Appendix G: Test Data for E-UTRA Band 2

Product Name: Smart Phone
Trade Mark: HYUNDAI
Test Model: Eternity P7

Environmental Conditions

Temperature:	22.5°C
Relative Humidity:	51.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Tom.Liu

G.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	23.33	21.89	PASS
		1	3	23.52	22.07	PASS
		1	5	23.36	21.94	PASS
		3	0	22.82	21.83	PASS
		3	2	22.90	21.89	PASS
		3	3	22.86	21.84	PASS
		6	0	22.01	20.87	PASS
	MCH	1	0	22.10	21.32	PASS
		1	3	22.22	21.47	PASS
		1	5	22.13	21.32	PASS
		3	0	22.13	20.97	PASS
		3	2	22.12	21.01	PASS
		3	3	22.09	20.99	PASS
		6	0	21.25	20.10	PASS
	HCH	1	0	22.50	21.63	PASS
		1	3	22.34	21.73	PASS
		1	5	22.02	21.58	PASS
		3	0	22.42	21.34	PASS
		3	2	22.29	21.36	PASS
		3	3	22.14	21.27	PASS
		6	0	22.00	20.74	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	22.88	22.04	PASS
		1	7	23.06	22.28	PASS
		1	14	22.92	22.06	PASS
		8	0	21.95	20.93	PASS
		8	4	22.03	21.00	PASS
		8	7	21.94	20.92	PASS
		15	0	21.93	20.84	PASS
	MCH	1	0	22.13	21.30	PASS
		1	7	22.32	21.53	PASS
		1	14	22.13	21.27	PASS
		8	0	21.20	20.19	PASS
		8	4	21.22	20.22	PASS
		8	7	21.18	20.15	PASS
		15	0	21.13	20.01	PASS
	HCH	1	0	22.72	21.80	PASS
		1	7	22.55	21.88	PASS
		1	14	21.77	21.70	PASS
		8	0	21.79	20.67	PASS
		8	4	21.83	20.63	PASS
		8	7	21.78	20.57	PASS
		15	0	21.62	20.52	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	22.83	22.03	PASS
		1	12	23.18	22.23	PASS
		1	24	22.75	21.91	PASS
		12	0	21.93	20.94	PASS
		12	6	21.98	21.03	PASS
		12	13	21.89	20.91	PASS
		25	0	21.89	20.85	PASS
	MCH	1	0	22.10	21.24	PASS
		1	12	22.44	21.64	PASS
		1	24	22.06	21.26	PASS
		12	0	21.16	20.15	PASS
		12	6	21.21	20.23	PASS
		12	13	21.17	20.19	PASS
		25	0	21.14	20.08	PASS
	HCH	1	0	22.72	21.57	PASS
		1	12	22.82	21.83	PASS
		1	24	21.95	21.42	PASS
		12	0	21.70	20.62	PASS
		12	6	21.75	20.65	PASS
		12	13	21.54	20.45	PASS
		25	0	21.63	20.58	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	22.92	22.05	PASS
		1	24	22.95	22.05	PASS
		1	49	22.39	21.46	PASS
		25	0	21.84	20.83	PASS
		25	12	21.80	20.72	PASS
		25	25	21.58	20.51	PASS
		50	0	21.66	20.64	PASS
	MCH	1	0	22.15	21.30	PASS
		1	24	22.25	21.42	PASS
		1	49	22.08	21.27	PASS
		25	0	21.14	20.12	PASS
		25	12	21.15	20.10	PASS
		25	25	21.22	20.16	PASS
		50	0	21.13	20.10	PASS
	HCH	1	0	22.79	21.91	PASS
		1	24	22.88	22.07	PASS
		1	49	22.07	21.64	PASS
		25	0	21.83	20.76	PASS
		25	12	21.76	20.66	PASS
		25	25	21.64	20.57	PASS
		50	0	21.66	20.64	PASS

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Conducted Output Power Test Result (Channel Bandwidth: 15 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	22.79	21.98	PASS
		1	37	22.79	21.94	PASS
		1	74	22.01	21.05	PASS
		37	0	21.96	20.80	PASS
		37	18	21.82	20.61	PASS
		37	38	21.44	20.28	PASS
		75	0	21.74	20.58	PASS
	MCH	1	0	22.05	21.19	PASS
		1	37	22.32	21.50	PASS
		1	74	22.04	21.19	PASS
		37	0	21.32	20.18	PASS
		37	18	21.31	20.15	PASS
		37	38	21.28	20.17	PASS
		75	0	21.32	20.20	PASS
	HCH	1	0	22.69	21.66	PASS
		1	37	23.06	22.10	PASS
		1	74	22.31	21.59	PASS
		37	0	21.98	20.81	PASS
		37	18	21.93	20.78	PASS
		37	38	21.81	20.67	PASS
		75	0	21.89	20.73	PASS

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Conducted Output Power Test Result (Channel Bandwidth: 20 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	22.69	21.79	PASS
		1	49	22.65	21.59	PASS
		1	99	21.87	20.82	PASS
		50	0	21.64	20.53	PASS
		50	25	21.34	20.21	PASS
		50	50	20.97	19.86	PASS
		100	0	21.34	20.27	PASS
	MCH	1	0	21.92	20.96	PASS
		1	49	22.38	21.45	PASS
		1	99	22.06	21.12	PASS
		50	0	21.18	20.10	PASS
		50	25	21.17	20.05	PASS
		50	50	21.14	20.04	PASS
		100	0	21.15	20.08	PASS
	HCH	1	0	22.27	21.35	PASS
		1	49	23.04	22.08	PASS
		1	99	22.44	21.46	PASS
		50	0	21.59	20.54	PASS
		50	25	21.71	20.61	PASS
		50	50	21.49	20.43	PASS
		100	0	21.57	20.48	PASS

G.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	4.27	<13	PASS
	MCH	4.18	<13	PASS
	HCH	2.21	<13	PASS
16QAM	LCH	5.16	<13	PASS
	MCH	5.07	<13	PASS
	HCH	3.36	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.52	<13	PASS
	MCH	4.55	<13	PASS
	HCH	3.46	<13	PASS
16QAM	LCH	5.44	<13	PASS
	MCH	5.4	<13	PASS
	HCH	4.35	<13	PASS

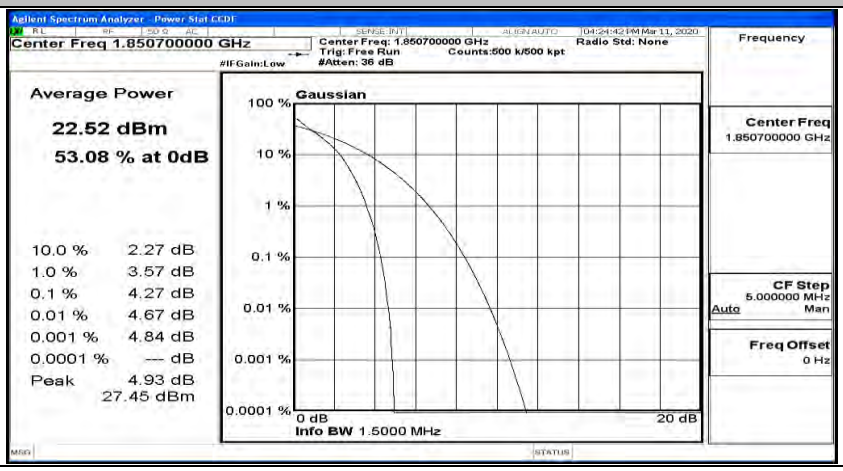
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.5	<13	PASS
	MCH	4.55	<13	PASS
	HCH	3.83	<13	PASS
16QAM	LCH	5.29	<13	PASS
	MCH	5.32	<13	PASS
	HCH	4.68	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.58	<13	PASS
	MCH	4.8	<13	PASS
	HCH	4.48	<13	PASS
16QAM	LCH	5.33	<13	PASS
	MCH	5.46	<13	PASS
	HCH	5.2	<13	PASS

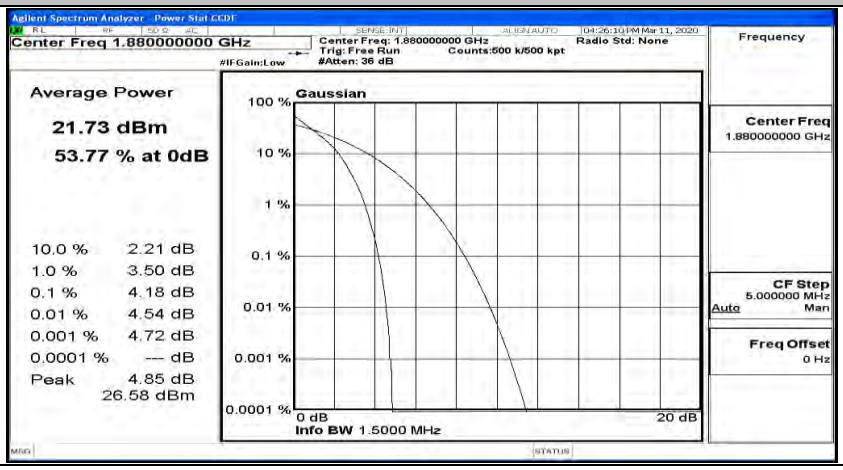
Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.92	<13	PASS
	MCH	4.95	<13	PASS
	HCH	4.96	<13	PASS
16QAM	LCH	5.82	<13	PASS
	MCH	5.95	<13	PASS
	HCH	5.83	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.85	<13	PASS
	MCH	5.76	<13	PASS
	HCH	5.81	<13	PASS
16QAM	LCH	6.48	<13	PASS
	MCH	6.6	<13	PASS
	HCH	6.42	<13	PASS

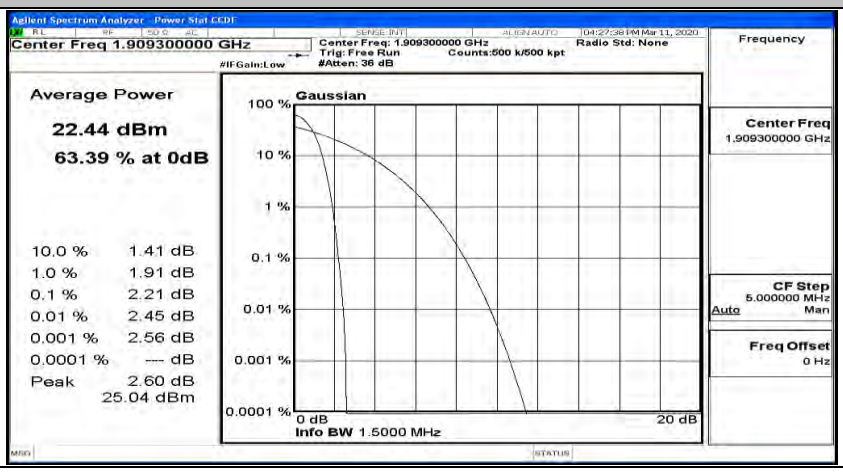
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



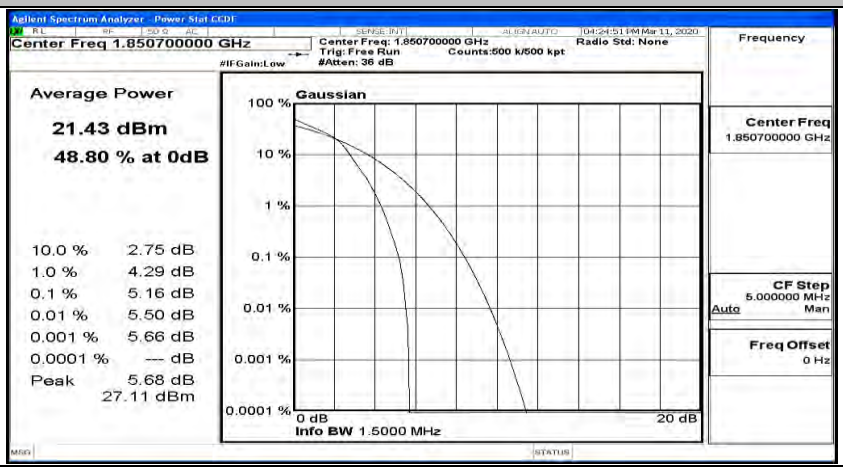
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



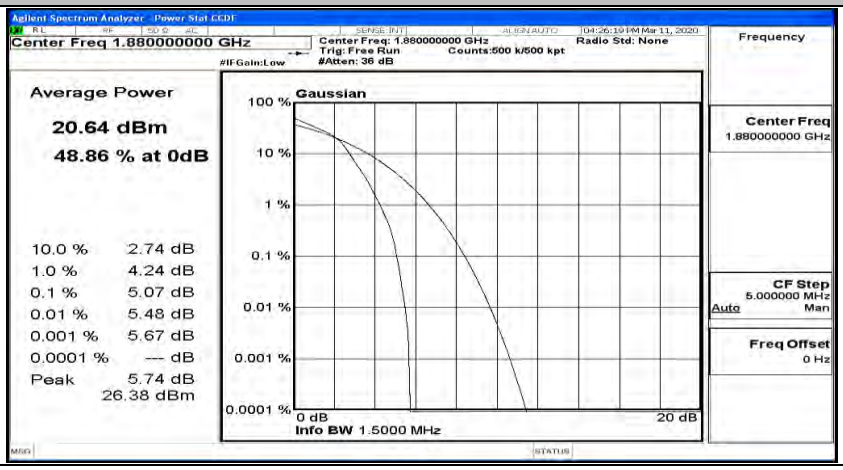
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



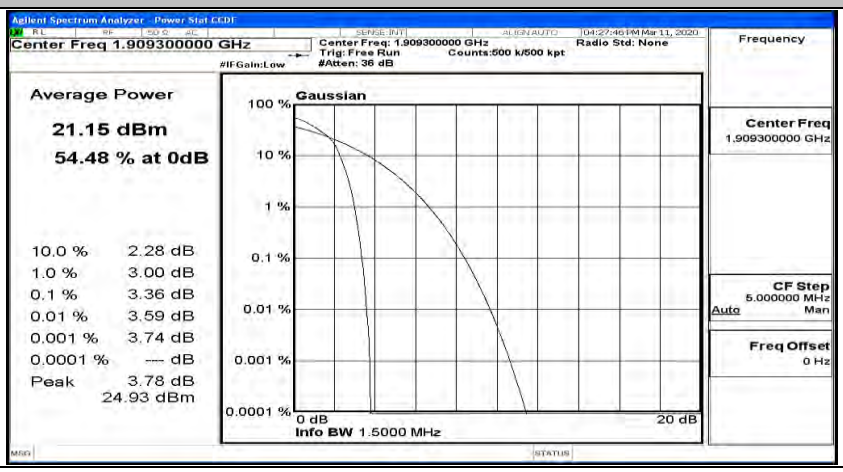
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



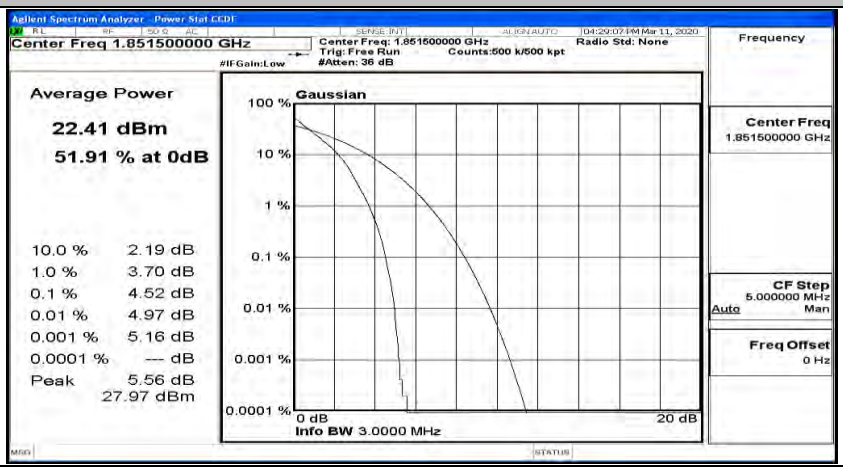
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



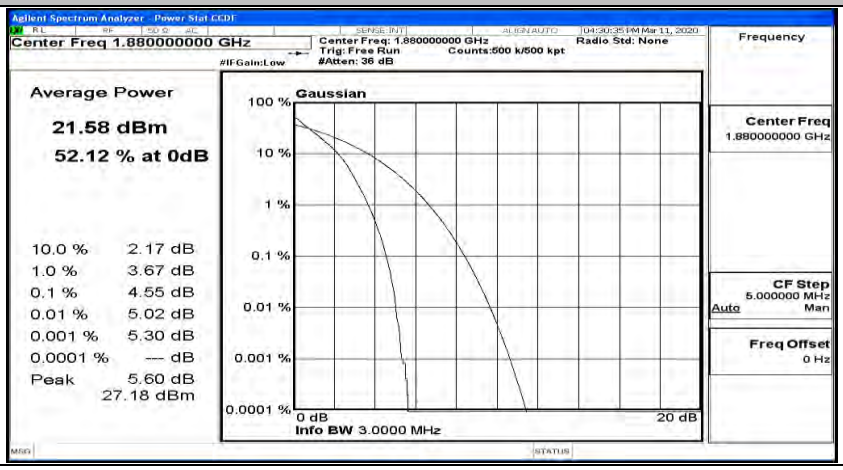
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



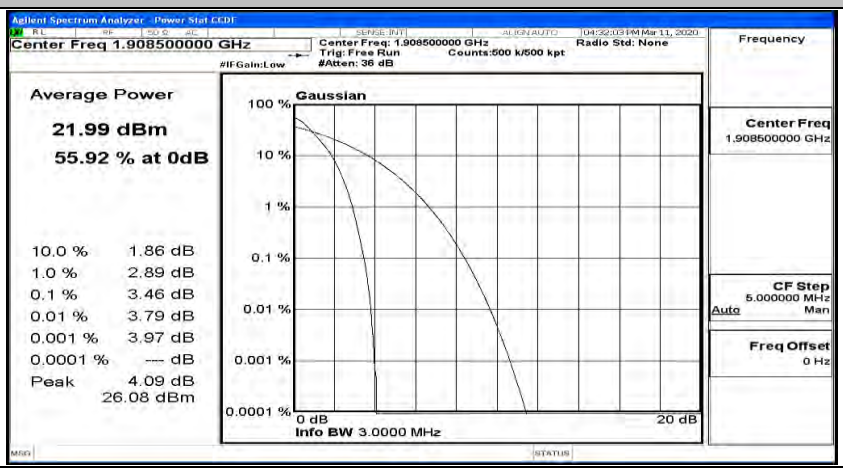
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



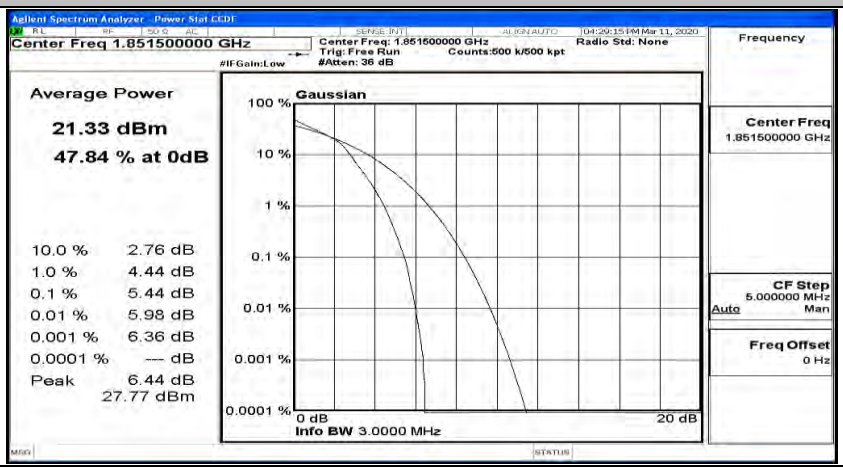
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



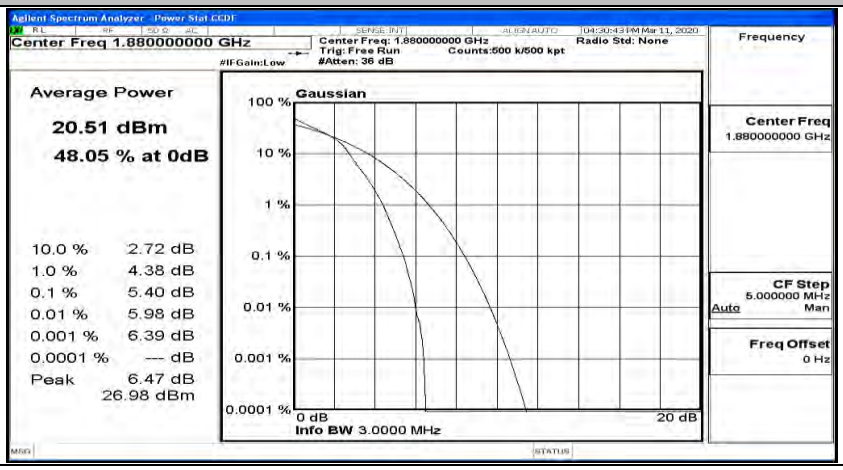
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



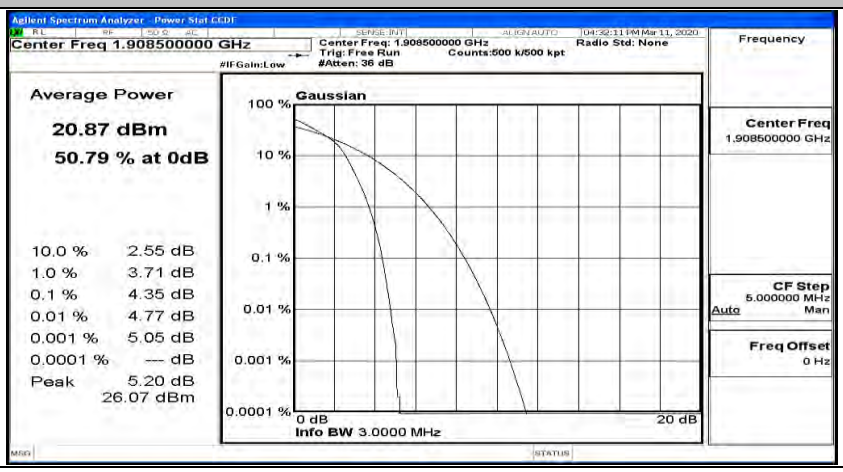
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



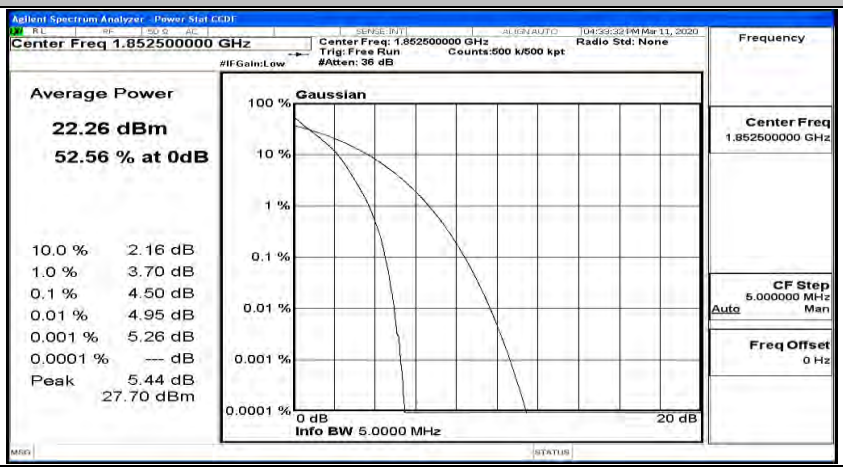
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



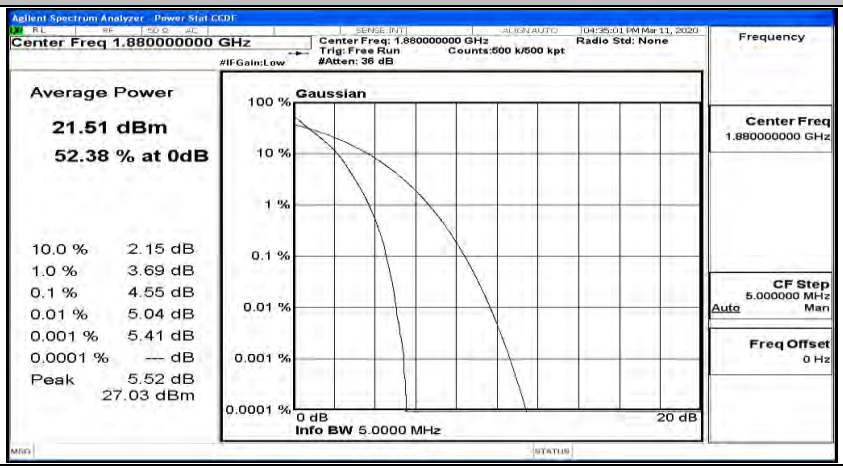
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



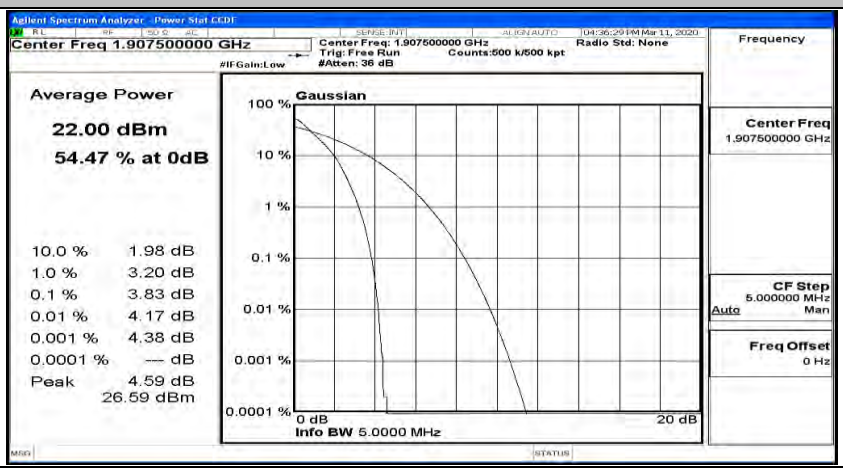
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



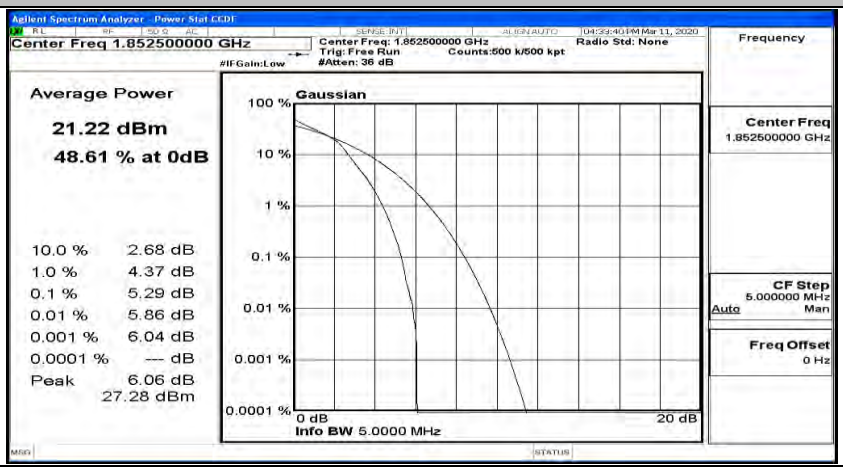
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



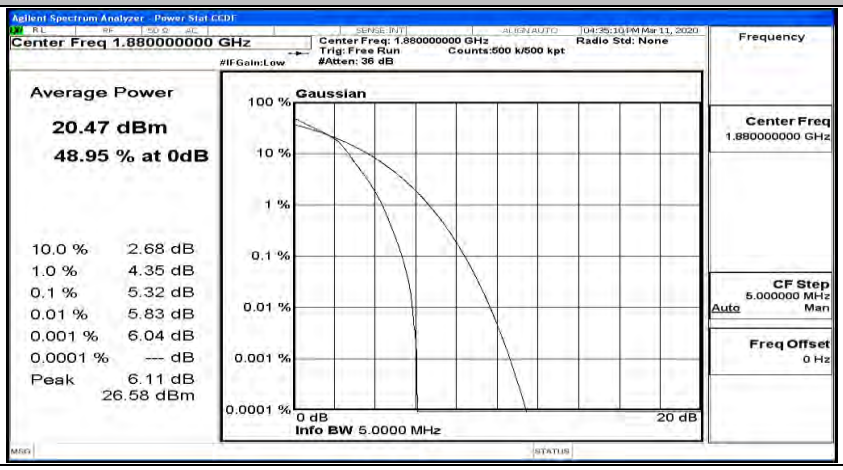
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



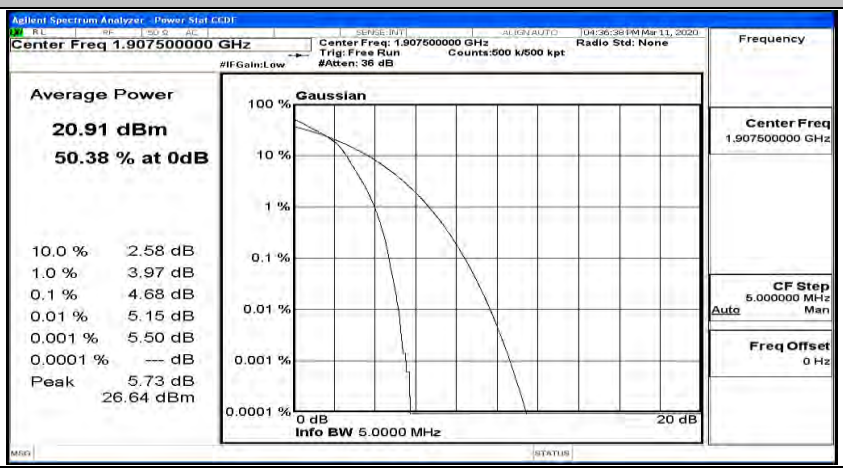
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



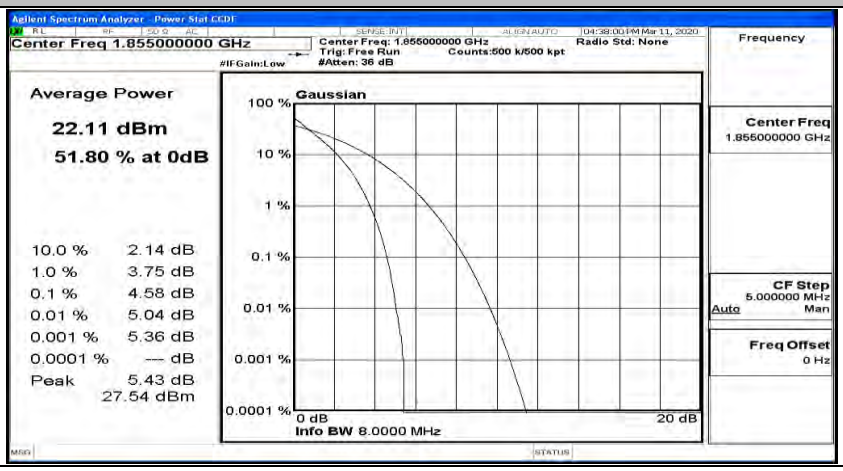
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



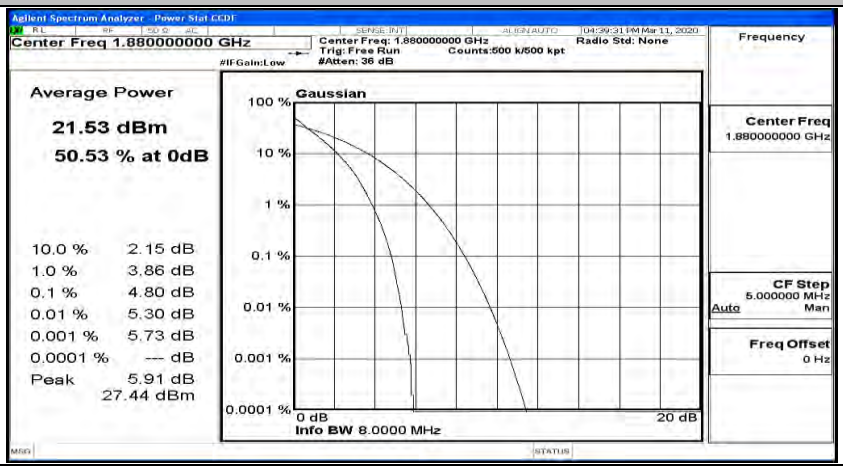
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



