

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

**Product Name: Tablet PC**

**Trade Mark: Bright Life**

**Test Model: TL11**

### Environmental Conditions

Temperature:	22.8° C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Tom.Liu

### 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	22.80	21.67	PASS
		1	3	22.82	21.77	PASS
		1	5	22.88	21.83	PASS
		3	0	22.66	21.82	PASS
		3	2	22.77	21.88	PASS
		3	3	22.76	21.88	PASS
		6	0	21.91	21.00	PASS
	MCH	1	0	22.86	22.15	PASS
		1	3	22.90	22.13	PASS
		1	5	22.82	22.08	PASS
		3	0	23.04	22.21	PASS
		3	2	23.01	22.22	PASS
		3	3	22.96	22.17	PASS
		6	0	22.11	21.18	PASS
	HCH	1	0	22.02	21.63	PASS
		1	3	22.08	21.74	PASS
		1	5	22.10	21.74	PASS
		3	0	22.00	21.23	PASS
		3	2	22.06	21.20	PASS
		3	3	21.94	21.13	PASS
		6	0	21.28	20.37	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	22.77	21.62	PASS
		1	7	22.94	21.94	PASS
		1	14	22.99	22.02	PASS
		8	0	22.00	20.91	PASS
		8	4	22.06	21.01	PASS
		8	7	22.11	21.05	PASS
		15	0	21.99	20.98	PASS
	MCH	1	0	23.00	21.22	PASS
		1	7	22.62	21.19	PASS
		1	14	21.97	20.92	PASS
		8	0	21.22	20.19	PASS
		8	4	21.16	20.13	PASS
		8	7	21.12	20.09	PASS
		15	0	21.15	20.17	PASS
	HCH	1	0	21.39	20.98	PASS
		1	7	21.69	21.10	PASS
		1	14	21.17	20.60	PASS
		8	0	20.61	20.14	PASS
		8	4	20.66	20.09	PASS
		8	7	20.66	20.22	PASS
		15	0	20.72	20.01	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	22.56	21.57	PASS
		1	12	22.61	21.80	PASS
		1	24	22.35	21.76	PASS
		12	0	21.59	20.45	PASS
		12	6	21.88	20.94	PASS
		12	13	21.31	20.95	PASS
		25	0	21.60	20.72	PASS
	MCH	1	0	22.15	21.33	PASS
		1	12	22.04	21.21	PASS
		1	24	21.69	20.84	PASS
		12	0	21.16	20.04	PASS
		12	6	21.09	19.98	PASS
		12	13	20.98	19.86	PASS
		25	0	21.07	20.08	PASS
	HCH	1	0	21.31	20.61	PASS
		1	12	21.29	20.65	PASS
		1	24	21.18	20.54	PASS
		12	0	20.46	19.47	PASS
		12	6	20.35	19.46	PASS
		12	13	20.15	19.39	PASS
		25	0	20.35	19.49	PASS

## Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)

Modulation	Channel	RB Configuration		Average Power [dBm]		Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	22.32	20.89	PASS
		1	24	22.32	21.44	PASS
		1	49	22.43	21.53	PASS
		25	0	21.39	20.42	PASS
		25	12	21.32	20.36	PASS
		25	25	21.37	20.39	PASS
		50	0	21.38	20.40	PASS
	MCH	1	0	22.49	21.60	PASS
		1	24	22.14	21.21	PASS
		1	49	21.68	20.67	PASS
		25	0	21.25	20.26	PASS
		25	12	21.11	20.12	PASS
		25	25	21.03	20.03	PASS
		50	0	21.13	20.14	PASS
	HCH	1	0	21.92	21.06	PASS
		1	24	21.40	20.56	PASS
		1	49	21.32	20.55	PASS
		25	0	20.55	19.55	PASS
		25	12	20.45	19.50	PASS
		25	25	20.05	19.11	PASS
		50	0	20.34	19.29	PASS

## F.2 Peak-to-Average Ratio

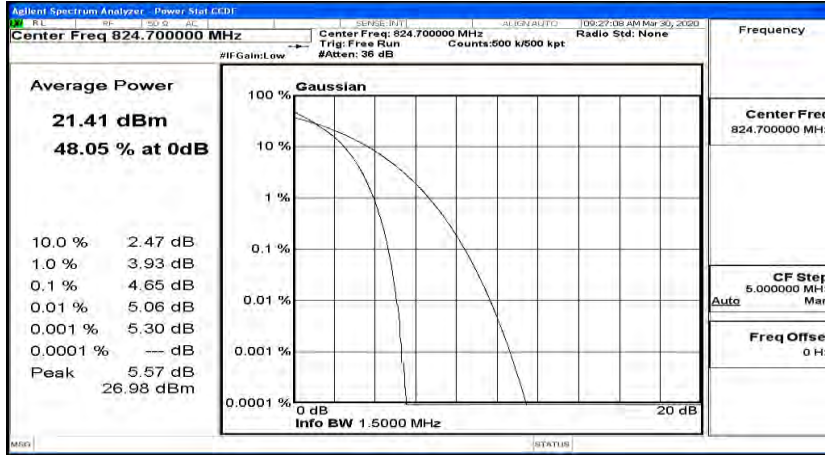
Peak-to Average Ratio Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.65	<13	PASS
	MCH	5.27	<13	PASS
	HCH	5.63	<13	PASS
16QAM	LCH	5.43	<13	PASS
	MCH	6.14	<13	PASS
	HCH	6.41	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.07	<13	PASS
	MCH	5.3	<13	PASS
	HCH	5.54	<13	PASS
16QAM	LCH	5.99	<13	PASS
	MCH	6.25	<13	PASS
	HCH	6.3	<13	PASS

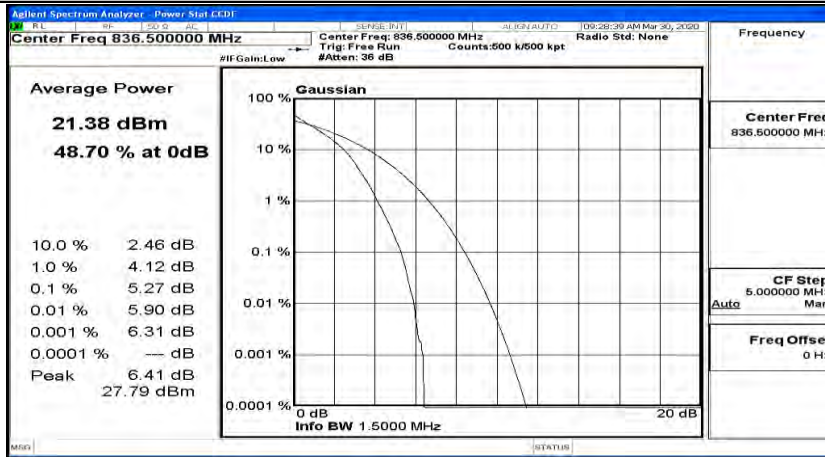
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.23	<13	PASS
	MCH	5.32	<13	PASS
	HCH	5.43	<13	PASS
16QAM	LCH	5.98	<13	PASS
	MCH	6.1	<13	PASS
	HCH	6.22	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.46	<13	PASS
	MCH	5.39	<13	PASS
	HCH	5.16	<13	PASS
16QAM	LCH	6.26	<13	PASS
	MCH	6.16	<13	PASS
	HCH	6	<13	PASS

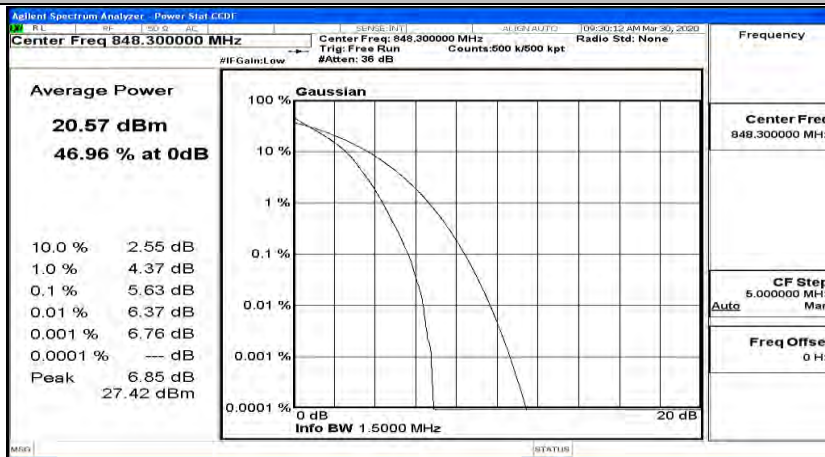
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK



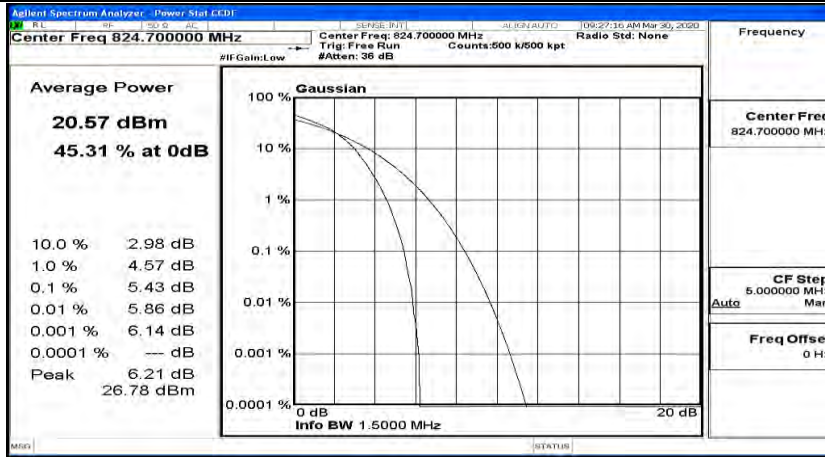
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK



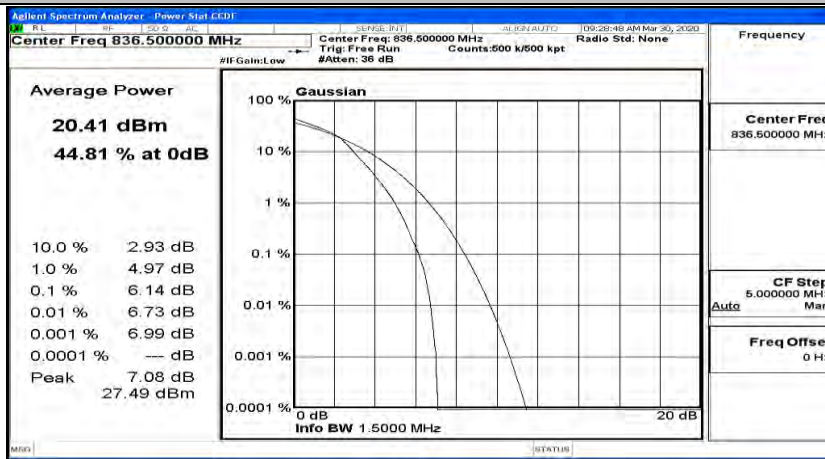
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK



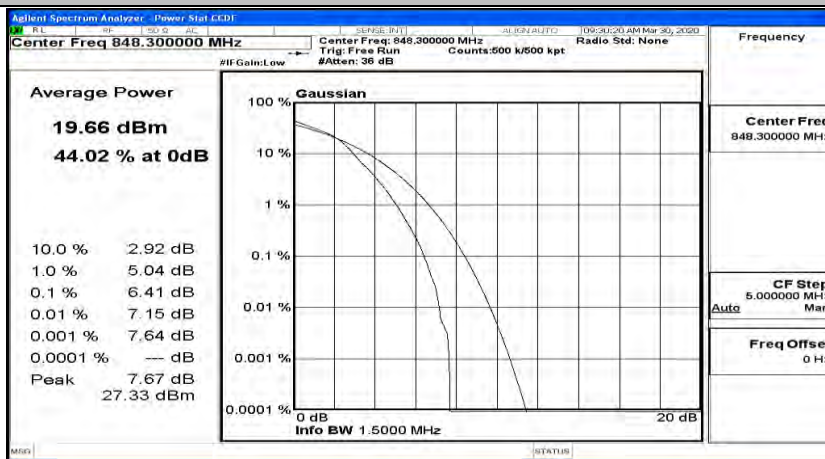
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM



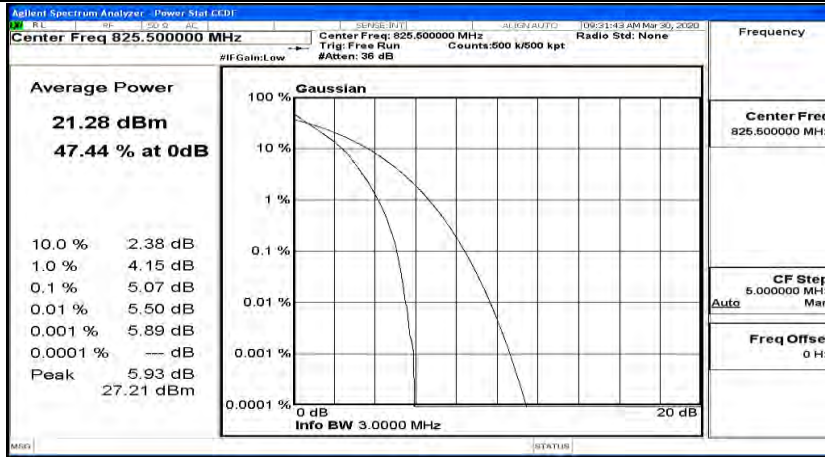
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM



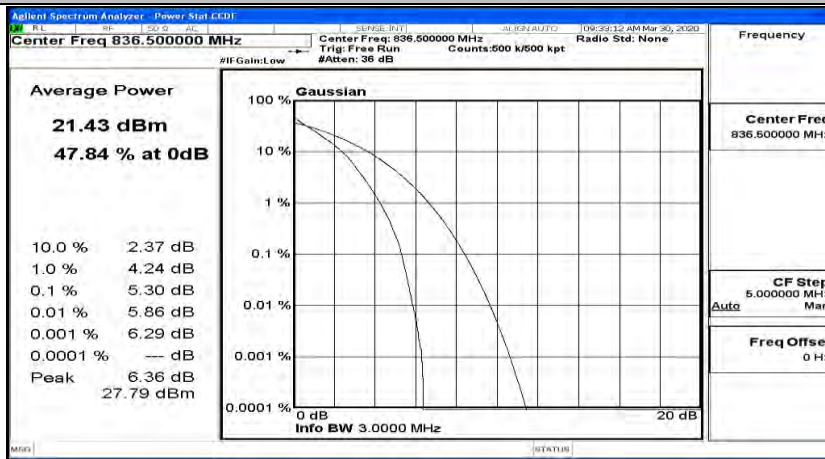
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM



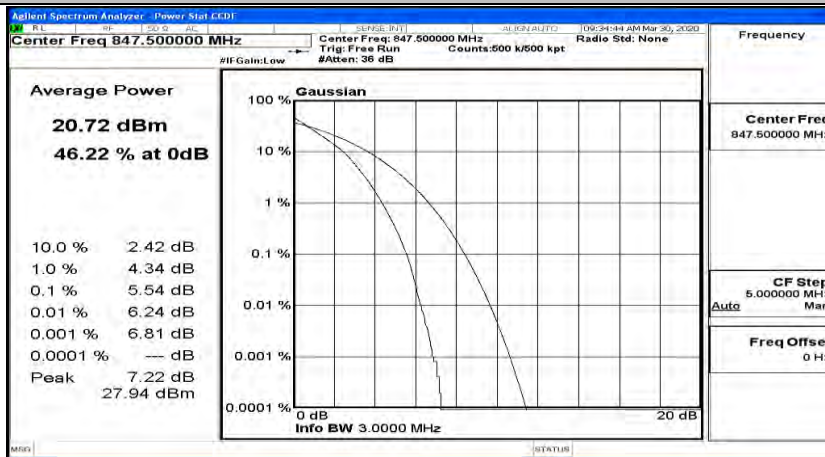
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_QPSK



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

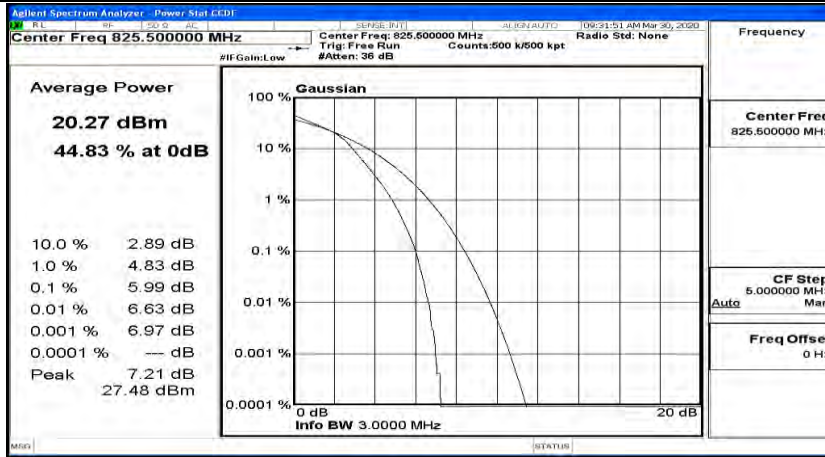


Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_QPSK

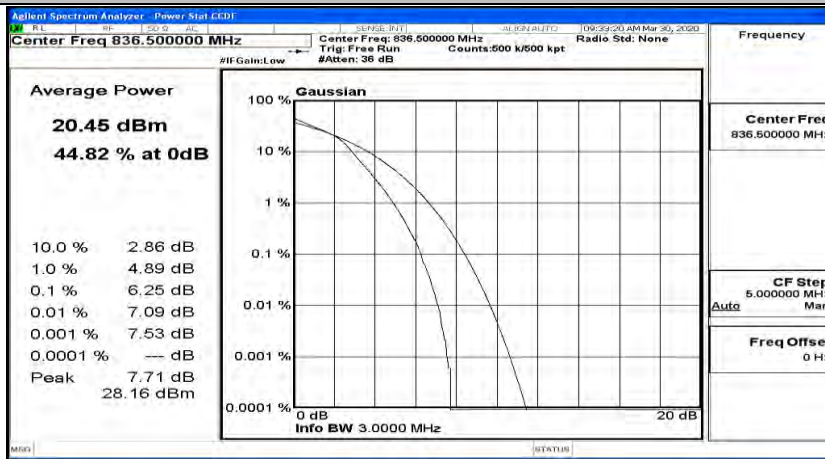




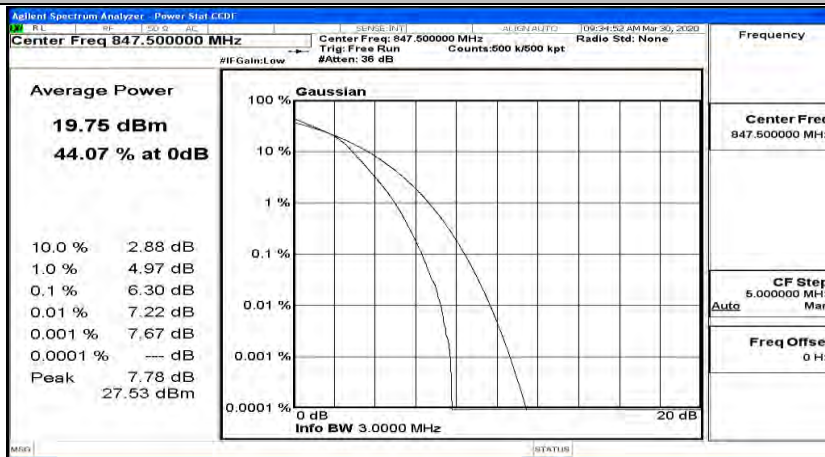
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_16QAM



