Appendix H: Test Data for E-UTRA Band 5

Product Name: Tablet PC
Trade Mark: Motumation
Test Model: MTab8

Environmental Conditions

Temperature:	24.6° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Li Huan

H.1 Conducted Output Power

Conducted Output Power Test Result (Channel Bandwidth: 1.4 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	22.76	21.97	PASS
		1	3	22.92	22.18	PASS
		1	5	22.74	22.00	PASS
		3	0	22.84	21.85	PASS
		3	2	22.92	21.93	PASS
		3	3	22.89	21.88	PASS
		6	0	21.86	20.98	PASS
	MCH	1	0	23.54	22.68	PASS
		1	3	23.64	22.88	PASS
		1	5	23.66	22.71	PASS
		3	0	23.62	22.63	PASS
		3	2	23.64	22.65	PASS
		3	3	23.62	22.62	PASS
		6	0	22.66	21.59	PASS
	HCH	1	0	23.50	22.82	PASS
		1	3	23.61	22.96	PASS
		1	5	23.45	22.78	PASS
		3	0	23.63	22.52	PASS
		3	2	23.58	22.54	PASS
		3	3	23.55	22.51	PASS
		6	0	22.58	21.51	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	22.74	22.01	PASS
		1	7	23.04	22.24	PASS
		1	14	22.87	22.09	PASS
		8	0	21.84	20.92	PASS
		8	4	21.90	20.98	PASS
		8	7	21.89	20.93	PASS
		15	0	21.82	20.81	PASS
	MCH	1	0	23.51	22.85	PASS
		1	7	23.78	23.10	PASS
		1	14	23.68	22.98	PASS
		8	0	22.61	21.58	PASS
		8	4	22.70	21.63	PASS
		8	7	22.70	21.64	PASS
		15	0	22.60	21.56	PASS
	HCH	1	0	23.66	22.91	PASS
		1	7	23.85	23.04	PASS
		1	14	23.49	22.69	PASS
		8	0	22.62	21.57	PASS
		8	4	22.62	21.61	PASS
		8	7	22.56	21.51	PASS
		15	0	22.57	21.55	PASS

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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	22.73	21.98	PASS
		1	12	23.14	22.32	PASS
		1	24	22.94	22.16	PASS
		12	0	21.75	20.80	PASS
		12	6	21.92	20.94	PASS
		12	13	21.89	20.89	PASS
		25	0	21.85	20.81	PASS
	MCH	1	0	23.42	22.61	PASS
		1	12	23.90	23.01	PASS
		1	24	23.62	22.75	PASS
		12	0	22.50	21.56	PASS
		12	6	22.67	21.71	PASS
		12	13	22.66	21.65	PASS
		25	0	22.58	21.61	PASS
	HCH	1	0	23.76	22.86	PASS
		1	12	23.97	23.06	PASS
		1	24	23.48	22.62	PASS
		12	0	22.68	21.66	PASS
		12	6	22.69	21.66	PASS
		12	13	22.59	21.56	PASS
		25	0	22.59	21.64	PASS

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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	22.77	22.06	PASS
		1	24	23.17	22.42	PASS
		1	49	23.38	22.64	PASS
		25	0	21.97	20.98	PASS
		25	12	22.04	21.06	PASS
		25	25	22.16	21.20	PASS
		50	0	22.05	21.04	PASS
	MCH	1	0	23.26	22.67	PASS
		1	24	23.78	23.06	PASS
		1	49	23.70	23.03	PASS
		25	0	22.54	21.57	PASS
		25	12	22.62	21.63	PASS
		25	25	22.68	21.70	PASS
		50	0	22.57	21.57	PASS
	HCH	1	0	23.83	23.03	PASS
		1	24	23.95	23.19	PASS
		1	49	23.53	22.74	PASS
		25	0	22.99	21.96	PASS
		25	12	22.78	21.86	PASS
		25	25	22.74	21.77	PASS
		50	0	22.87	21.90	PASS

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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	4.93	<13	PASS
	MCH	4.59	<13	PASS
	HCH	4.8	<13	PASS
16QAM	LCH	5.82	<13	PASS
	MCH	5.46	<13	PASS
	HCH	5.77	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.05	<13	PASS
	MCH	4.85	<13	PASS
	HCH	5.03	<13	PASS
16QAM	LCH	5.91	<13	PASS
	MCH	5.64	<13	PASS
	HCH	5.83	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.08	<13	PASS
	MCH	4.85	<13	PASS
	HCH	5.15	<13	PASS
16QAM	LCH	5.73	<13	PASS
	MCH	5.68	<13	PASS
	HCH	5.85	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.27	<13	PASS
	MCH	5.14	<13	PASS
	HCH	5.17	<13	PASS
16QAM	LCH	5.97	<13	PASS
	MCH	5.89	<13	PASS
	HCH	5.95	<13	PASS

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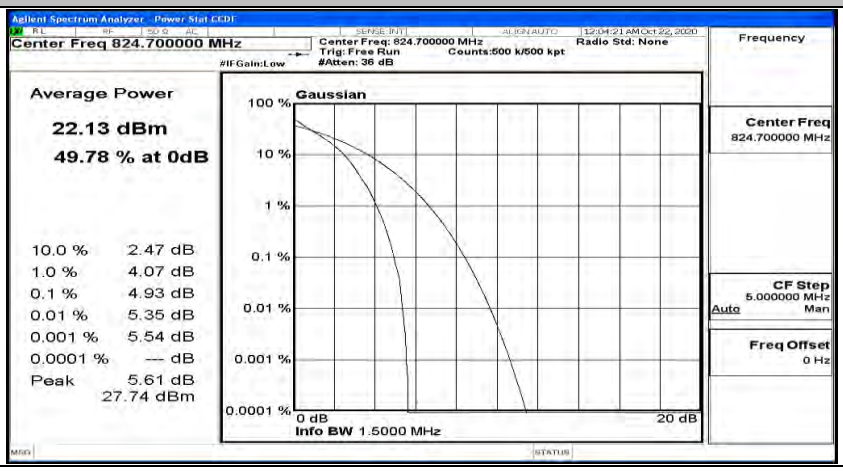
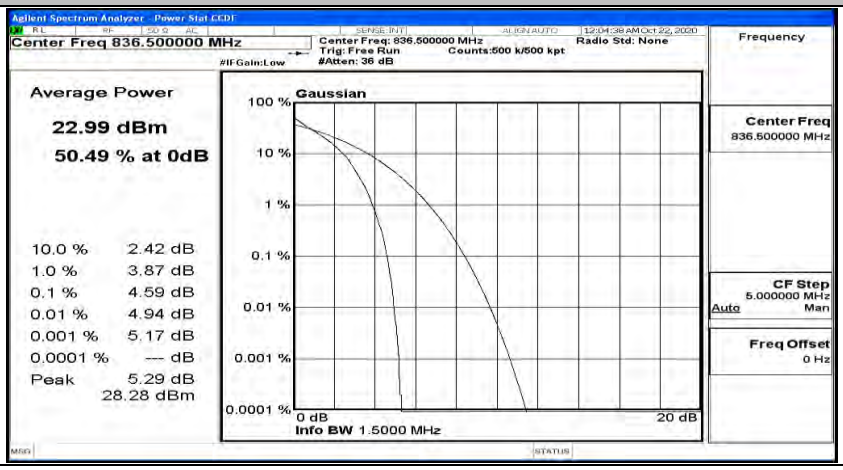
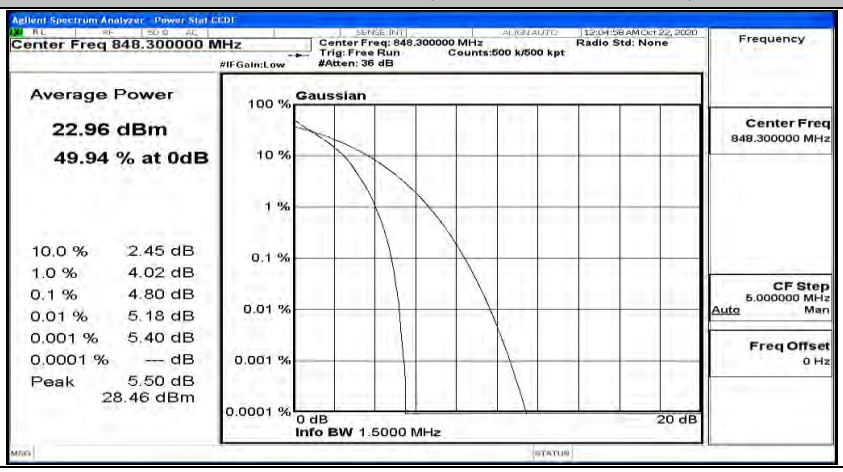
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



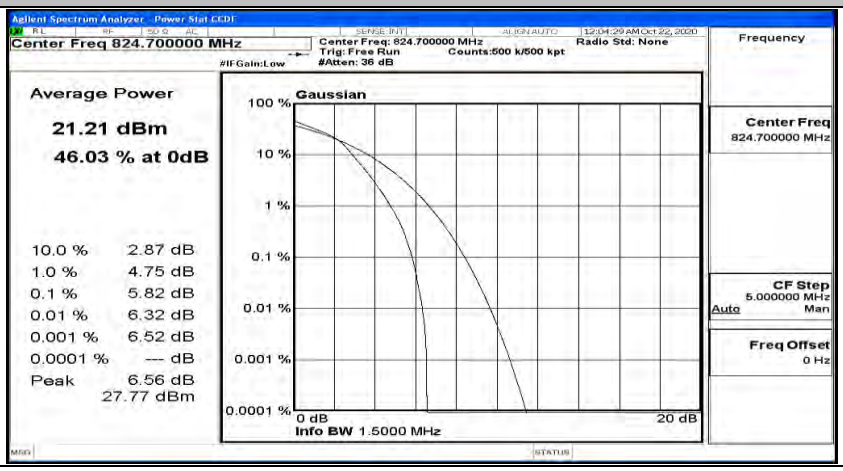
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



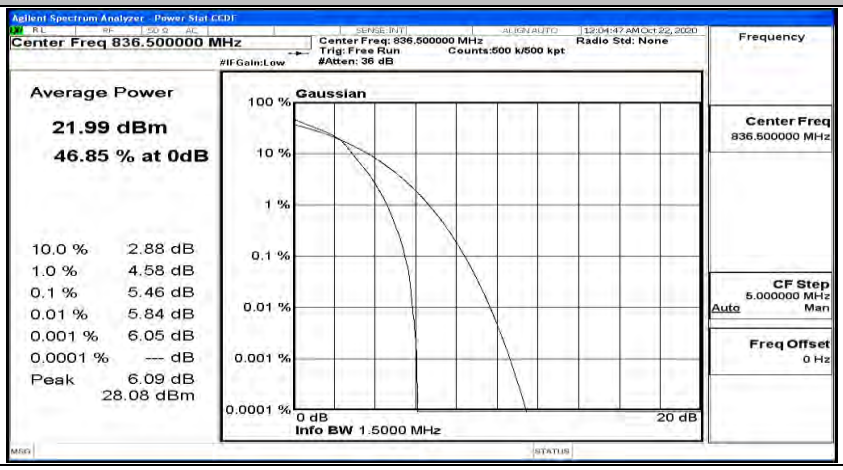
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



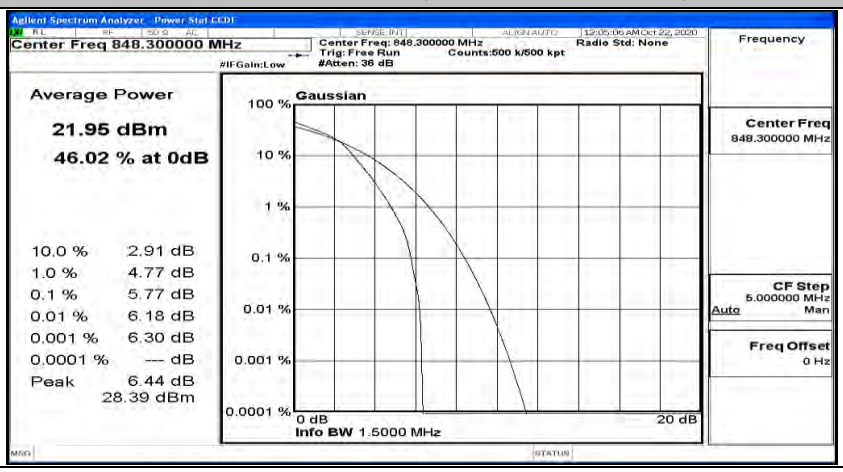
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



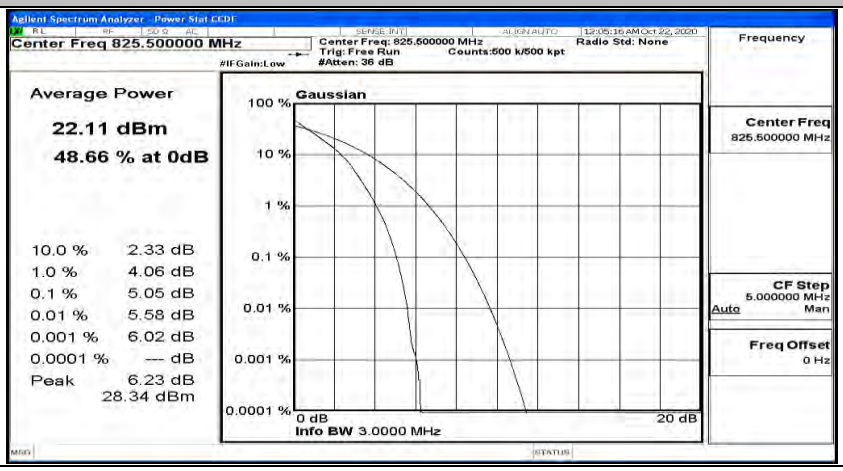
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



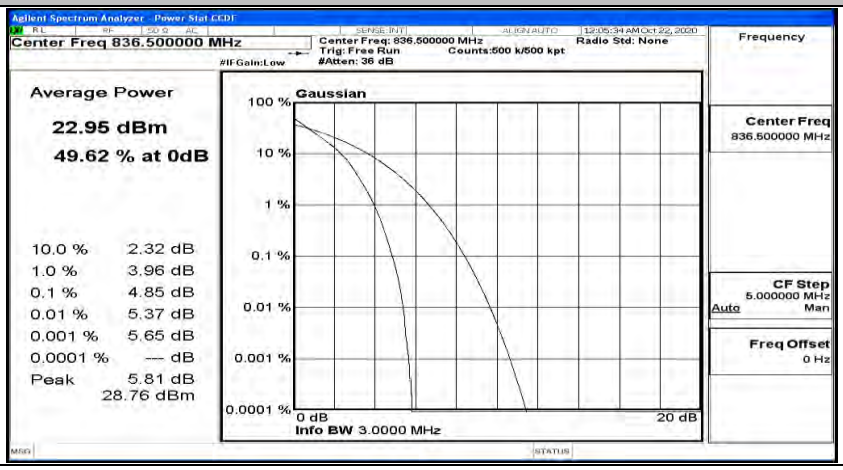
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



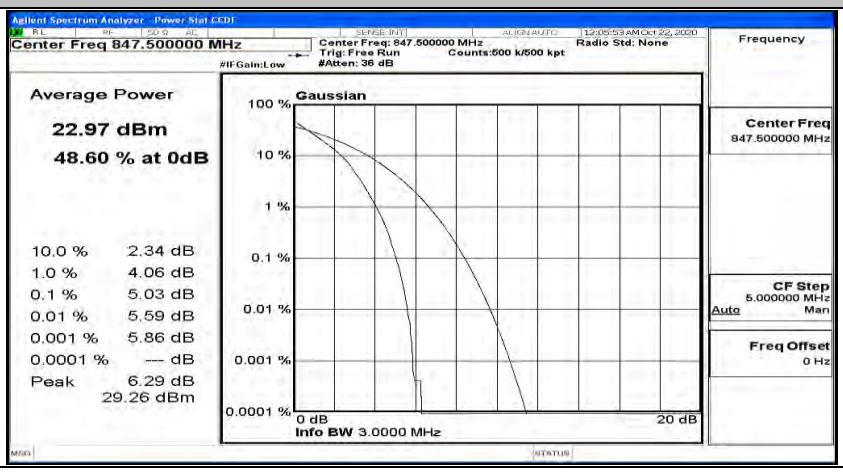
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



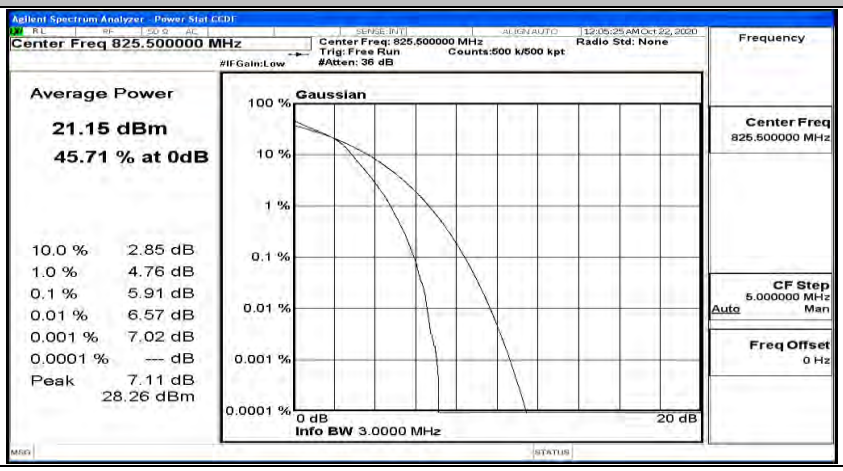
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



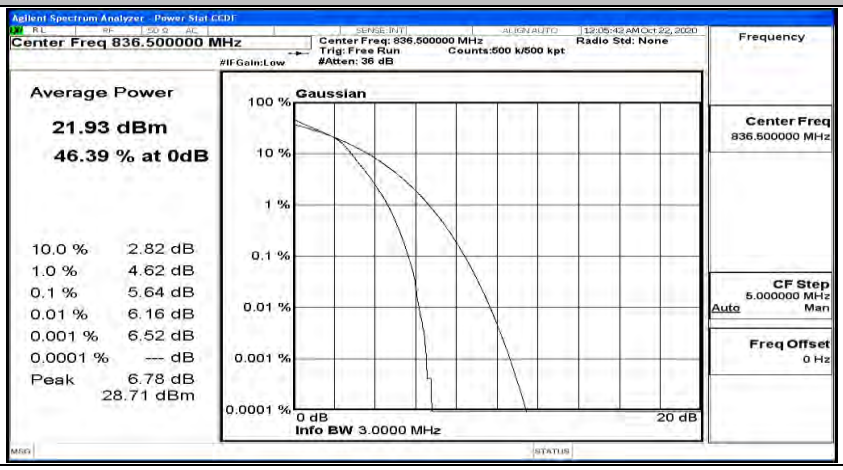
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



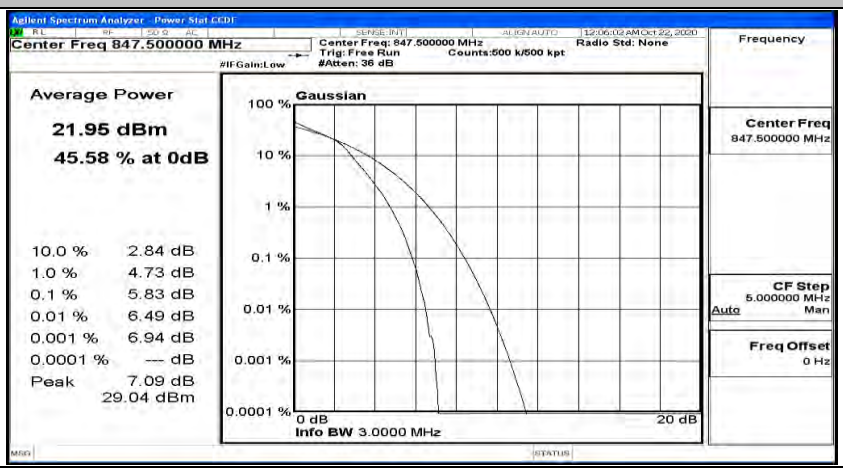
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



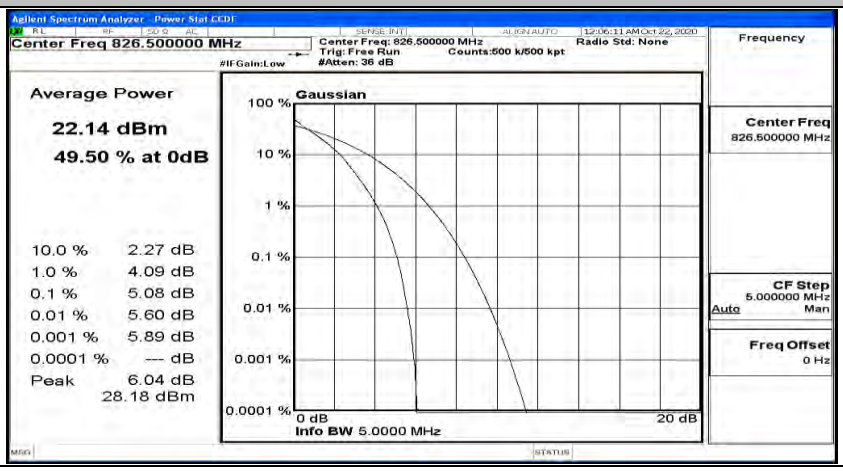
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



