

## Appendix J for LTE Band 41

Product Name: Tablet pc

Trade Mark: N/A

Test Model: 7LB1

### Environmental Conditions

Temperature:	23.2 ° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Tom.Liu

### J.1 Conducted Output Power

Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]		Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	22.78	21.38	PASS
		1	12	23.13	21.60	PASS
		1	24	22.57	21.06	PASS
		12	0	21.90	20.75	PASS
		12	6	21.96	20.71	PASS
		12	13	21.82	20.88	PASS
		25	0	21.87	20.98	PASS
	MCH	1	0	22.80	21.55	PASS
		1	12	23.02	21.69	PASS
		1	24	22.62	21.42	PASS
		12	0	21.90	21.01	PASS
		12	6	21.95	20.96	PASS
		12	13	21.84	20.87	PASS
		25	0	21.80	20.93	PASS
	HCH	1	0	23.82	22.69	PASS
		1	12	24.07	22.71	PASS
		1	24	23.80	22.45	PASS
		12	0	23.00	22.15	PASS
		12	6	23.09	22.06	PASS
		12	13	22.94	21.99	PASS
		25	0	23.02	21.91	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	23.12	22.46	PASS
		1	24	23.22	22.47	PASS
		1	49	22.52	21.76	PASS
		25	0	22.06	21.07	PASS
		25	12	22.04	21.06	PASS
		25	25	21.67	20.64	PASS
		50	0	21.81	20.92	PASS
	MCH	1	0	22.94	22.89	PASS
		1	24	23.08	23.01	PASS
		1	49	22.41	22.40	PASS
		25	0	22.02	20.97	PASS
		25	12	21.99	20.94	PASS
		25	25	21.84	20.79	PASS
		50	0	21.92	20.99	PASS
	HCH	1	0	24.10	23.25	PASS
		1	24	24.39	23.50	PASS
		1	49	23.91	22.89	PASS
		25	0	23.08	22.32	PASS
		25	12	23.06	22.21	PASS
		25	25	22.90	22.05	PASS
		50	0	23.05	22.04	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	22.87	22.36	PASS
		1	37	22.78	22.25	PASS
		1	74	22.47	21.79	PASS
		37	0	21.88	20.80	PASS
		37	18	21.73	20.76	PASS
		37	38	21.57	20.49	PASS
		75	0	21.65	20.76	PASS
	MCH	1	0	23.18	22.40	PASS
		1	37	23.10	22.18	PASS
		1	74	22.50	21.66	PASS
		37	0	22.17	21.14	PASS
		37	18	22.08	20.95	PASS
		37	38	21.91	20.67	PASS
		75	0	21.99	21.11	PASS
	HCH	1	0	24.02	22.47	PASS
		1	37	24.43	22.73	PASS
		1	74	23.74	22.22	PASS
		37	0	23.09	22.23	PASS
		37	18	23.07	22.22	PASS
		37	38	22.95	22.04	PASS
		75	0	23.02	22.18	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	22.63	21.70	PASS
		1	49	22.58	21.60	PASS
		1	99	22.41	21.22	PASS
		50	0	21.82	20.83	PASS
		50	25	21.73	20.75	PASS
		50	50	21.65	20.65	PASS
		100	0	21.82	20.85	PASS
	MCH	1	0	23.68	22.64	PASS
		1	49	23.52	22.44	PASS
		1	99	22.73	21.73	PASS
		50	0	22.25	21.25	PASS
		50	25	22.15	21.15	PASS
		50	50	21.84	20.84	PASS
		100	0	22.04	21.09	PASS
	HCH	1	0	23.88	21.93	PASS
		1	49	24.25	22.33	PASS
		1	99	23.30	21.69	PASS
		50	0	23.06	22.13	PASS
		50	25	23.03	21.95	PASS
		50	50	23.02	21.85	PASS
		100	0	23.12	22.17	PASS

**J.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	9.22	<13	PASS
	MCH	10.3	<13	PASS
	HCH	8.37	<13	PASS
16QAM	LCH	8.43	<13	PASS
	MCH	9.02	<13	PASS
	HCH	10.88	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	8.2	<13	PASS
	MCH	8.97	<13	PASS
	HCH	8.04	<13	PASS
16QAM	LCH	9.58	<13	PASS
	MCH	10.48	<13	PASS
	HCH	10.7	<13	PASS

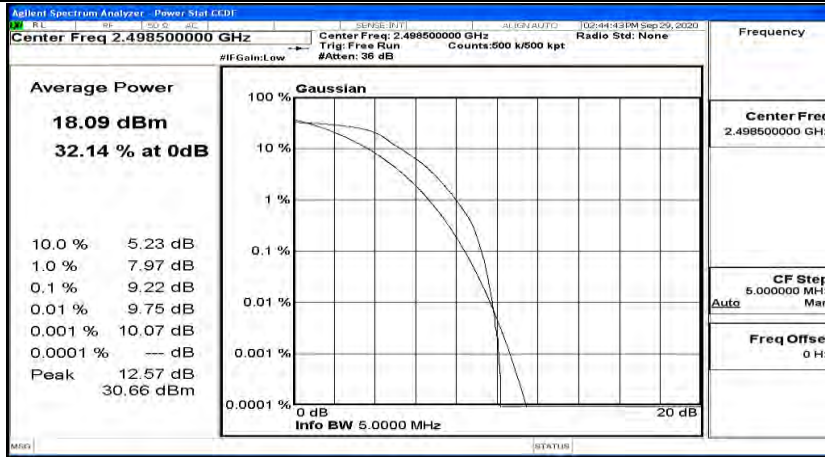
**Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)**

Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	6.9	<13	PASS
	MCH	8.51	<13	PASS
	HCH	8.38	<13	PASS
16QAM	LCH	9.98	<13	PASS
	MCH	9.81	<13	PASS
	HCH	9.07	<13	PASS

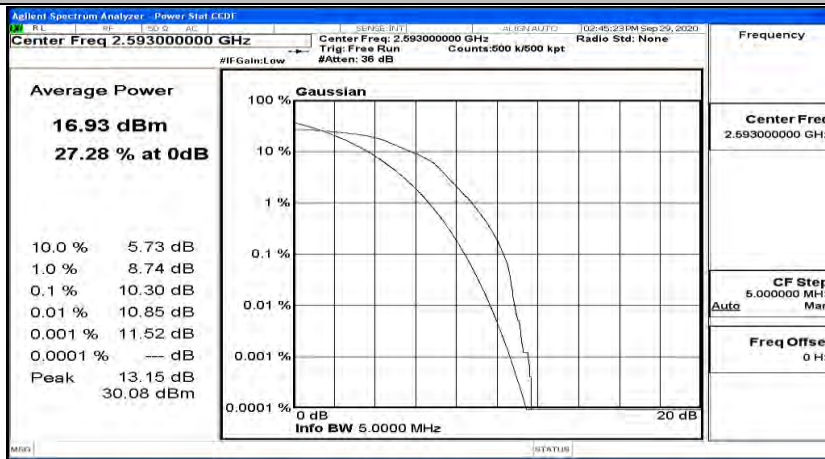
**Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)**

Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	9.39	<13	PASS
	MCH	9.36	<13	PASS
	HCH	9.91	<13	PASS
16QAM	LCH	11.22	<13	PASS
	MCH	10.25	<13	PASS
	HCH	10.15	<13	PASS

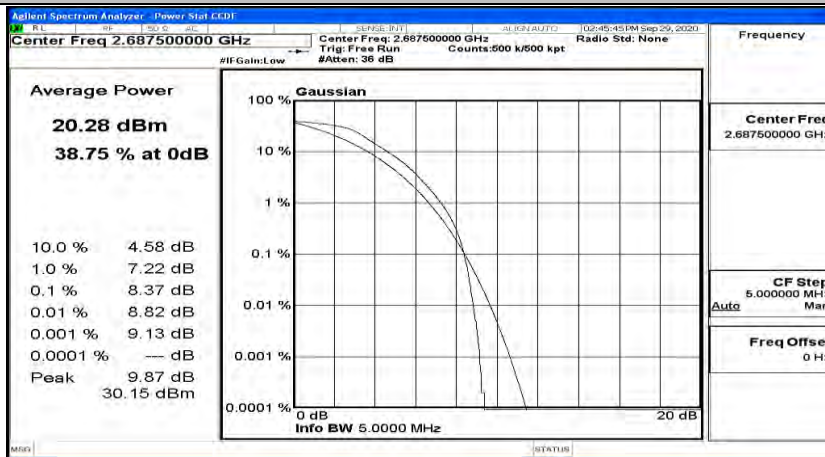
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_QPSK



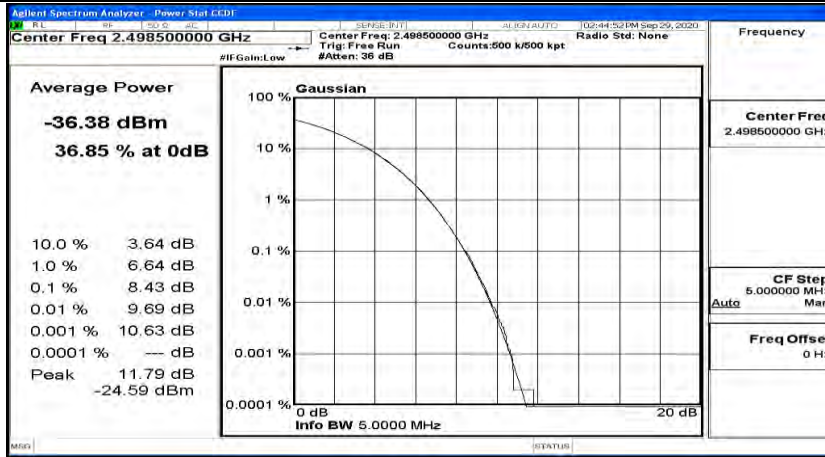
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_QPSK



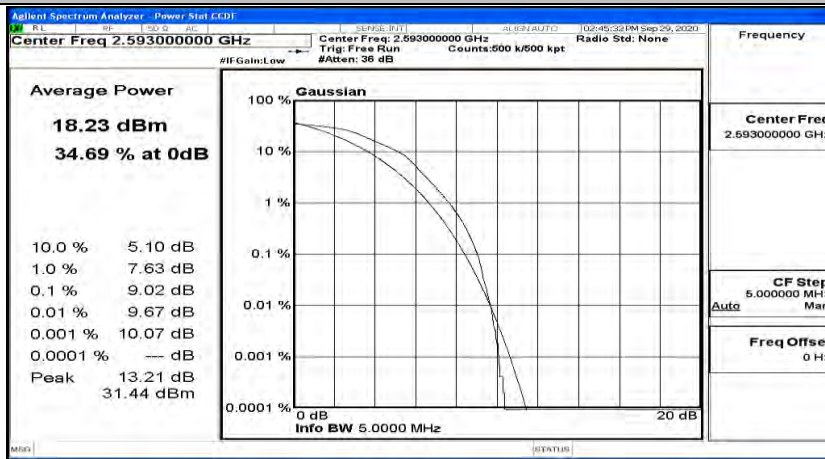
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_QPSK



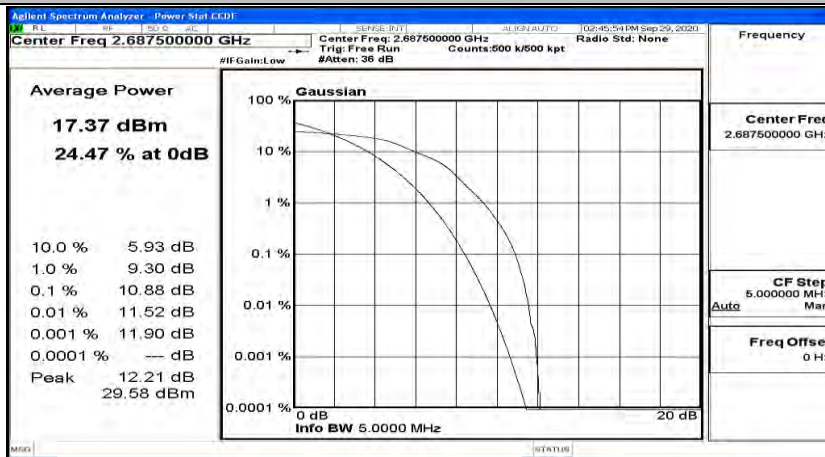
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_16QAM



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

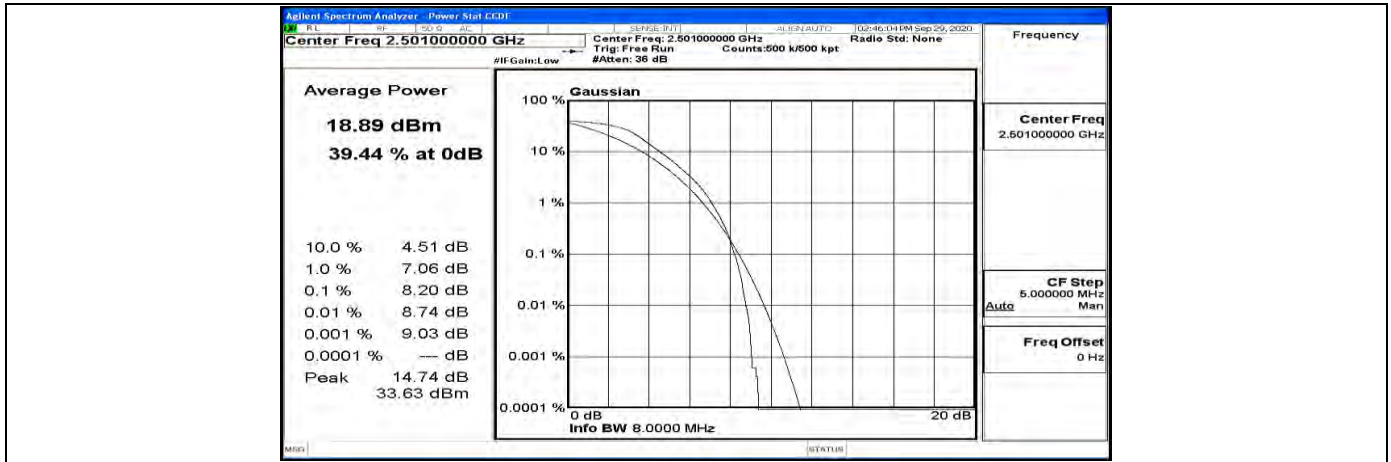


Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM

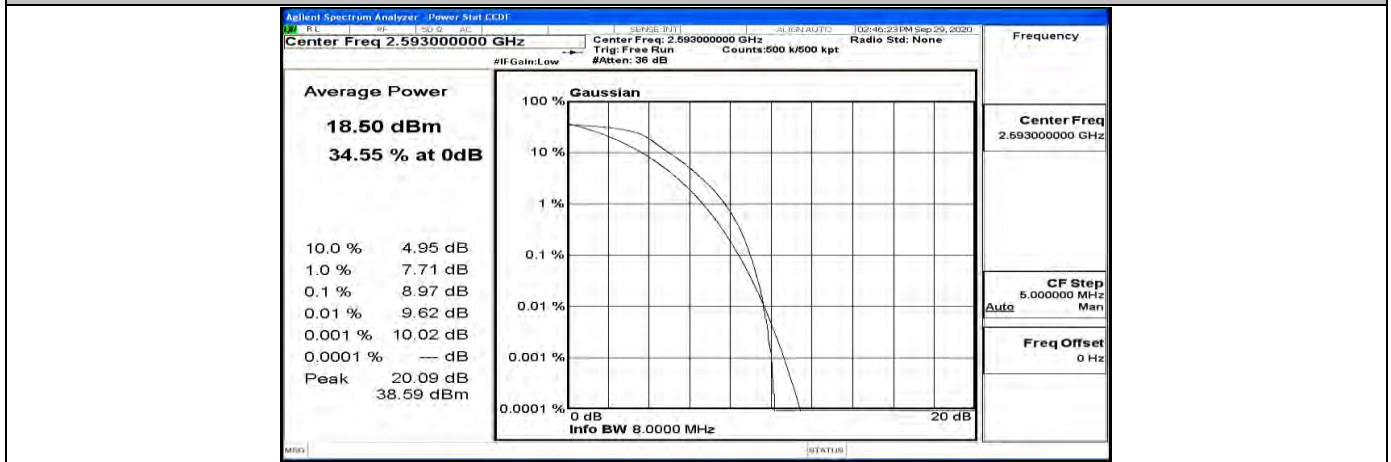


Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK

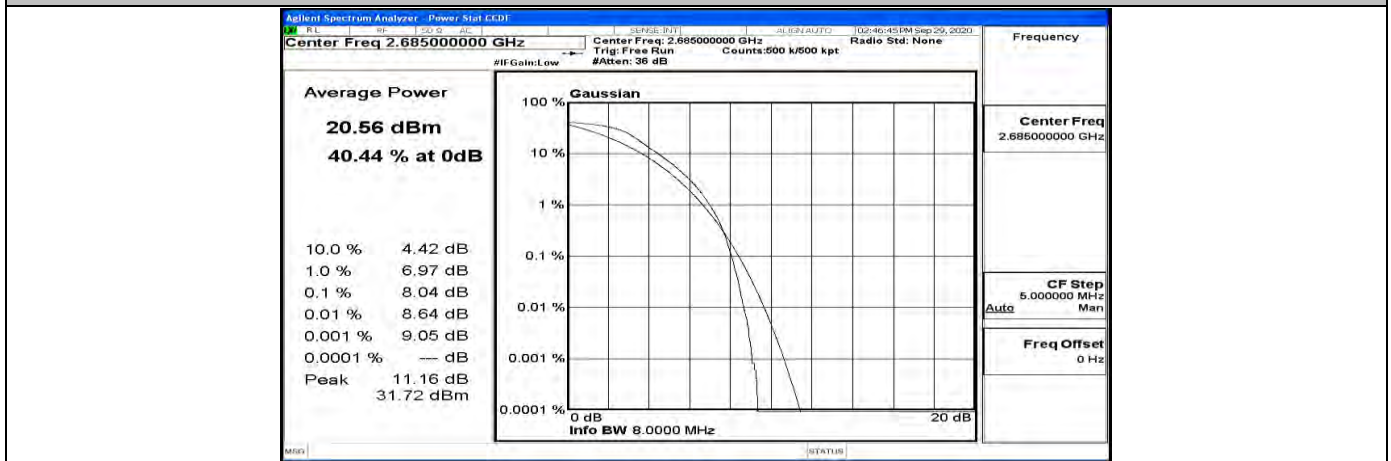




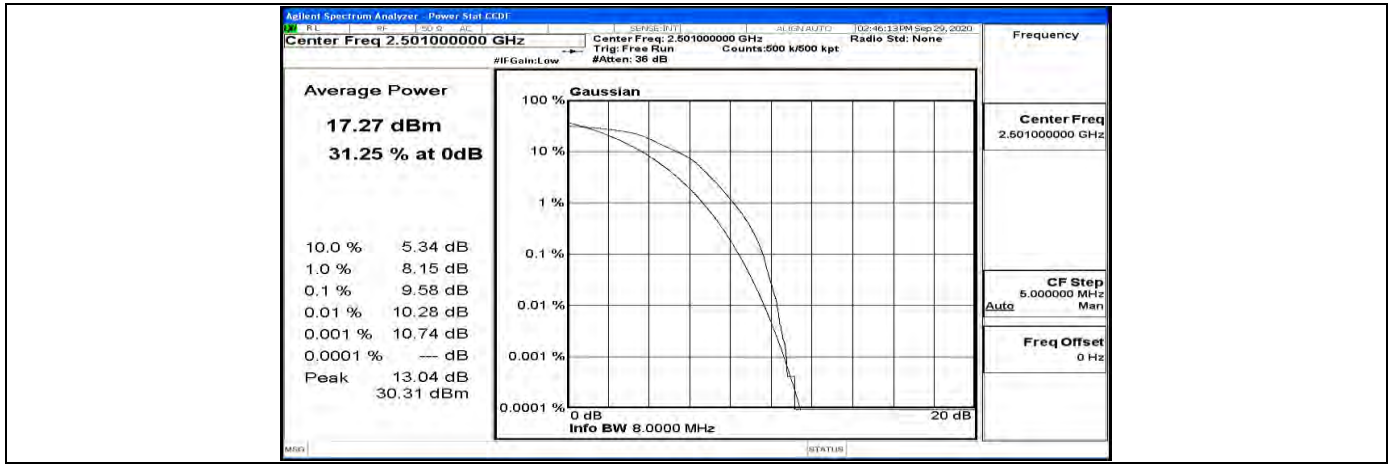
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_QPSK