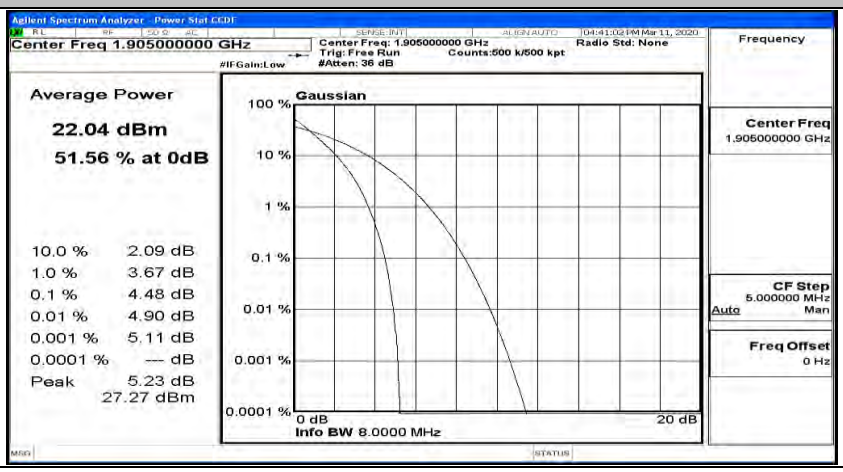
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



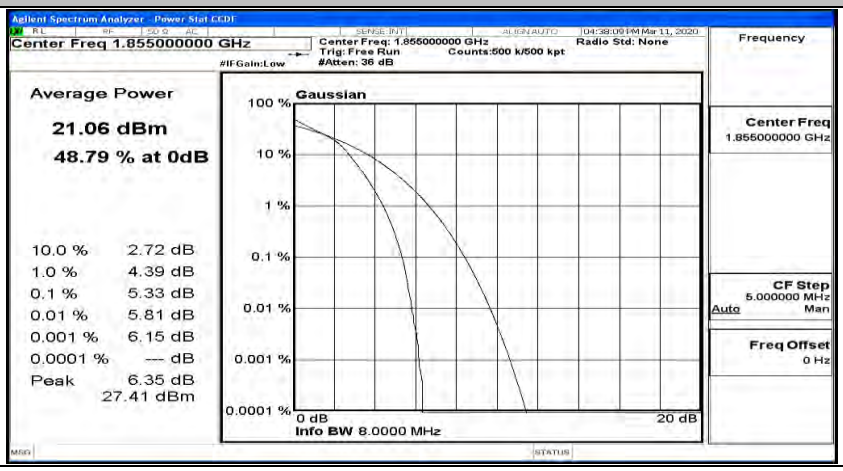
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



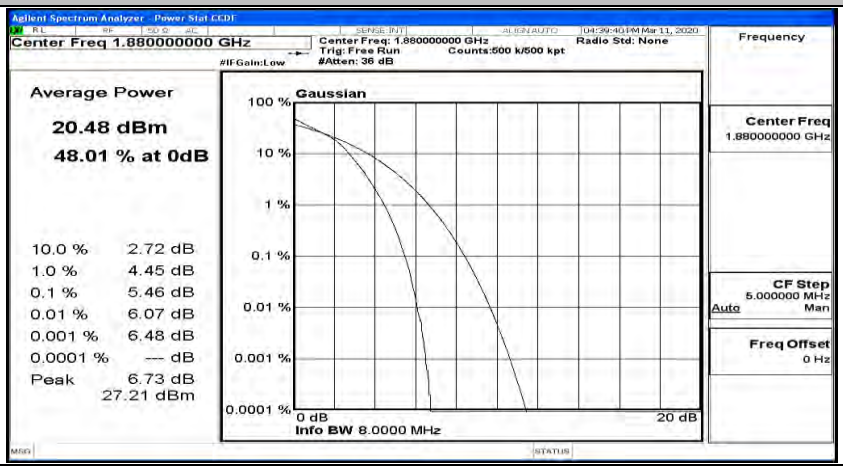
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



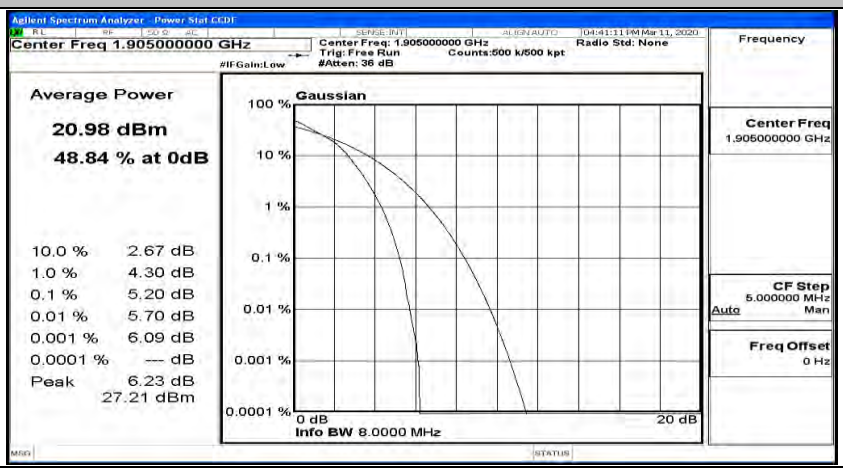
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



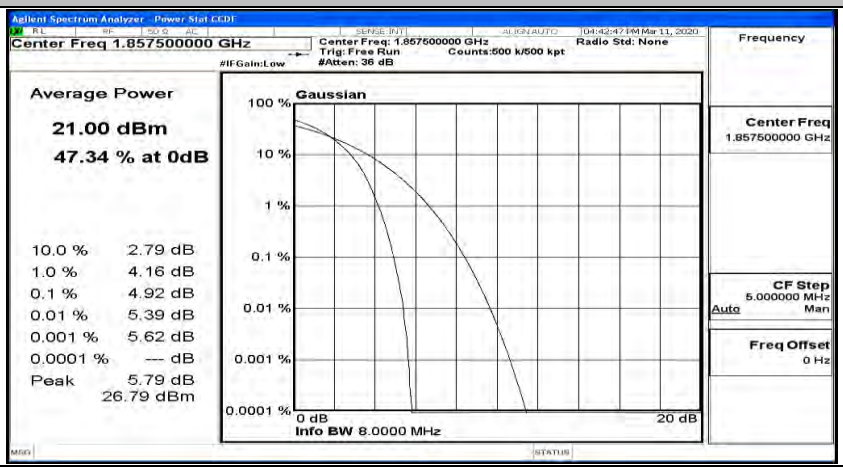
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



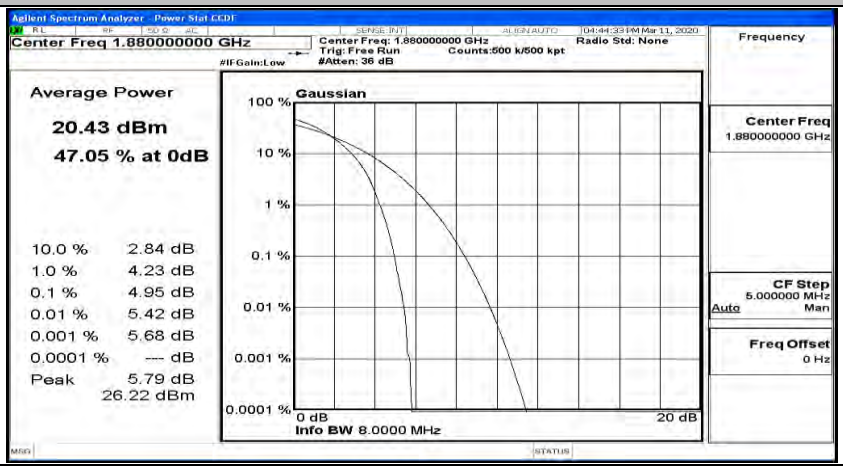
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



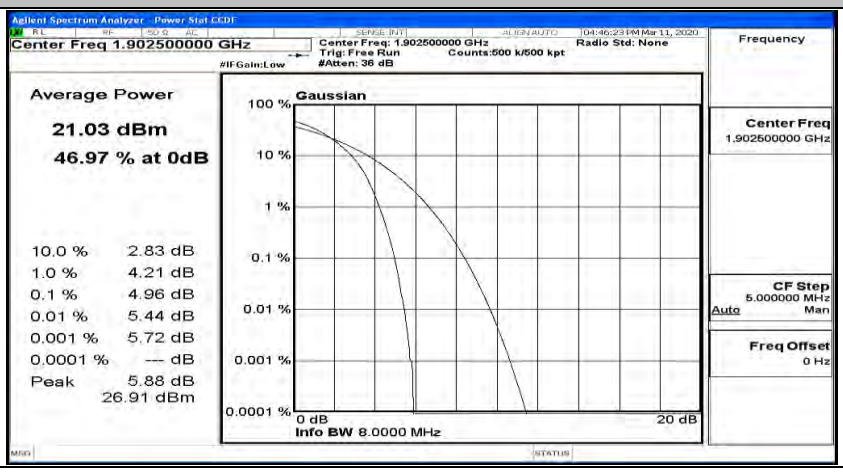
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



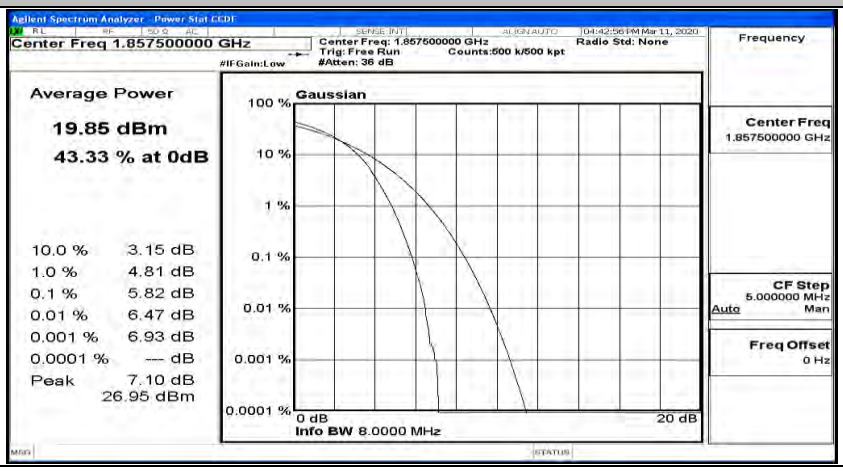
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK



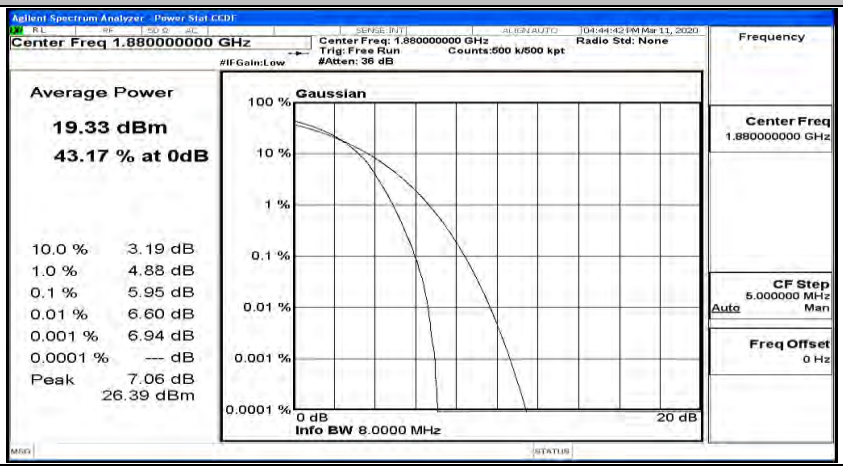
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



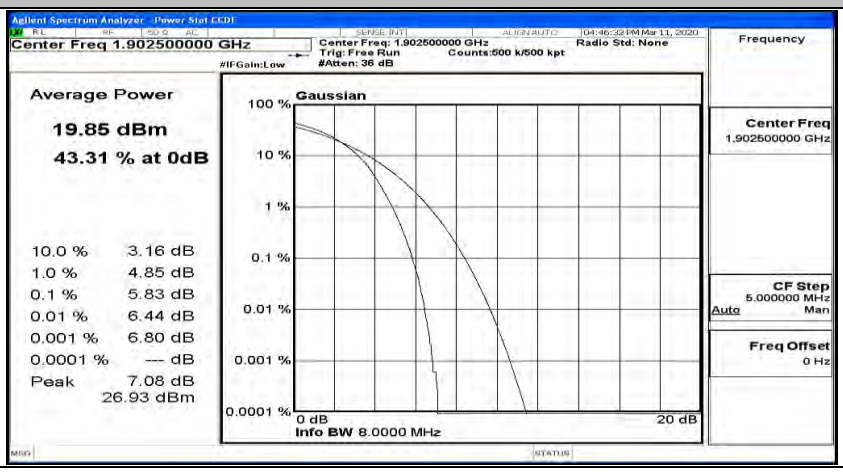
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



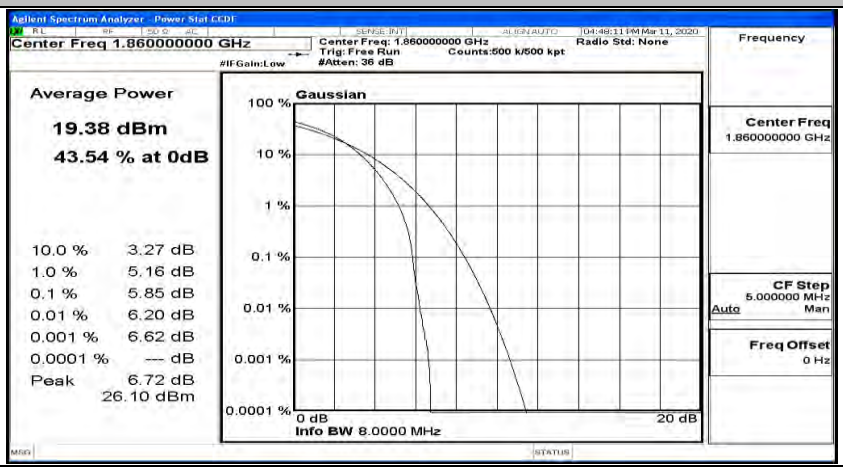
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM



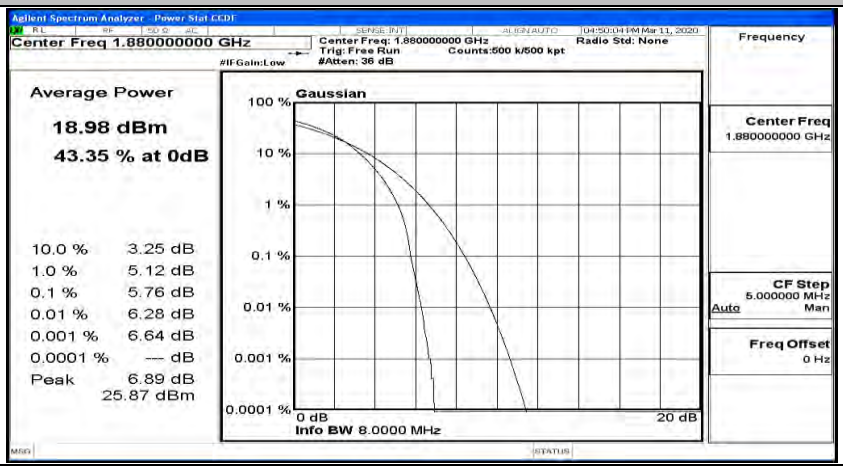
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



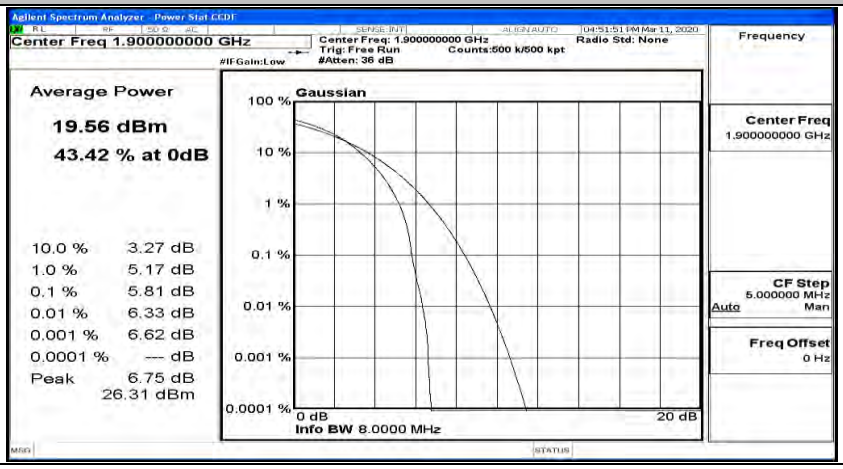
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



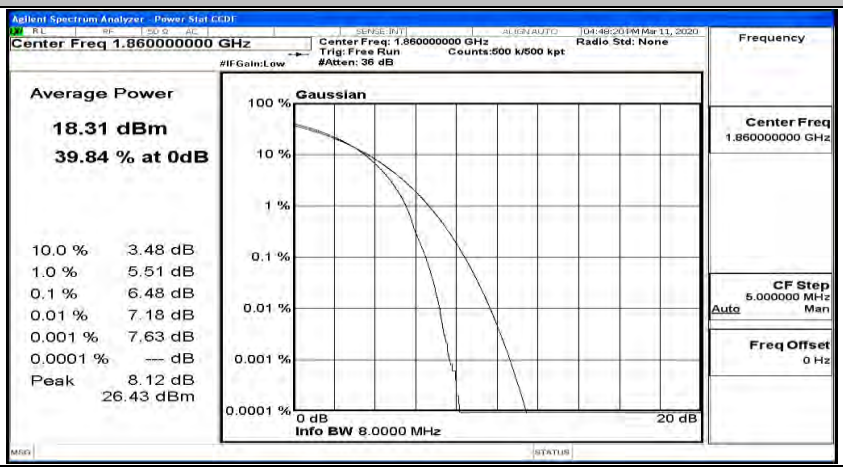
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK



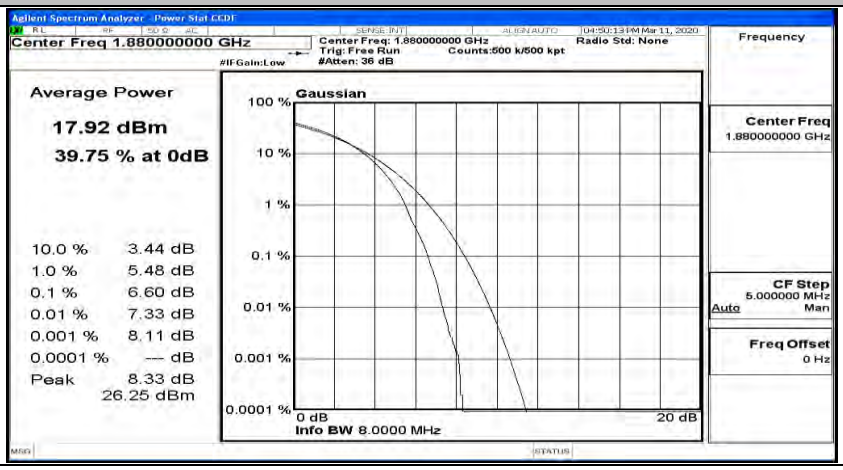
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



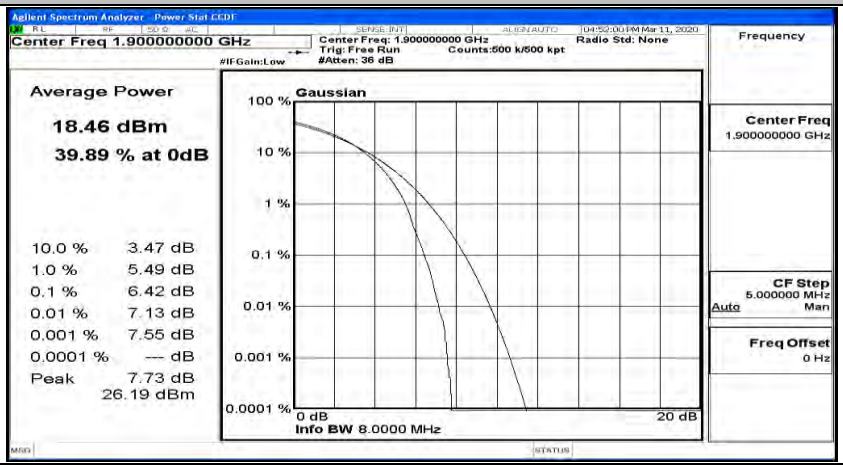
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM



Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_16QAM



Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM



G.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	1.0778	1.258	PASS
	MCH	1.0786	1.258	PASS
	HCH	1.3487	2.320	PASS
16QAM	LCH	1.0814	1.254	PASS
	MCH	1.0787	1.238	PASS
	HCH	1.0997	2.157	PASS

EBW & OBW Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	2.6828	2.864	PASS
	MCH	2.6839	2.845	PASS
	HCH	2.7000	4.741	PASS
16QAM	LCH	2.6804	2.834	PASS
	MCH	2.6795	2.844	PASS
	HCH	2.6907	4.172	PASS

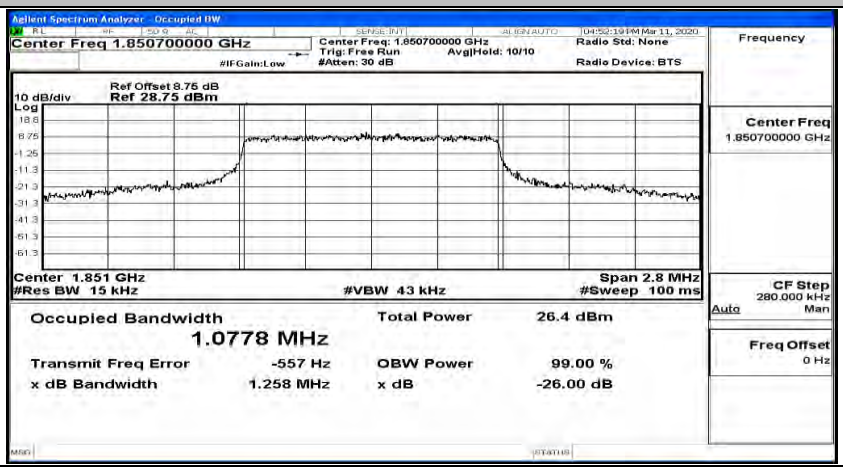
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4774	4.755	PASS
	MCH	4.4769	4.721	PASS
	HCH	4.4866	6.220	PASS
16QAM	LCH	4.4715	4.755	PASS
	MCH	4.4807	4.749	PASS
	HCH	4.4939	5.263	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9518	9.418	PASS
	MCH	8.9557	9.516	PASS
	HCH	8.9664	11.63	PASS
16QAM	LCH	8.9425	9.381	PASS
	MCH	8.9483	9.487	PASS
	HCH	8.9498	9.511	PASS

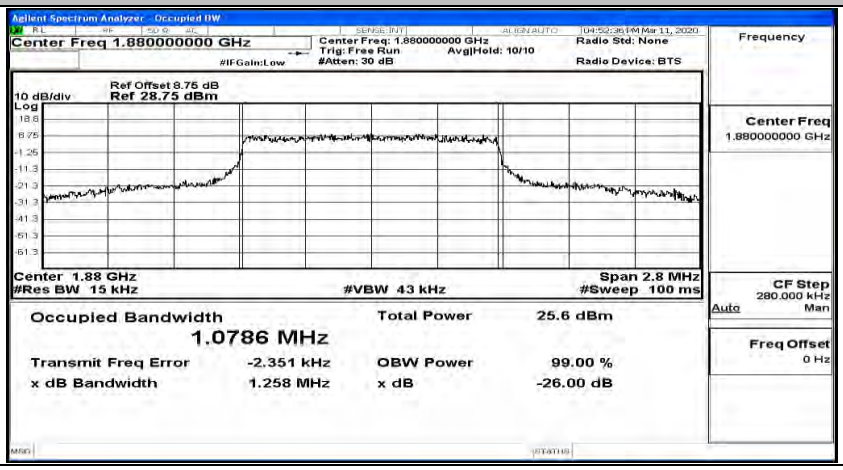
EBW & OBW Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	13.424	19.41	PASS
	MCH	13.459	18.83	PASS
	HCH	13.447	21.52	PASS
16QAM	LCH	13.407	14.08	PASS
	MCH	13.424	14.03	PASS
	HCH	13.430	17.64	PASS

EBW & OBW Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	17.872	18.68	PASS
	MCH	17.885	18.84	PASS
	HCH	17.870	20.90	PASS
16QAM	LCH	17.870	18.59	PASS
	MCH	17.882	18.64	PASS
	HCH	17.866	18.88	PASS

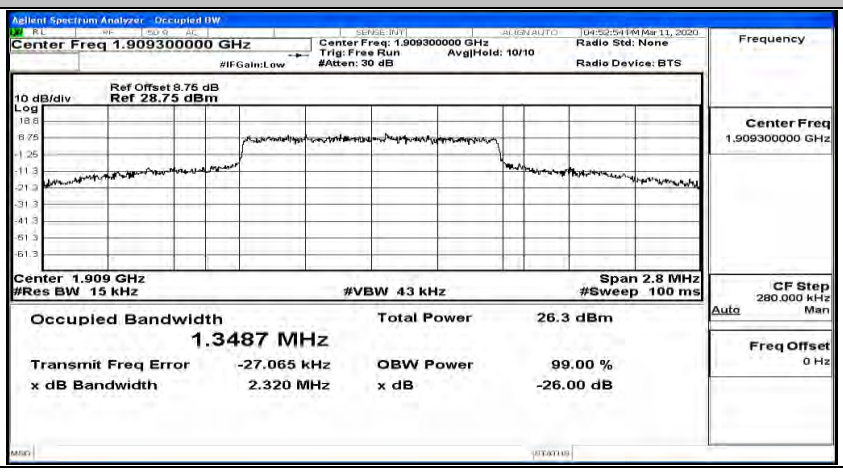
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



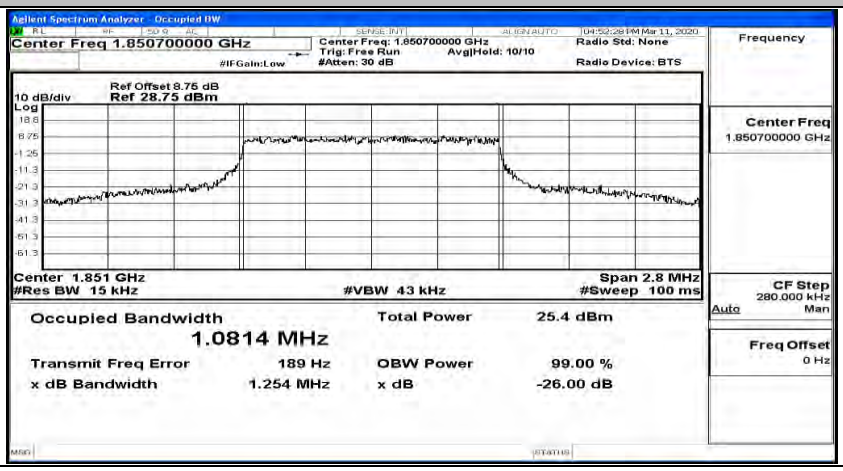
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



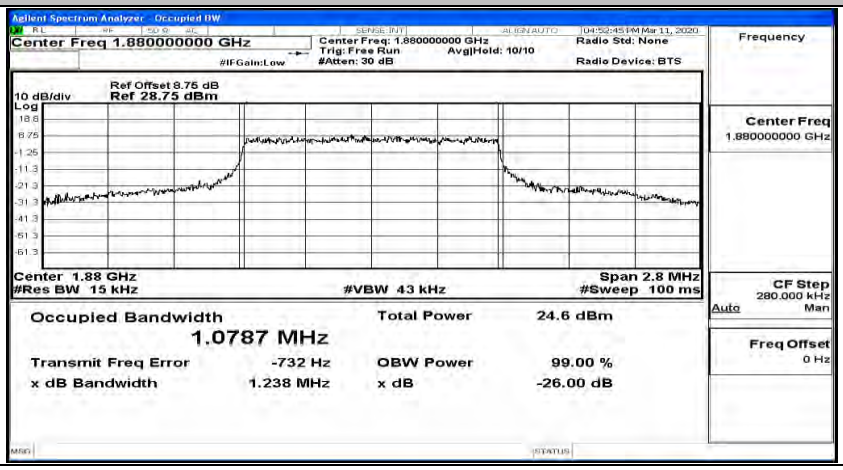
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



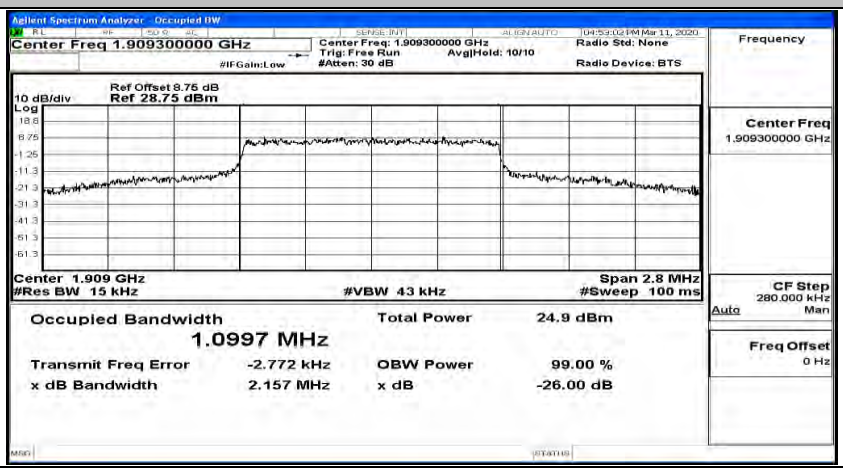
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



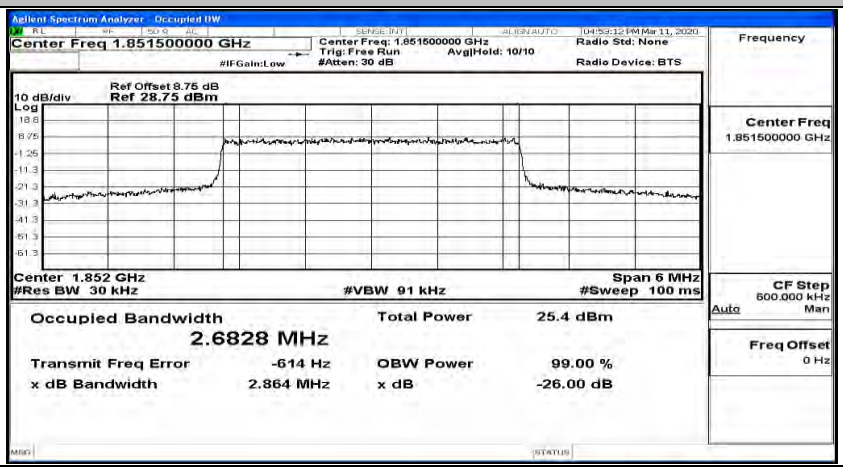
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



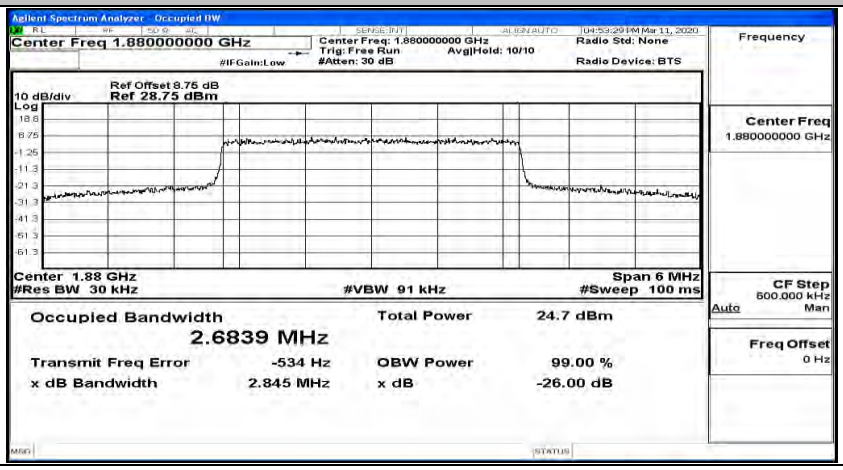
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



