

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

Product Name: Tablet

Trade Mark: N/A

Test Model: 8LAB1

### Environmental Conditions

Temperature:	22.3° C
Relative Humidity:	53.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Li Huan

### F.1 Conducted Output Power

Conducted Output Power Test Result (Channel Bandwidth: 1.4 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]		Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	20.15	19.65	PASS
		1	3	20.20	19.64	PASS
		1	5	20.12	19.71	PASS
		3	0	20.07	18.90	PASS
		3	2	20.03	18.89	PASS
		3	3	20.03	18.93	PASS
		6	0	19.09	17.89	PASS
	MCH	1	0	20.32	19.65	PASS
		1	3	20.35	19.63	PASS
		1	5	20.33	19.67	PASS
		3	0	20.42	19.13	PASS
		3	2	20.49	19.16	PASS
		3	3	20.39	19.16	PASS
		6	0	19.40	18.70	PASS
	HCH	1	0	20.19	19.08	PASS
		1	3	20.24	19.52	PASS
		1	5	20.14	19.53	PASS
		3	0	20.01	19.06	PASS
		3	2	20.05	19.44	PASS
		3	3	19.95	19.29	PASS
		6	0	19.36	18.16	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	20.56	19.99	PASS
		1	7	20.68	20.01	PASS
		1	14	20.44	19.95	PASS
		8	0	19.16	18.01	PASS
		8	4	19.03	18.00	PASS
		8	7	19.12	17.94	PASS
		15	0	19.10	18.11	PASS
	MCH	1	0	20.50	19.60	PASS
		1	7	20.51	19.73	PASS
		1	14	20.59	19.60	PASS
		8	0	19.44	18.59	PASS
		8	4	19.37	18.65	PASS
		8	7	19.51	18.61	PASS
		15	0	19.50	18.61	PASS
	HCH	1	0	20.26	19.72	PASS
		1	7	20.24	19.63	PASS
		1	14	20.18	19.91	PASS
		8	0	19.17	18.47	PASS
		8	4	19.05	18.67	PASS
		8	7	19.43	18.55	PASS
		15	0	18.95	18.40	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	20.10	18.97	PASS
		1	12	20.04	18.98	PASS
		1	24	20.11	19.10	PASS
		12	0	19.17	18.01	PASS
		12	6	19.09	18.05	PASS
		12	13	19.17	18.00	PASS
		25	0	19.09	18.26	PASS
	MCH	1	0	20.33	19.93	PASS
		1	12	20.42	19.97	PASS
		1	24	20.33	20.04	PASS
		12	0	19.37	18.63	PASS
		12	6	19.48	18.72	PASS
		12	13	19.34	18.68	PASS
		25	0	19.35	18.75	PASS
	HCH	1	0	20.31	19.21	PASS
		1	12	20.15	18.99	PASS
		1	24	20.10	19.12	PASS
		12	0	19.35	18.26	PASS
		12	6	19.03	18.47	PASS
		12	13	18.99	18.35	PASS
		25	0	19.17	18.59	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	20.01	19.37	PASS
		1	24	20.10	19.42	PASS
		1	49	20.38	19.65	PASS
		25	0	19.07	17.93	PASS
		25	12	19.15	17.98	PASS
		25	25	19.19	18.37	PASS
		50	0	19.11	18.10	PASS
	MCH	1	0	20.12	19.76	PASS
		1	24	20.48	19.93	PASS
		1	49	20.33	19.81	PASS
		25	0	19.28	18.61	PASS
		25	12	19.51	18.70	PASS
		25	25	19.53	18.42	PASS
		50	0	19.38	18.66	PASS
	HCH	1	0	20.71	19.74	PASS
		1	24	20.52	19.48	PASS
		1	49	20.29	19.47	PASS
		25	0	19.46	18.67	PASS
		25	12	19.31	18.37	PASS
		25	25	19.21	18.46	PASS
		50	0	19.28	18.35	PASS

## F.2 Peak-to-Average Ratio

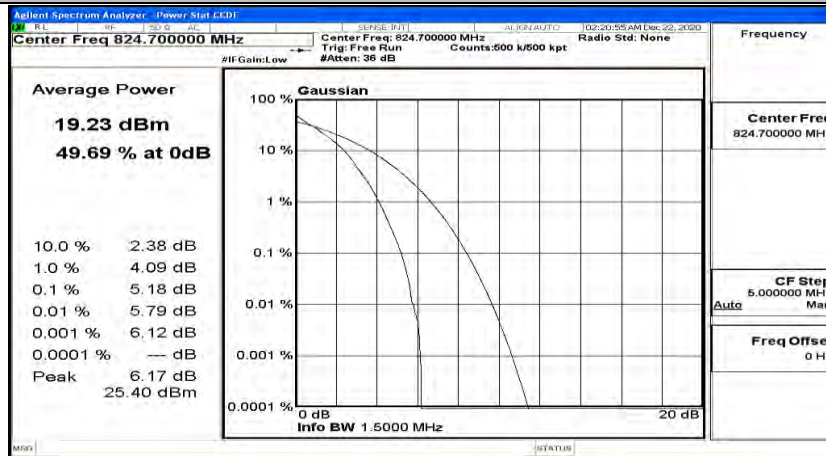
Peak-to Average Ratio Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.18	<13	PASS
	MCH	5.37	<13	PASS
	HCH	5.74	<13	PASS
16QAM	LCH	6.04	<13	PASS
	MCH	6.28	<13	PASS
	HCH	6.51	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.3	<13	PASS
	MCH	5.61	<13	PASS
	HCH	5.52	<13	PASS
16QAM	LCH	6.13	<13	PASS
	MCH	6.35	<13	PASS
	HCH	6.32	<13	PASS

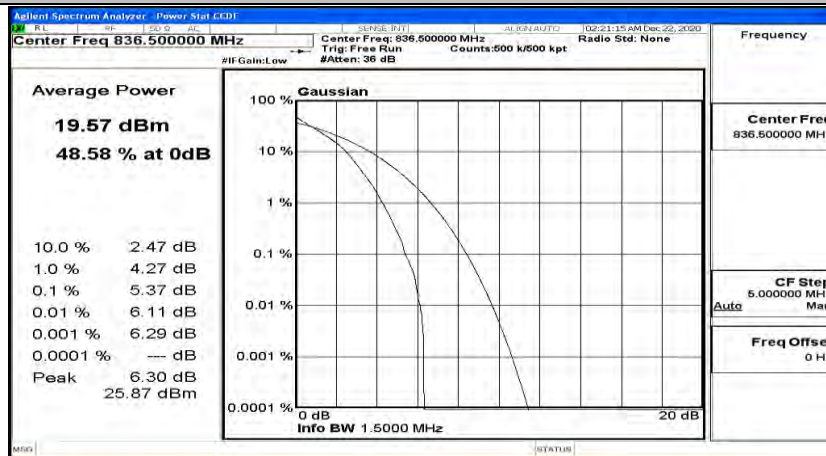
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.3	<13	PASS
	MCH	5.44	<13	PASS
	HCH	5.63	<13	PASS
16QAM	LCH	5.92	<13	PASS
	MCH	6.16	<13	PASS
	HCH	6.27	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.62	<13	PASS
	MCH	5.49	<13	PASS
	HCH	5.53	<13	PASS
16QAM	LCH	6.26	<13	PASS
	MCH	6.2	<13	PASS
	HCH	6.23	<13	PASS

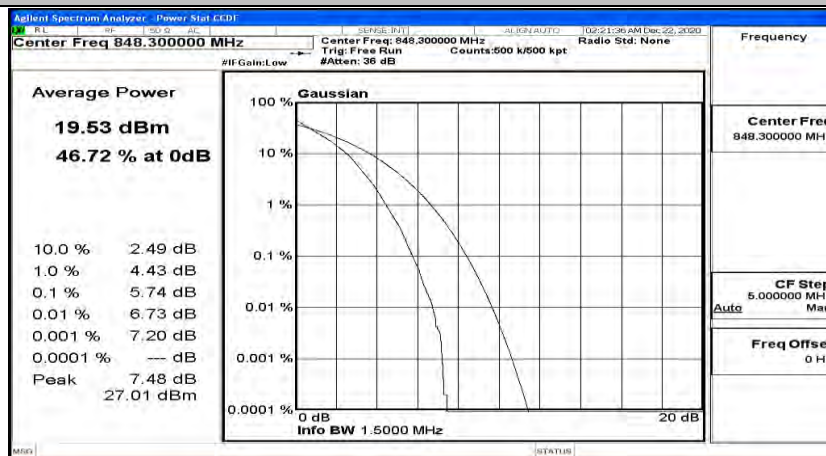
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK



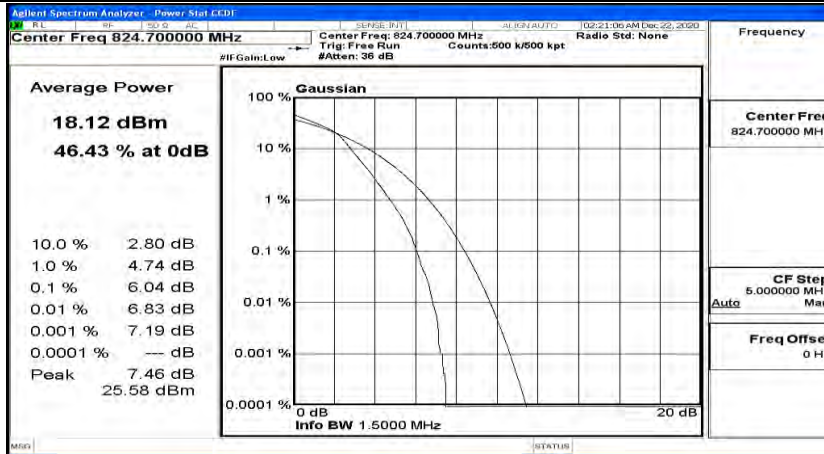
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK



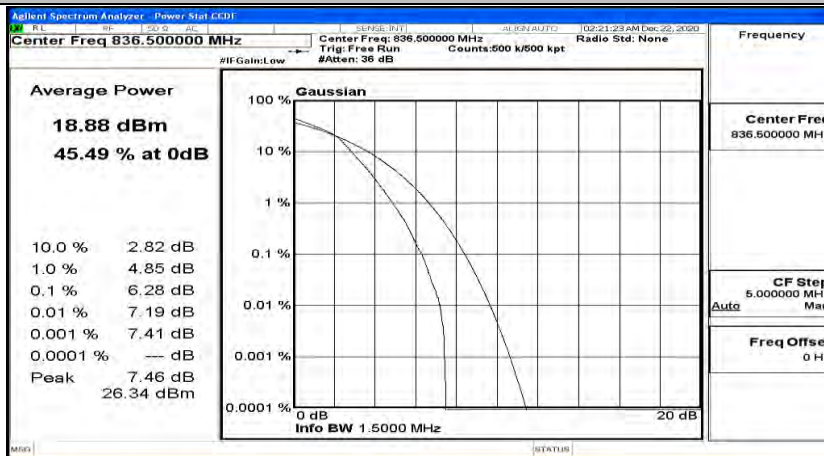
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK



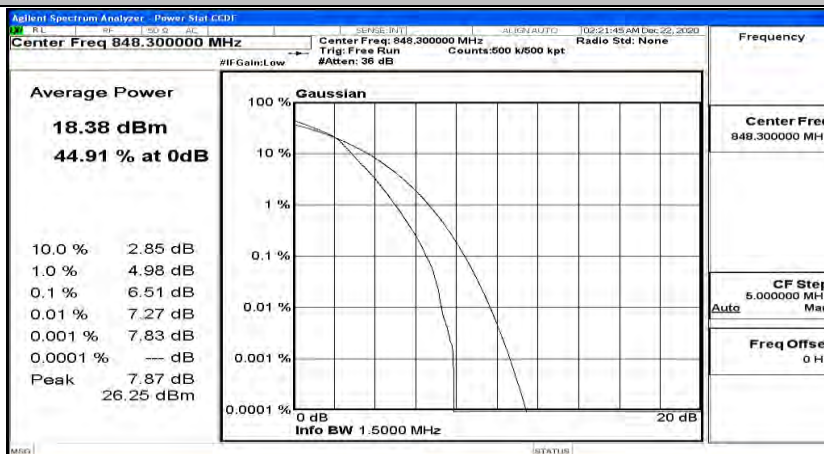
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM



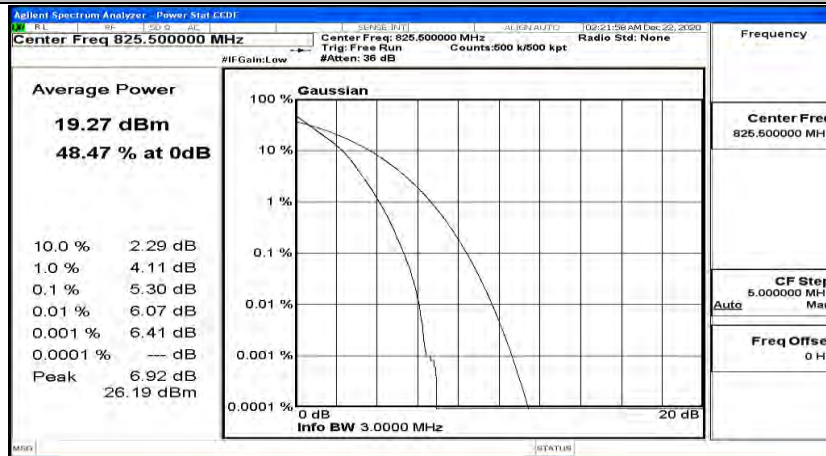
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM



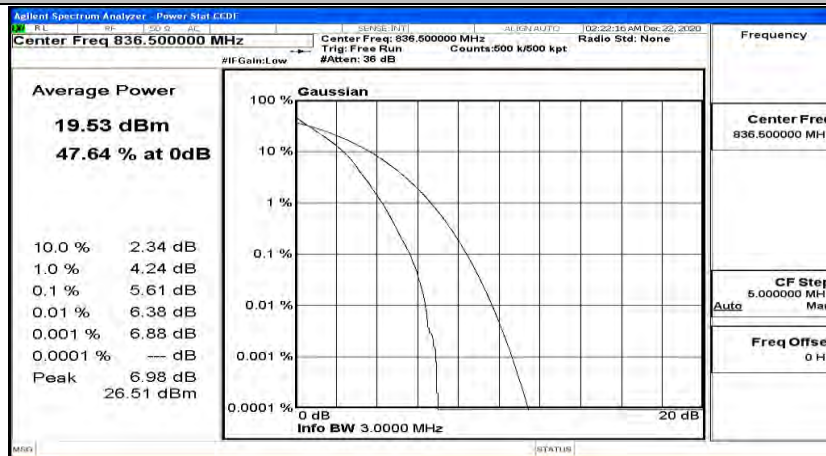
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM



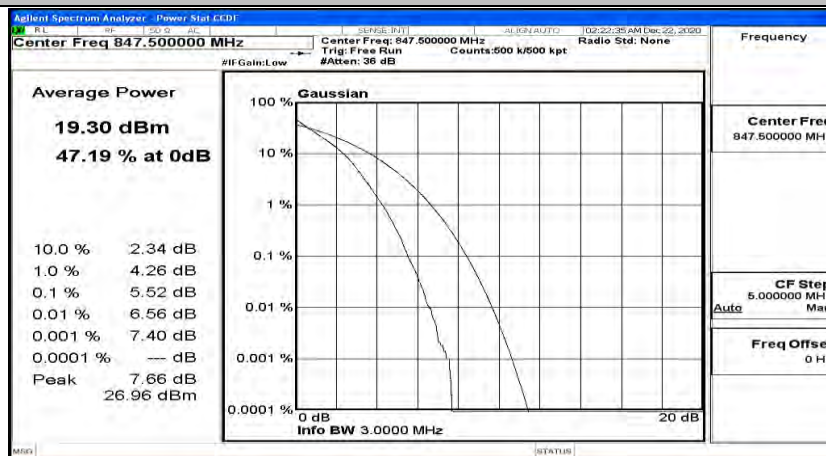
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_QPSK



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

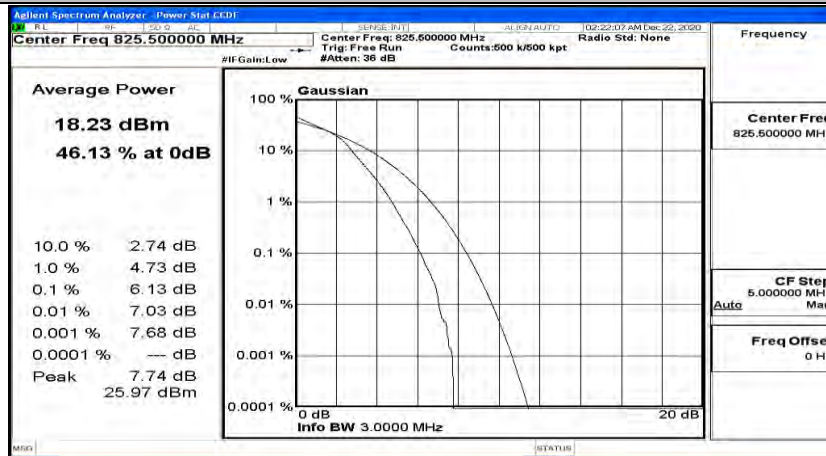


## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_QPSK

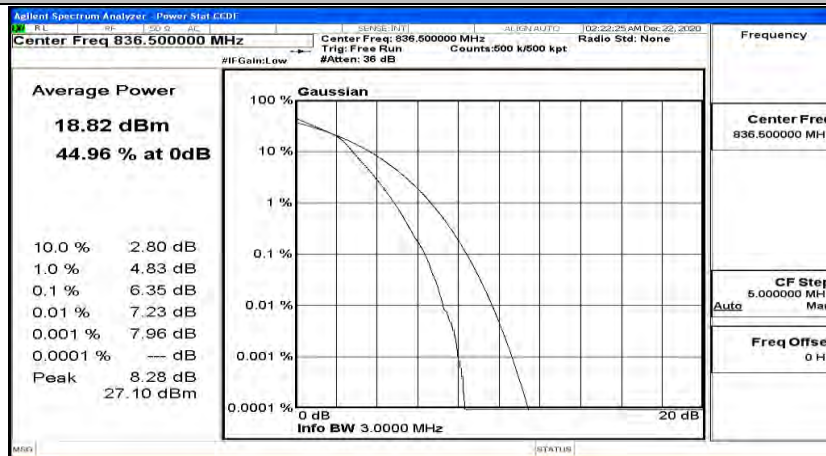




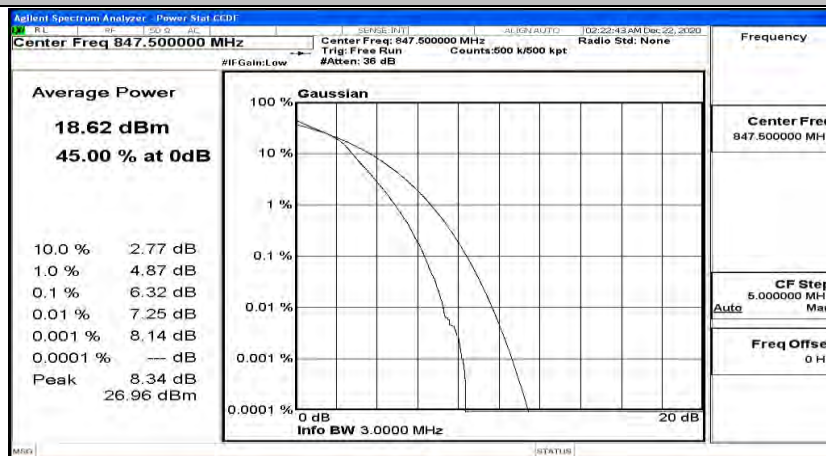
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_16QAM



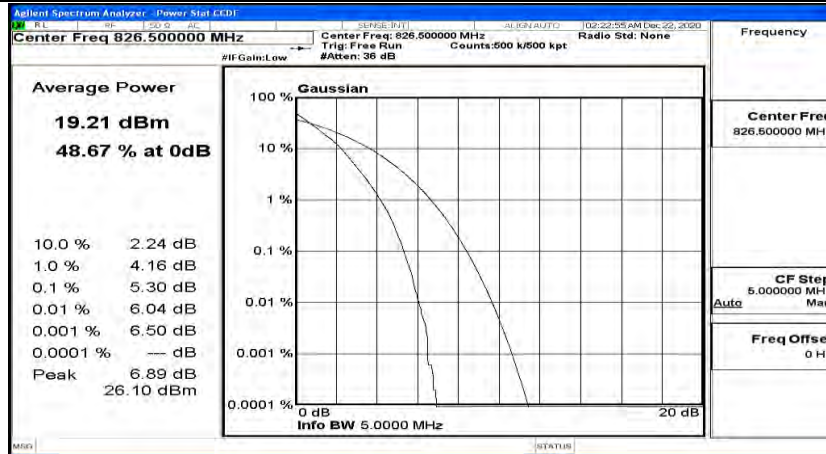
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_MCH\_16QAM



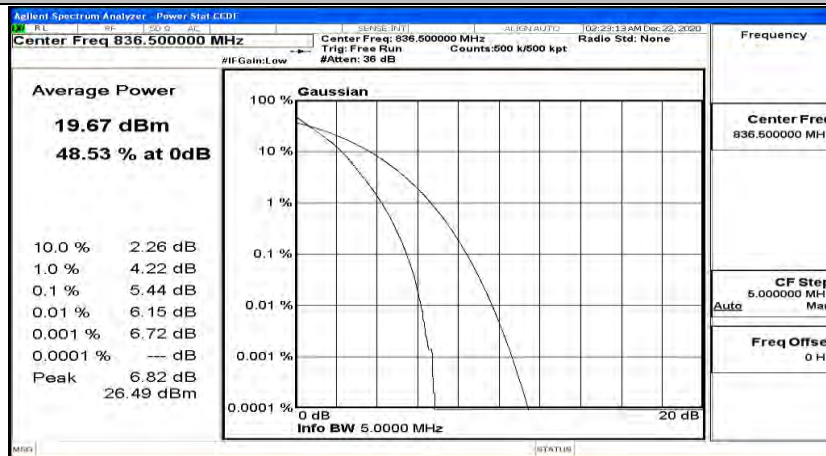
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_16QAM



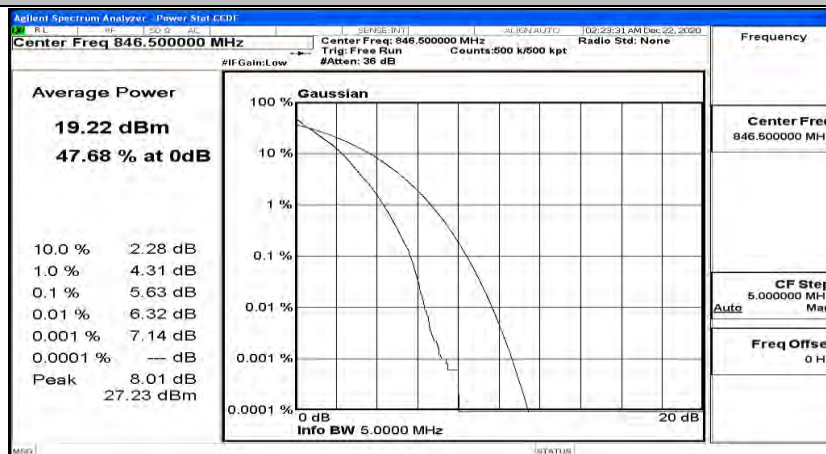
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_QPSK



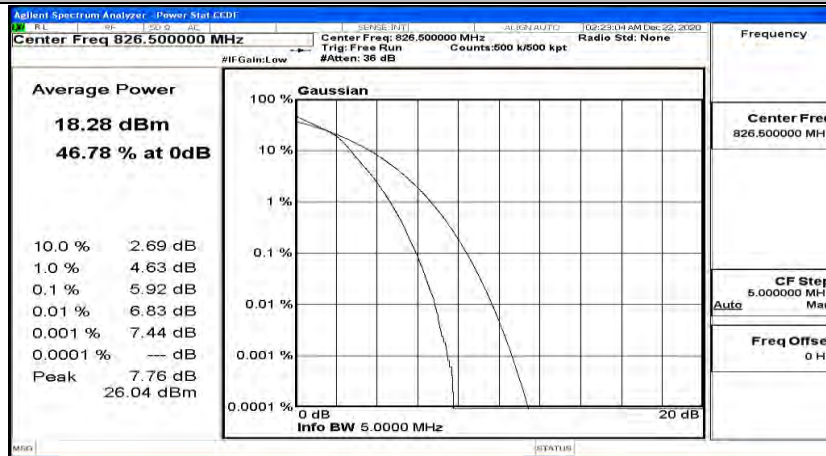
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_QPSK