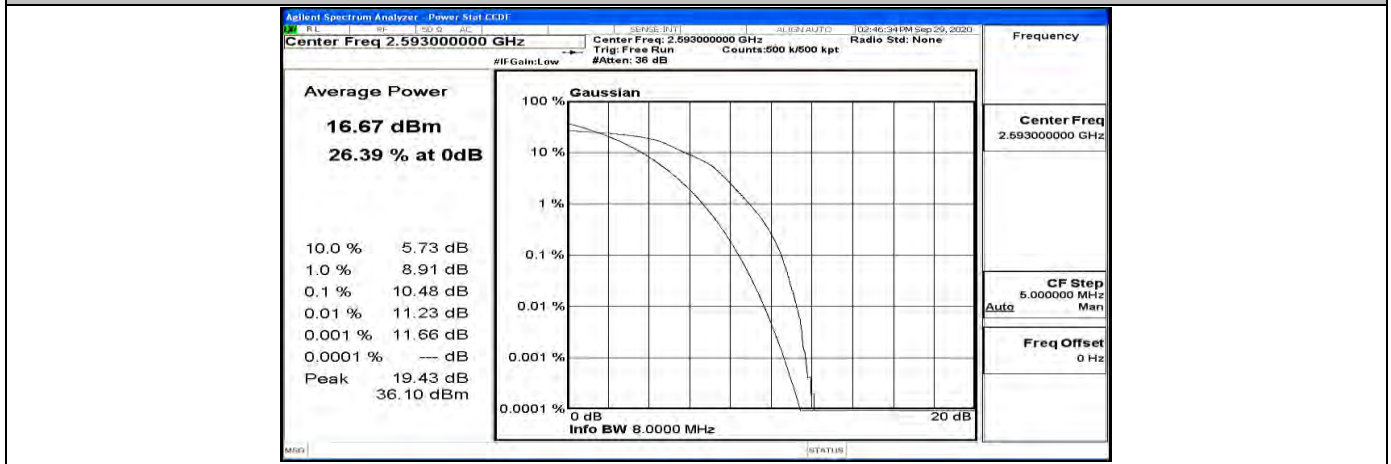
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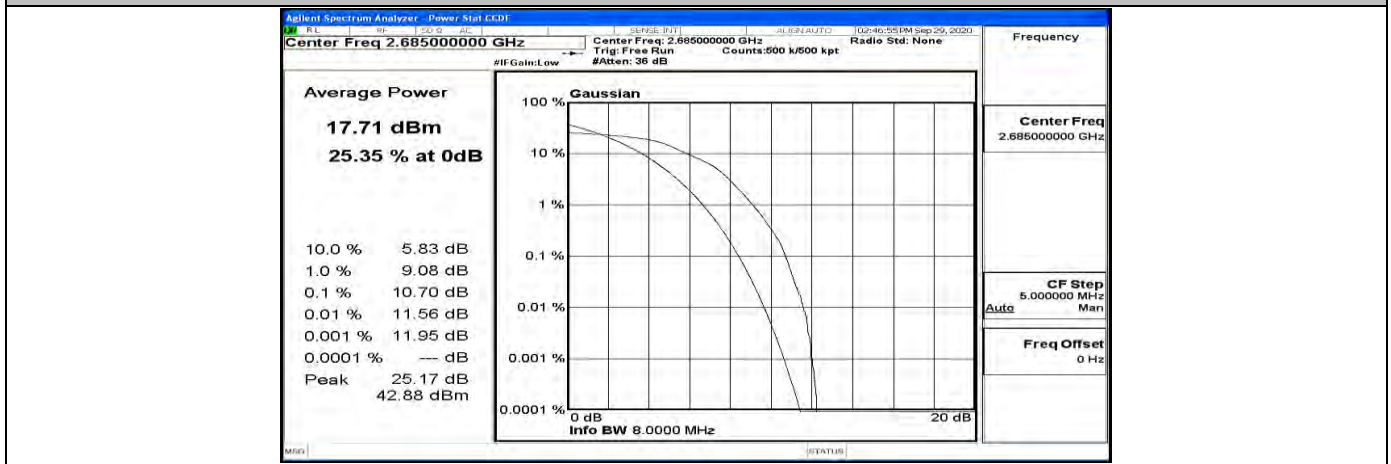
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_16QAM



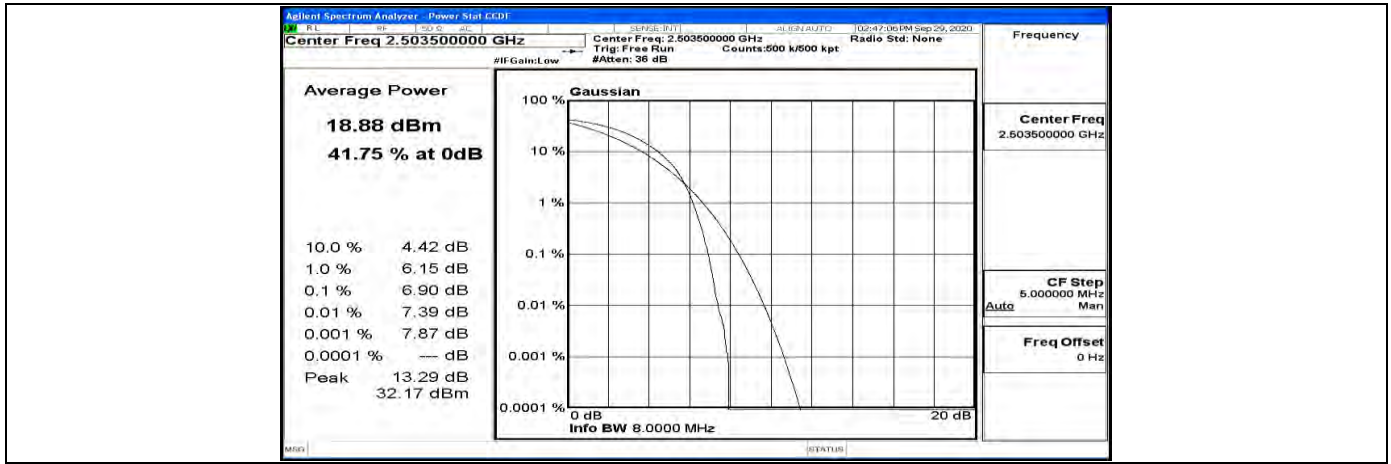
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_16QAM



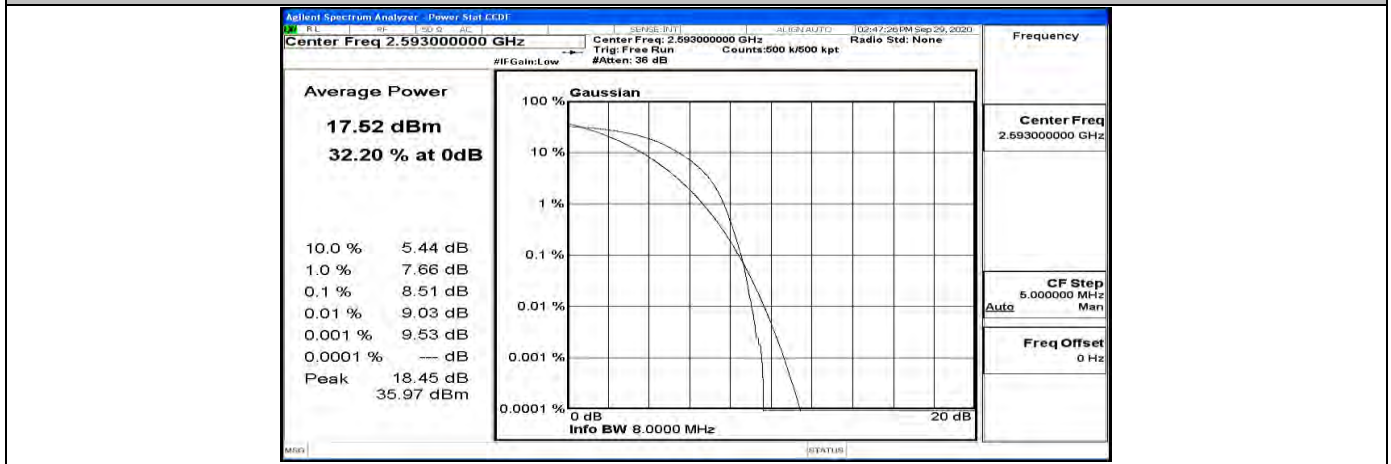
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_16QAM



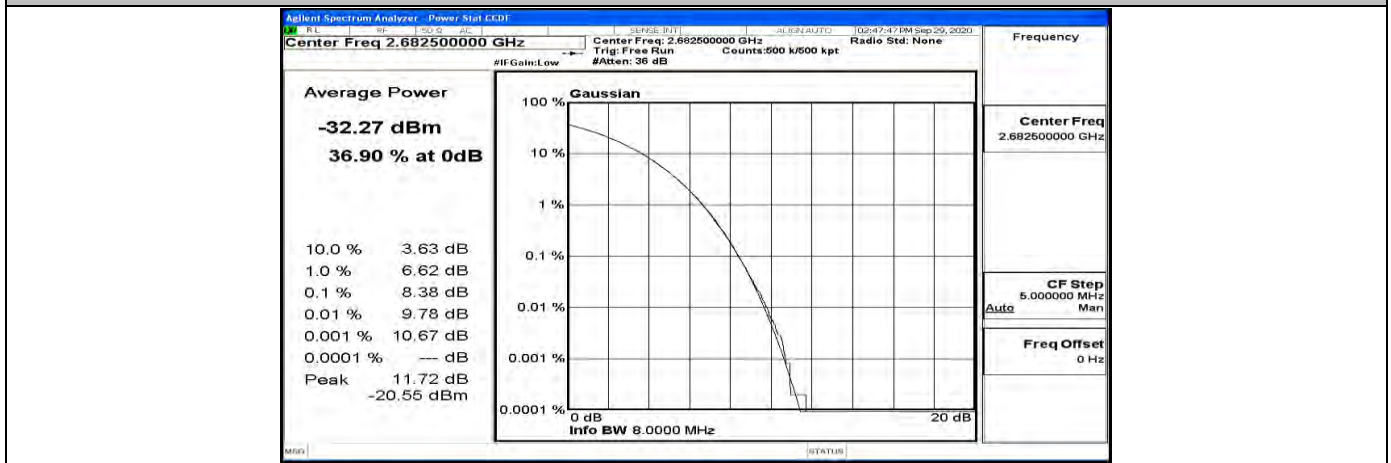
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_QPSK



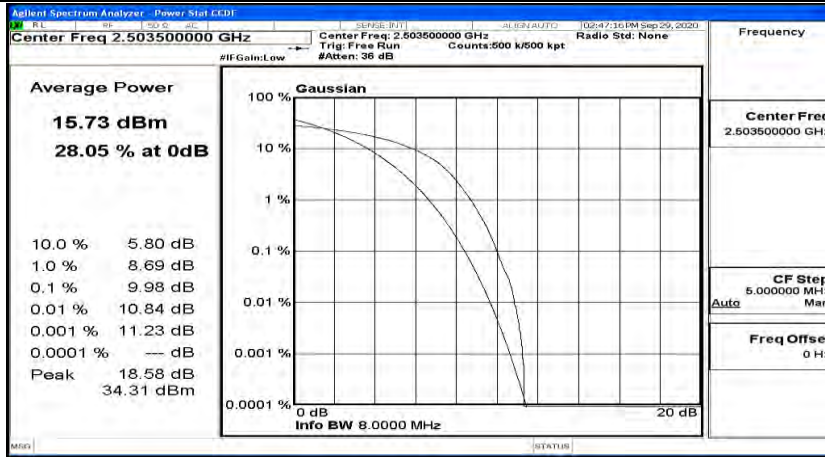
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_MCH\_QPSK



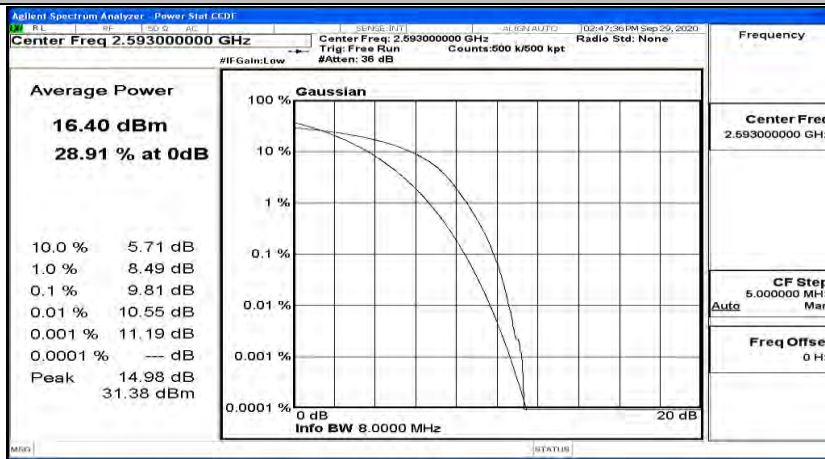
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_QPSK



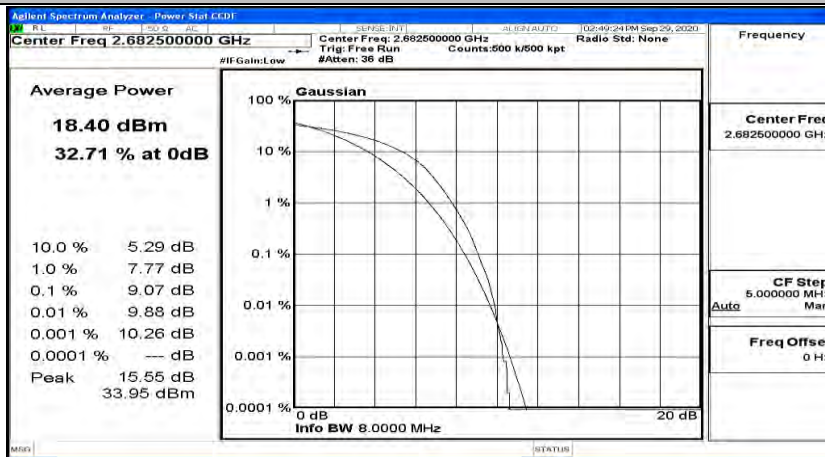
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_16QAM



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

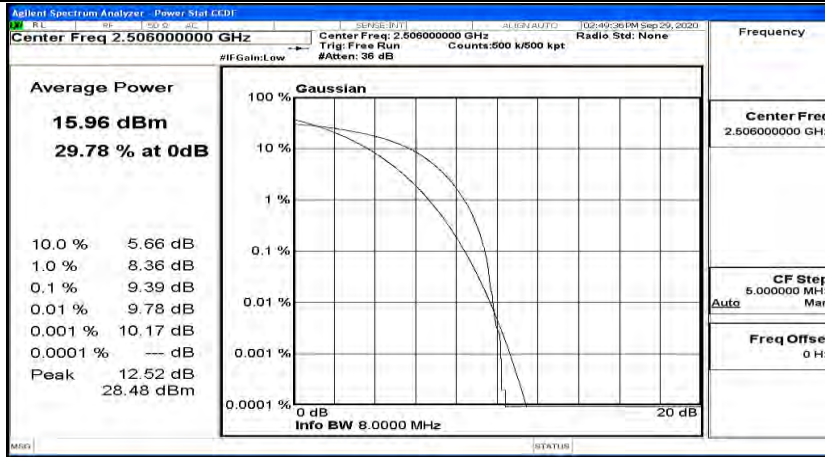


Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_16QAM

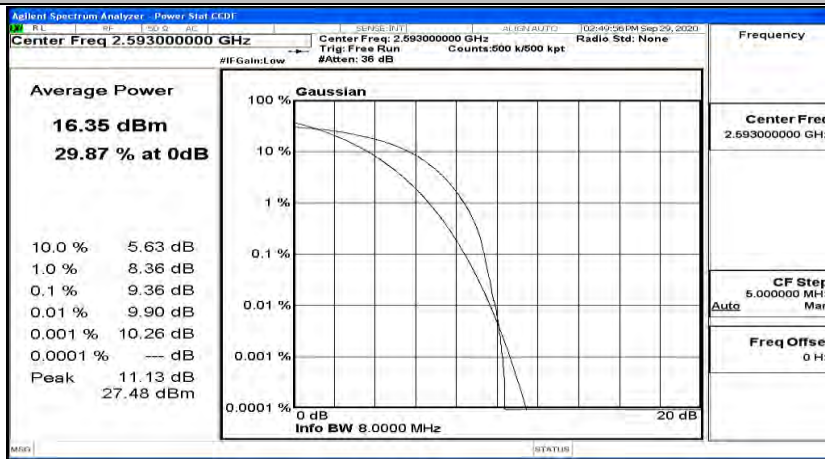




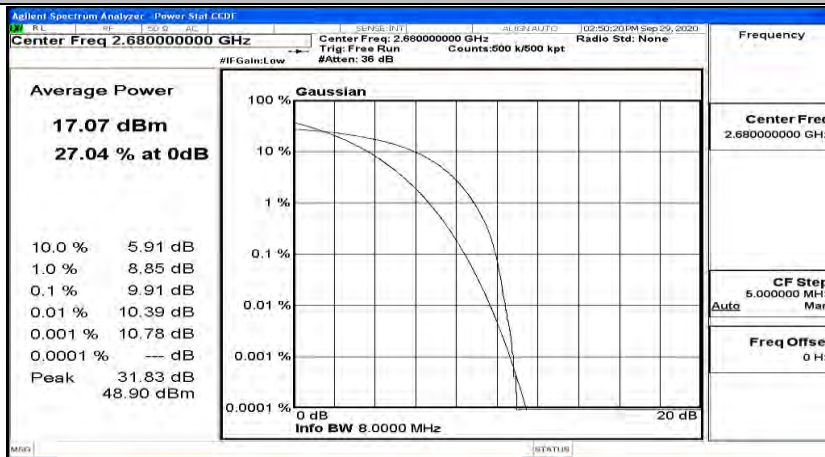
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz) LCH\_QPSK



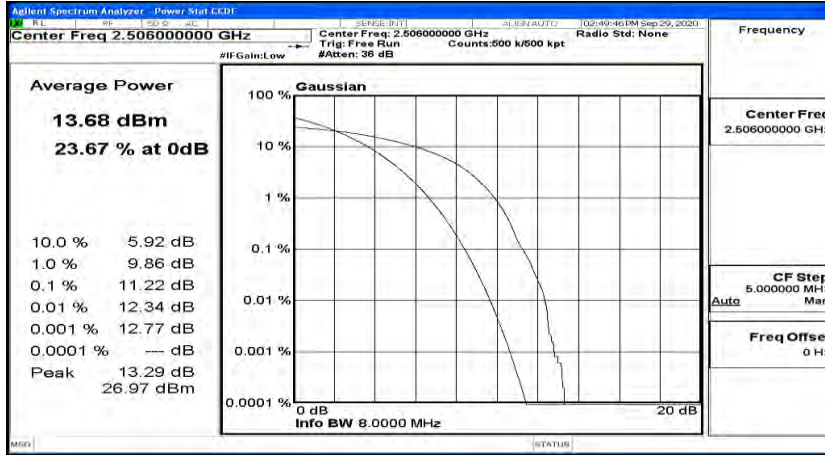
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz) MCH\_QPSK



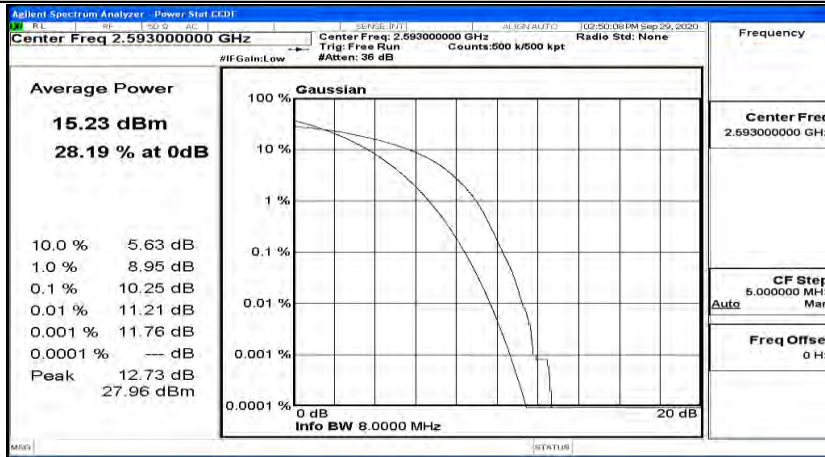
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz) HCH\_QPSK