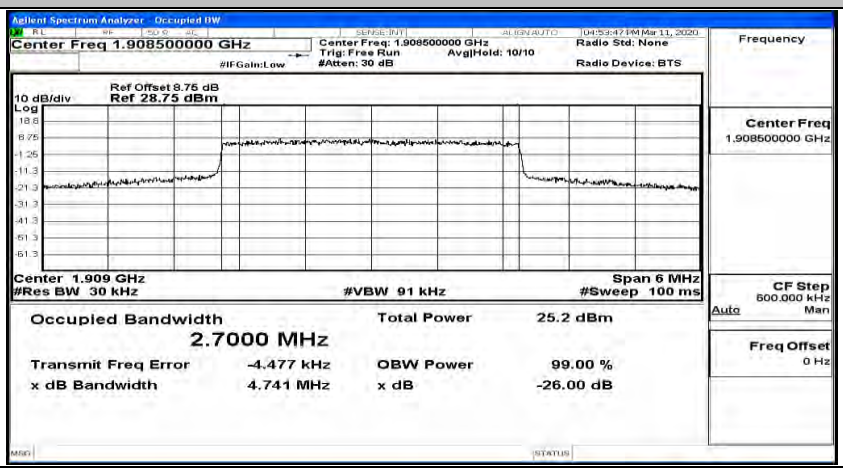
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



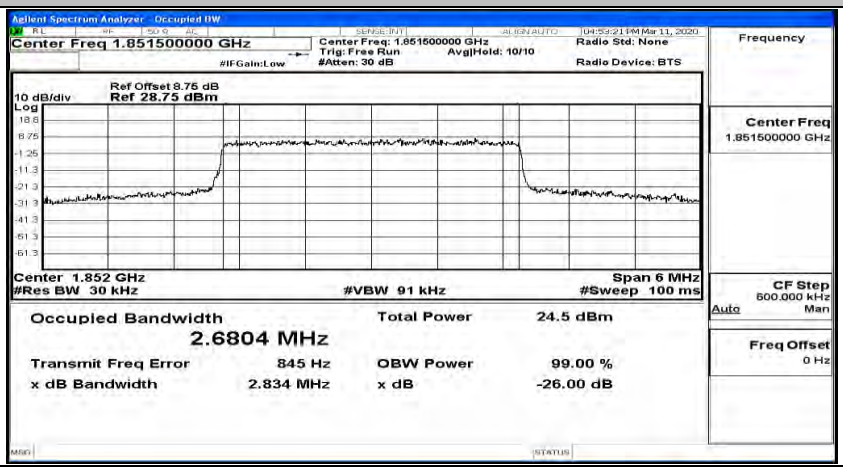
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



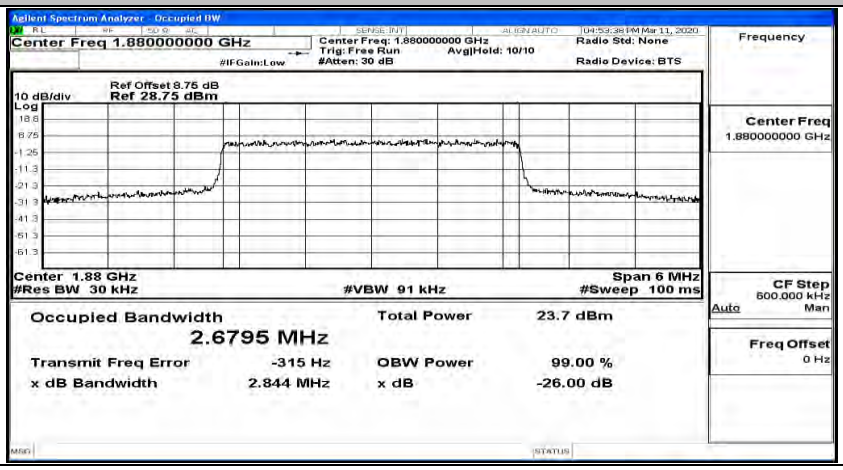
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



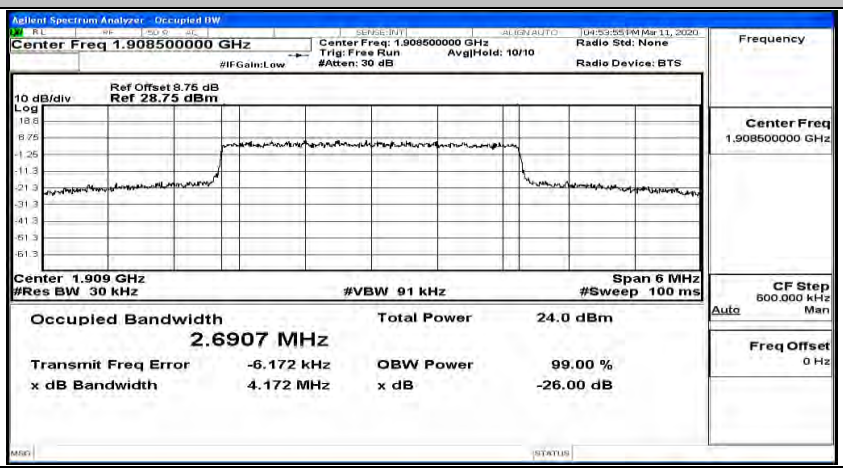
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



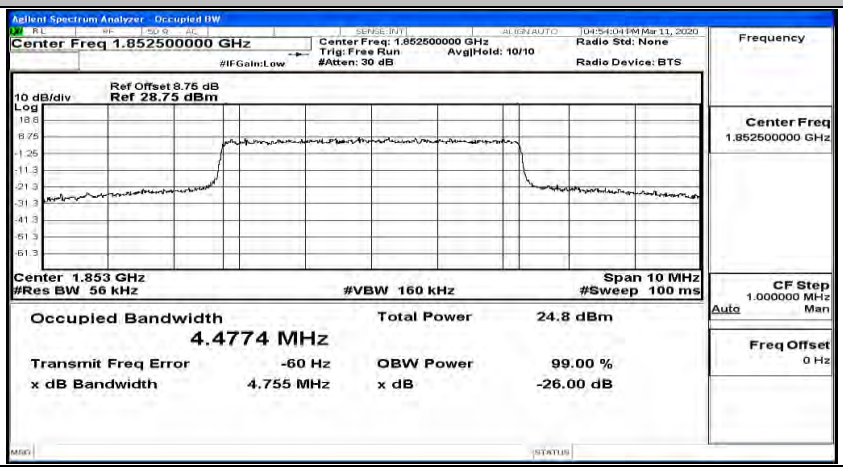
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



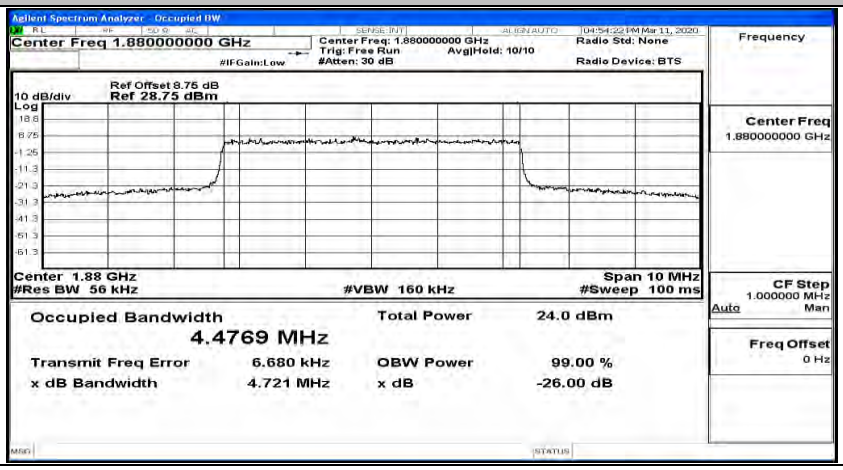
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



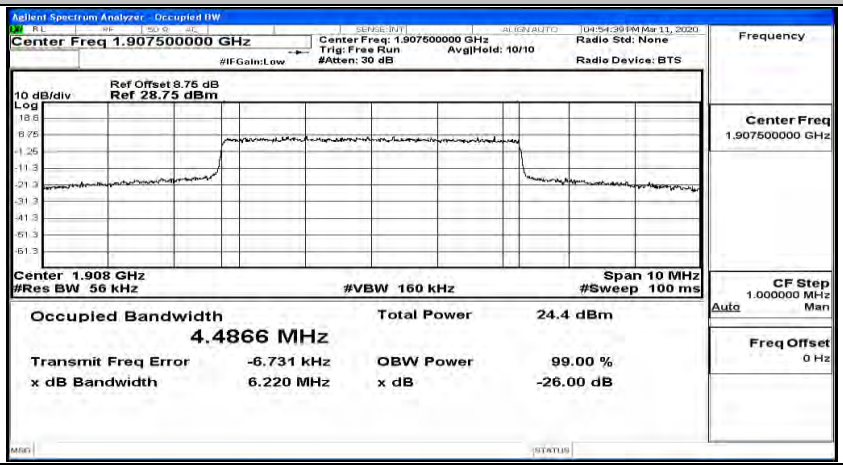
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



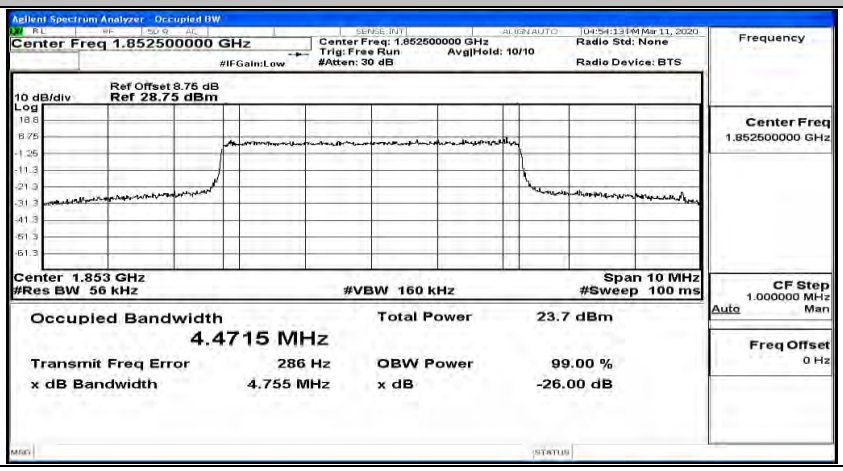
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



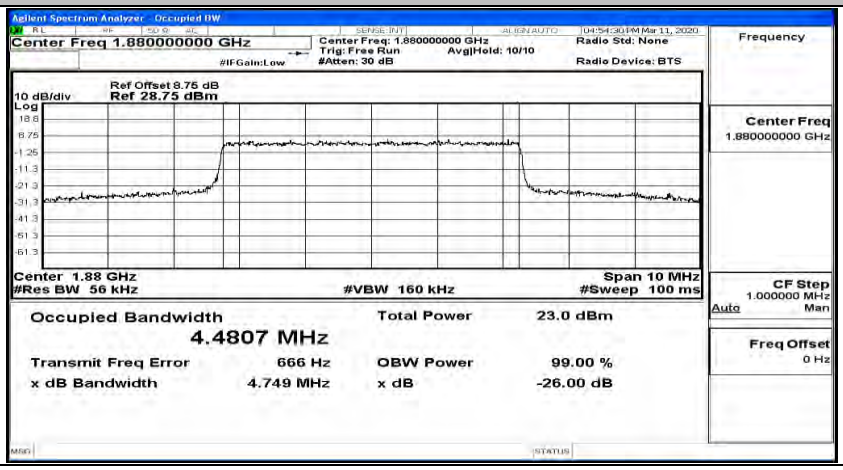
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



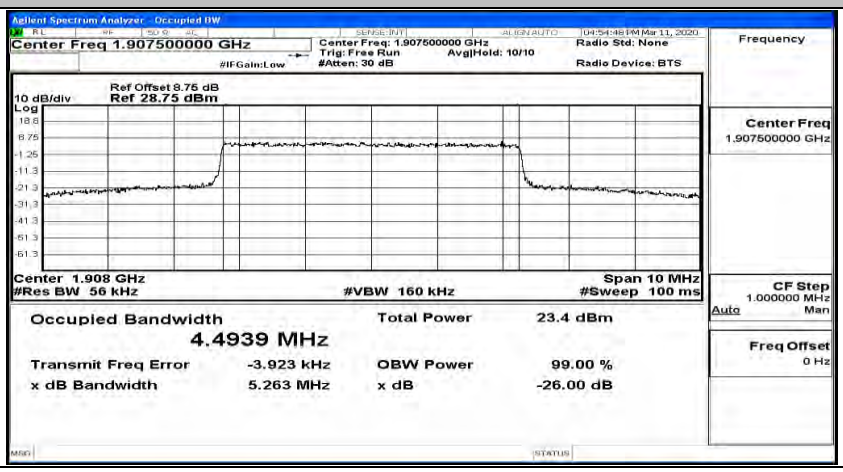
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



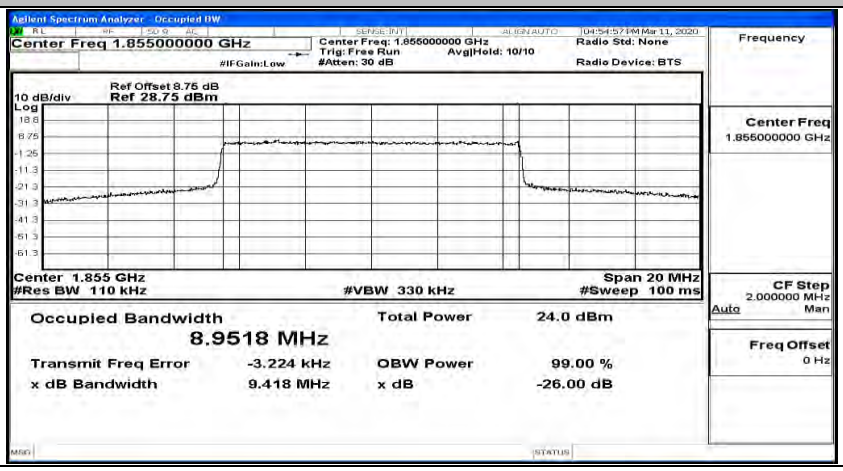
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



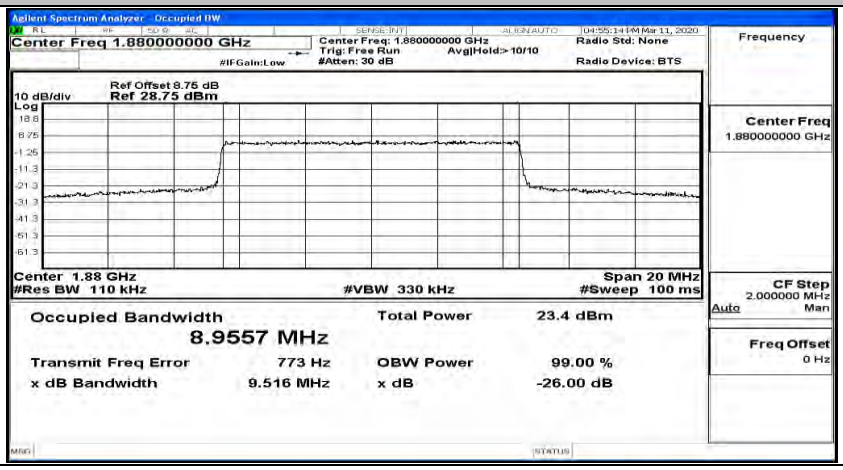
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



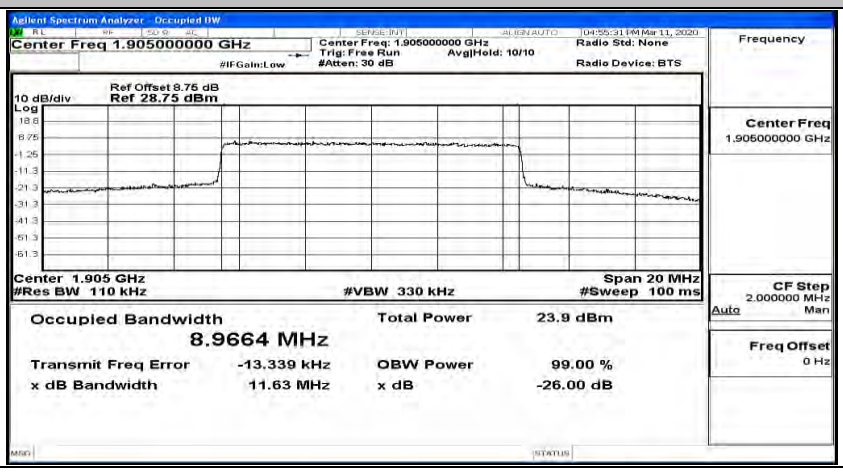
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



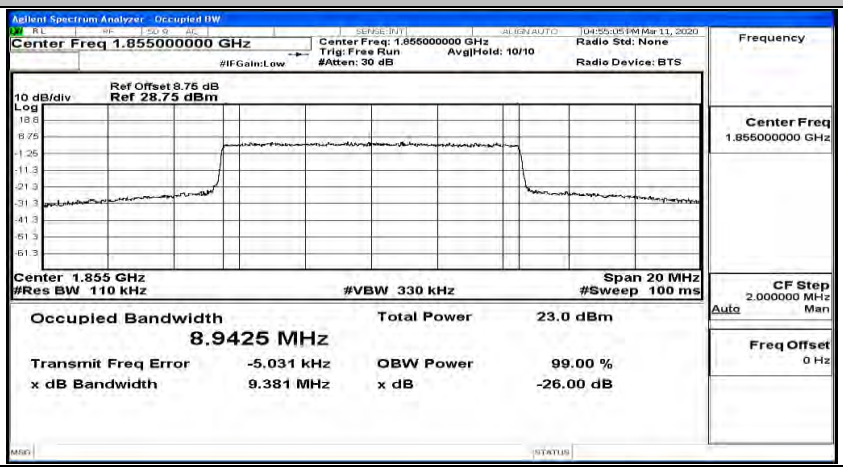
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



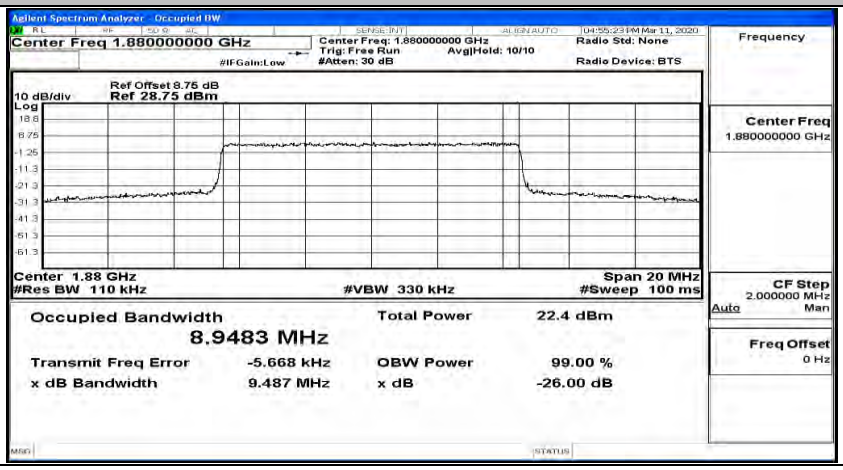
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



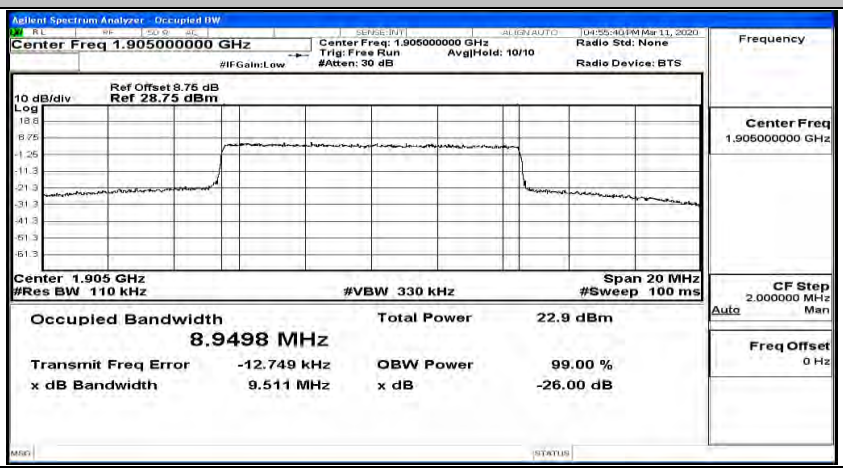
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



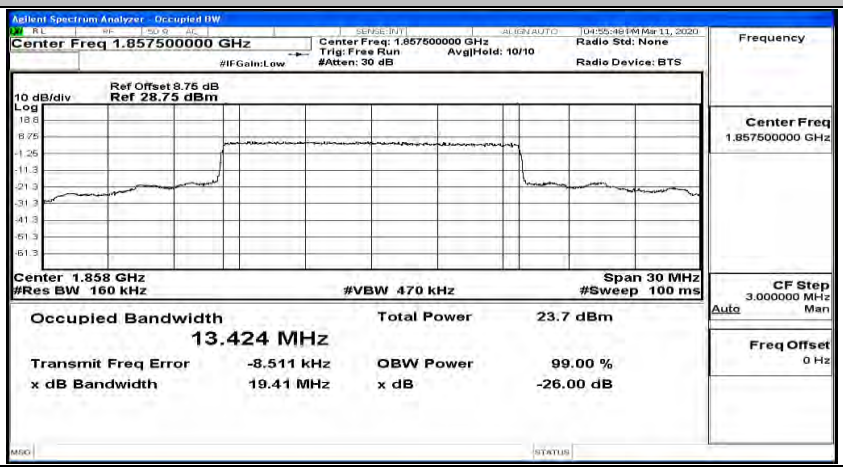
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



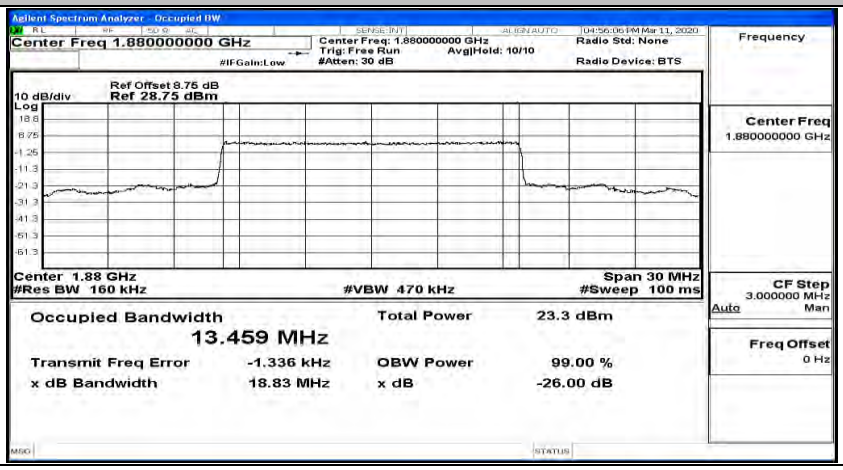
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



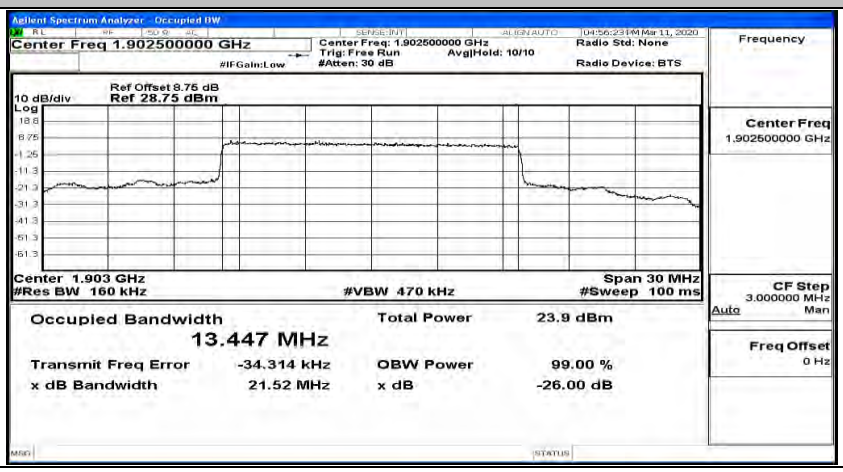
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



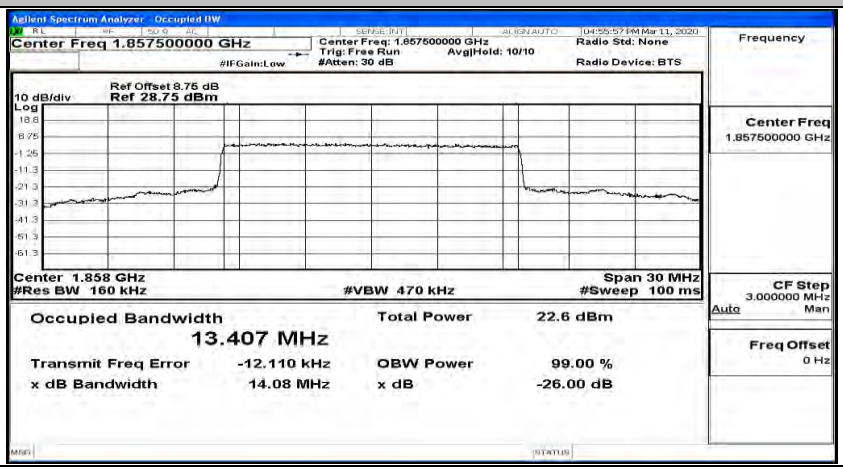
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK



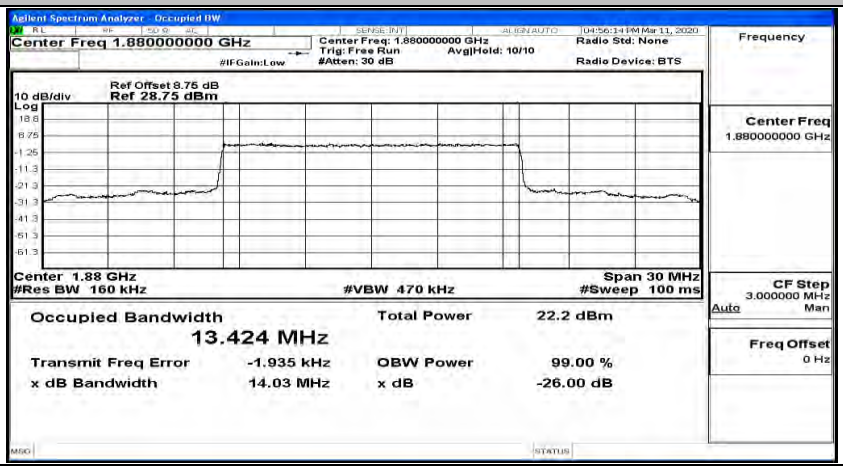
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



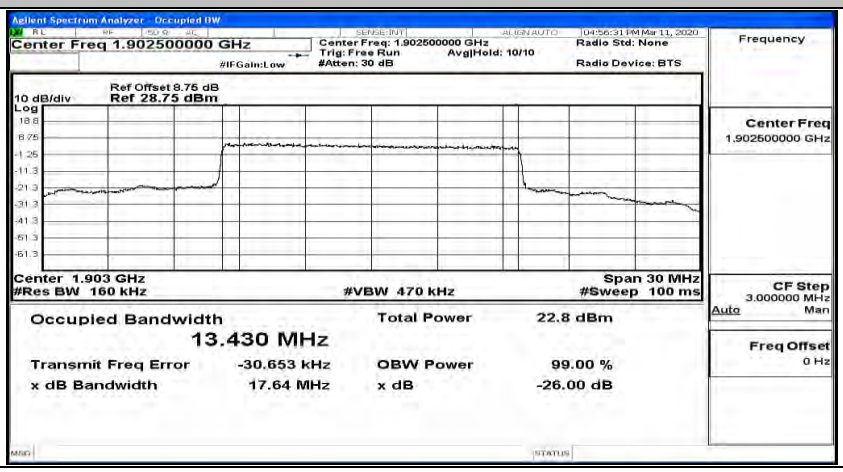
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



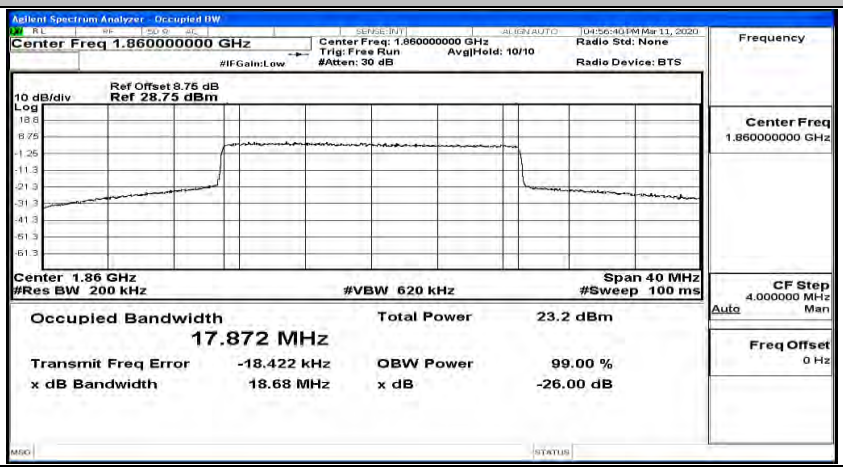
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM



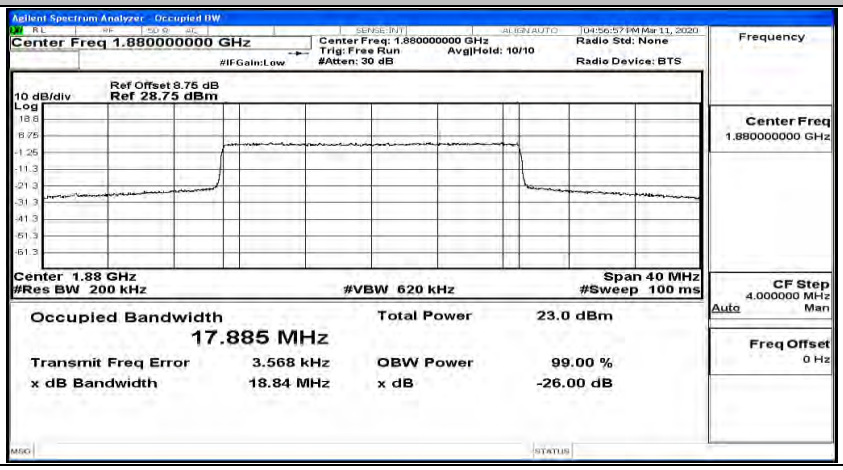
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



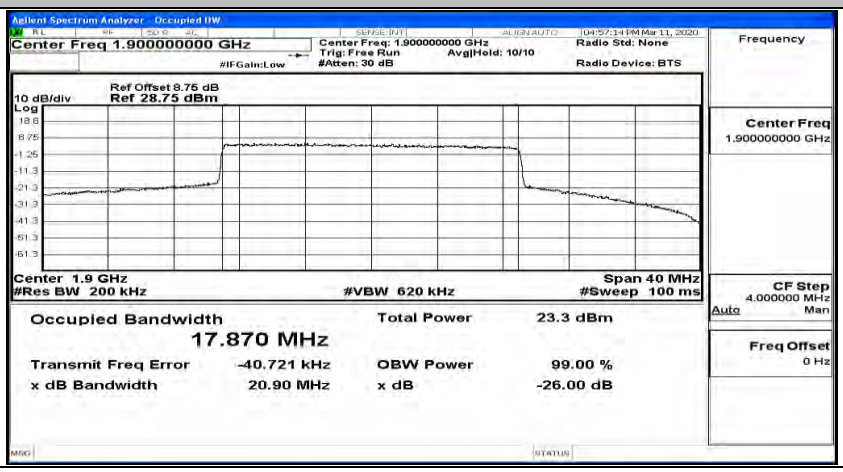
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