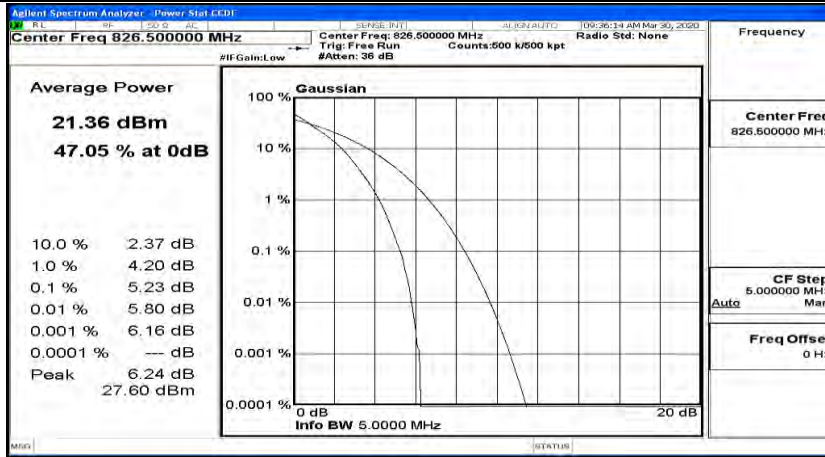
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_MCH\_16QAM



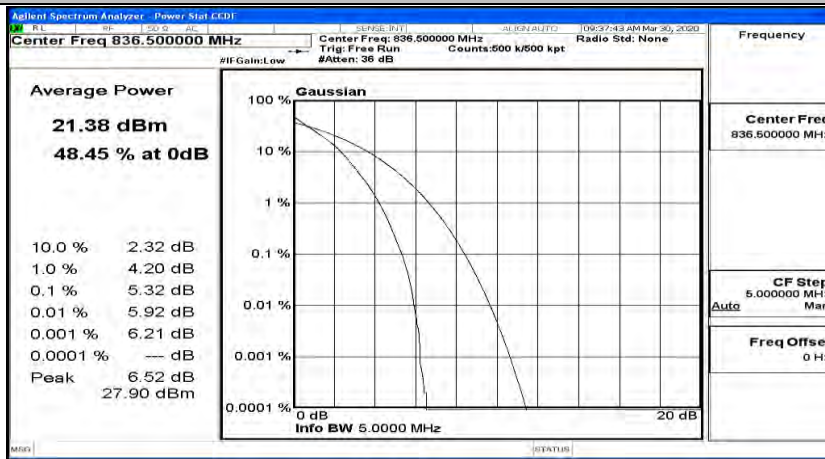
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_16QAM



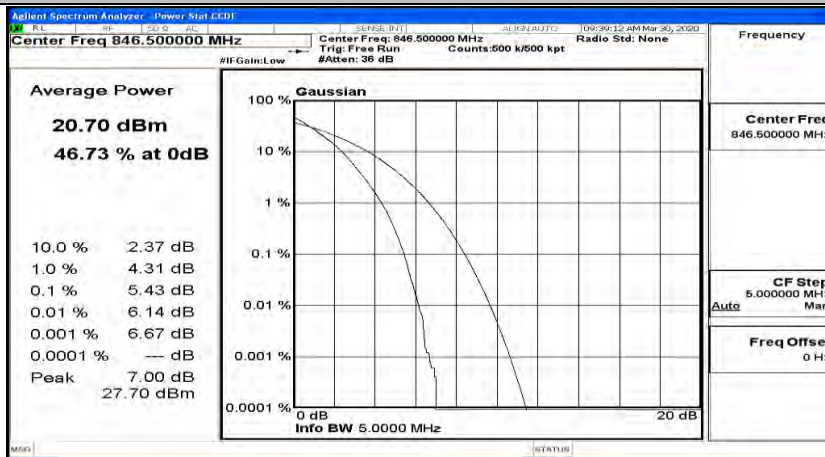
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_QPSK



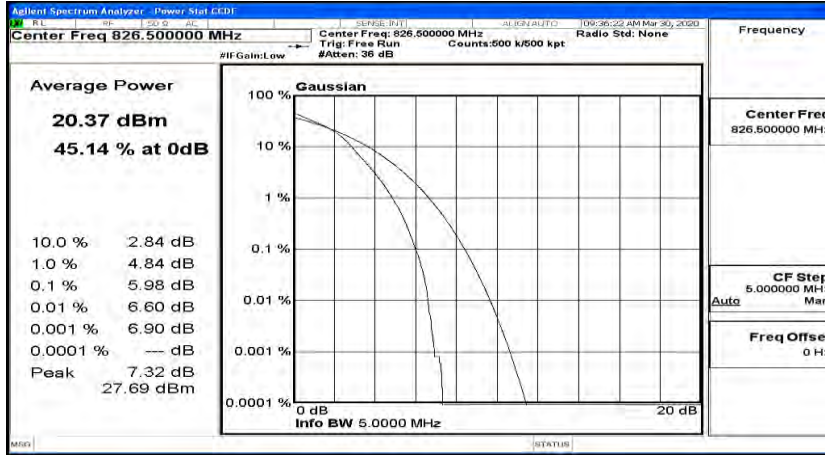
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_QPSK



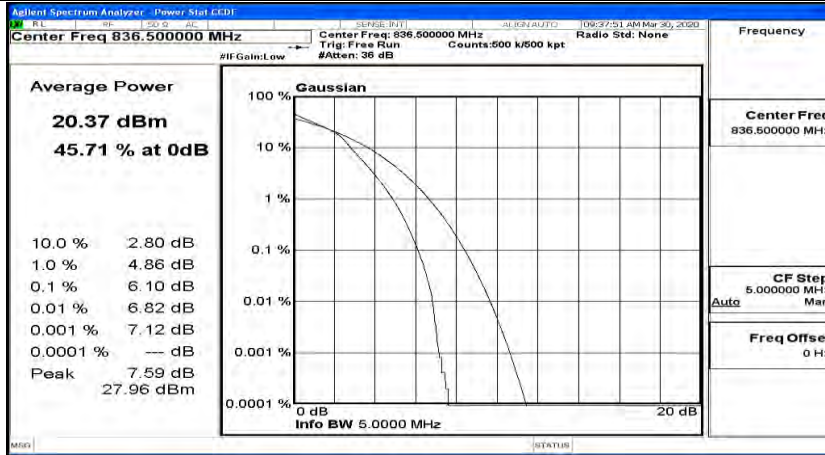
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_QPSK



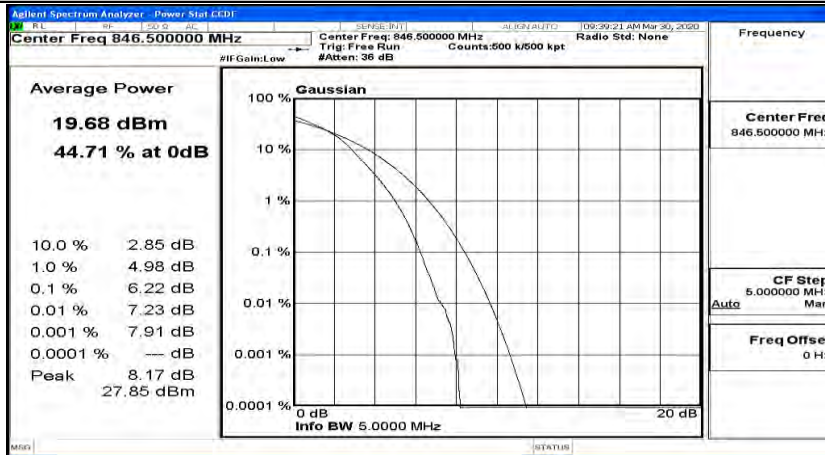
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_16QAM



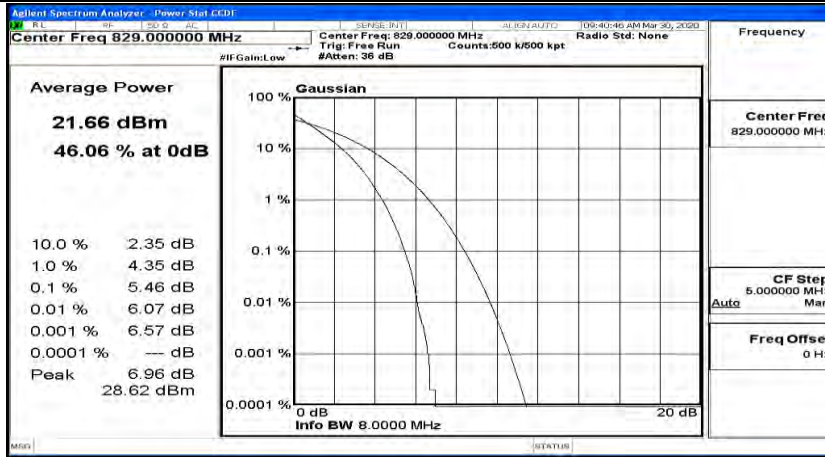
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_16QAM



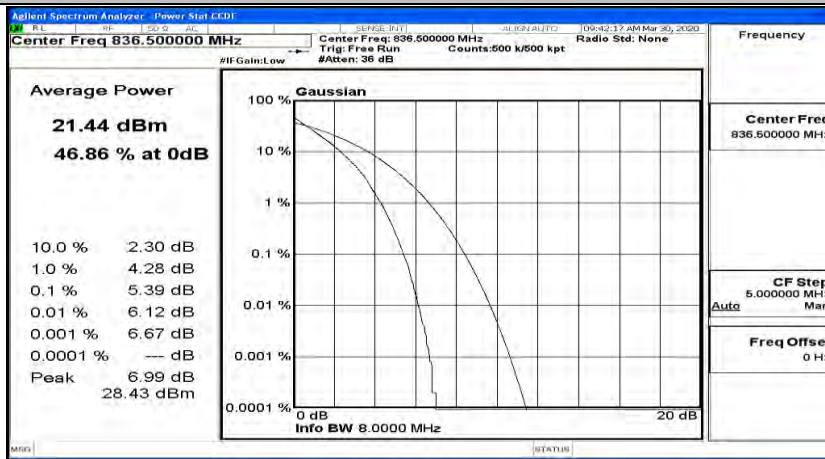
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM



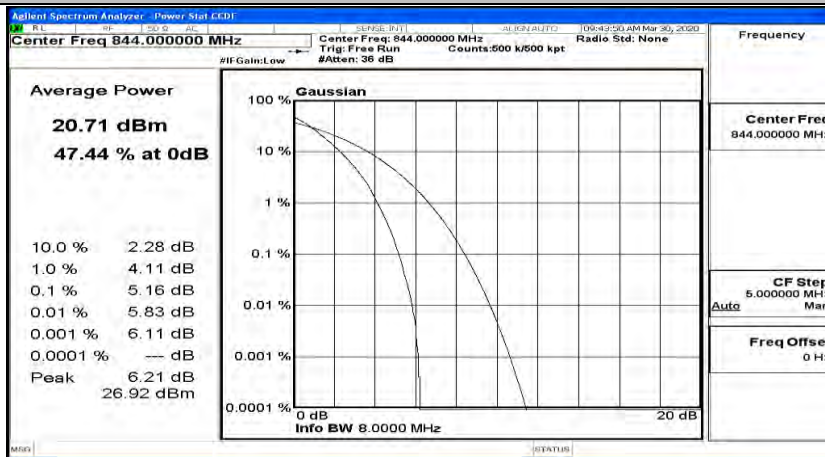
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz) LCH\_QPSK



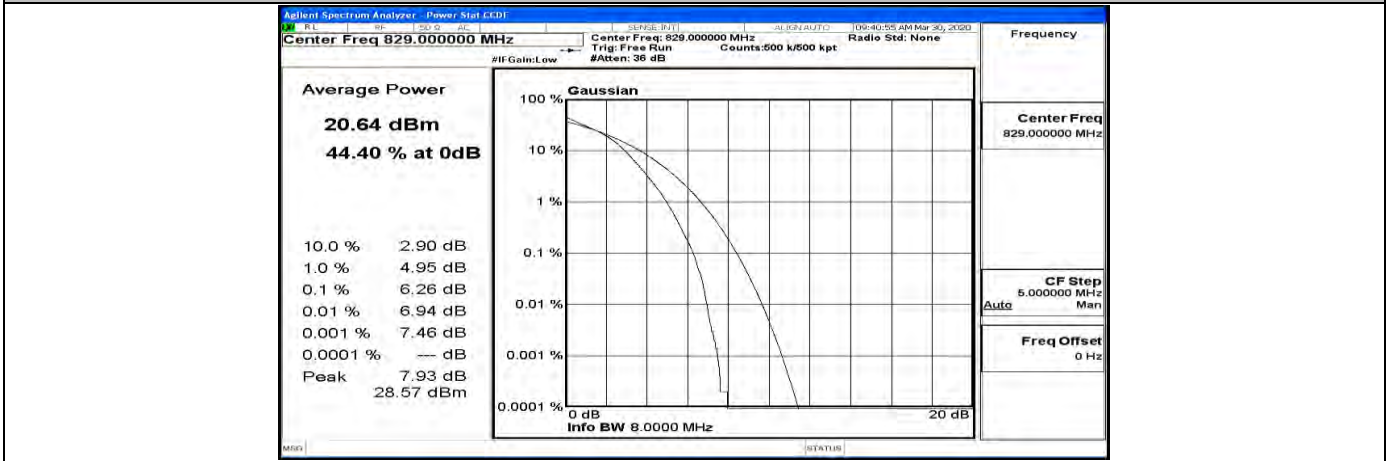
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz) MCH\_QPSK



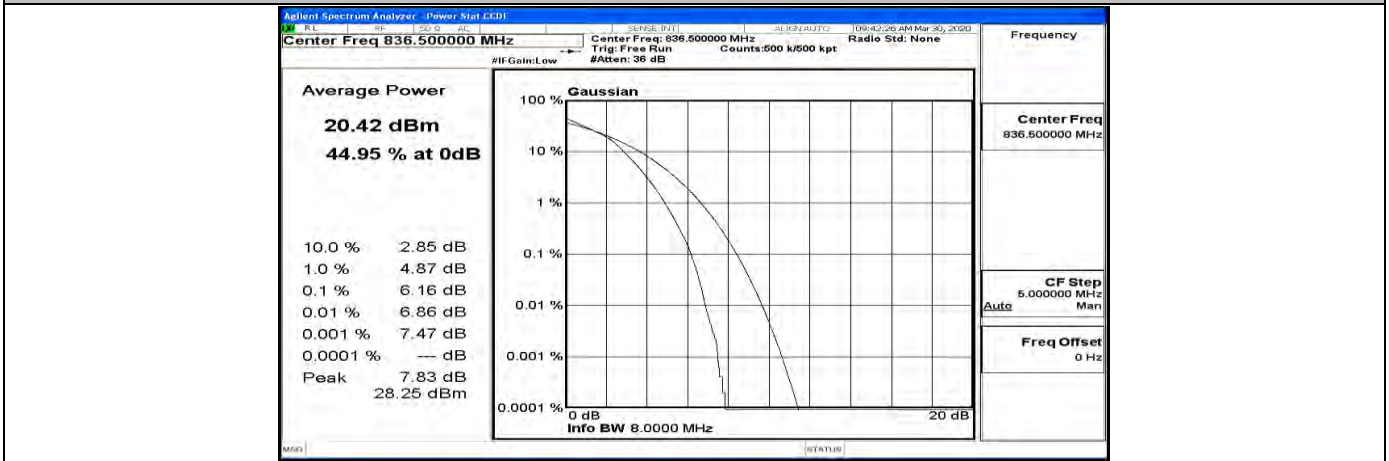
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz) HCH\_QPSK



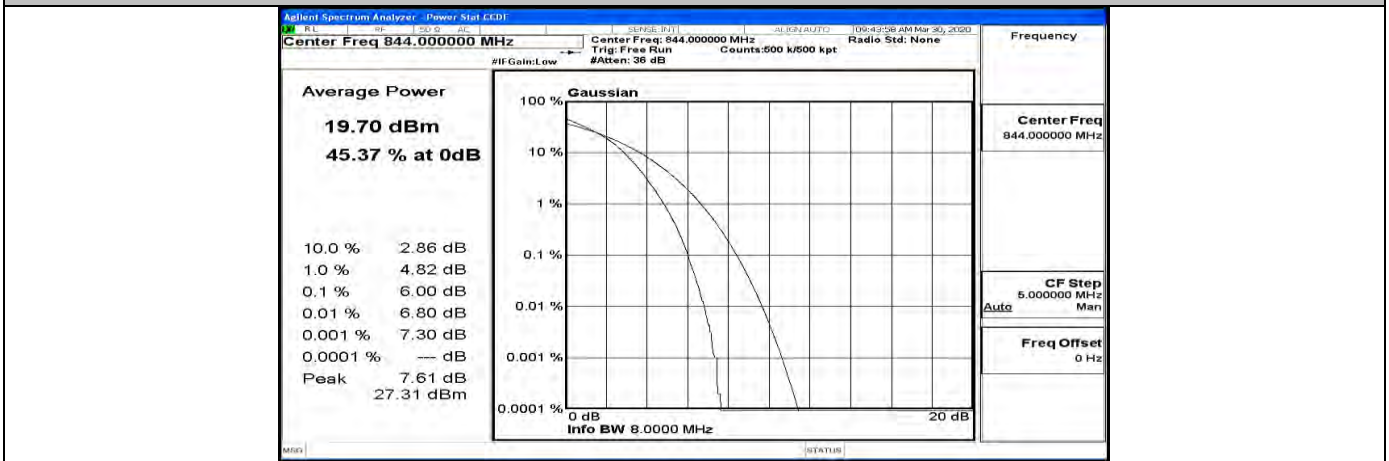
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_16QAM



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**

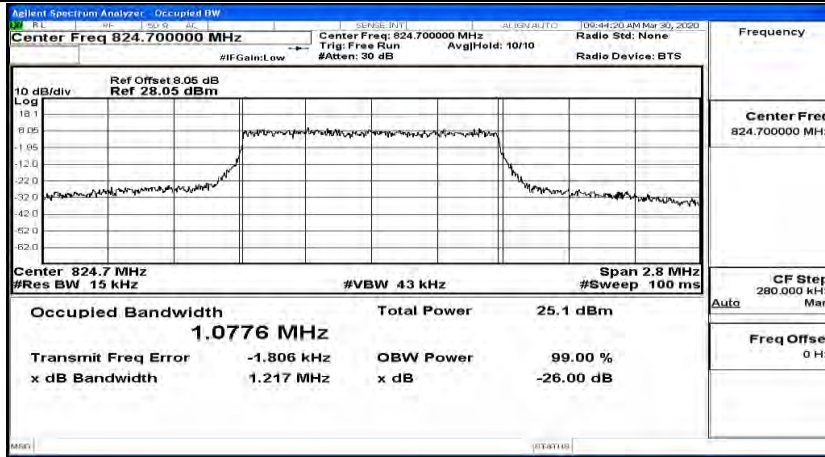
<b>EBW &amp; OBW Test Result (Channel Bandwidth: 1.4 MHz)</b>				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	1.0776	1.217	PASS
	MCH	1.0778	1.213	PASS
	HCH	1.0791	1.215	PASS
16QAM	LCH	1.0760	1.207	PASS
	MCH	1.0763	1.206	PASS
	HCH	1.0789	1.204	PASS

<b>EBW &amp; OBW Test Result (Channel Bandwidth: 3 MHz)</b>				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	2.6800	2.867	PASS
	MCH	2.6813	2.884	PASS
	HCH	2.6851	2.868	PASS
16QAM	LCH	2.6813	2.892	PASS
	MCH	2.6885	2.870	PASS
	HCH	2.6831	2.859	PASS

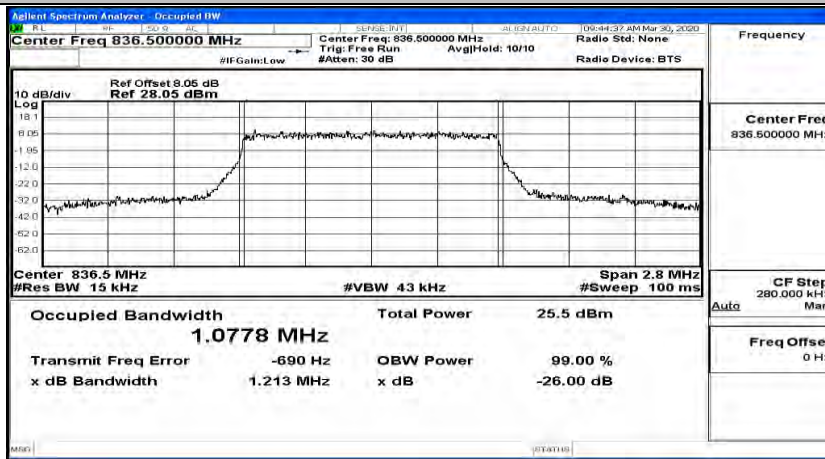
<b>EBW &amp; OBW Test Result (Channel Bandwidth: 5 MHz)</b>				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4724	4.834	PASS
	MCH	4.4792	4.828	PASS
	HCH	4.4663	4.796	PASS
16QAM	LCH	4.4681	4.795	PASS
	MCH	4.4780	4.823	PASS
	HCH	4.4796	4.821	PASS