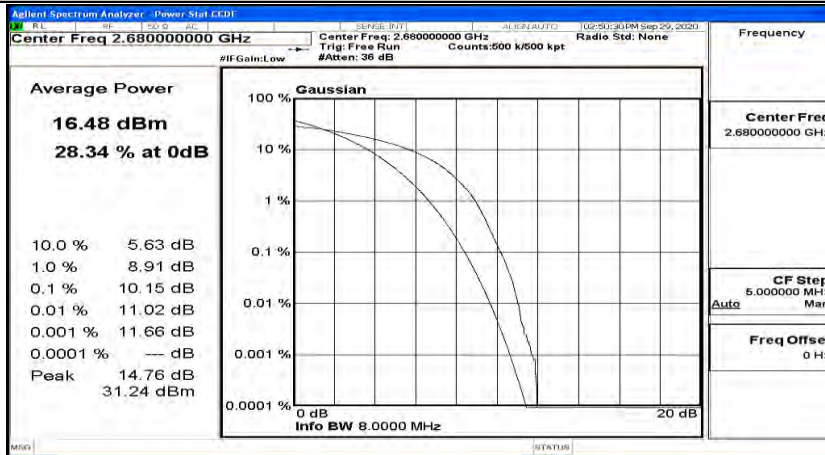
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_16QAM



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



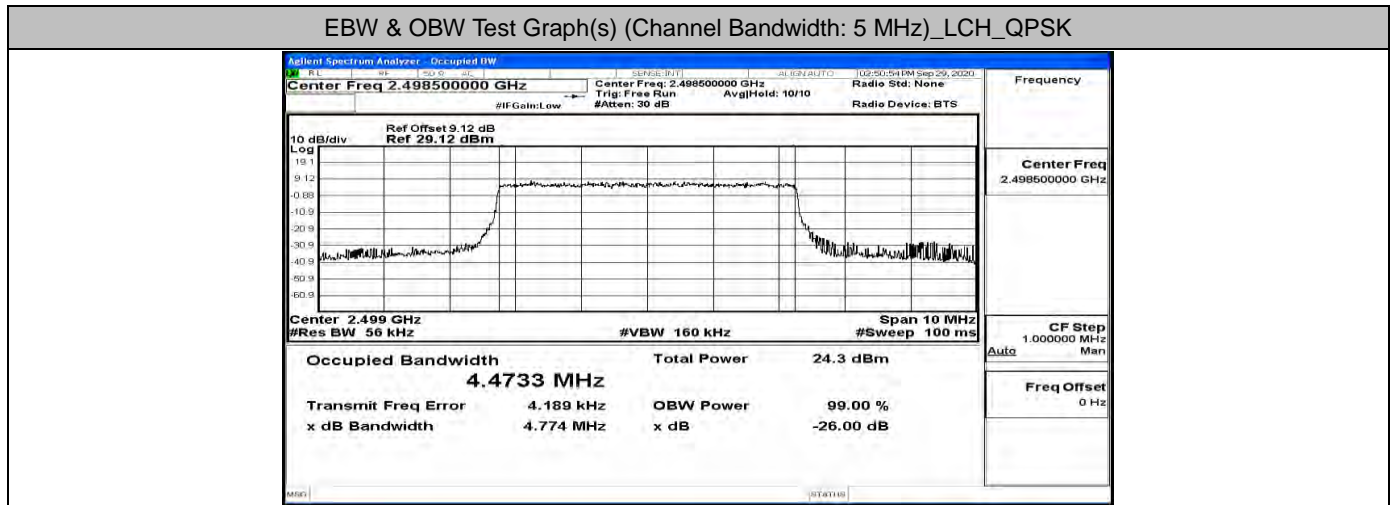
**J.3 26dB Bandwidth and Occupied Bandwidth**

<b>EBW &amp; OBW Test Result (Channel Bandwidth: 5 MHz)</b>				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4733	4.774	PASS
	MCH	4.4574	4.753	PASS
	HCH	4.4729	4.792	PASS
16QAM	LCH	4.4702	4.802	PASS
	MCH	4.4609	4.752	PASS
	HCH	4.4672	4.746	PASS

<b>EBW &amp; OBW Test Result (Channel Bandwidth: 10 MHz)</b>				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9173	9.386	PASS
	MCH	8.9281	9.414	PASS
	HCH	8.9064	9.305	PASS
16QAM	LCH	8.8914	9.335	PASS
	MCH	8.9274	9.428	PASS
	HCH	8.9204	9.341	PASS

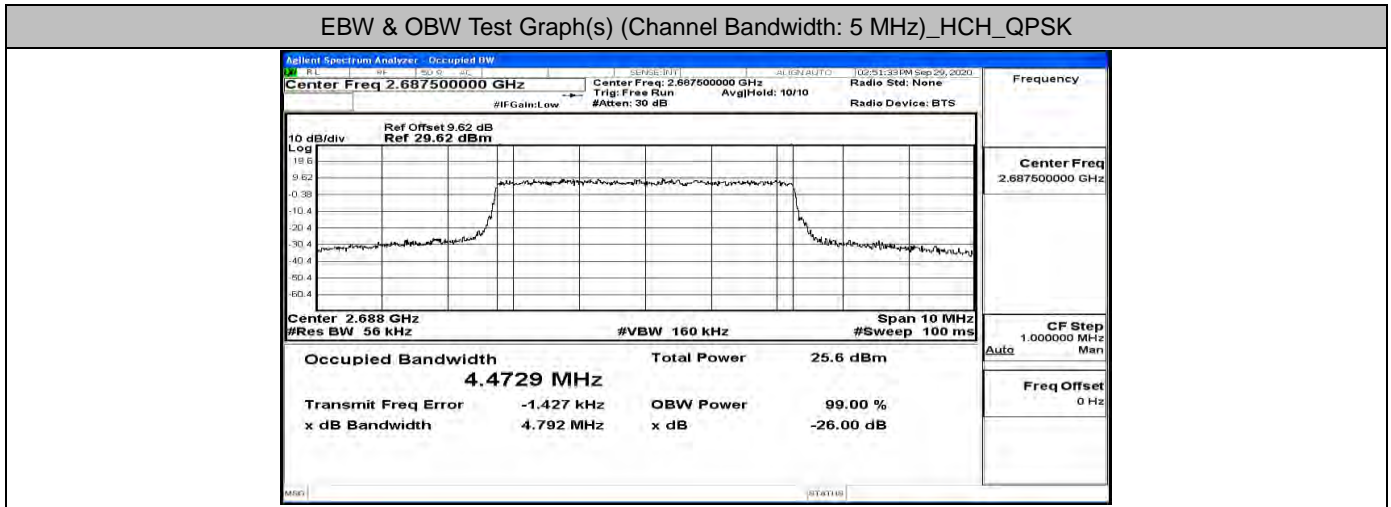
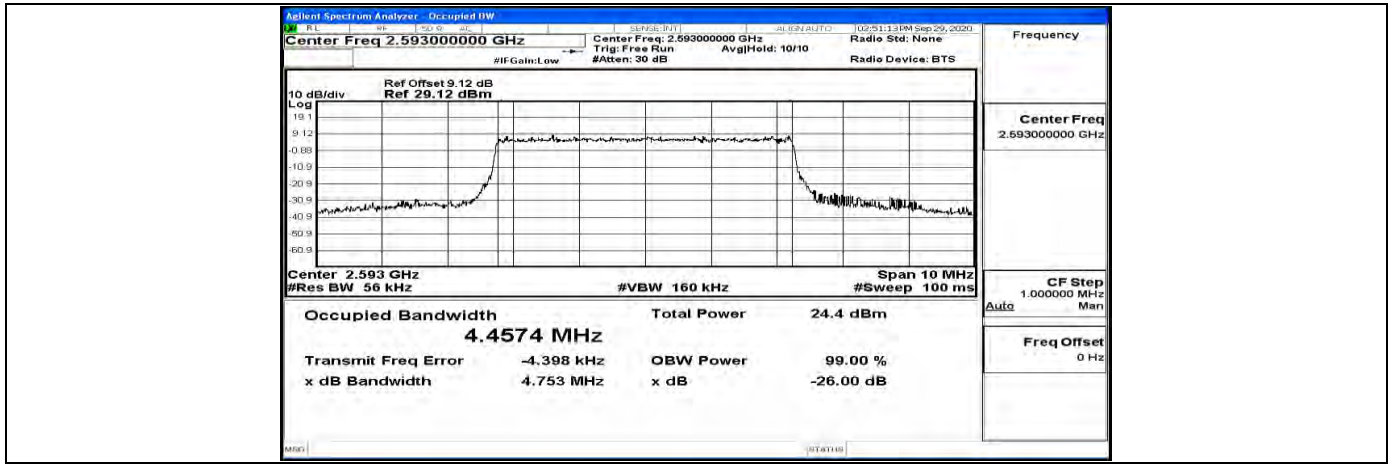
EBW & OBW Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	13.379	13.99	PASS
	MCH	13.369	14.03	PASS
	HCH	13.393	14.00	PASS
16QAM	LCH	13.373	13.97	PASS
	MCH	13.372	14.02	PASS
	HCH	13.374	14.01	PASS

EBW & OBW Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	17.841	18.57	PASS
	MCH	17.841	18.62	PASS
	HCH	17.817	18.53	PASS
16QAM	LCH	17.829	18.60	PASS
	MCH	17.805	18.55	PASS
	HCH	17.816	18.55	PASS

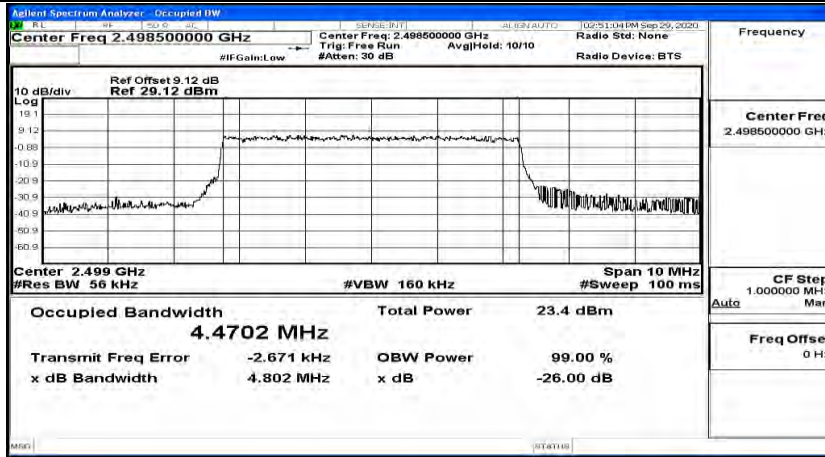


EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_QPSK

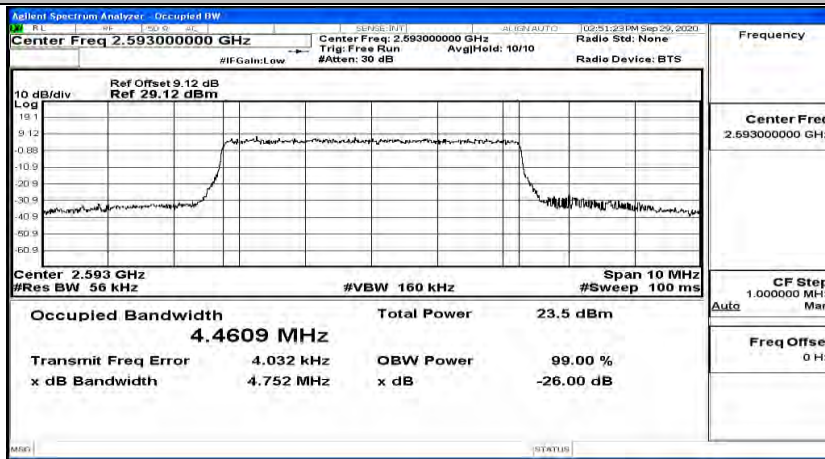




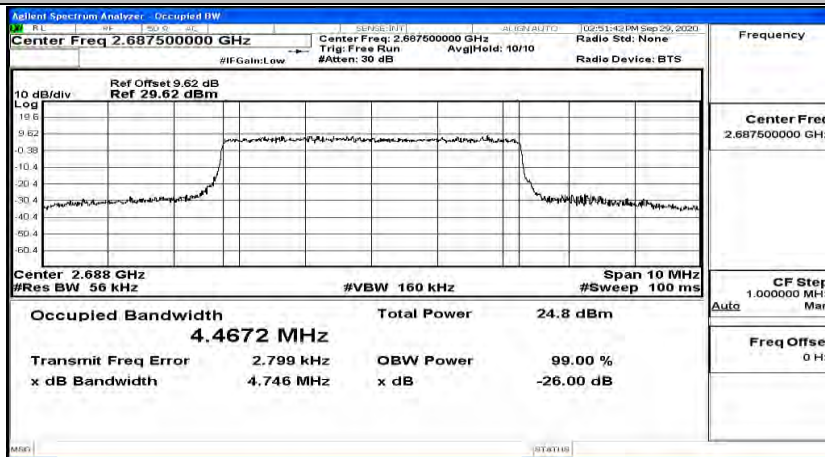
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz) LCH\_16QAM



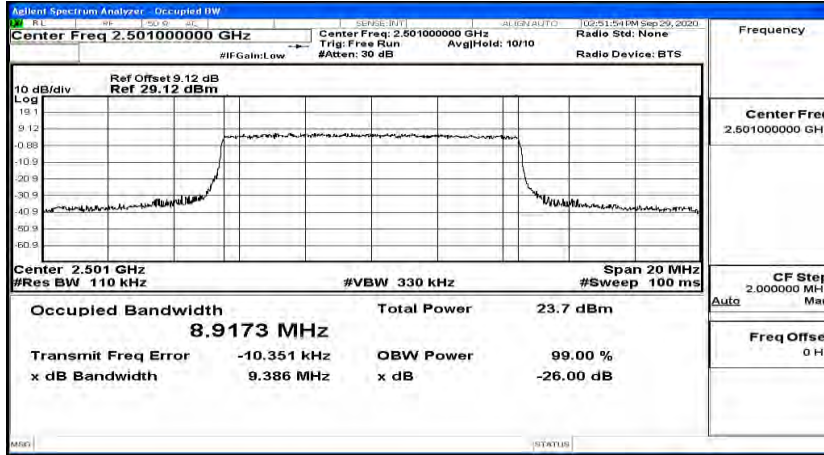
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz) MCH\_16QAM



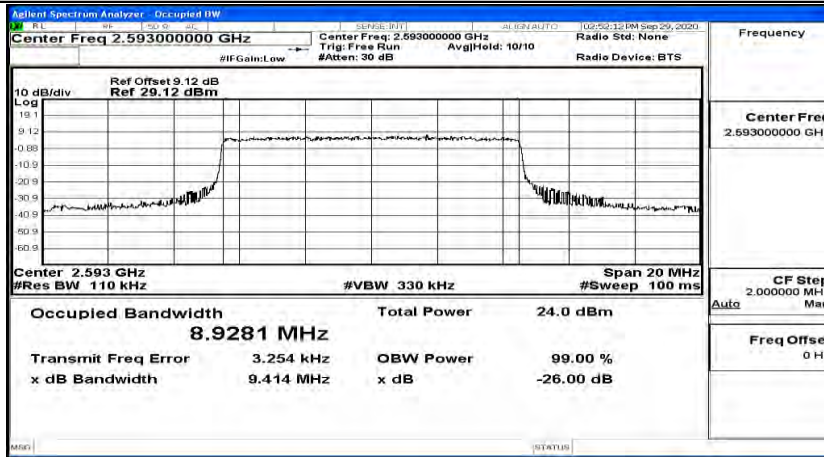
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz) HCH\_16QAM



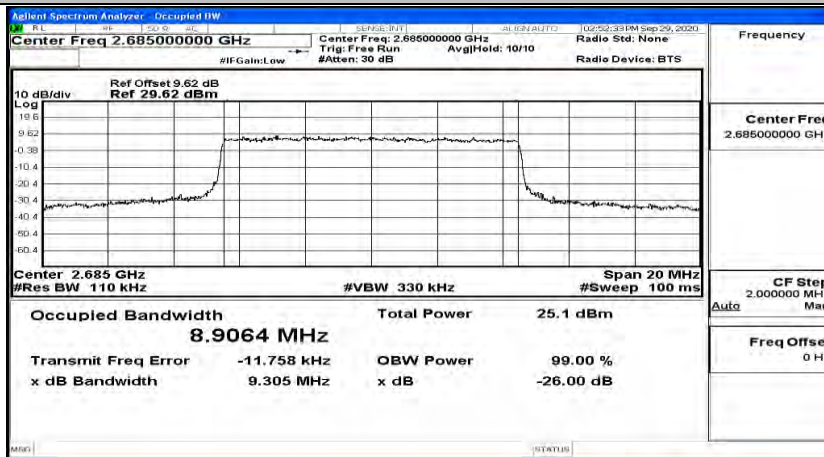
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK



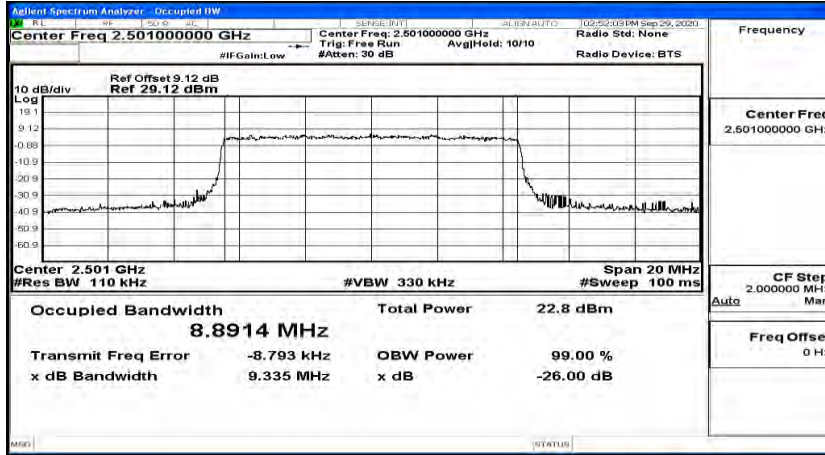
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_QPSK



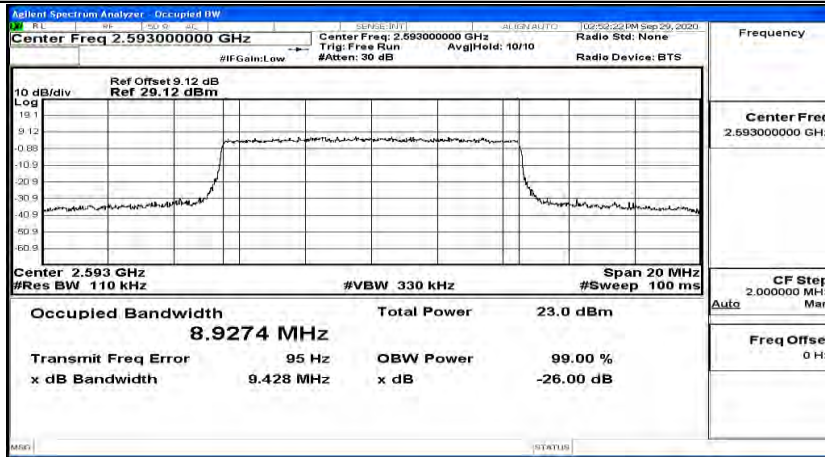
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_QPSK



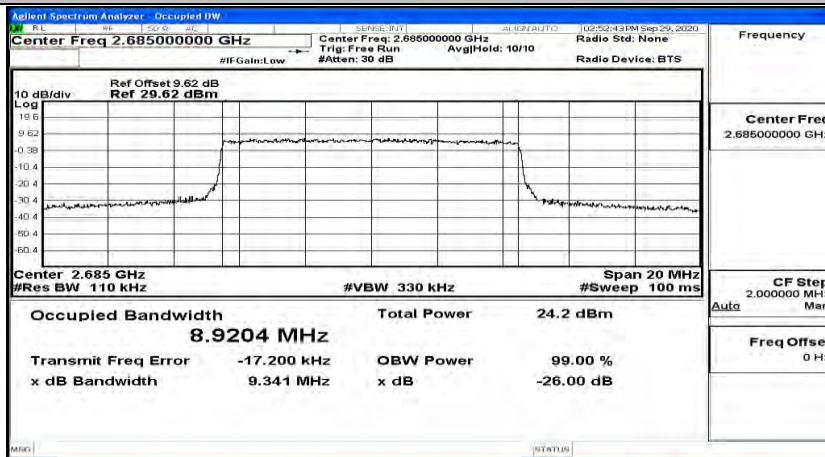
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_16QAM