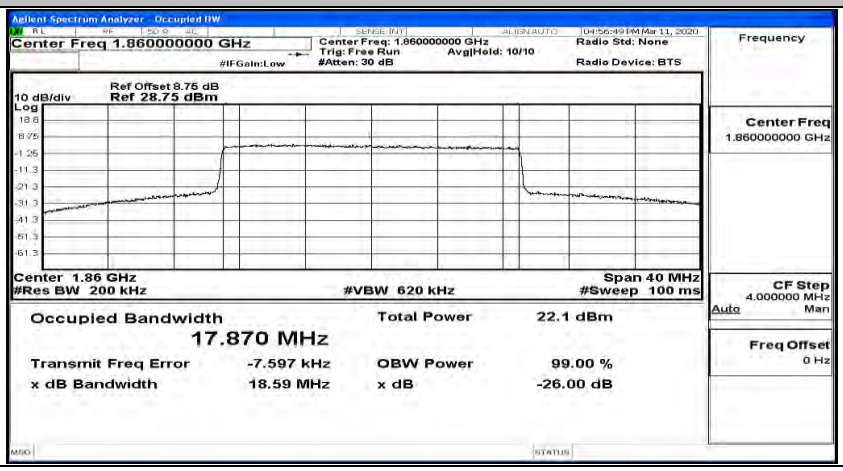
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK



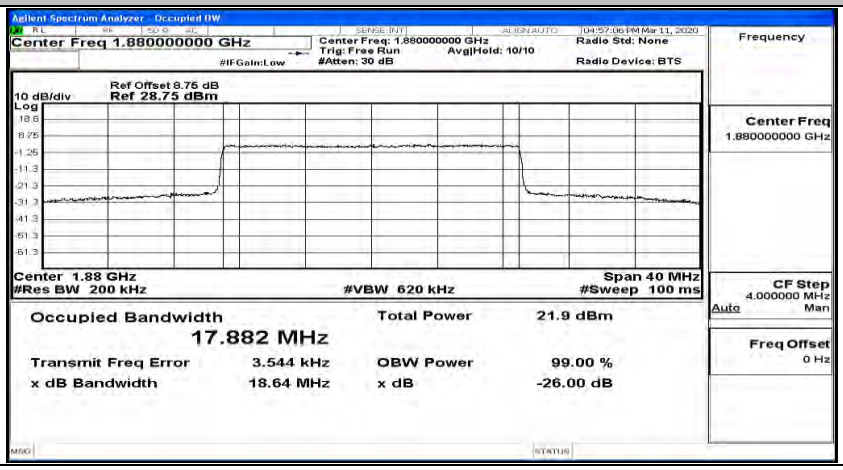
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



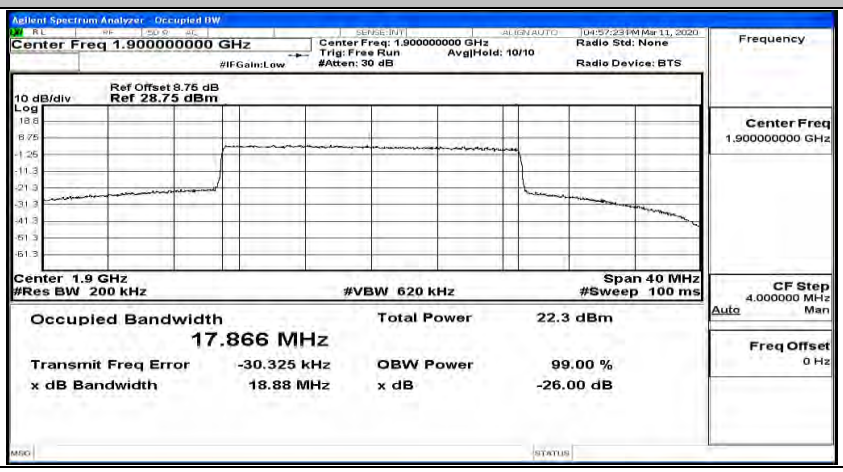
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM



EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_16QAM

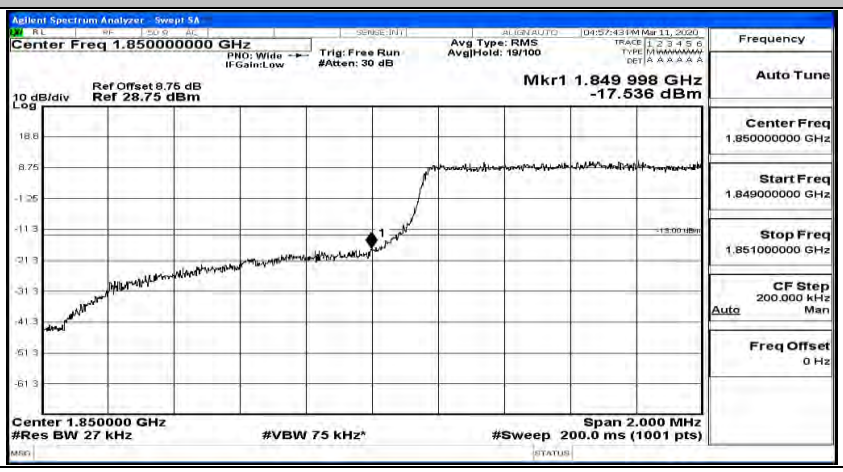


EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM

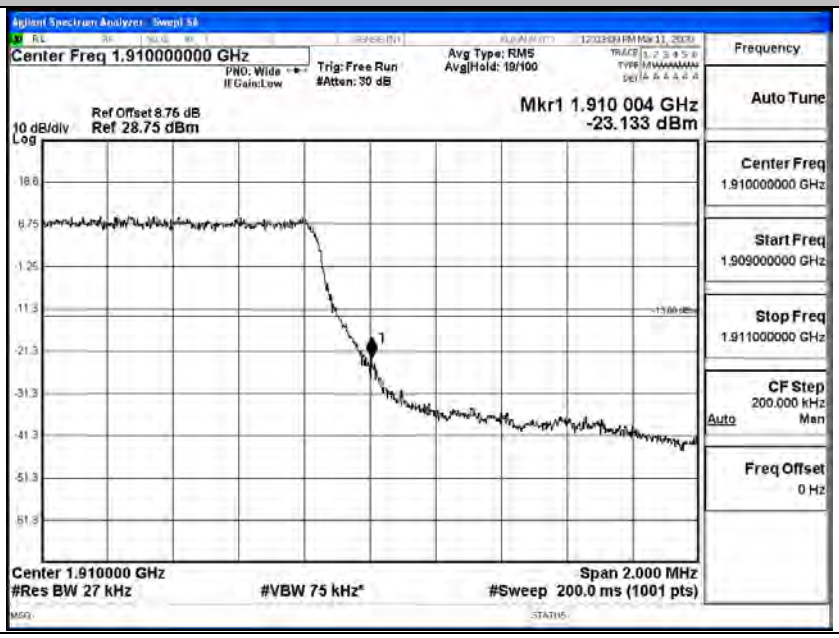


G.4 Band Edge

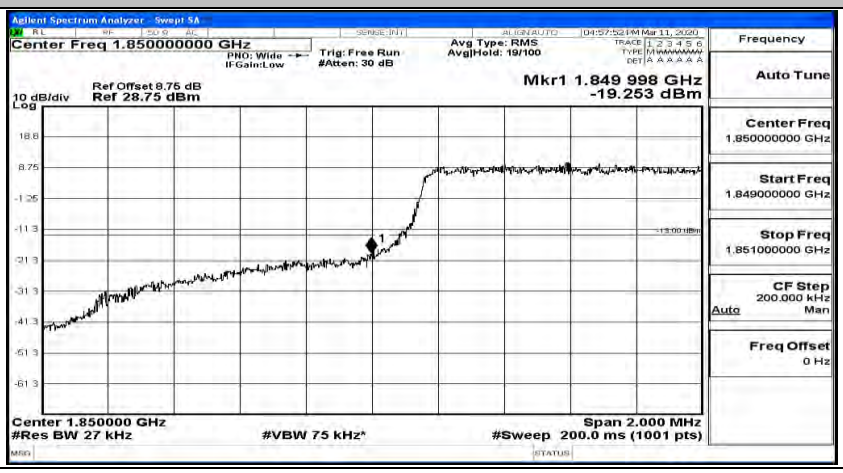
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



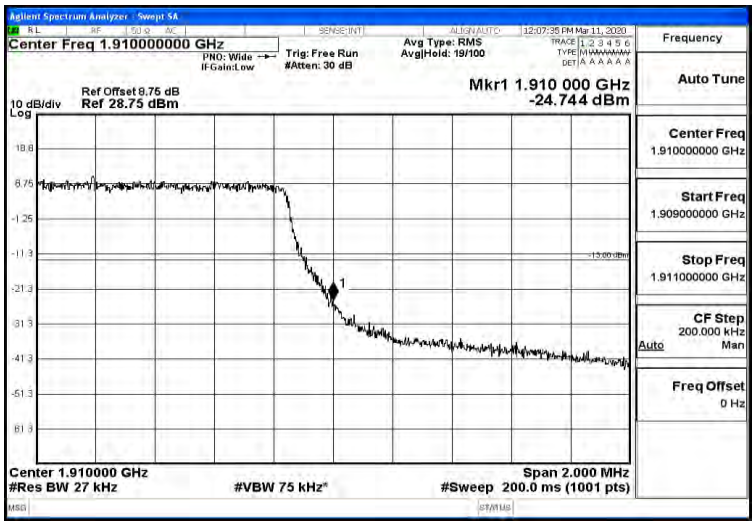
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



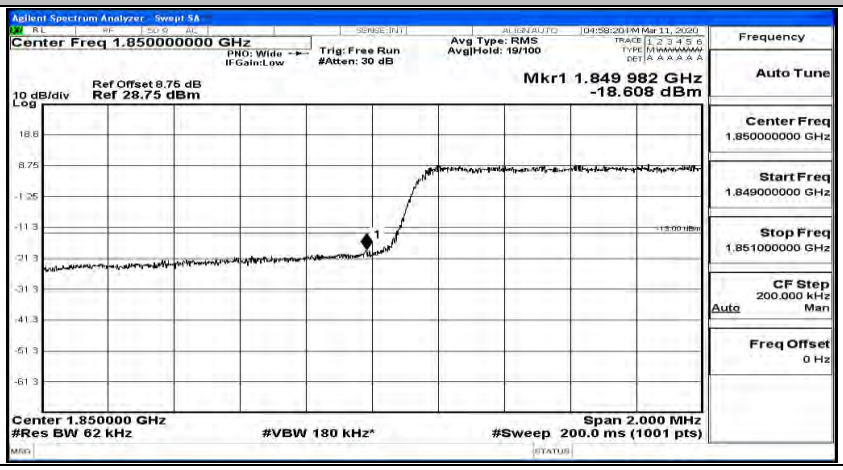
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



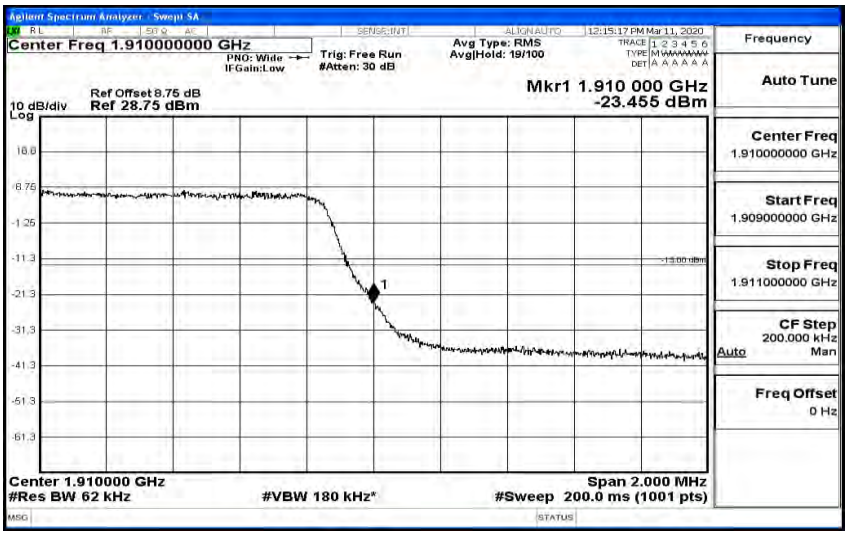
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



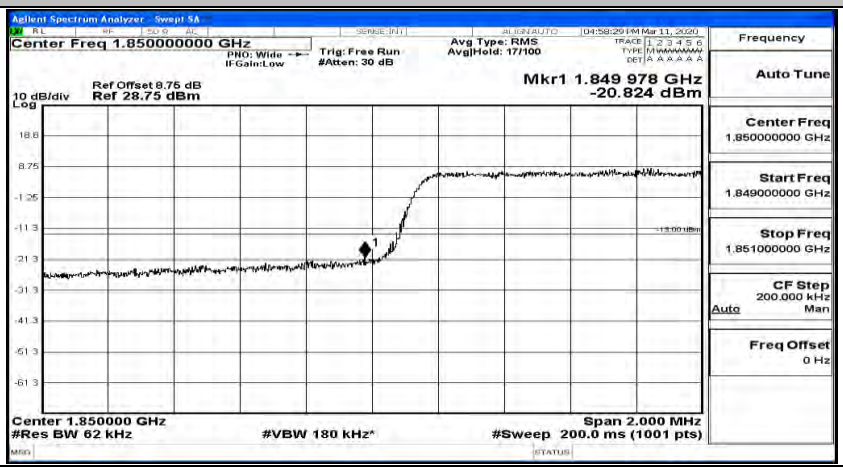
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



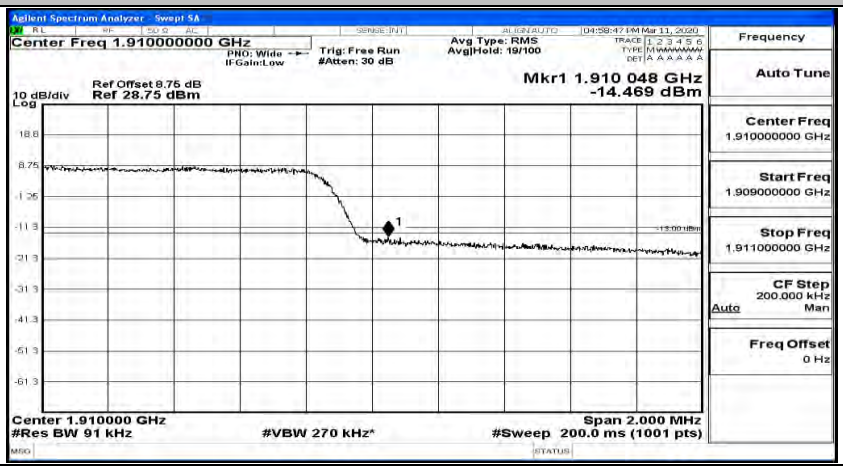
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



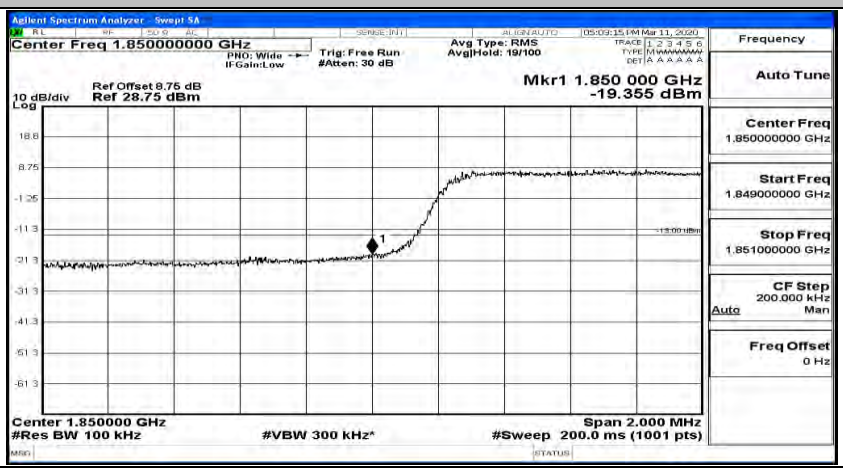
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



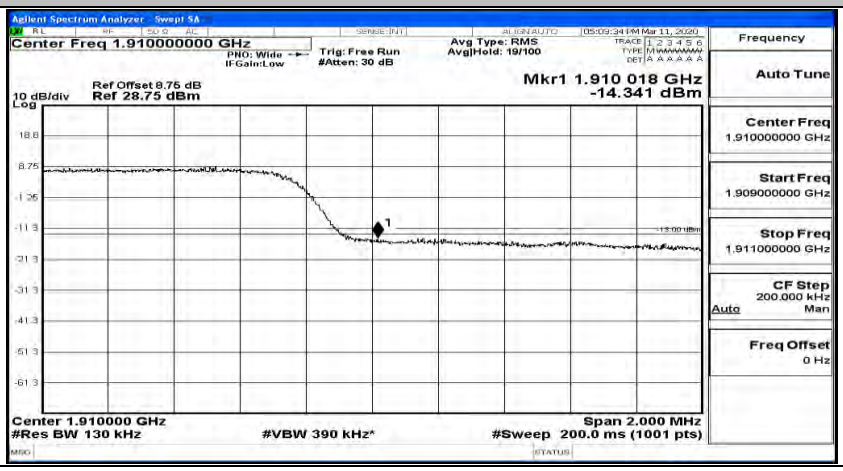
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



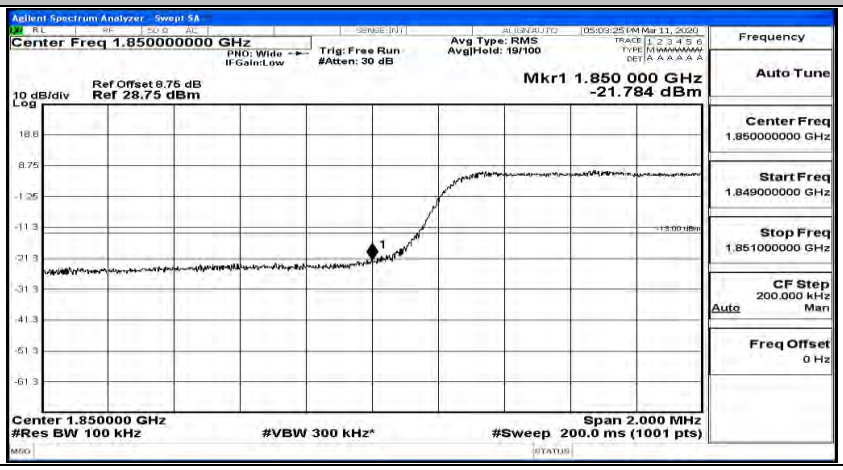
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



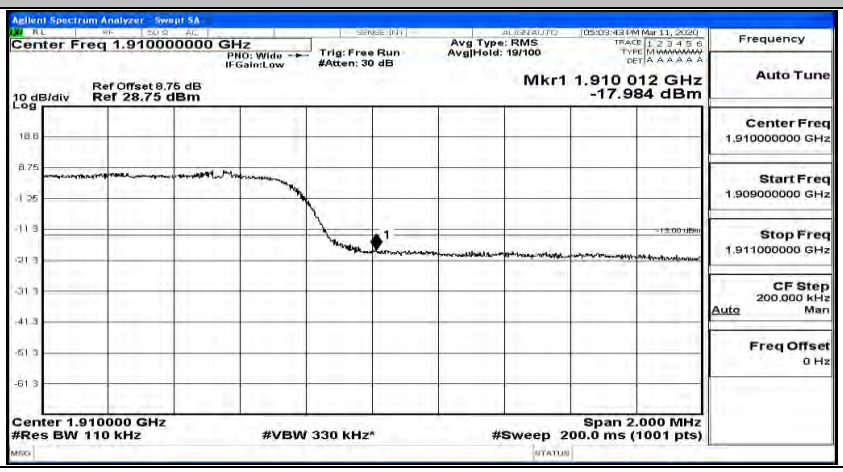
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



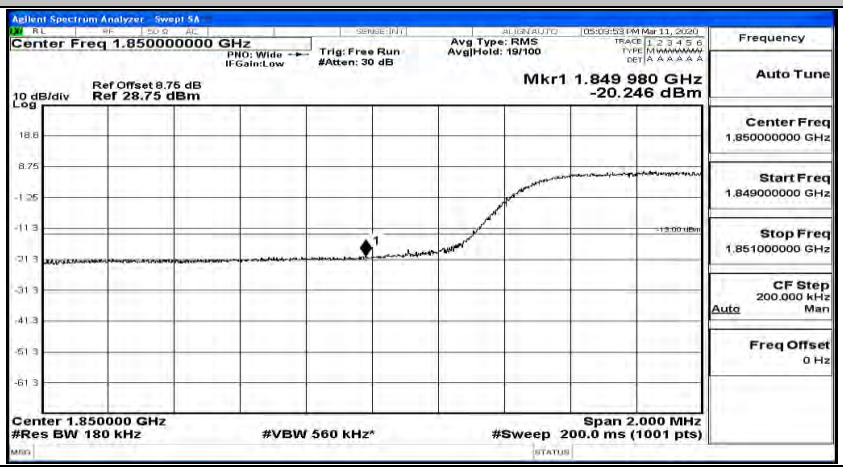
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



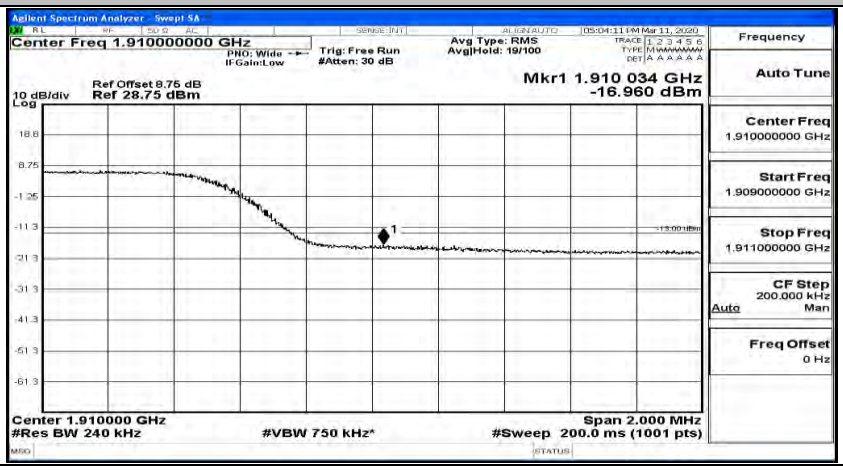
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



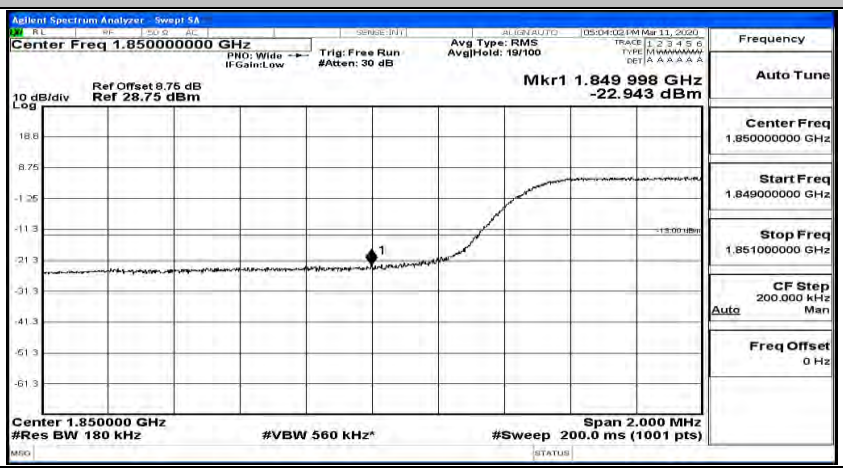
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



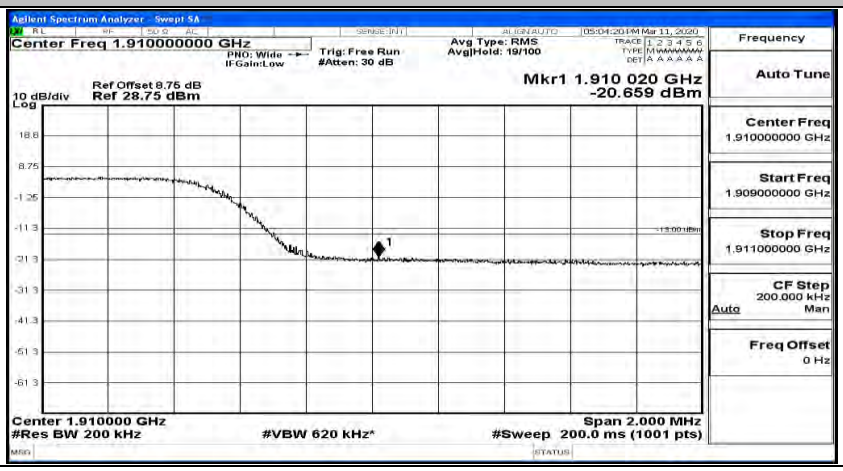
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



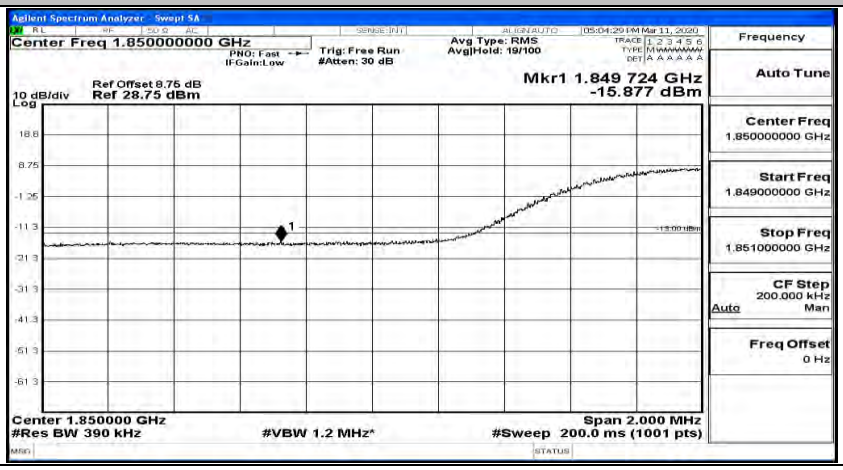
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



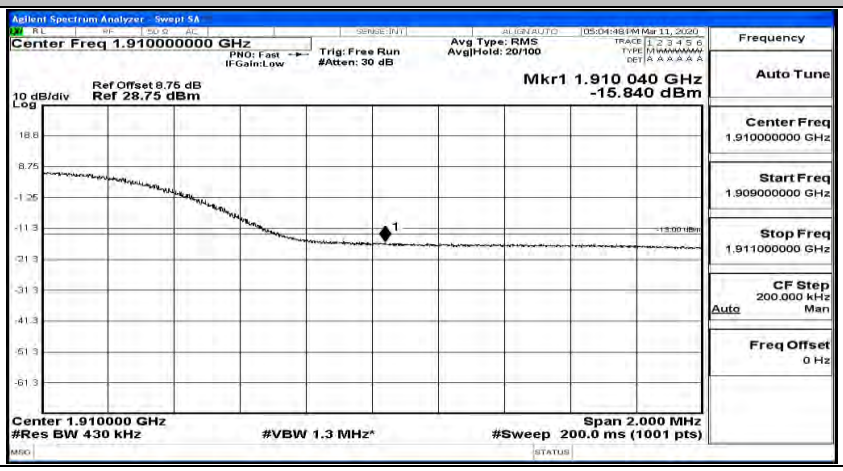
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



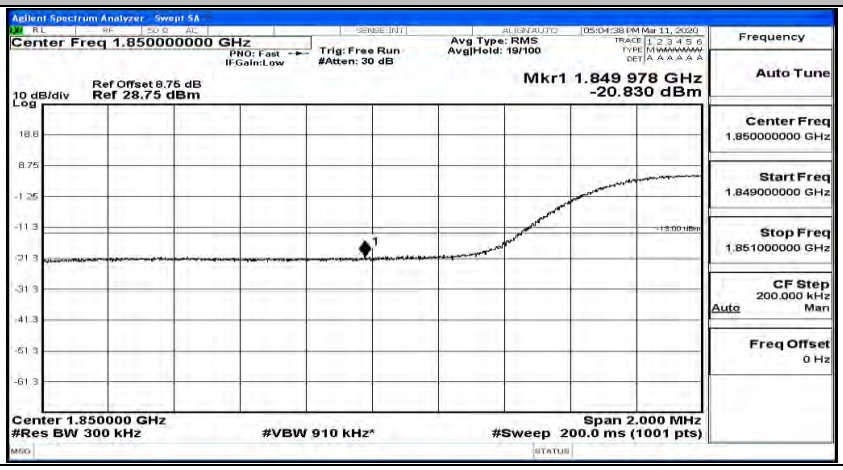
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



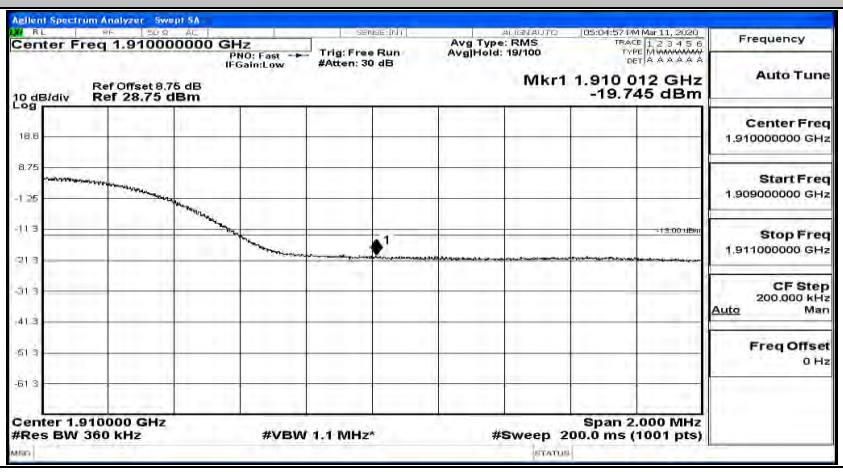
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



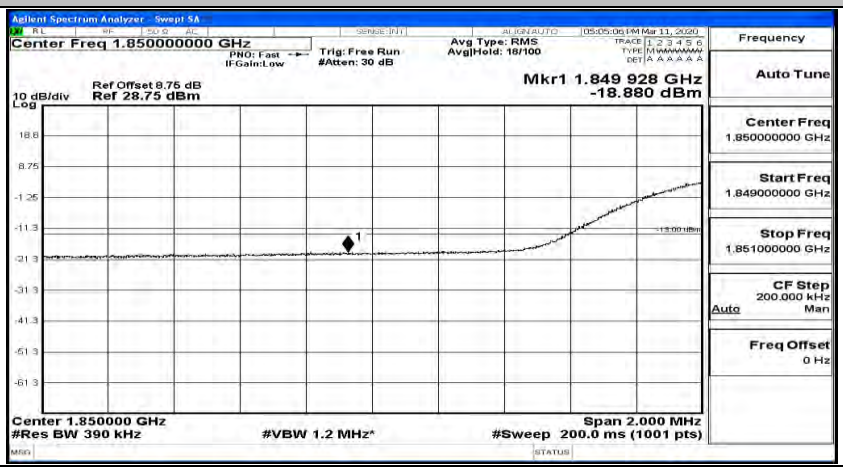
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



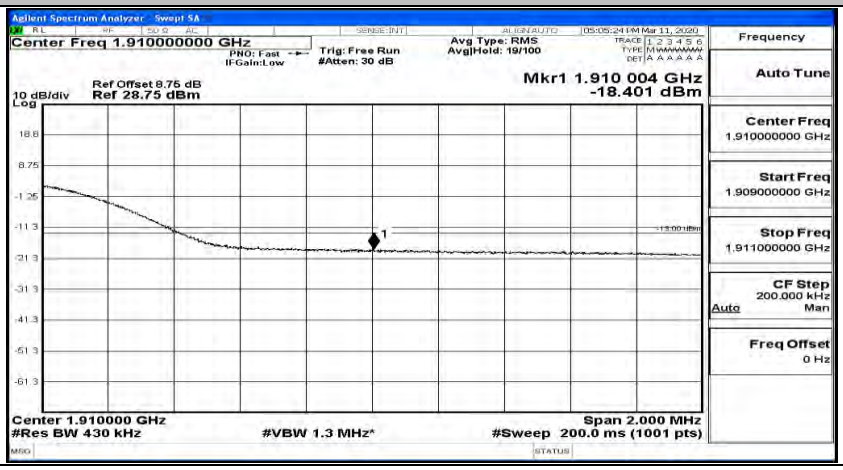
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