<b>EBW &amp; OBW Test Result (Channel Bandwidth: 10 MHz)</b>				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9608	9.493	PASS
	MCH	8.9410	9.499	PASS
	HCH	8.9197	9.377	PASS
16QAM	LCH	8.9441	9.470	PASS
	MCH	8.9463	9.504	PASS
	HCH	8.9087	9.375	PASS

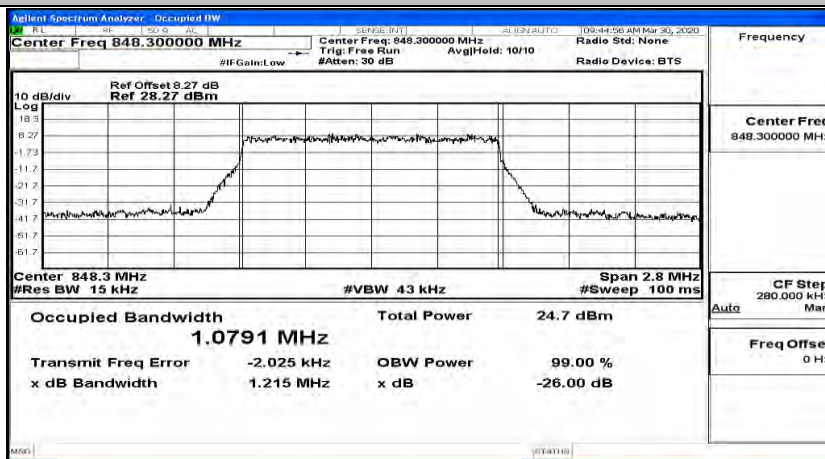
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK



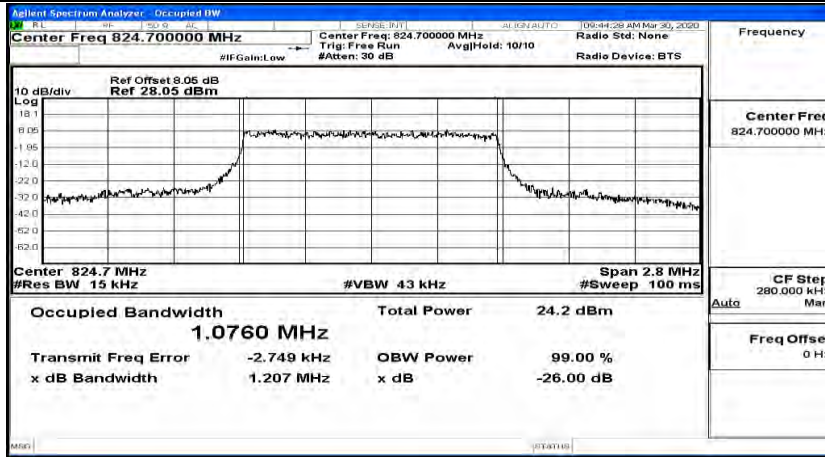
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK



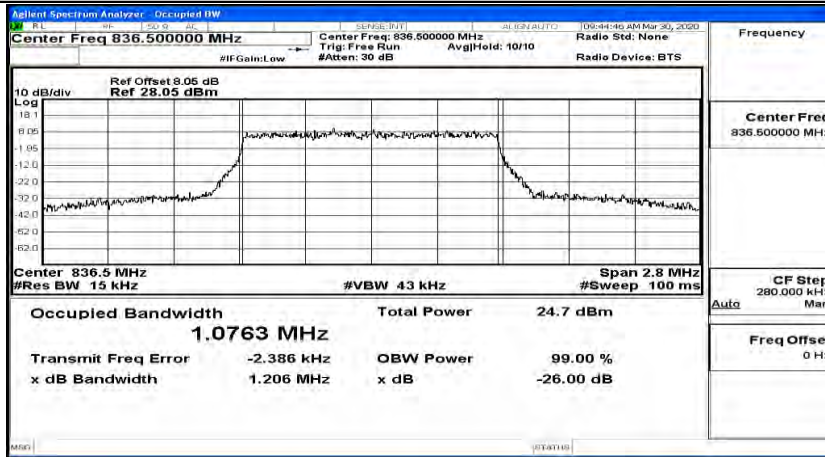
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK



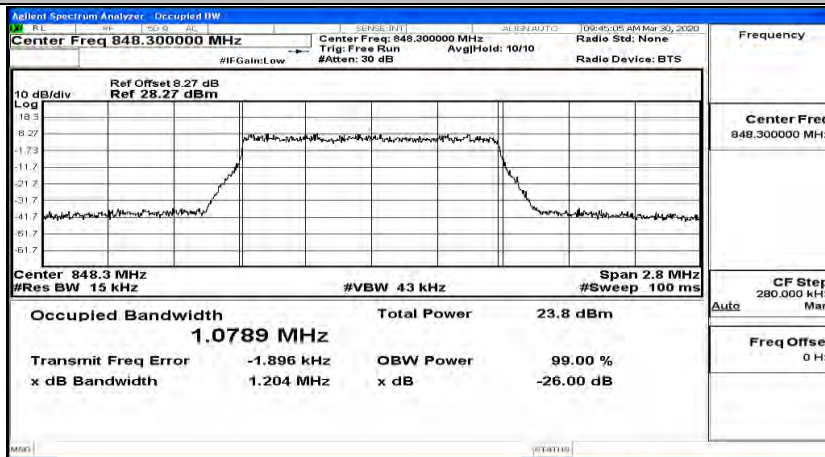
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz) LCH\_16QAM



EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz) MCH\_16QAM

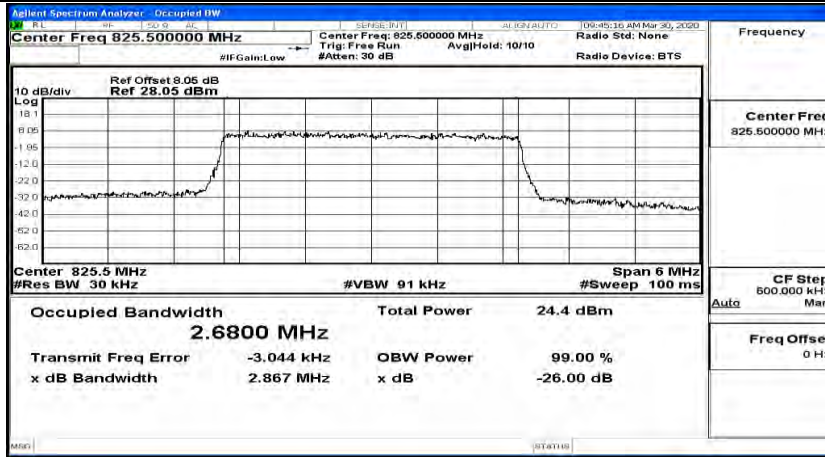


EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz) HCH\_16QAM

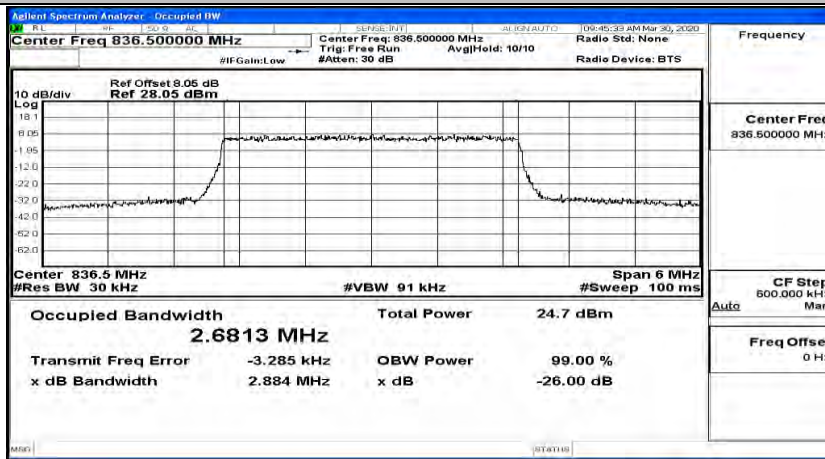




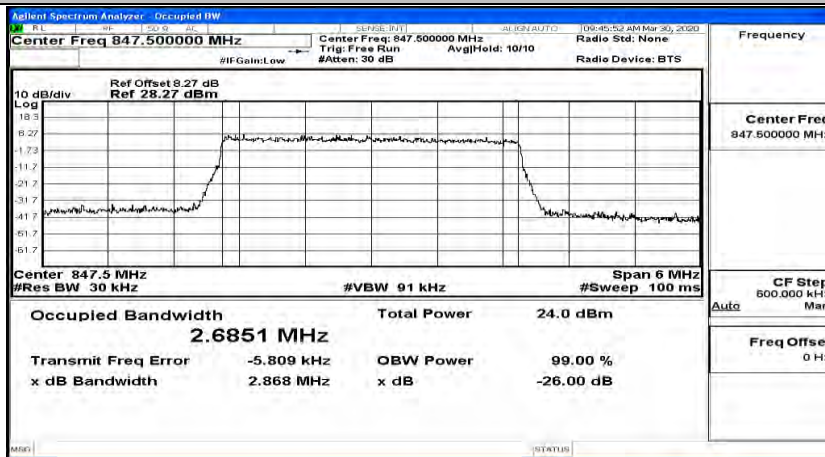
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_QPSK



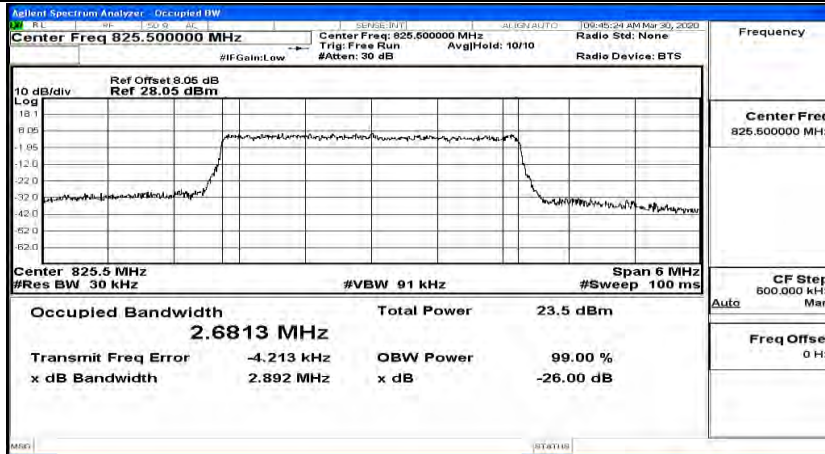
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_MCH\_QPSK



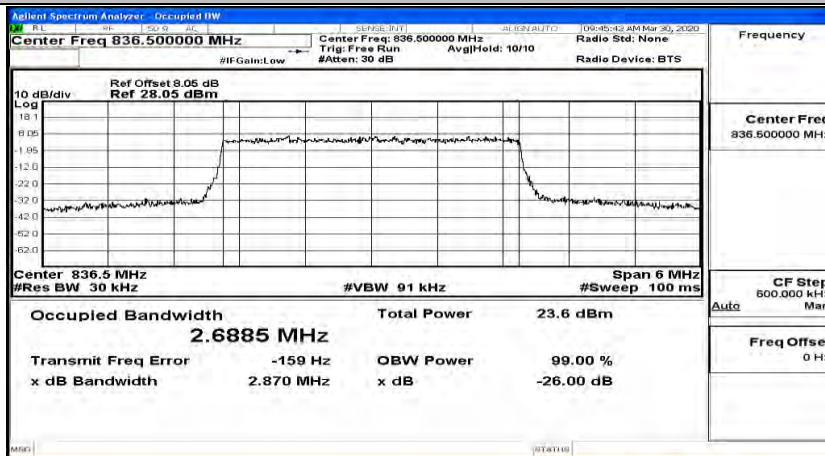
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_QPSK



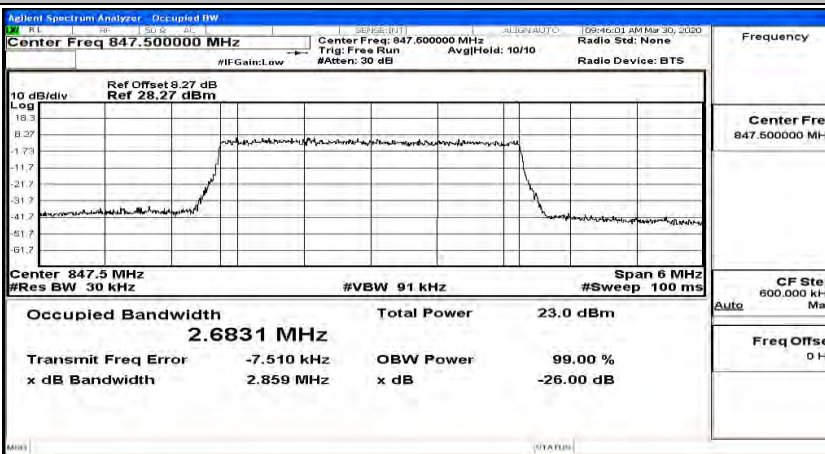
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz) LCH\_16QAM



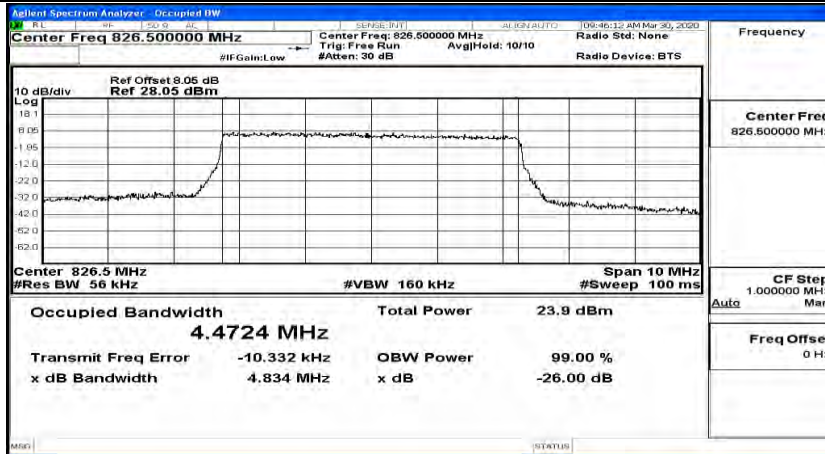
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz) MCH\_16QAM



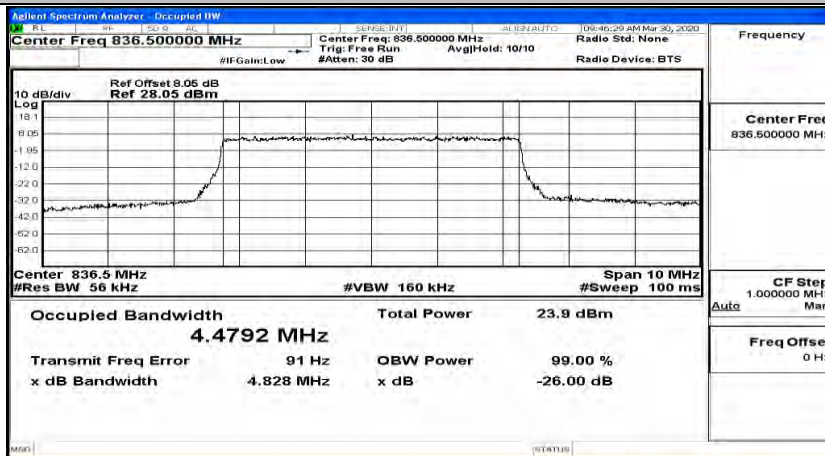
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz) HCH\_16QAM



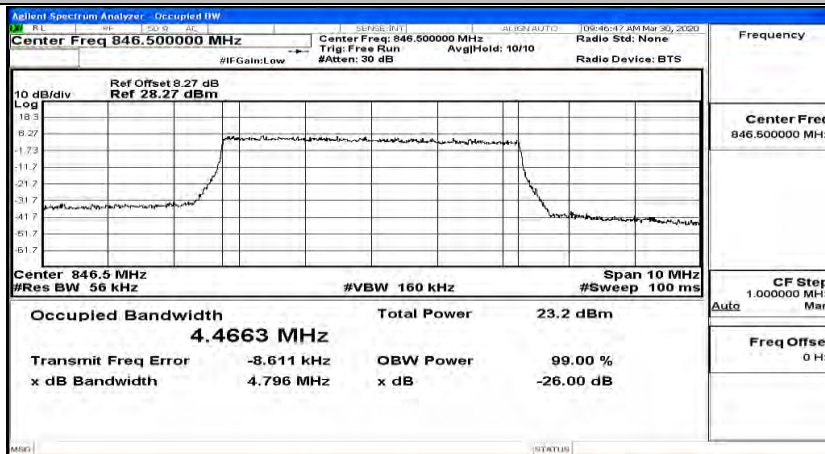
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_QPSK



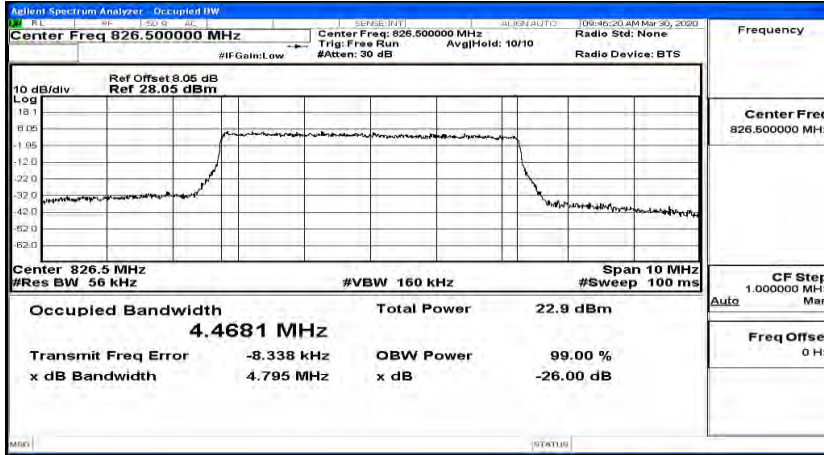
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_QPSK



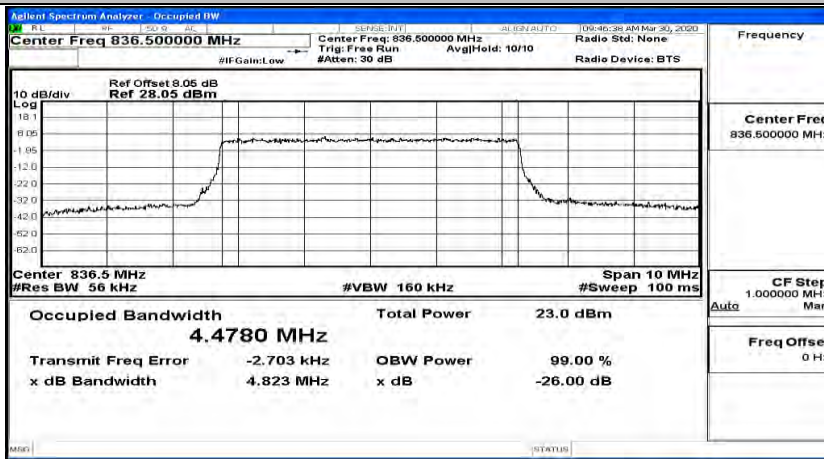
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_QPSK



