

## Appendix H: Test Data for E-UTRA Band 5

**Product Name: Tablet PC**

**Trade Mark: Bright Life**

**Test Model: TL21**

### Environmental Conditions

Temperature:	24.1° C
Relative Humidity:	53.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond.Lu
Supervised by:	Tom.Liu

### H.1 Conducted Output Power

#### Conducted Output Power Test Result (Channel Bandwidth: 1.4 MHz)

Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK / 16QAM	LCH	1	0	23.78	23.30	PASS
		1	3	23.49	22.85	PASS
		1	5	23.42	22.69	PASS
		3	0	23.25	22.80	PASS
		3	2	22.97	22.34	PASS
		3	3	23.07	22.08	PASS
		6	0	23.00	21.76	PASS
	MCH	1	0	23.94	22.50	PASS
		1	3	23.85	22.53	PASS
		1	5	23.99	22.27	PASS
		3	0	23.75	22.83	PASS
		3	2	23.83	22.72	PASS
		3	3	23.92	22.58	PASS
		6	0	22.82	22.02	PASS
	HCH	1	0	24.04	22.36	PASS
		1	3	24.05	23.38	PASS
		1	5	23.95	23.24	PASS
		3	0	23.96	23.16	PASS
		3	2	23.98	23.16	PASS
		3	3	23.89	23.09	PASS
		6	0	23.37	22.18	PASS

Conducted Output Power Test Result (Channel Bandwidth: 3 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK / 16QAM	LCH	1	0	23.42	22.62	PASS
		1	7	23.54	22.79	PASS
		1	14	23.67	22.93	PASS
		8	0	22.96	21.76	PASS
		8	4	23.12	22.08	PASS
		8	7	23.08	22.20	PASS
		15	0	22.98	21.96	PASS
	MCH	1	0	23.64	22.98	PASS
		1	7	23.85	23.17	PASS
		1	14	23.82	23.15	PASS
		8	0	22.95	21.86	PASS
		8	4	22.99	21.95	PASS
		8	7	22.85	22.11	PASS
		15	0	22.84	22.00	PASS
	HCH	1	0	24.17	23.48	PASS
		1	7	23.90	23.28	PASS
		1	14	23.78	23.21	PASS
		8	0	23.39	22.28	PASS
		8	4	23.38	22.31	PASS
		8	7	23.47	22.31	PASS
		15	0	23.42	22.53	PASS

Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK / 16QAM	LCH	1	0	23.14	22.54	PASS
		1	12	23.52	22.91	PASS
		1	24	24.06	23.47	PASS
		12	0	22.99	22.21	PASS
		12	6	23.17	22.28	PASS
		12	13	22.91	22.05	PASS
		25	0	22.87	22.06	PASS
	MCH	1	0	23.44	22.79	PASS
		1	12	23.81	23.30	PASS
		1	24	23.89	23.26	PASS
		12	0	22.81	21.90	PASS
		12	6	22.96	21.94	PASS
		12	13	22.91	22.13	PASS
		25	0	22.82	21.72	PASS
	HCH	1	0	24.05	23.13	PASS
		1	12	24.27	22.64	PASS
		1	24	23.65	22.48	PASS
		12	0	23.25	22.30	PASS
		12	6	23.22	22.40	PASS
		12	13	23.29	22.34	PASS
		25	0	23.38	22.49	PASS

Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK / 16QAM	LCH	1	0	21.90	21.24	PASS
		1	24	24.46	23.85	PASS
		1	49	23.11	22.48	PASS
		25	0	23.01	22.04	PASS
		25	12	23.03	22.01	PASS
		25	25	22.72	21.69	PASS
		50	0	22.91	21.76	PASS
	MCH	1	0	23.49	22.70	PASS
		1	24	23.98	23.28	PASS
		1	49	23.65	23.02	PASS
		25	0	22.92	21.78	PASS
		25	12	22.96	21.80	PASS
		25	25	23.00	21.86	PASS
		50	0	22.85	21.71	PASS
	HCH	1	0	23.75	23.23	PASS
		1	24	24.46	23.93	PASS
		1	49	23.13	22.61	PASS
		25	0	23.25	22.22	PASS
		25	12	23.16	22.13	PASS
		25	25	23.31	22.21	PASS
		50	0	23.25	22.16	PASS

## H.2 Peak-to-Average Ratio

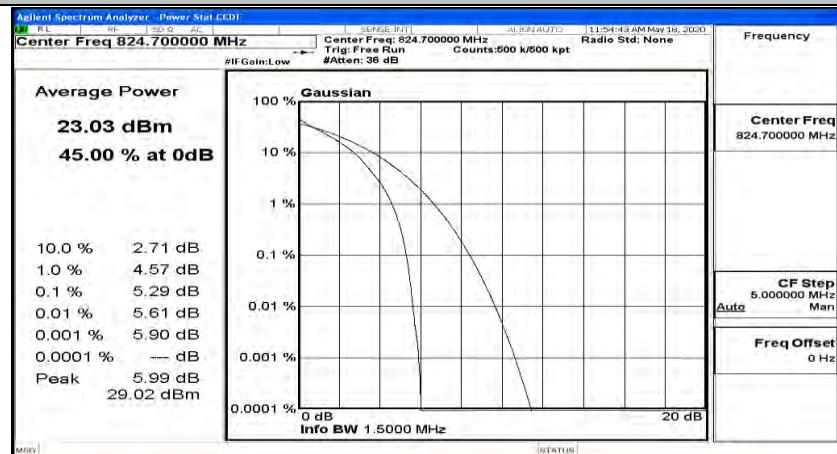
Peak-to Average Ratio Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.29	<13	PASS
	MCH	5.25	<13	PASS
	HCH	4.76	<13	PASS
16QAM	LCH	6.1	<13	PASS
	MCH	6.2	<13	PASS
	HCH	5.63	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.31	<13	PASS
	MCH	5.28	<13	PASS
	HCH	4.95	<13	PASS
16QAM	LCH	6.24	<13	PASS
	MCH	6.19	<13	PASS
	HCH	5.86	<13	PASS

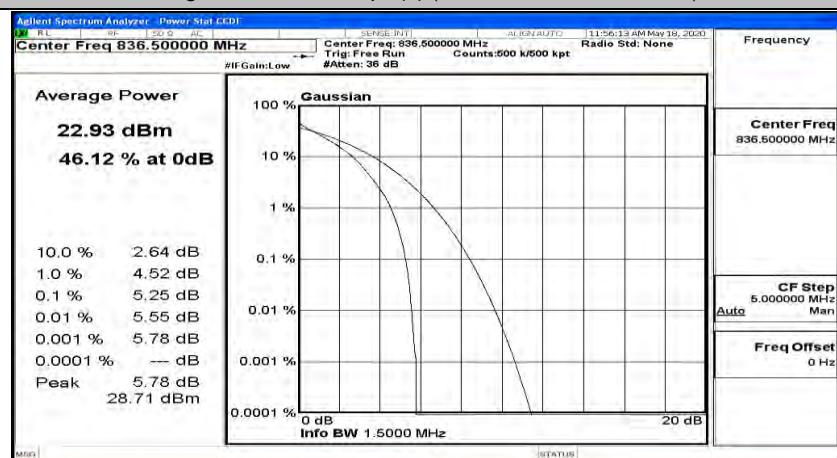
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.15	<13	PASS
	MCH	5.24	<13	PASS
	HCH	4.88	<13	PASS
16QAM	LCH	6.01	<13	PASS
	MCH	6.1	<13	PASS
	HCH	5.73	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.99	<13	PASS
	MCH	5.2	<13	PASS
	HCH	4.99	<13	PASS
16QAM	LCH	5.87	<13	PASS
	MCH	5.98	<13	PASS
	HCH	5.81	<13	PASS

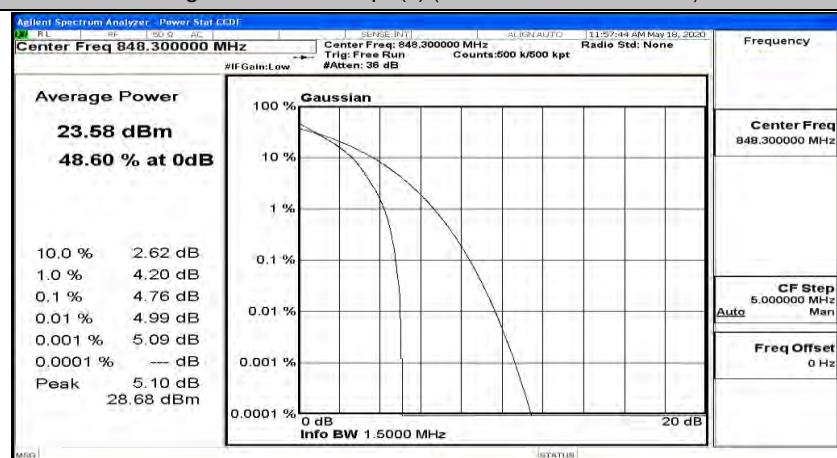
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK



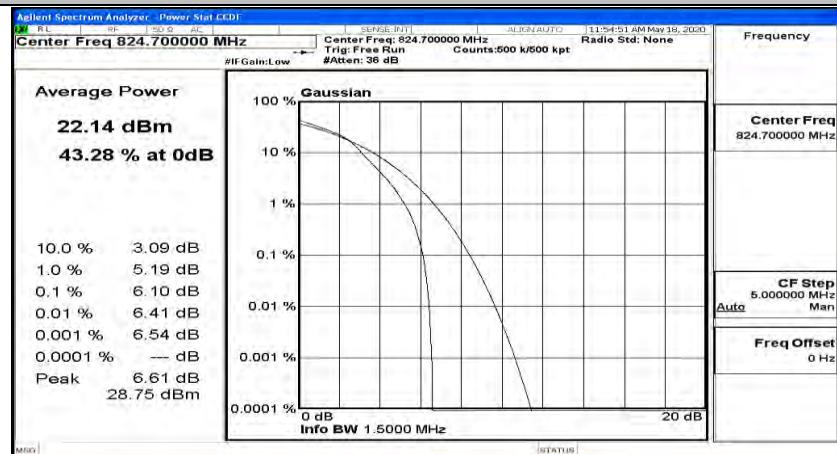
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK



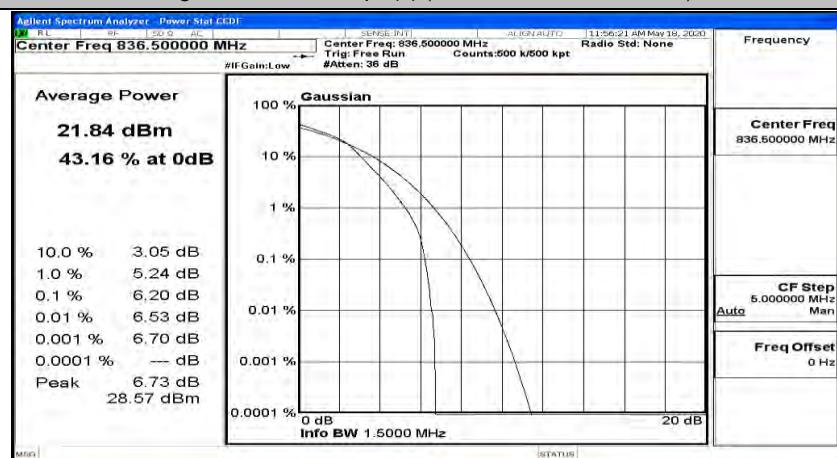
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK



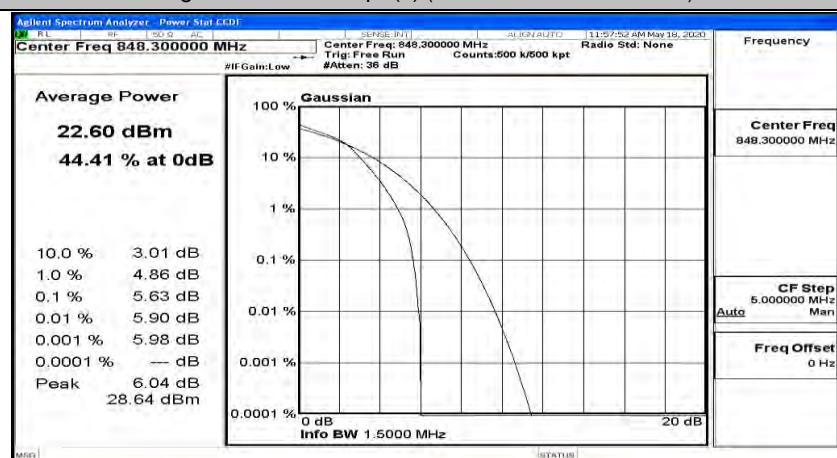
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM



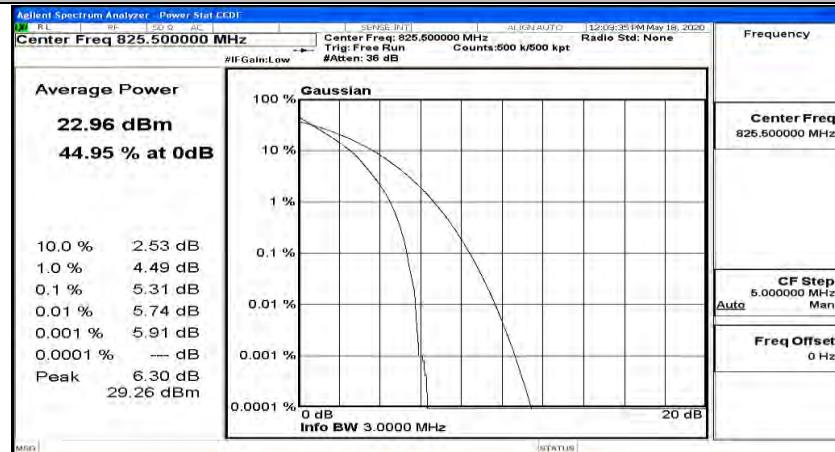
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM



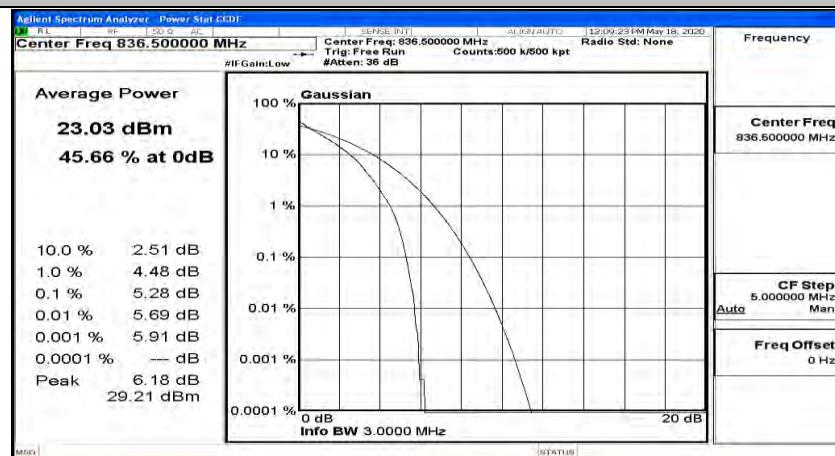
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM



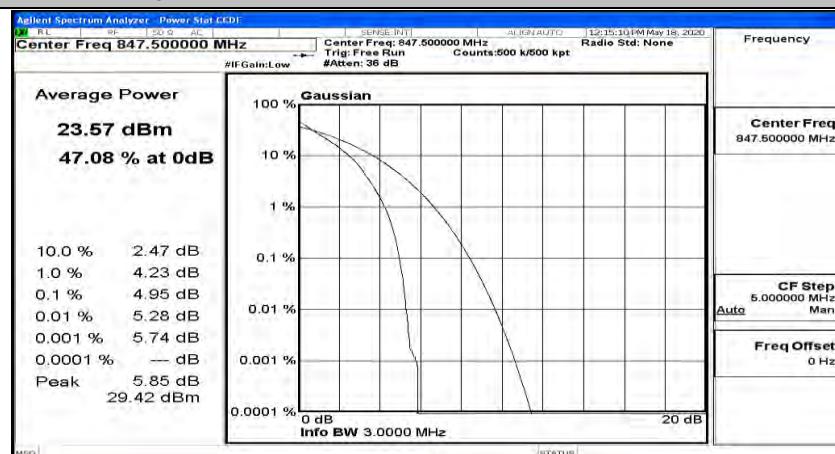
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_QPSK



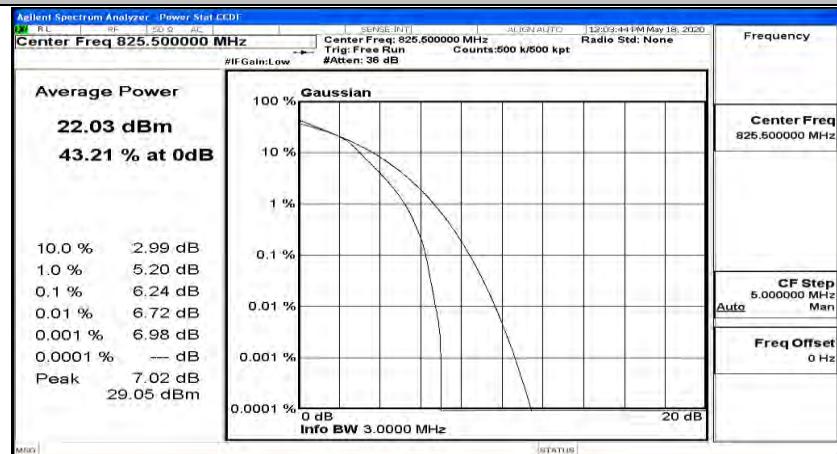
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_MCH\_QPSK



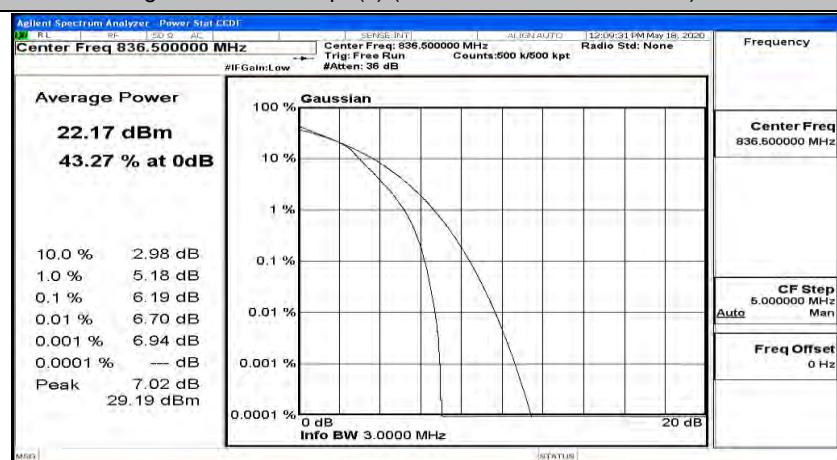
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_QPSK



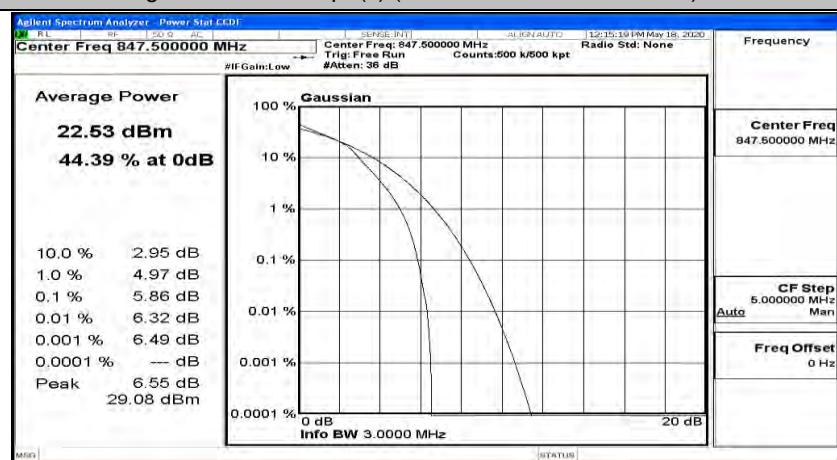
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_16QAM



