

Appendix F: Test Data for E-UTRA Band 7

Product Name: 7 inch 4G Tablet
Trade Mark: LOGIC, iSWAG, UNONU
Test Model: T4G

Environmental Conditions

Temperature:	23.2°C
Relative Humidity:	54.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Li Huan

F.1 Conducted Output Power

Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	21.35	21.72	PASS
		1	12	21.63	22.01	PASS
		1	24	20.69	21.11	PASS
		12	0	21.41	21.57	PASS
		12	6	21.42	21.60	PASS
		12	13	21.06	21.24	PASS
		25	0	21.17	21.27	PASS
	MCH	1	0	22.09	22.14	PASS
		1	12	22.54	22.57	PASS
		1	24	21.54	21.64	PASS
		12	0	22.35	22.26	PASS
		12	6	22.42	22.22	PASS
		12	13	22.04	22.17	PASS
		25	0	22.20	22.15	PASS
	HCH	1	0	19.56	19.74	PASS
		1	12	20.24	20.44	PASS
		1	24	19.58	19.80	PASS
		12	0	19.90	20.00	PASS
		12	6	20.11	20.21	PASS
		12	13	19.93	20.04	PASS
		25	0	19.88	20.02	PASS

Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	21.07	21.35	PASS
		1	24	20.97	21.30	PASS
		1	49	21.08	21.35	PASS
		25	0	21.00	21.07	PASS
		25	12	20.93	21.01	PASS
		25	25	21.00	20.76	PASS
		50	0	20.96	21.03	PASS
	MCH	1	0	21.90	22.20	PASS
		1	24	22.32	22.62	PASS
		1	49	21.57	21.90	PASS
		25	0	22.25	22.08	PASS
		25	12	22.25	22.09	PASS
		25	25	22.00	21.94	PASS
		50	0	22.10	22.16	PASS
	HCH	1	0	21.11	19.55	PASS
		1	24	21.95	20.39	PASS
		1	49	20.12	20.58	PASS
		25	0	21.48	19.58	PASS
		25	12	21.82	19.94	PASS
		25	25	20.09	20.20	PASS
		50	0	21.75	19.88	PASS

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	21.14	21.44	PASS
		1	37	20.77	21.09	PASS
		1	74	20.86	21.05	PASS
		37	0	20.89	20.94	PASS
		37	18	20.77	20.81	PASS
		37	38	20.98	20.52	PASS
		75	0	20.93	20.63	PASS
	MCH	1	0	21.80	22.10	PASS
		1	37	22.16	22.46	PASS
		1	74	21.00	21.34	PASS
		37	0	22.24	22.08	PASS
		37	18	22.11	22.15	PASS
		37	38	21.64	21.74	PASS
		75	0	21.95	21.91	PASS
	HCH	1	0	20.72	20.04	PASS
		1	37	21.61	19.99	PASS
		1	74	21.90	20.29	PASS
		37	0	21.58	19.68	PASS
		37	18	21.60	19.73	PASS
		37	38	21.92	20.05	PASS
		75	0	21.74	19.82	PASS

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	21.38	21.52	PASS
		1	49	21.11	21.24	PASS
		1	99	21.43	21.49	PASS
		50	0	20.77	20.83	PASS
		50	25	20.98	20.37	PASS
		50	50	21.10	20.24	PASS
		100	0	21.08	20.52	PASS
	MCH	1	0	21.62	21.76	PASS
		1	49	22.34	22.48	PASS
		1	99	21.65	21.80	PASS
		50	0	22.03	21.94	PASS
		50	25	22.08	22.01	PASS
		50	50	21.71	21.67	PASS
		100	0	21.83	21.76	PASS
	HCH	1	0	20.66	20.96	PASS
		1	49	21.54	19.93	PASS
		1	99	20.59	21.00	PASS
		50	0	21.87	19.97	PASS
		50	25	21.63	19.75	PASS
		50	50	20.02	20.15	PASS
		100	0	21.91	19.98	PASS

F.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	5.82	<13	PASS
	MCH	5.57	<13	PASS
	HCH	5.9	<13	PASS
16QAM	LCH	6.4	<13	PASS
	MCH	6.05	<13	PASS
	HCH	6.54	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.75	<13	PASS
	MCH	5.57	<13	PASS
	HCH	5.89	<13	PASS
16QAM	LCH	6.28	<13	PASS
	MCH	6.12	<13	PASS
	HCH	6.52	<13	PASS

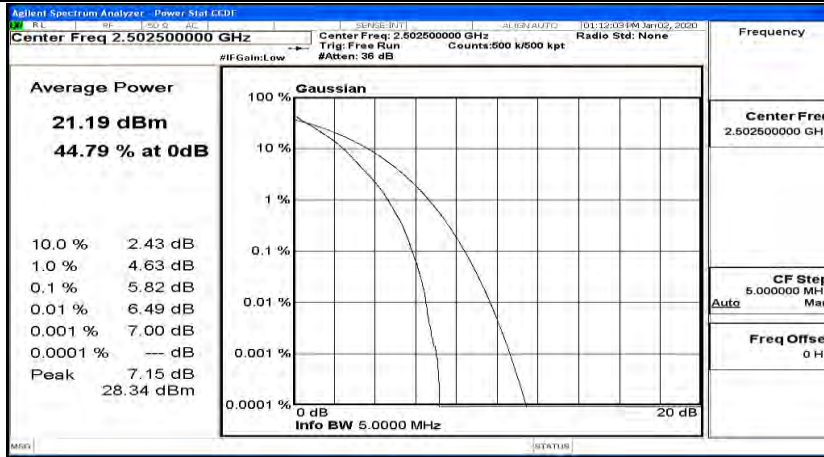
Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)

Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.03	<13	PASS
	MCH	4.94	<13	PASS
	HCH	5.04	<13	PASS
16QAM	LCH	6.27	<13	PASS
	MCH	6.27	<13	PASS
	HCH	6.35	<13	PASS

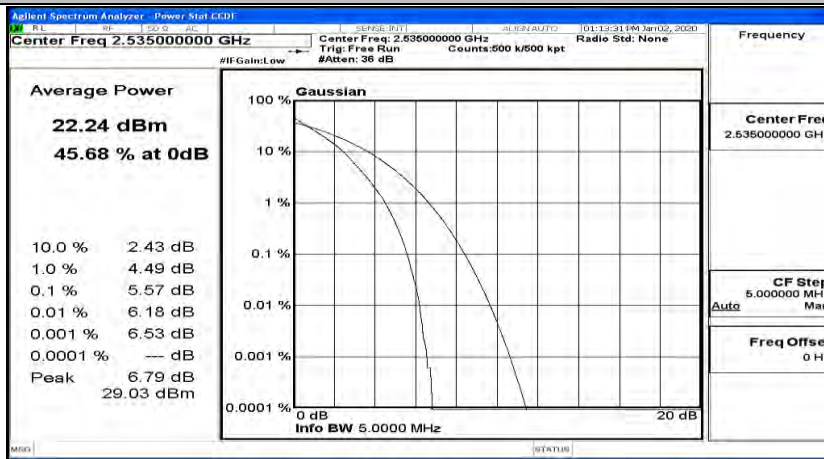
Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)

Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.69	<13	PASS
	MCH	5.63	<13	PASS
	HCH	5.79	<13	PASS
16QAM	LCH	6.77	<13	PASS
	MCH	6.85	<13	PASS
	HCH	6.79	<13	PASS

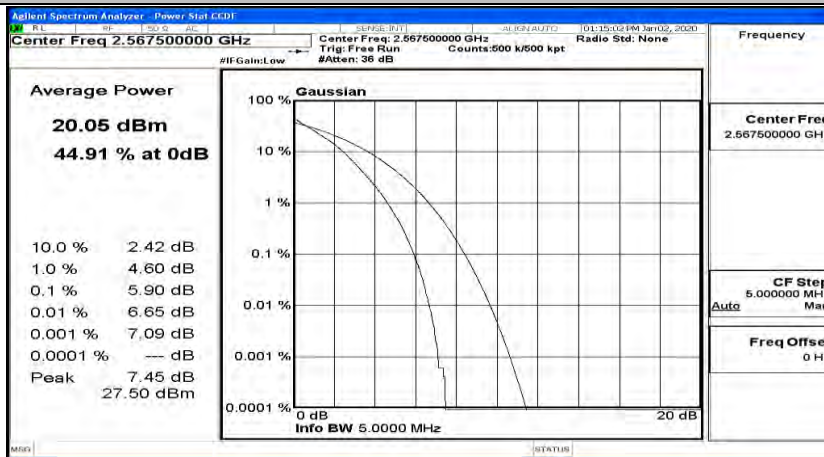
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



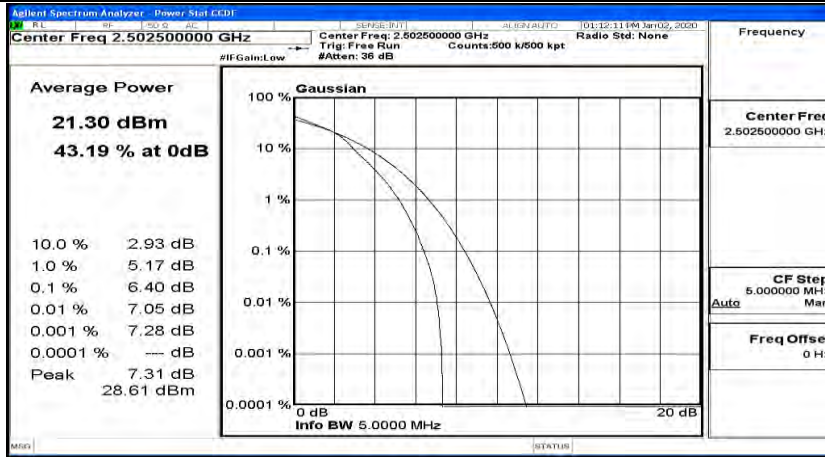
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



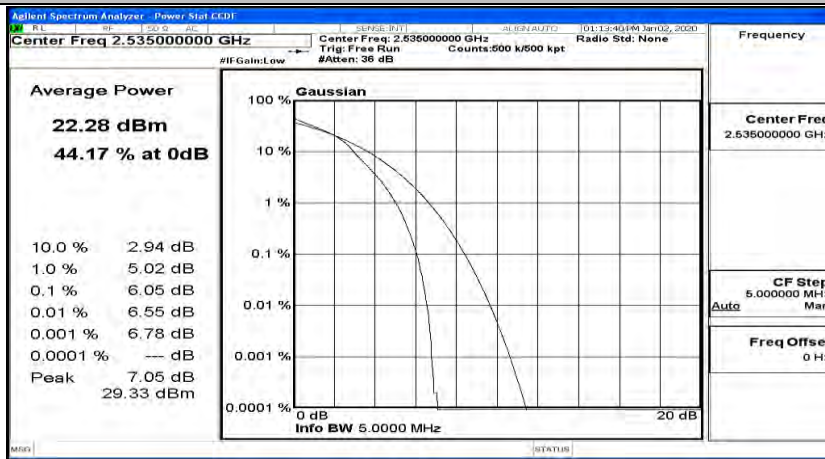
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



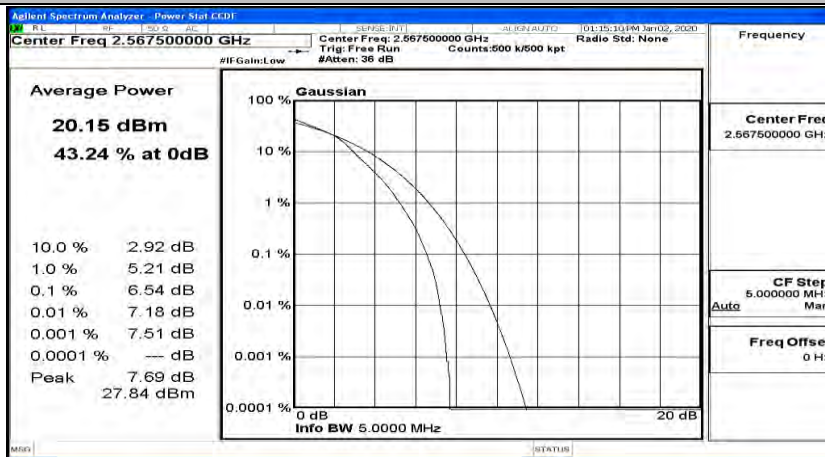
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



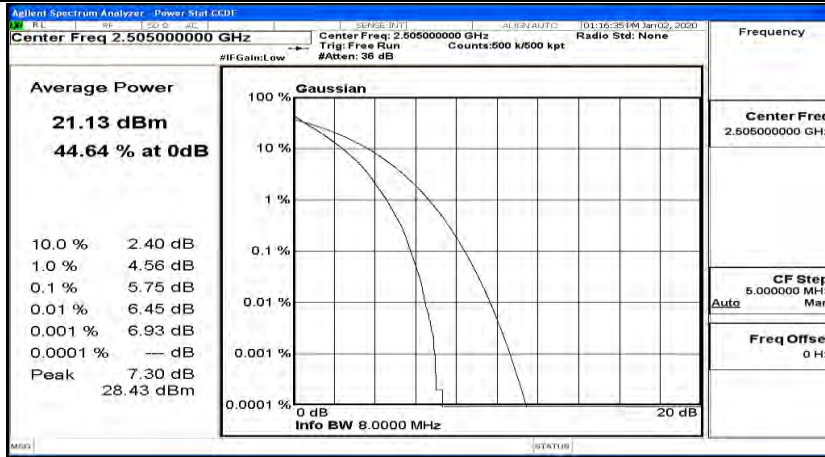
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



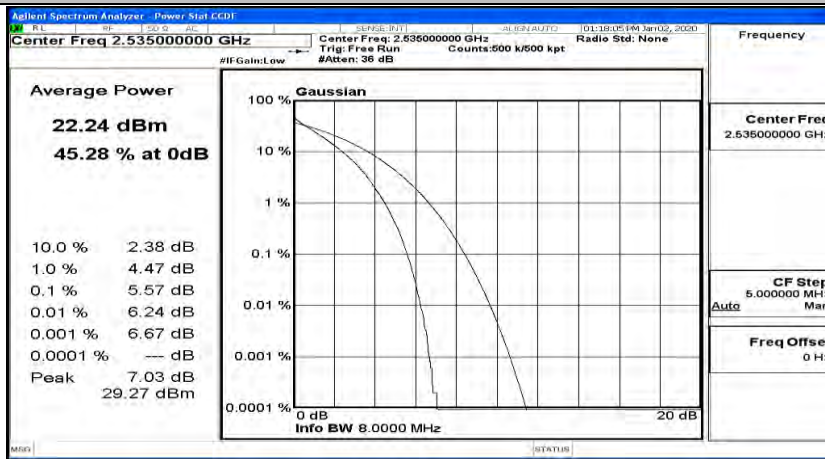
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



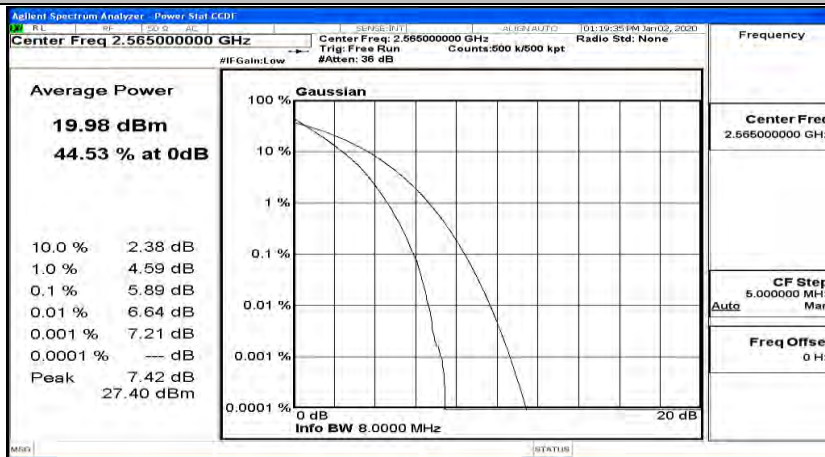
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz) _LCH_QPSK



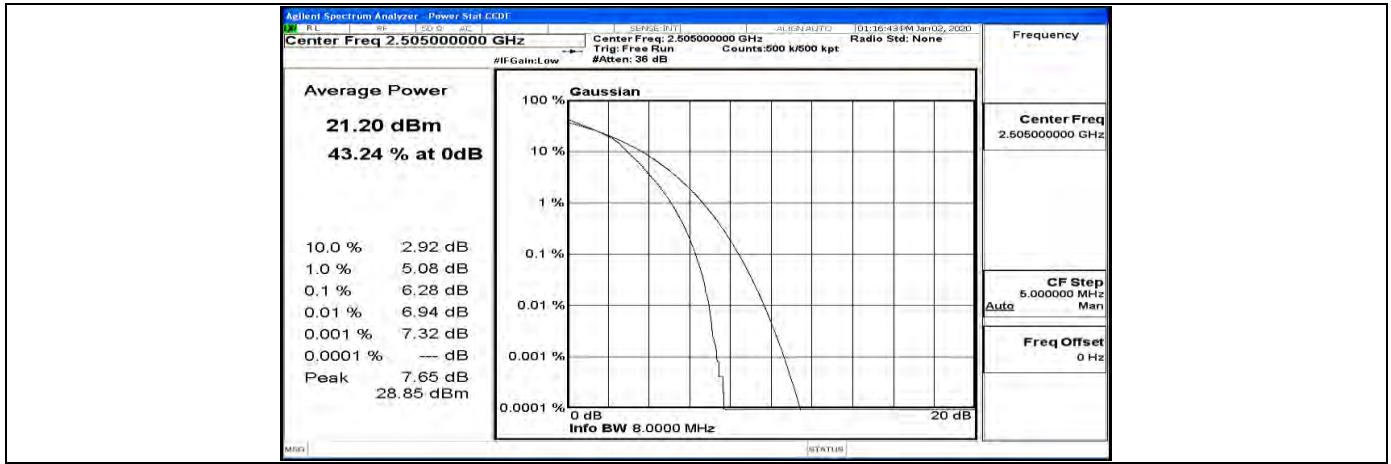
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz) _MCH_QPSK



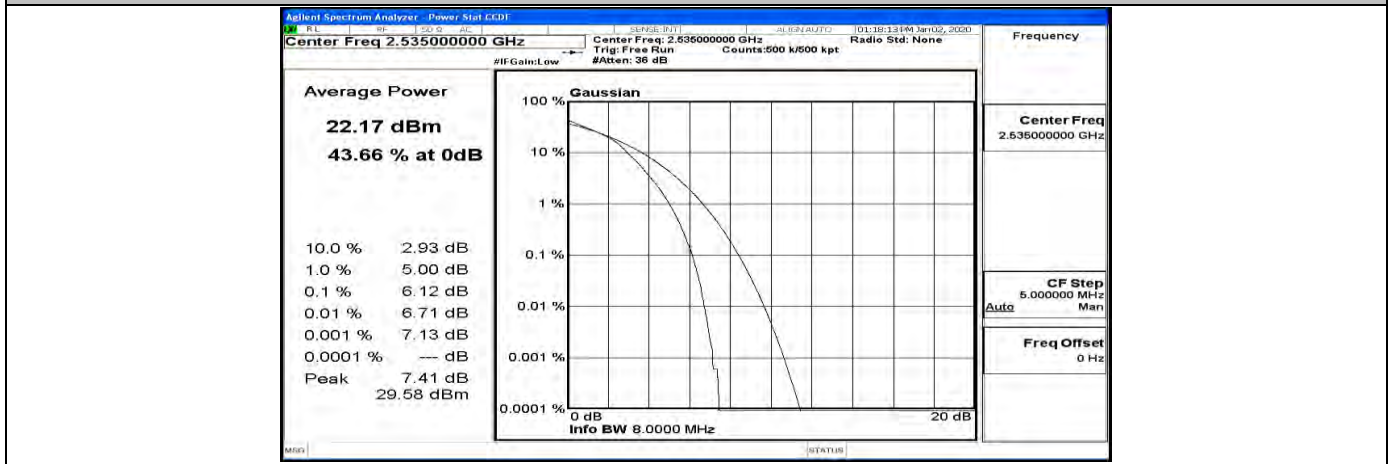
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz) _HCH_QPSK



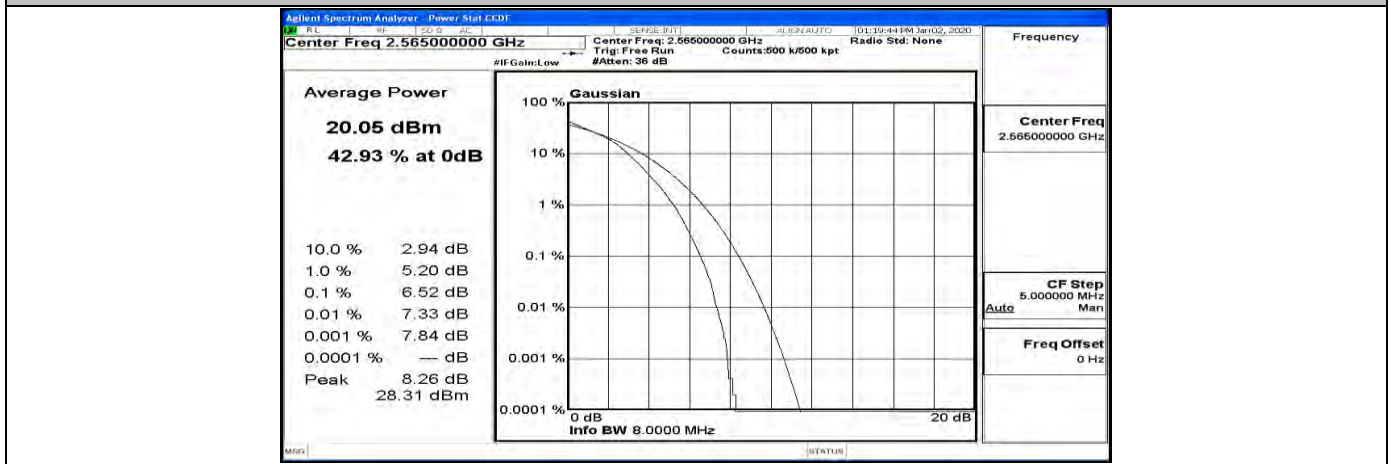
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz) _LCH_16QAM



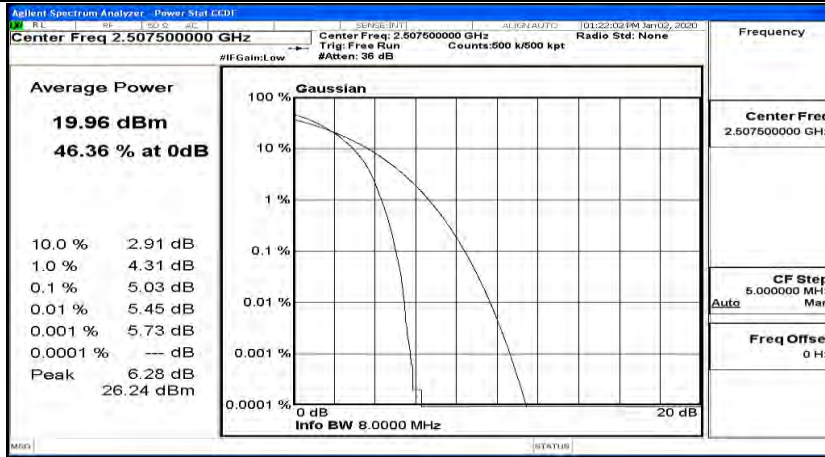
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



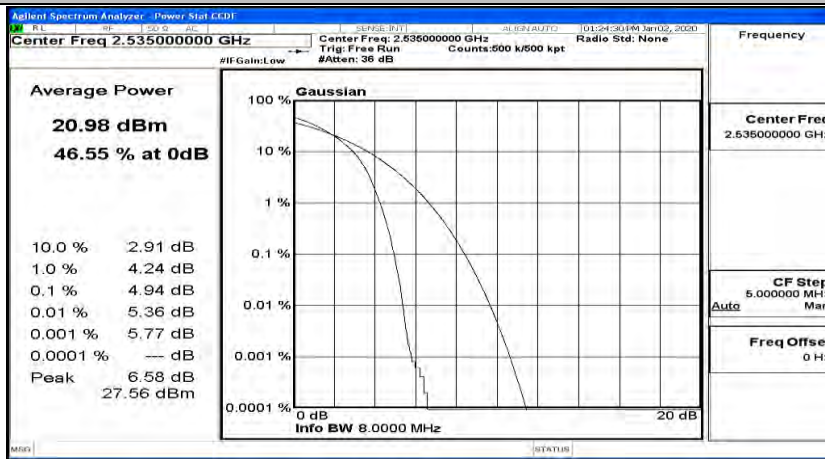
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



