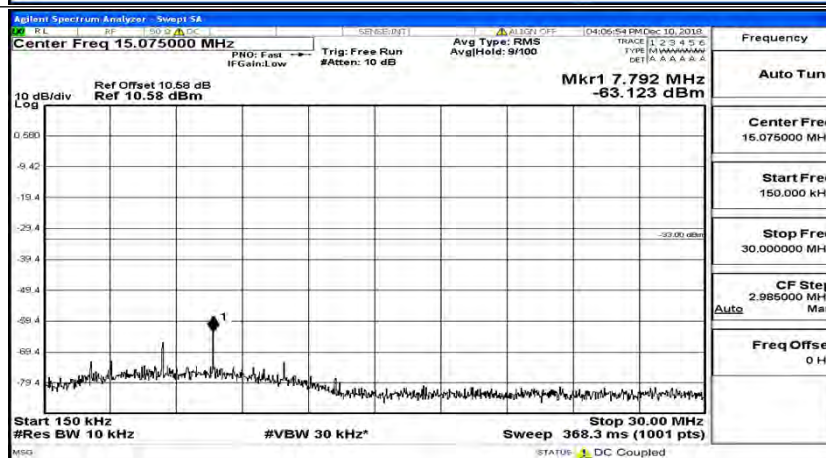
Start Freq 9.000 kHz

Stop Freq 150.000 kHz

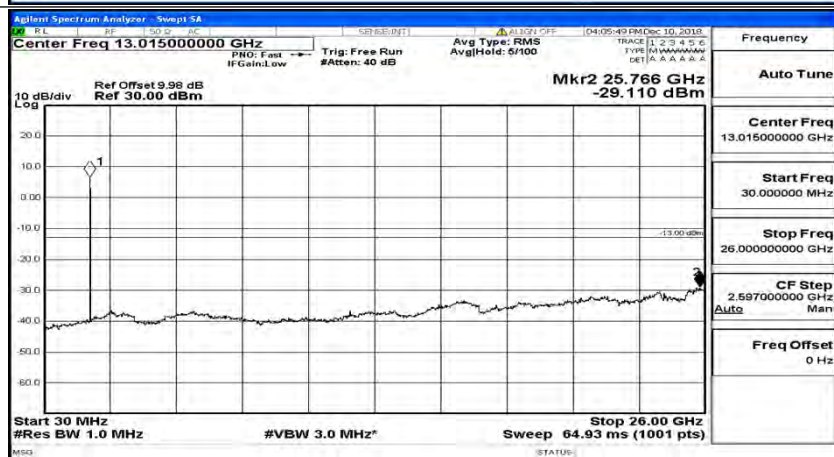
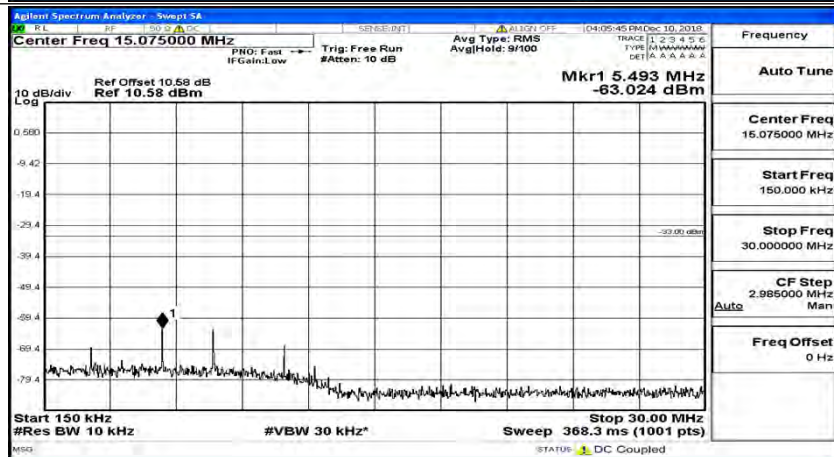
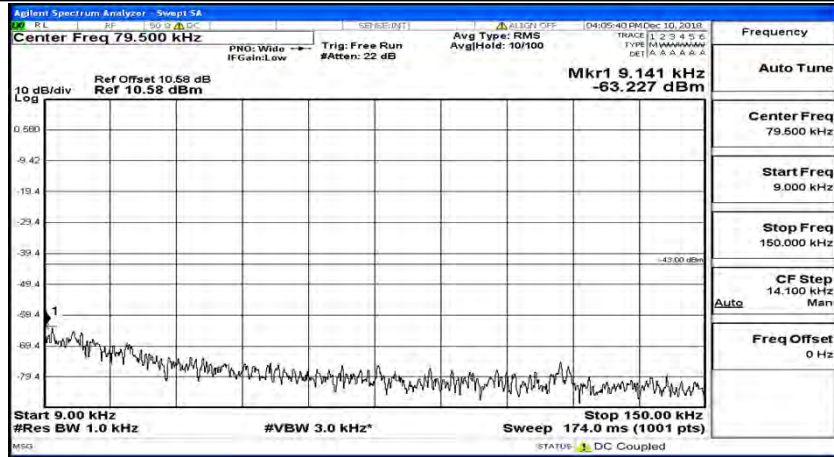
CF Step 14.100 kHz