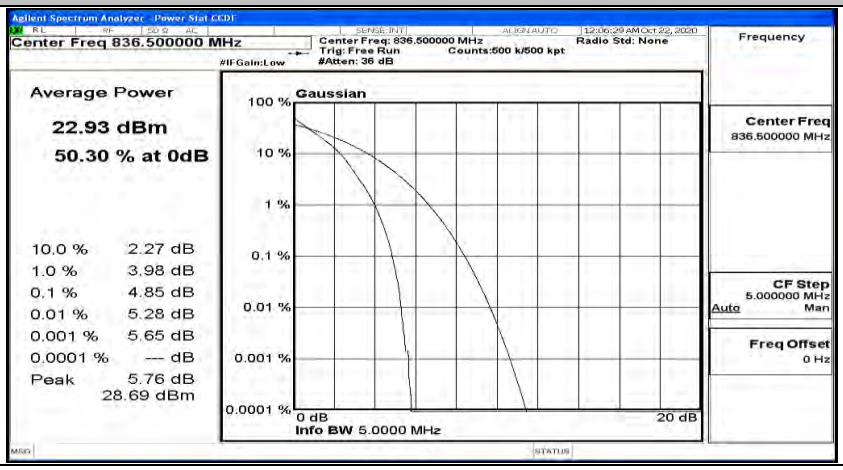
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



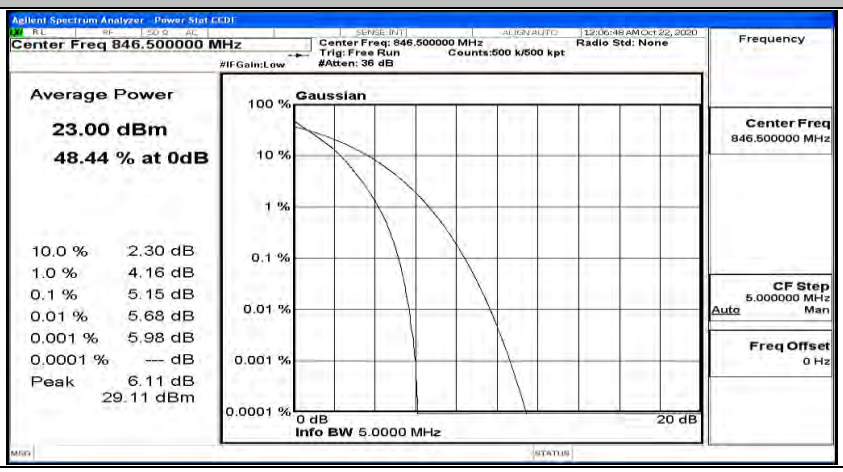
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



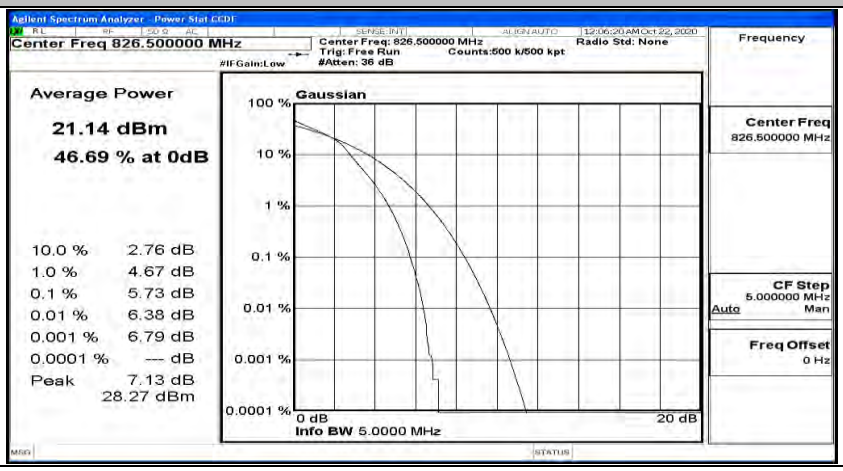
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



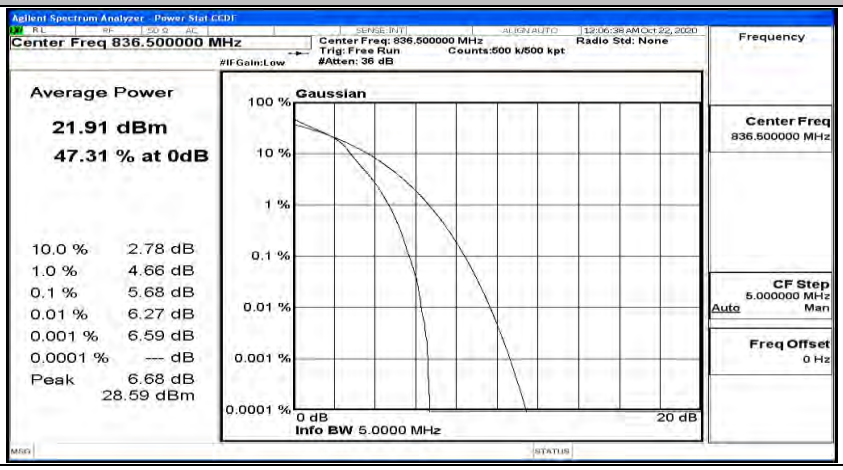
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



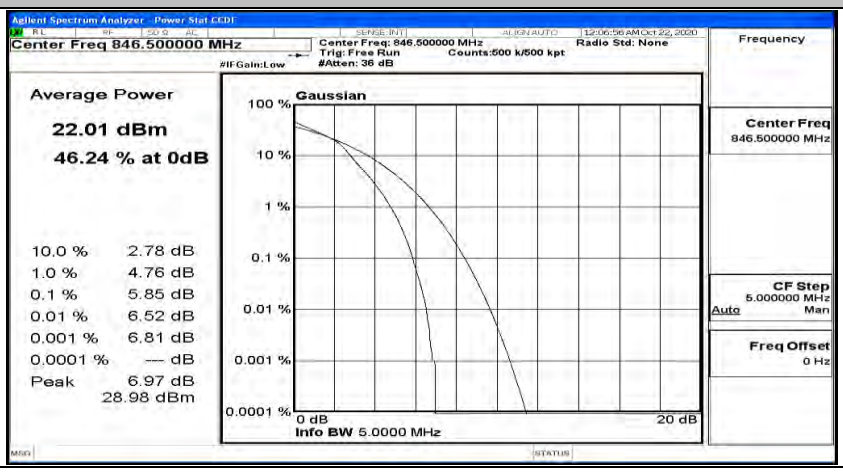
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



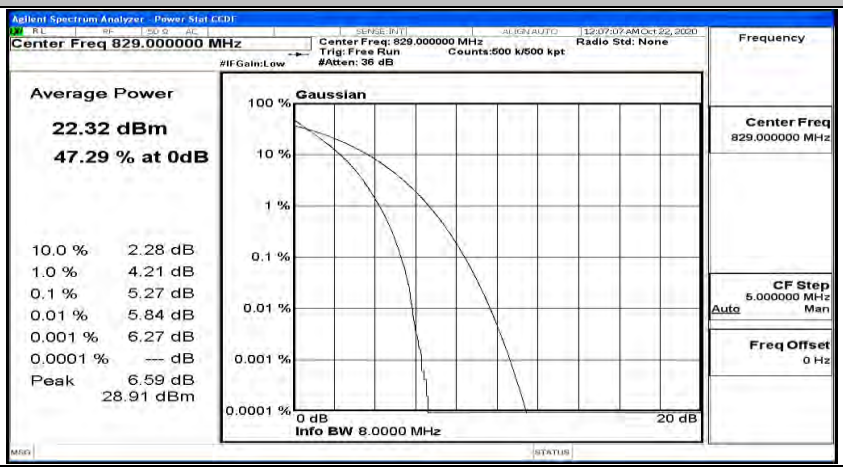
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



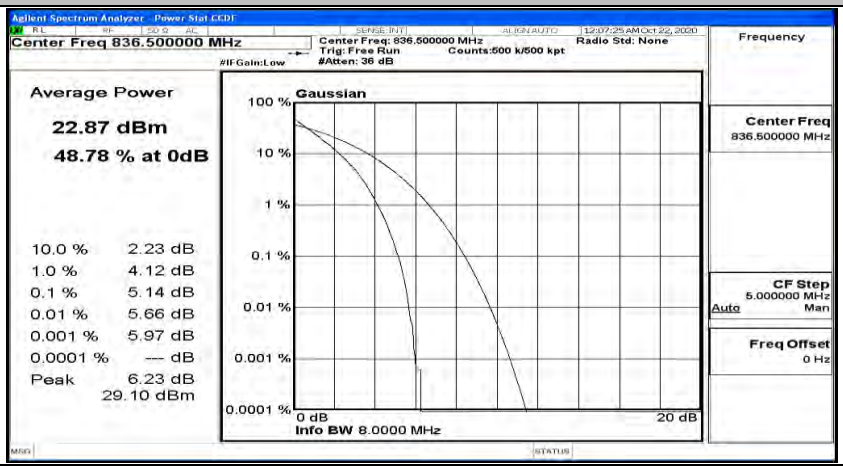
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



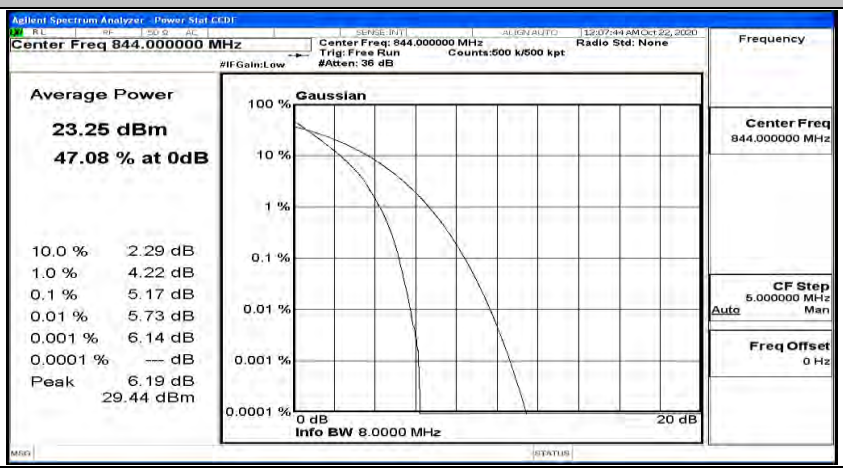
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



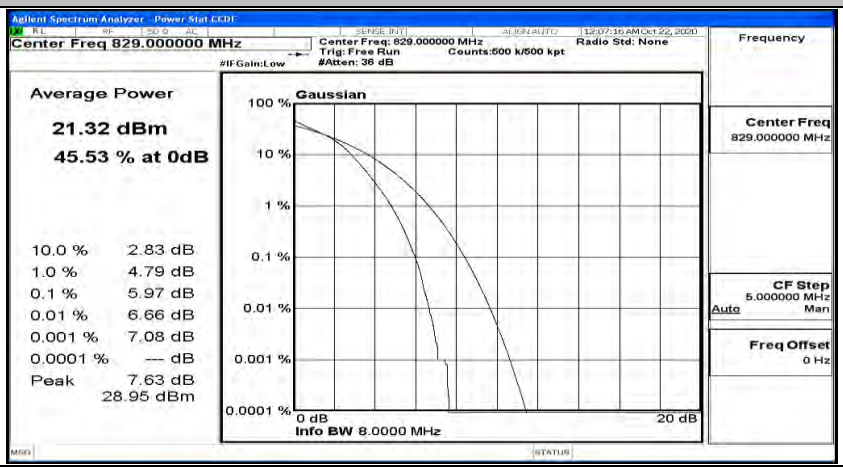
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



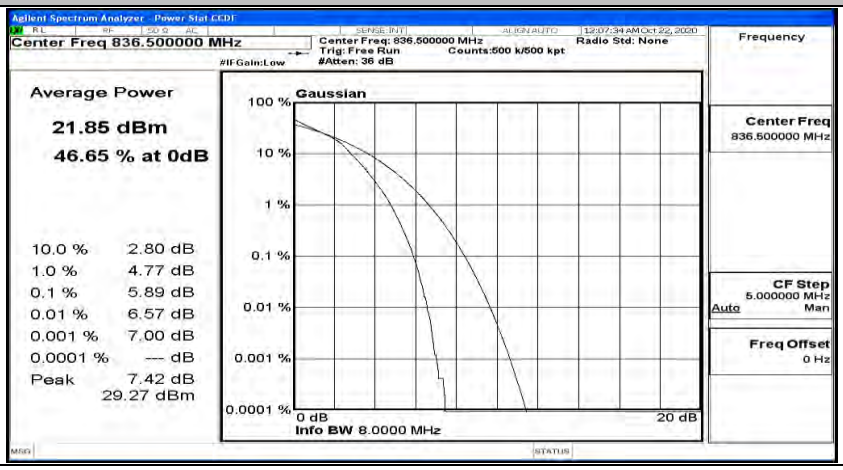
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



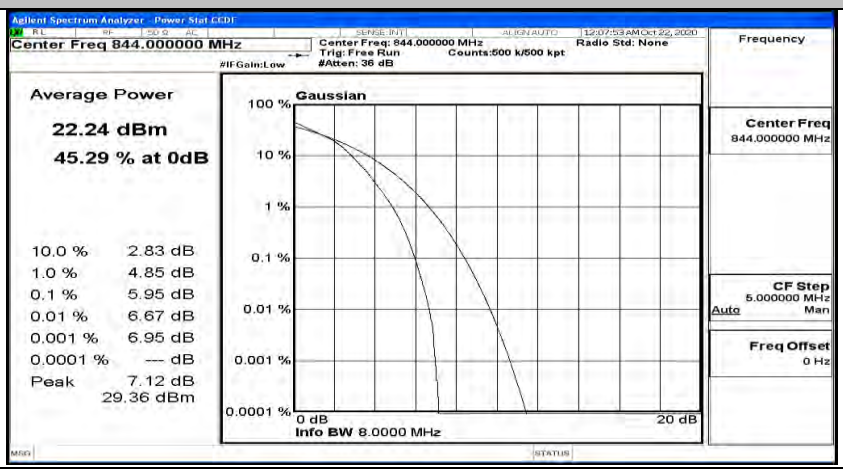
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



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



H.3 26dB Bandwidth and Occupied Bandwidth

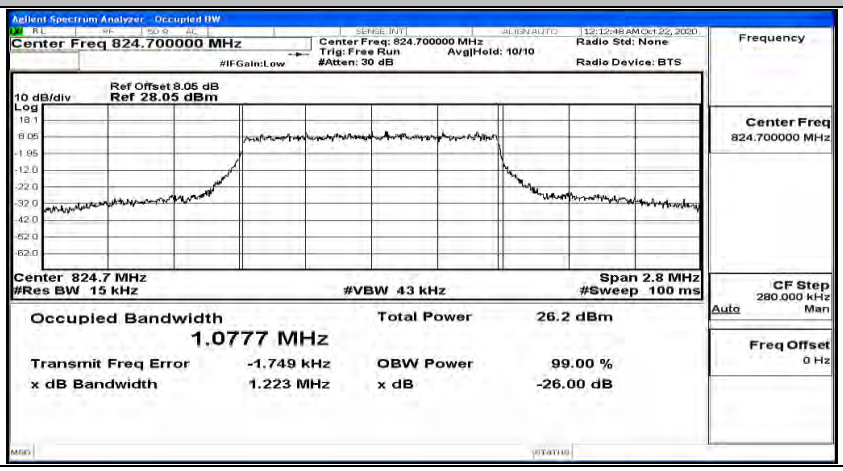
EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	1.0777	1.223	PASS
	MCH	1.0766	1.243	PASS
	HCH	1.0784	1.231	PASS
16QAM	LCH	1.0770	1.231	PASS
	MCH	1.0806	1.239	PASS
	HCH	1.0782	1.236	PASS

EBW & OBW Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	2.6805	2.838	PASS
	MCH	2.6809	2.831	PASS
	HCH	2.6778	2.817	PASS
16QAM	LCH	2.6833	2.831	PASS
	MCH	2.6835	2.846	PASS
	HCH	2.6740	2.839	PASS

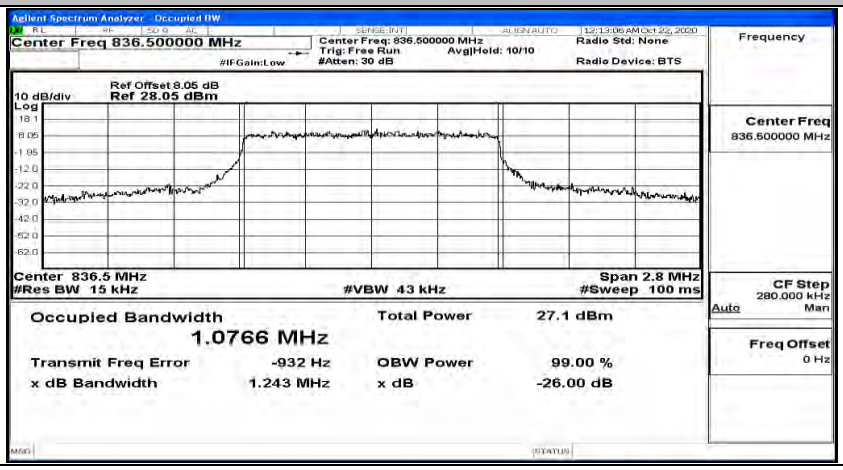
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4691	4.731	PASS
	MCH	4.4673	4.722	PASS
	HCH	4.4694	4.741	PASS
16QAM	LCH	4.4830	4.714	PASS
	MCH	4.4720	4.708	PASS
	HCH	4.4686	4.757	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9475	9.375	PASS
	MCH	8.9247	9.351	PASS
	HCH	8.9393	9.413	PASS
16QAM	LCH	8.9397	9.416	PASS
	MCH	8.9457	9.315	PASS
	HCH	8.9362	9.382	PASS

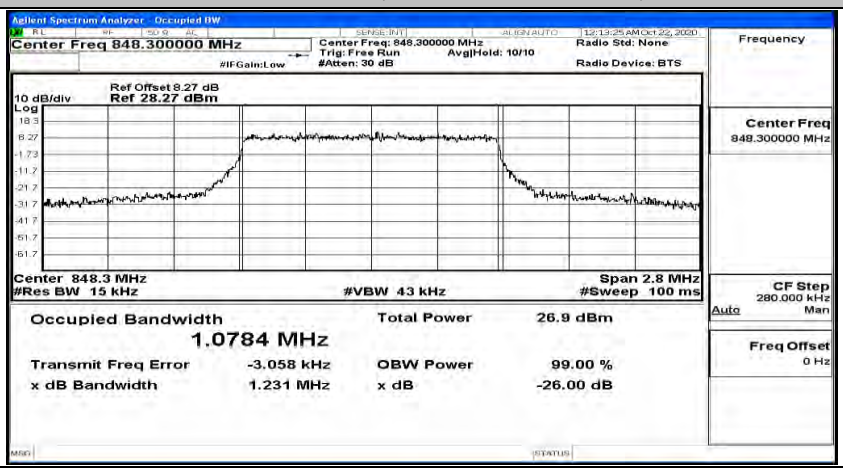
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



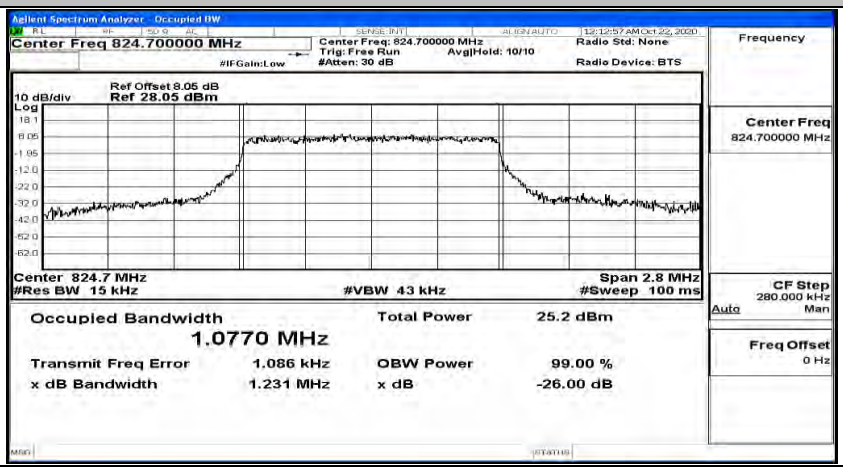
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



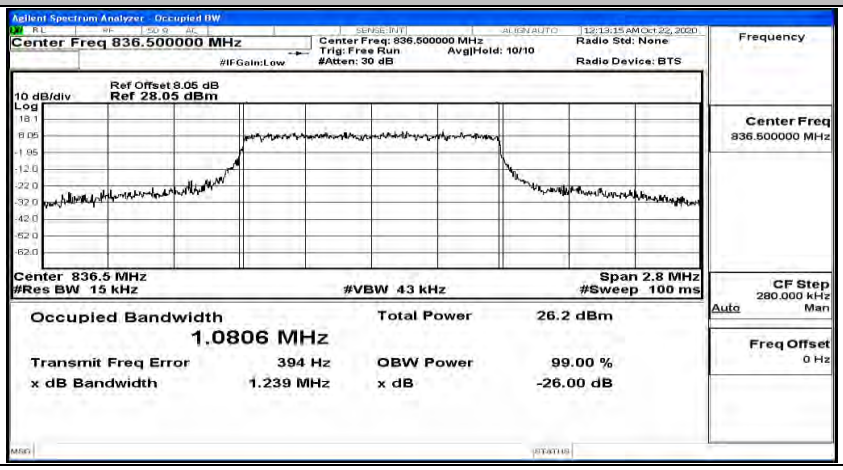
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