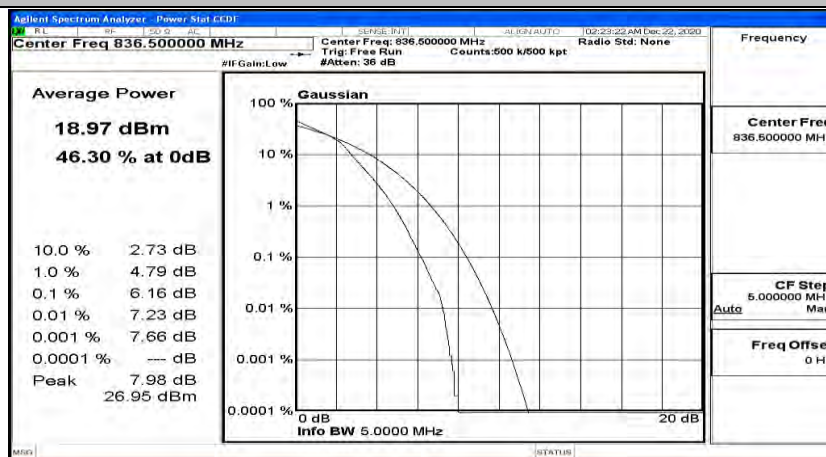
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_QPSK



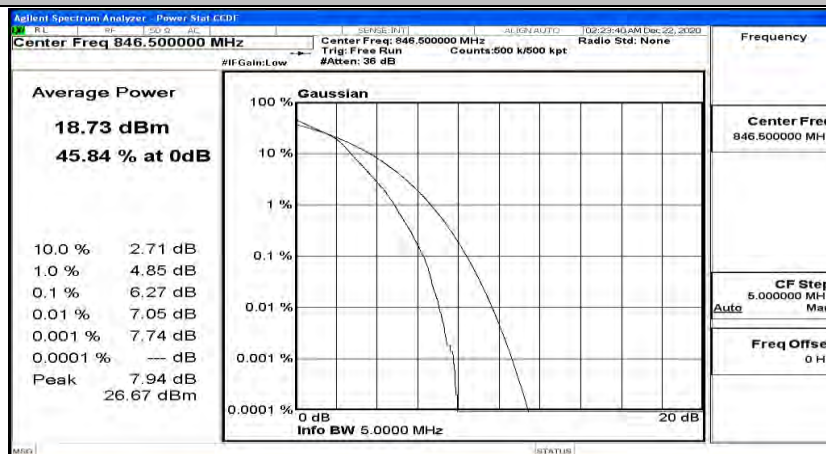
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_16QAM



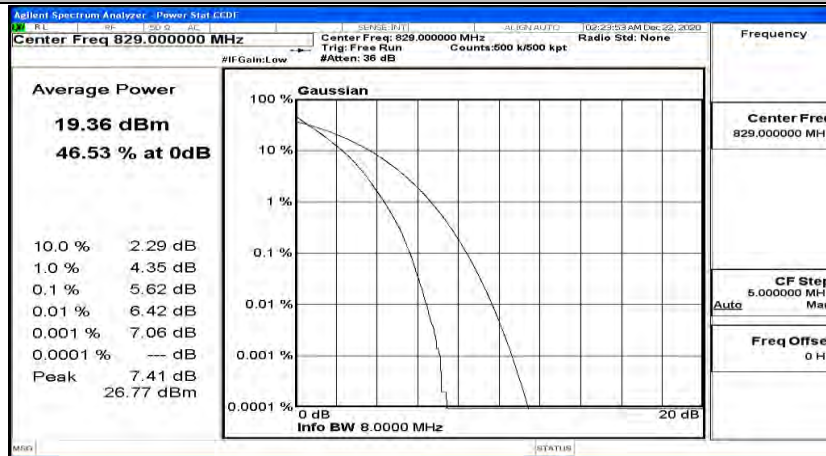
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_16QAM



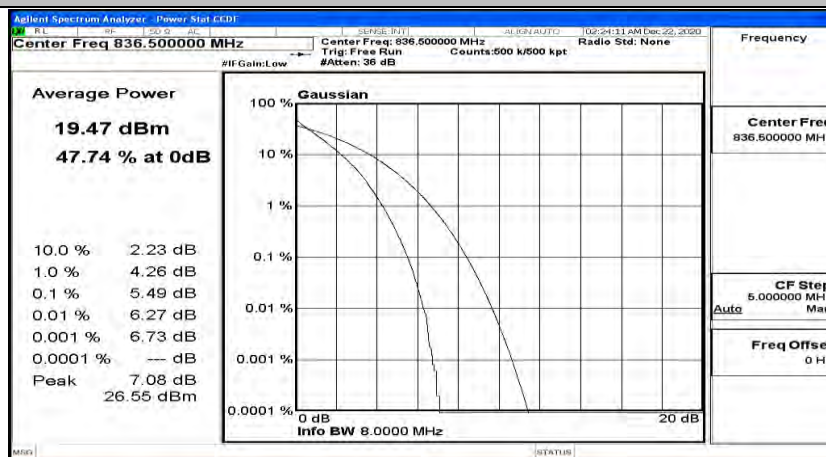
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM



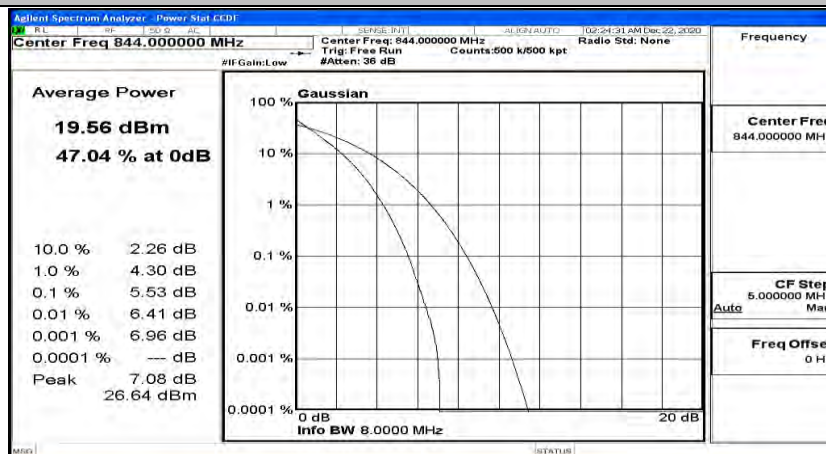
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz) \_LCH\_QPSK



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

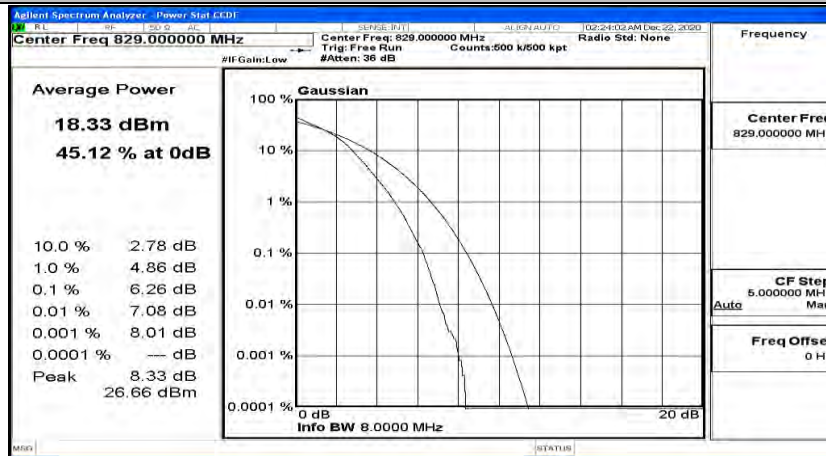


## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz) \_HCH\_QPSK

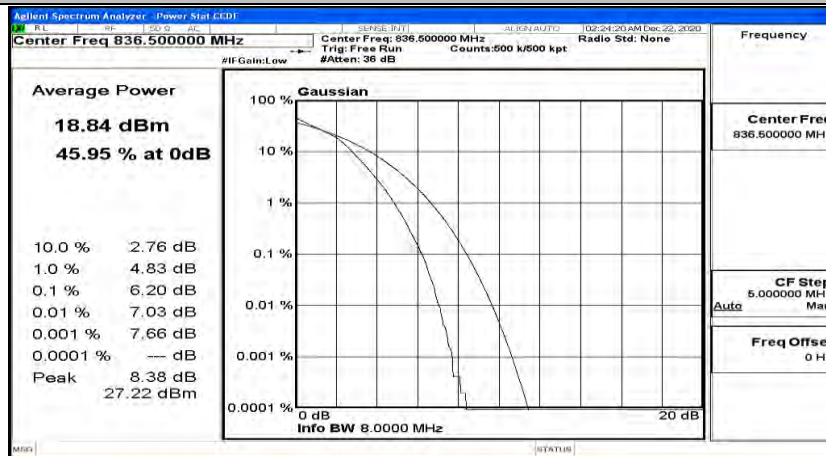




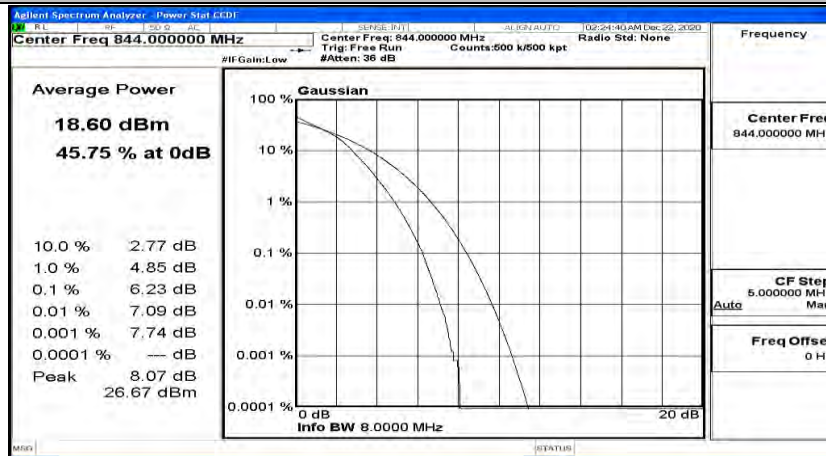
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_16QAM



## 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



**F.3 26dB Bandwidth and Occupied Bandwidth**

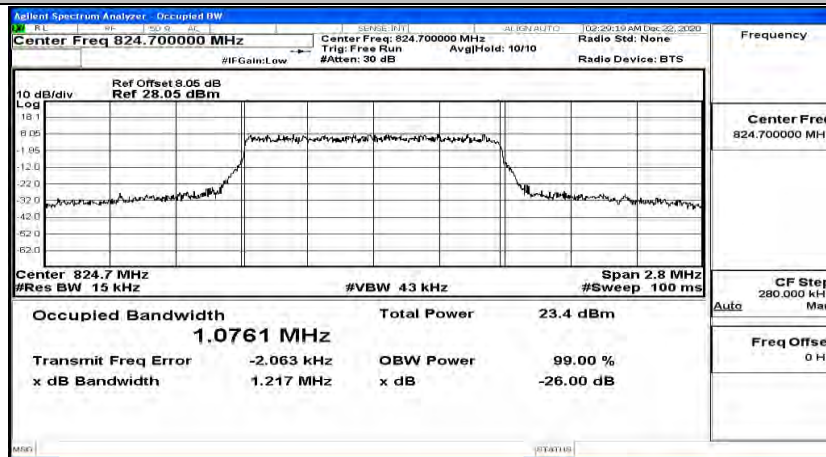
<b>EBW &amp; OBW Test Result (Channel Bandwidth: 1.4 MHz)</b>				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	1.0761	1.217	PASS
	MCH	1.0781	1.217	PASS
	HCH	1.0775	1.225	PASS
16QAM	LCH	1.0785	1.217	PASS
	MCH	1.0788	1.225	PASS
	HCH	1.0820	1.222	PASS

<b>EBW &amp; OBW Test Result (Channel Bandwidth: 3 MHz)</b>				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	2.6877	2.946	PASS
	MCH	2.6829	2.936	PASS
	HCH	2.6820	2.937	PASS
16QAM	LCH	2.6838	2.973	PASS
	MCH	2.6883	2.965	PASS
	HCH	2.6848	2.942	PASS

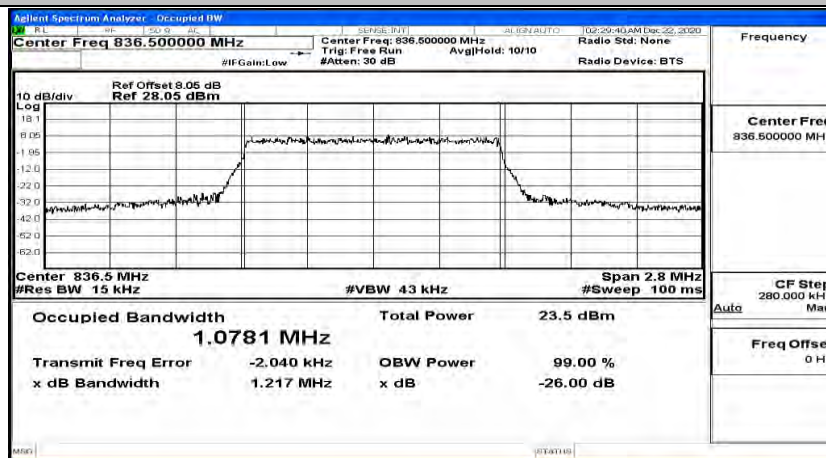
<b>EBW &amp; OBW Test Result (Channel Bandwidth: 5 MHz)</b>				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4739	4.838	PASS
	MCH	4.4664	4.831	PASS
	HCH	4.4787	4.813	PASS
16QAM	LCH	4.4670	4.807	PASS
	MCH	4.4707	4.767	PASS
	HCH	4.4737	4.863	PASS

<b>EBW &amp; OBW Test Result (Channel Bandwidth: 10 MHz)</b>				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9634	9.534	PASS
	MCH	8.9140	9.477	PASS
	HCH	8.9351	9.607	PASS
16QAM	LCH	8.9605	9.619	PASS
	MCH	8.9363	9.496	PASS
	HCH	8.9346	9.408	PASS

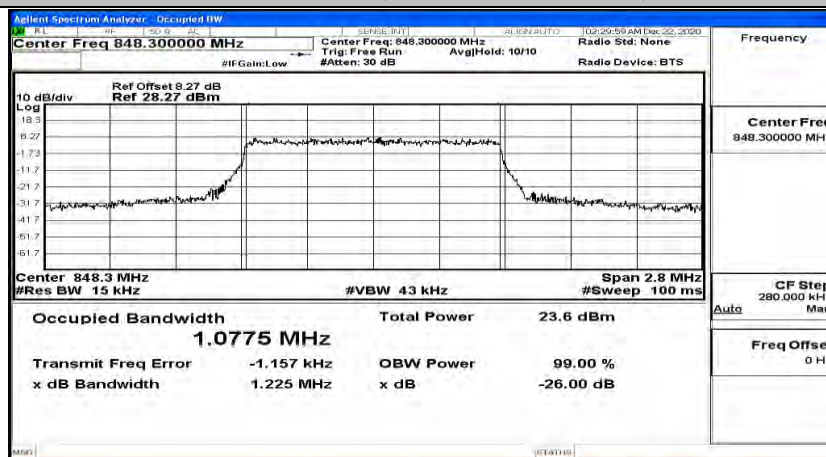
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK



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

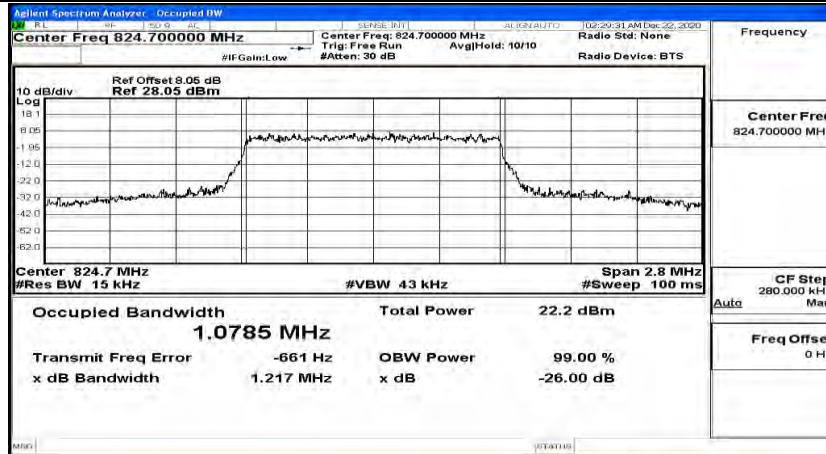


## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK

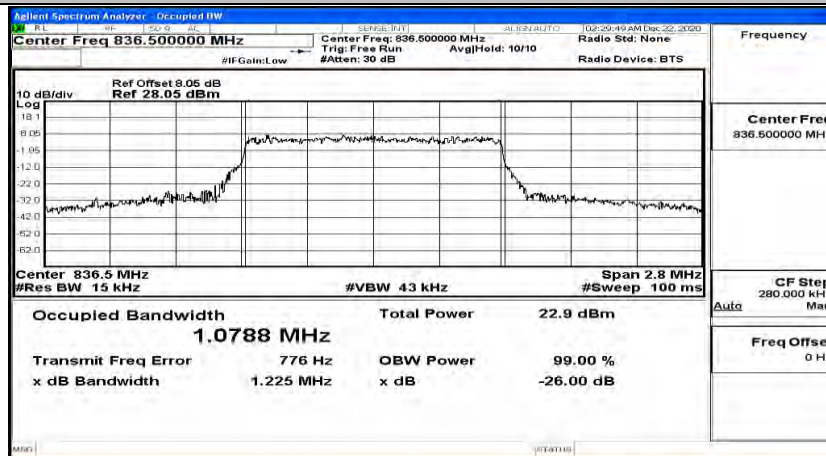




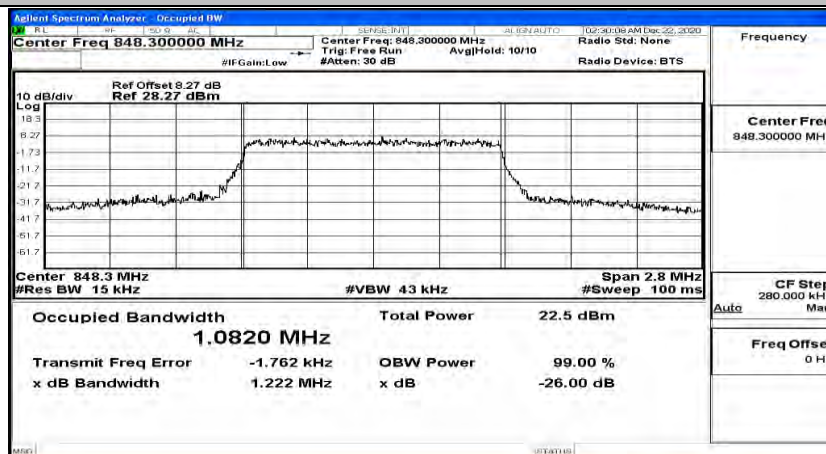
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM



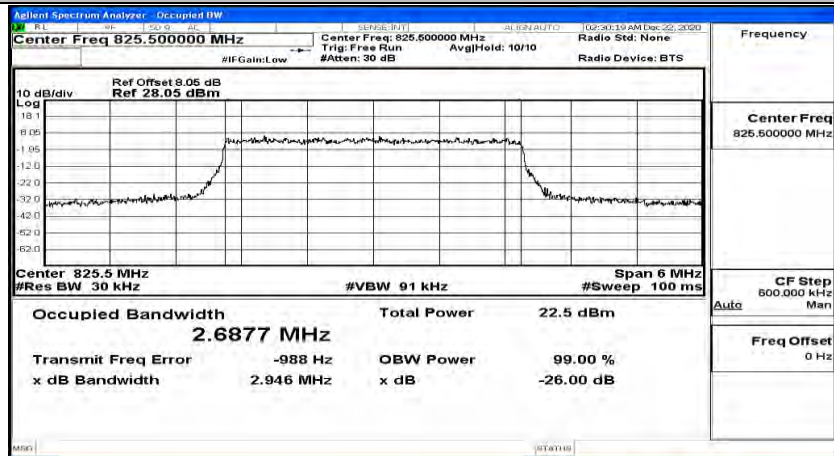
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM



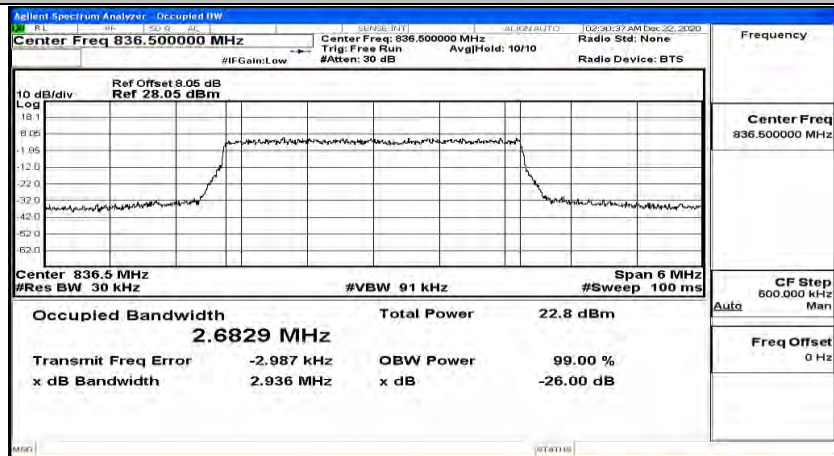
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM



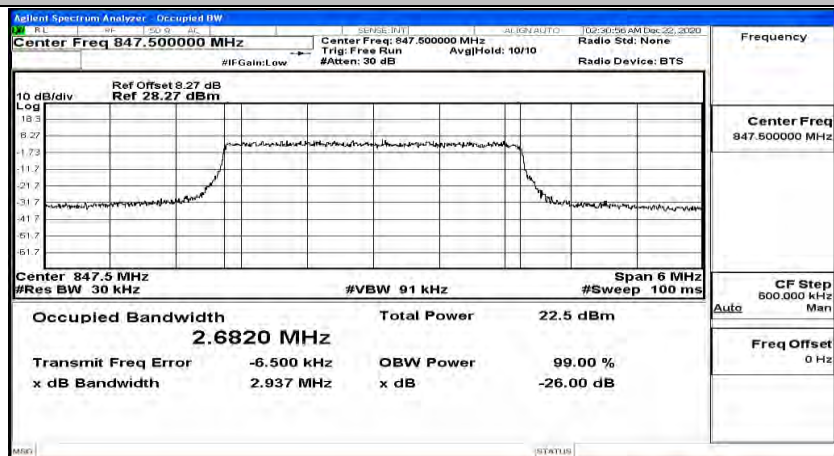
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_QPSK



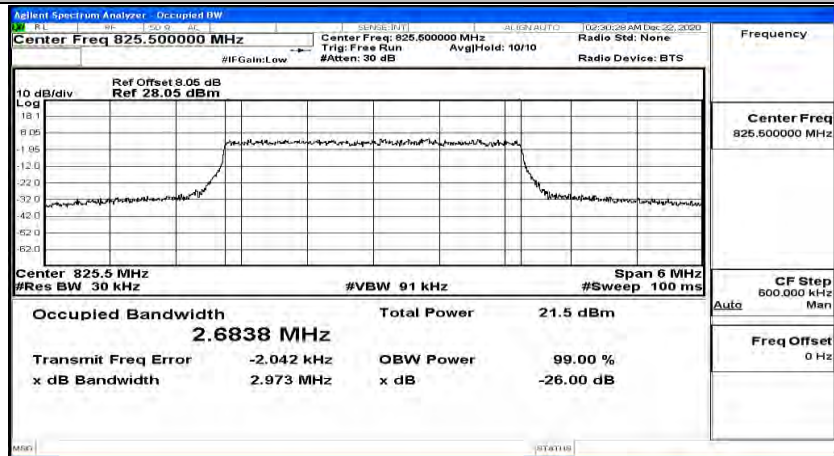
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_MCH\_QPSK