Auto

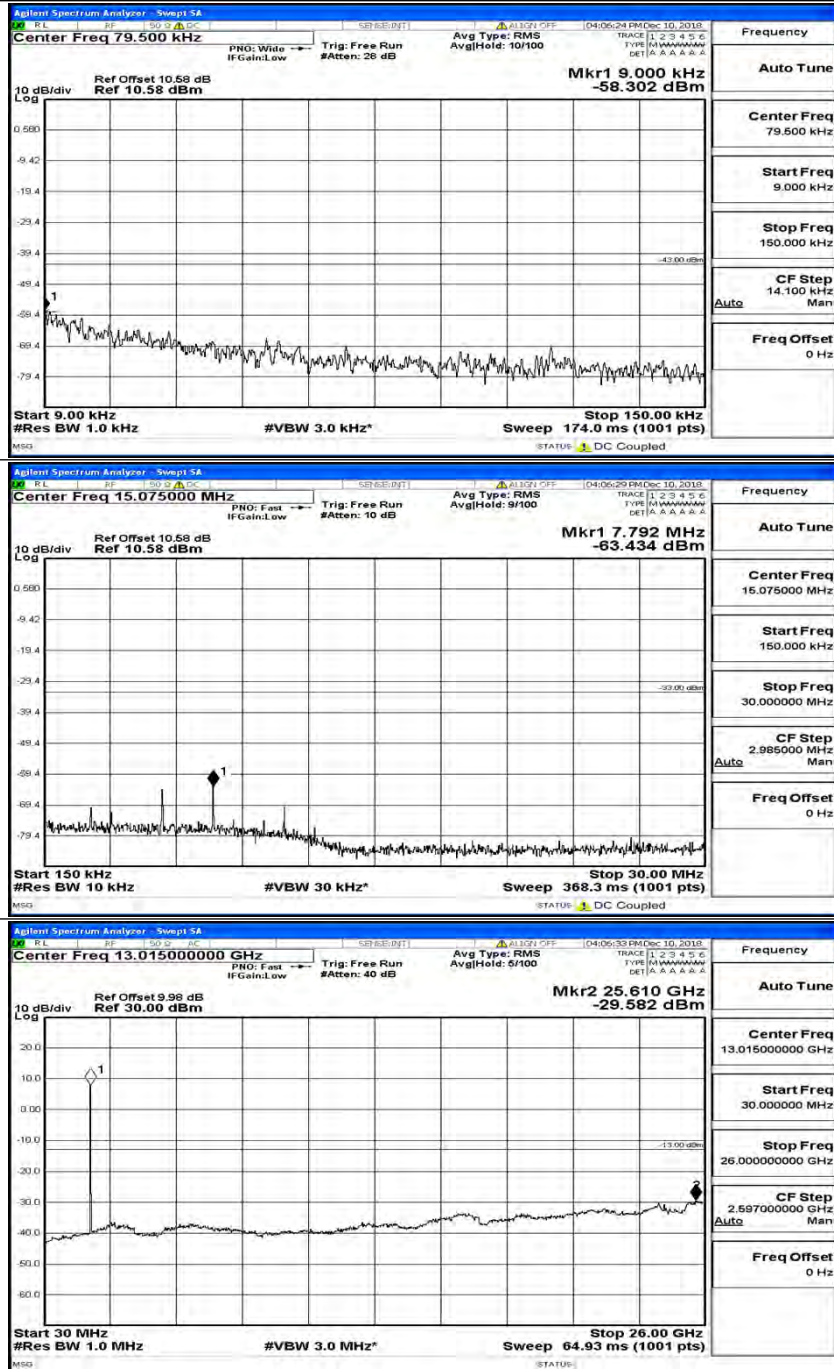
Freq Offset 0 Hz



## CSE Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