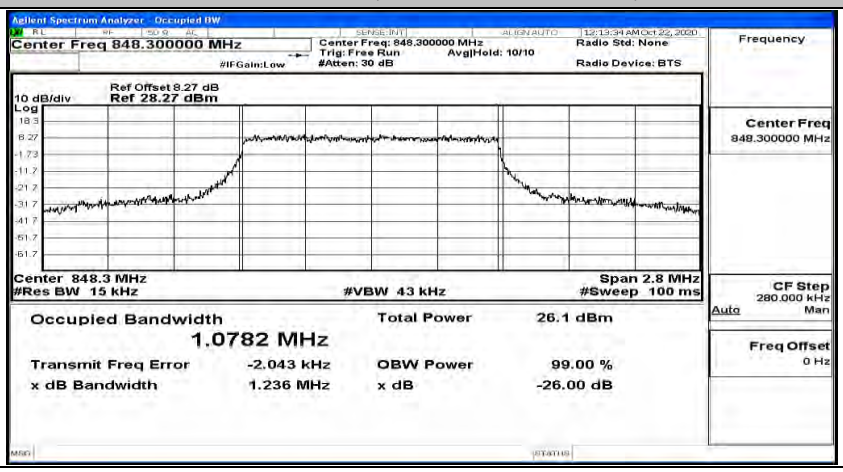
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



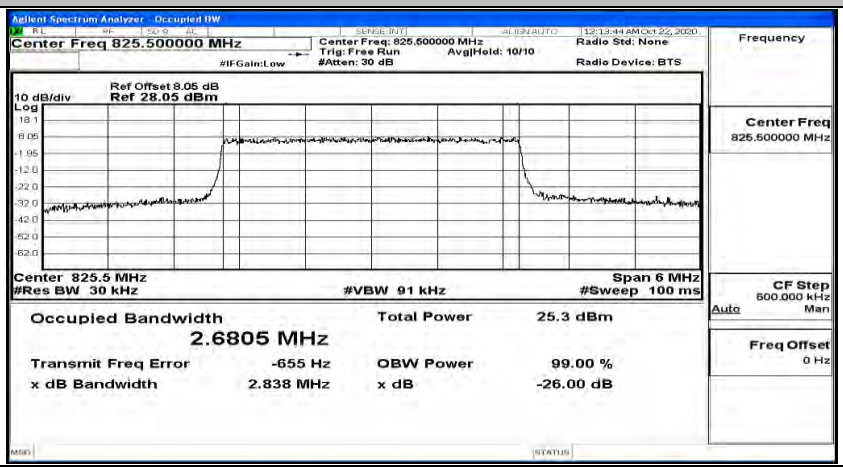
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



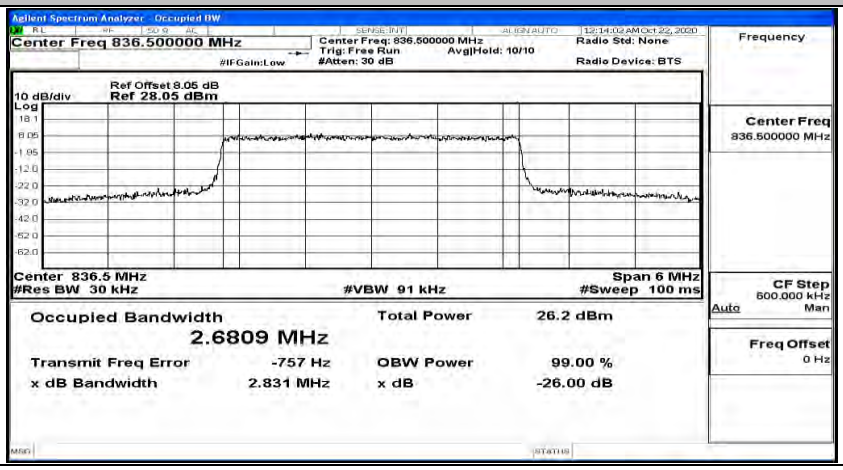
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



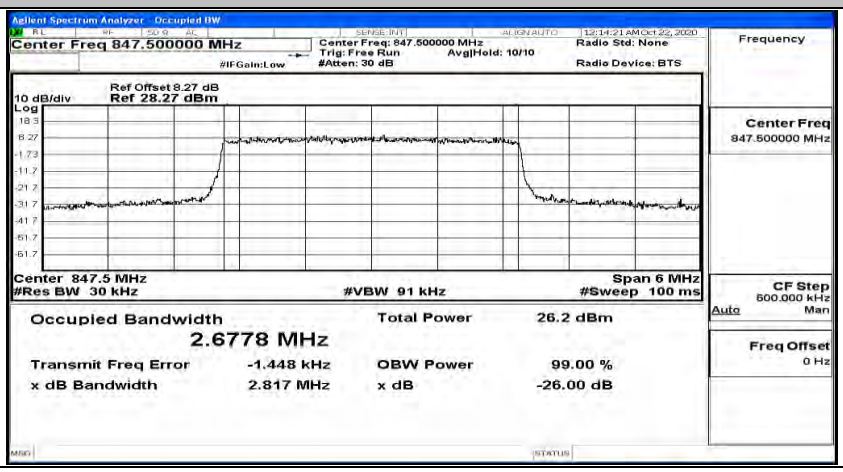
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



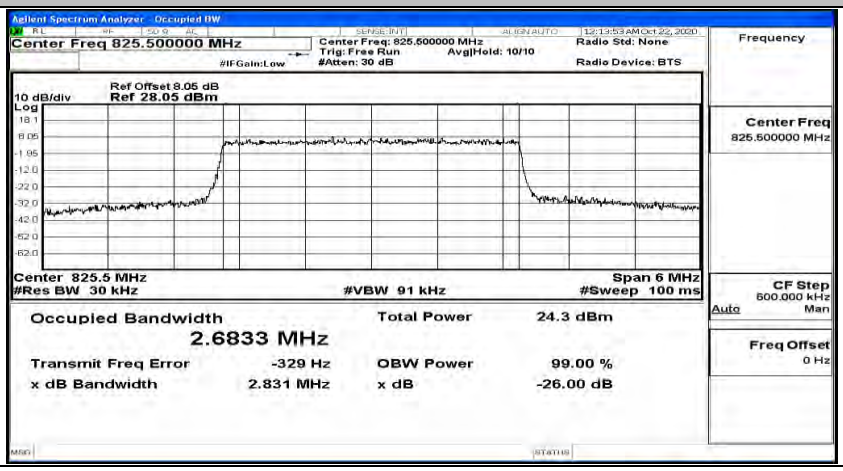
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



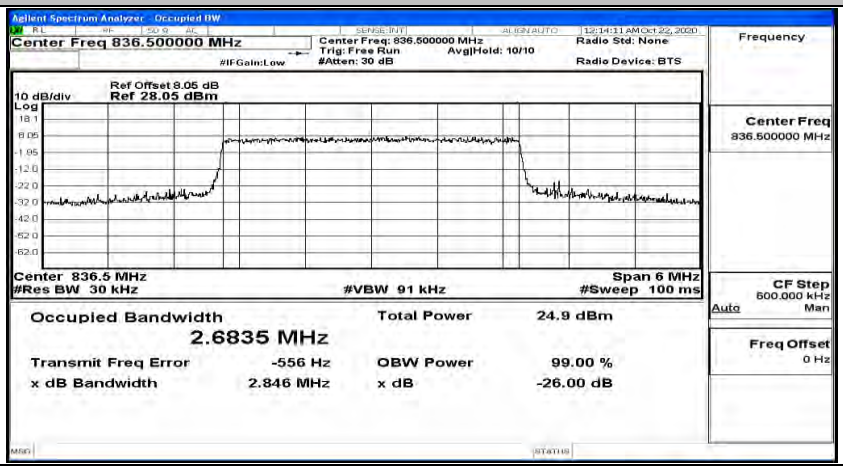
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



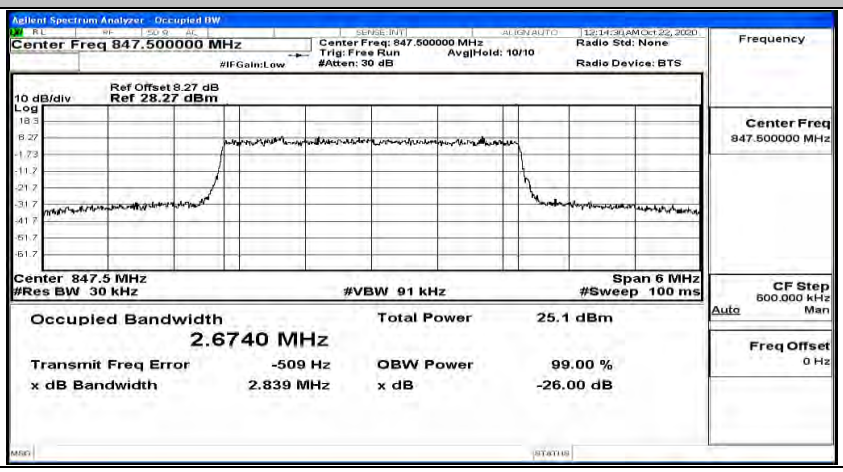
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



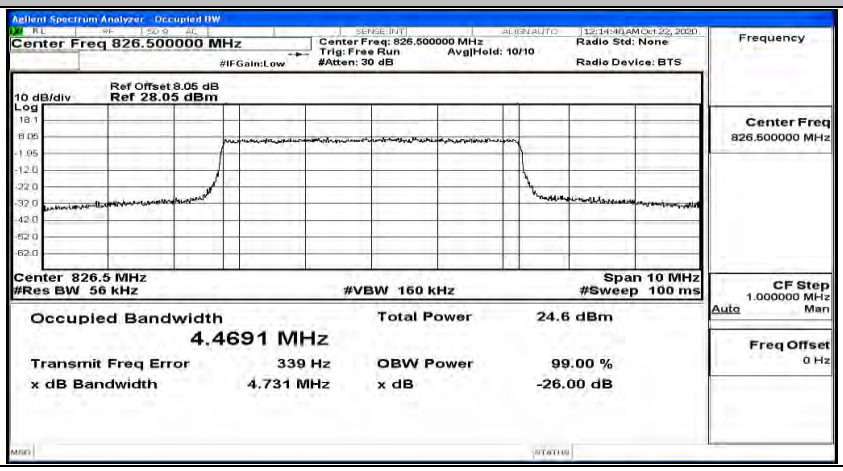
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



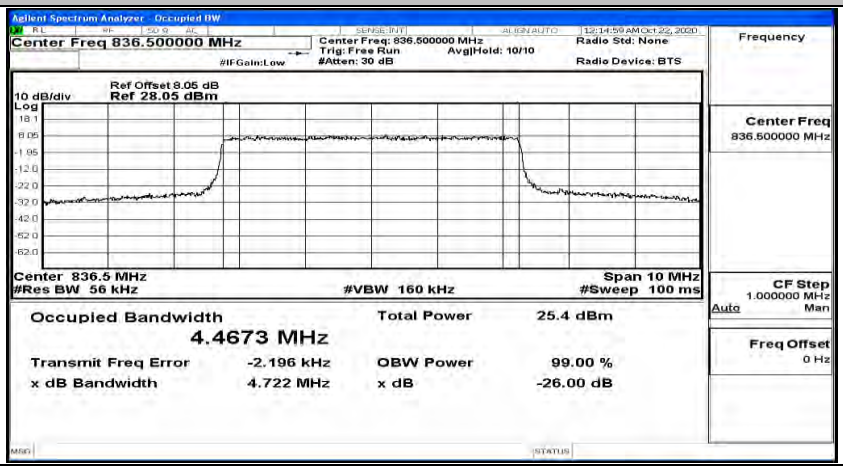
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



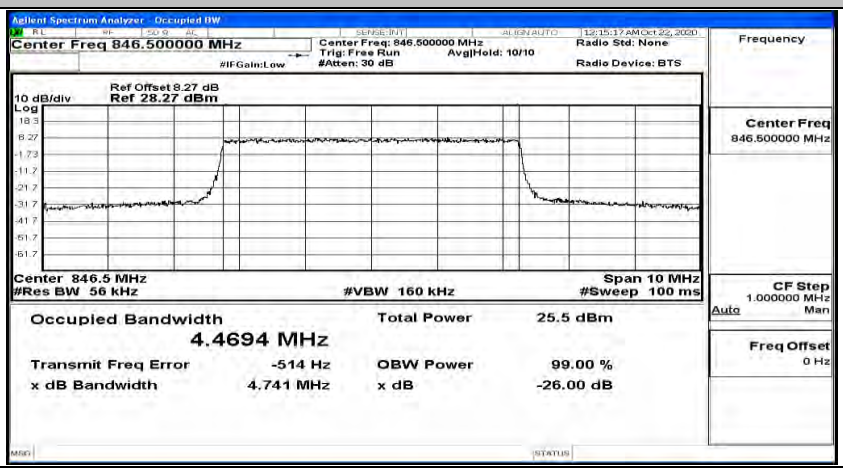
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



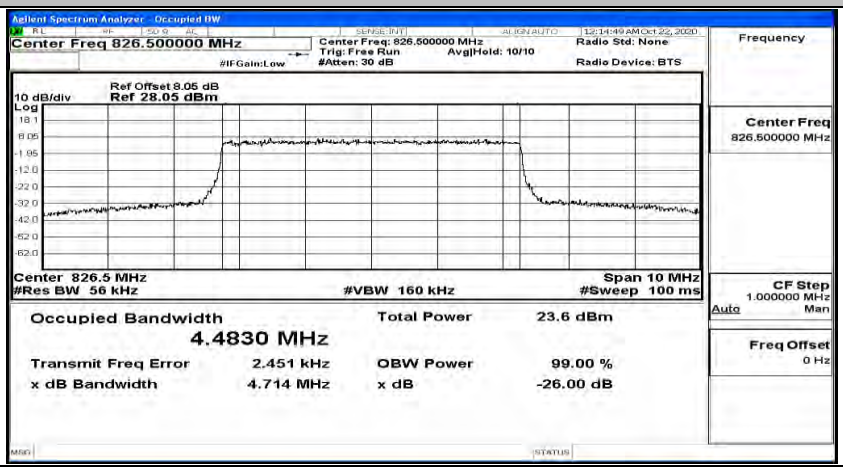
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



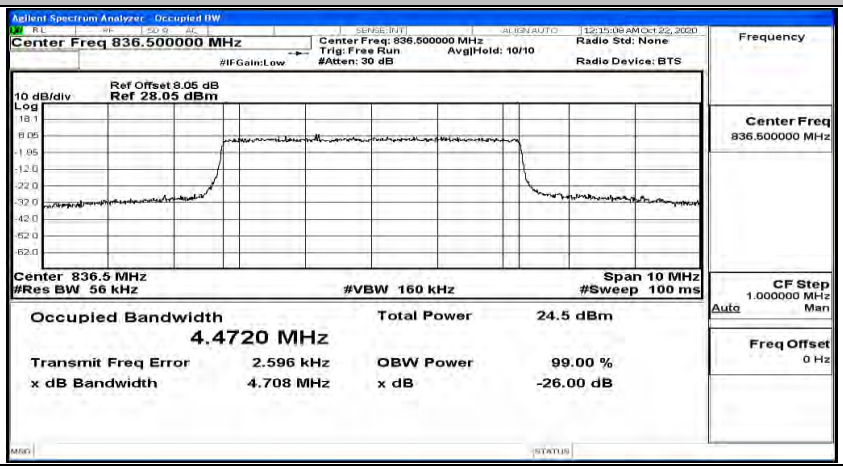
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



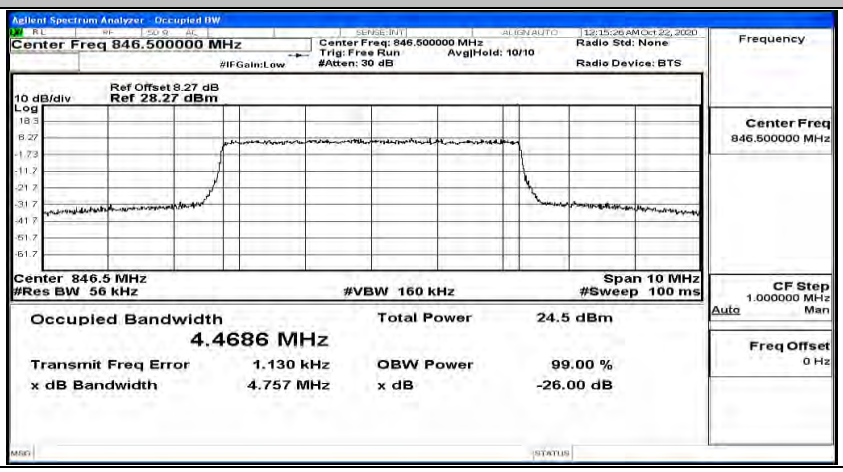
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



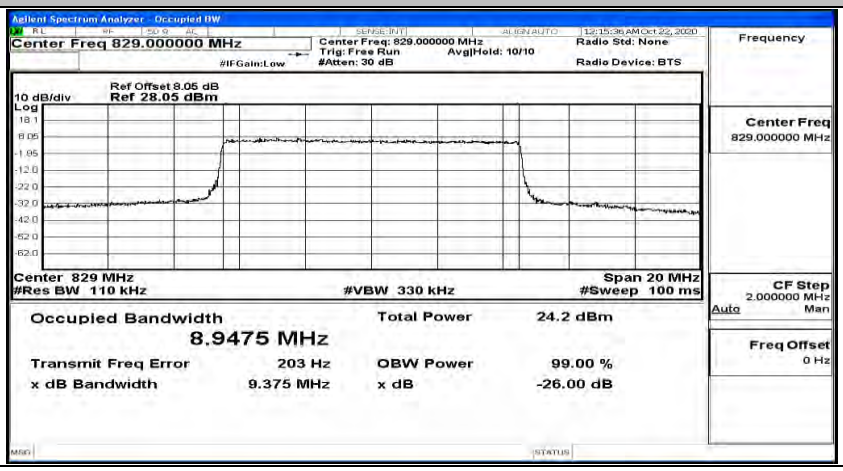
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



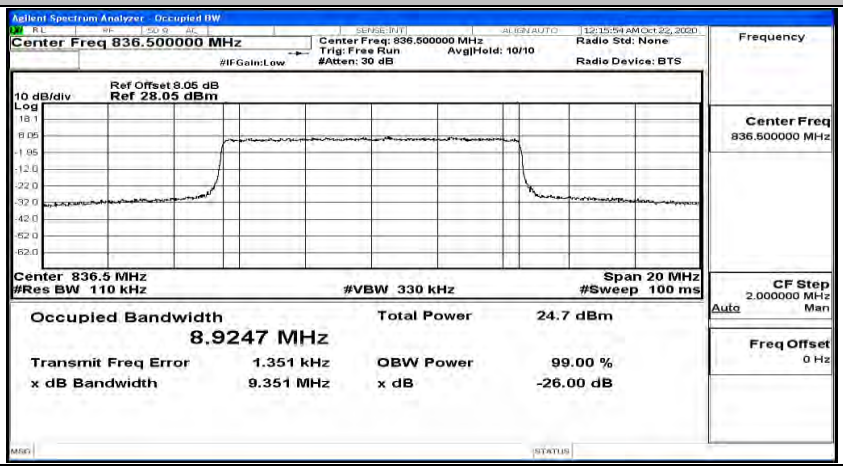
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



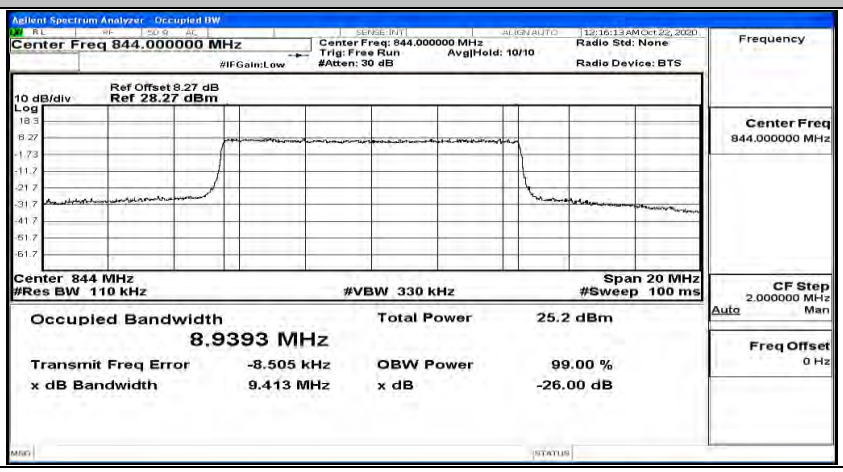
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