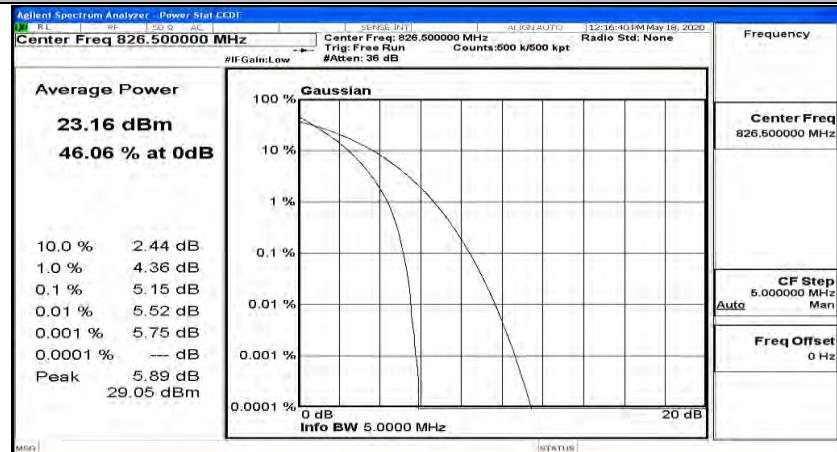
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_MCH\_16QAM



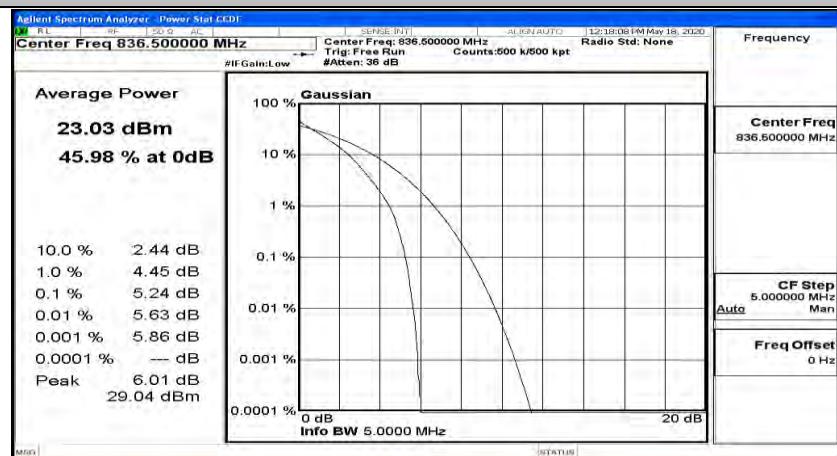
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz) \_HCH\_16QAM



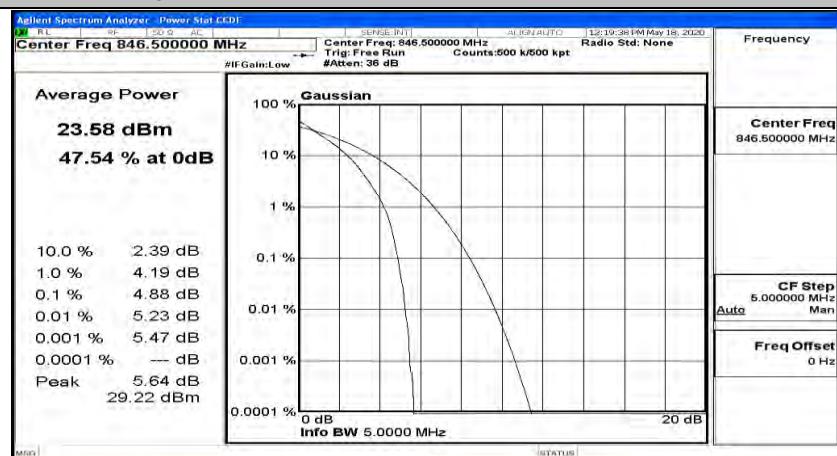
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_QPSK



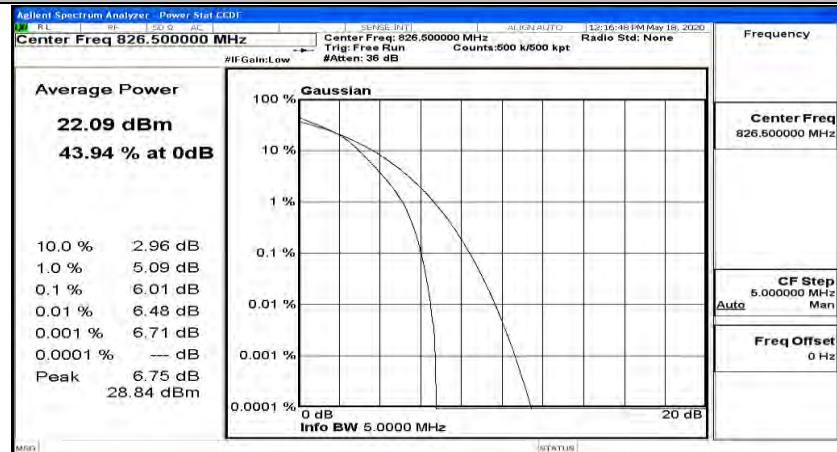
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_QPSK



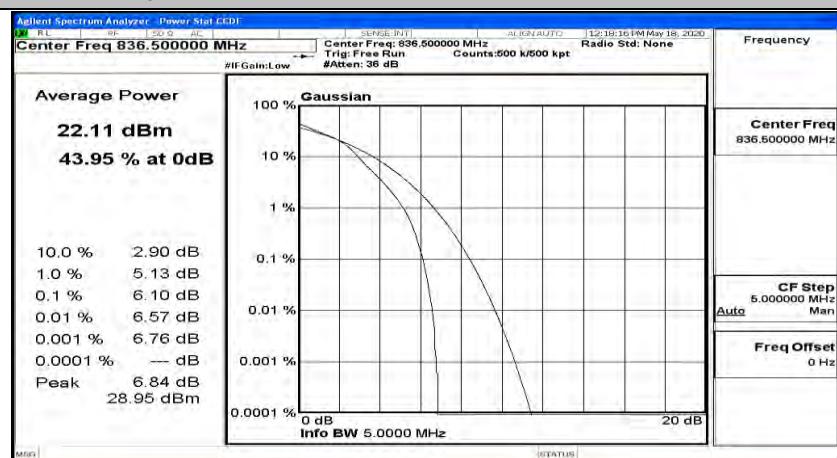
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_QPSK



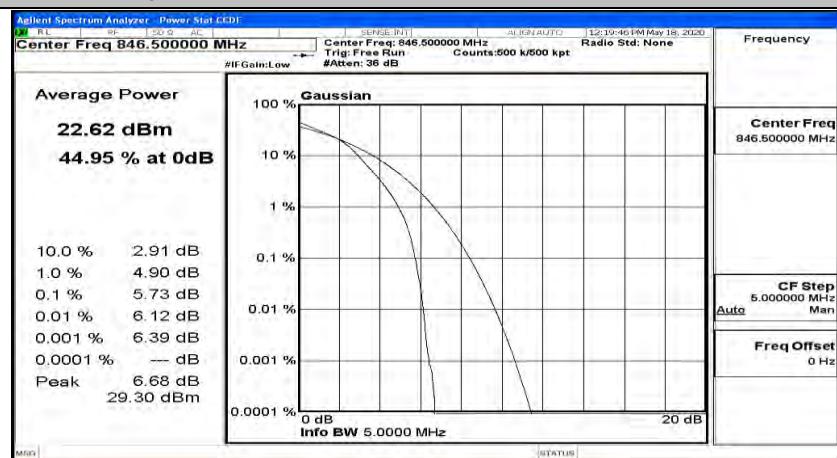
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_16QAM



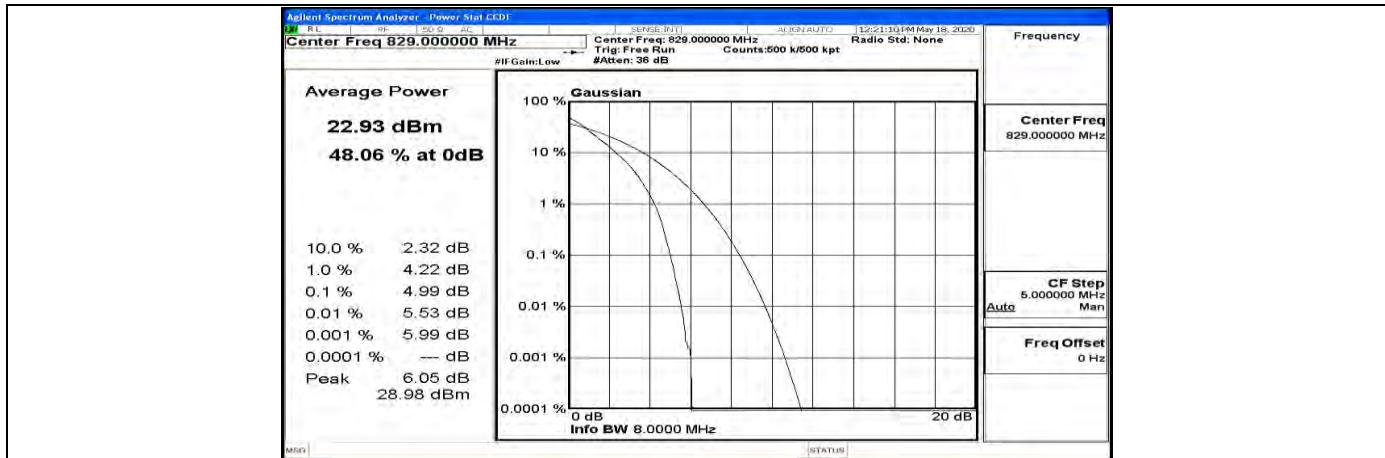
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_16QAM



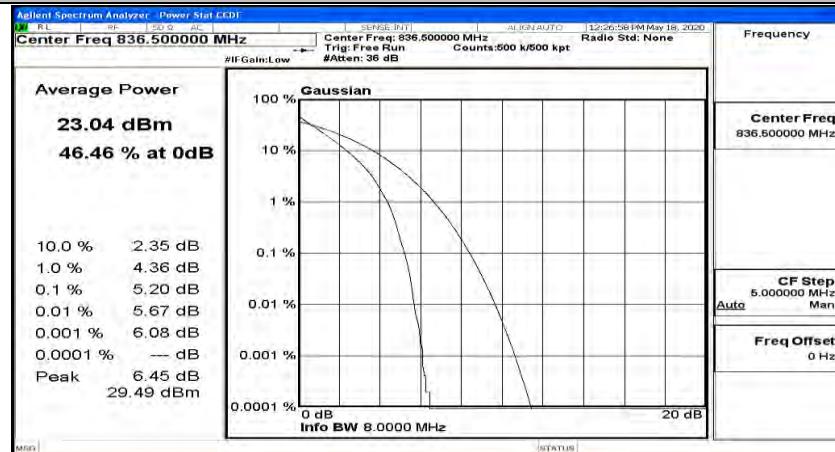
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM



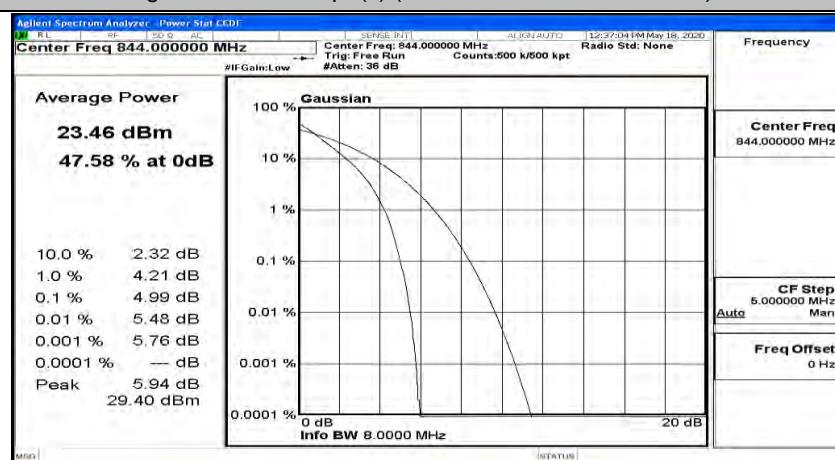
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK



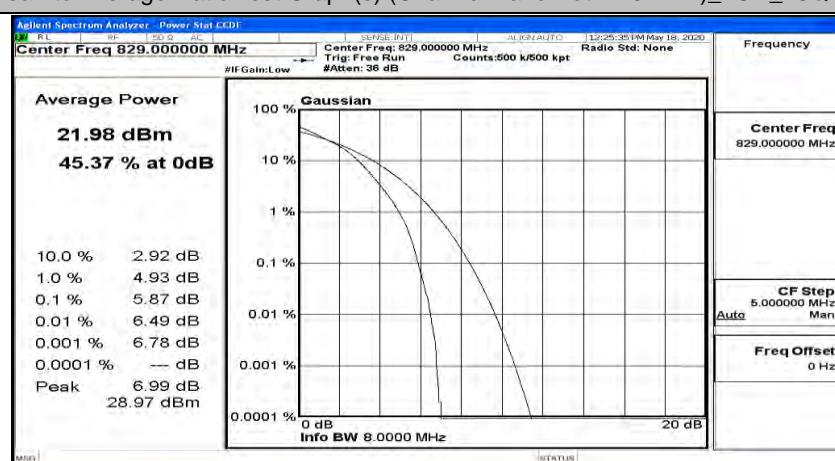
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_QPSK



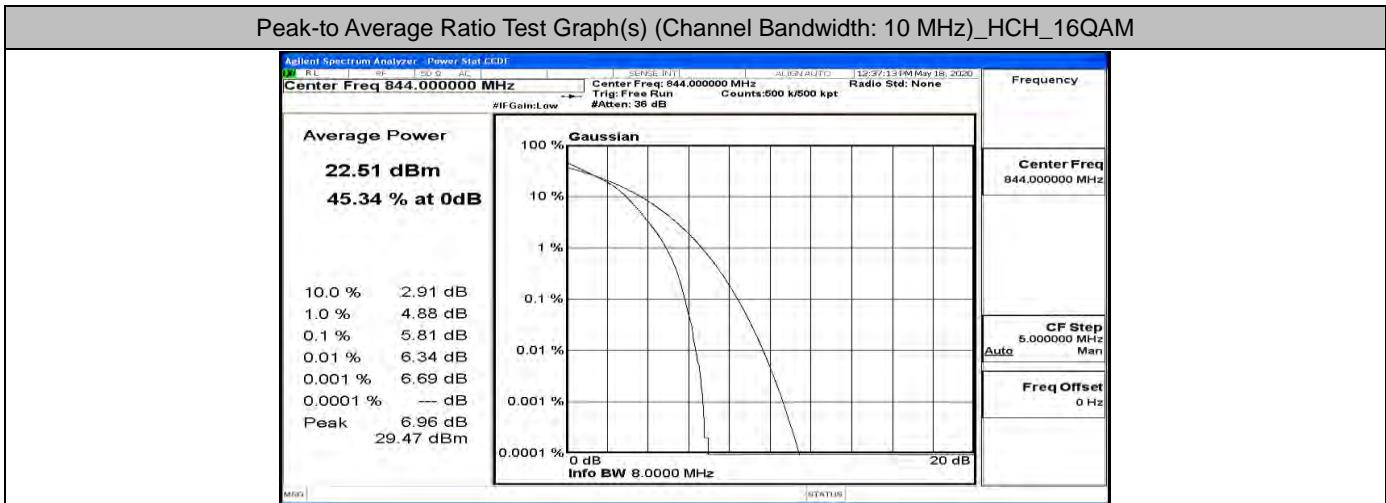
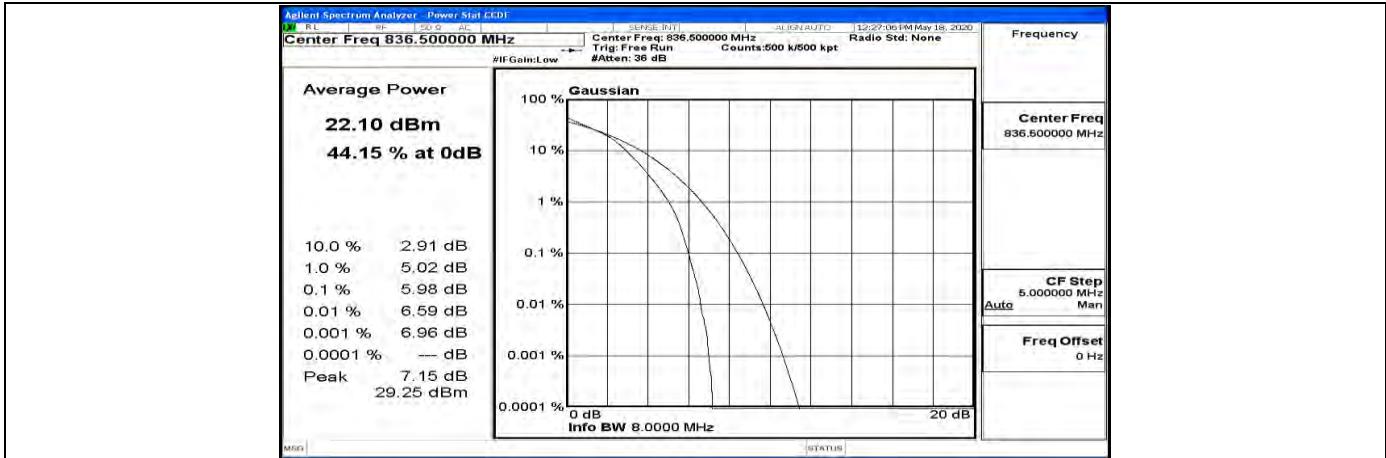
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_QPSK



## 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



### H.3 26dB Bandwidth and Occupied Bandwidth

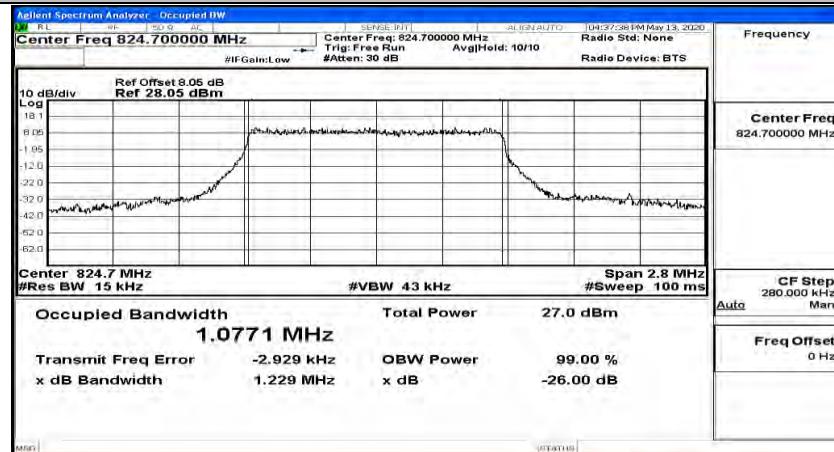
EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	1.0771	1.229	PASS
	MCH	1.0743	1.209	PASS
	HCH	1.0760	1.228	PASS
16QAM	LCH	1.0805	1.233	PASS
	MCH	1.0797	1.231	PASS
	HCH	1.0782	1.232	PASS