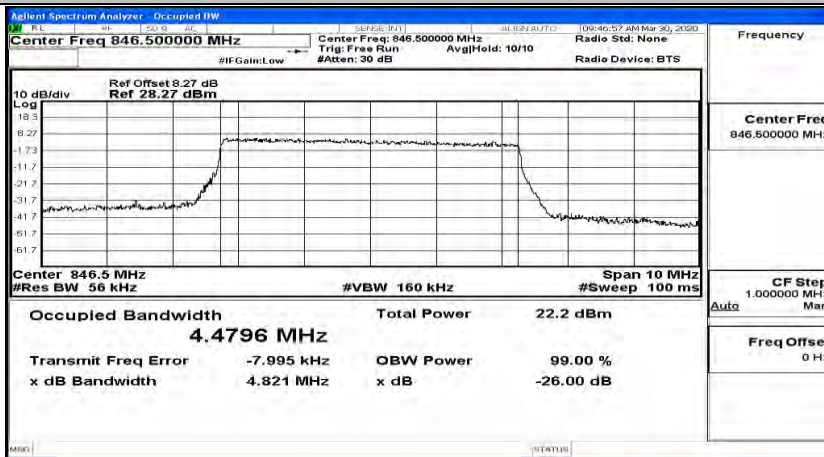
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz) LCH\_16QAM



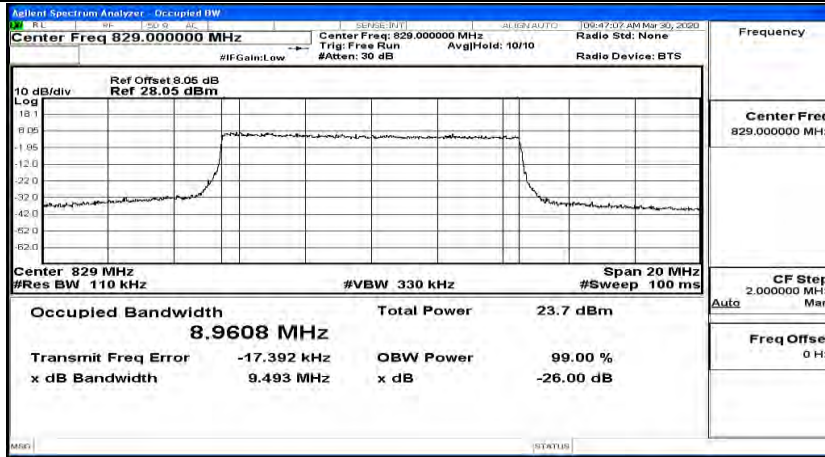
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz) MCH\_16QAM



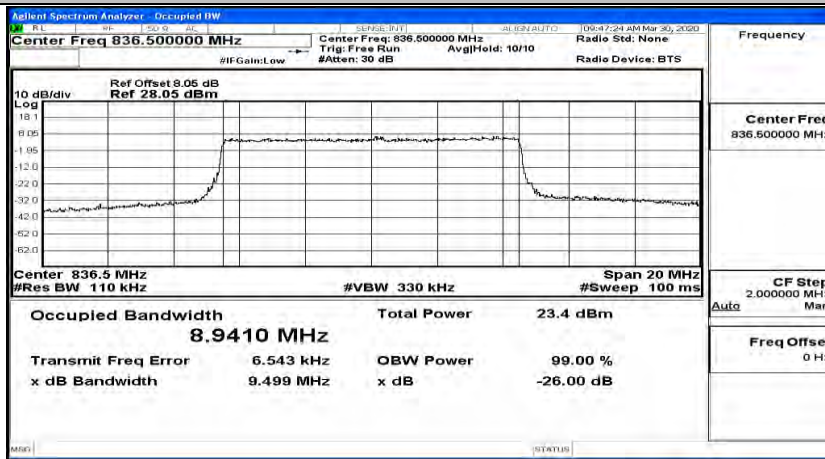
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz) HCH\_16QAM



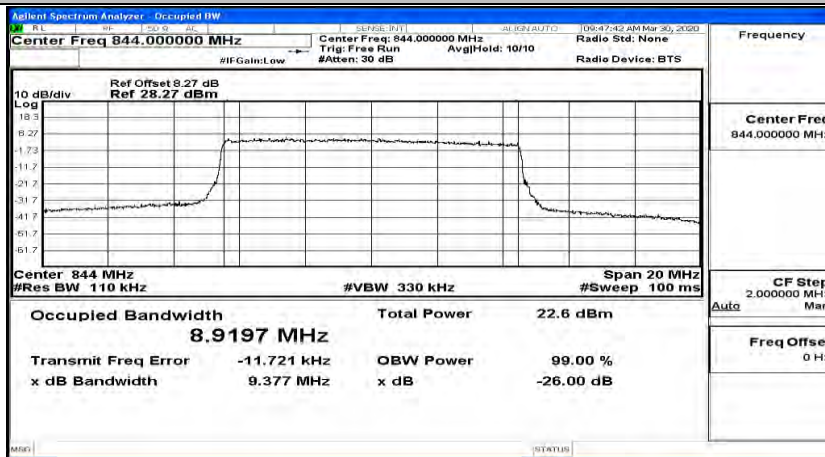
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK



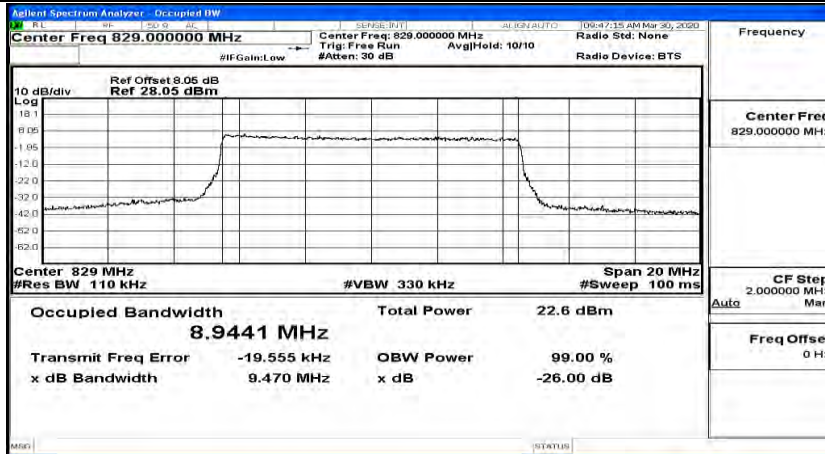
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_QPSK



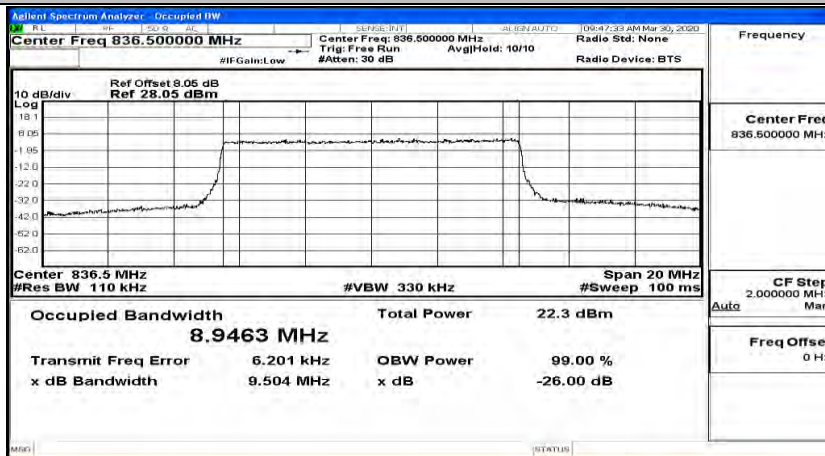
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_QPSK



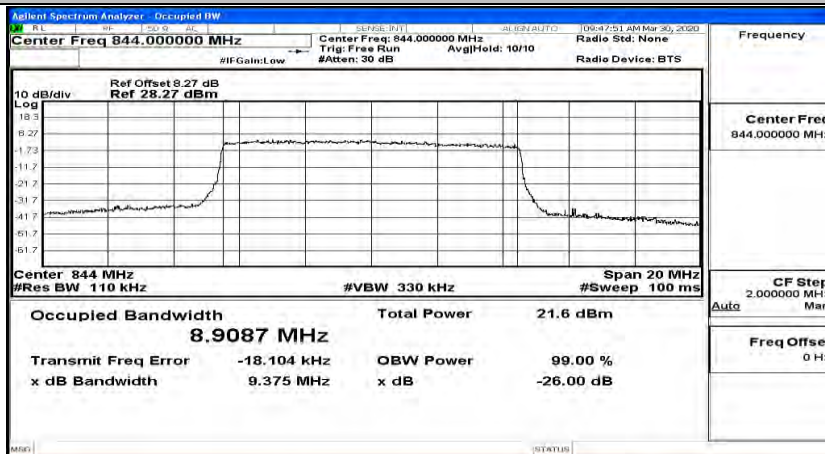
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_16QAM



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

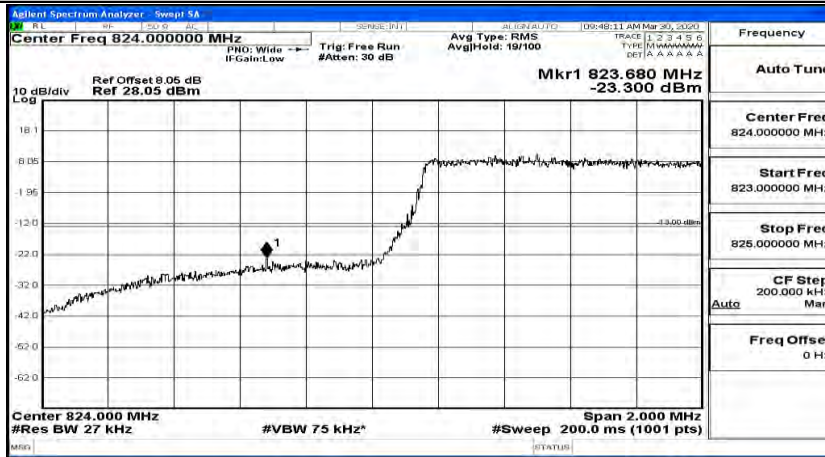


EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_16QAM

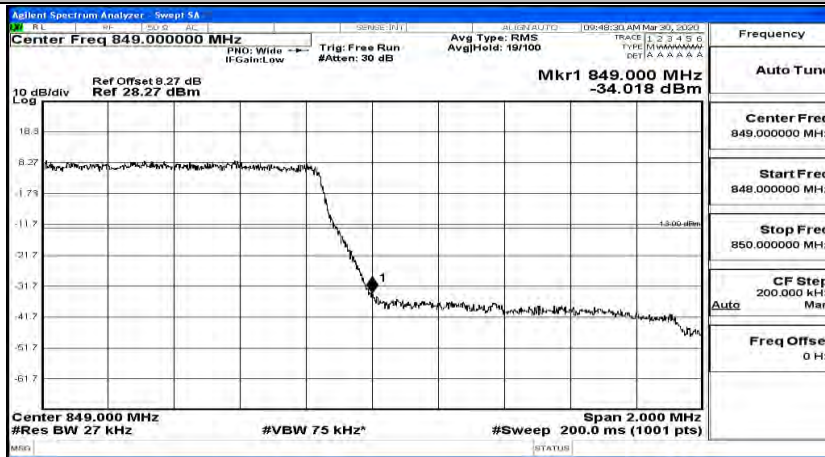


F.4 Band Edge

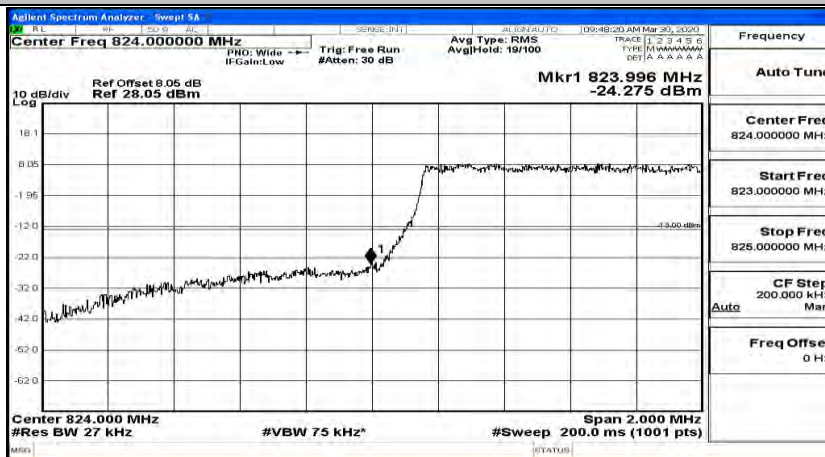
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK



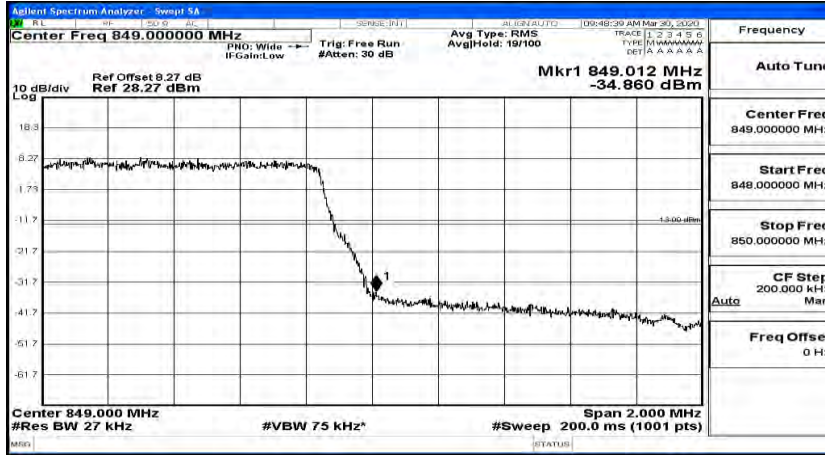
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK



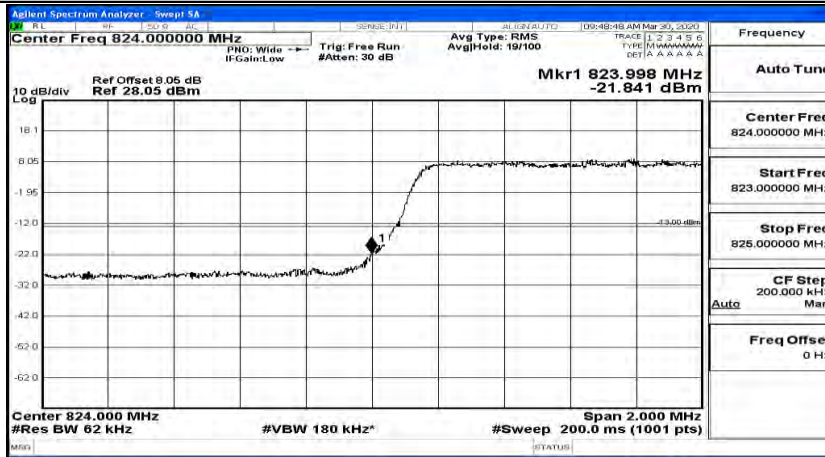
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM



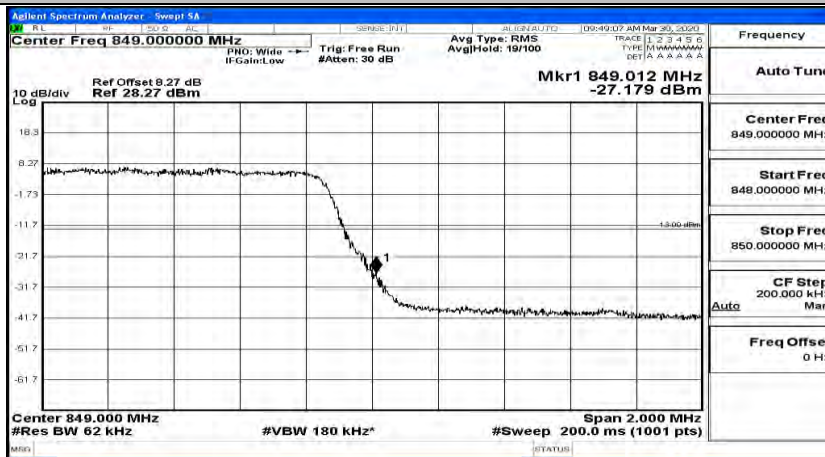
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM



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

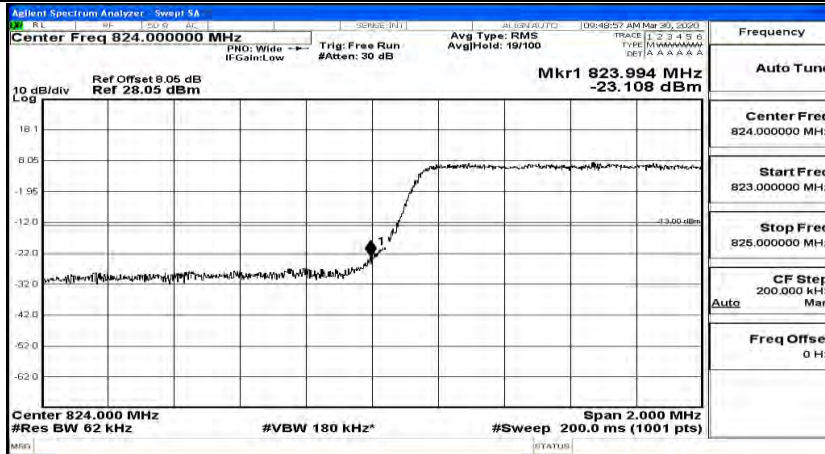


Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_QPSK

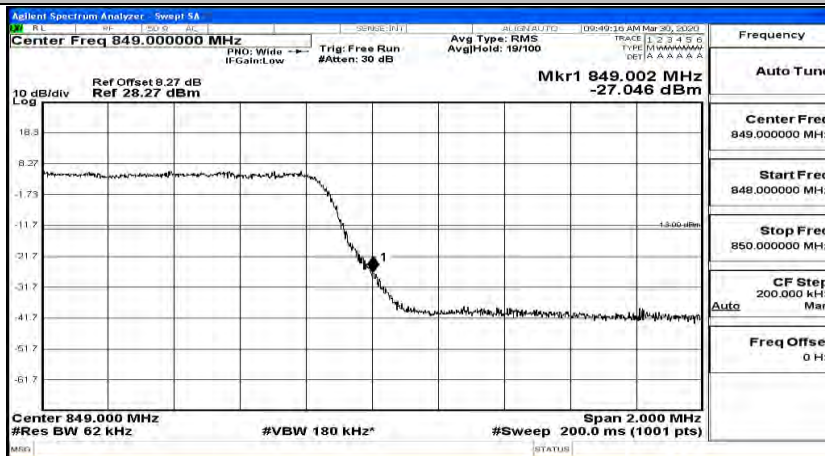




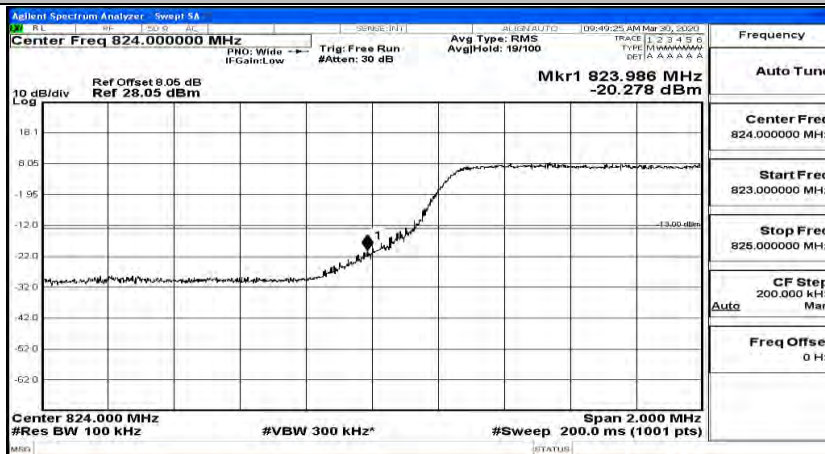
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_16QAM