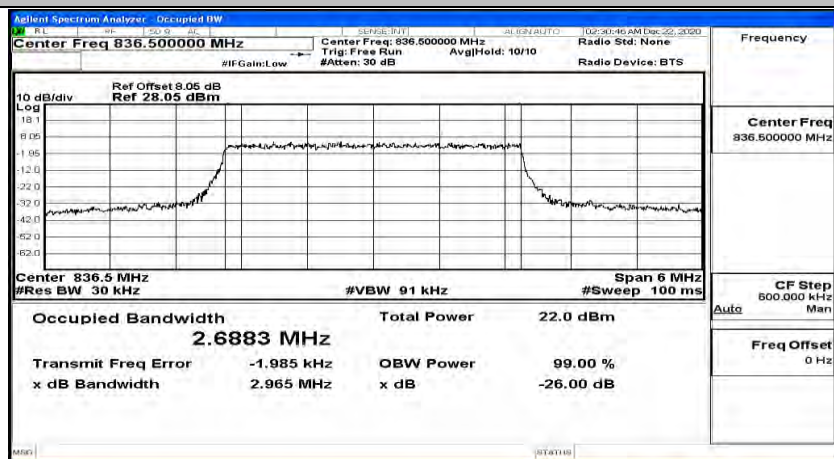
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_QPSK



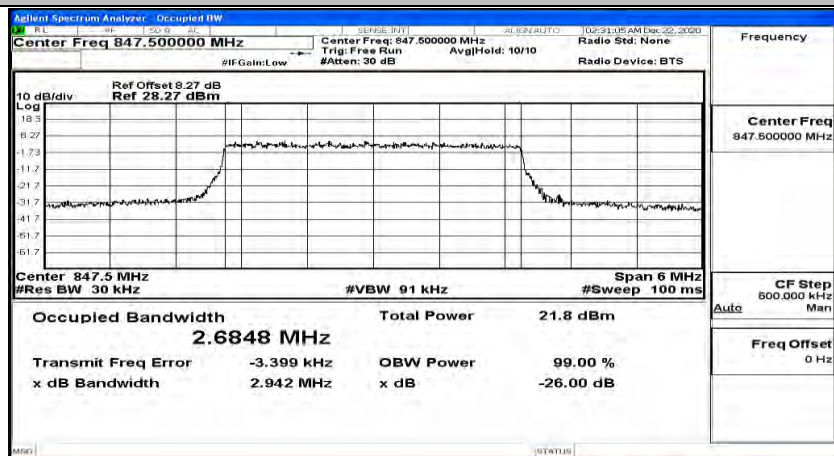
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_16QAM



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

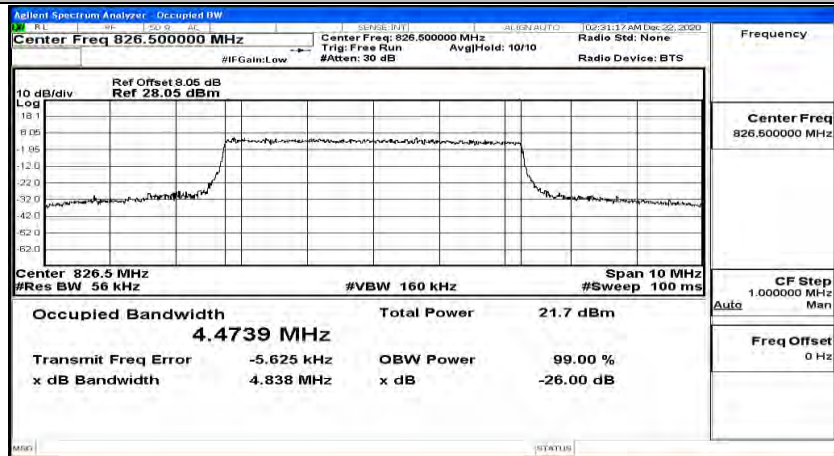


## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_16QAM

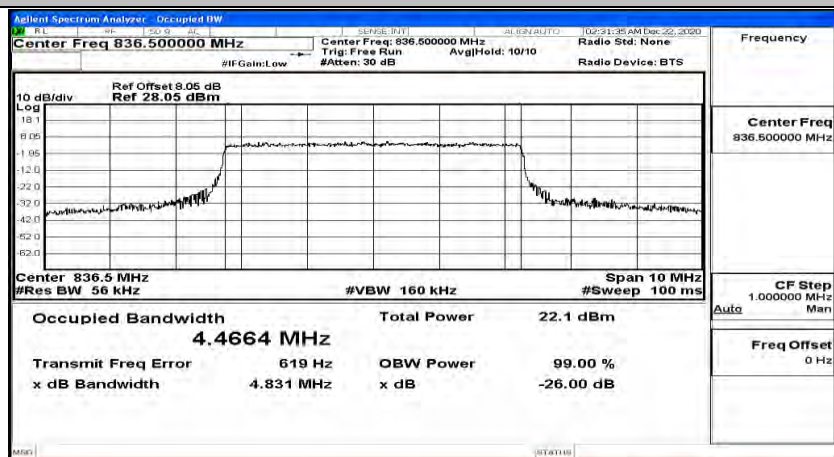




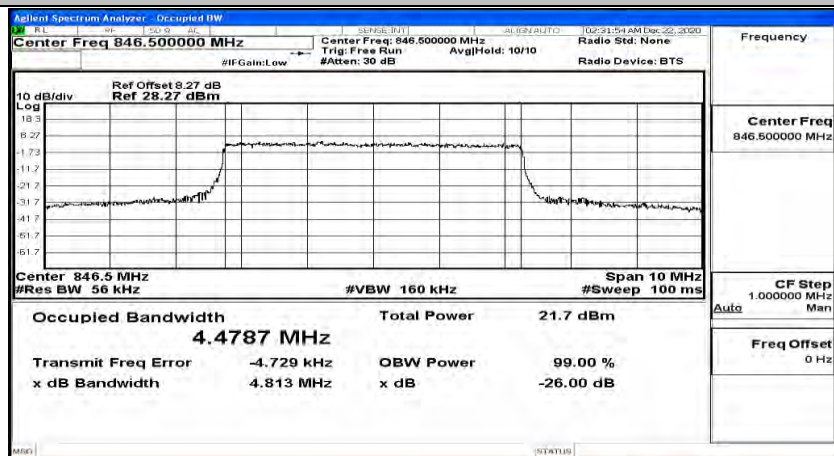
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_QPSK



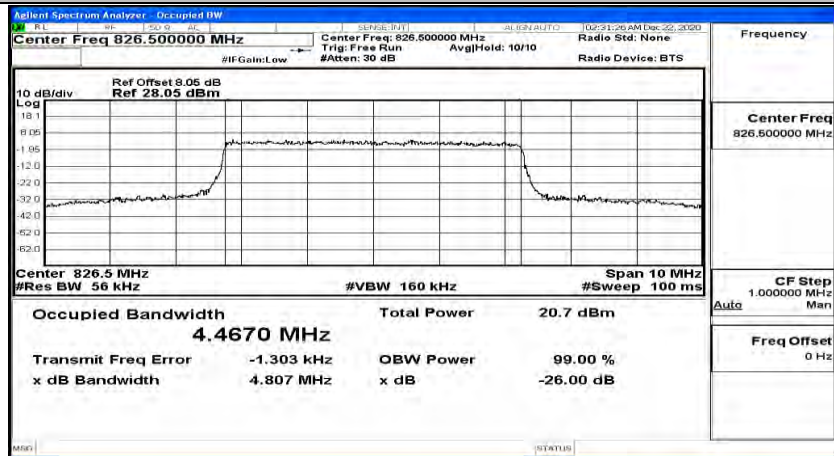
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_QPSK



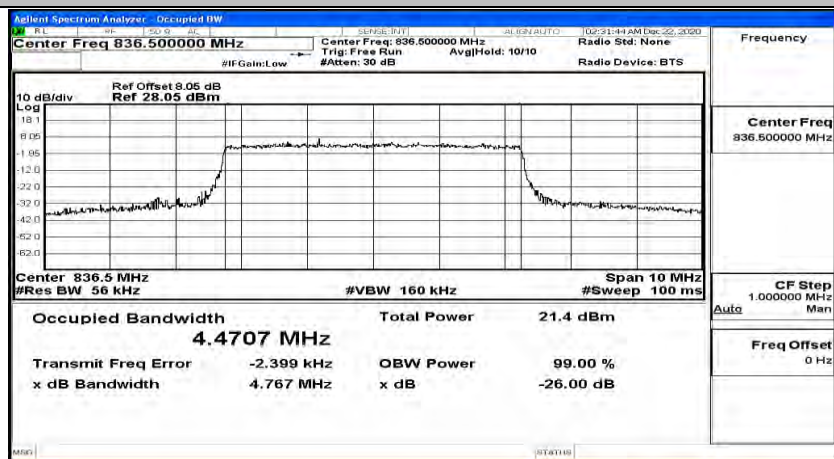
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_QPSK



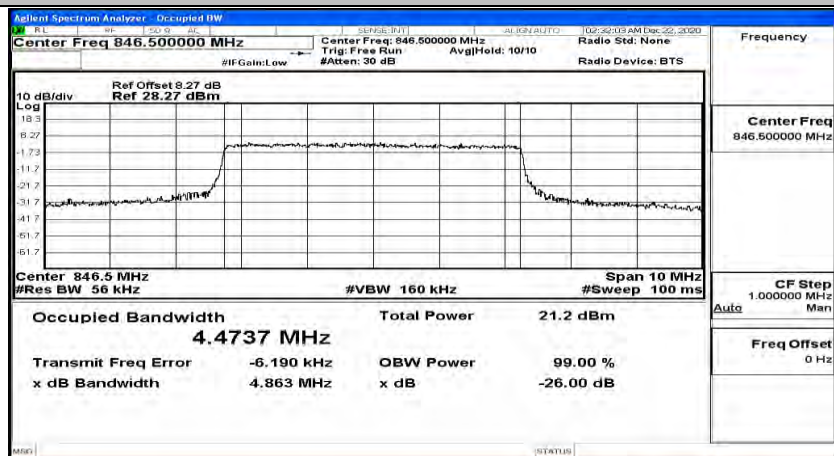
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_16QAM



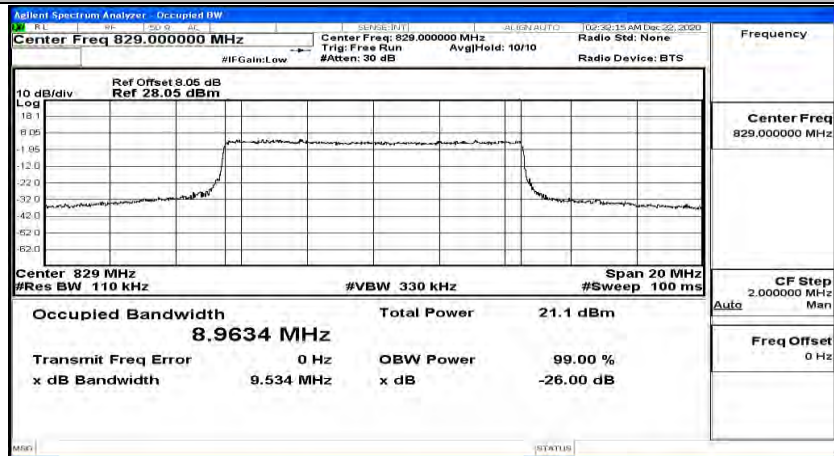
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_16QAM



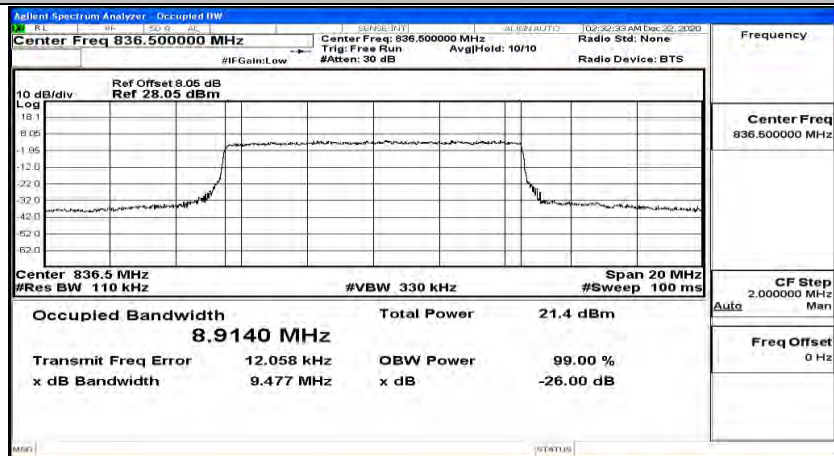
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM



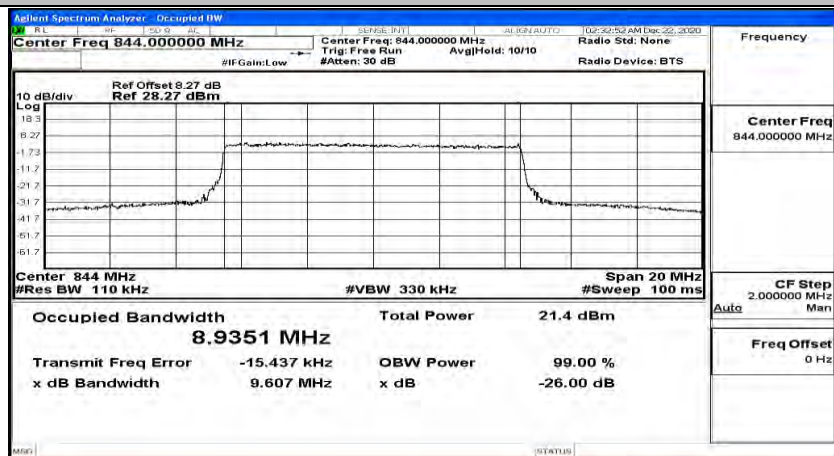
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK



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

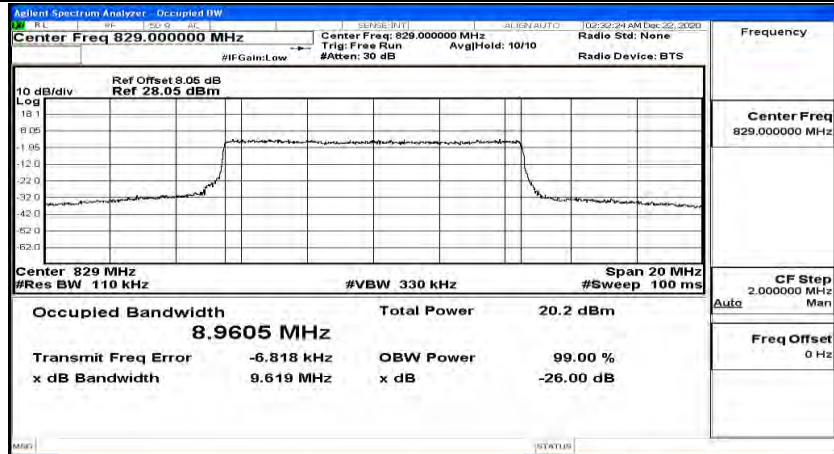


## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_QPSK

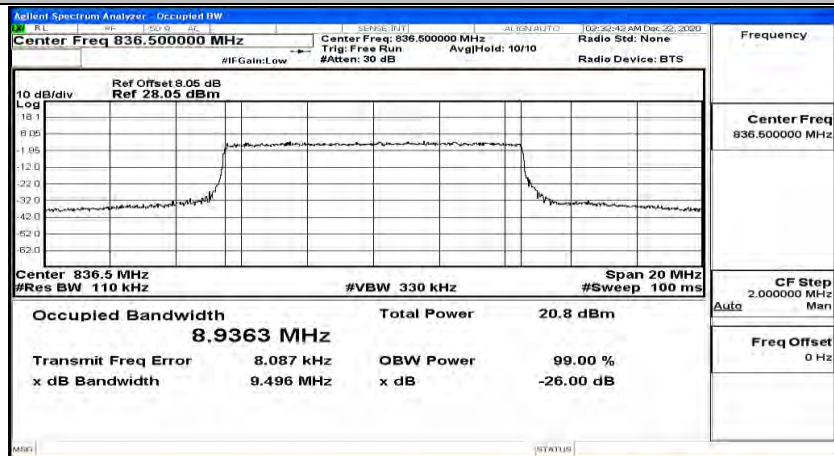




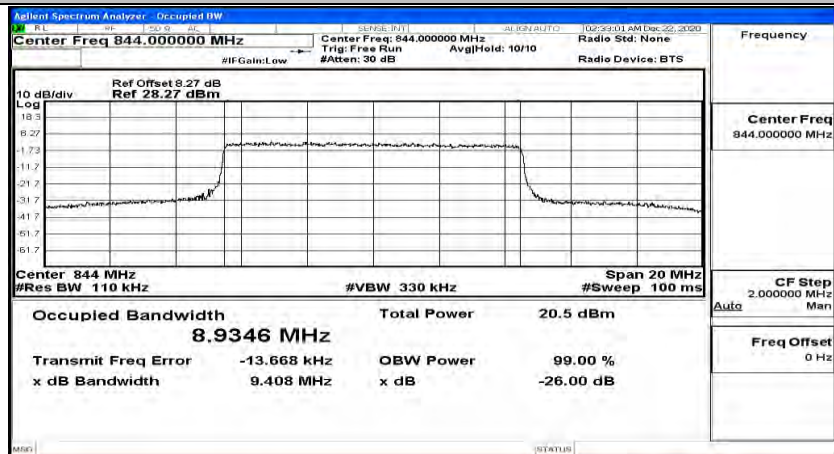
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_16QAM



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

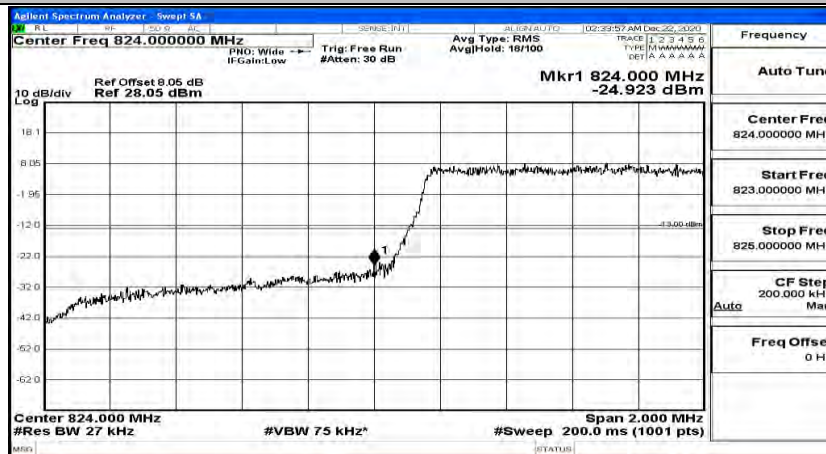


## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_16QAM

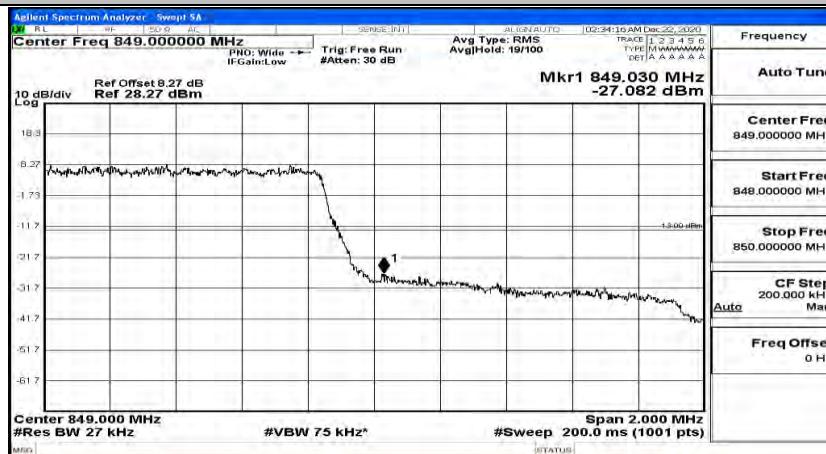


## F.4 Band Edge

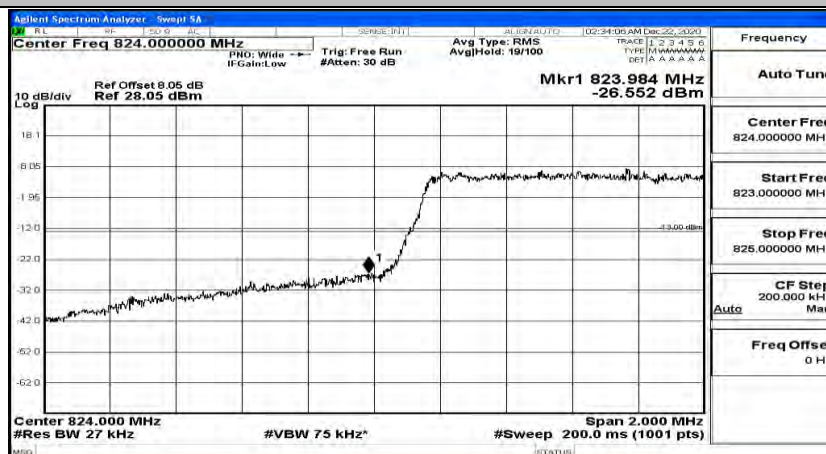
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK



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

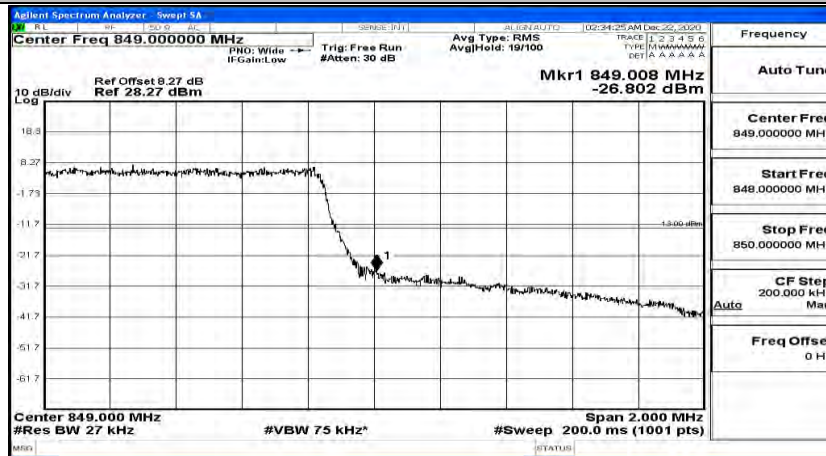


Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM

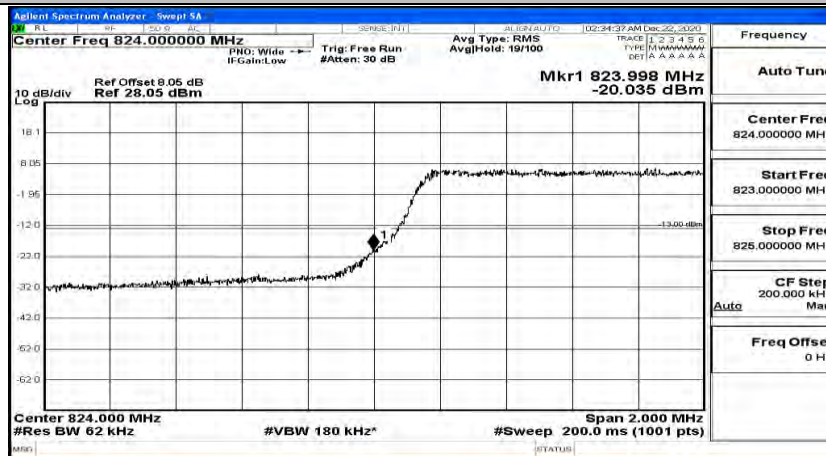




## Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM



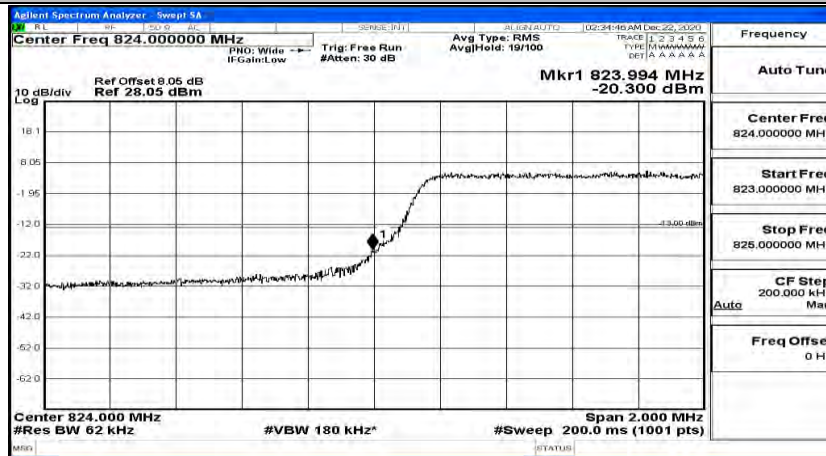
## Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_QPSK