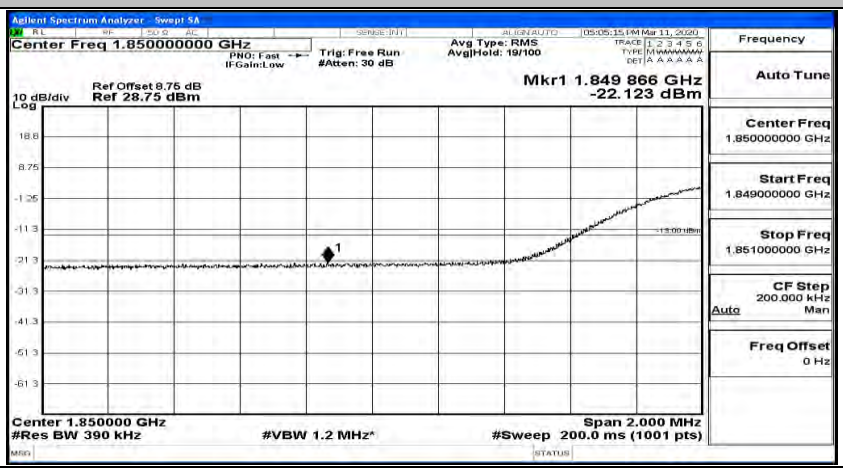
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK

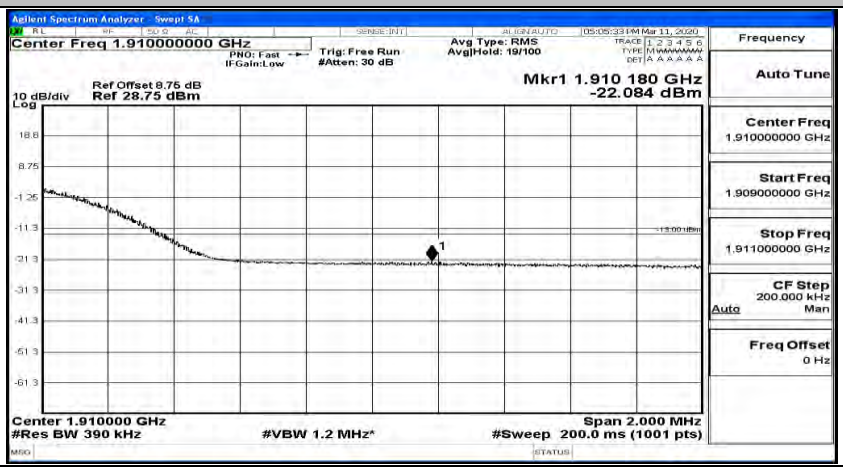


Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM

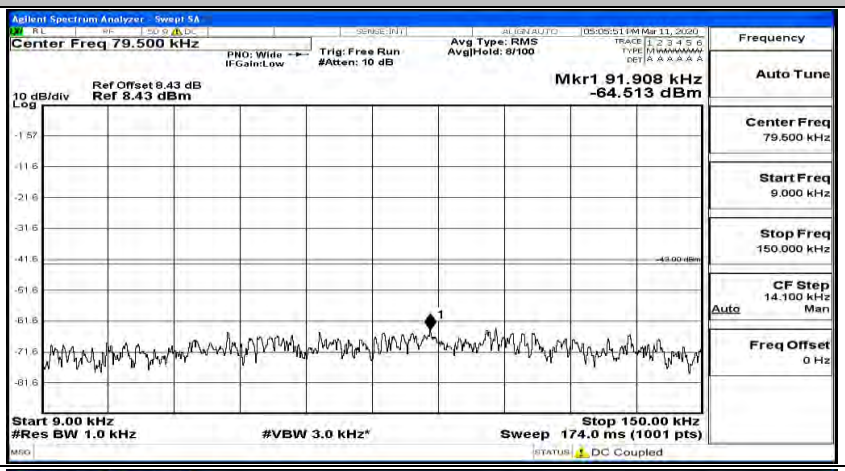


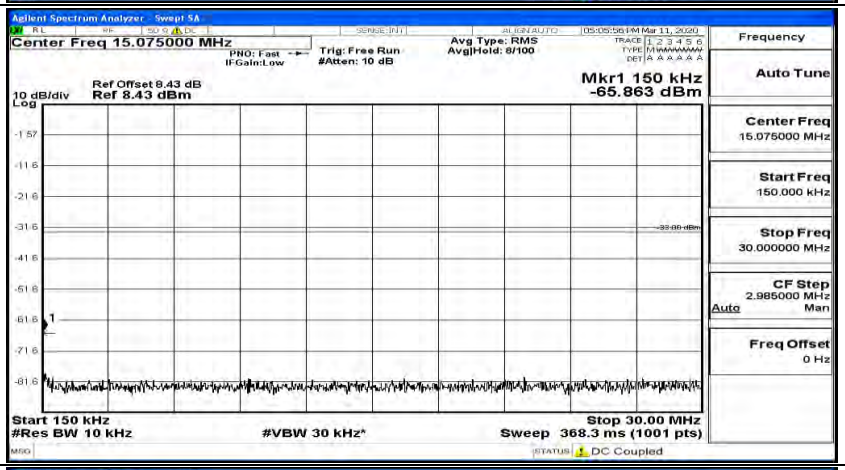
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM


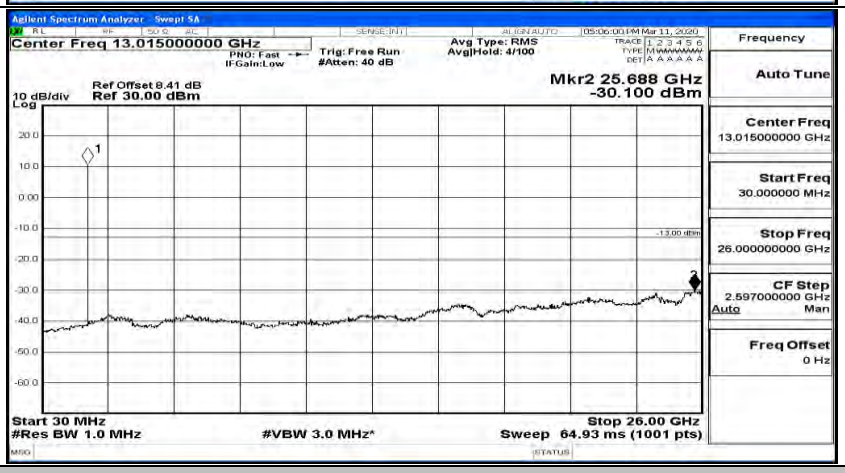
G.5 Conducted Spurious Emission

Channel Bandwidth: 1.4 MHz

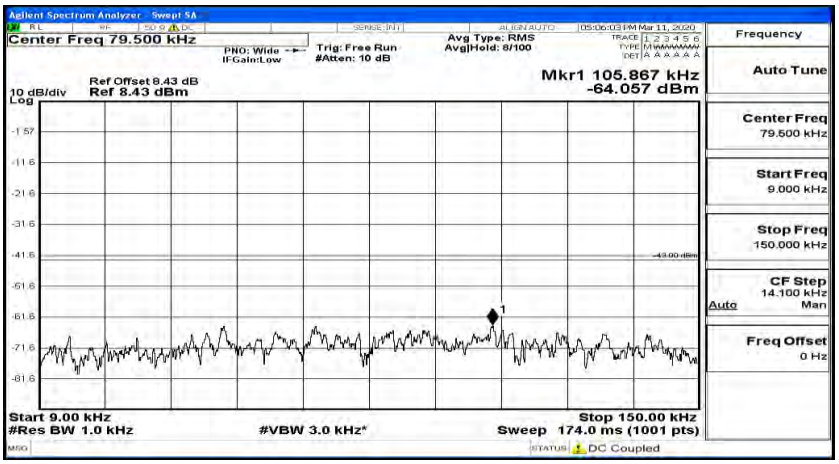
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0

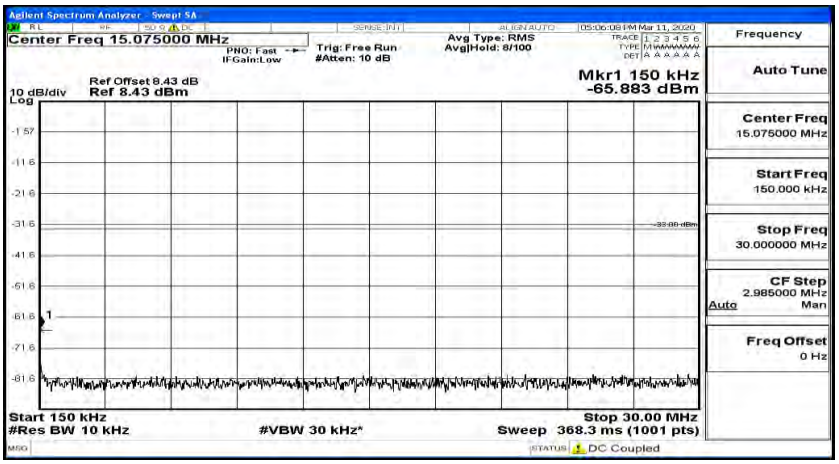




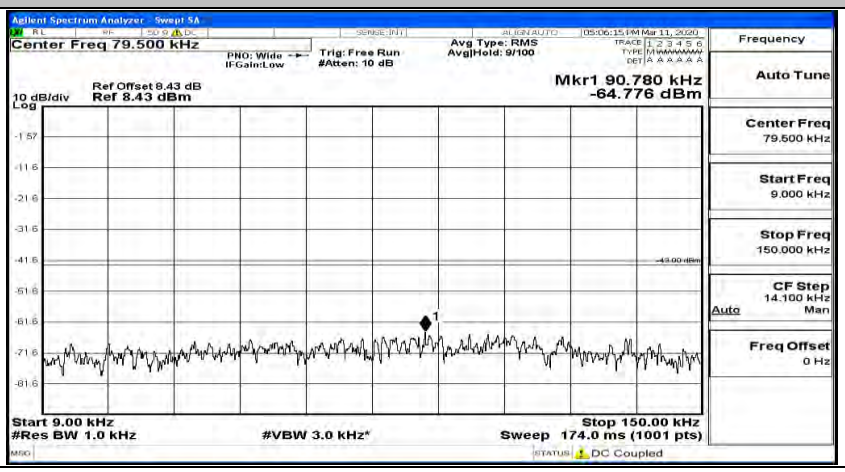


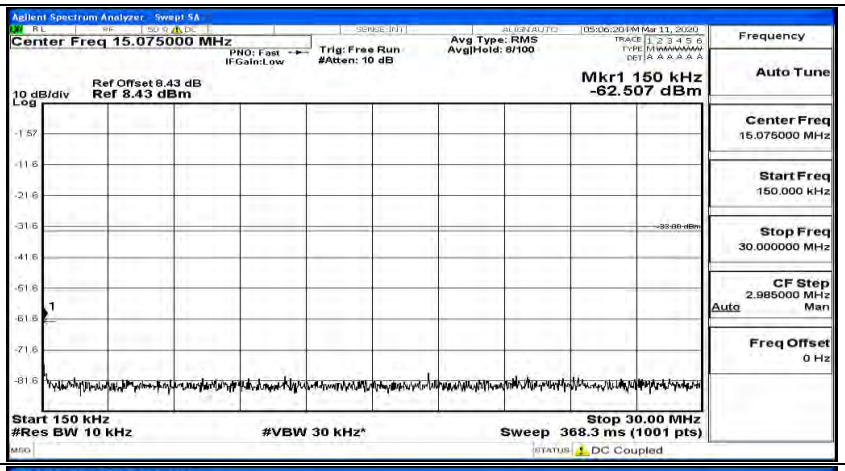
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3

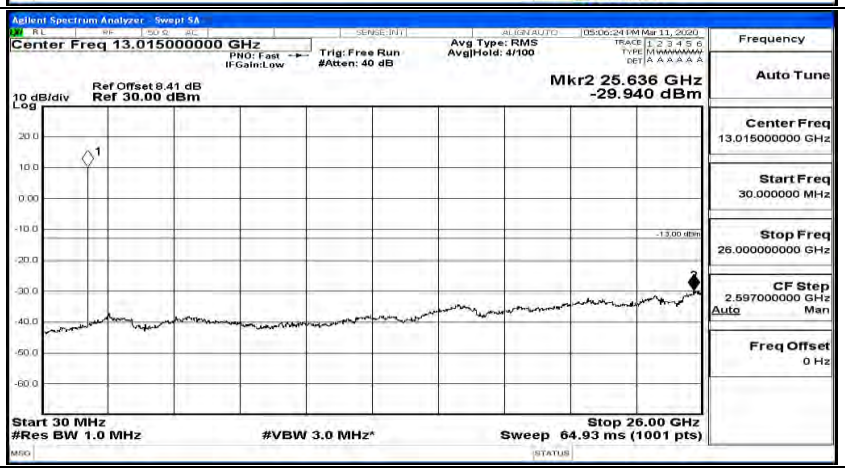




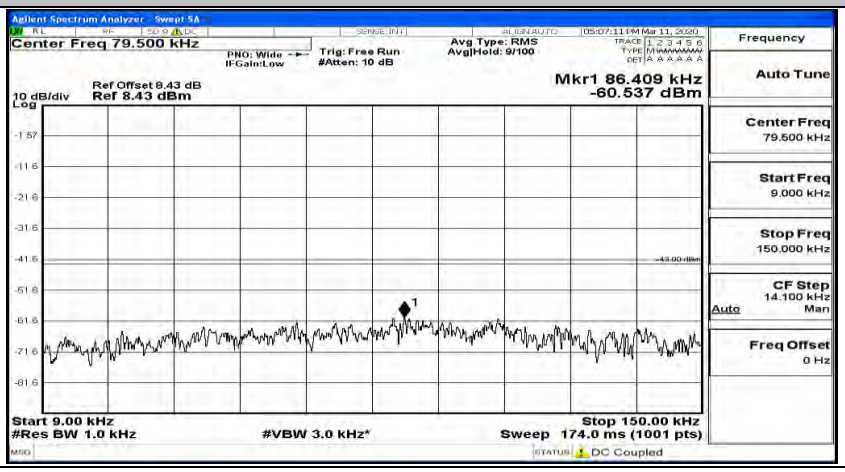
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5

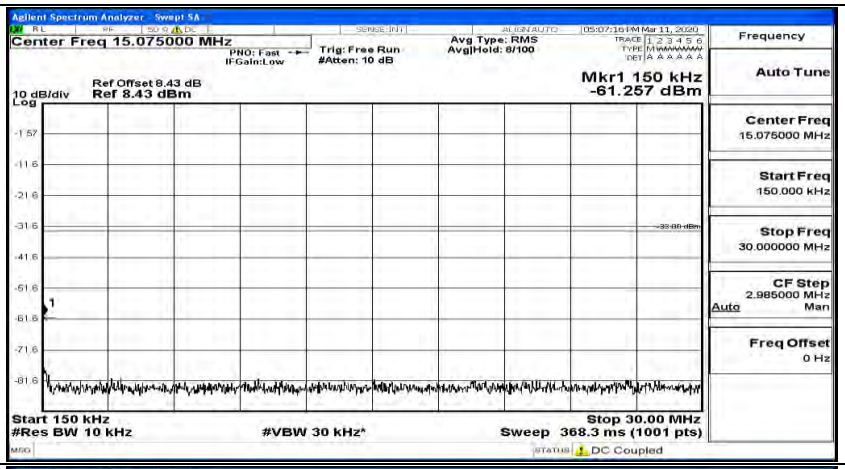


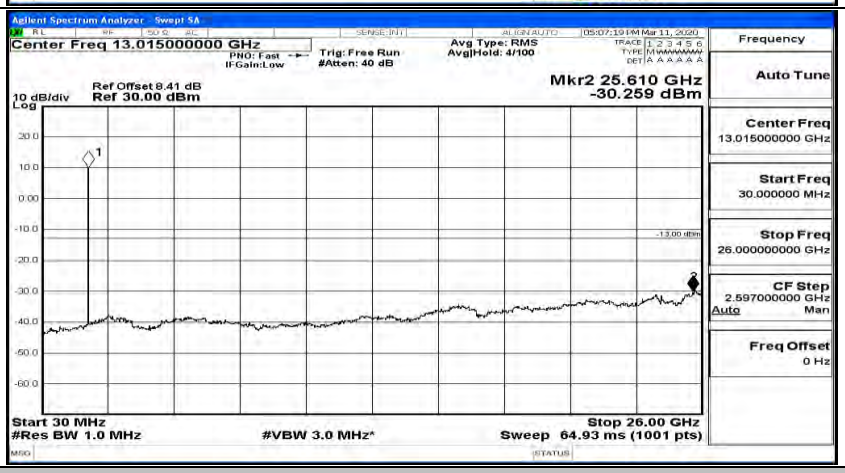




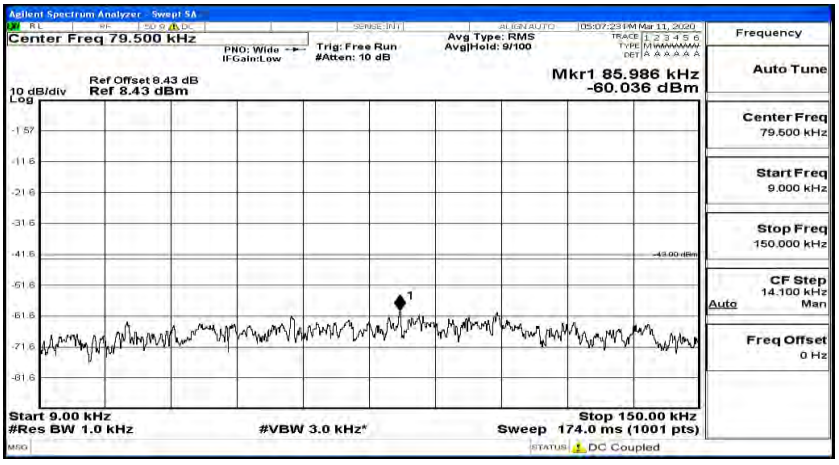
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0

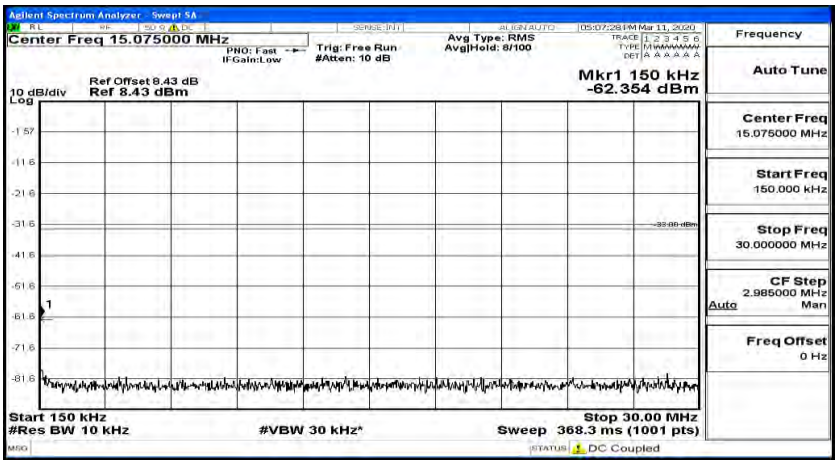


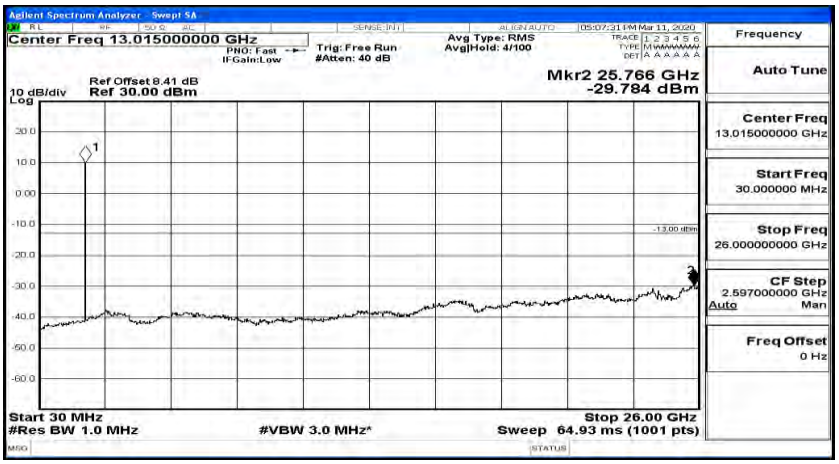




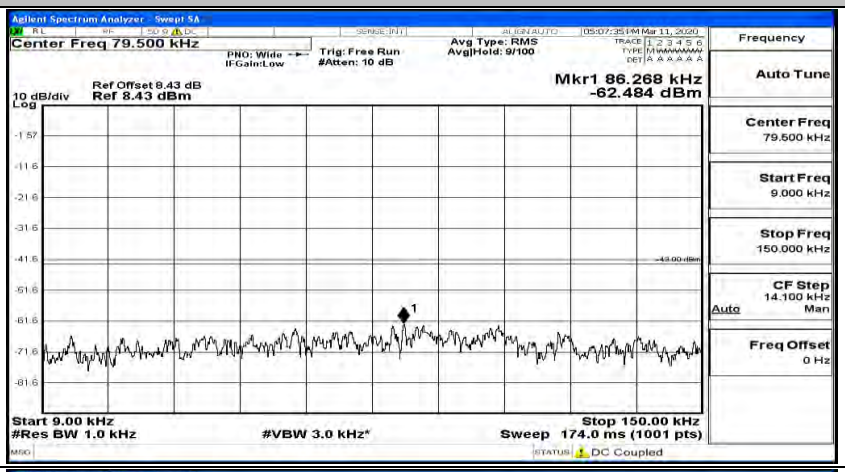
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3

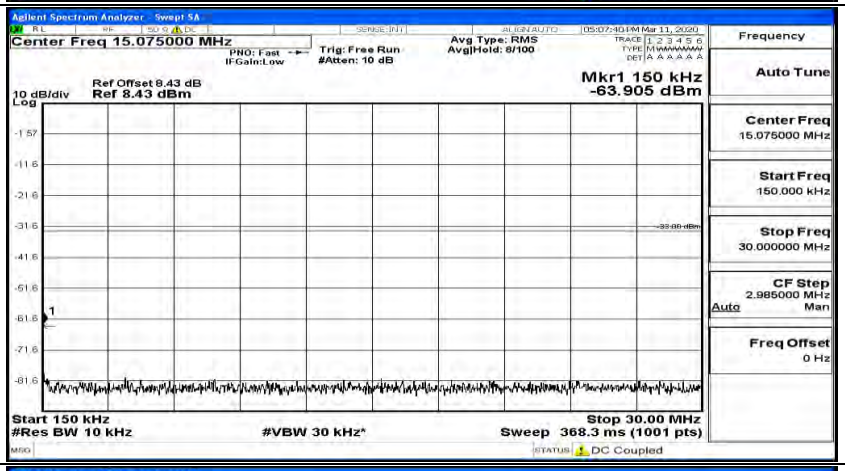


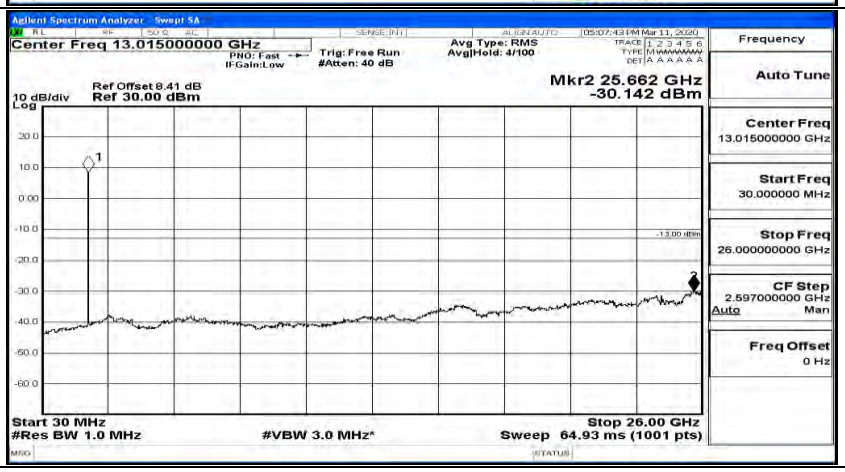




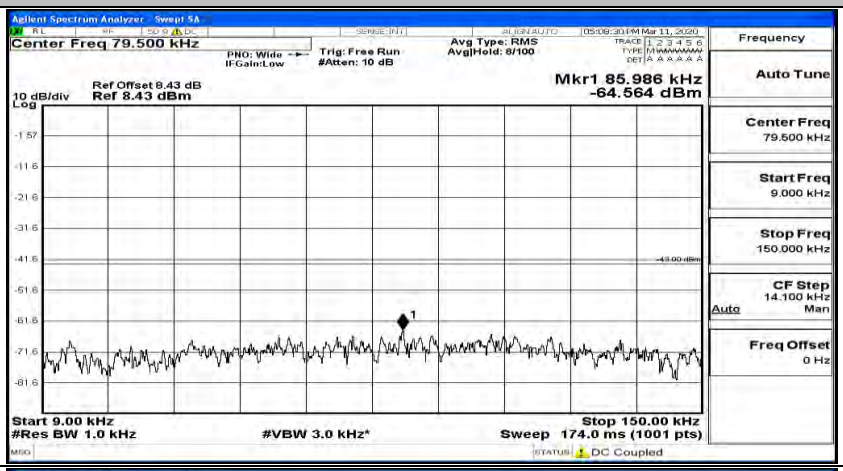
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5

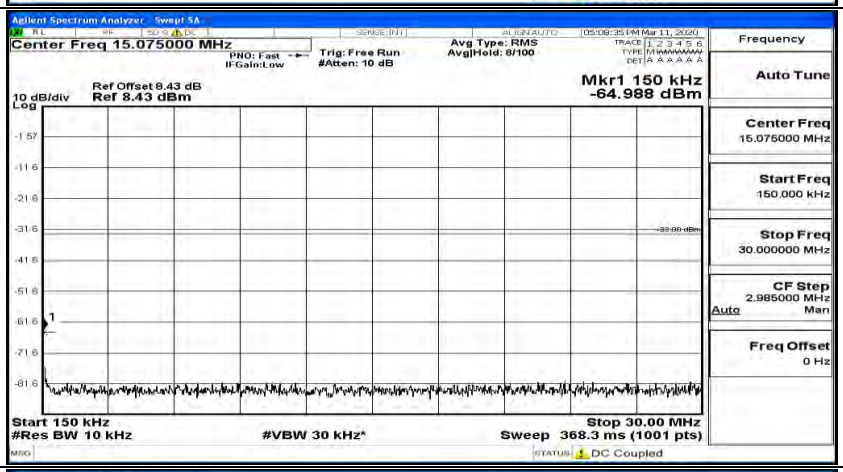


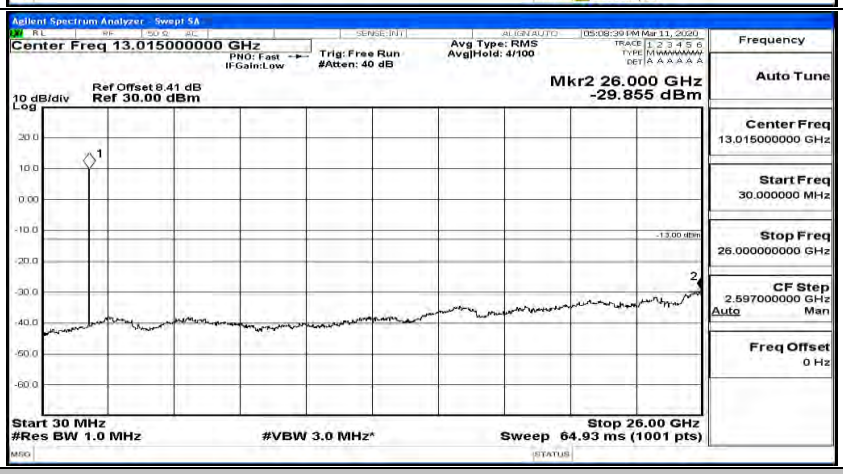




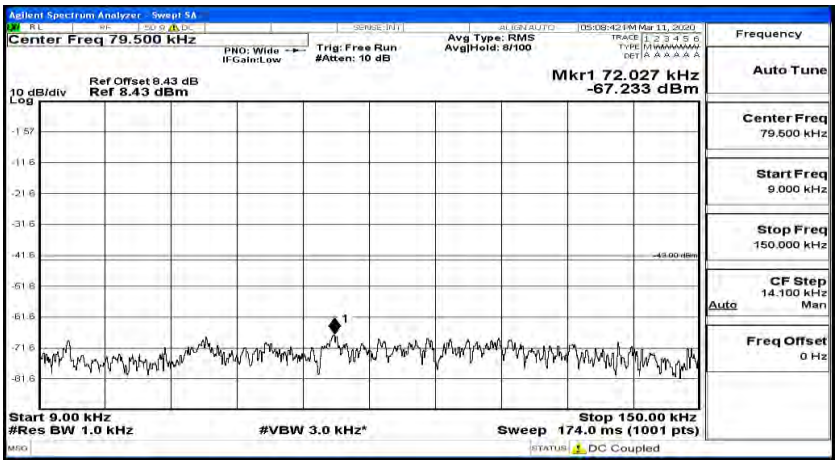
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0

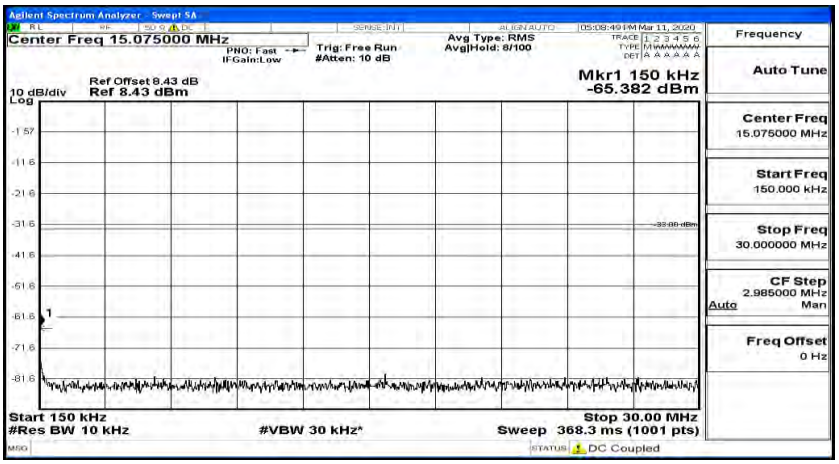


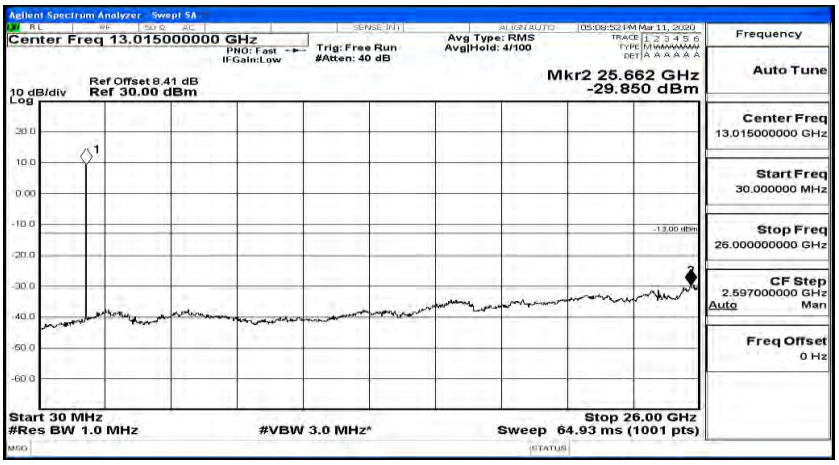




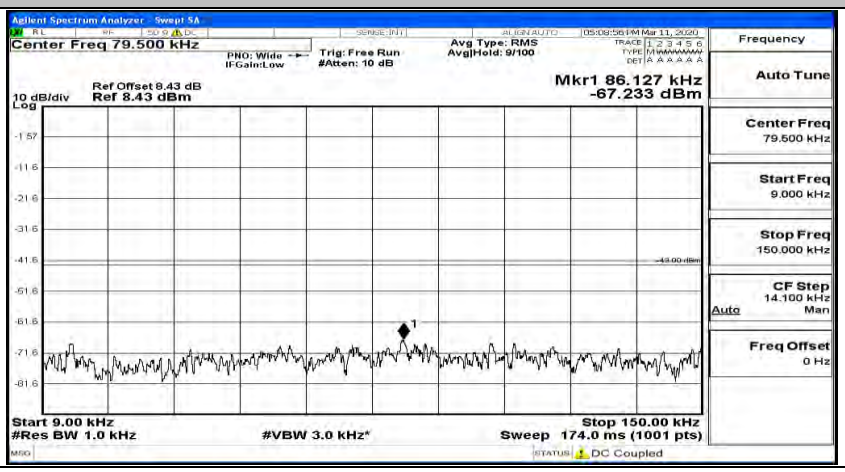
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3

