

## Appendix F: Test Data for E-UTRA Band 7

**Product Name: 10.1 inch 4G Tablet**  
**Trade Mark: LOGIC, iSWAG, UNONU**  
**Test Model: T10L**

### Environmental Conditions

Temperature:	23.5°C
Relative Humidity:	54.2%
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	23.17	21.81	PASS
		1	12	22.99	21.86	PASS
		1	24	22.12	21.14	PASS
		12	0	21.75	20.69	PASS
		12	6	21.67	20.62	PASS
		12	13	21.34	20.33	PASS
		25	0	21.50	20.43	PASS
	MCH	1	0	22.64	21.45	PASS
		1	12	23.01	22.08	PASS
		1	24	23.16	21.88	PASS
		12	0	21.84	20.72	PASS
		12	6	22.06	20.91	PASS
		12	13	22.07	20.96	PASS
		25	0	21.96	20.84	PASS
	HCH	1	0	21.39	20.18	PASS
		1	12	22.20	20.93	PASS
		1	24	22.65	21.14	PASS
		12	0	20.67	19.59	PASS
		12	6	20.94	19.83	PASS
		12	13	21.11	20.03	PASS
		25	0	20.86	19.81	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	22.72	21.81	PASS
		1	24	22.02	21.22	PASS
		1	49	20.72	19.64	PASS
		25	0	21.52	20.36	PASS
		25	12	21.02	19.95	PASS
		25	25	20.32	19.25	PASS
		50	0	20.91	19.83	PASS
	MCH	1	0	21.87	21.19	PASS
		1	24	22.60	22.18	PASS
		1	49	22.75	22.00	PASS
		25	0	21.70	20.48	PASS
		25	12	22.00	20.83	PASS
		25	25	22.15	20.96	PASS
		50	0	21.79	20.72	PASS
	HCH	1	0	20.31	19.41	PASS
		1	24	21.53	20.47	PASS
		1	49	22.39	21.34	PASS
		25	0	19.78	18.75	PASS
		25	12	20.25	19.16	PASS
		25	25	20.78	19.70	PASS
		50	0	20.20	19.15	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	22.61	21.74	PASS
		1	37	21.03	20.54	PASS
		1	74	19.74	18.74	PASS
		37	0	21.54	20.28	PASS
		37	18	20.66	19.43	PASS
		37	38	19.55	18.44	PASS
		75	0	20.60	19.44	PASS
	MCH	1	0	21.36	20.44	PASS
		1	37	22.47	22.29	PASS
		1	74	22.19	21.45	PASS
		37	0	21.70	20.39	PASS
		37	18	22.28	20.98	PASS
		37	38	22.30	21.05	PASS
		75	0	22.00	20.74	PASS
	HCH	1	0	19.76	18.93	PASS
		1	37	21.10	19.99	PASS
		1	74	22.40	21.27	PASS
		37	0	19.26	18.20	PASS
		37	18	19.93	18.78	PASS
		37	38	20.74	19.50	PASS
		75	0	20.03	18.88	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	22.64	21.75	PASS
		1	49	20.40	19.78	PASS
		1	99	19.86	18.56	PASS
		50	0	20.78	19.73	PASS
		50	25	19.58	18.58	PASS
		50	50	18.87	17.88	PASS
		100	0	19.89	18.88	PASS
	MCH	1	0	20.96	19.88	PASS
		1	49	22.59	22.23	PASS
		1	99	21.35	20.84	PASS
		50	0	21.14	19.91	PASS
		50	25	21.80	20.63	PASS
		50	50	21.73	20.61	PASS
		100	0	21.42	20.28	PASS
	HCH	1	0	19.74	19.27	PASS
		1	49	20.63	19.47	PASS
		1	99	22.26	21.15	PASS
		50	0	18.82	17.87	PASS
		50	25	19.31	18.33	PASS
		50	50	19.95	18.86	PASS
		100	0	19.43	18.40	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	3.55	<13	PASS
	MCH	3.17	<13	PASS
	HCH	3.51	<13	PASS
16QAM	LCH	4.4	<13	PASS
	MCH	4.12	<13	PASS
	HCH	4.37	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.14	<13	PASS
	MCH	3.77	<13	PASS
	HCH	4.17	<13	PASS
16QAM	LCH	4.88	<13	PASS
	MCH	4.54	<13	PASS
	HCH	4.96	<13	PASS

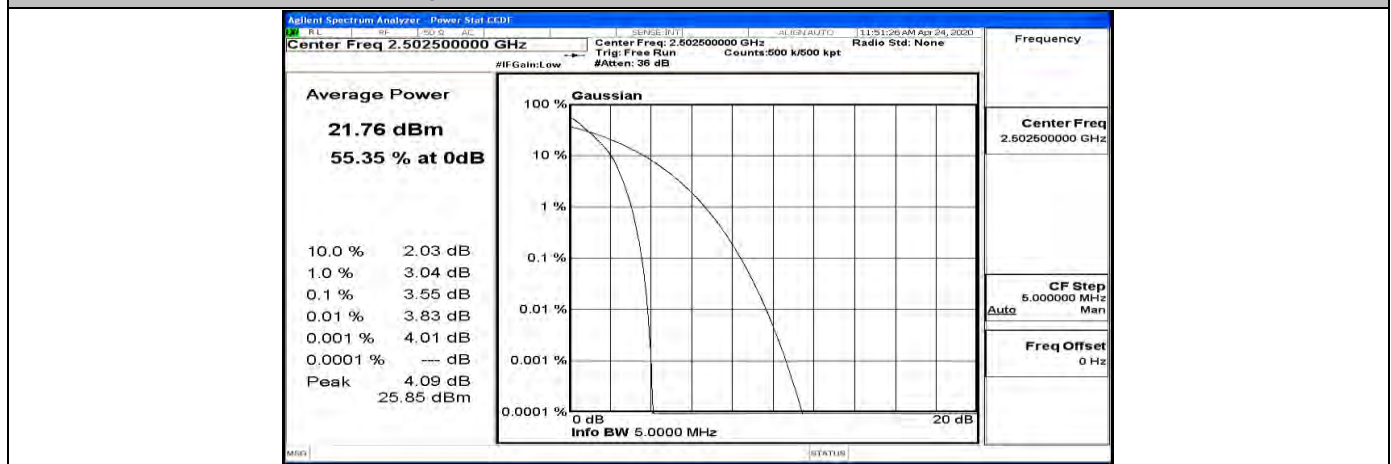
## Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)

Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.98	<13	PASS
	MCH	4.98	<13	PASS
	HCH	4.98	<13	PASS
16QAM	LCH	5.93	<13	PASS
	MCH	5.71	<13	PASS
	HCH	5.88	<13	PASS

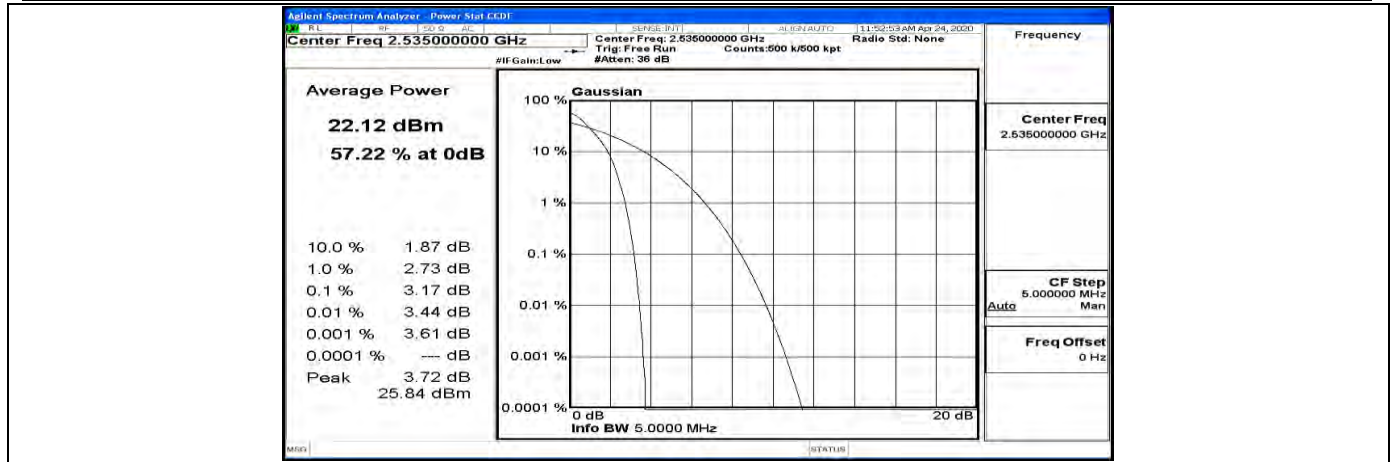
## Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)

Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.94	<13	PASS
	MCH	5.85	<13	PASS
	HCH	5.81	<13	PASS
16QAM	LCH	6.75	<13	PASS
	MCH	6.47	<13	PASS
	HCH	6.54	<13	PASS

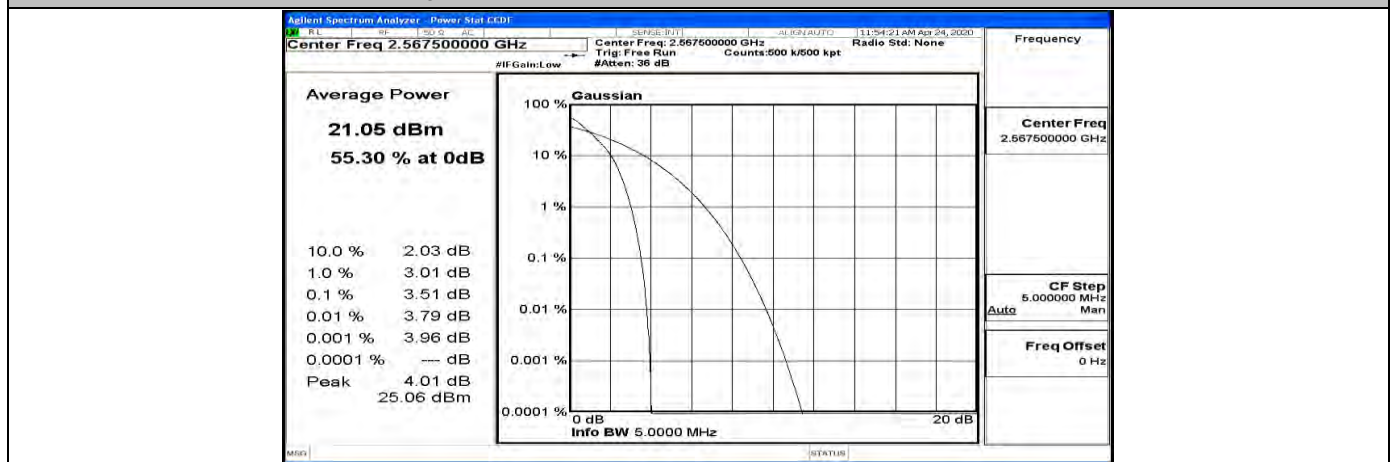
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_QPSK



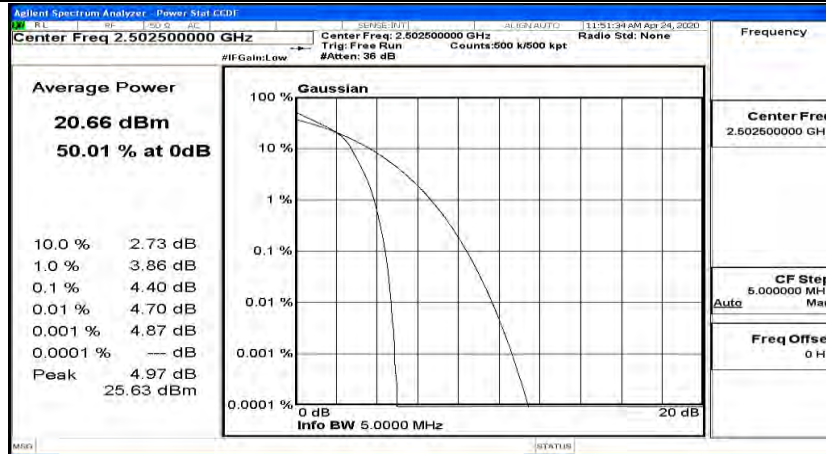
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_QPSK



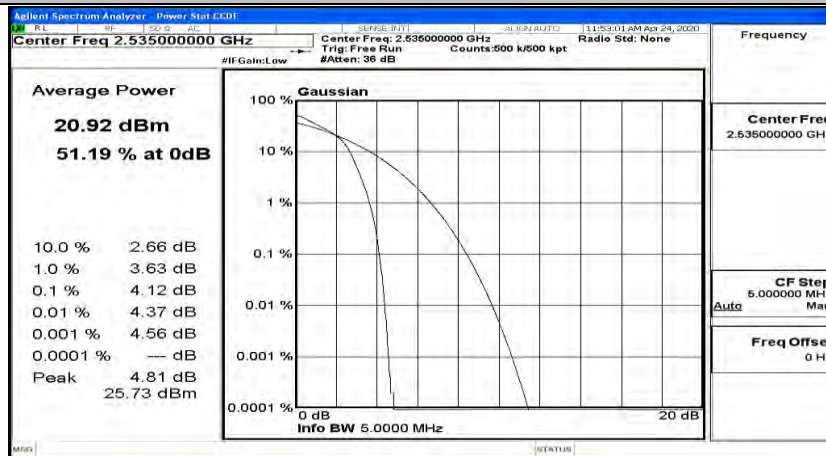
## Peak-to-Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_QPSK



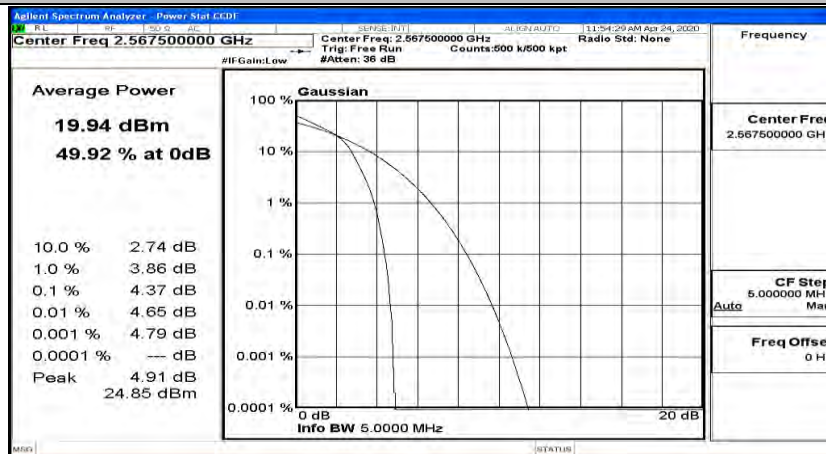
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_16QAM



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

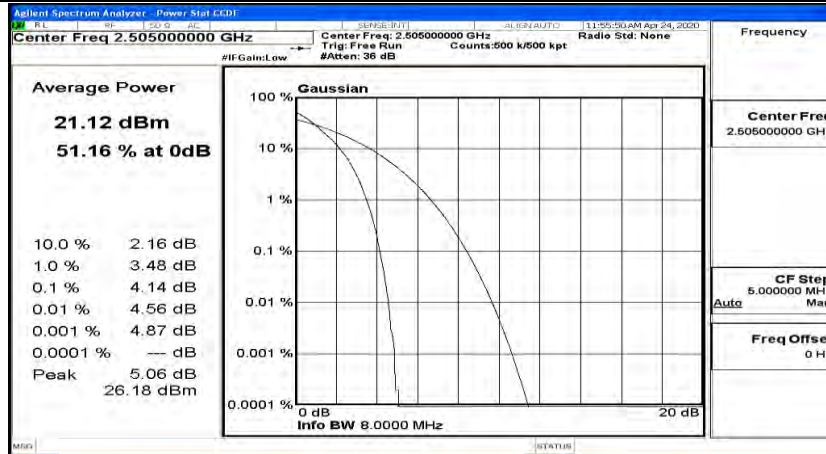


## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM

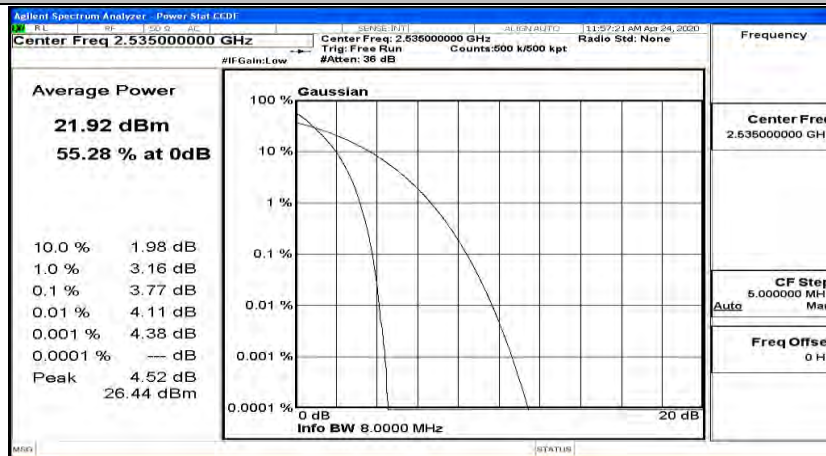




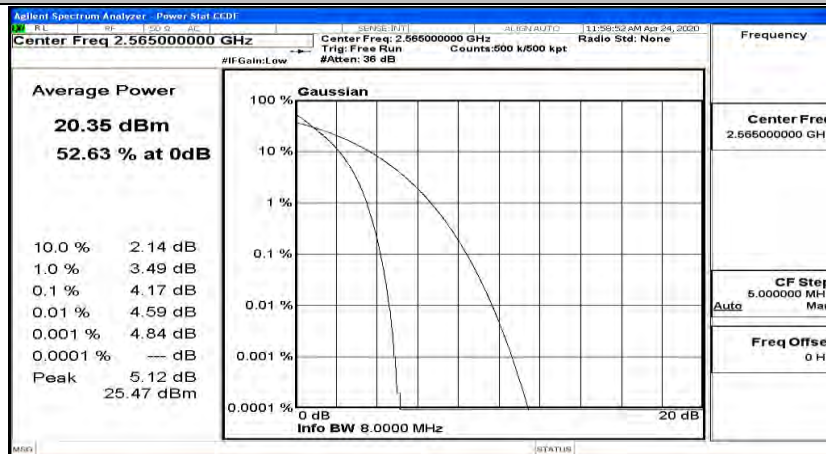
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz) \_LCH\_QPSK



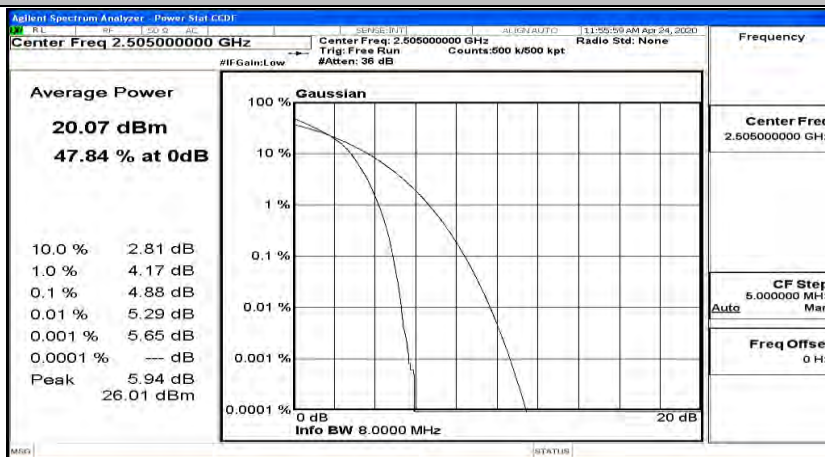
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz) \_MCH\_QPSK



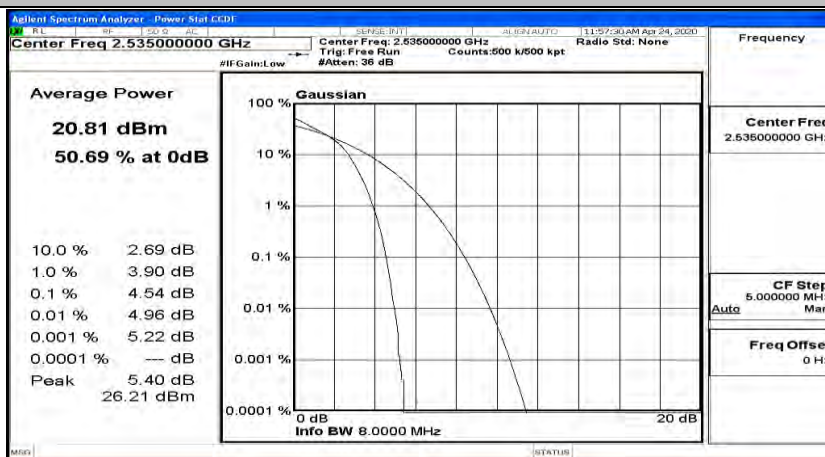
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz) \_HCH\_QPSK



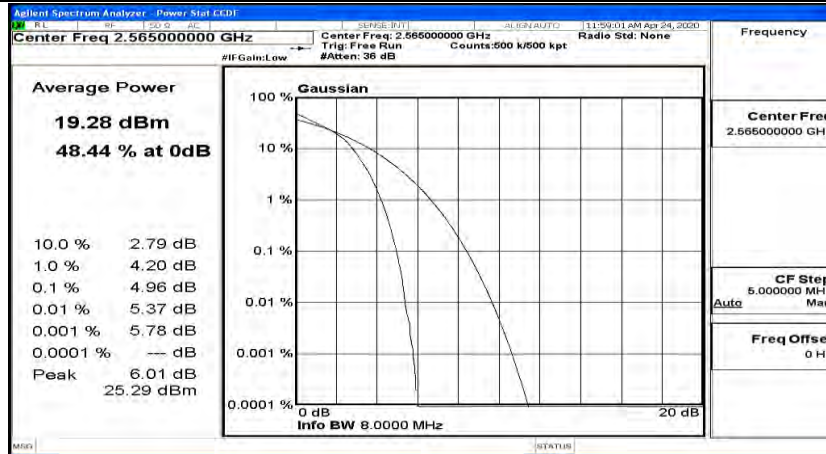
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_16QAM



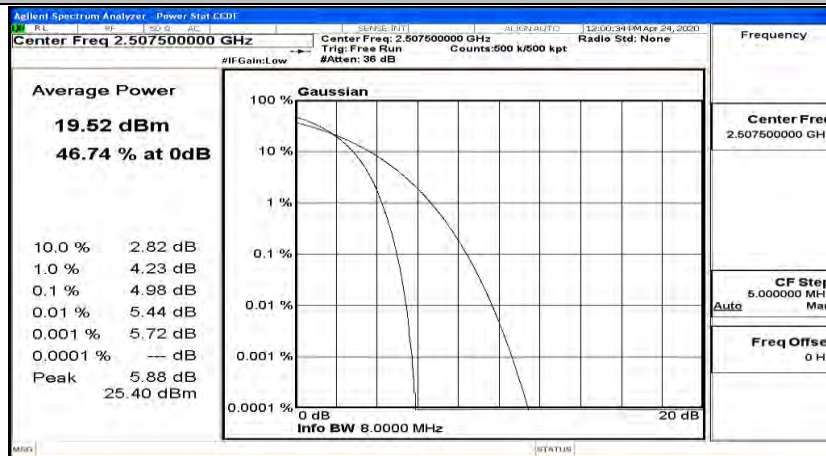
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_16QAM



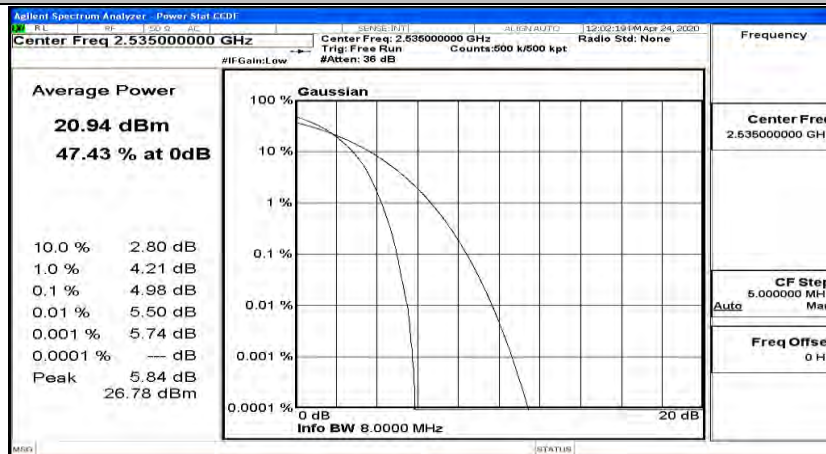
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_16QAM



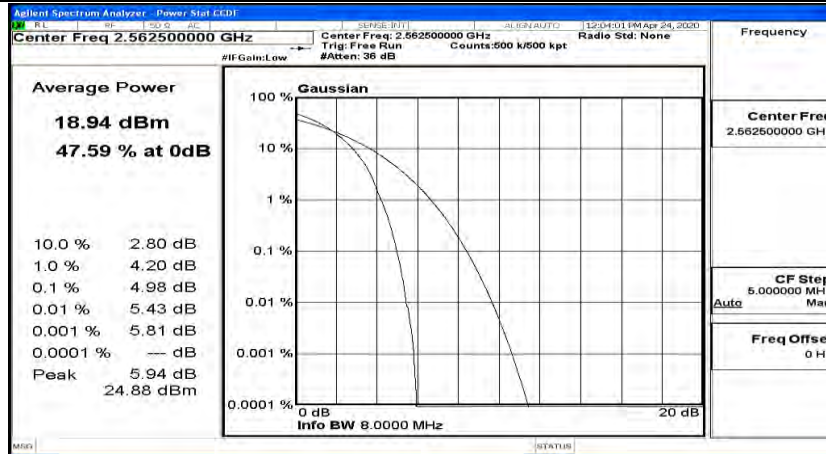
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_QPSK



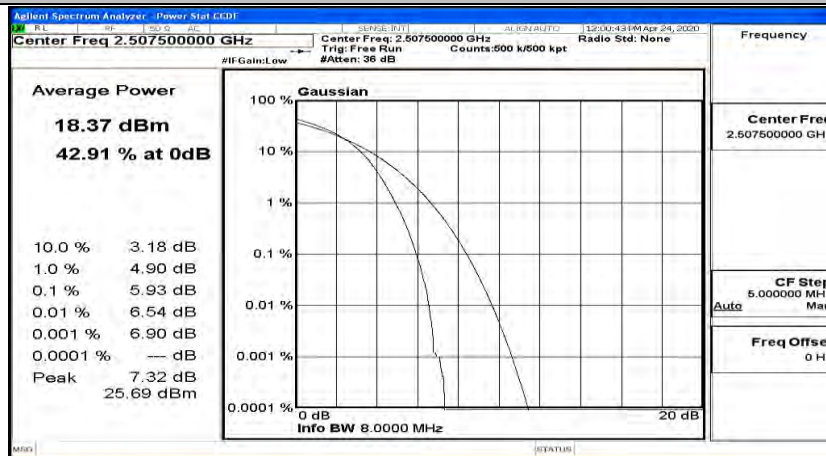
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_MCH\_QPSK



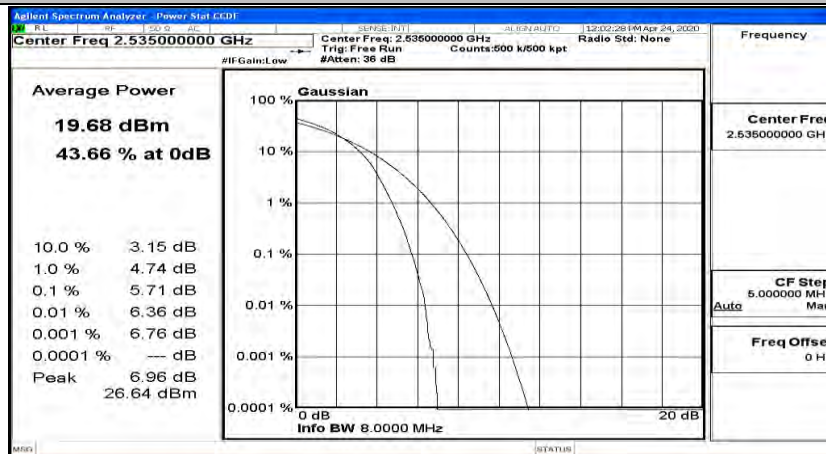
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_QPSK



## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_16QAM

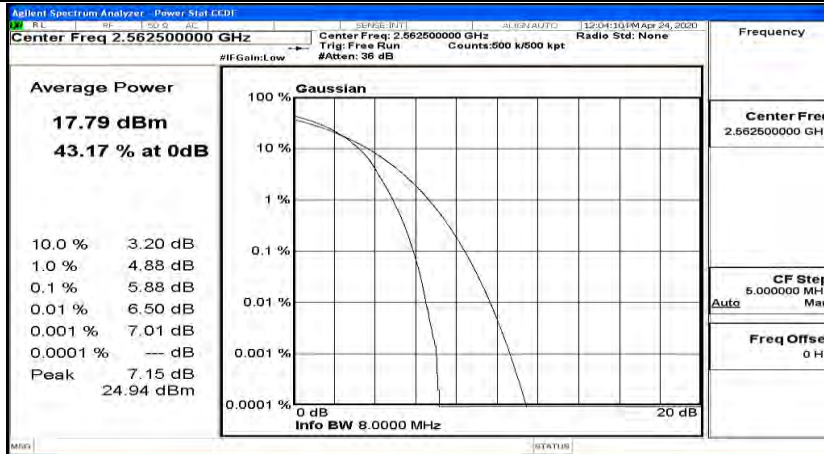


## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_MCH\_16QAM

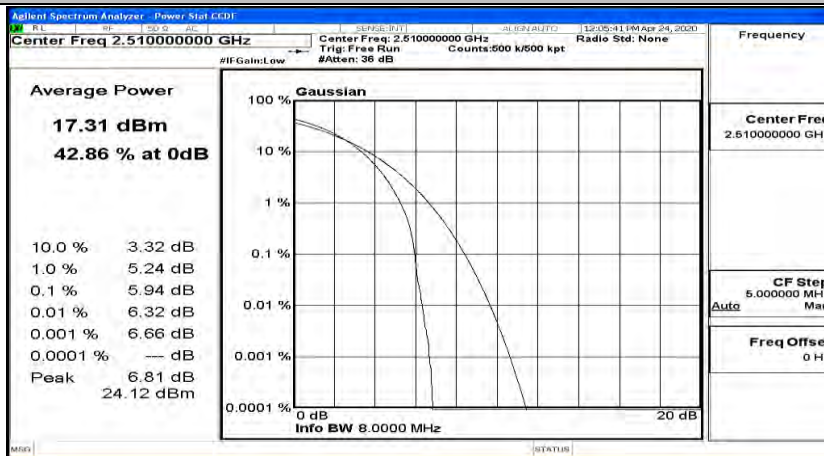




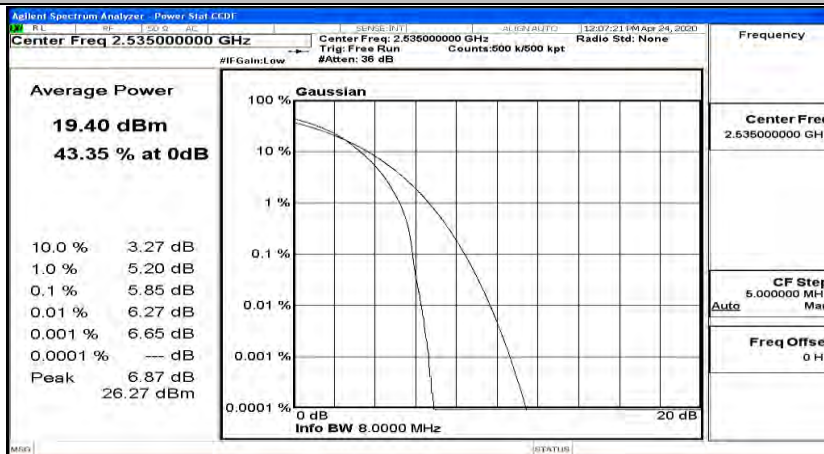
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_16QAM



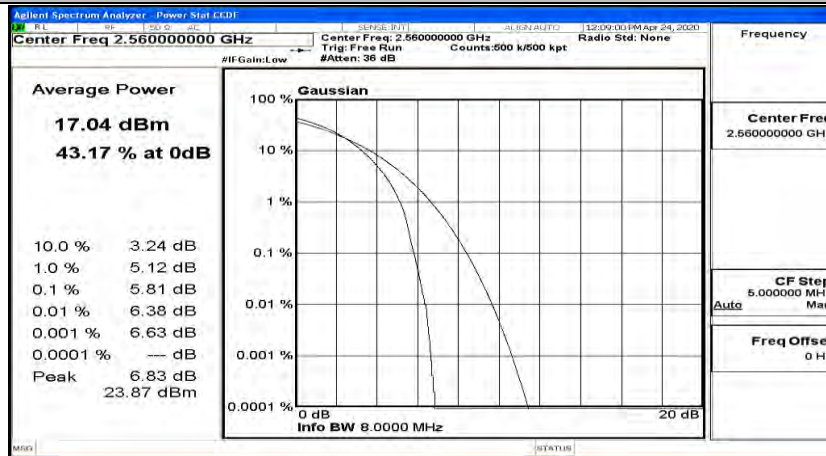
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_QPSK



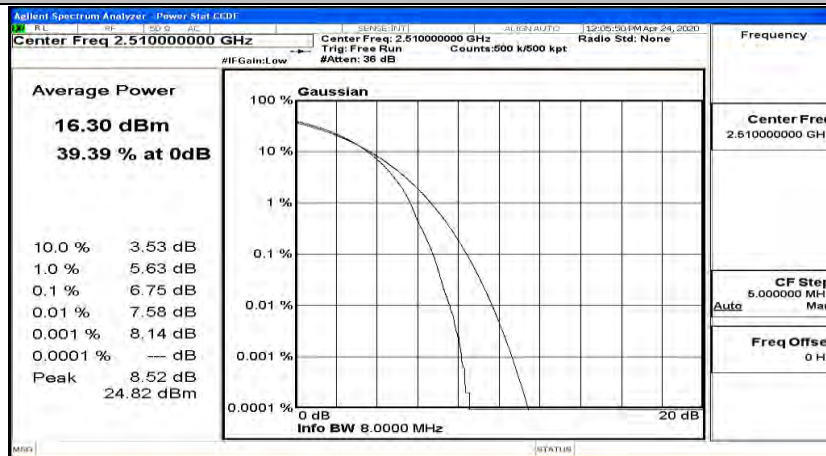
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)\_MCH\_QPSK



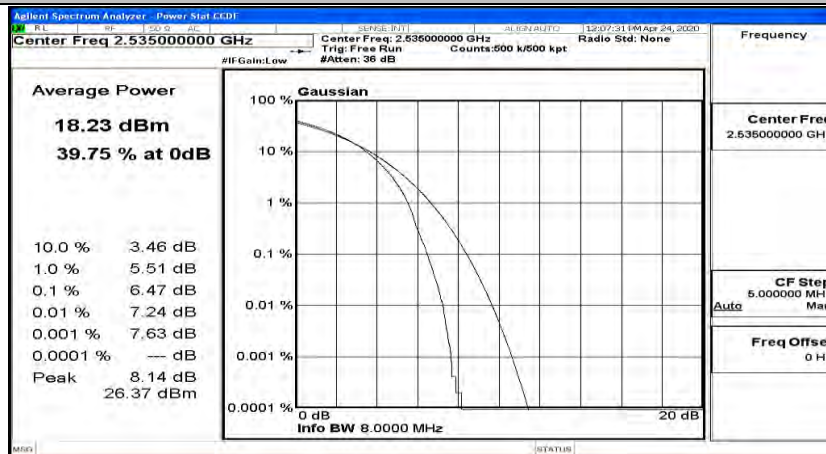
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_QPSK



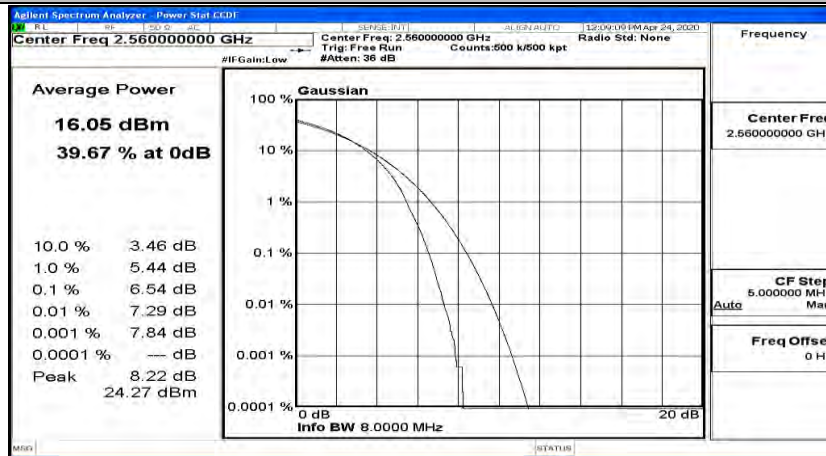
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_16QAM



## 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	4.4891	5.303	PASS
	MCH	4.5062	7.992	PASS
	HCH	4.5032	6.755	PASS
16QAM	LCH	4.4927	5.442	PASS
	MCH	4.5006	6.205	PASS
	HCH	4.4966	5.428	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9487	9.955	PASS
	MCH	8.9888	14.82	PASS
	HCH	8.9566	10.41	PASS
16QAM	LCH	8.9411	9.549	PASS
	MCH	8.9720	11.78	PASS
	HCH	8.9533	9.652	PASS

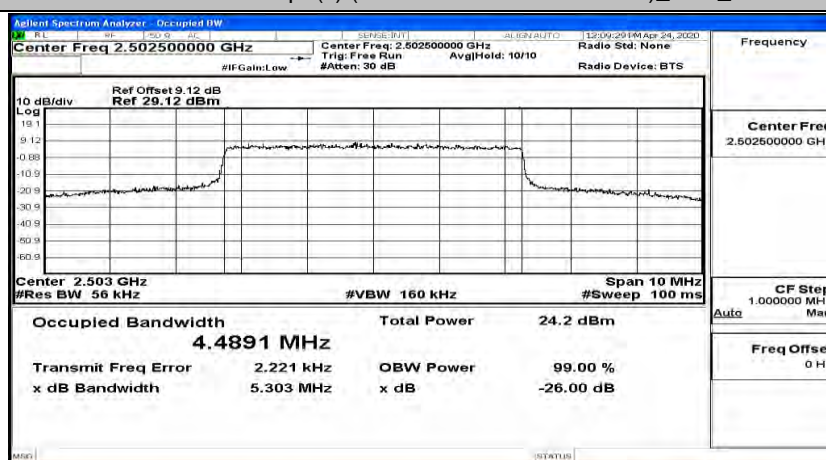


**EBW & OBW Test Result (Channel Bandwidth: 15 MHz)**

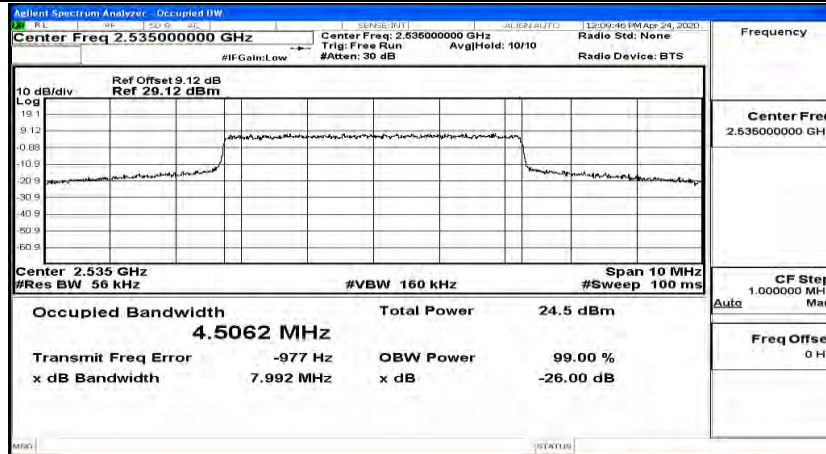
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	13.446	17.92	PASS
	MCH	13.545	28.58	PASS
	HCH	13.464	19.85	PASS
16QAM	LCH	13.431	14.25	PASS
	MCH	13.453	21.89	PASS
	HCH	13.418	15.40	PASS

**EBW & OBW Test Result (Channel Bandwidth: 20 MHz)**

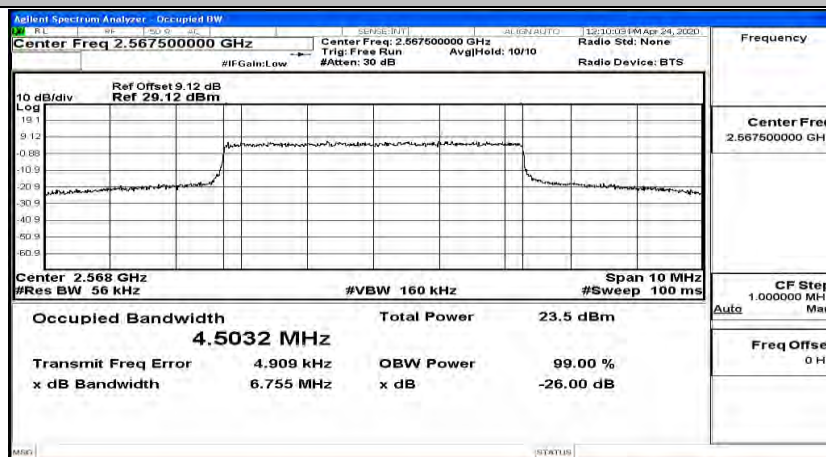
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	17.911	18.88	PASS
	MCH	17.893	25.26	PASS
	HCH	17.889	18.82	PASS
16QAM	LCH	17.899	18.71	PASS
	MCH	17.888	21.15	PASS
	HCH	17.880	18.74	PASS

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

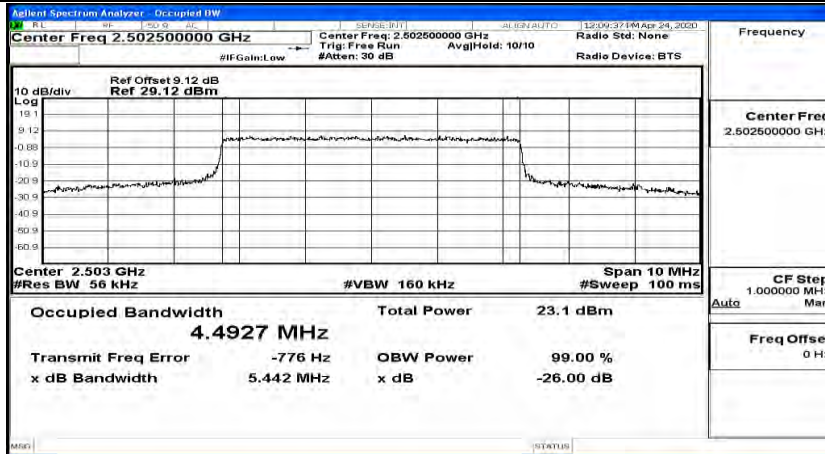
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_QPSK



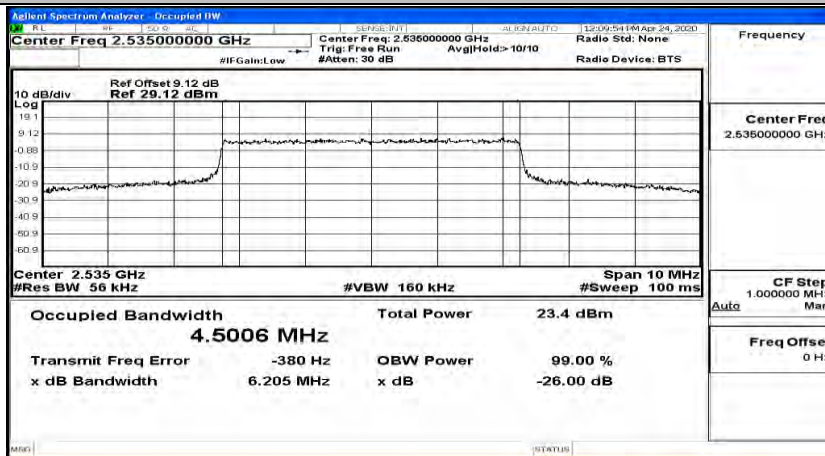
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_QPSK



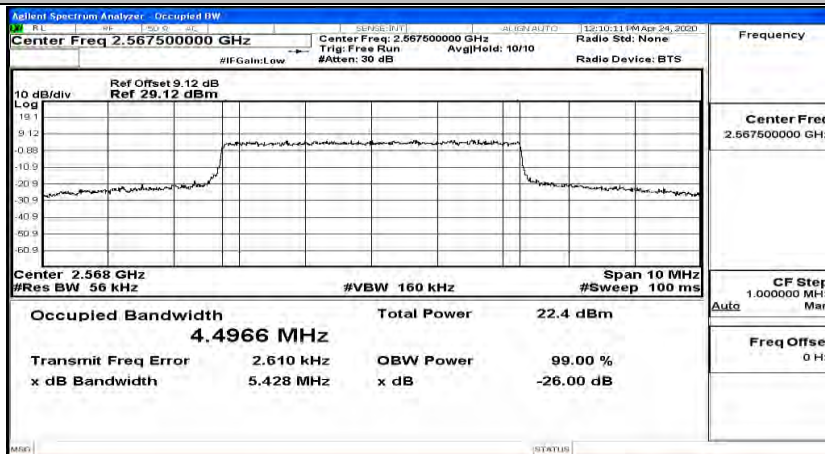
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_16QAM



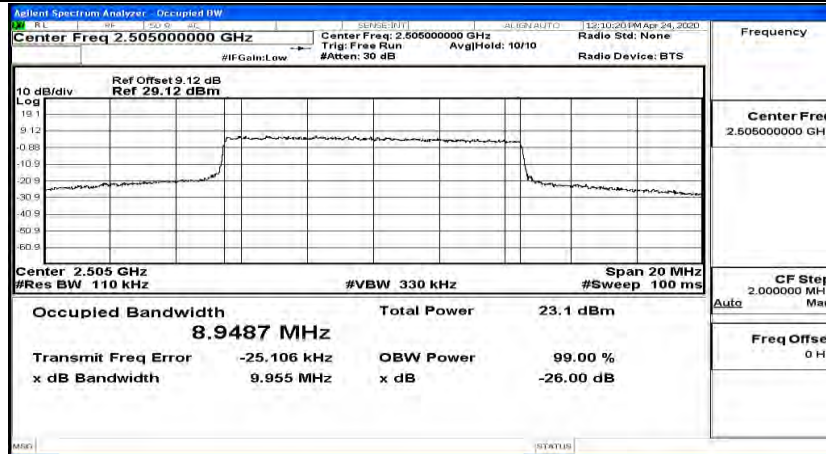
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_16QAM



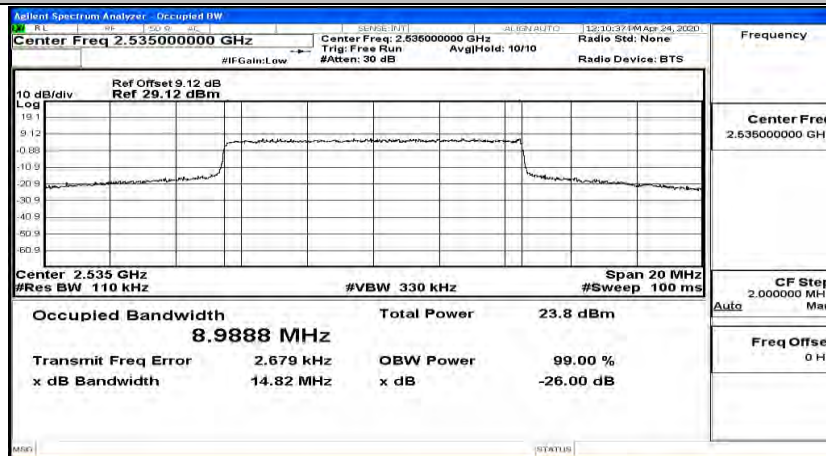
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM



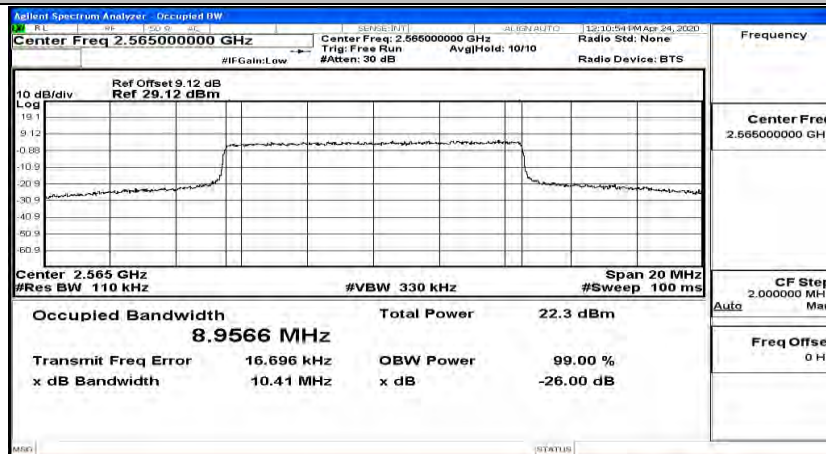
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK



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

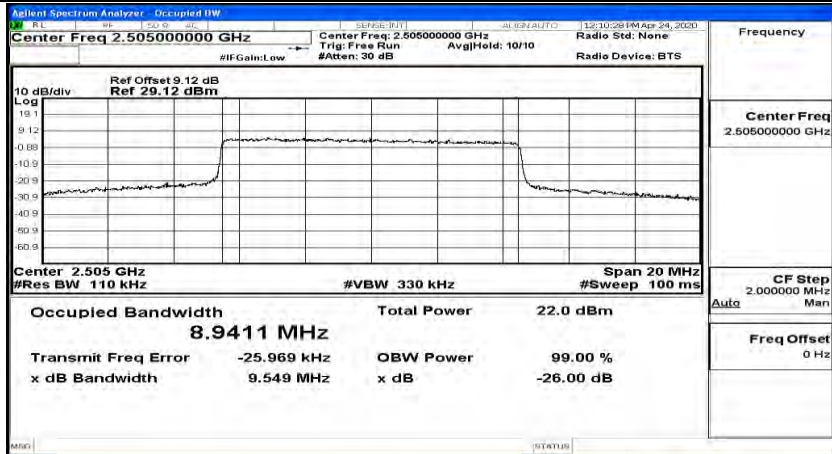


## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_QPSK

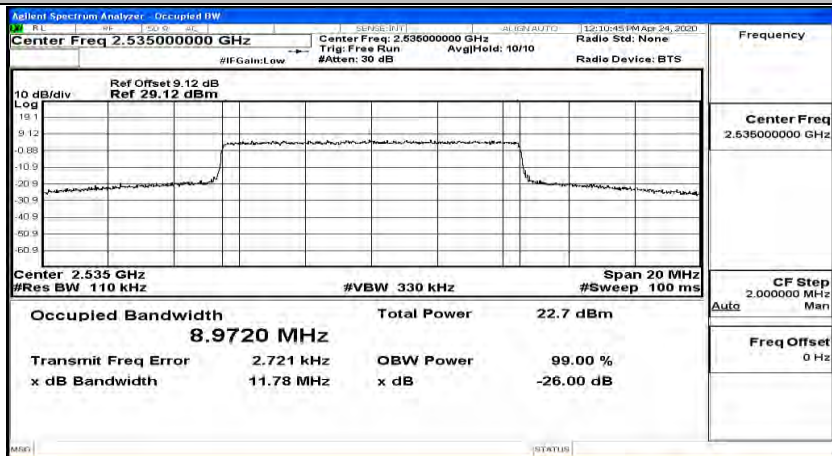




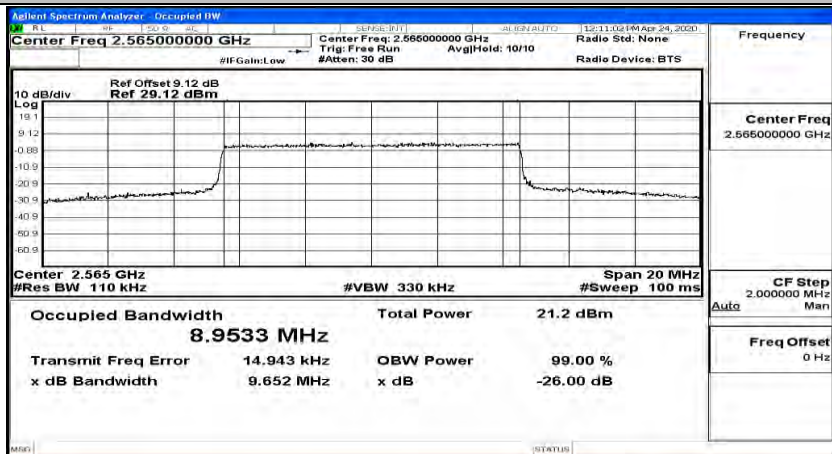
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_16QAM



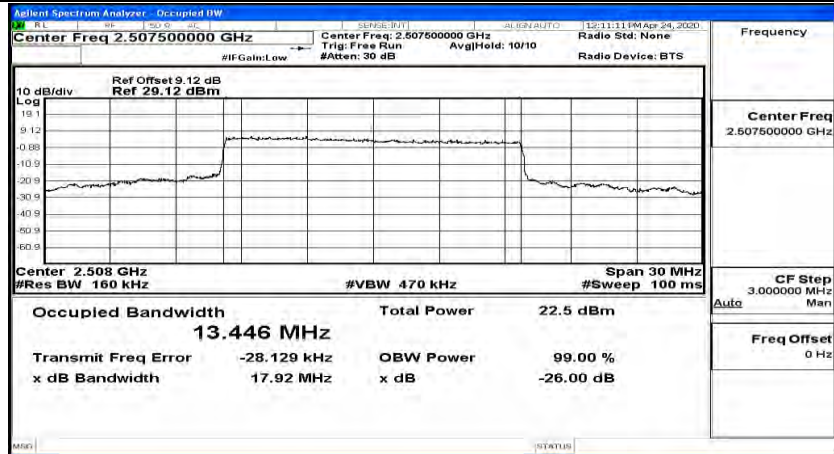
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_16QAM



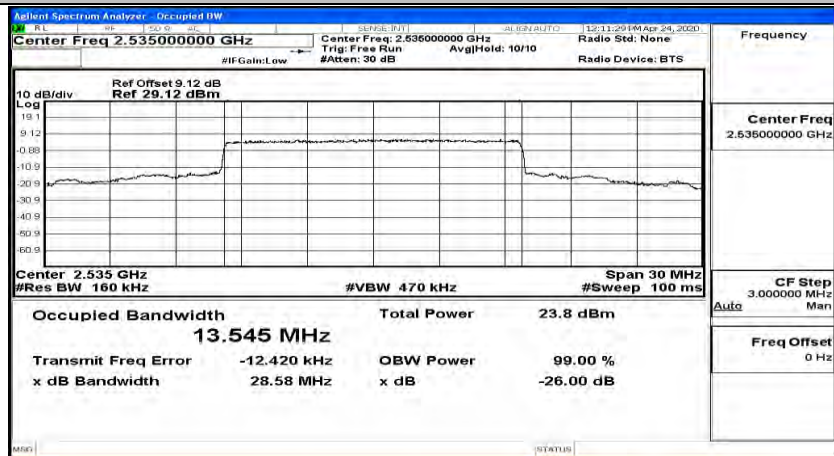
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_16QAM



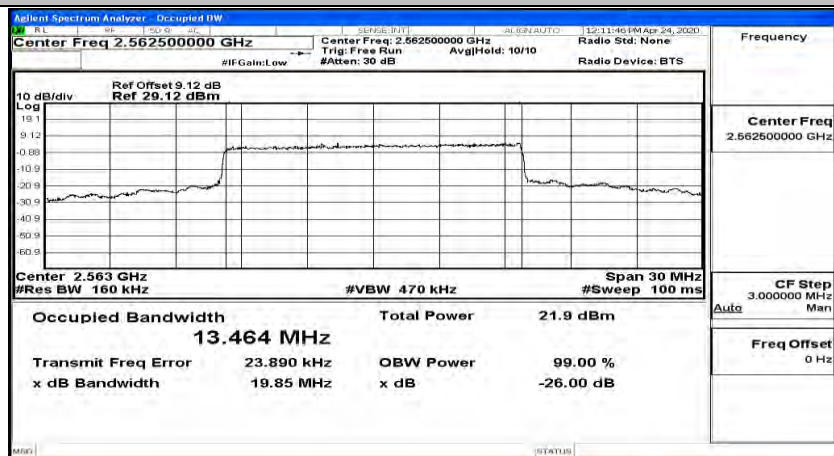
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_QPSK



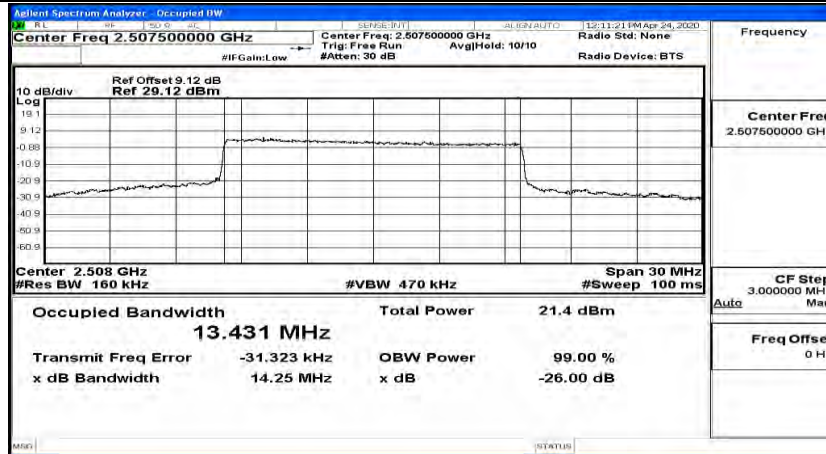
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_MCH\_QPSK