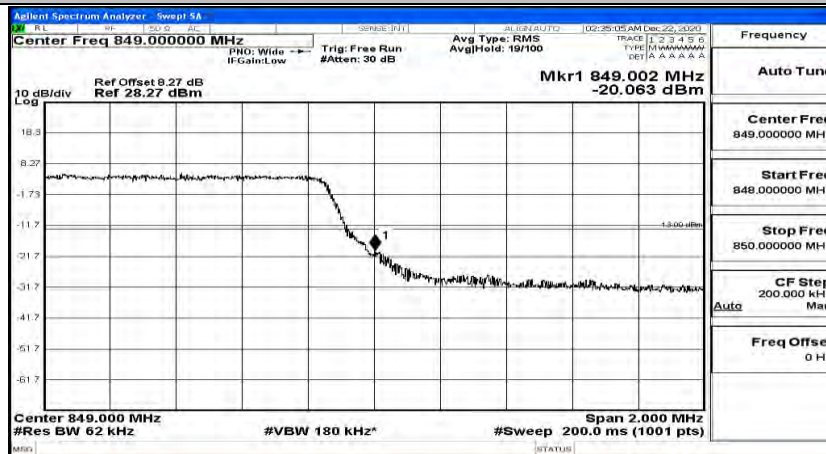
## Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_QPSK



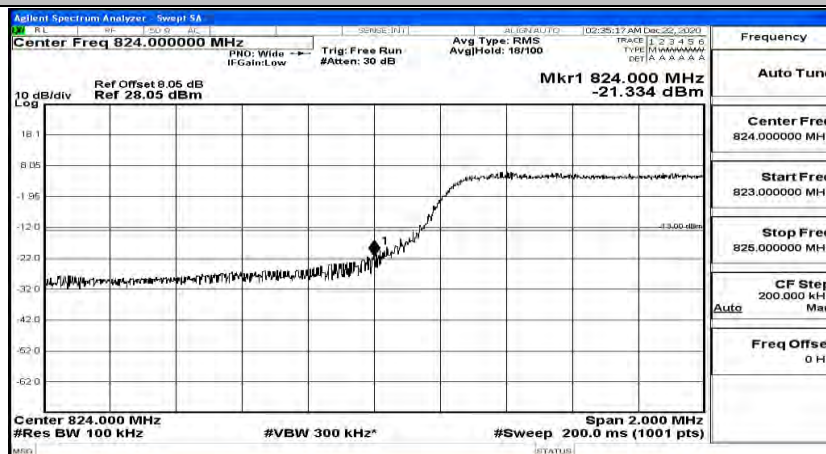
## Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_16QAM



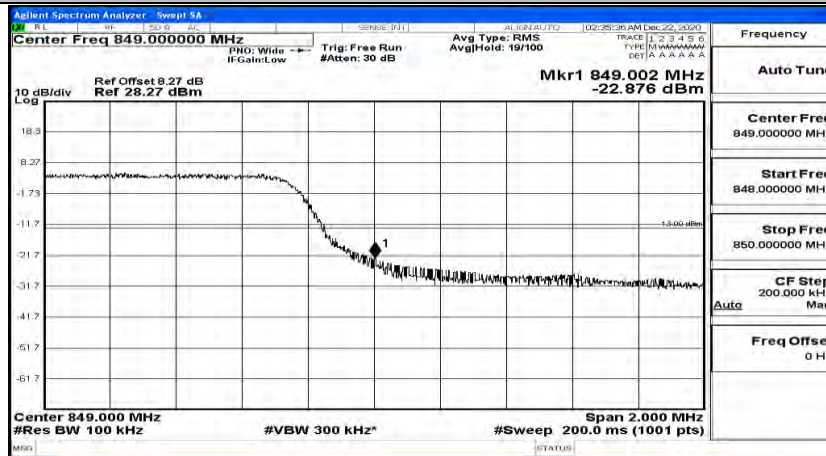
## Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_16QAM



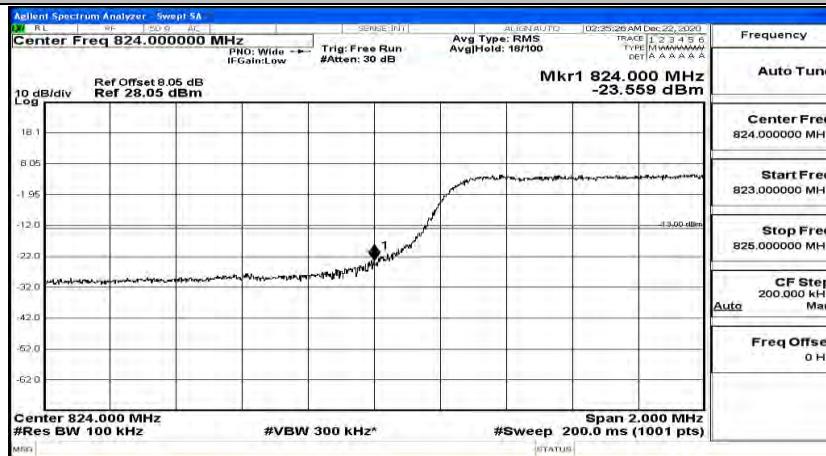
## Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_QPSK



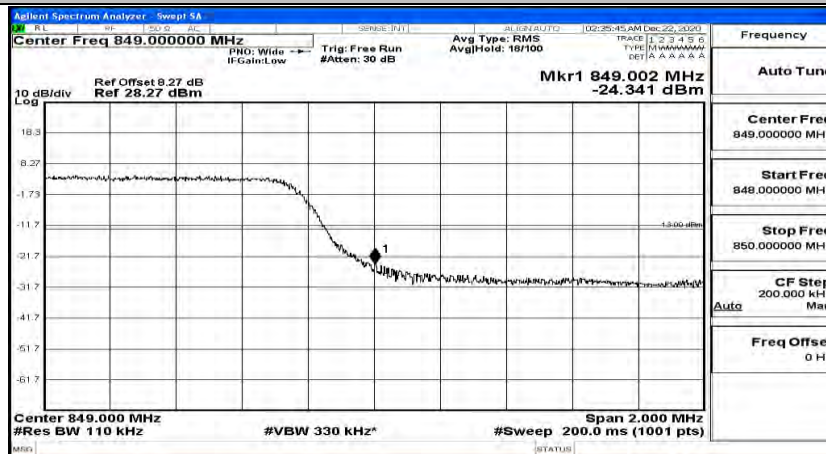
## Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_QPSK



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

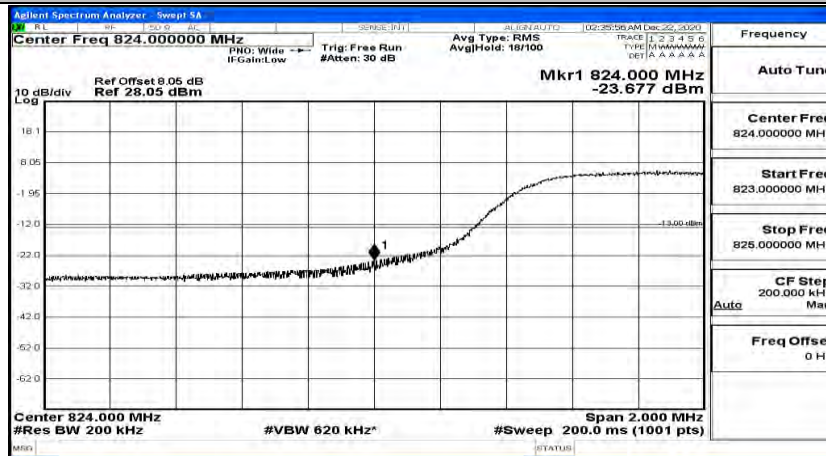


## Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM

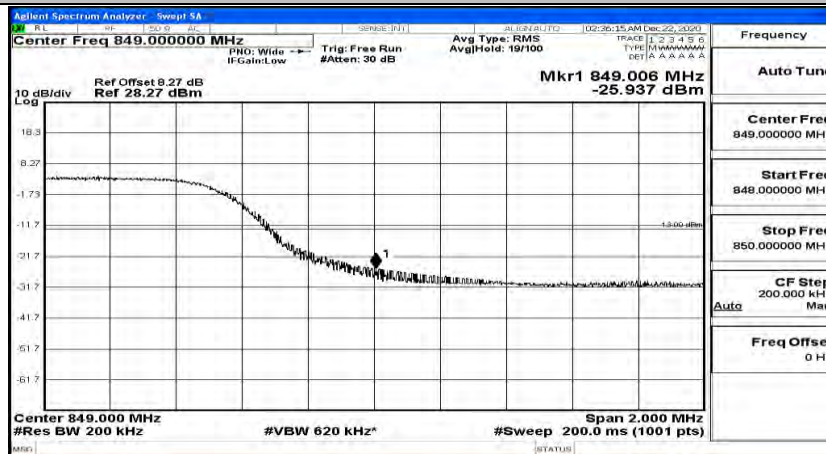




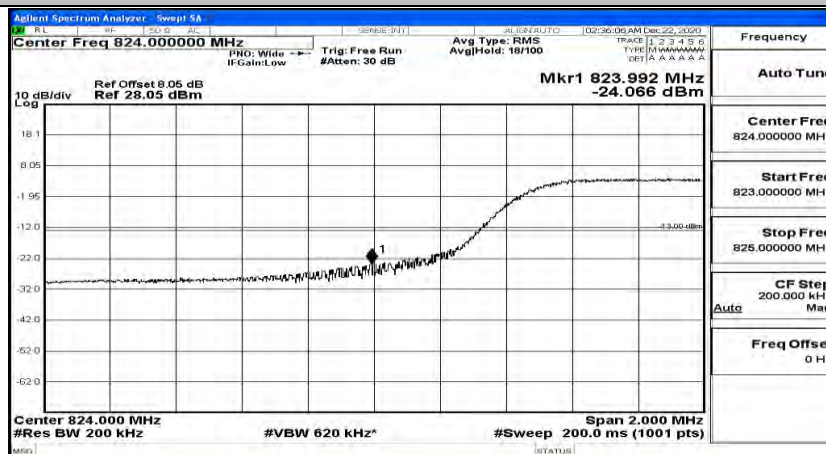
## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK



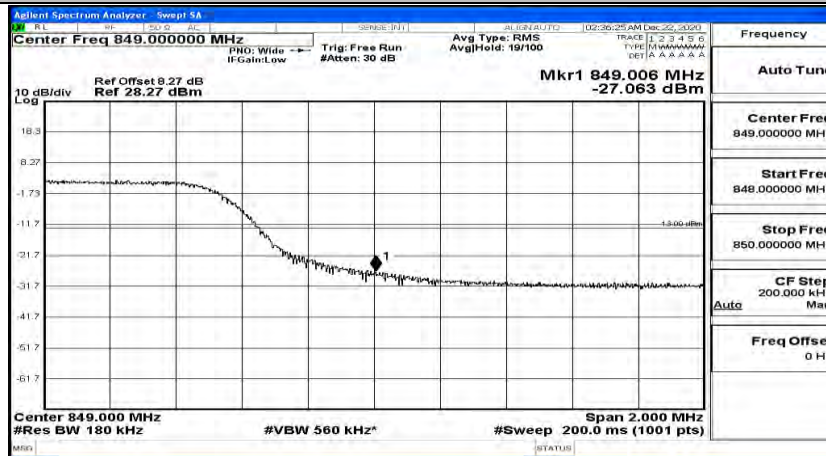
## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_QPSK



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



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

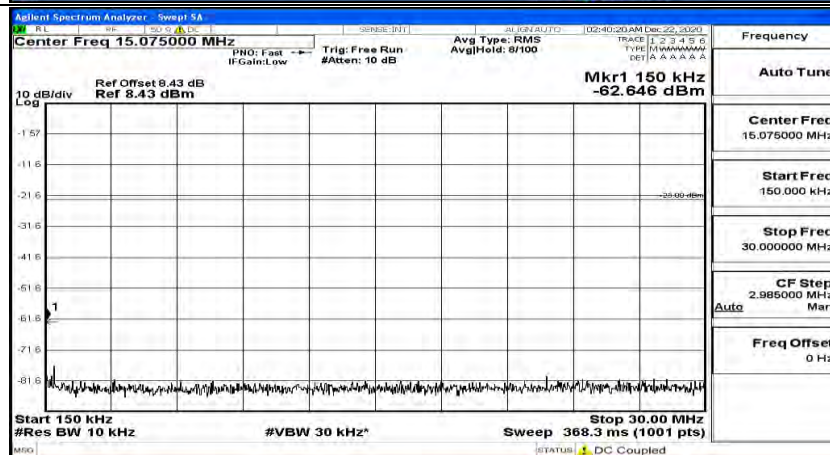
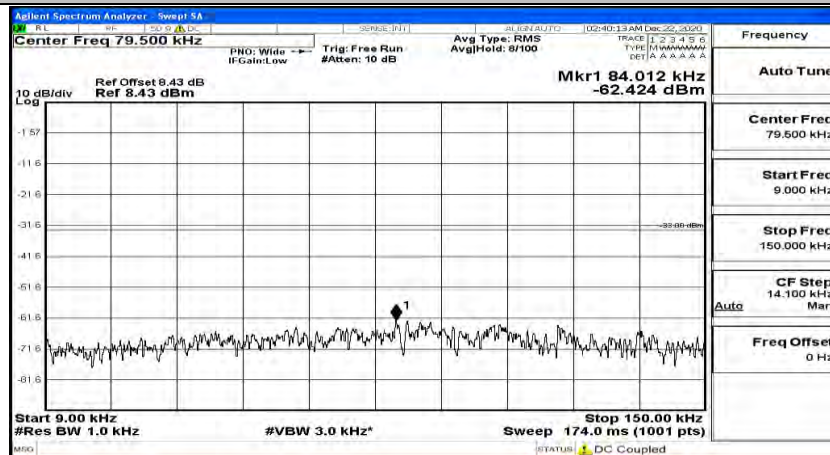


## F.5 Conducted Spurious Emission

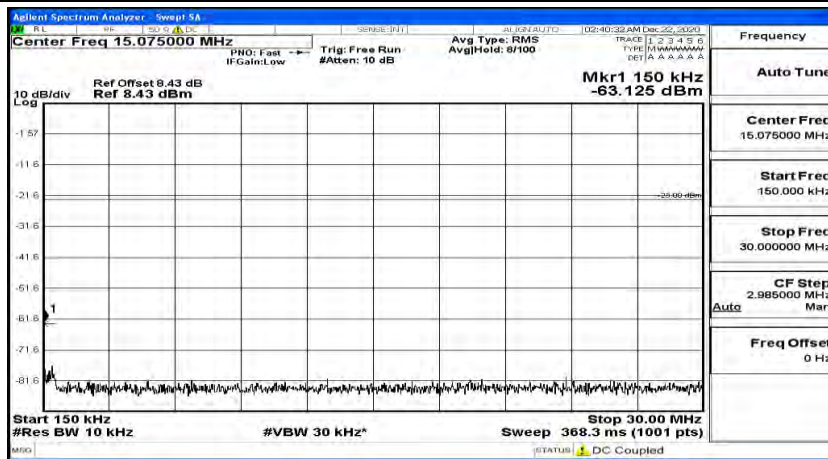
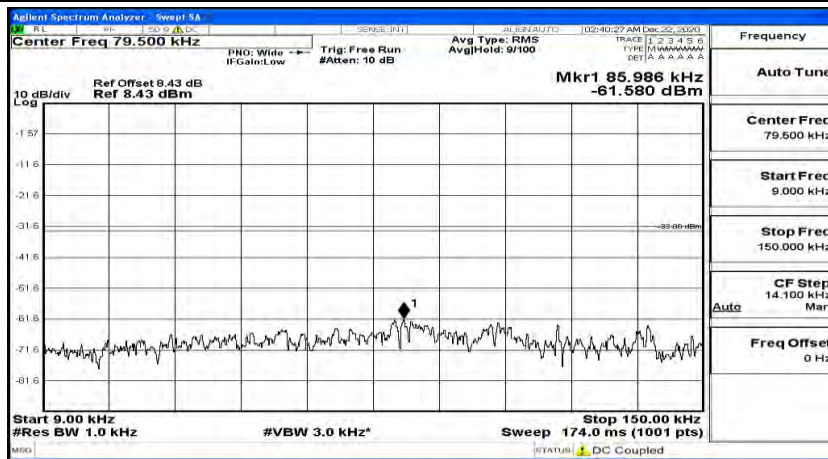
### Test Graphs

Channel Bandwidth: 1.4 MHz

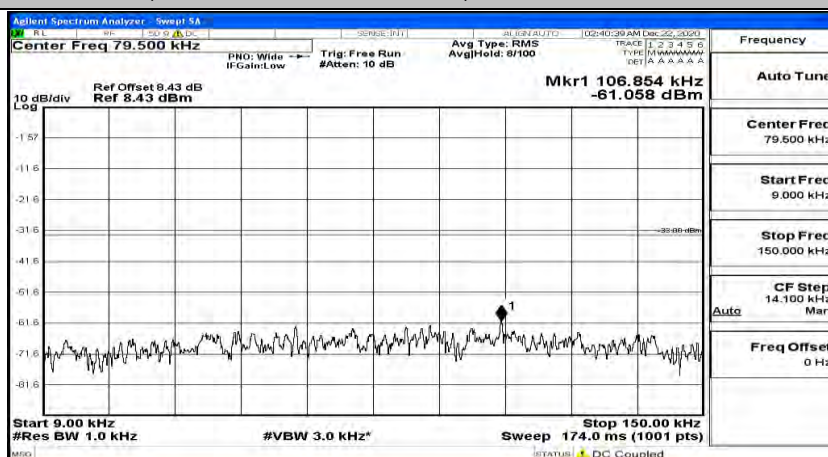
(Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK\_1RB#0



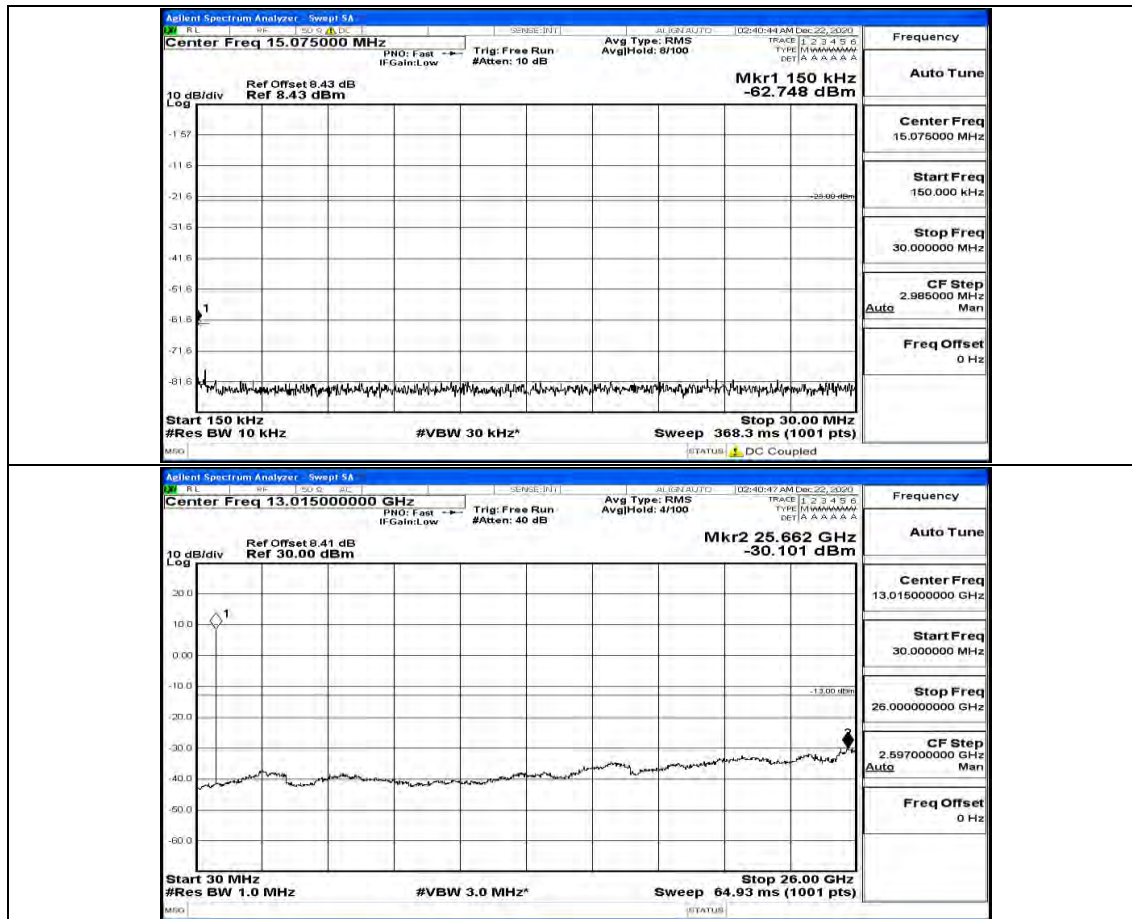
(Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK\_1RB#3



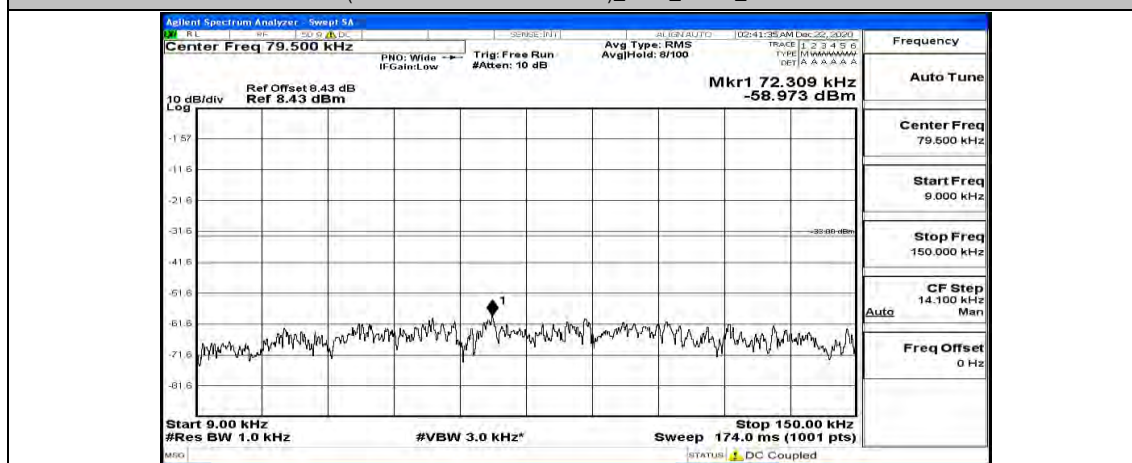
(Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK\_1RB#5



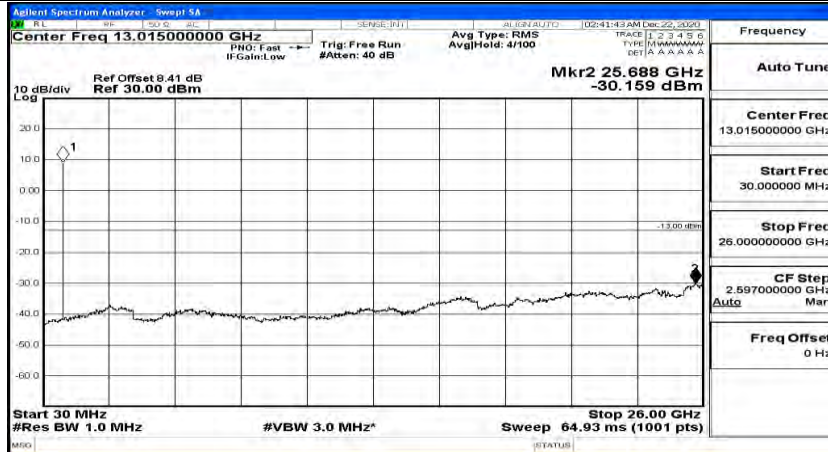
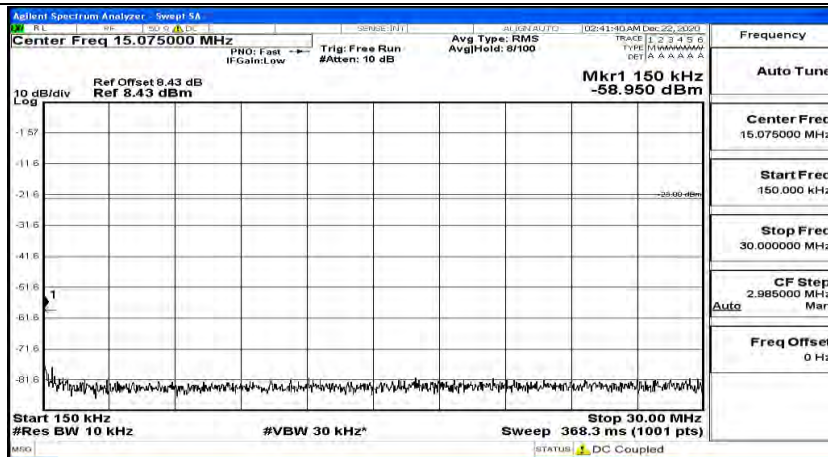