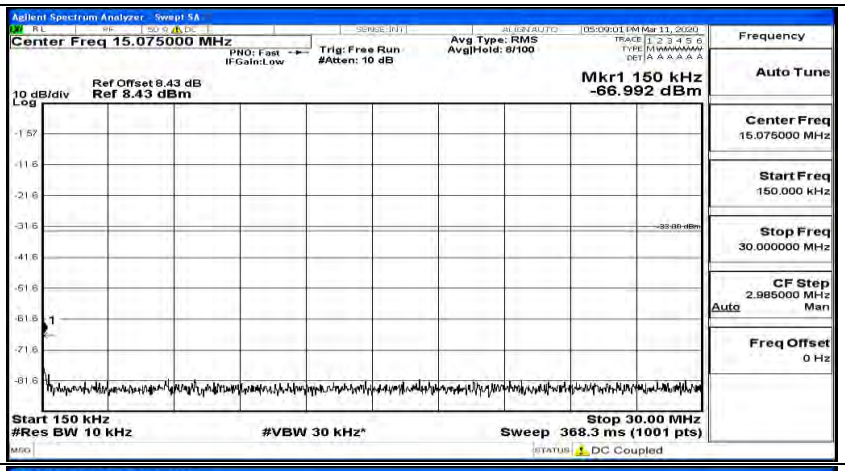




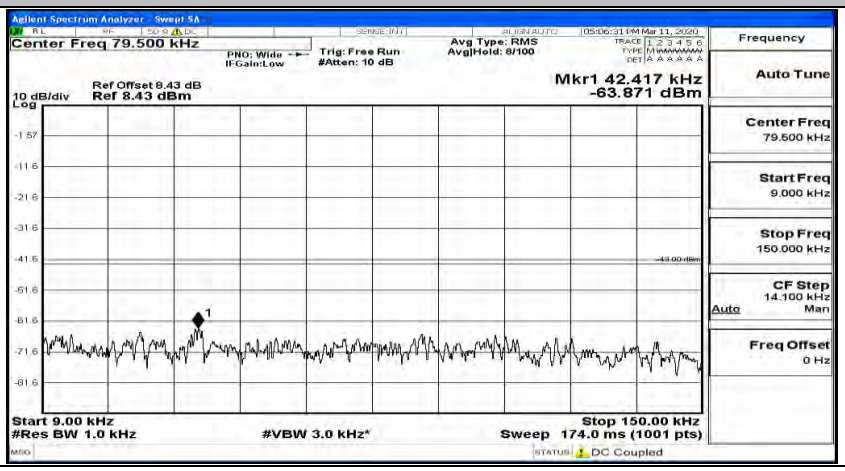


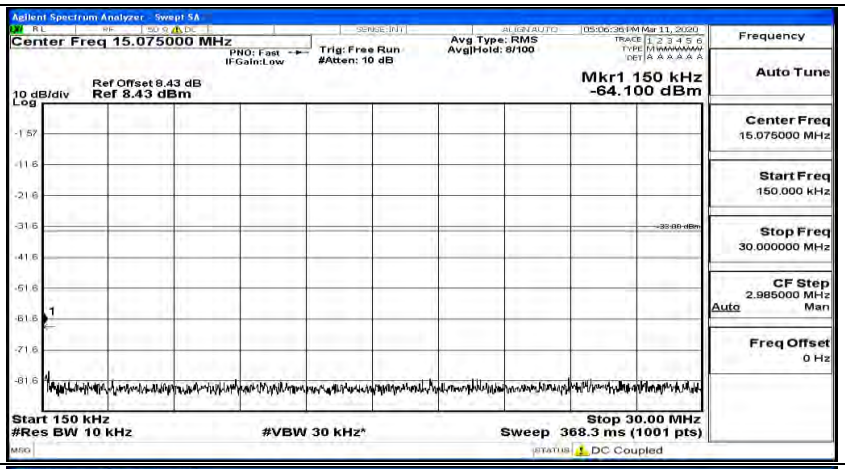
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5

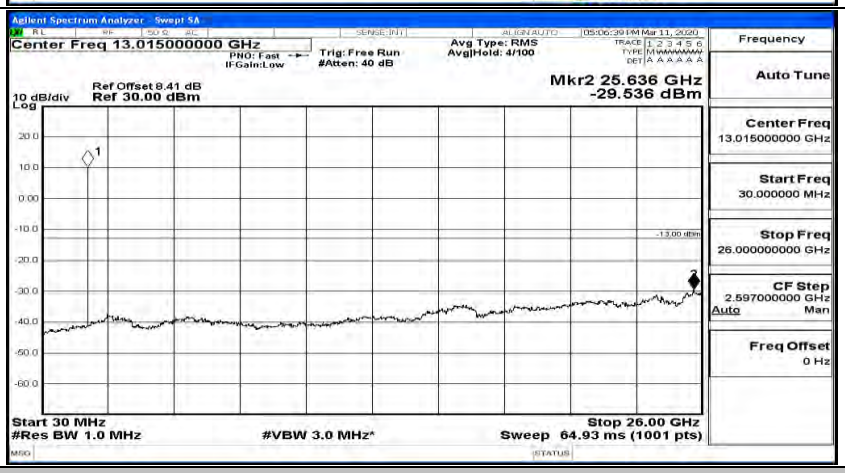




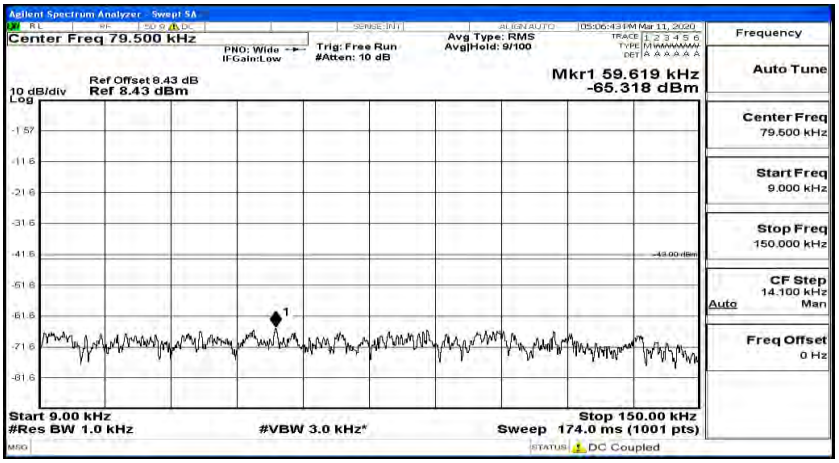
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0

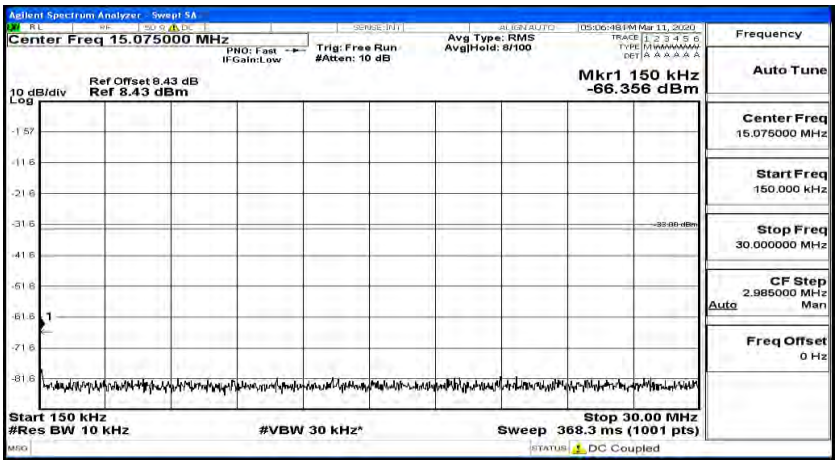




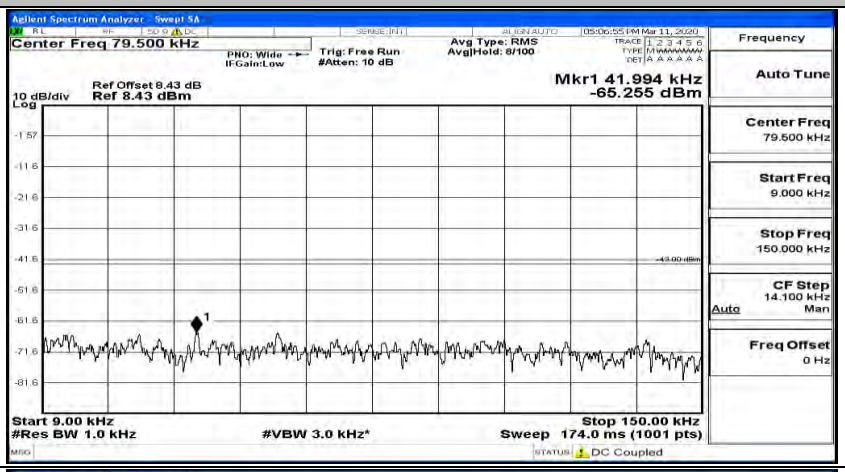


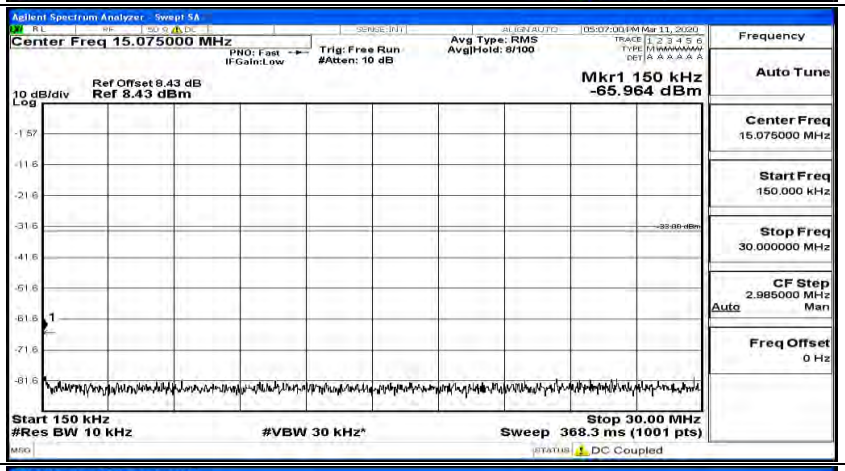
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3

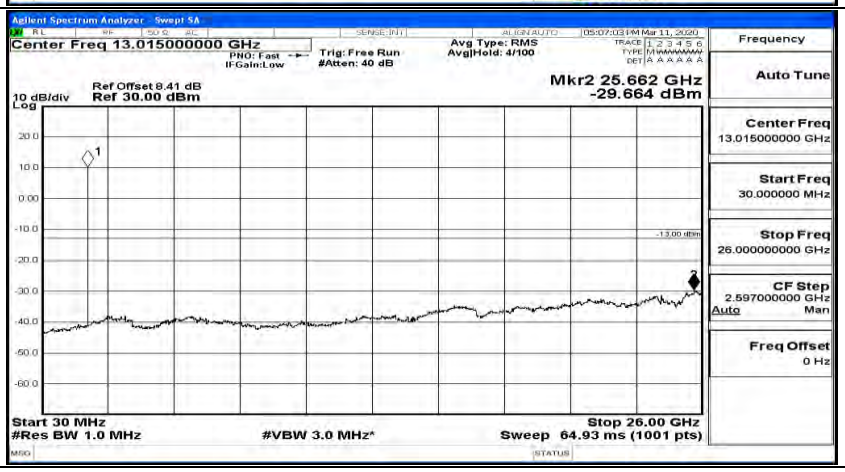




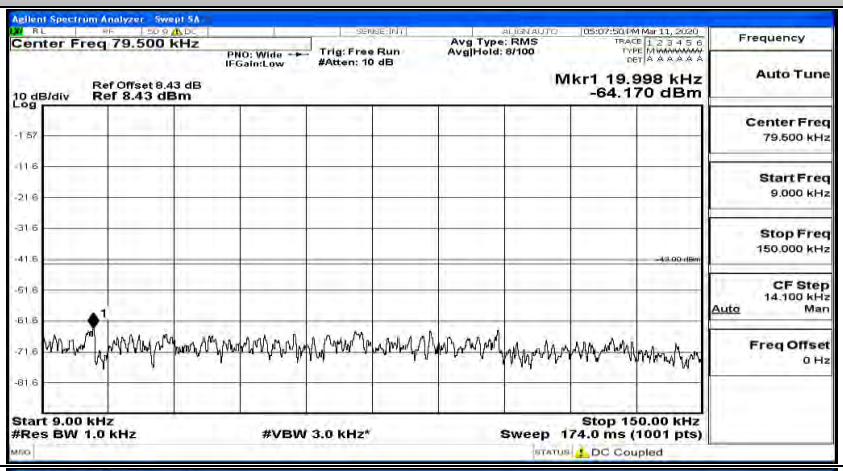
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5

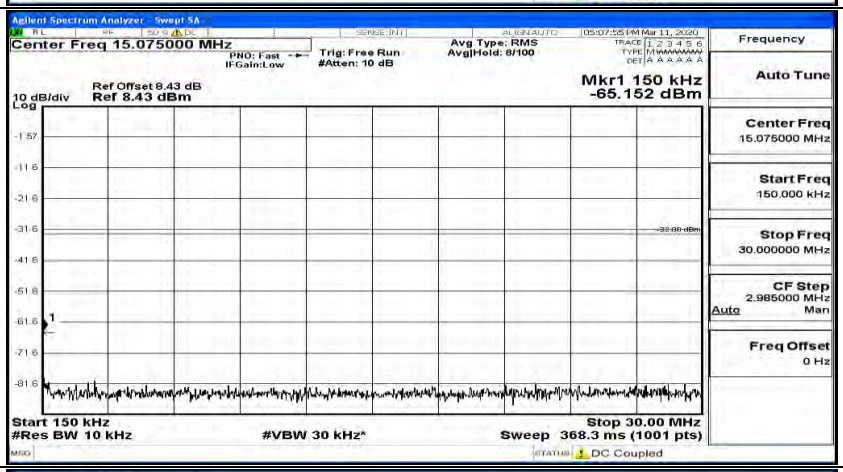


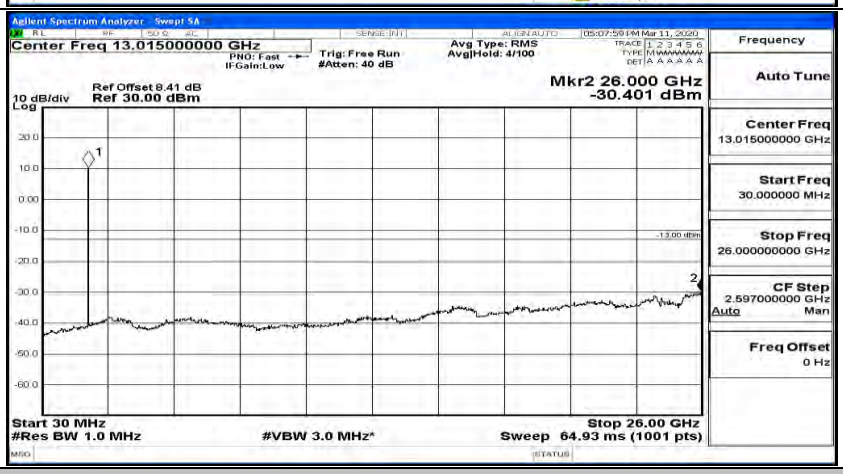




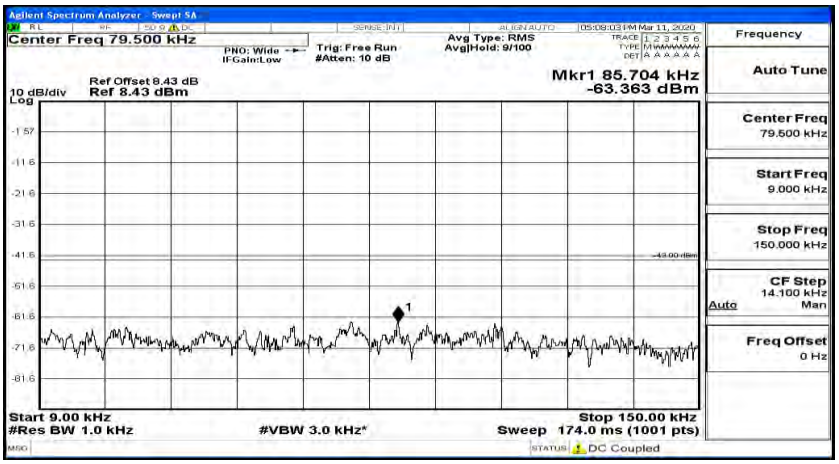
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0

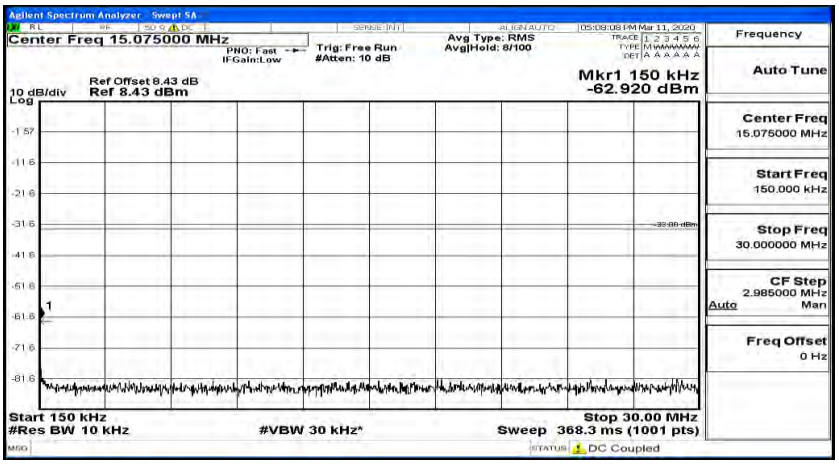


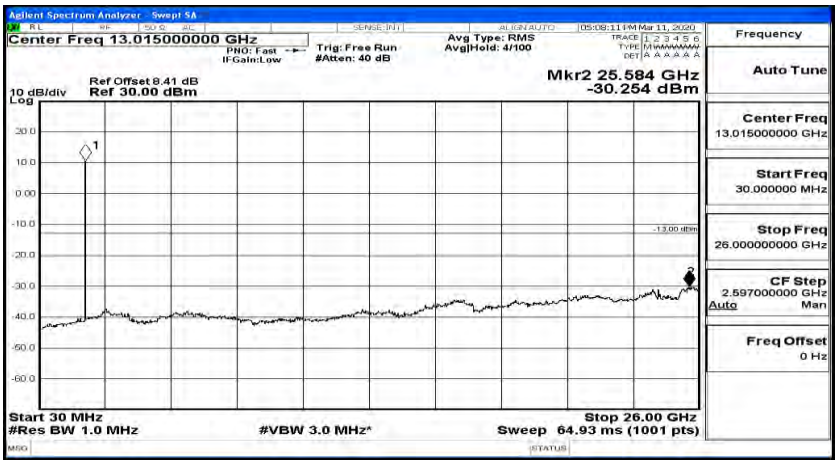




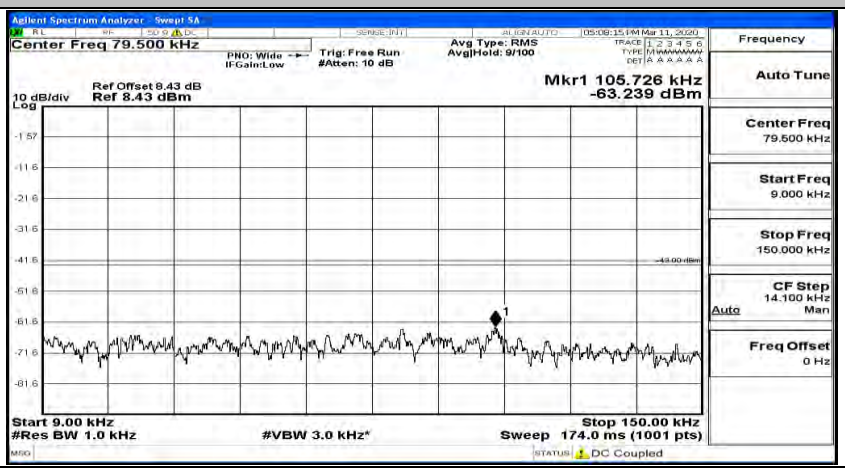
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3

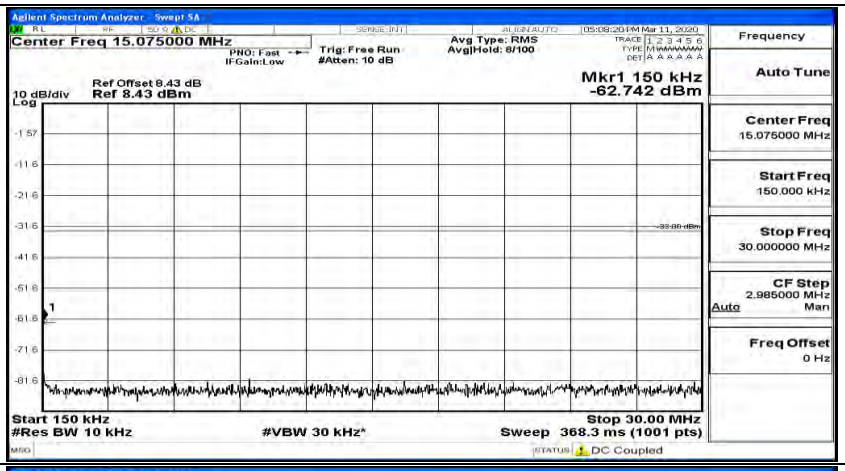




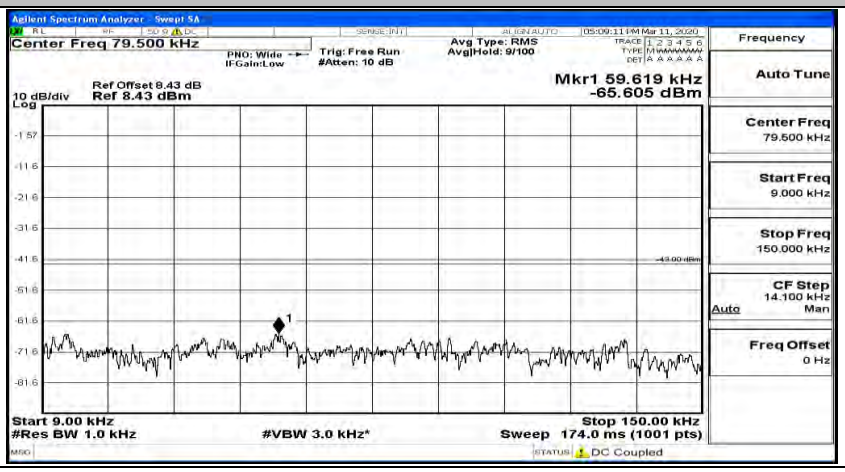


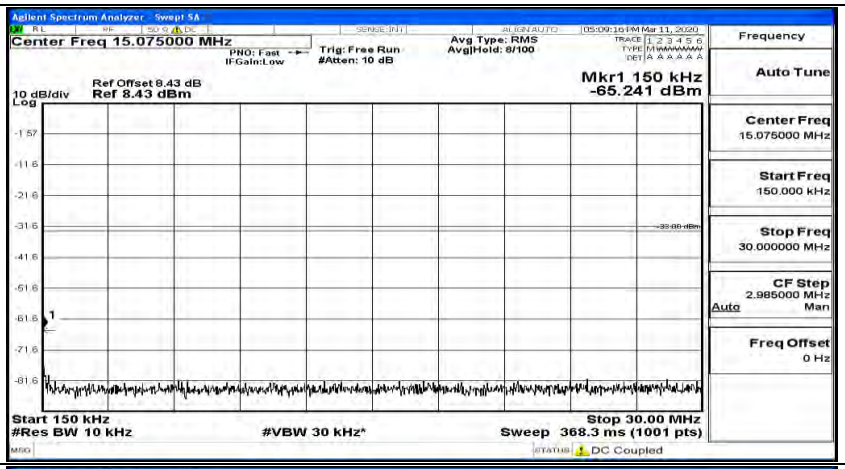
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5

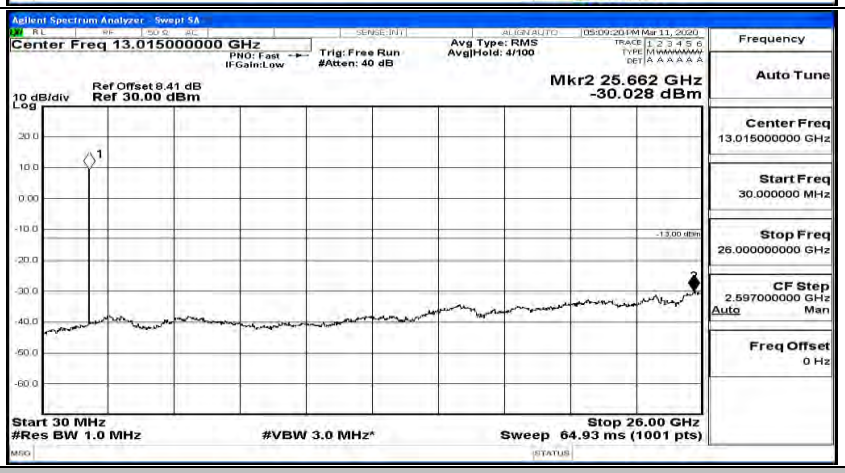




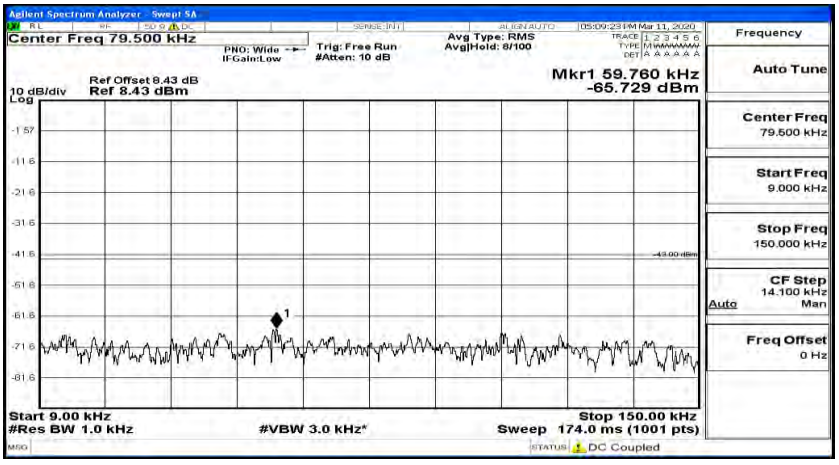
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0

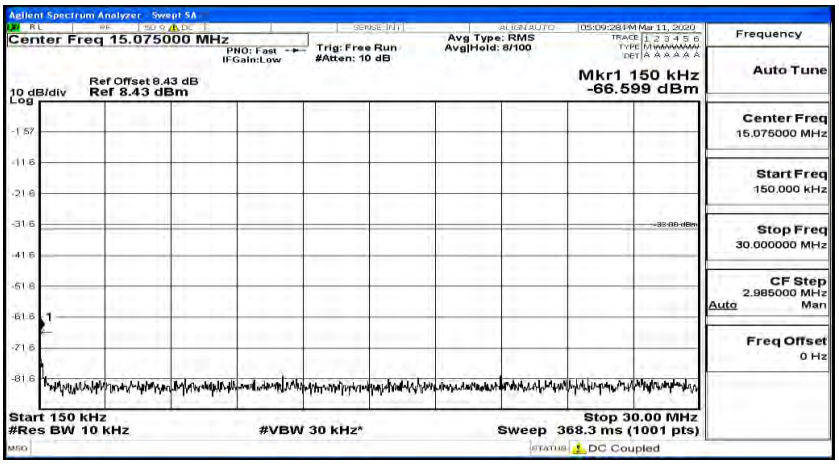




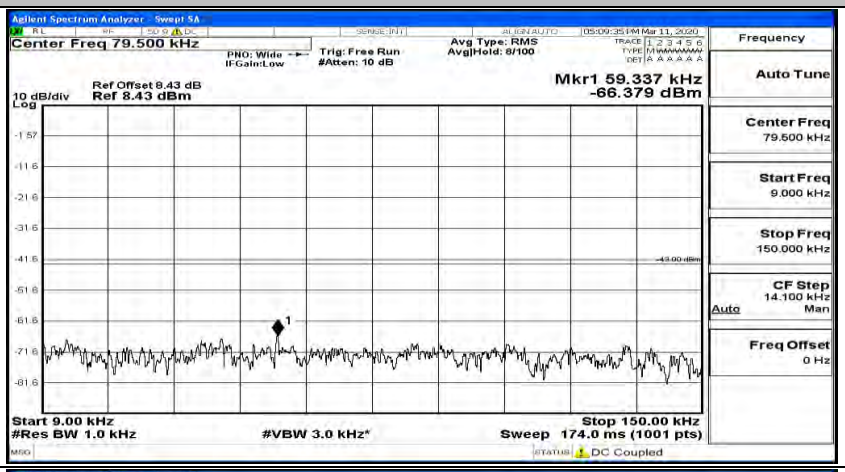


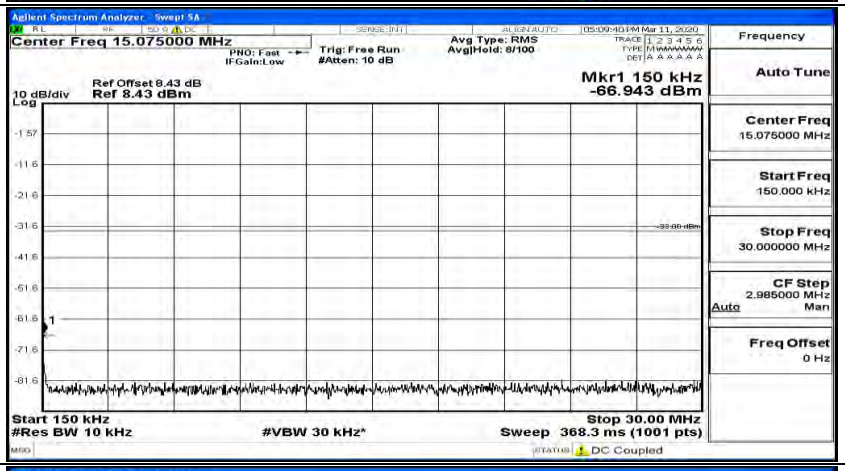
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3