_16QAM

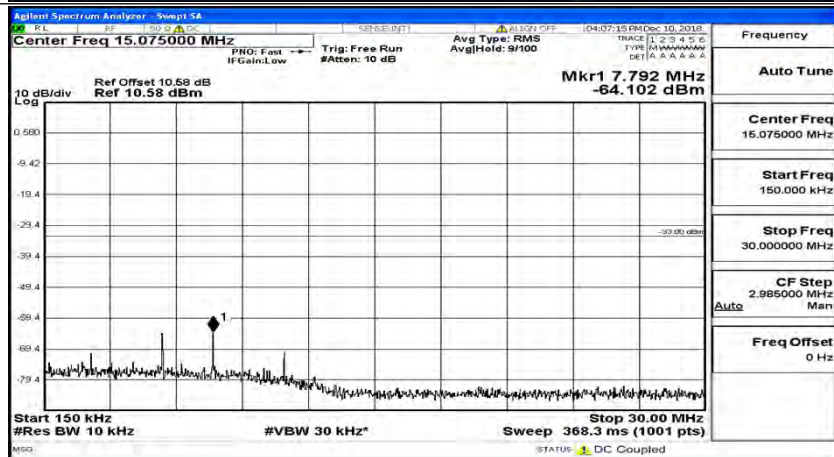
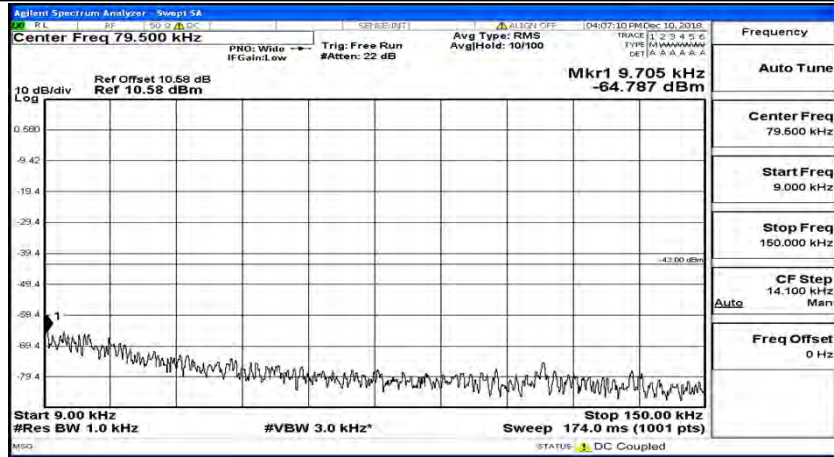