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

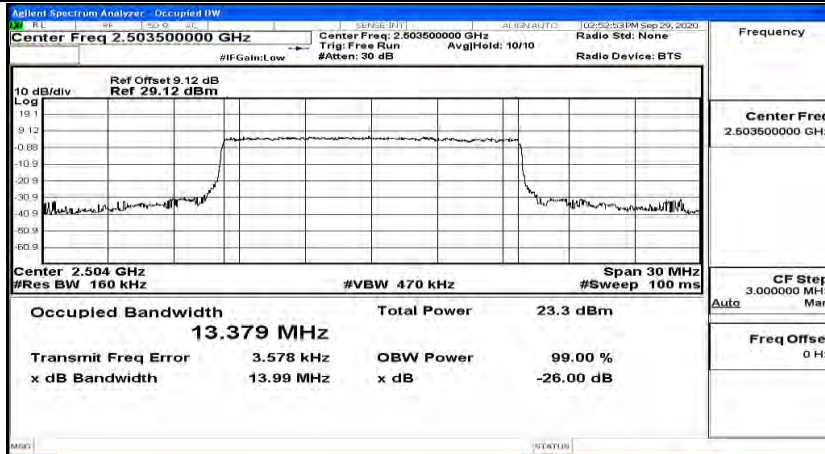


EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_16QAM

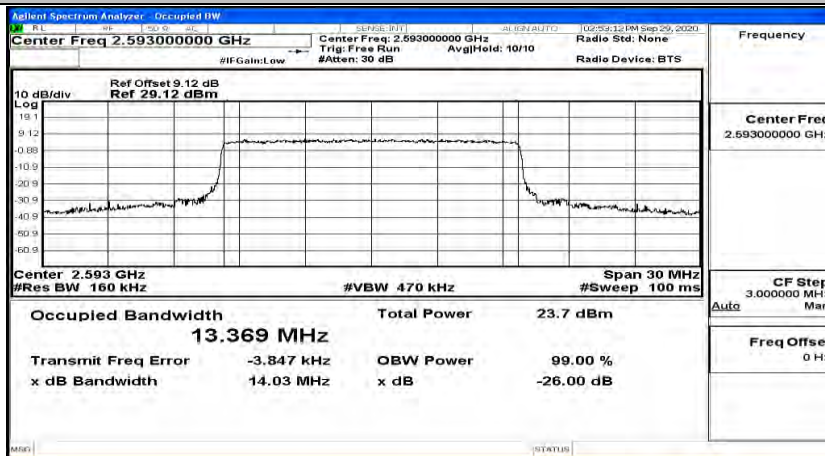




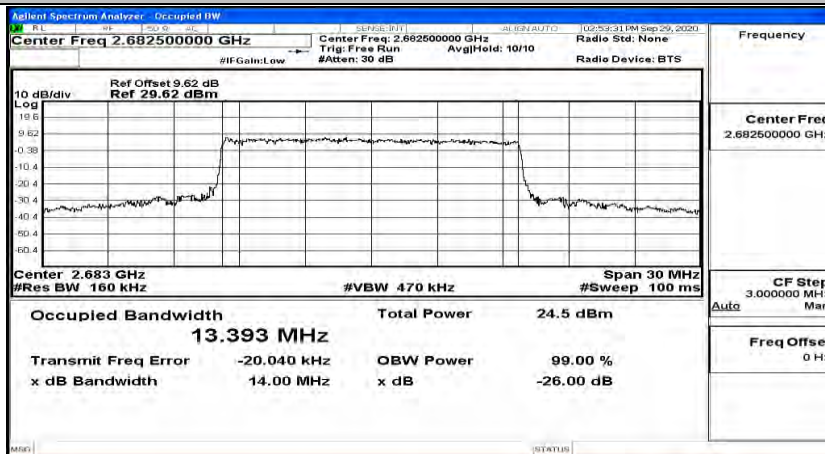
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_QPSK



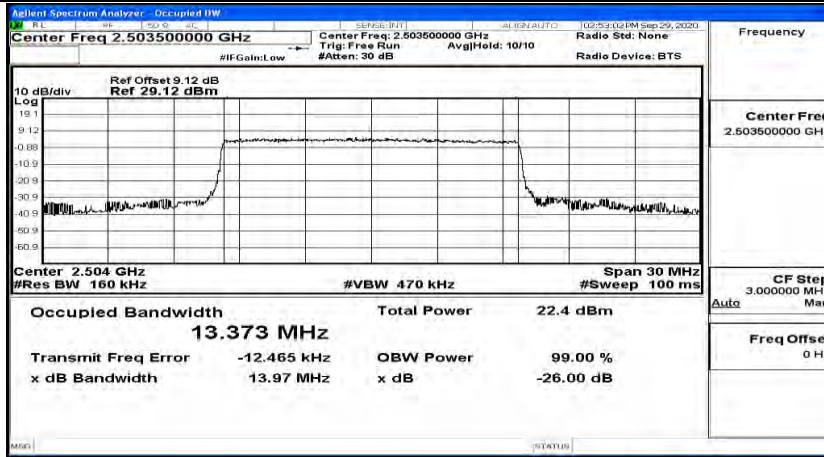
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_MCH\_QPSK



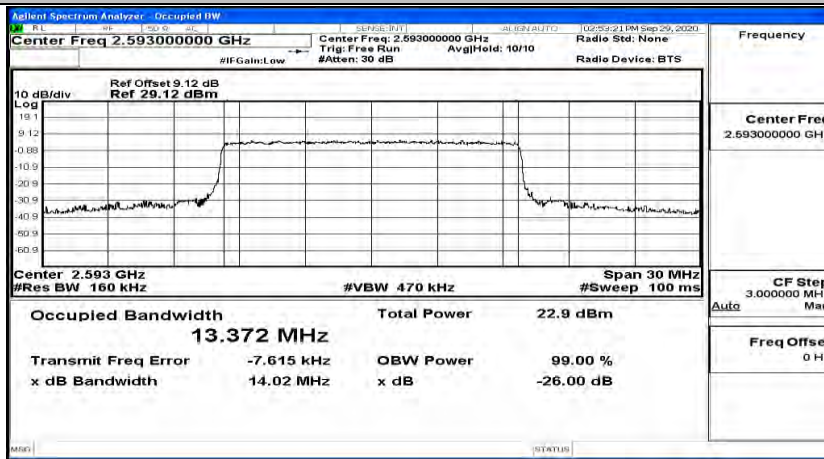
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_QPSK



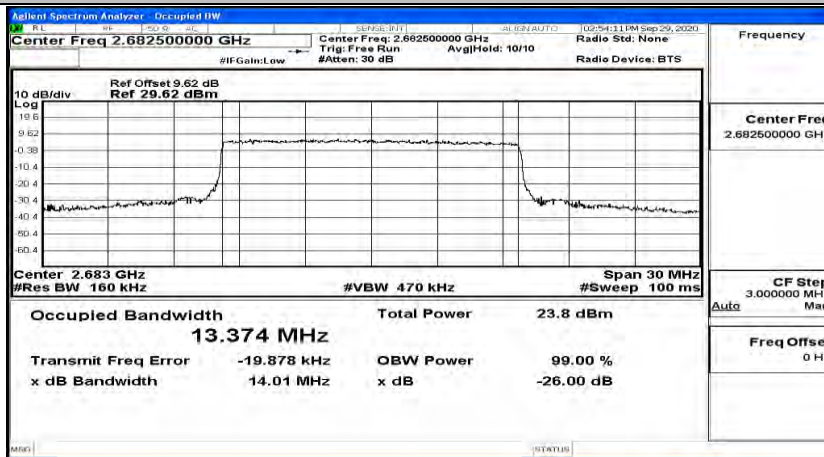
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_16QAM



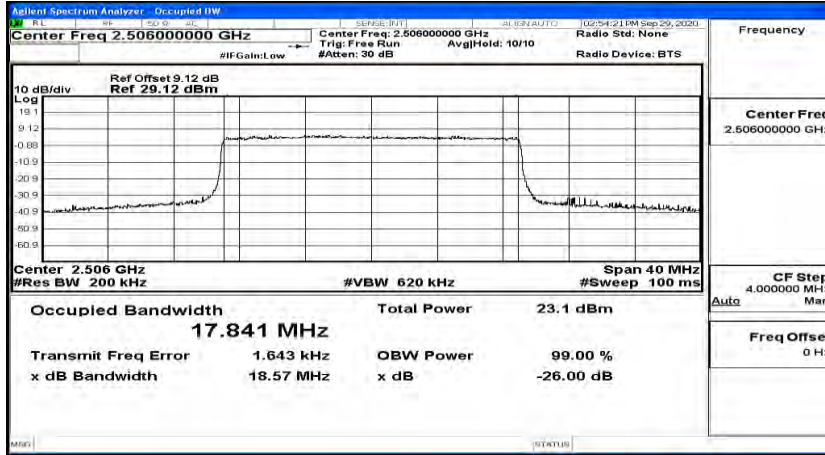
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_MCH\_16QAM



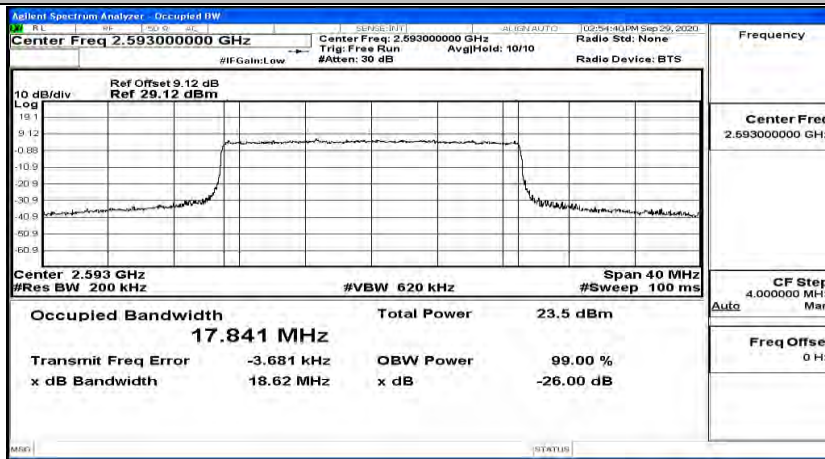
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_16QAM



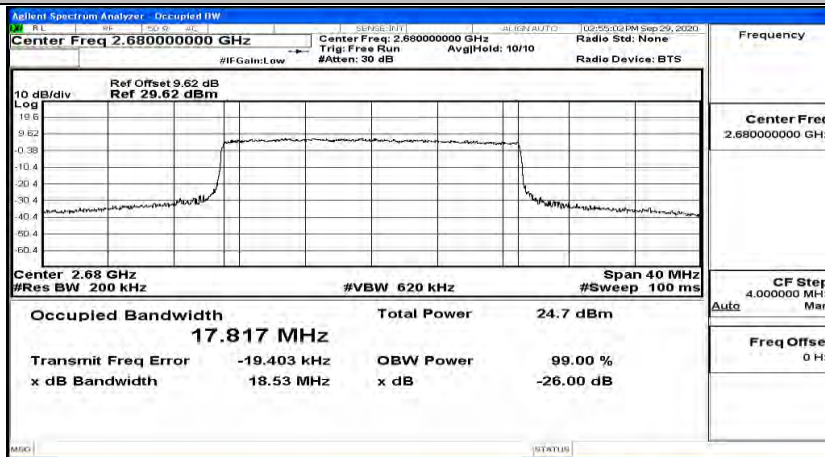
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_QPSK



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

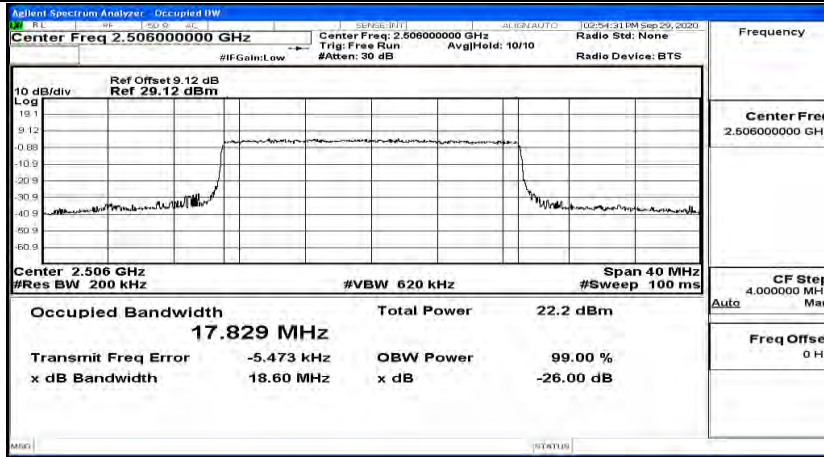


EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_QPSK

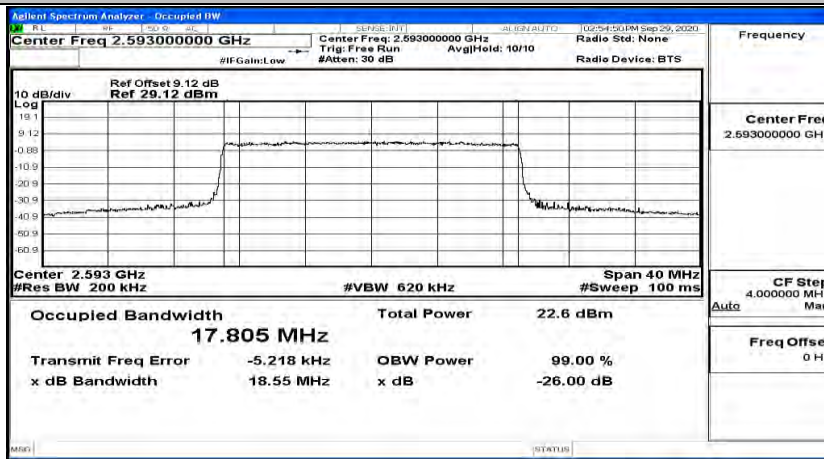




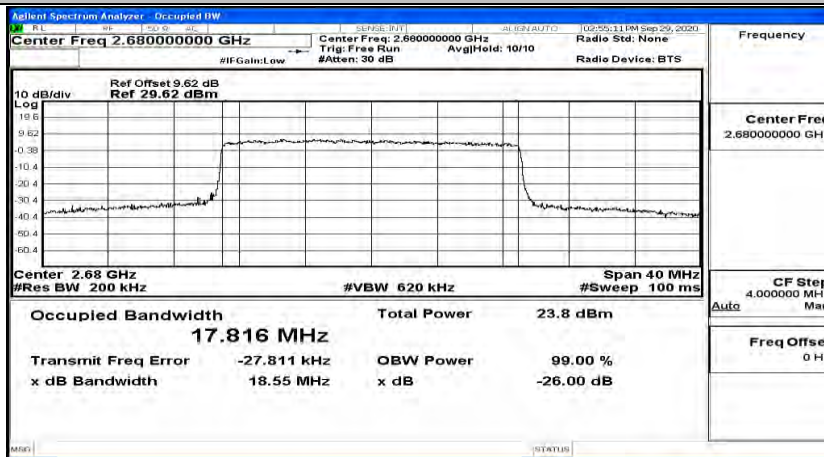
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_16QAM



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



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



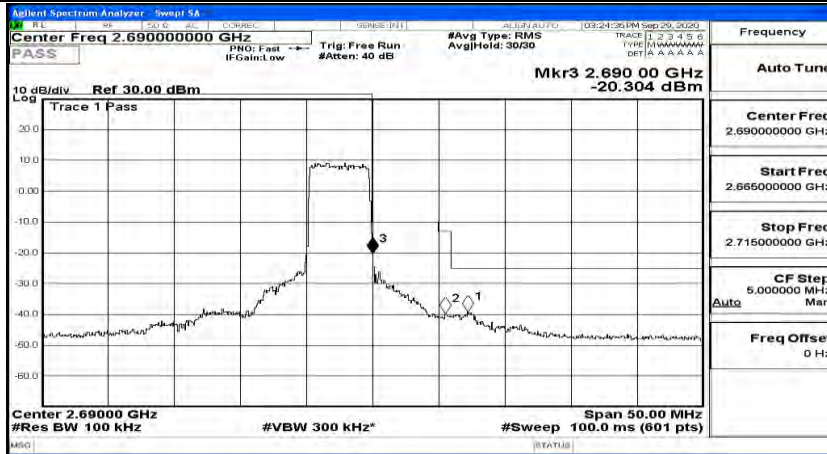


### J.4 Band Edge

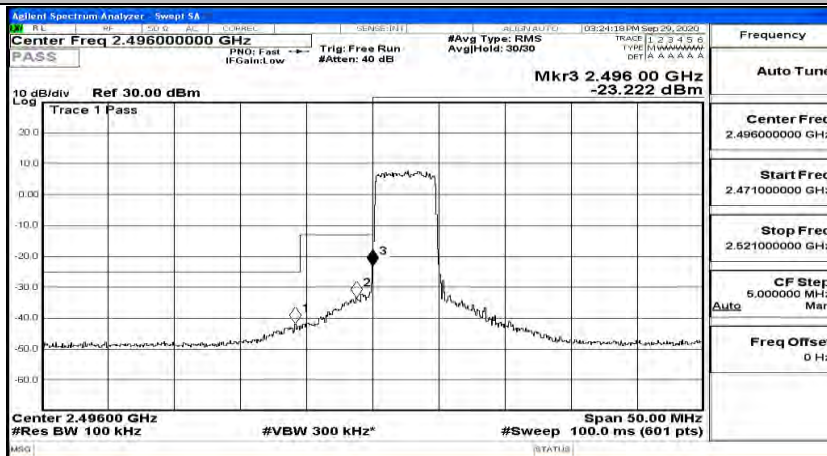
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz) LCH\_QPSK



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



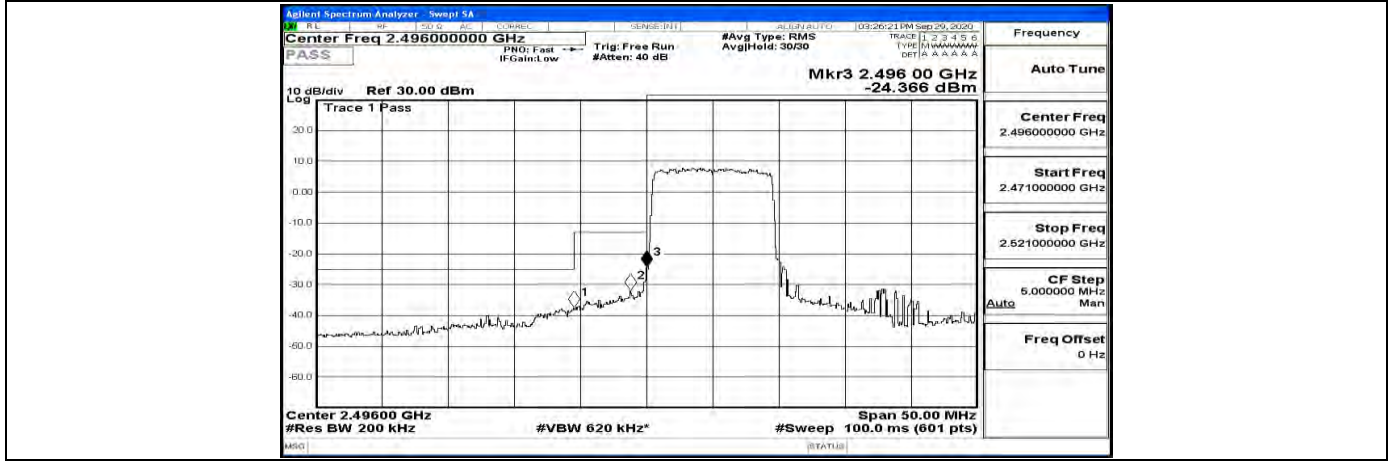
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_16QAM