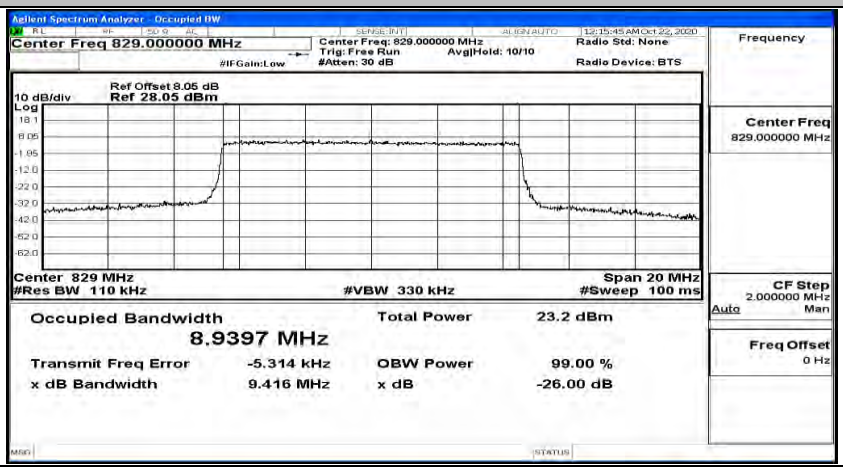
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



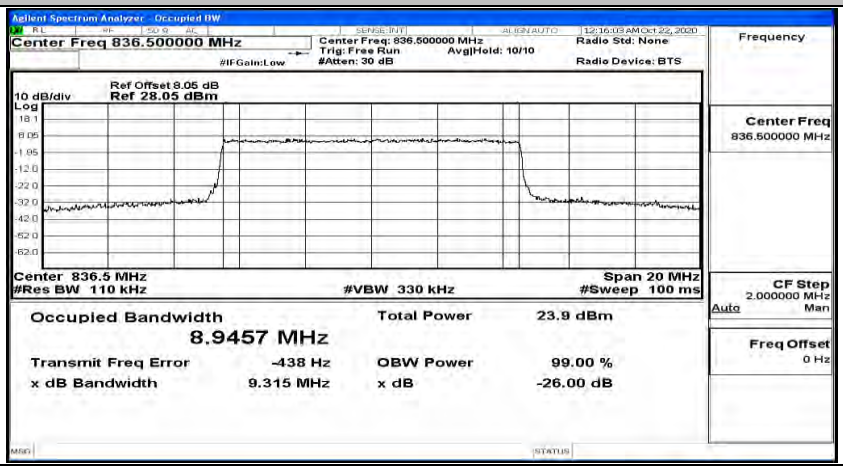
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



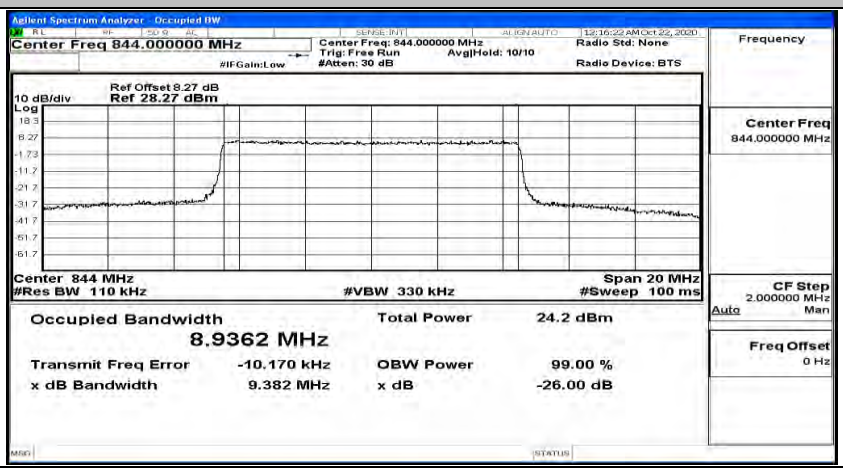
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM

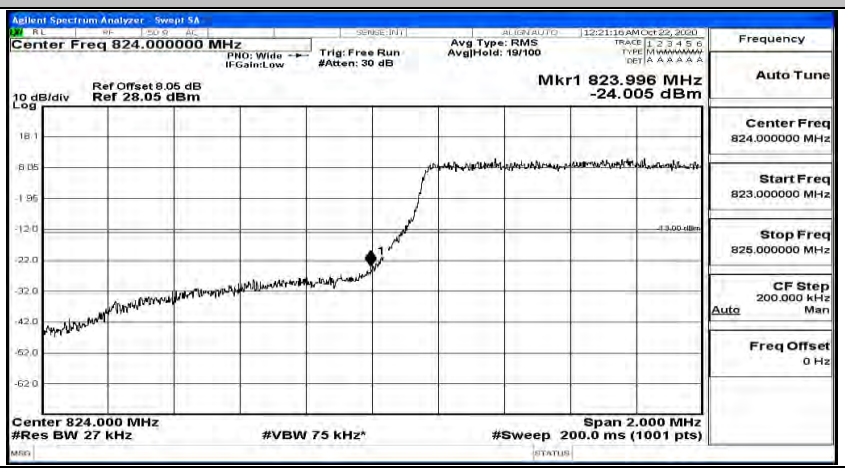


EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM

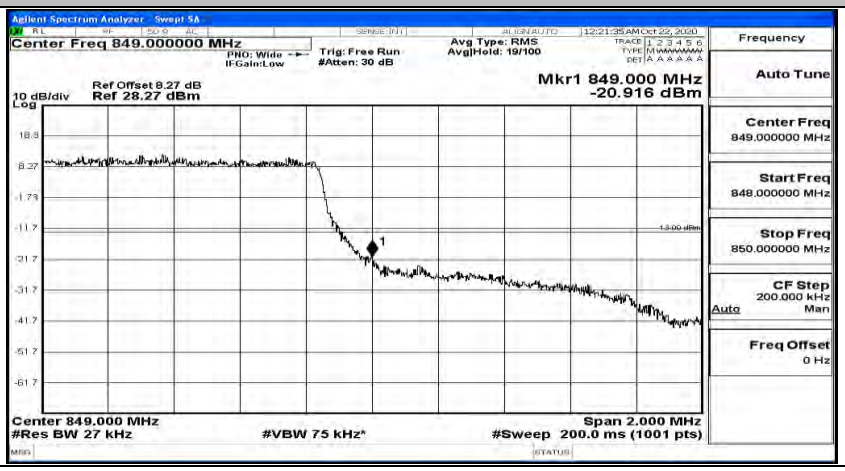


H.4 Band Edge

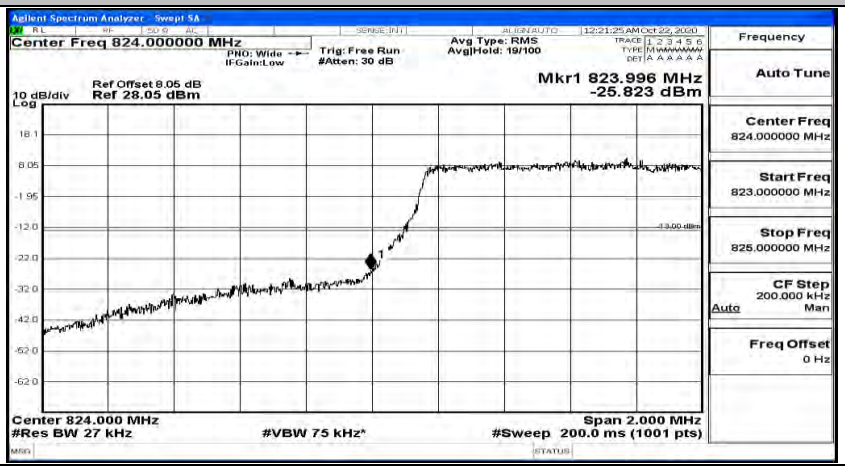
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



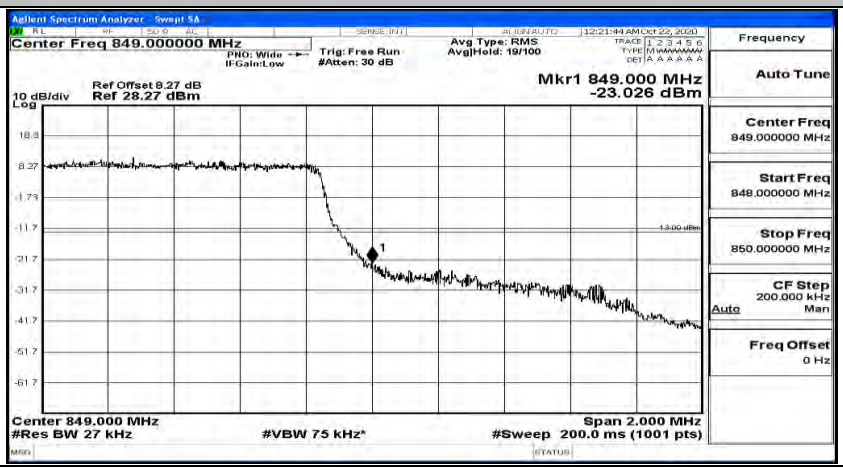
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



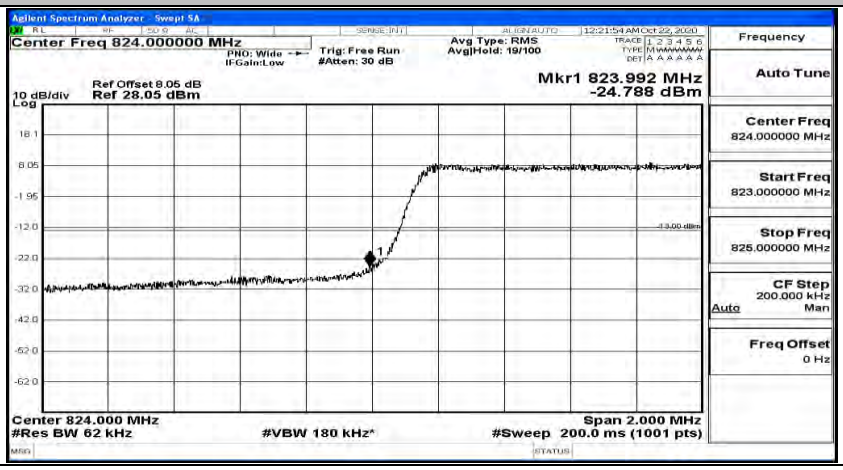
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



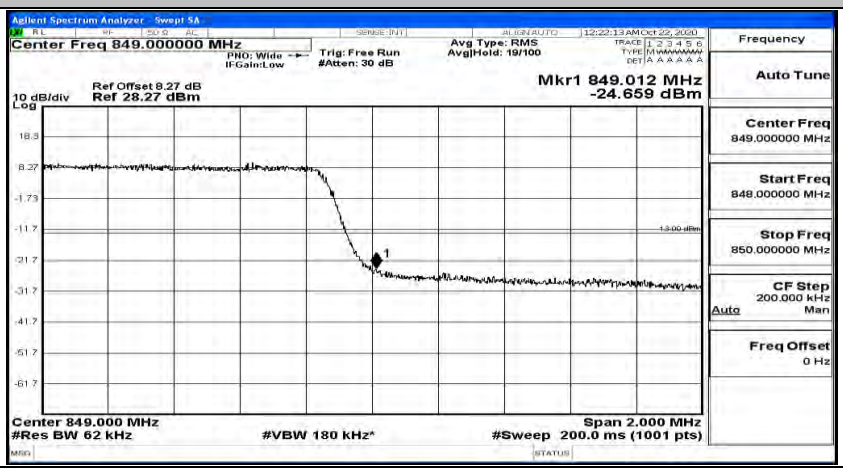
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



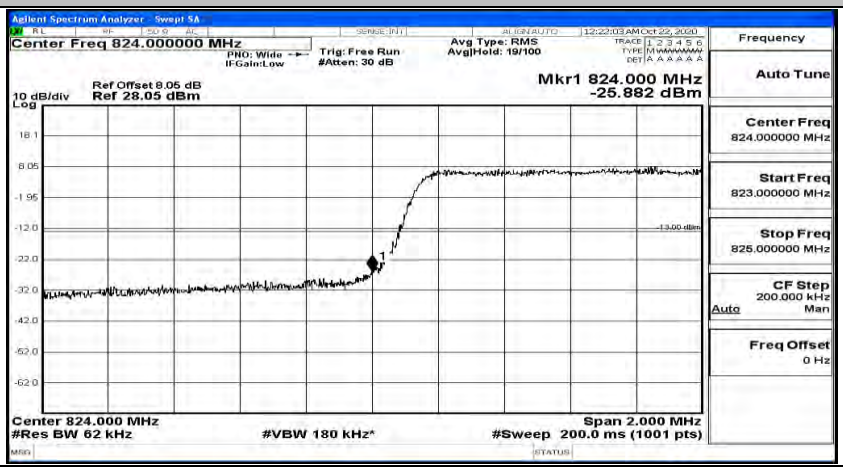
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



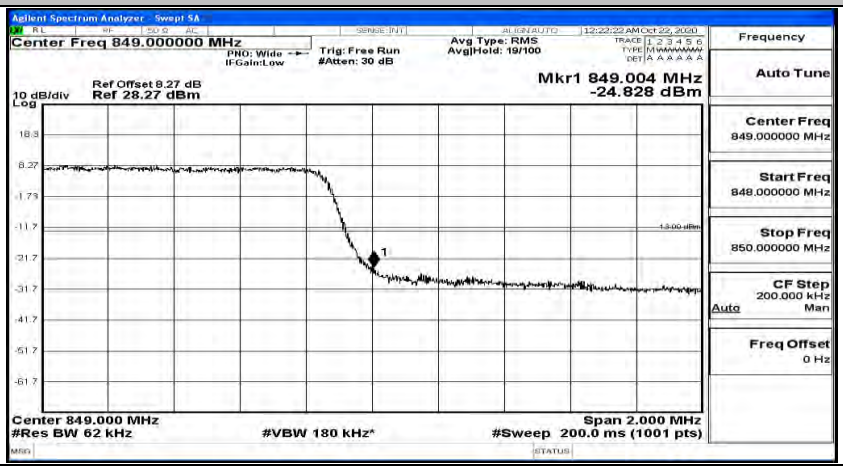
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



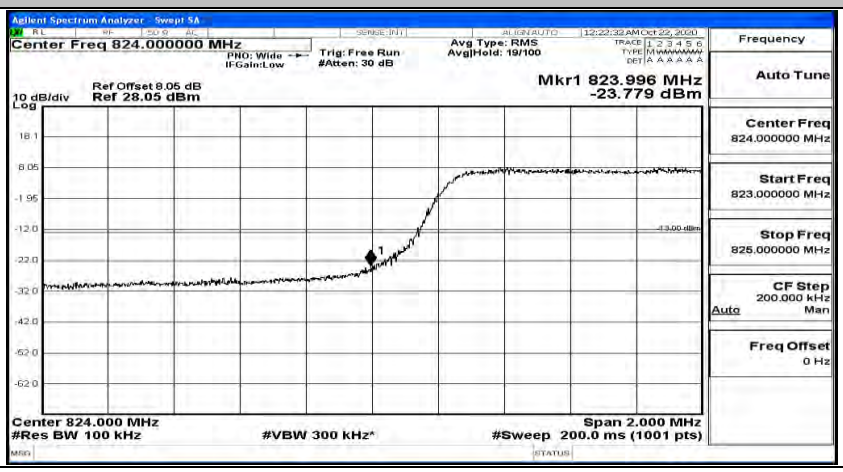
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



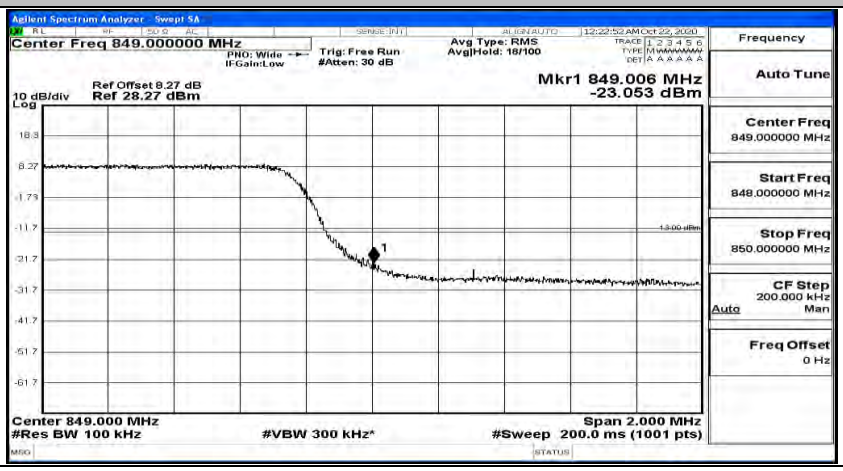
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



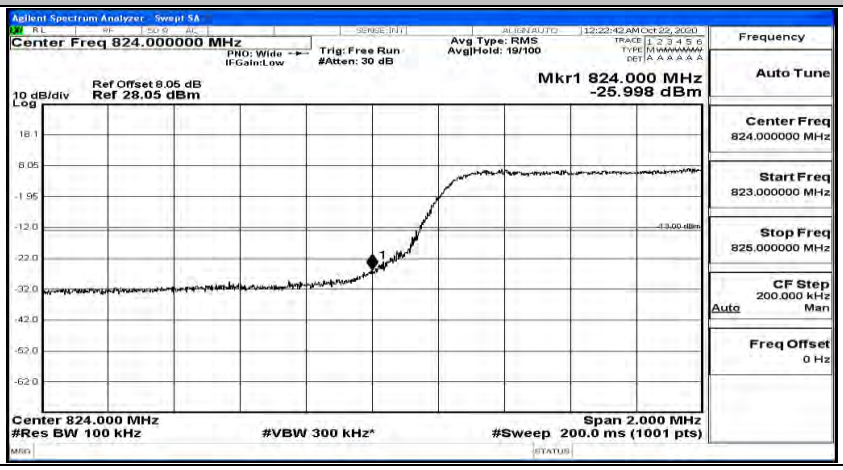
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



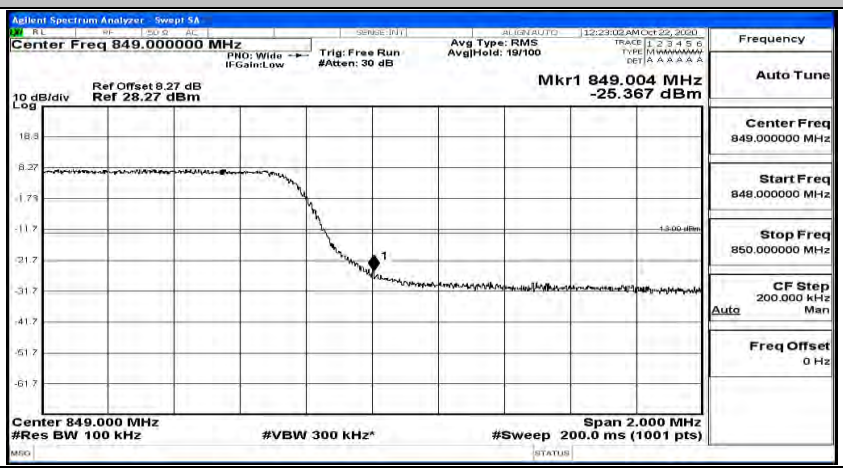
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



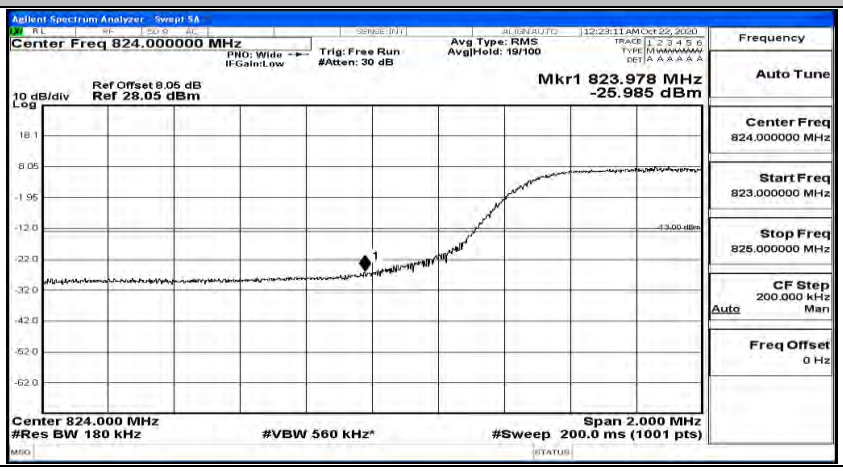
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



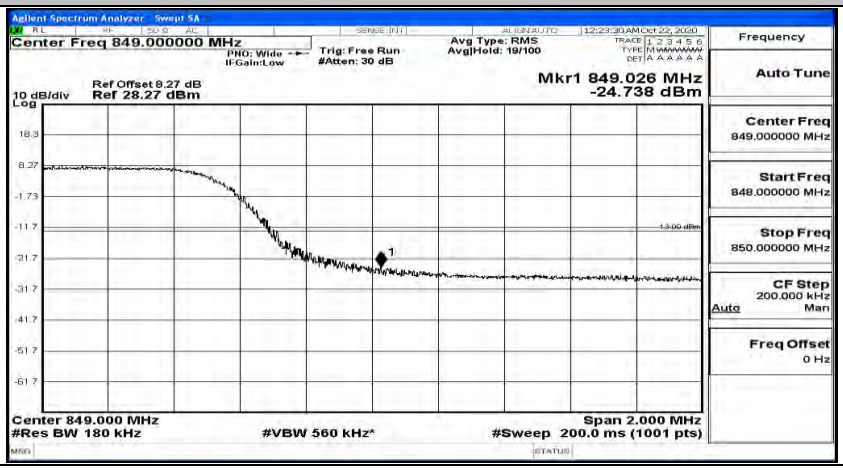
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