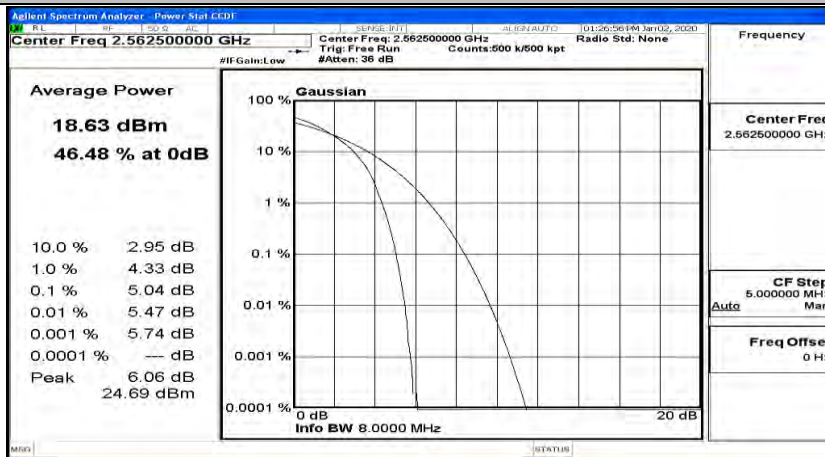
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz) LCH_QPSK



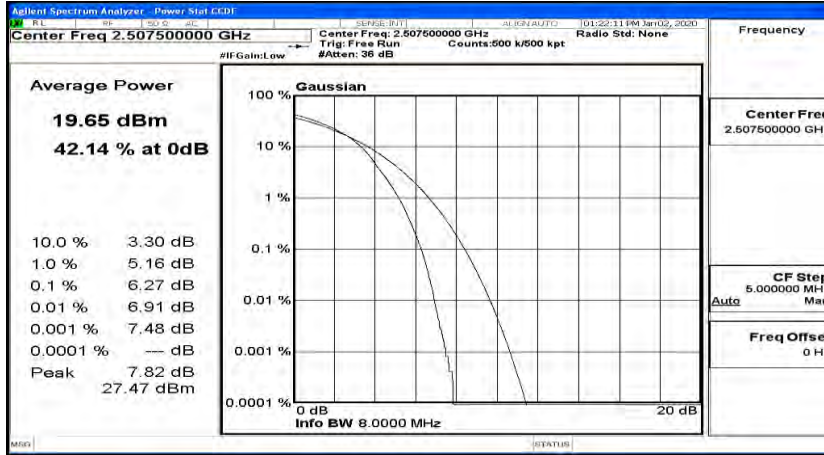
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz) MCH_QPSK



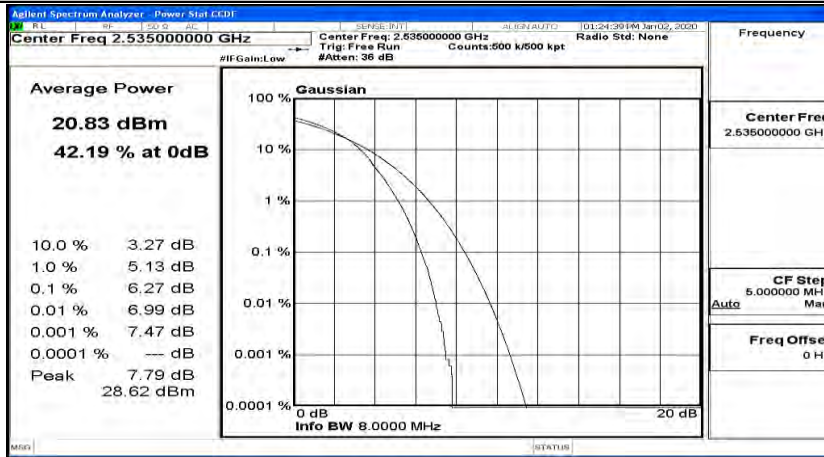
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz) HCH_QPSK



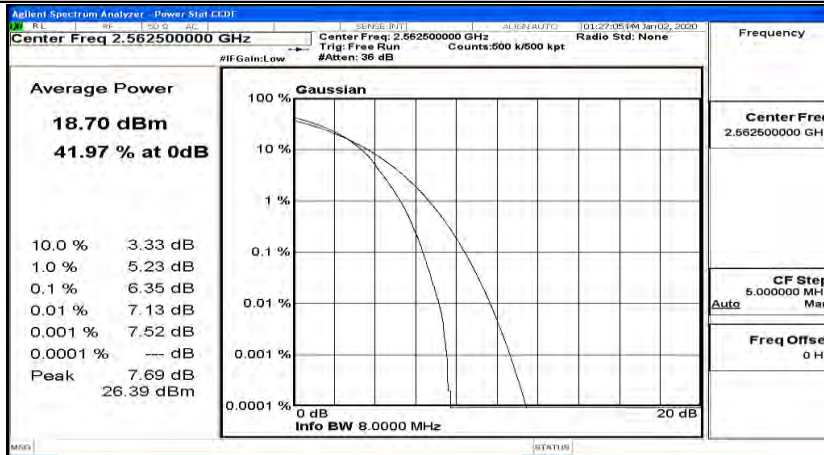
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



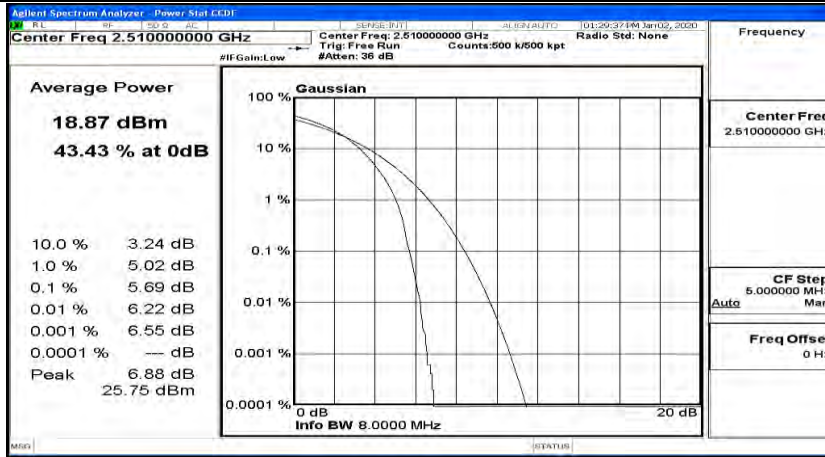
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM



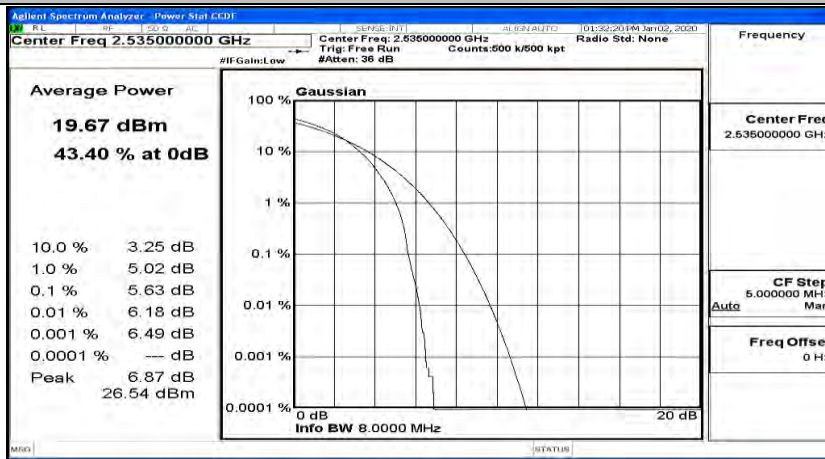
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



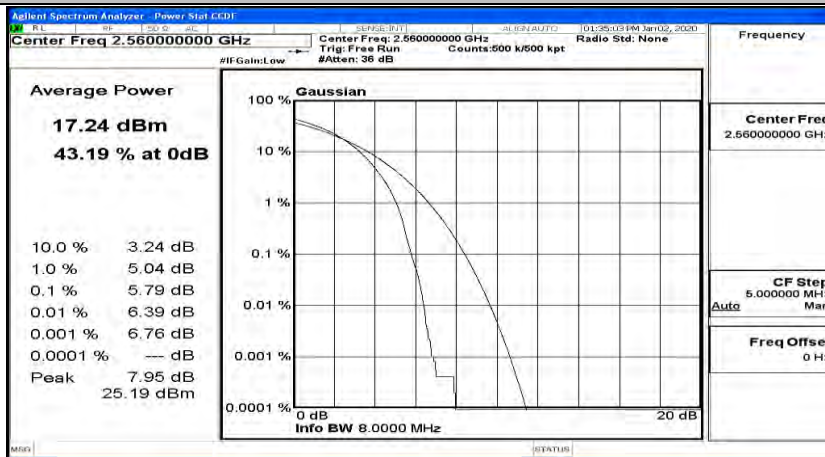
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz) LCH_QPSK



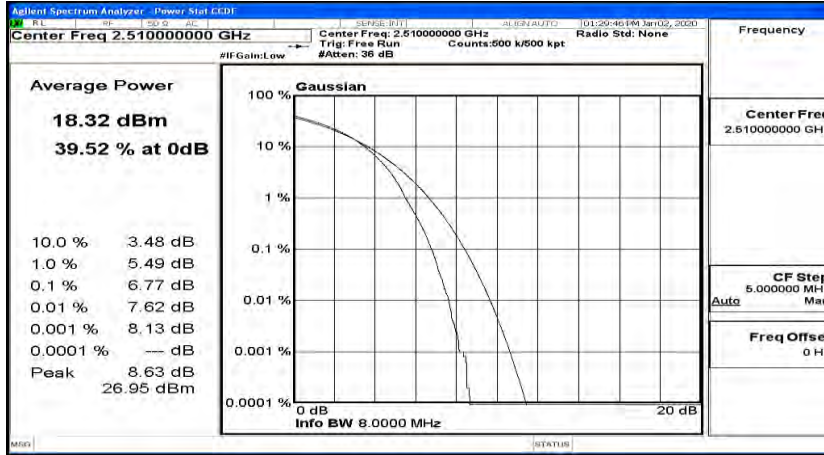
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz) MCH_QPSK



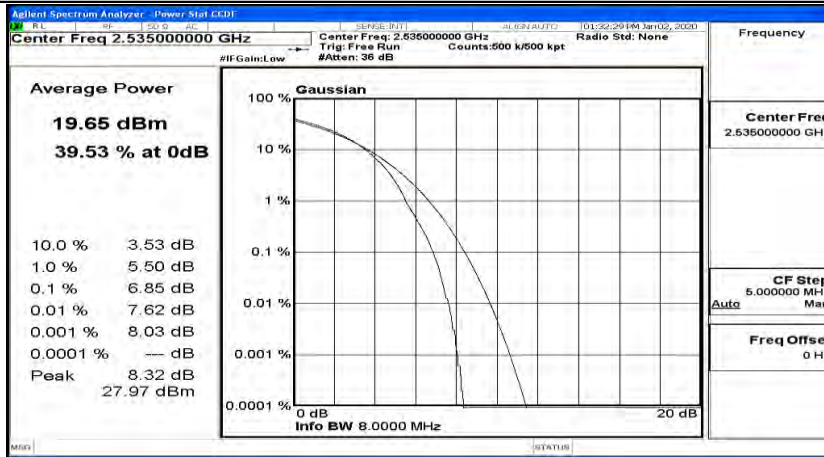
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz) HCH_QPSK



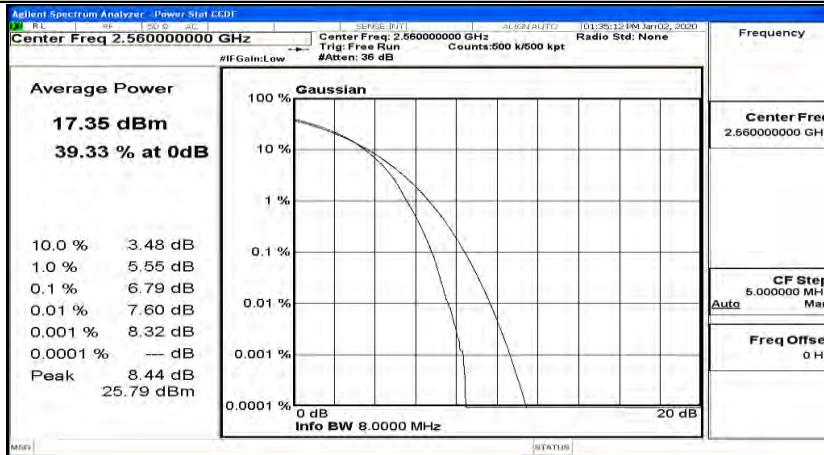
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM



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



F.3 26dB Bandwidth and Occupied Bandwidth

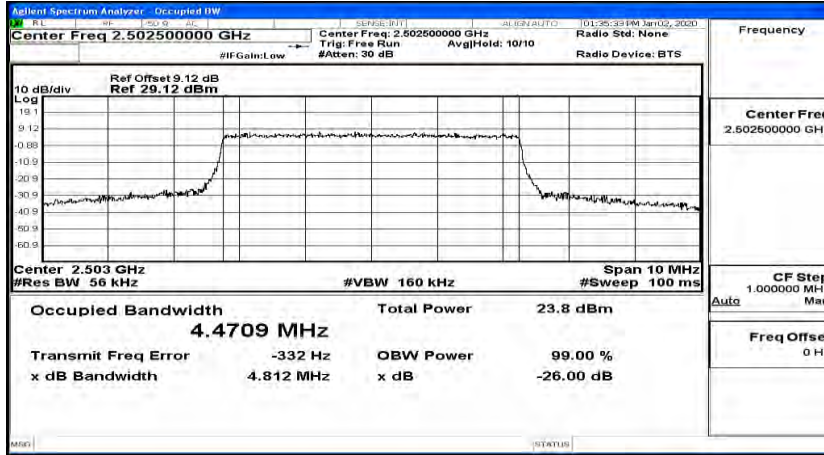
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4709	4.812	PASS
	MCH	4.4707	4.824	PASS
	HCH	4.4755	4.811	PASS
16QAM	LCH	4.4738	4.805	PASS
	MCH	4.4752	4.834	PASS
	HCH	4.4795	4.930	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9462	9.581	PASS
	MCH	8.9314	9.487	PASS
	HCH	8.9238	9.568	PASS
16QAM	LCH	8.9378	9.476	PASS
	MCH	8.9344	9.572	PASS
	HCH	8.9405	9.458	PASS

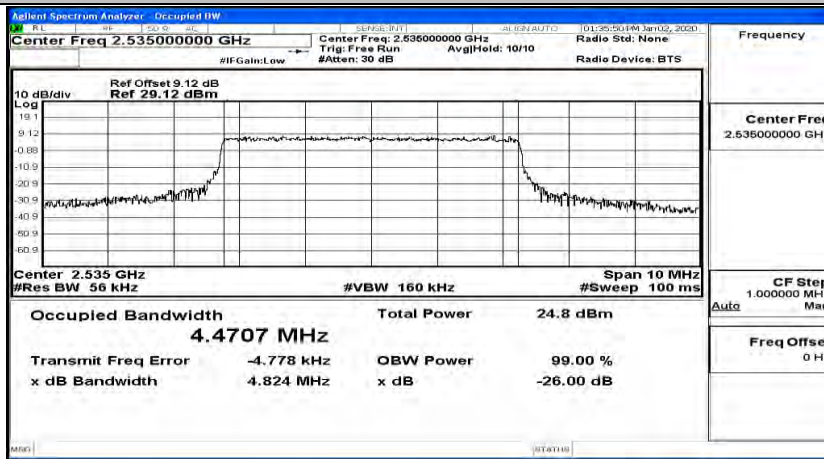
EBW & OBW Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	13.409	14.20	PASS
	MCH	13.380	14.09	PASS
	HCH	13.425	14.22	PASS
16QAM	LCH	13.399	14.18	PASS
	MCH	13.387	14.12	PASS
	HCH	13.409	14.13	PASS

EBW & OBW Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	17.876	18.83	PASS
	MCH	17.852	18.65	PASS
	HCH	17.915	18.77	PASS
16QAM	LCH	17.882	18.78	PASS
	MCH	17.859	18.70	PASS
	HCH	17.901	18.99	PASS

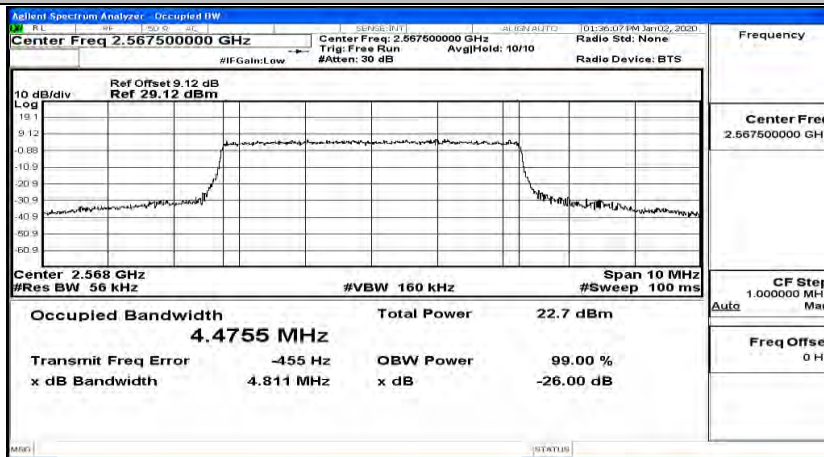
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



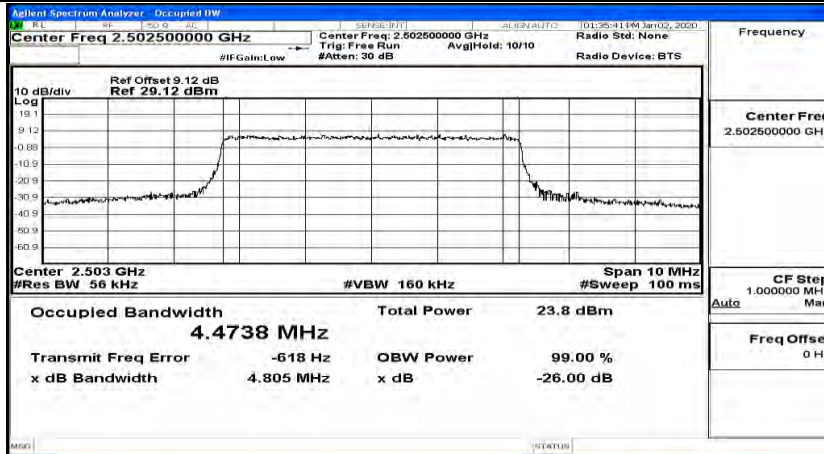
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



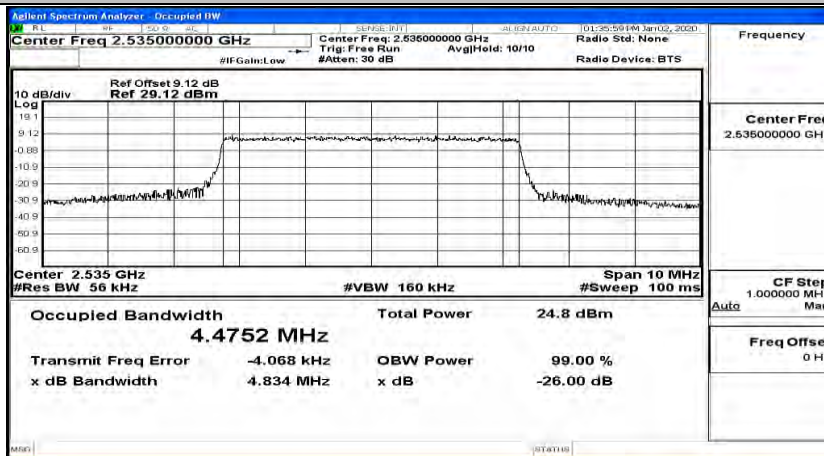
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



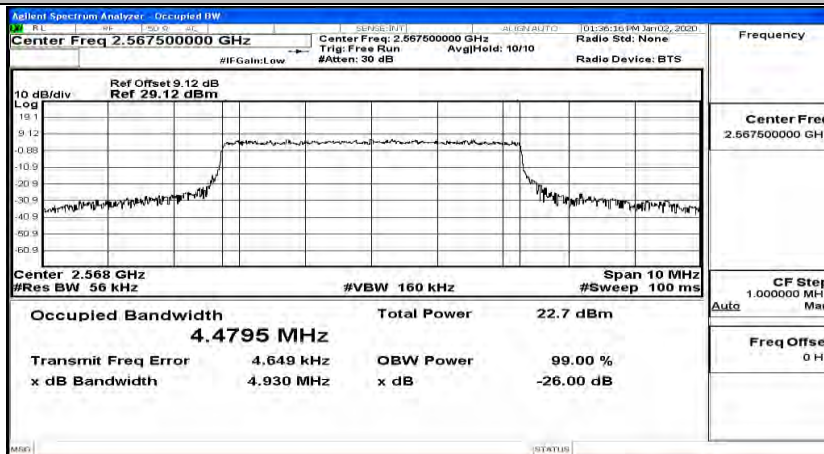
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



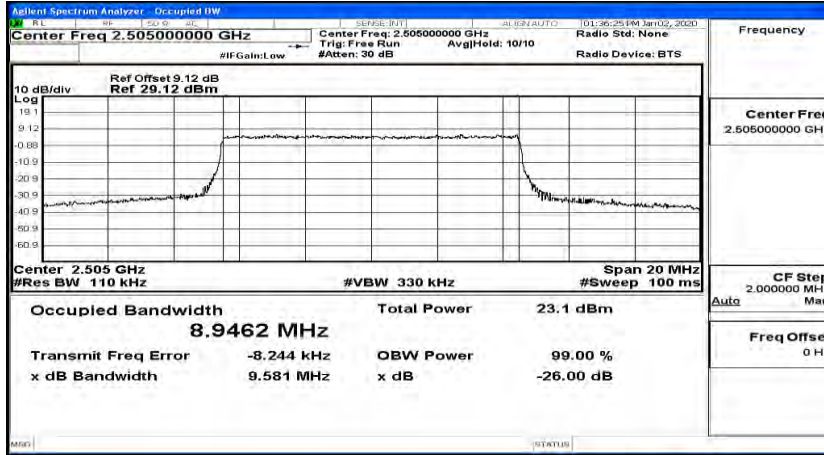
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



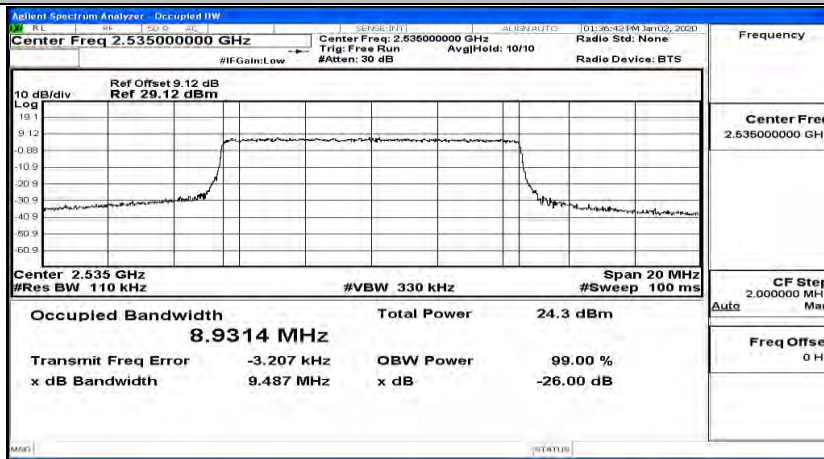
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



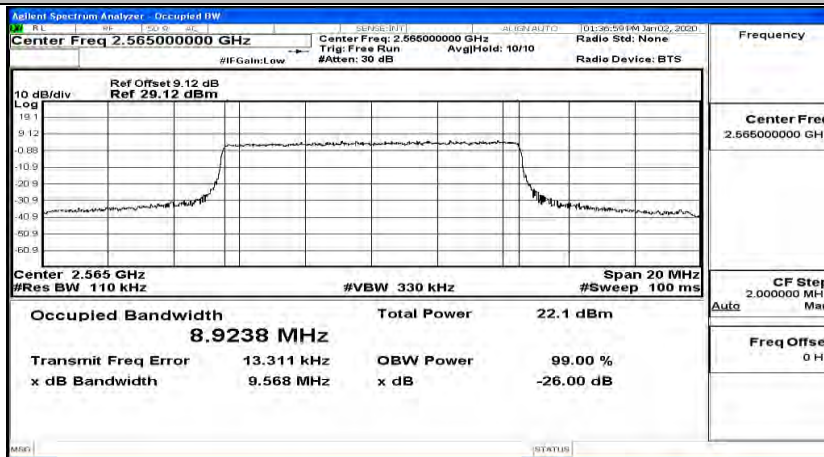
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