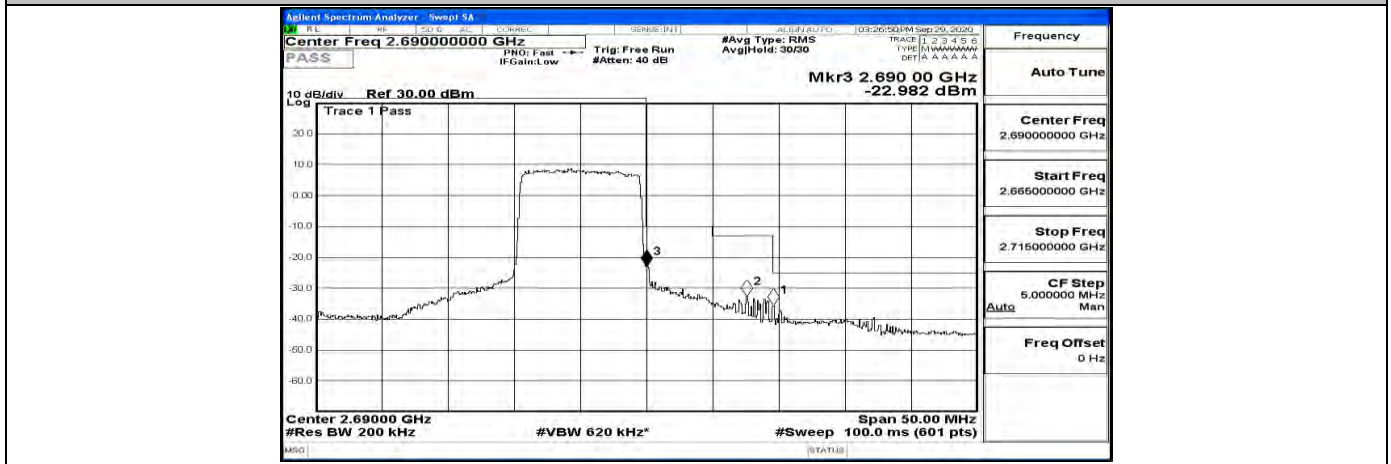
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM



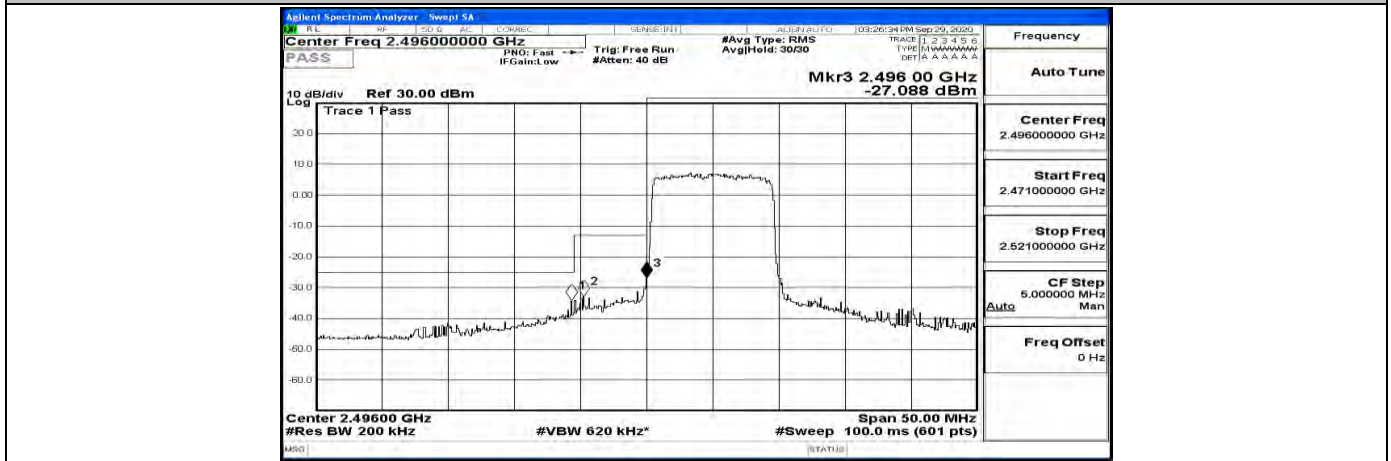
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK



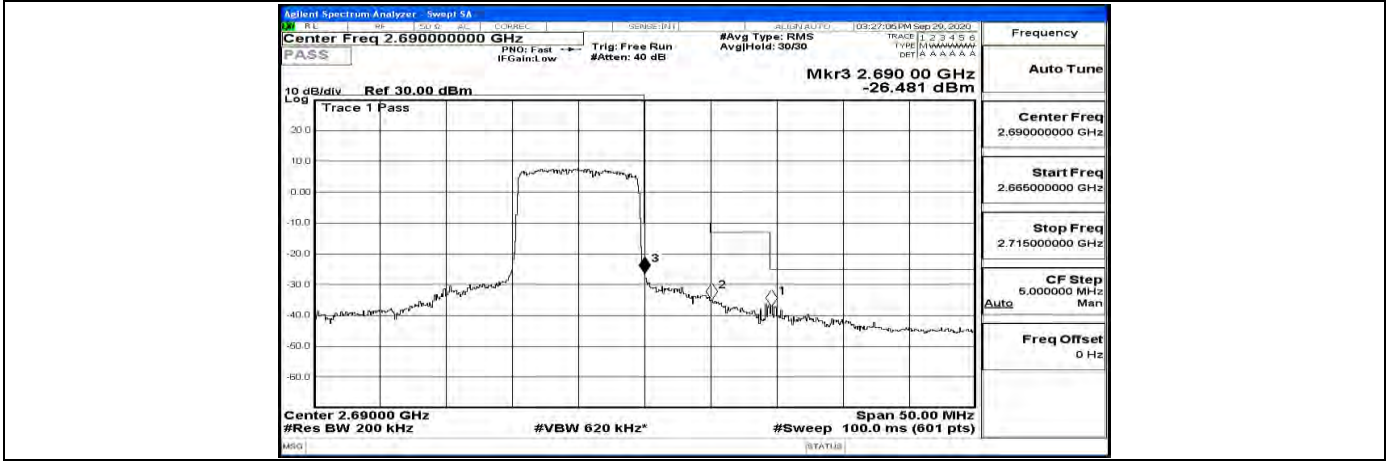
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_QPSK



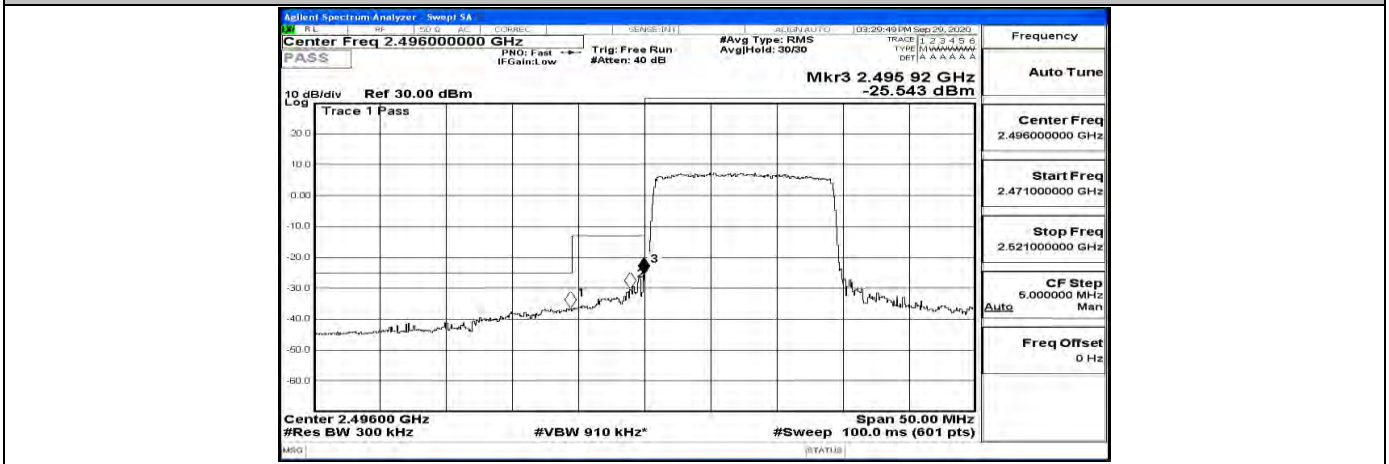
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_16QAM



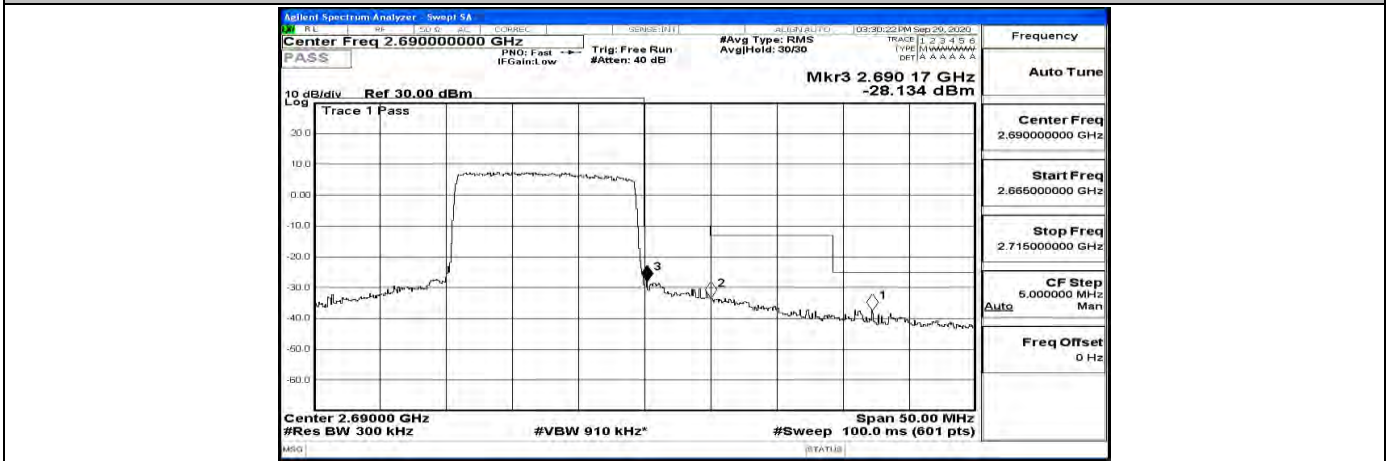
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_16QAM



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

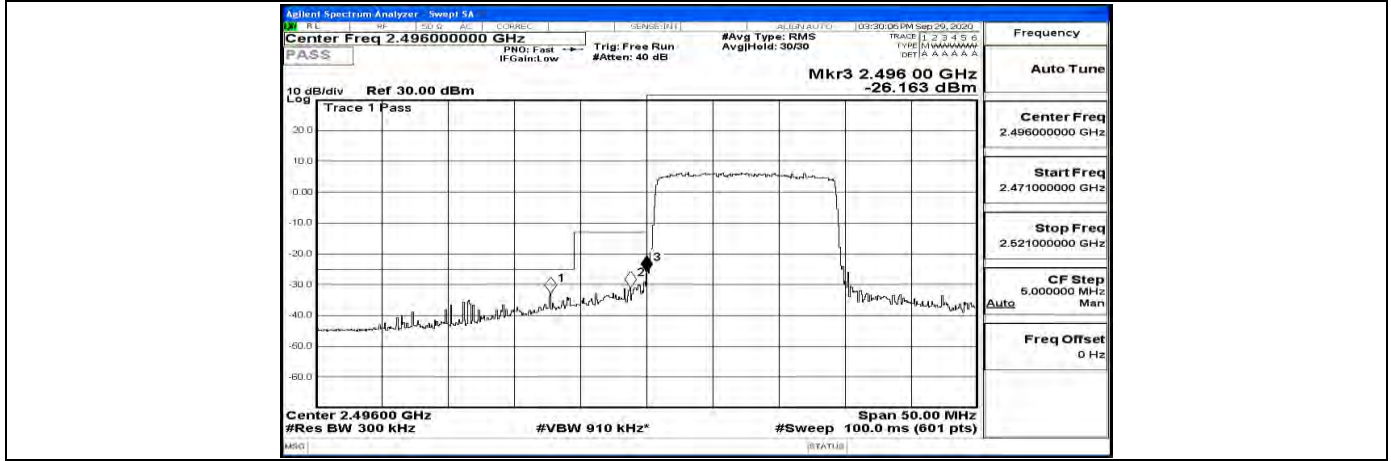


Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_QPSK

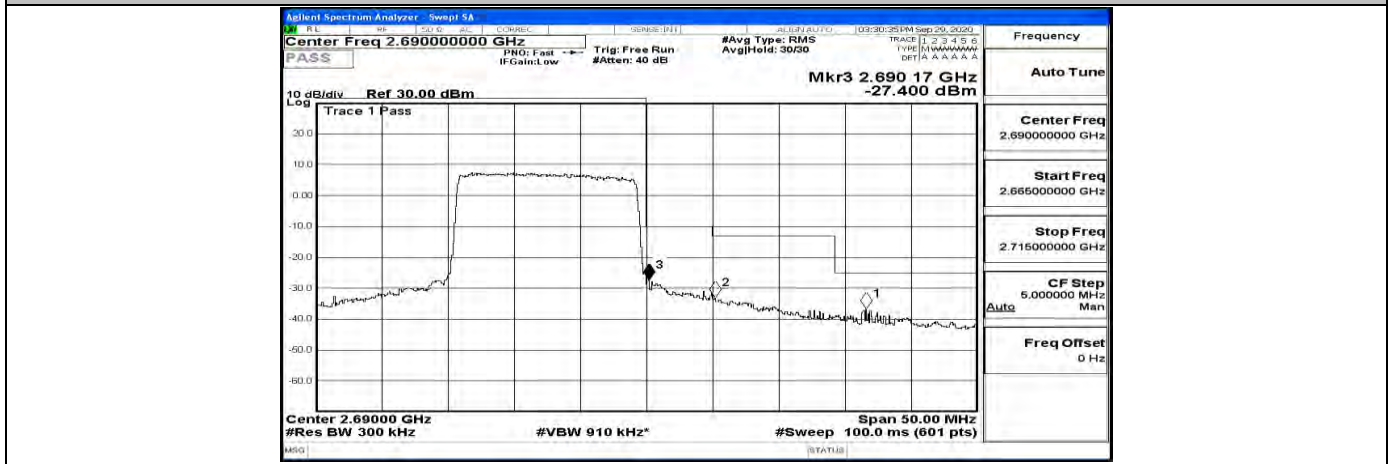


Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_16QAM

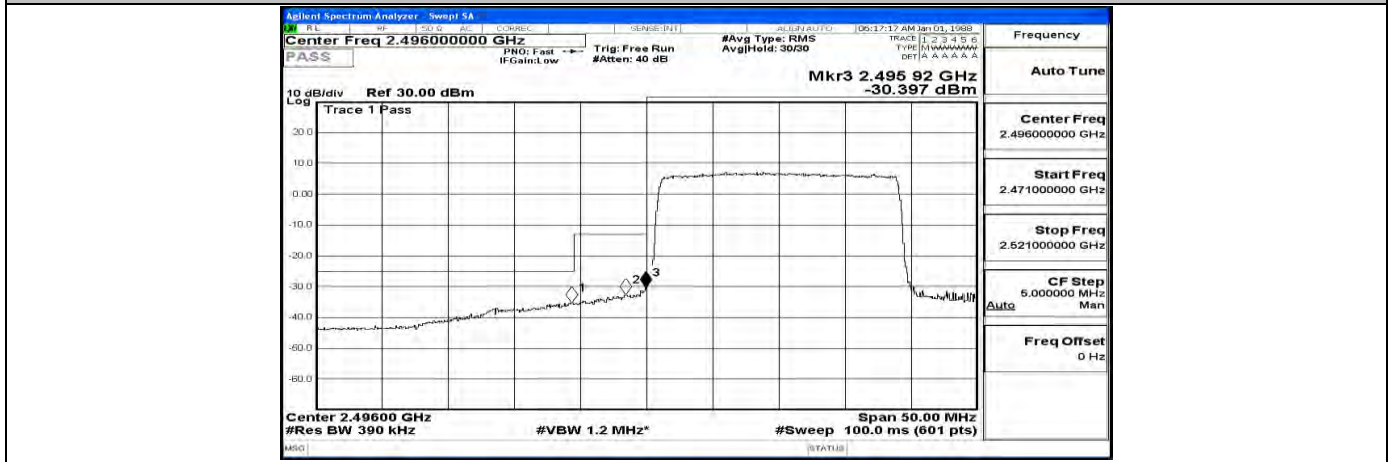




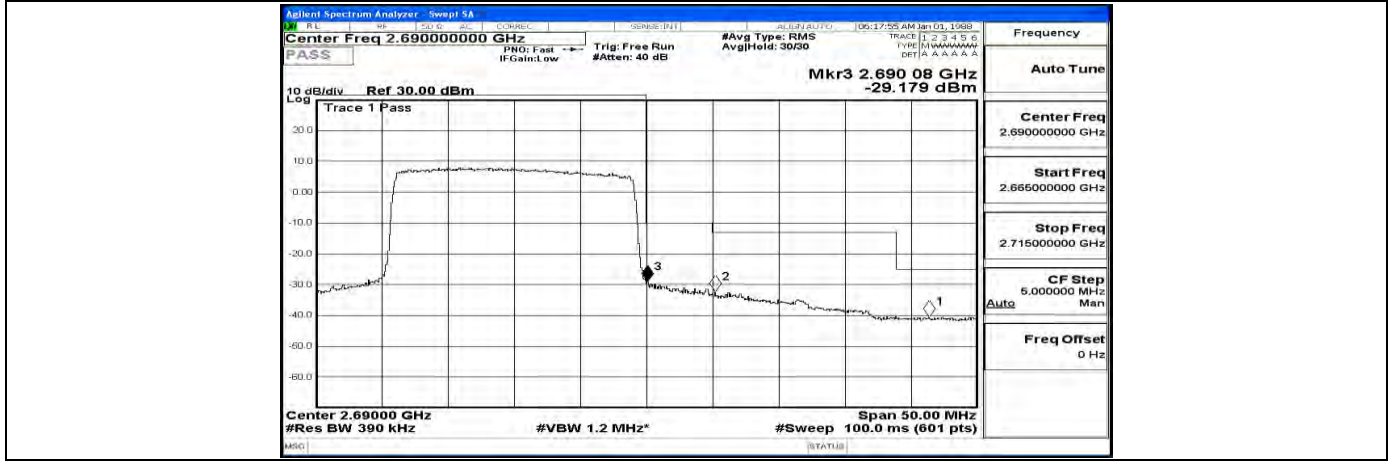
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_16QAM



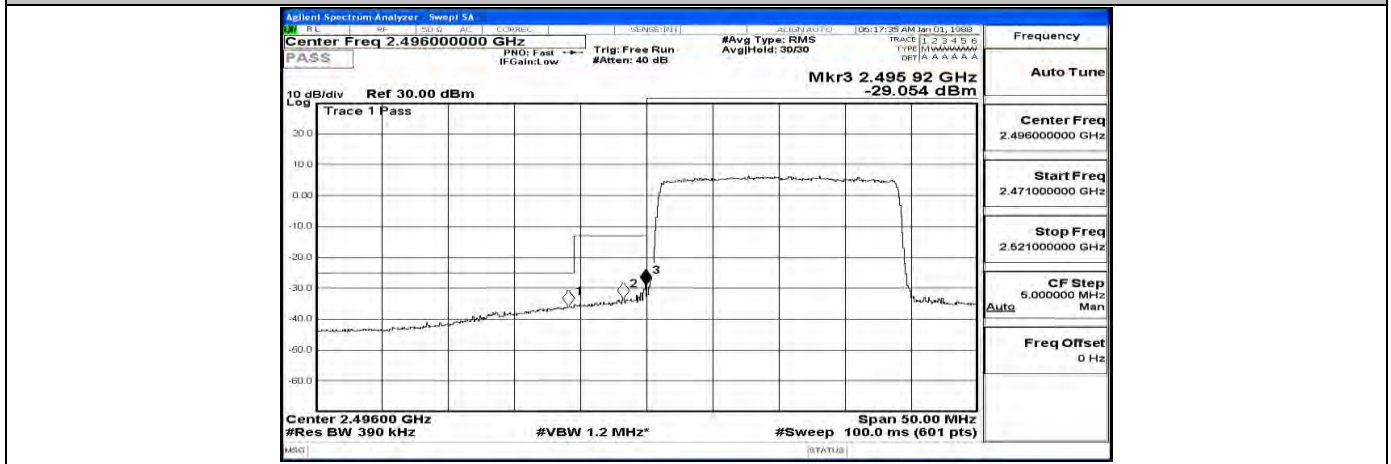
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_QPSK