EBW & OBW Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	2.6854	2.899	PASS
	MCH	2.6790	2.894	PASS
	HCH	2.6852	2.899	PASS
16QAM	LCH	2.6845	2.913	PASS
	MCH	2.6853	2.876	PASS
	HCH	2.6845	2.900	PASS

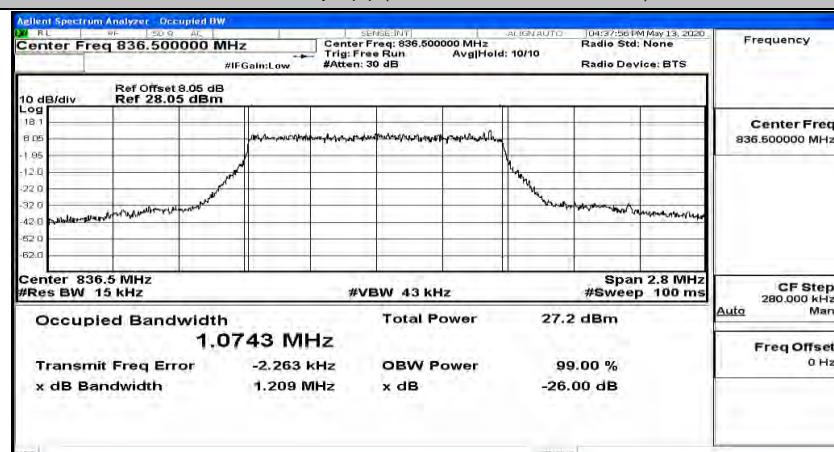
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4795	4.787	PASS
	MCH	4.4800	4.828	PASS
	HCH	4.4727	4.793	PASS
16QAM	LCH	4.4674	4.782	PASS
	MCH	4.4759	4.798	PASS
	HCH	4.4793	4.817	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.8977	9.468	PASS
	MCH	8.9479	9.544	PASS
	HCH	8.9212	9.425	PASS
16QAM	LCH	8.8955	9.359	PASS
	MCH	8.9298	9.458	PASS
	HCH	8.9351	9.403	PASS

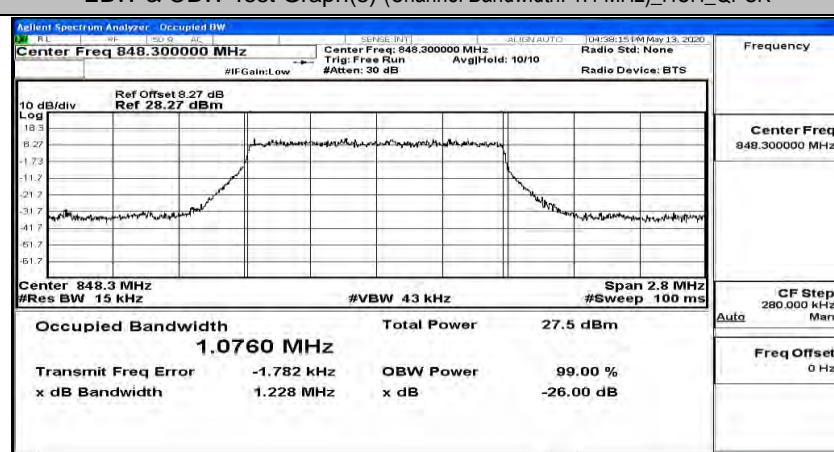
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK



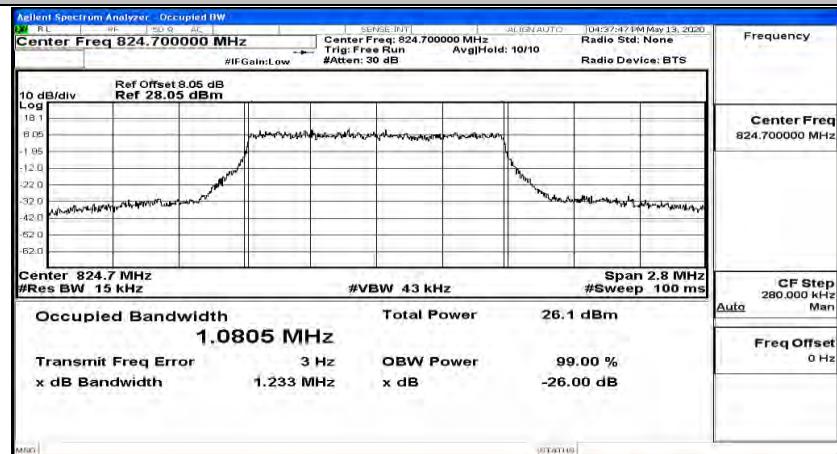
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK



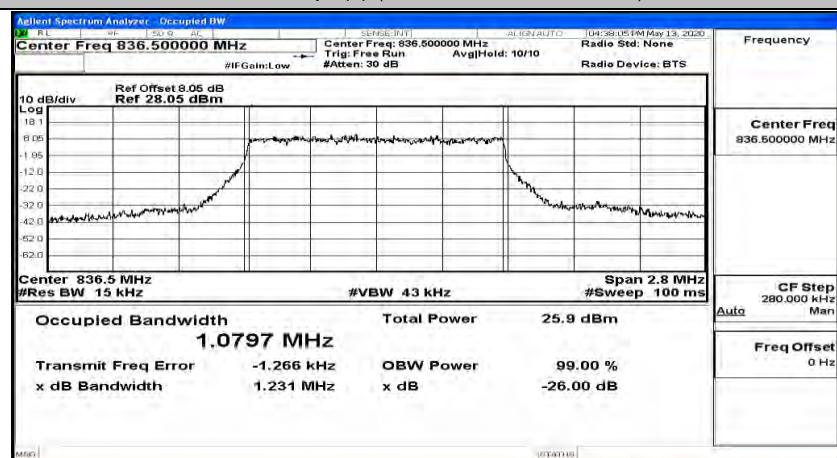
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK



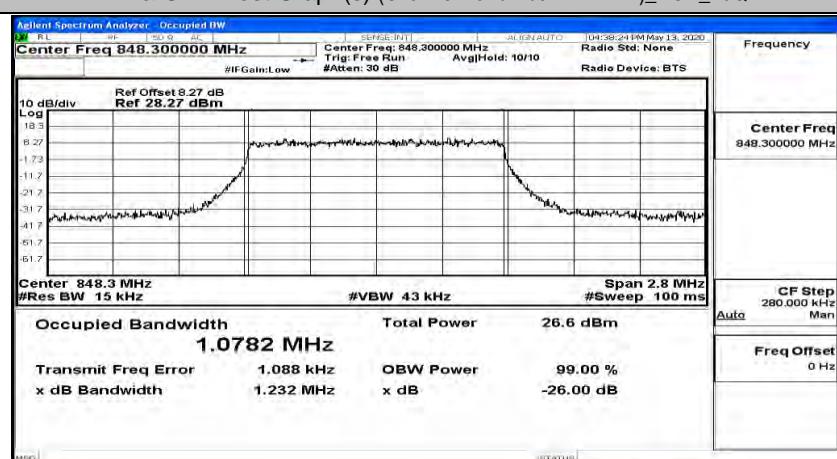
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM



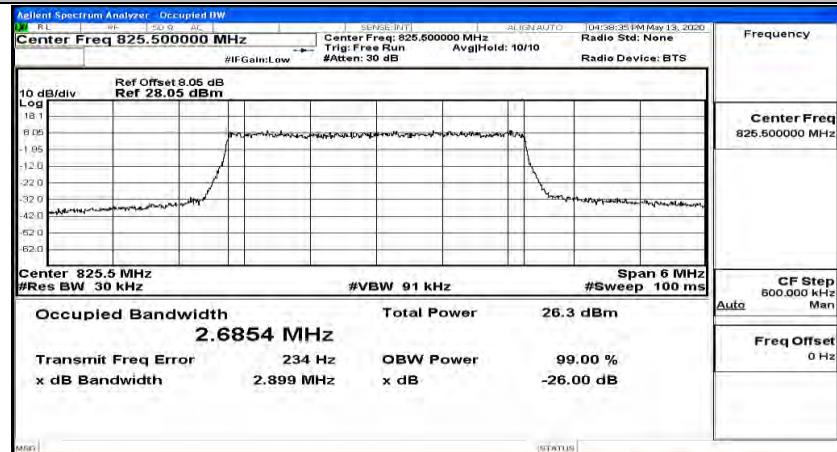
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM



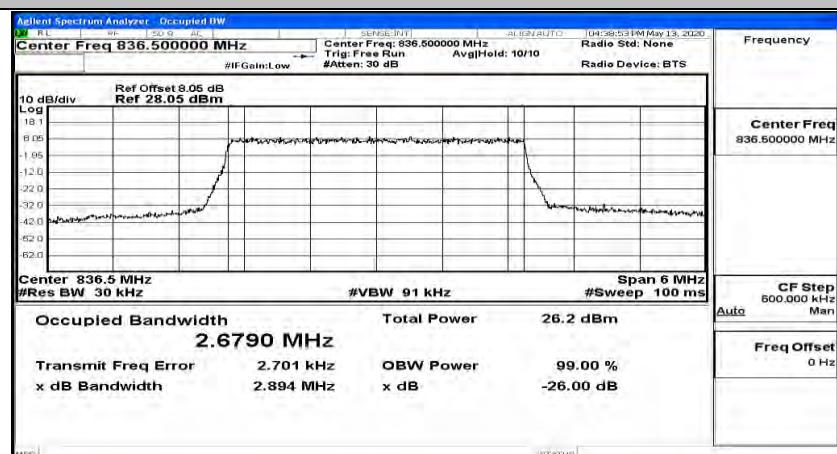
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM



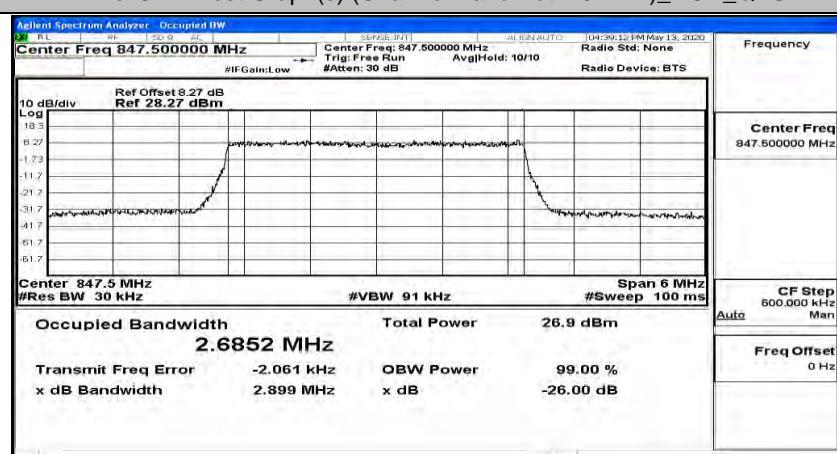
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_QPSK



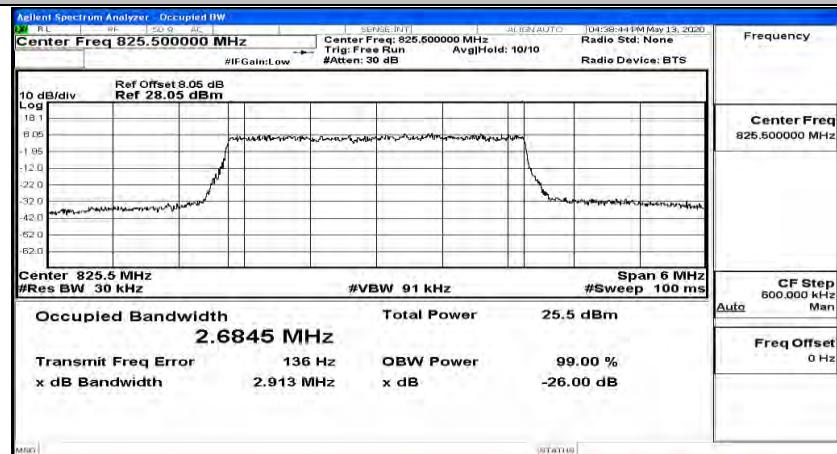
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_MCH\_QPSK



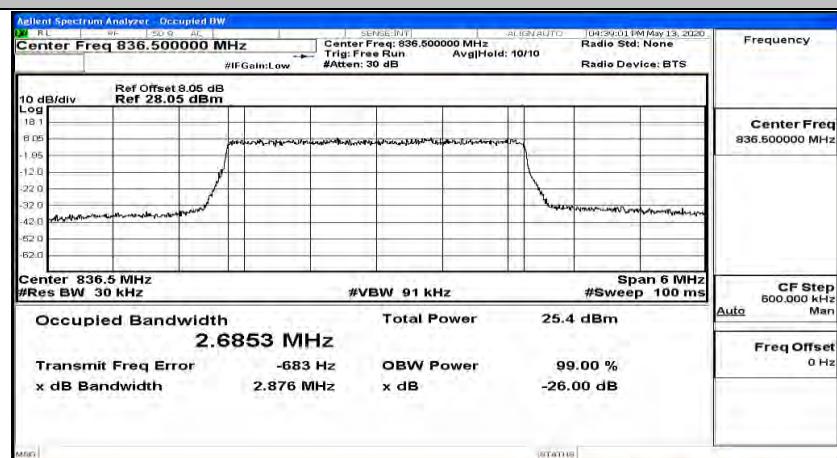
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_QPSK



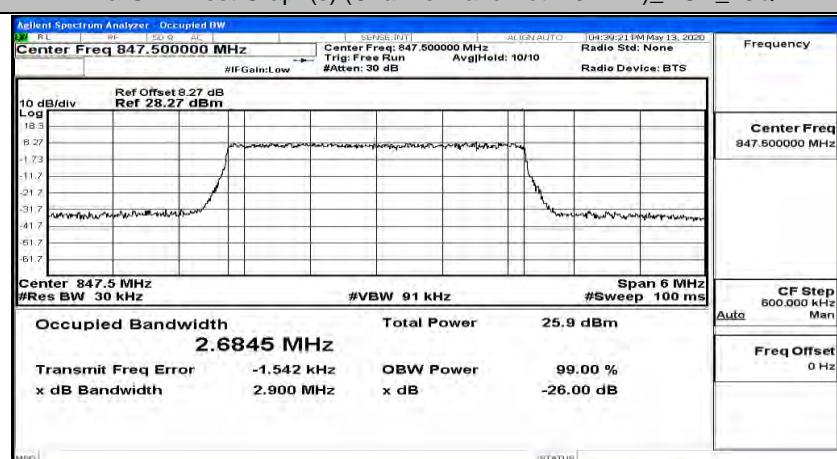
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_16QAM



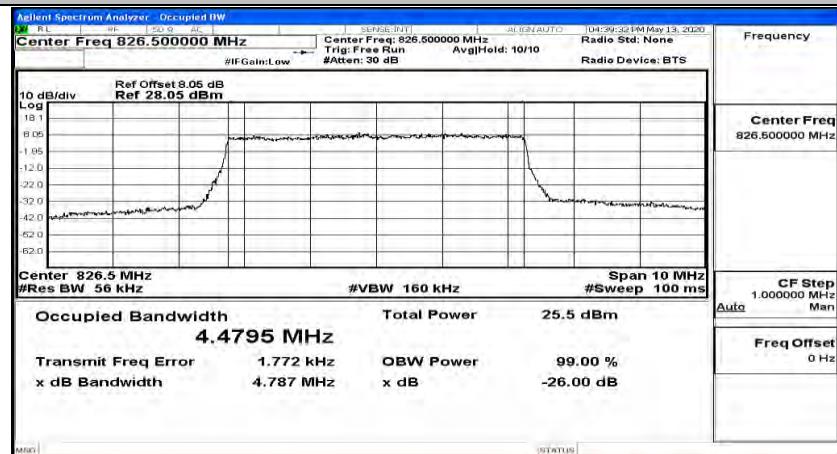
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_MCH\_16QAM



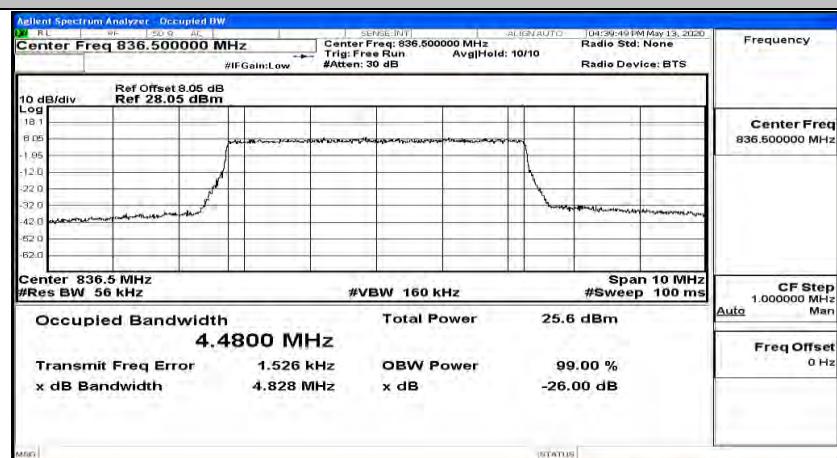
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_16QAM



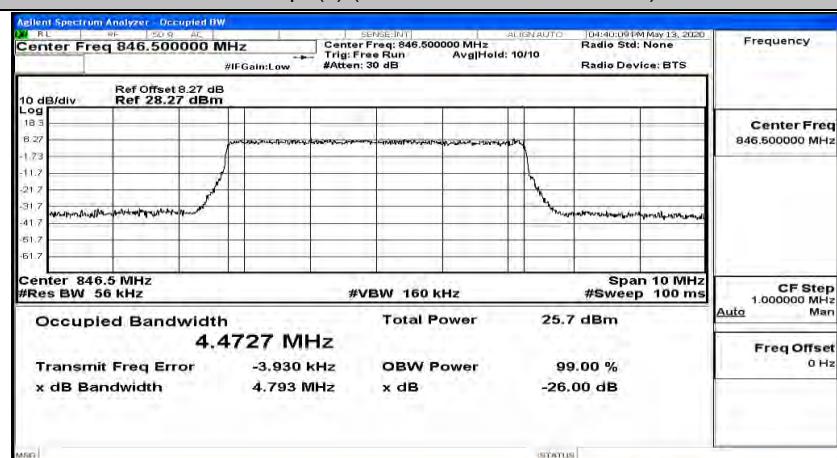
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_QPSK



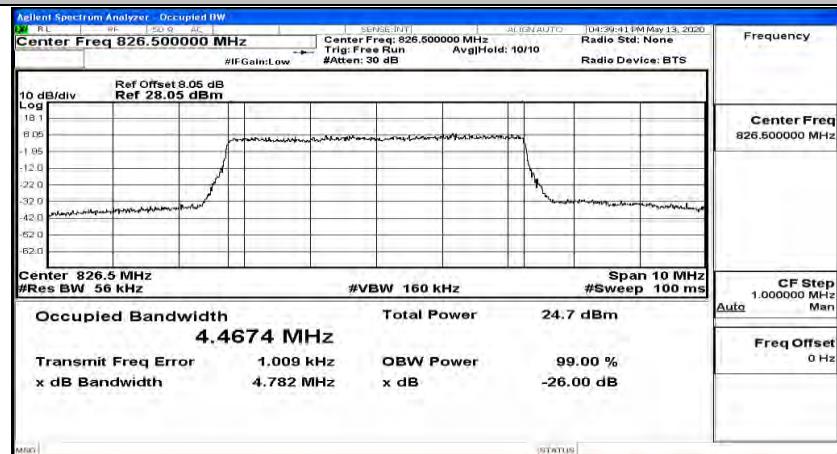
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_QPSK