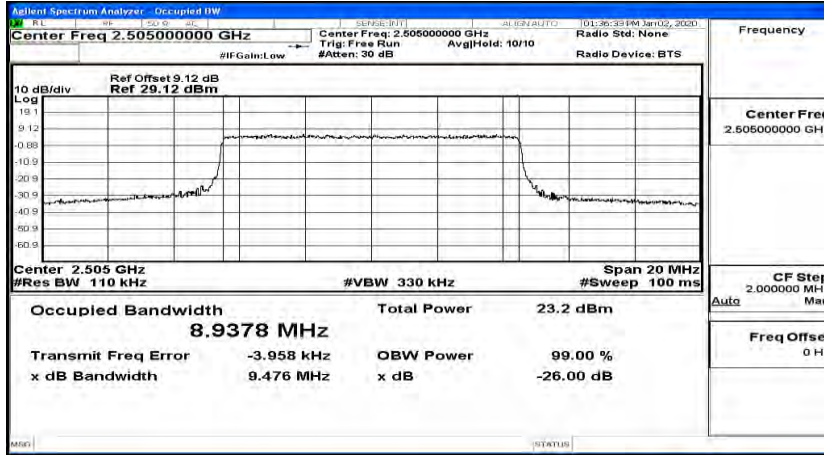
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



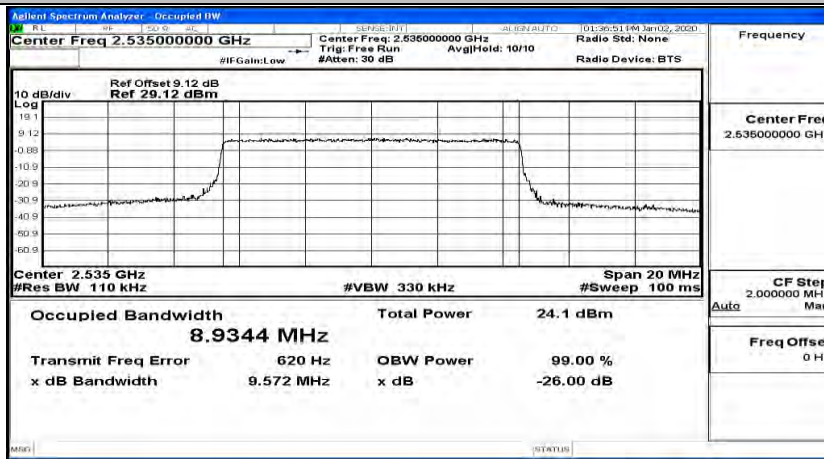
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



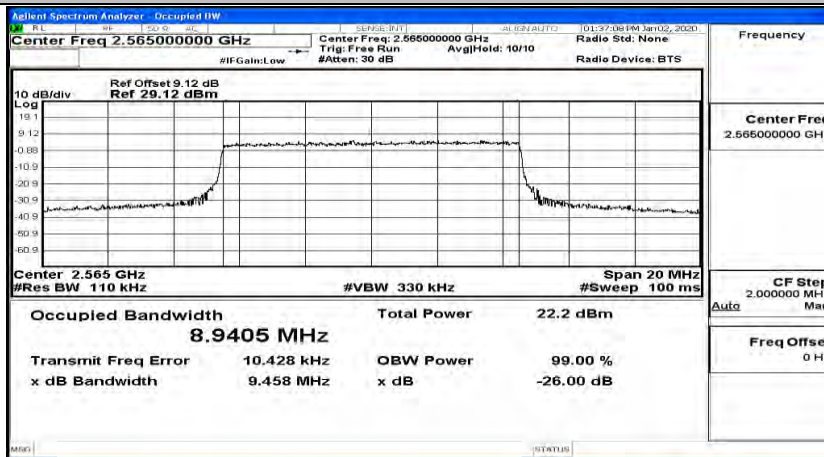
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



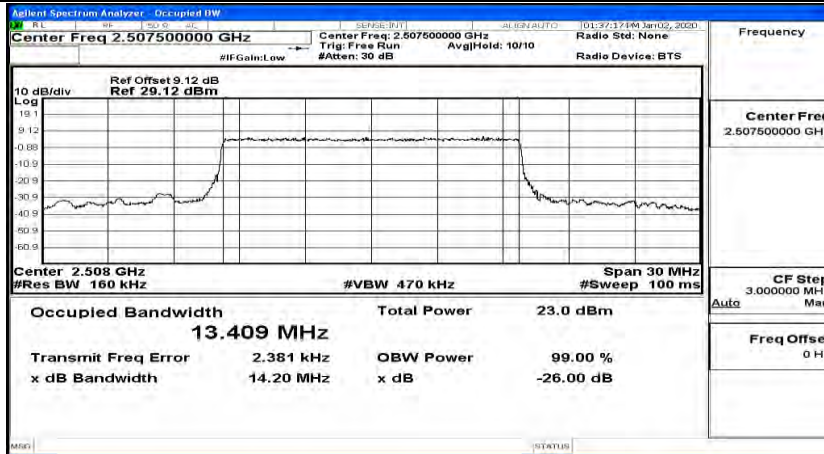
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



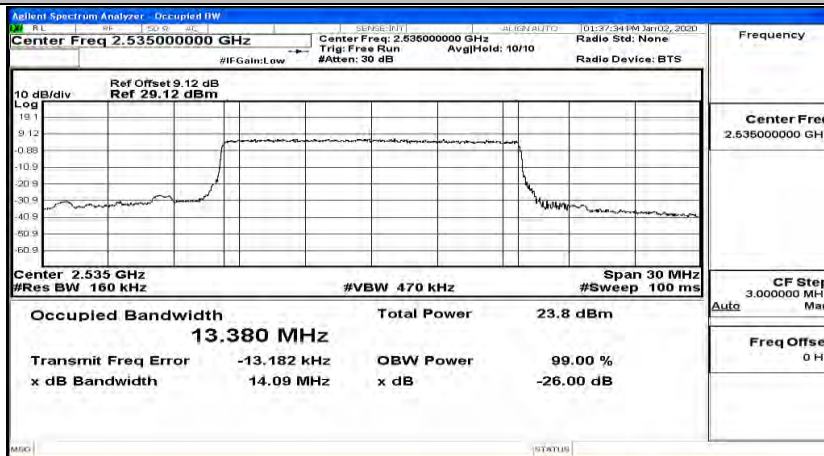
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



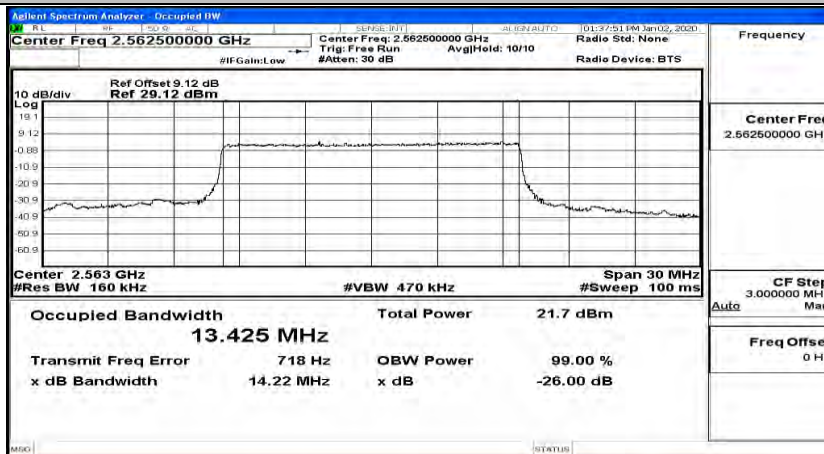
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



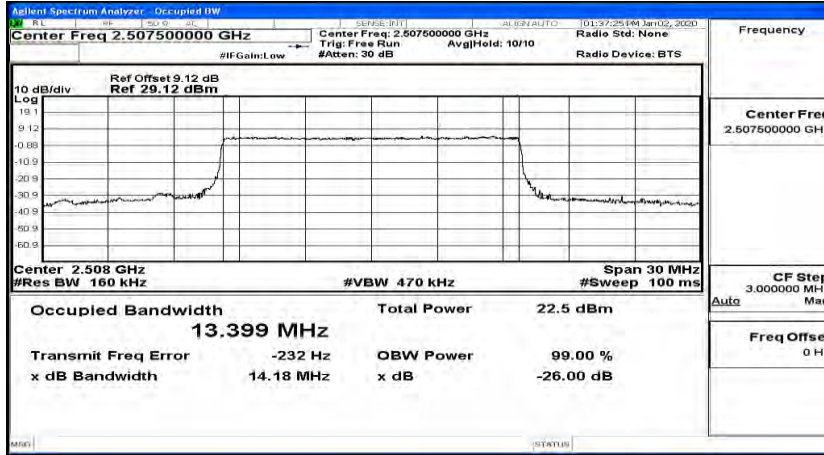
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK



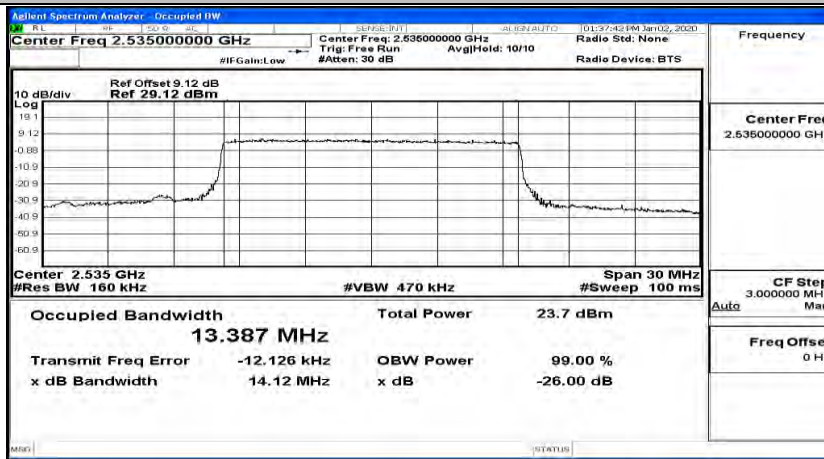
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



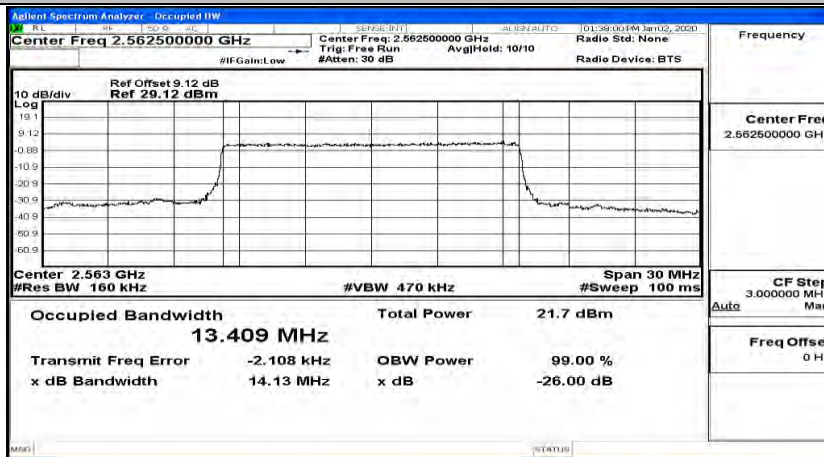
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



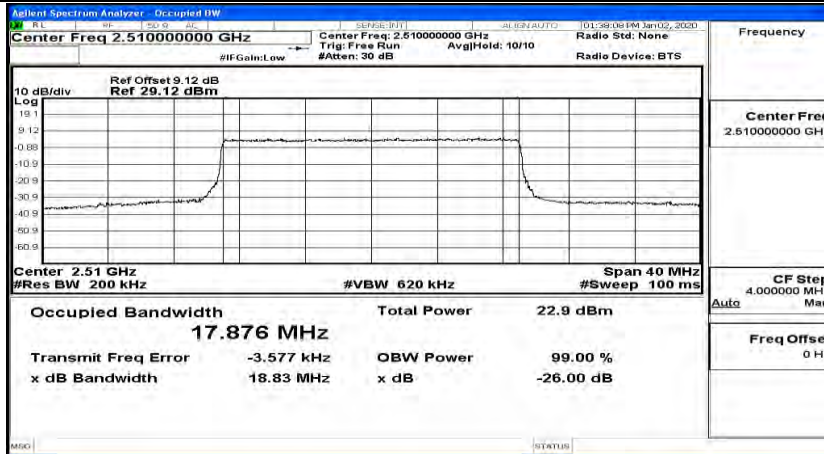
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM



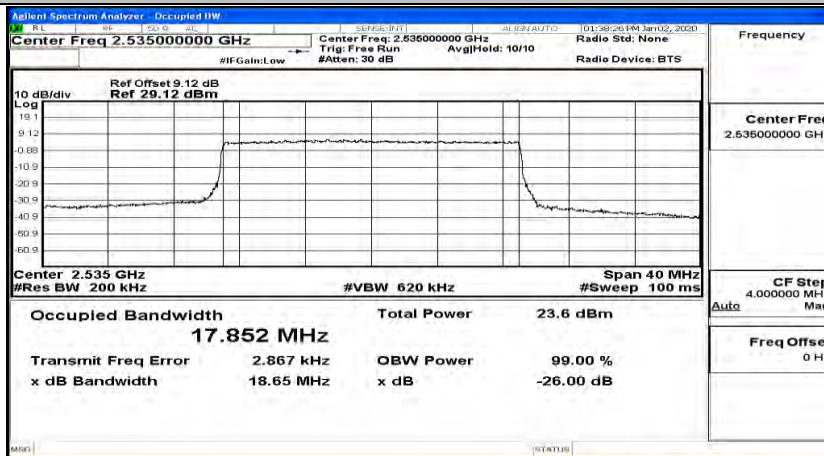
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



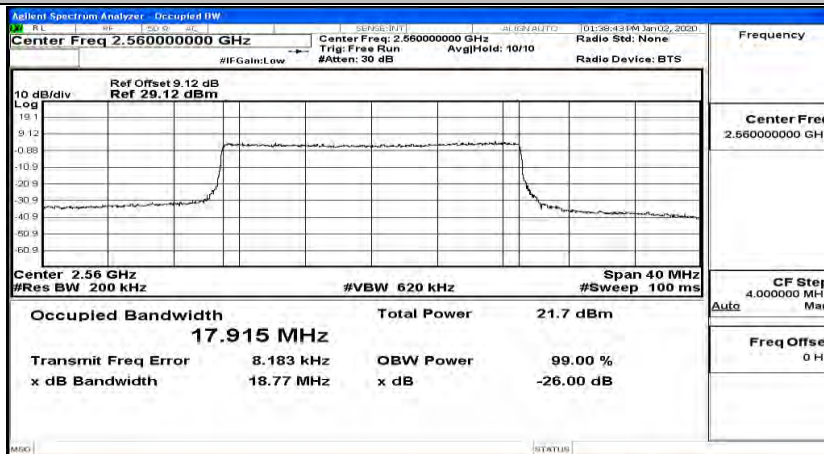
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



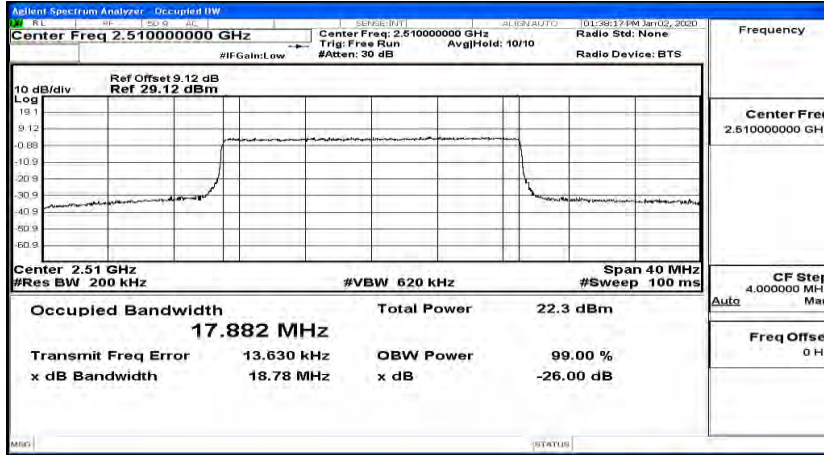
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK



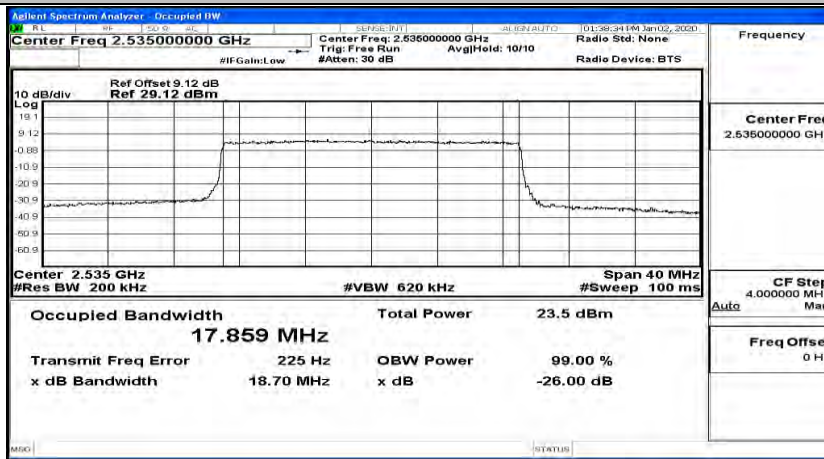
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



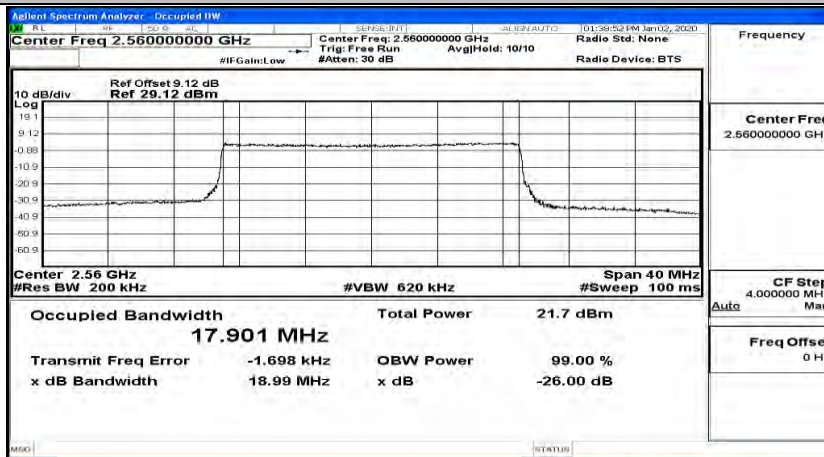
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM



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

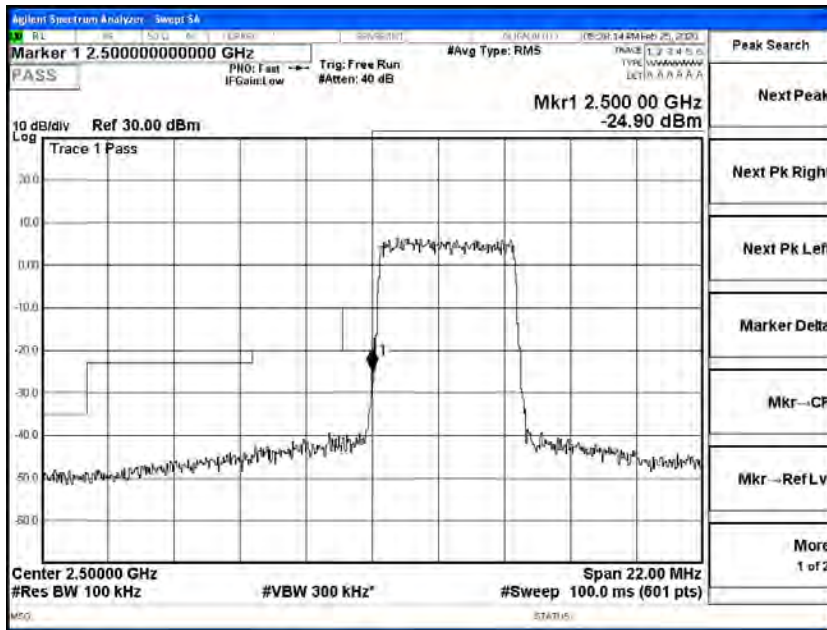


EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM

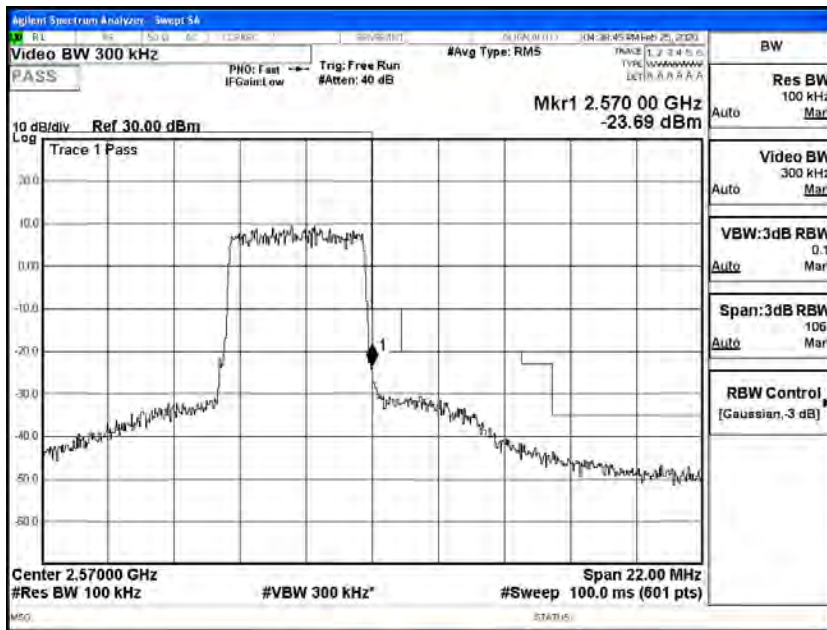


F.4 Band Edge

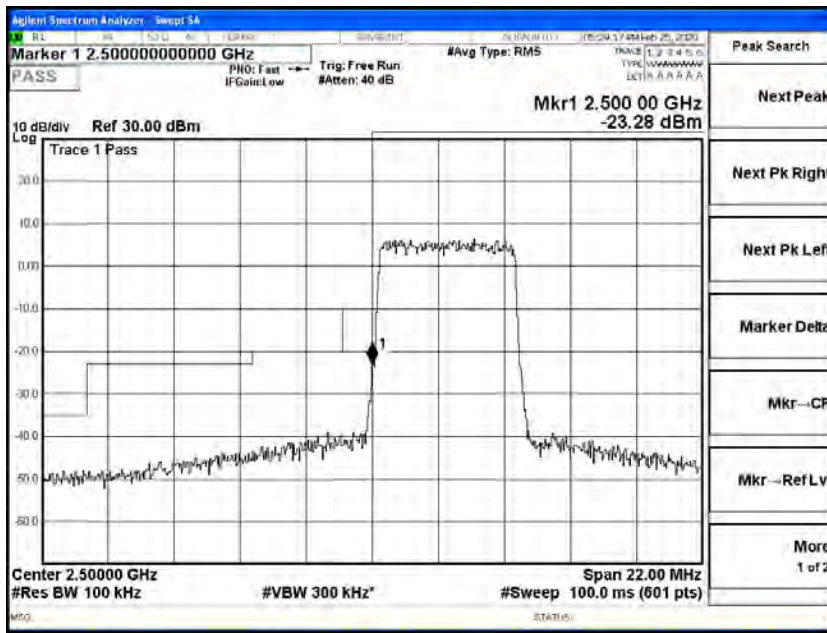
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



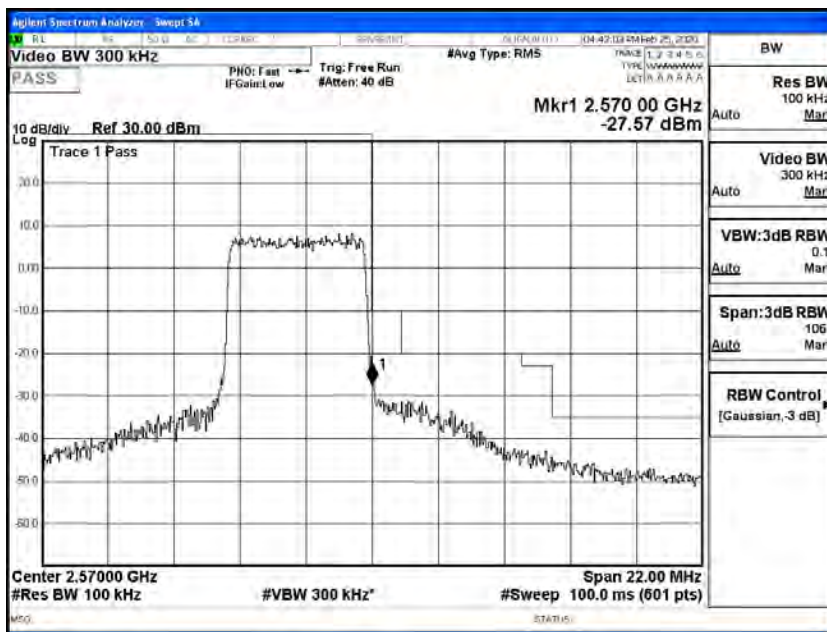
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