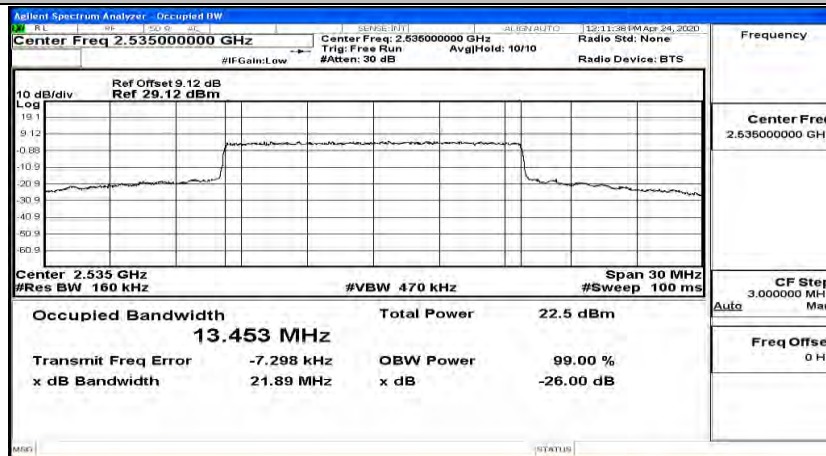
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_QPSK



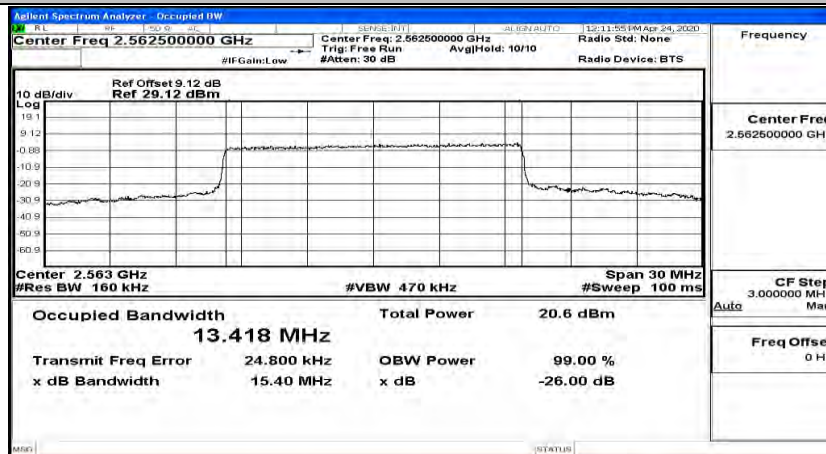
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_16QAM



## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_MCH\_16QAM

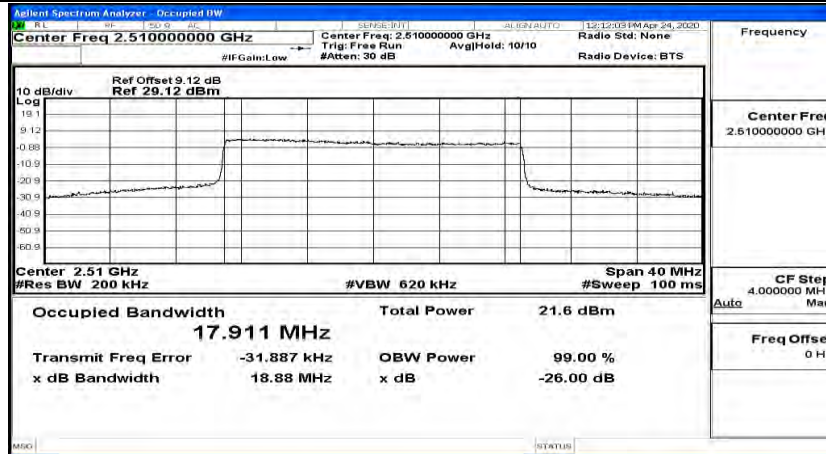


## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_16QAM

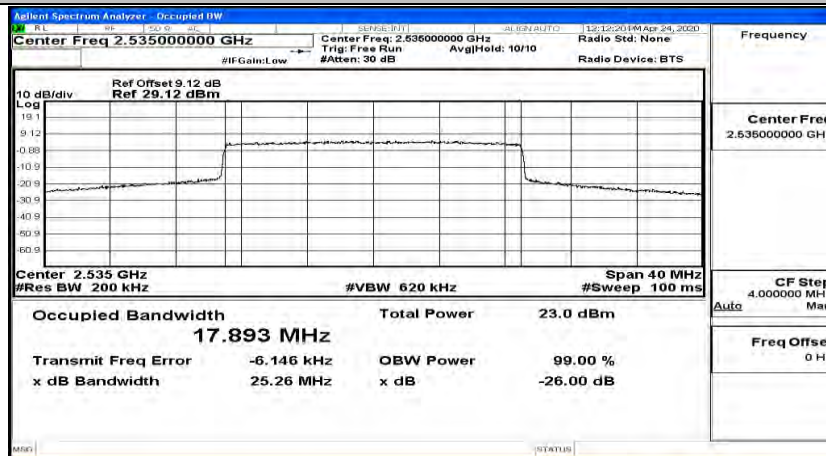




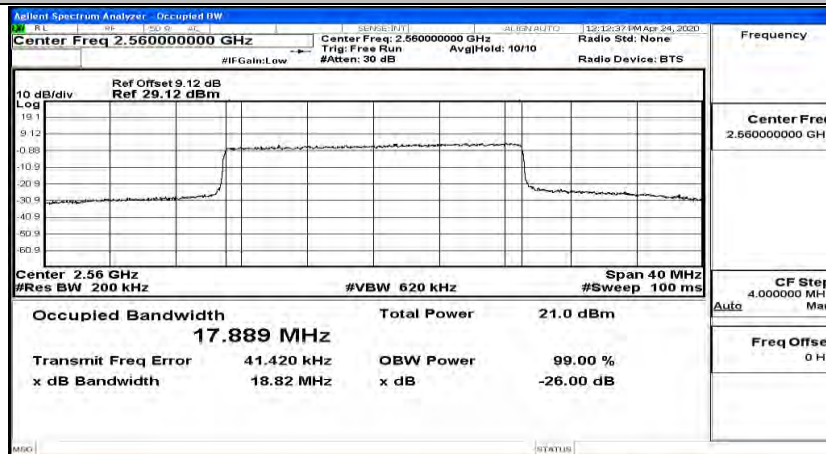
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_QPSK



## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_MCH\_QPSK

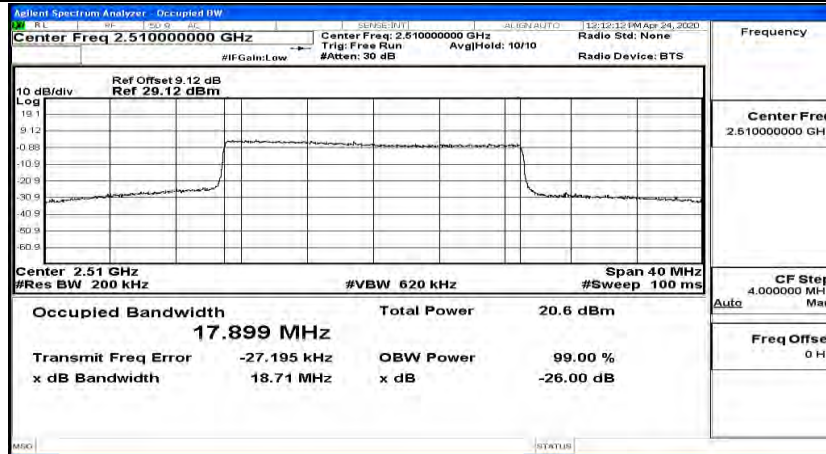


## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_QPSK

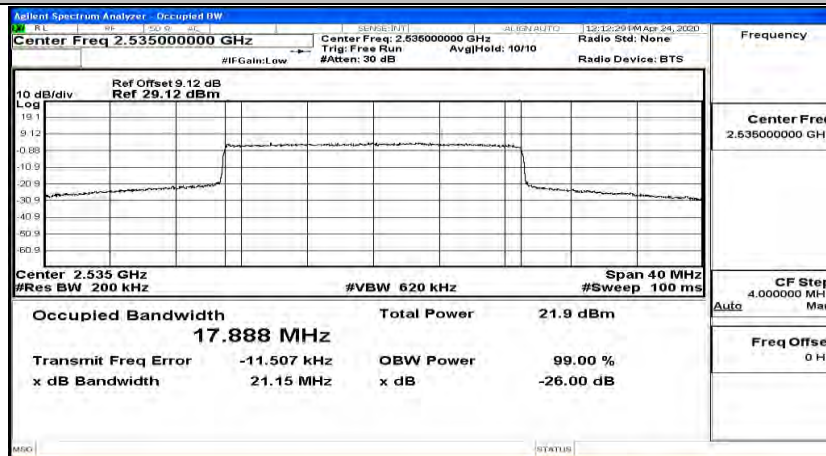




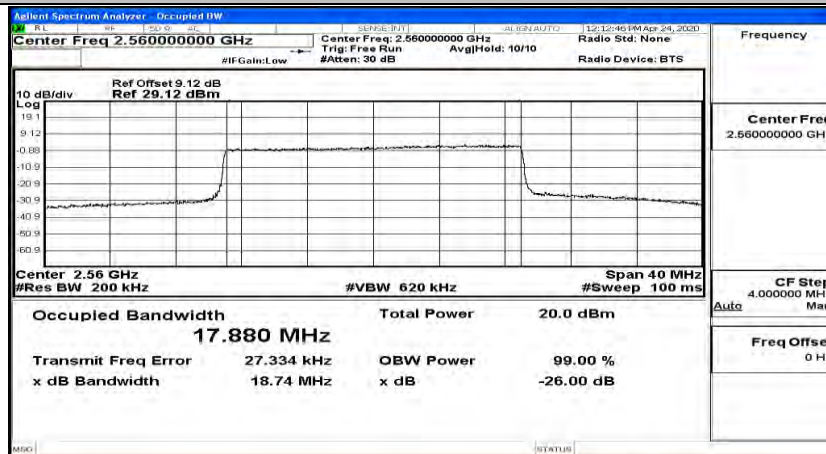
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_16QAM



## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_MCH\_16QAM

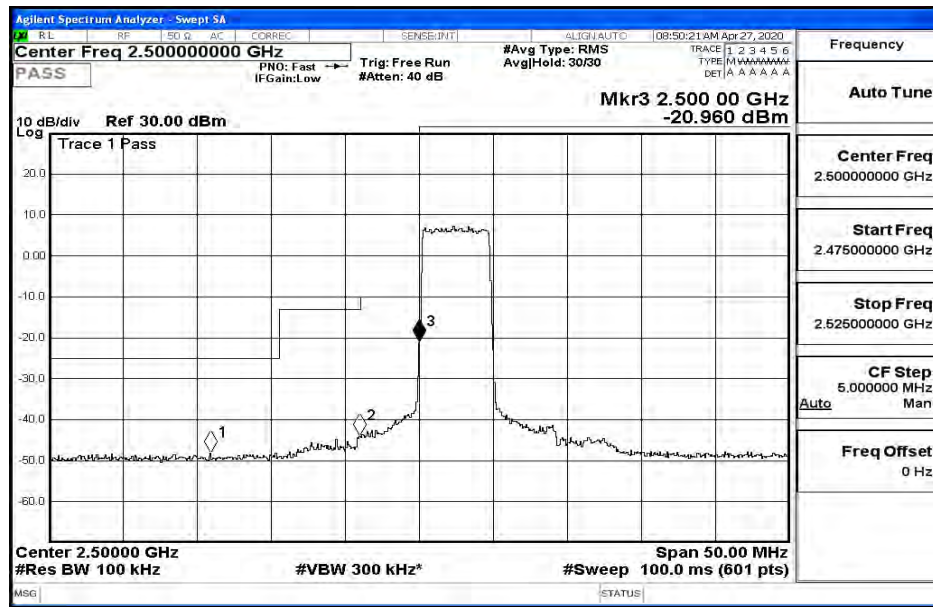


## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_16QAM

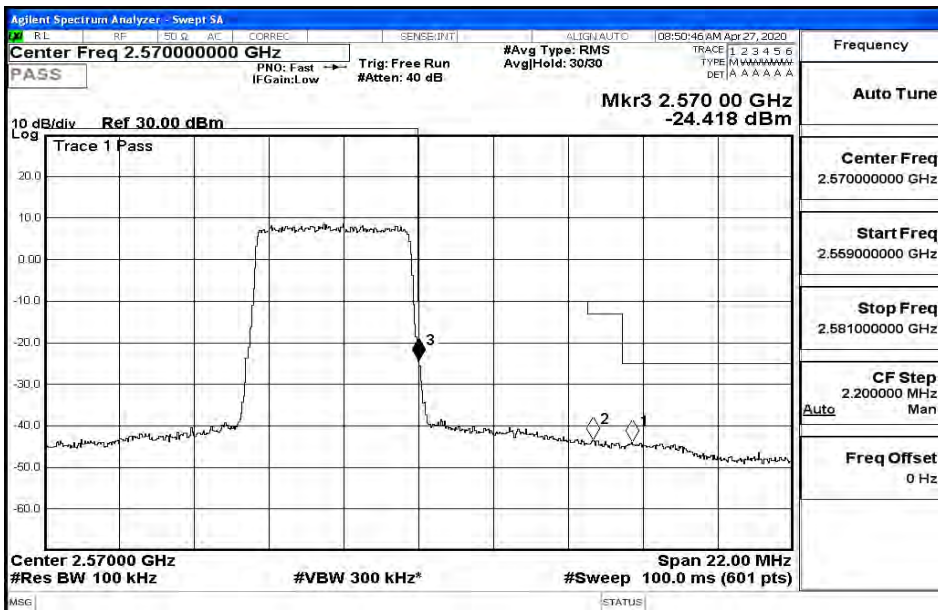


**F.4 Band Edge**

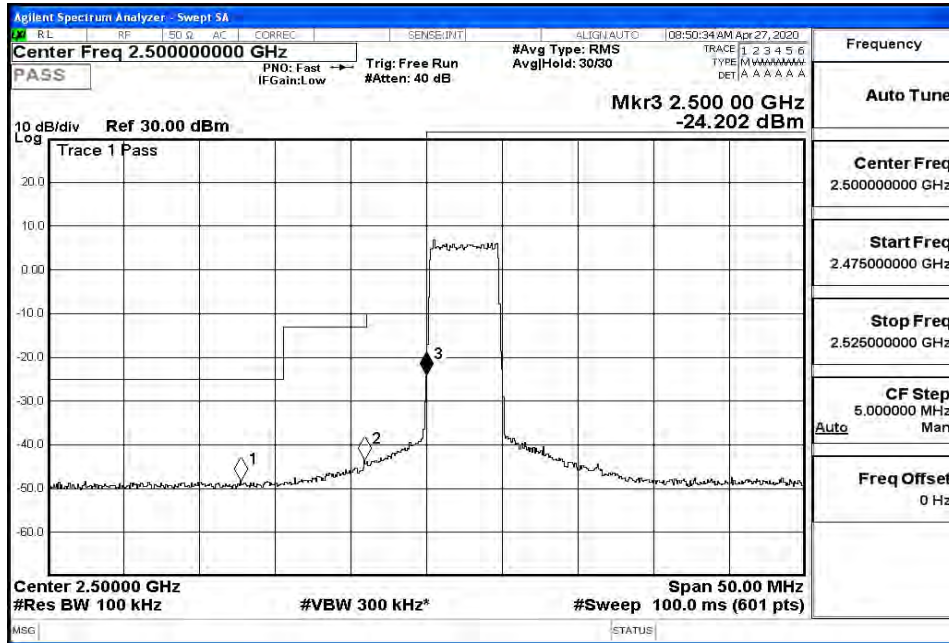
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz) \_LCH\_QPSK



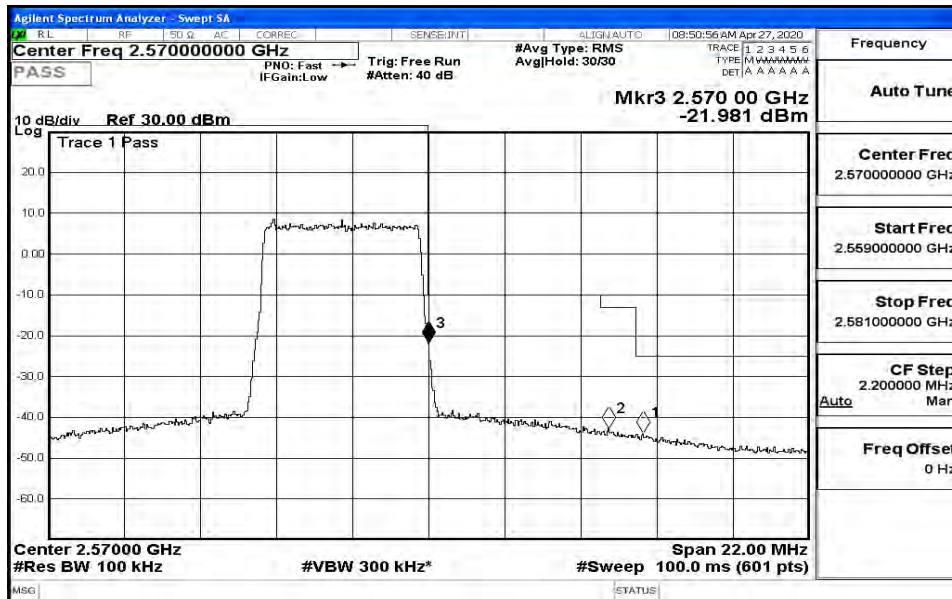
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz) \_HCH\_QPSK



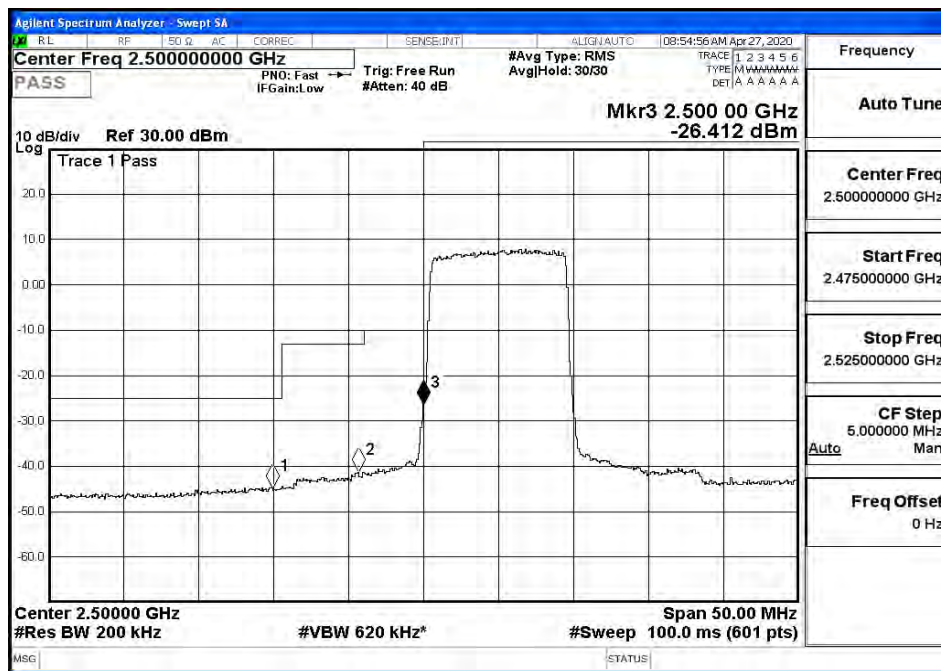
## Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_16QAM



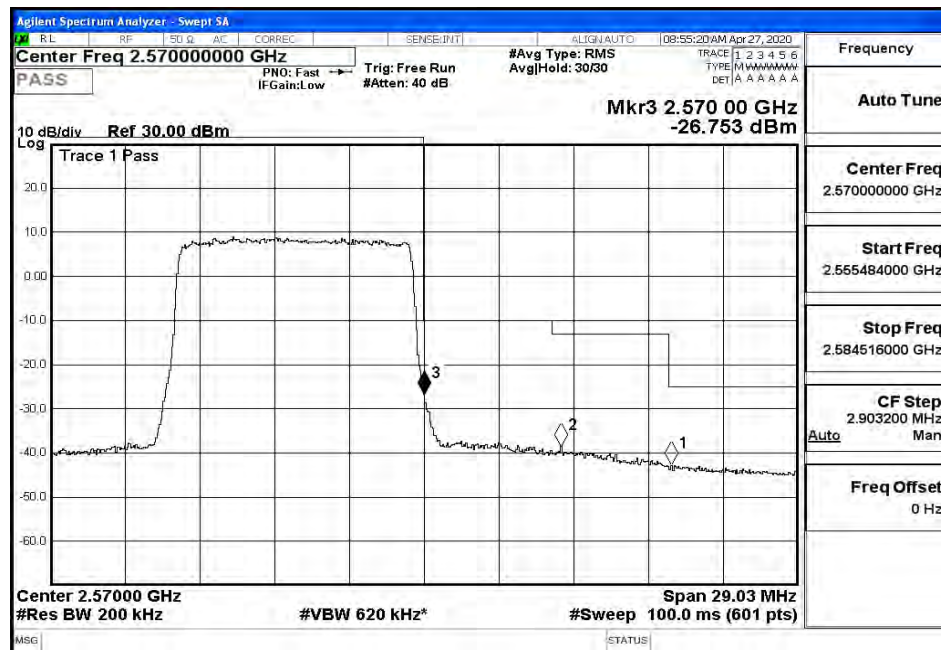
## Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM



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

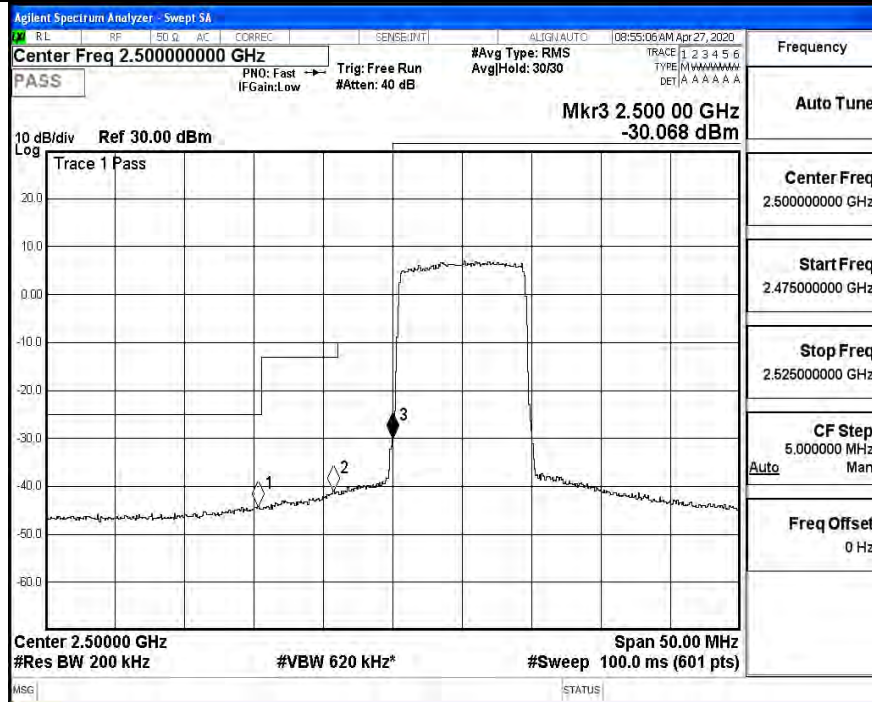


## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_QPSK

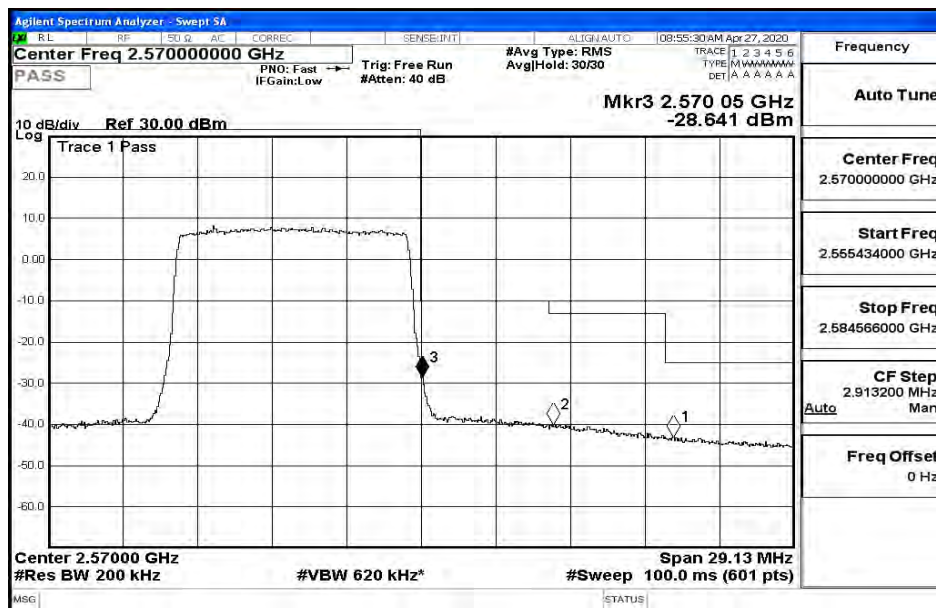




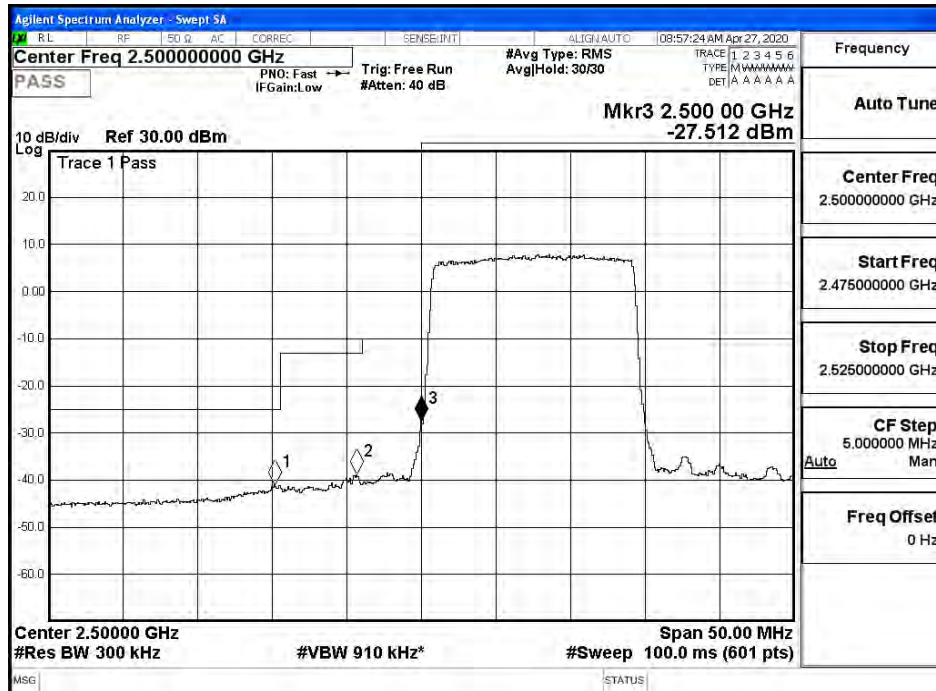
## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz) \_LCH\_16QAM



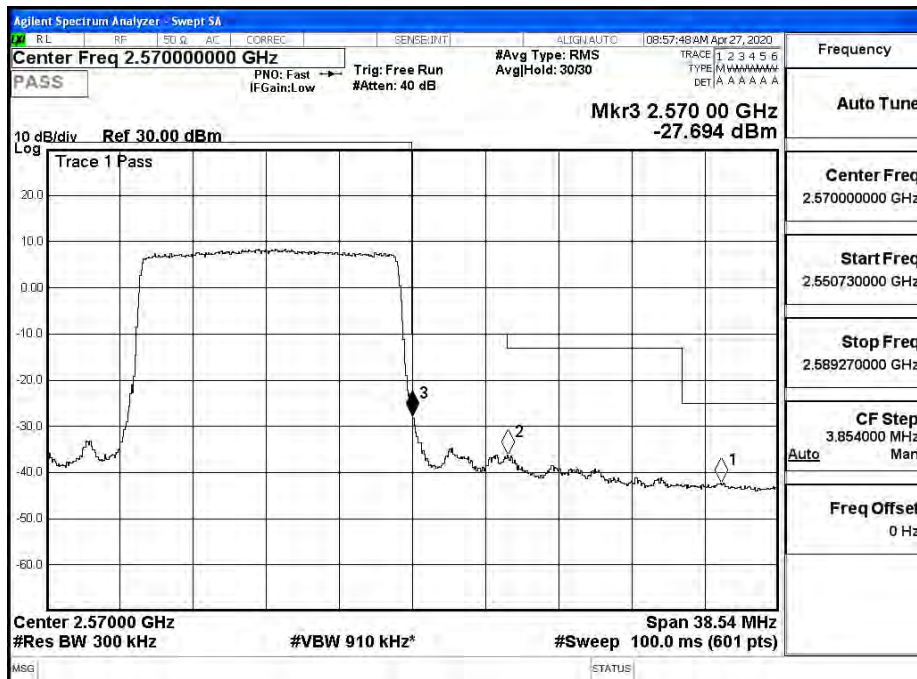
## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz) \_HCH\_16QAM