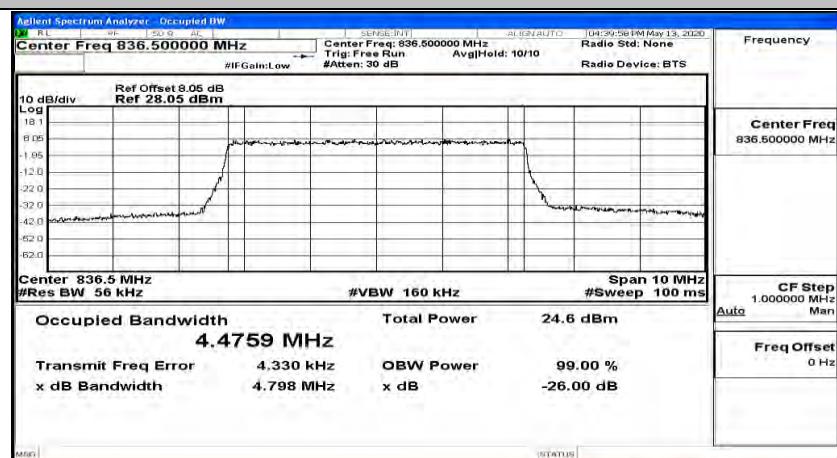
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_QPSK



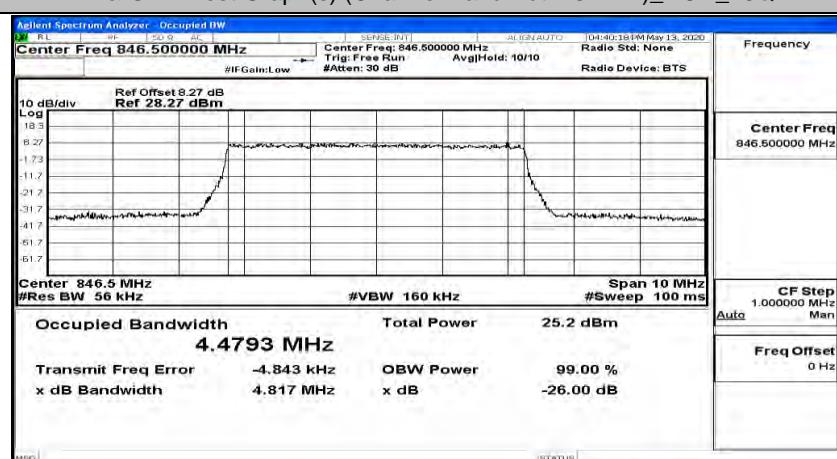
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_16QAM



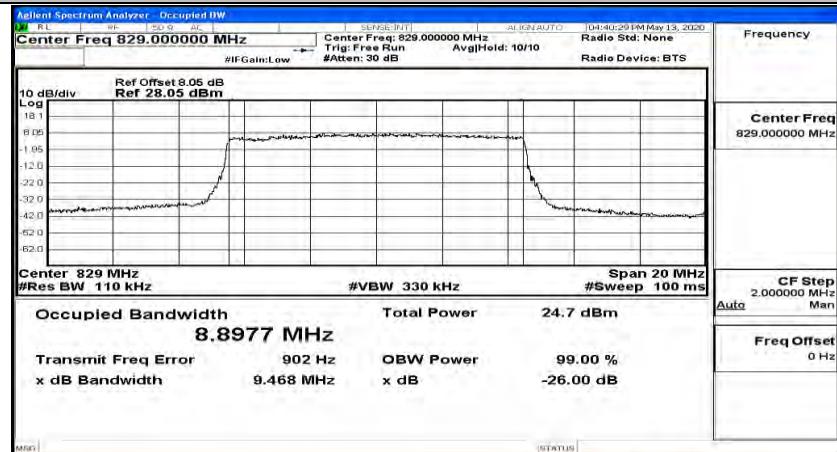
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_16QAM



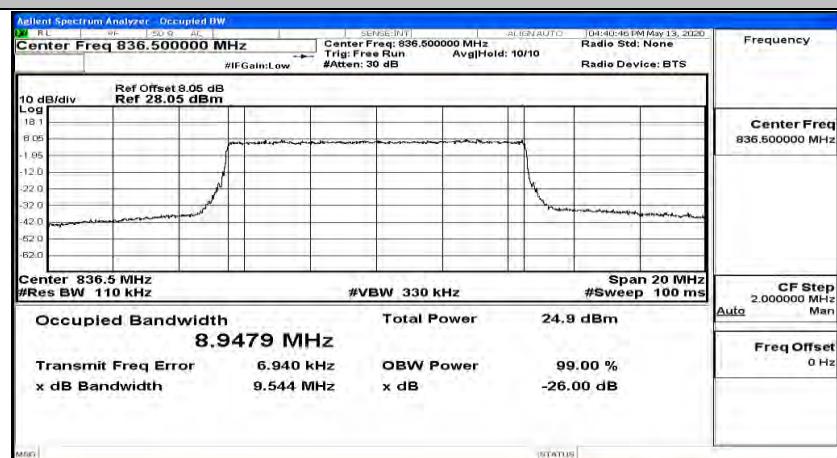
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM



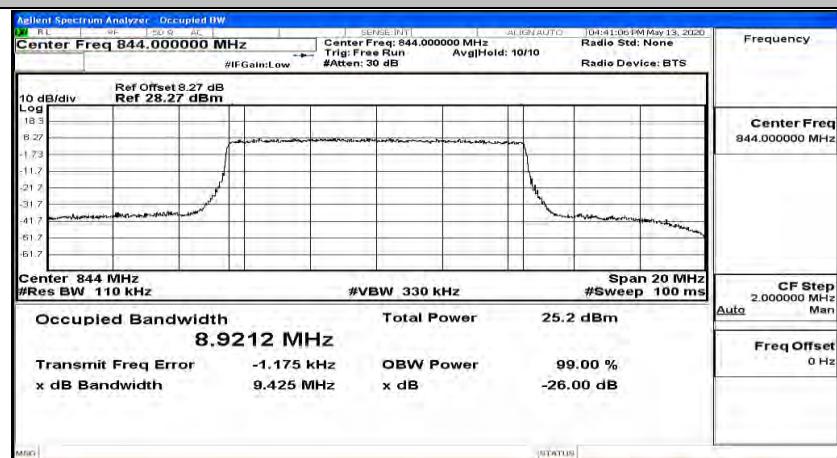
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK



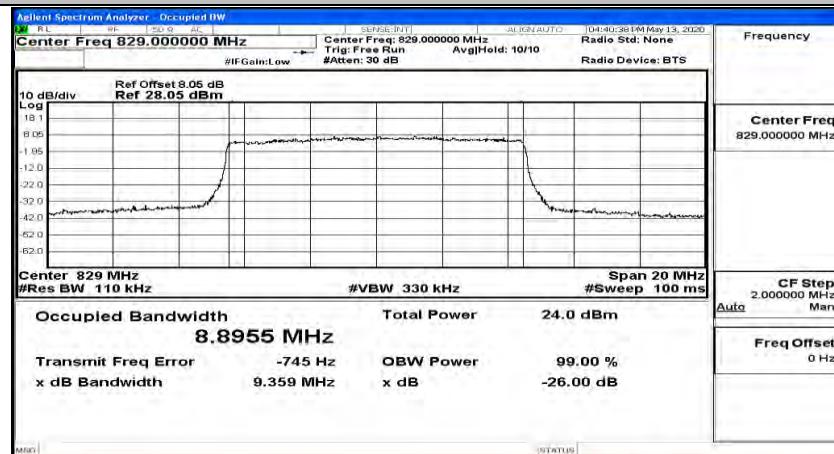
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_QPSK



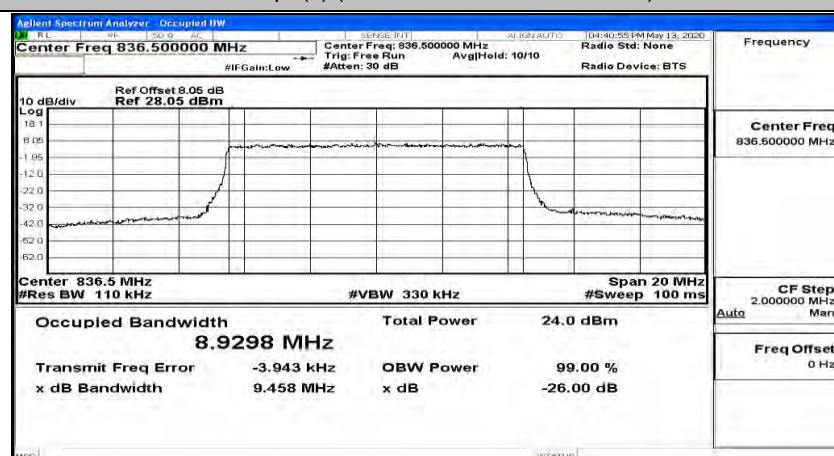
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_QPSK



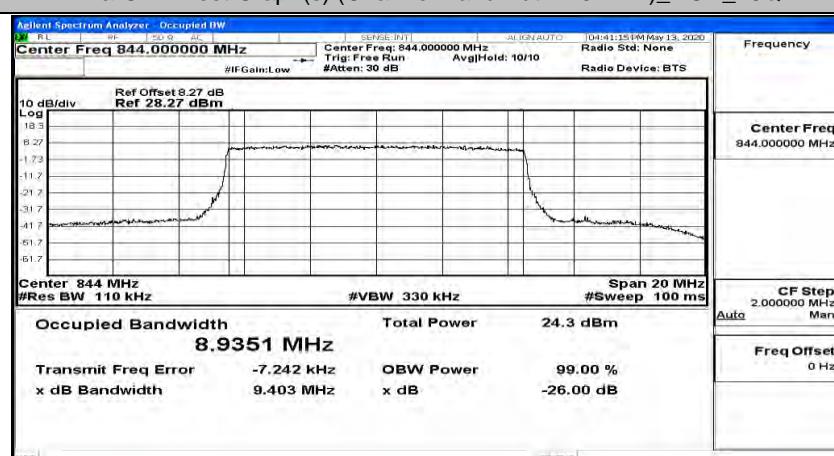
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_16QAM



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



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

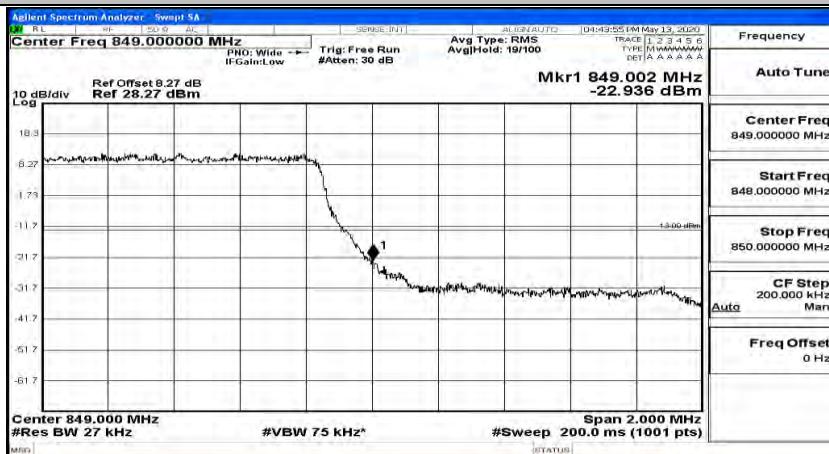


## H.4 Band Edge

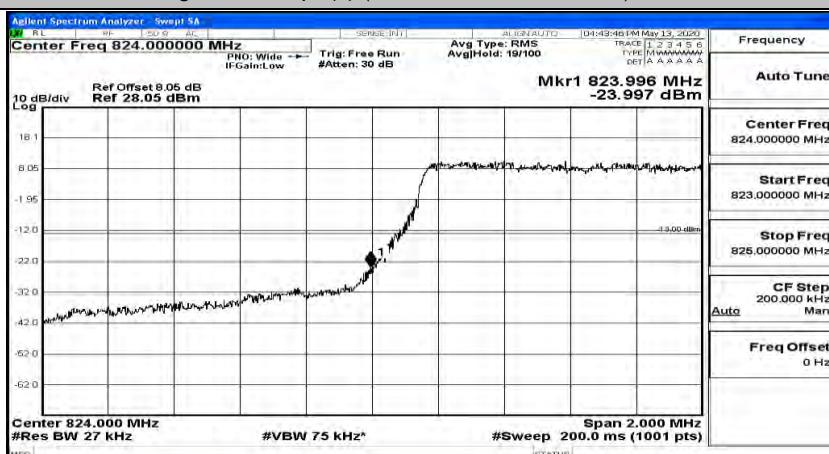
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK

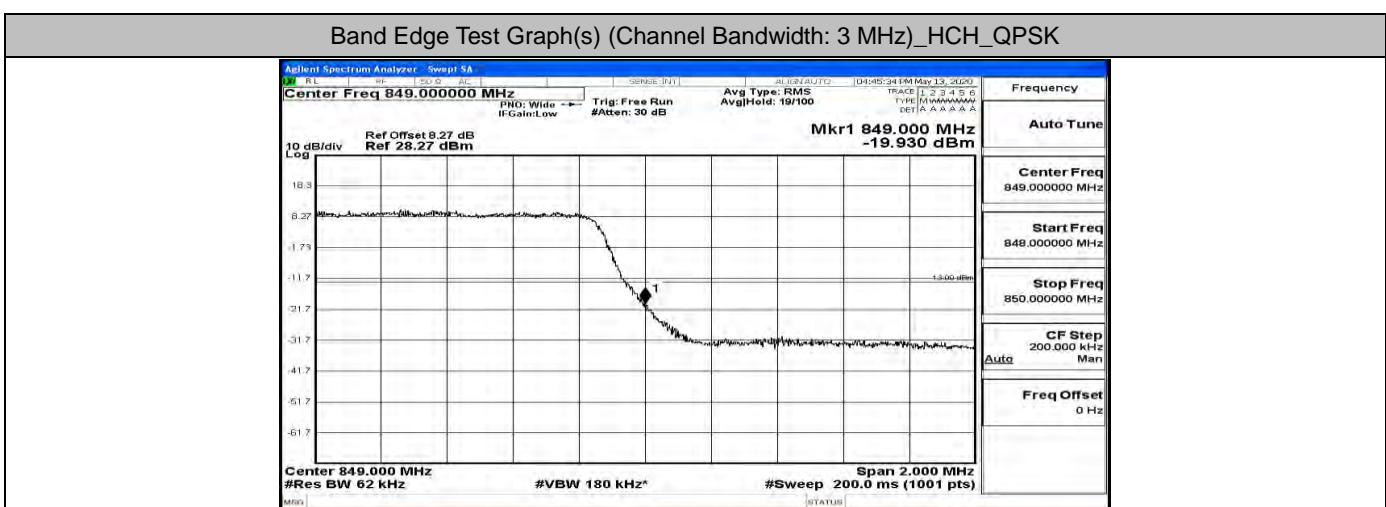
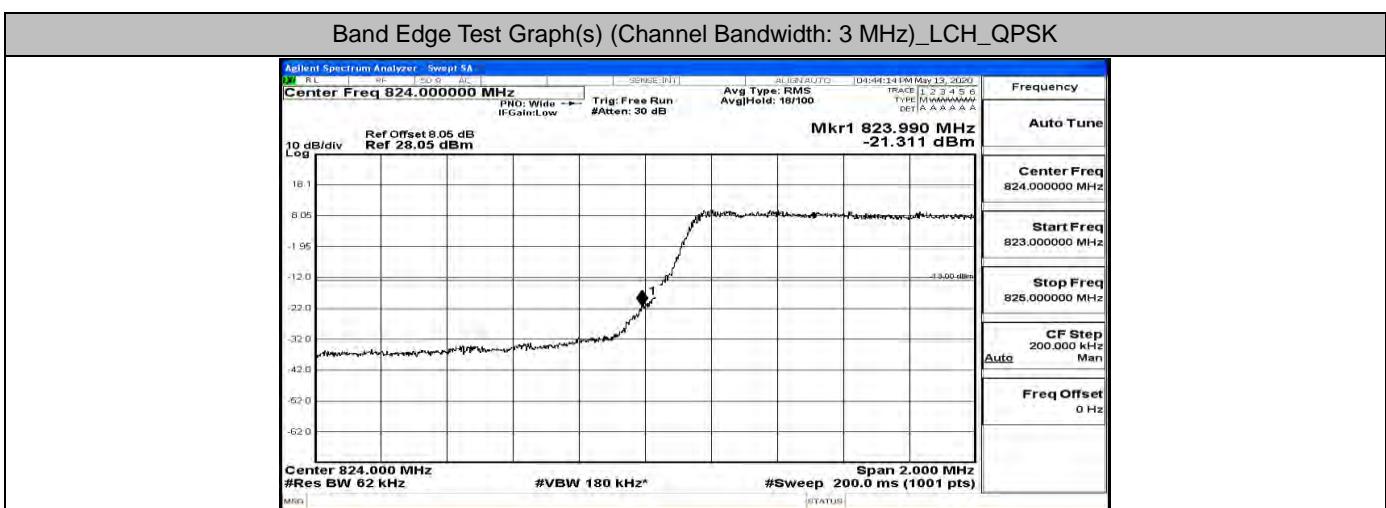
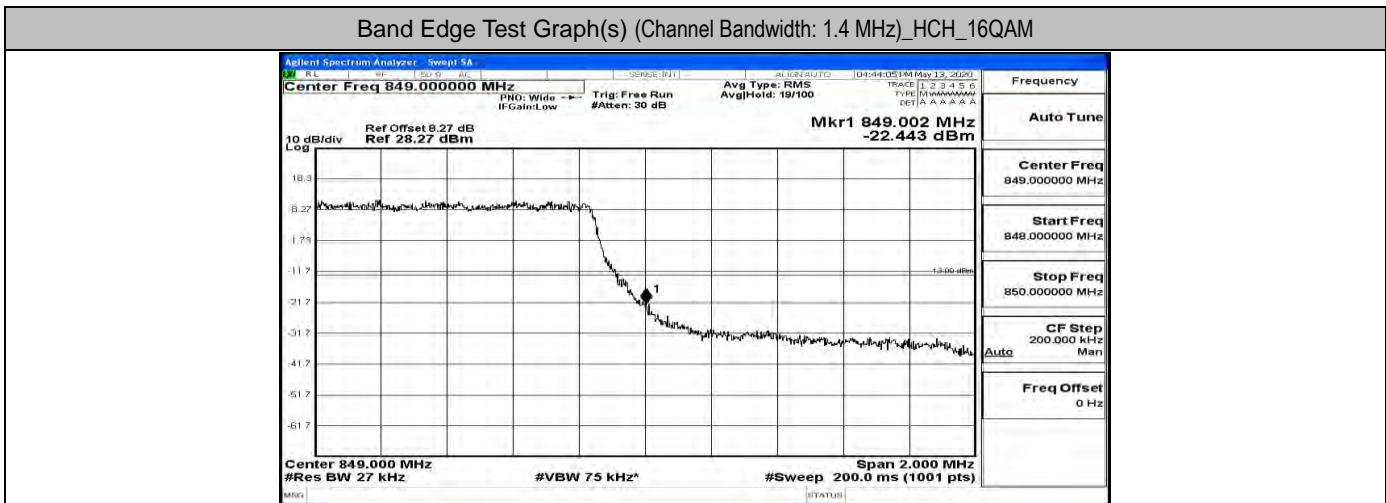


Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK

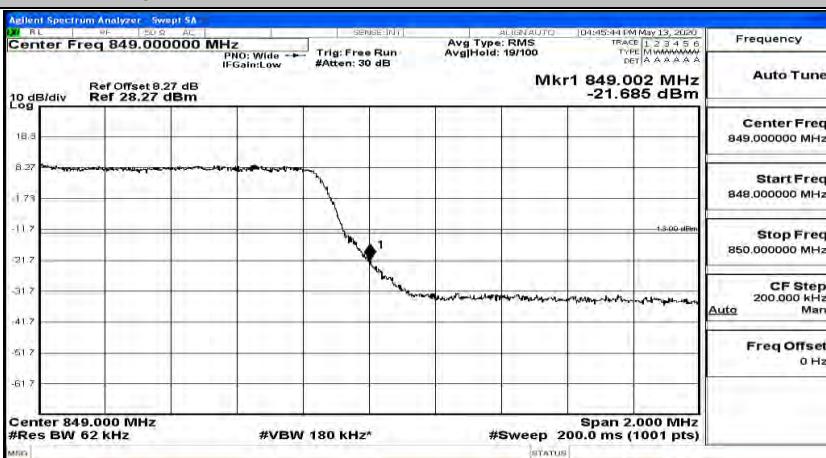


Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM

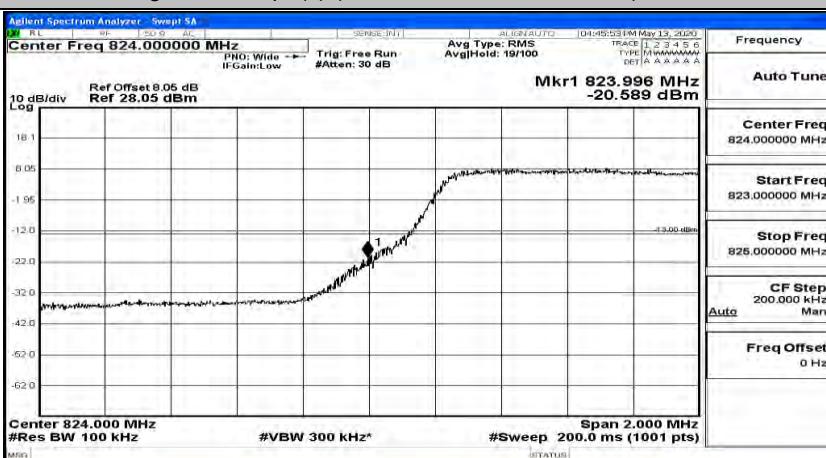




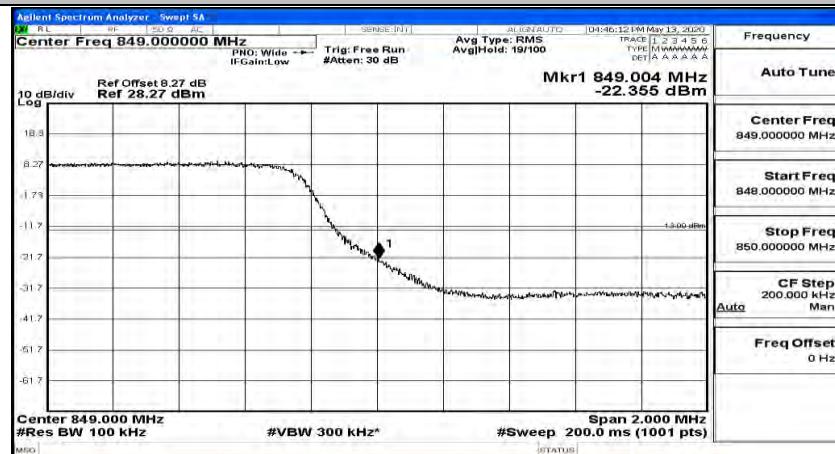
## Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_16QAM



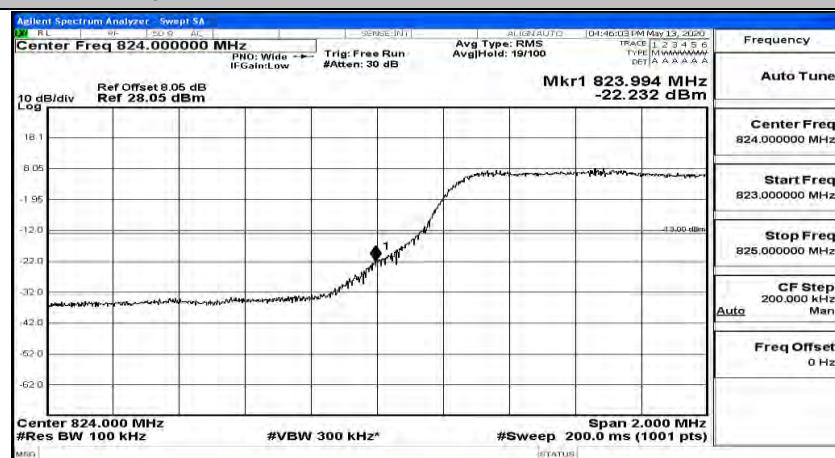
## Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_QPSK



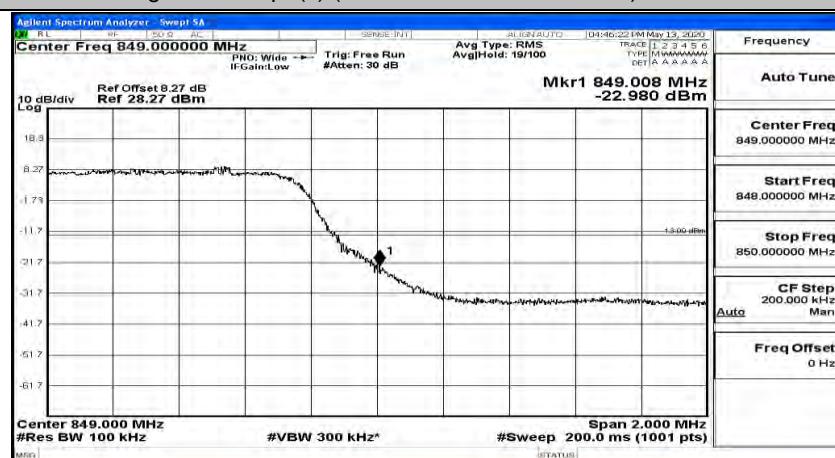
## Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_QPSK



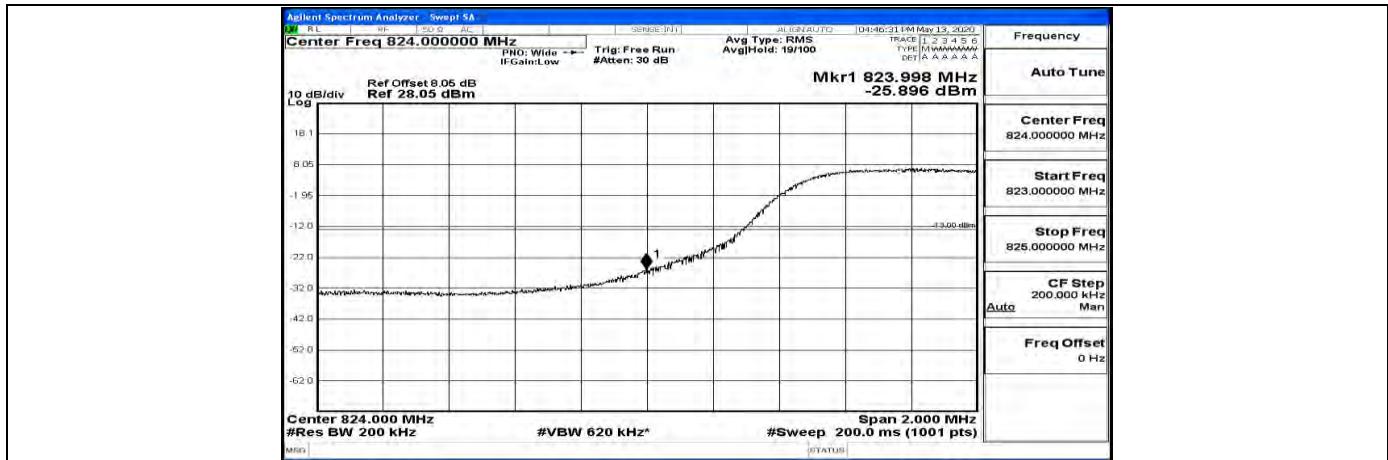
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_16QAM



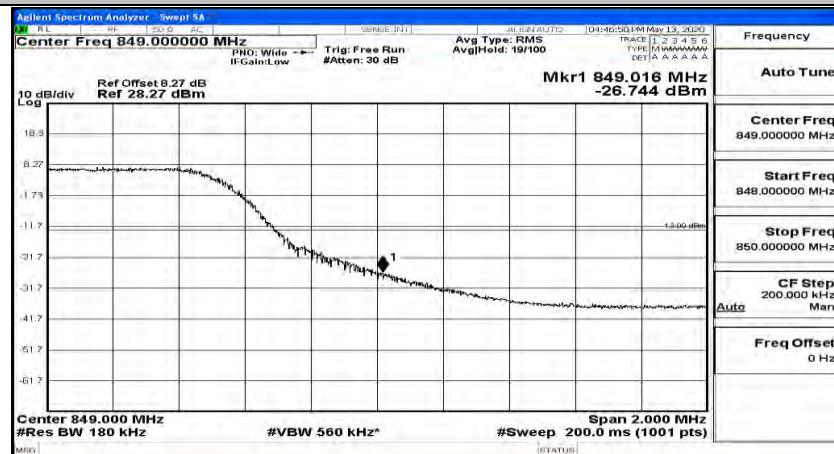
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM



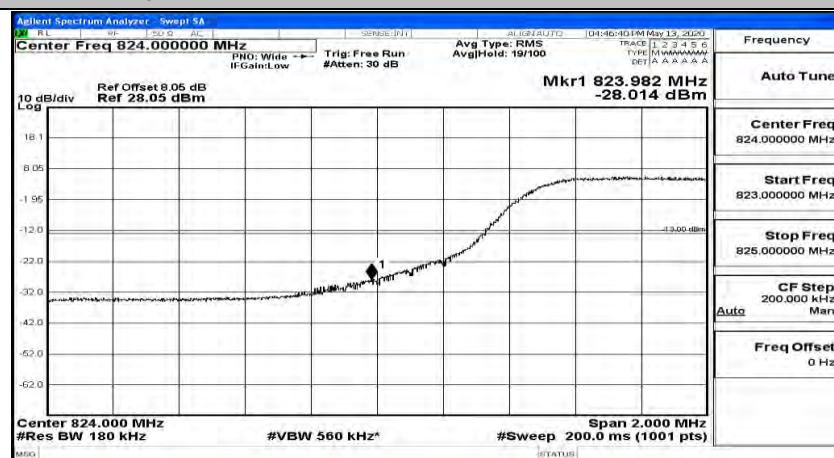
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK



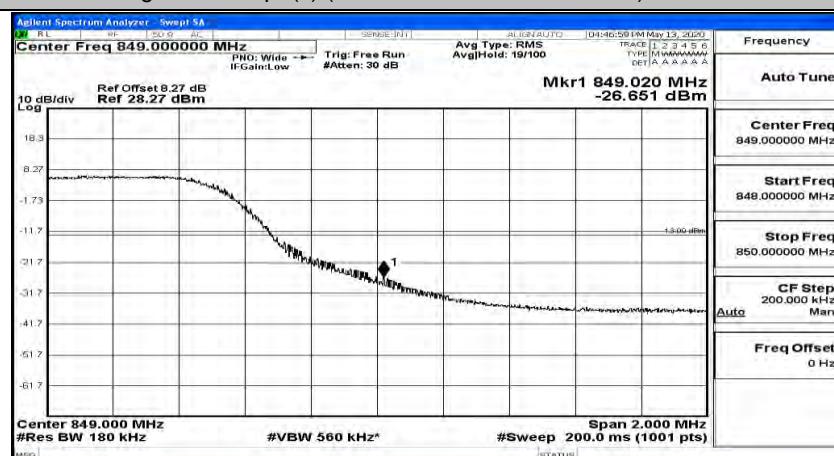
## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_QPSK



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

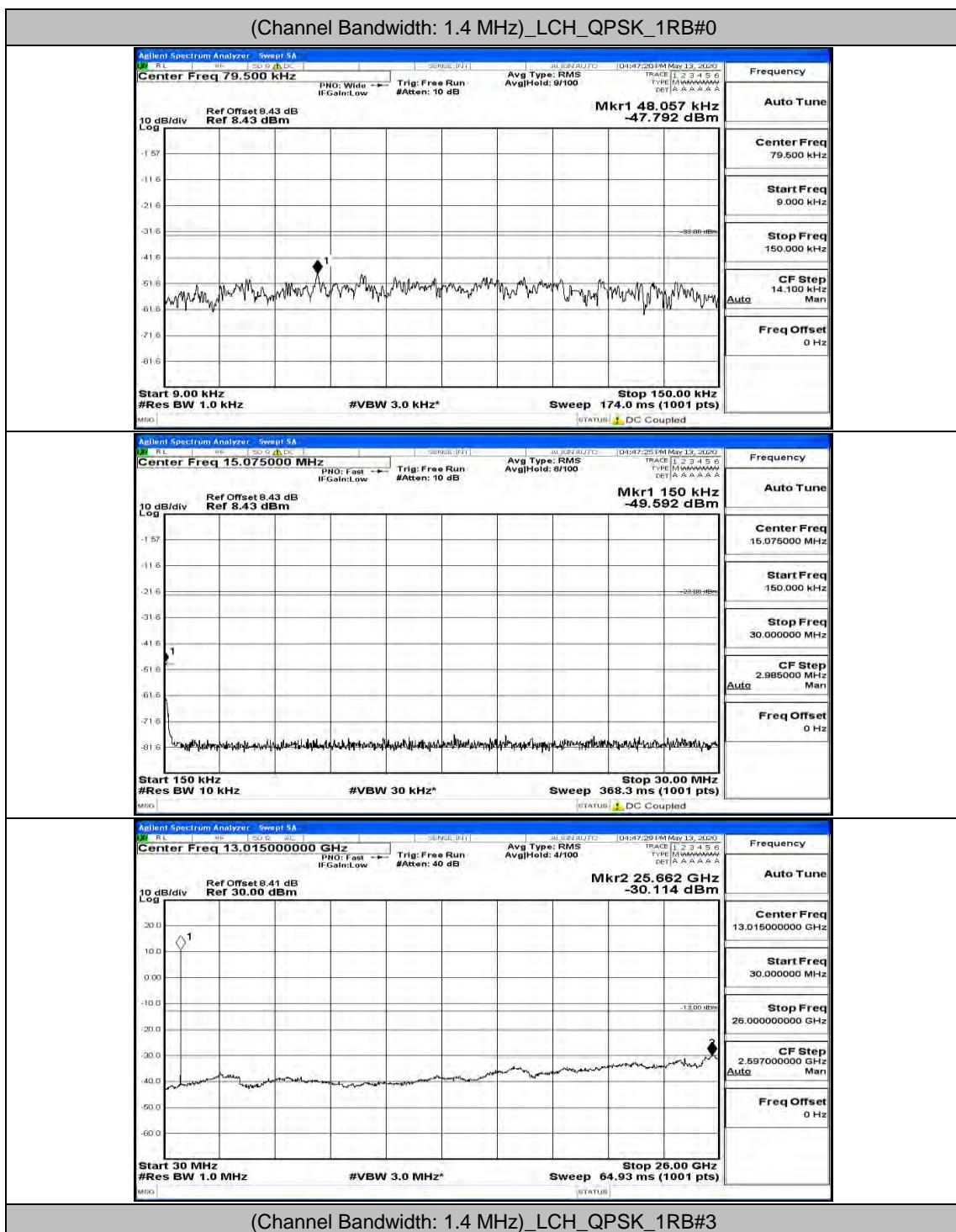


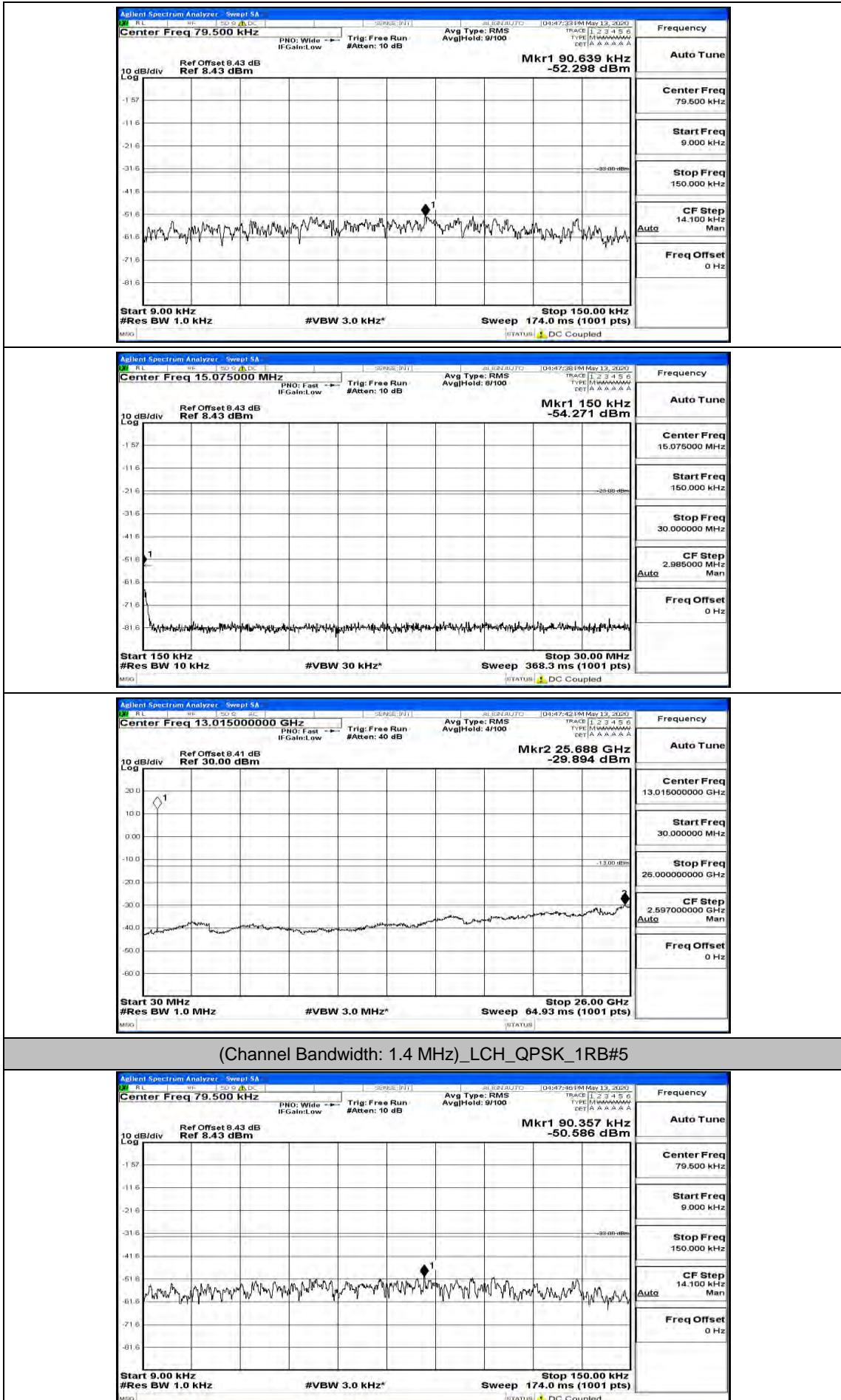
## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_16QAM