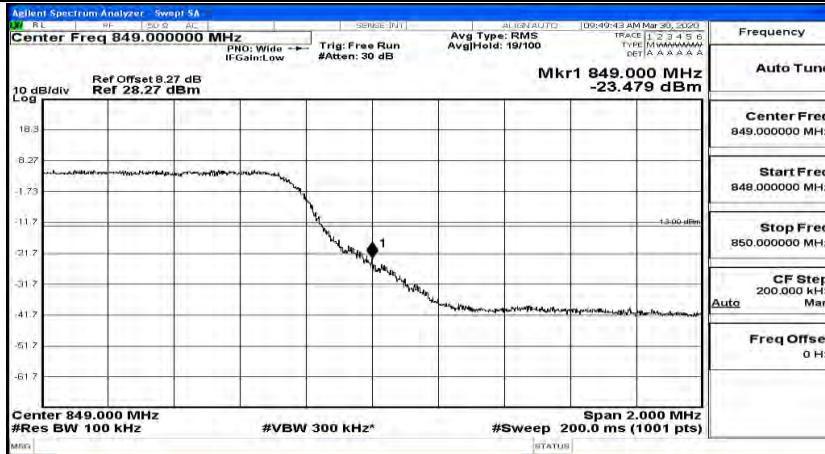
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_16QAM



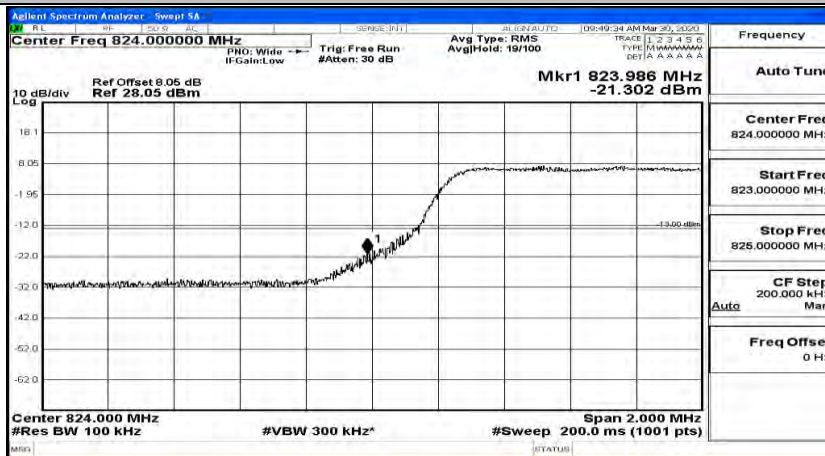
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_QPSK



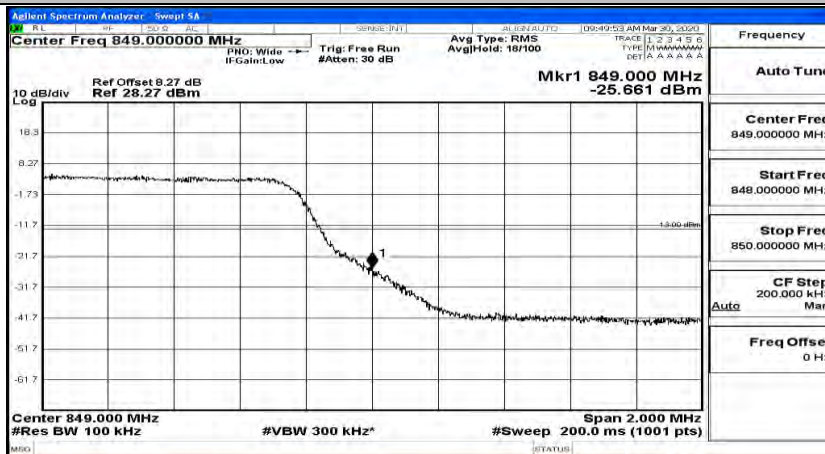
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_QPSK



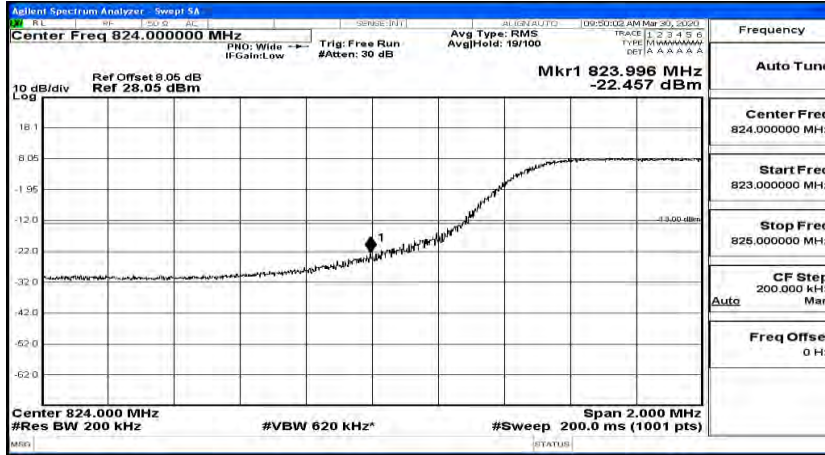
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_16QAM



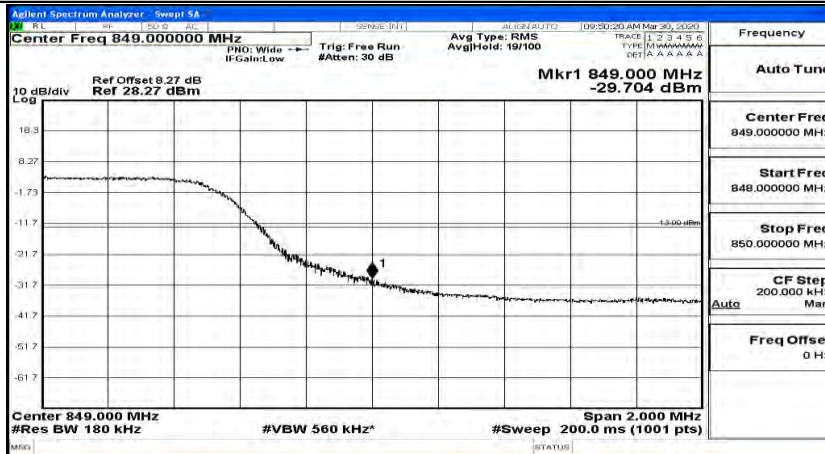
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM



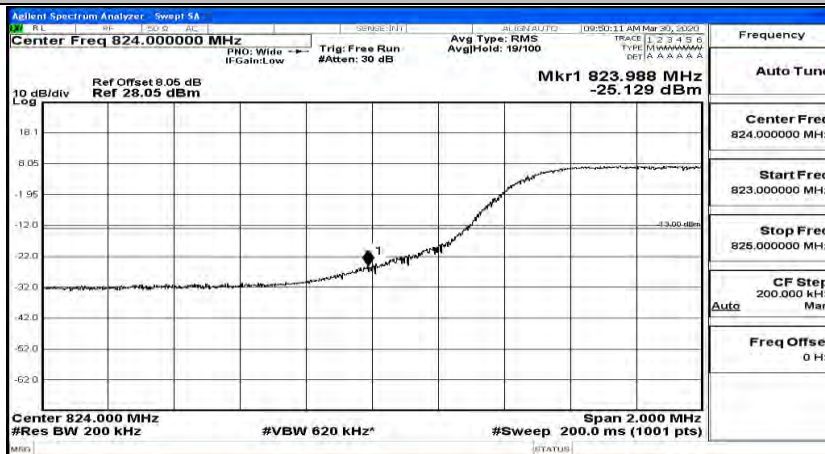
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz) LCH\_QPSK



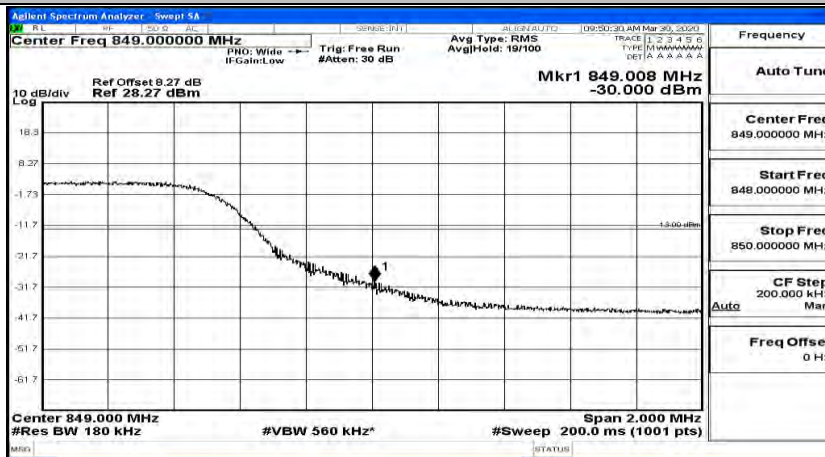
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz) HCH\_QPSK



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



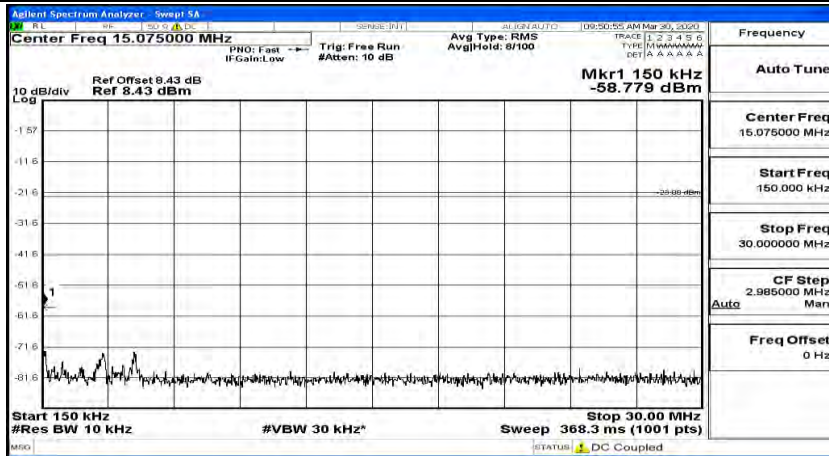
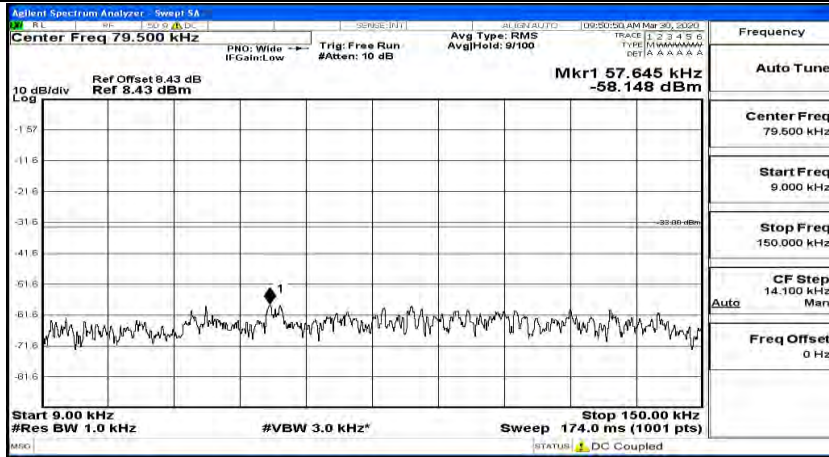
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_16QAM



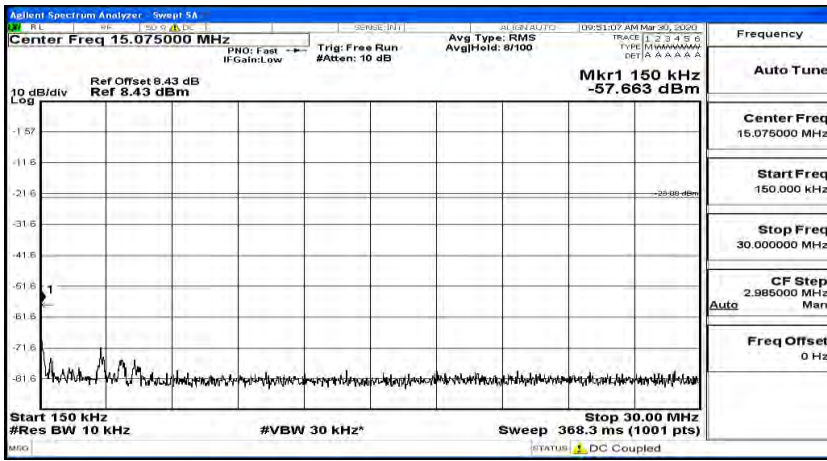
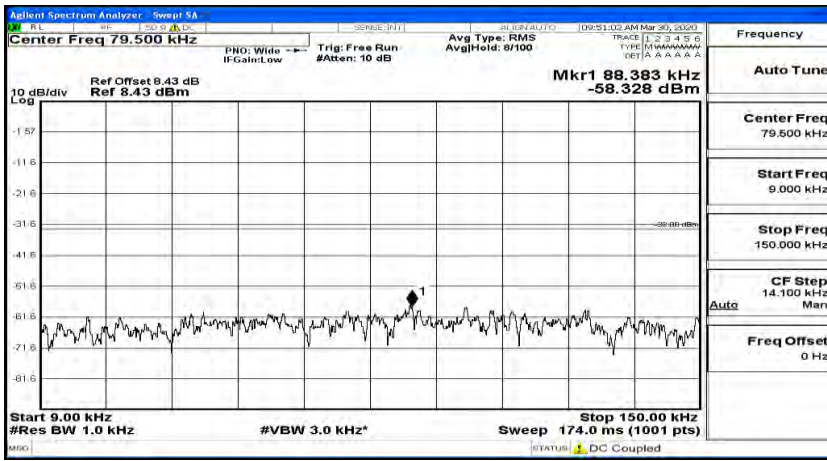
### F.5 Conducted Spurious Emission

Channel Bandwidth: 1.4 MHz

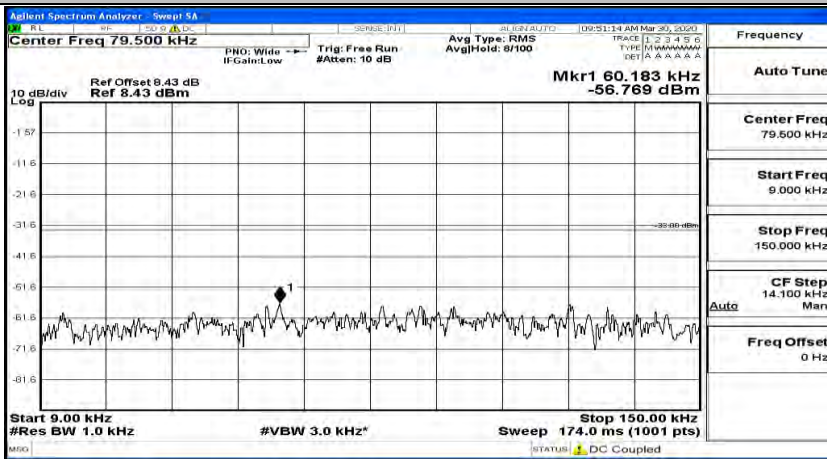
(Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK\_1RB#0

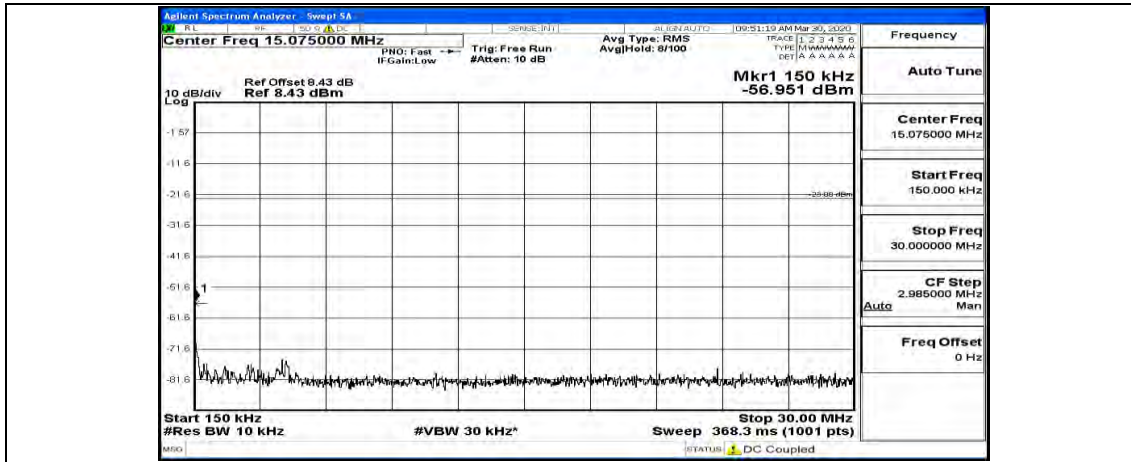


(Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK\_1RB#3

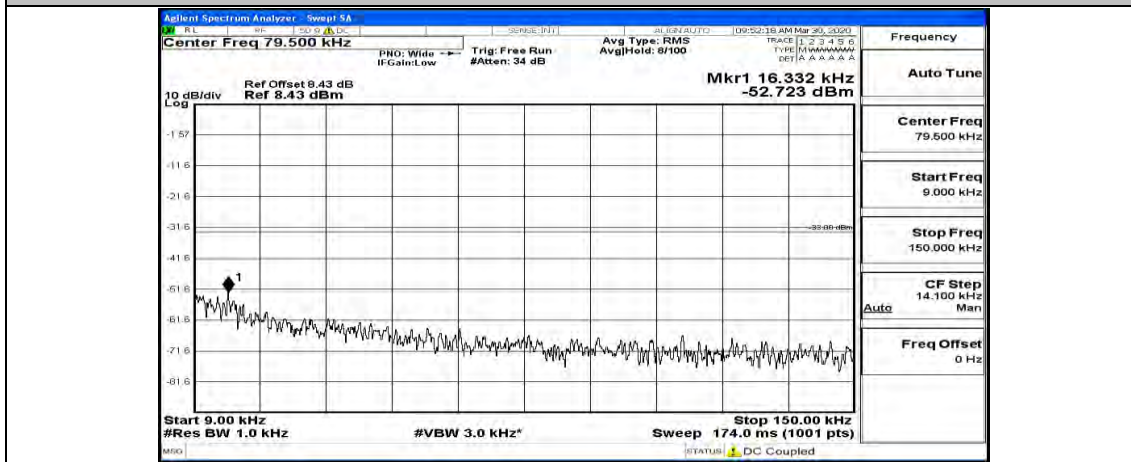


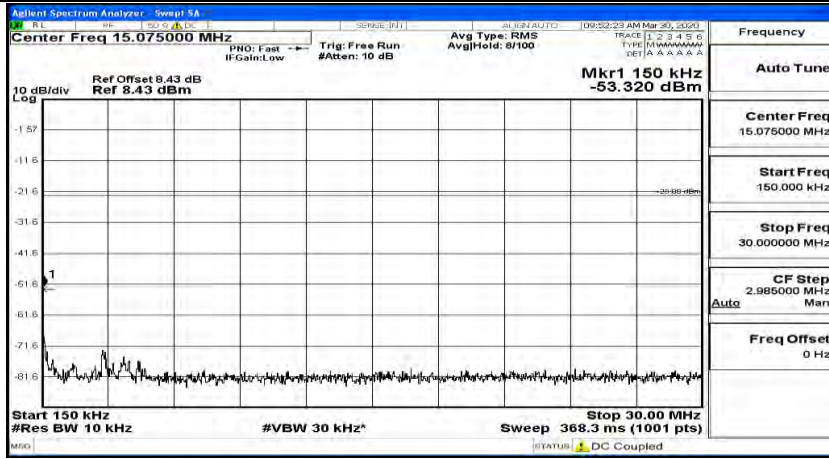
(Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK\_1RB#5