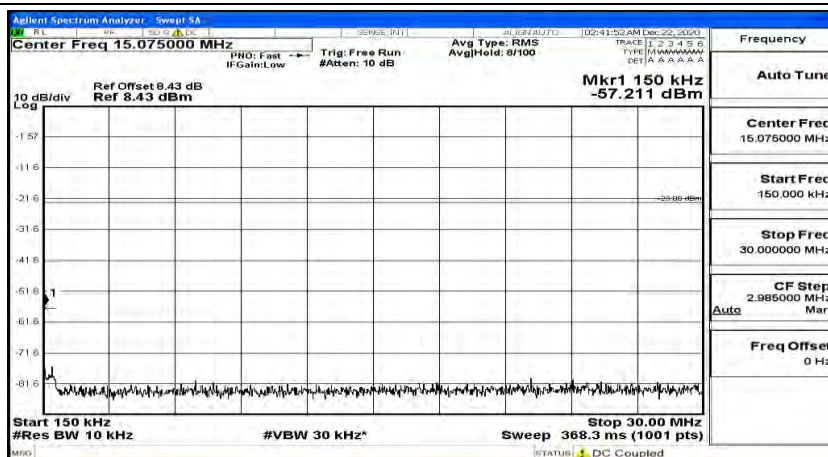
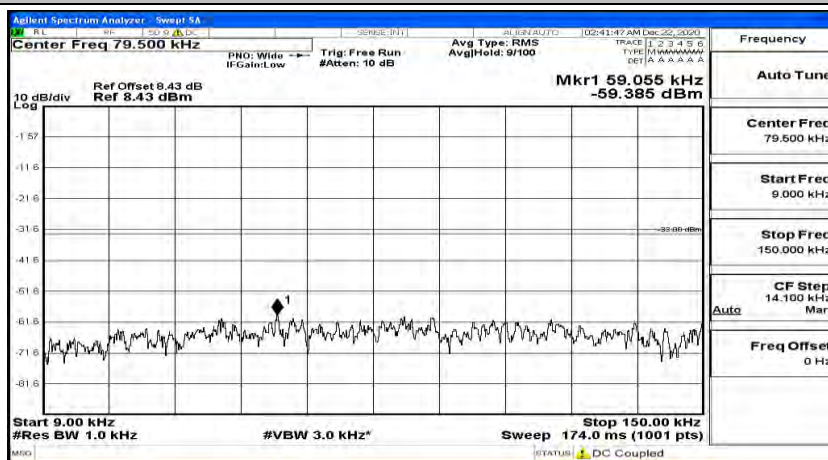
(Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK\_1RB#0

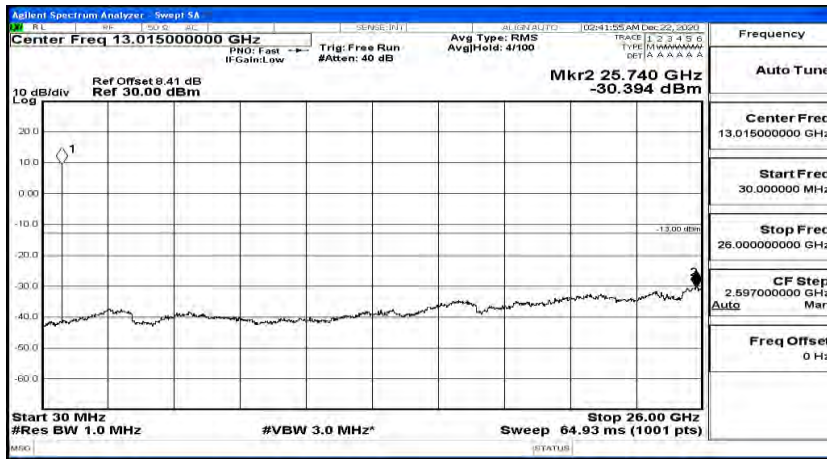




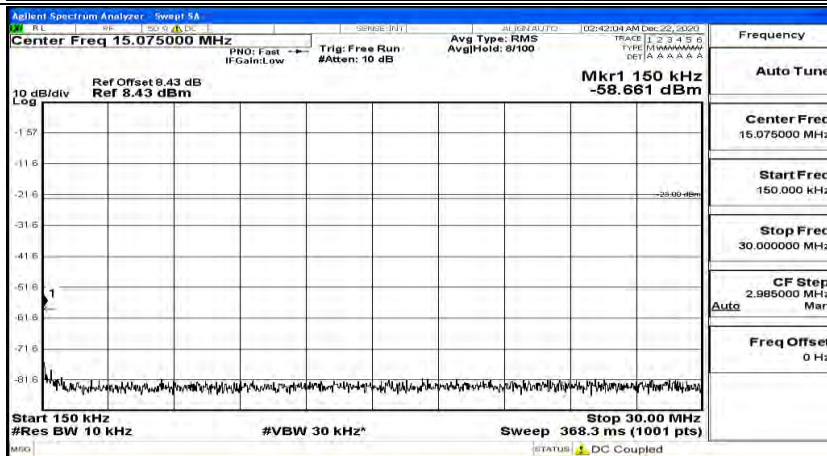
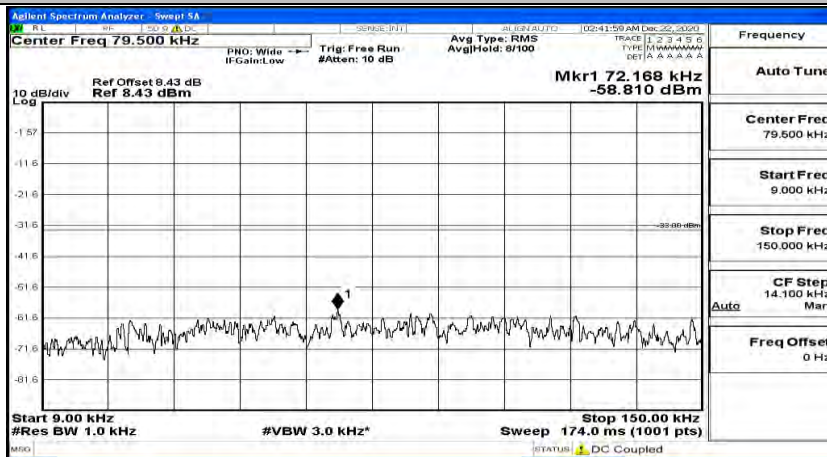


(Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK\_1RB#3

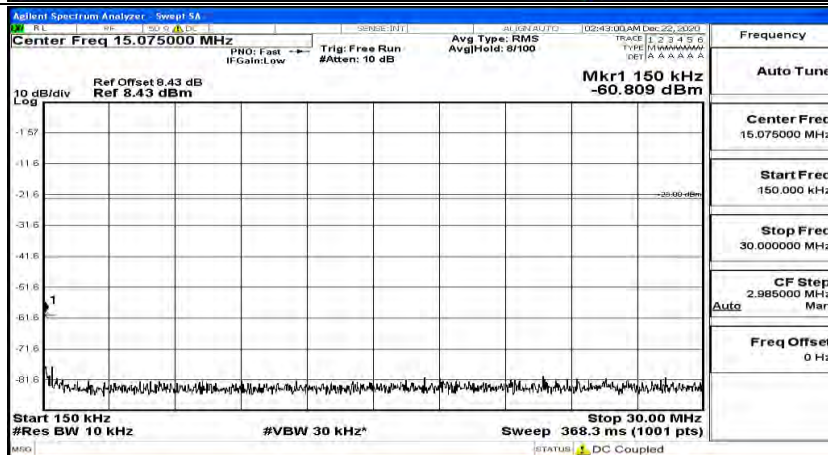
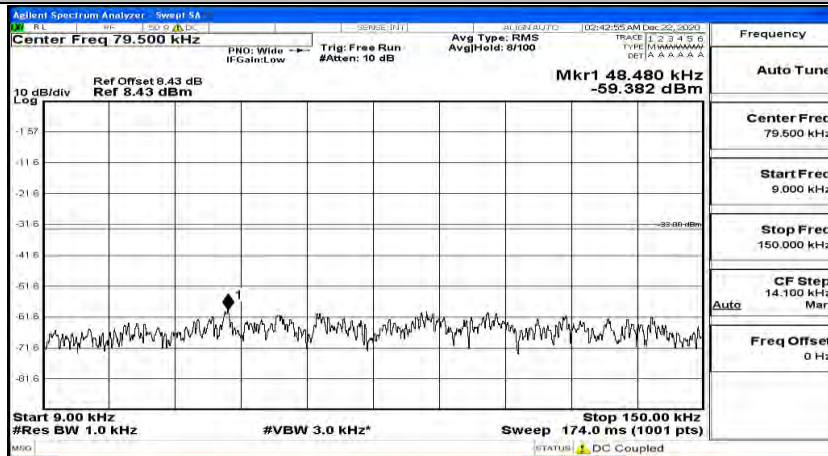




(Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK\_1RB#5

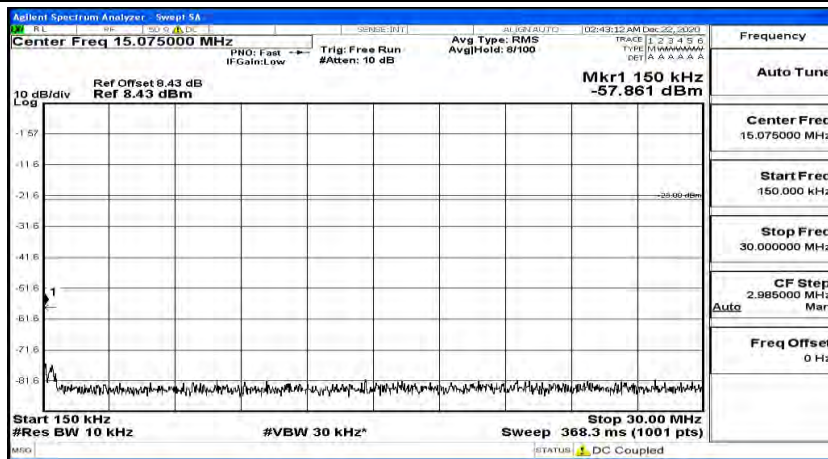
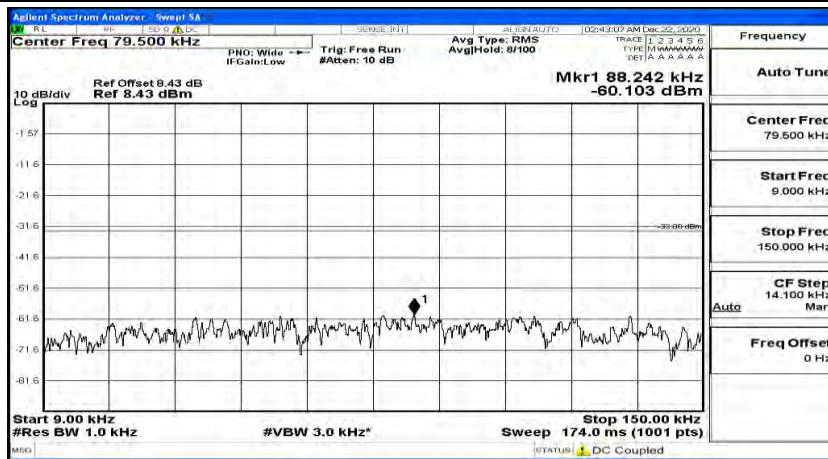


(Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK\_1RB#0

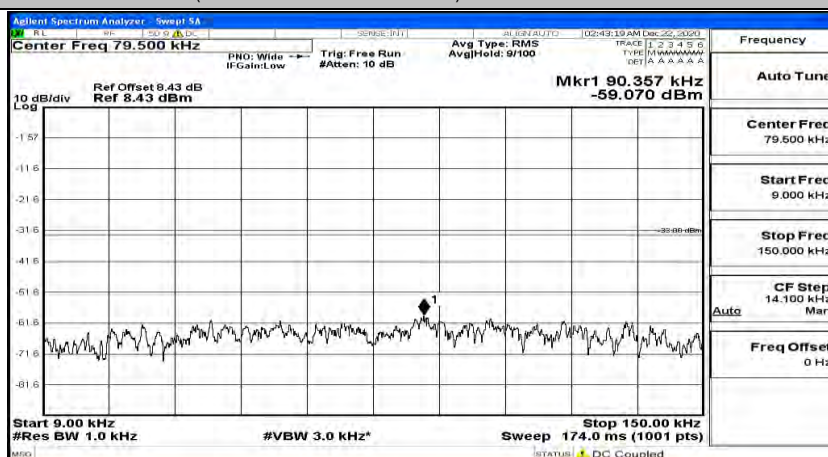


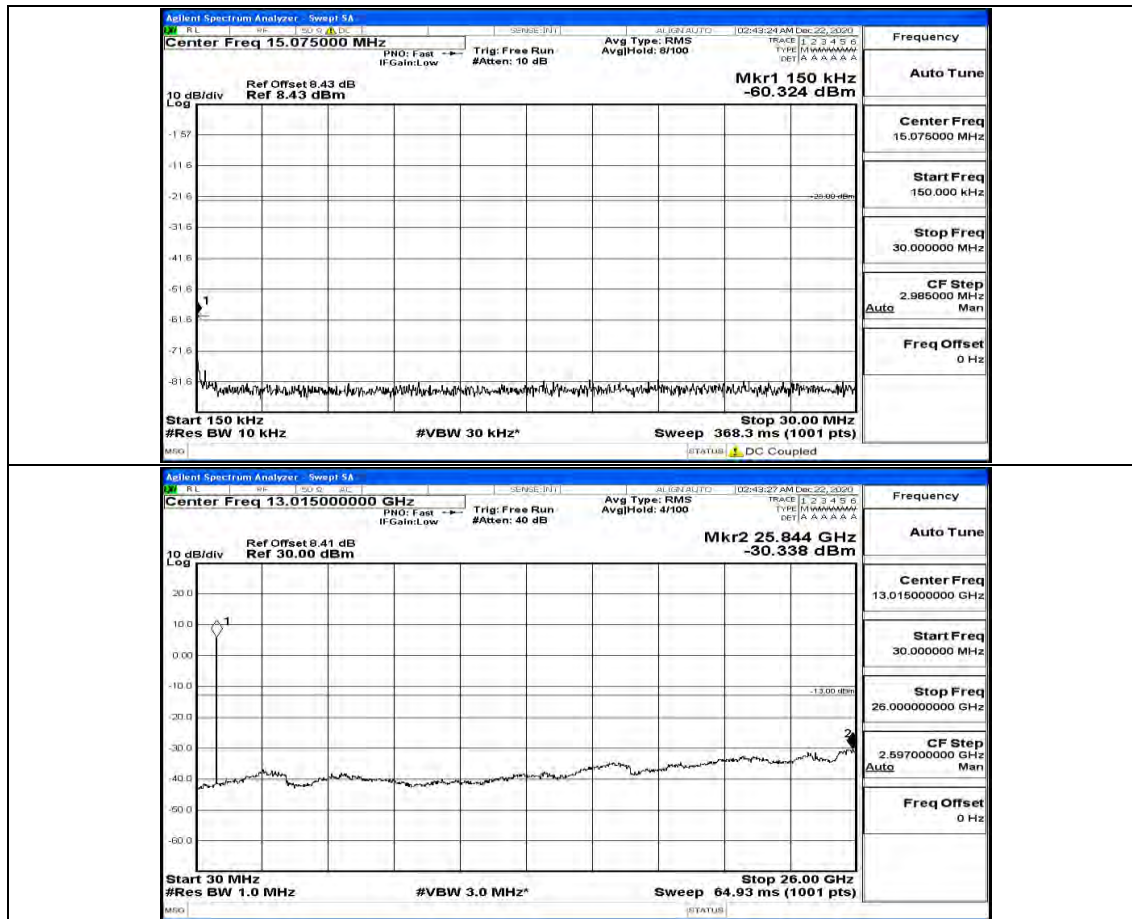
(Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK\_1RB#3



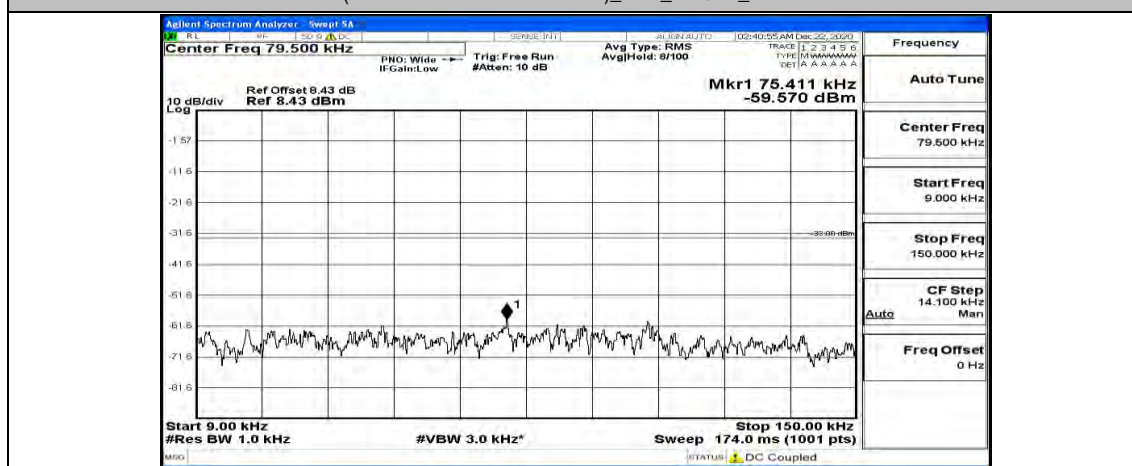


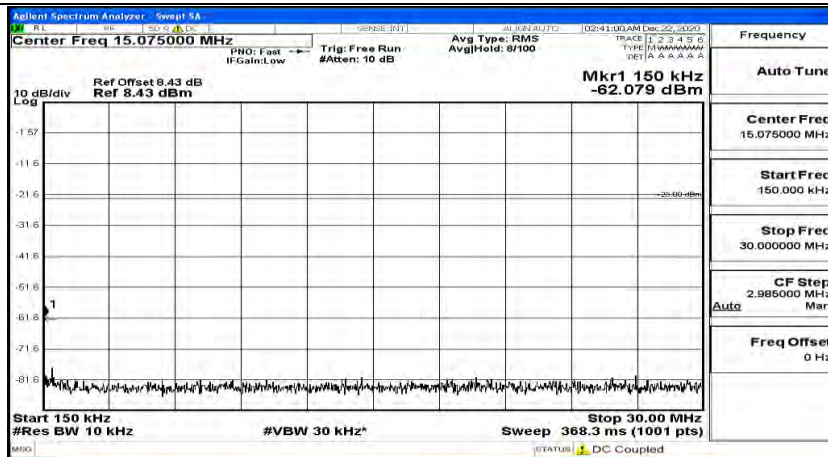
(Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK\_1RB#5



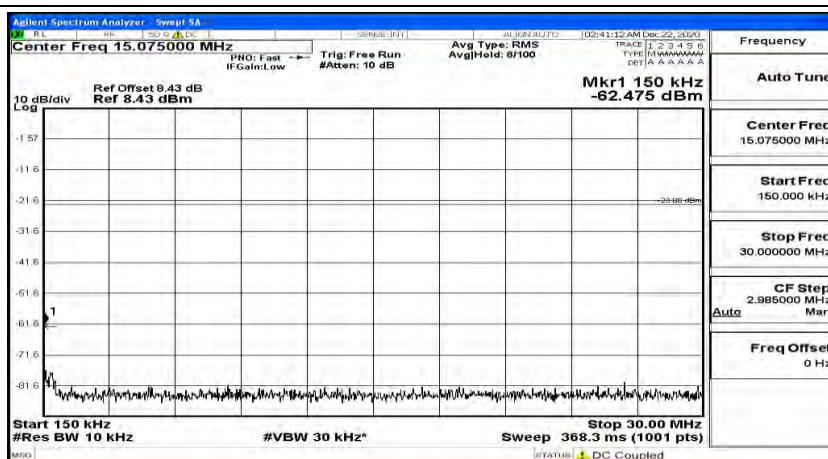
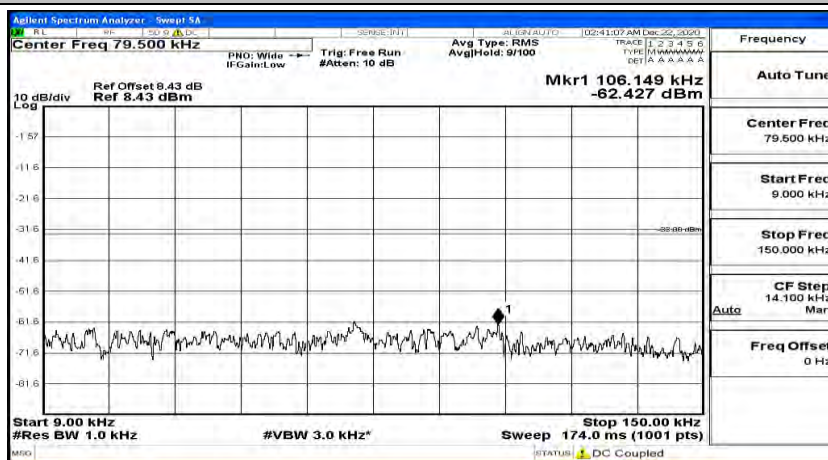


(Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM\_1RB#0





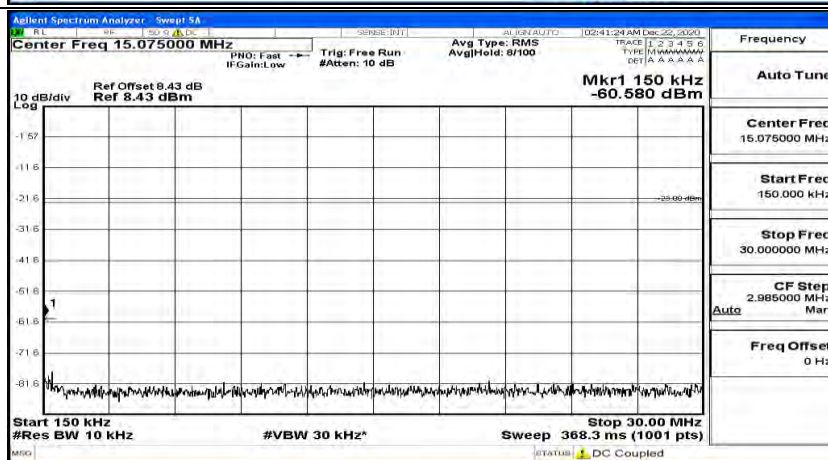
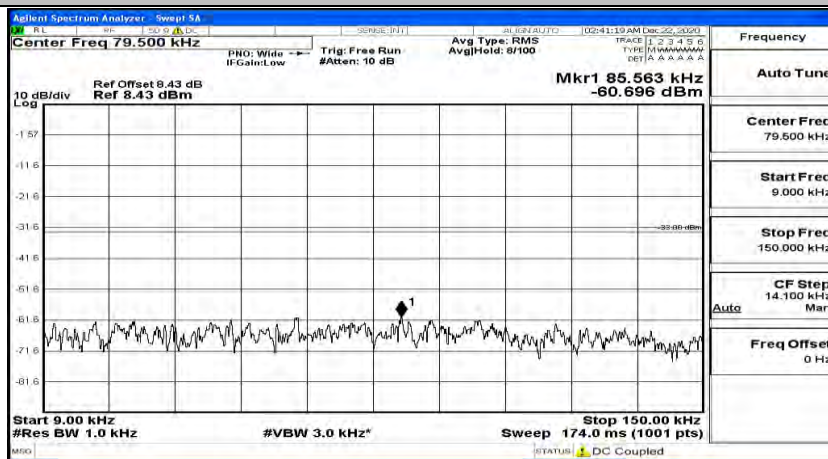
(Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM\_1RB#3