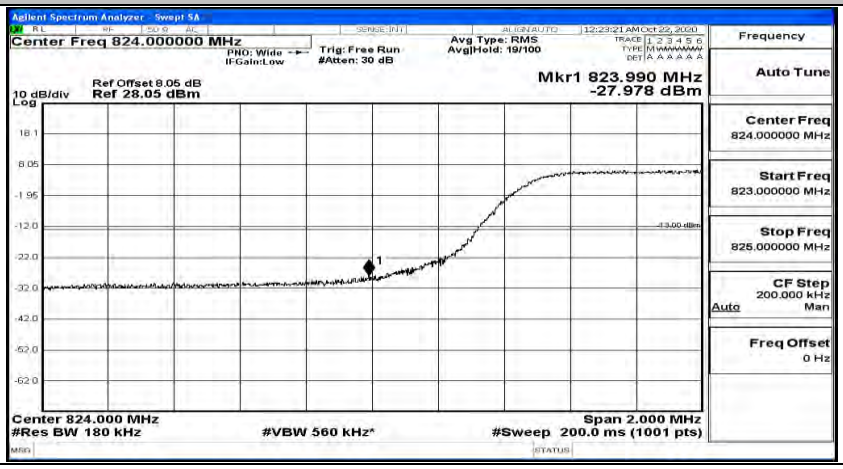
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



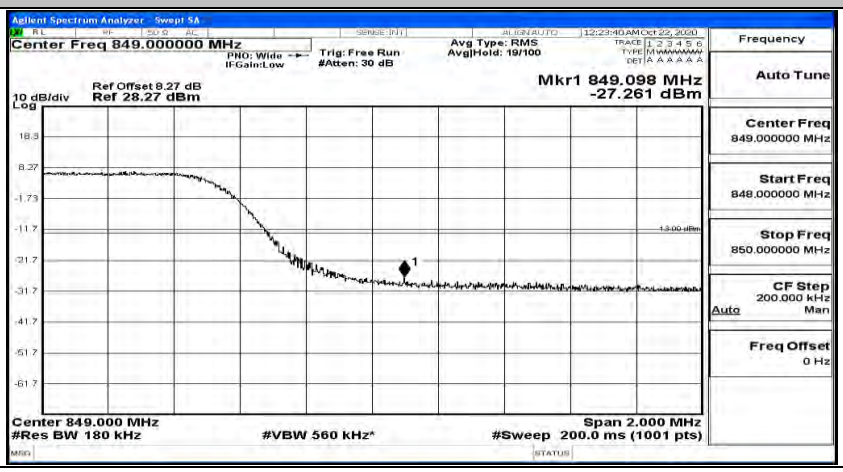
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM

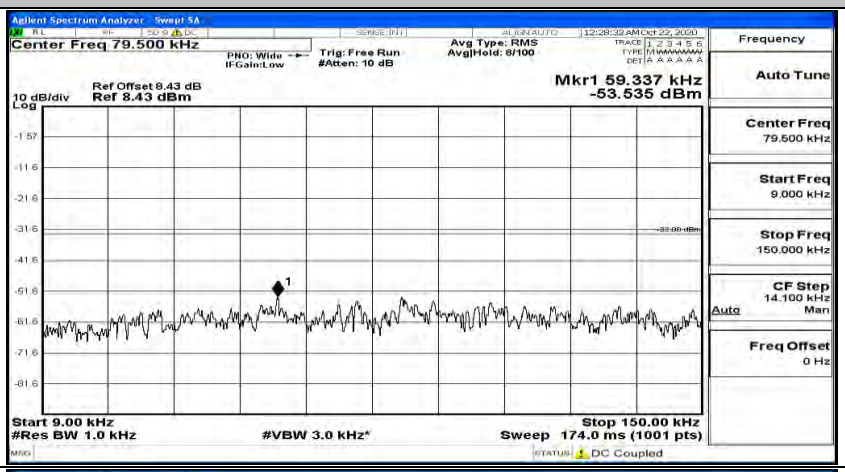


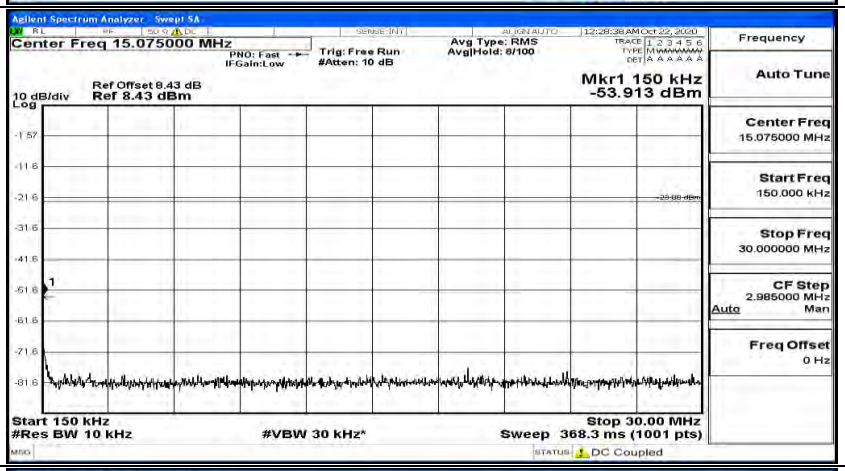
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM

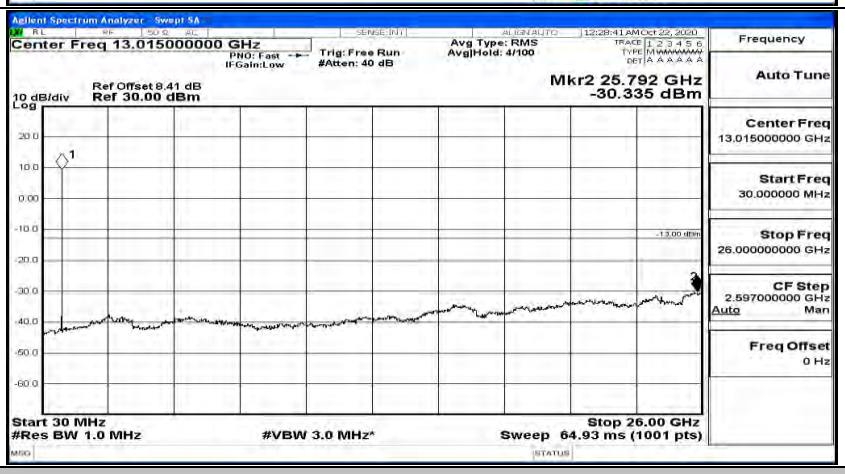


H.5 Conducted Spurious Emission**Channel Bandwidth: 1.4 MHz**

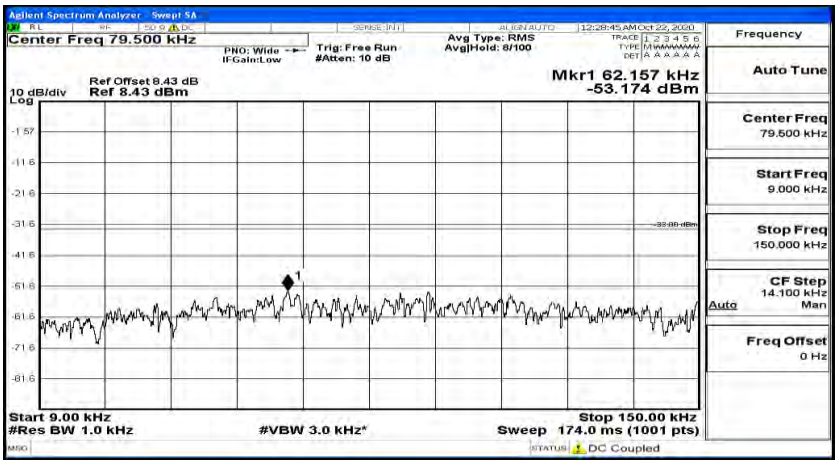
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0

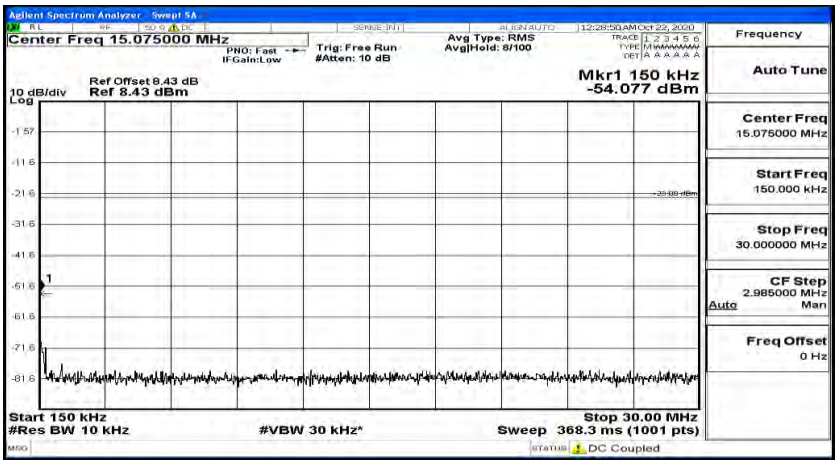




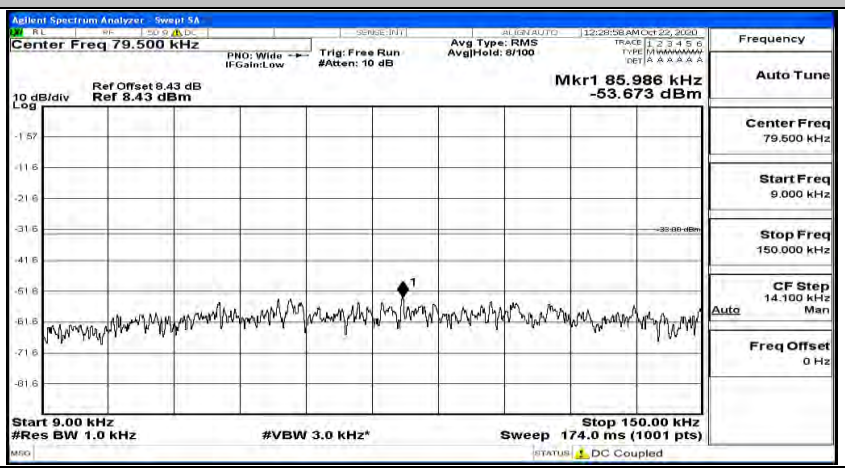


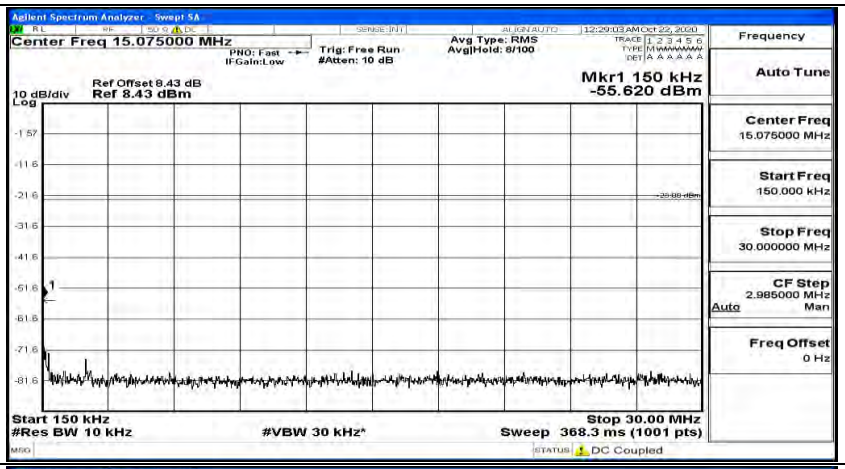
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3



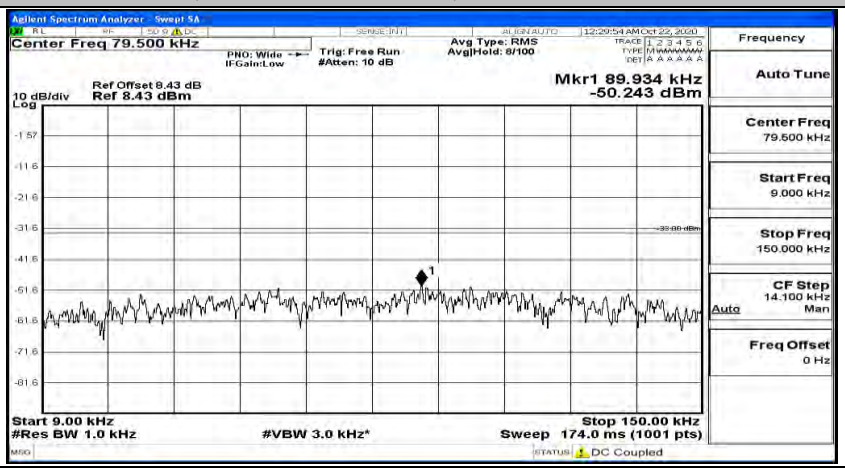


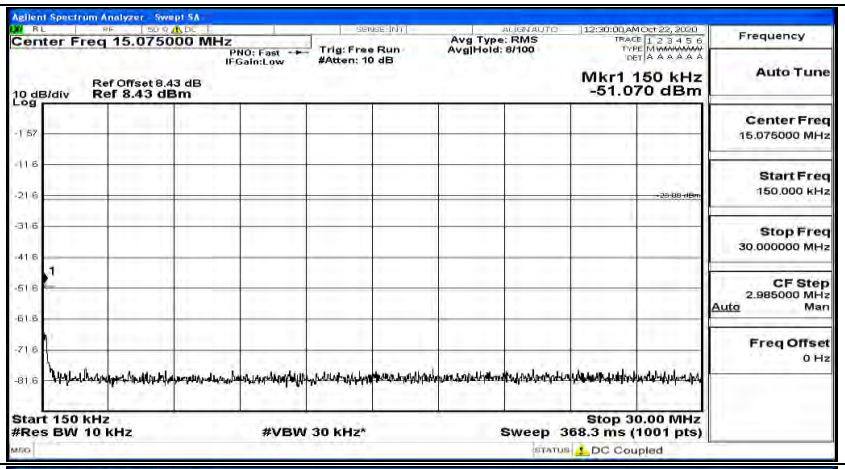
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5

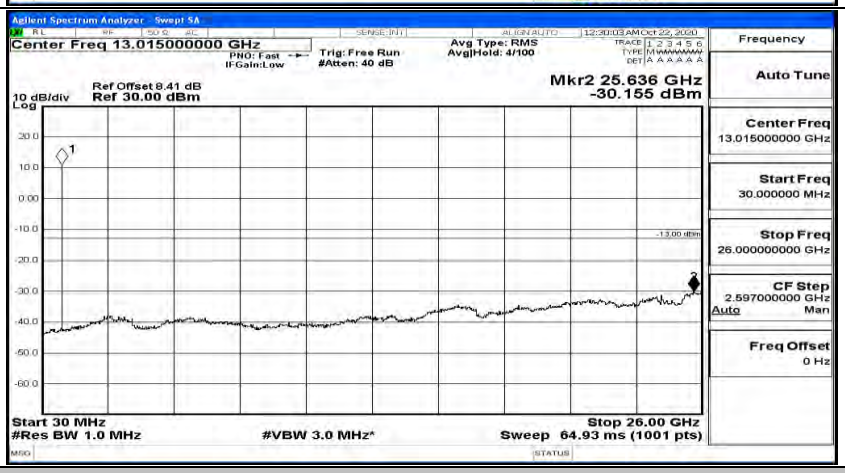




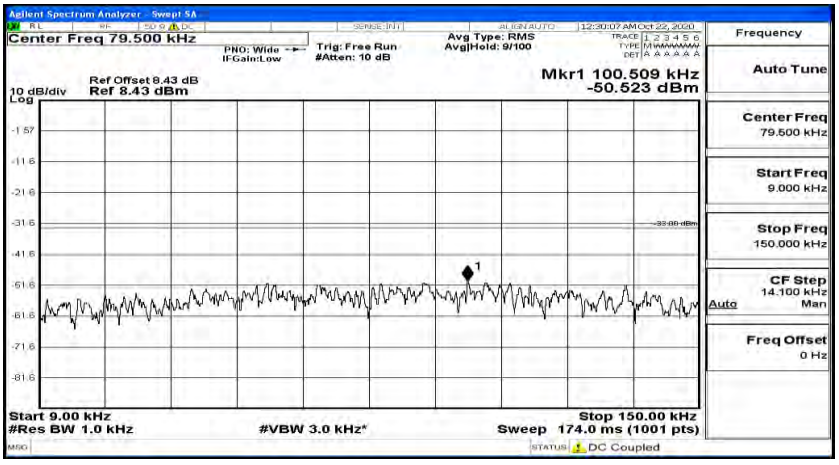
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0

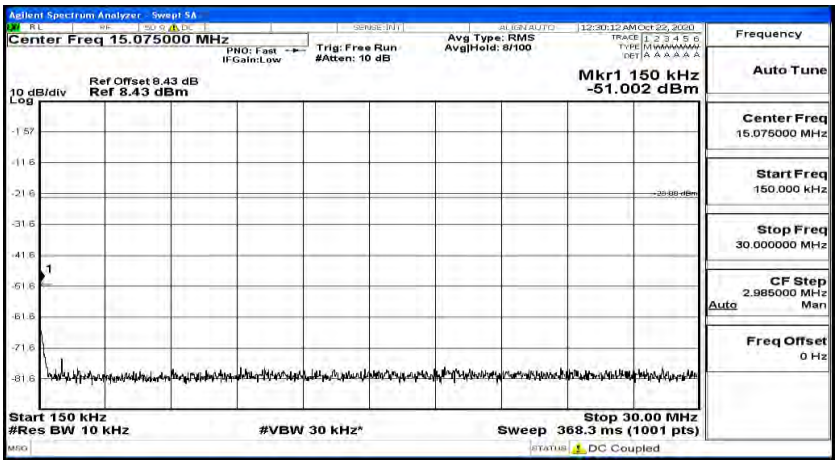




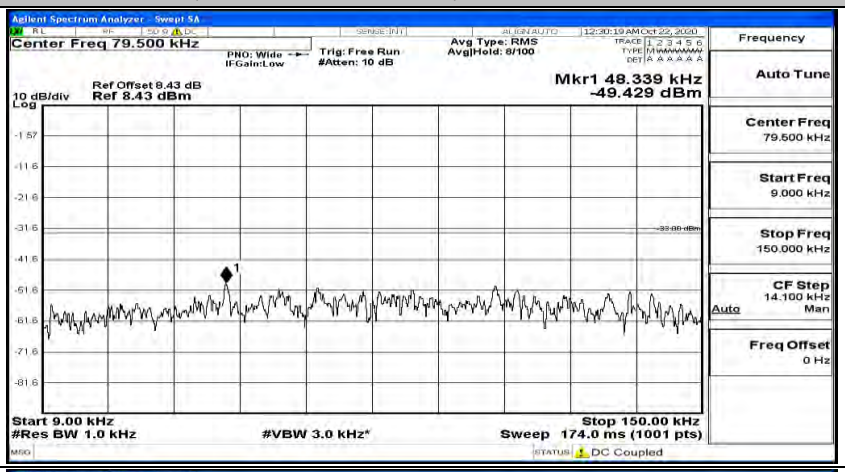


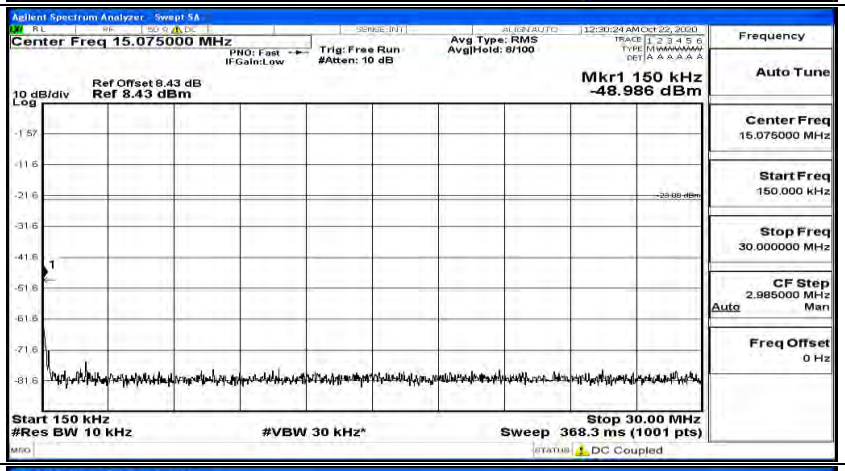
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3