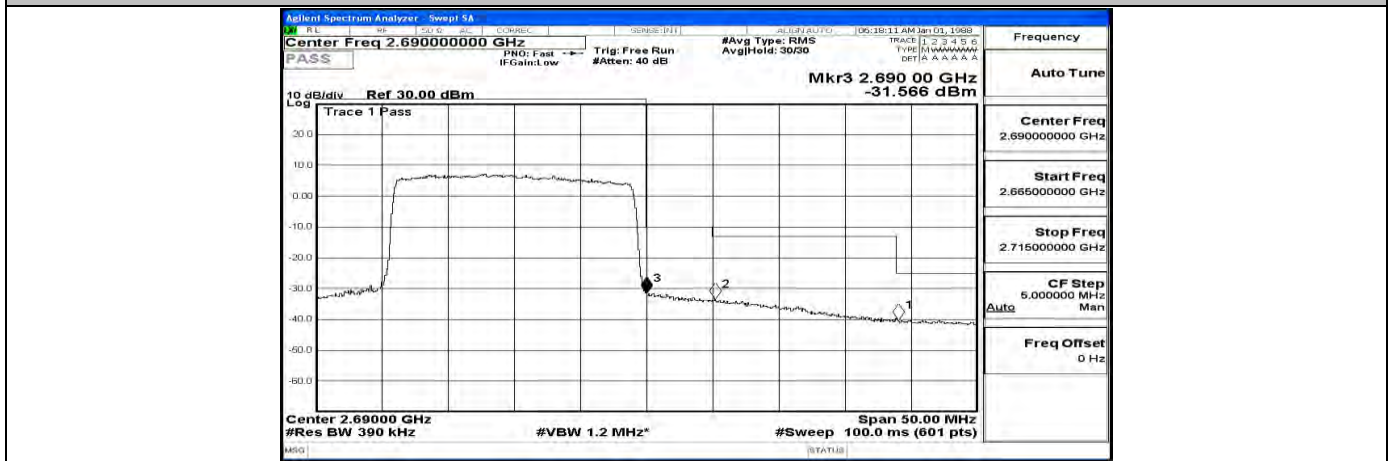
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_QPSK



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



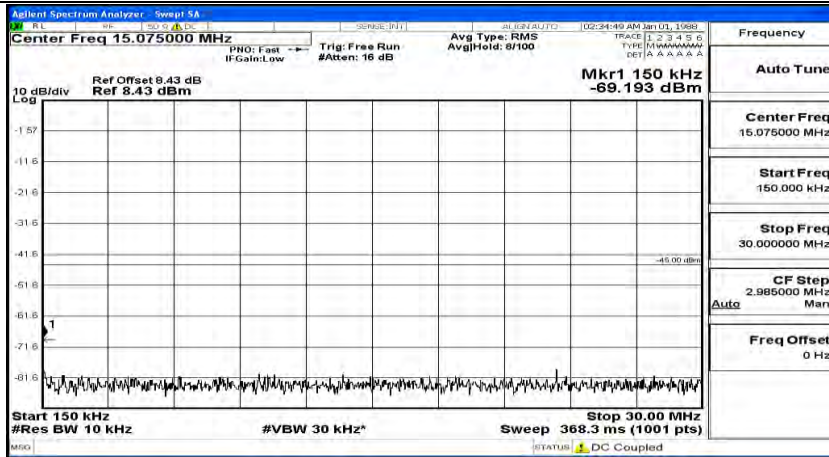
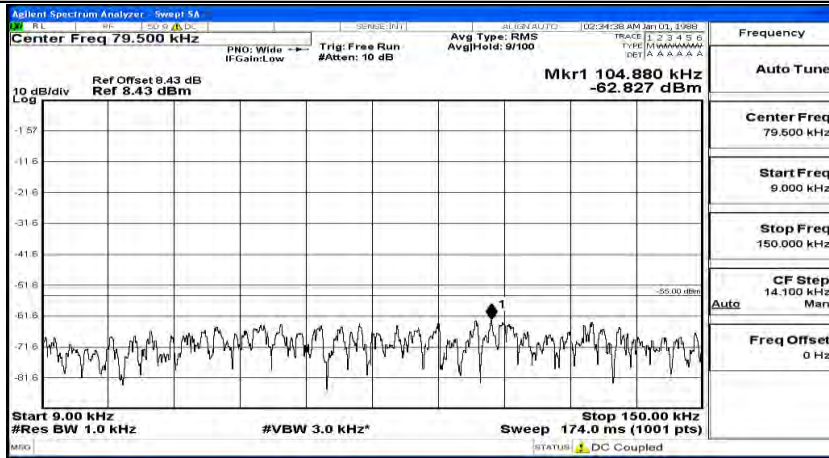
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_16QAM



### J.5 Conducted Spurious Emission

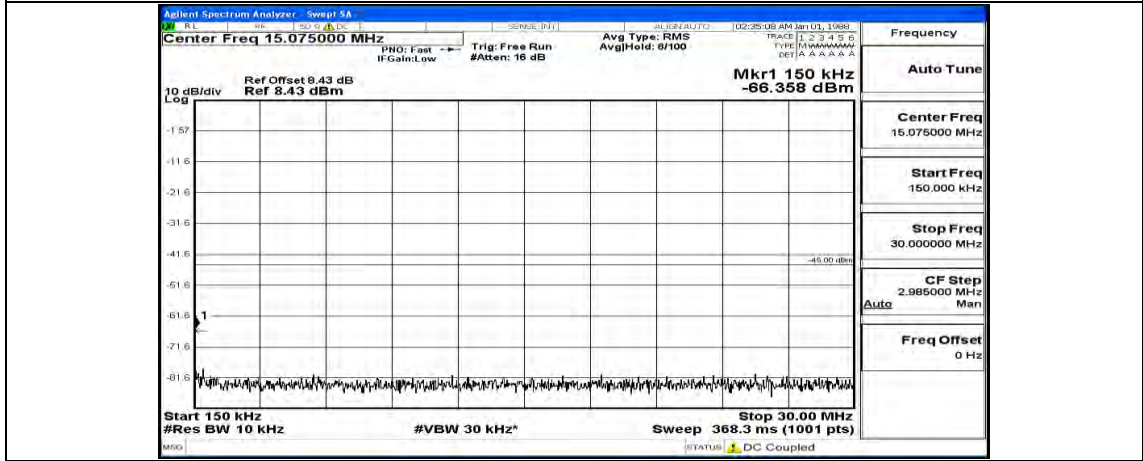
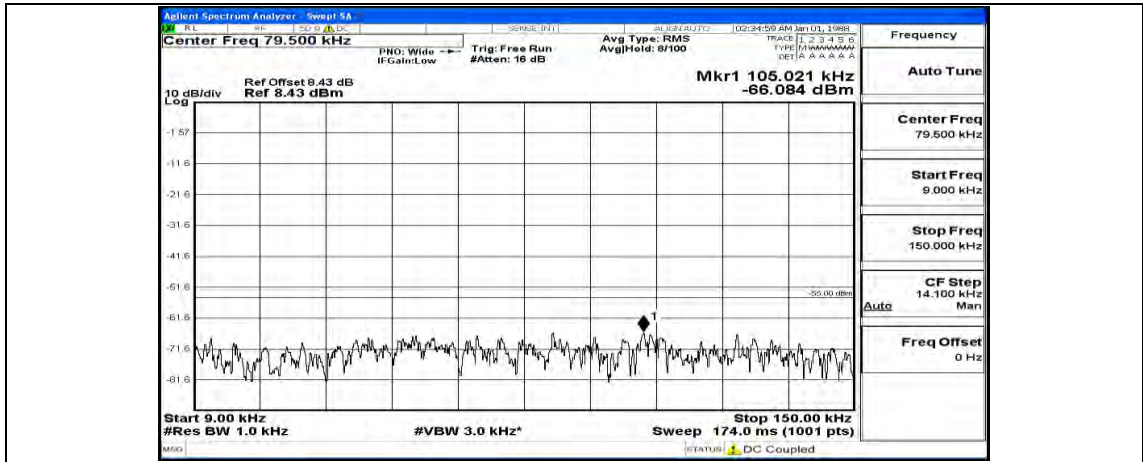
Channel Bandwidth: 5 MHz

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

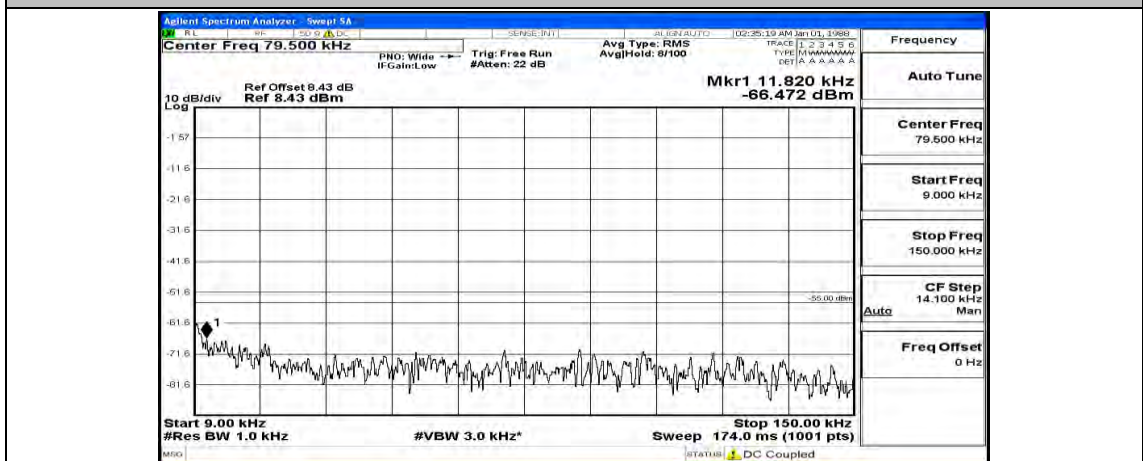


(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_1RB#12

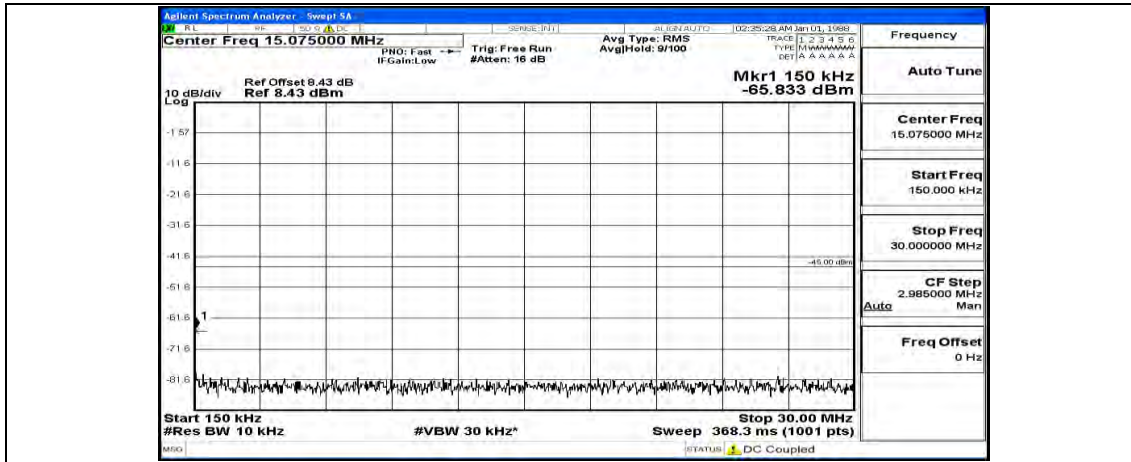




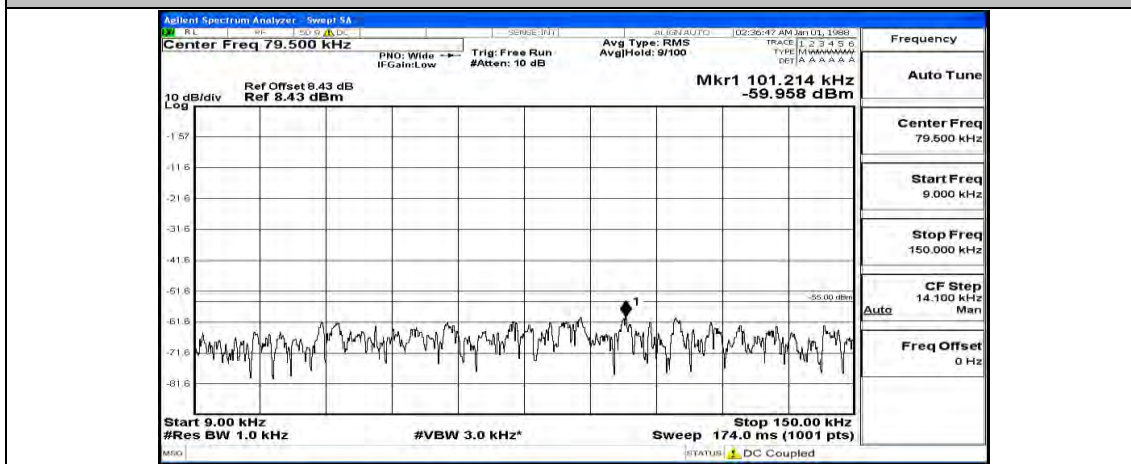
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_1RB#24

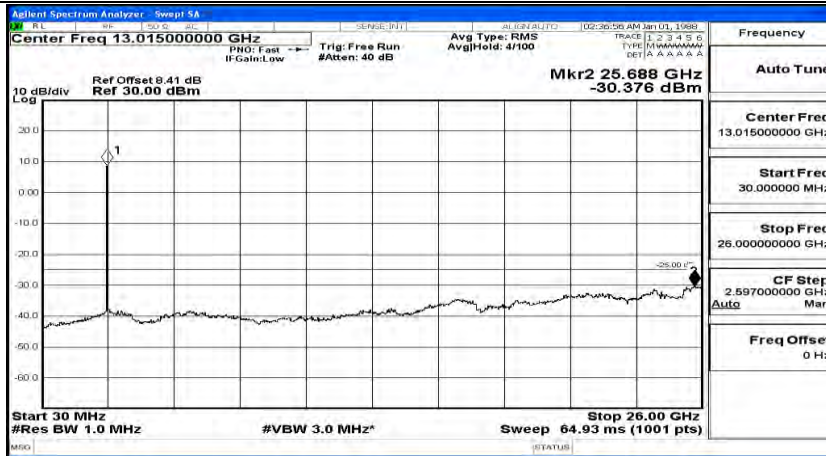
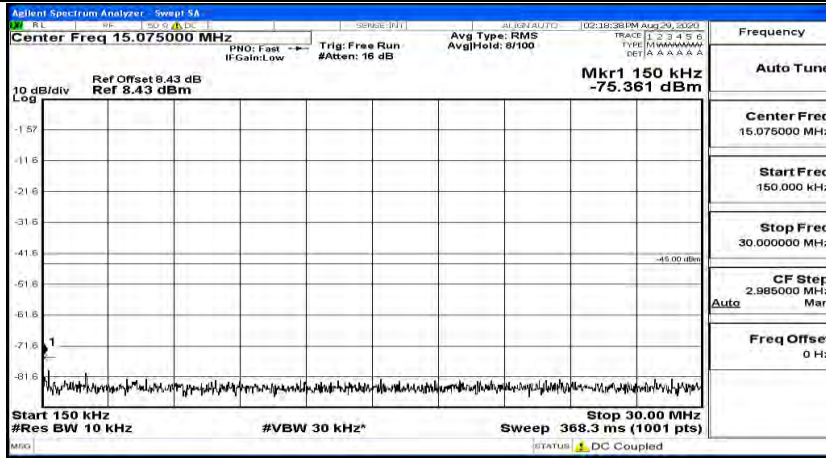




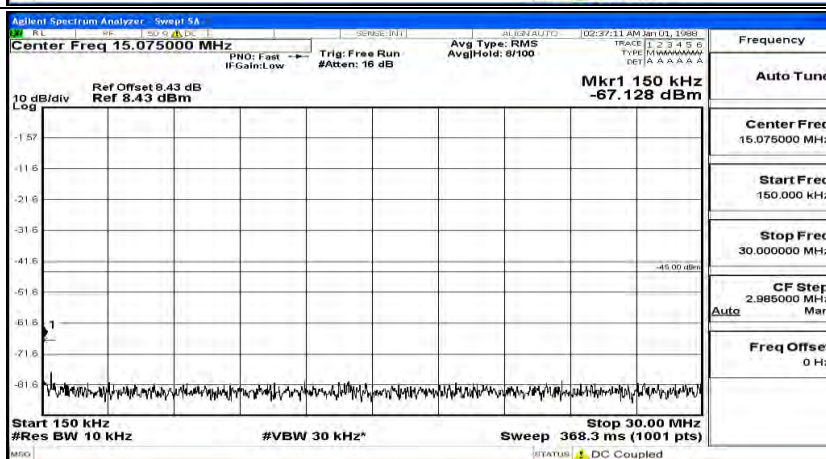
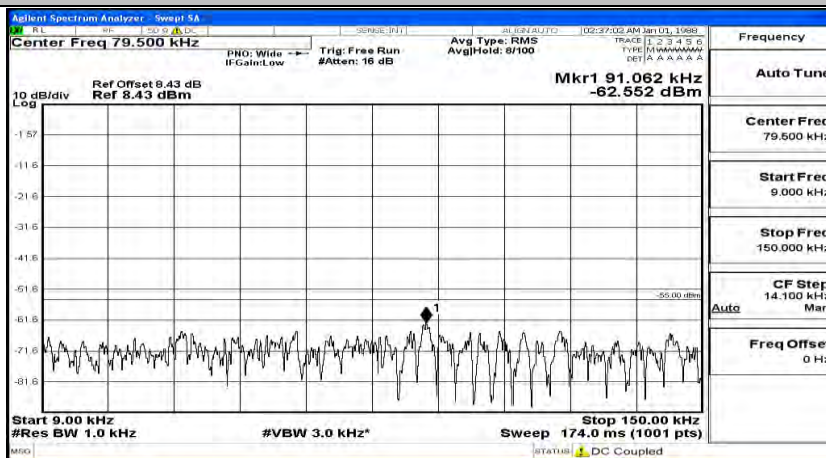


(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#0



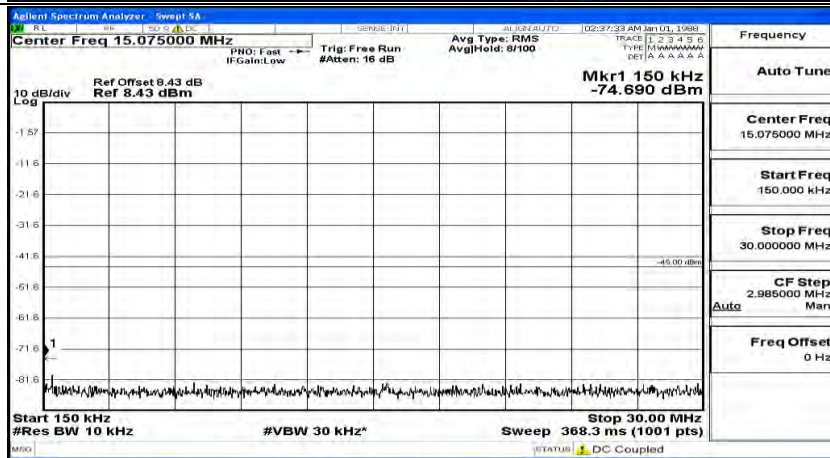
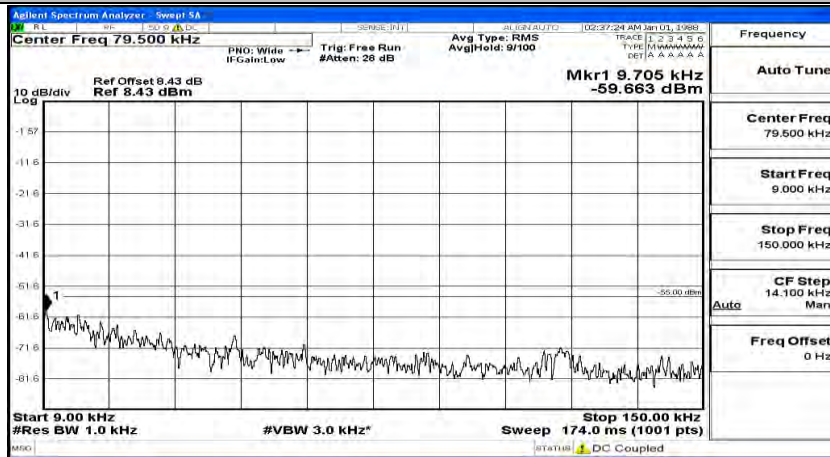