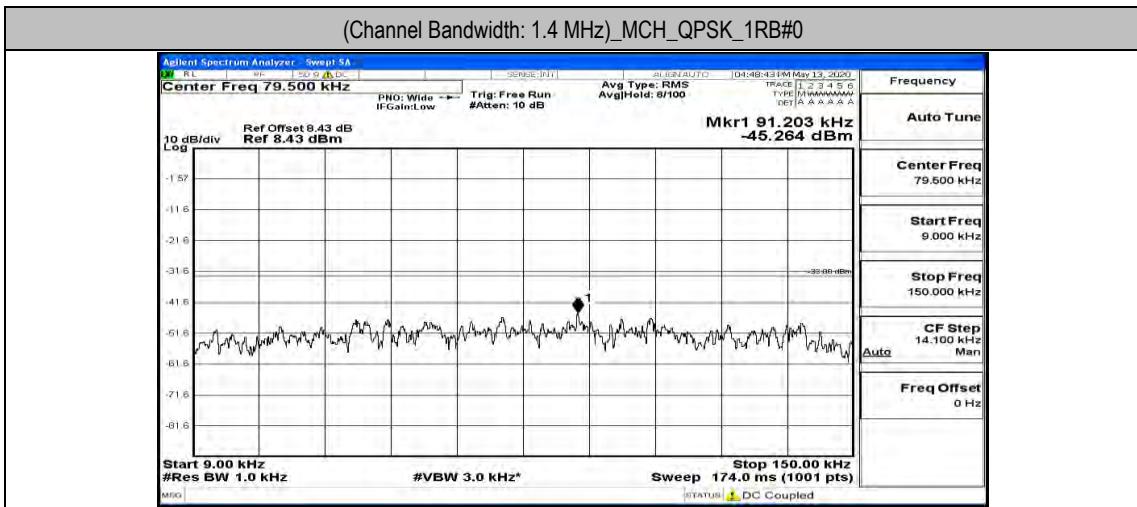
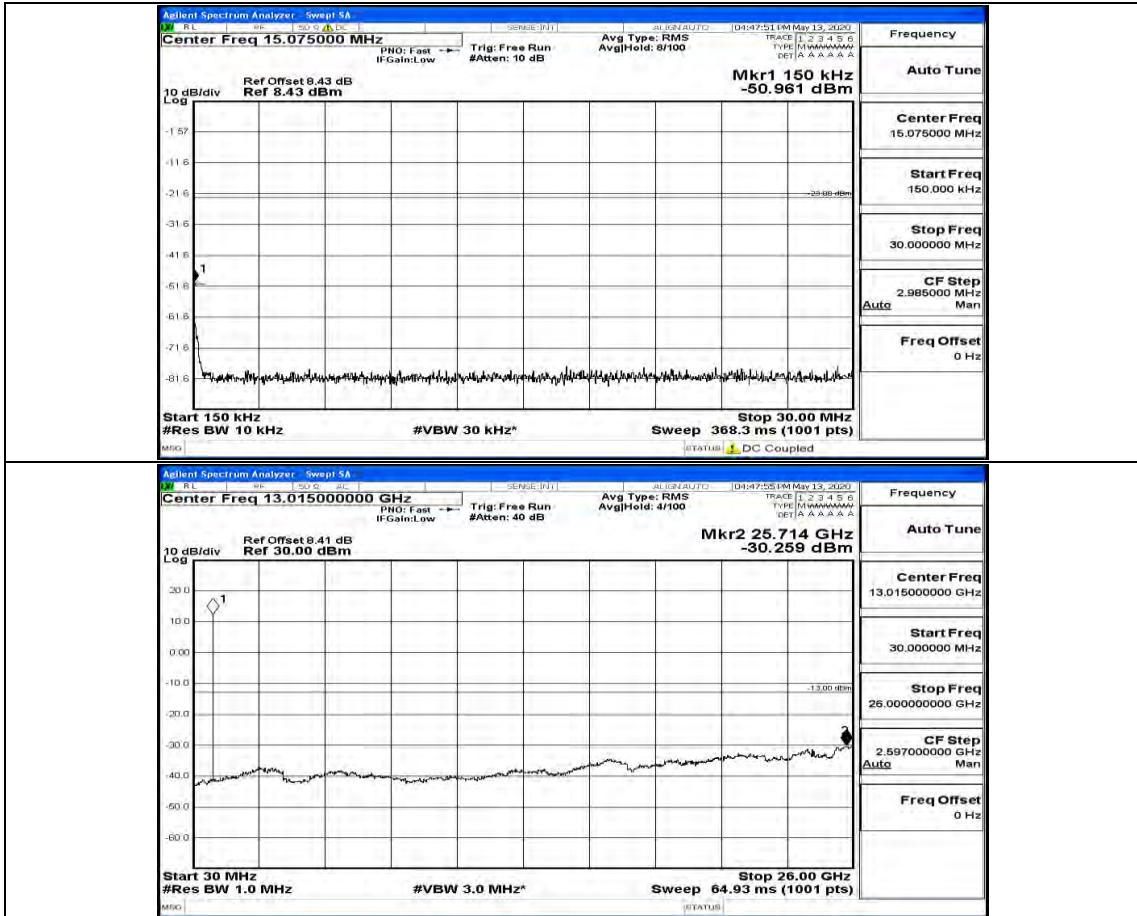