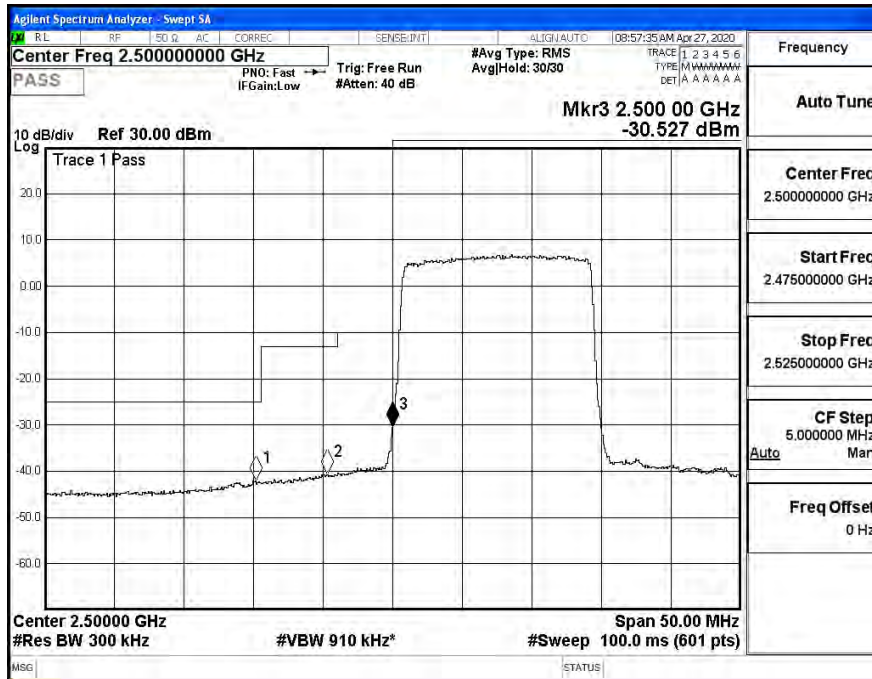
## Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_QPSK



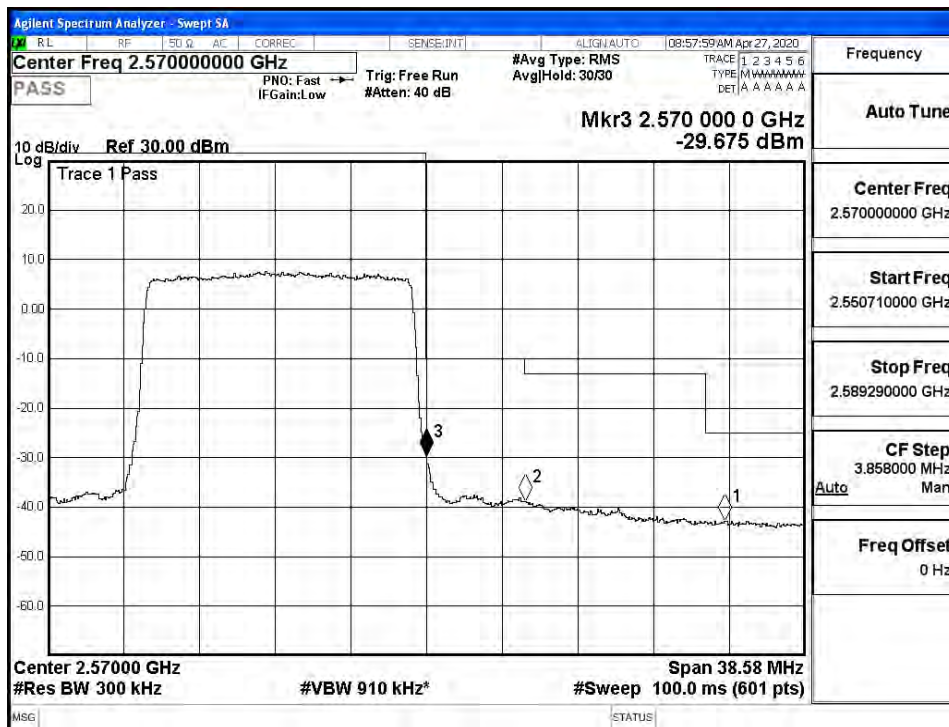
## Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_QPSK



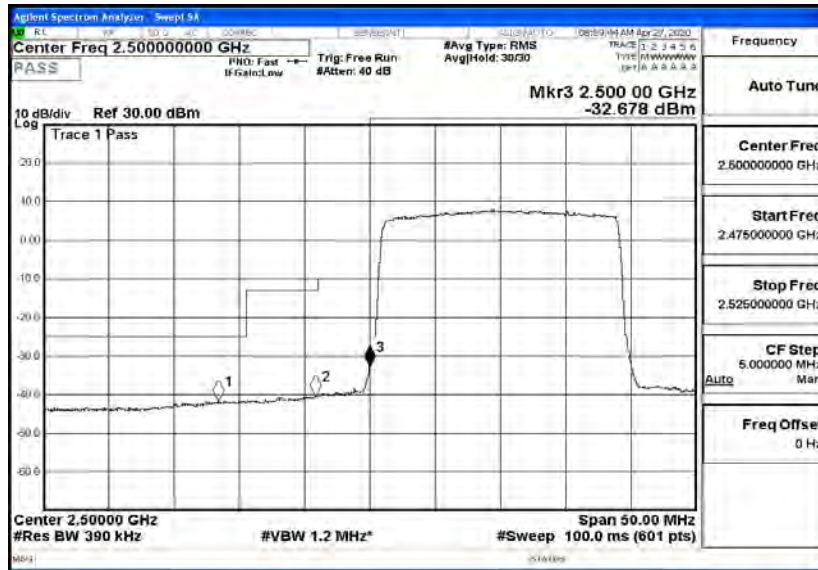
## Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_16QAM



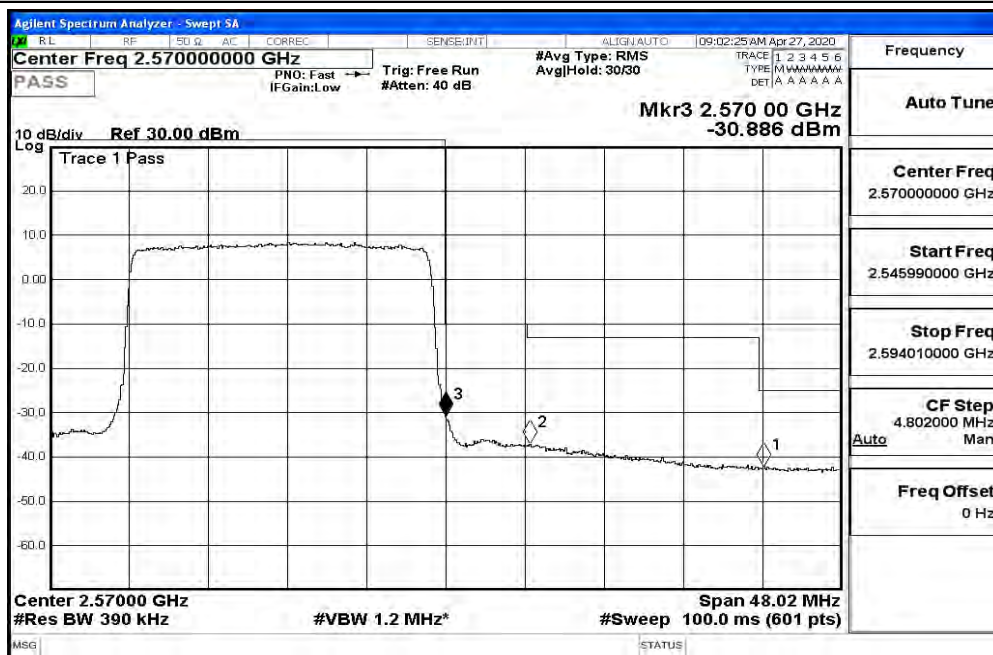
## Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_16QAM



## Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_QPSK

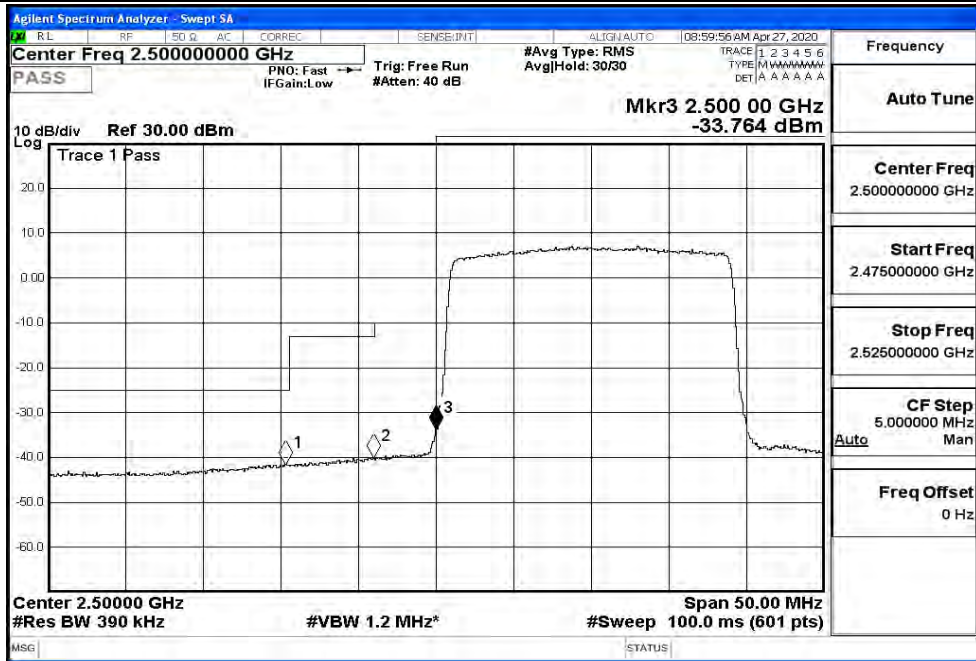


## Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_QPSK

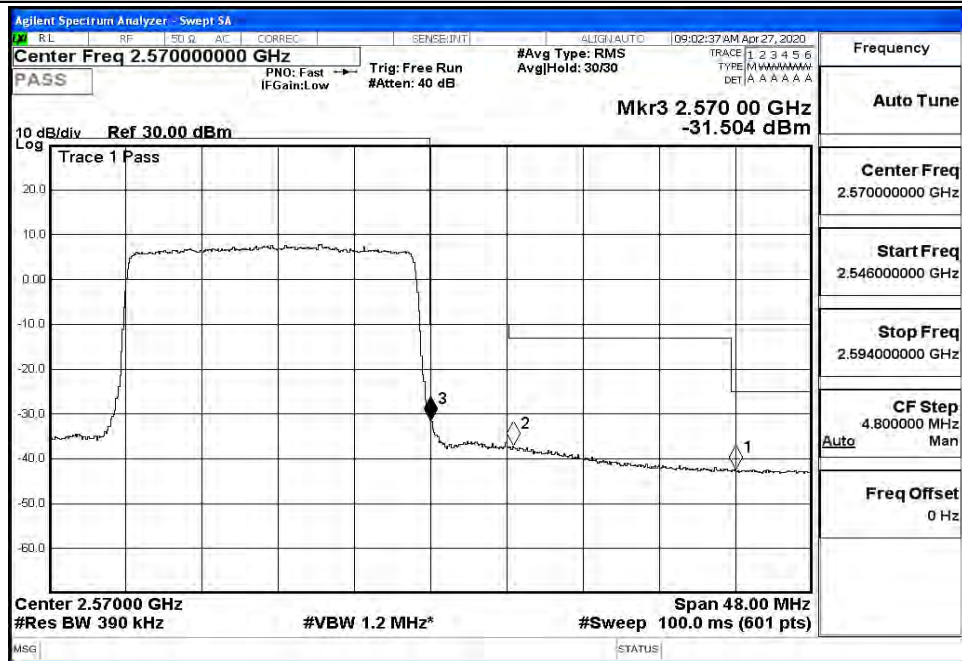




## Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_16QAM

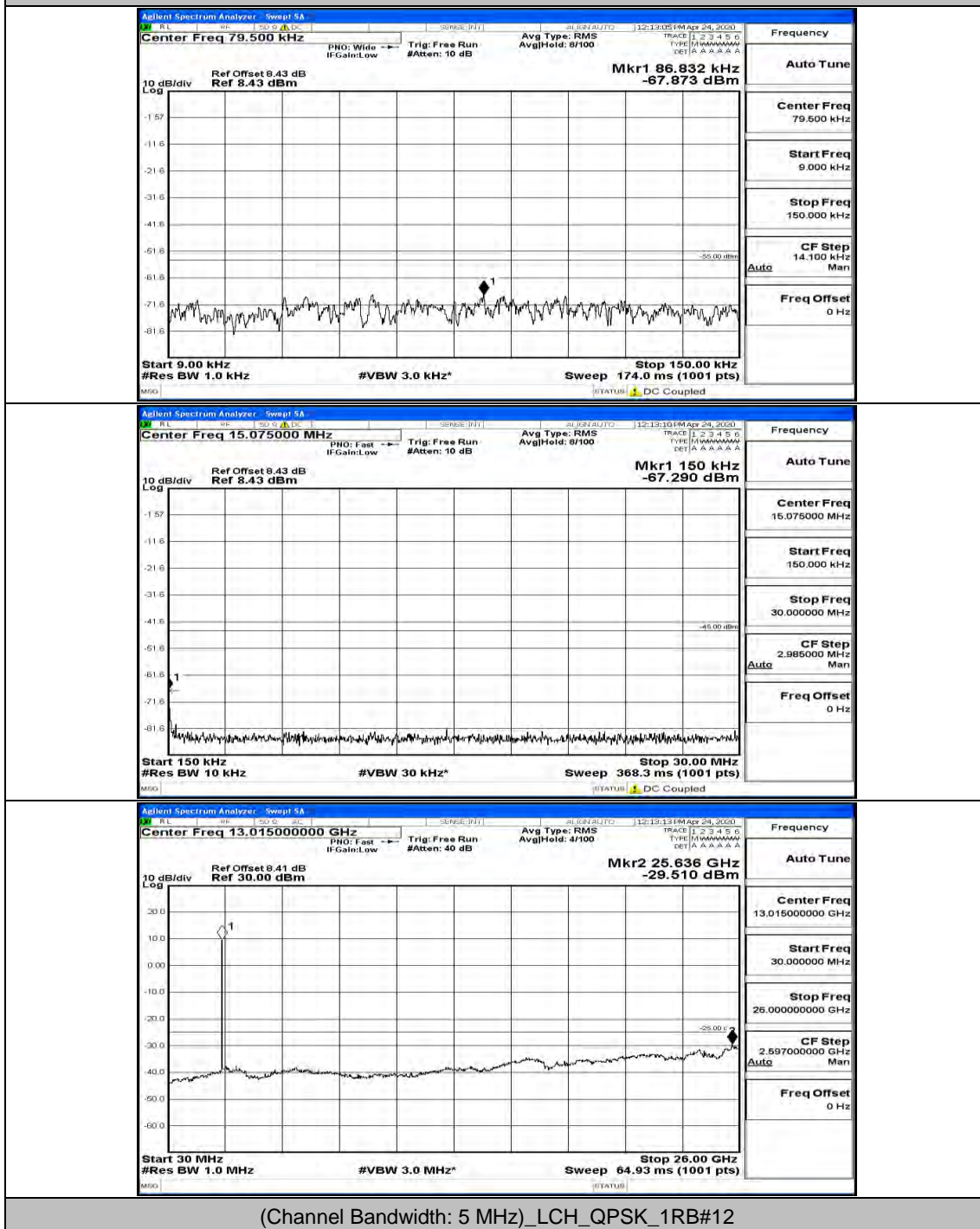


## Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_16QAM

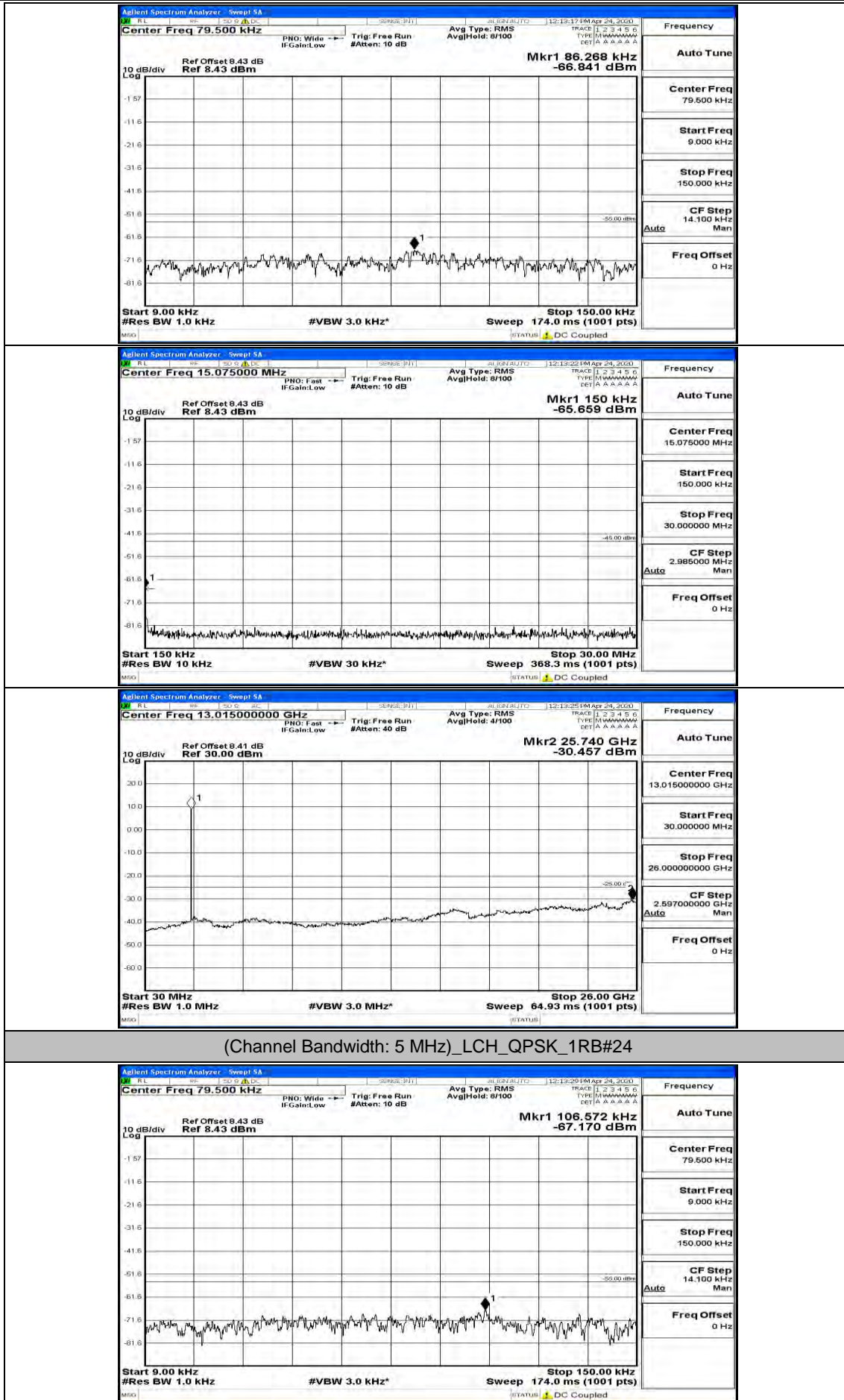


**F.5 Conducted Spurious Emission****Channel Bandwidth: 5 MHz**

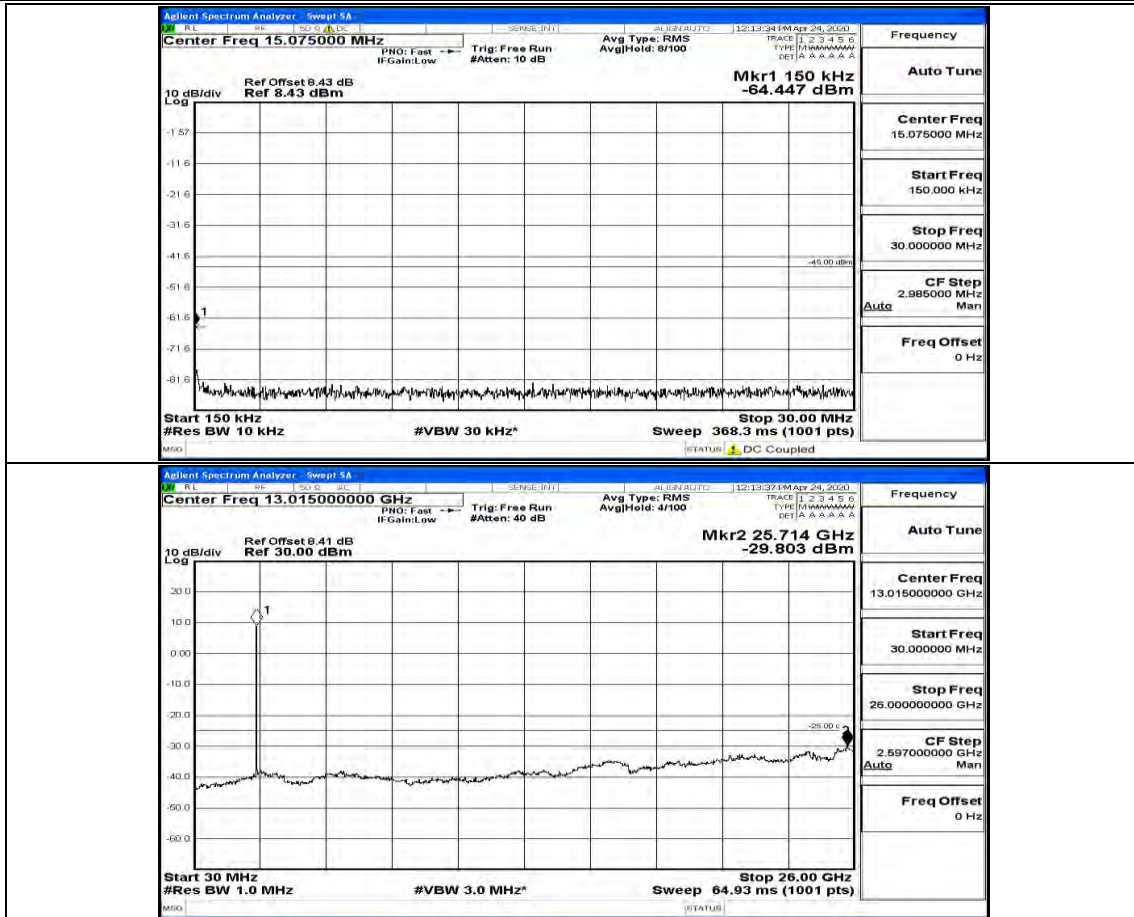
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_1RB#0



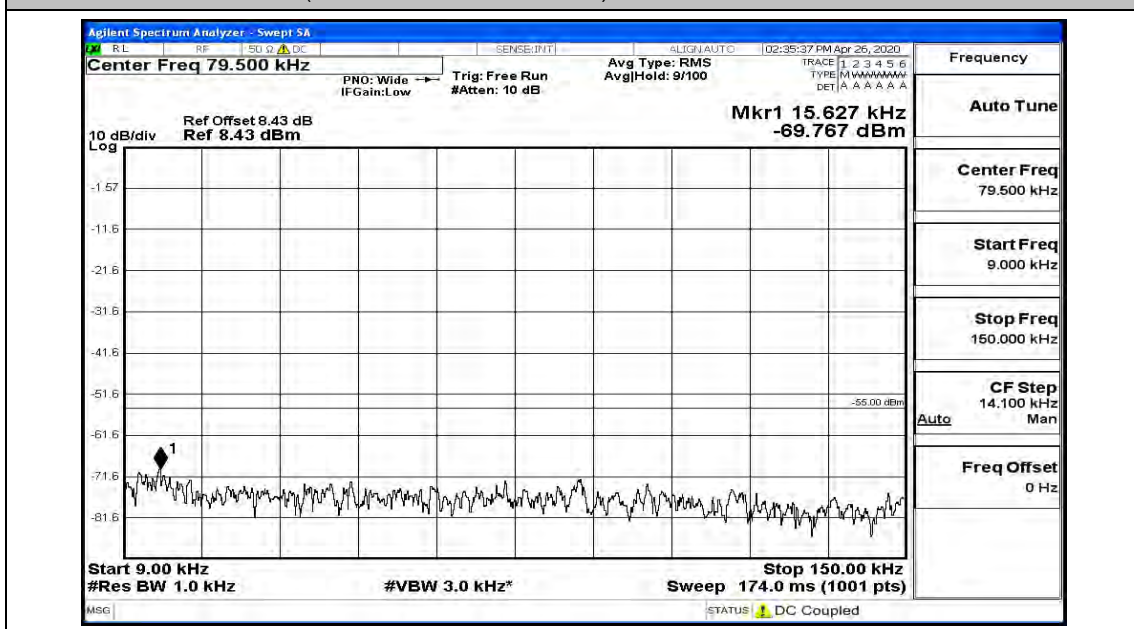
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_1RB#12