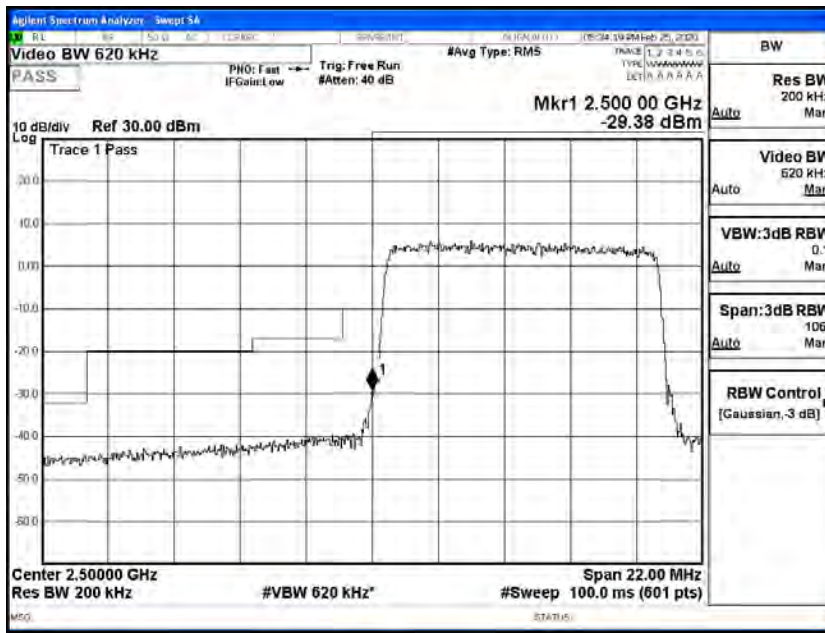
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



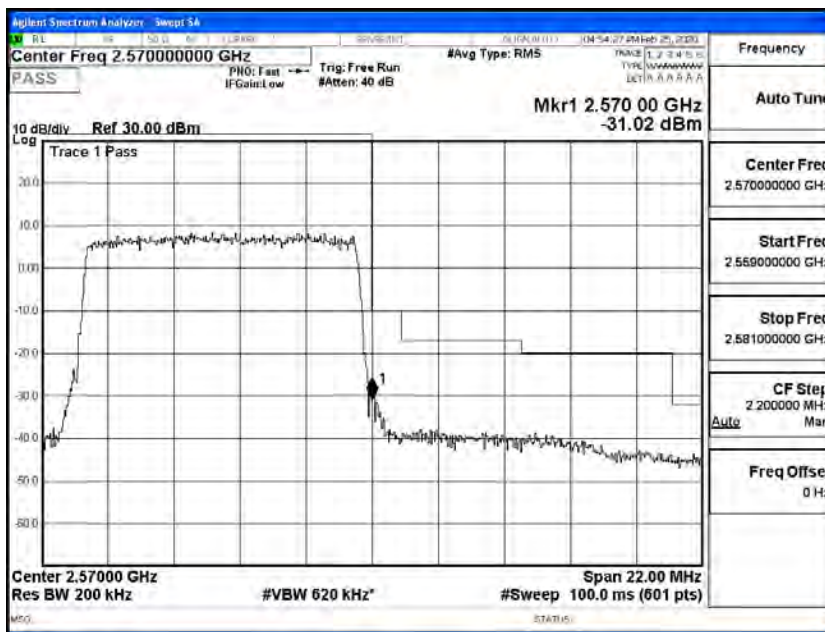
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



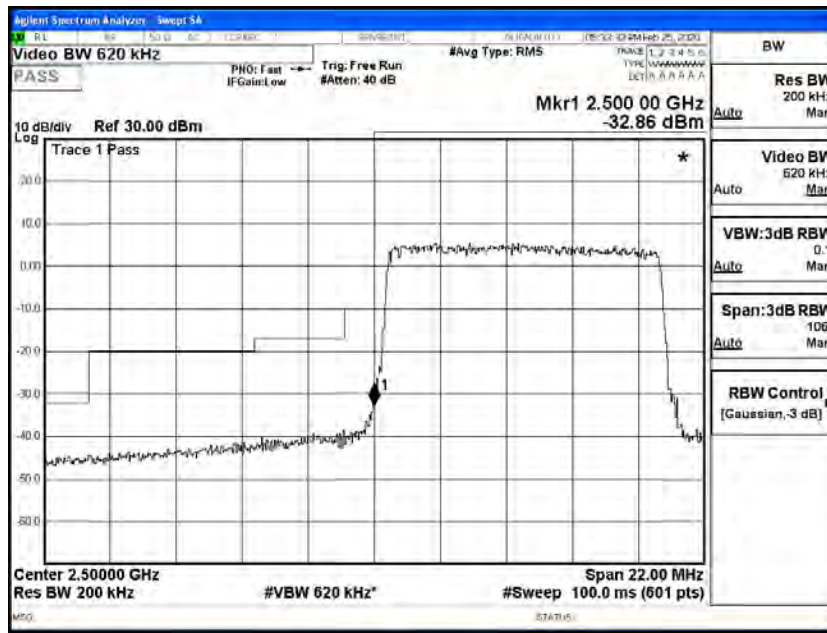
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



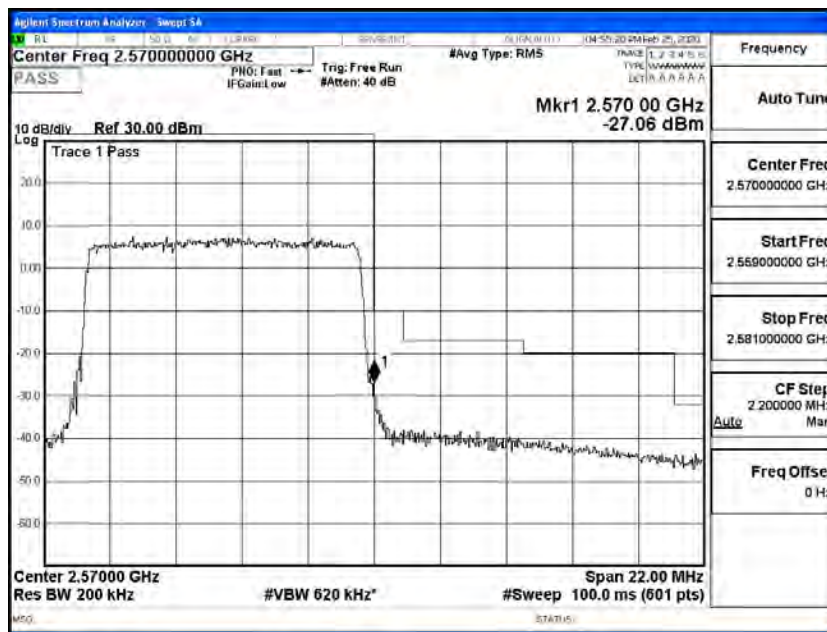
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



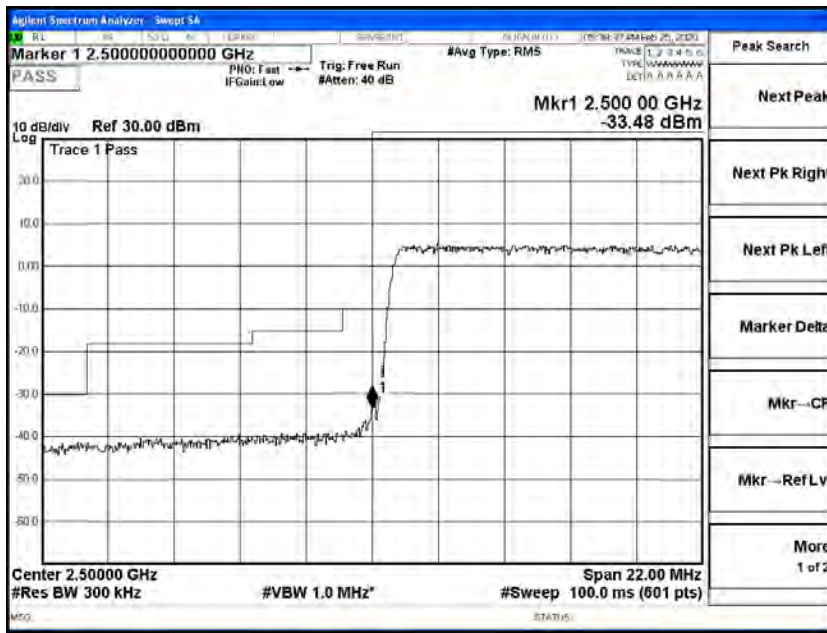
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



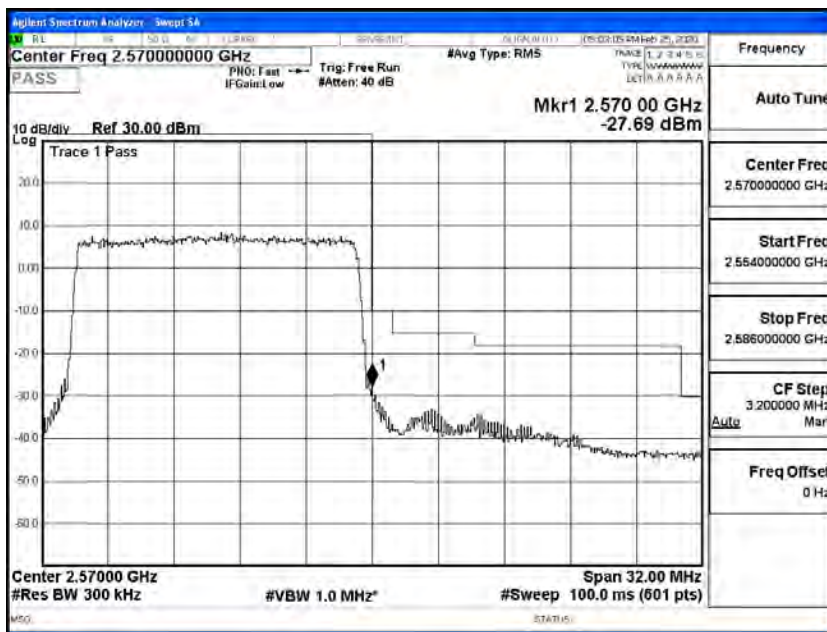
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



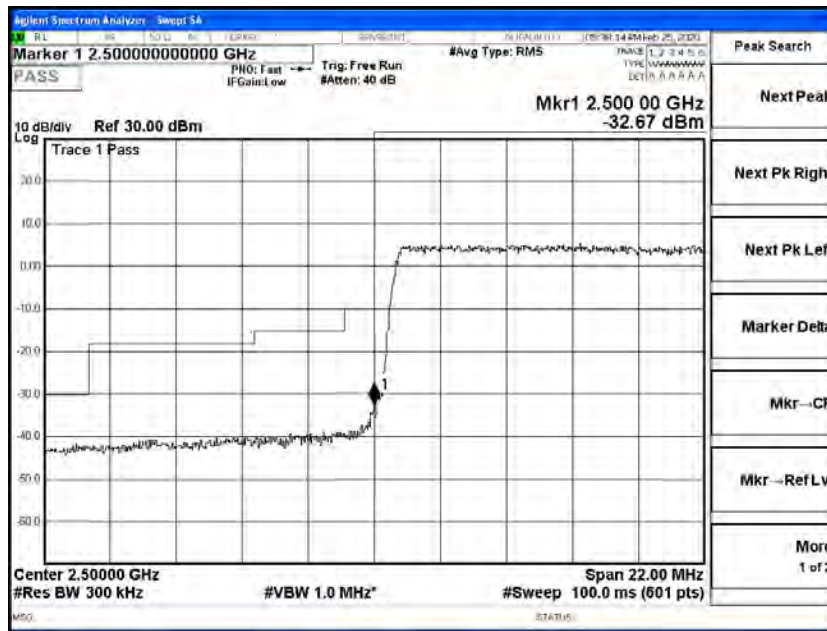
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



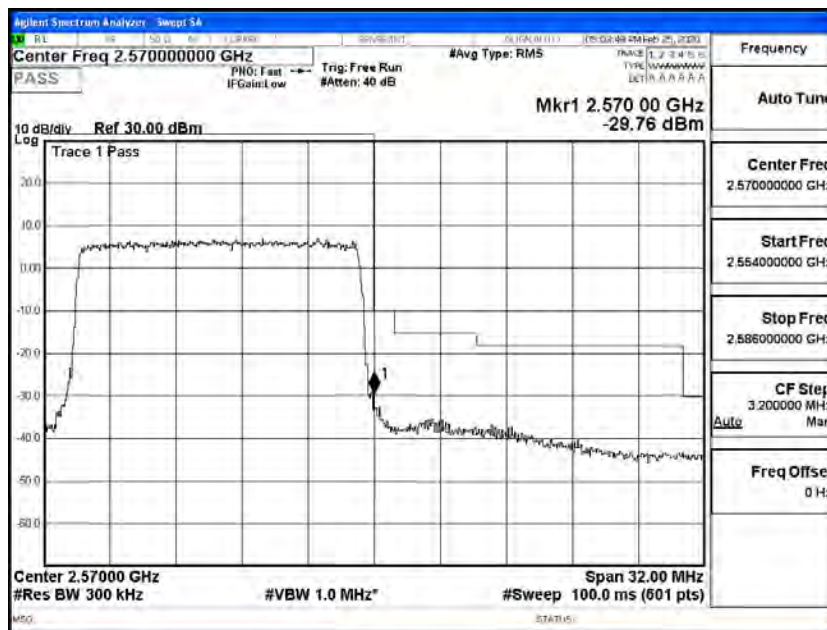
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



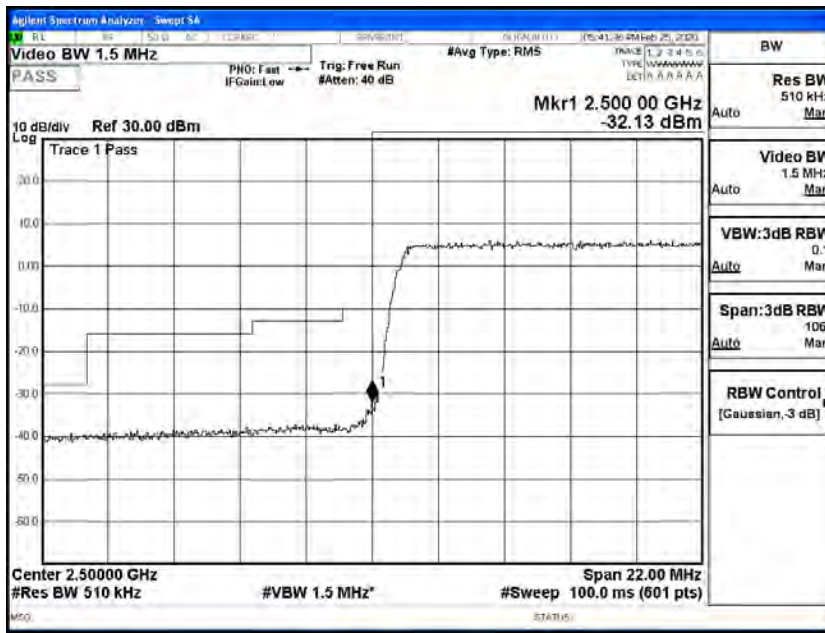
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



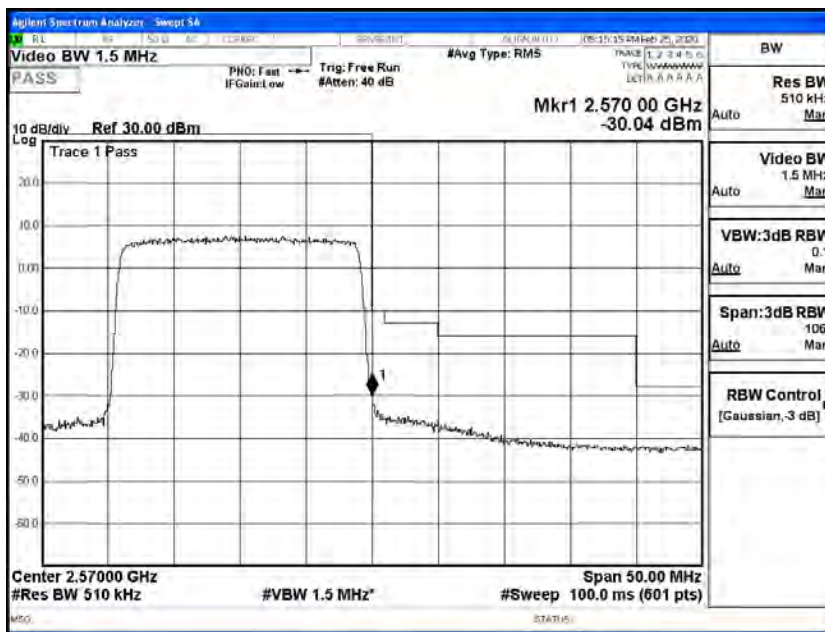
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



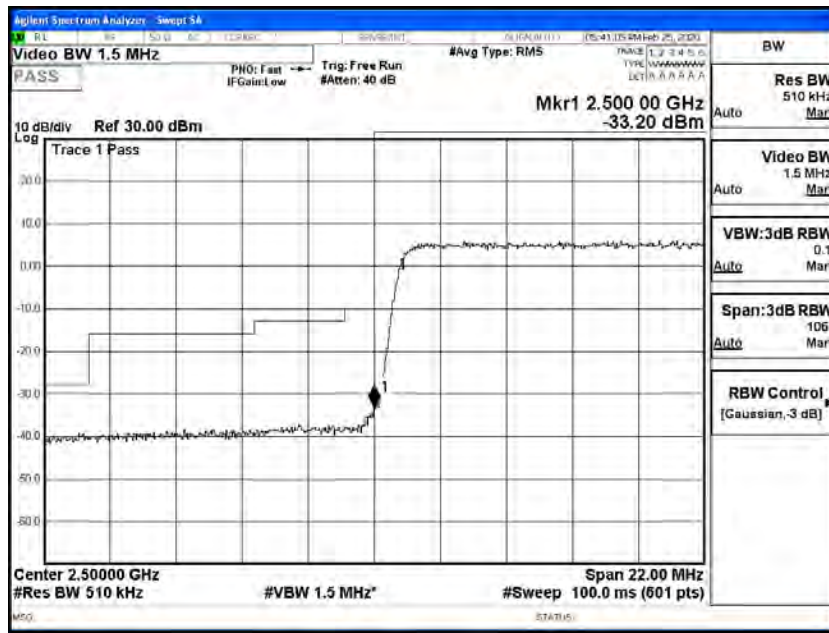
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



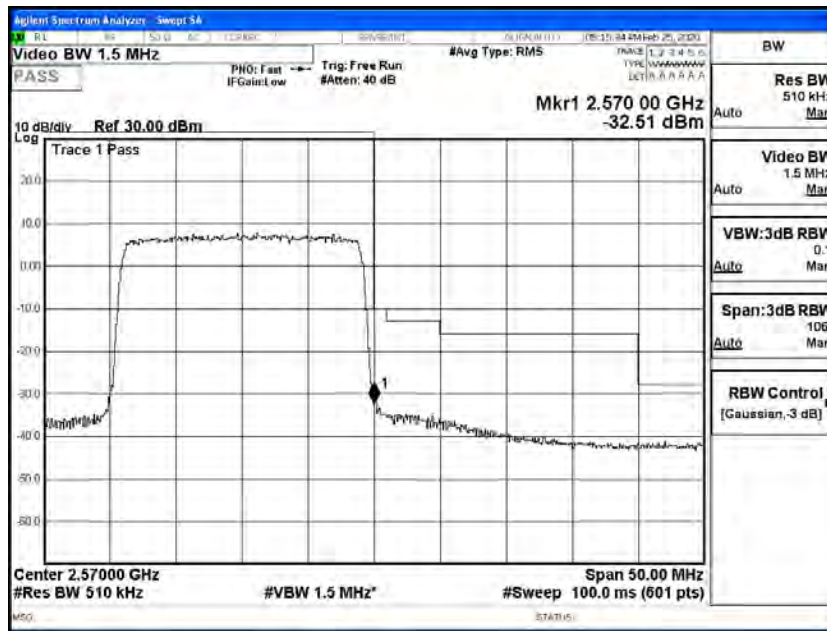
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



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



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

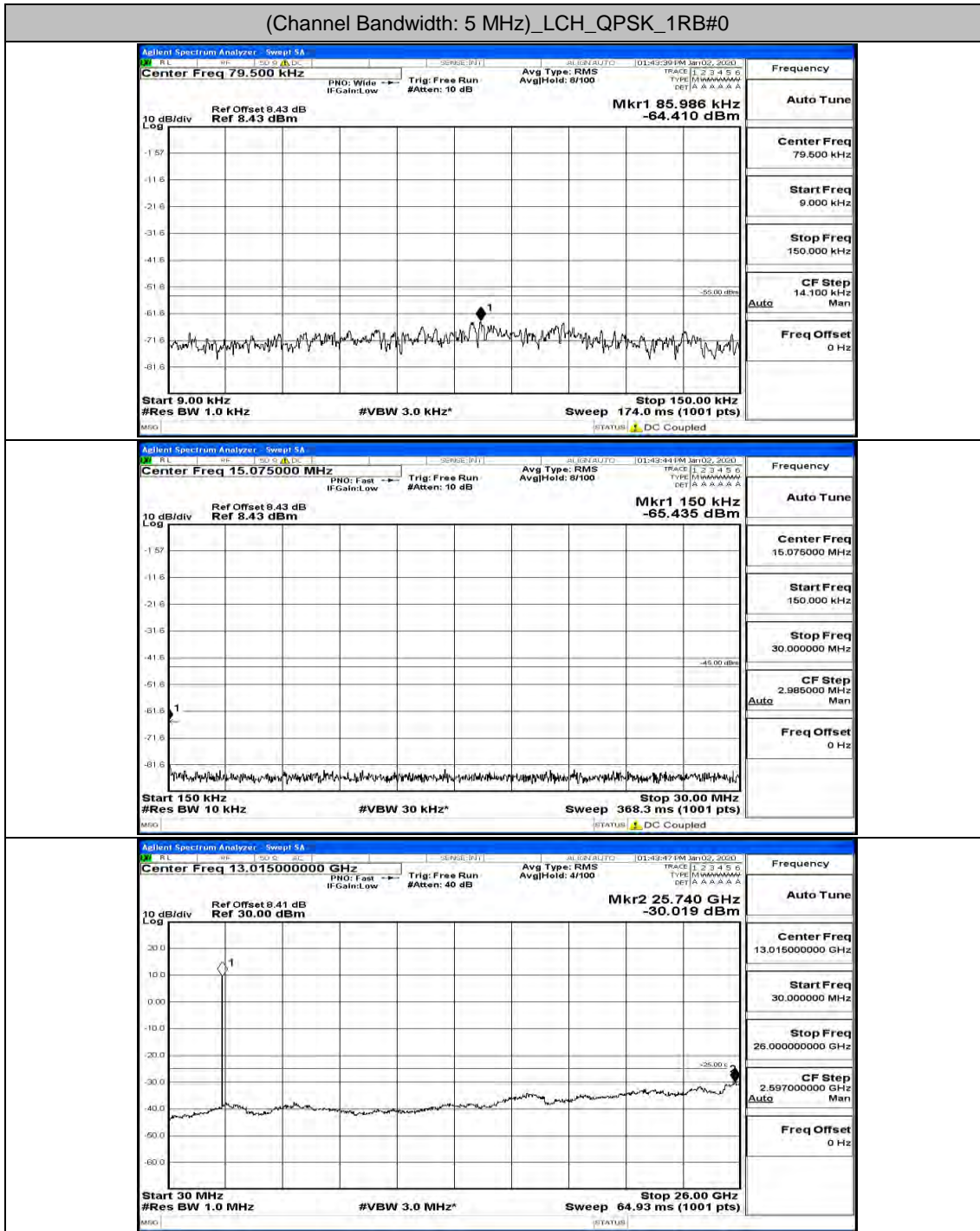


Note:

