

Appendix G: Test Data for E-UTRA Band 7

Product Name: TABLET PC

Trade Mark: PC SMART

Test Model: PCSGOB10LTE-V2

Environmental Conditions

Temperature:	23.4° C
Relative Humidity:	54.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	LI HUAN

G.1 Conducted Output Power

Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK / 16QAM	LCH	1	0	23.59	23.60	PASS
		1	12	23.76	23.80	PASS
		1	24	22.95	23.06	PASS
		12	0	23.23	22.33	PASS
		12	6	23.21	22.18	PASS
		12	13	23.07	22.02	PASS
		25	0	23.06	22.39	PASS
	MCH	1	0	24.04	23.25	PASS
		1	12	24.40	23.08	PASS
		1	24	23.84	23.13	PASS
		12	0	23.55	22.59	PASS
		12	6	23.44	22.45	PASS
		12	13	23.58	22.57	PASS
		25	0	23.41	22.72	PASS
	HCH	1	0	21.83	22.02	PASS
		1	12	22.46	22.66	PASS
		1	24	21.95	22.16	PASS
		12	0	22.12	21.73	PASS
		12	6	22.34	21.80	PASS
		12	13	22.24	21.69	PASS
		25	0	22.22	22.06	PASS

Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK / 16QAM	LCH	1	0	23.66	23.67	PASS
		1	24	23.30	23.38	PASS
		1	49	23.04	23.14	PASS
		25	0	23.00	22.23	PASS
		25	12	22.89	22.03	PASS
		25	25	22.74	21.81	PASS
		50	0	22.99	22.14	PASS
	MCH	1	0	23.96	24.08	PASS
		1	24	24.18	24.12	PASS
		1	49	23.99	23.93	PASS
		25	0	23.66	22.72	PASS
		25	12	23.44	22.66	PASS
		25	25	23.52	22.70	PASS
		50	0	23.43	22.65	PASS
	HCH	1	0	21.74	21.97	PASS
		1	24	22.13	22.36	PASS
		1	49	22.51	22.68	PASS
		25	0	21.86	21.54	PASS
		25	12	22.09	21.76	PASS
		25	25	22.41	21.86	PASS
		50	0	22.15	21.82	PASS

Conducted Output Power Test Result (Channel Bandwidth: 15 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK / 16QAM	LCH	1	0	23.69	23.73	PASS
		1	37	22.85	22.98	PASS
		1	74	23.08	23.21	PASS
		37	0	23.02	22.15	PASS
		37	18	22.61	21.81	PASS
		37	38	22.14	21.32	PASS
		75	0	22.61	21.84	PASS
	MCH	1	0	23.96	24.16	PASS
		1	37	24.11	24.24	PASS
		1	74	23.30	23.49	PASS
		37	0	23.44	22.65	PASS
		37	18	23.37	22.56	PASS
		37	38	23.37	22.46	PASS
		75	0	23.34	22.48	PASS
	HCH	1	0	22.41	22.10	PASS
		1	37	21.87	22.10	PASS
		1	74	22.23	22.39	PASS
		37	0	22.08	21.26	PASS
		37	18	21.87	21.43	PASS
		37	38	22.13	21.74	PASS
		75	0	22.08	21.52	PASS

Conducted Output Power Test Result (Channel Bandwidth: 20 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK / 16QAM	LCH	1	0	23.84	23.39	PASS
		1	49	22.89	22.46	PASS
		1	99	23.53	22.64	PASS
		50	0	22.77	21.91	PASS
		50	25	22.43	21.48	PASS
		50	50	22.34	21.34	PASS
		100	0	22.46	21.58	PASS
	MCH	1	0	24.13	23.75	PASS
		1	49	24.20	24.00	PASS
		1	99	23.62	23.44	PASS
		50	0	23.50	22.69	PASS
		50	25	23.53	22.57	PASS
		50	50	23.24	22.39	PASS
		100	0	23.32	22.40	PASS
	HCH	1	0	22.75	22.54	PASS
		1	49	21.89	22.13	PASS
		1	99	22.76	22.98	PASS
		50	0	22.06	21.22	PASS
		50	25	22.08	21.45	PASS
		50	50	22.32	21.68	PASS
		100	0	22.37	21.42	PASS

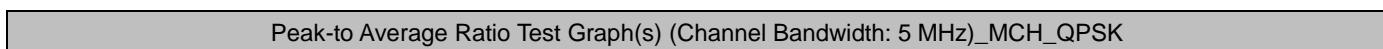
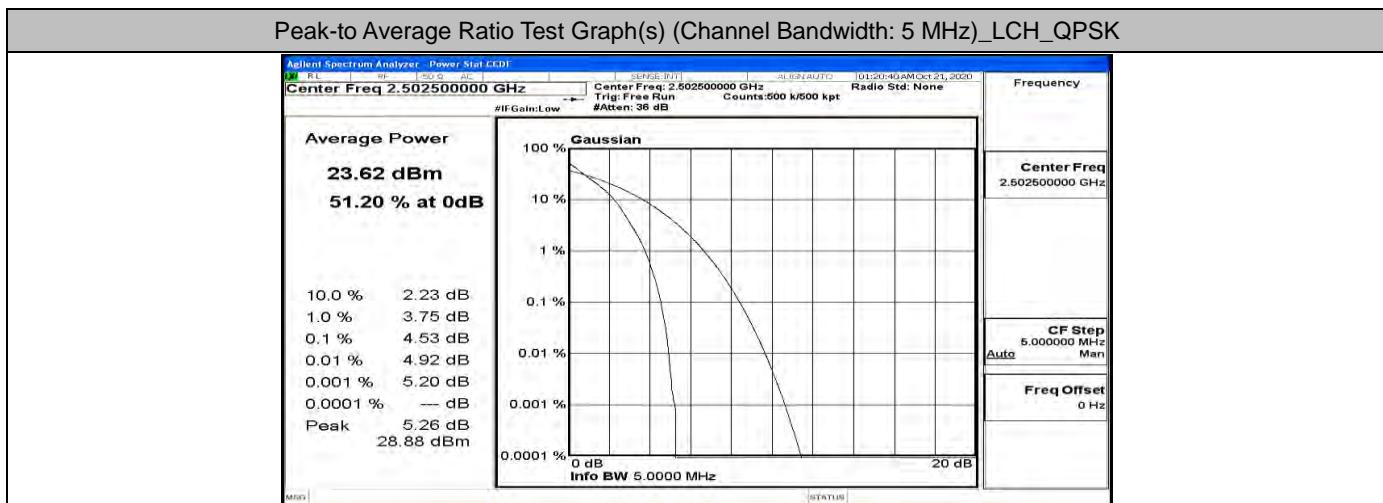
G.2 Peak-to-Average Ratio

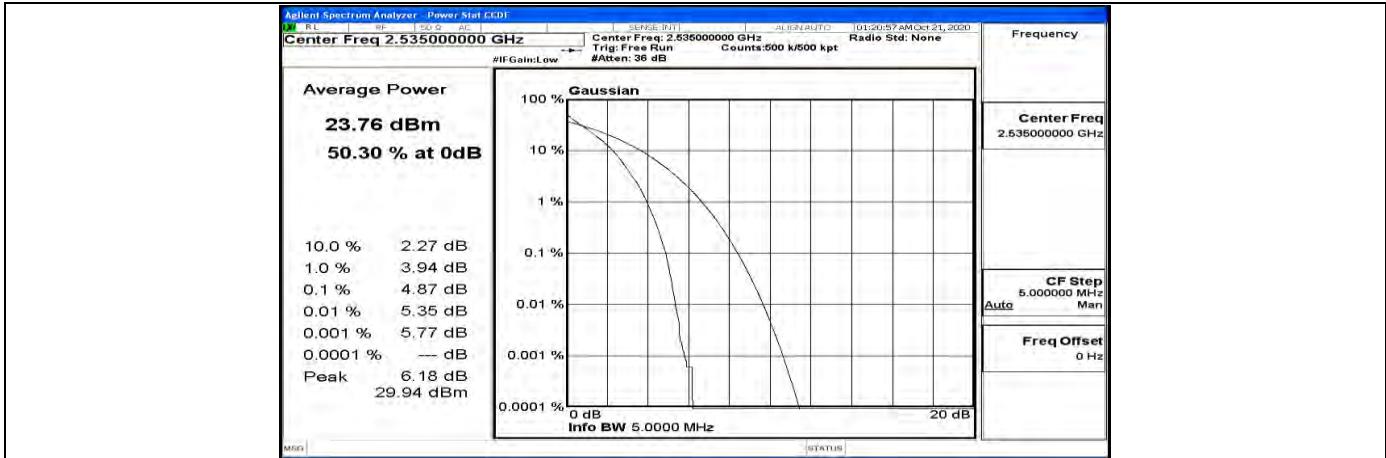
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.53	<13	PASS
	MCH	4.87	<13	PASS
	HCH	5.13	<13	PASS
16QAM	LCH	5.21	<13	PASS
	MCH	5.5	<13	PASS
	HCH	5.58	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.94	<13	PASS
	MCH	5.09	<13	PASS
	HCH	5.31	<13	PASS
16QAM	LCH	5.58	<13	PASS
	MCH	5.75	<13	PASS
	HCH	5.91	<13	PASS

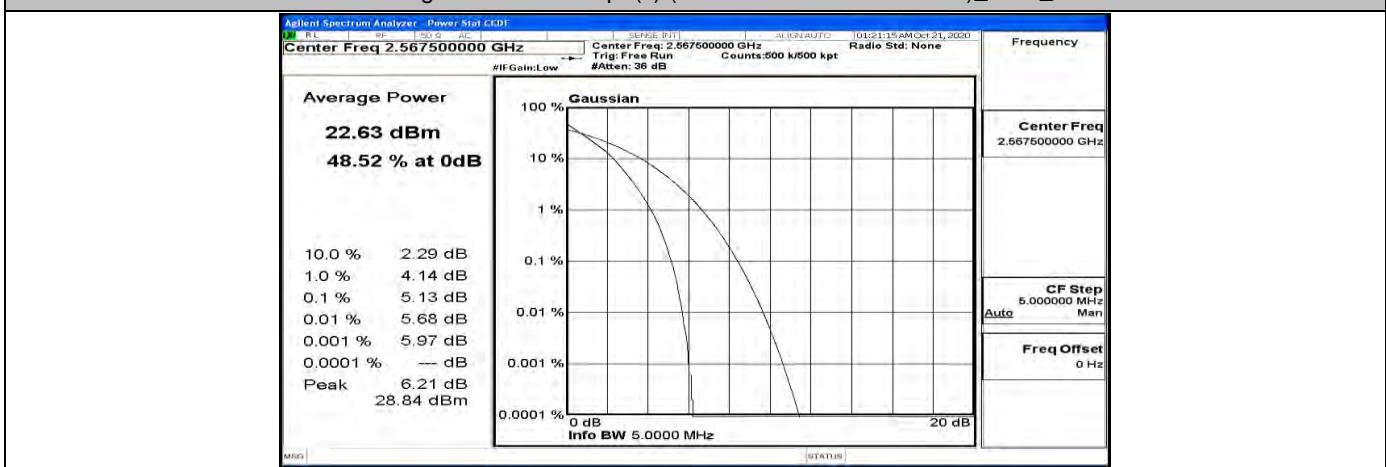
Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.01	<13	PASS
	MCH	4.87	<13	PASS
	HCH	5.00	<13	PASS
16QAM	LCH	6.08	<13	PASS
	MCH	6.02	<13	PASS
	HCH	6.19	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.74	<13	PASS
	MCH	5.68	<13	PASS
	HCH	5.75	<13	PASS
16QAM	LCH	6.71	<13	PASS
	MCH	6.52	<13	PASS
	HCH	6.67	<13	PASS

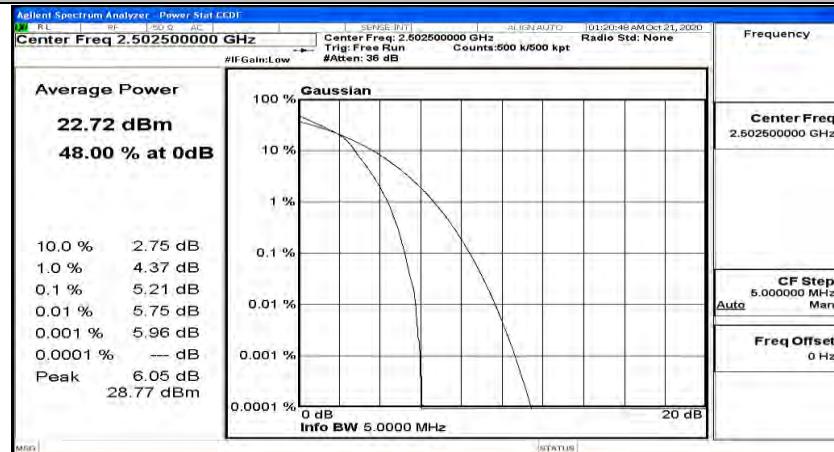




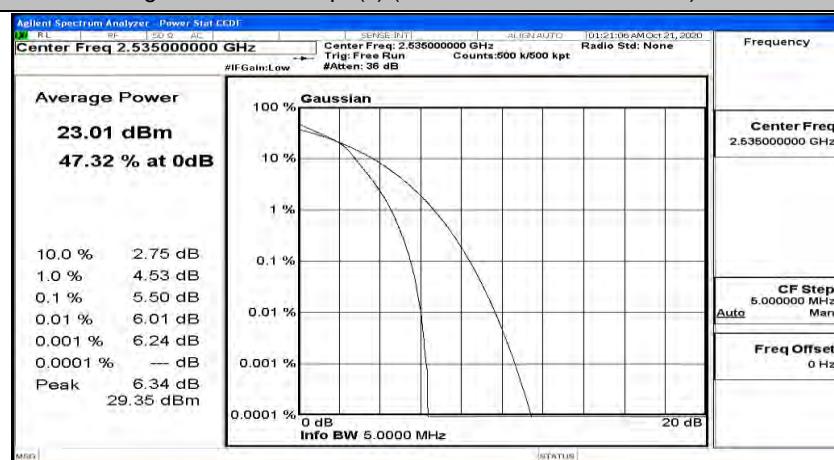
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



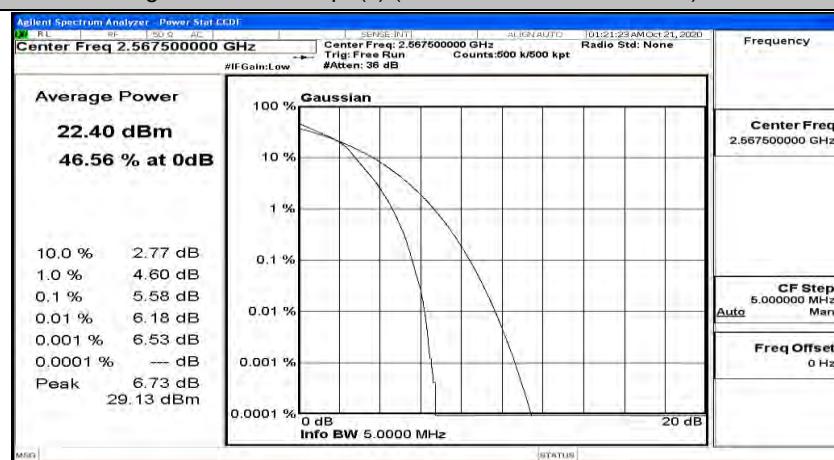
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



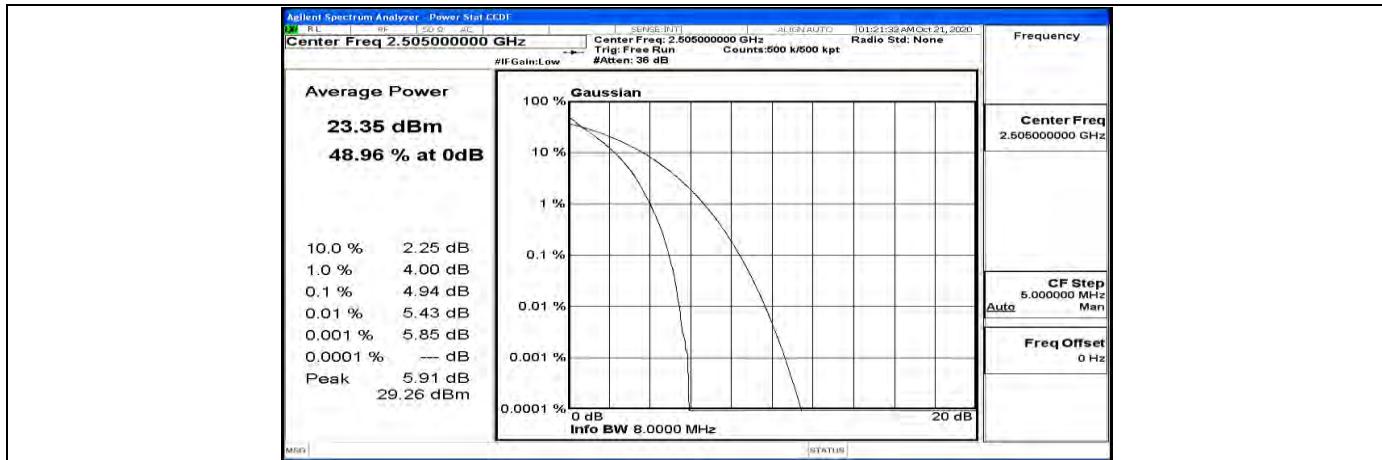
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



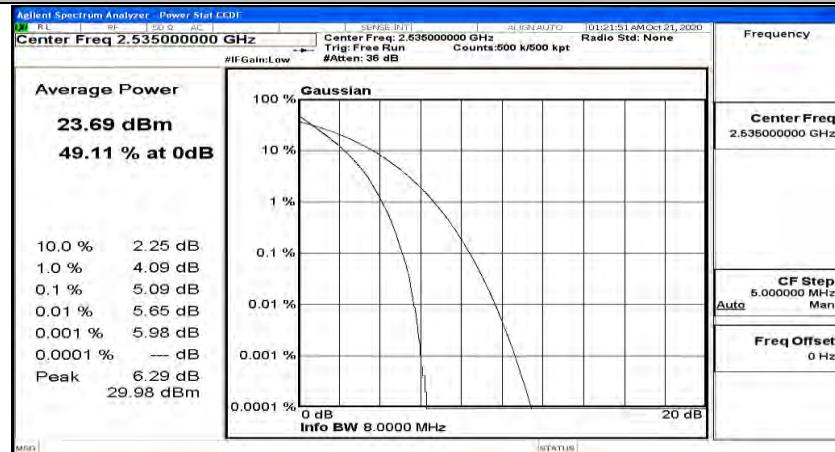
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



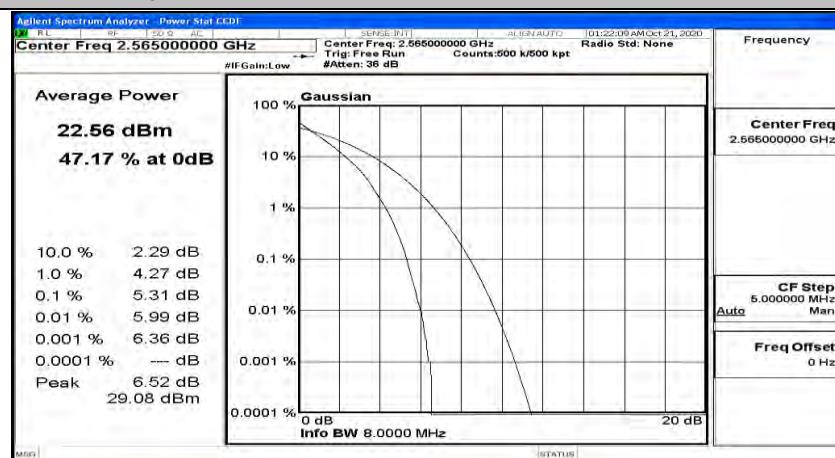
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



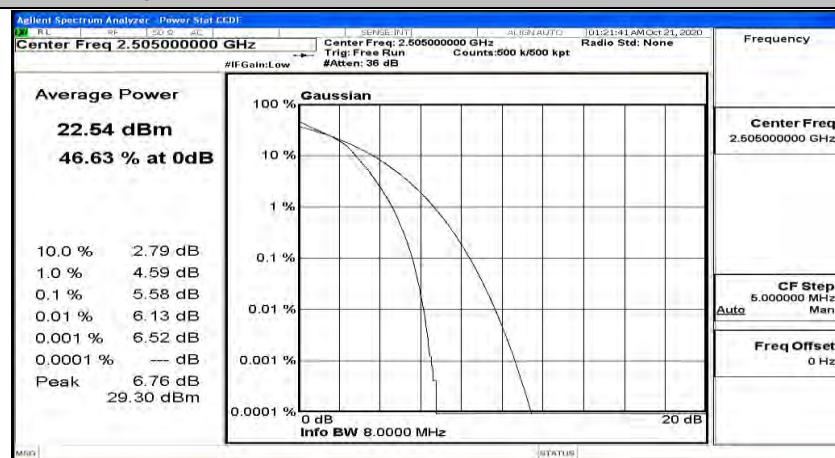
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



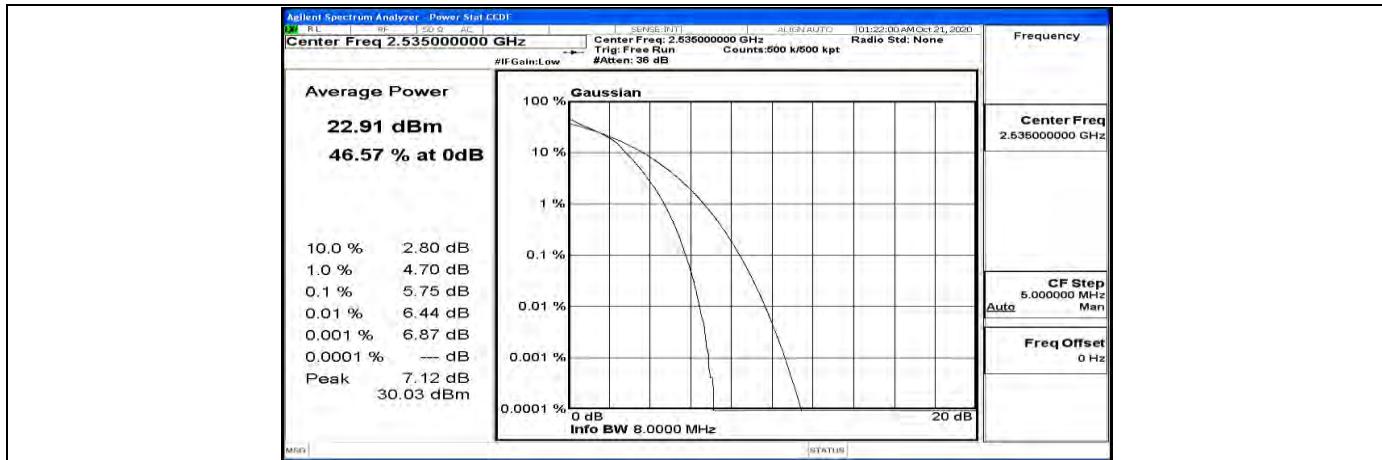
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