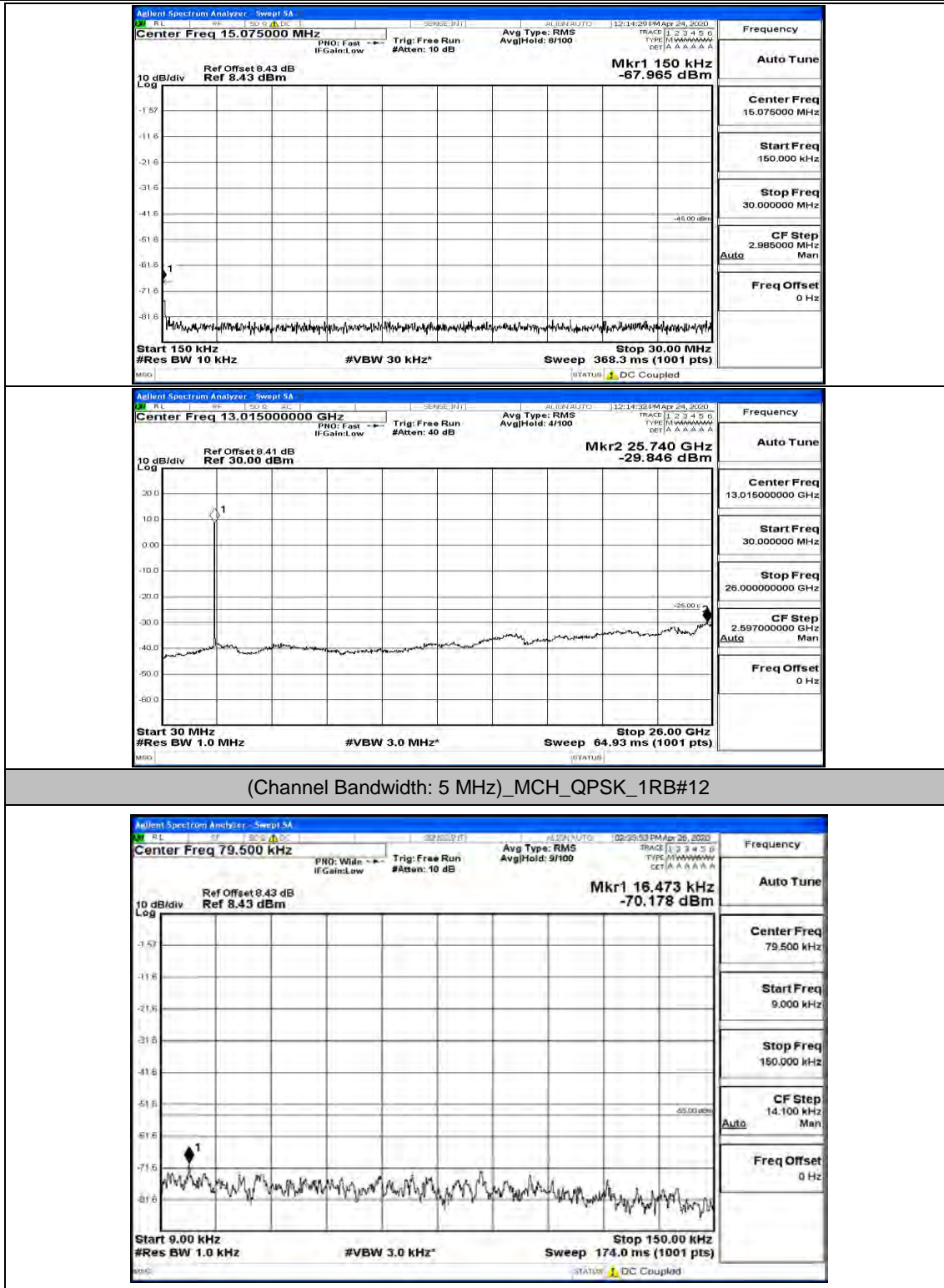


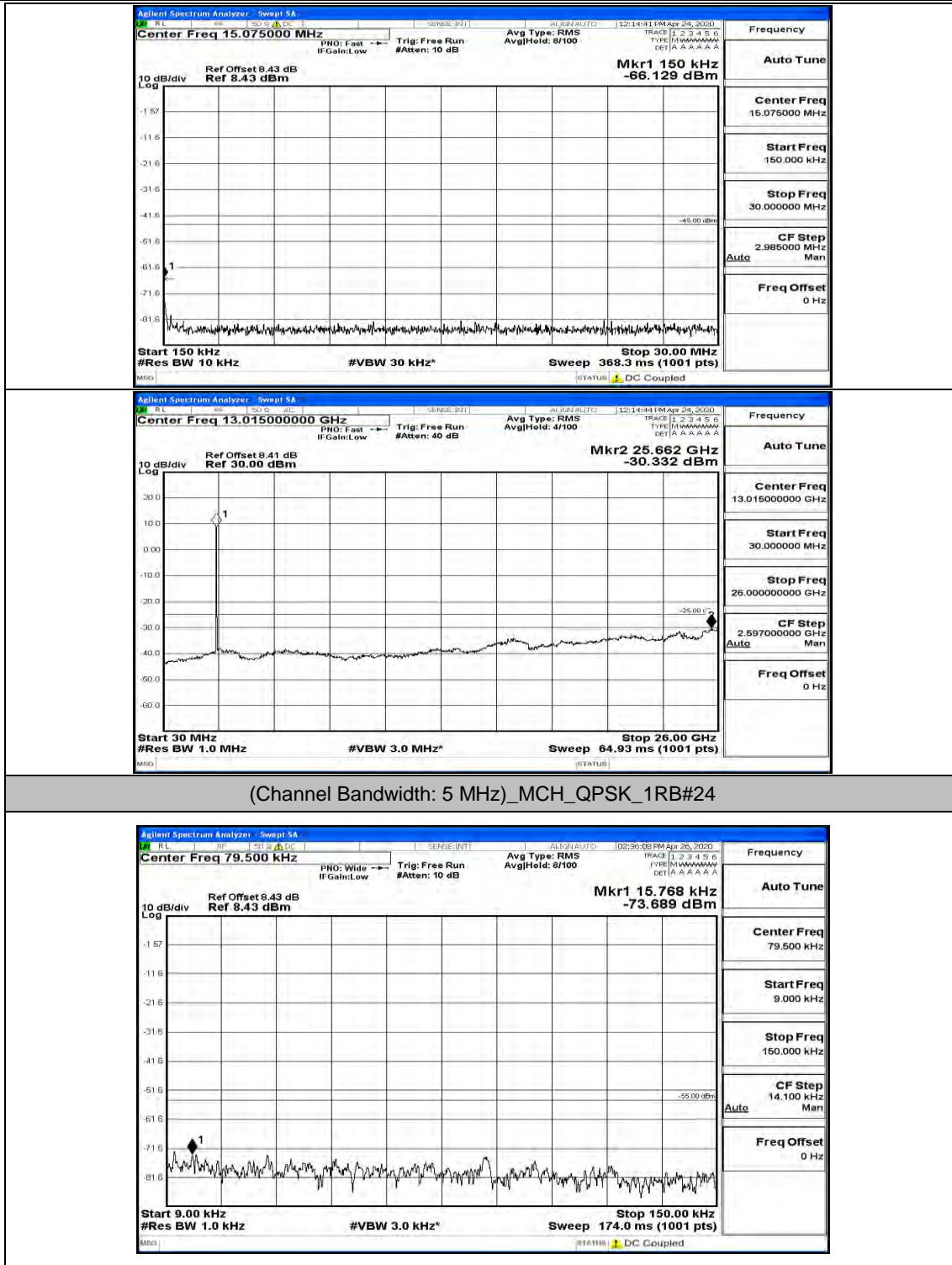




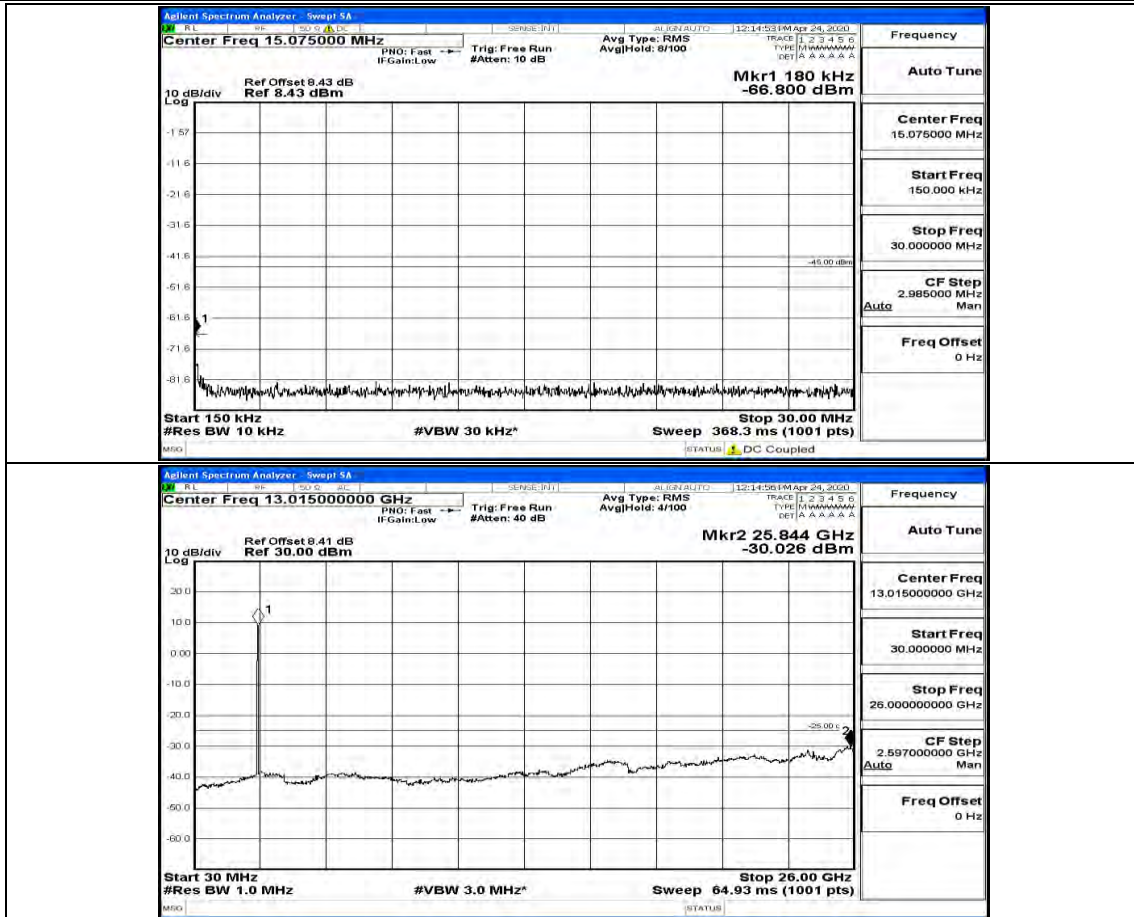
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#0



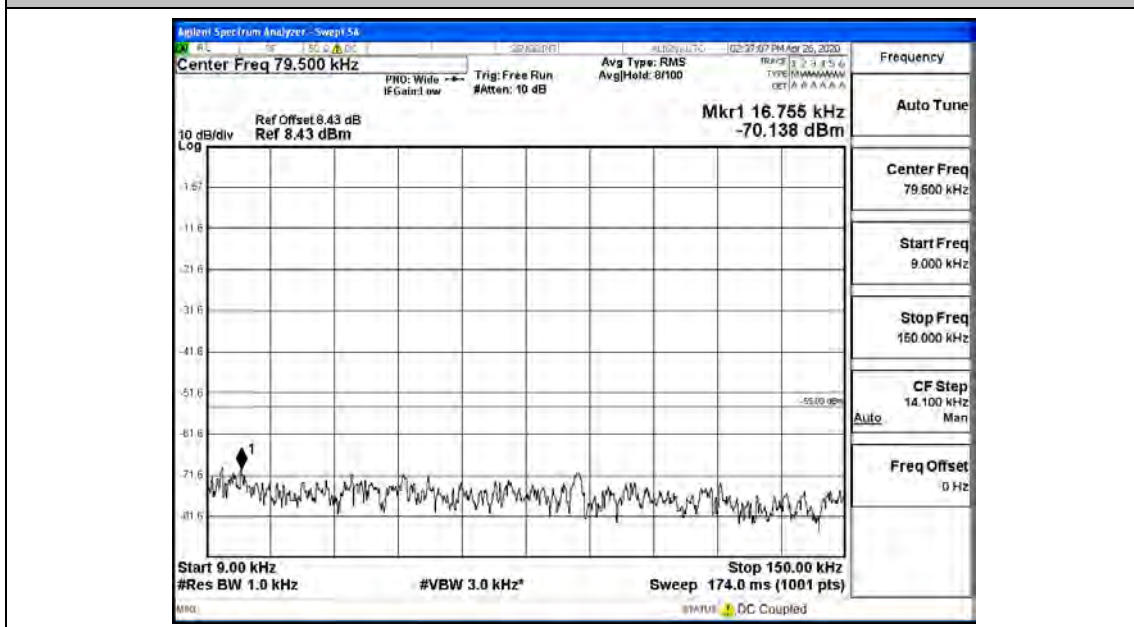


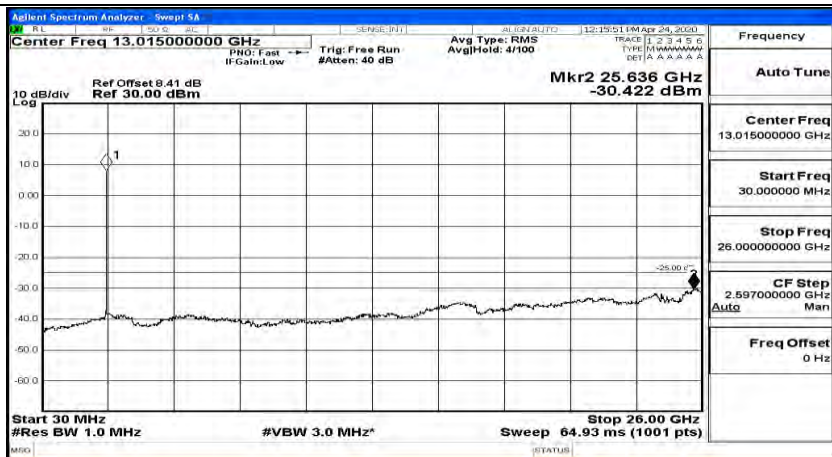
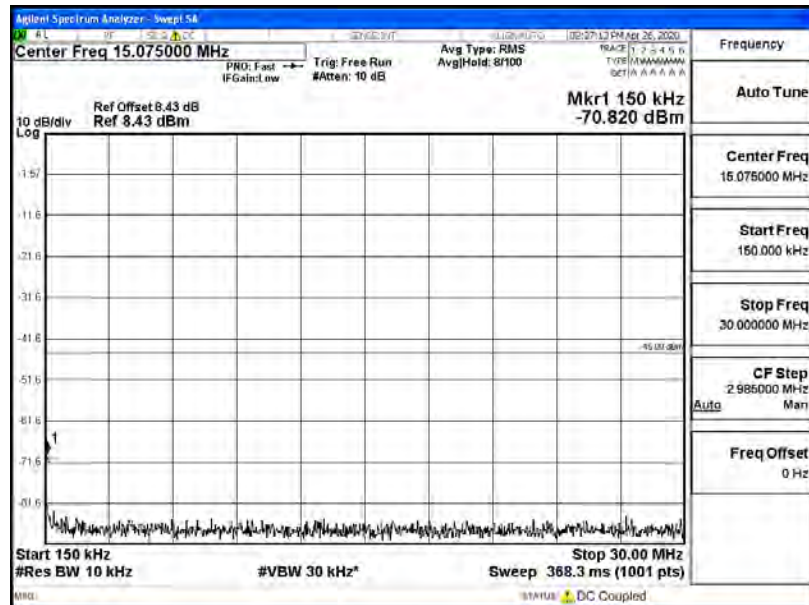




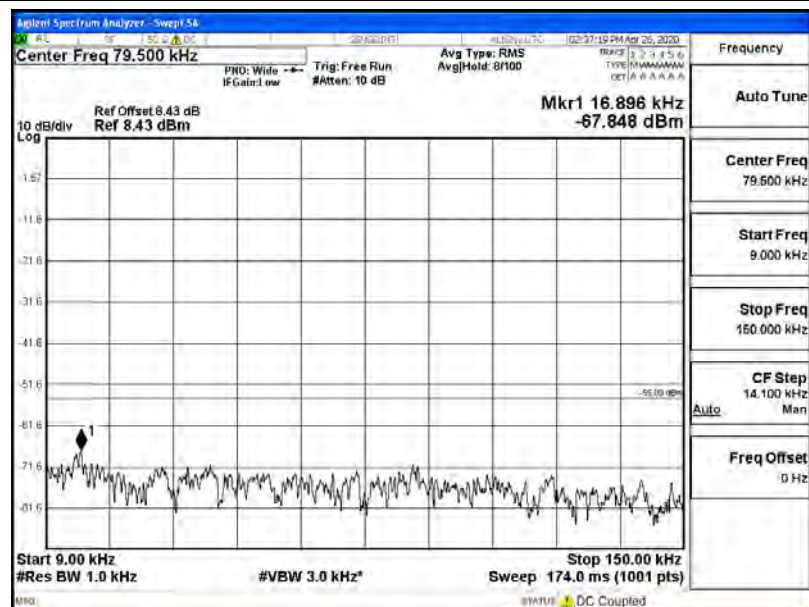


(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#0

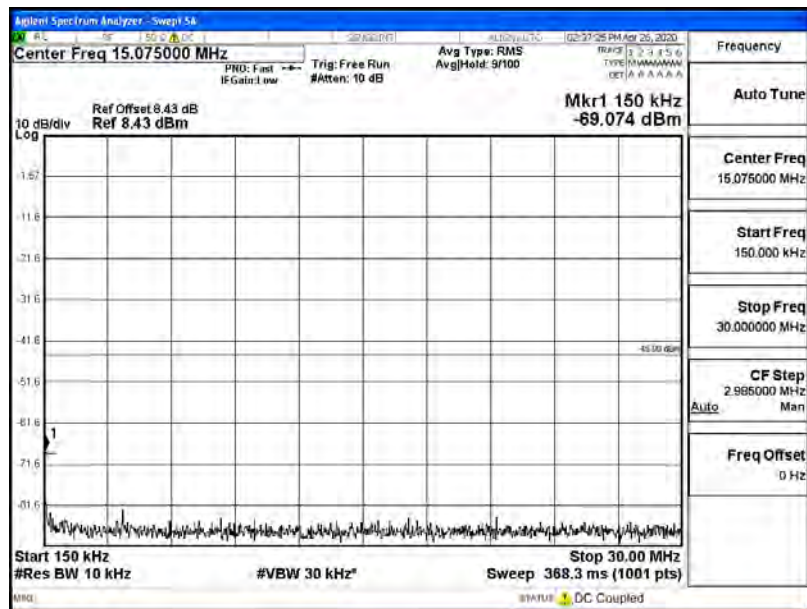




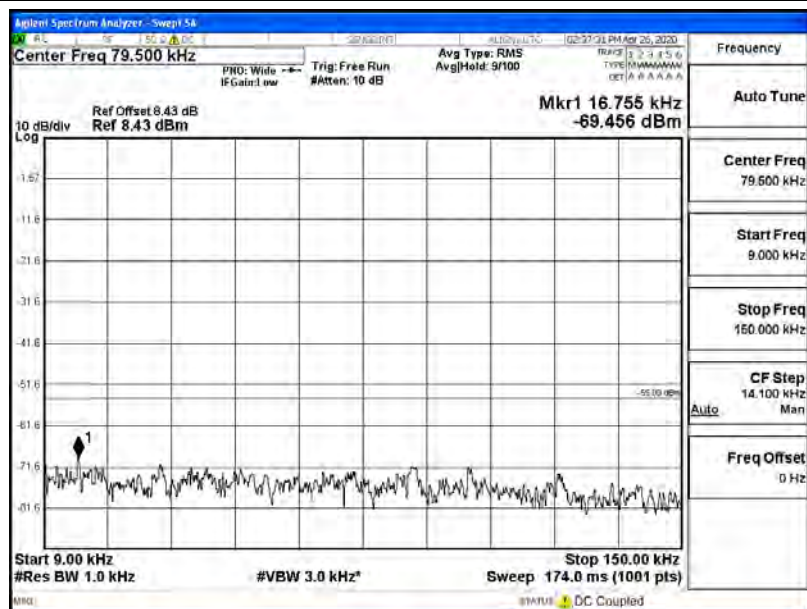
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#12

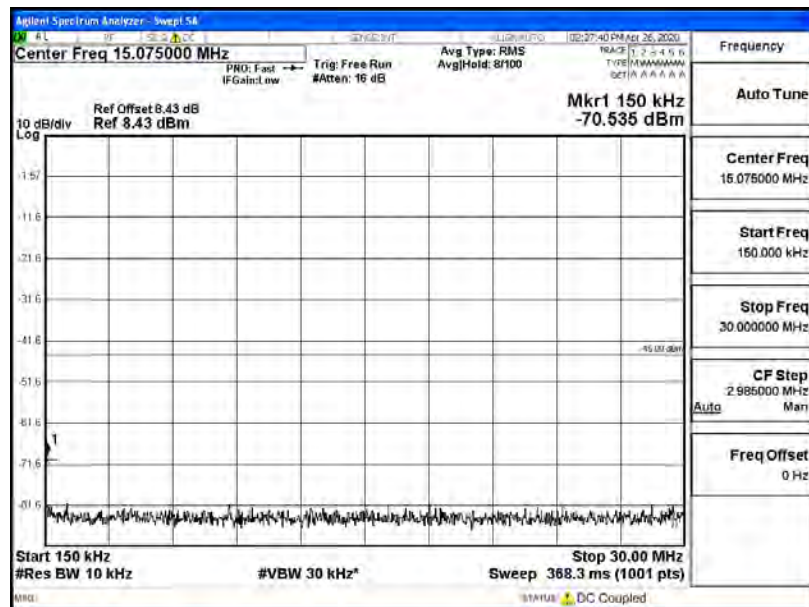




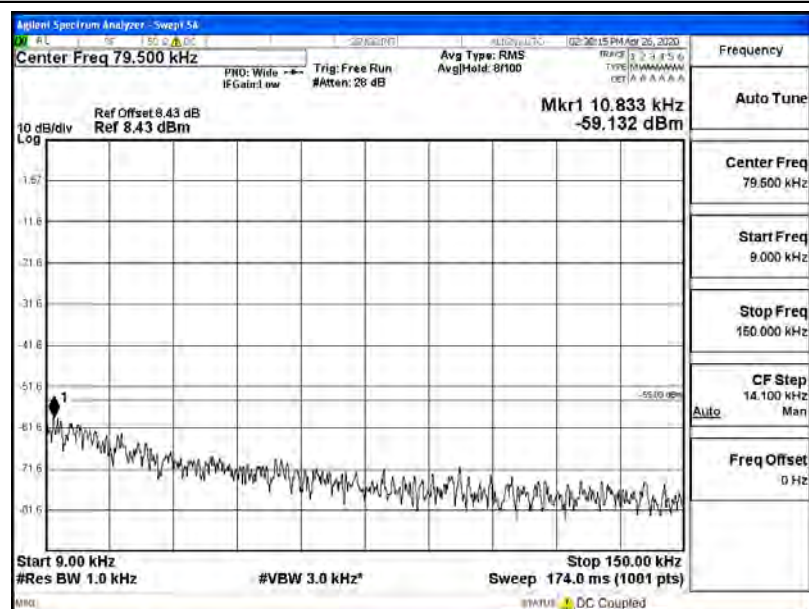


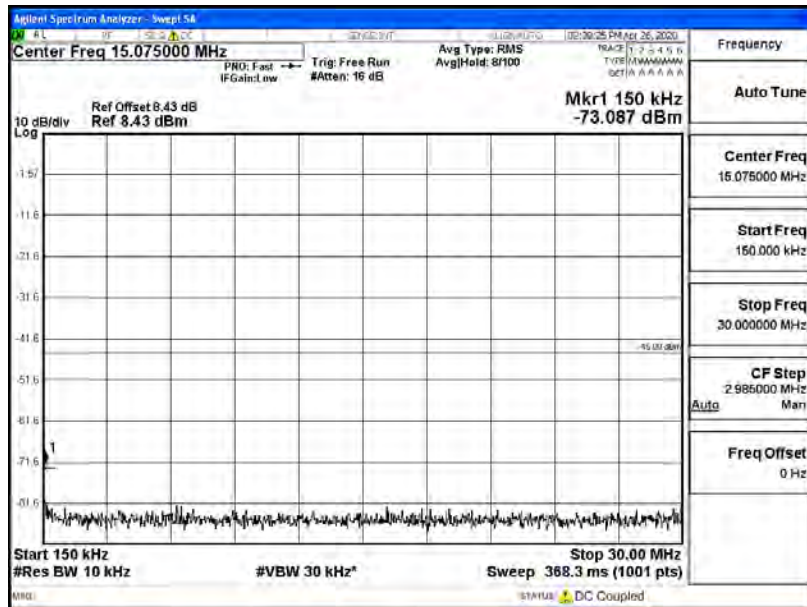
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#24



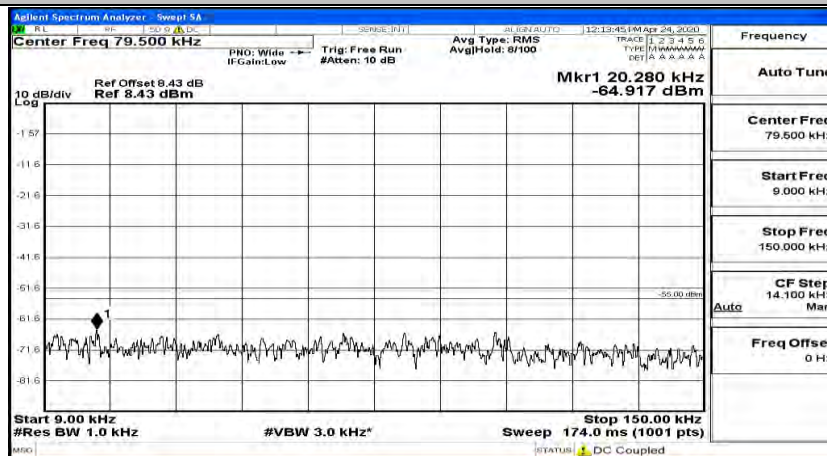


(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_12RB#0

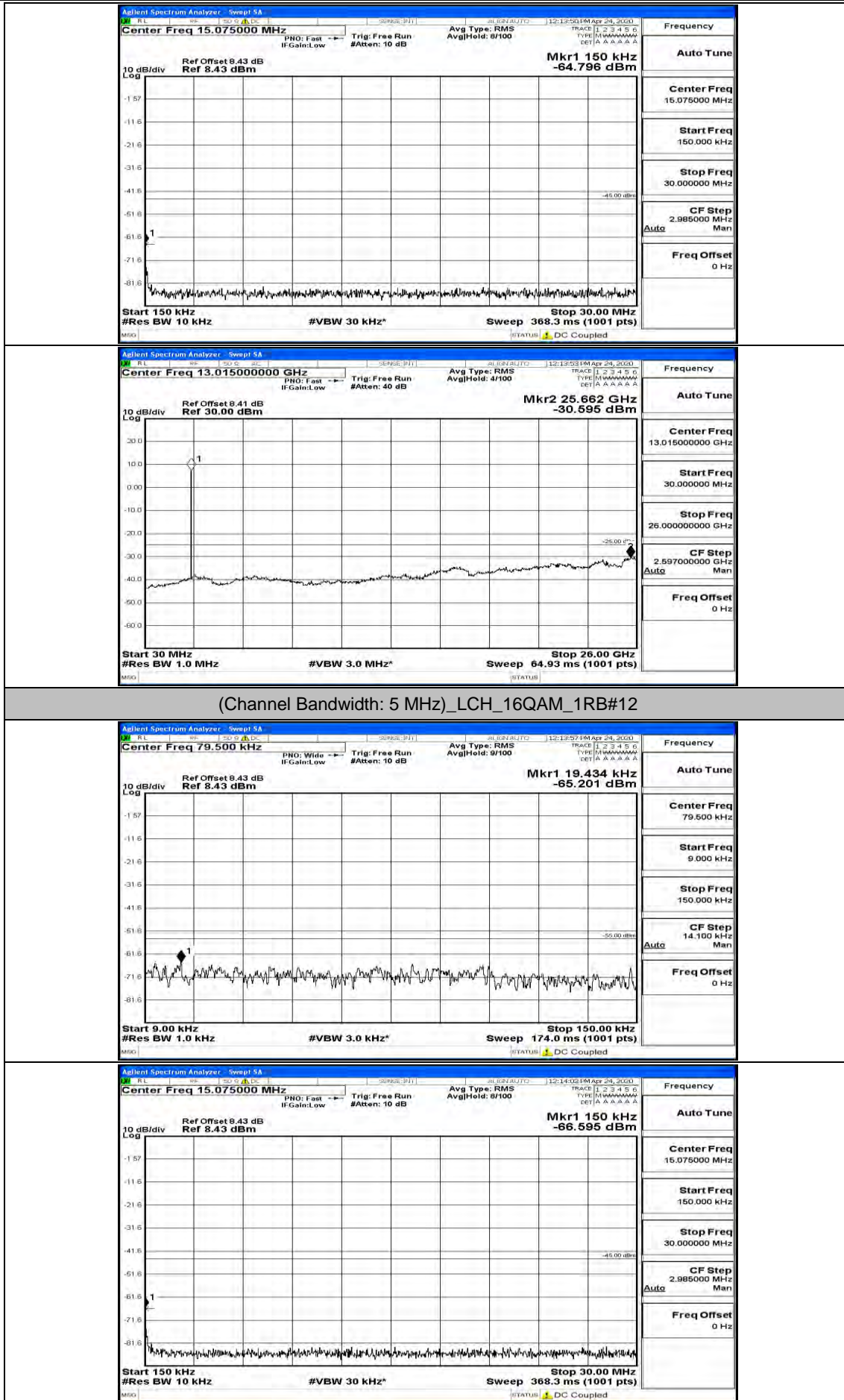


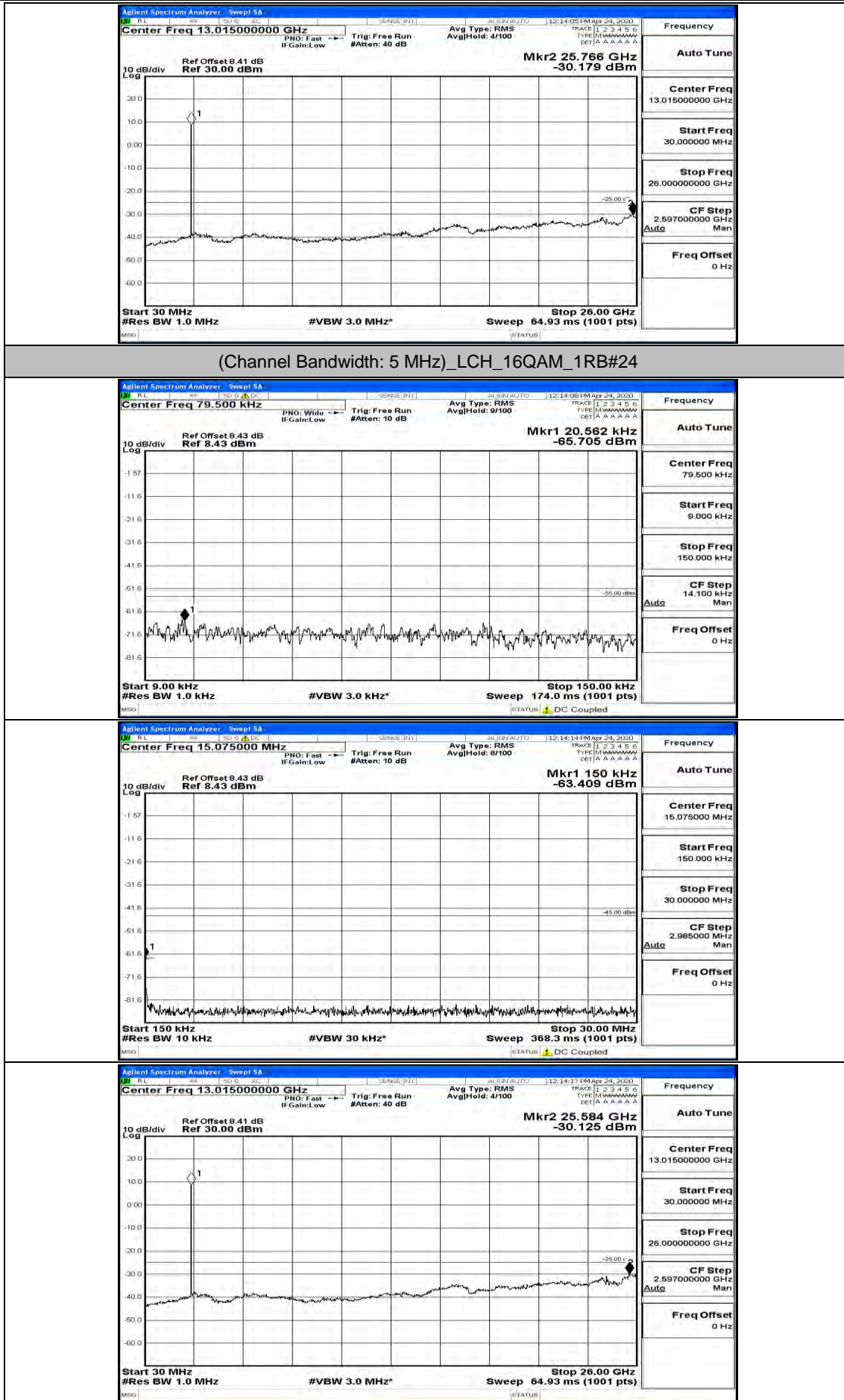


(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#0



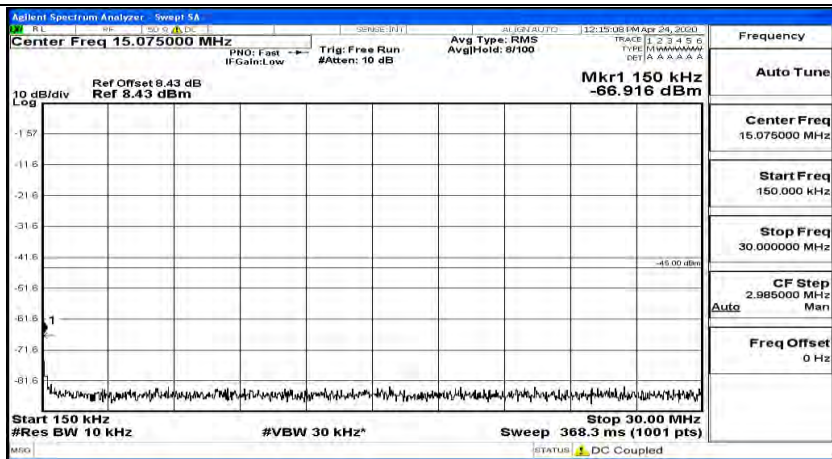
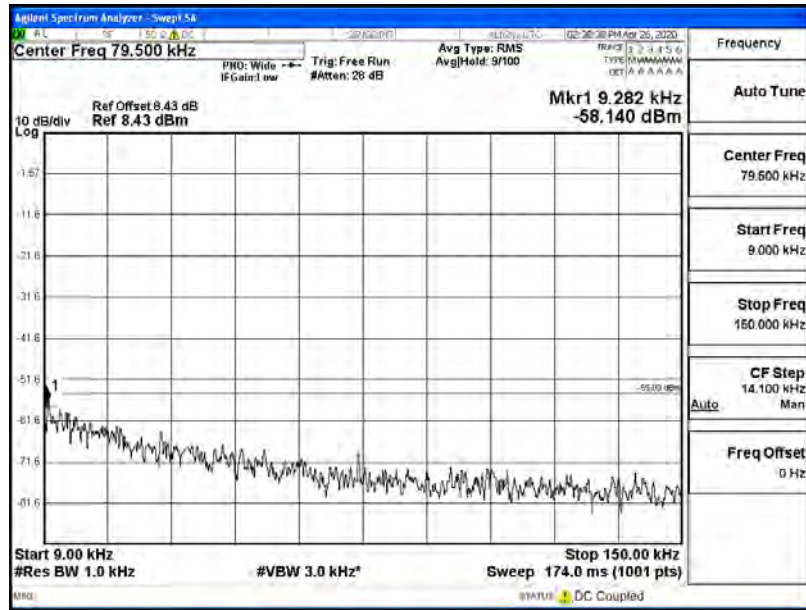