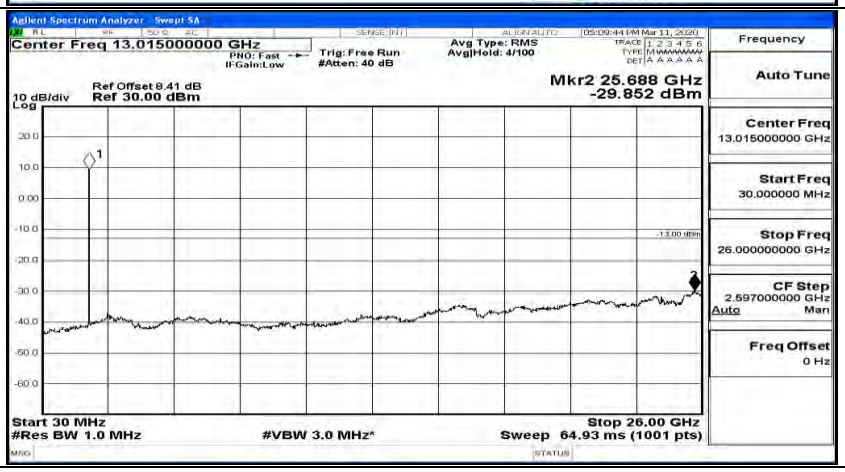




(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5

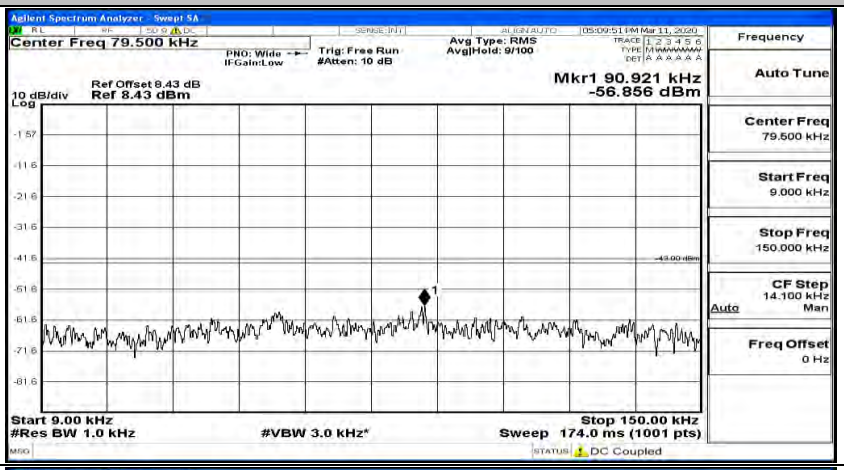


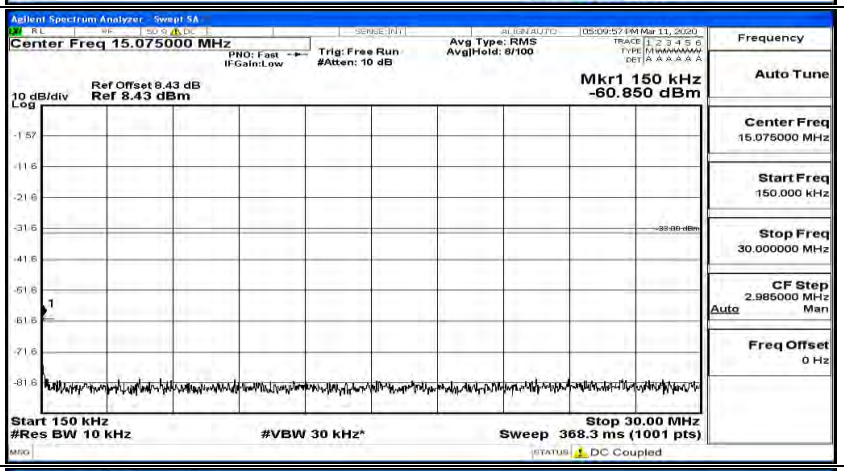


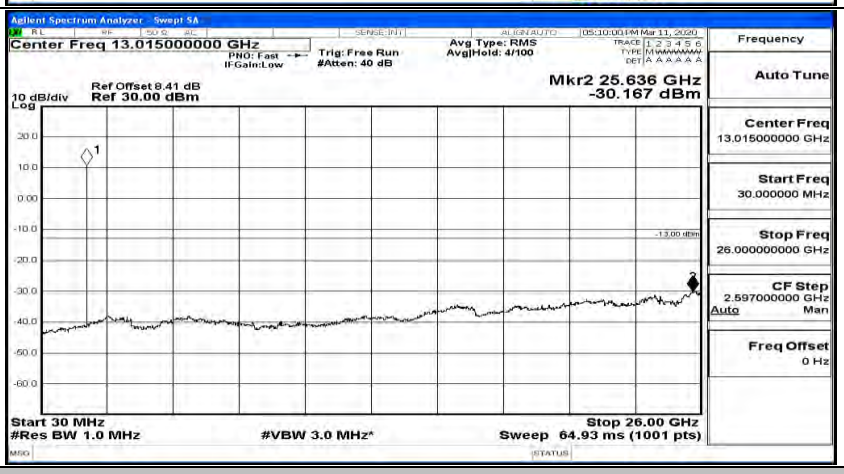


Channel Bandwidth: 3 MHz

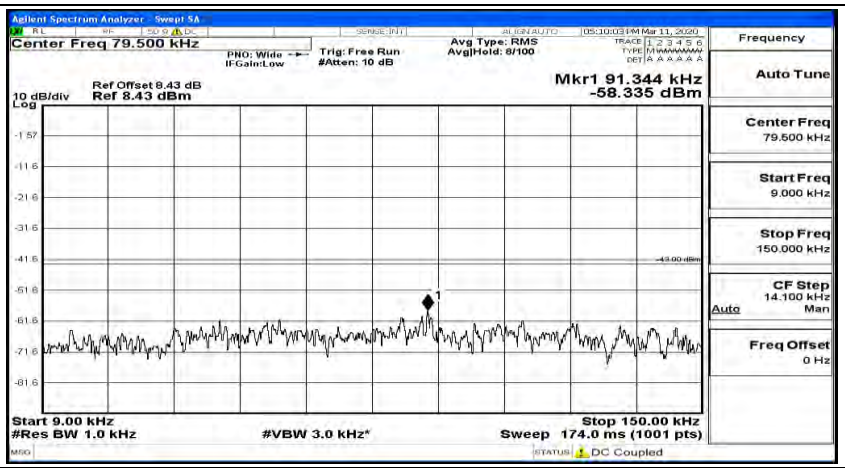
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0

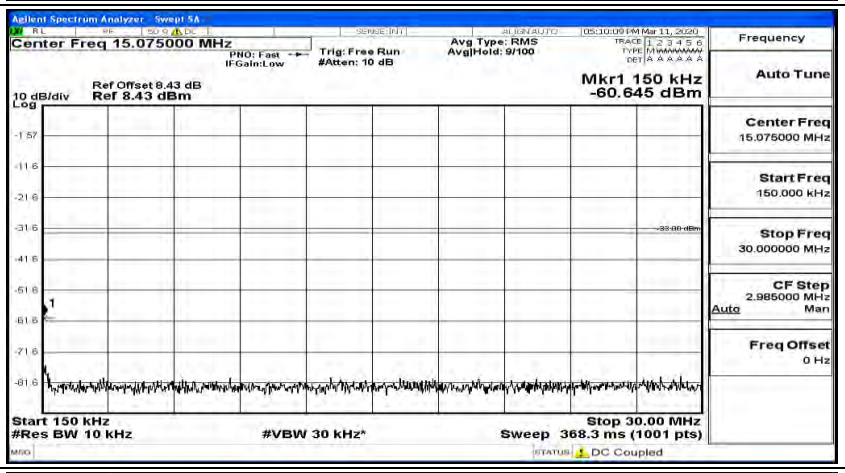




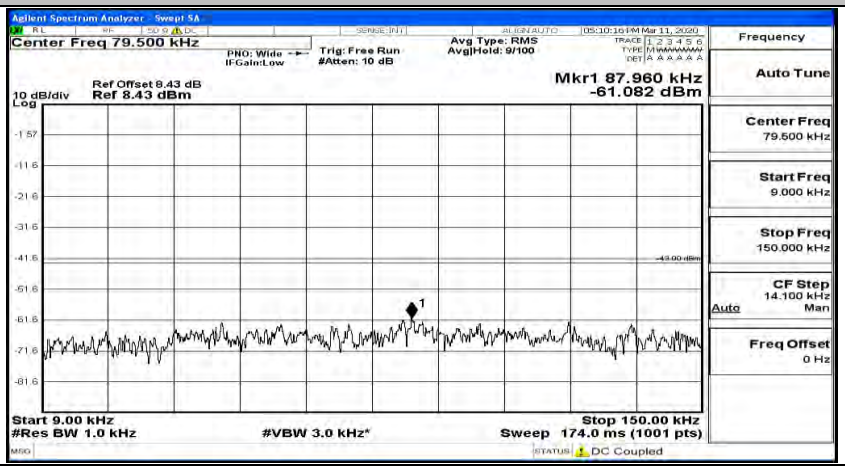


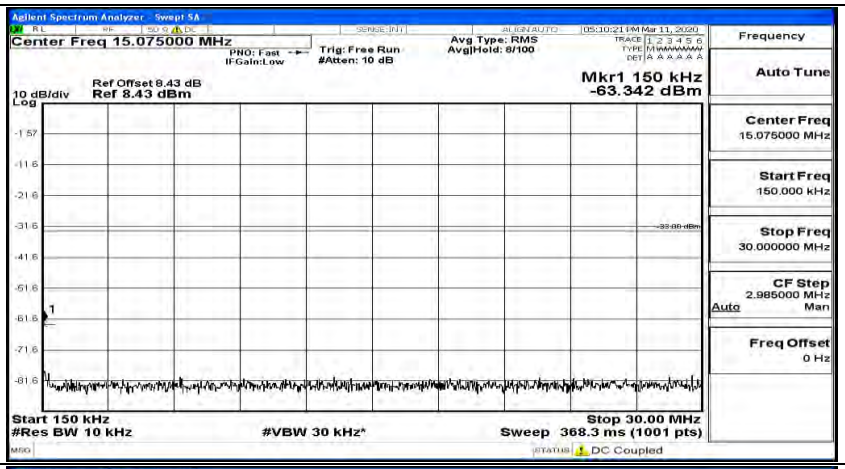
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7

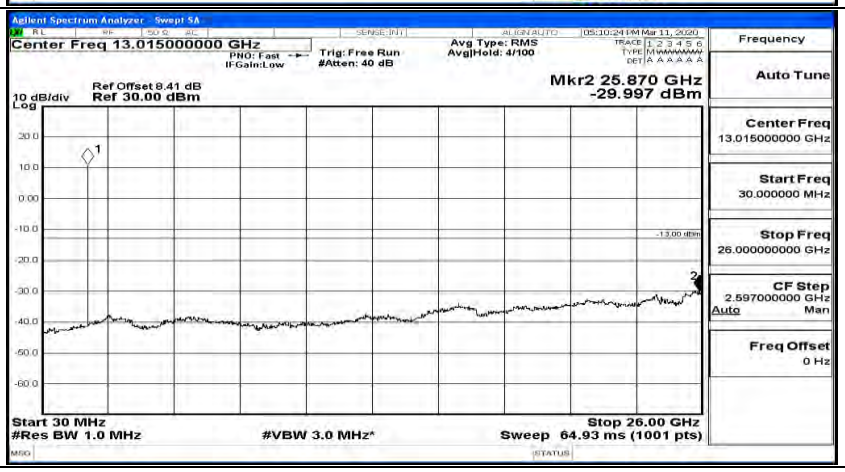




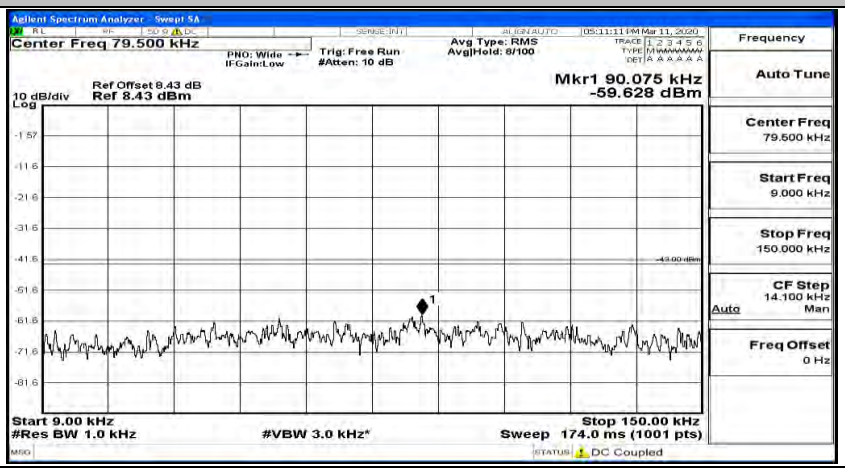
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14

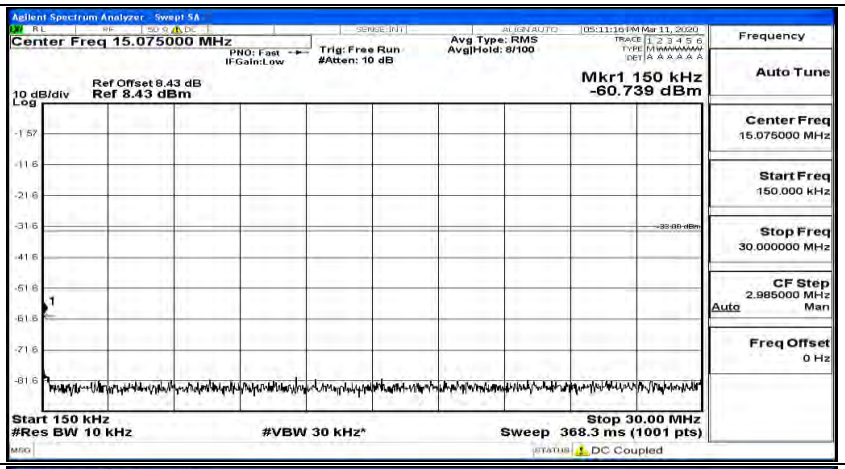


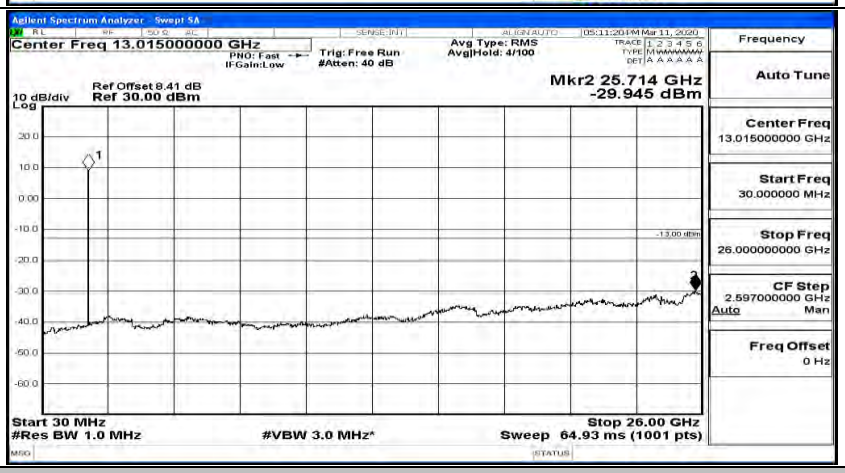




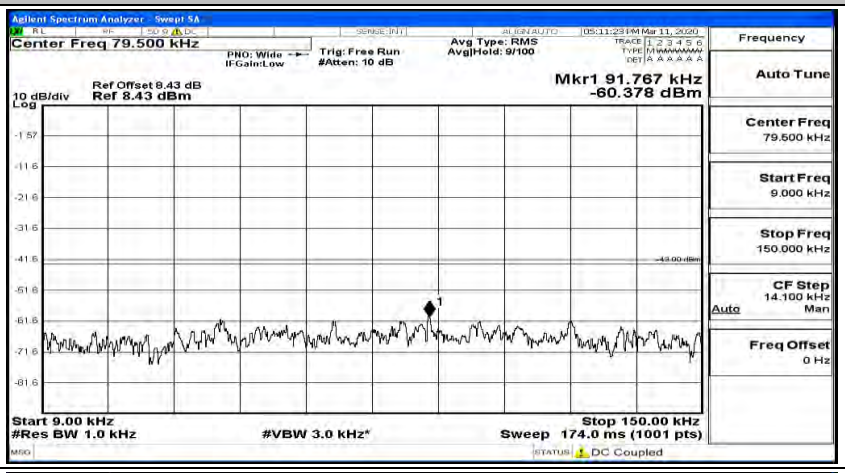
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0

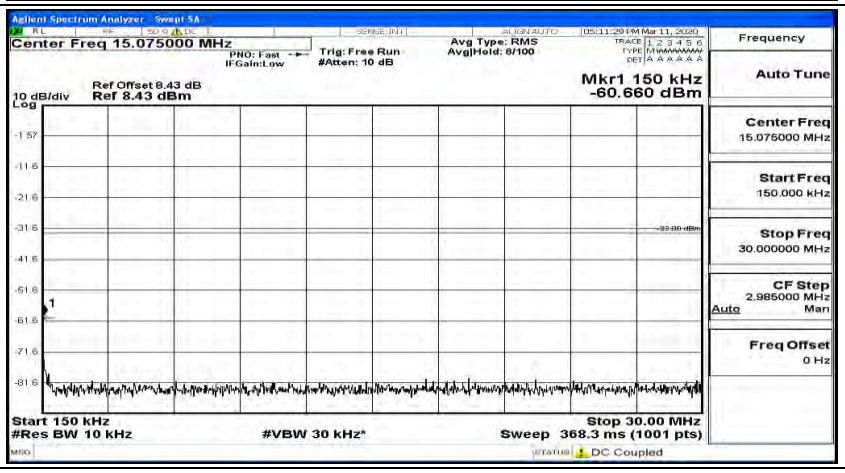


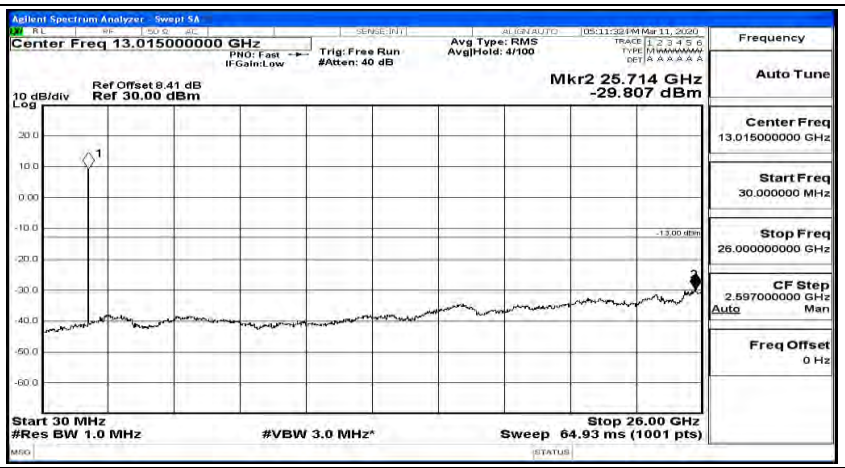




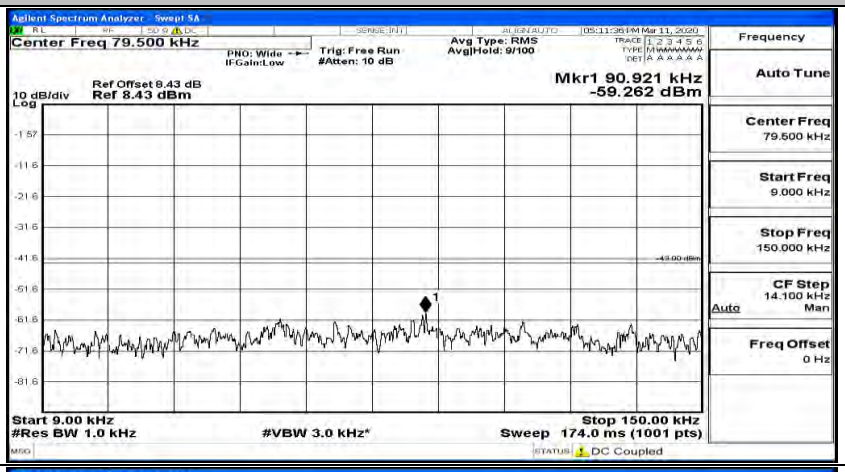
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#7

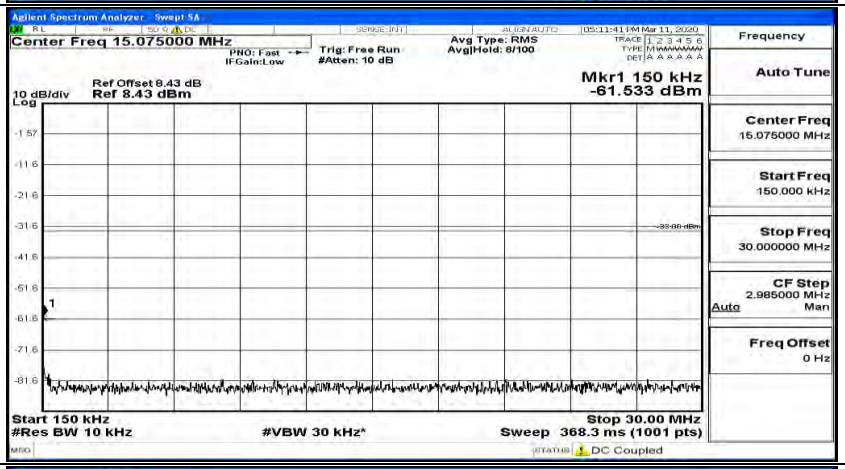




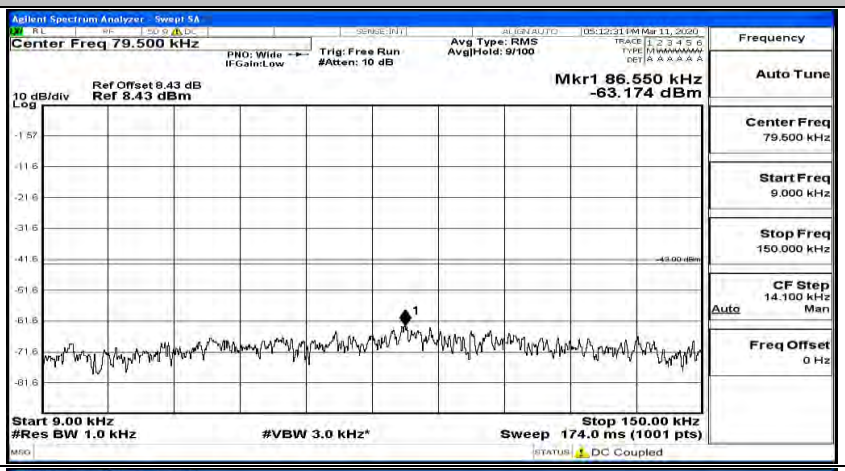


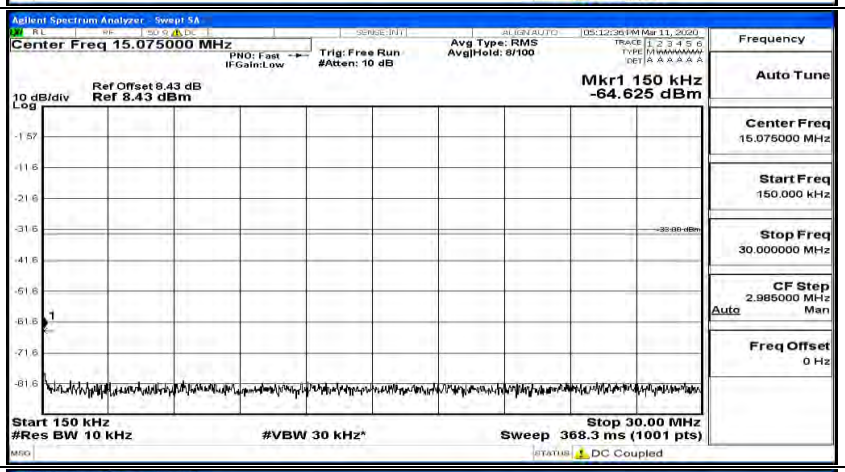
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14

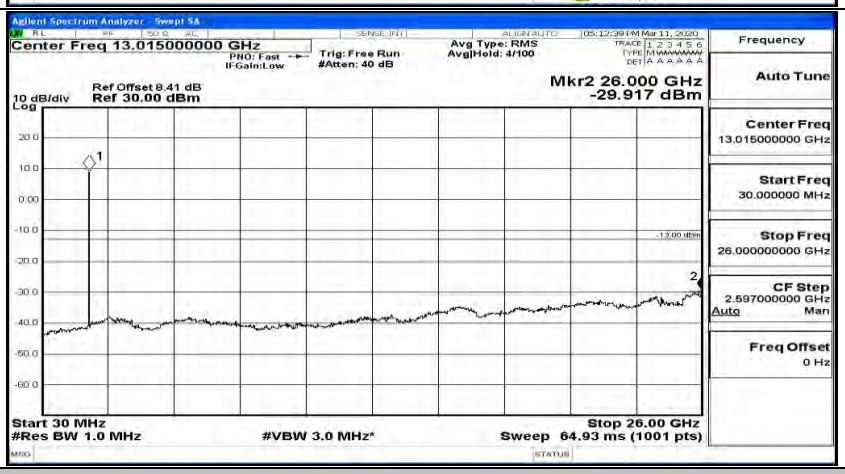




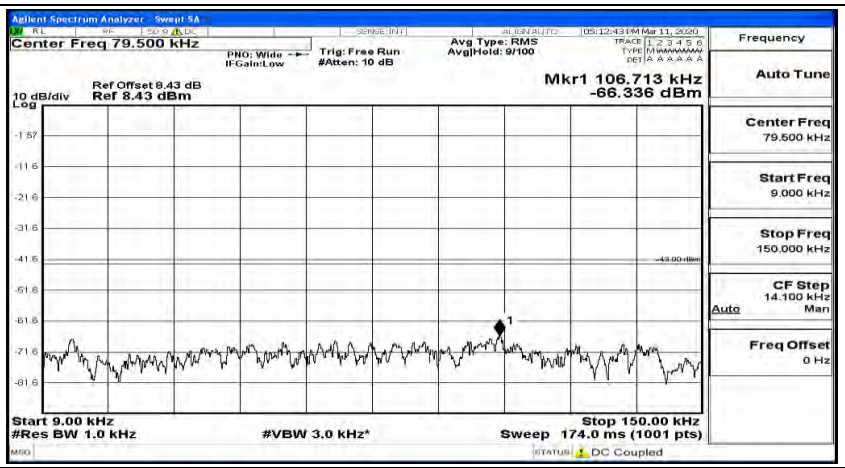
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0

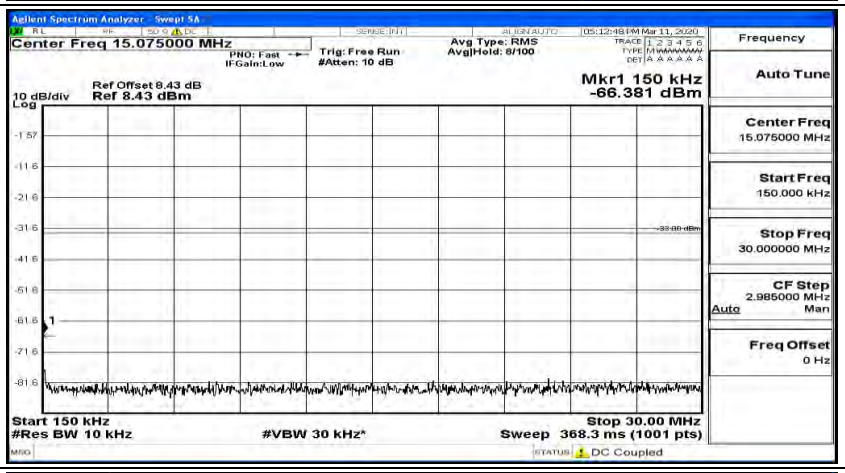




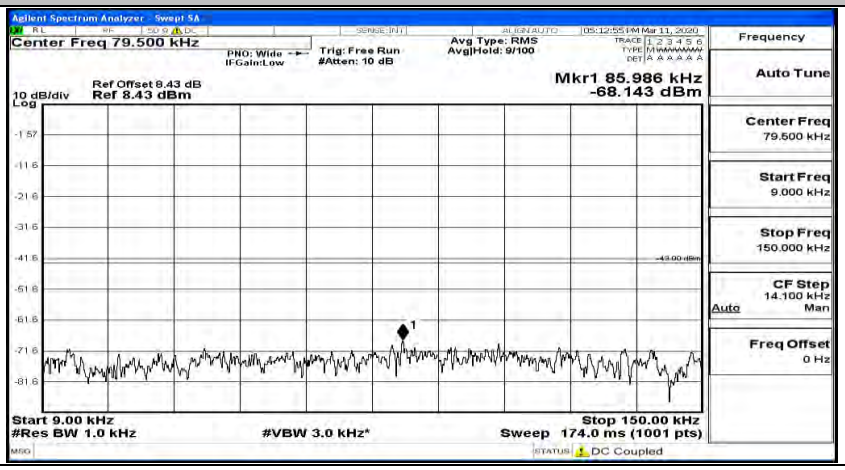


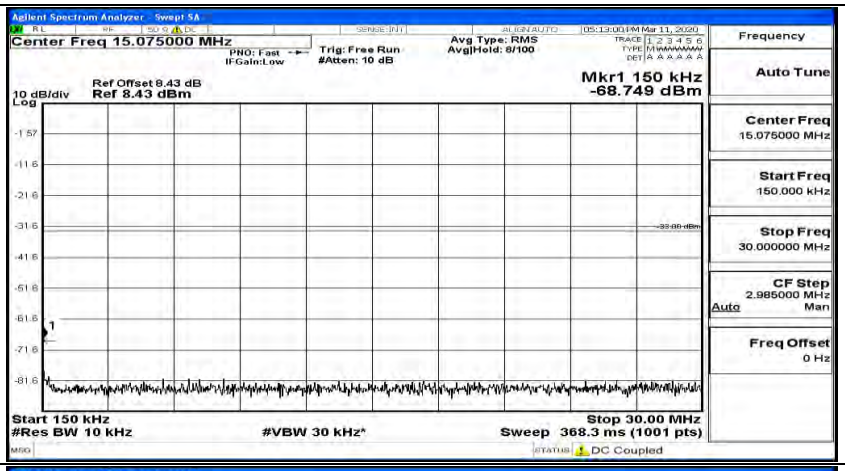
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7

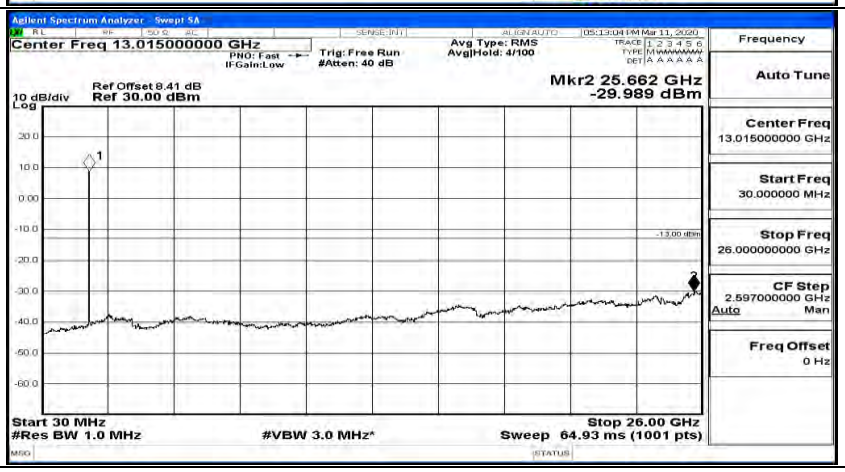




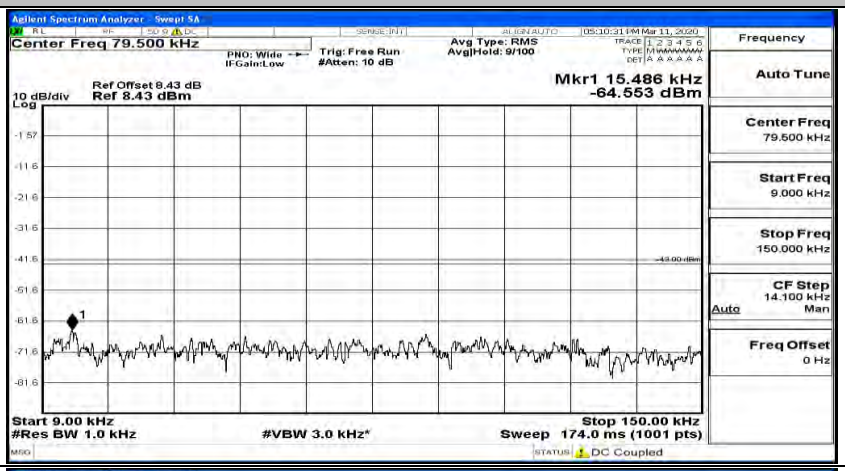
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14