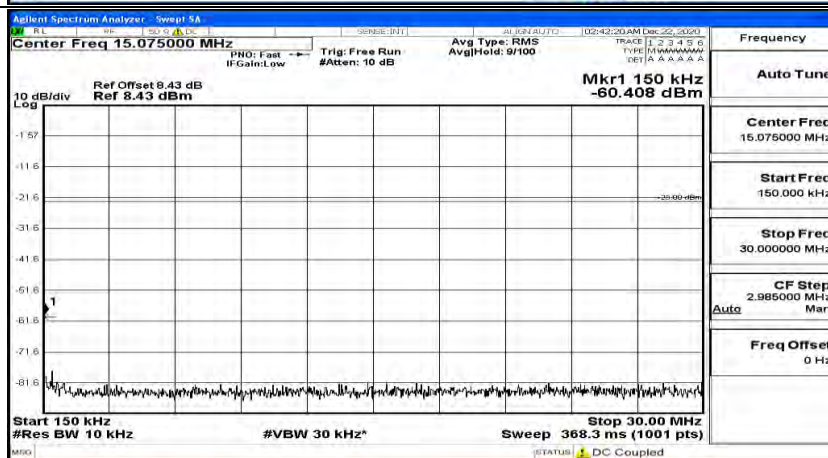
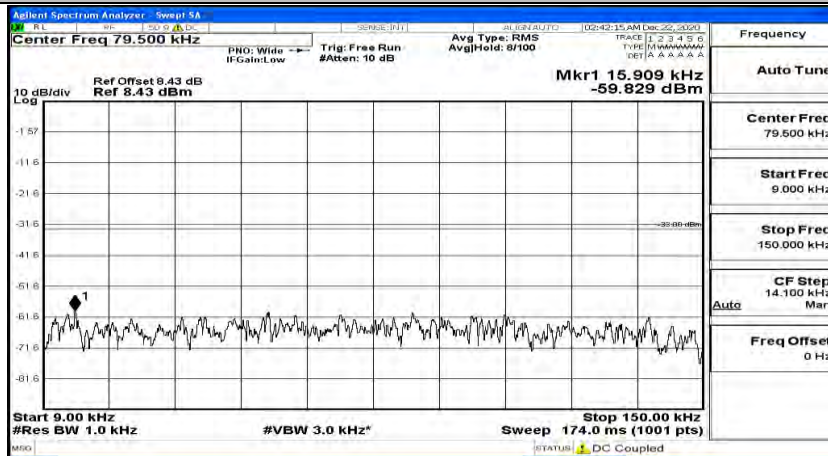




(Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM\_1RB#5

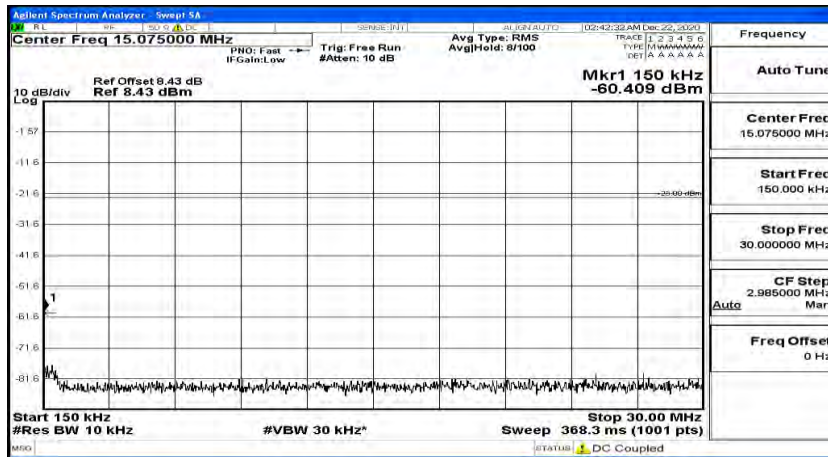
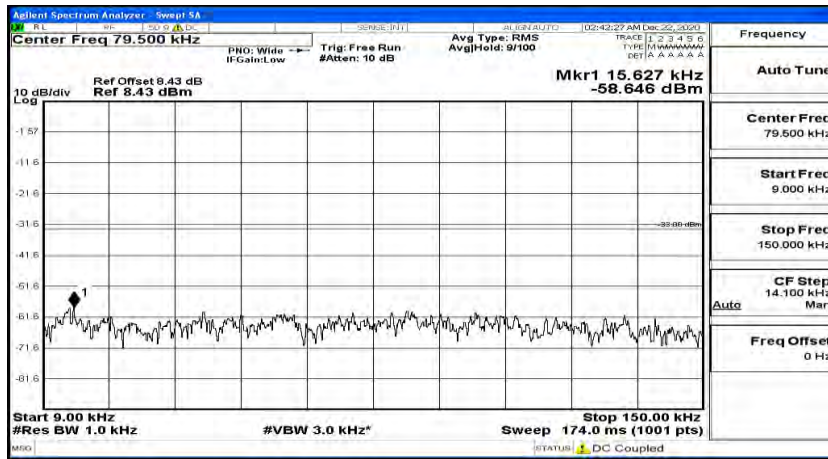


(Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM\_1RB#0

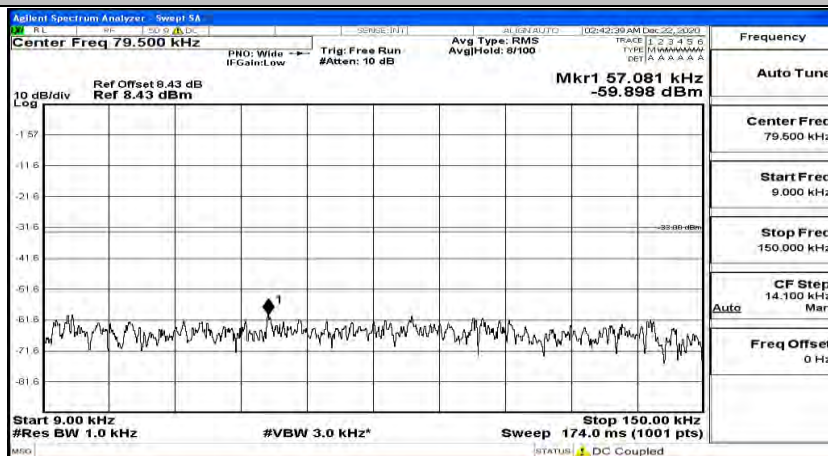


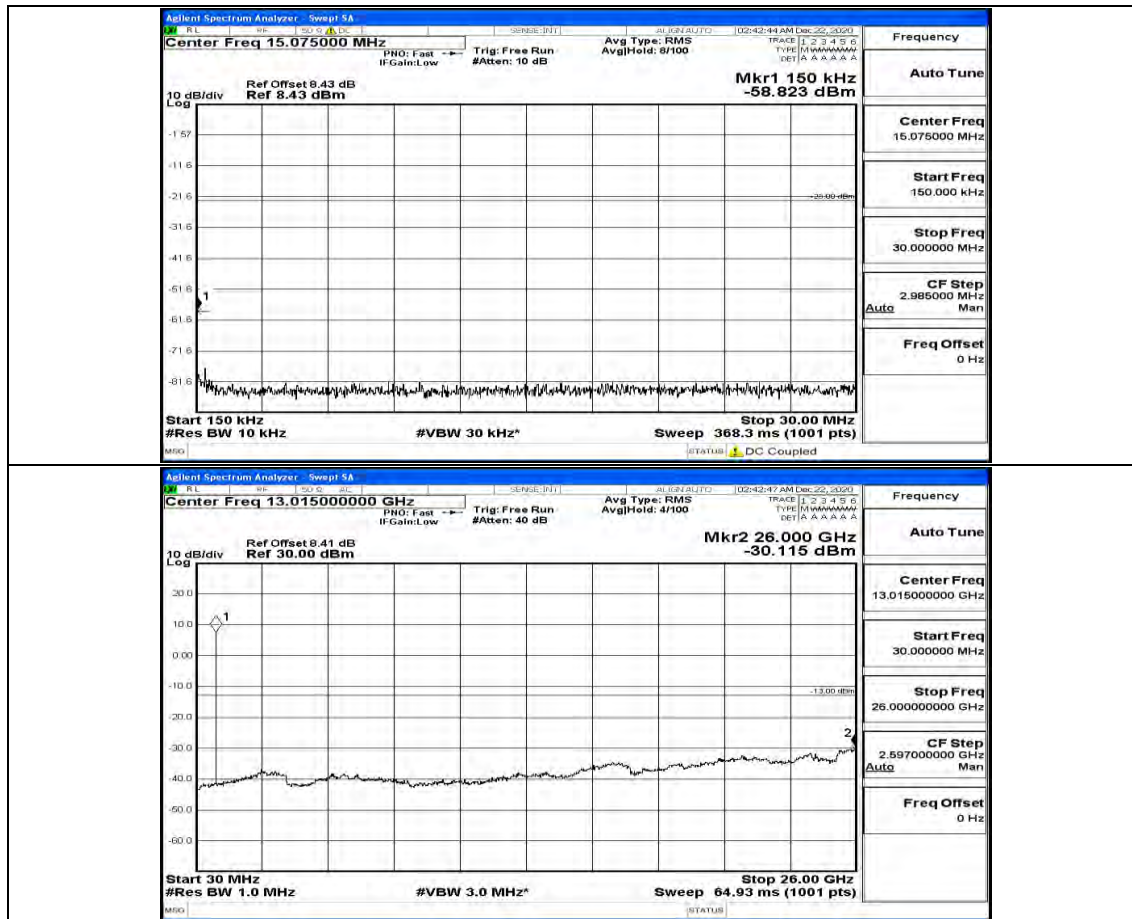
(Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM\_1RB#3



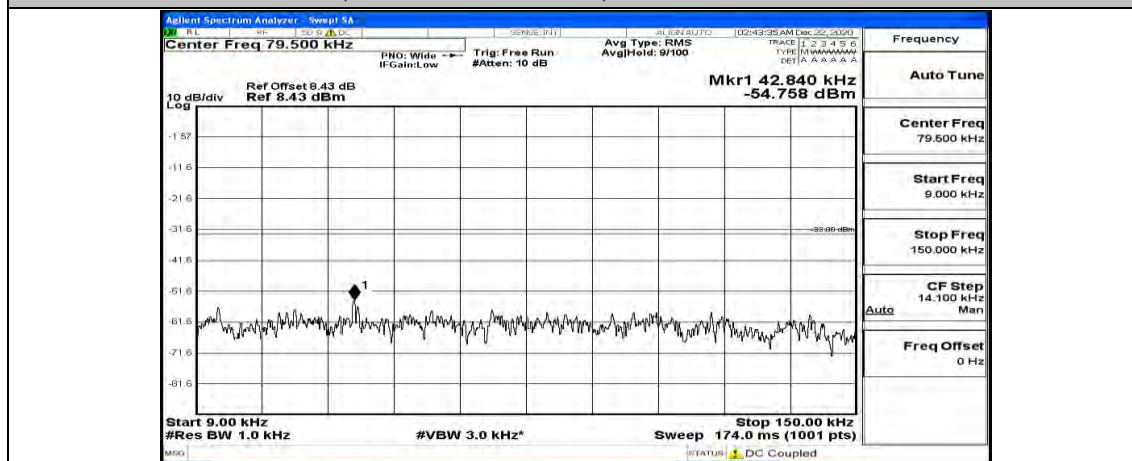


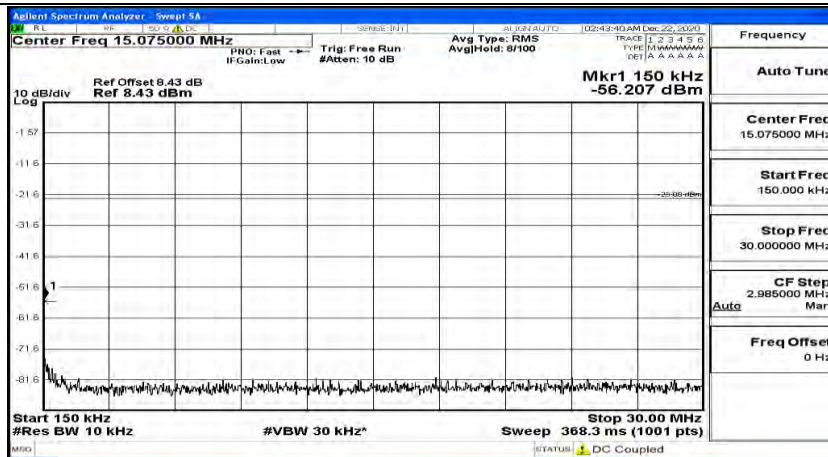
(Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM\_1RB#5



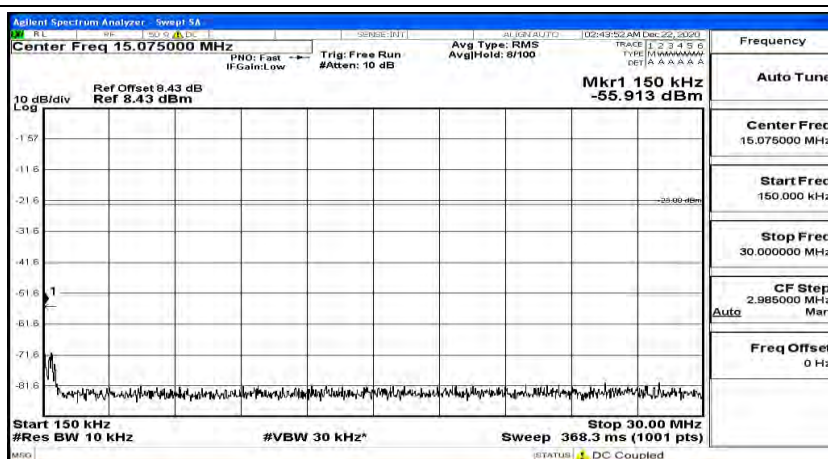
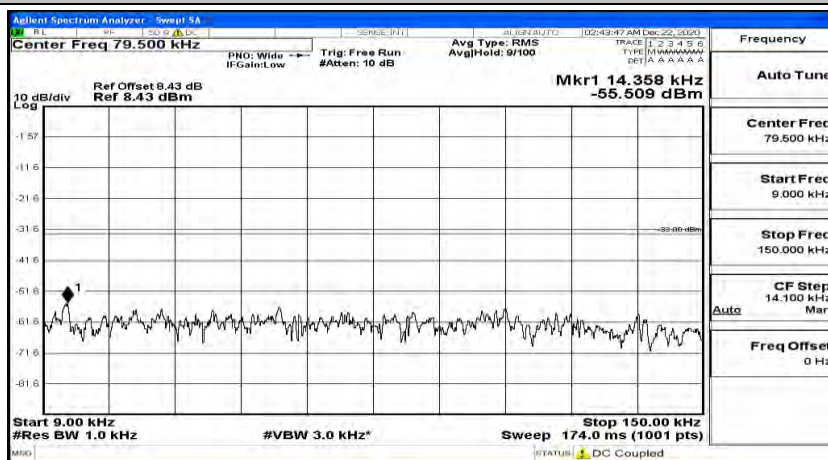


(Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM\_1RB#0





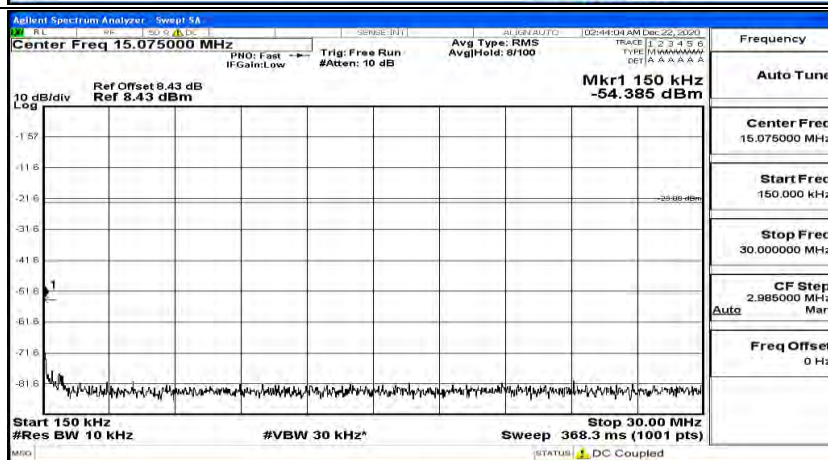
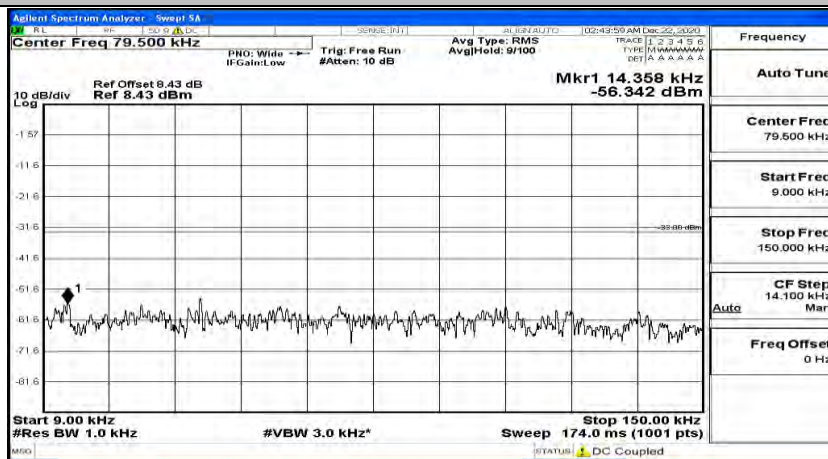
(Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM\_1RB#3





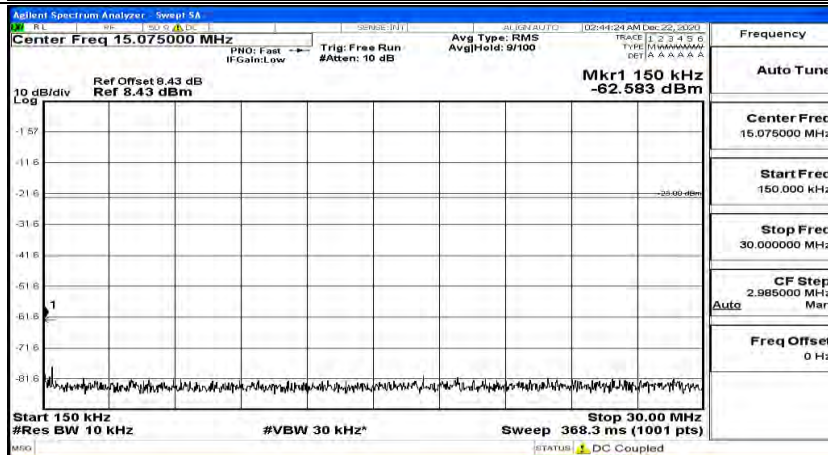
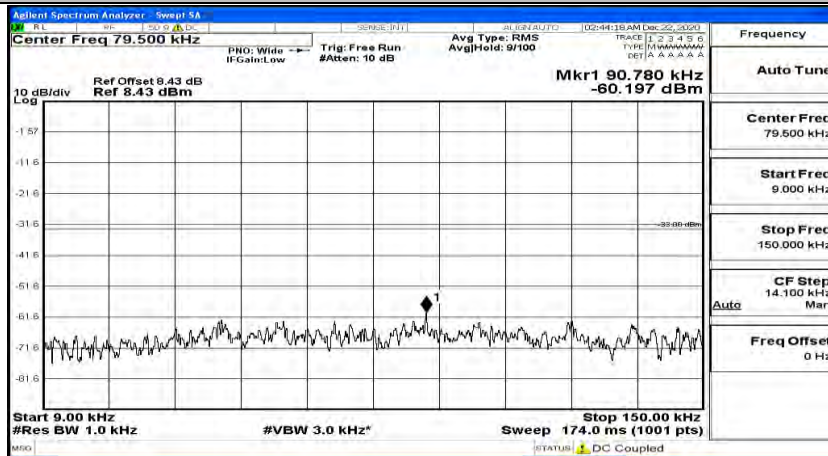


(Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM\_1RB#5

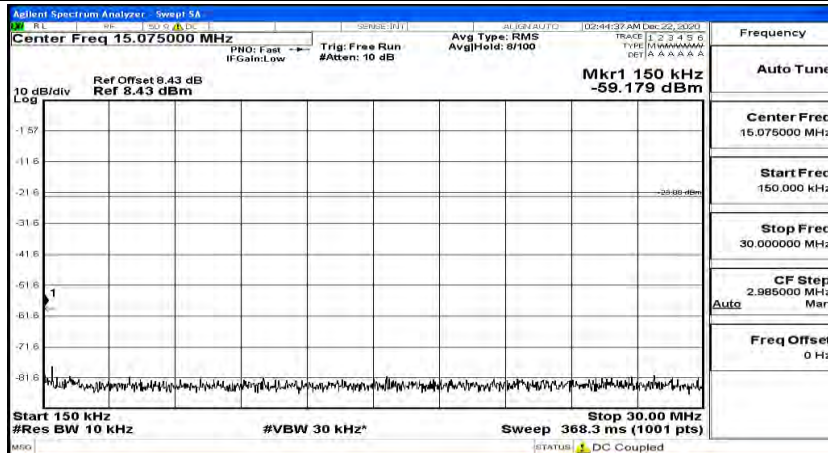
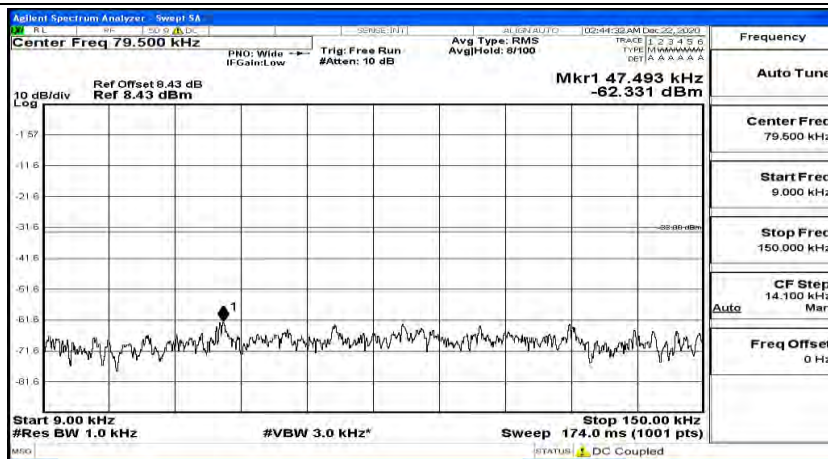


## Channel Bandwidth: 3 MHz

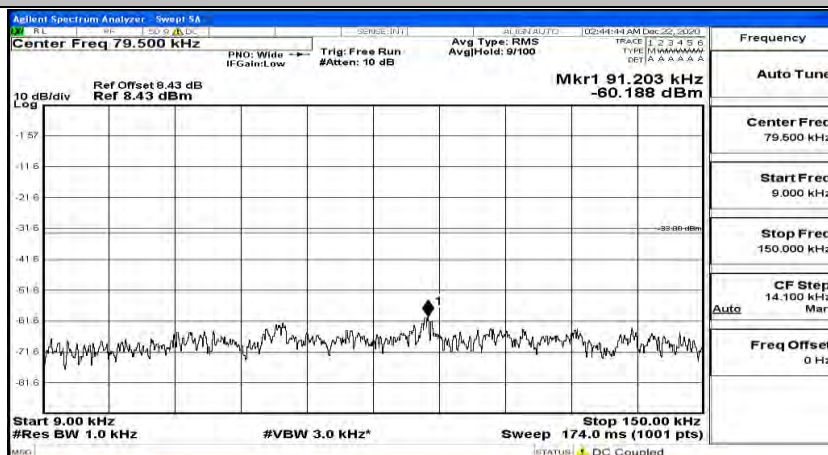
(Channel Bandwidth: 3 MHz)\_LCH\_QPSK\_1RB#0