## CSE Test Graph(s) (Channel Bandwidth:15 MHz)\_MCH\_16QAM



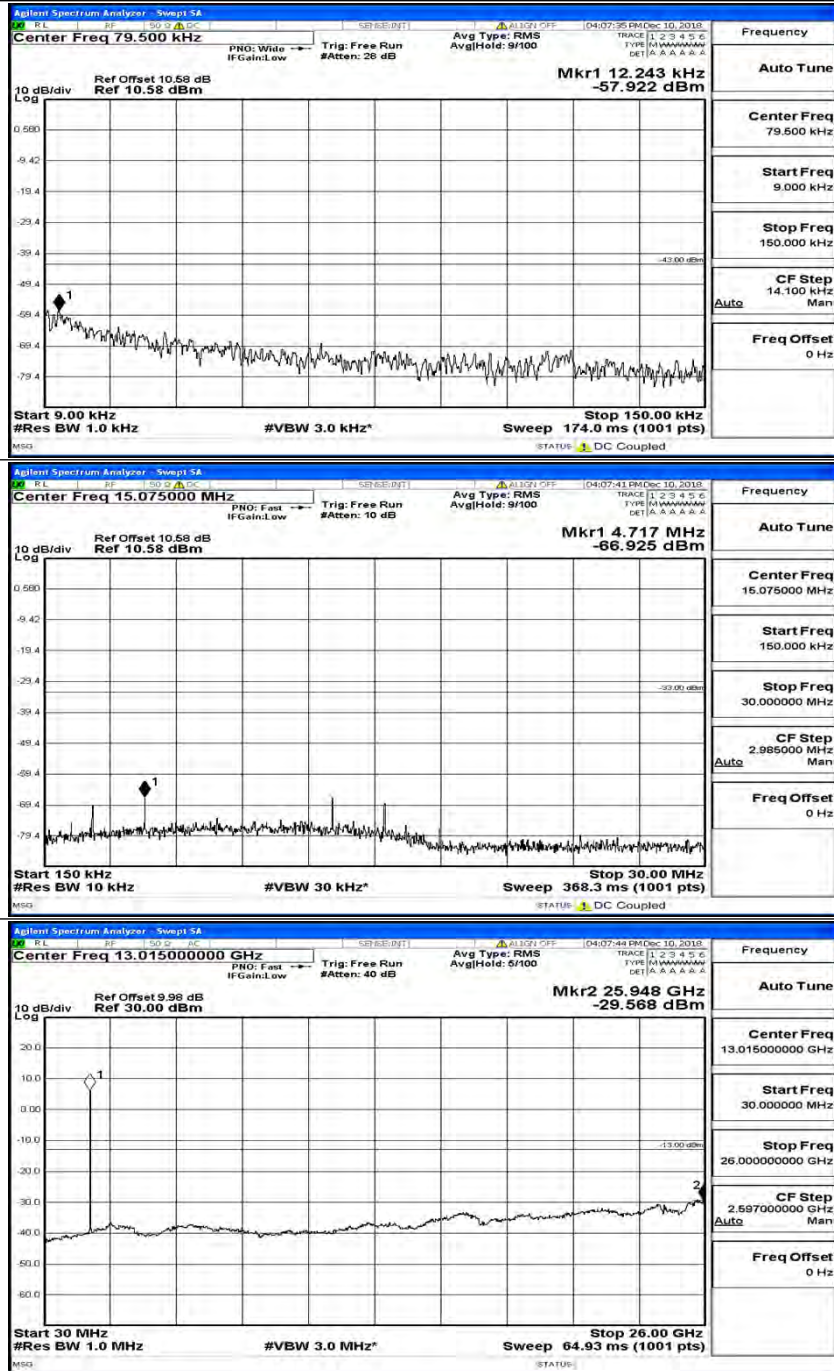


## CSE Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_16QAM