(Channel Bandwidth: 5 MHz) MCH\_QPSK\_1RB#12



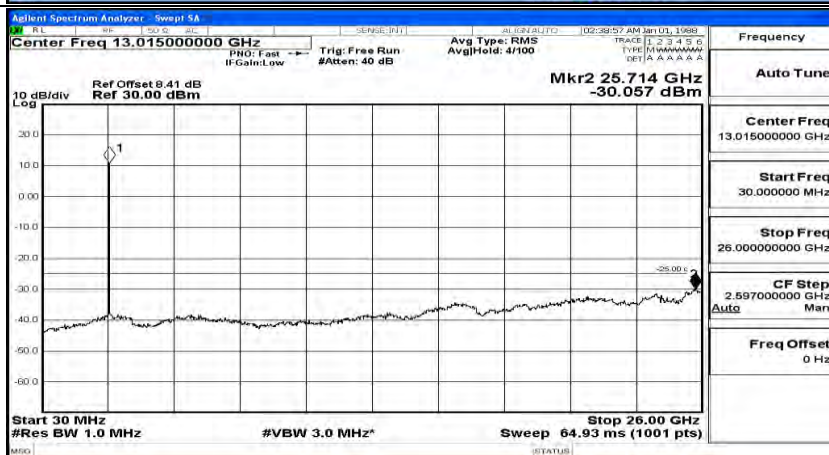
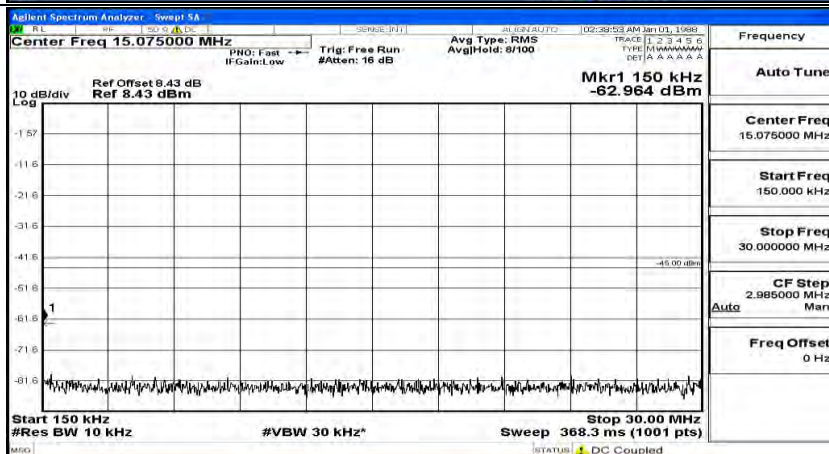
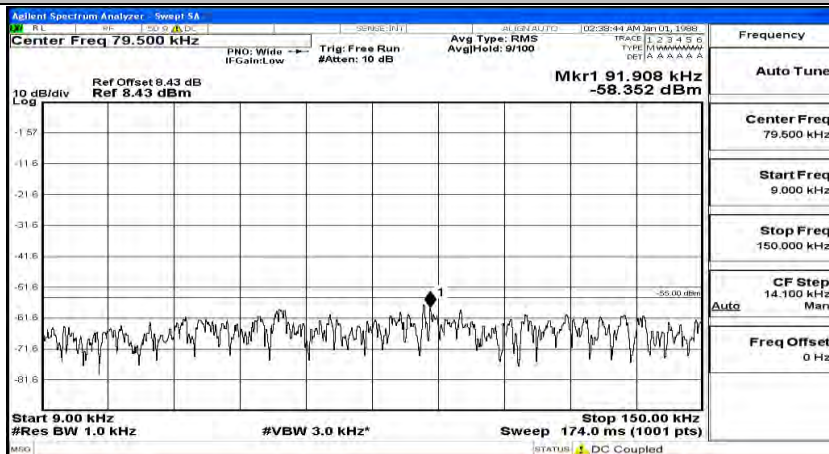


(Channel Bandwidth: 5 MHz) MCH\_QPSK\_1RB#24



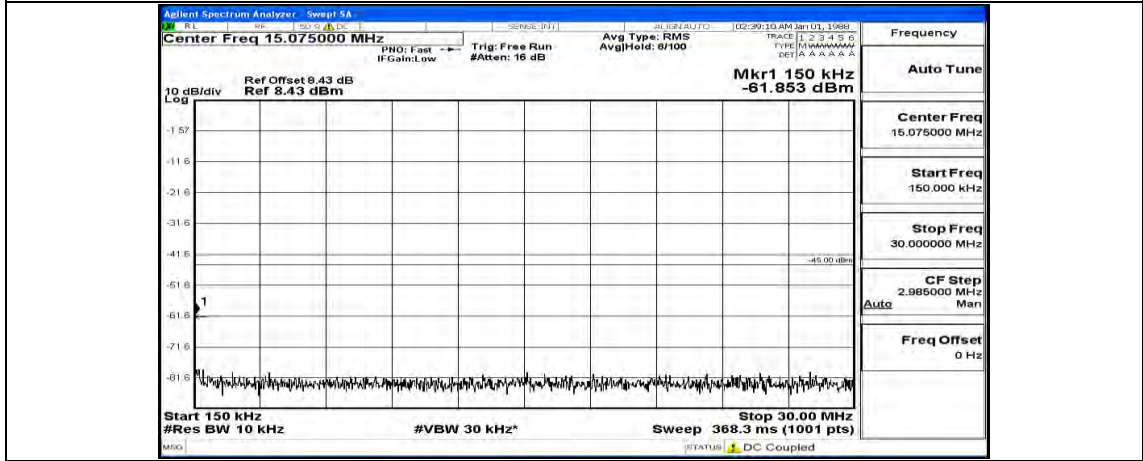
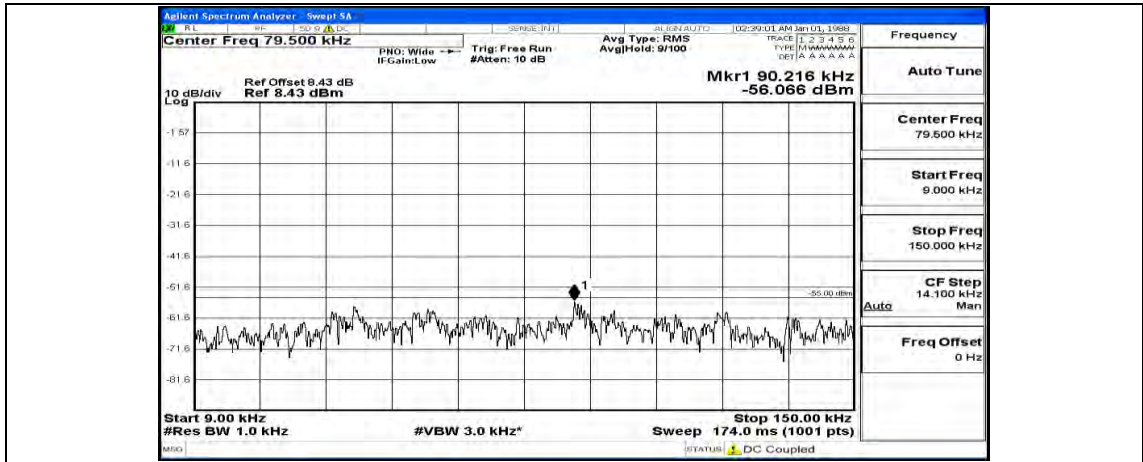


(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#0

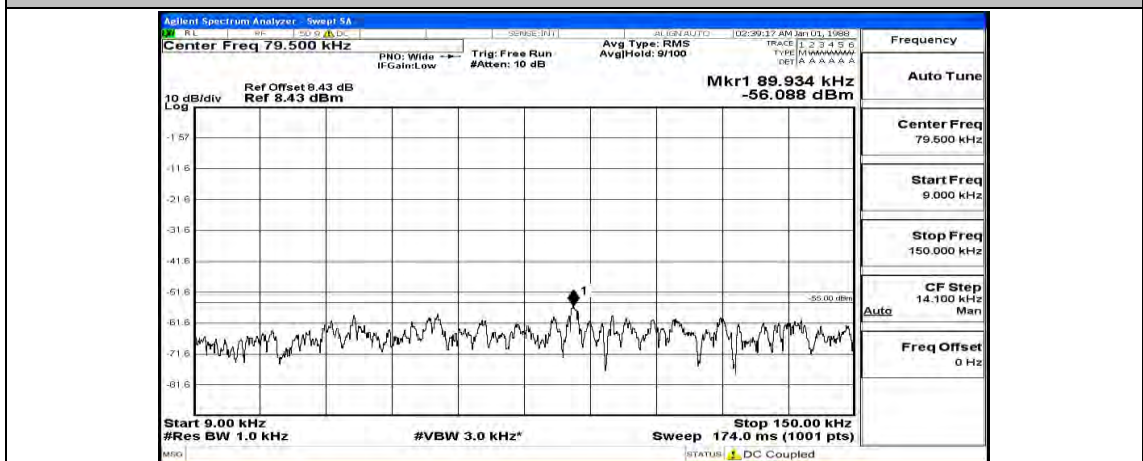


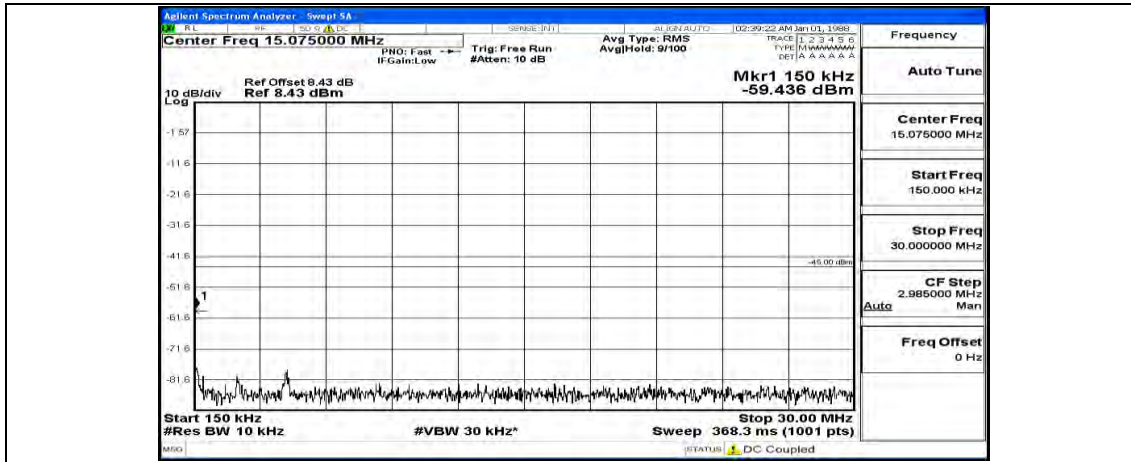
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#12



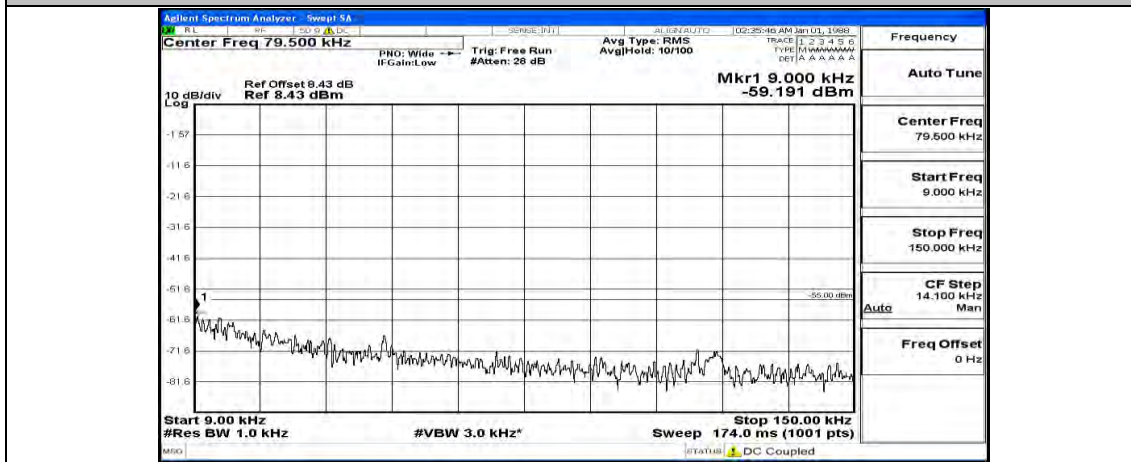


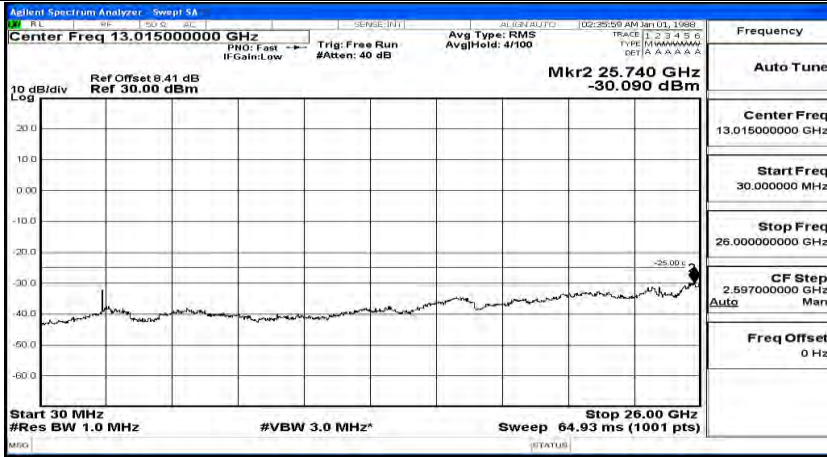
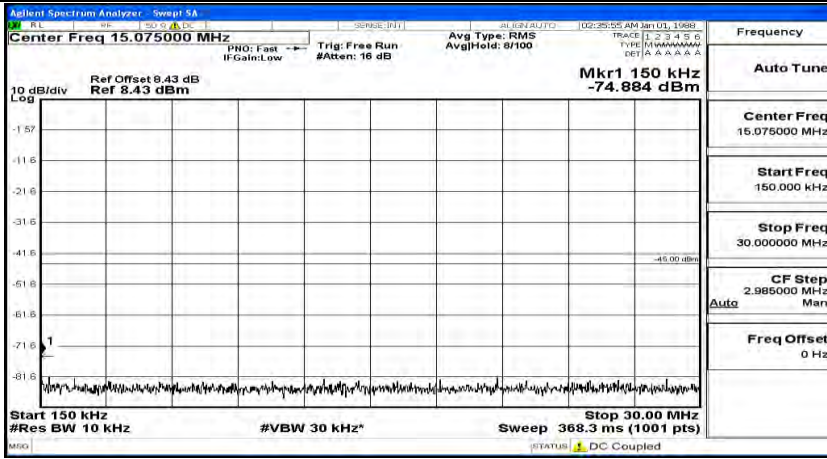
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#24



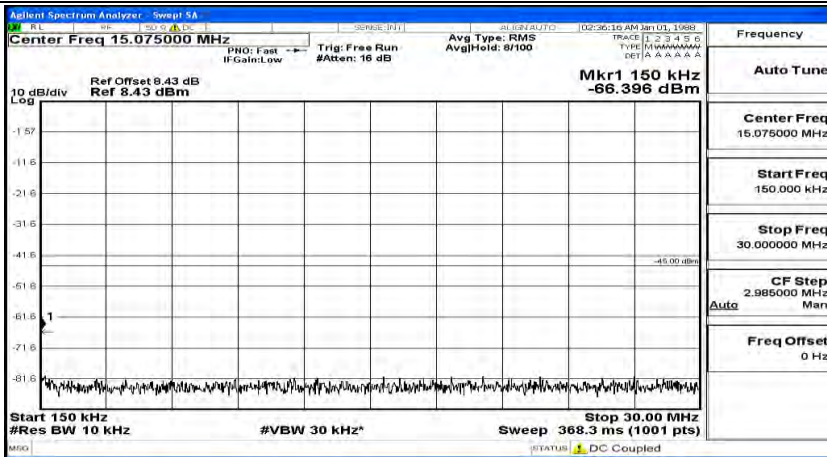
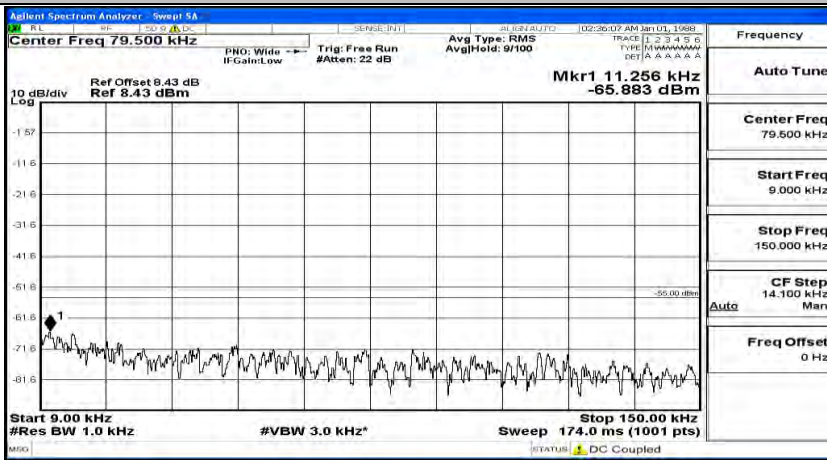


(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#0





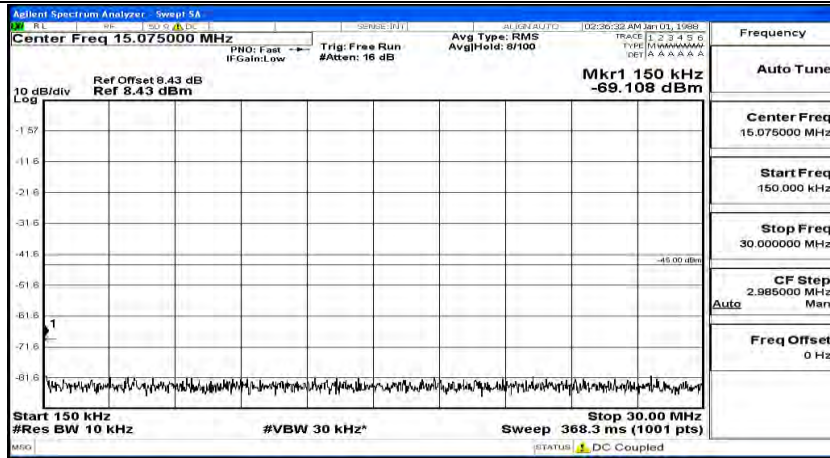
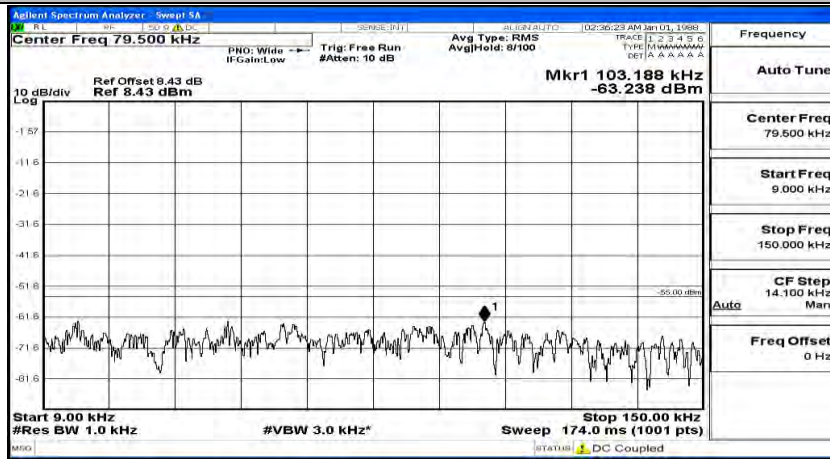
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#12