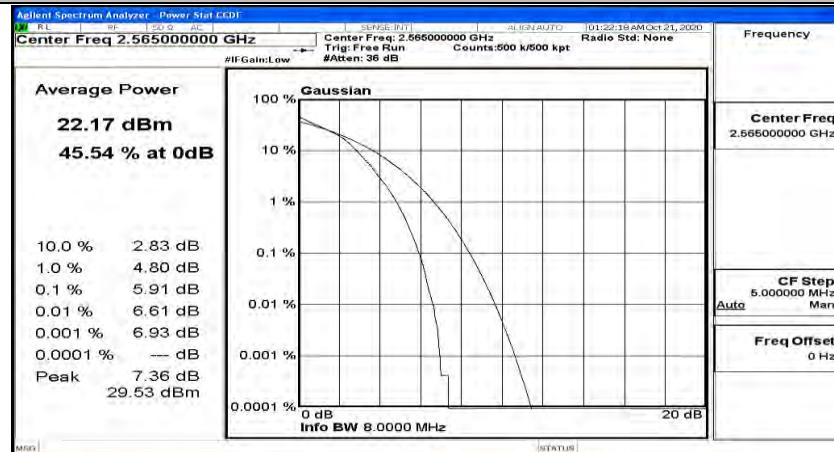
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



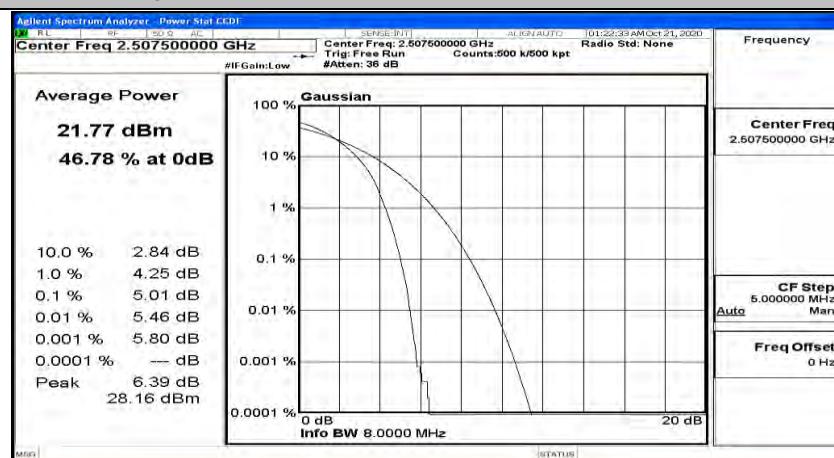
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



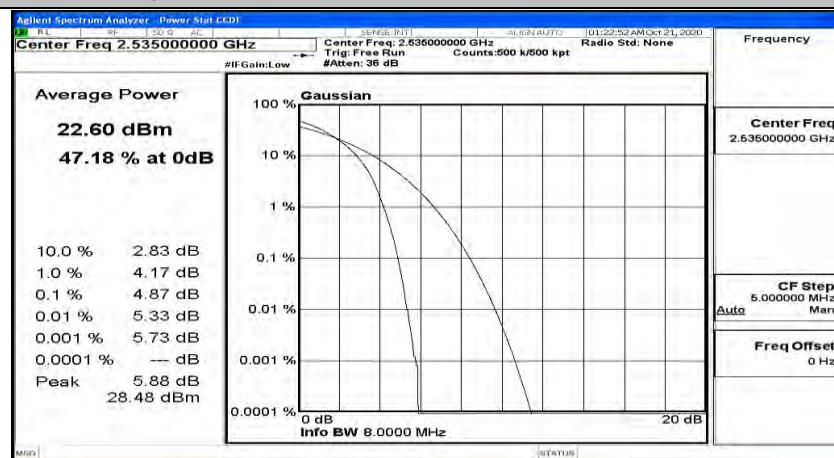
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



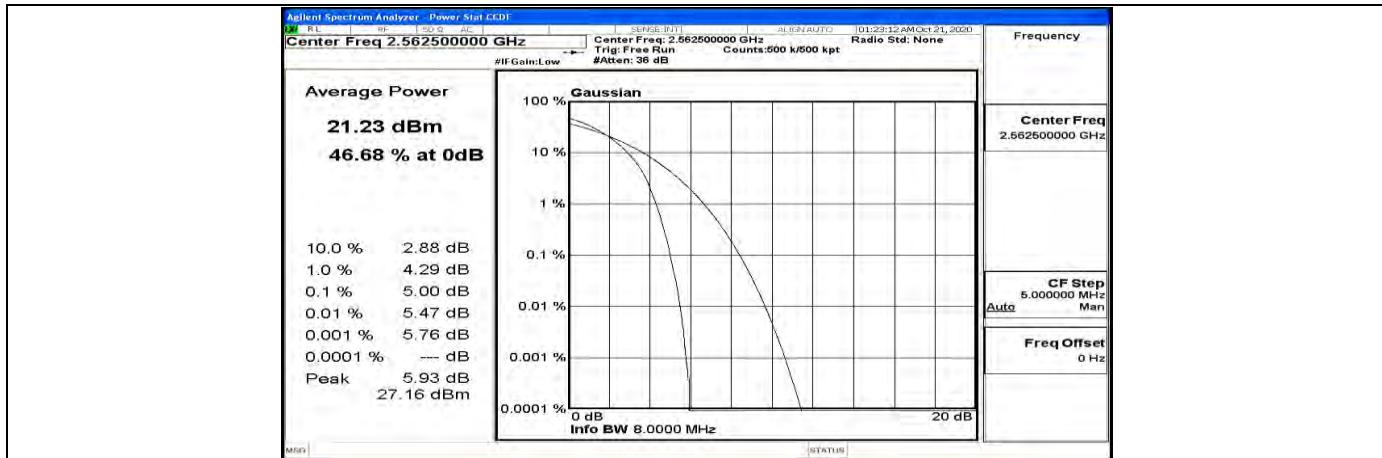
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



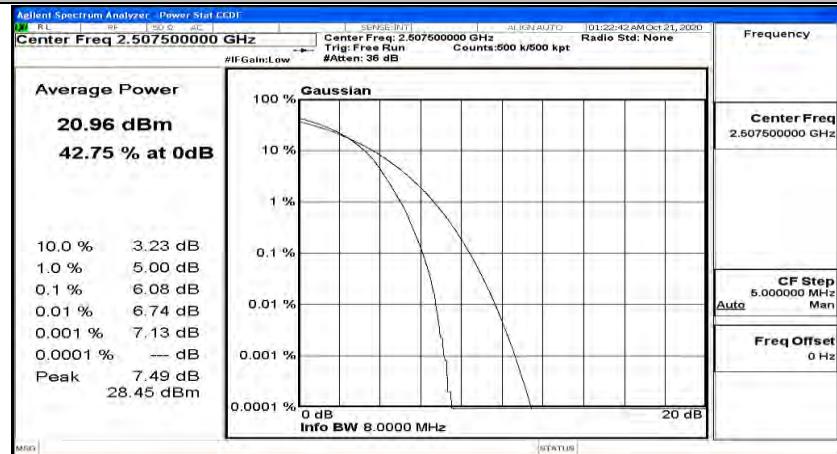
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK



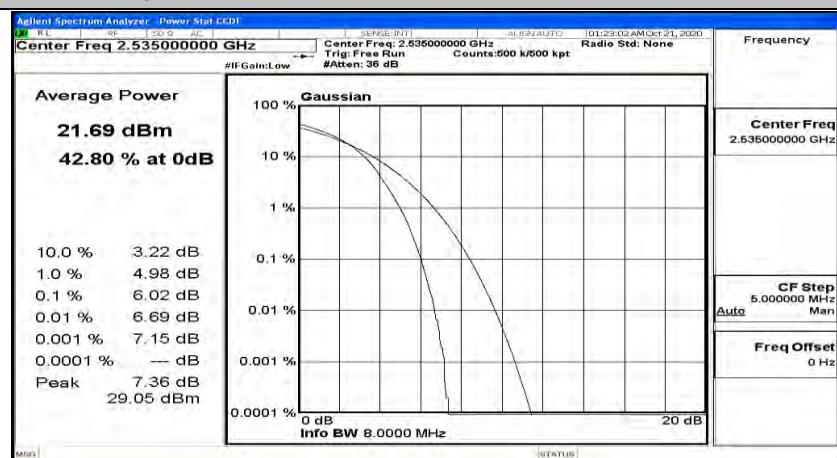
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



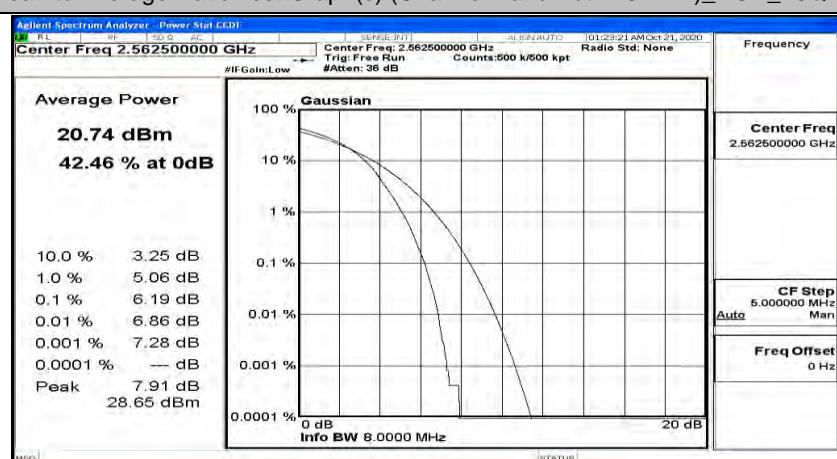
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



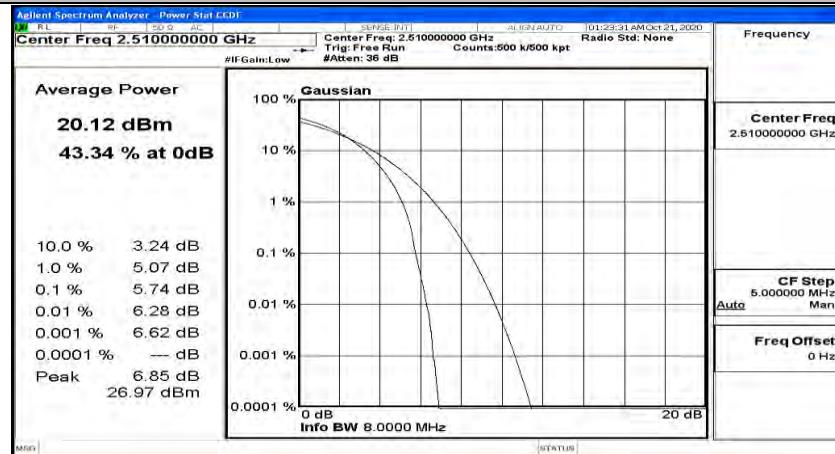
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM



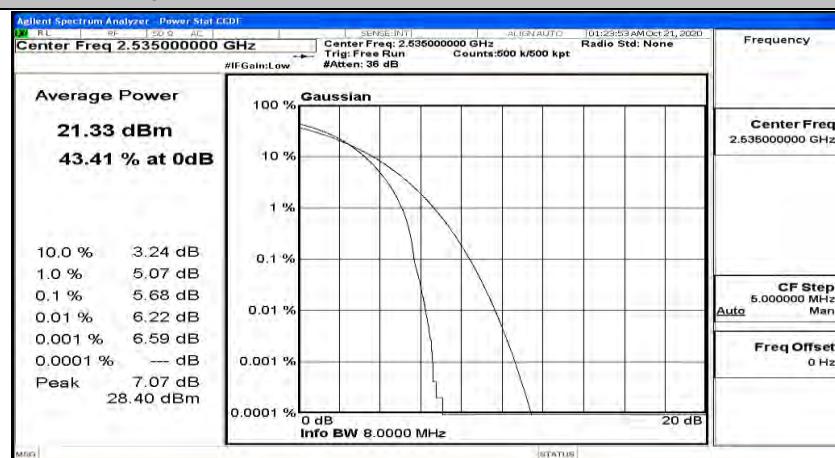
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



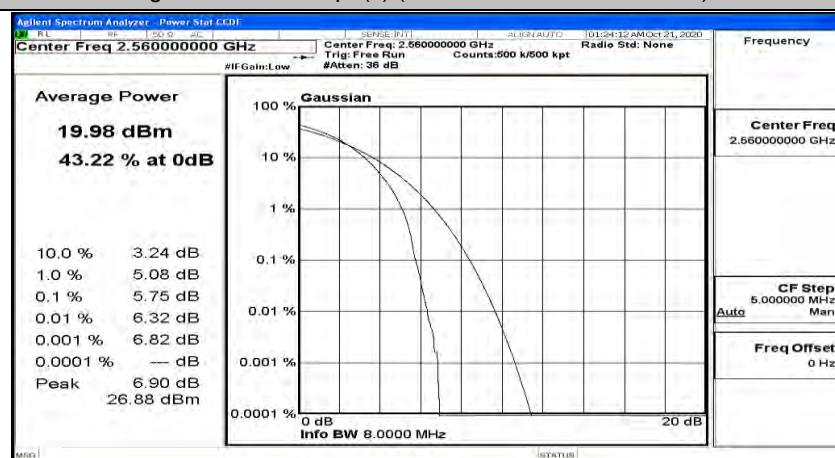
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



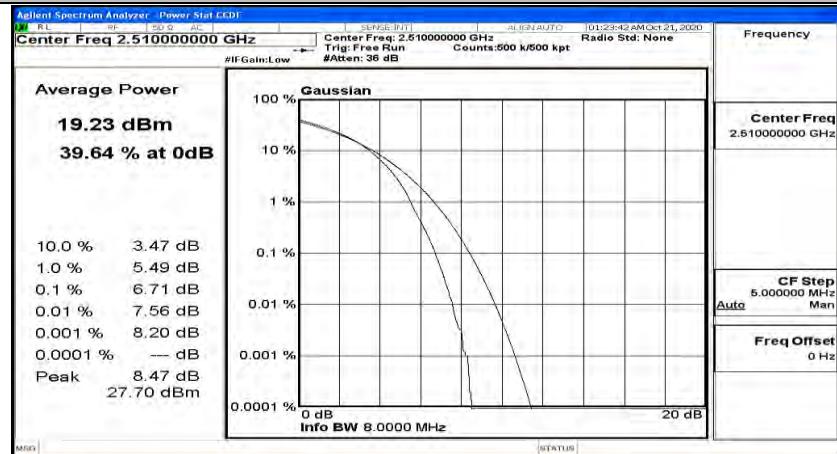
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK



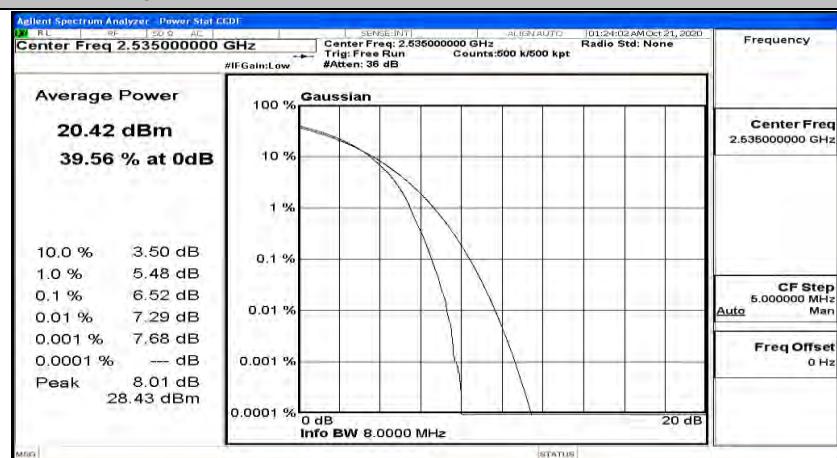
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



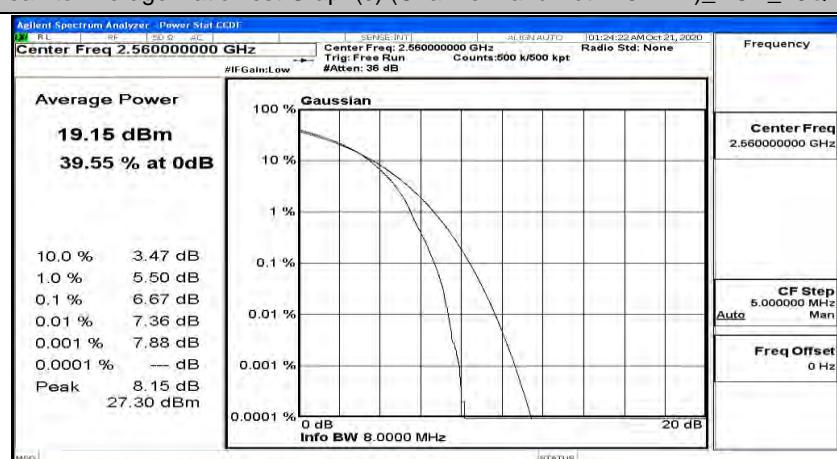
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM



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



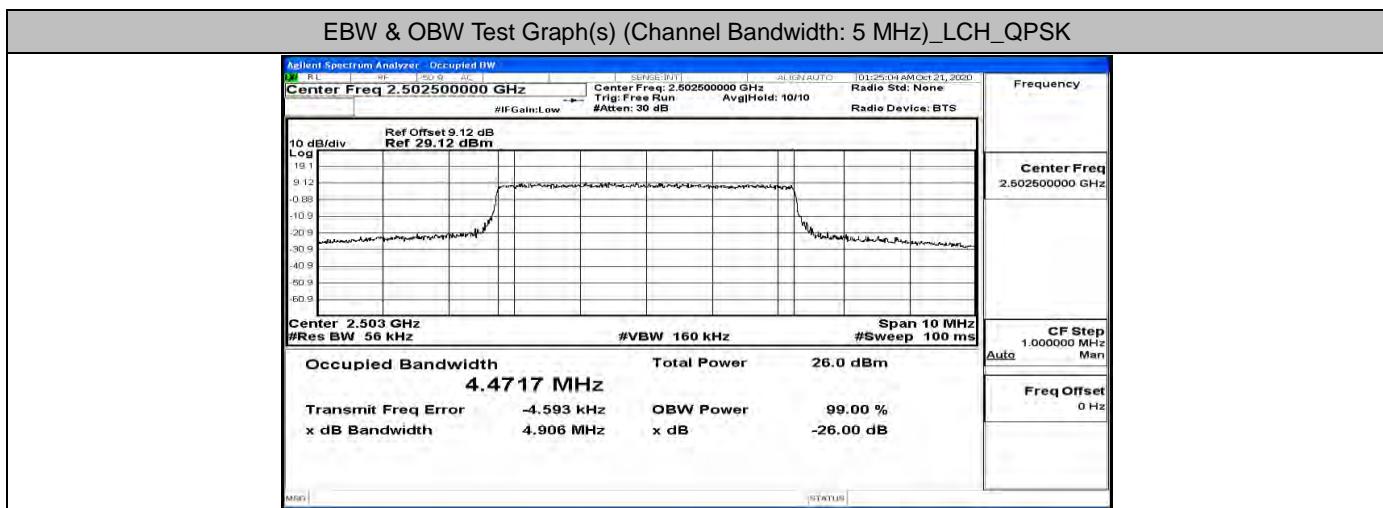
G.3 26dB Bandwidth and Occupied Bandwidth

EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4717	4.906	PASS
	MCH	4.4824	4.829	PASS
	HCH	4.4705	4.866	PASS
16QAM	LCH	4.4680	4.780	PASS
	MCH	4.4672	4.811	PASS
	HCH	4.4694	4.874	PASS

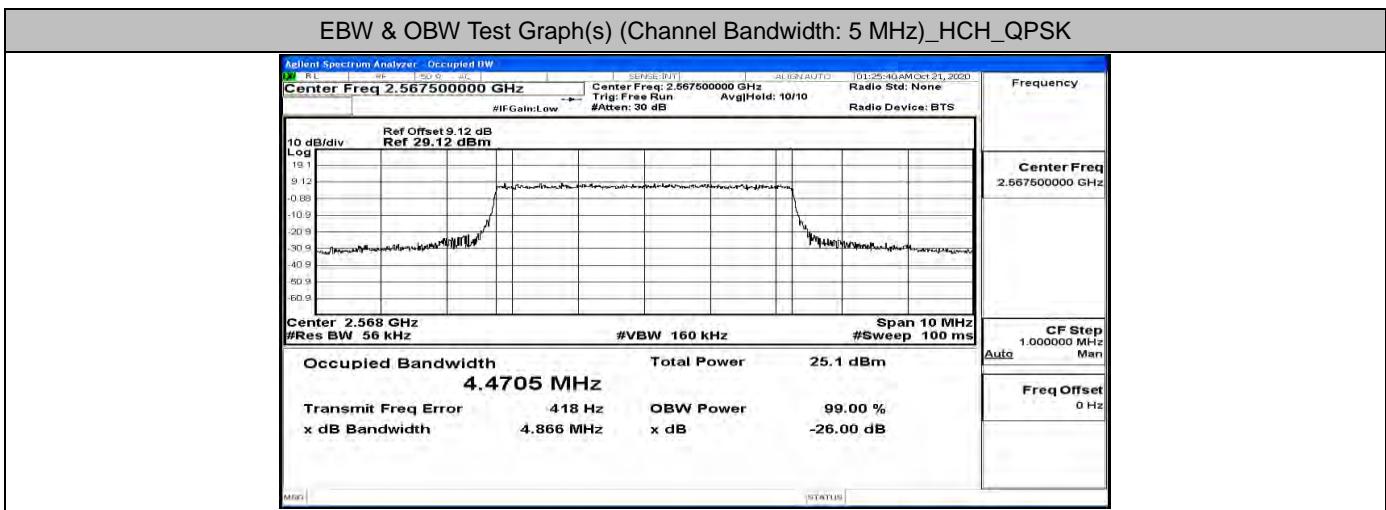
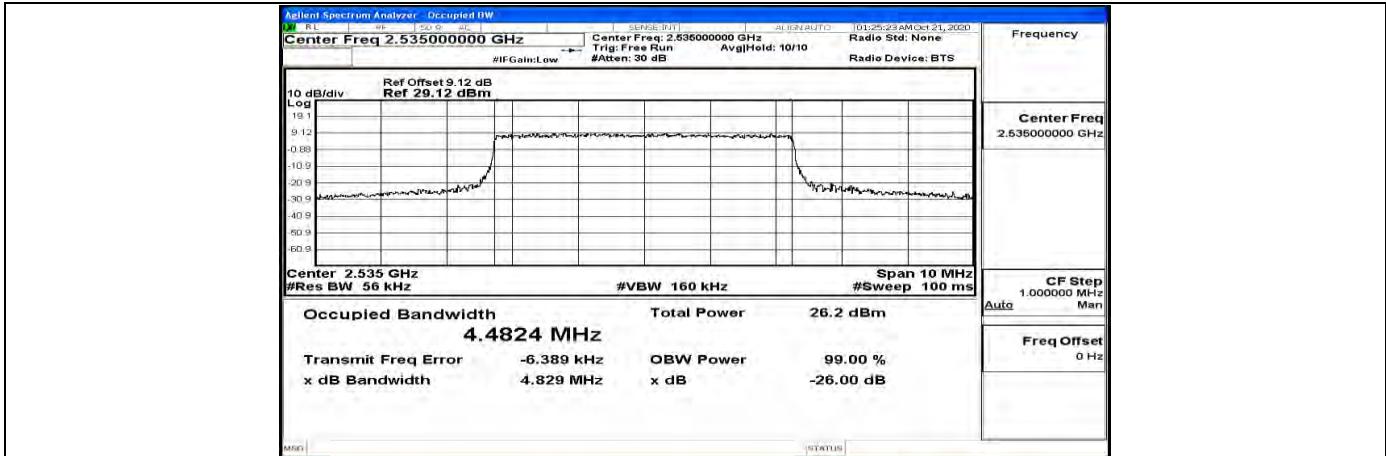
EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9507	9.595	PASS
	MCH	8.9296	9.527	PASS
	HCH	8.9300	9.498	PASS
16QAM	LCH	8.9433	9.618	PASS
	MCH	8.9450	9.507	PASS
	HCH	8.9275	9.539	PASS