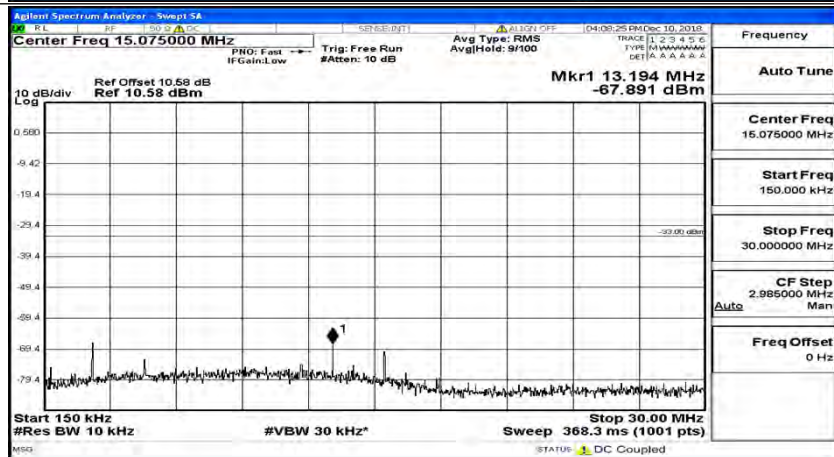
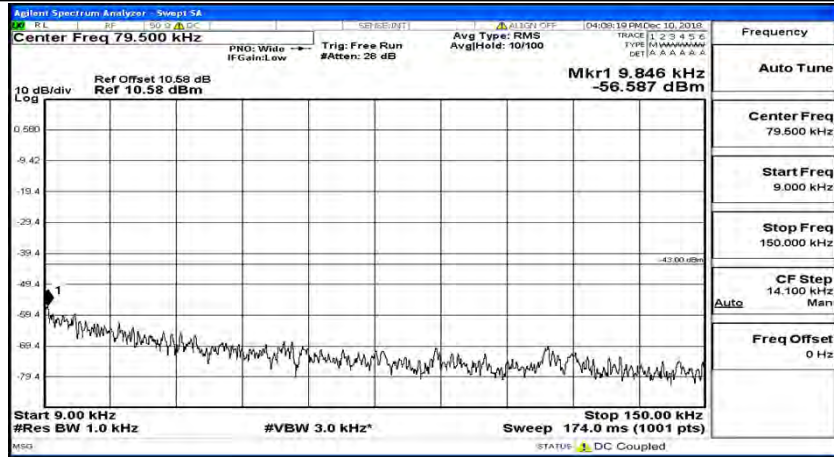




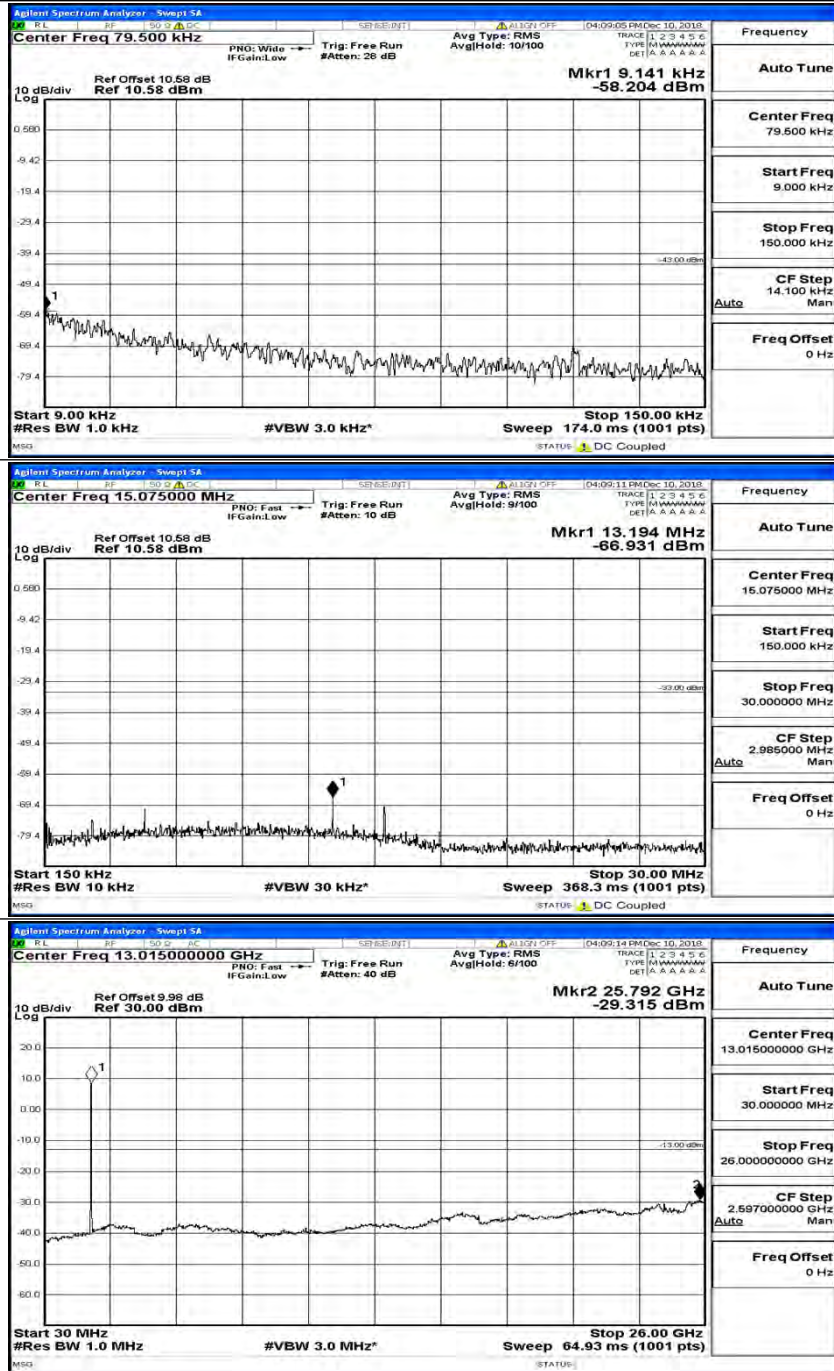
## CSE Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_QPSK