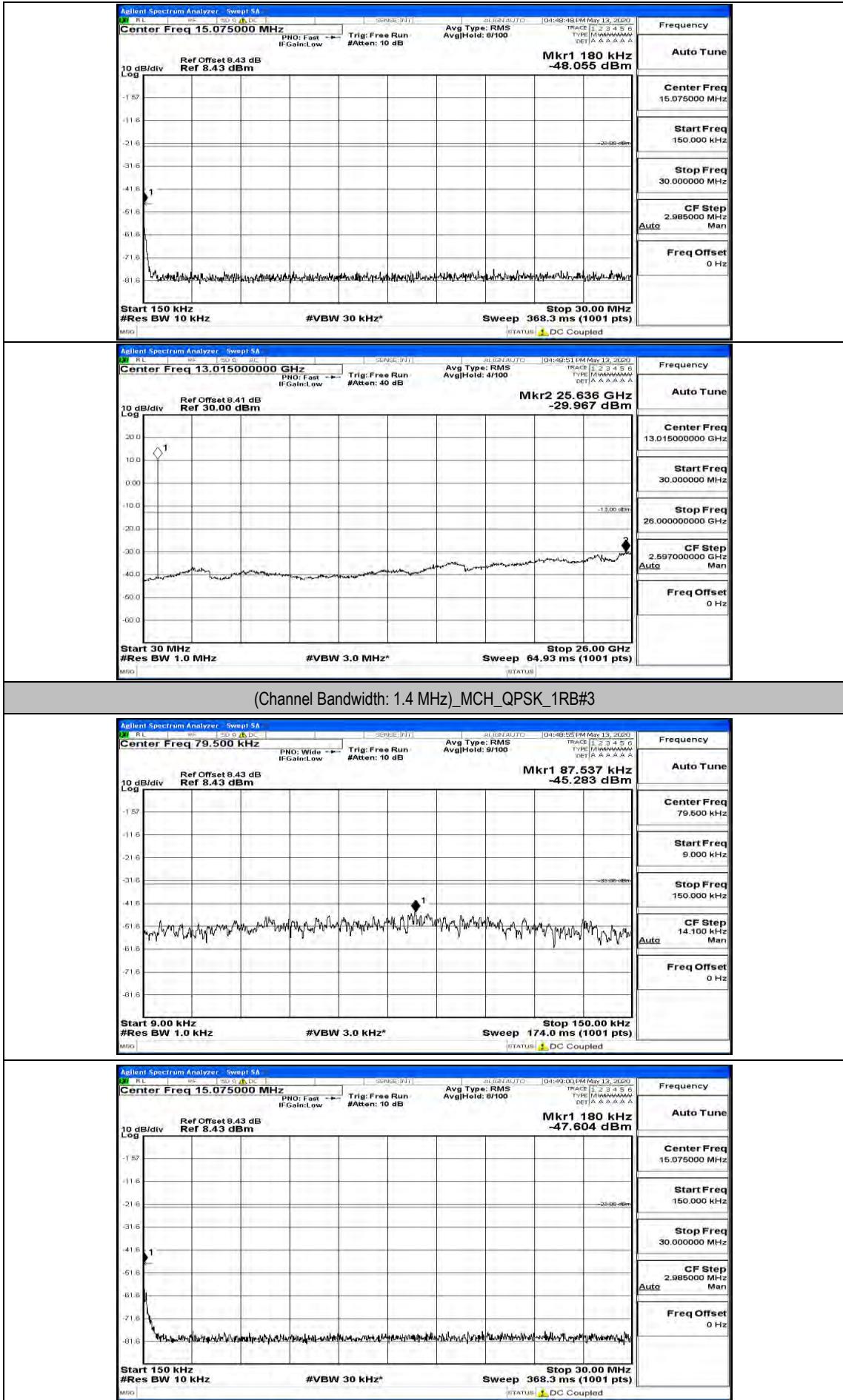
## H.5 Conducted Spurious Emission

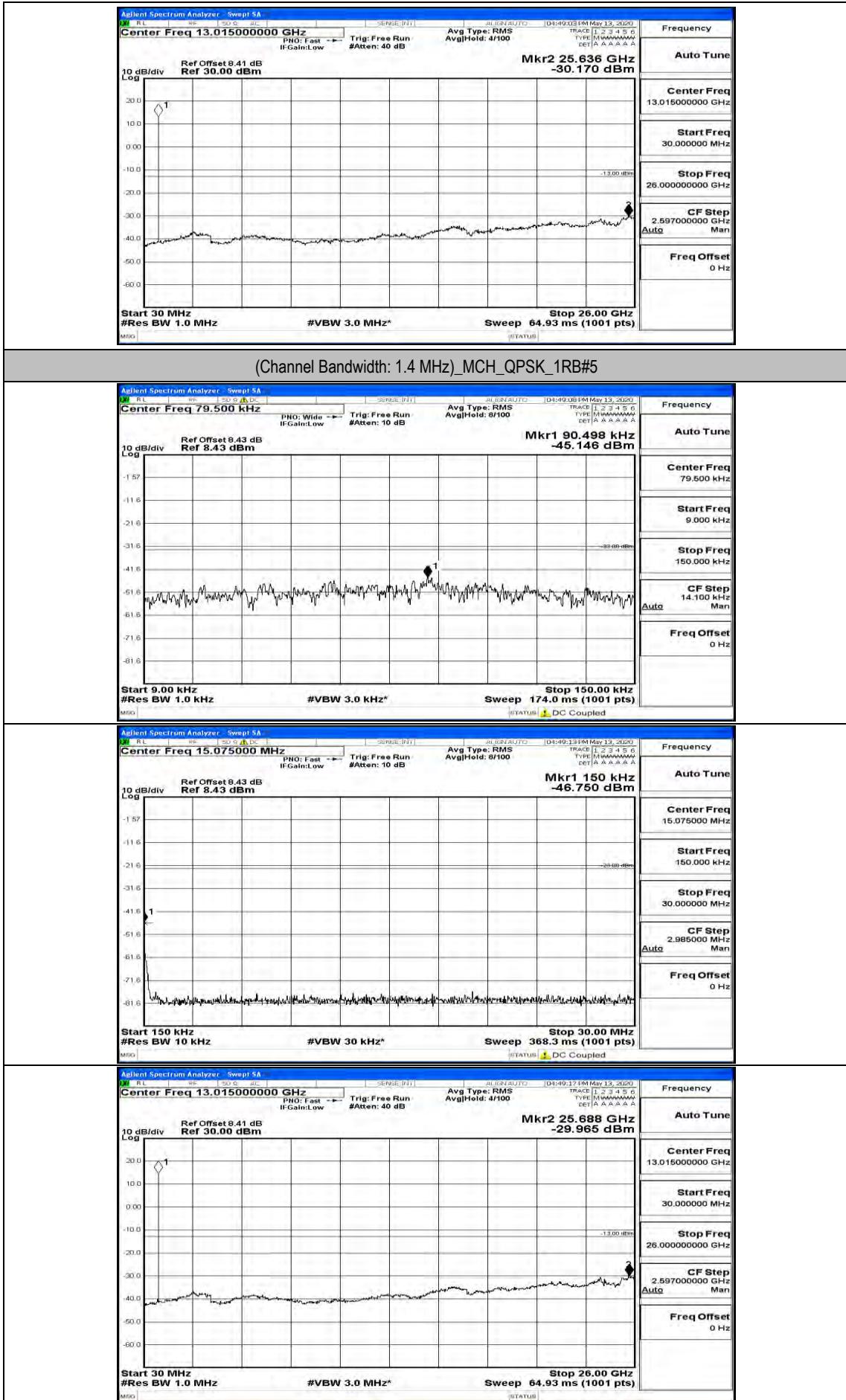
### Channel Bandwidth: 1.4 MHz



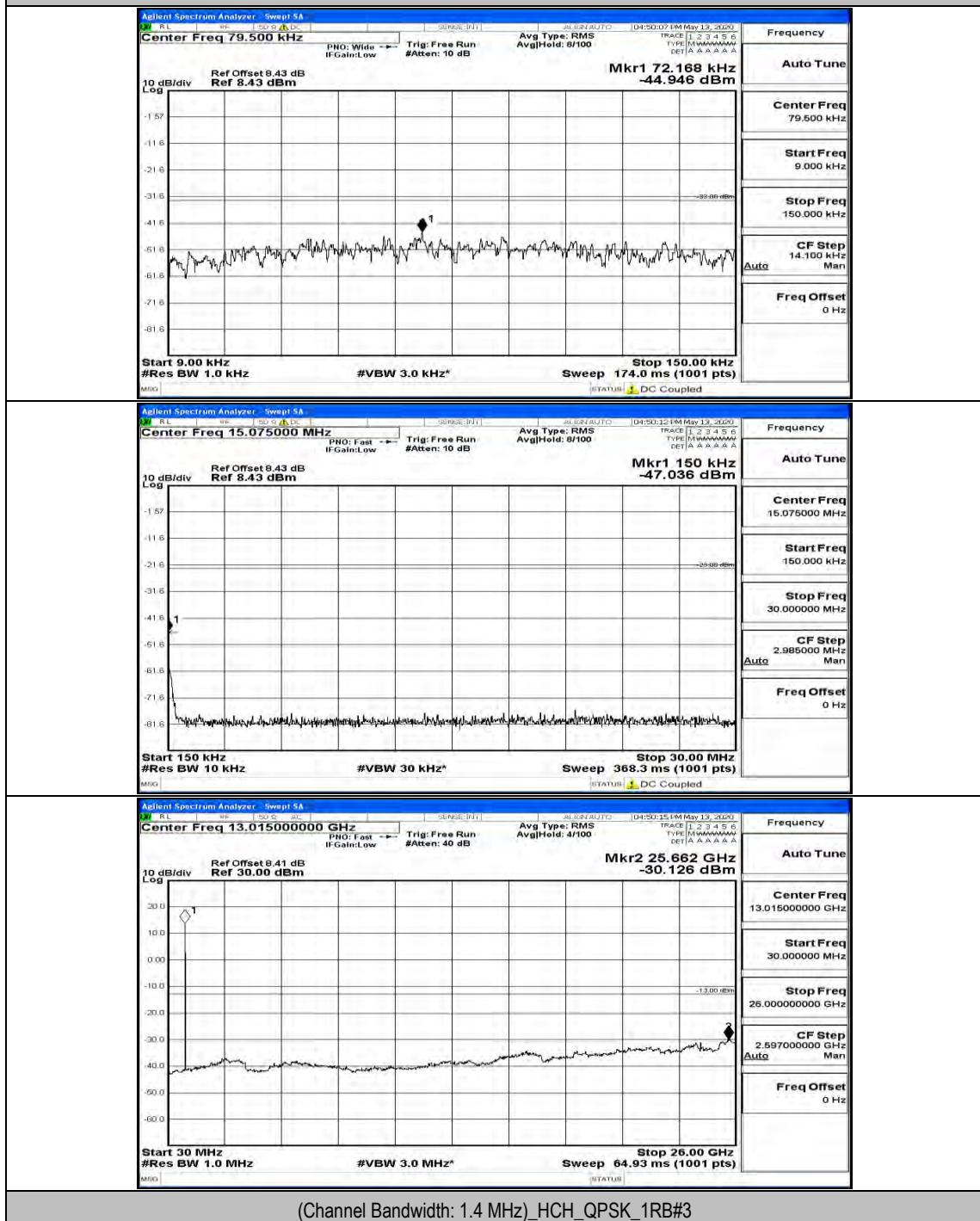


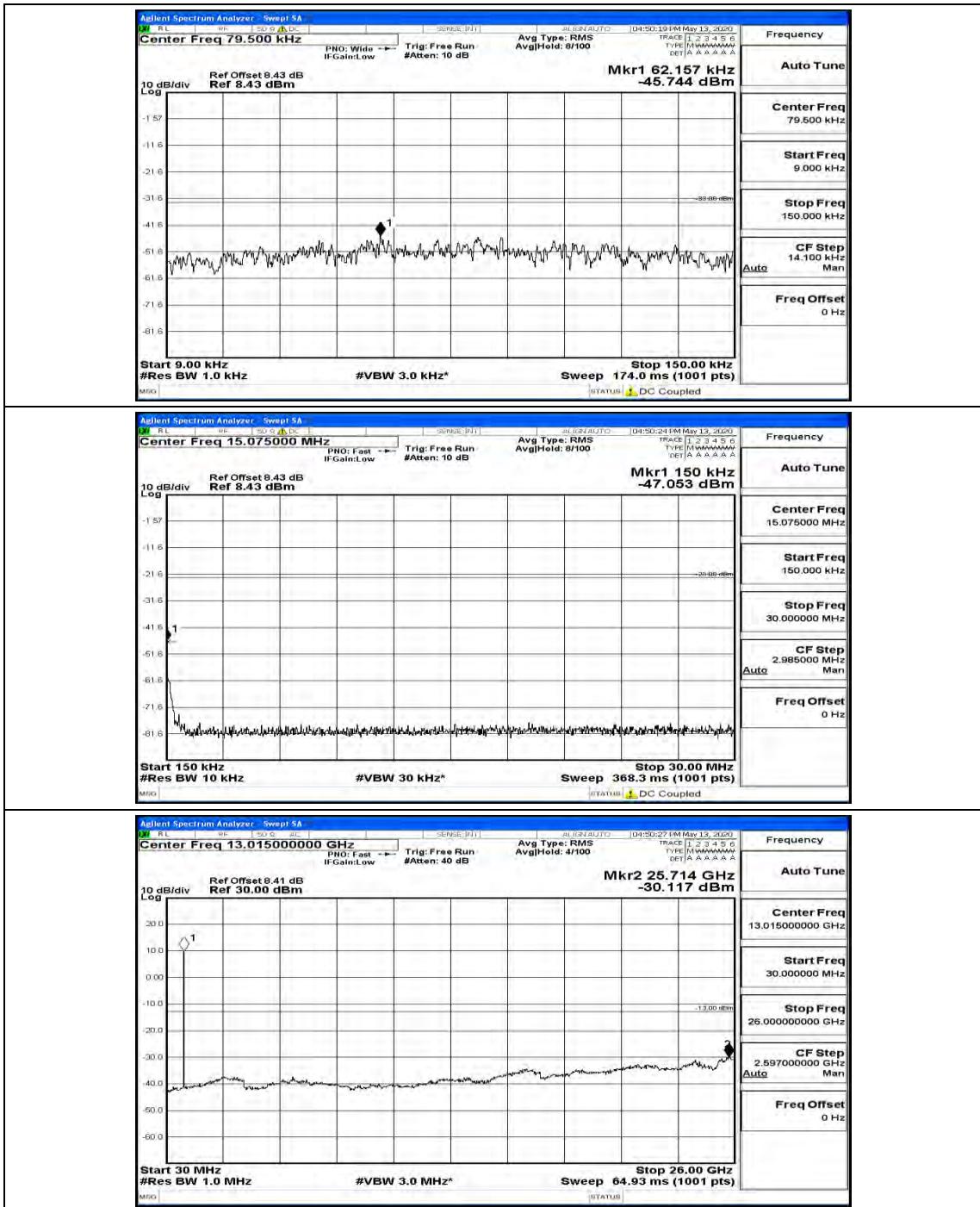




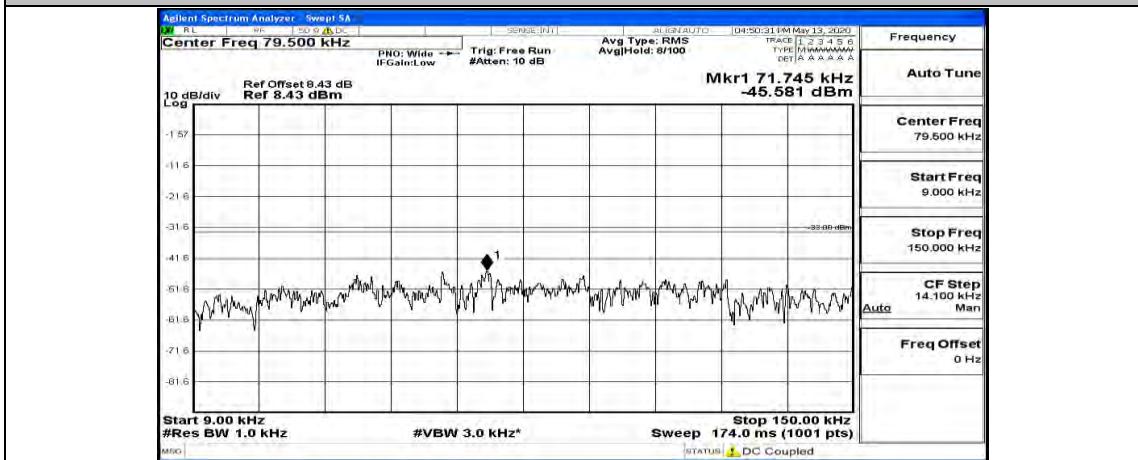


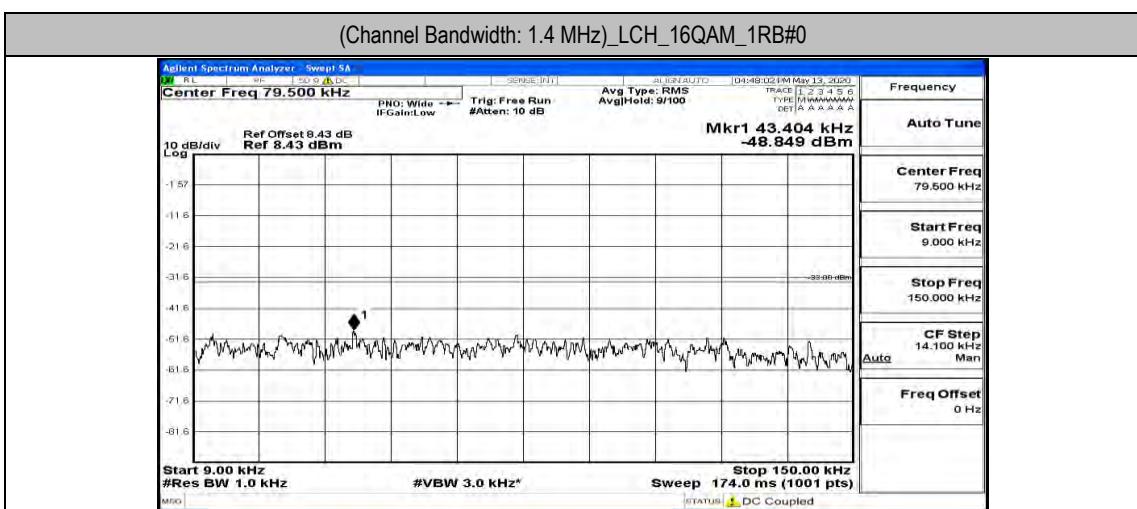
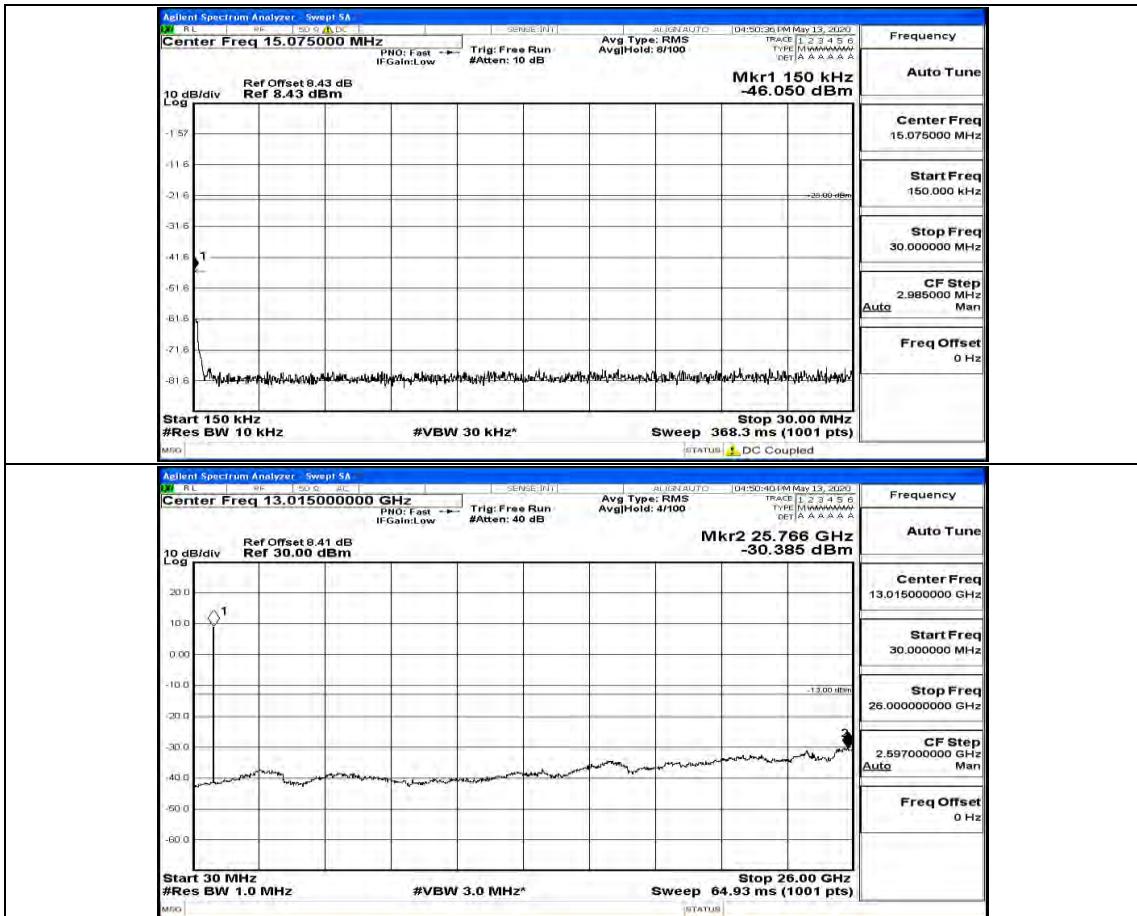
(Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK\_1RB#0

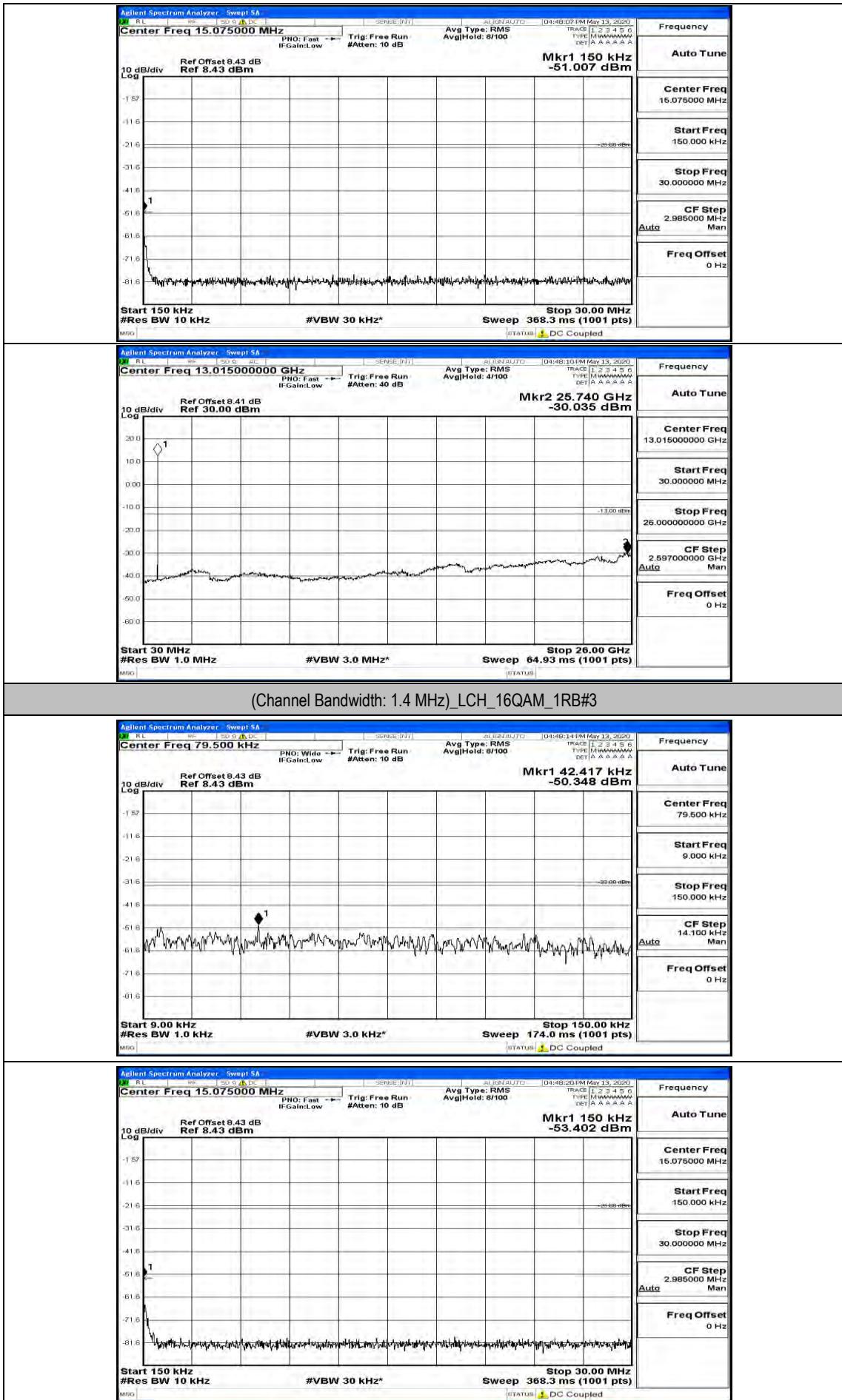


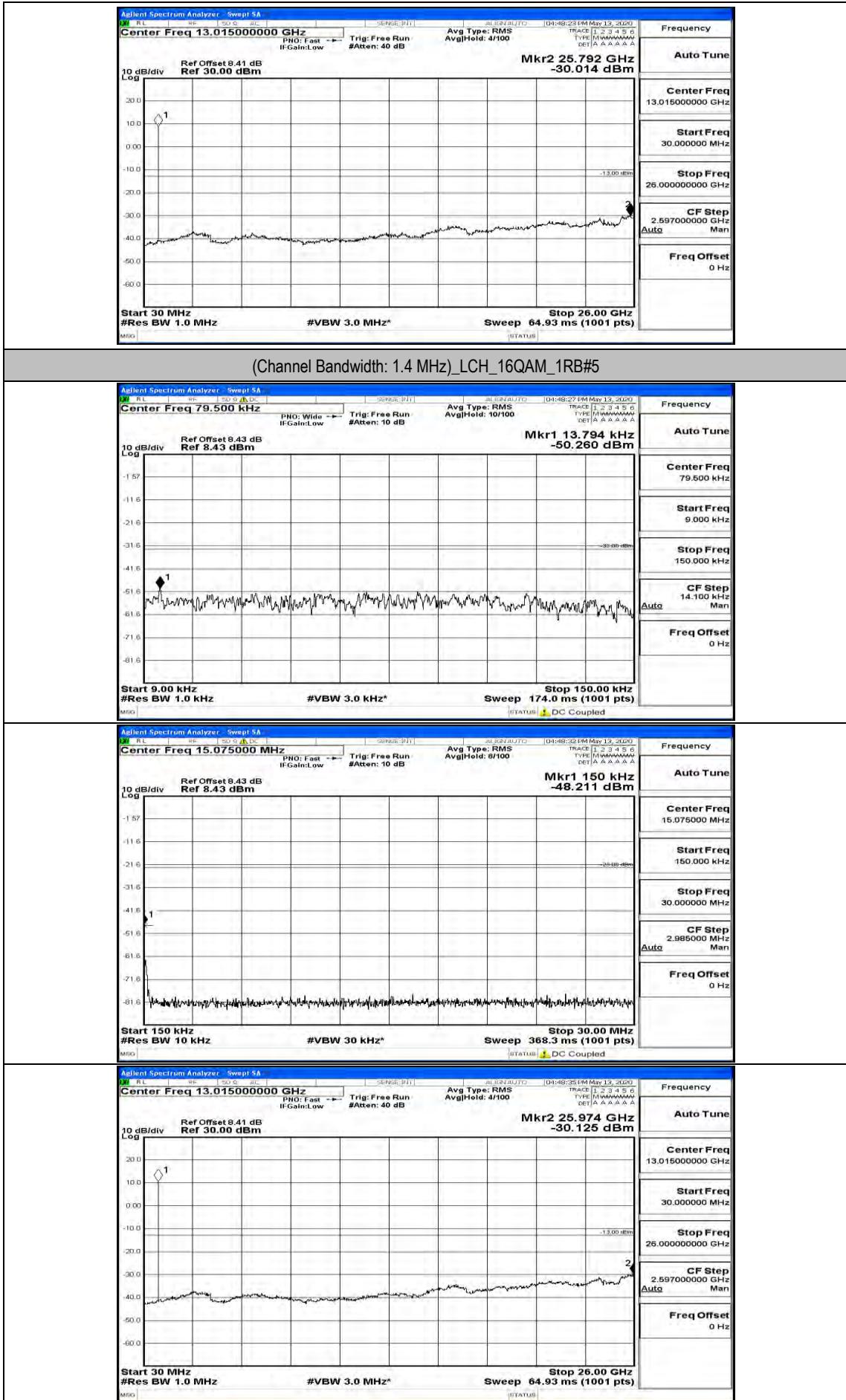


(Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK\_1RB#5

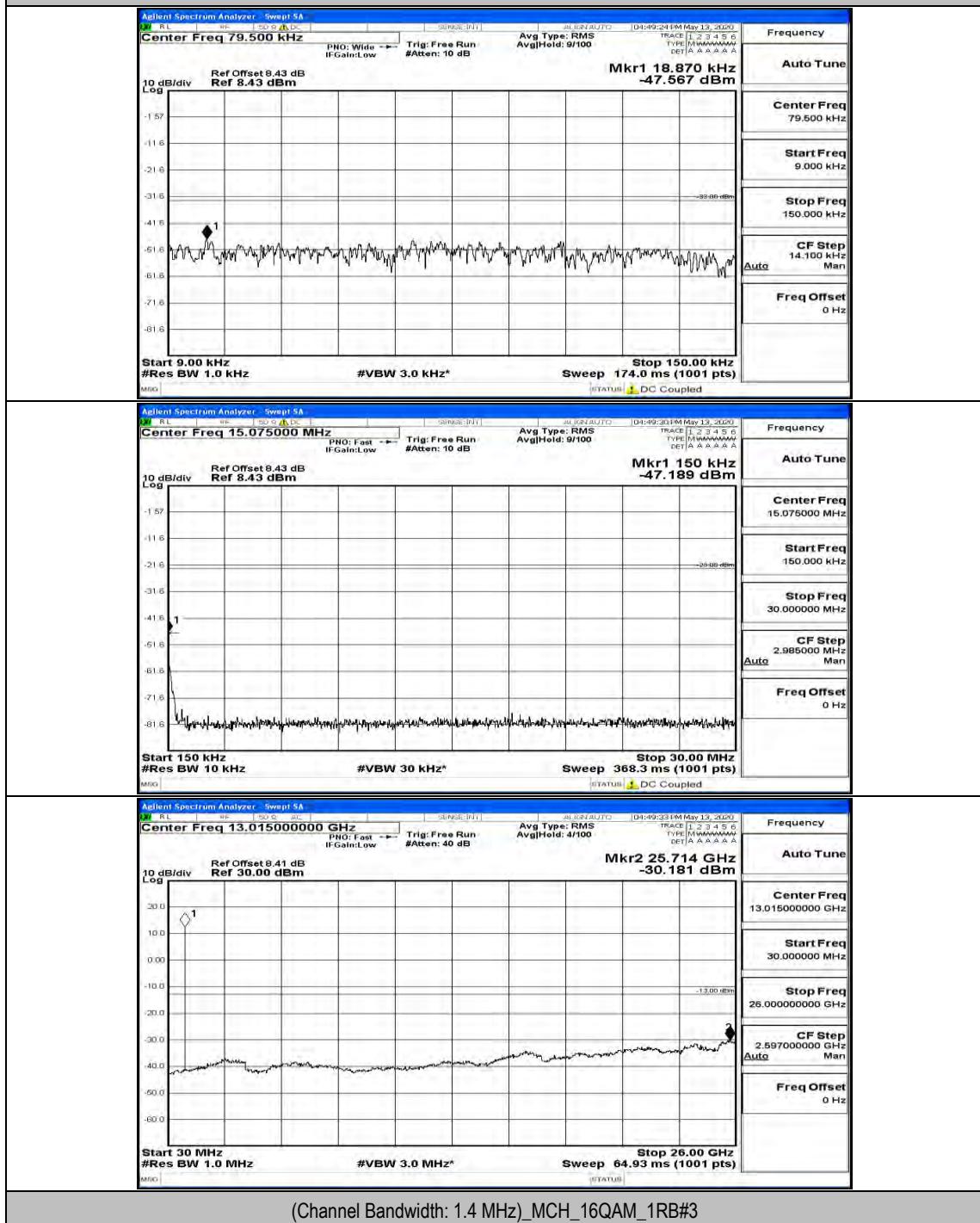


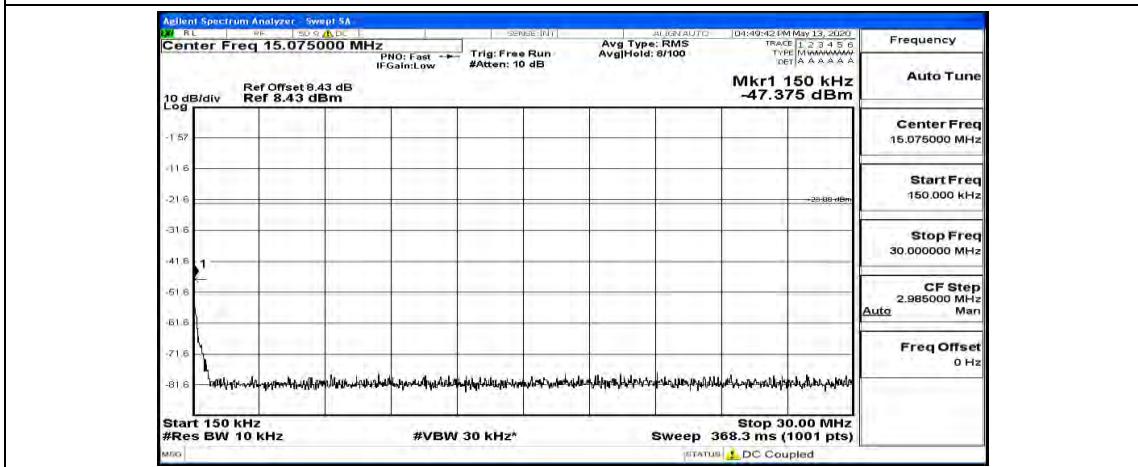
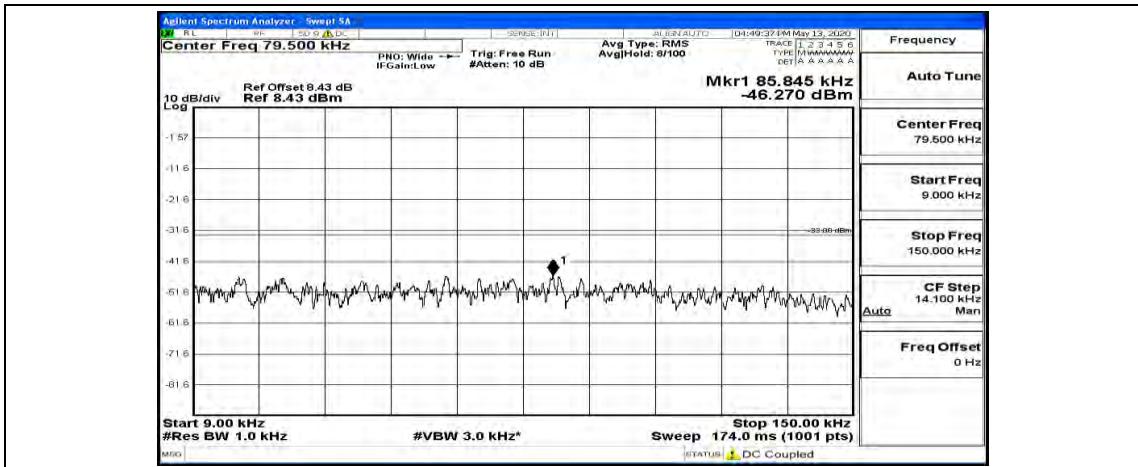