EBW & OBW Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	13.432	14.27	PASS
	MCH	13.385	14.02	PASS
	HCH	13.407	14.28	PASS
16QAM	LCH	13.429	14.24	PASS
	MCH	13.391	14.17	PASS
	HCH	13.421	14.25	PASS

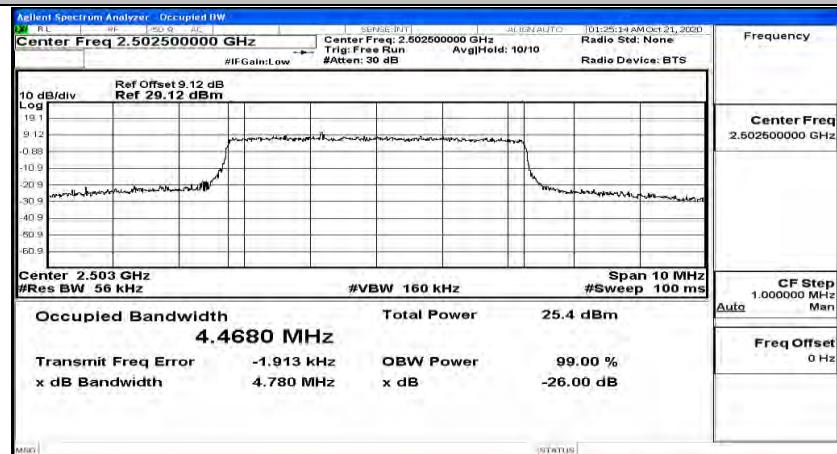
EBW & OBW Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	17.913	18.94	PASS
	MCH	17.884	18.71	PASS
	HCH	17.909	18.80	PASS
16QAM	LCH	17.925	18.82	PASS
	MCH	17.851	18.73	PASS
	HCH	17.894	18.76	PASS



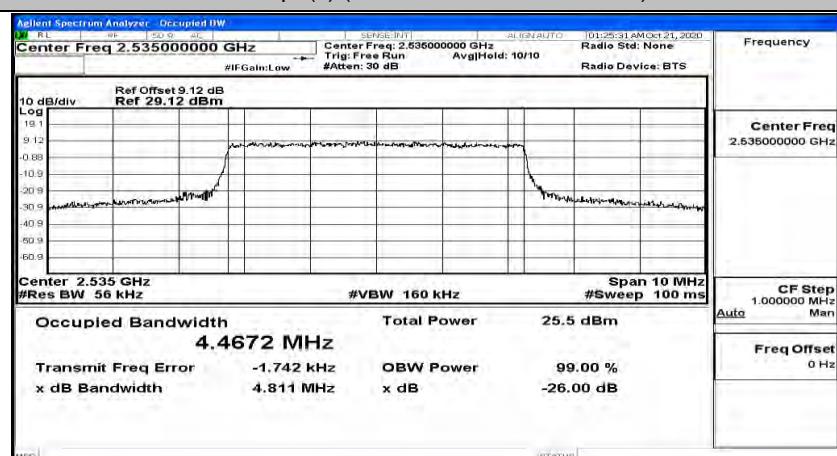
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



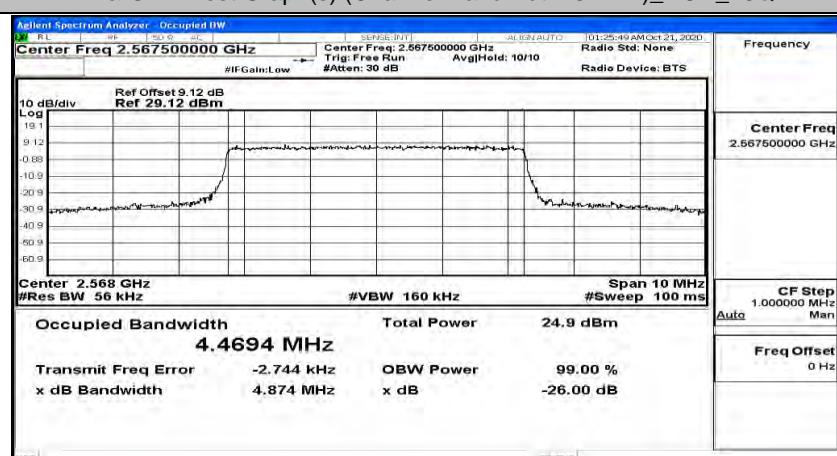
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



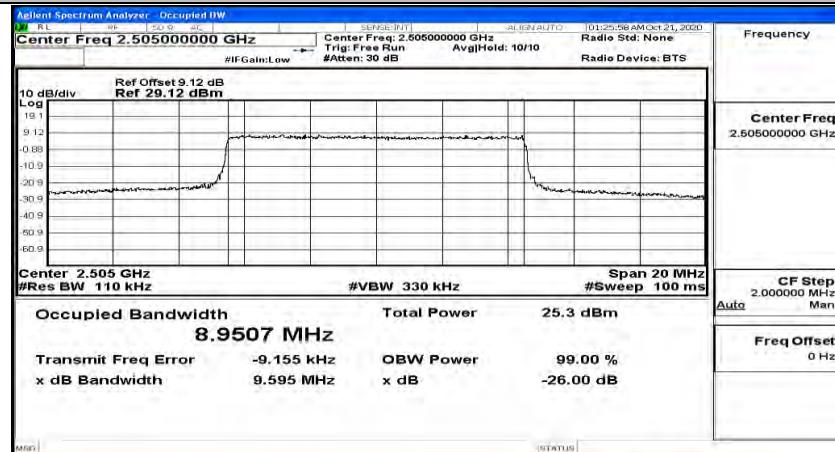
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



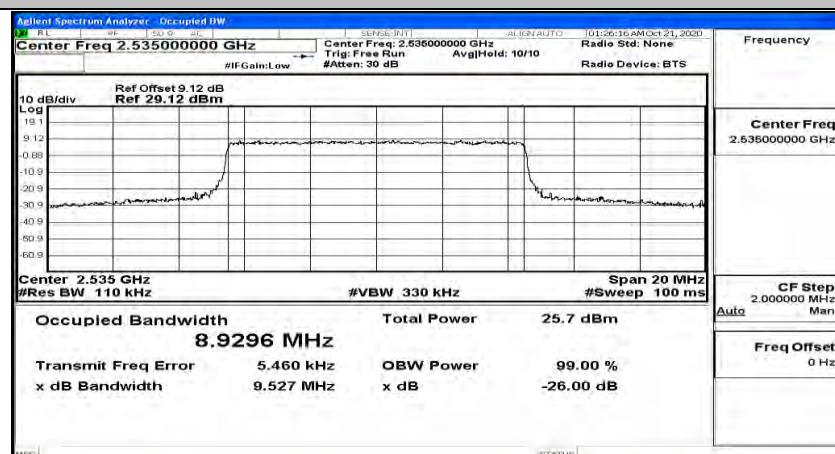
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



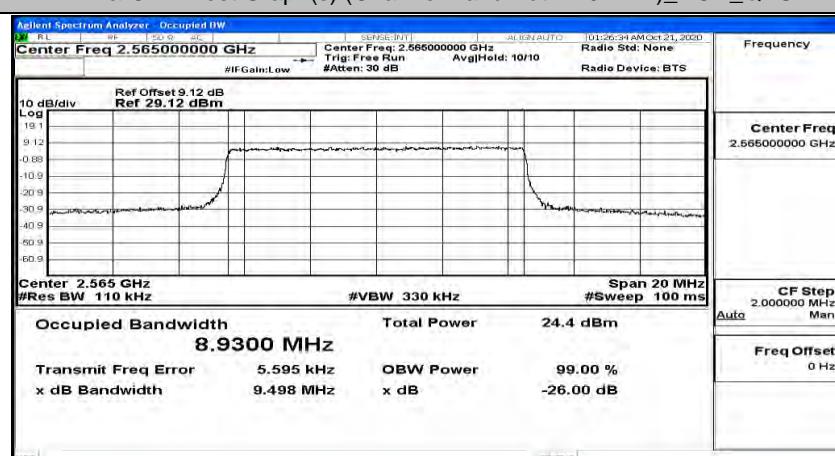
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



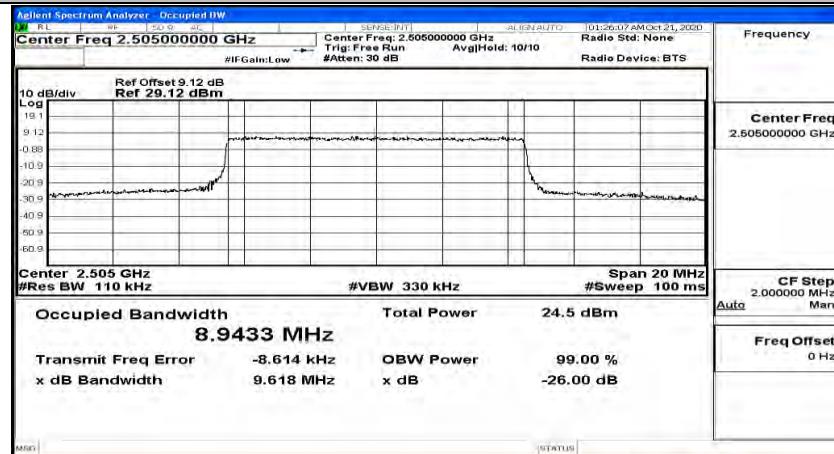
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



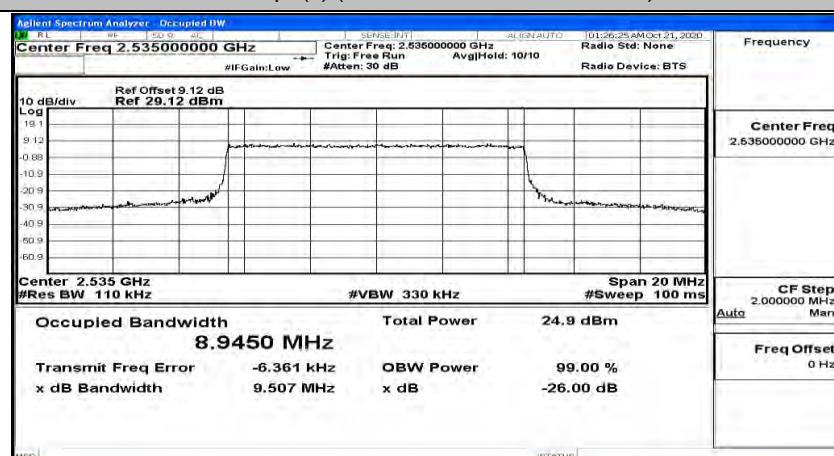
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



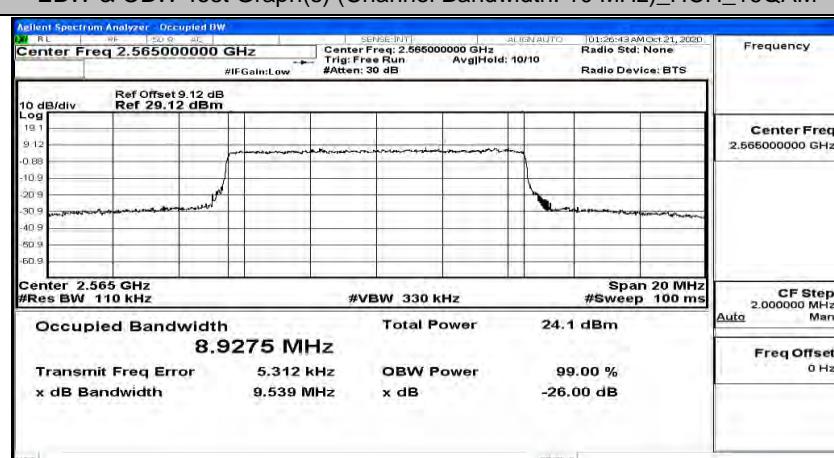
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



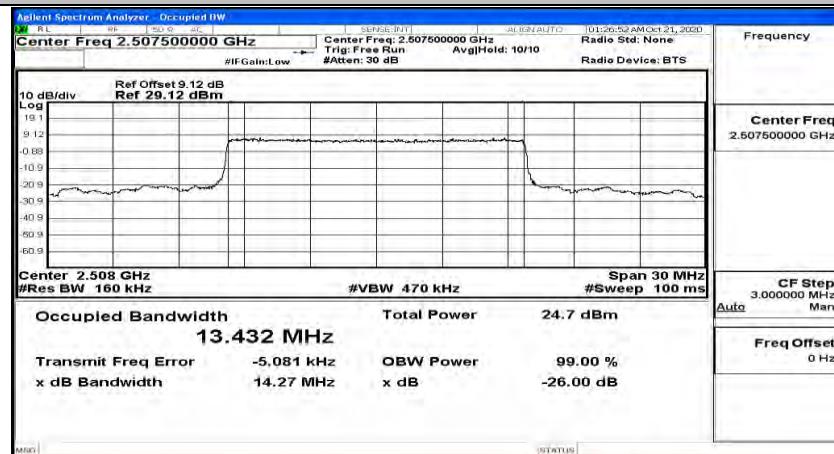
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



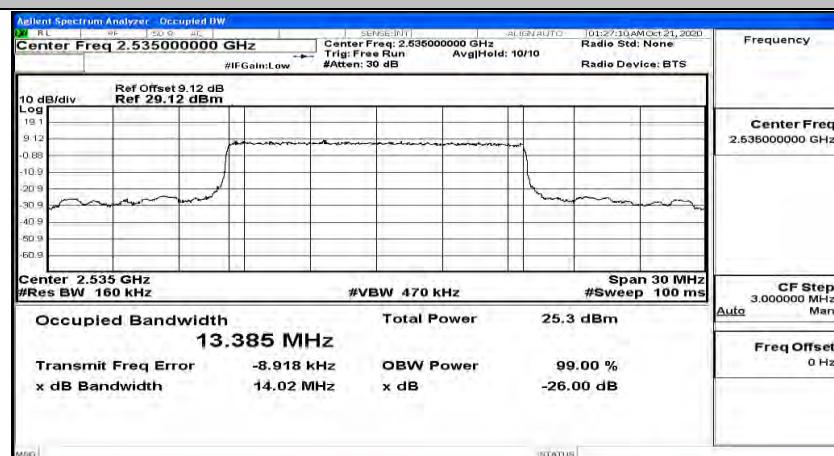
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



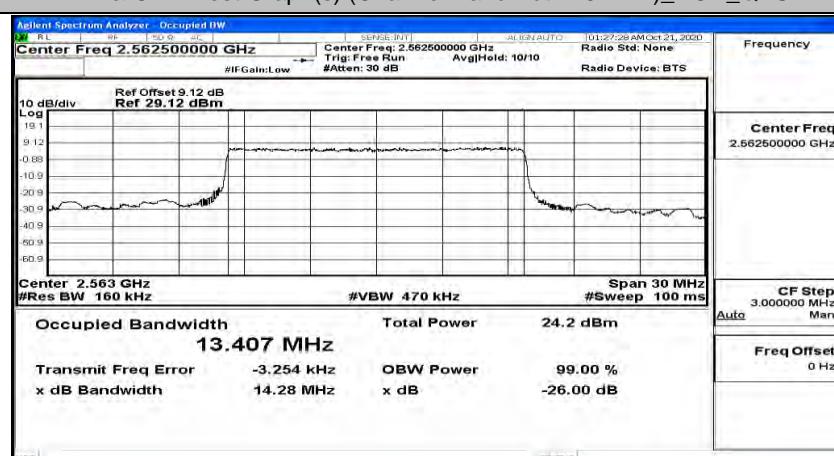
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



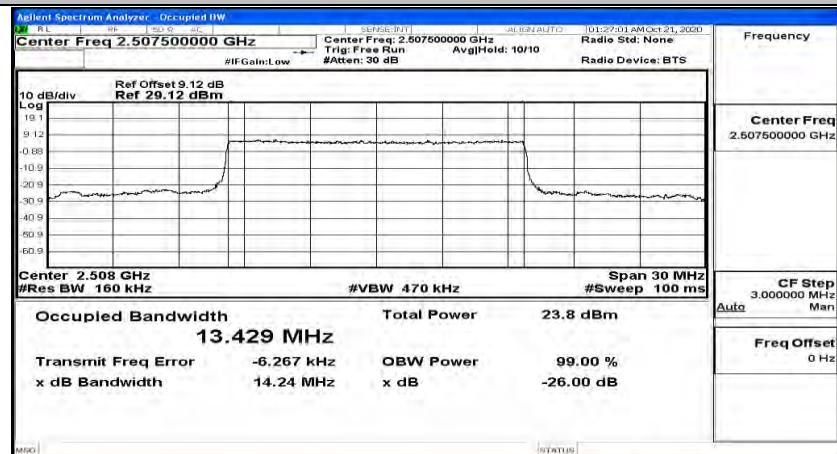
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK



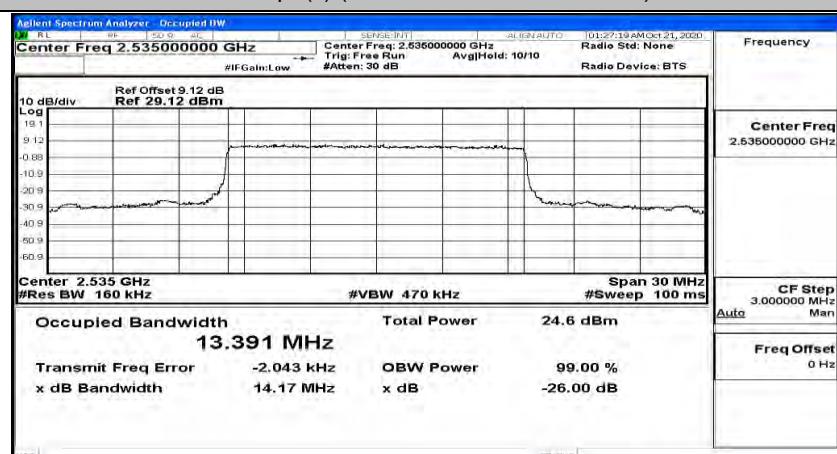
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



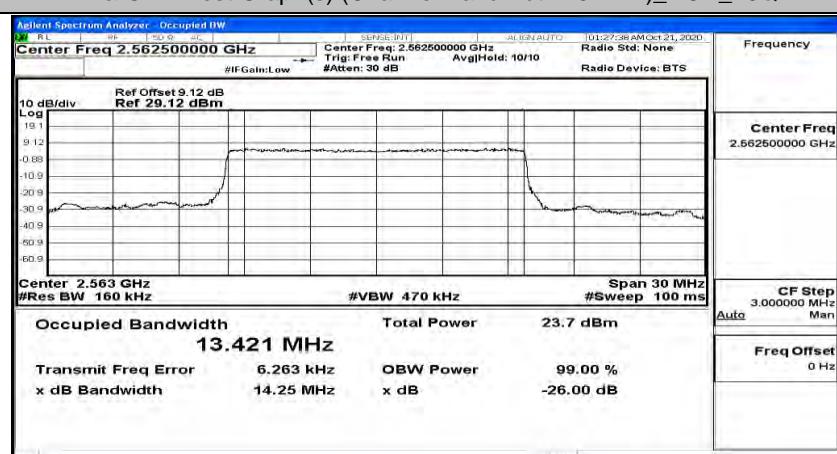
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



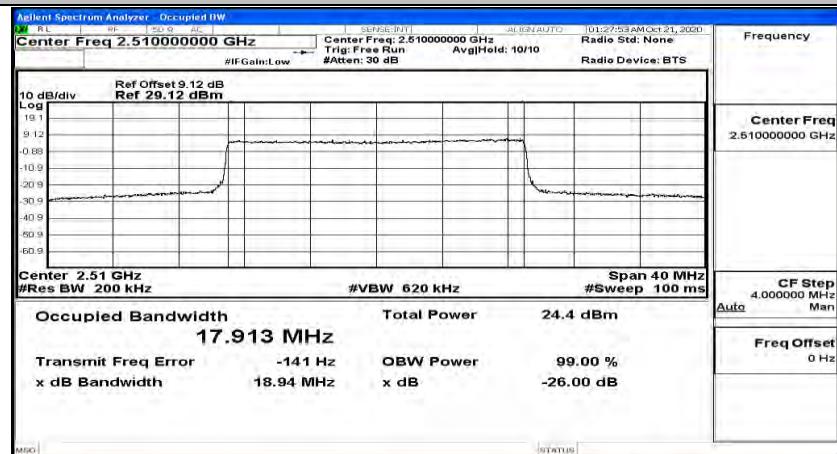
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM



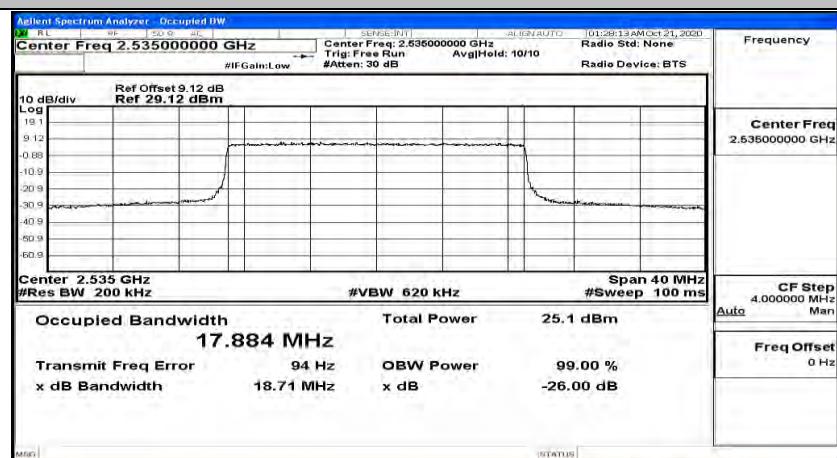
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



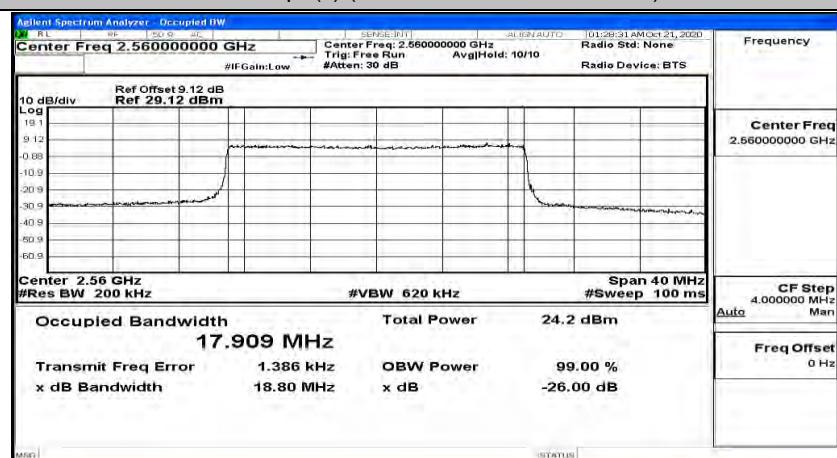
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



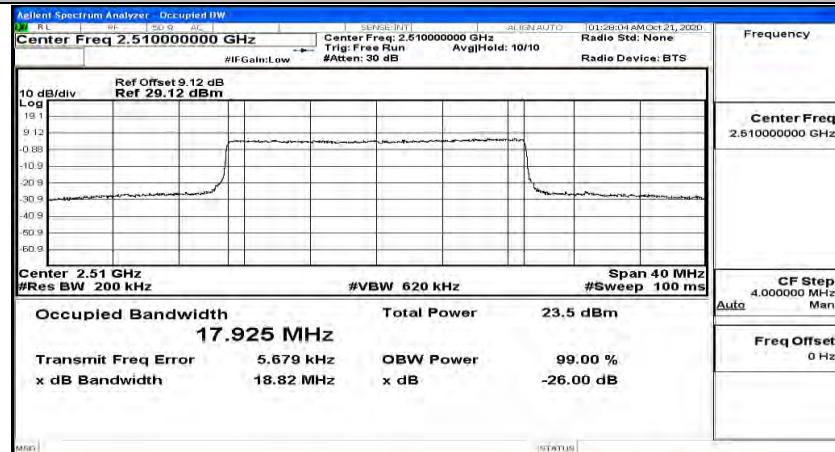
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK



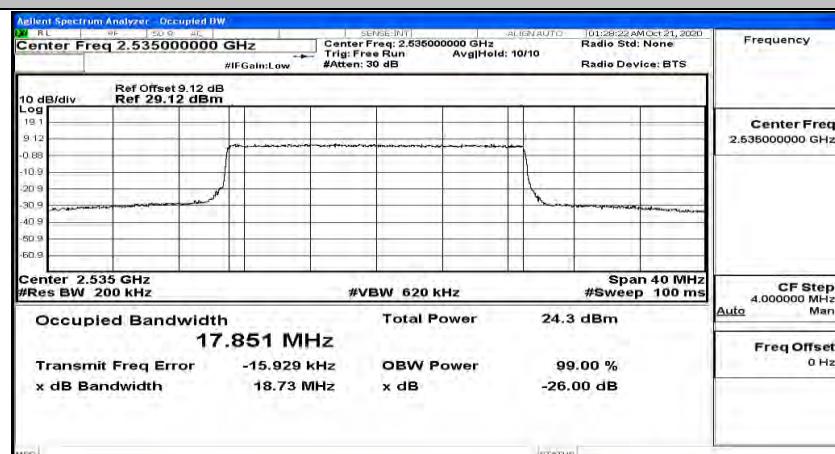
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



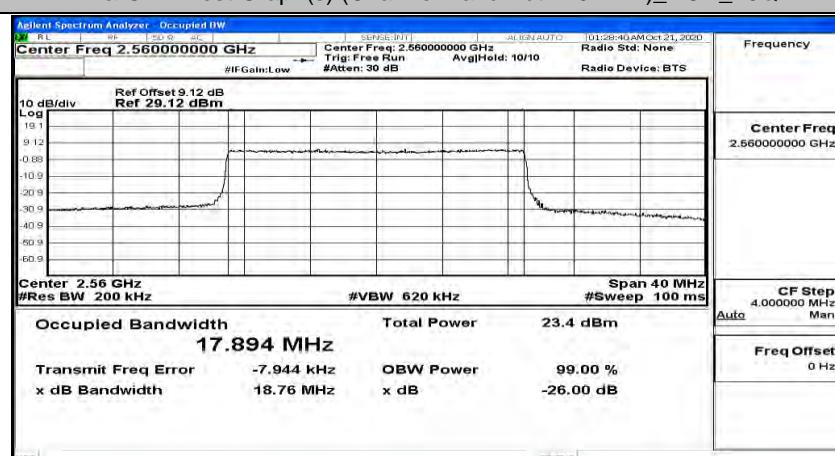
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM



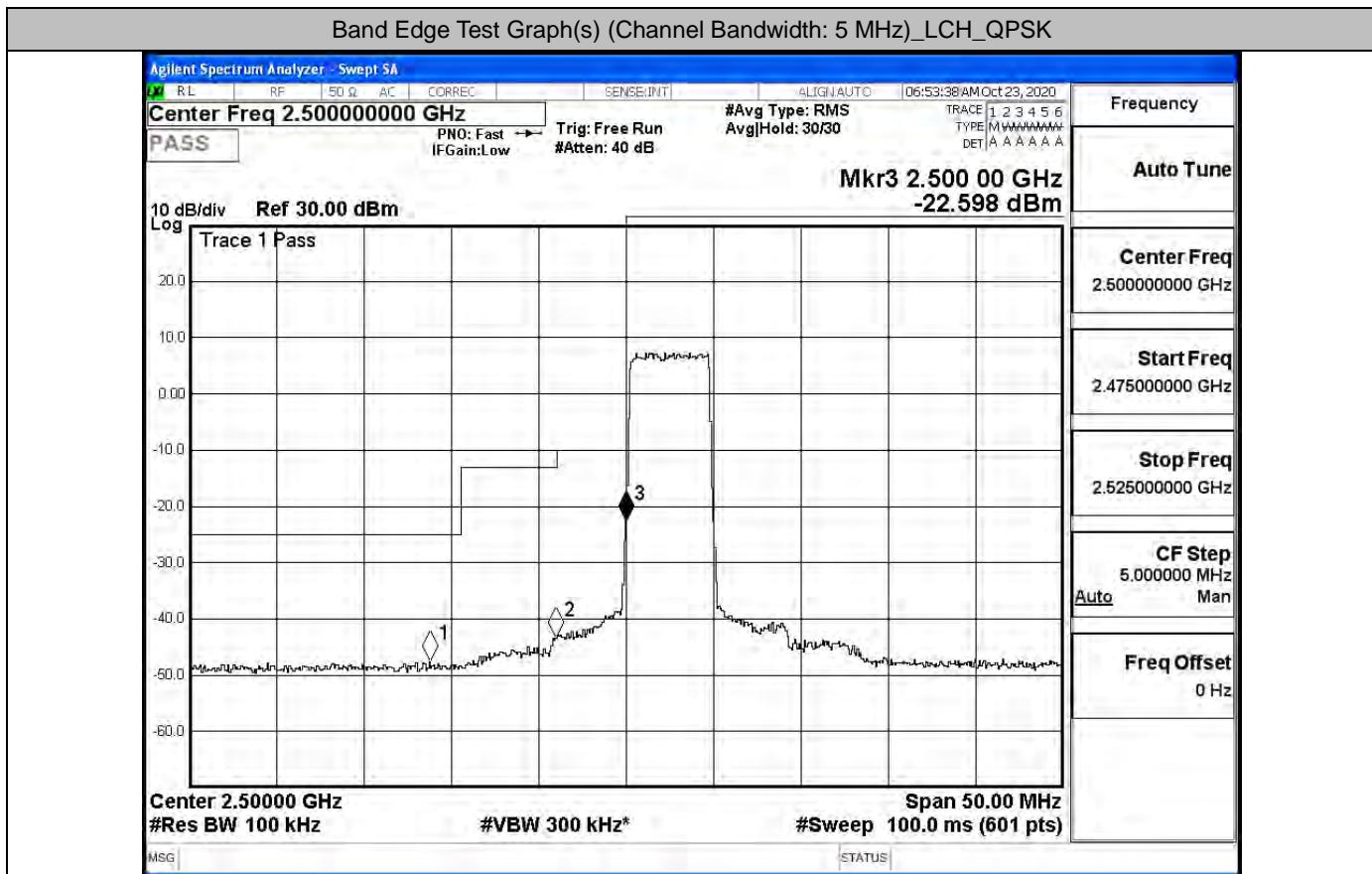
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_16QAM

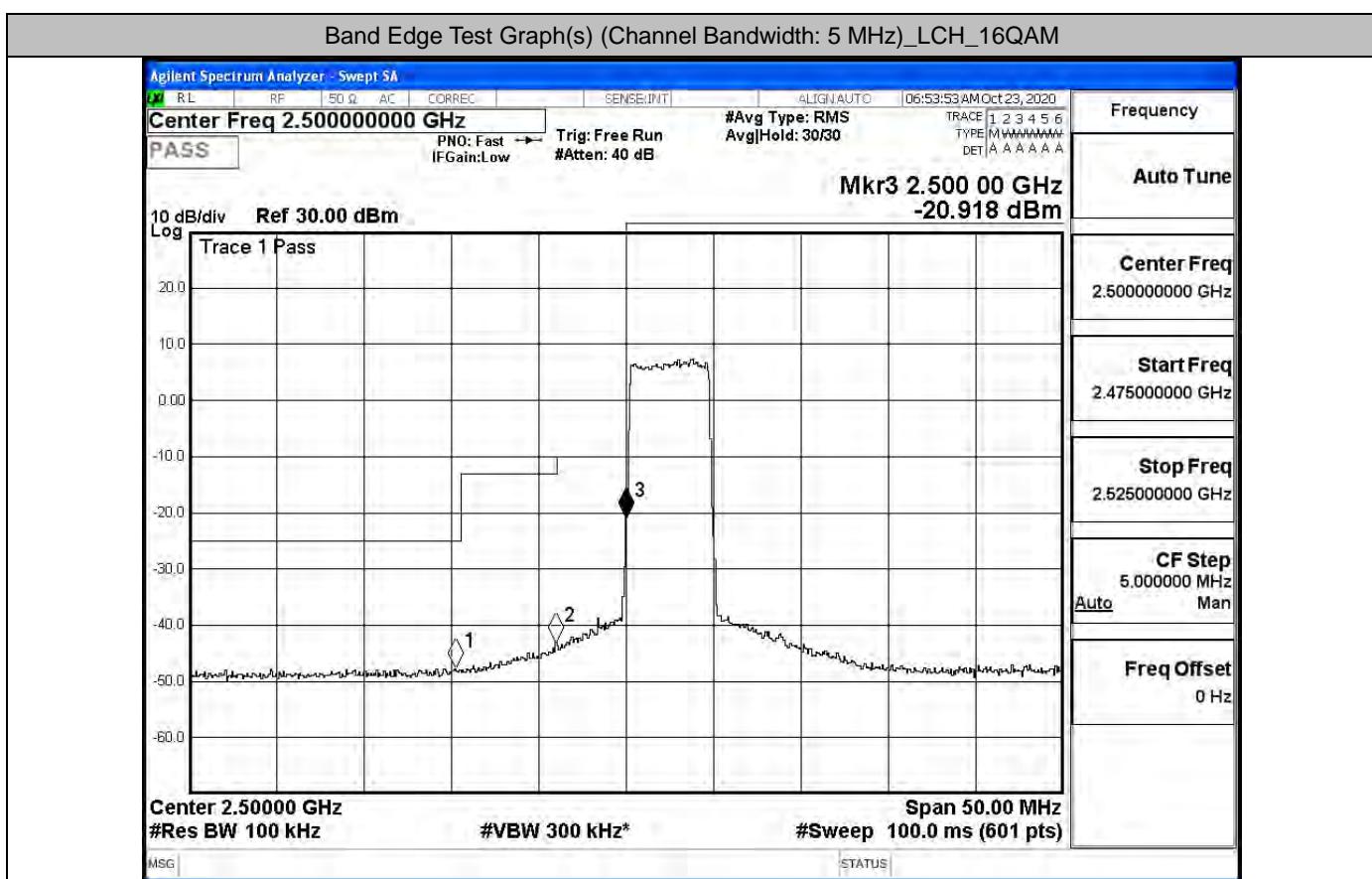
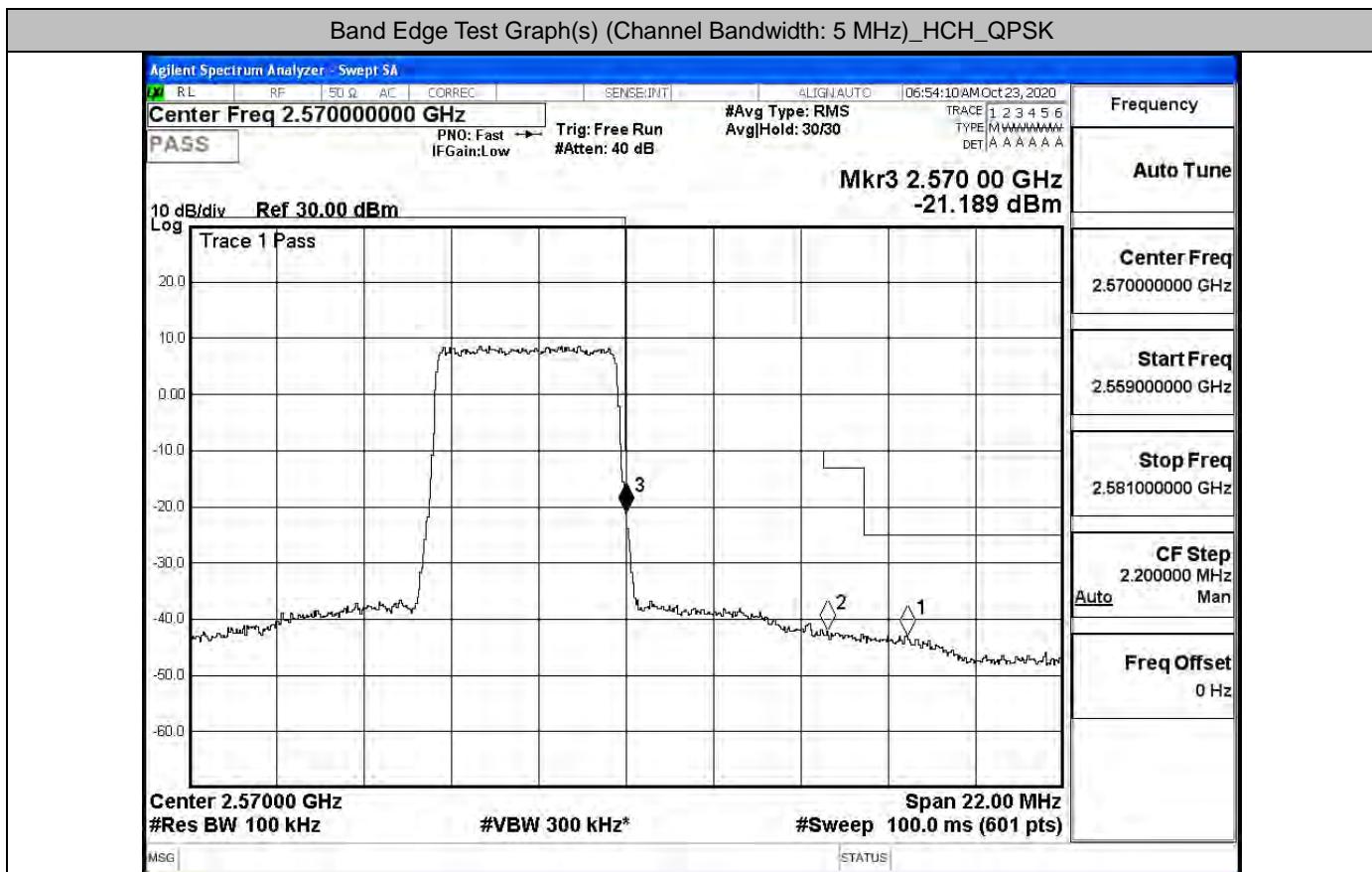


EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM

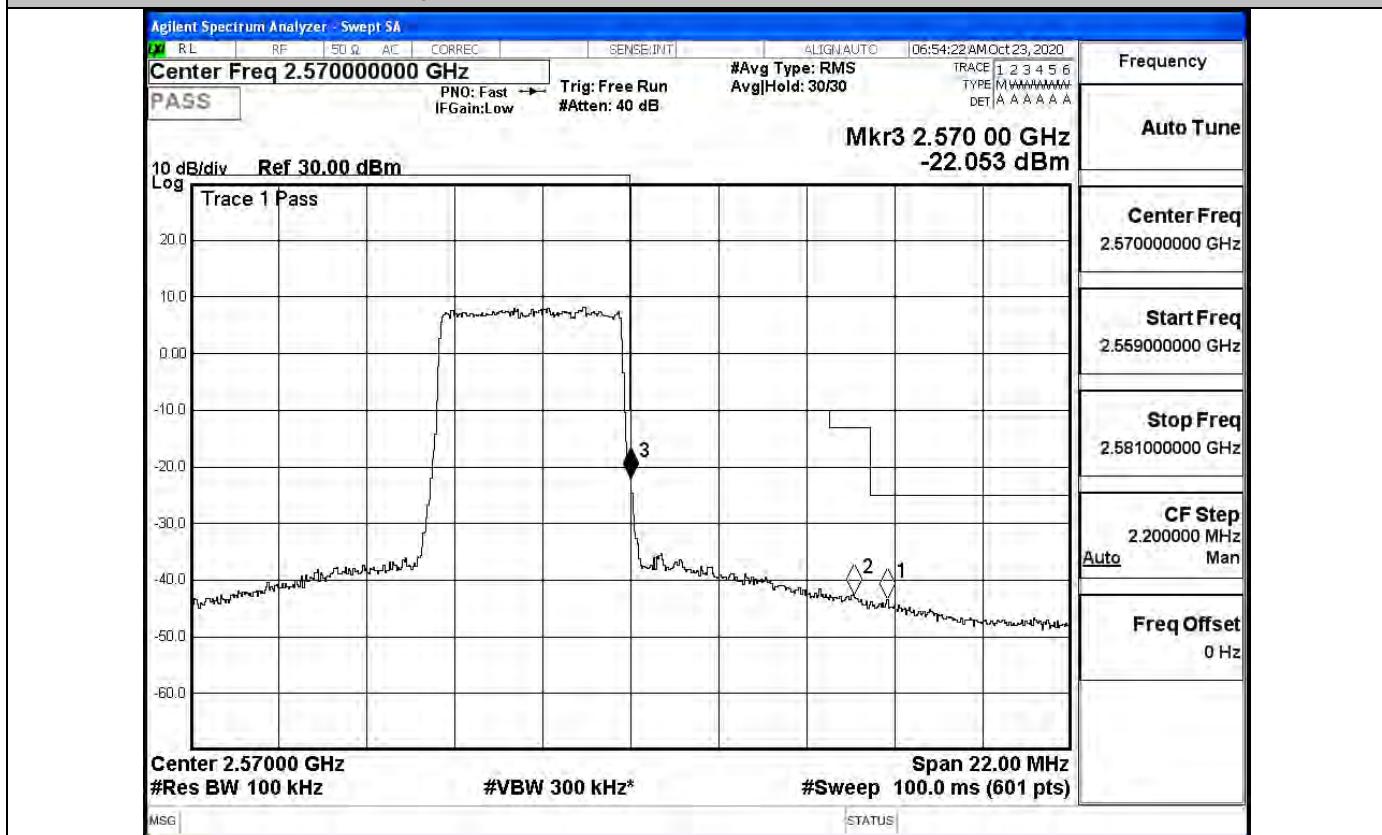


G.4 Band Edge

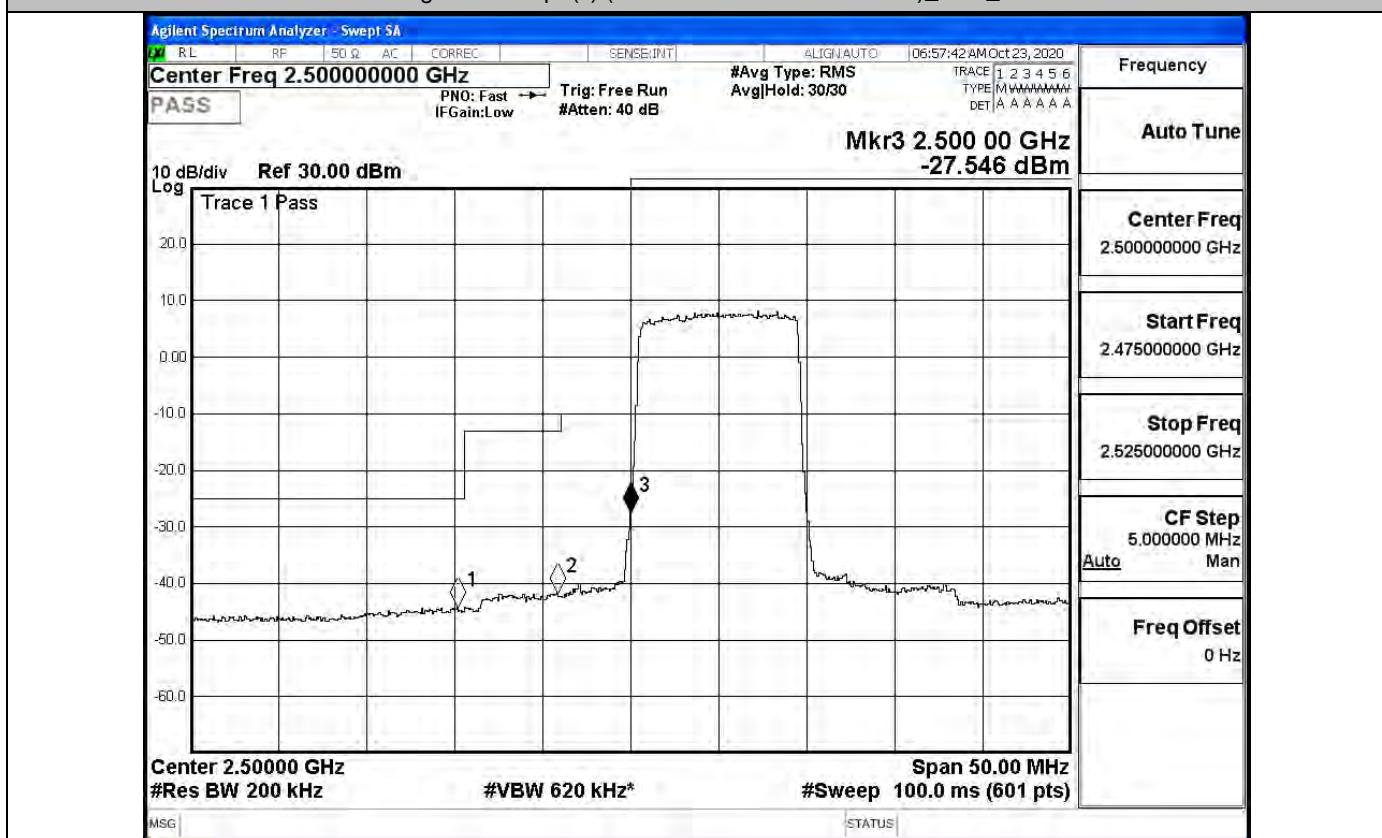


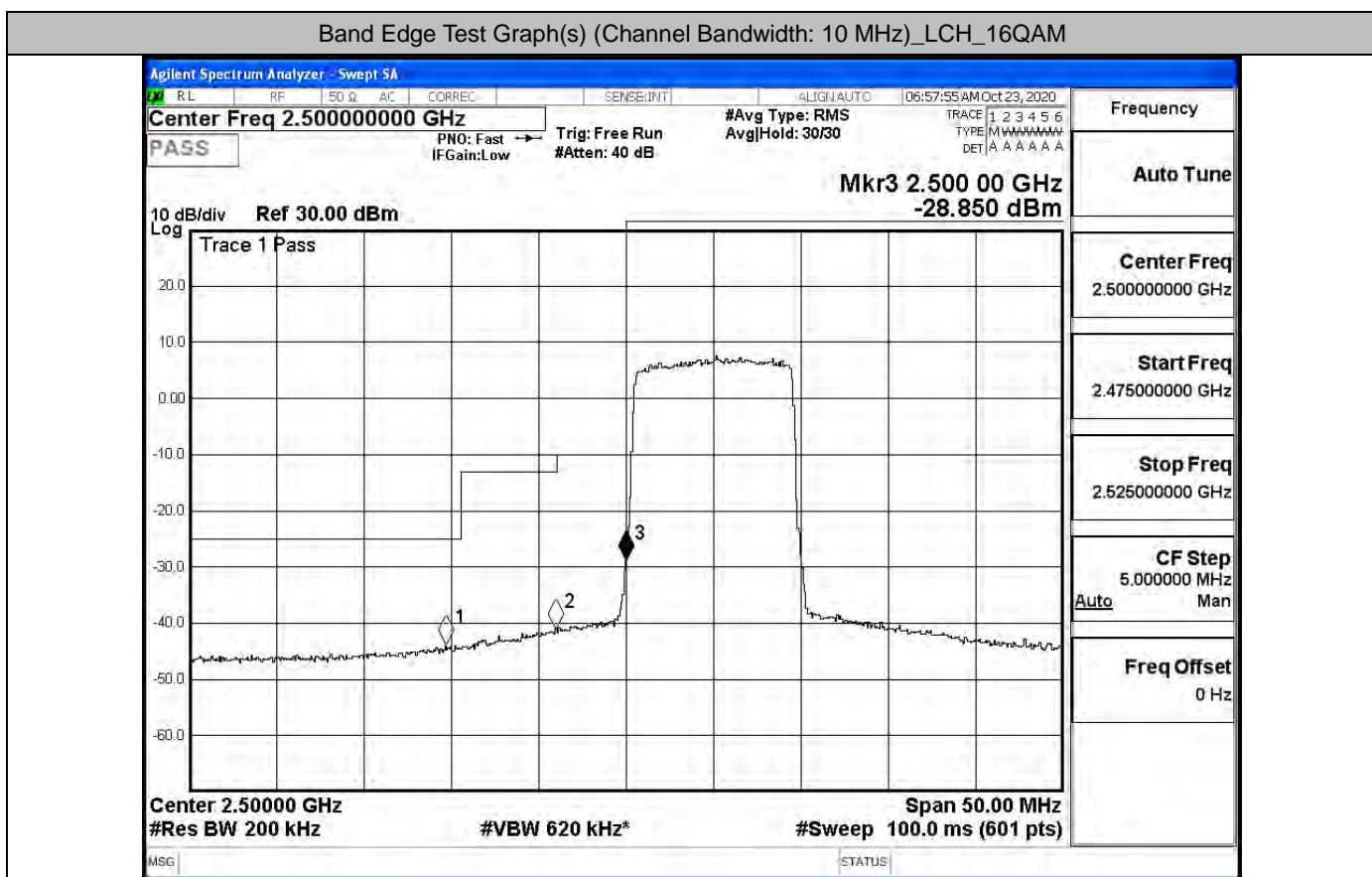
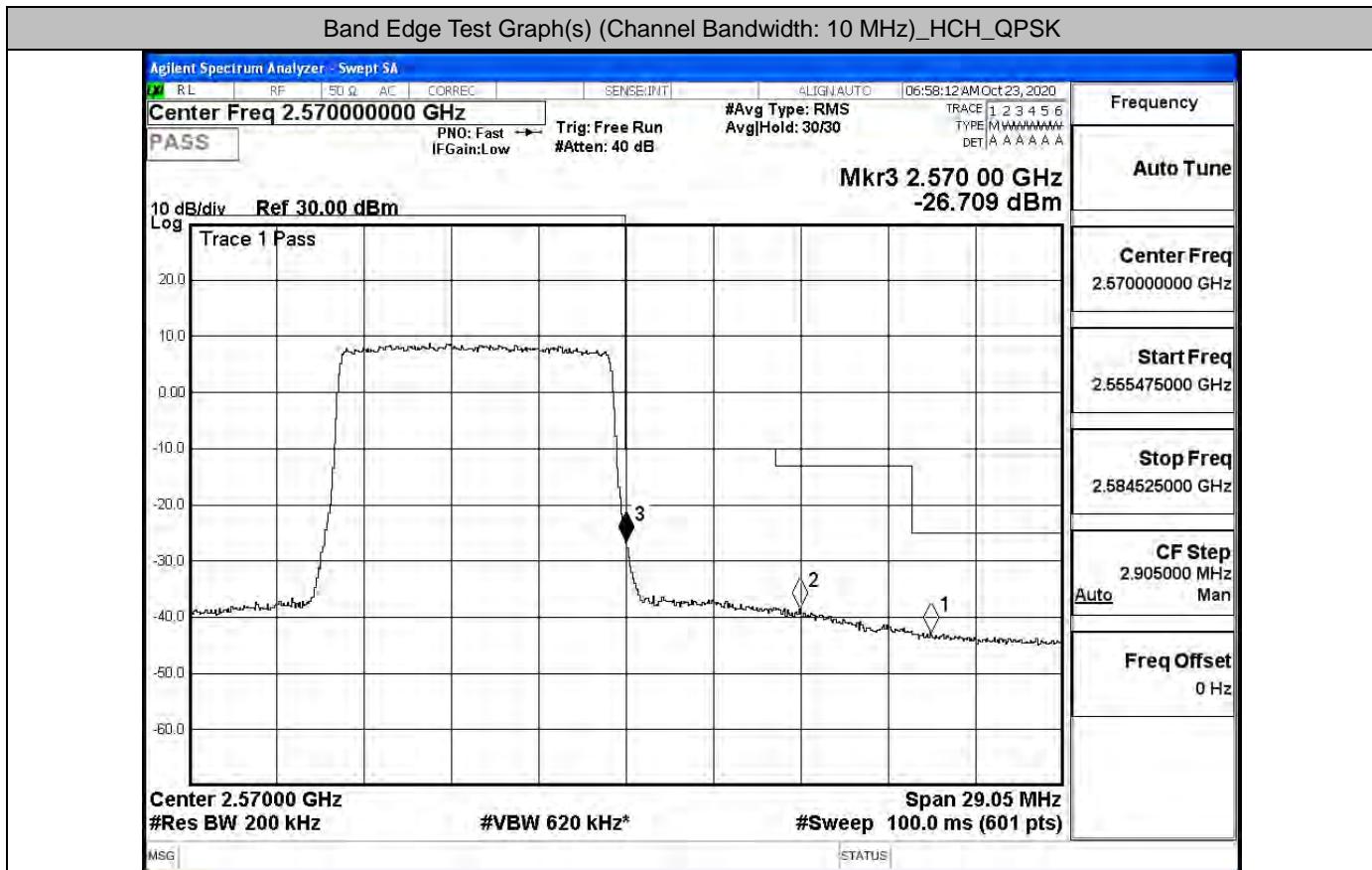


Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM

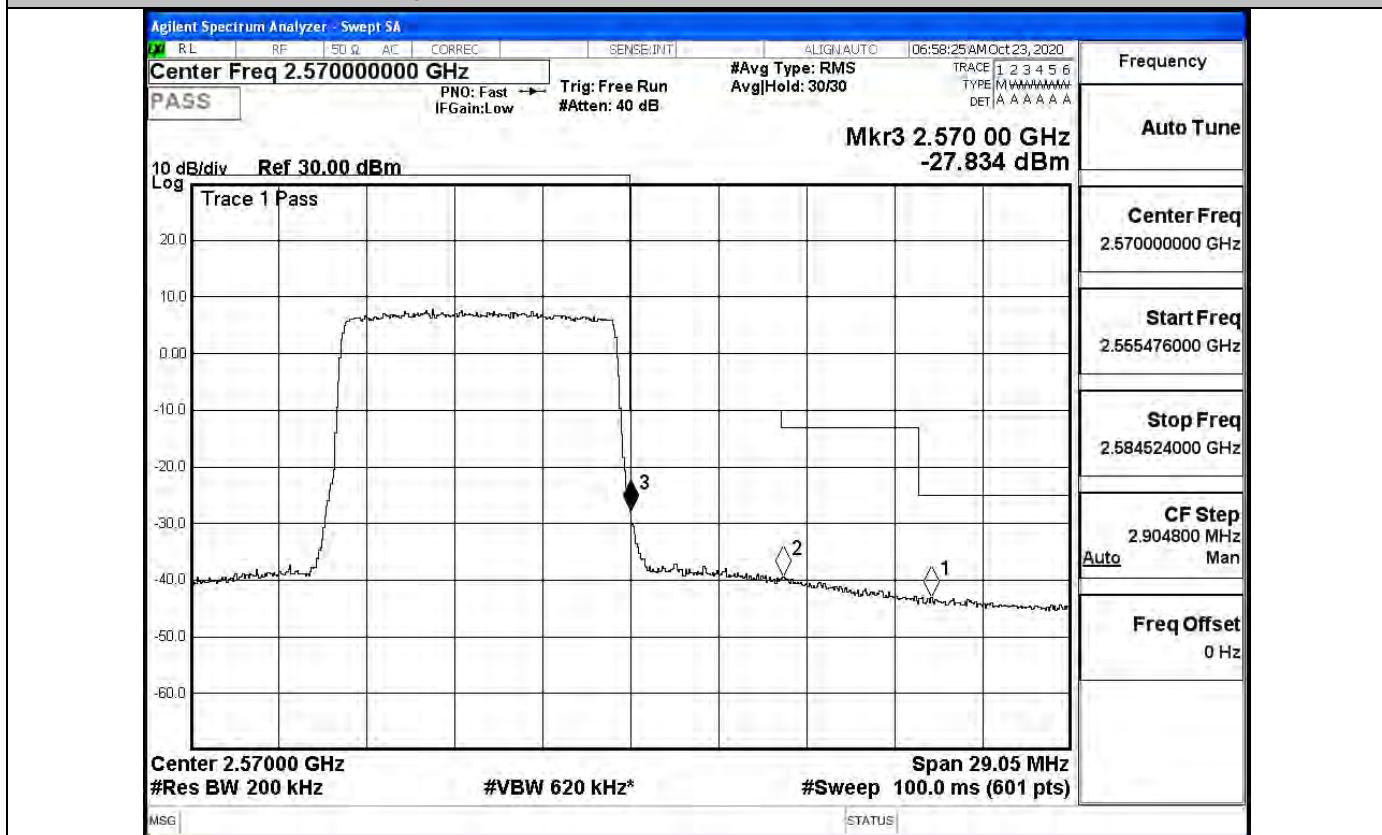


Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK

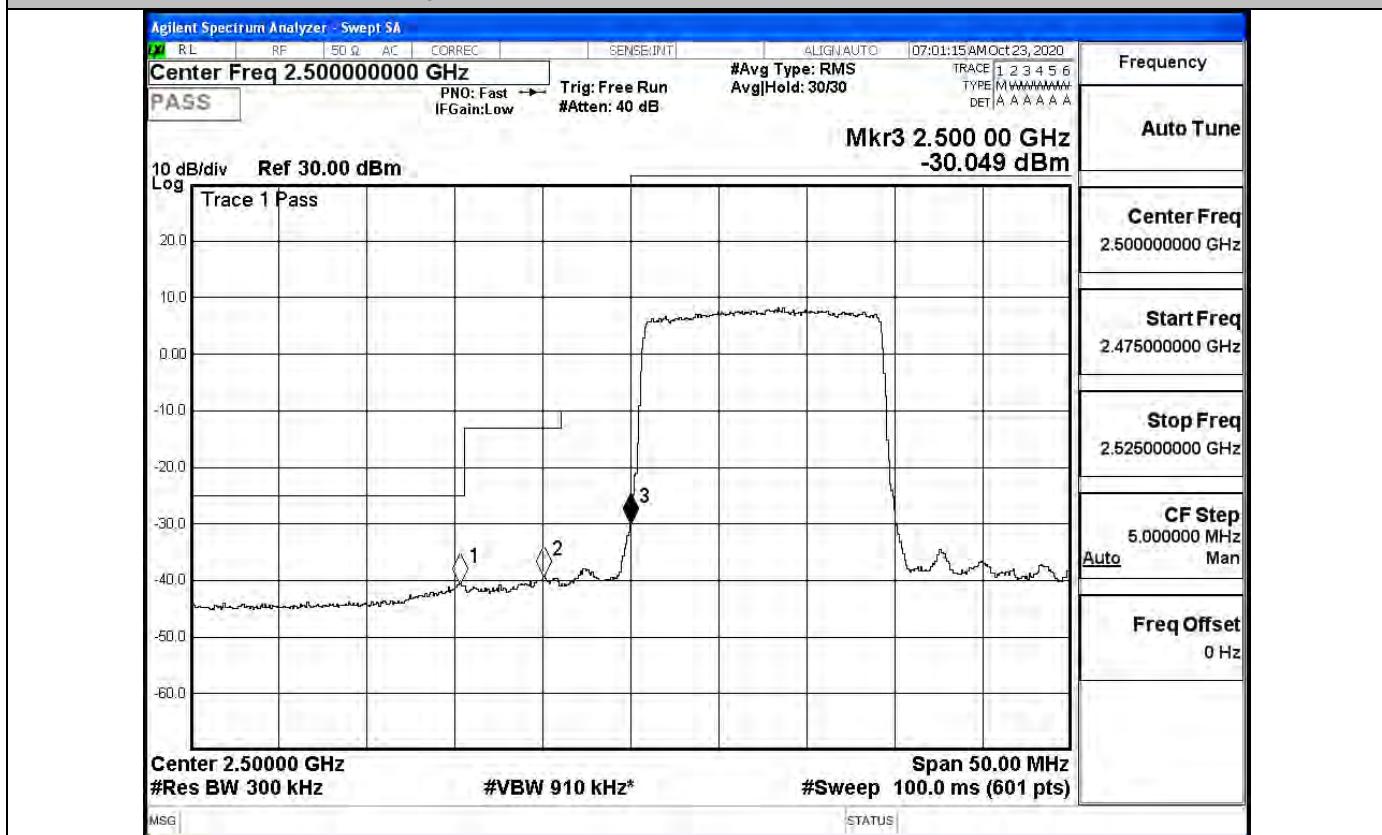


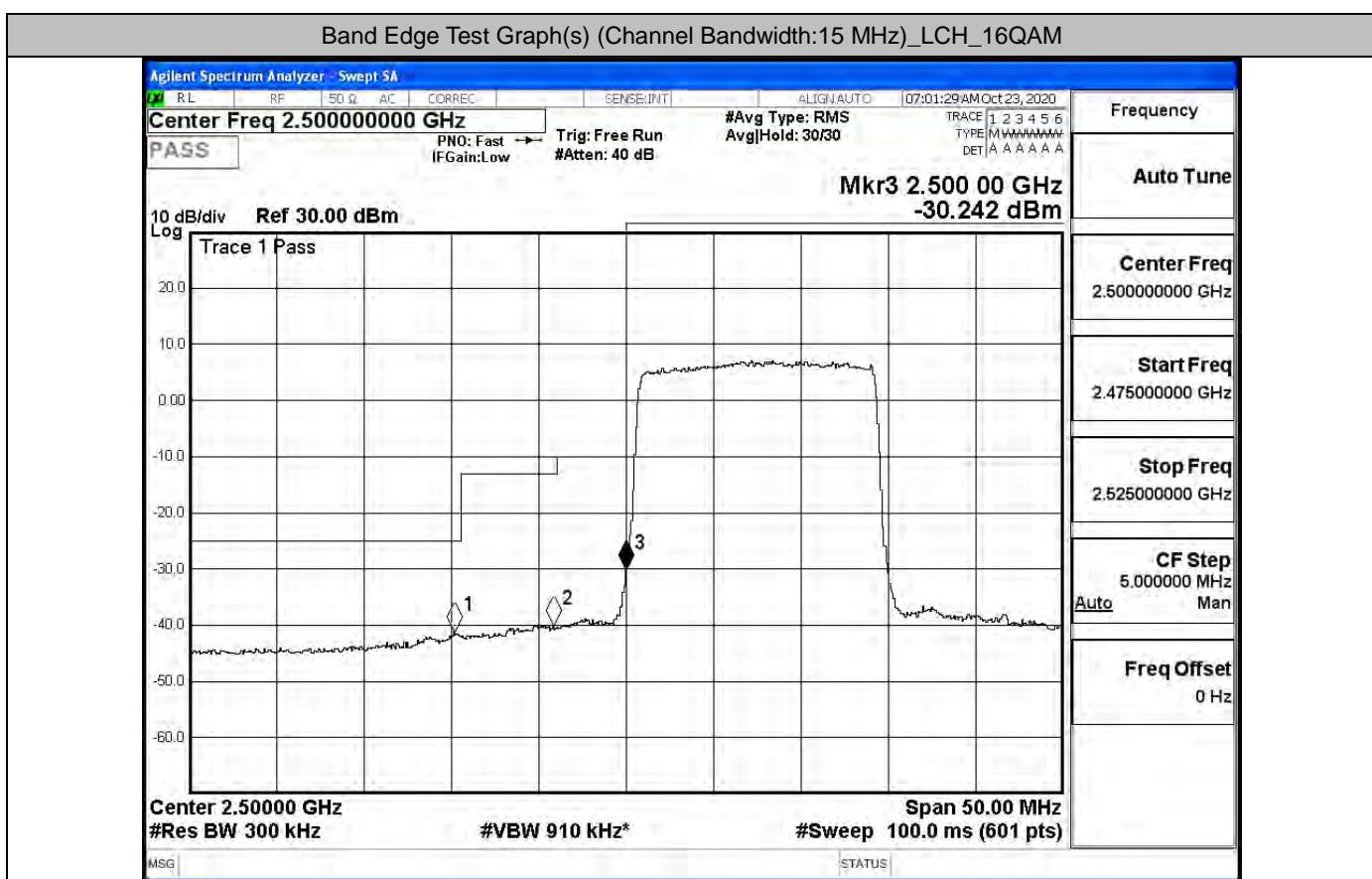
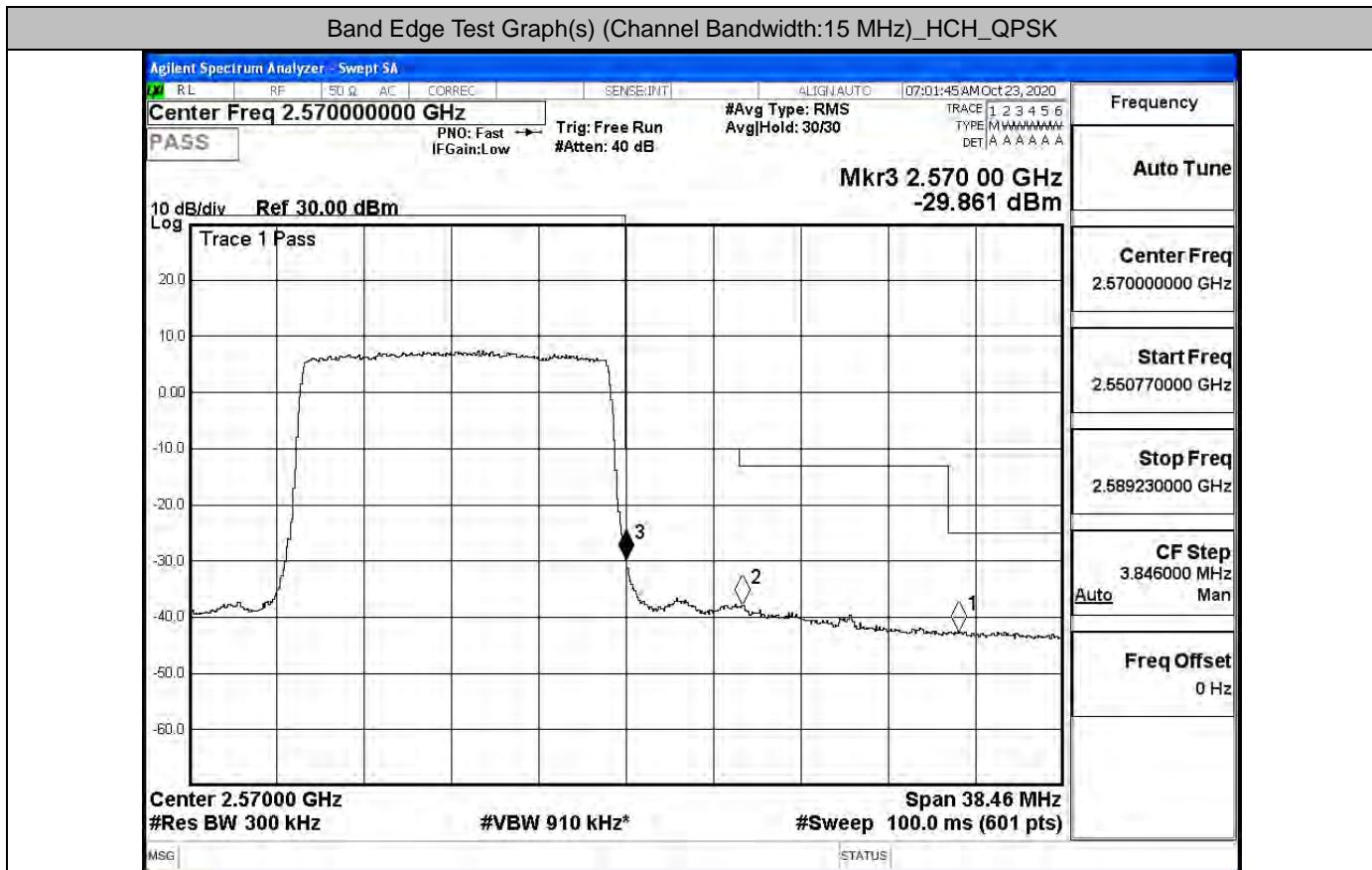