## CSE Test Graph(s) (Channel Bandwidth:20 MHz)\_MCH\_QPSK

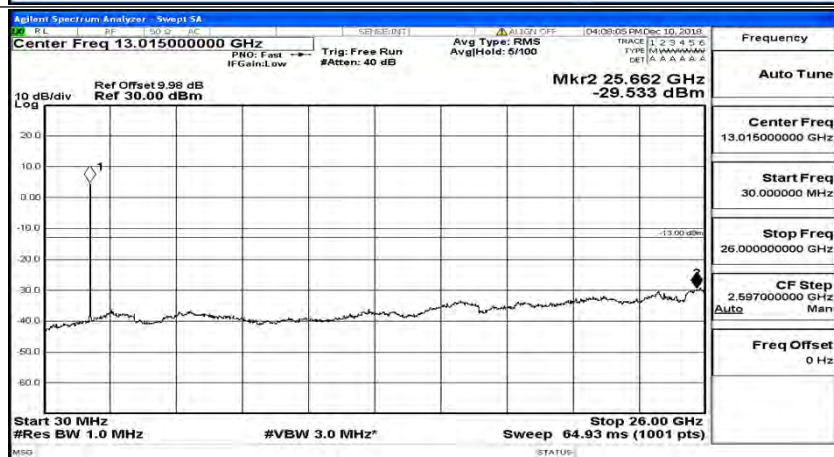
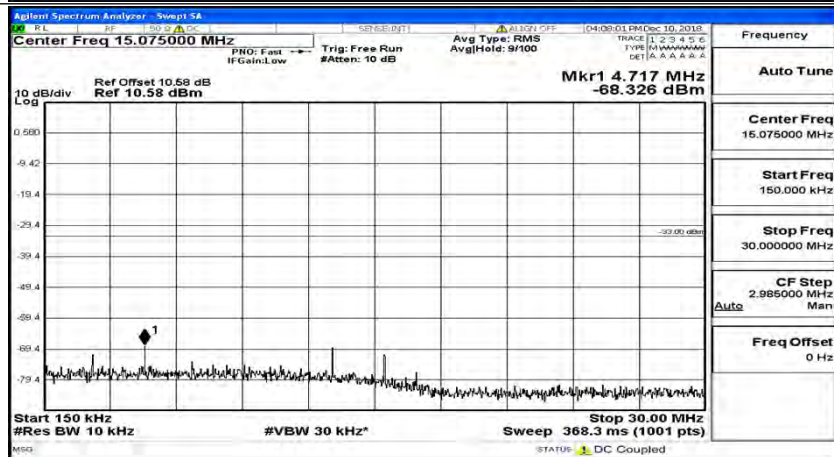
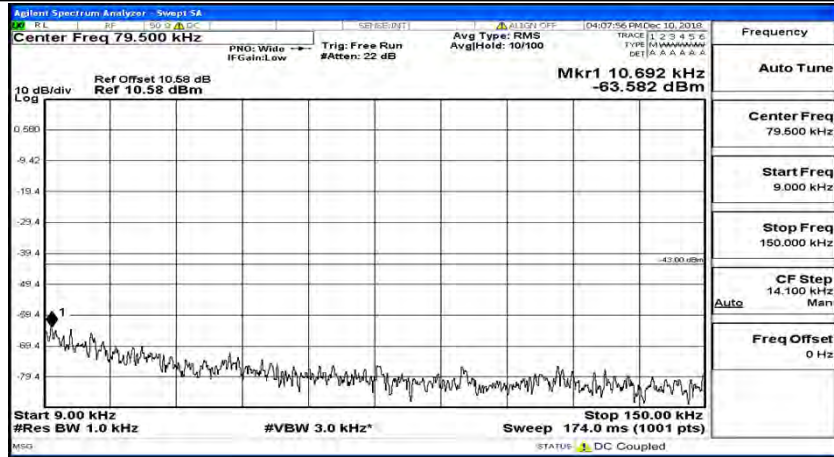