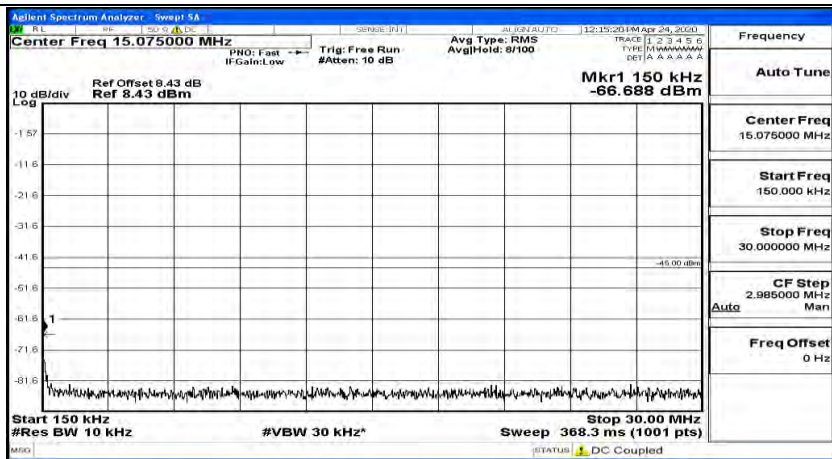
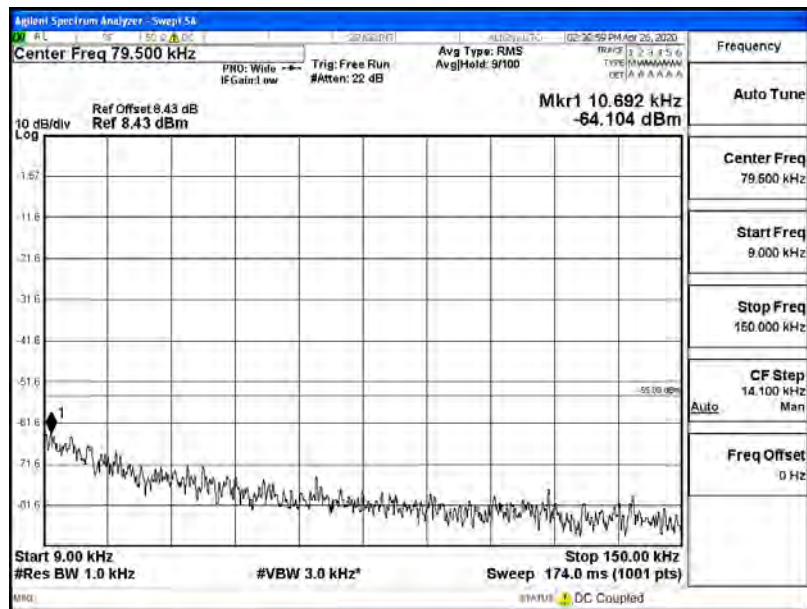




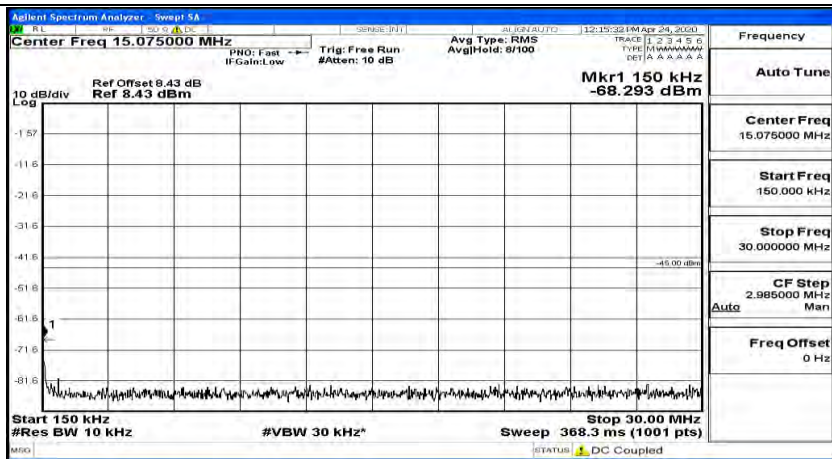
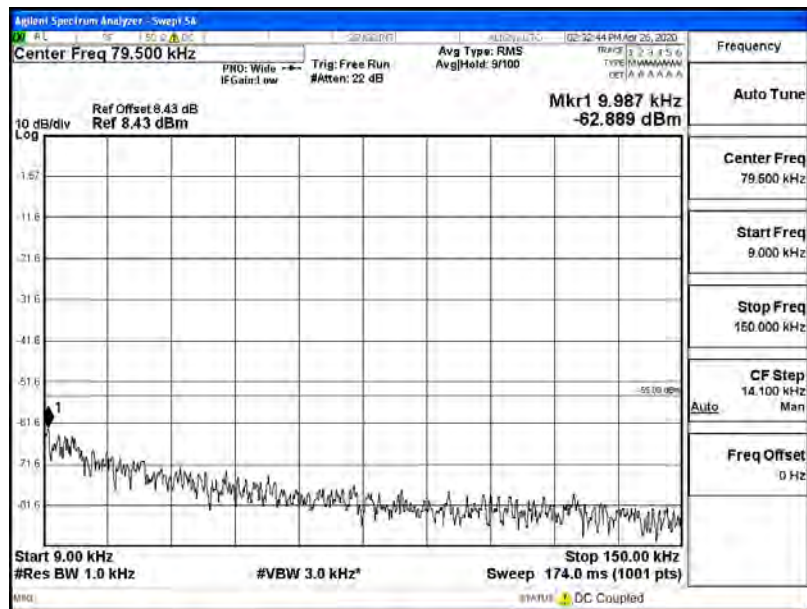
(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#0



(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#12

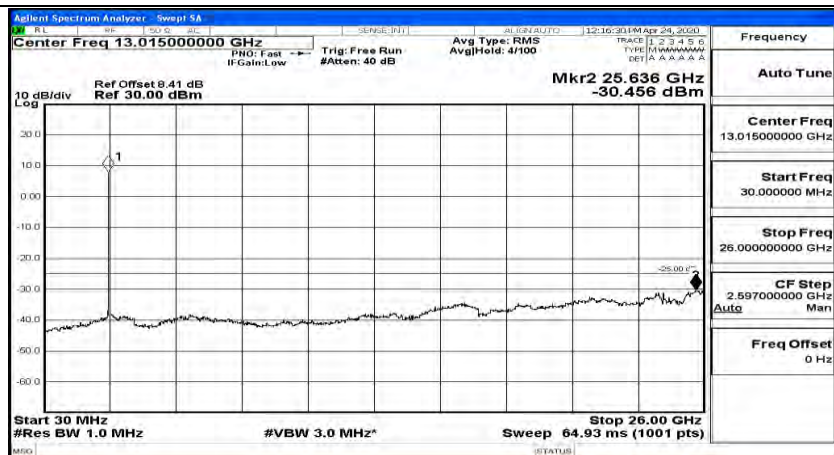
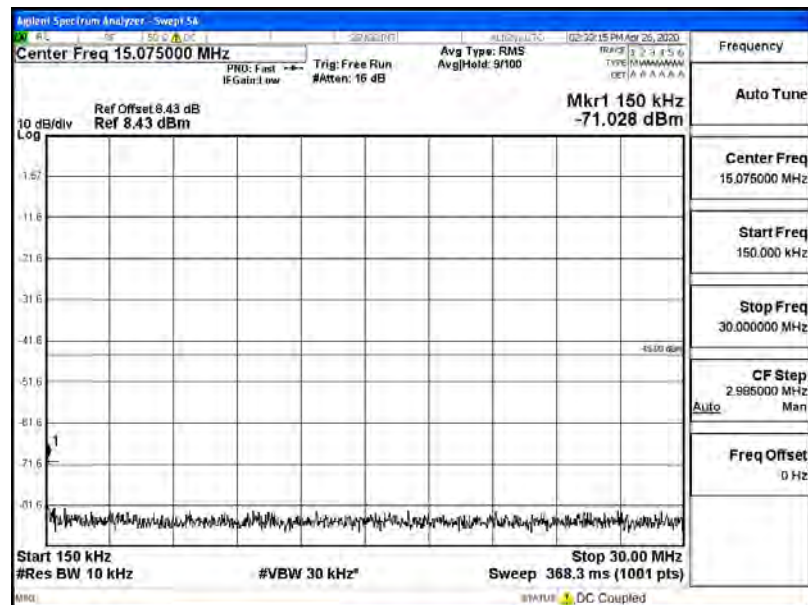
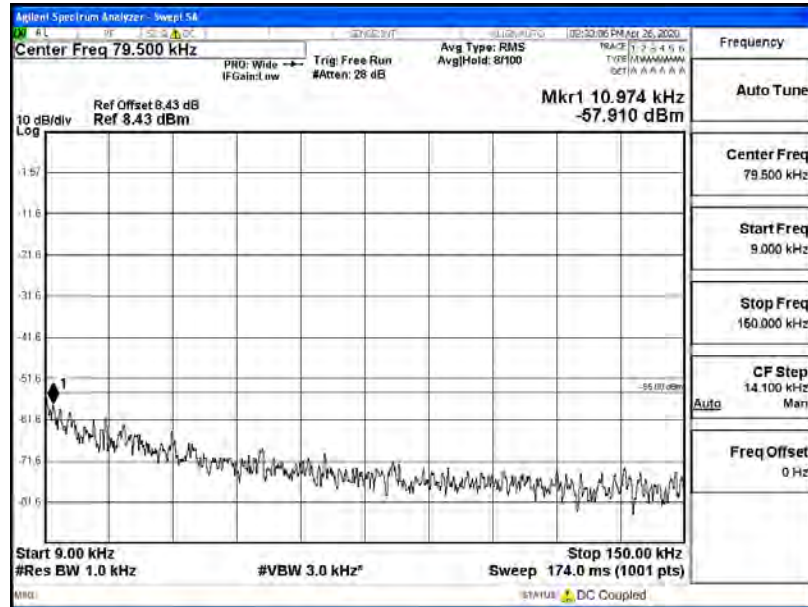


(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#24

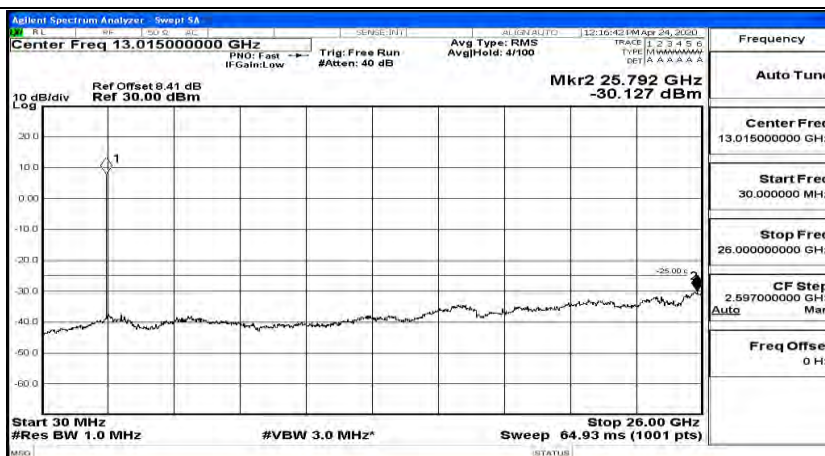
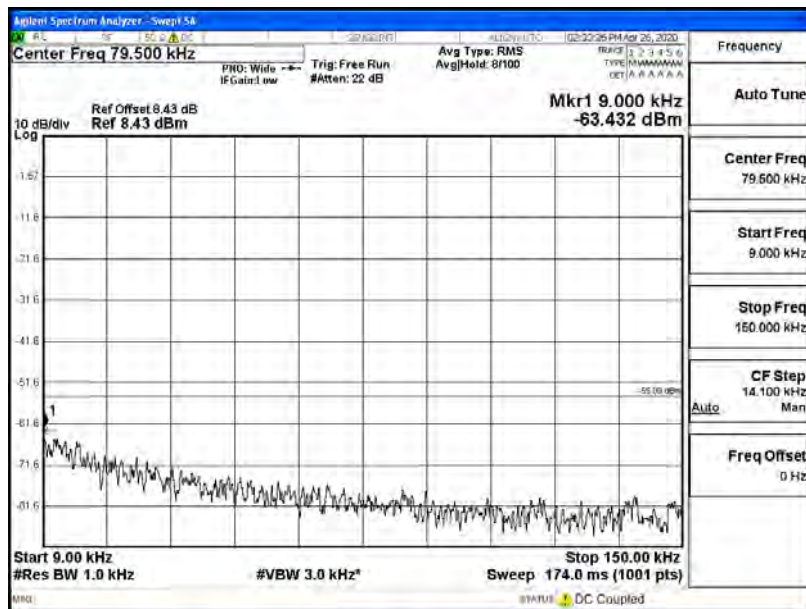
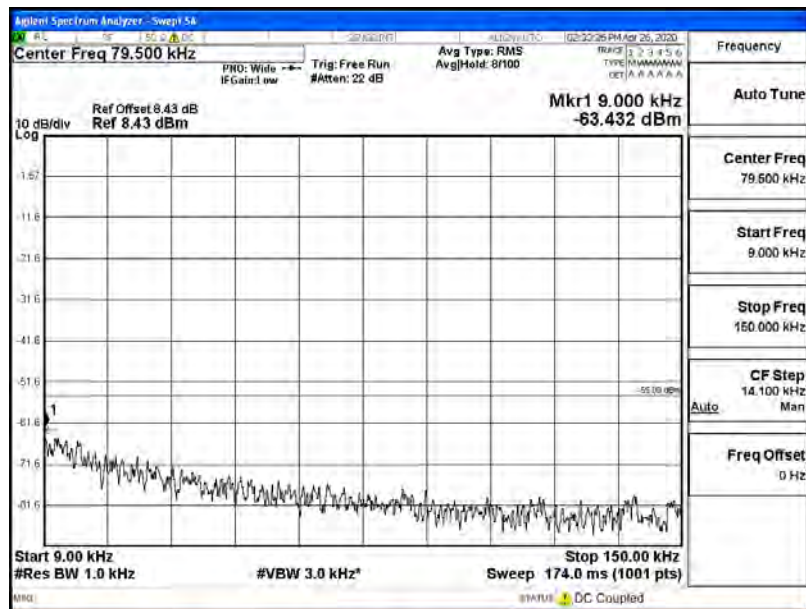




(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#0

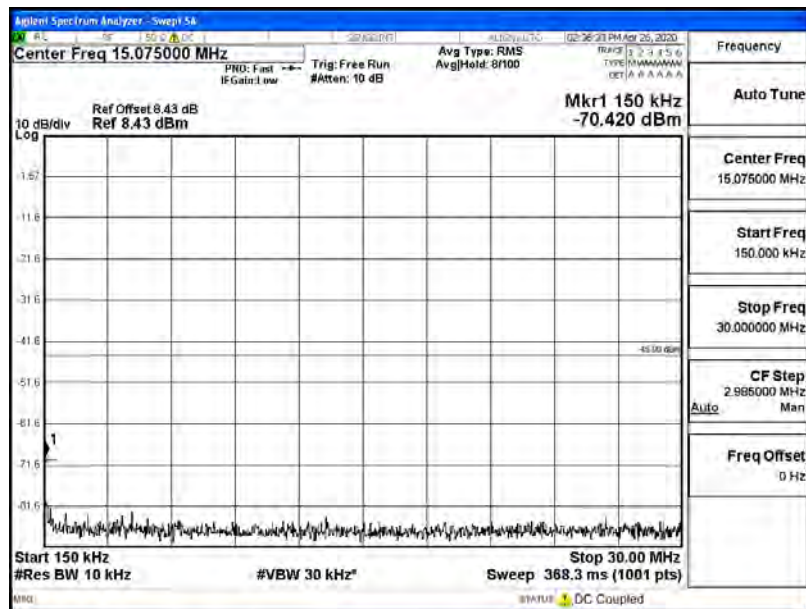
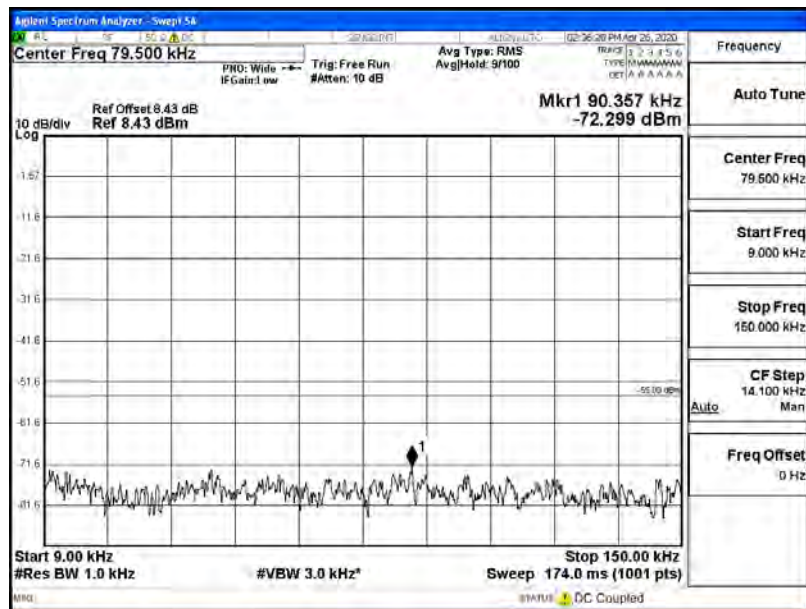


(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#12

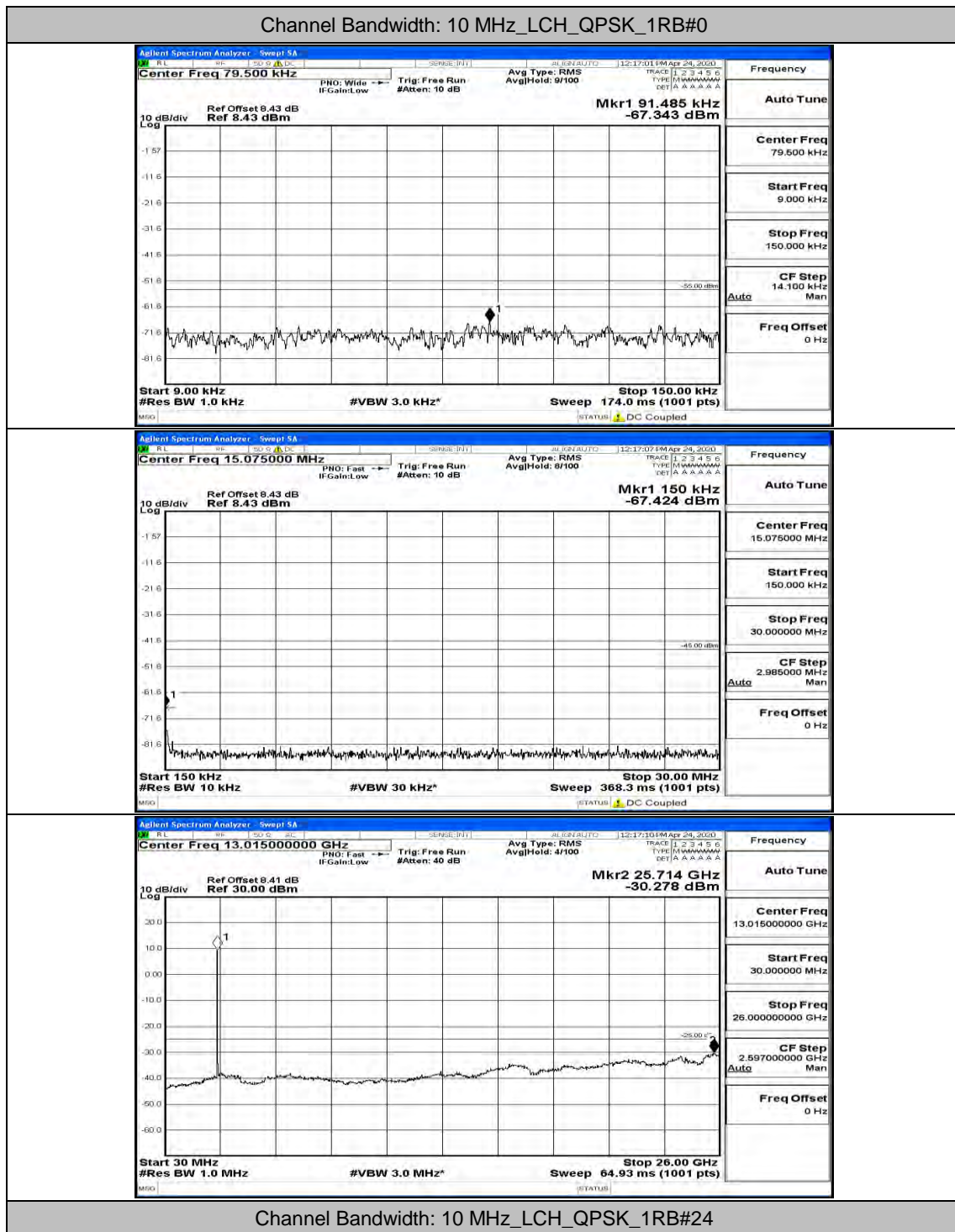


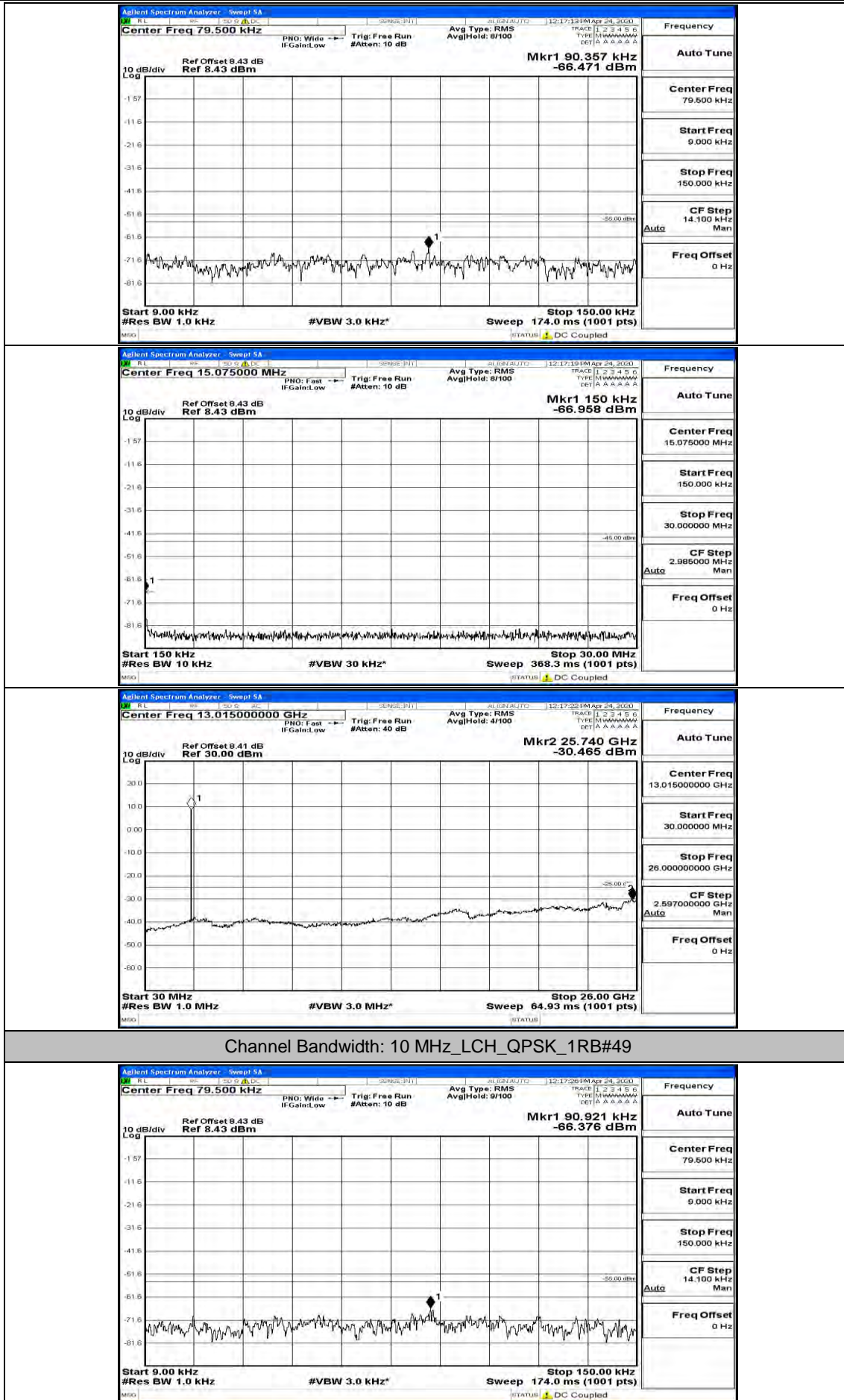
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#24