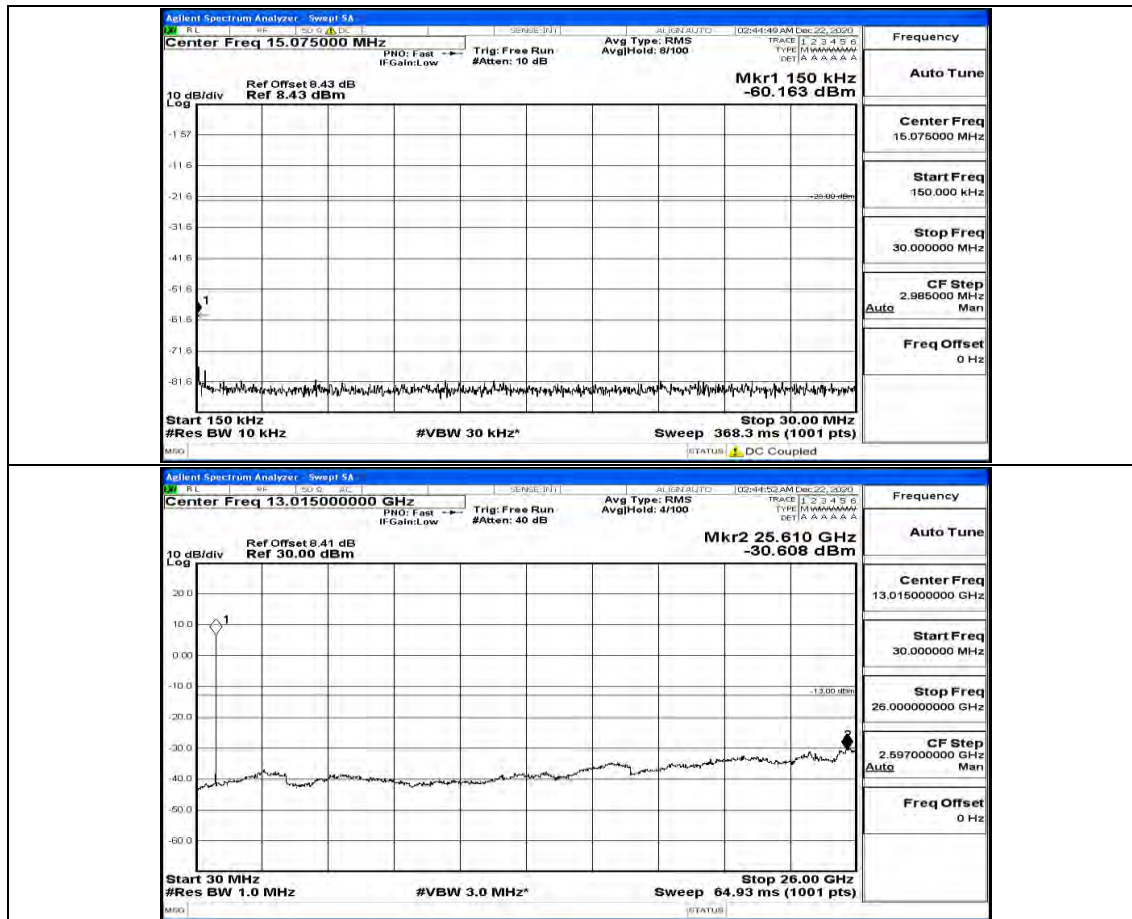
(Channel Bandwidth: 3 MHz)\_LCH\_QPSK\_1RB#7



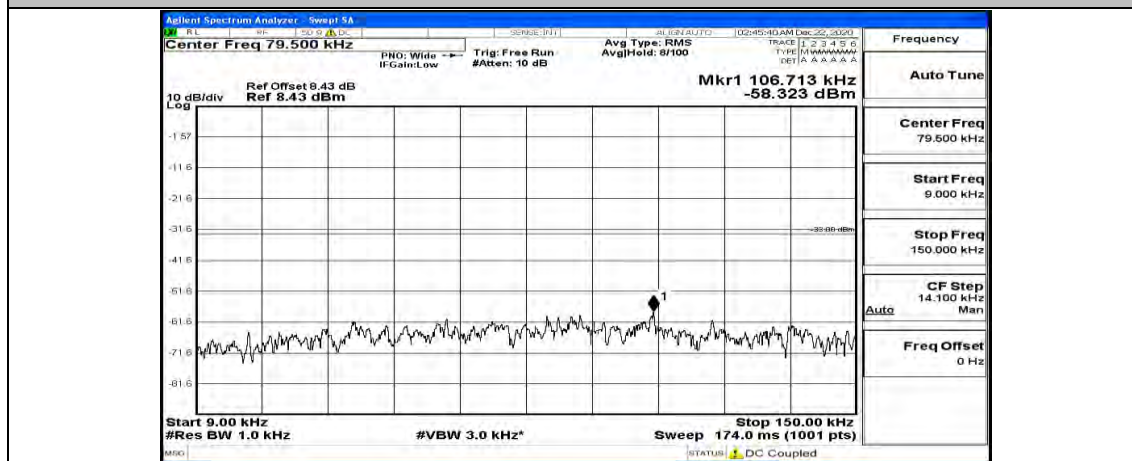
(Channel Bandwidth: 3 MHz)\_LCH\_QPSK\_1RB#14

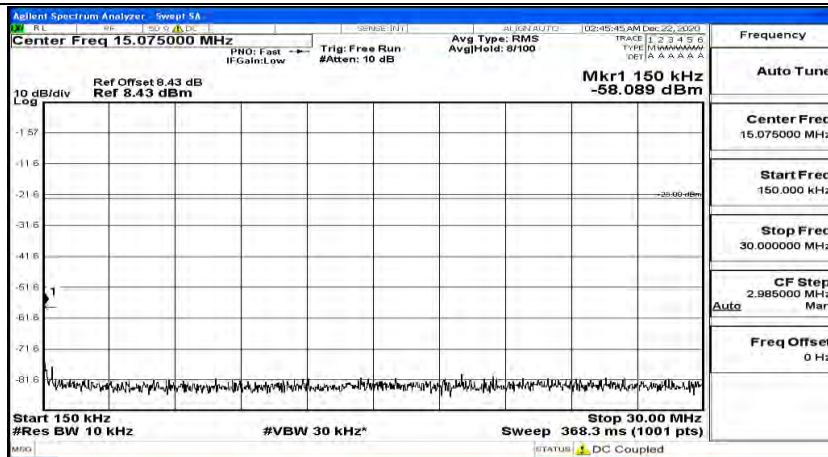




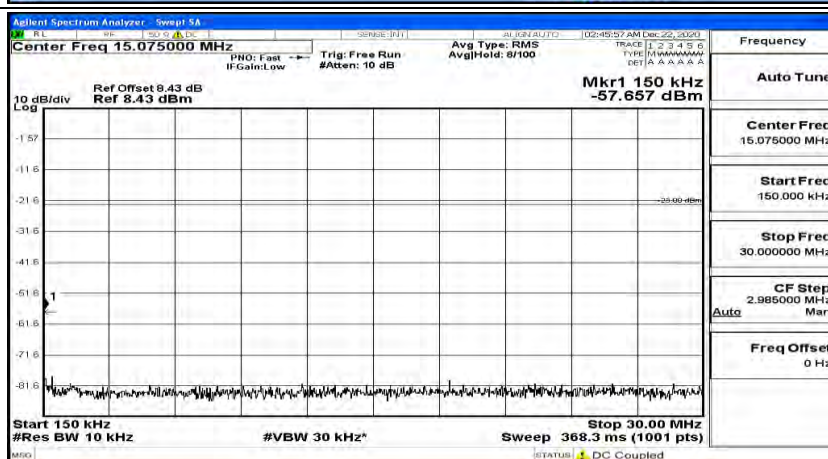
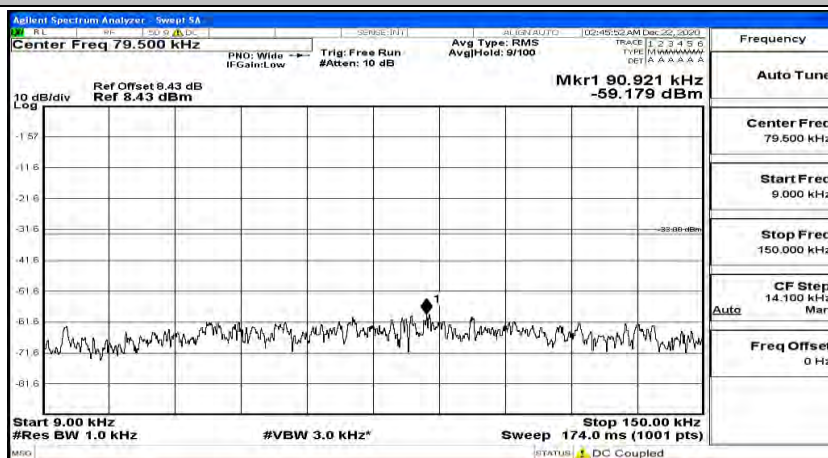


(Channel Bandwidth: 3 MHz)\_MCH\_QPSK\_1RB#0



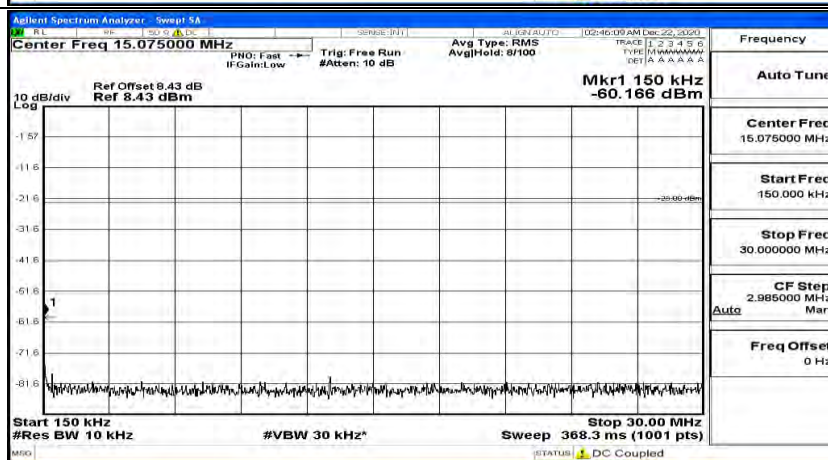
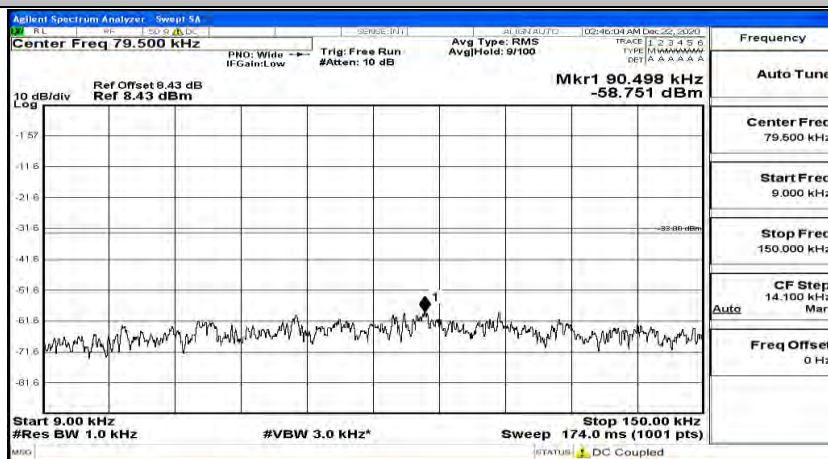


(Channel Bandwidth: 3 MHz)\_MCH\_QPSK\_1RB#7



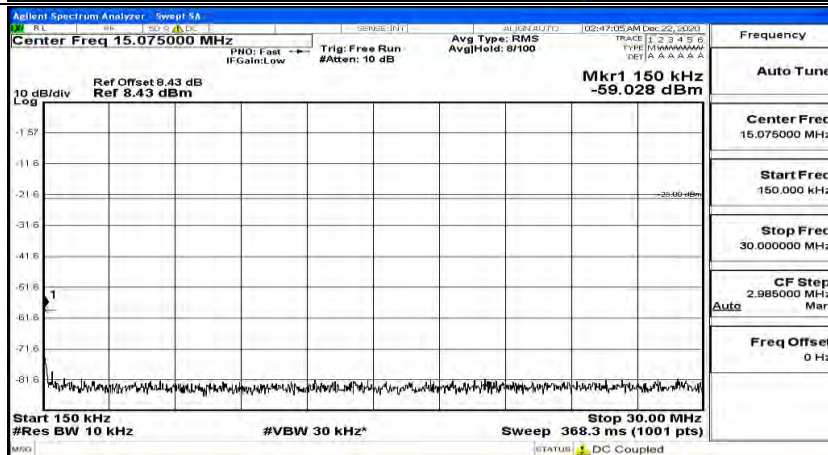
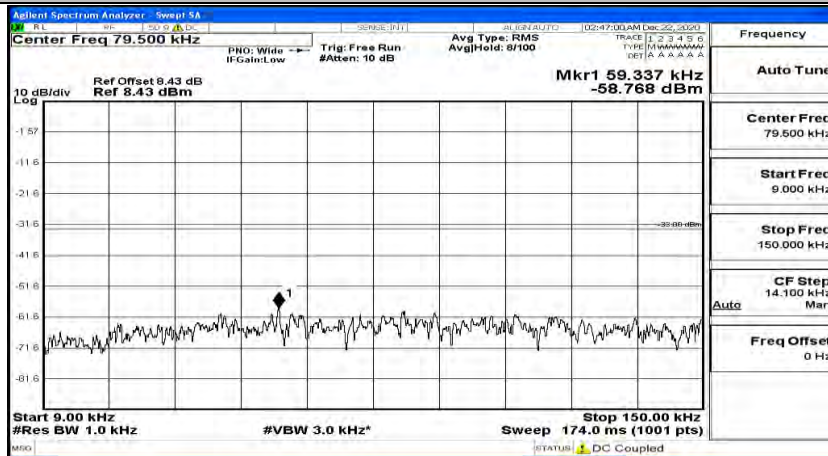


(Channel Bandwidth: 3 MHz)\_MCH\_QPSK\_1RB#14



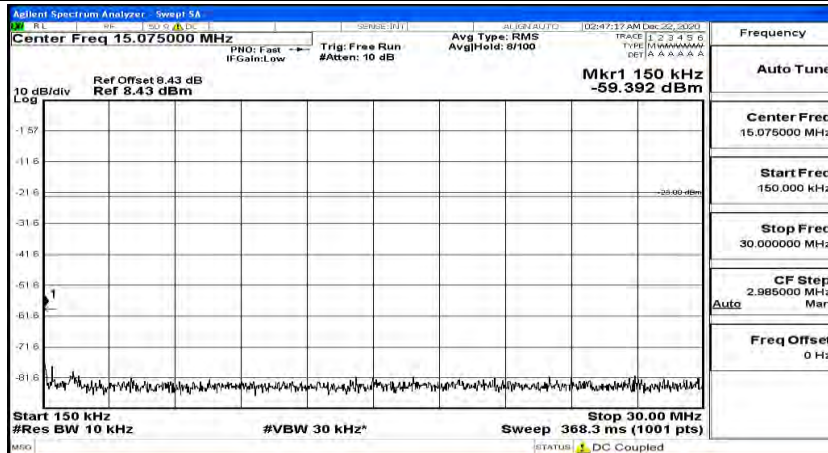
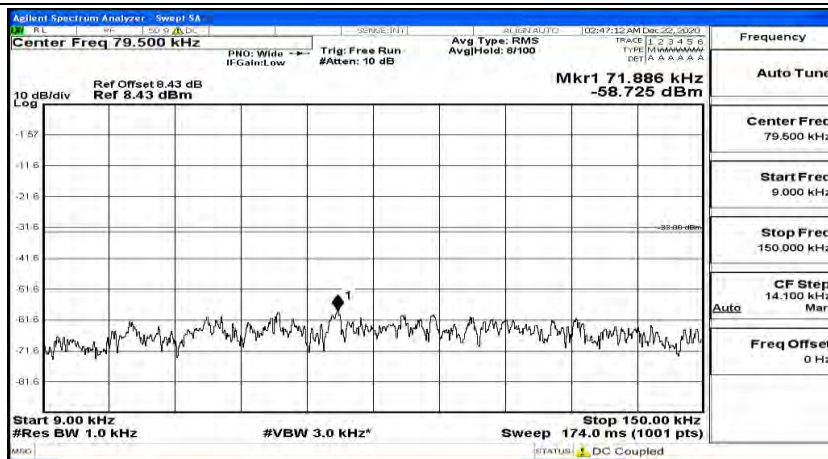


(Channel Bandwidth: 3 MHz)\_HCH\_QPSK\_1RB#0

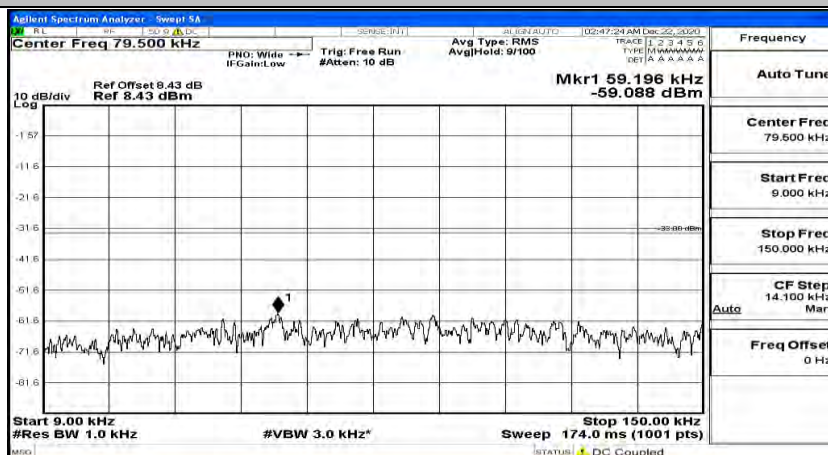


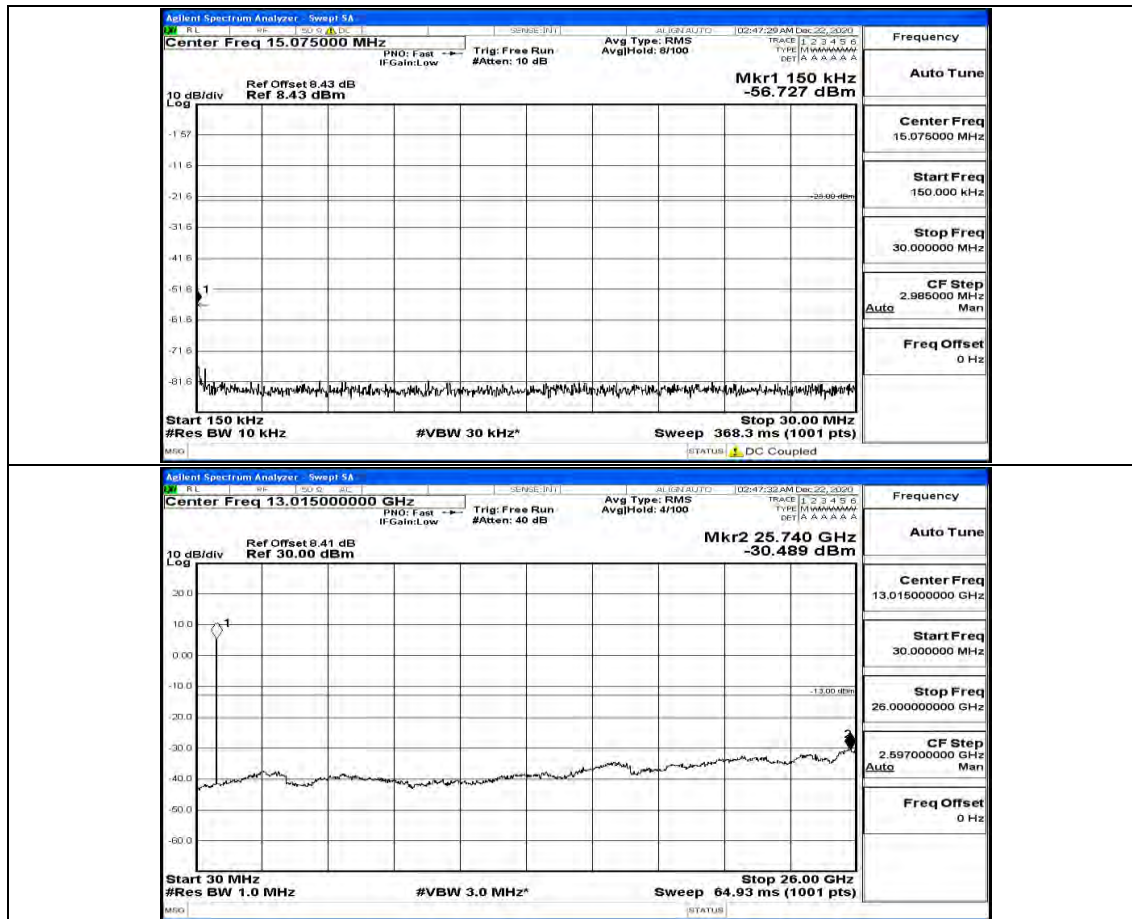
(Channel Bandwidth: 3 MHz)\_HCH\_QPSK\_1RB#7



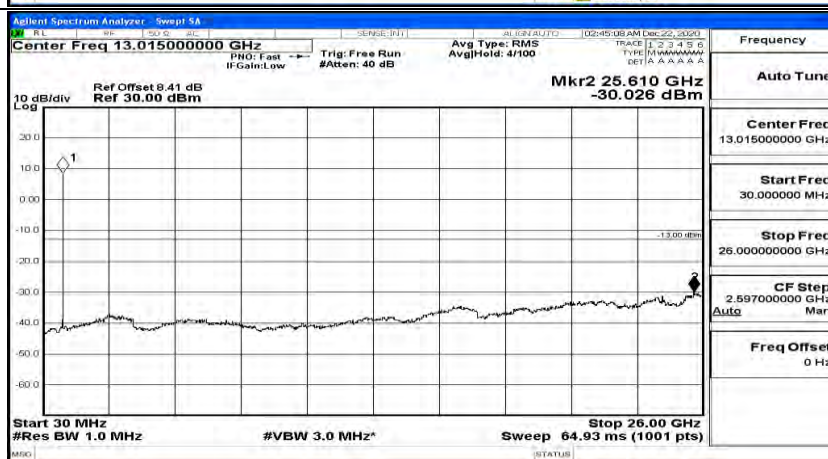
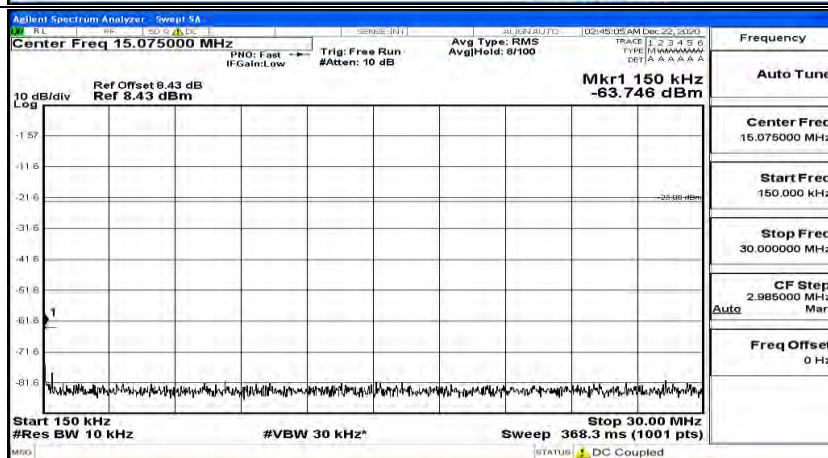
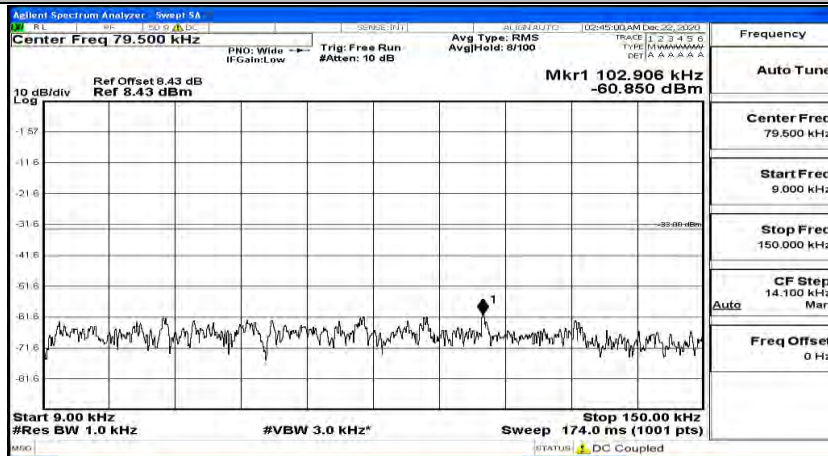