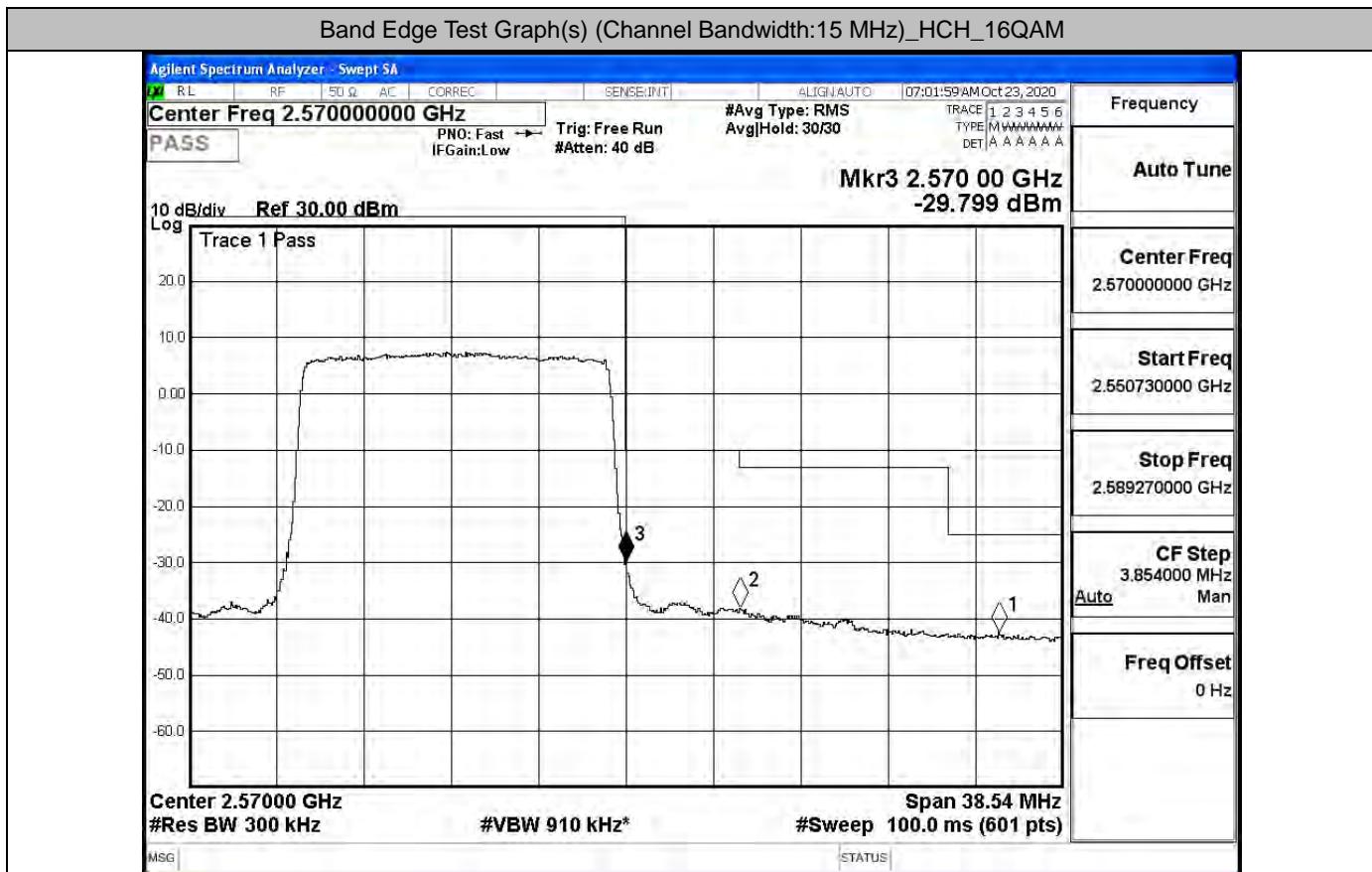
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM

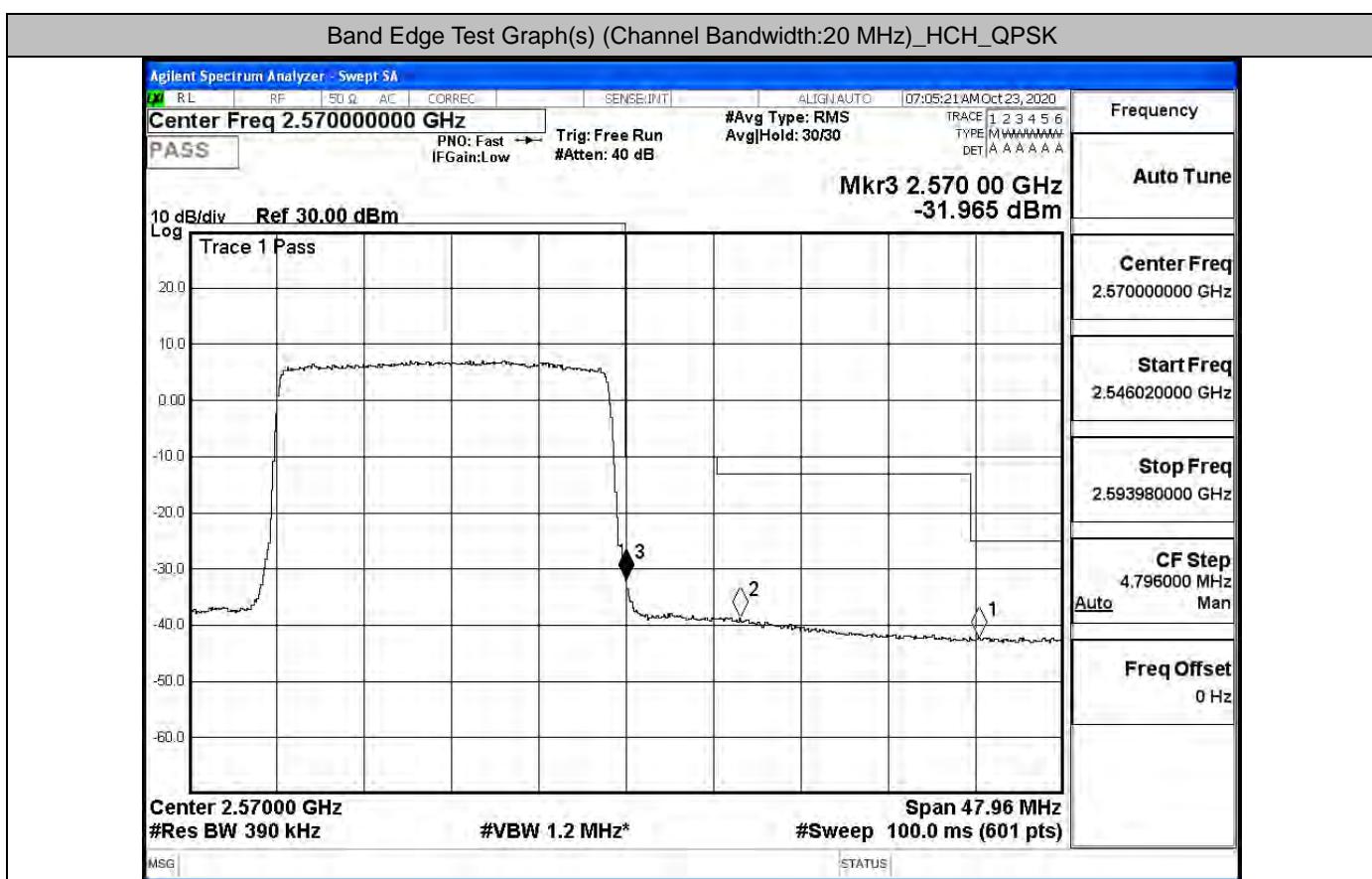
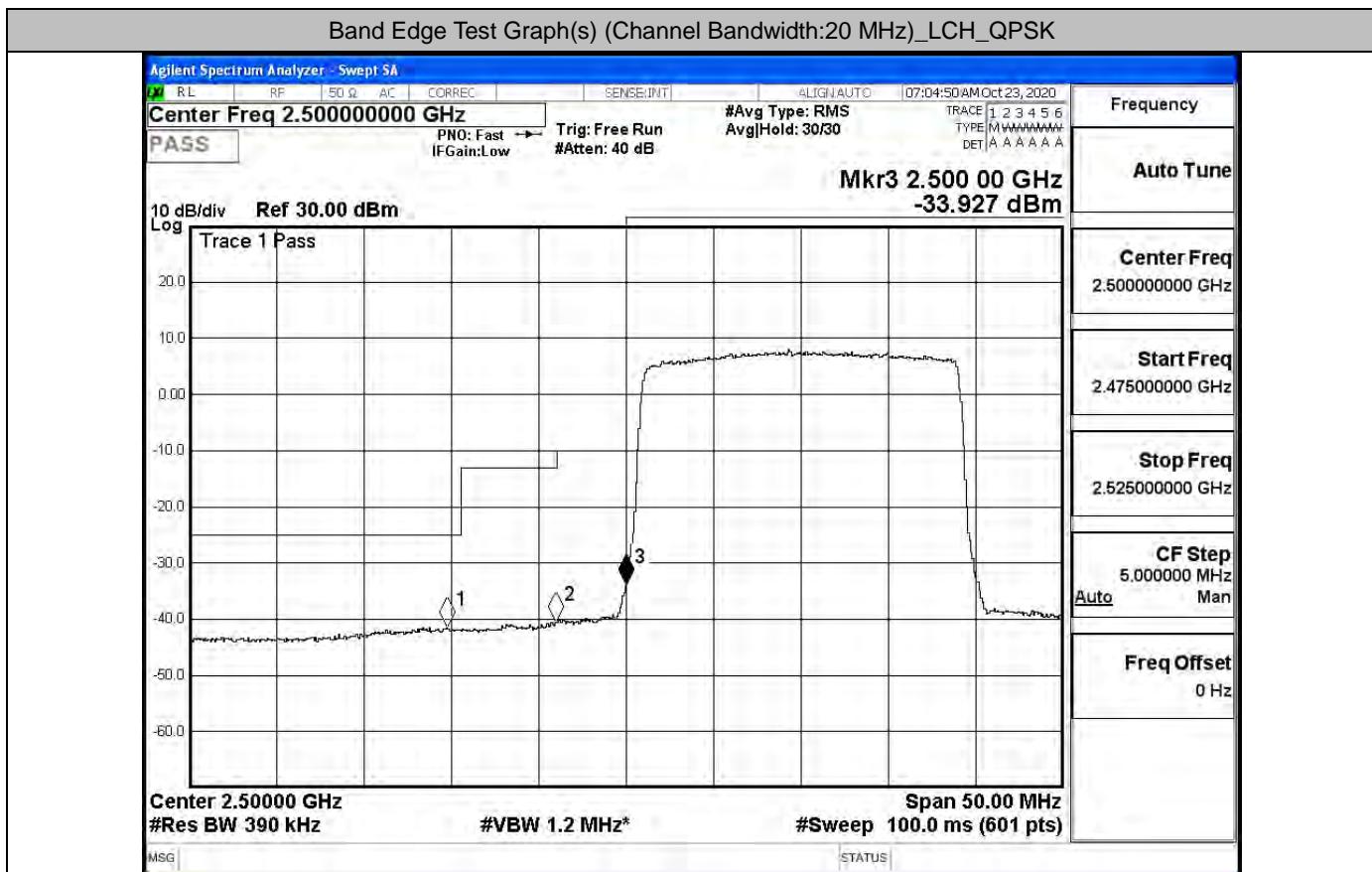


Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK

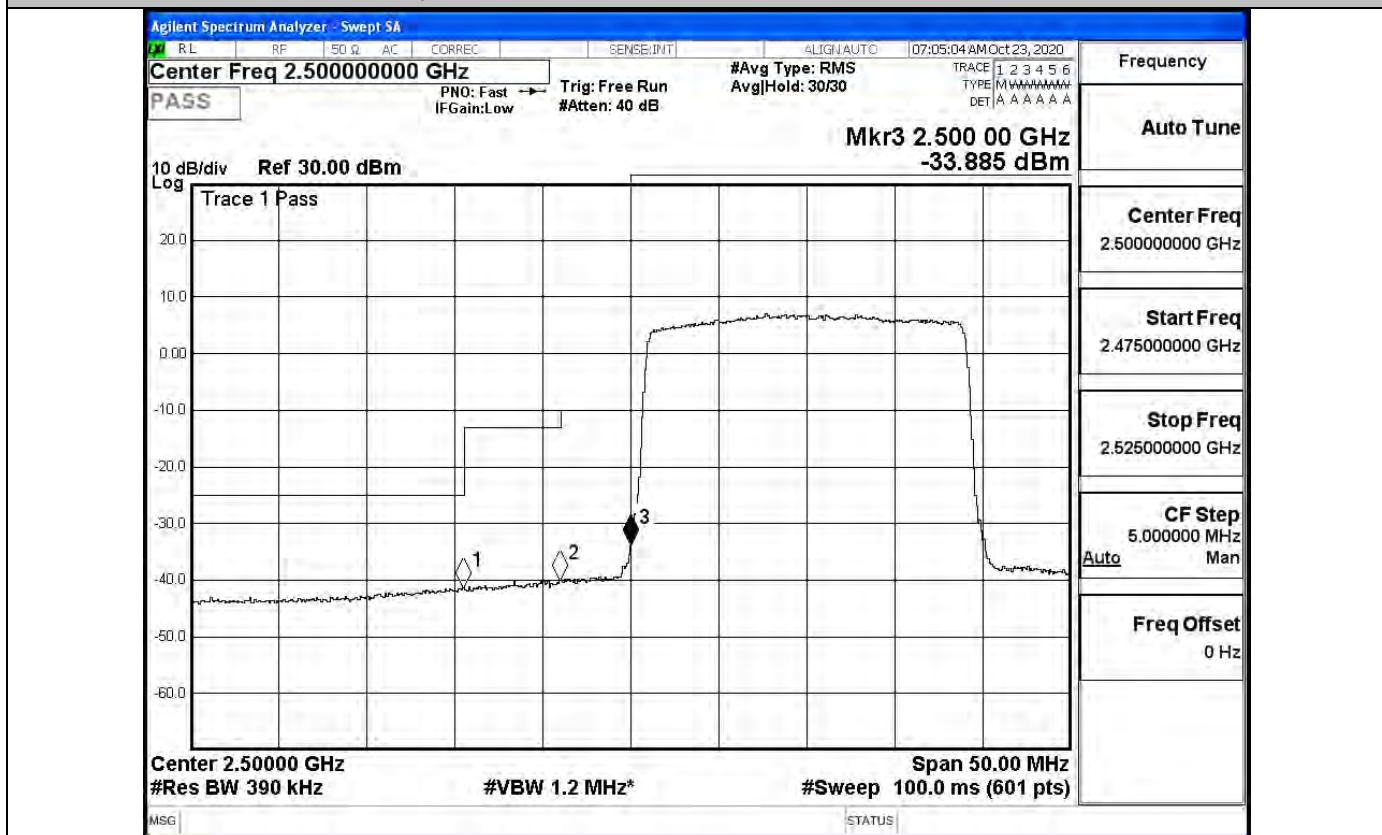


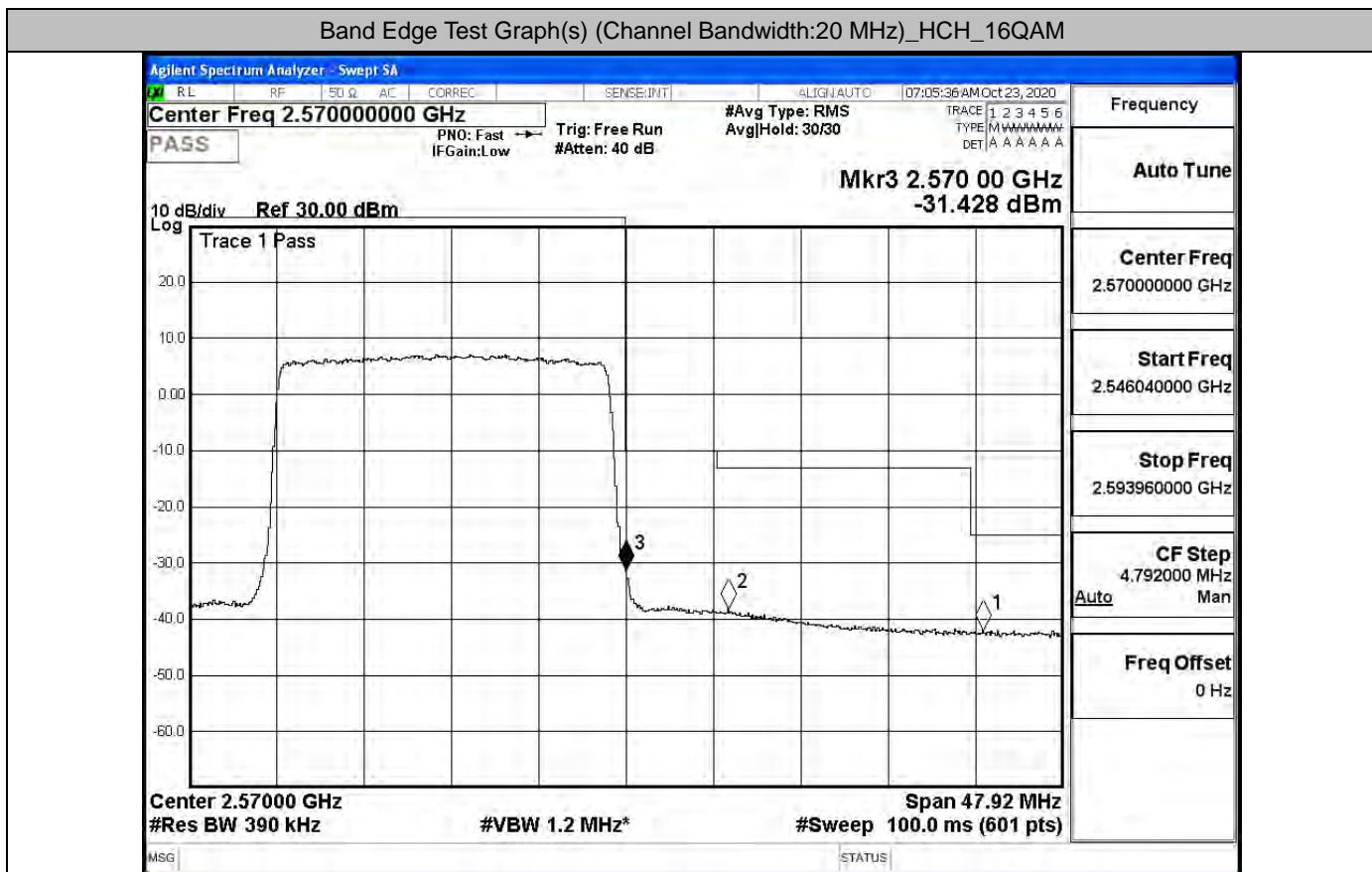






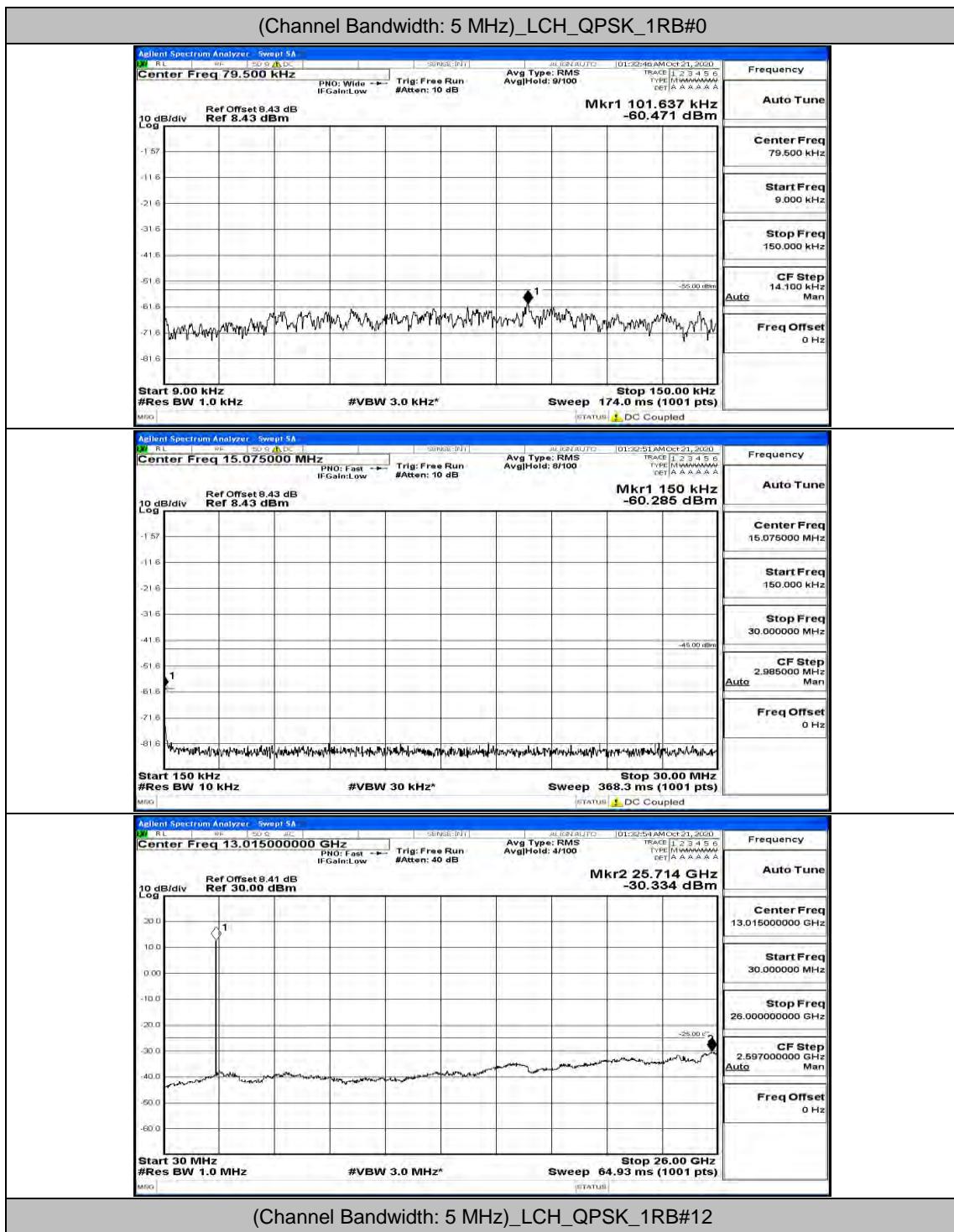
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM

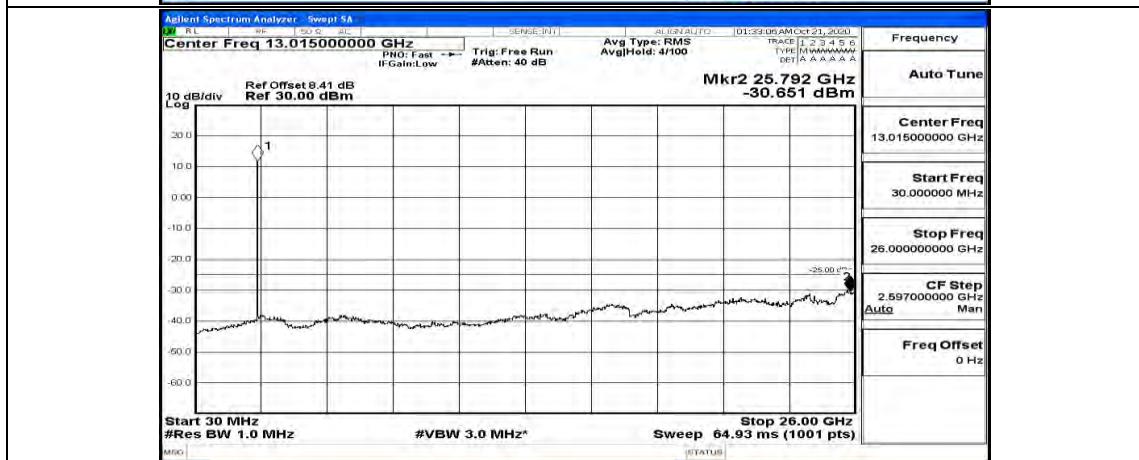
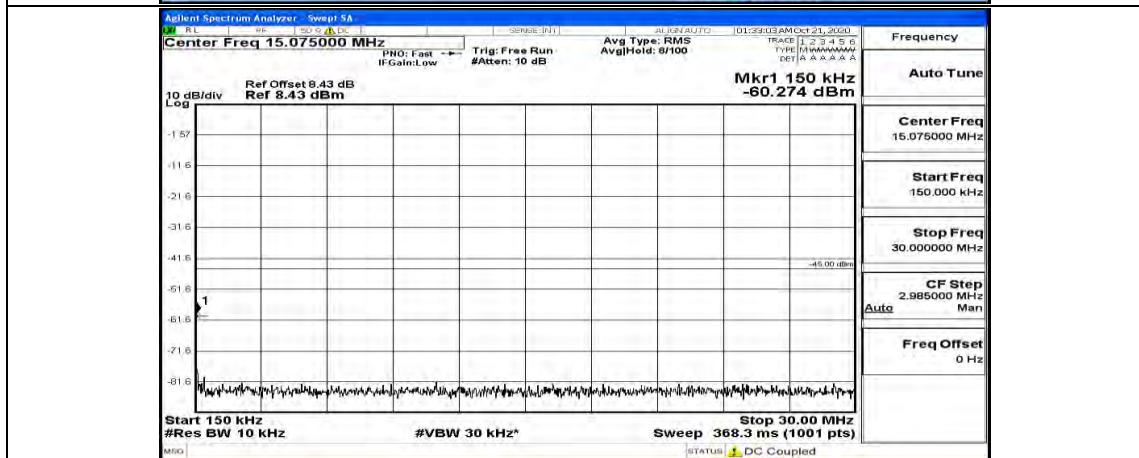
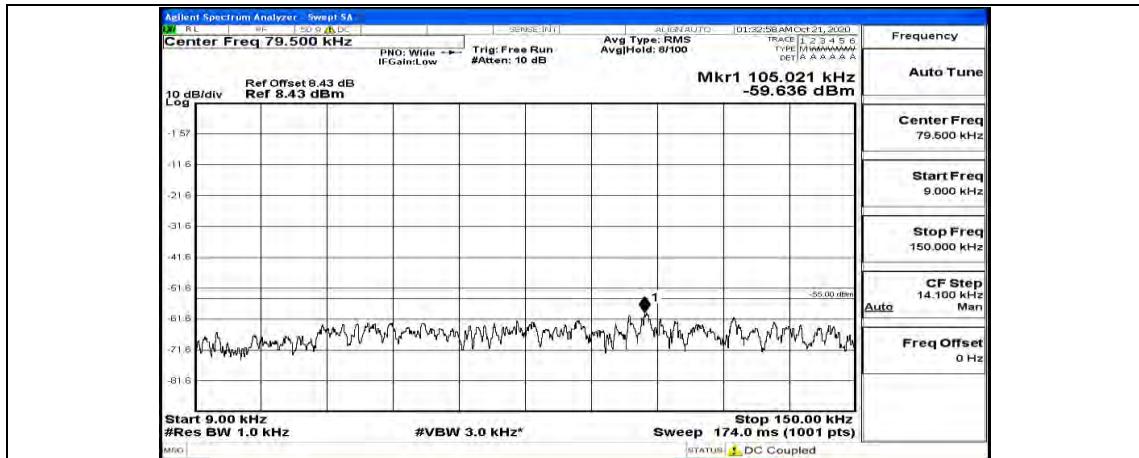




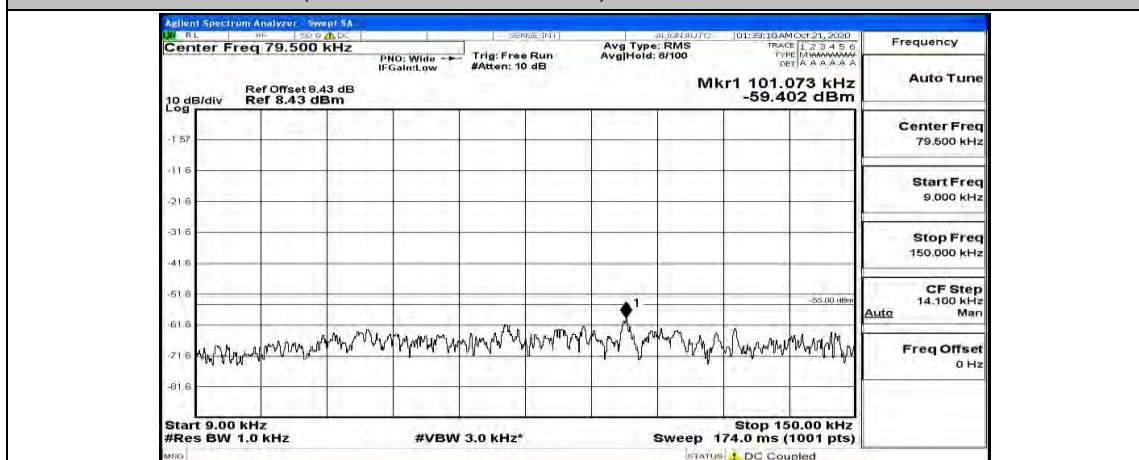
G.5 Conducted Spurious Emission

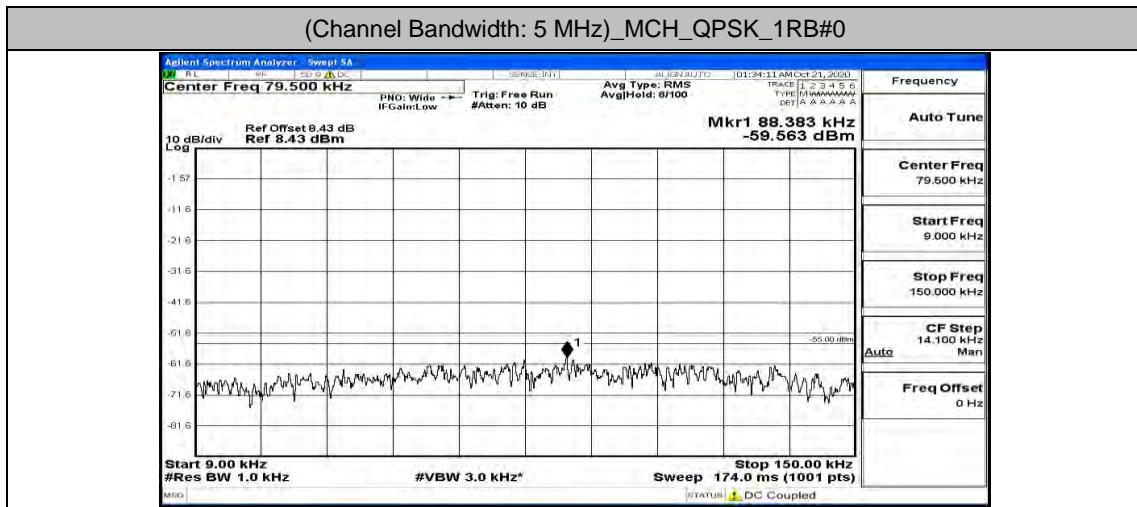
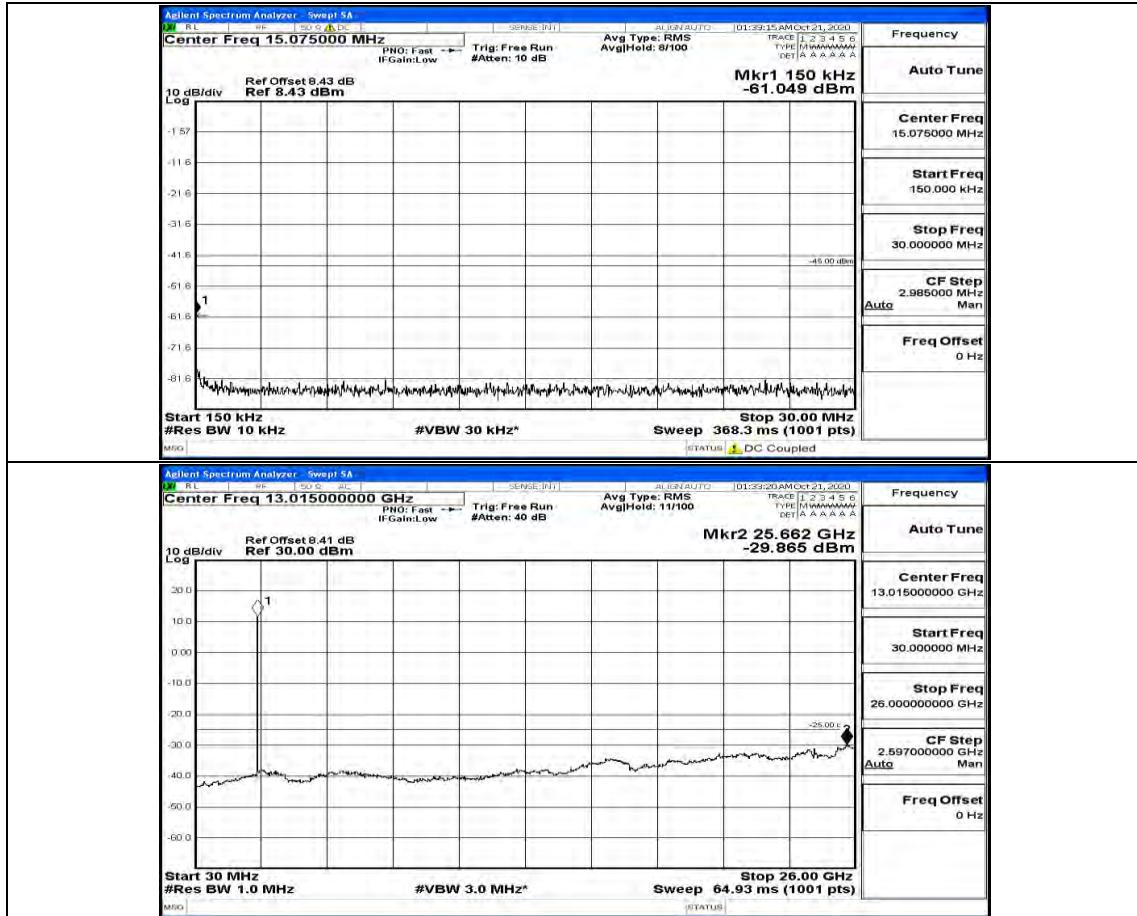
Channel Bandwidth: 5 MHz

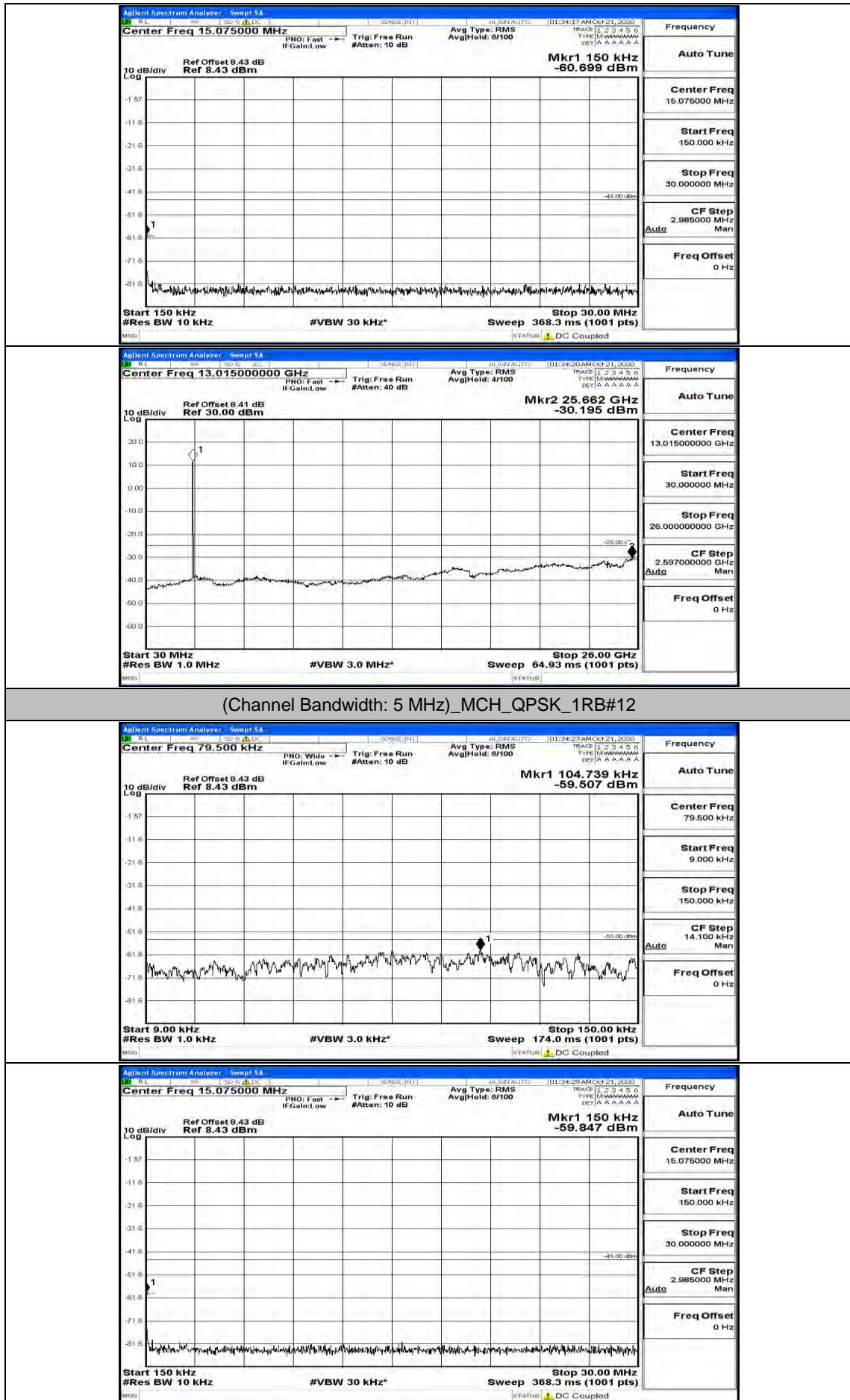


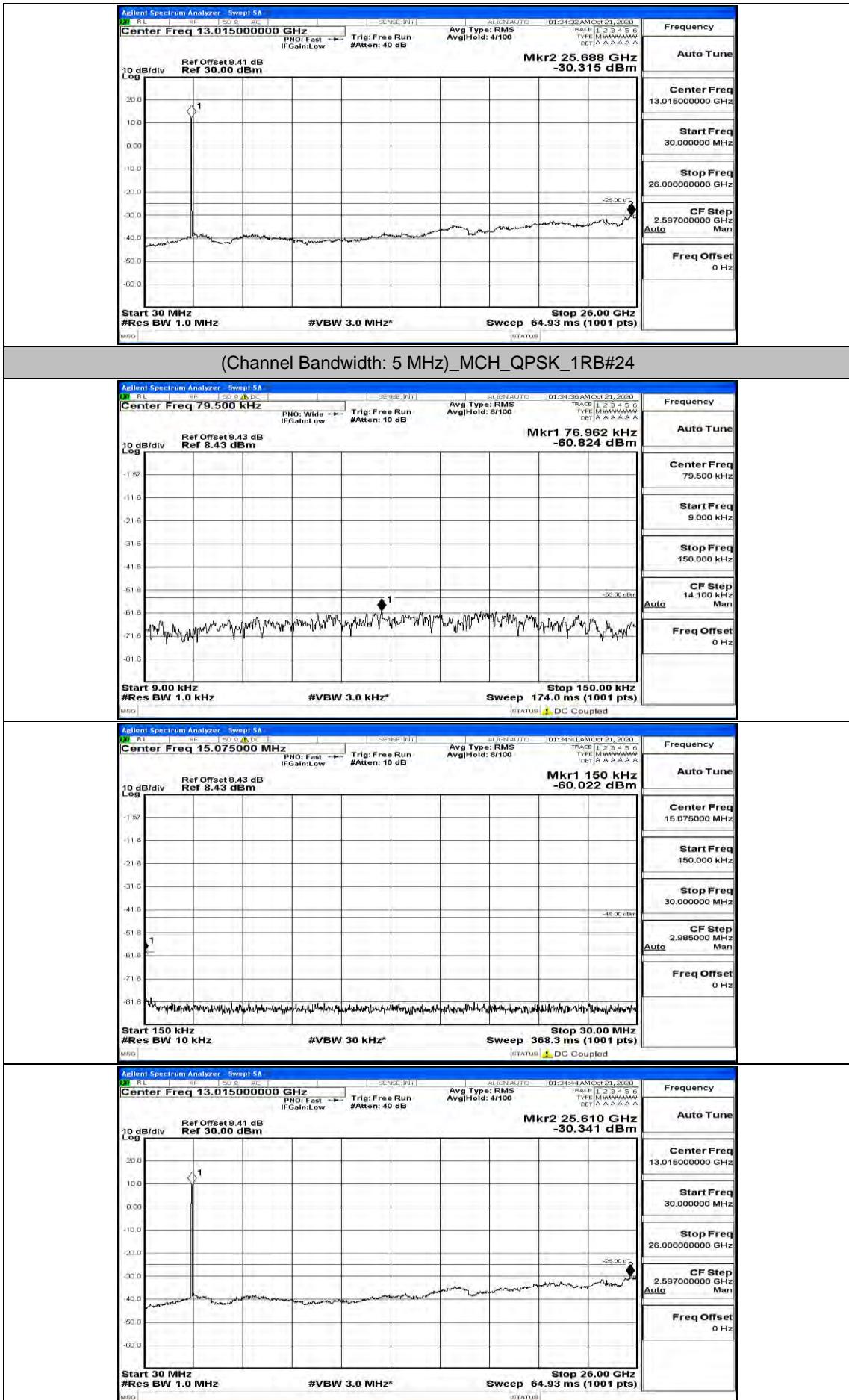


(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24

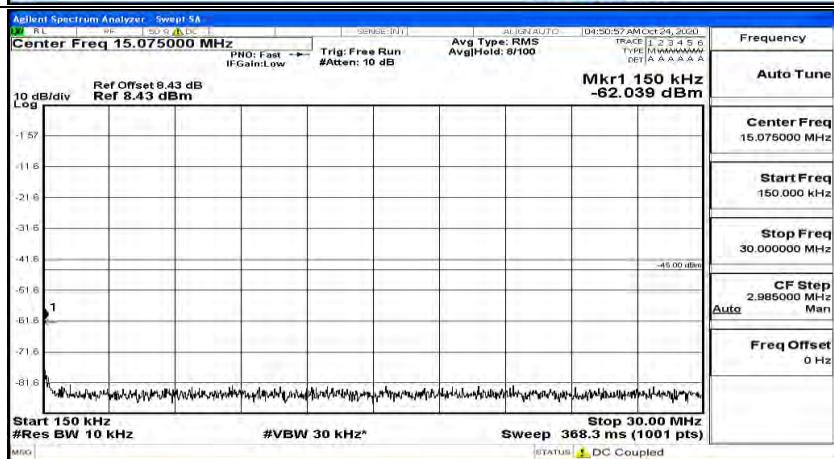
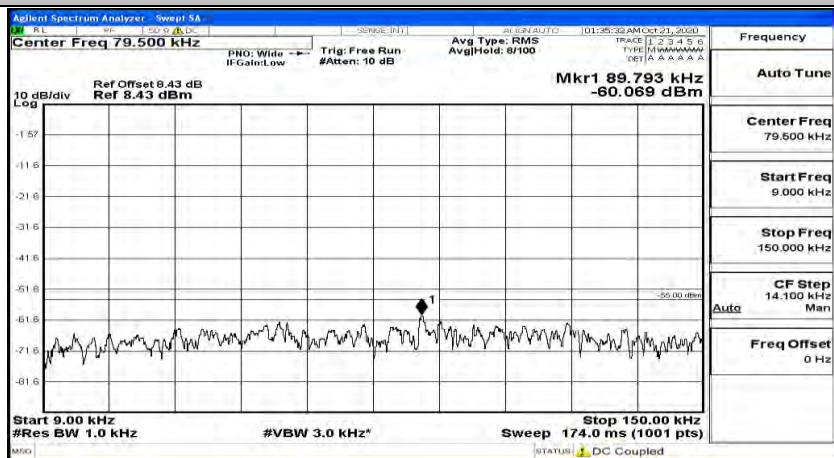