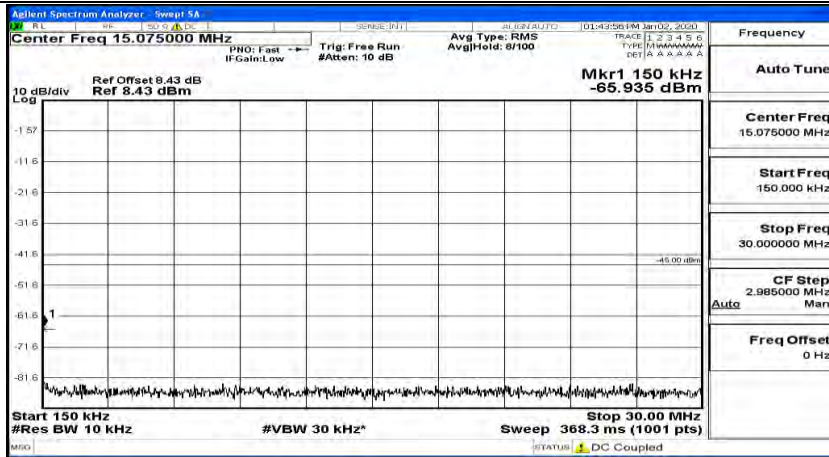
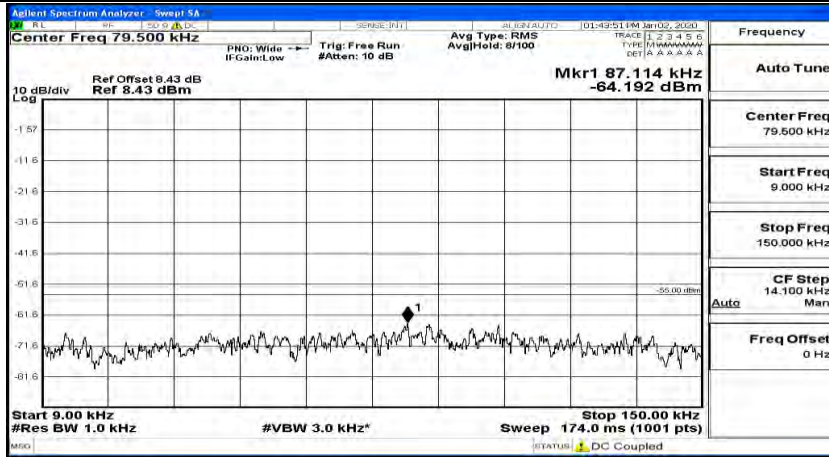
1. Limit = Standard Limit + 10log(RBW/1M)
2. All data are within the standard limit

F.5 Conducted Spurious Emission

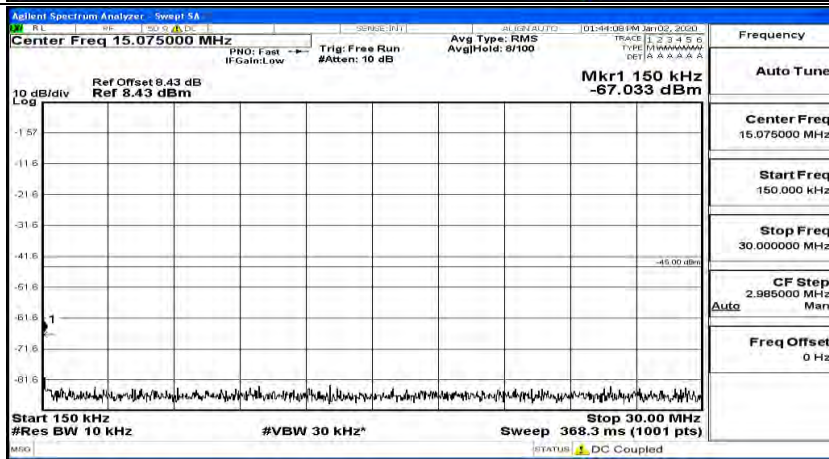
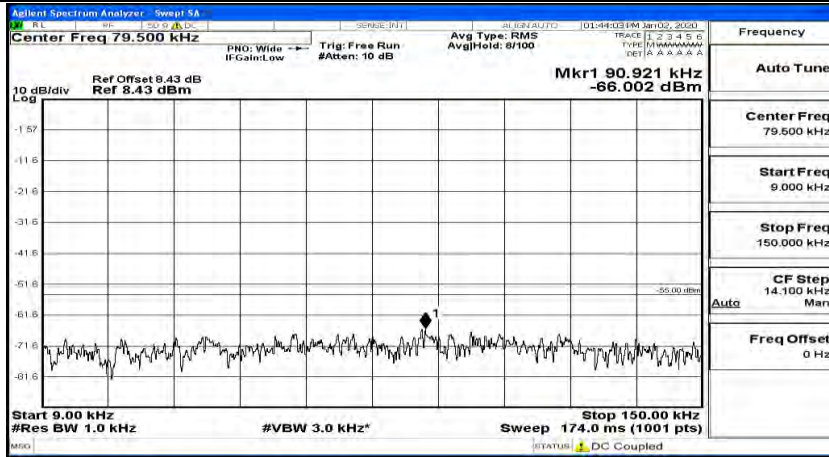
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12

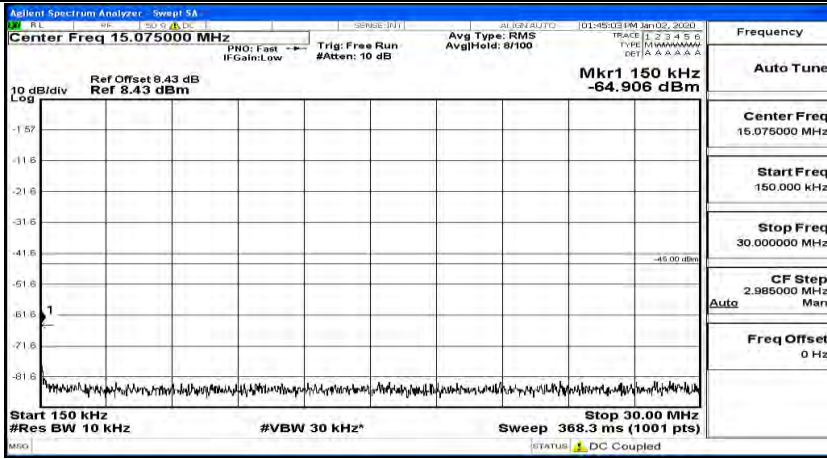


(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24

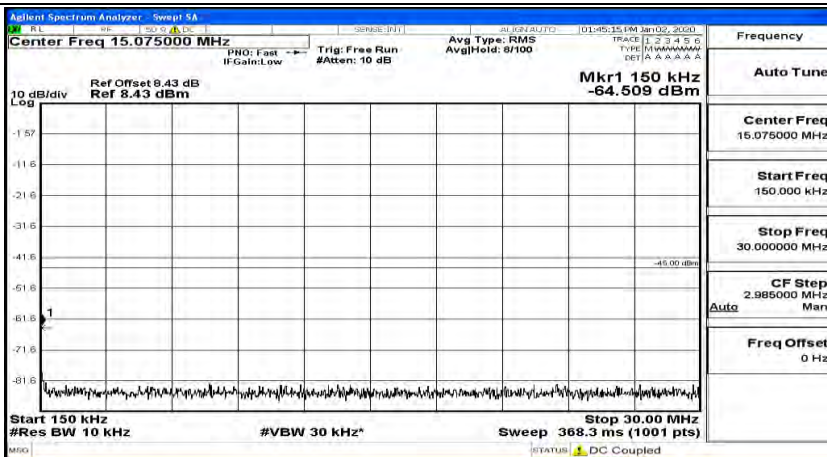
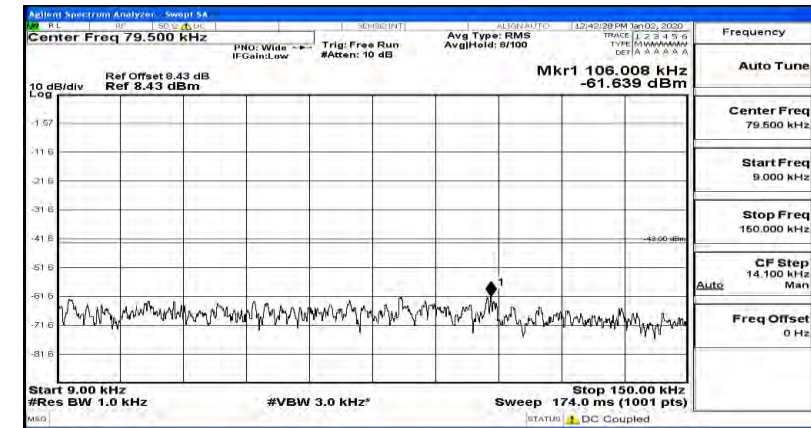


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

#Img-QPSK-M-5-1-L-CSE-1

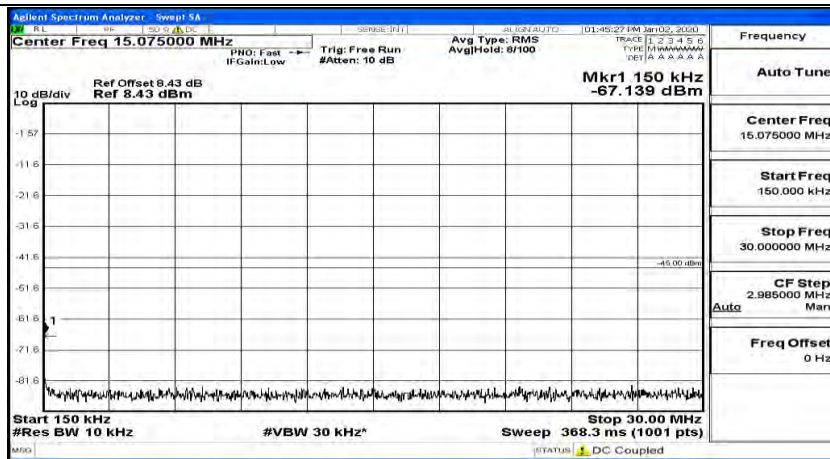
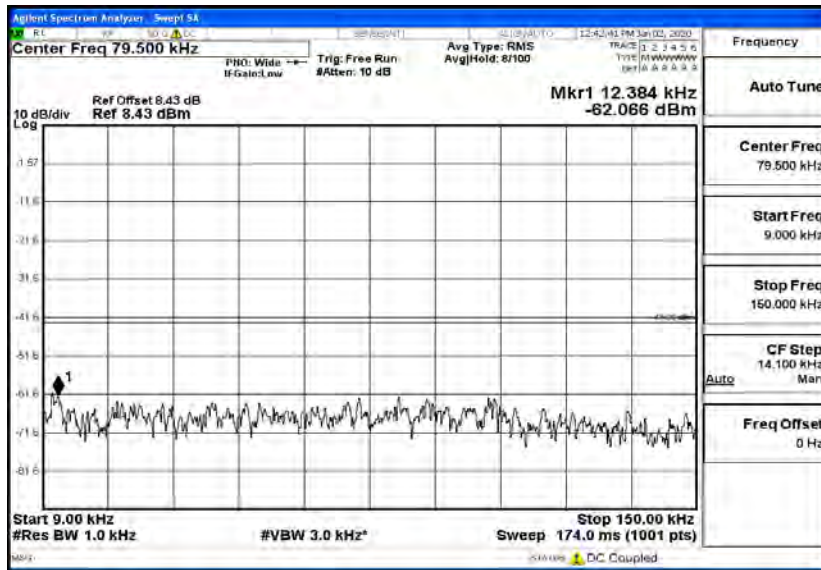


(Channel Bandwidth: 5 MHz) MCH_QPSK_1RB#12



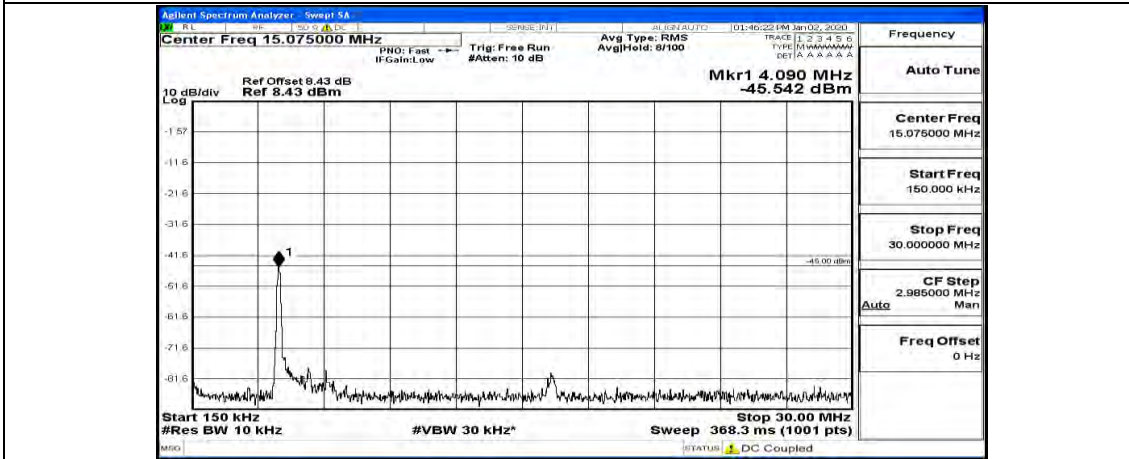
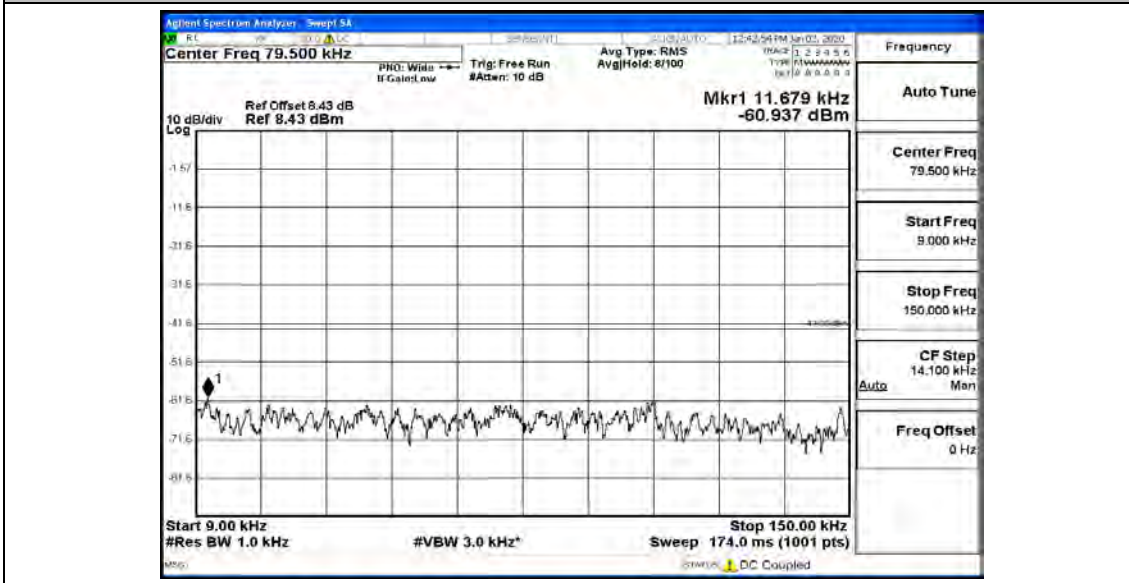


(Channel Bandwidth: 5 MHz) _MCH_QPSK_1RB#24



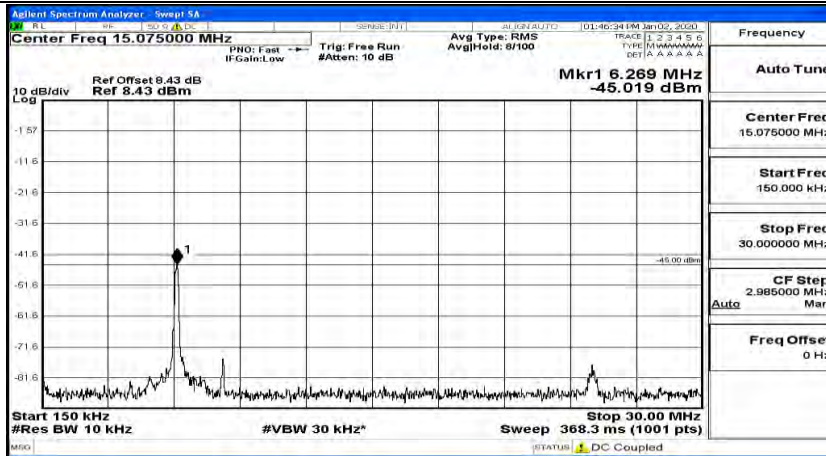
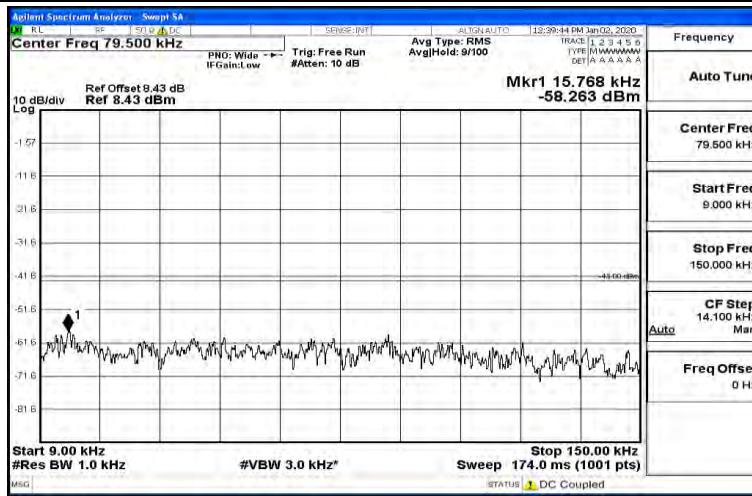


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



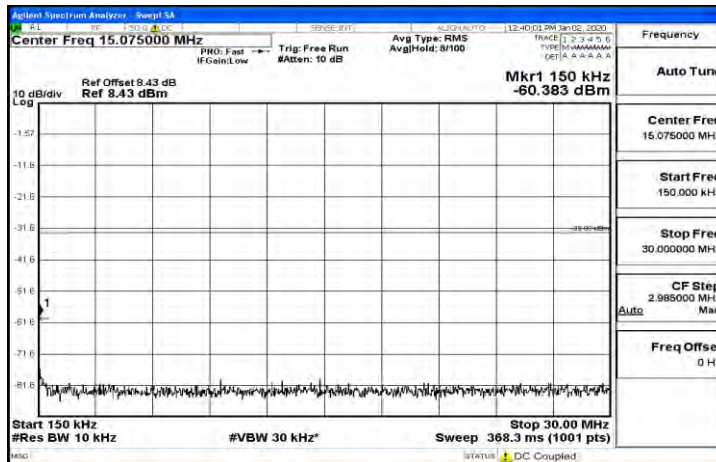
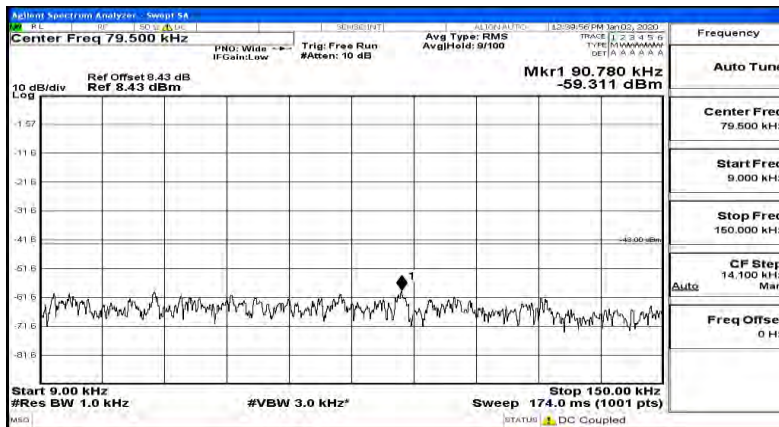


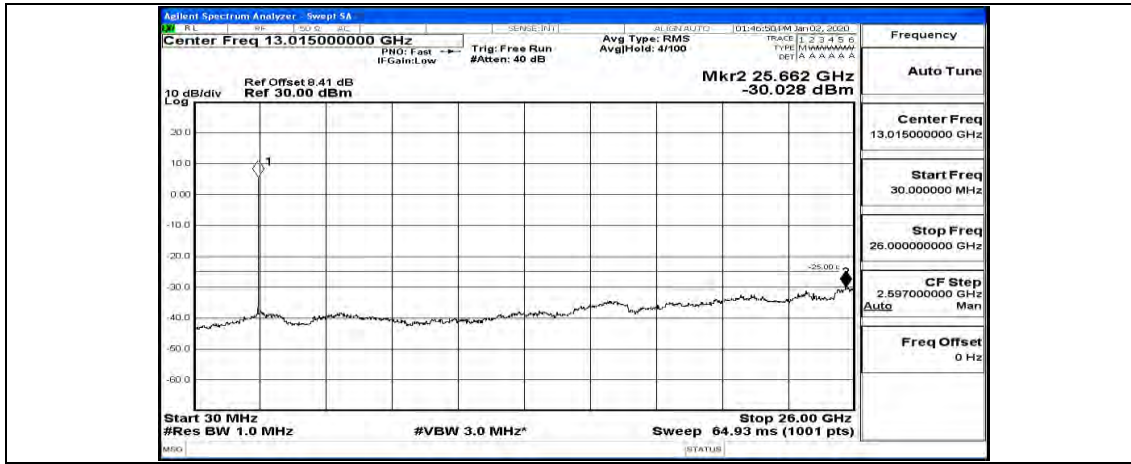
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



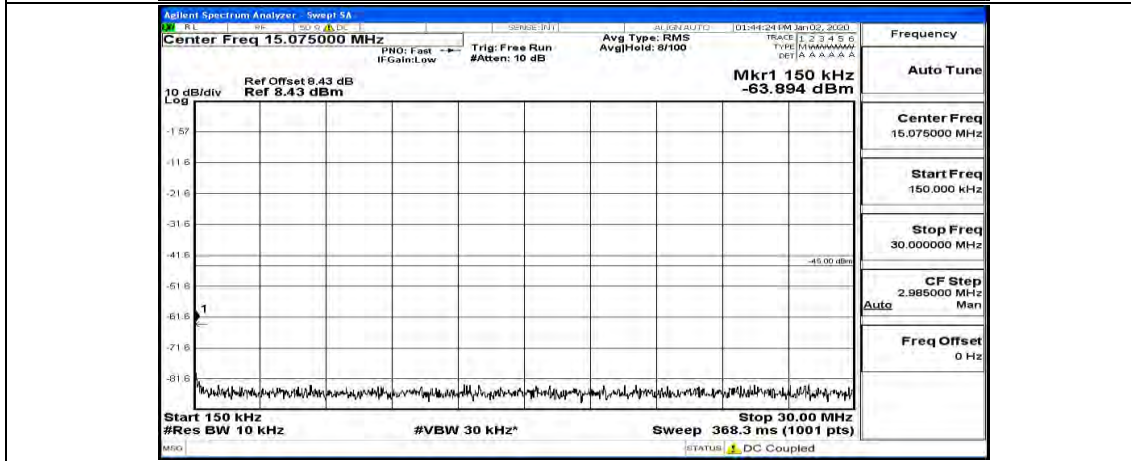
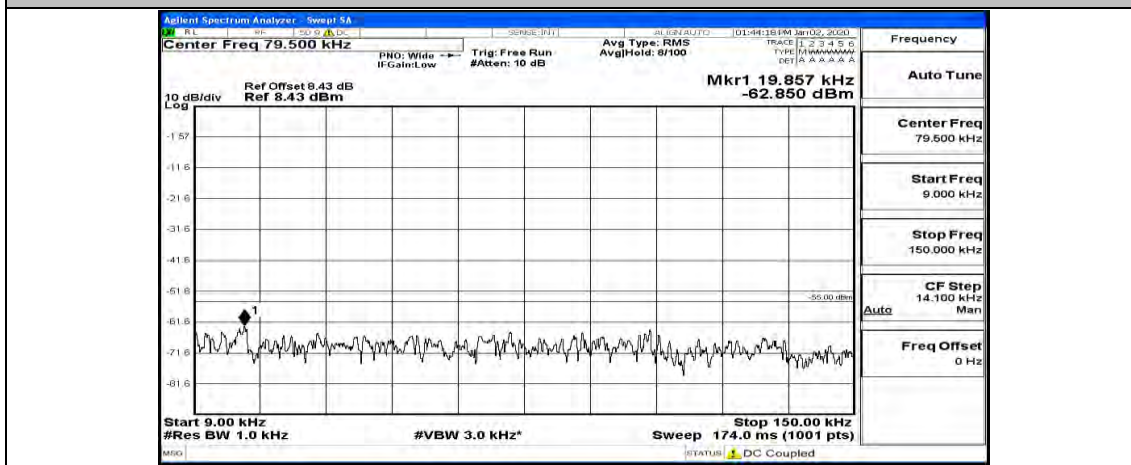