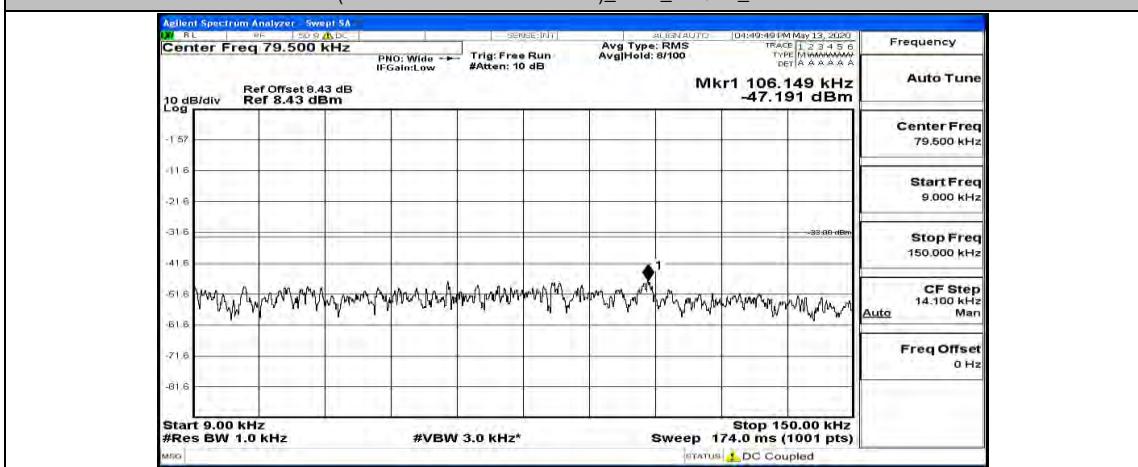


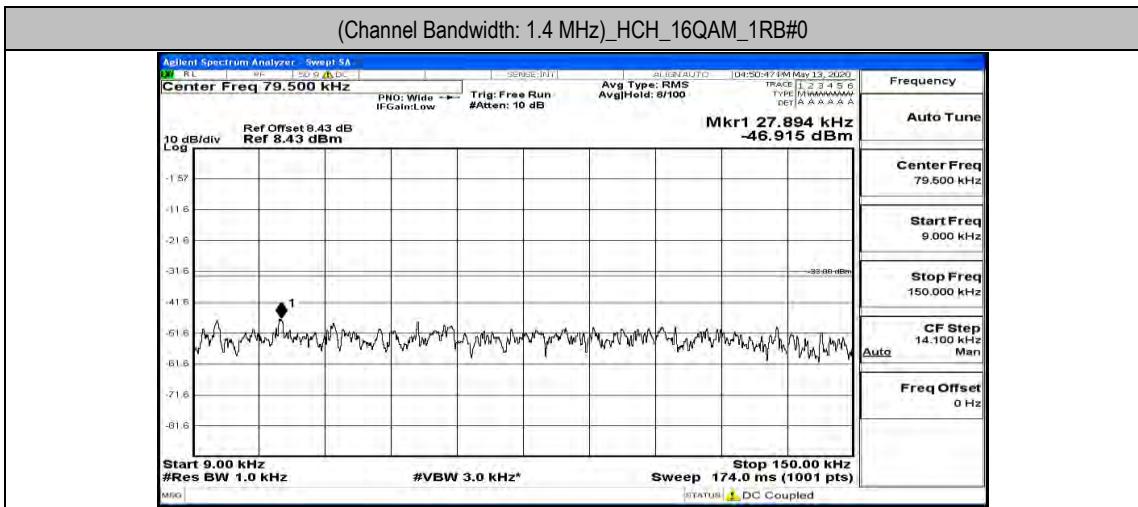
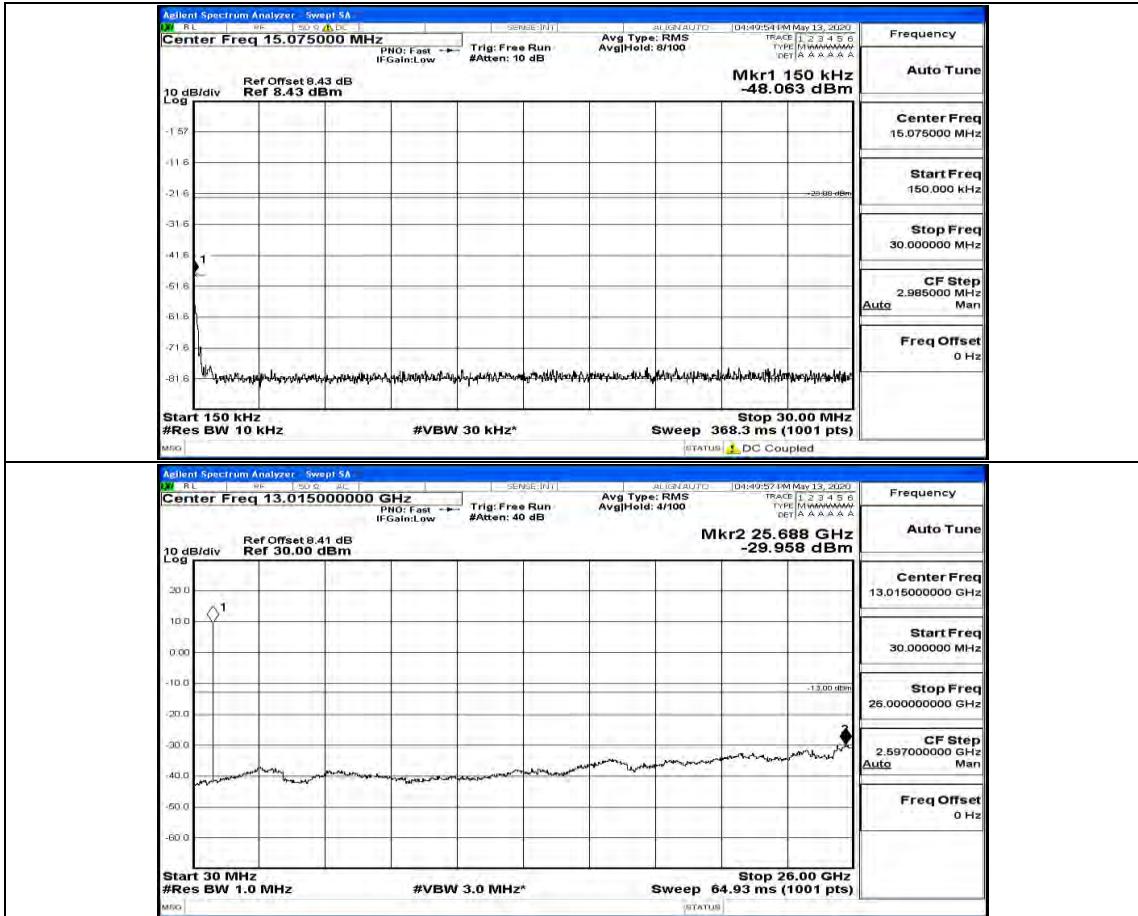
(Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM\_1RB#0

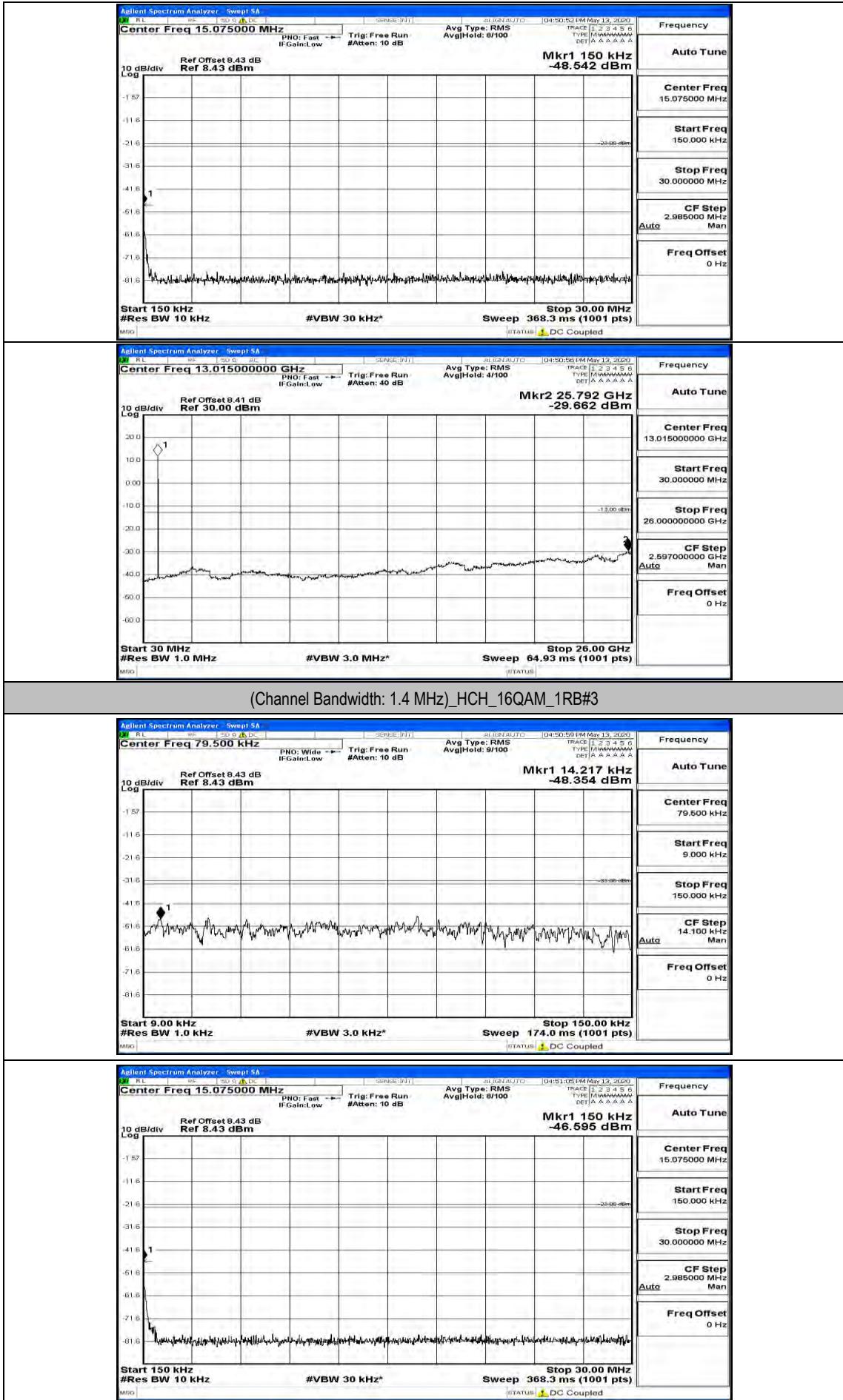


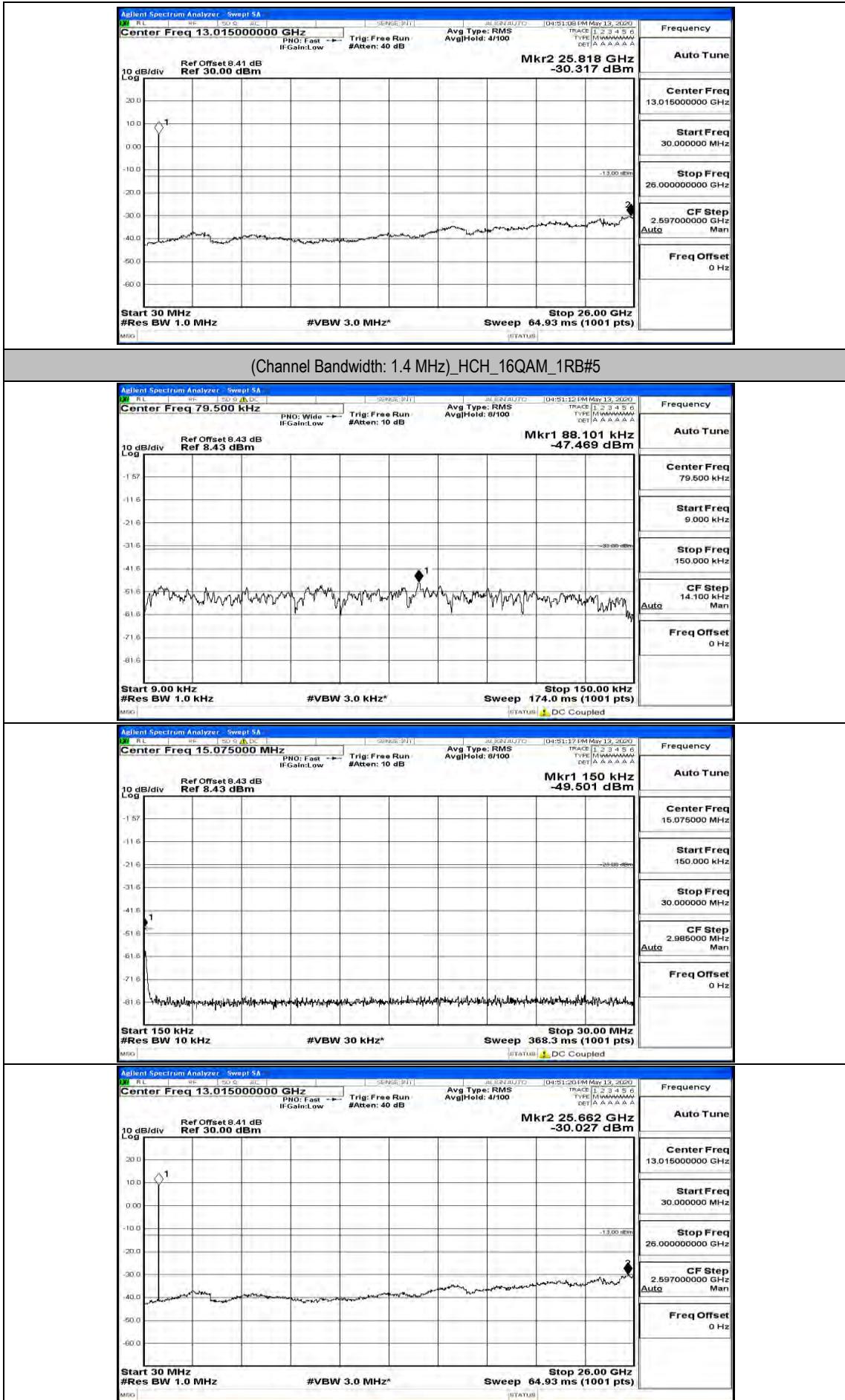


(Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM\_1RB#5



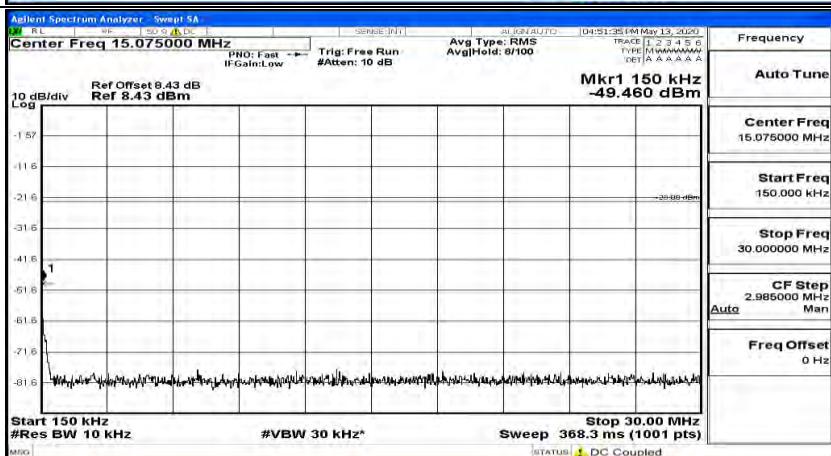
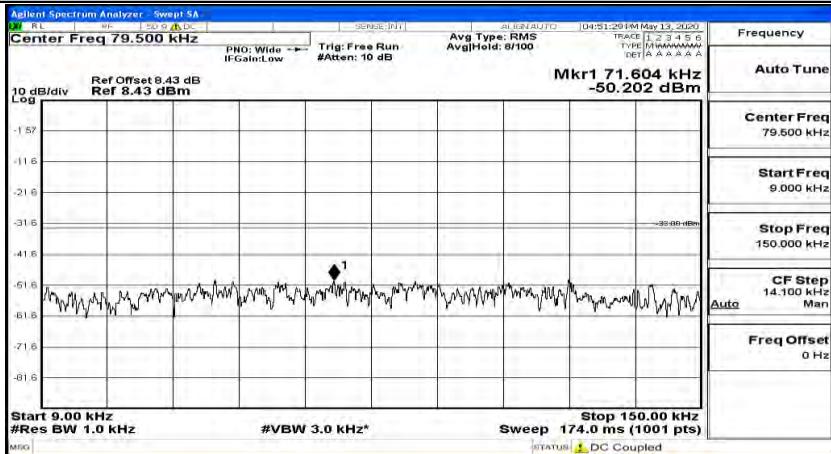






## Channel Bandwidth: 3 MHz

(Channel Bandwidth: 3 MHz)\_LCH\_QPSK\_1RB#0



(Channel Bandwidth: 3 MHz)\_LCH\_QPSK\_1RB#7