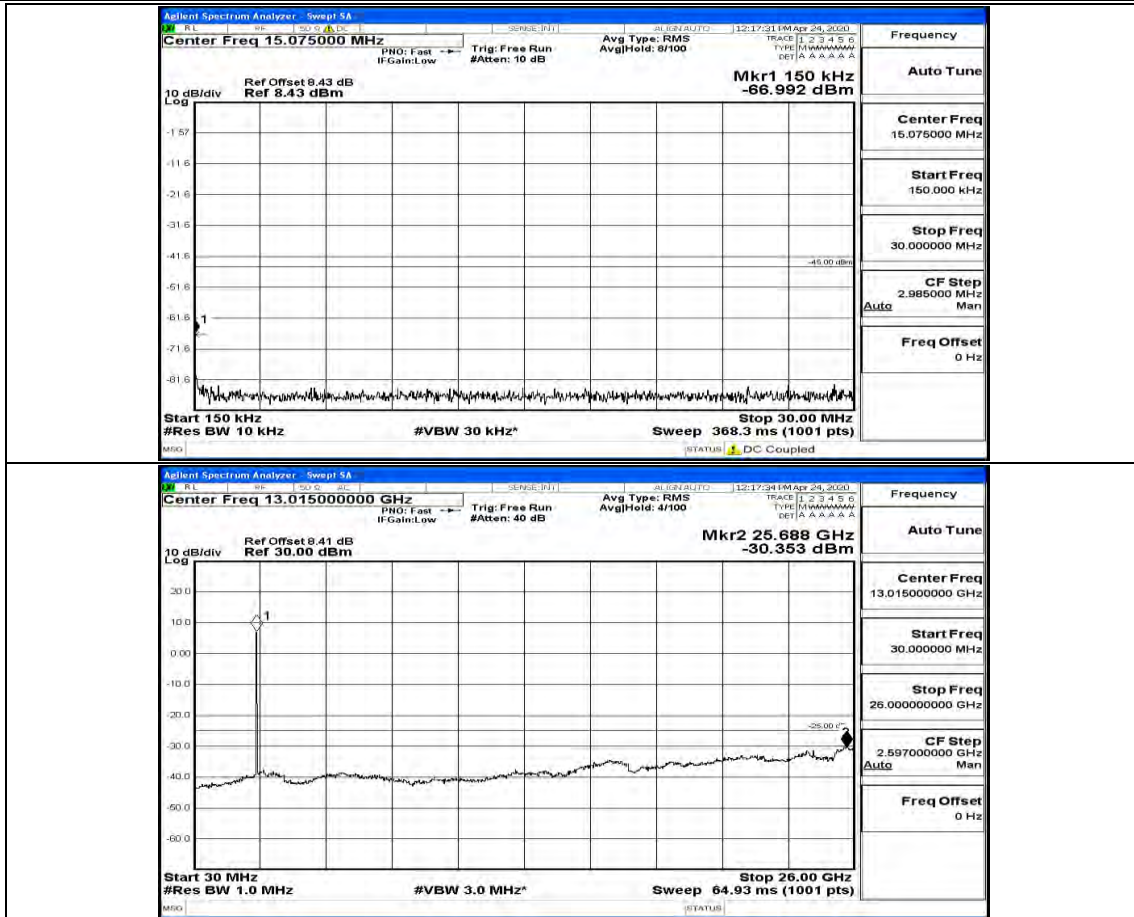


## Channel Bandwidth: 10 MHz

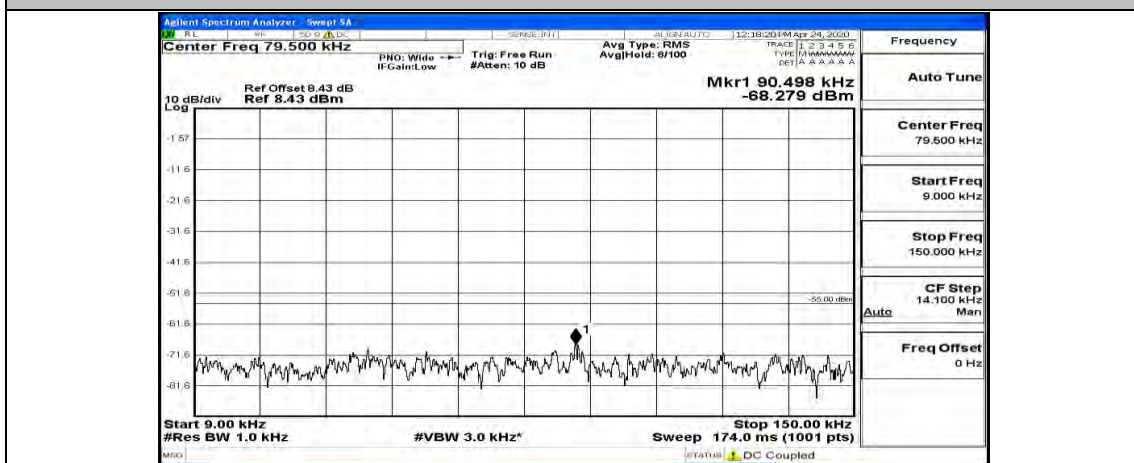


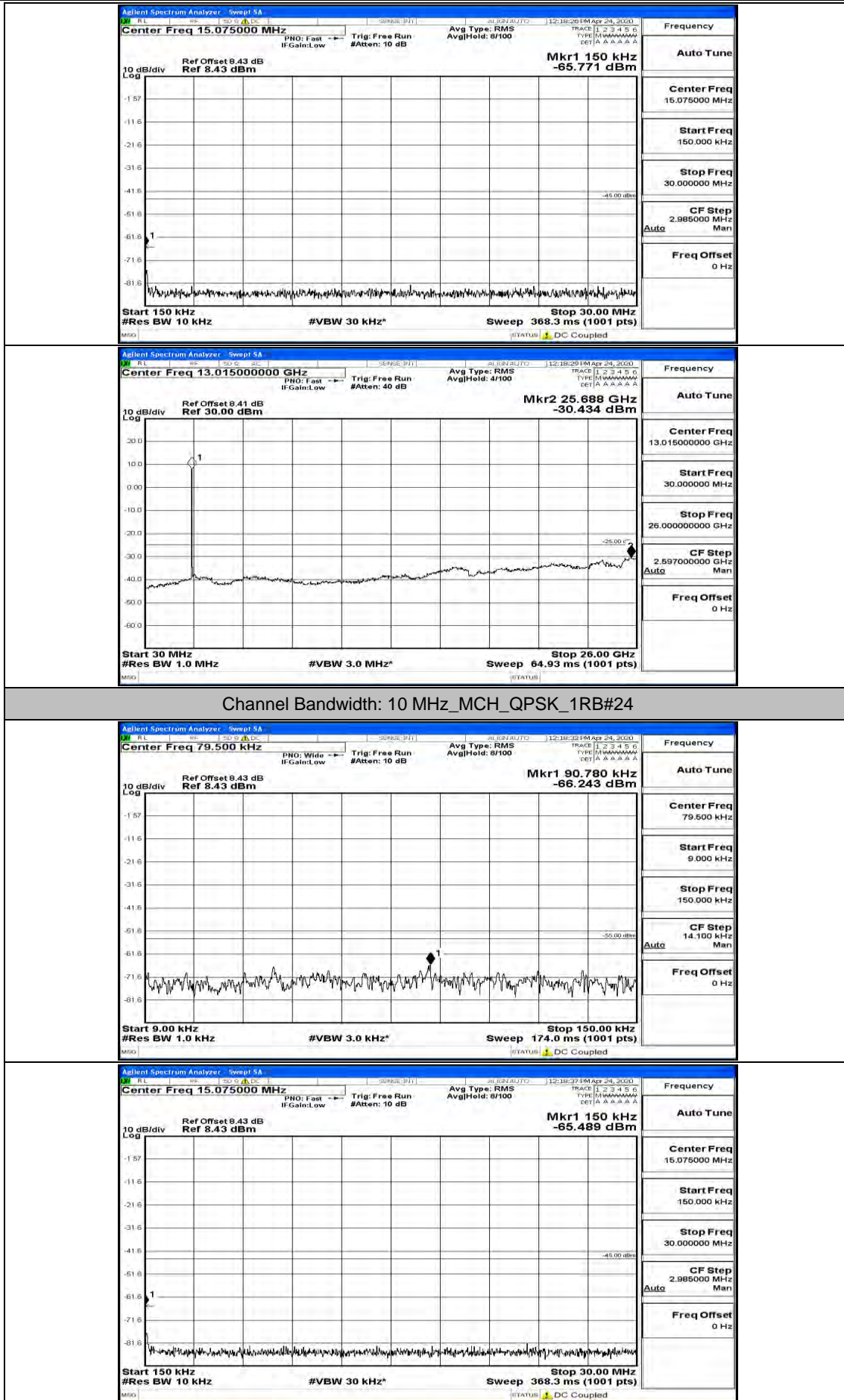




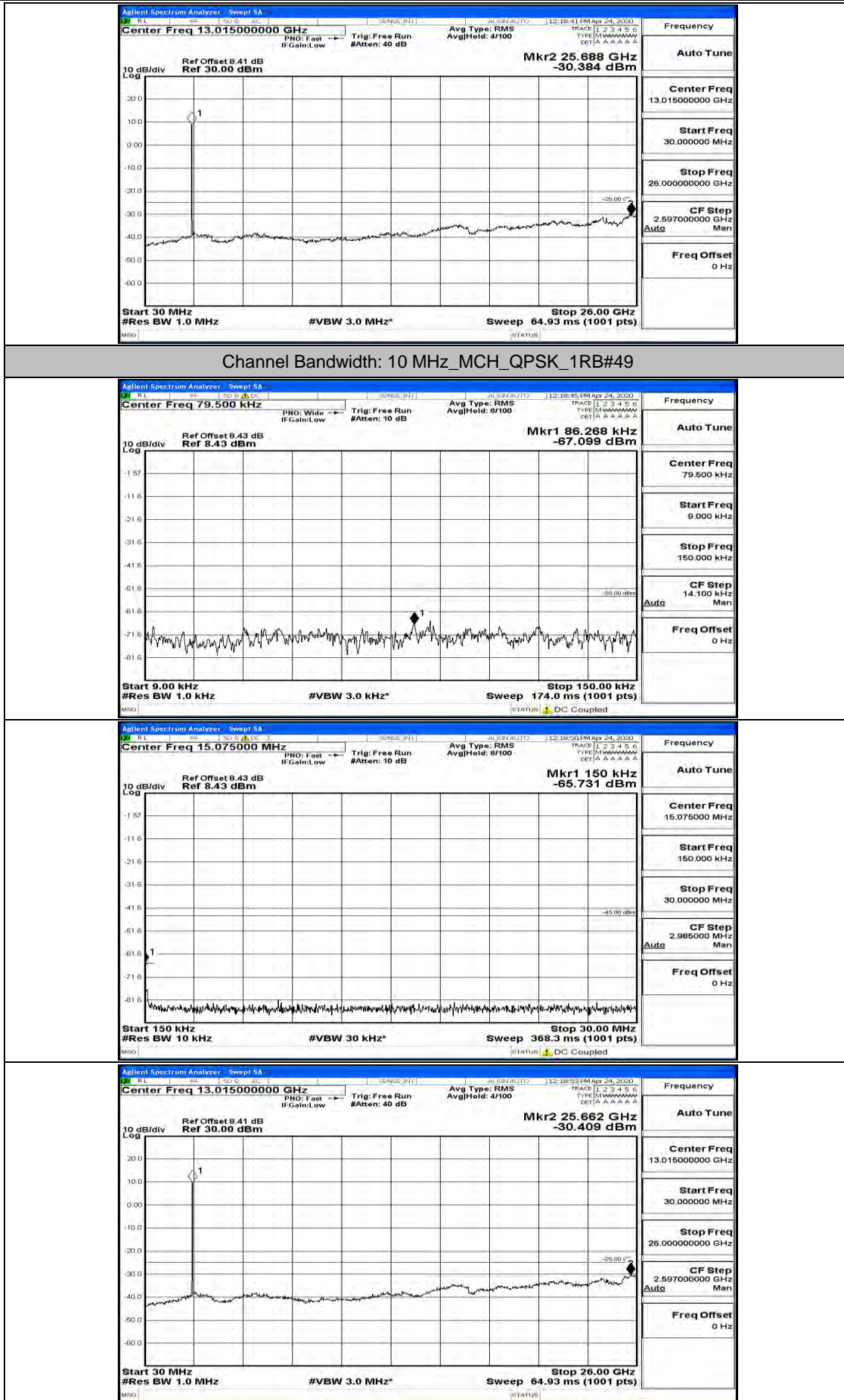


## Channel Bandwidth: 10 MHz\_MCH\_QPSK\_1RB#0

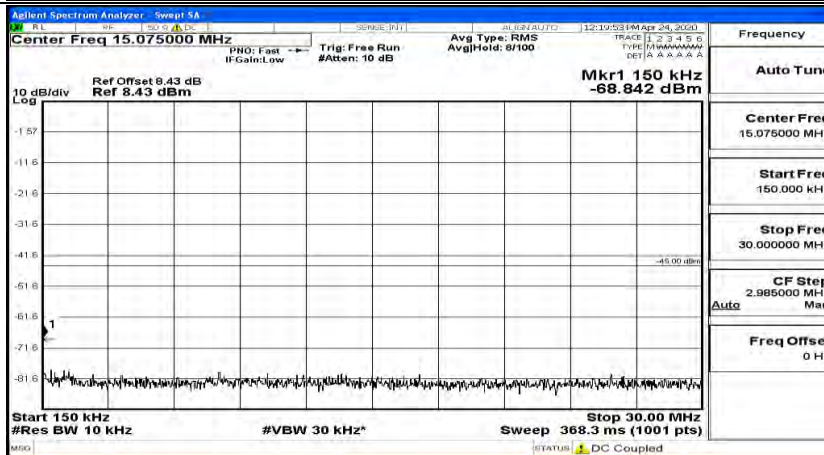
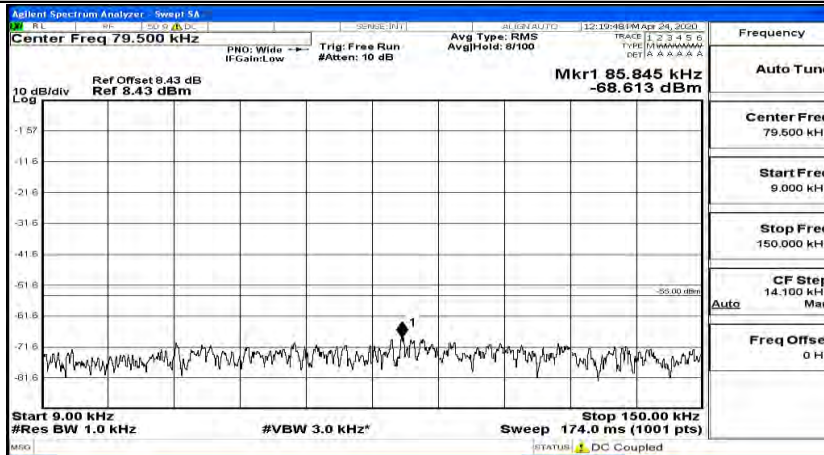




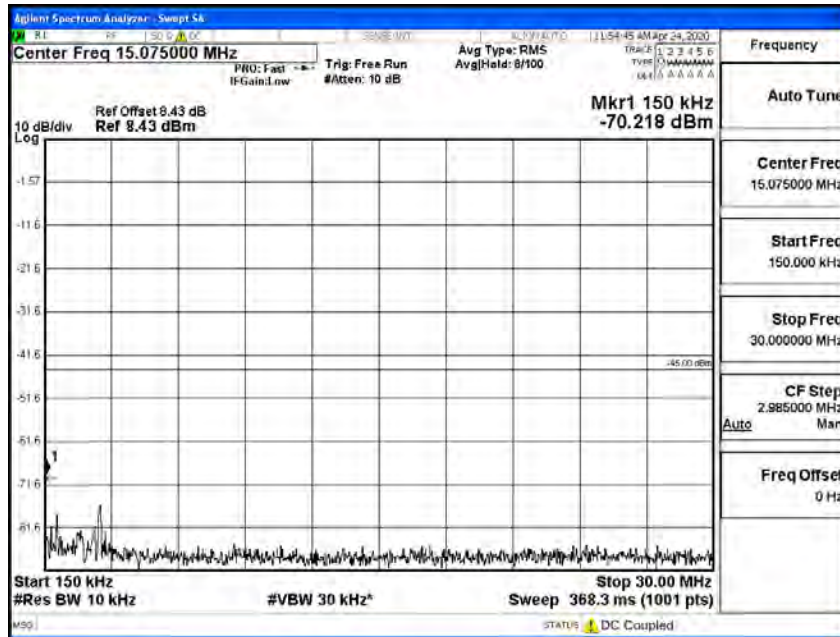
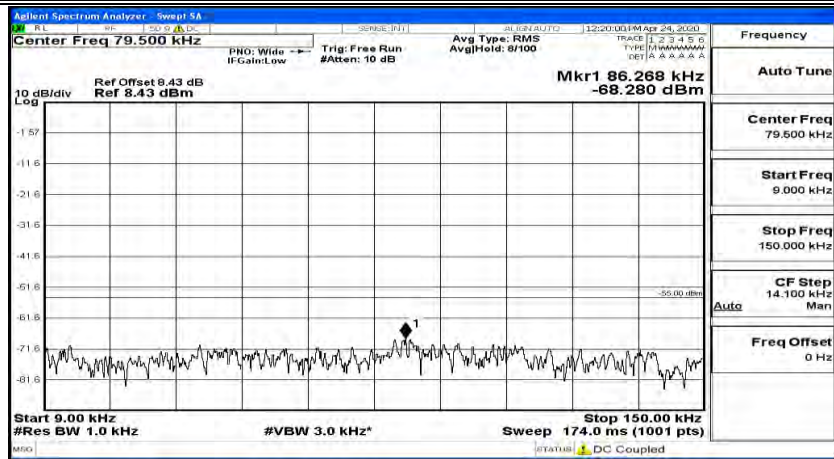




Channel Bandwidth: 10 MHz\_HCH\_QPSK\_1RB#0

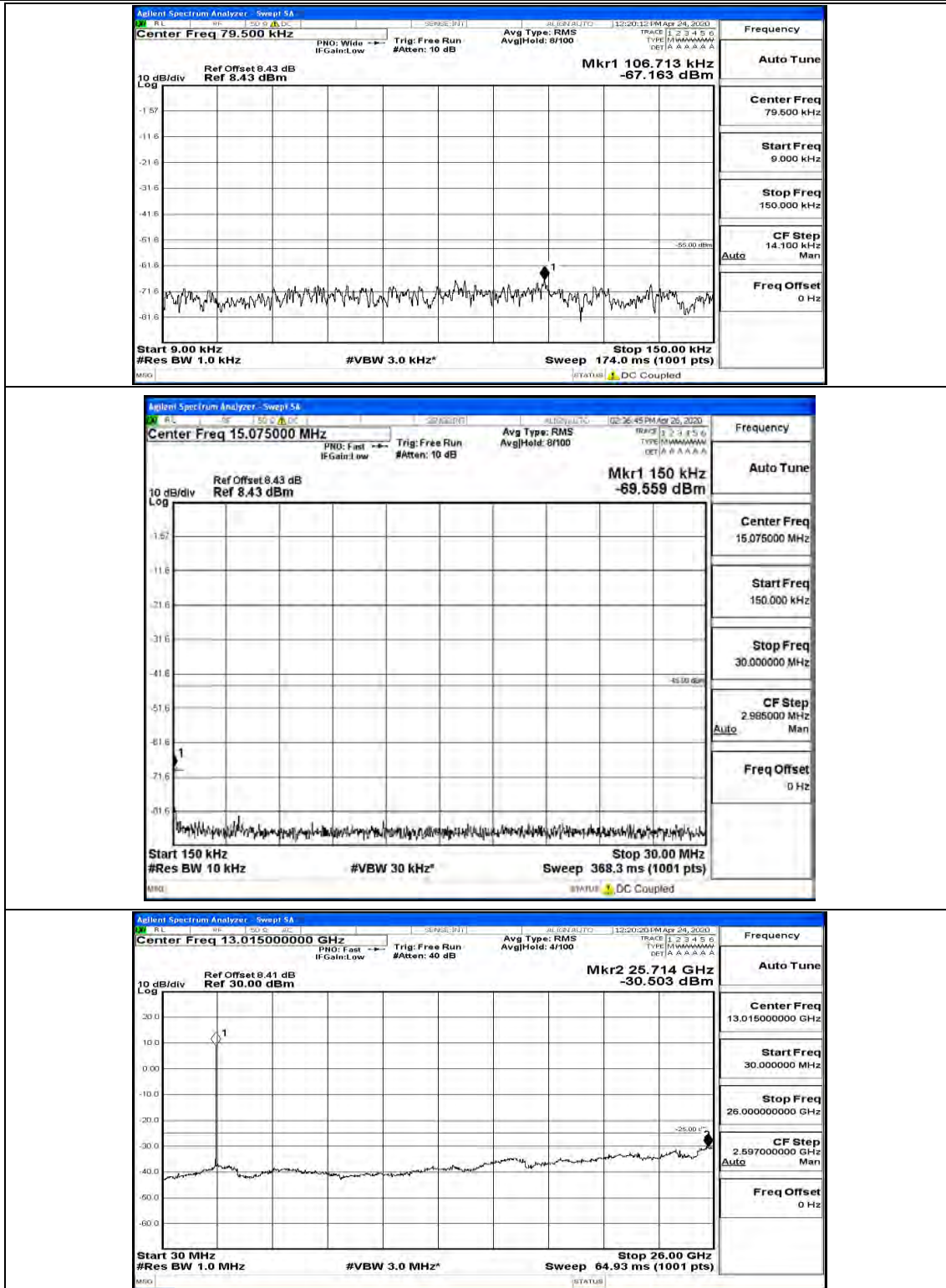


Channel Bandwidth: 10 MHz\_HCH\_QPSK\_1RB#24



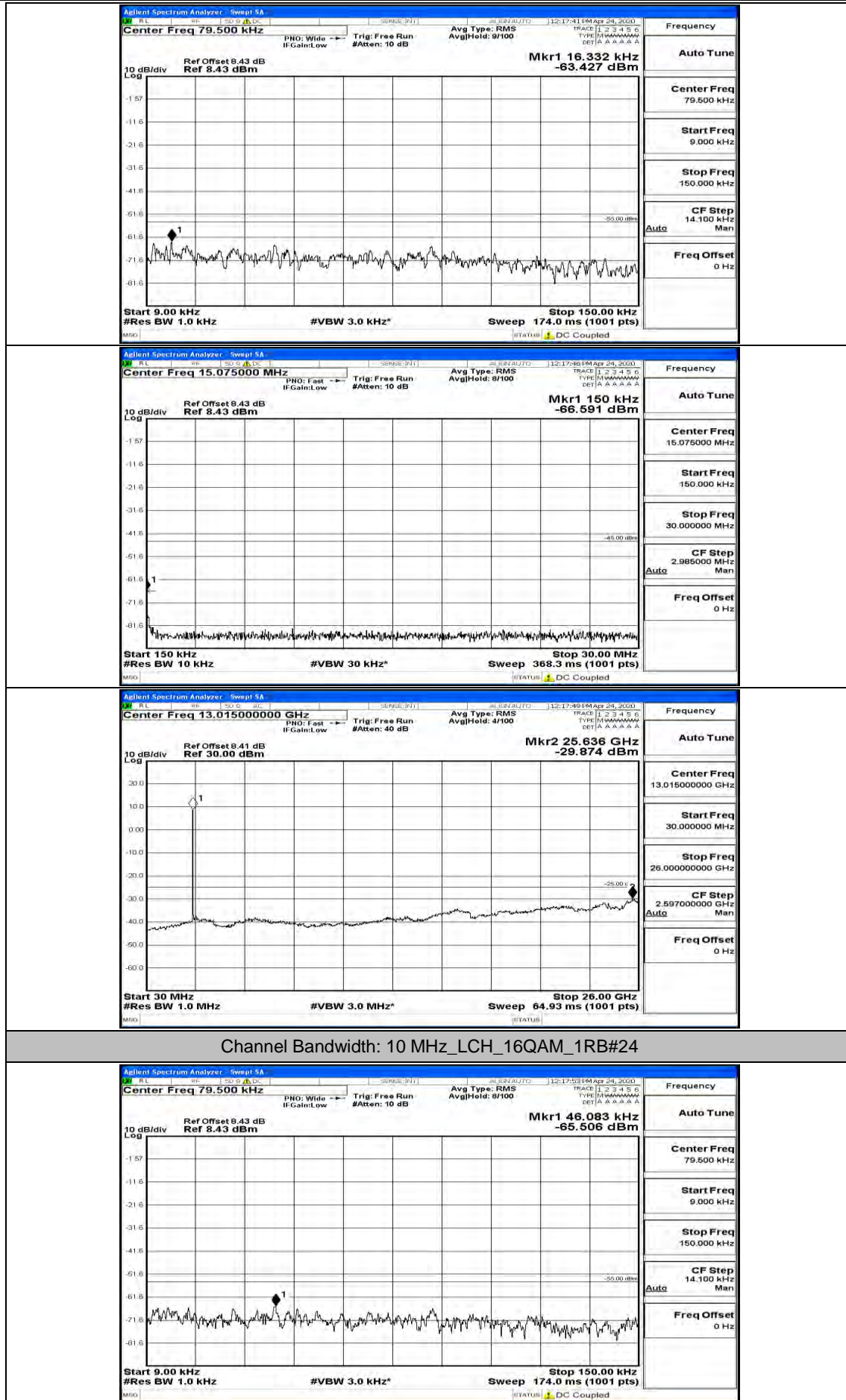
Channel Bandwidth: 10 MHz\_HCH\_QPSK\_1RB#49

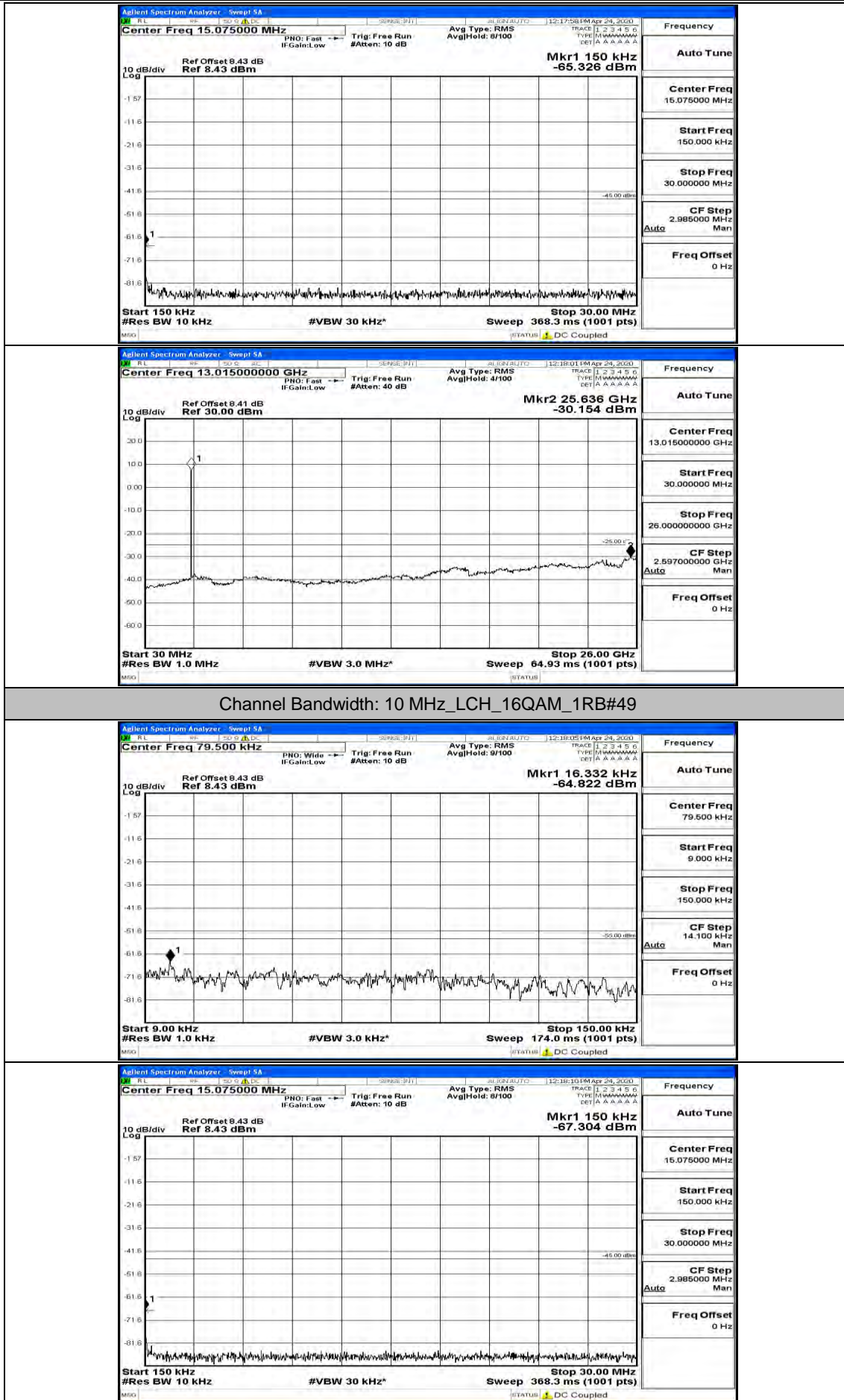


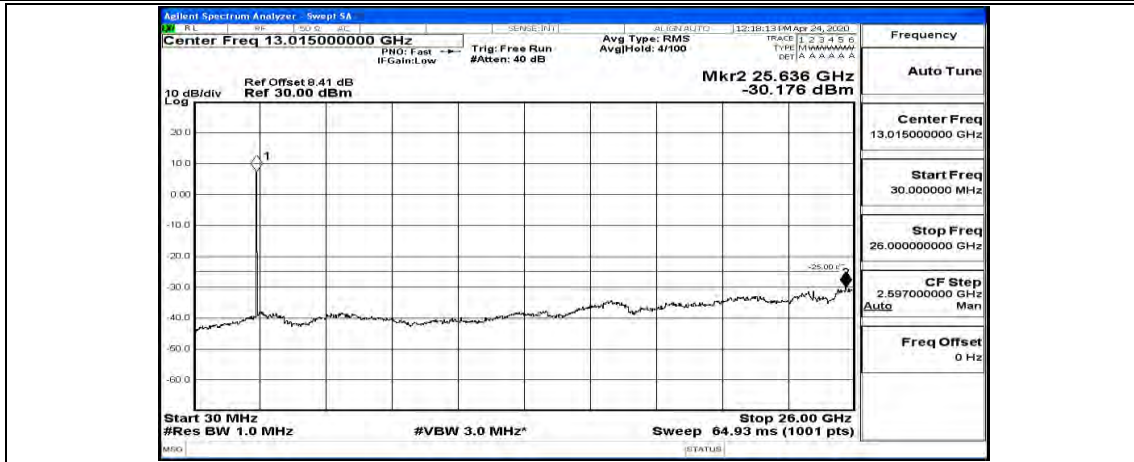


Channel Bandwidth: 10 MHz\_LCH\_16QAM\_1RB#0

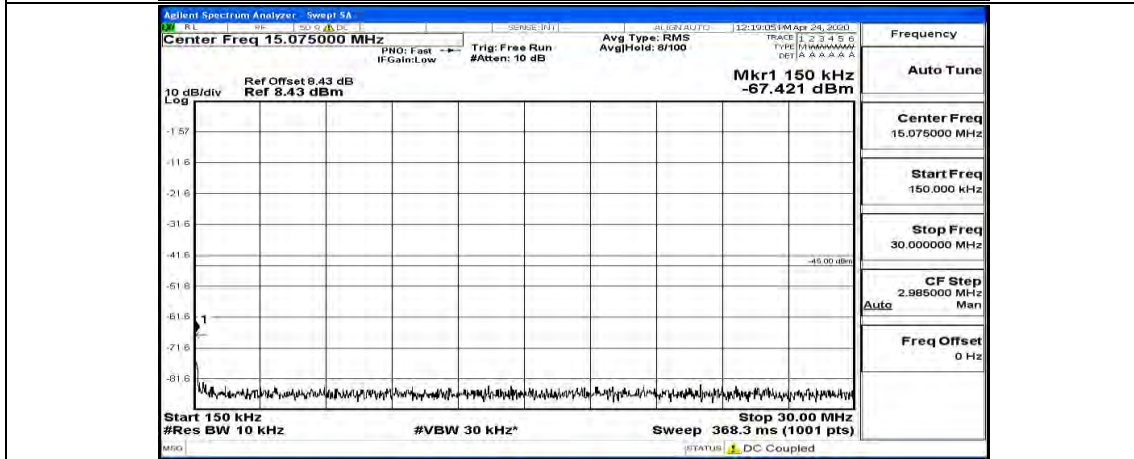
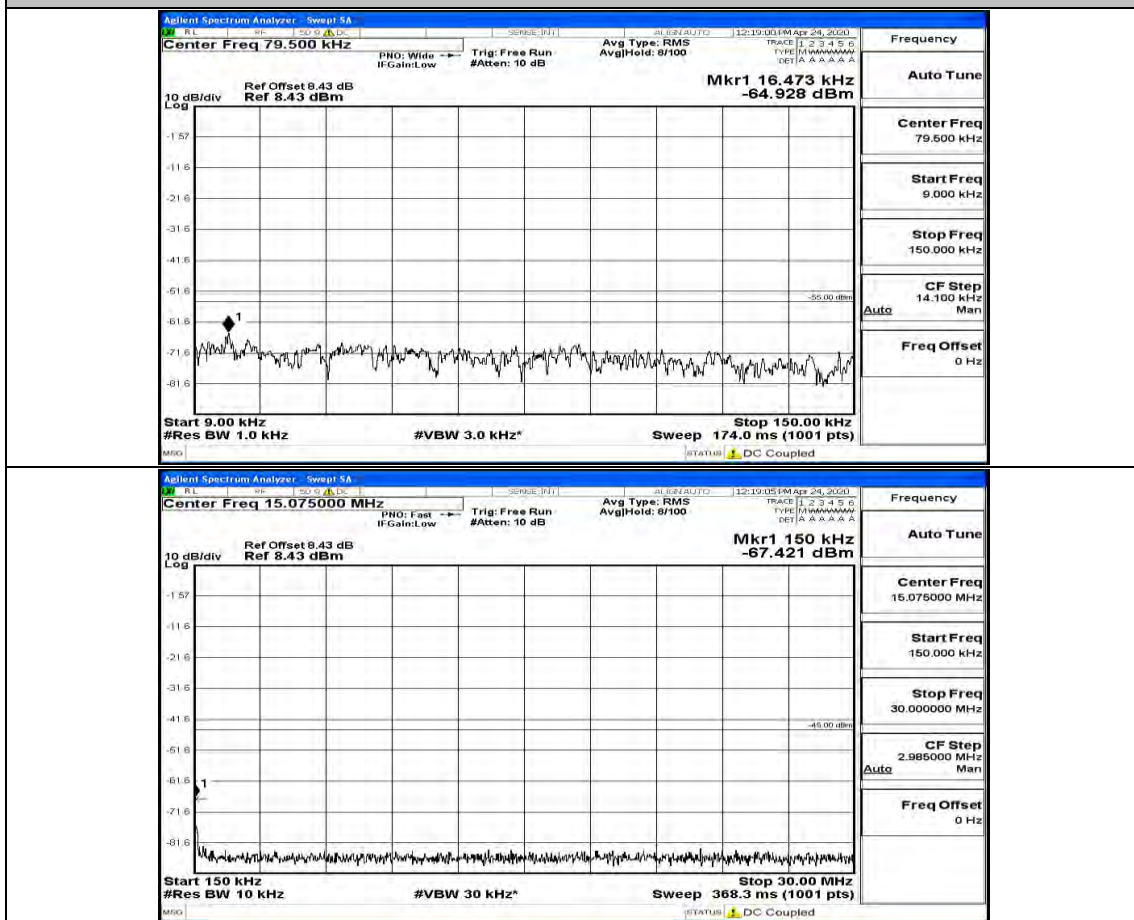