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



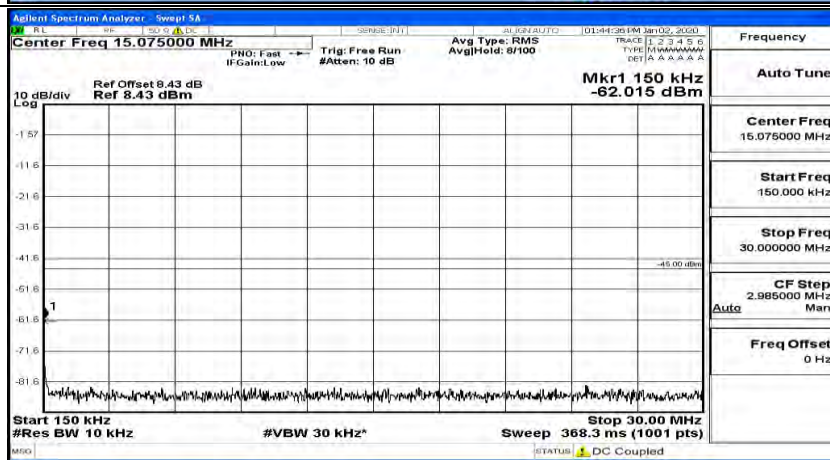
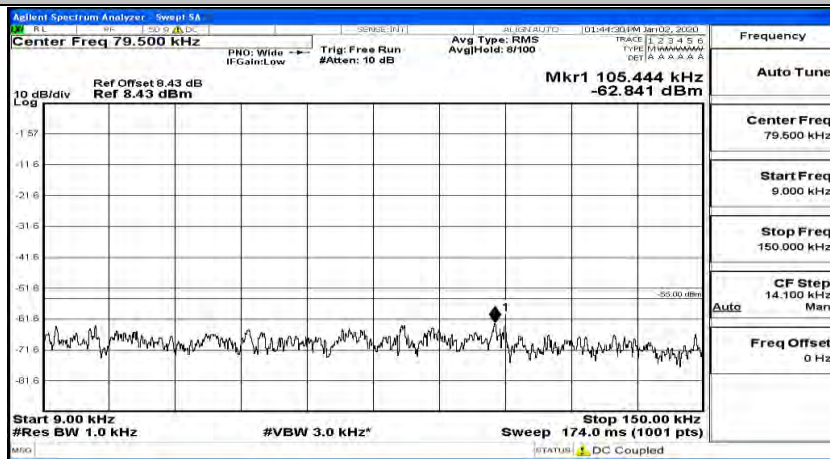


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

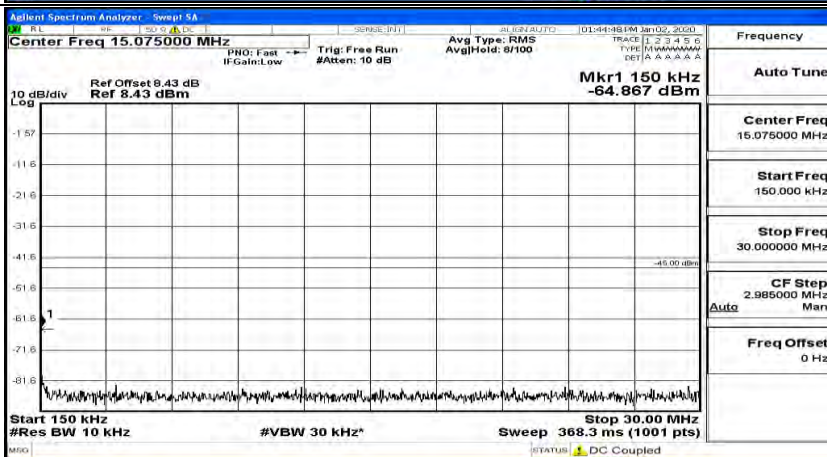
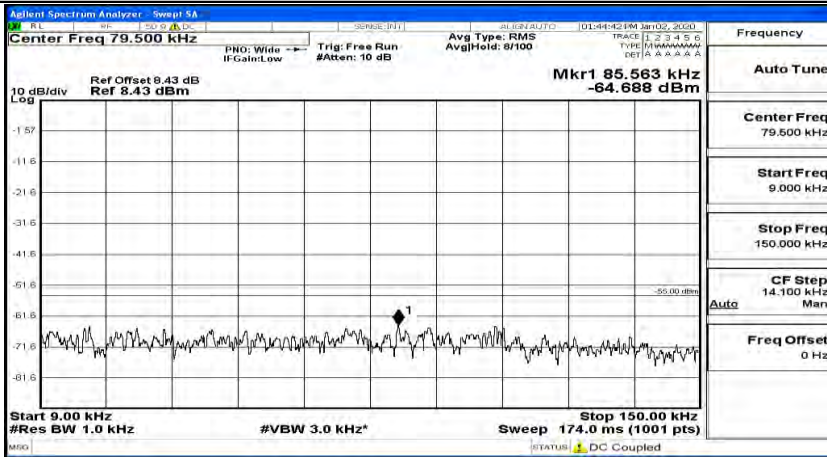




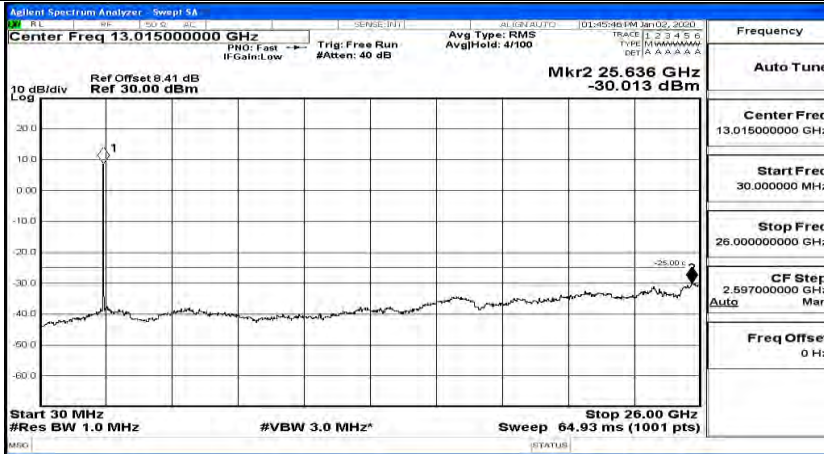
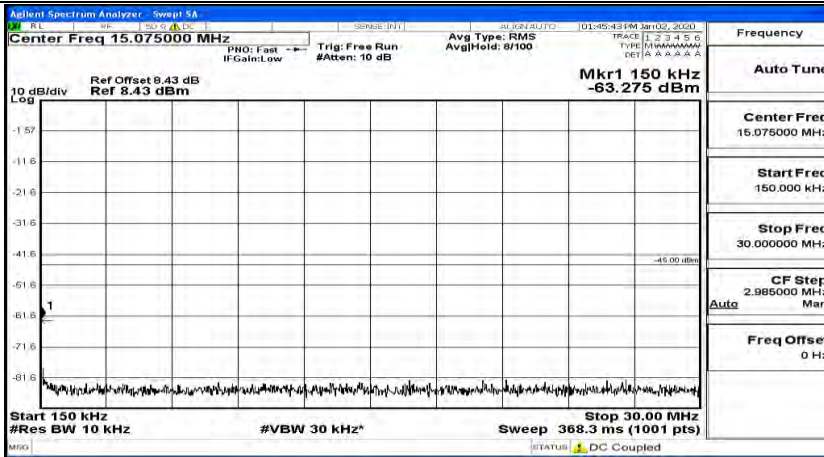
(Channel Bandwidth: 5 MHz) LCH_16QAM_1RB#12



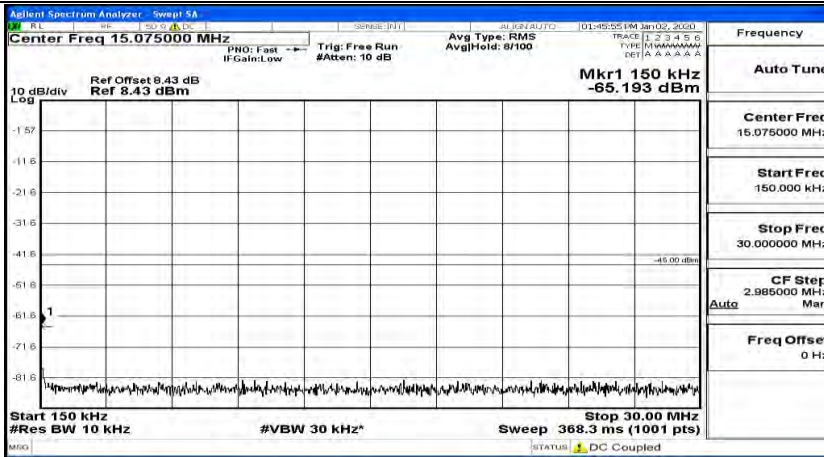
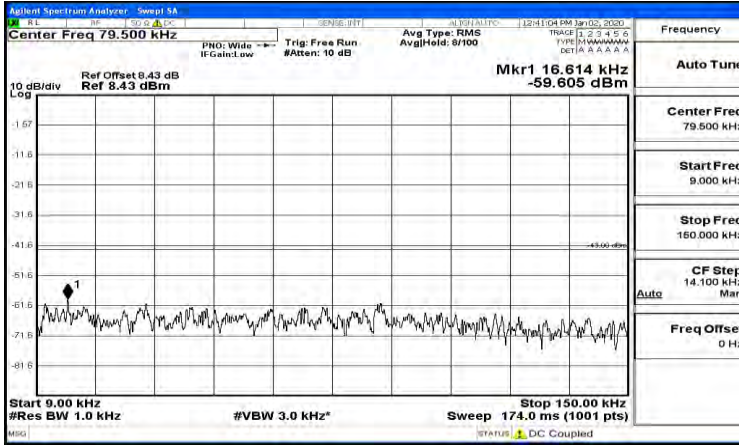
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



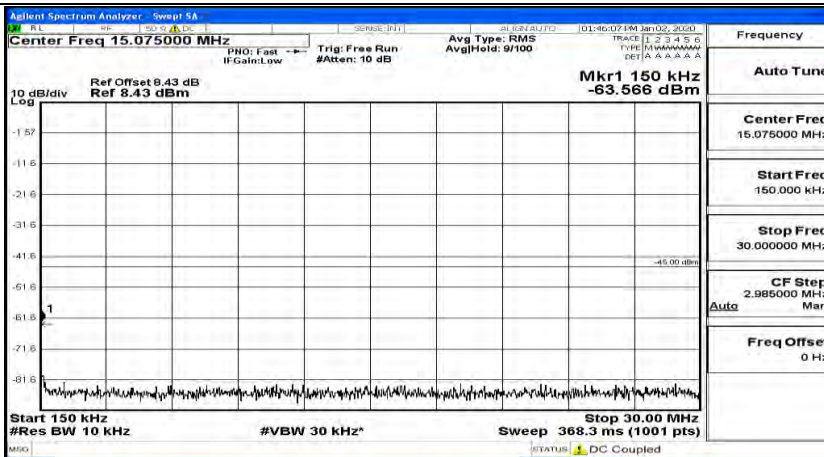
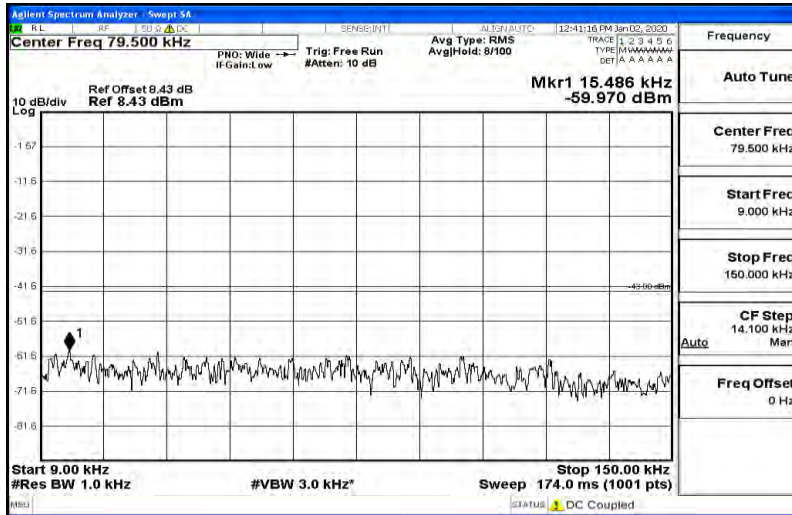
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



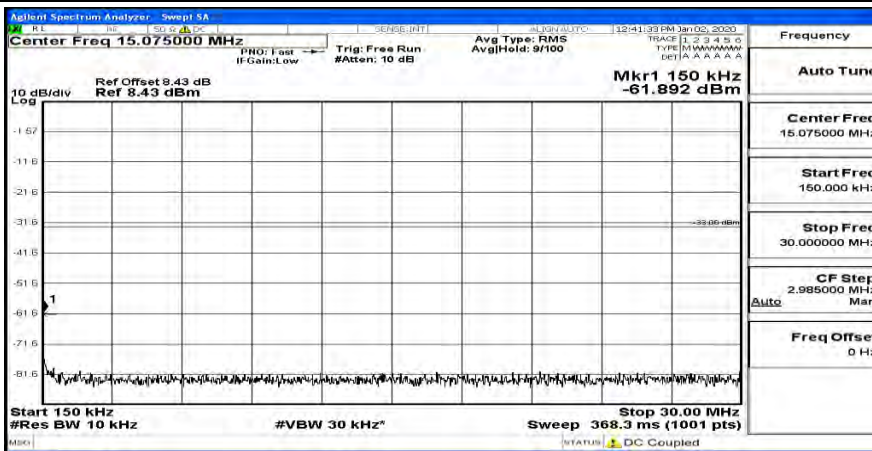
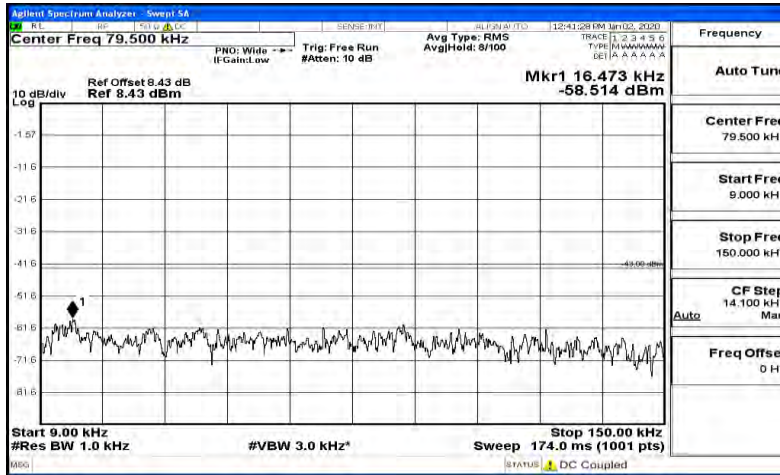
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



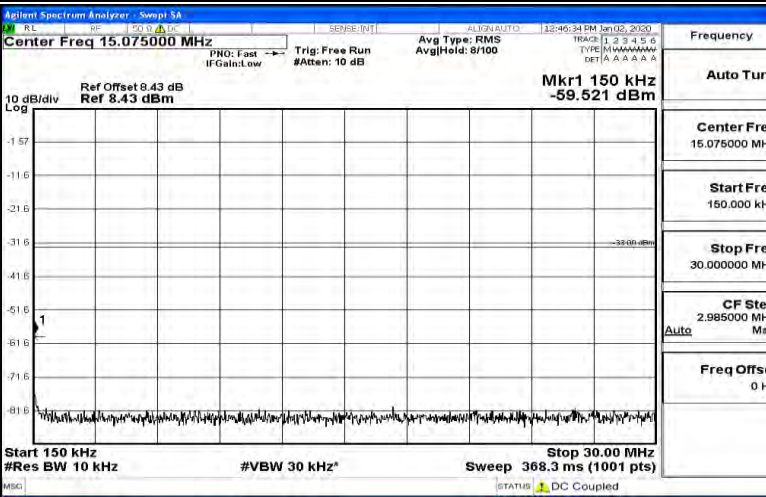
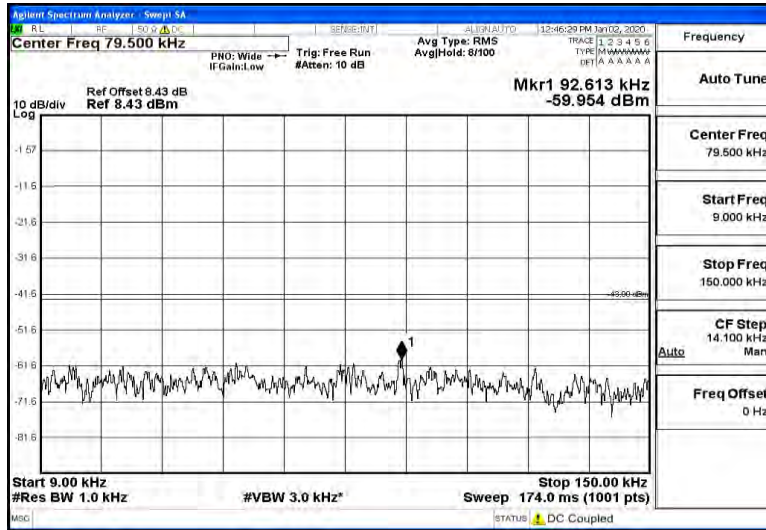
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



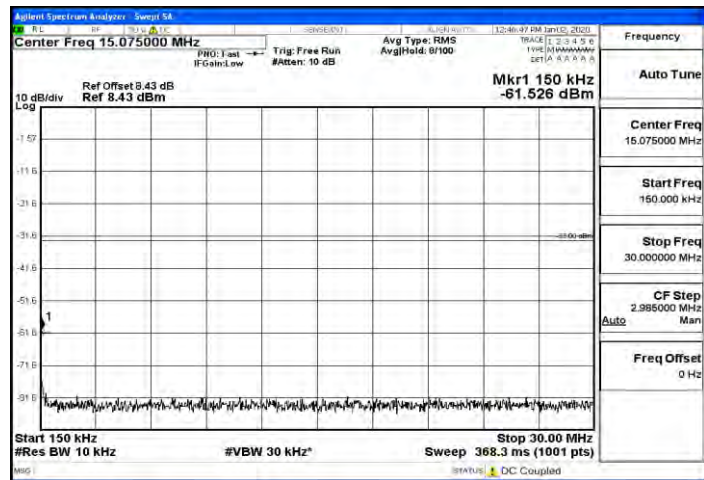
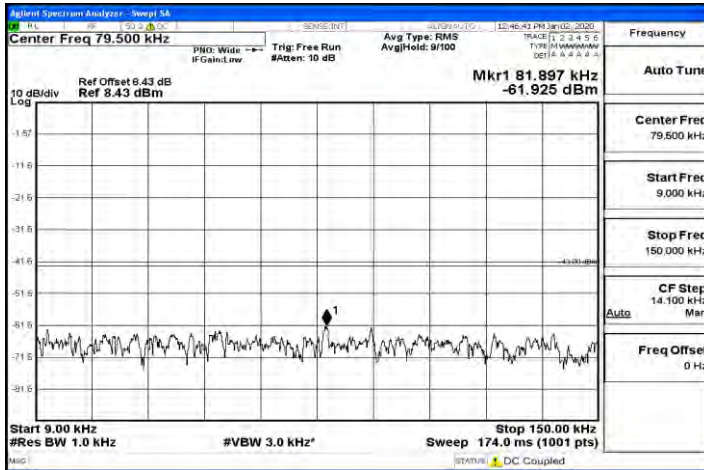
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



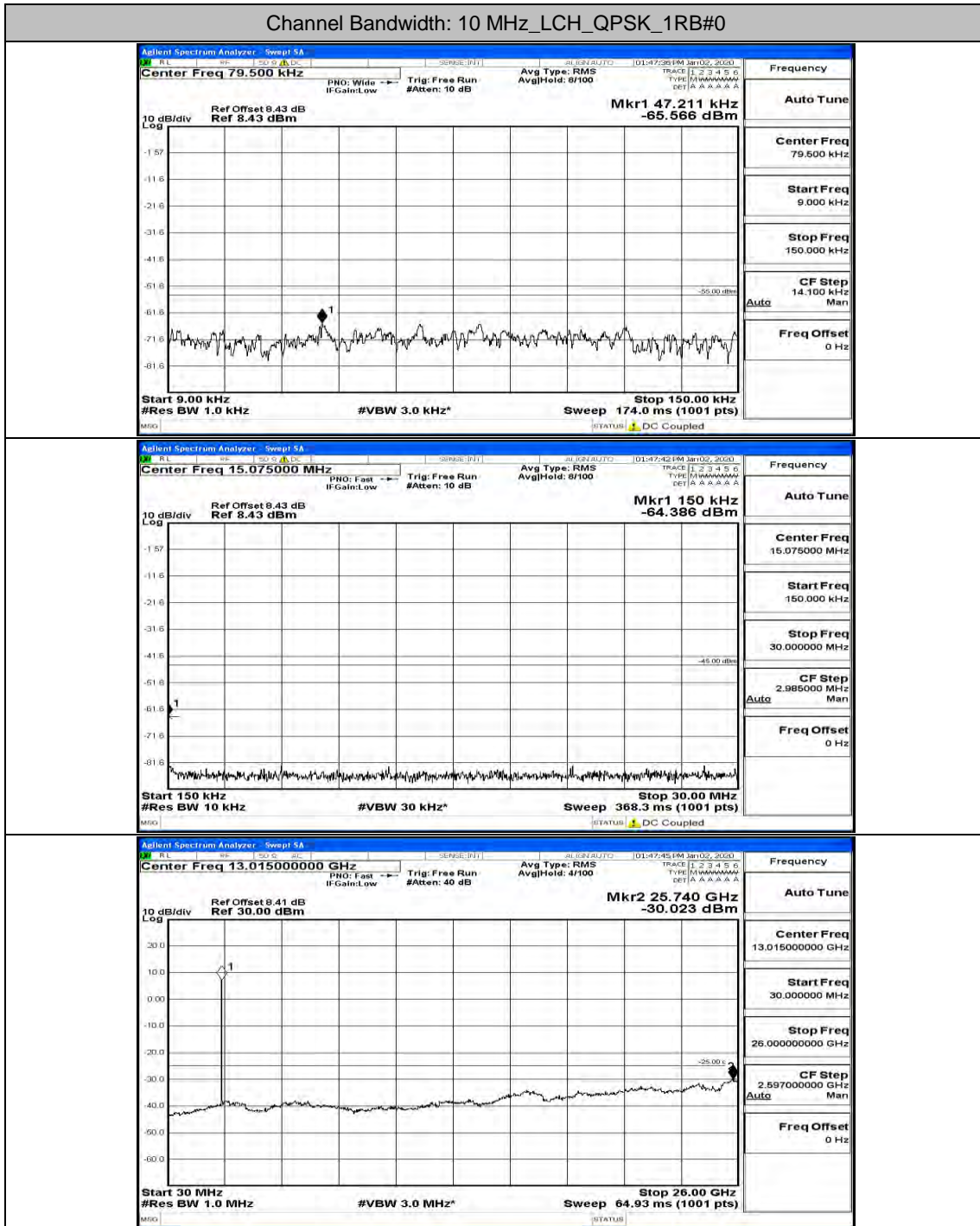
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



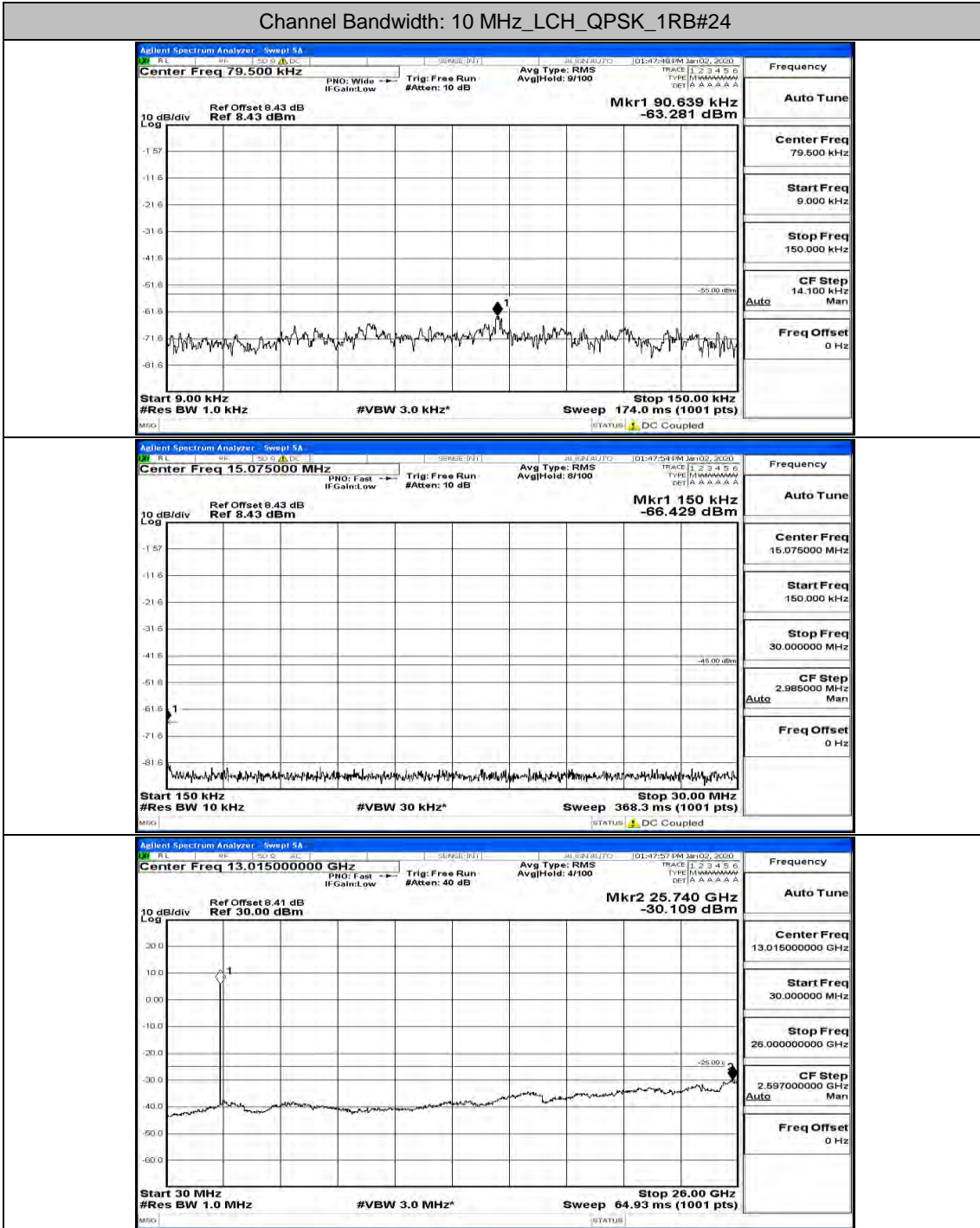
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz