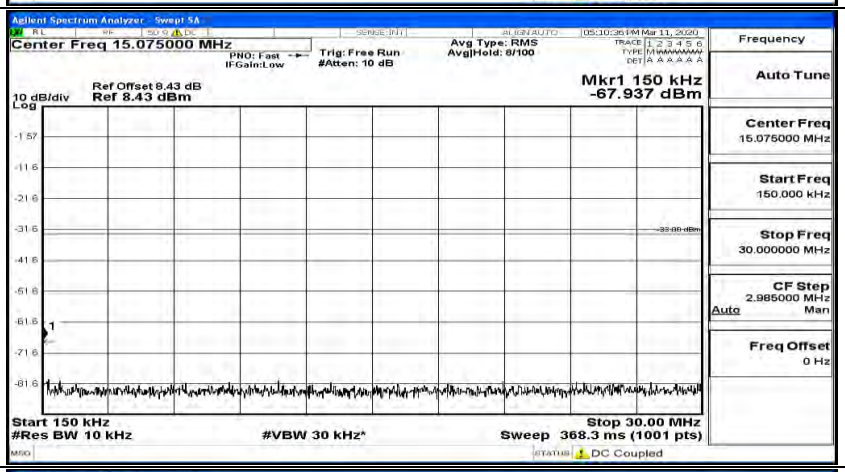


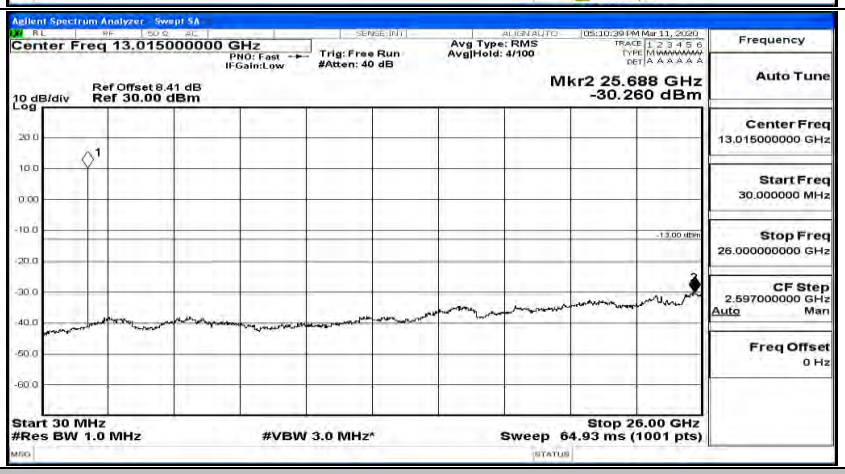

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 8/100
05:13:00 PM Mar 11, 2020
Ref Offset 8.43 dB
10 dB/div
Ref 8.43 dBm
Mkr1 150 kHz
-68.749 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz*
Stop 30.00 MHz
Sweep 368.3 ms (1001 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 13.015000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold: 4/100
05:13:04 PM Mar 11, 2020
Ref Offset 8.41 dB
10 dB/div
Ref 30.00 dBm
Mkr2 25.662 GHz
-29.989 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.00 GHz
Sweep 64.93 ms (1001 pts)
Frequency
Auto Tune
Center Freq
13.015000000 GHz
Start Freq
30.000000 MHz
Stop Freq
26.000000000 GHz
CF Step
2.597000000 GHz
Auto
Man
Freq Offset
0 Hz

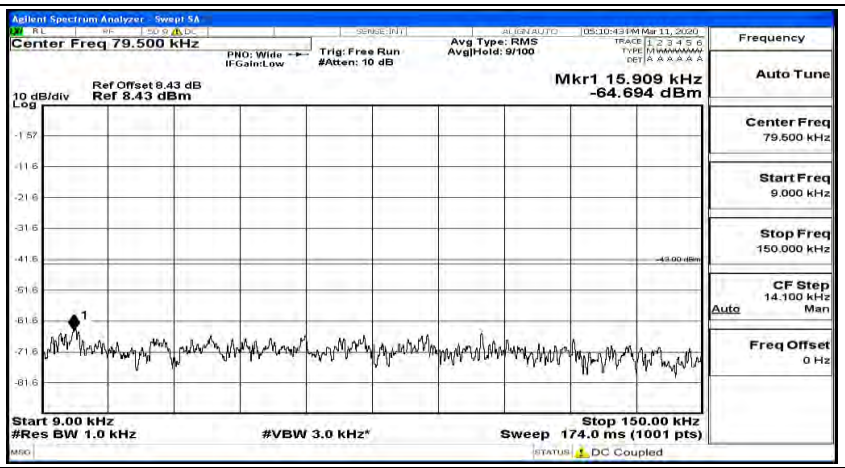
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0

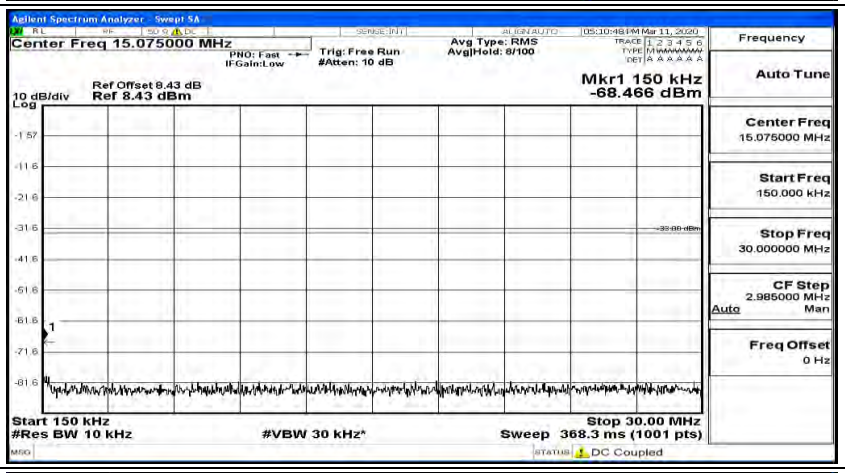


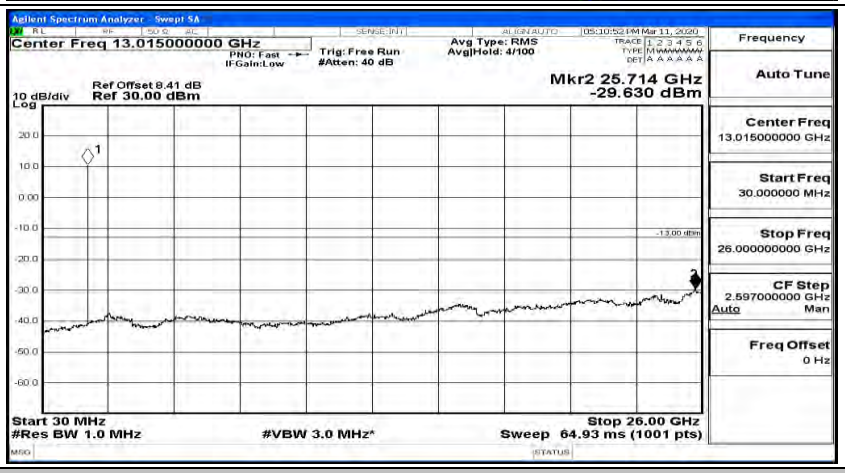




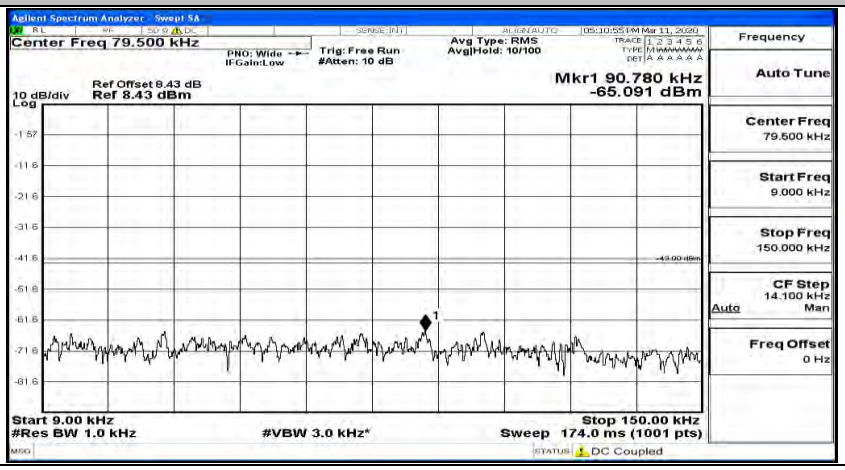
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7

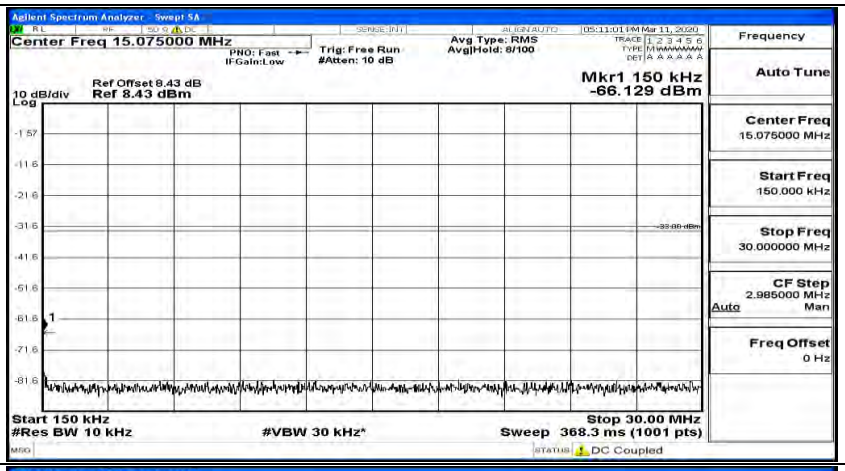


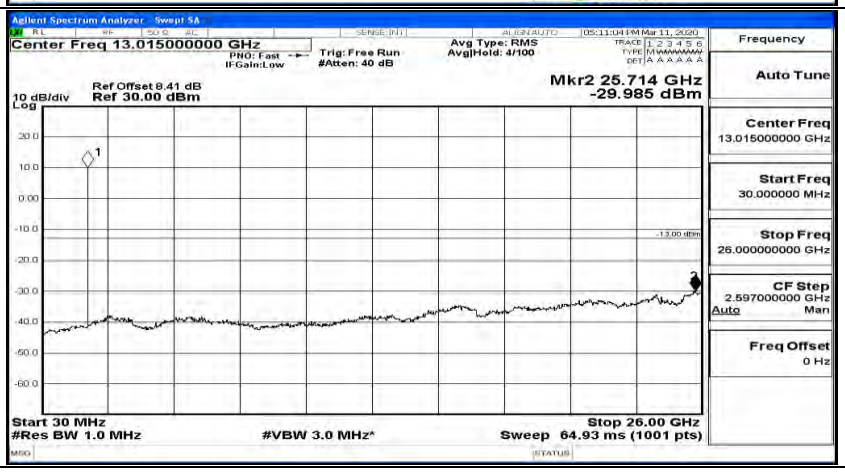




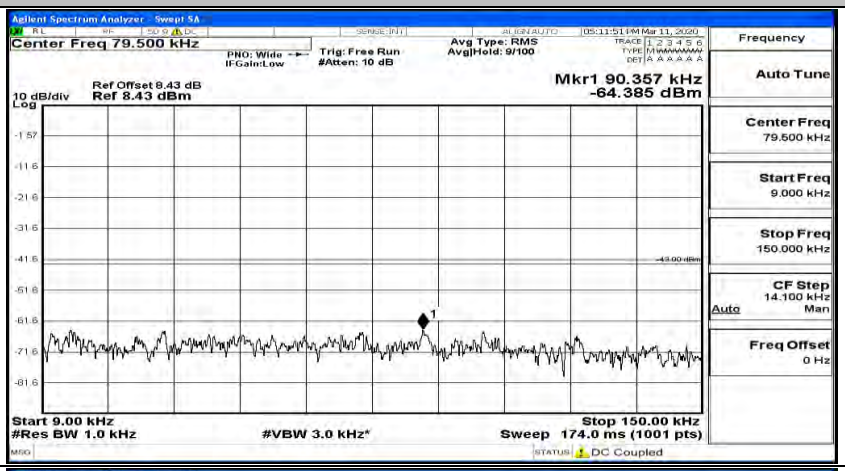
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14

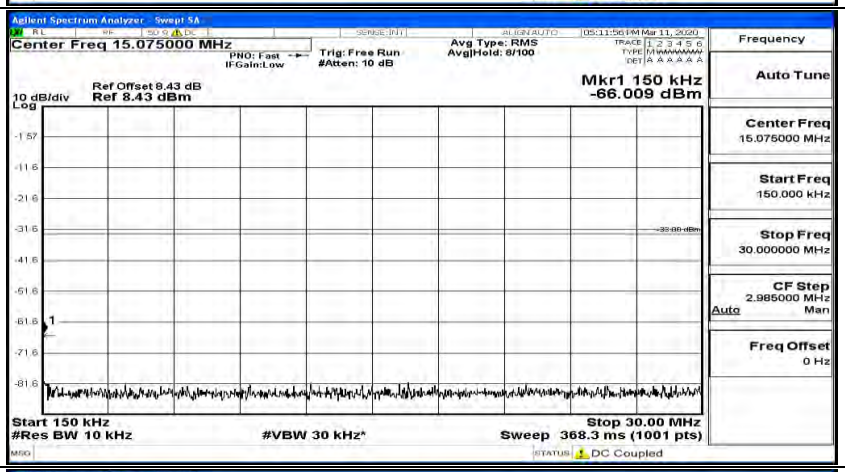


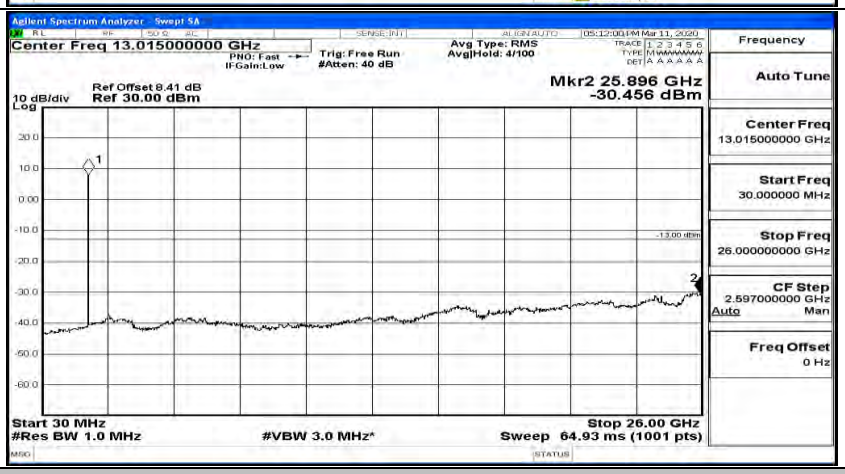

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 8/100
05:11:01 PM Mar 11, 2020
Ref Offset 8.43 dB
10 dB/div
Ref 8.43 dBm
Mkr1 150 kHz
-66.129 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz*
Stop 30.00 MHz
Sweep 368.3 ms (1001 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 13.015000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold: 4/100
05:11:04 PM Mar 11, 2020
Ref Offset 8.41 dB
10 dB/div
Ref 30.00 dBm
Mkr2 25.714 GHz
-29.985 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.00 GHz
Sweep 64.93 ms (1001 pts)
Frequency
Auto Tune
Center Freq
13.015000000 GHz
Start Freq
30.000000 MHz
Stop Freq
26.000000000 GHz
CF Step
2.597000000 GHz
Auto
Man
Freq Offset
0 Hz

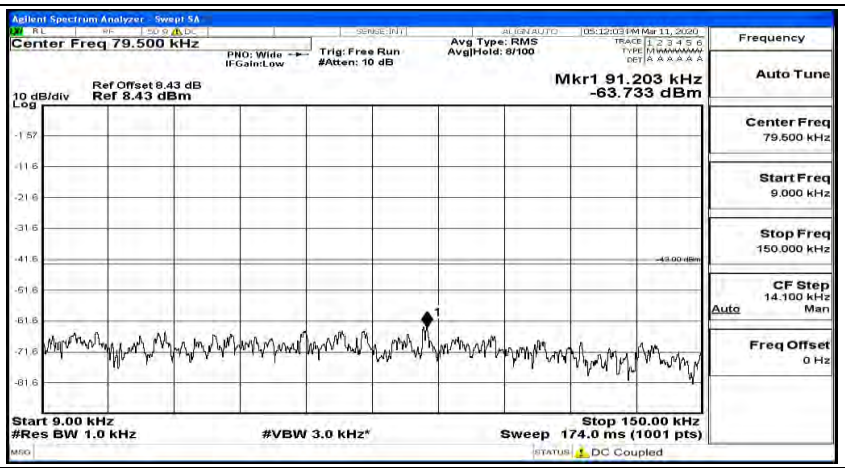
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0

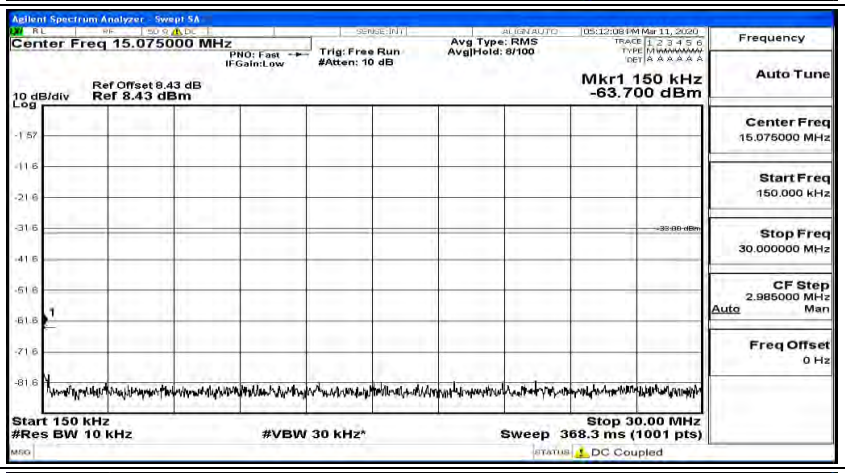




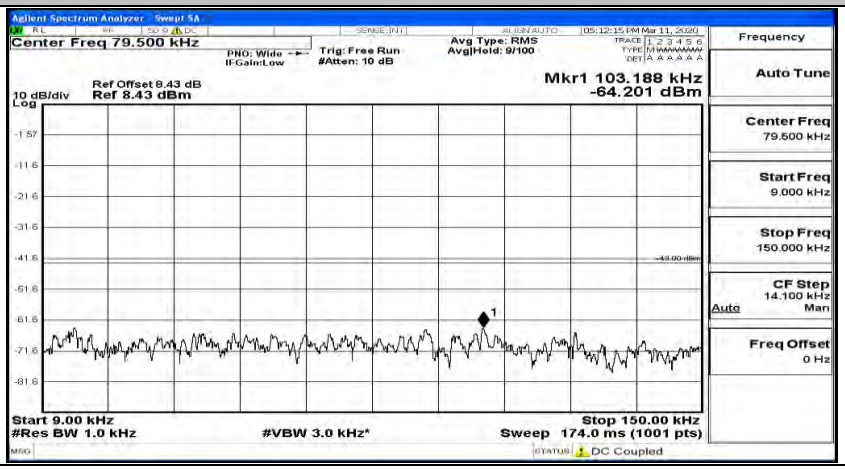


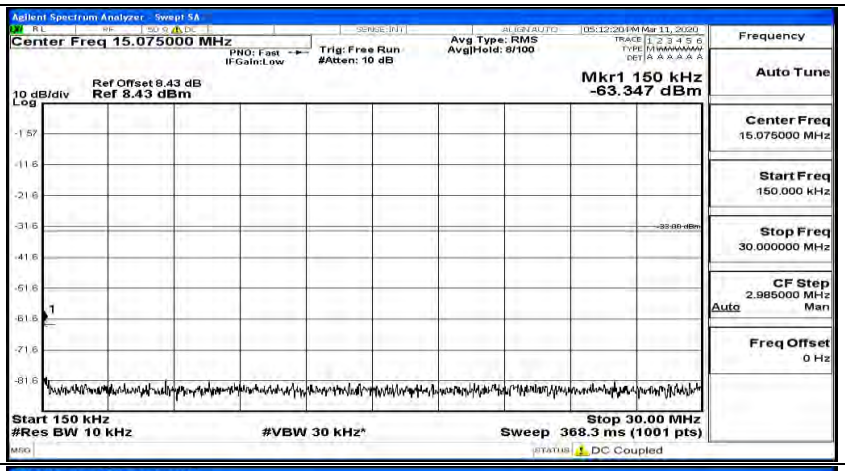
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7

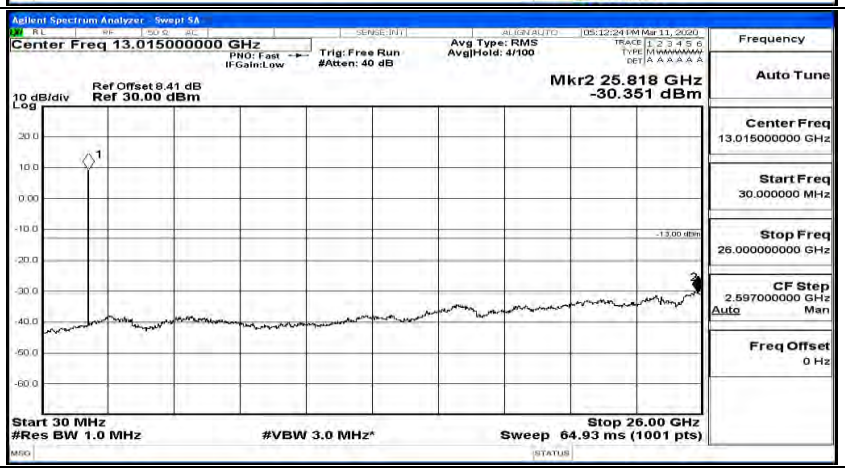




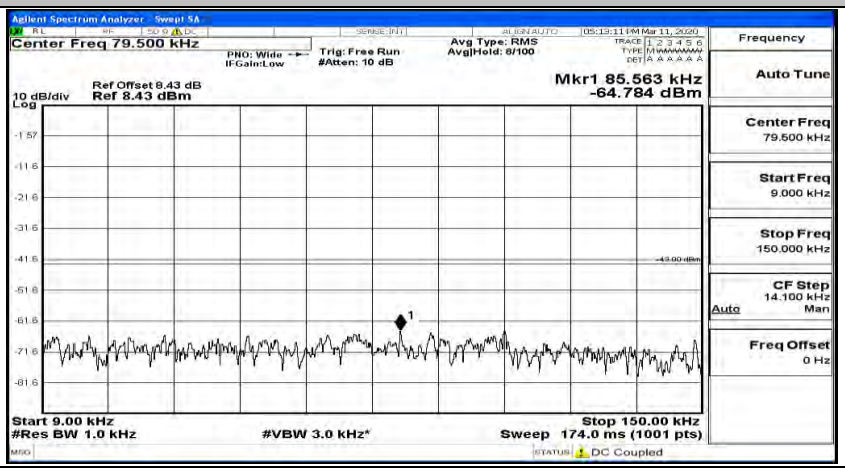
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14

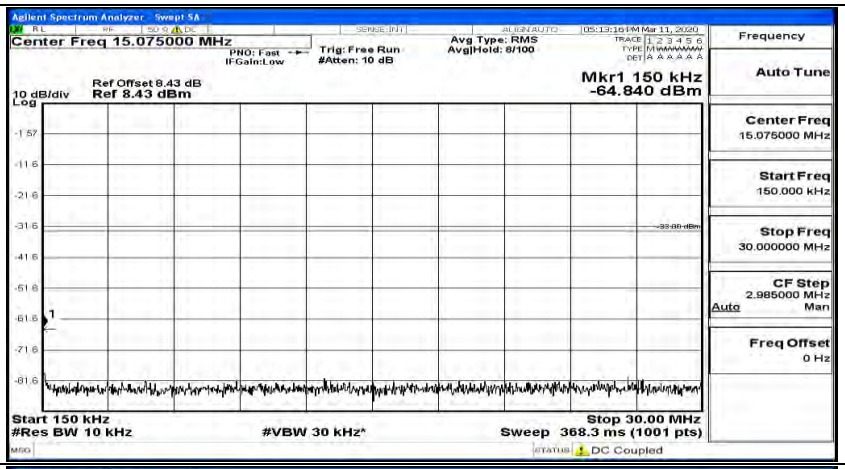


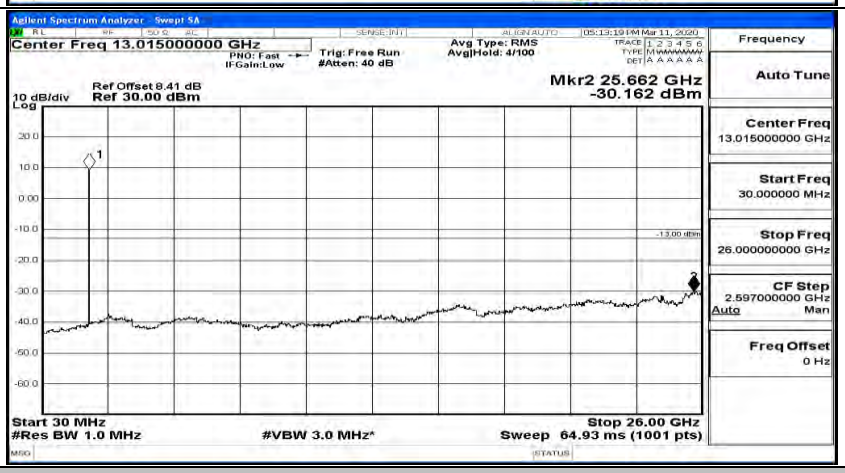




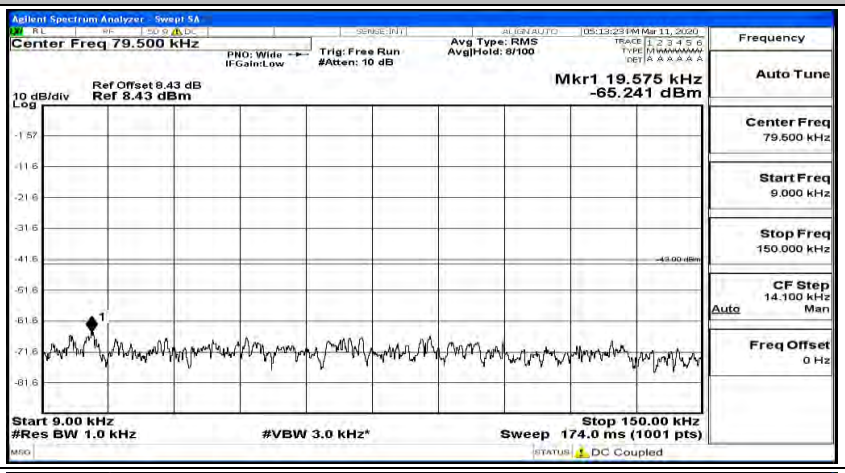
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0

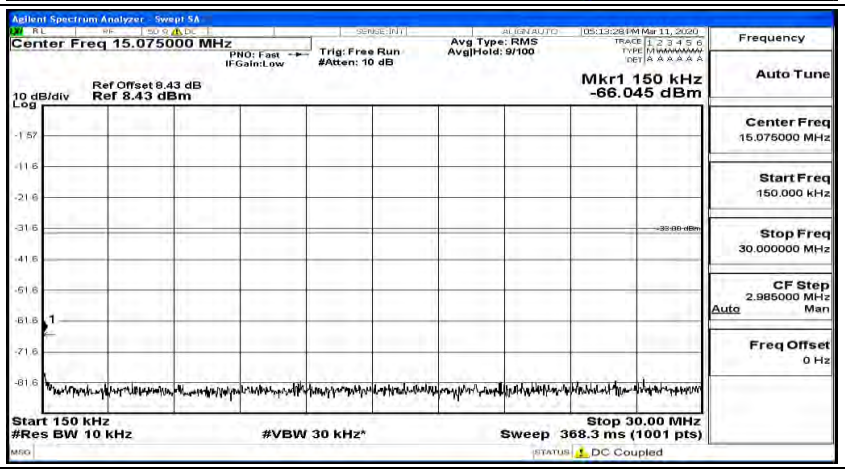


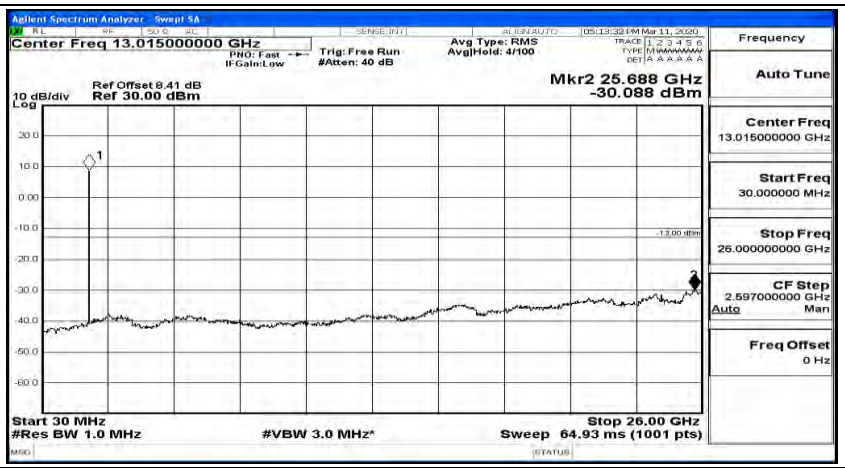
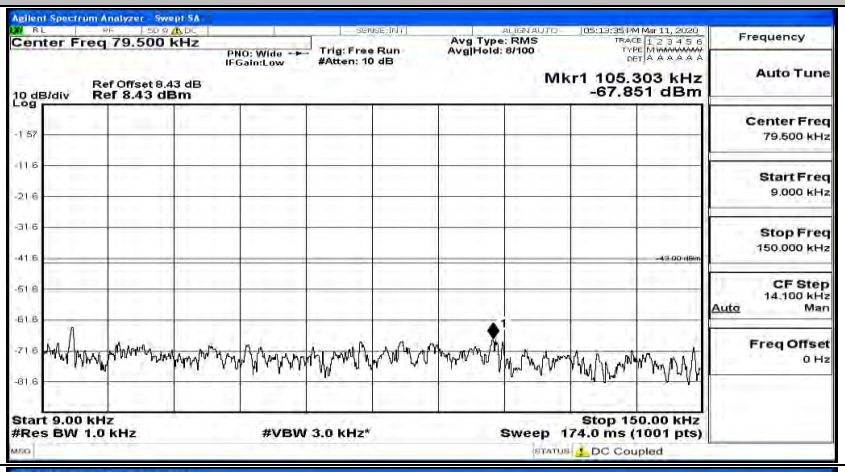
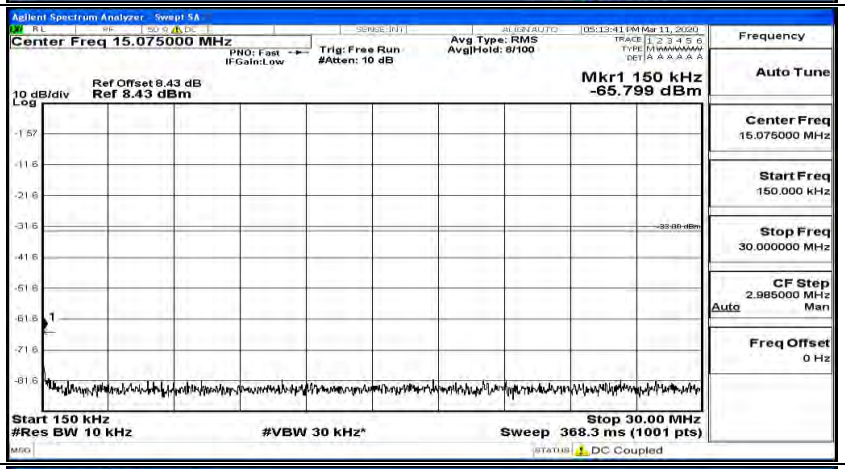




(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7







(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14