## CSE Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_QPSK



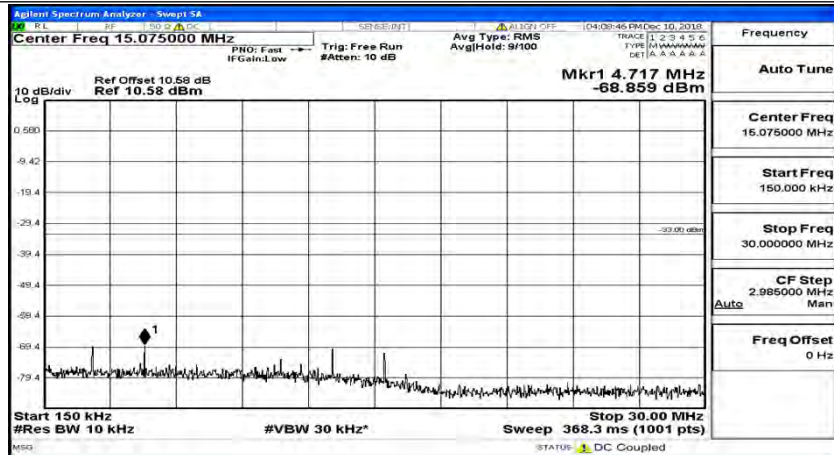
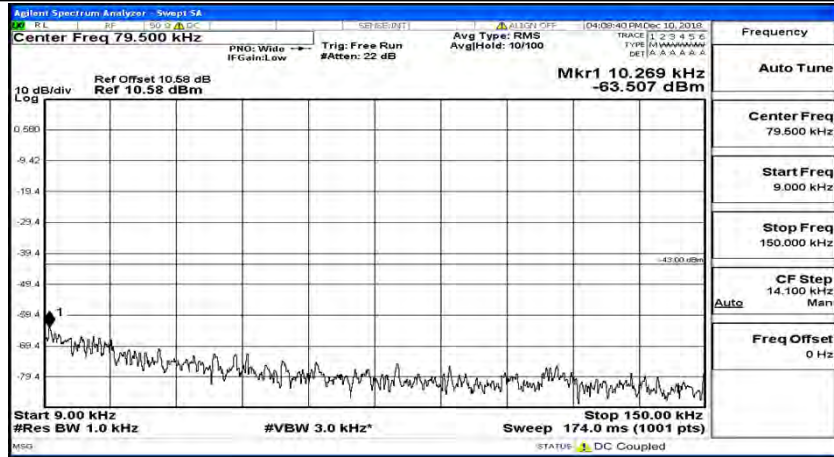


## CSE Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_16QAM





## CSE Test Graph(s) (Channel Bandwidth:20 MHz)\_MCH\_16QAM



## CSE Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_16QAM