Channel Bandwidth: 10 MHz LCH_QPSK_1RB#24



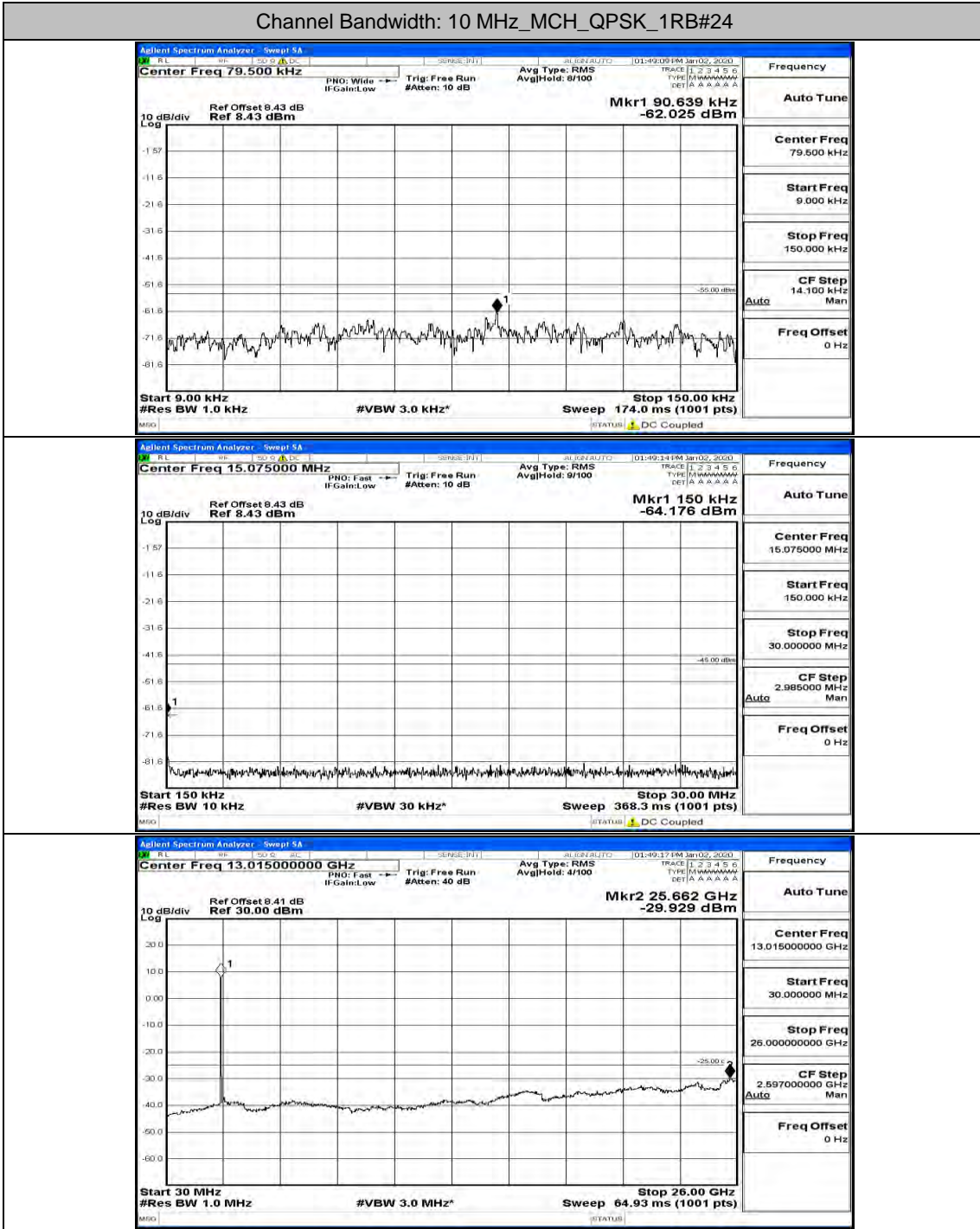
Channel Bandwidth: 10 MHz LCH_QPSK_1RB#49



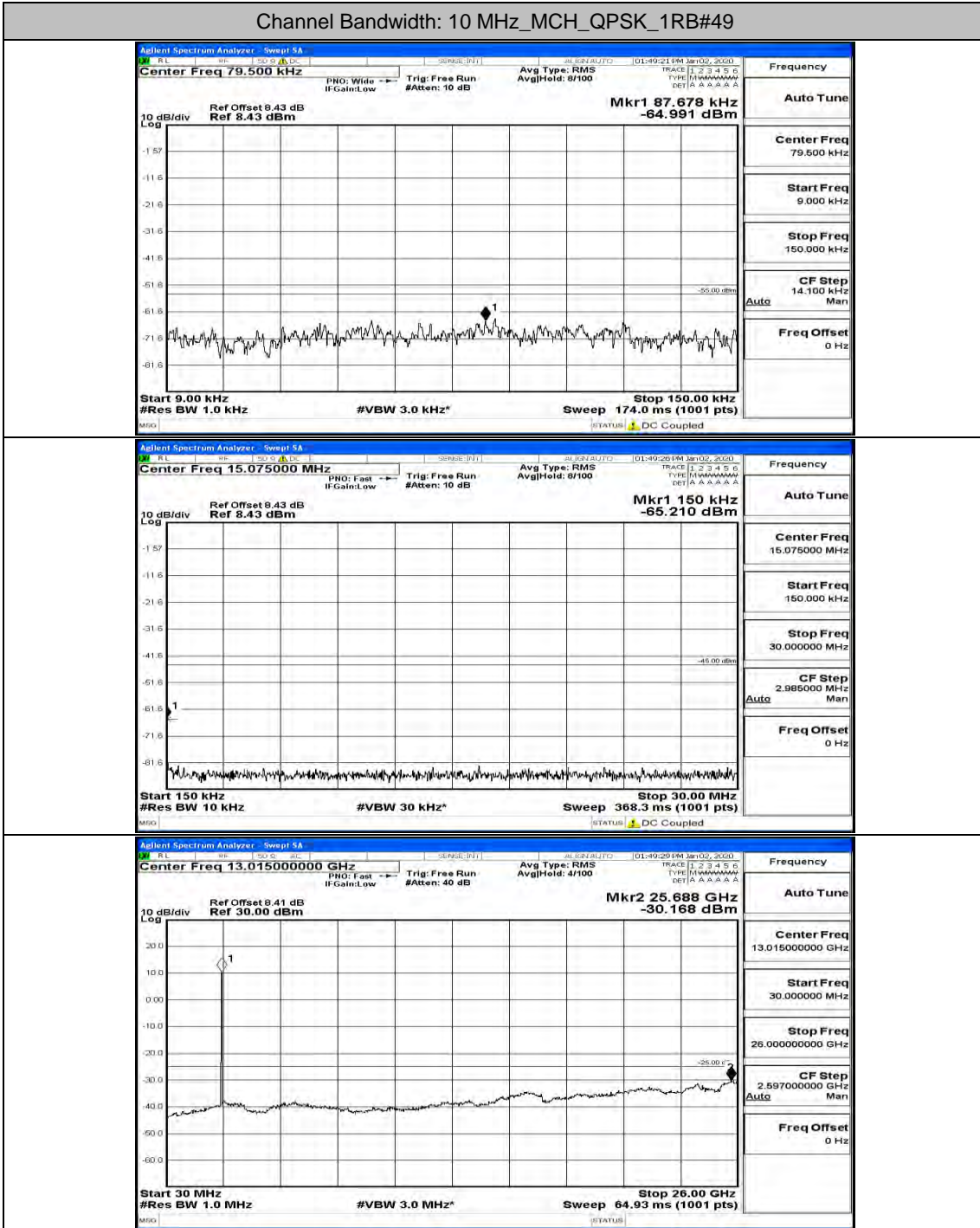
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0



Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24



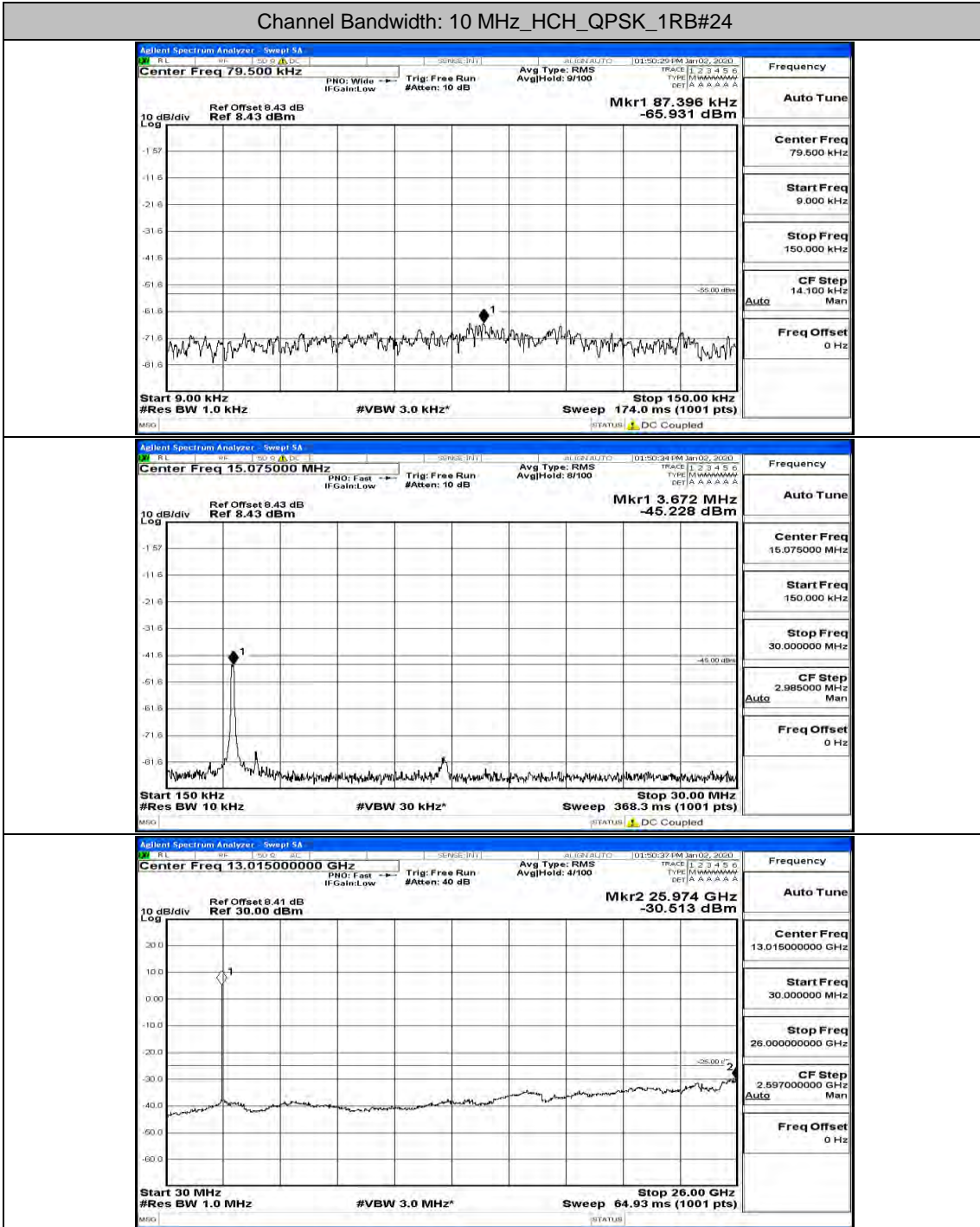
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49



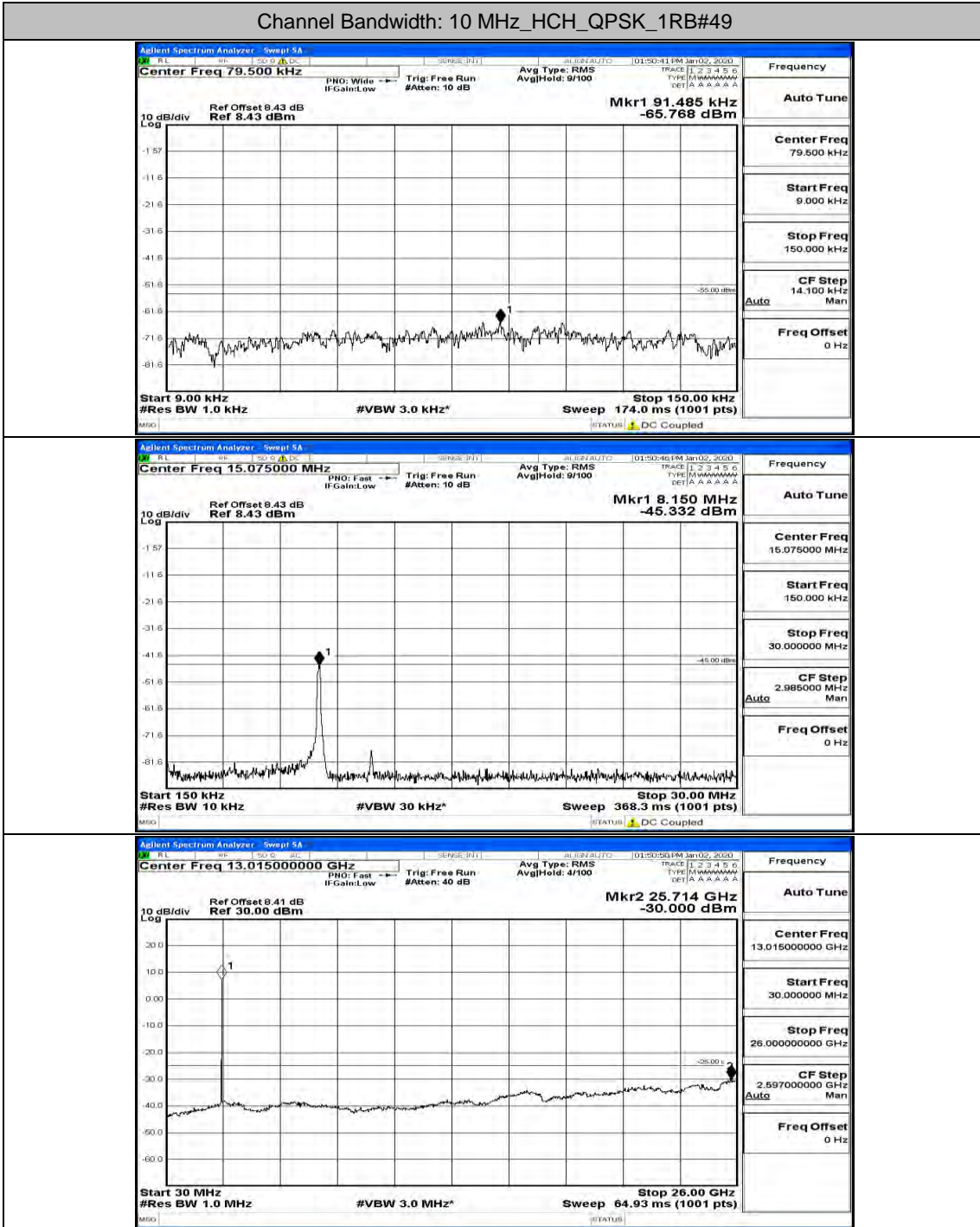
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



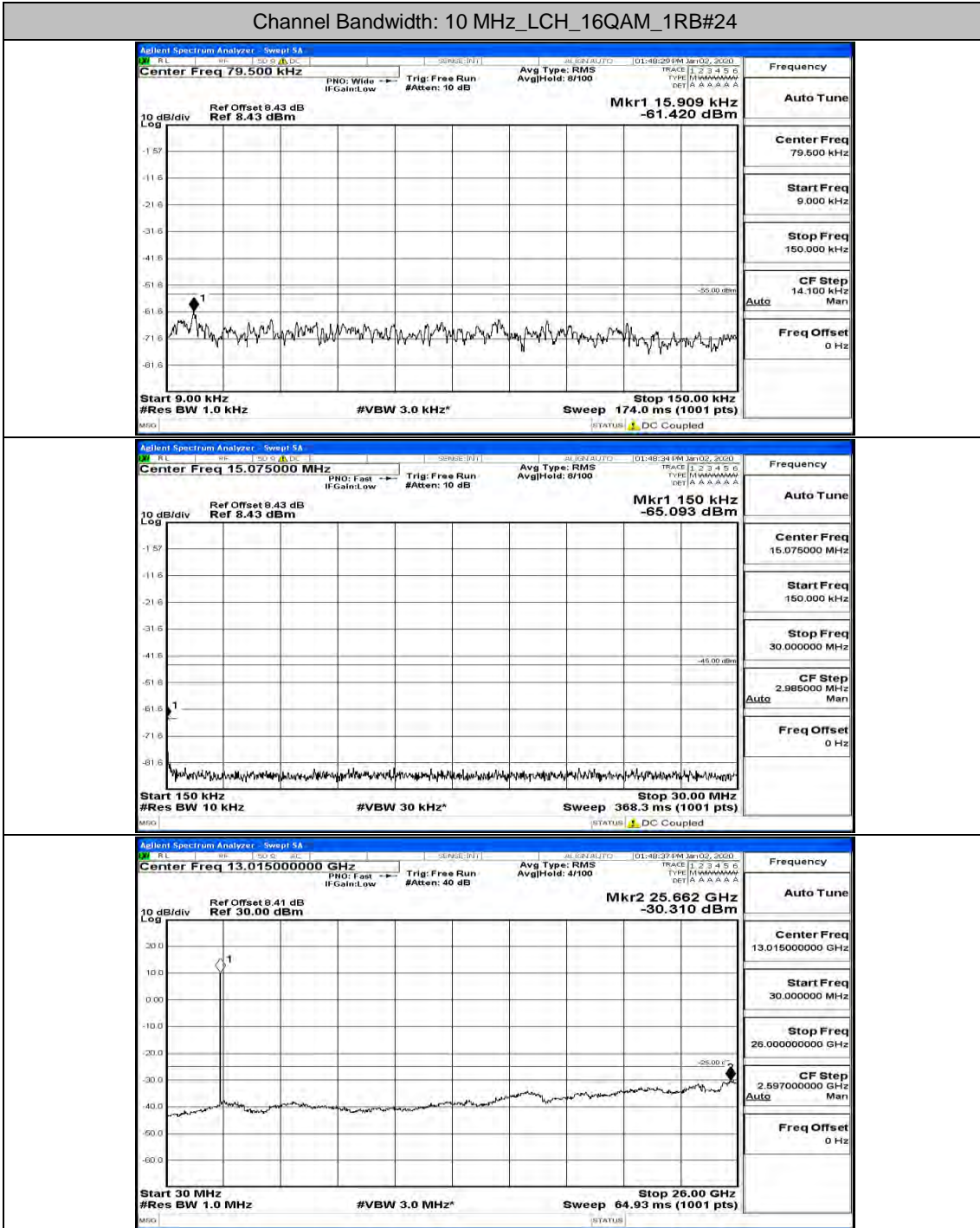
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



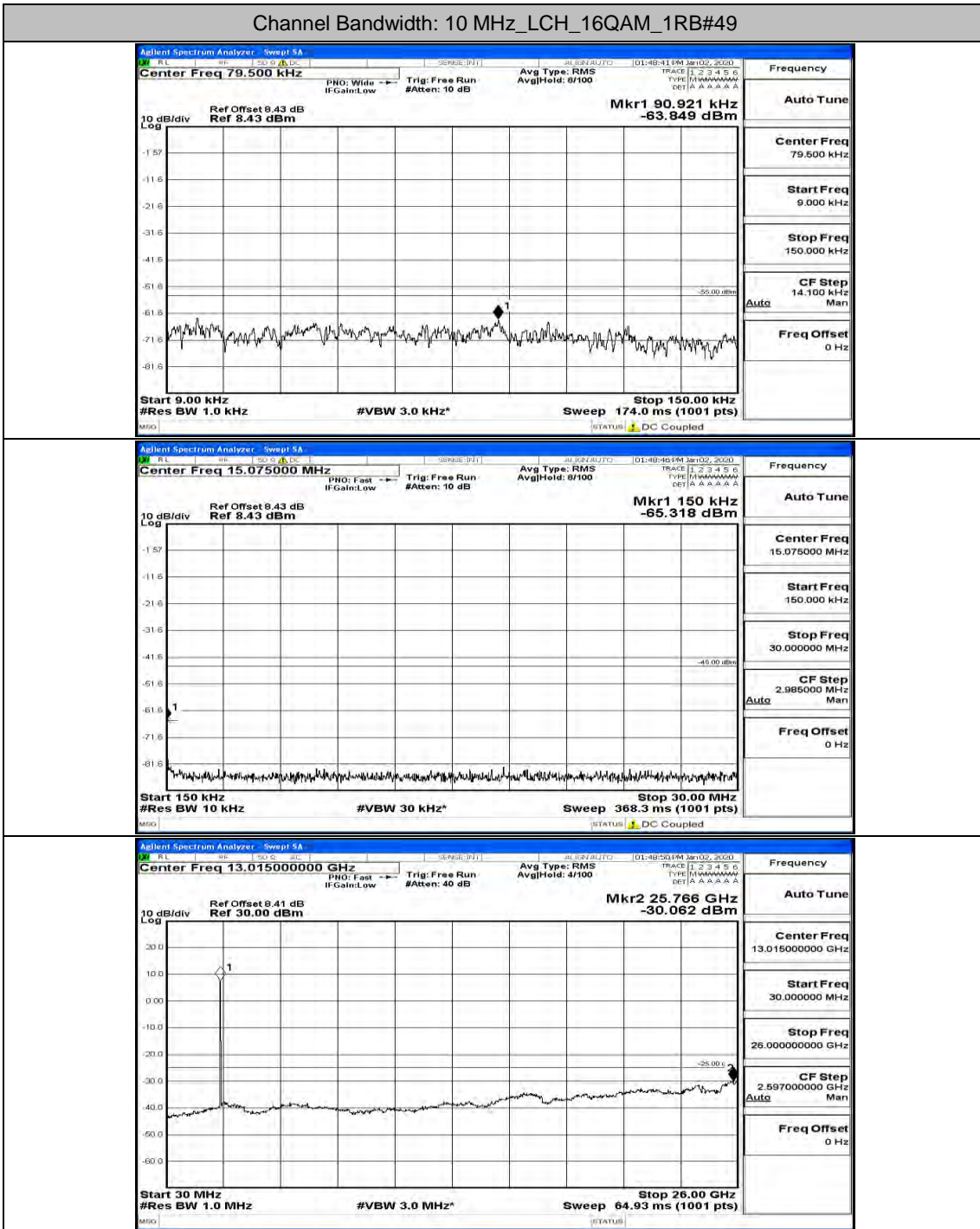
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