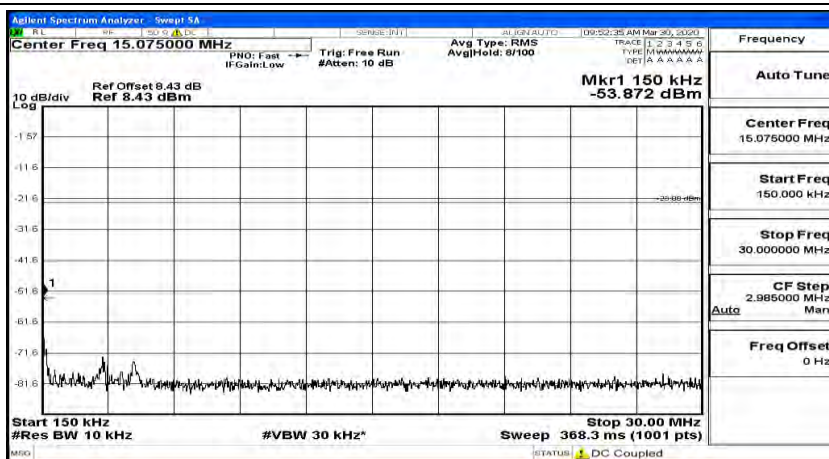
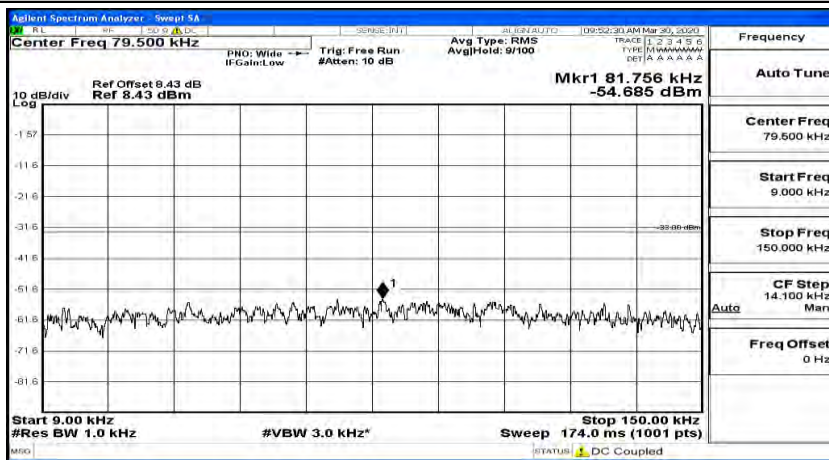


(Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK\_1RB#0





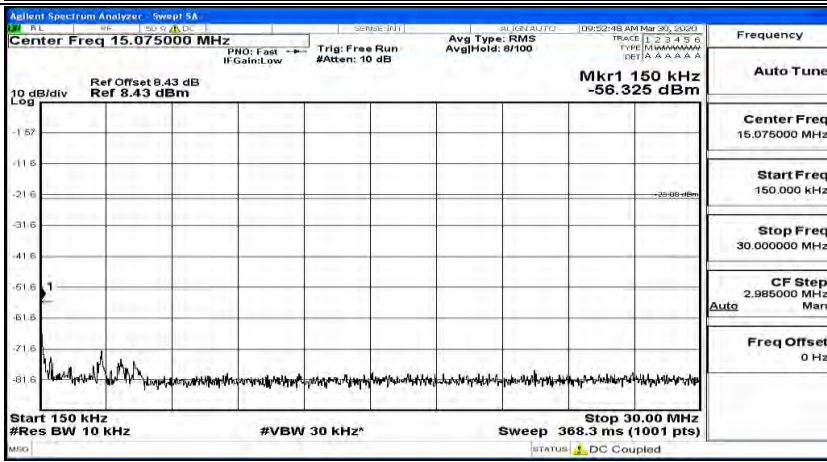
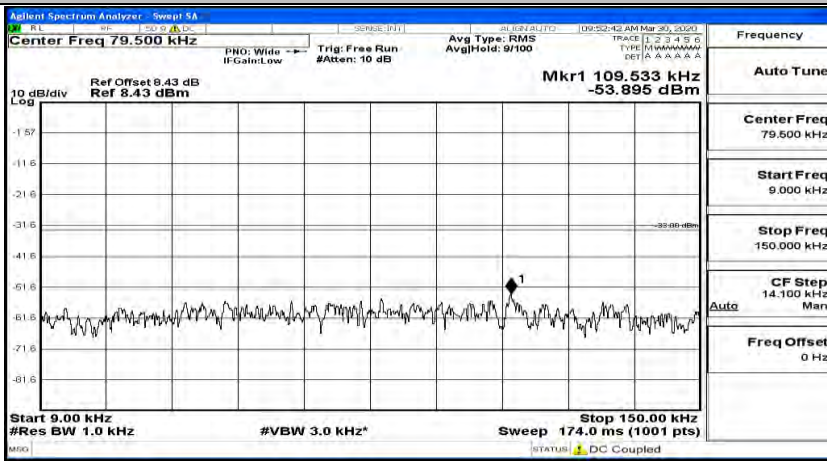
(Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK\_1RB#3



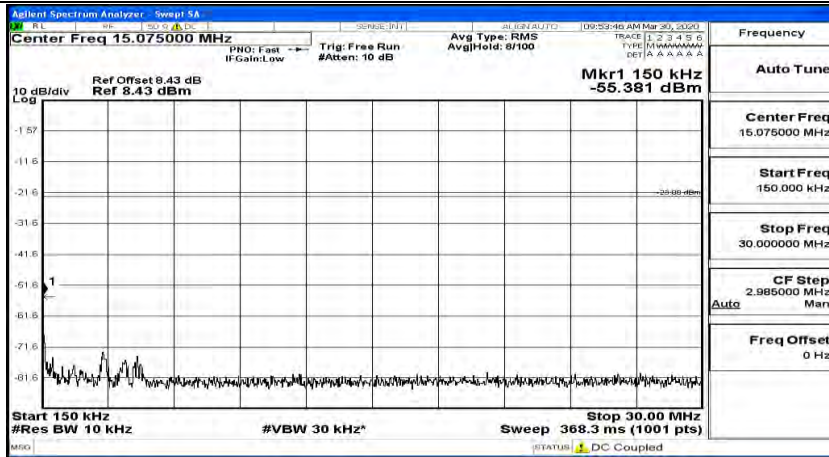
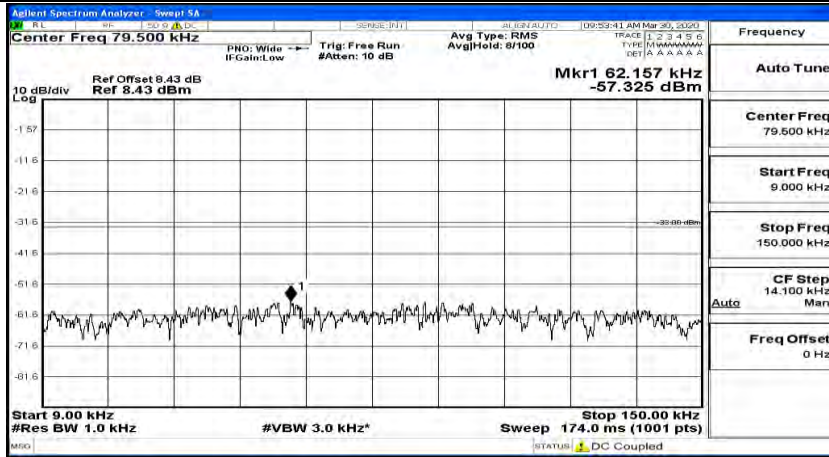




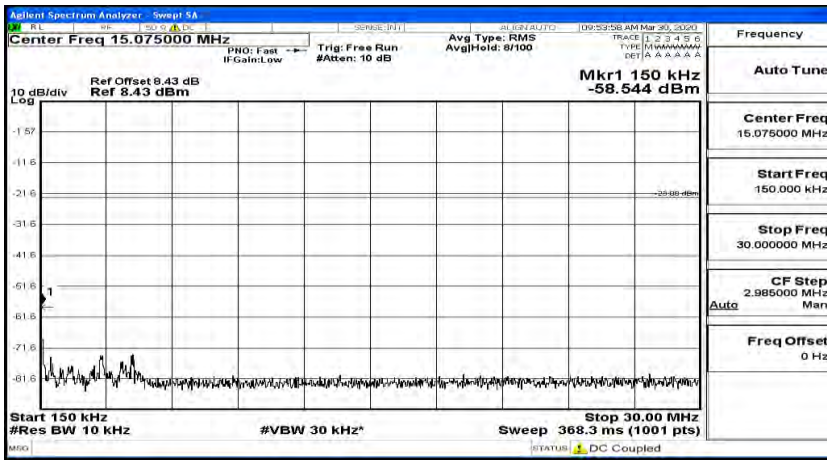
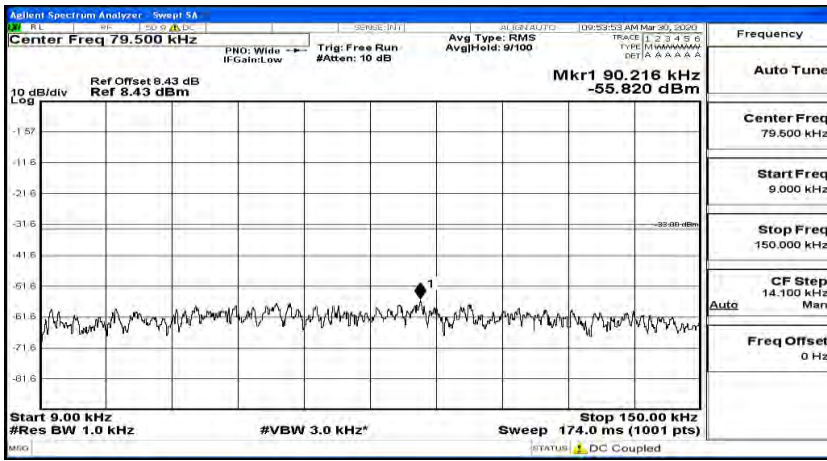
(Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK\_1RB#5



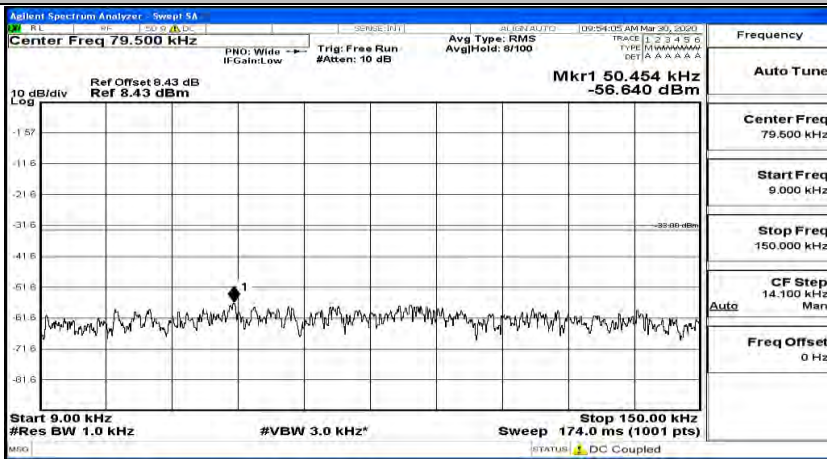
(Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK\_1RB#0

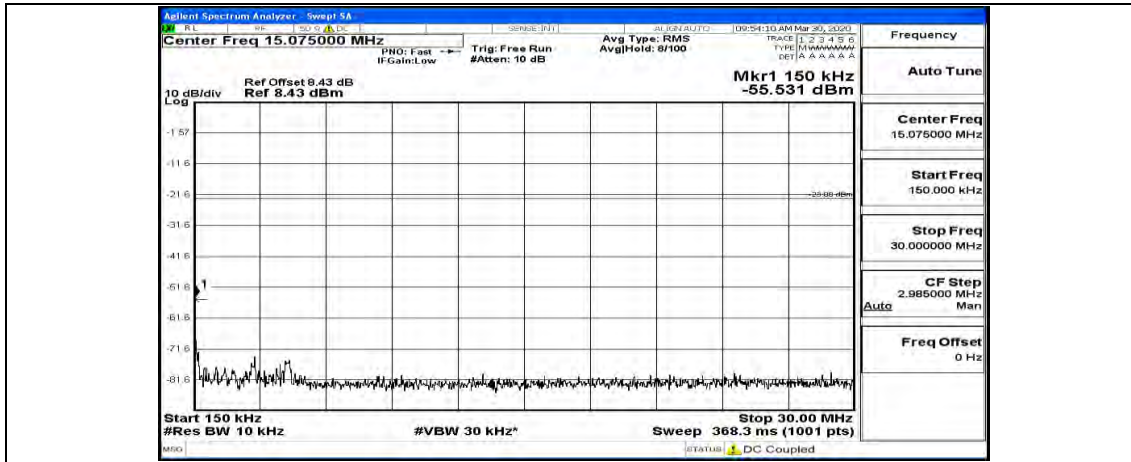


(Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK\_1RB#3

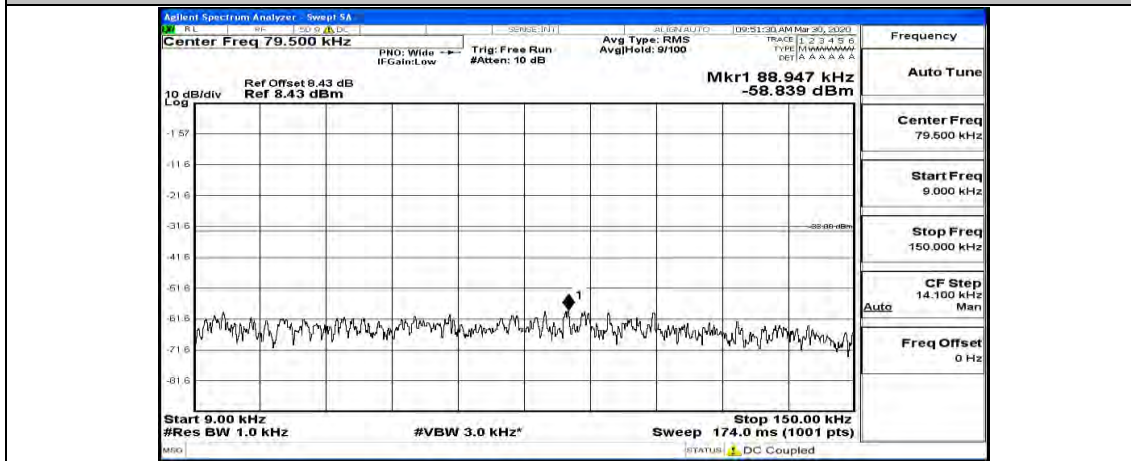


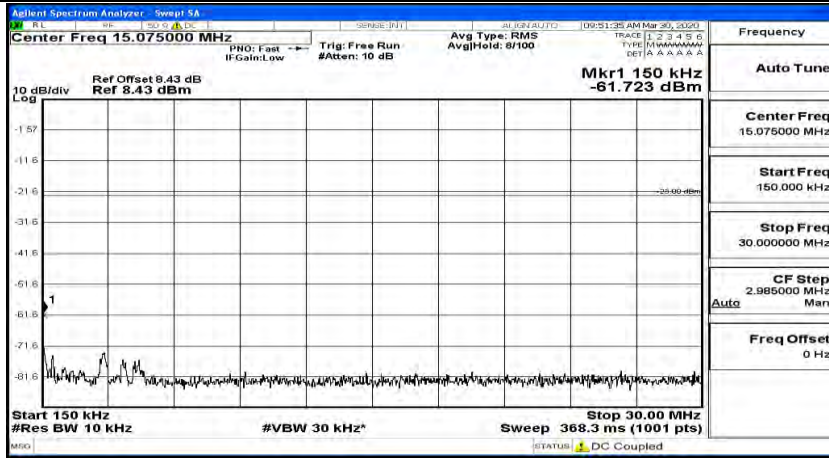
(Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK\_1RB#5



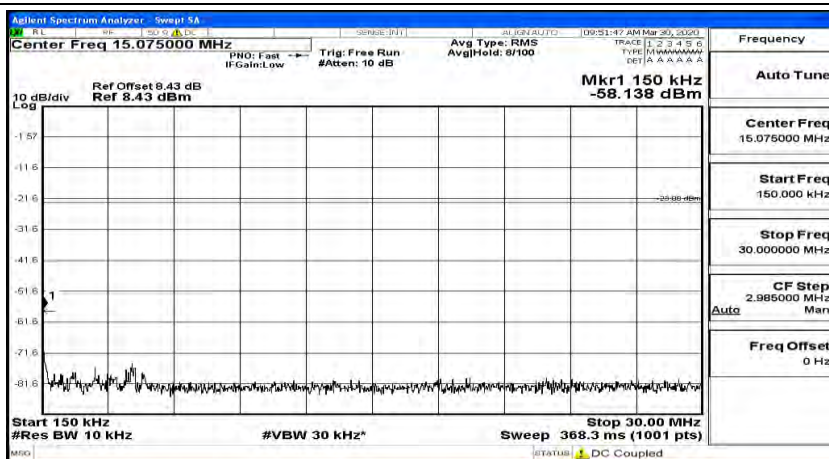
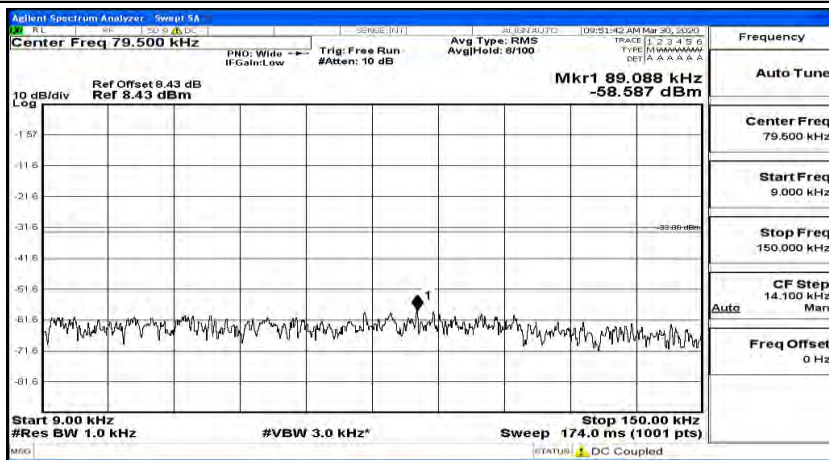


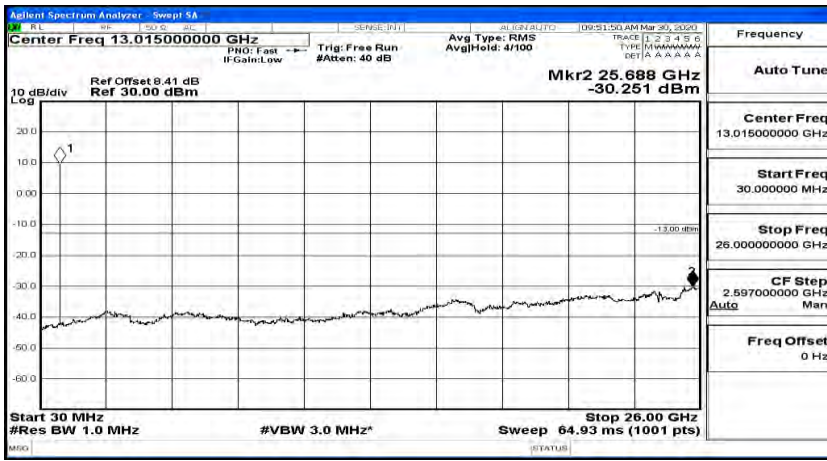
(Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM\_1RB#0