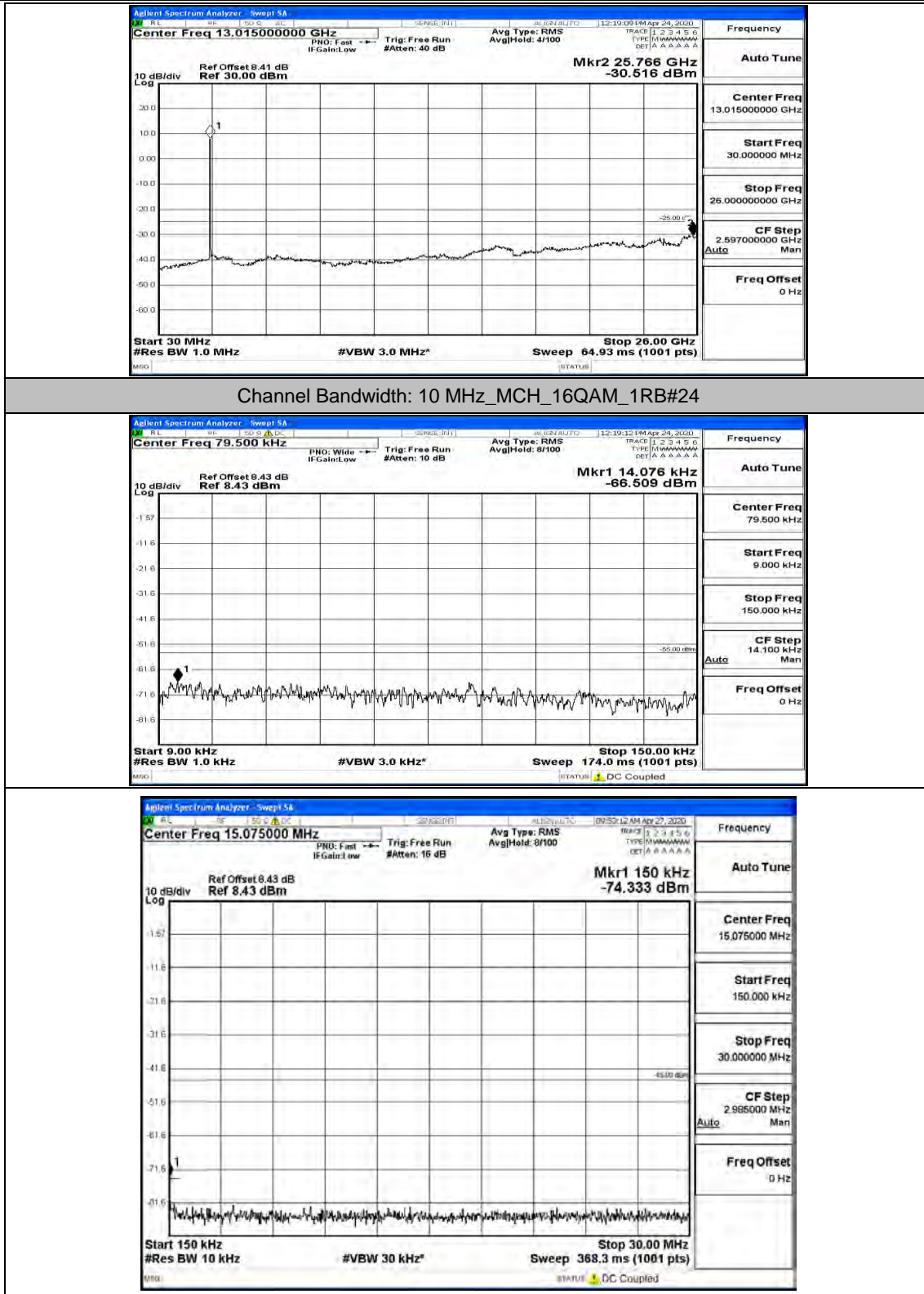




## Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#0



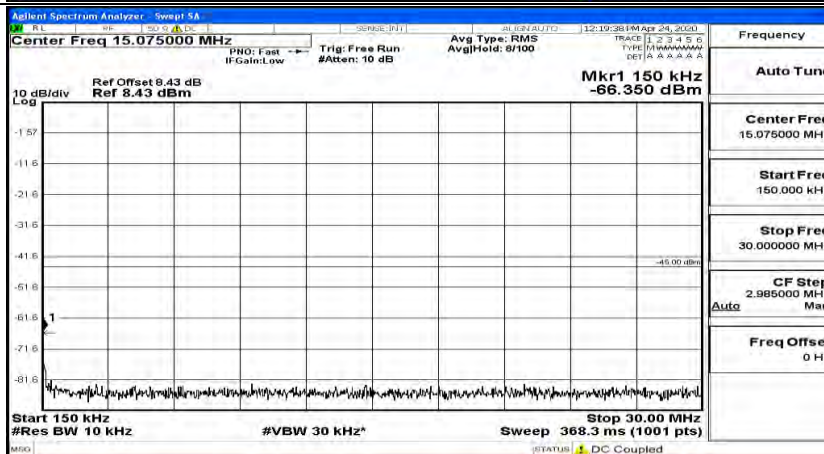
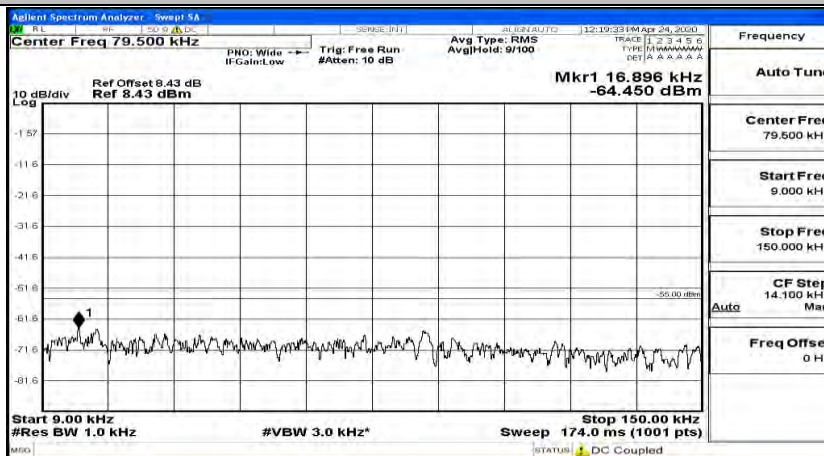






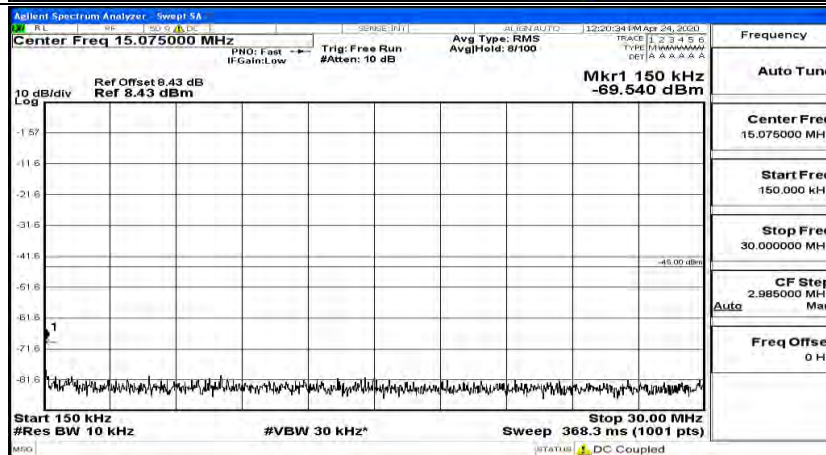
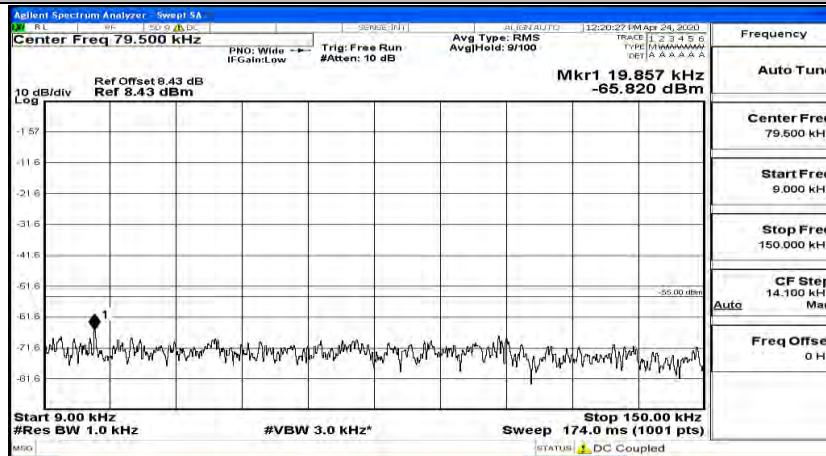


Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#49

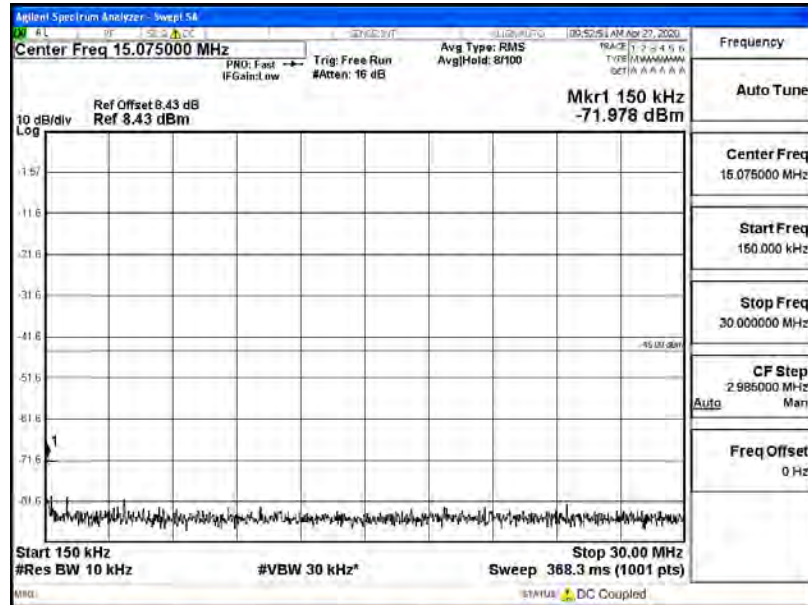
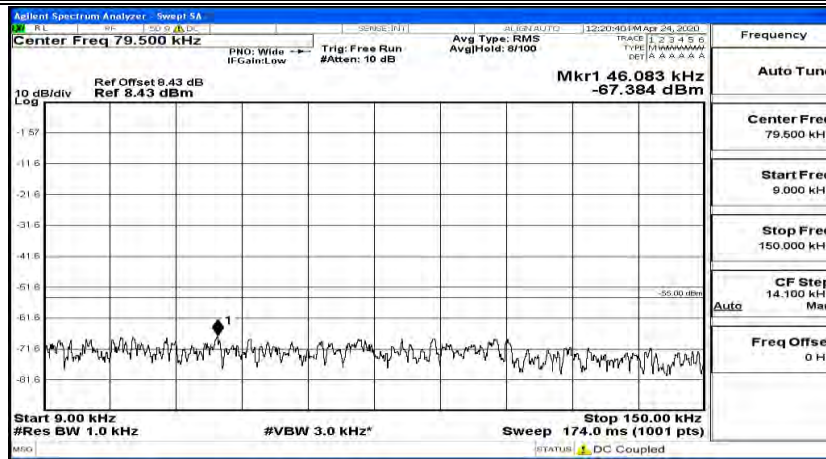




## Channel Bandwidth: 10 MHz\_HCH\_16QAM\_1RB#0

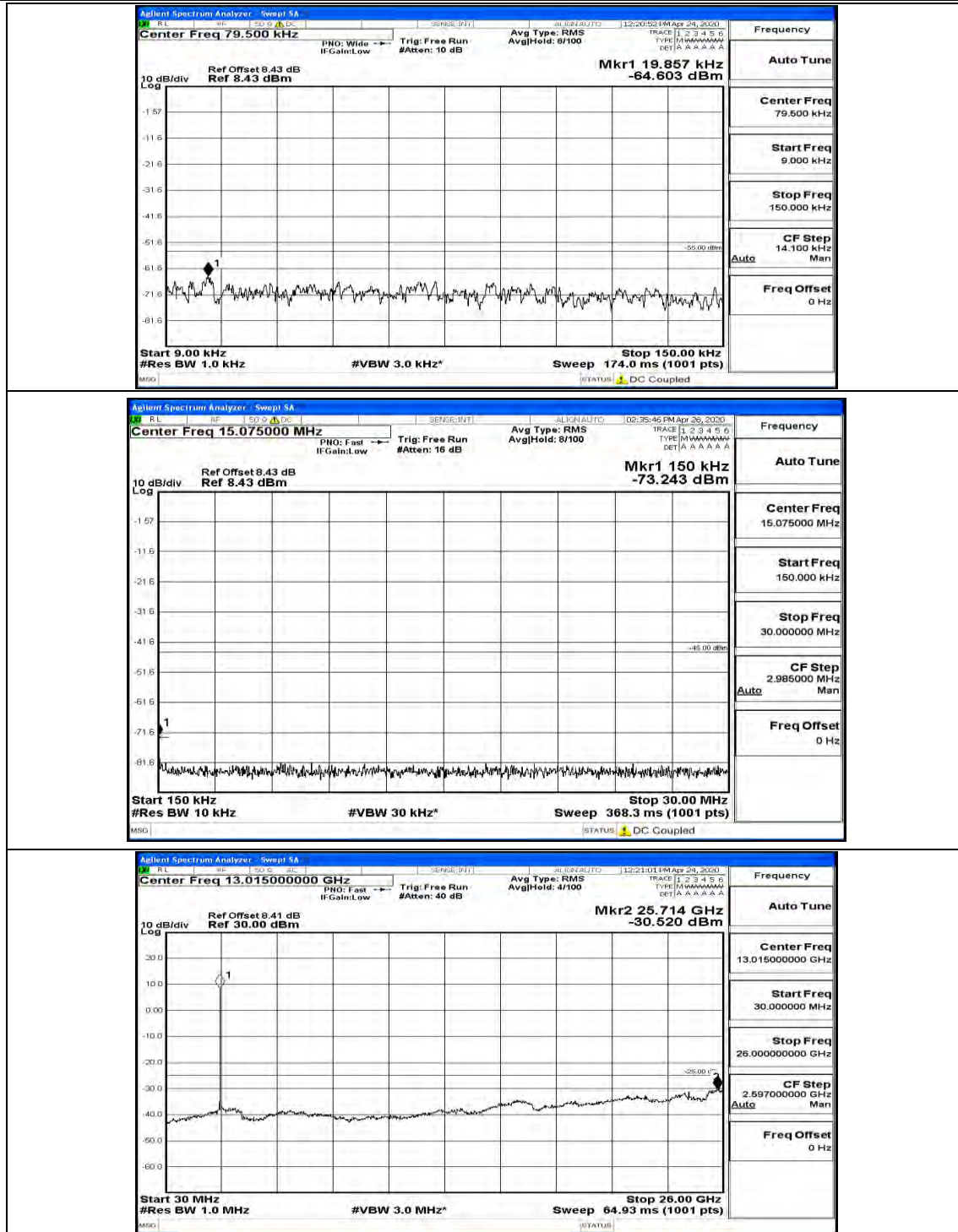


## Channel Bandwidth: 10 MHz\_HCH\_16QAM\_1RB#24



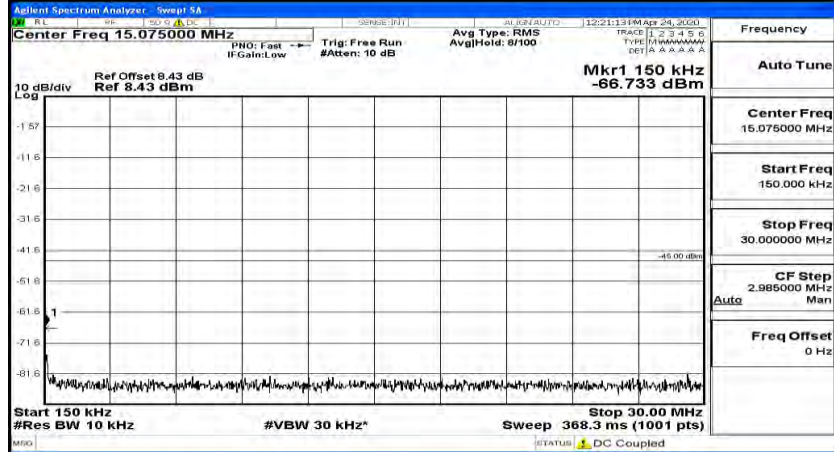
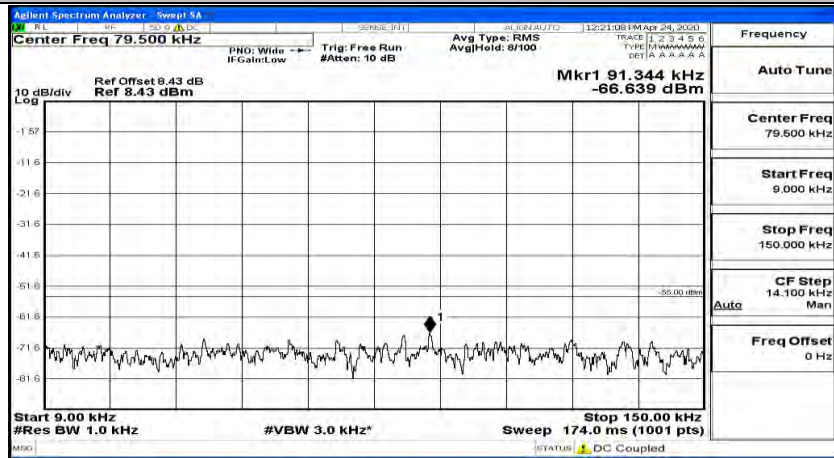
Channel Bandwidth: 10 MHz\_HCH\_16QAM\_1RB#49



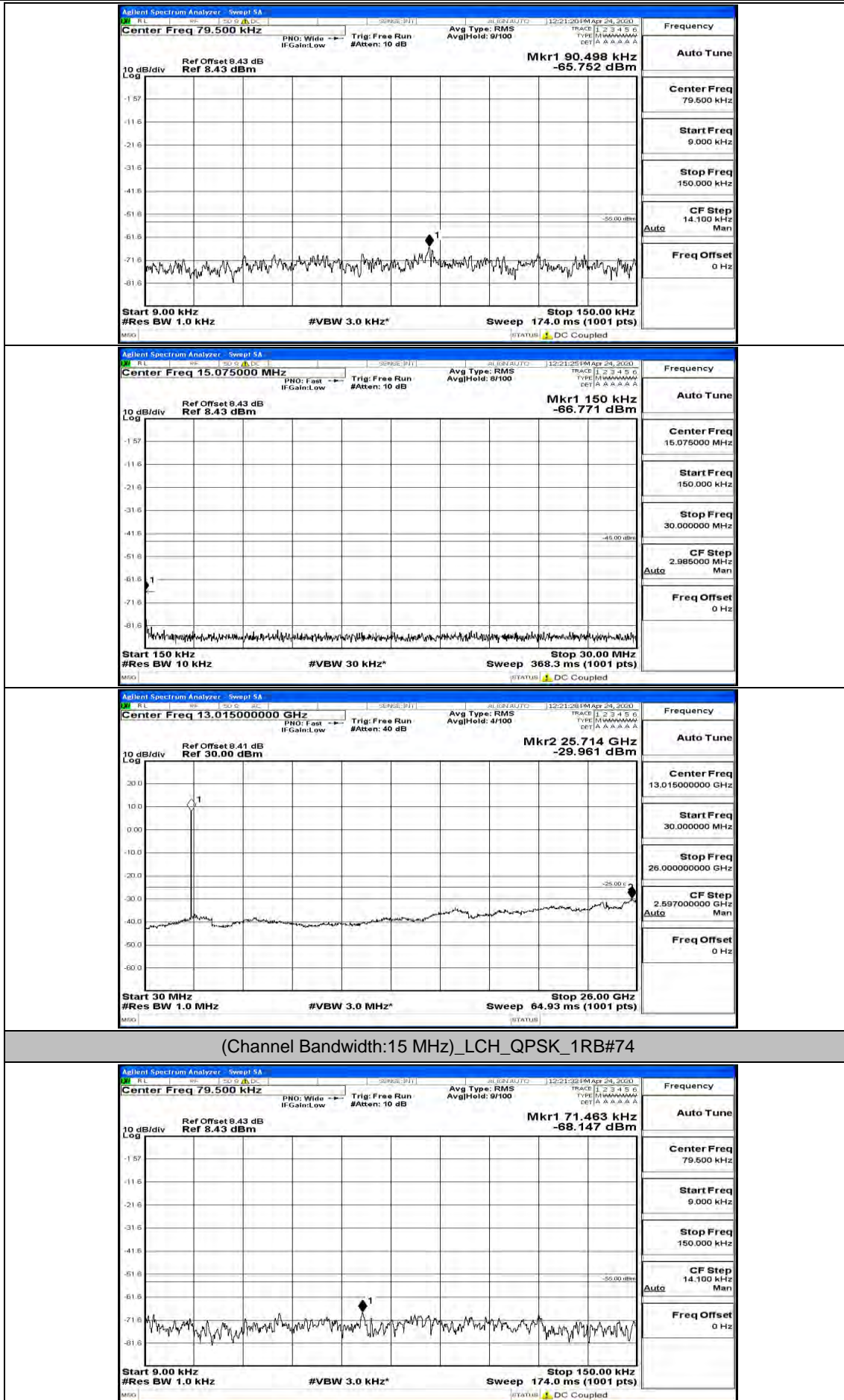


## Channel Bandwidth: 15 MHz

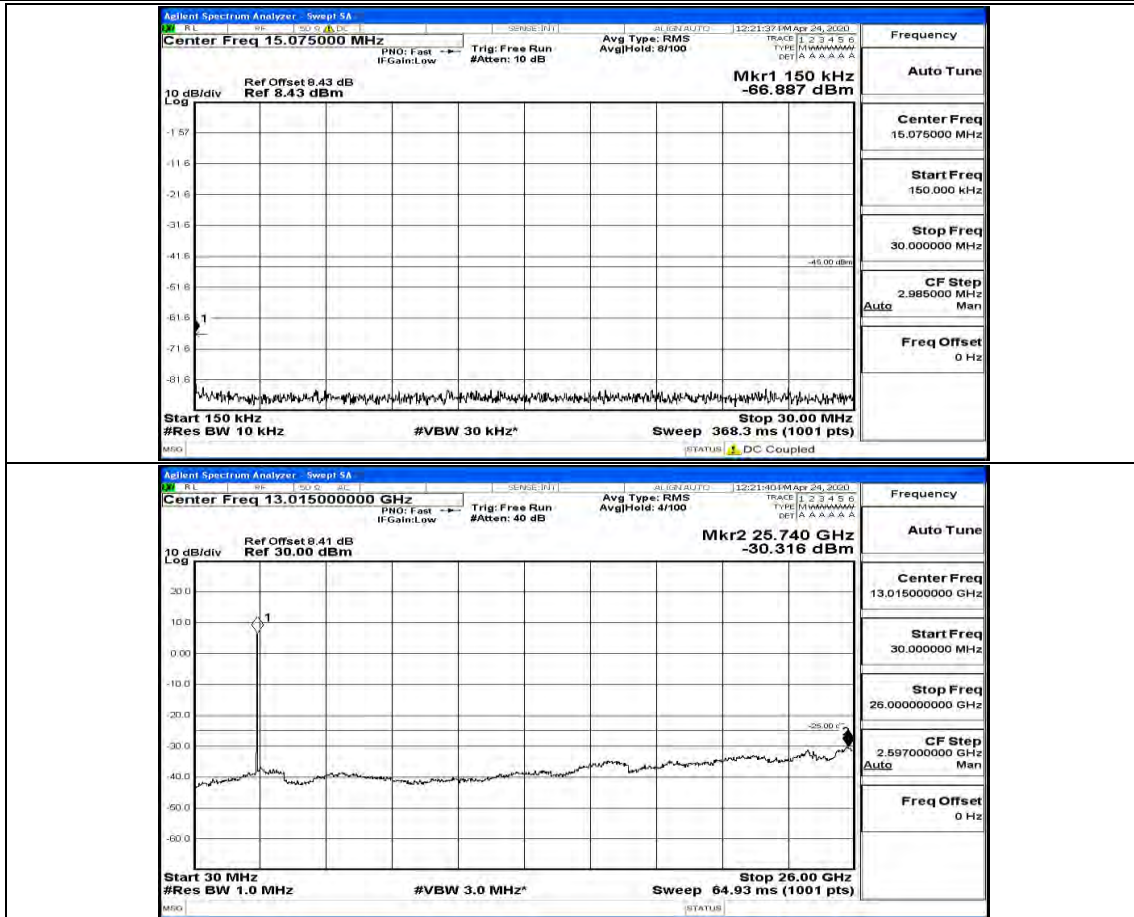
(Channel Bandwidth:15 MHz)\_LCH\_QPSK\_1RB#0



(Channel Bandwidth:15 MHz)\_LCH\_QPSK\_1RB#37







(Channel Bandwidth:15 MHz)\_MCH\_QPSK\_1RB#0