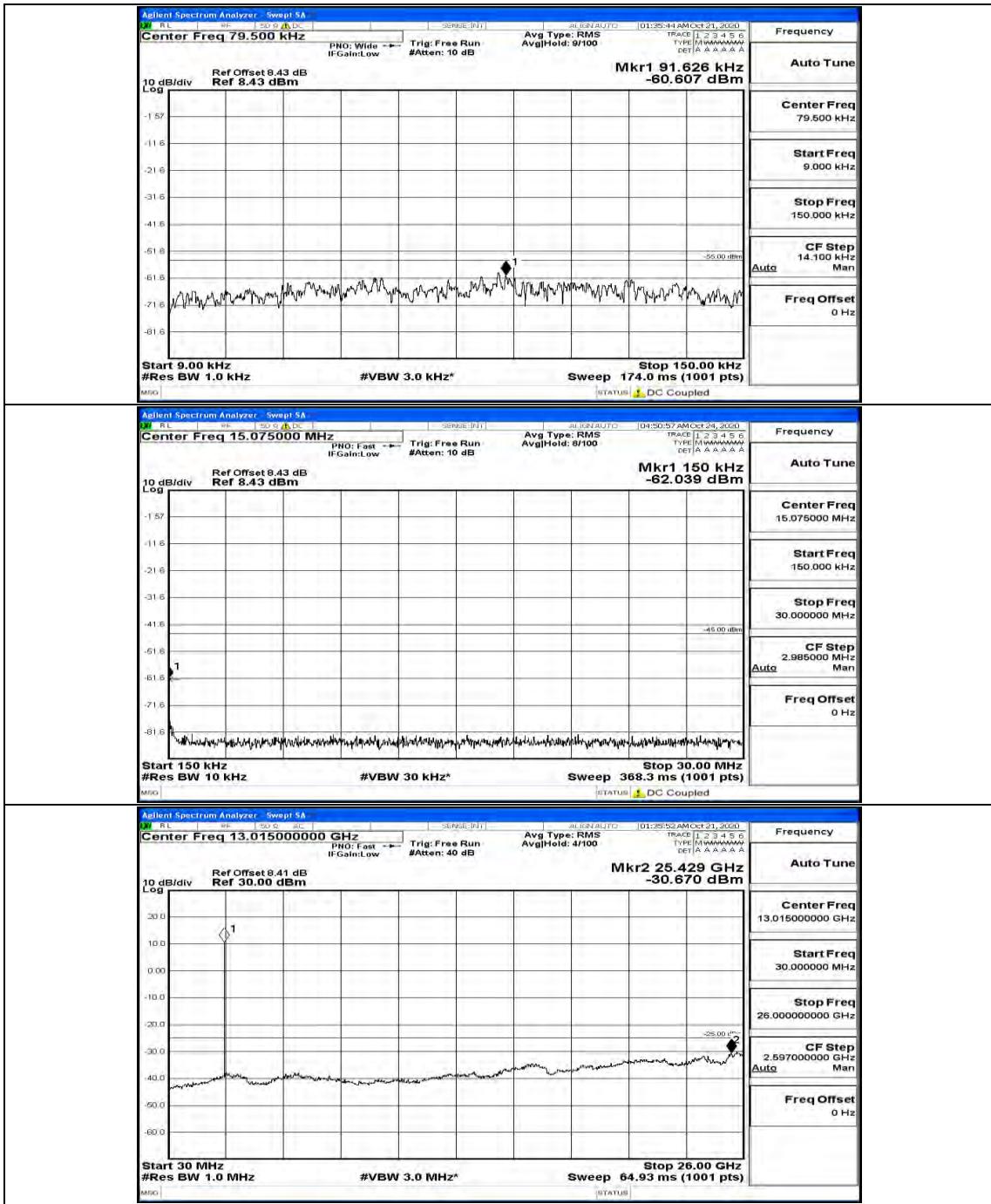




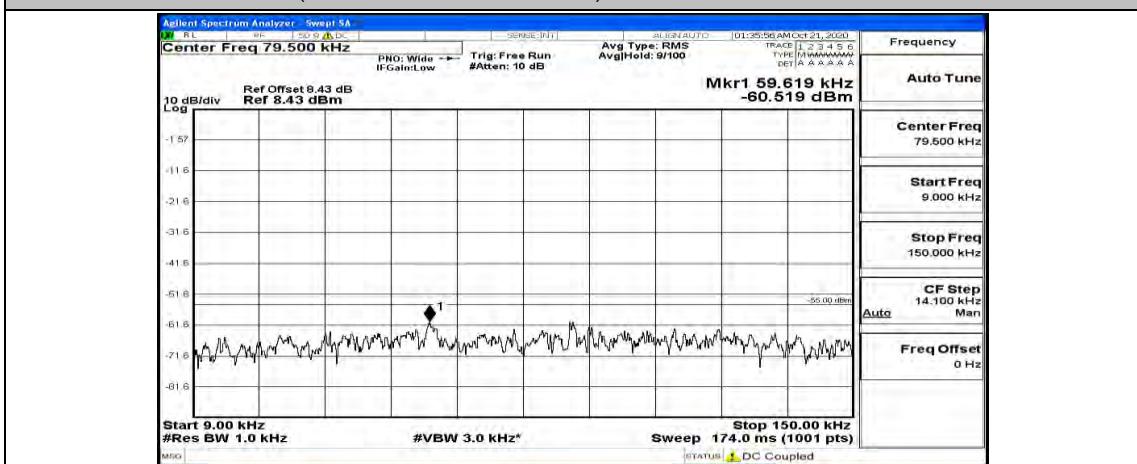
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

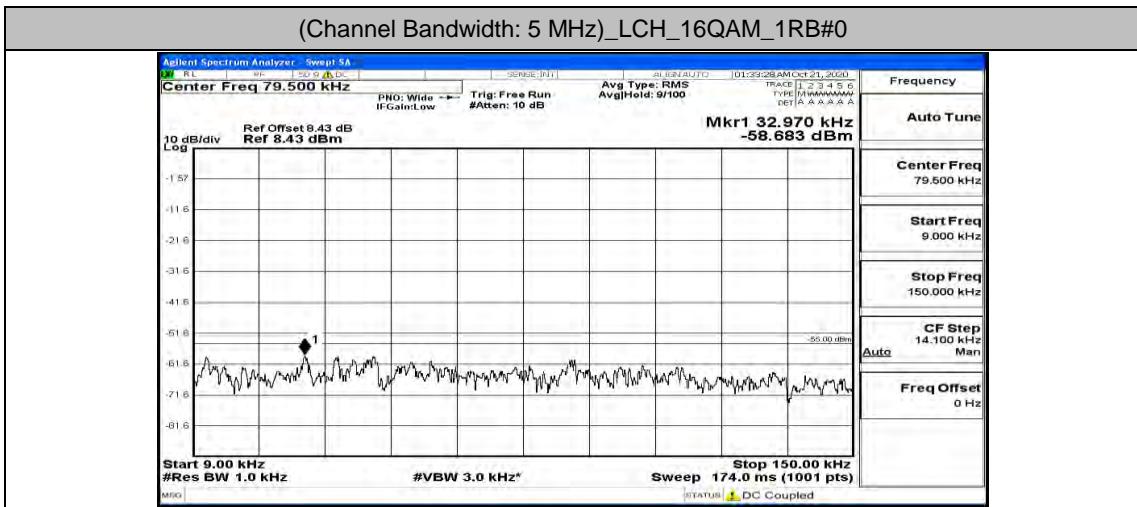
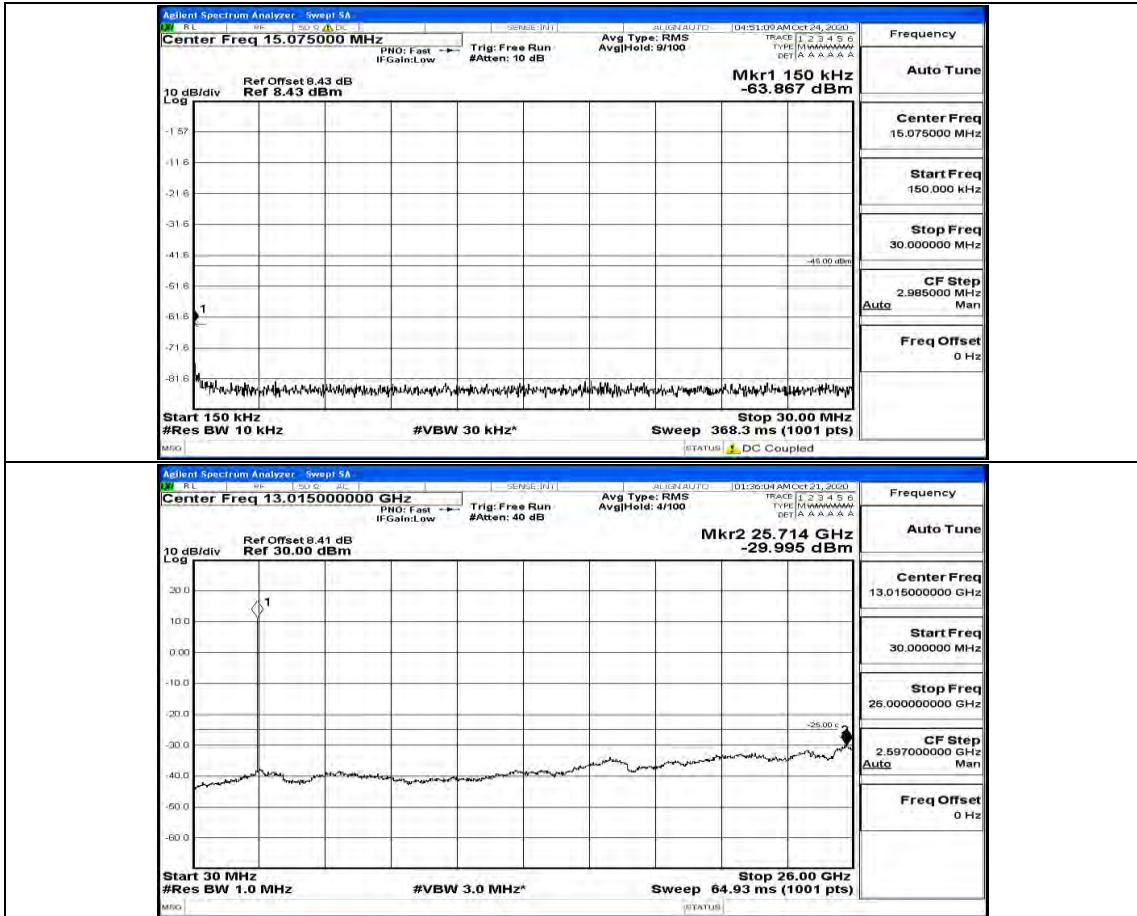


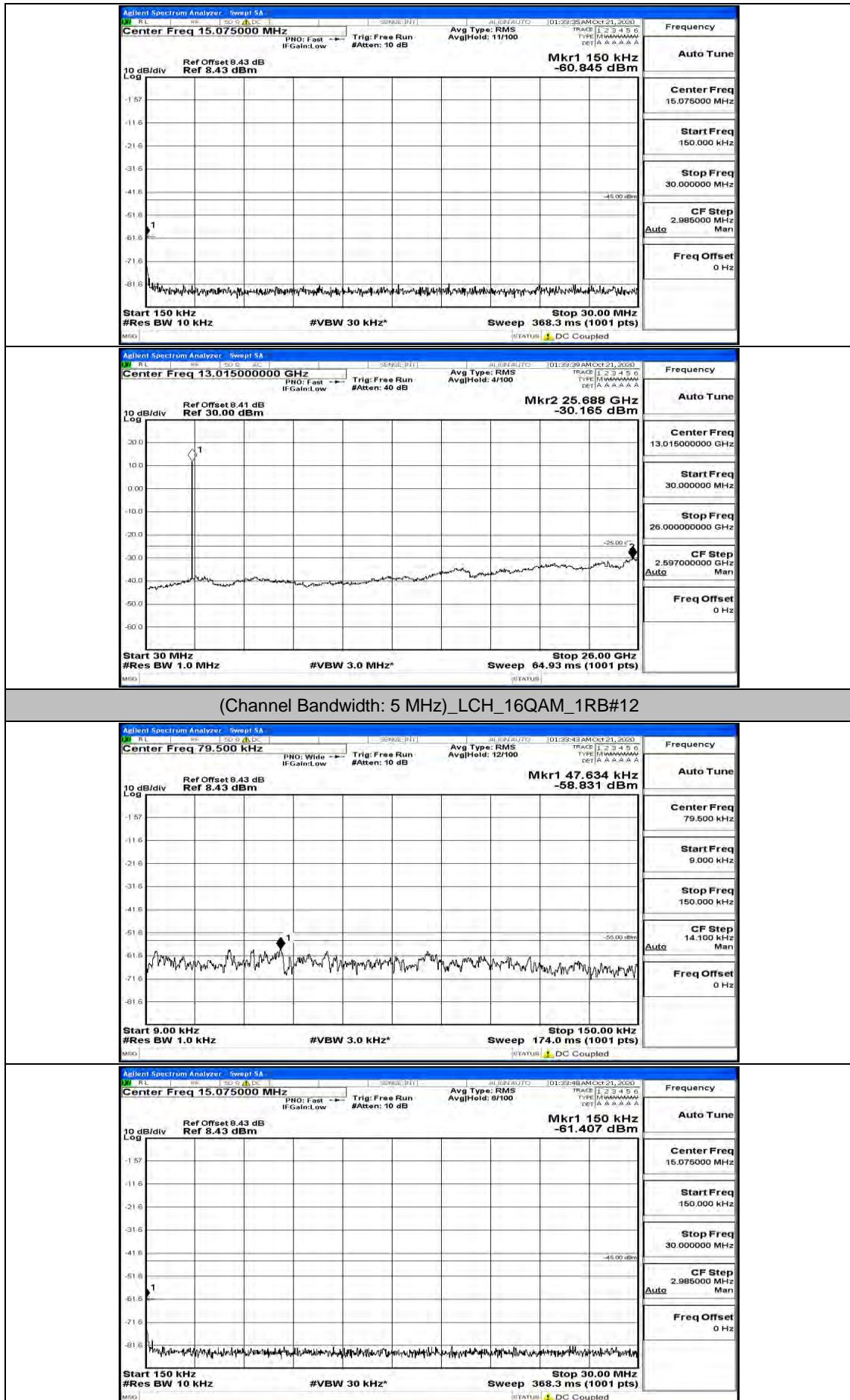
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

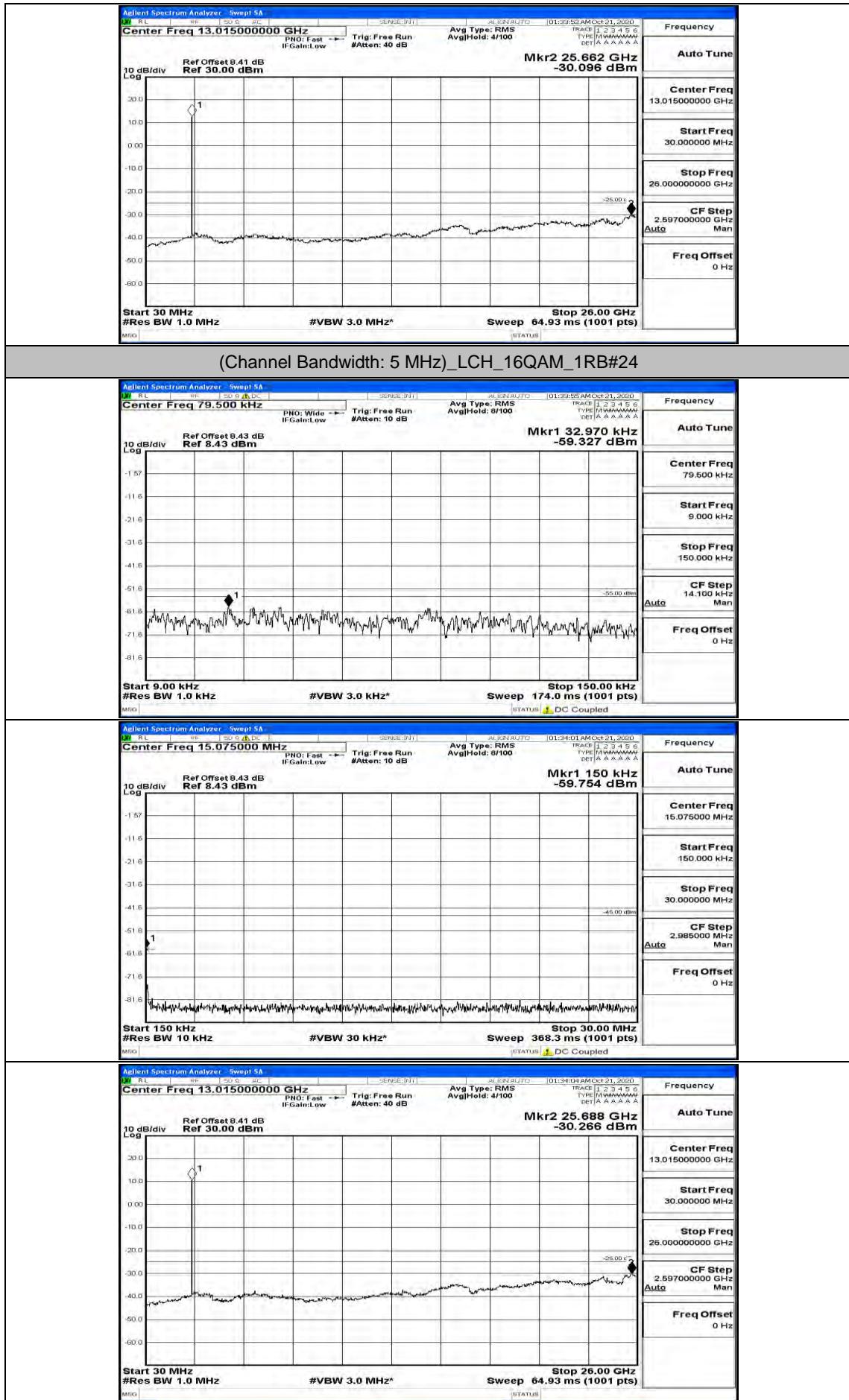


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24

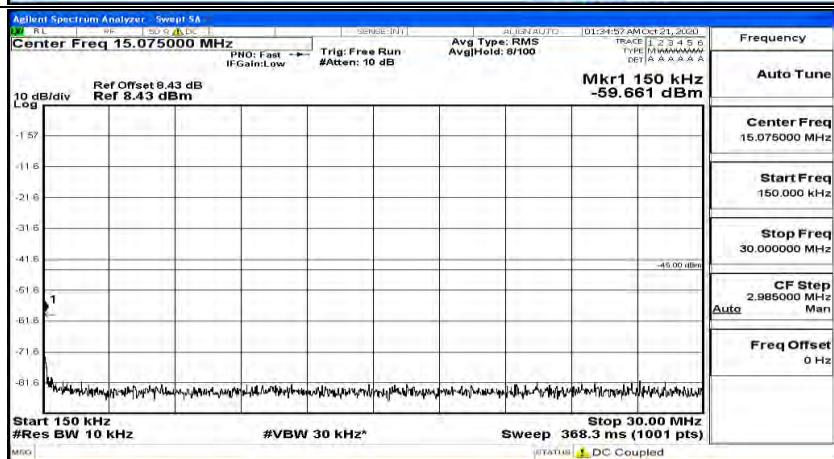
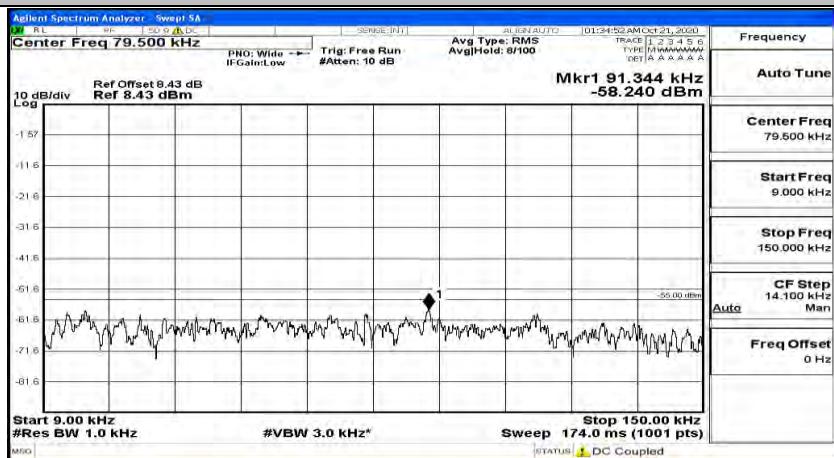








(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