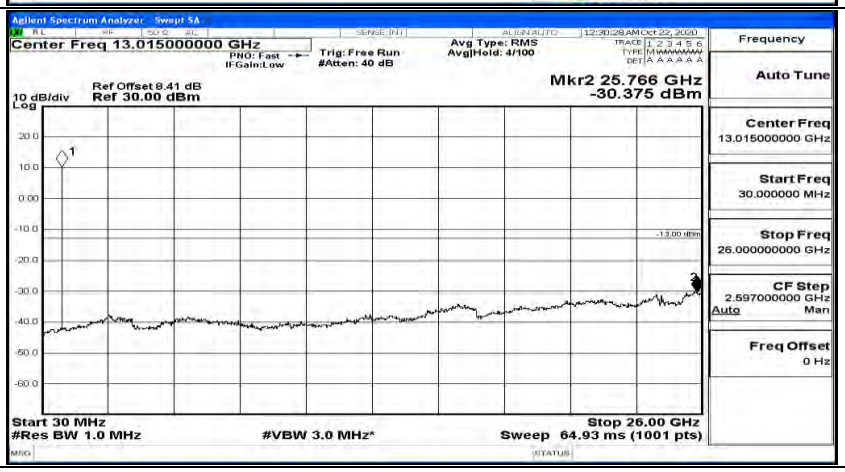




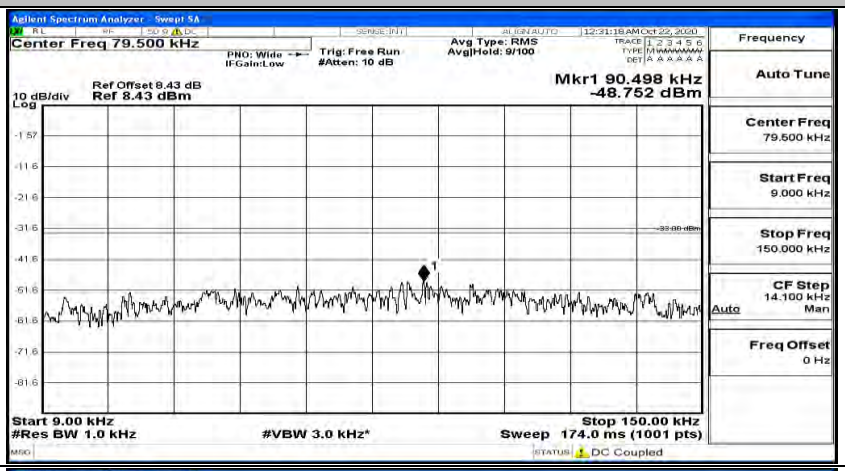
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5

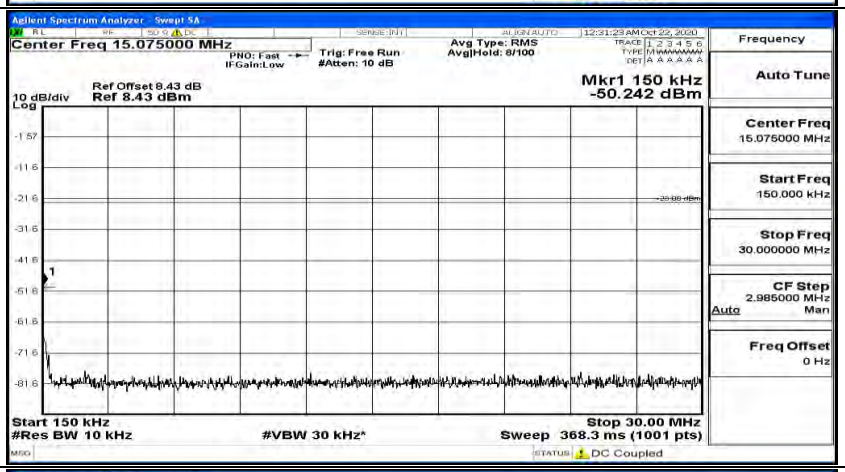


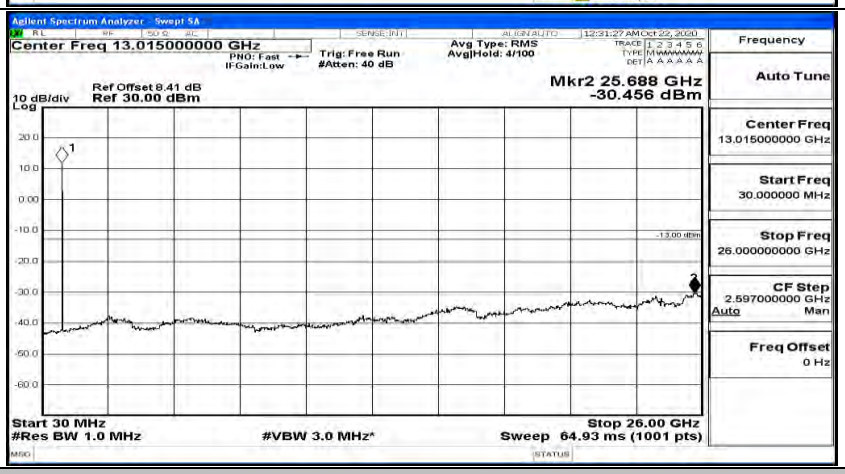




(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0







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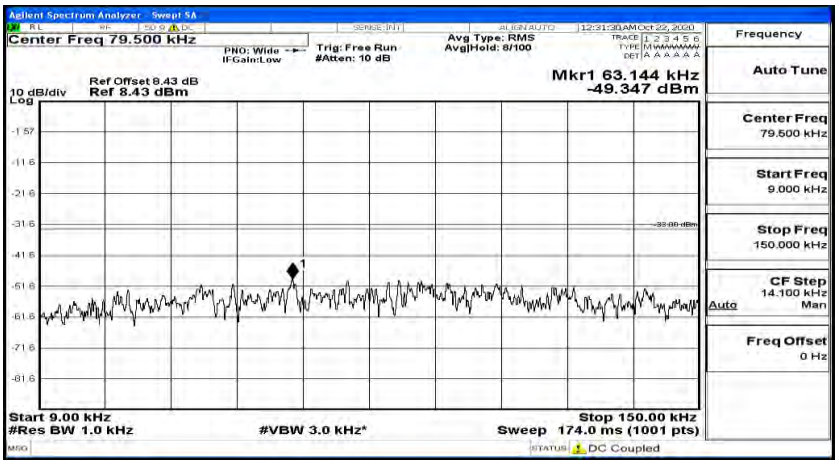
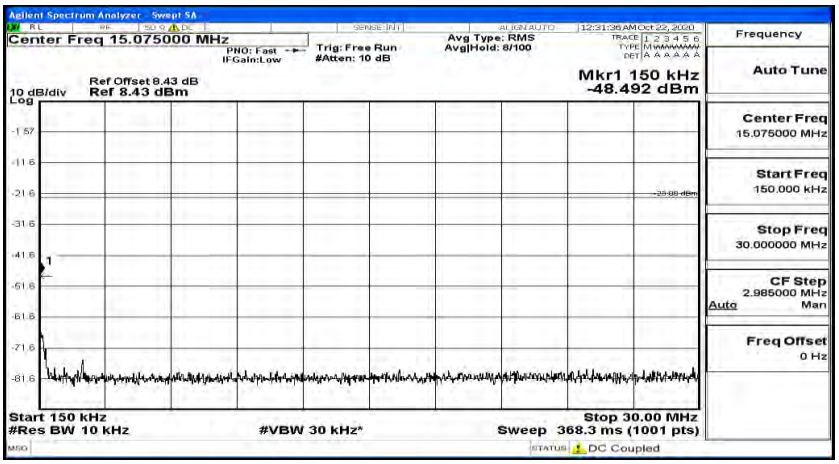
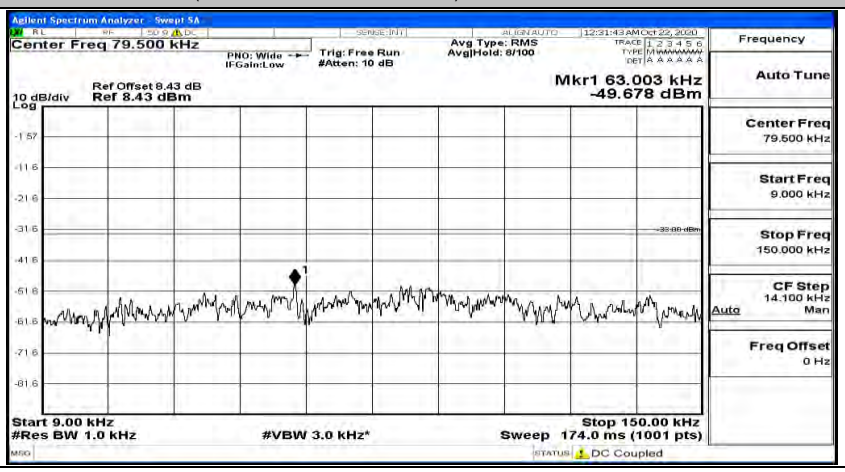
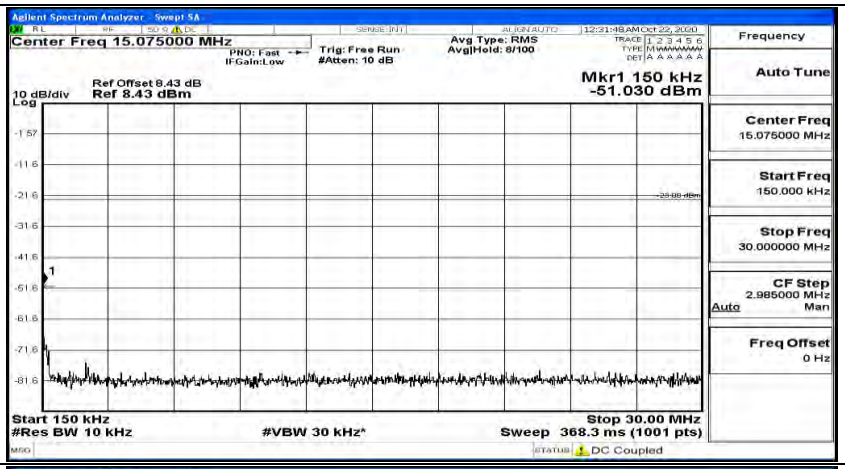


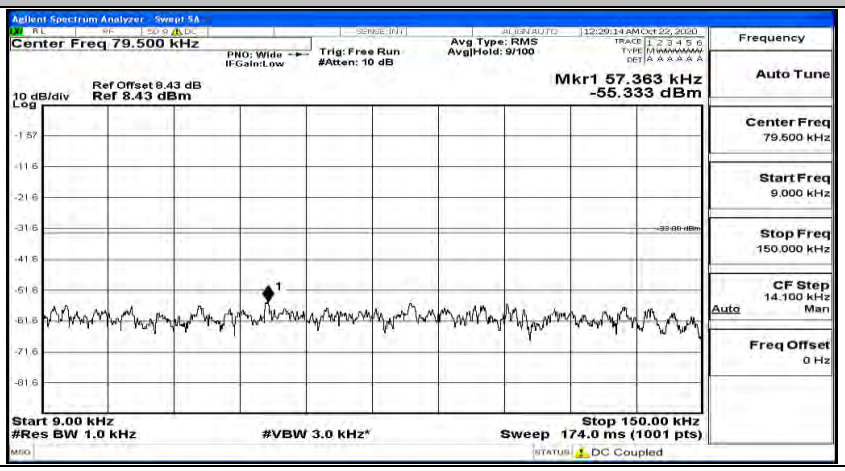


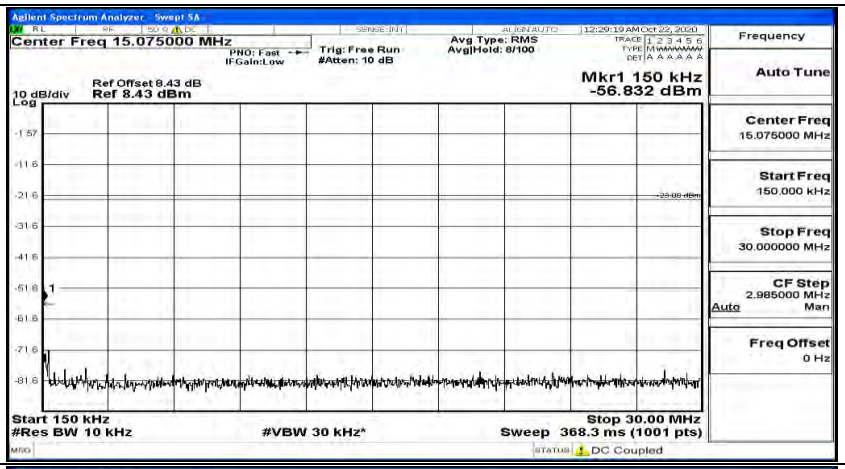
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5

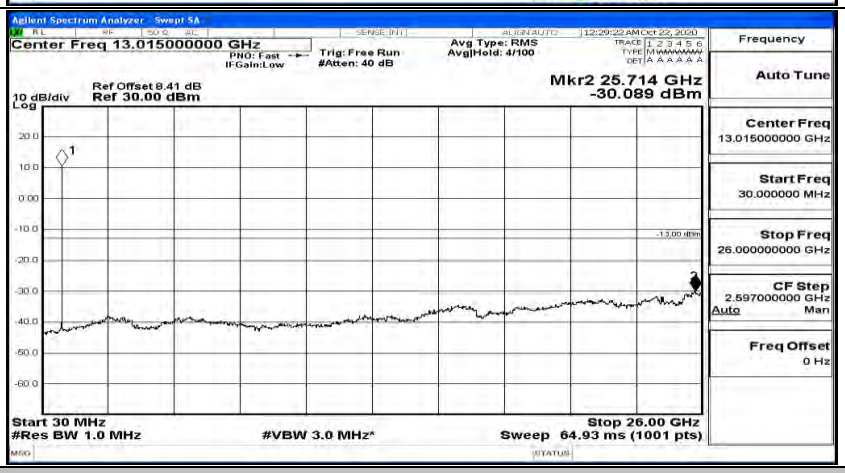




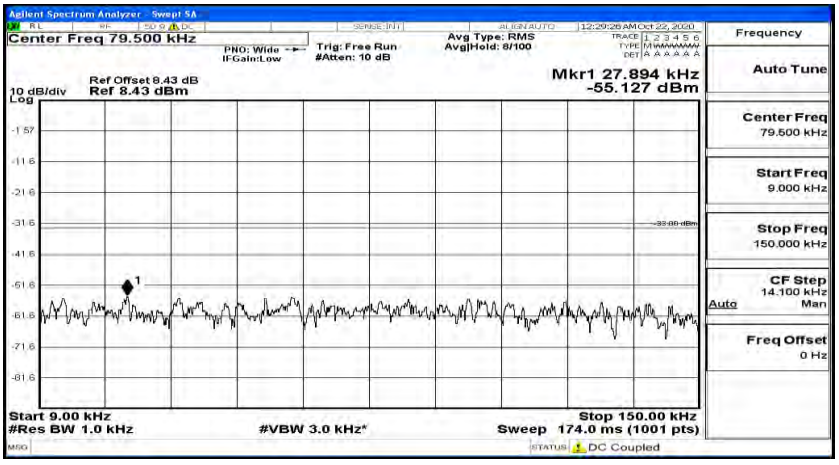
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0

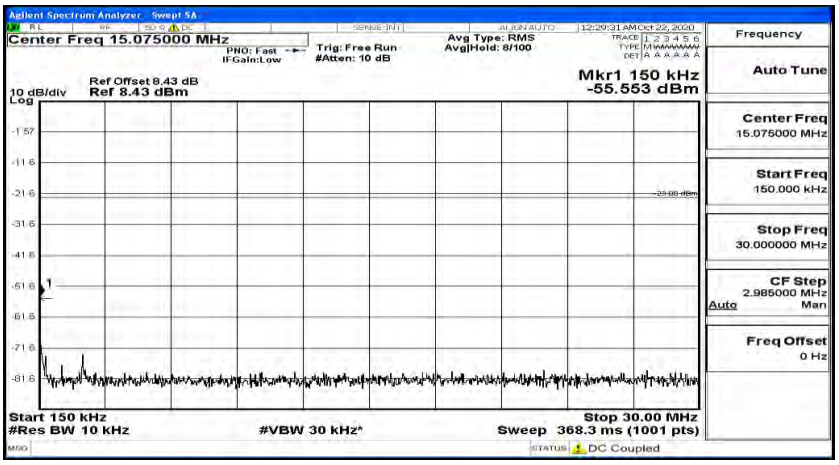




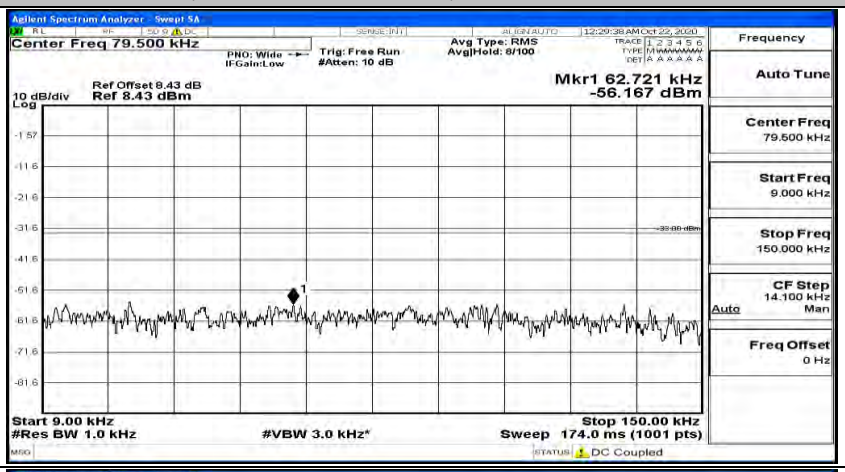


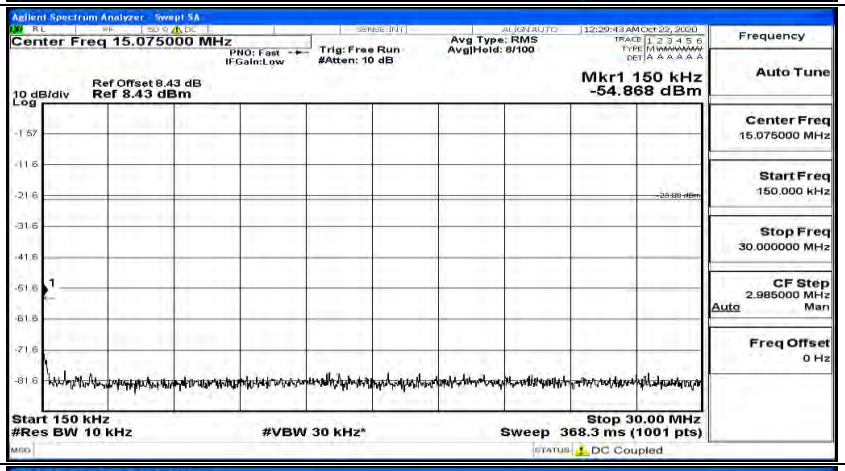
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3



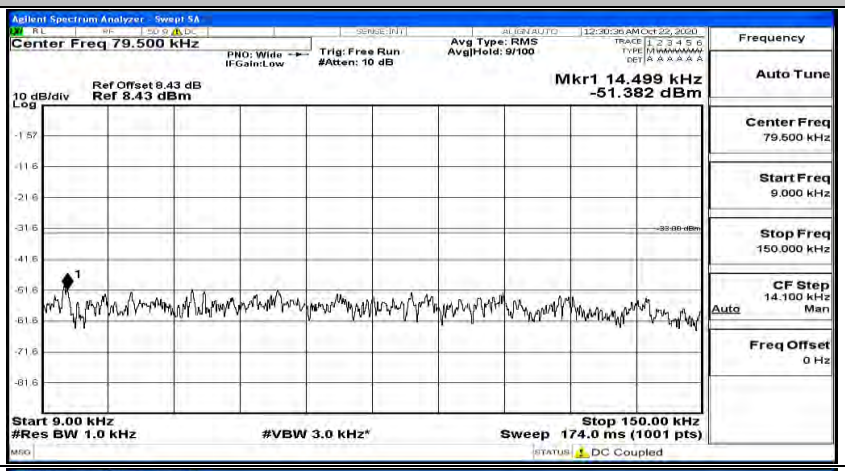


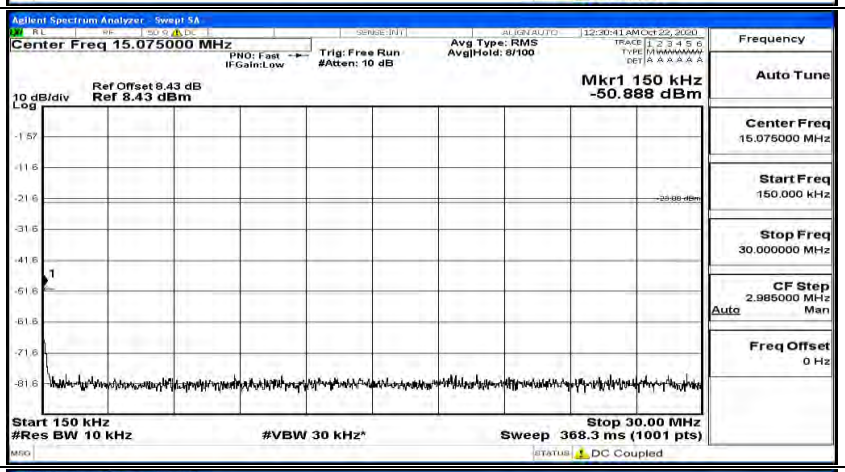
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5