(Channel Bandwidth: 3 MHz)\_HCH\_QPSK\_1RB#14



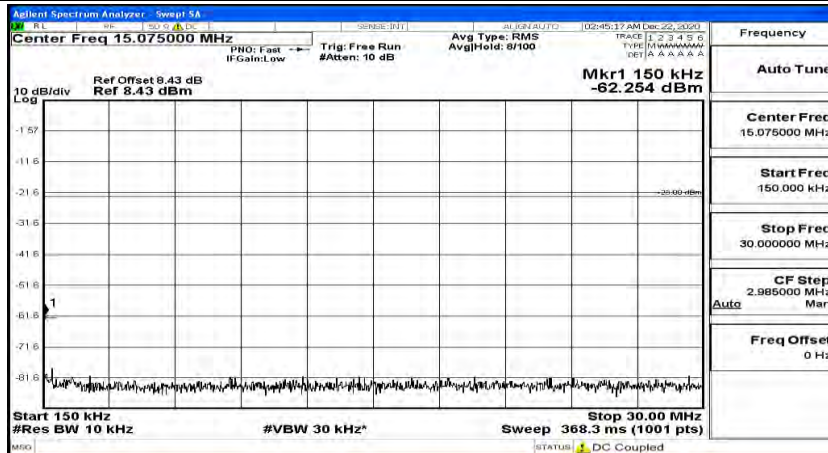
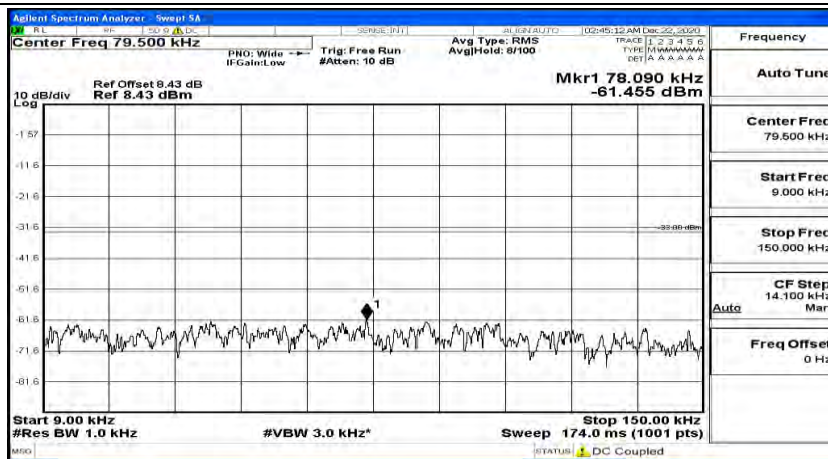


(Channel Bandwidth: 3 MHz)\_LCH\_16QAM\_1RB#0

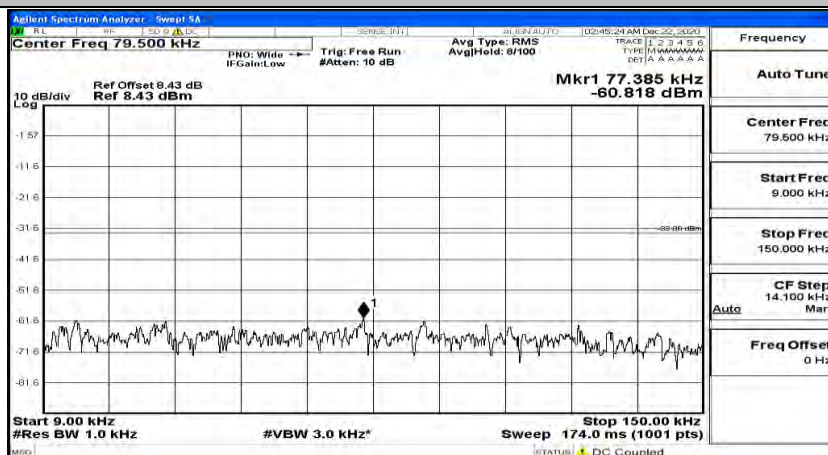


(Channel Bandwidth: 3 MHz)\_LCH\_16QAM\_1RB#7

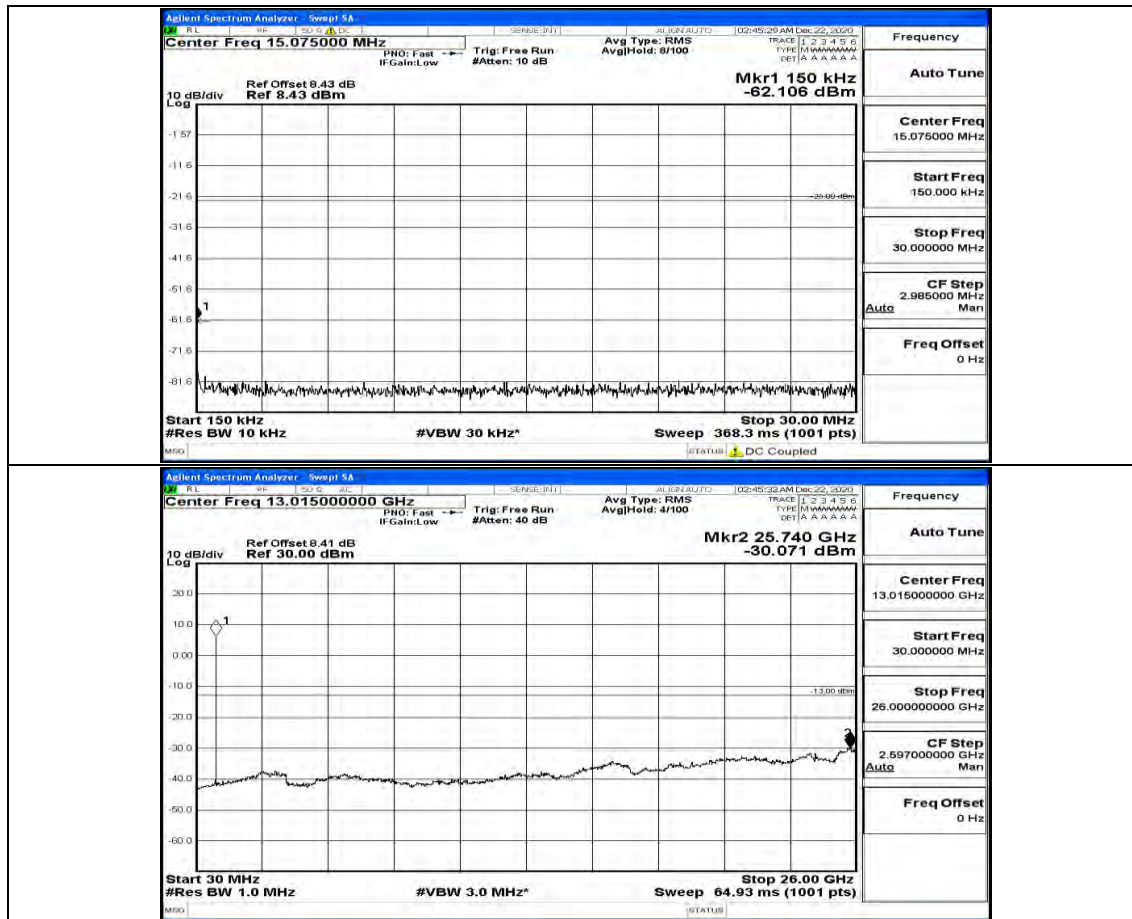




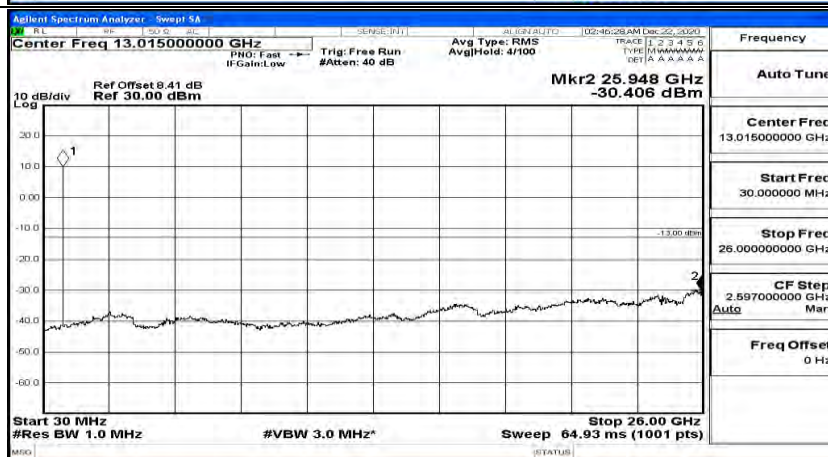
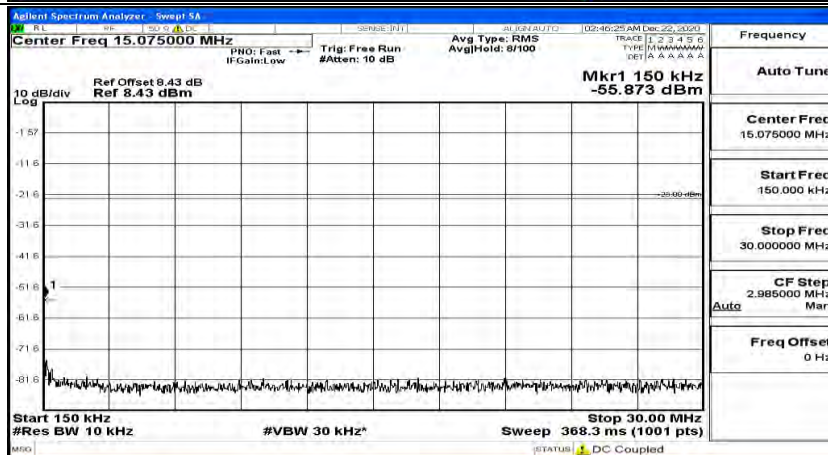
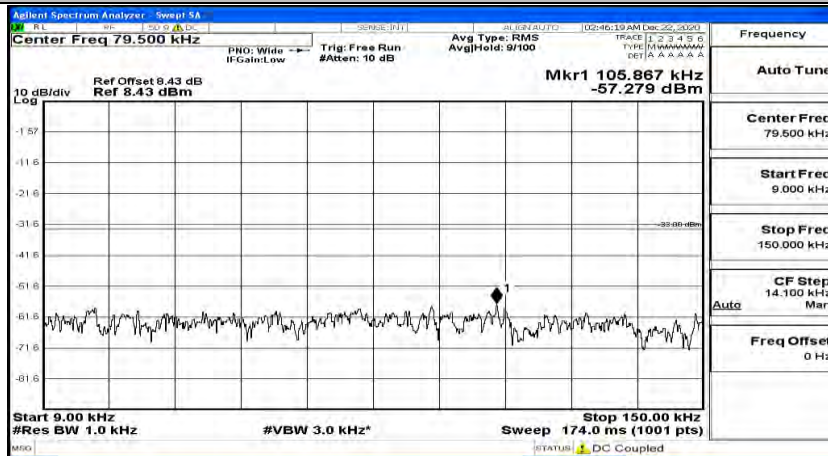
(Channel Bandwidth: 3 MHz) LCH\_16QAM\_1RB#14



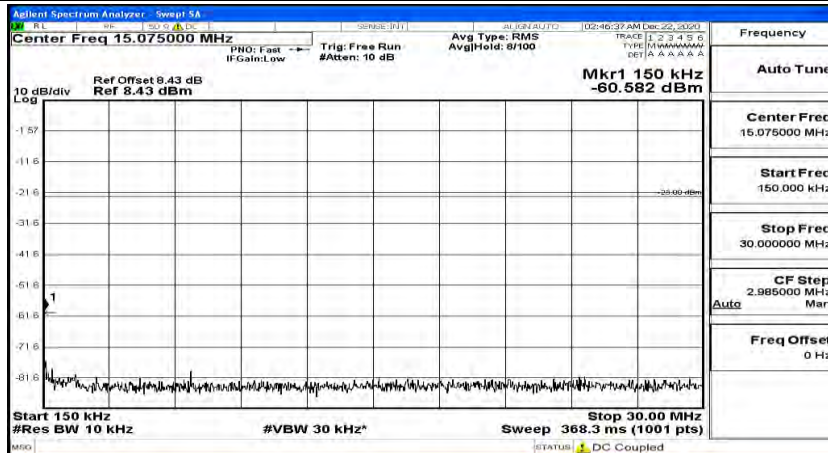
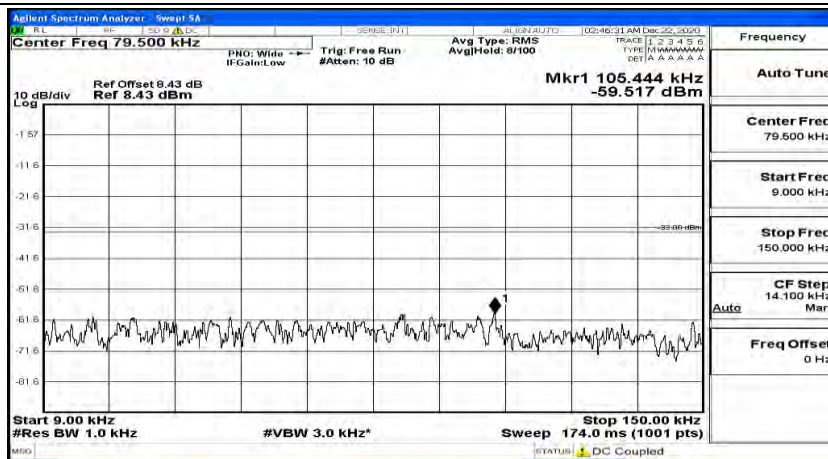




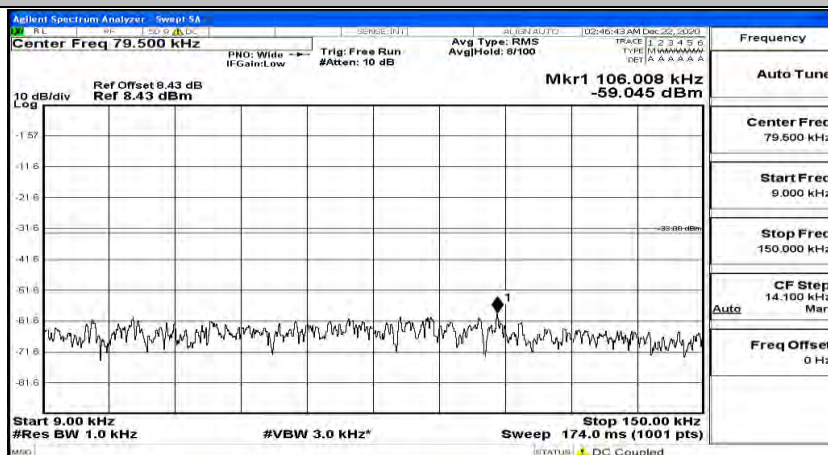
(Channel Bandwidth: 3 MHz)\_MCH\_16QAM\_1RB#0



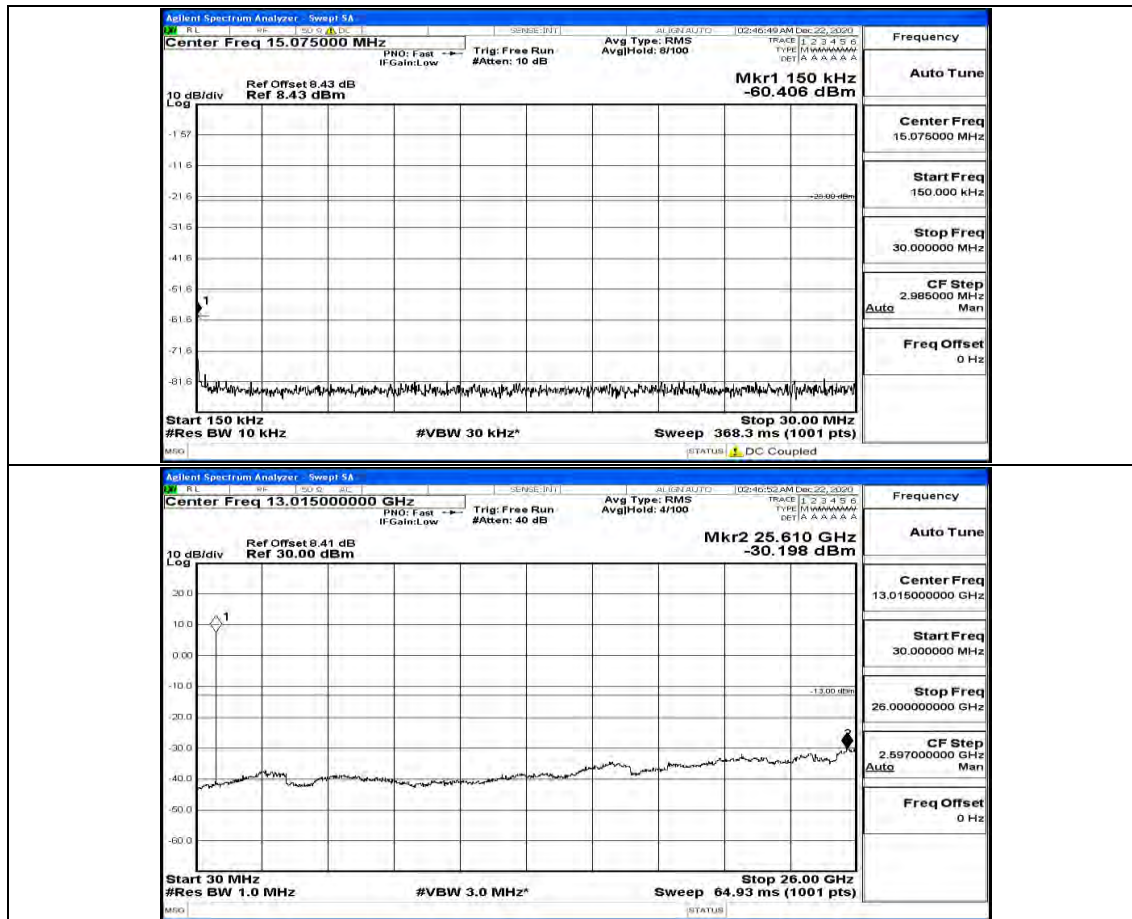
(Channel Bandwidth: 3 MHz)\_MCH\_16QAM\_1RB#7



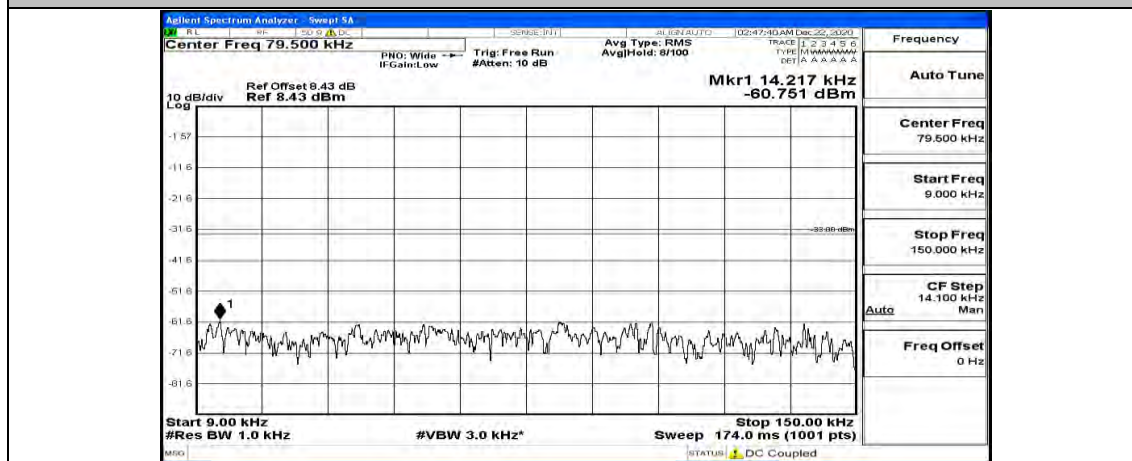
(Channel Bandwidth: 3 MHz)\_MCH\_16QAM\_1RB#14



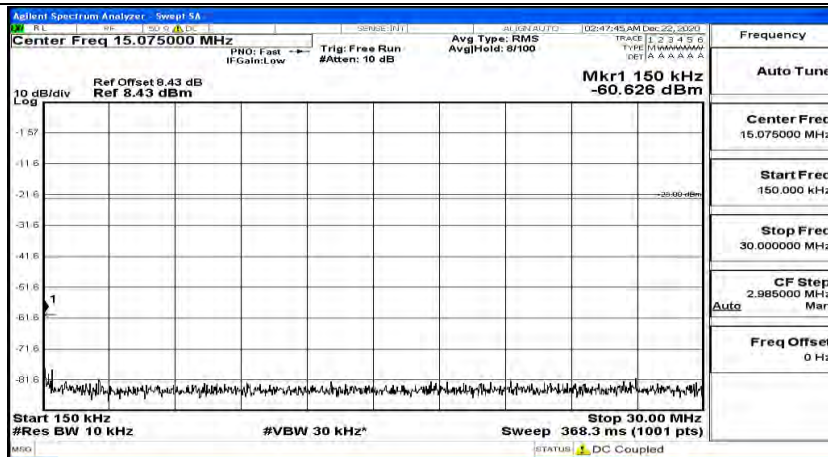




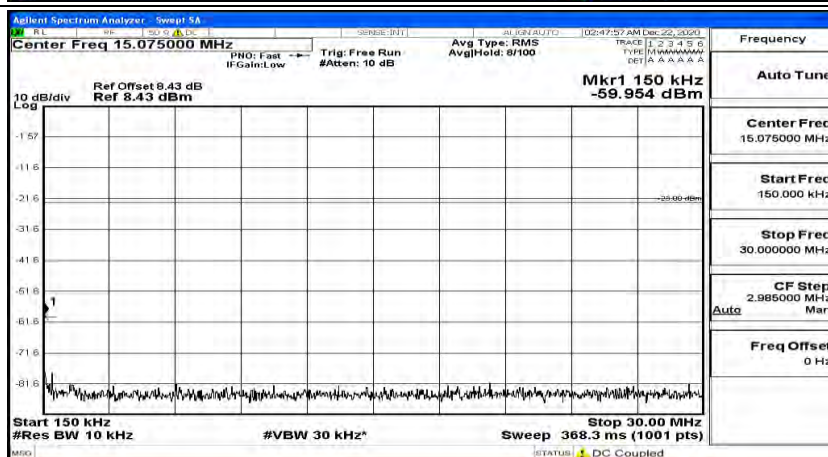
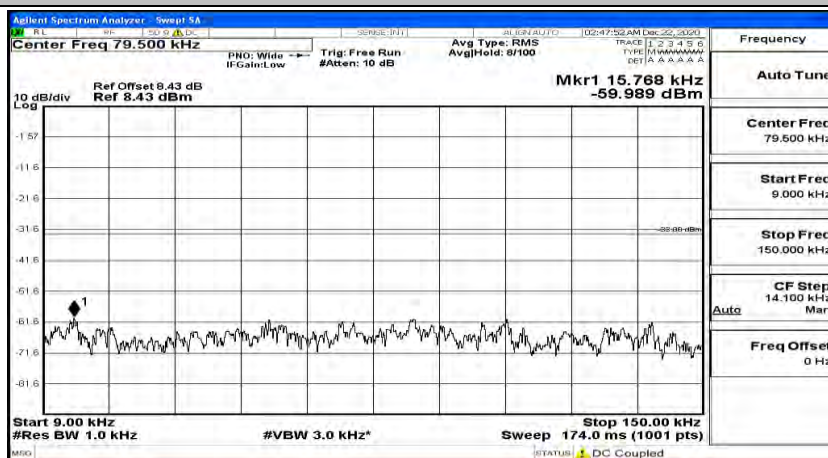
(Channel Bandwidth: 3 MHz)\_HCH\_16QAM\_1RB#0







(Channel Bandwidth: 3 MHz)\_HCH\_16QAM\_1RB#7





(Channel Bandwidth: 3 MHz)\_HCH\_16QAM\_1RB#14