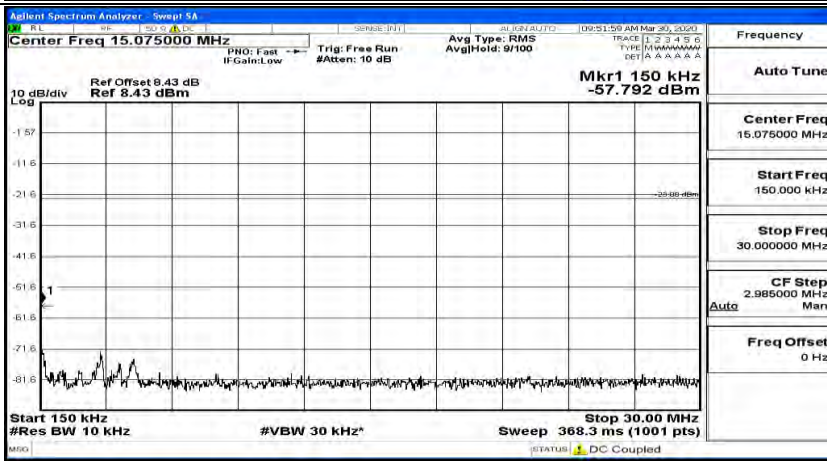
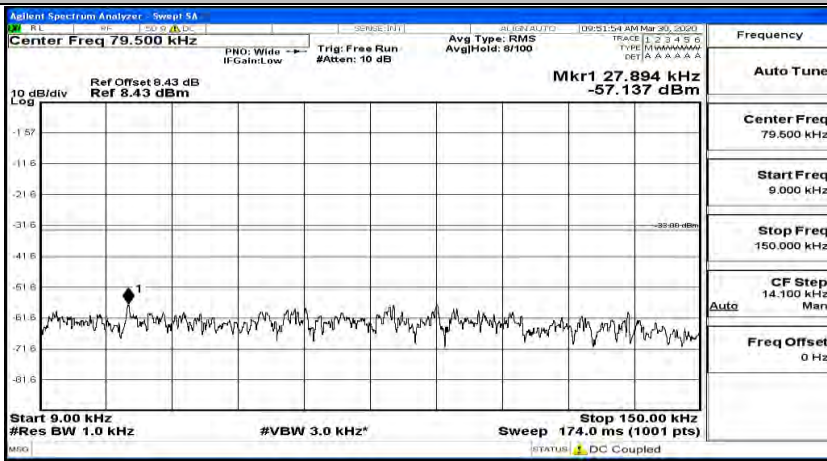


(Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM\_1RB#3

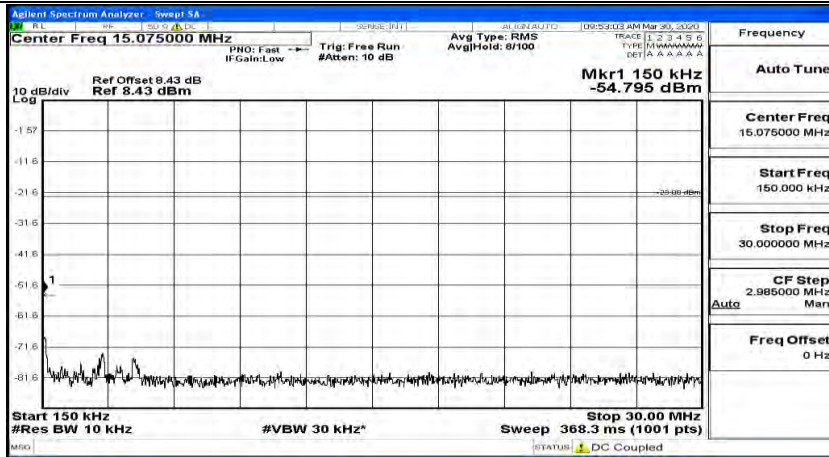
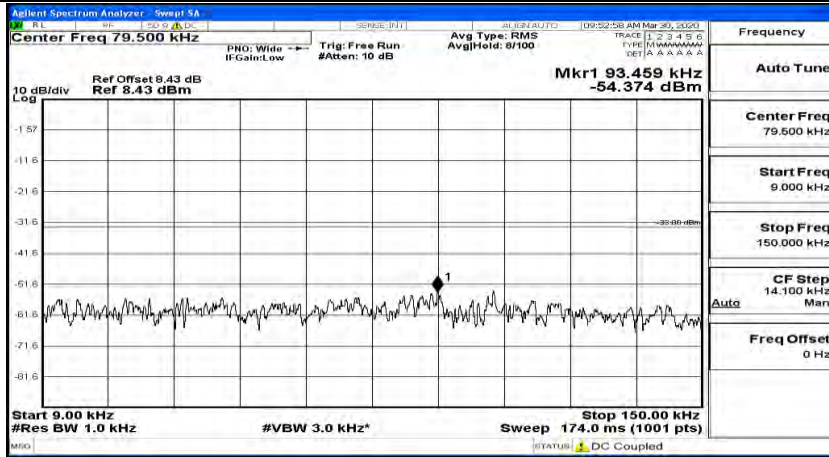




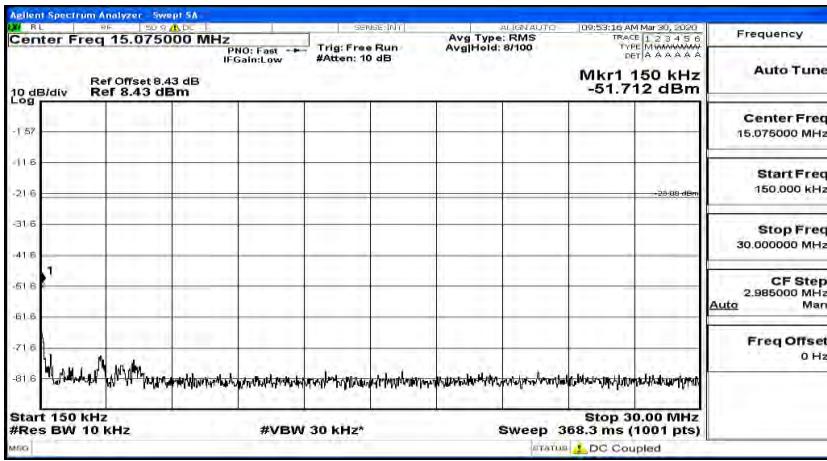
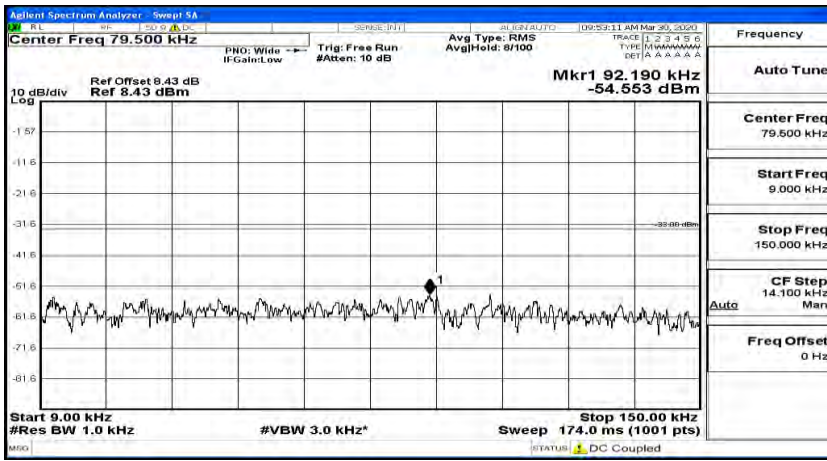
(Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM\_1RB#5



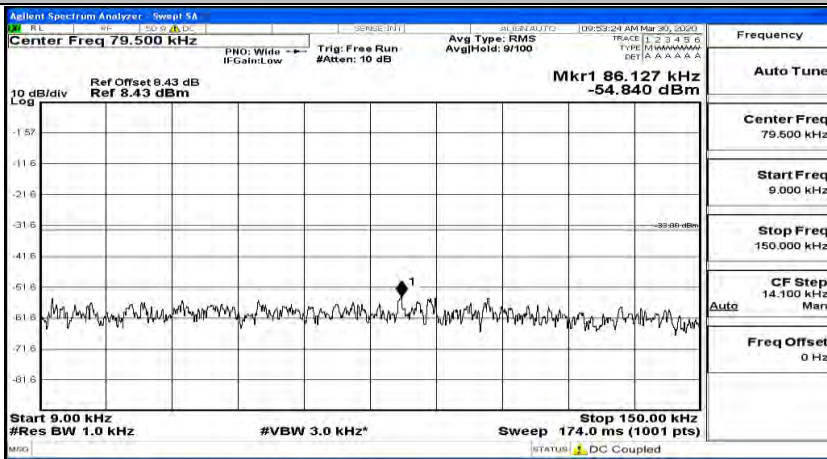
(Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM\_1RB#0



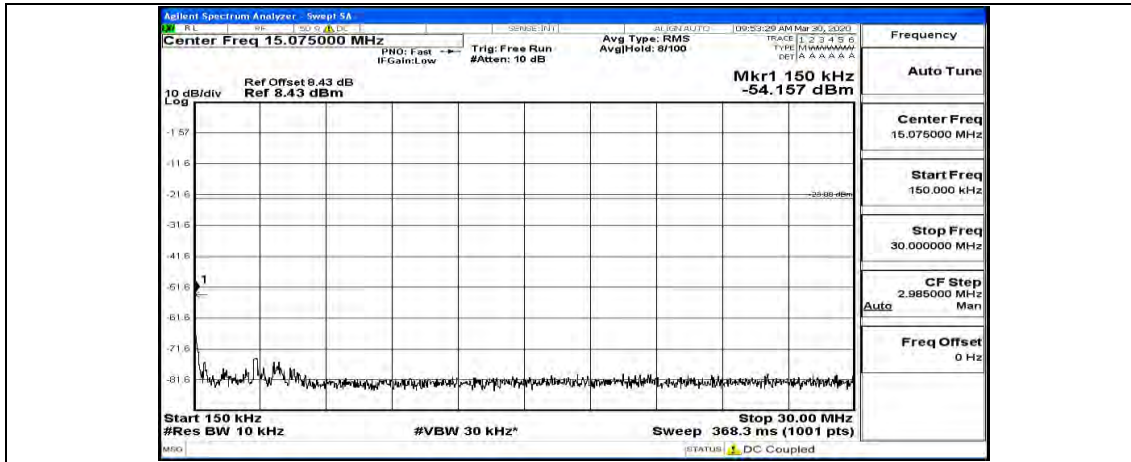
(Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM\_1RB#3



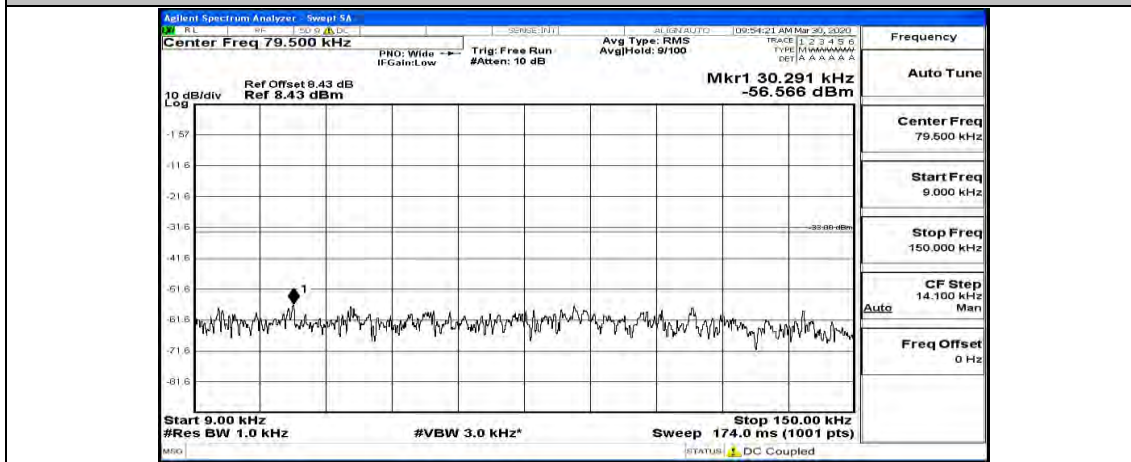
(Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM\_1RB#5

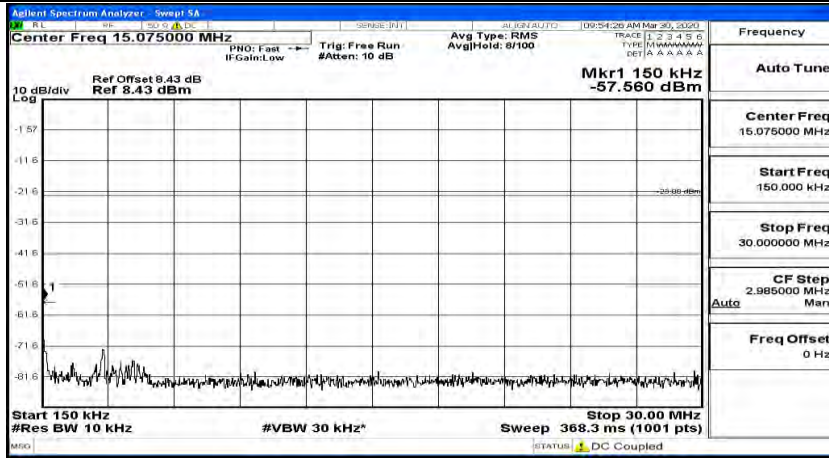




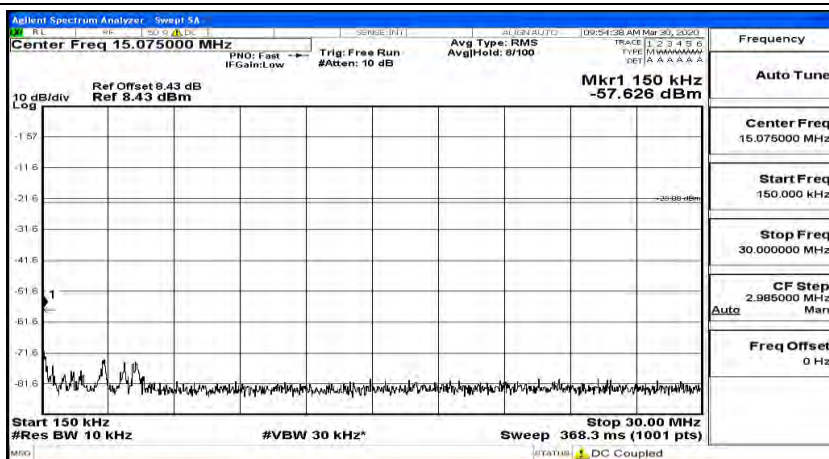
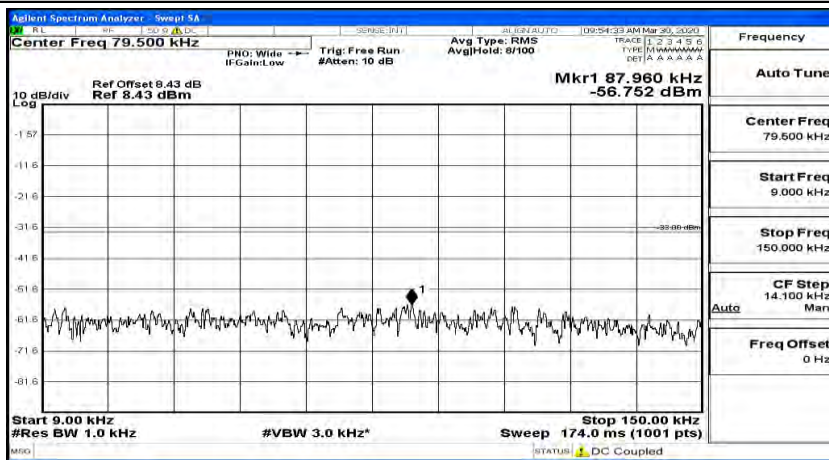


(Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM\_1RB#0



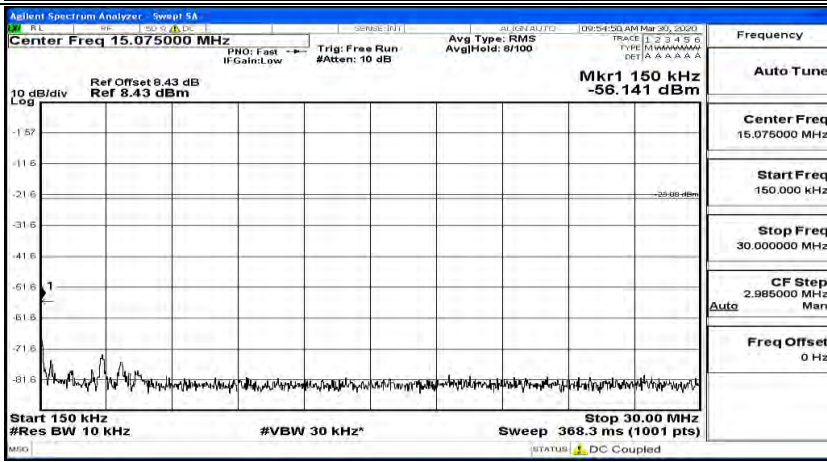
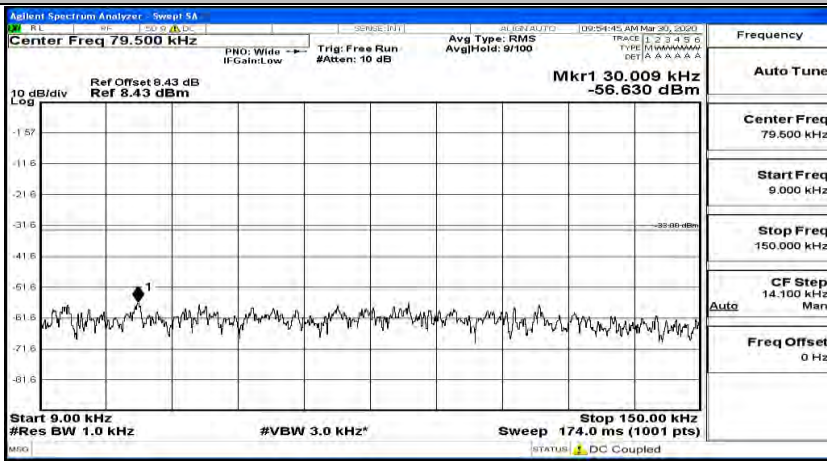


(Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM\_1RB#3



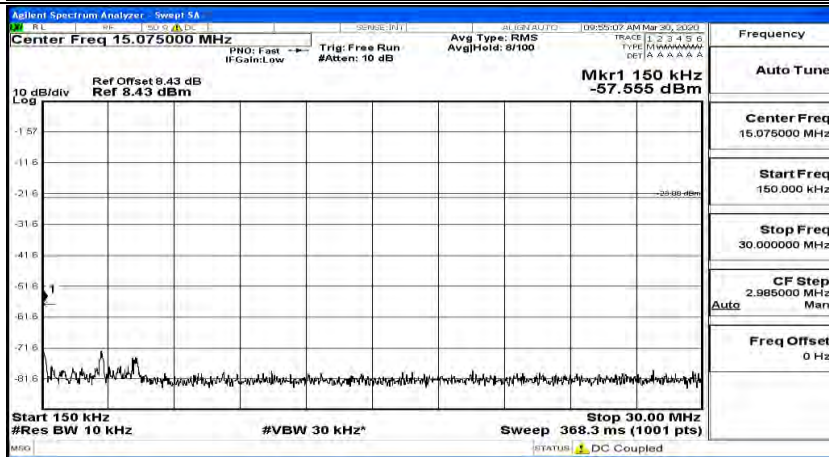
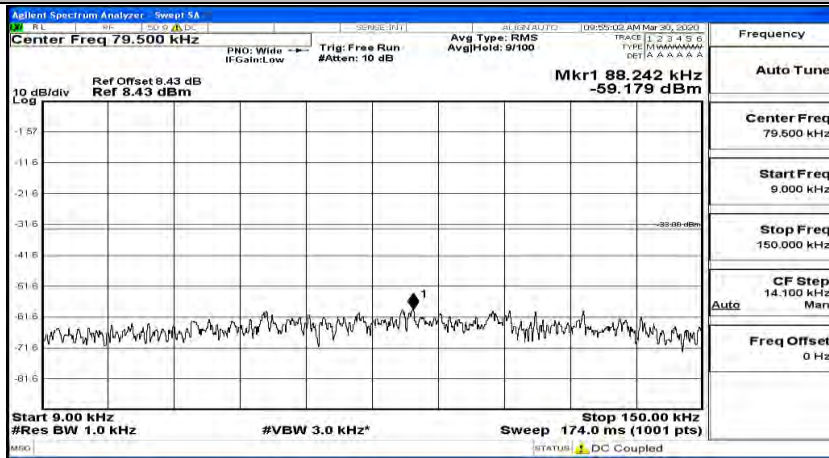


(Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM\_1RB#5

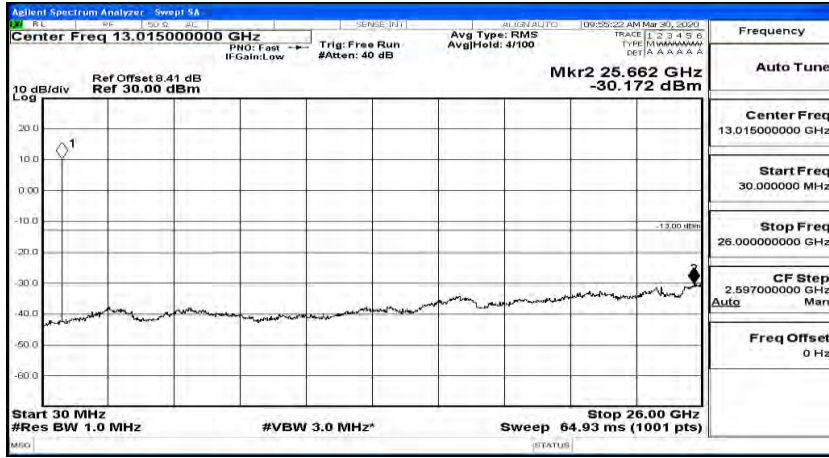
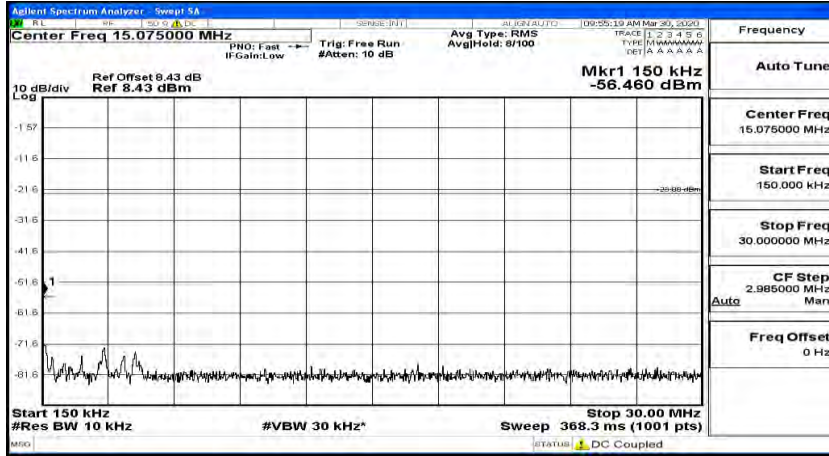
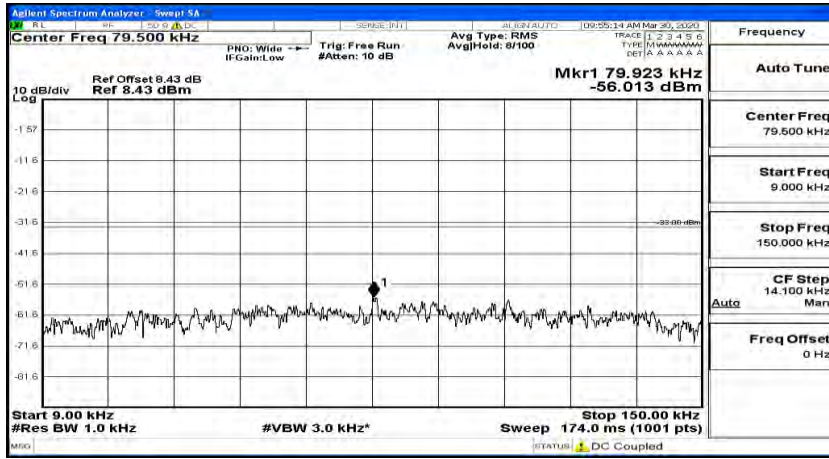


Channel Bandwidth: 3 MHz

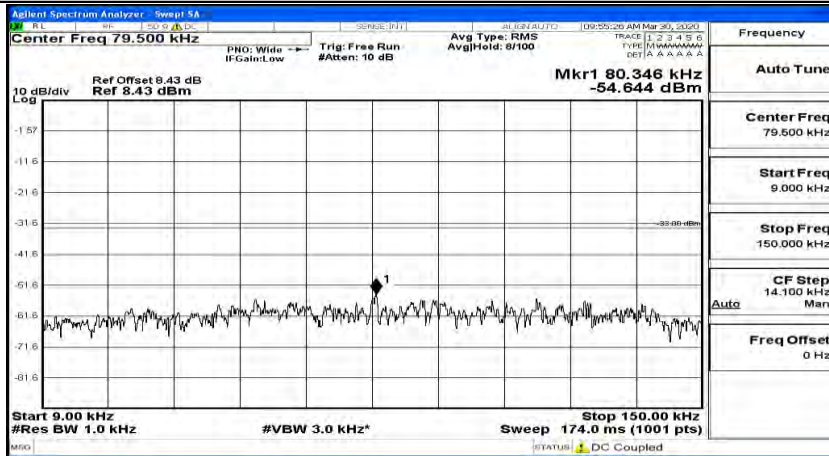
(Channel Bandwidth: 3 MHz)\_LCH\_QPSK\_1RB#0

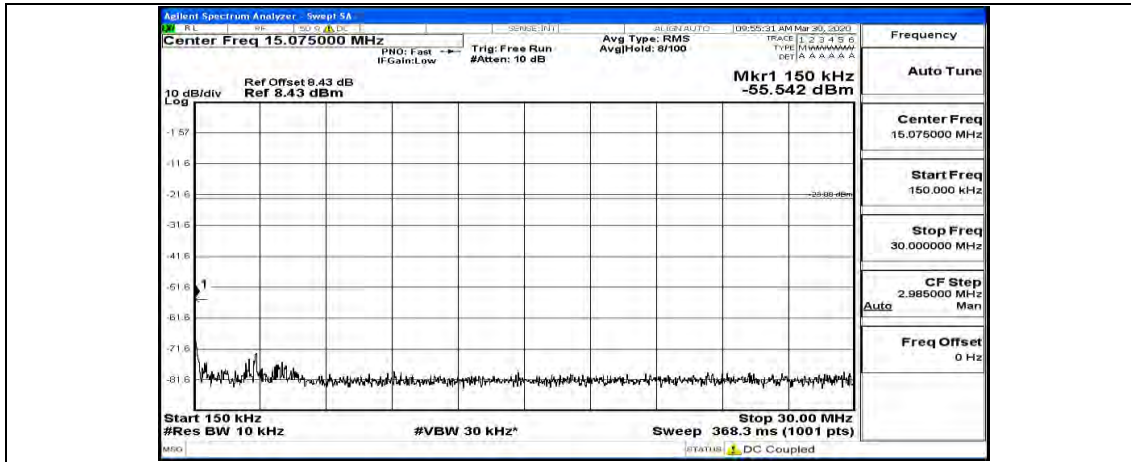


(Channel Bandwidth: 3 MHz)\_LCH\_QPSK\_1RB#7

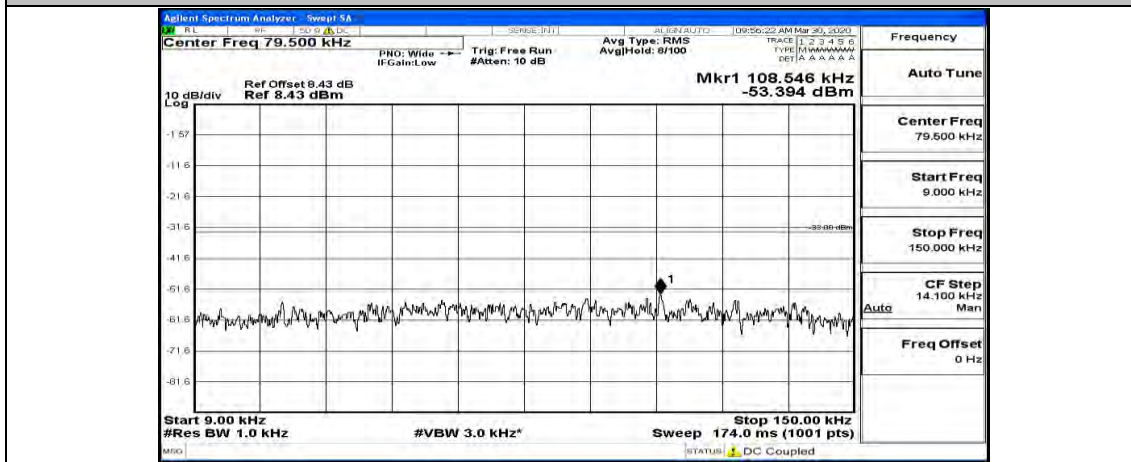


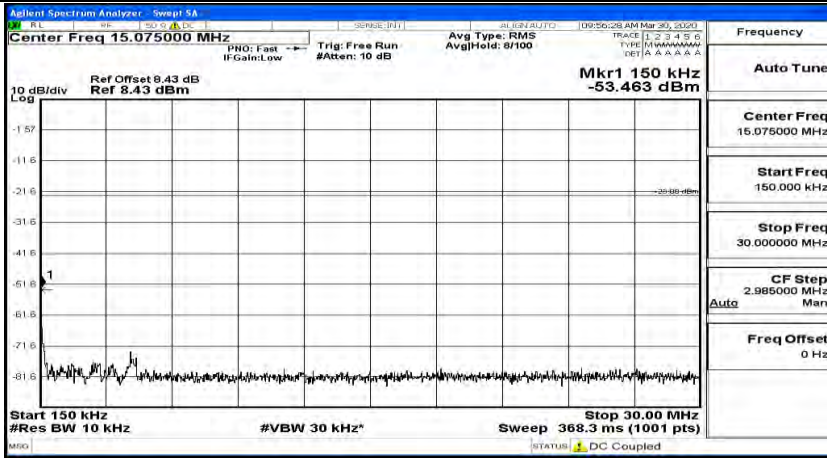
(Channel Bandwidth: 3 MHz)\_LCH\_QPSK\_1RB#14



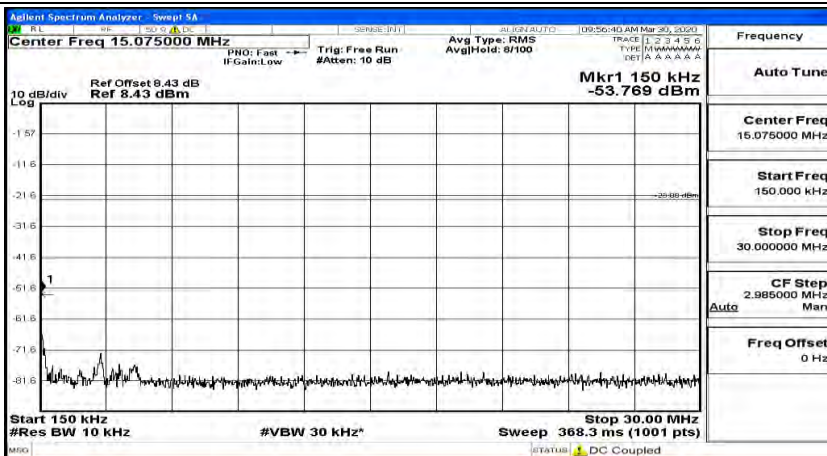
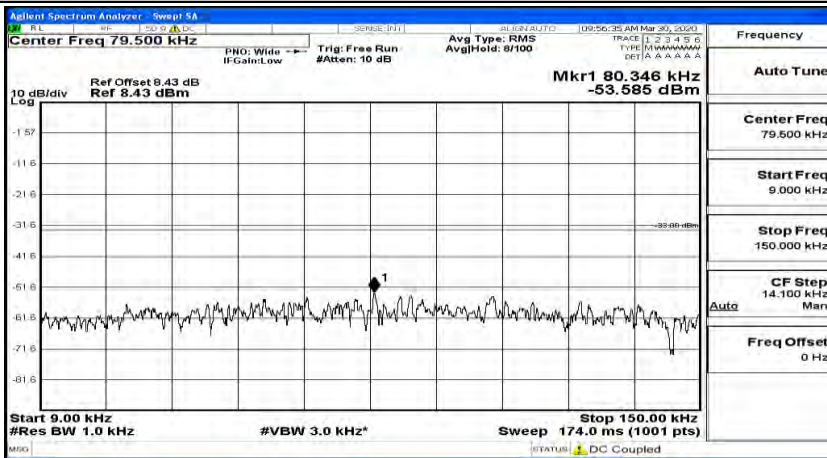


(Channel Bandwidth: 3 MHz)\_MCH\_QPSK\_1RB#0



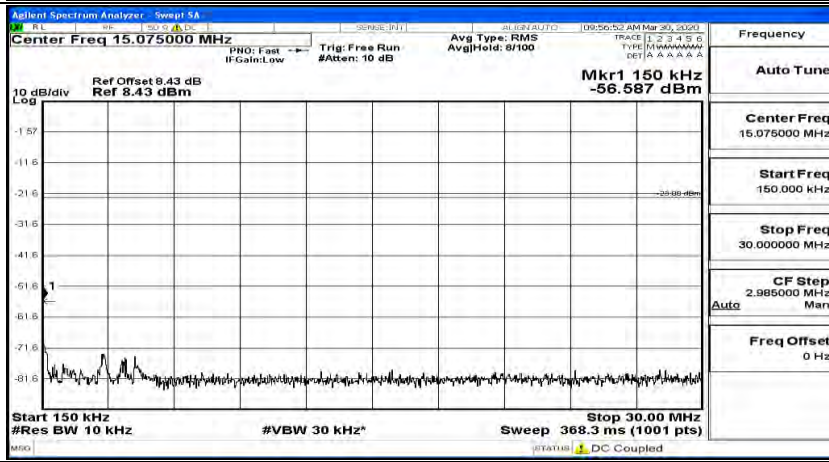
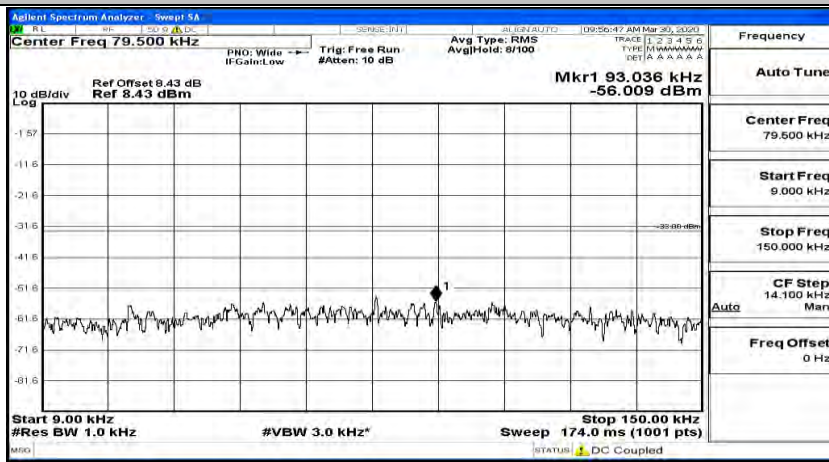


(Channel Bandwidth: 3 MHz) MCH\_QPSK\_1RB#7



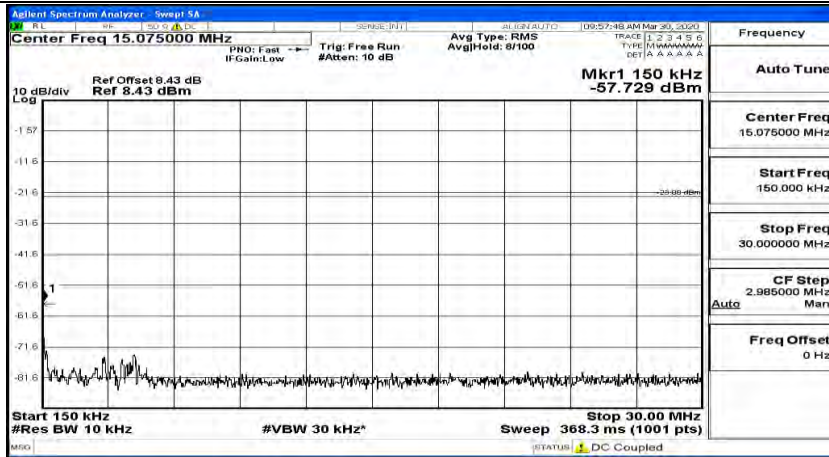
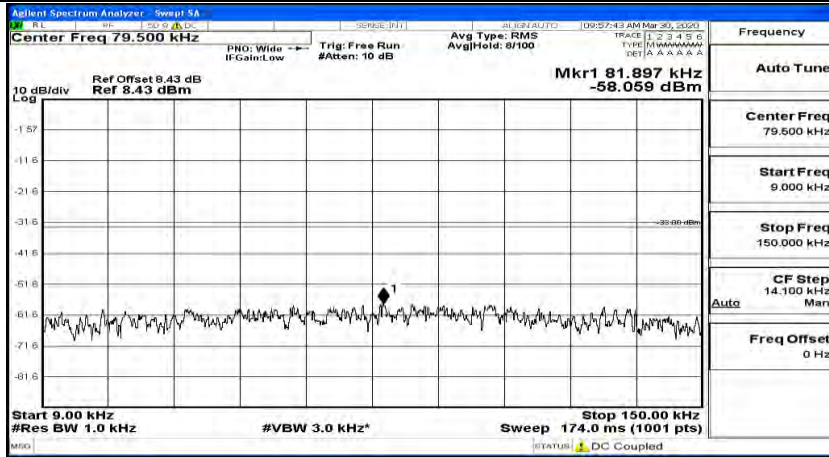


(Channel Bandwidth: 3 MHz)\_MCH\_QPSK\_1RB#14

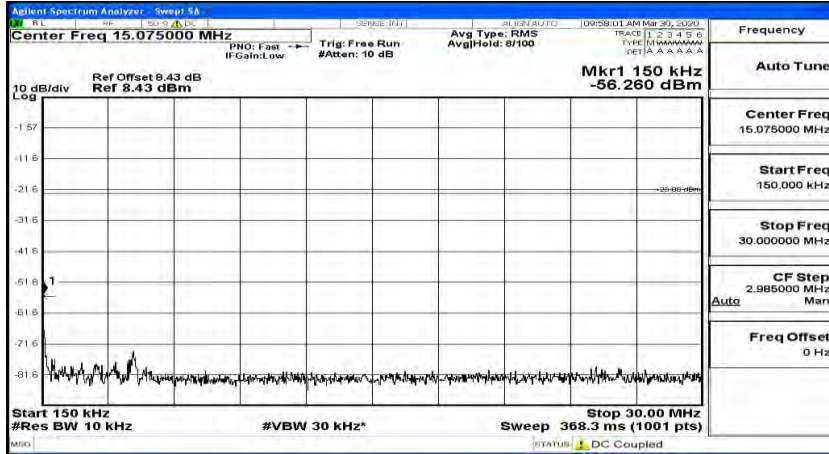
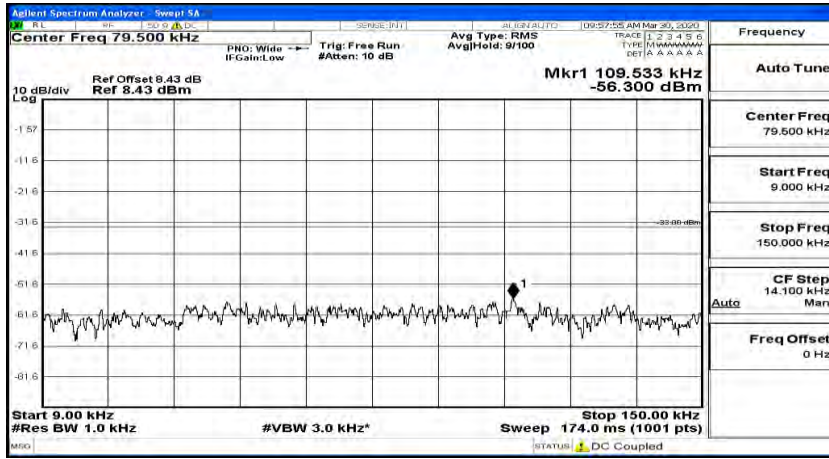




(Channel Bandwidth: 3 MHz)\_HCH\_QPSK\_1RB#0



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



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