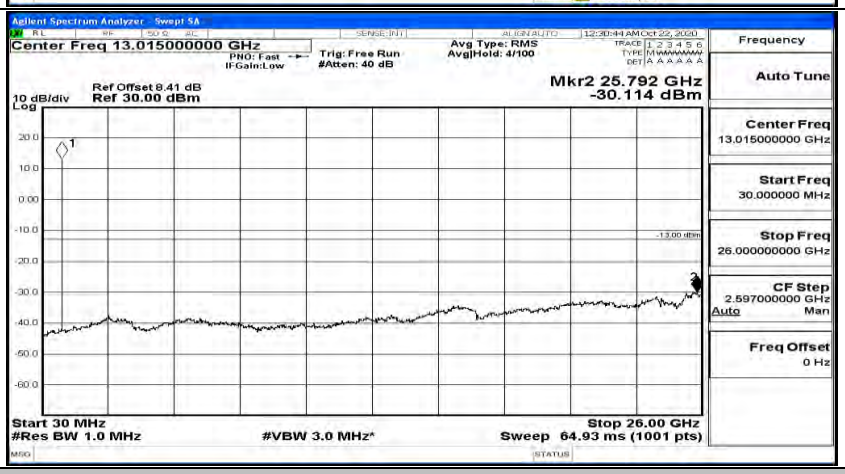




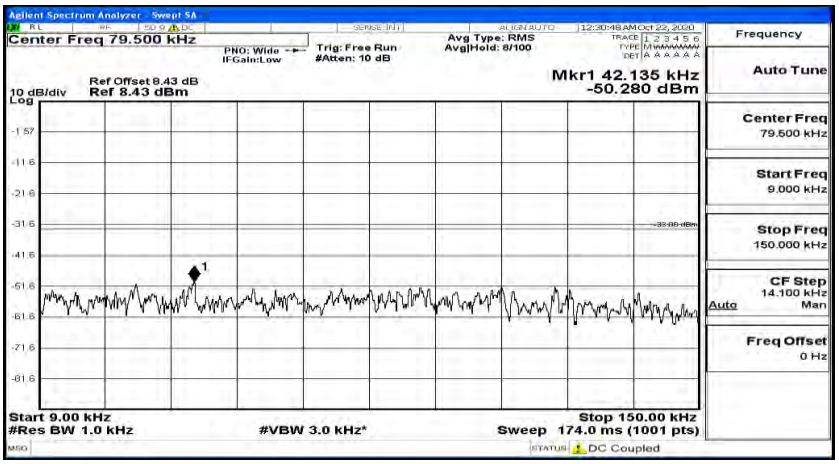
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0

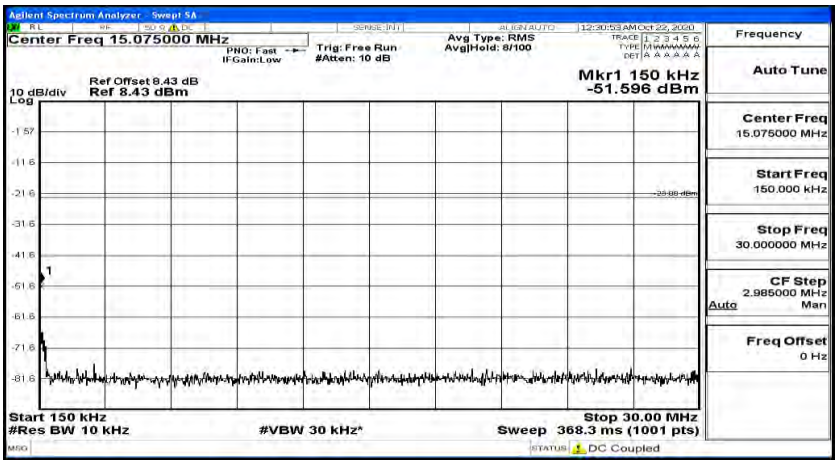




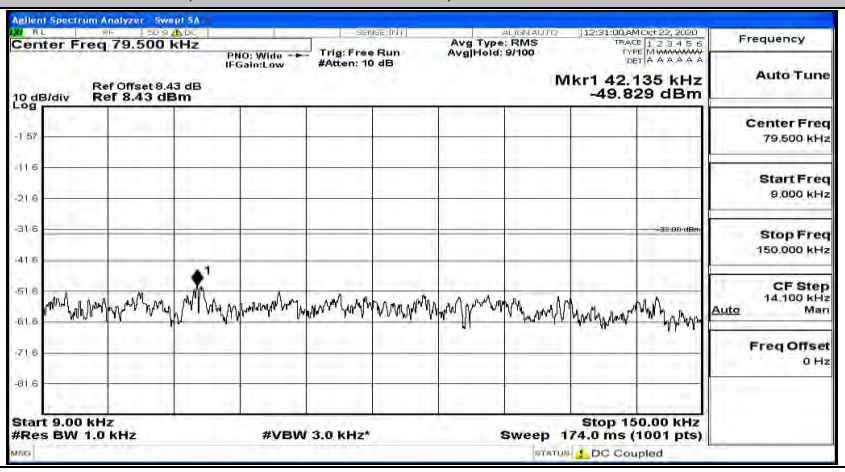


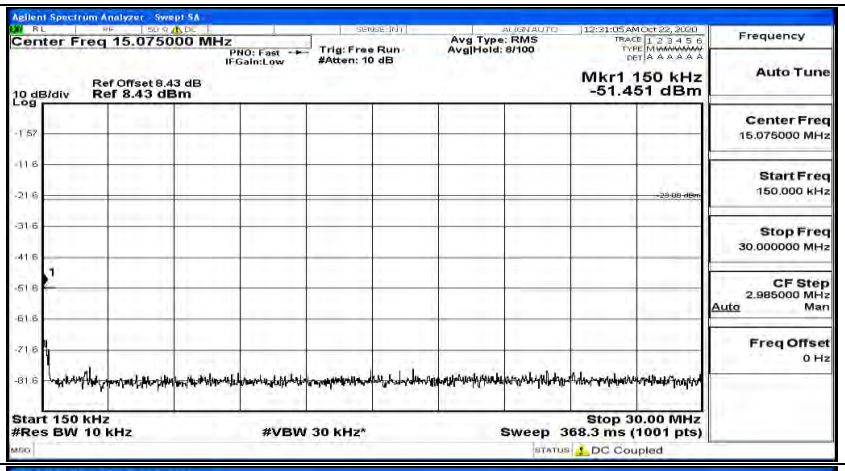
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3



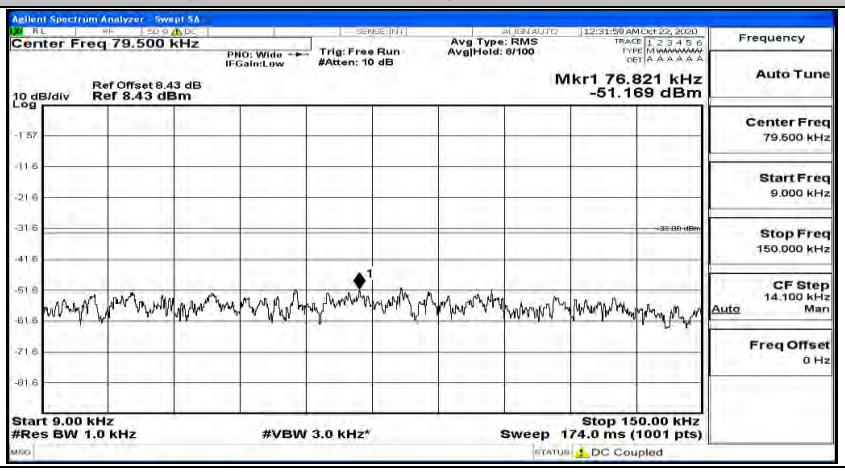


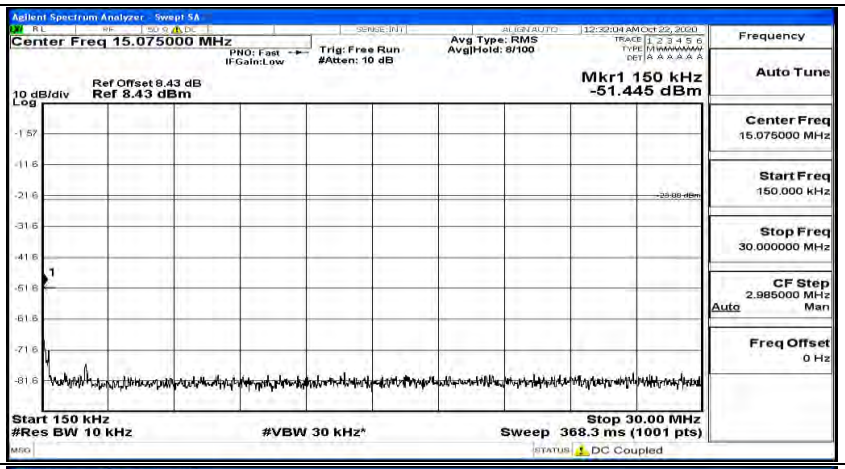
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5

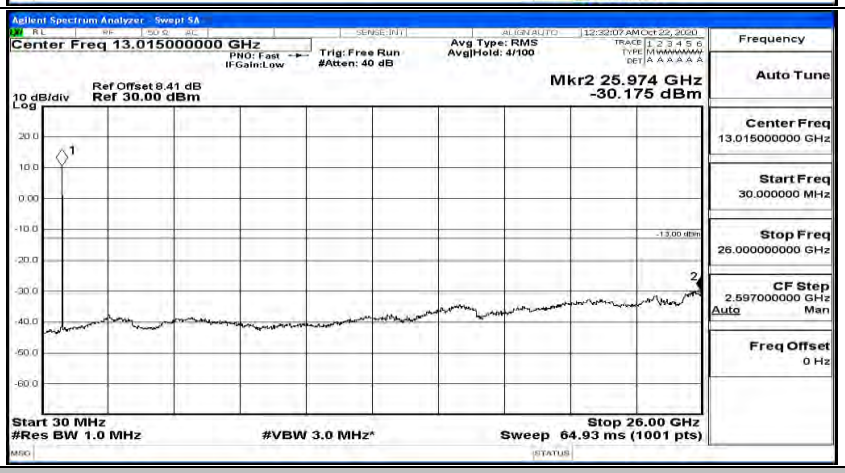




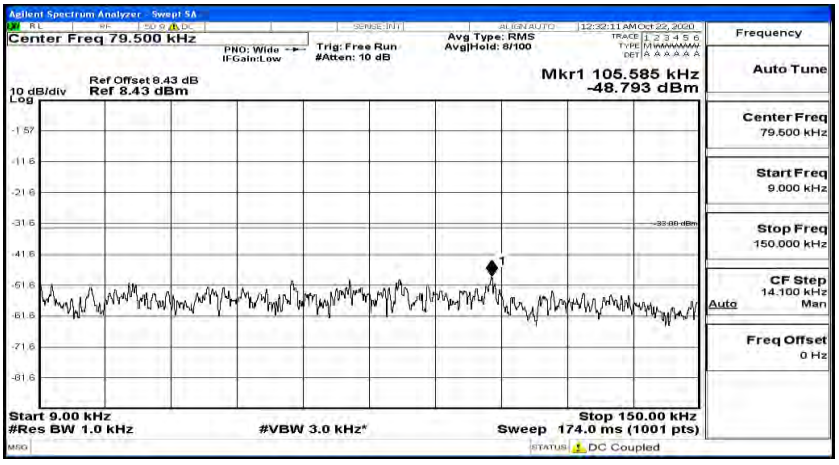
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0

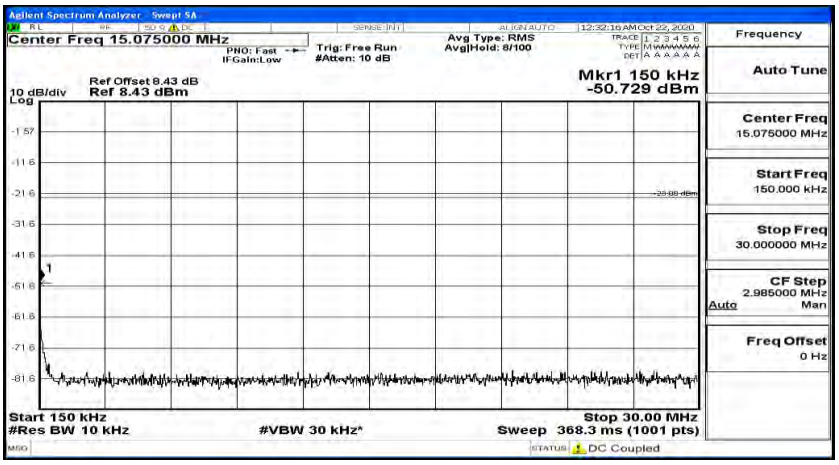




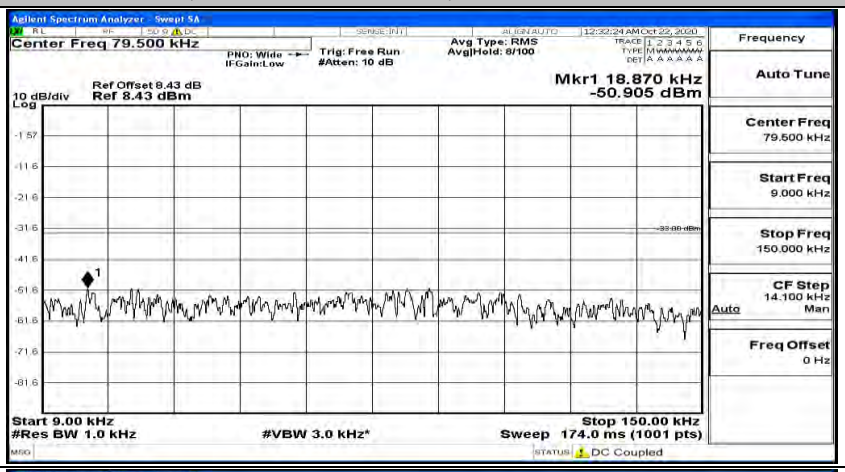


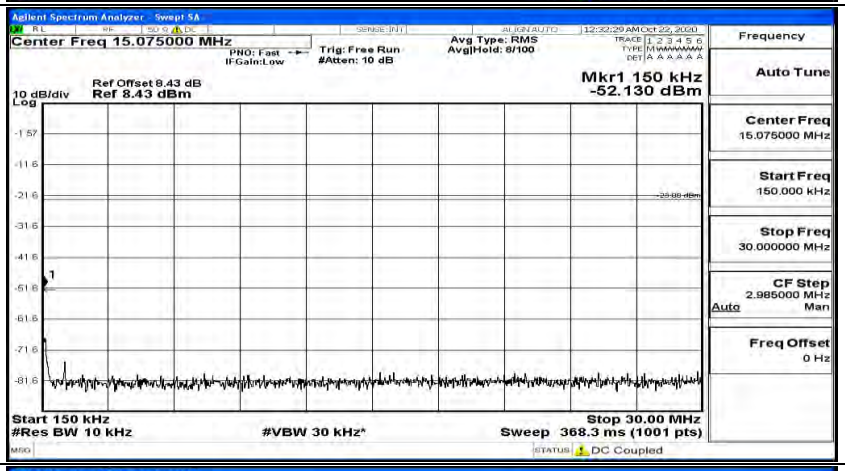
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3

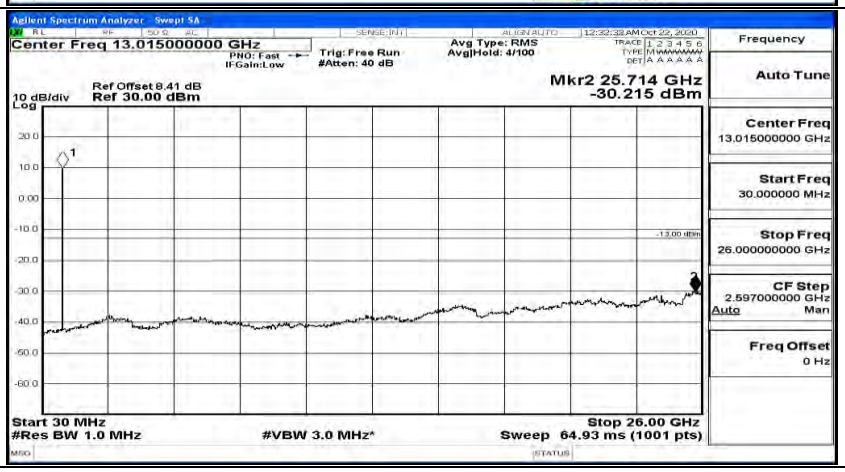




(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5

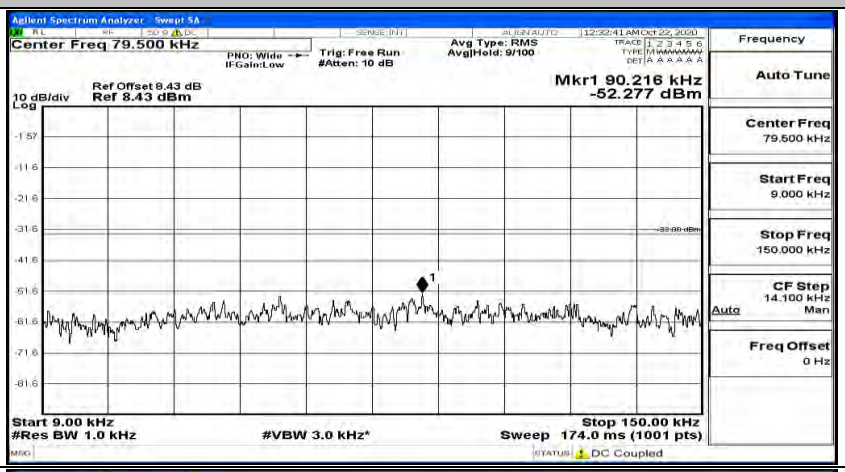


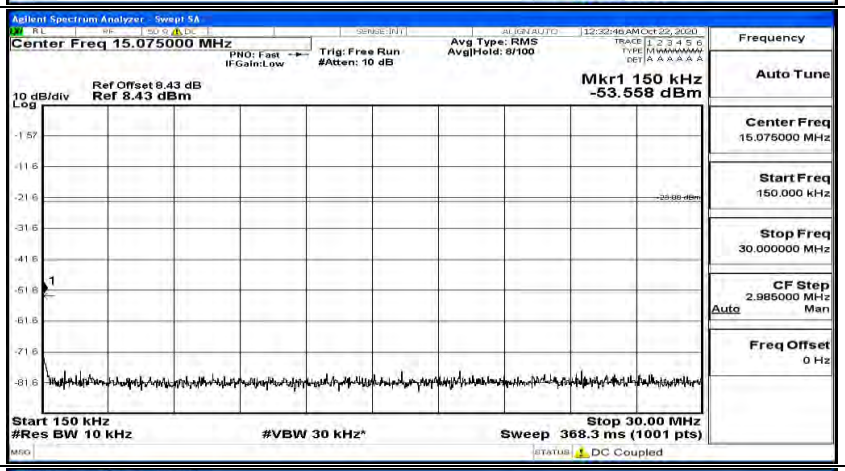


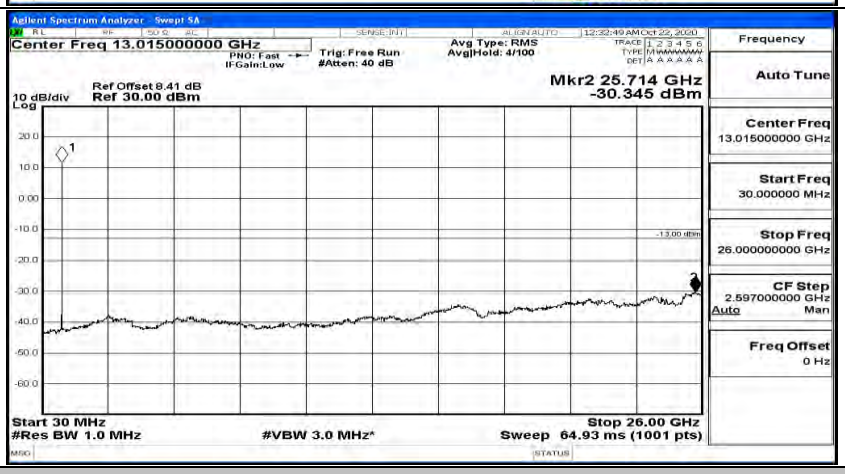


Channel Bandwidth: 3 MHz

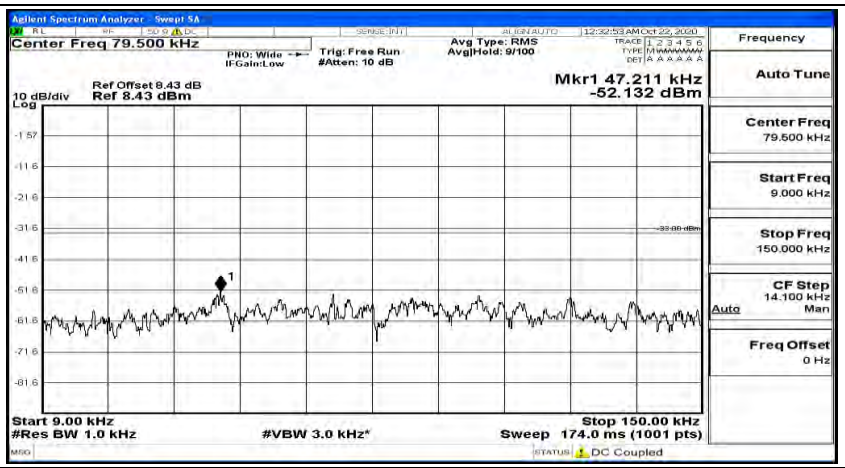
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0