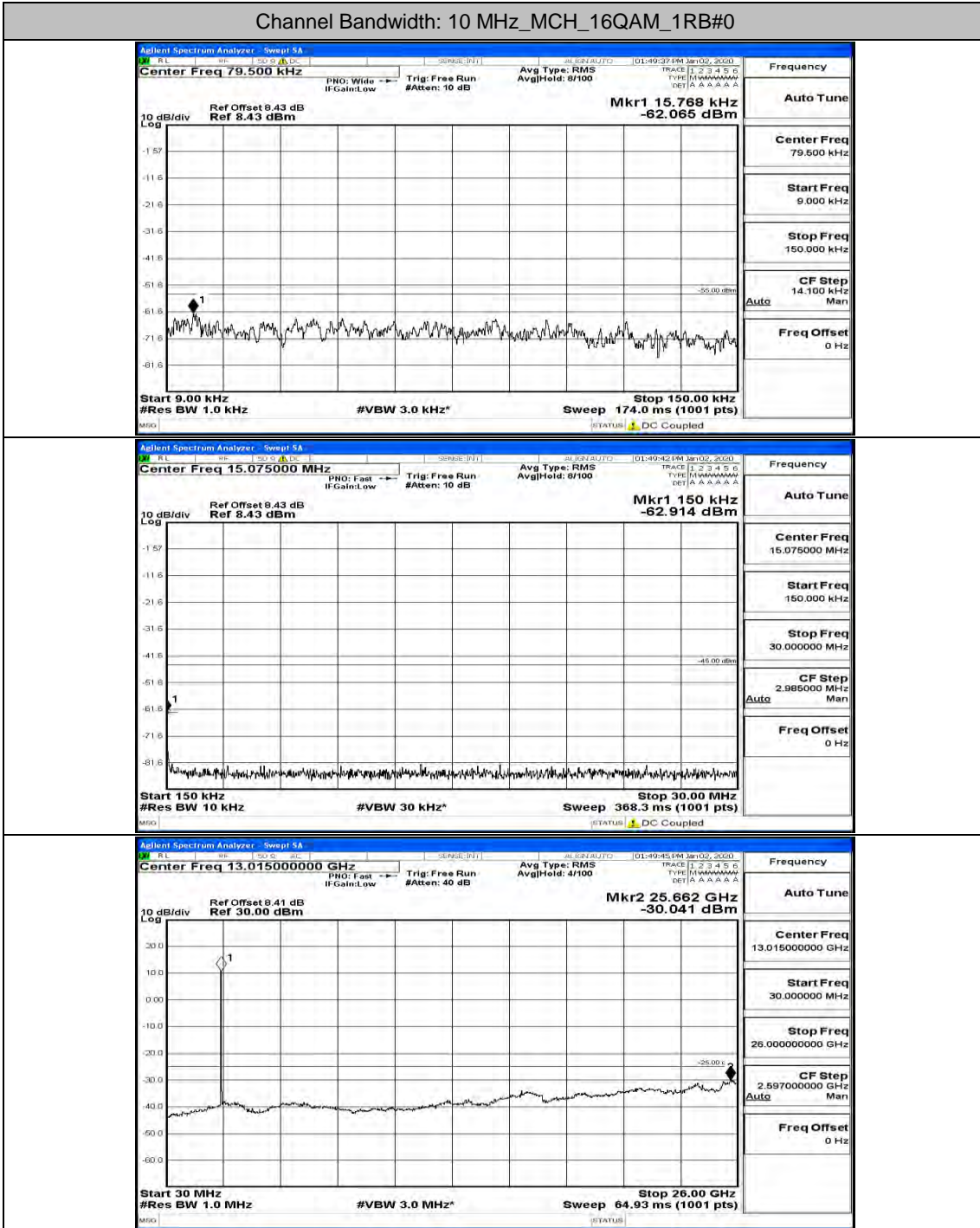
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



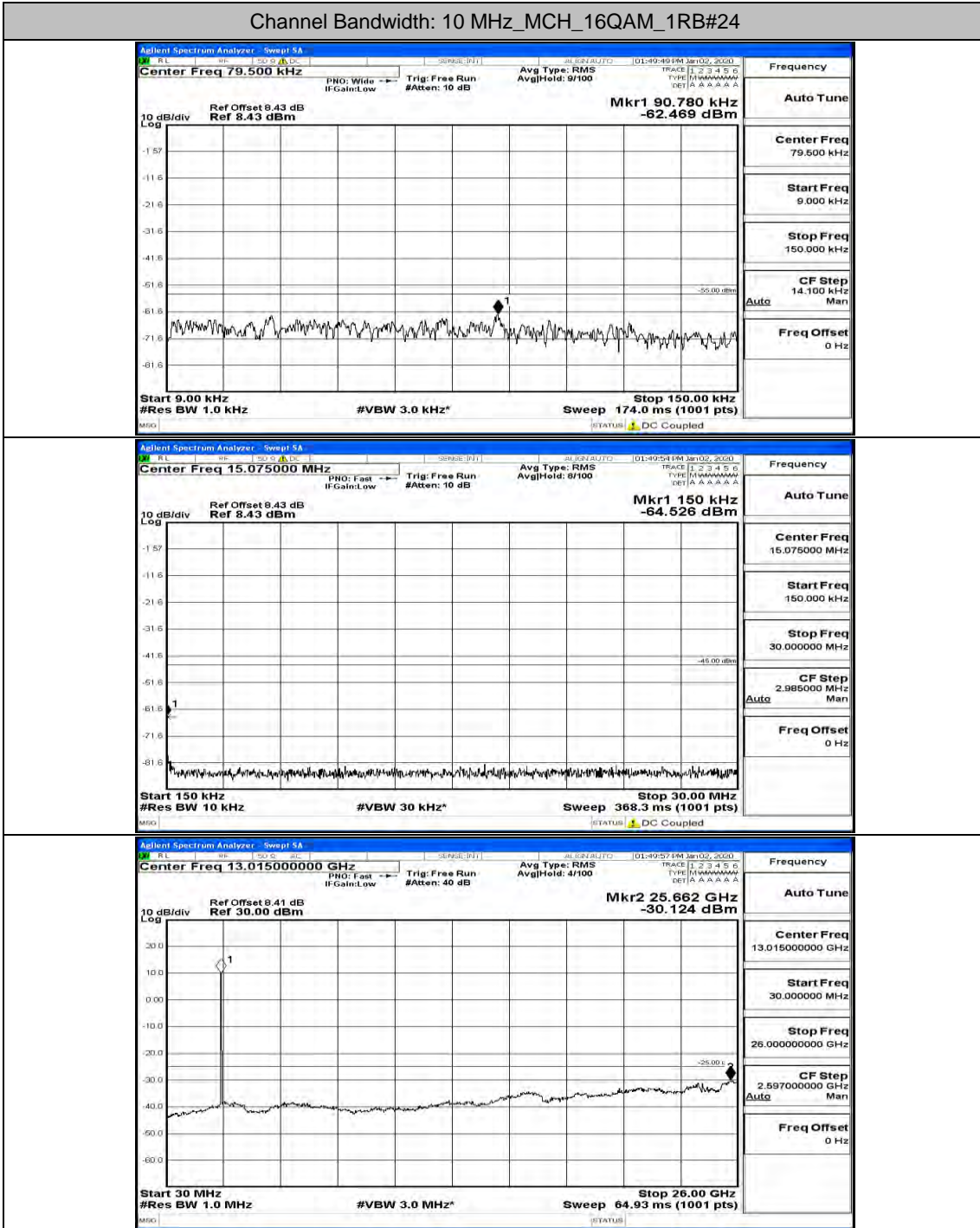
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49



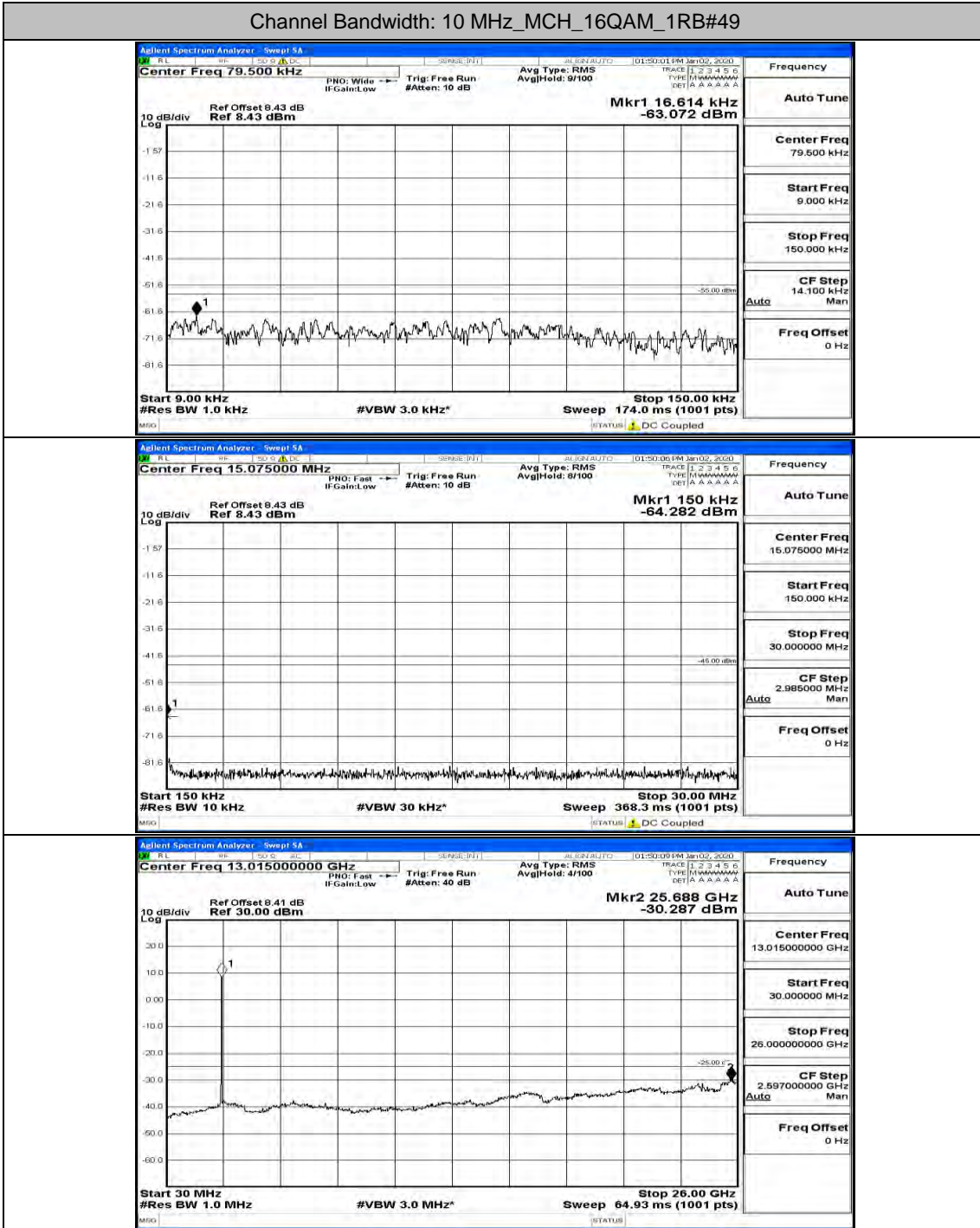
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



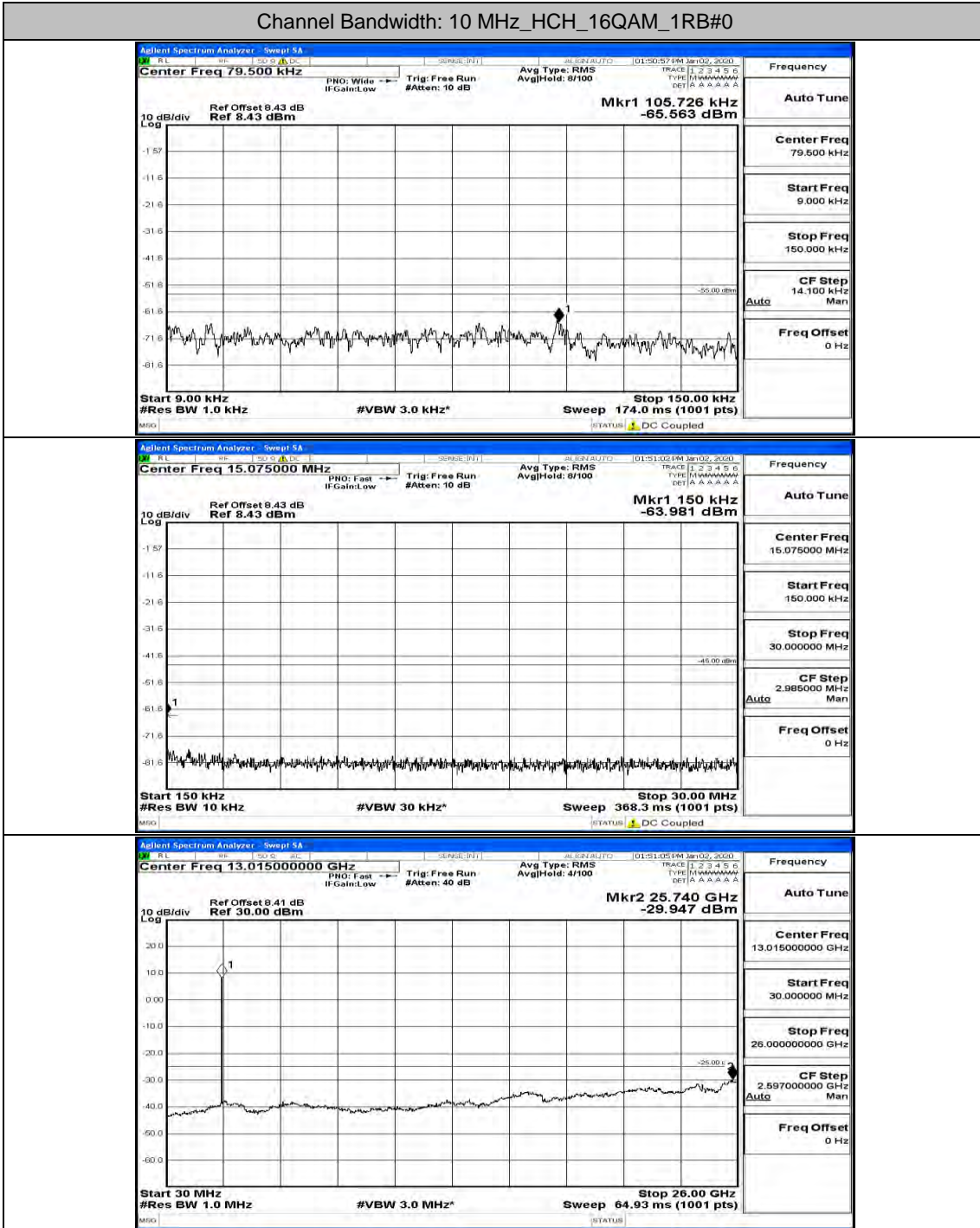
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24



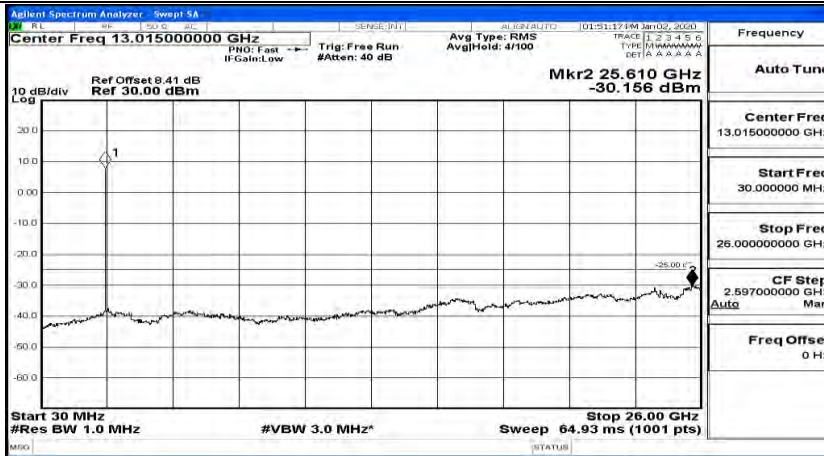
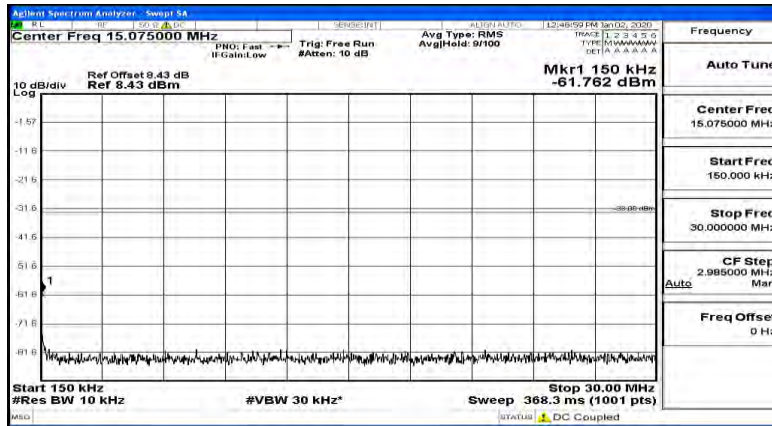
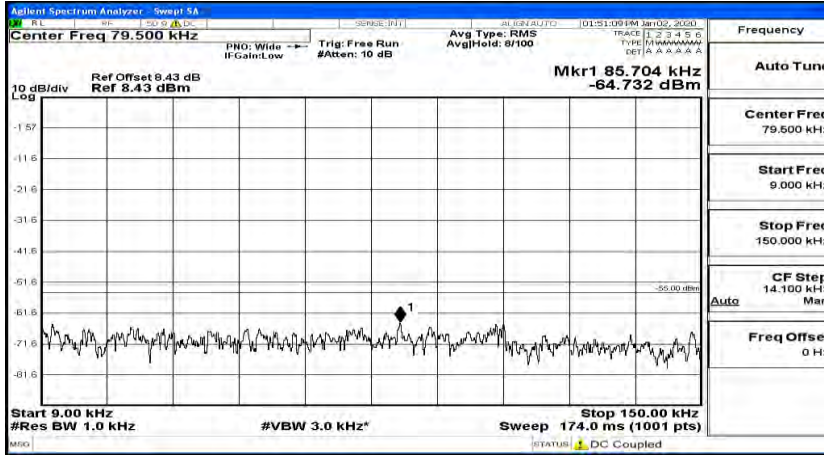
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49



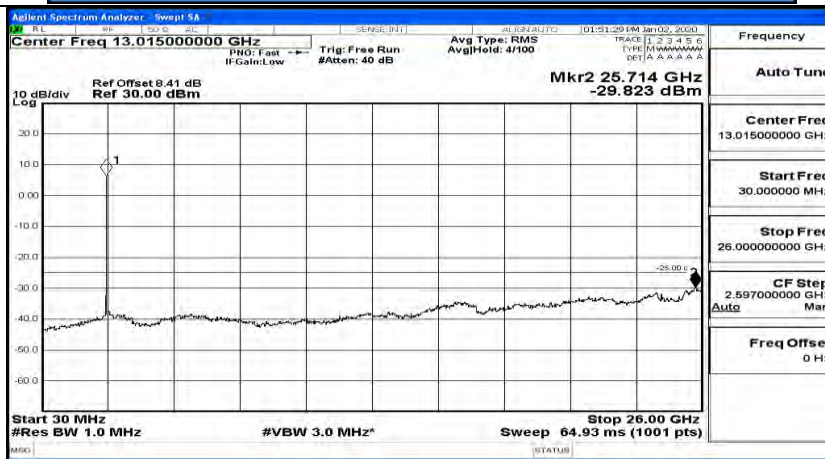
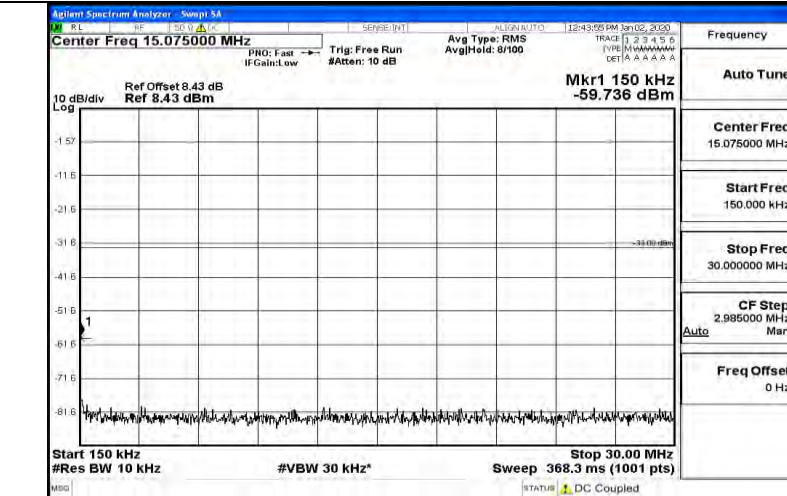
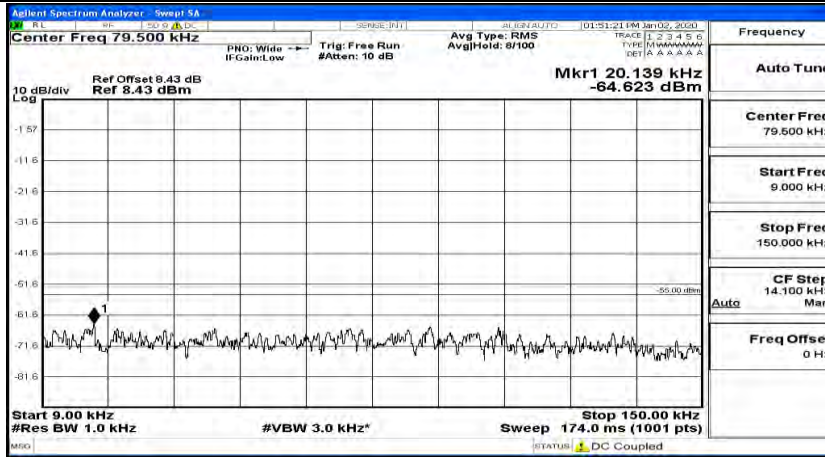
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24

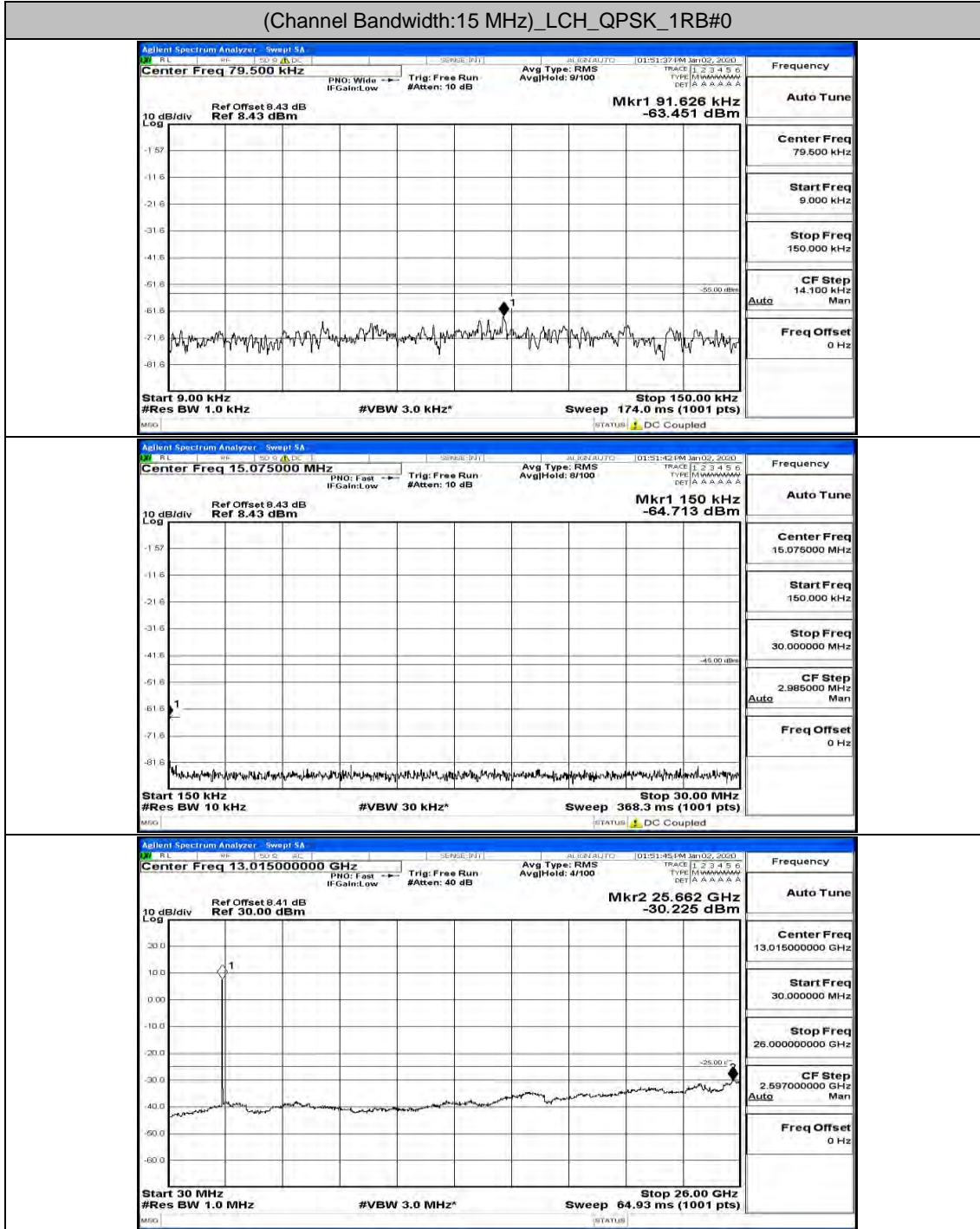


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49



Channel Bandwidth: 15 MHz

(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#37