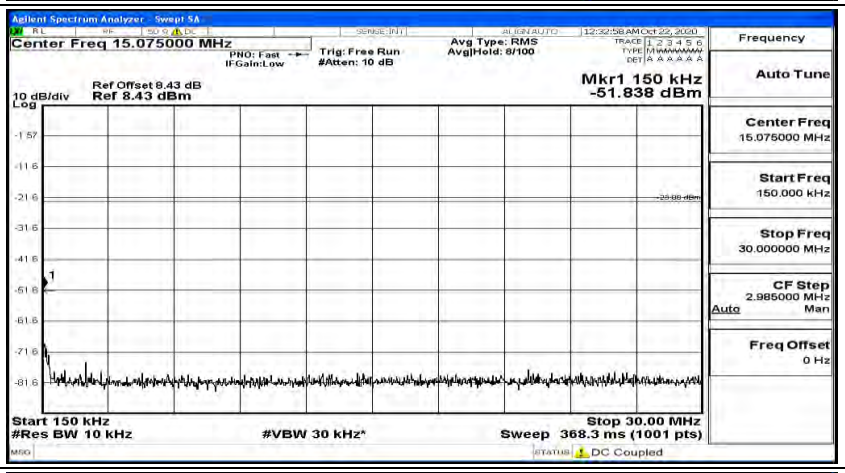




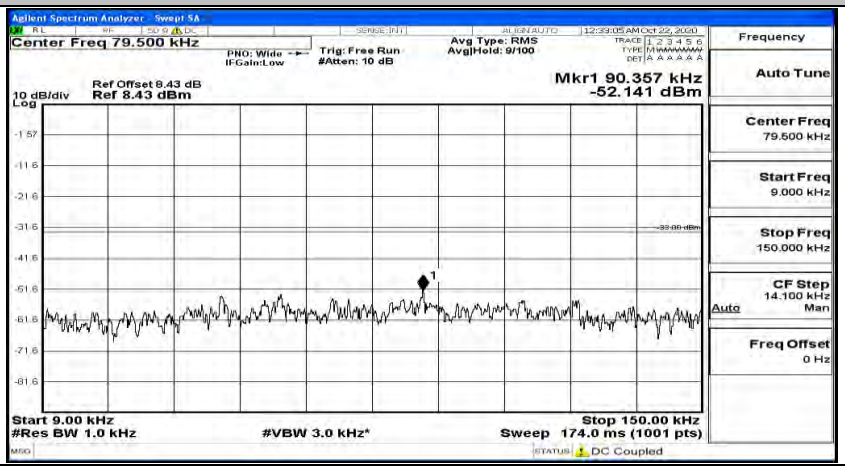


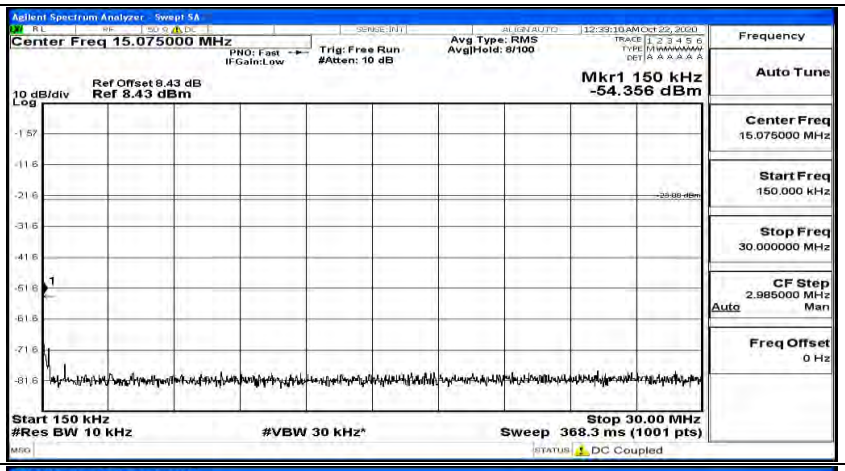
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7



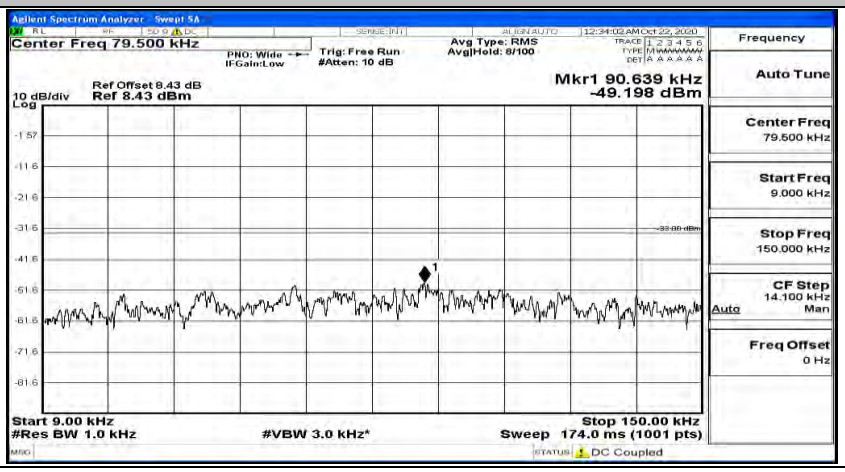


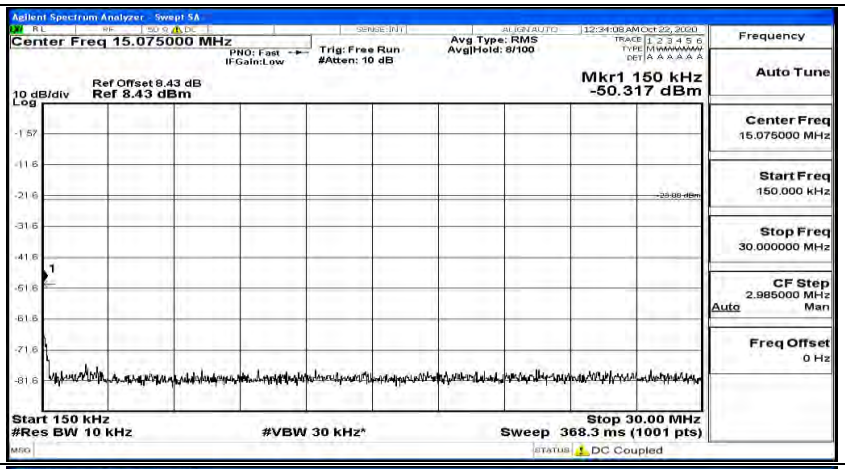
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14



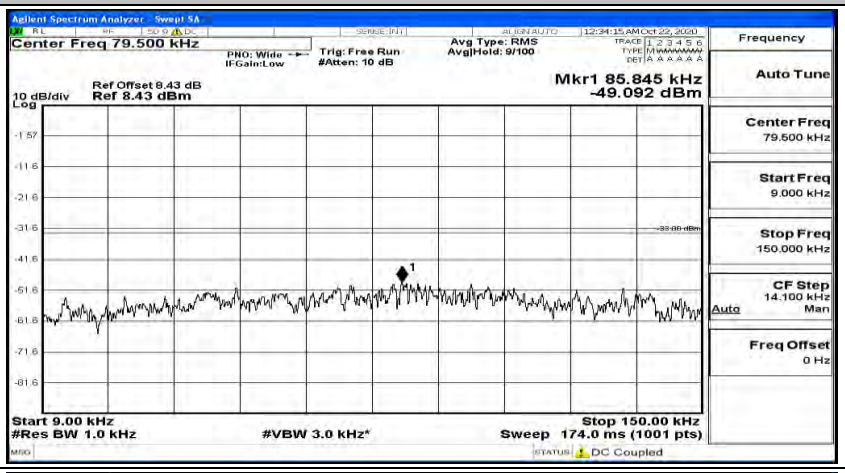


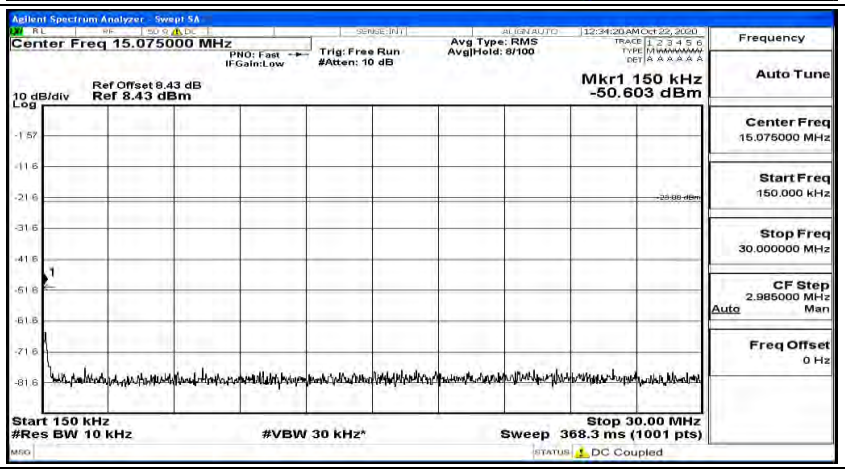
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0

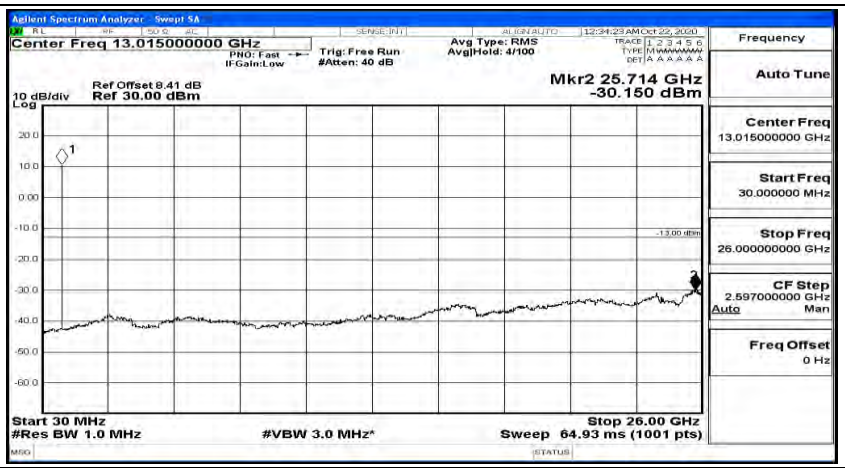




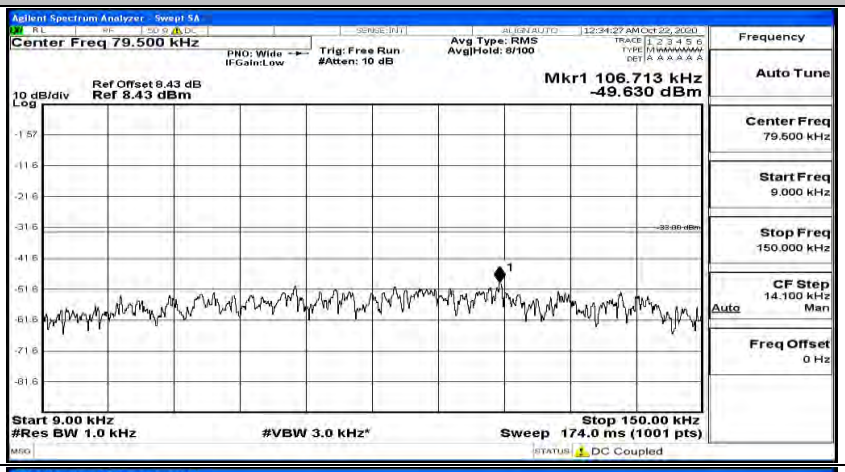
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#7

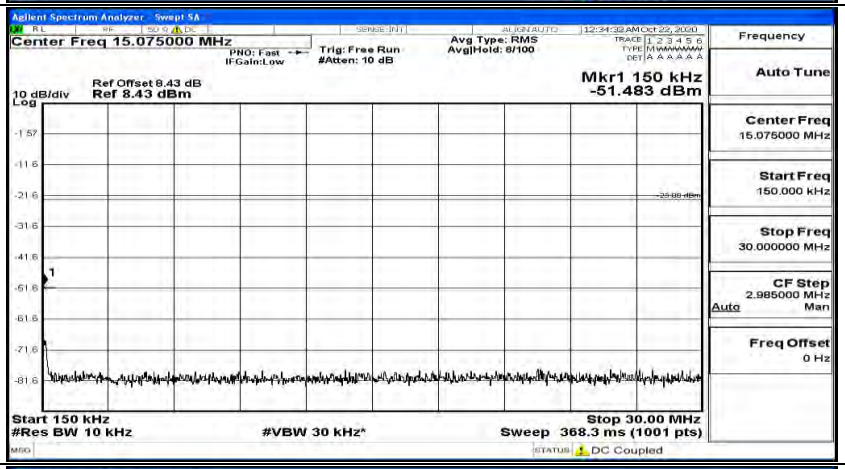




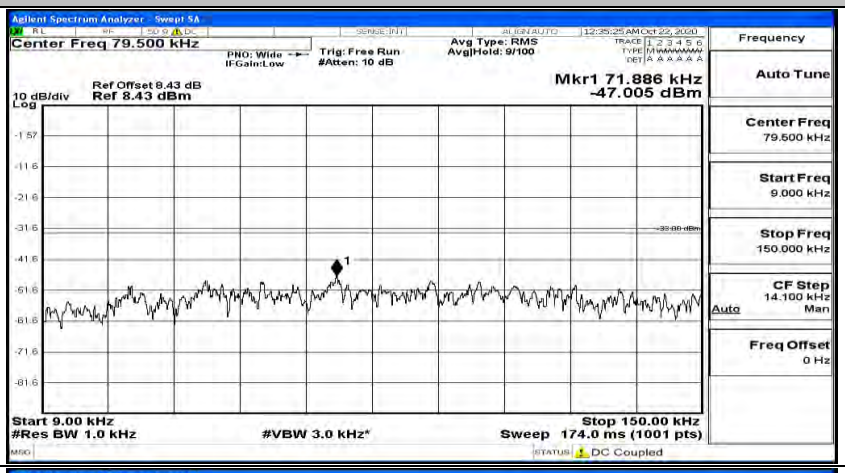


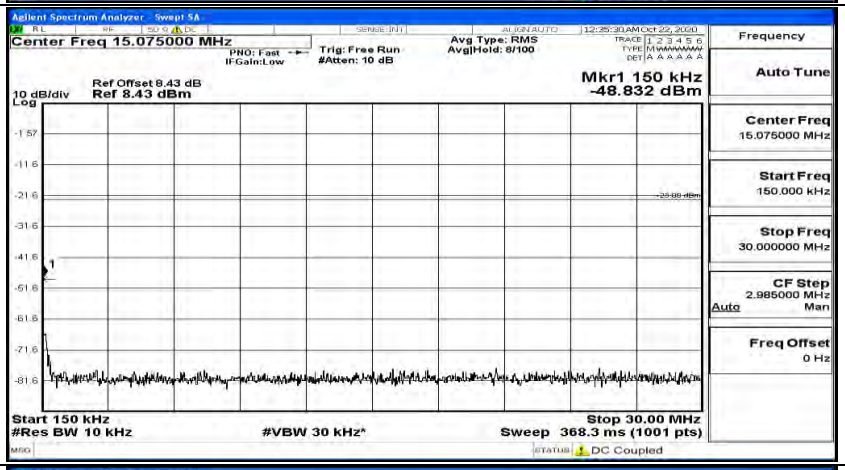
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14

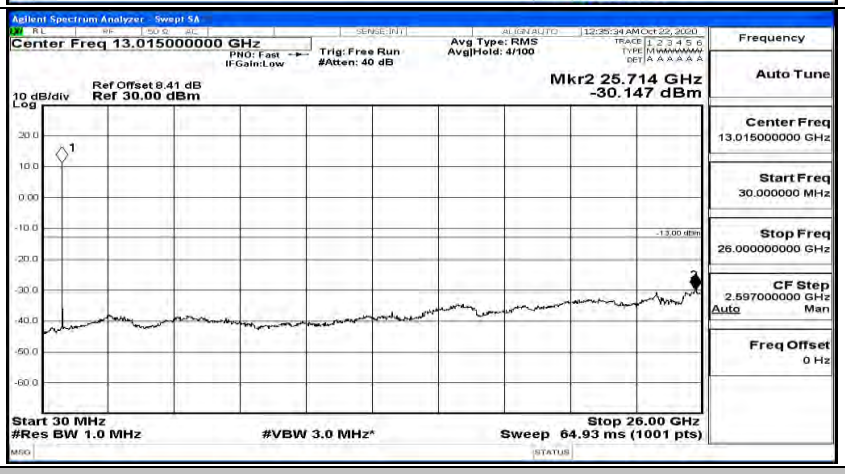




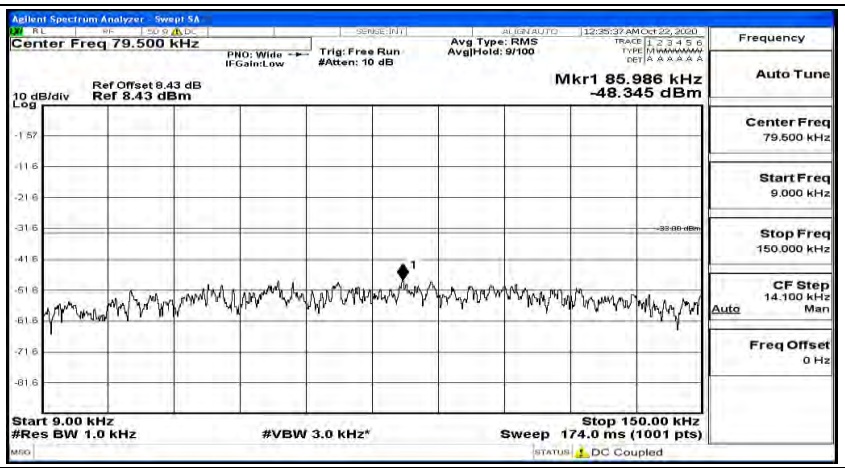
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0

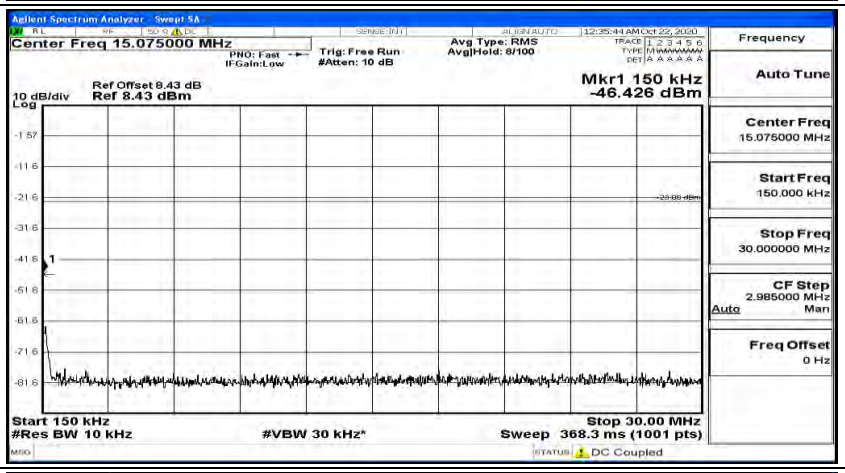


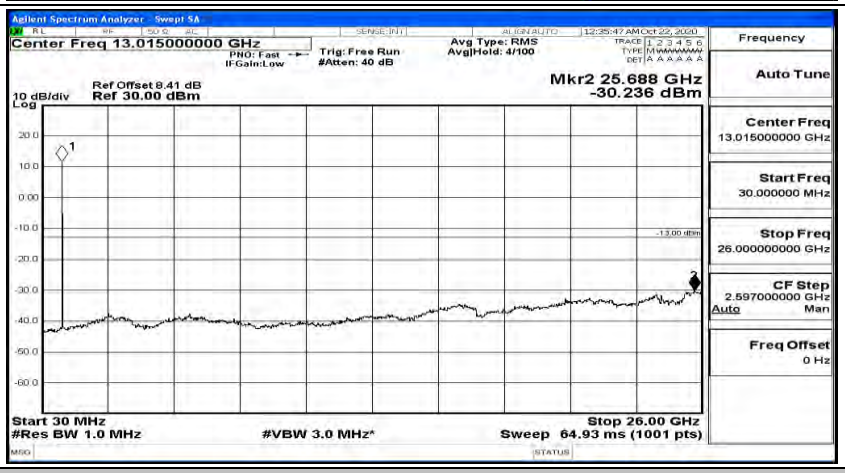
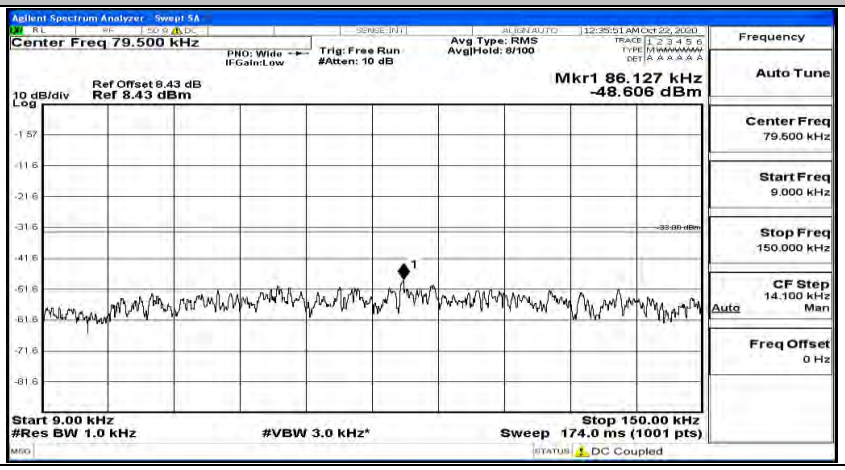




(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7







(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14