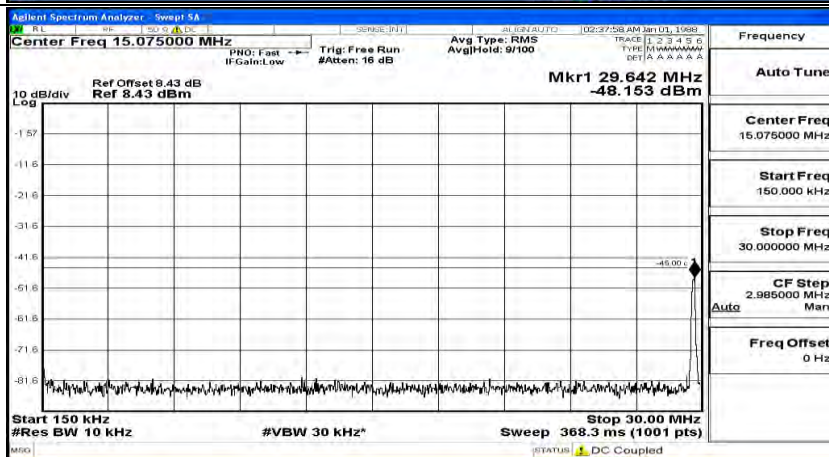
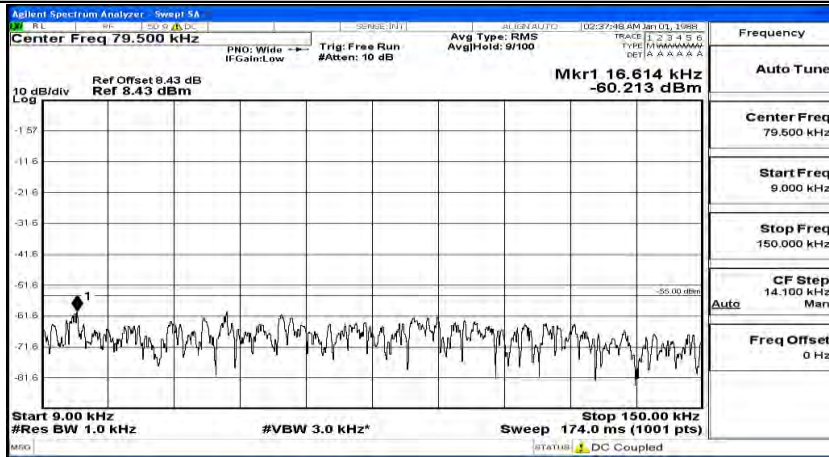


(Channel Bandwidth: 5 MHz) LCH\_16QAM\_1RB#24

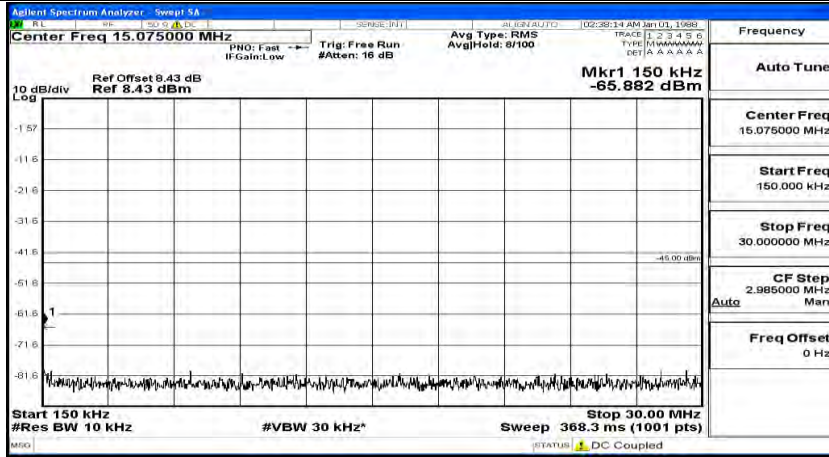
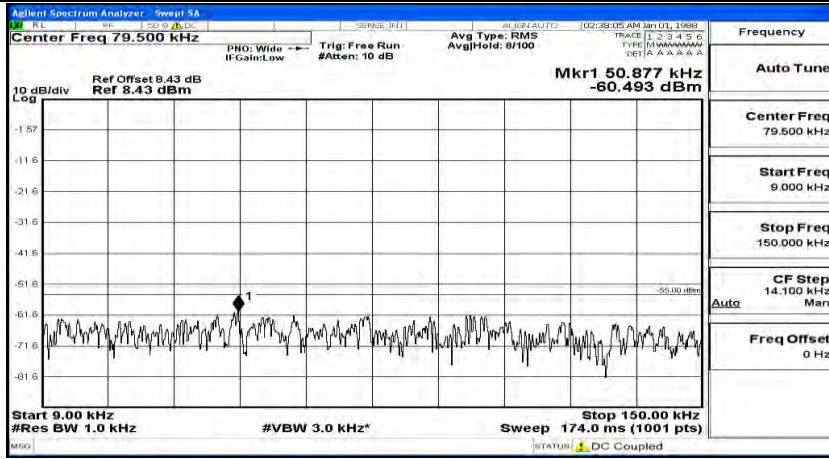




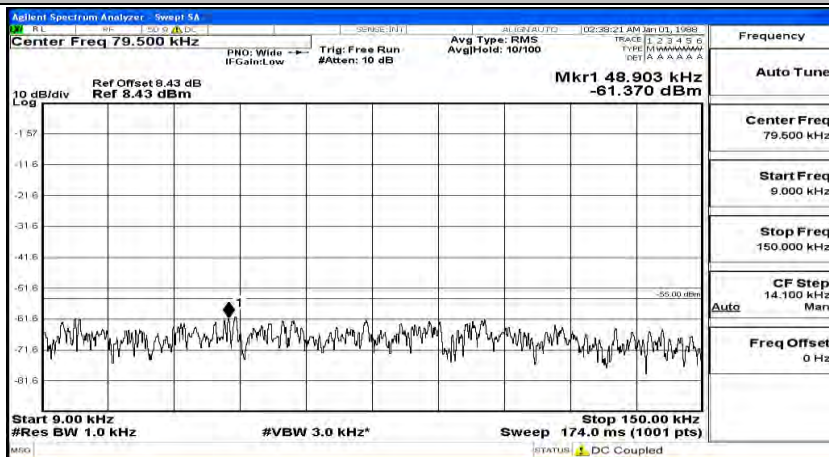
(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#0

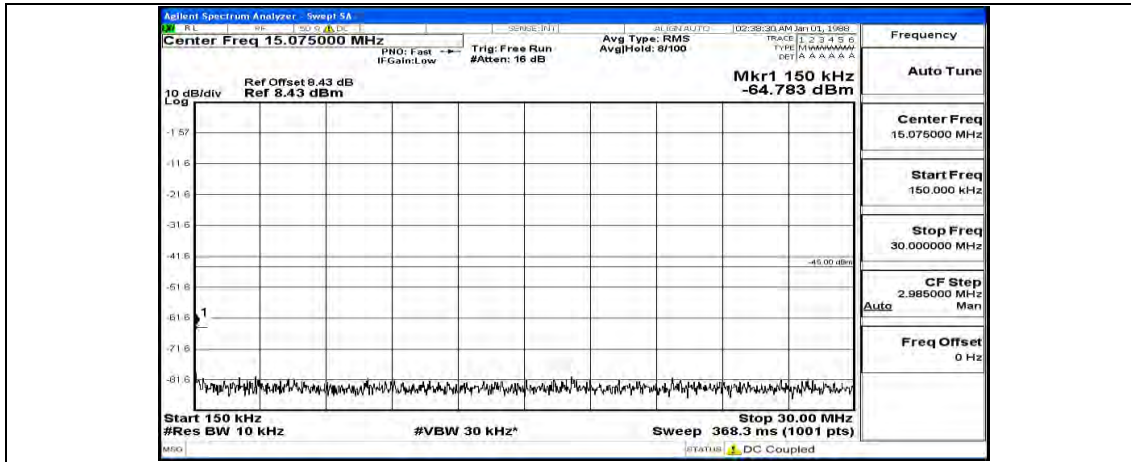


(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#12

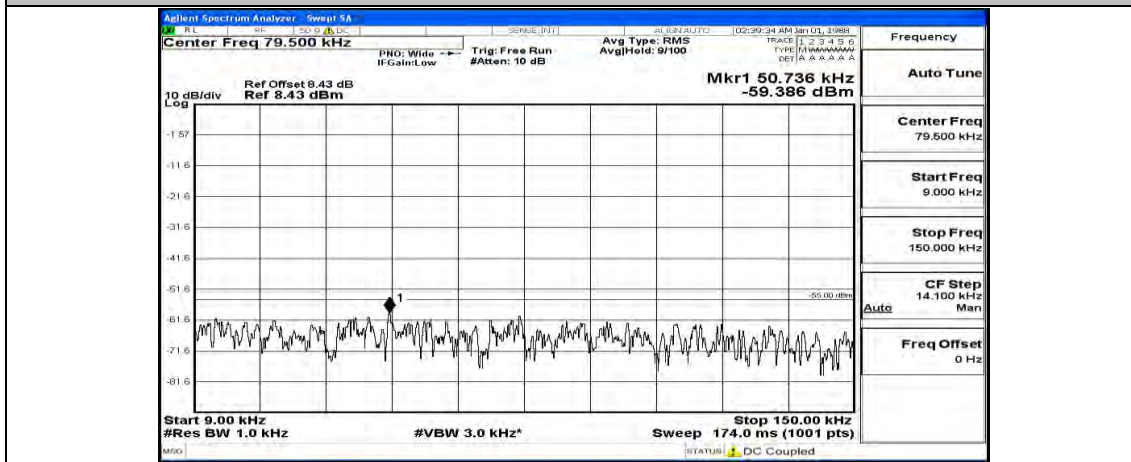


(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#24

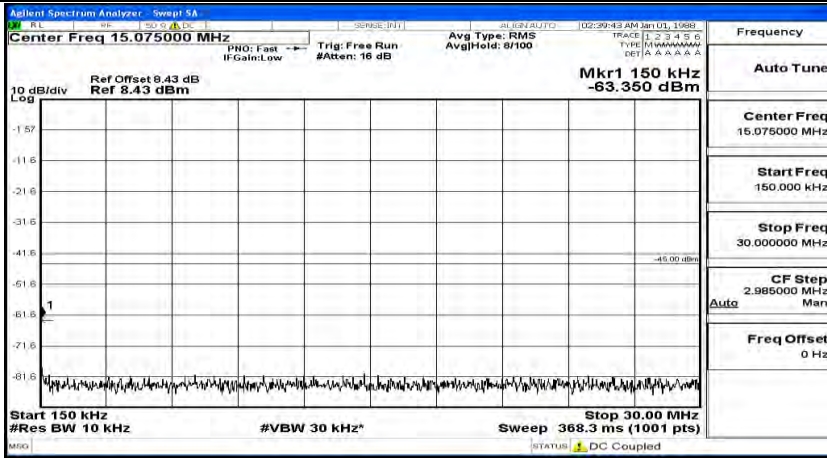




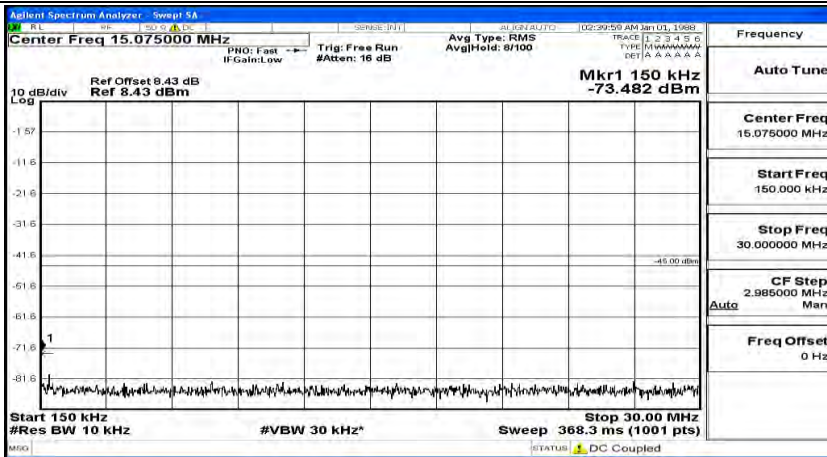
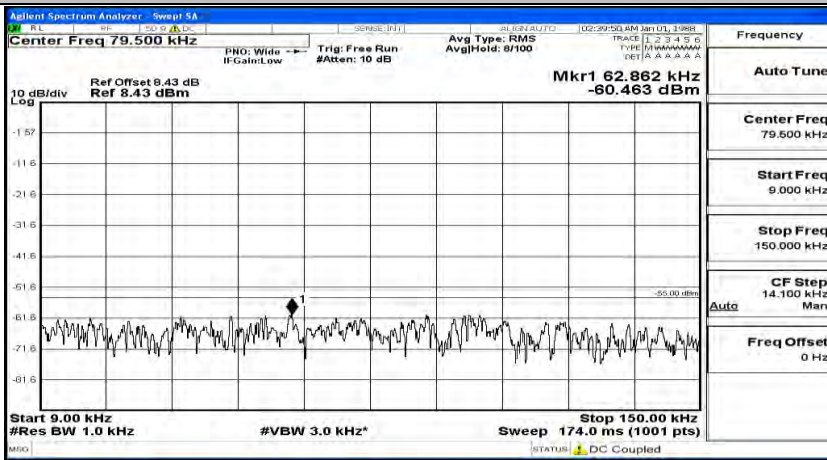
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#0







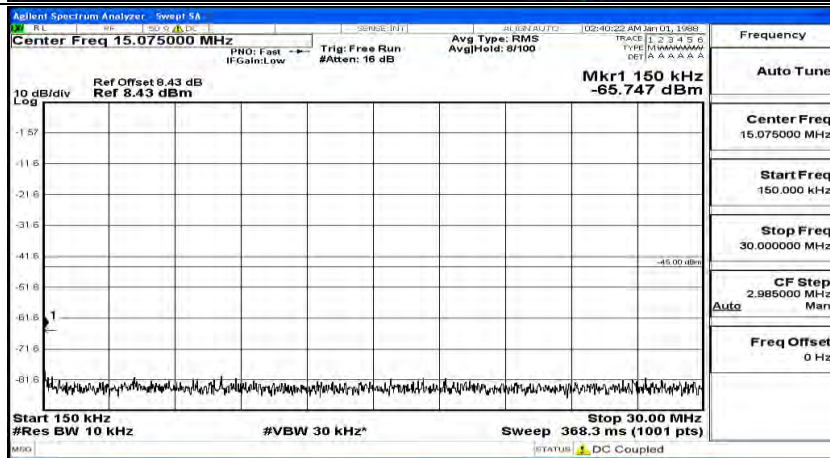
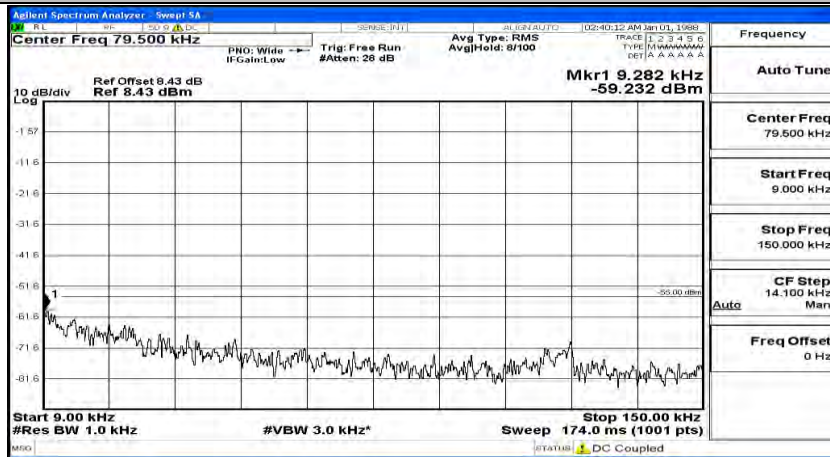
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#12



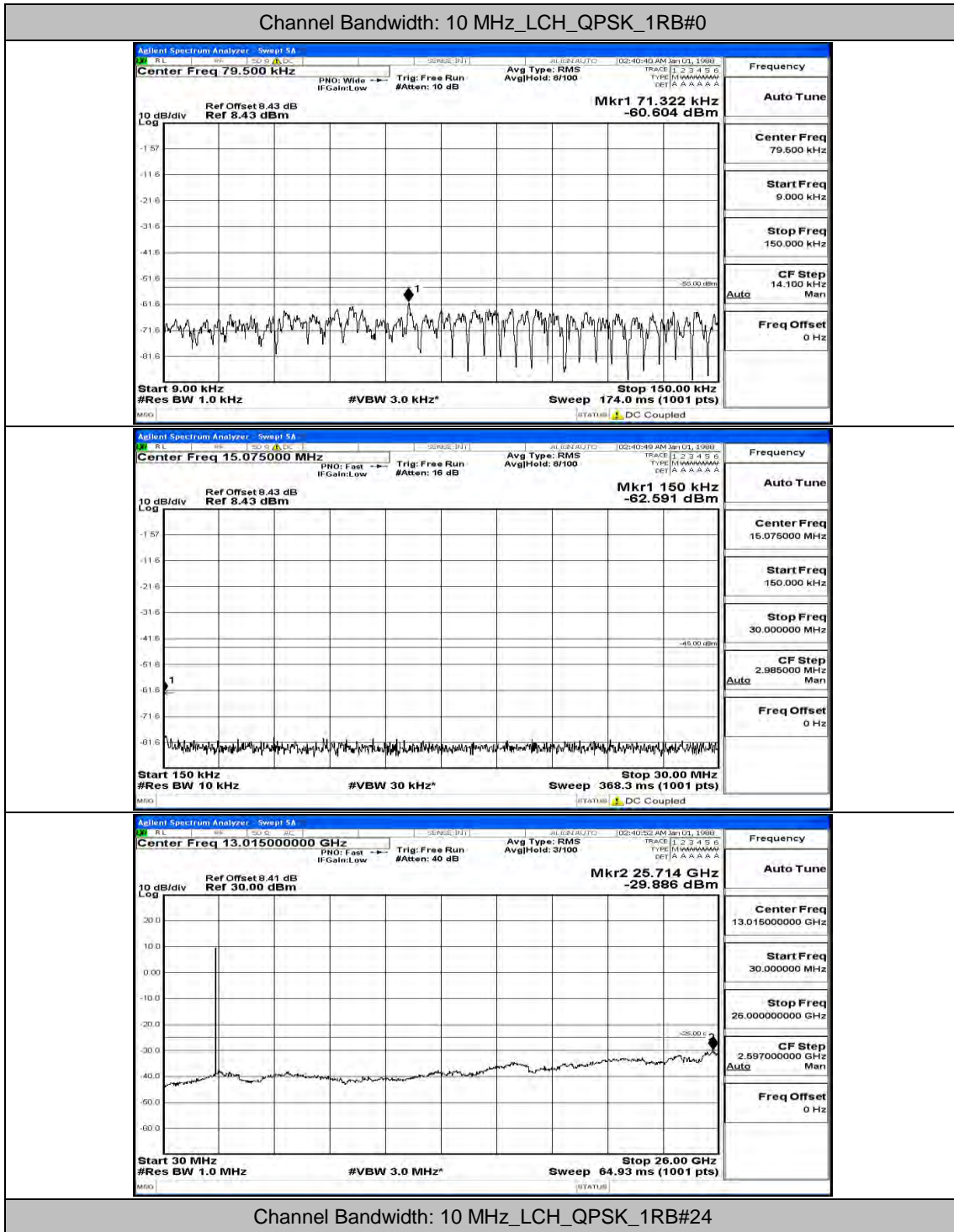


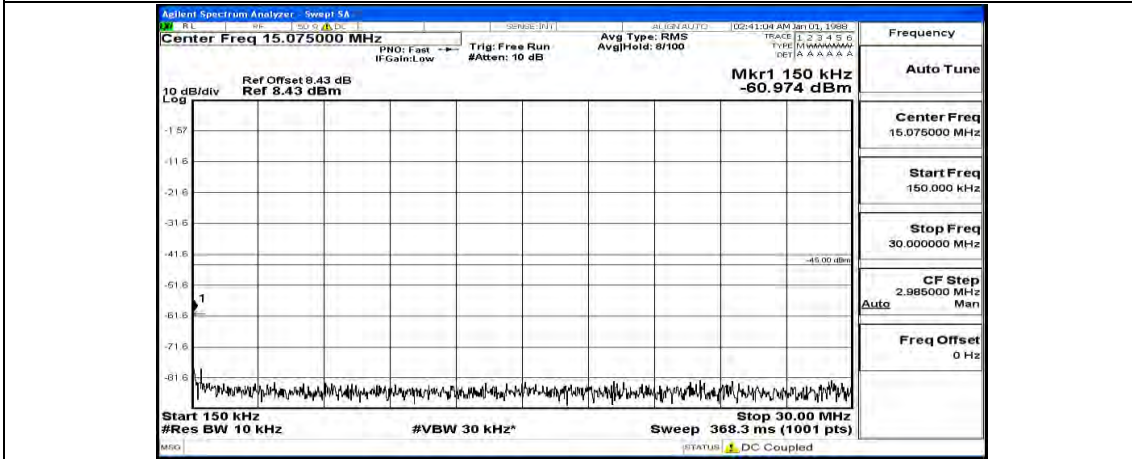
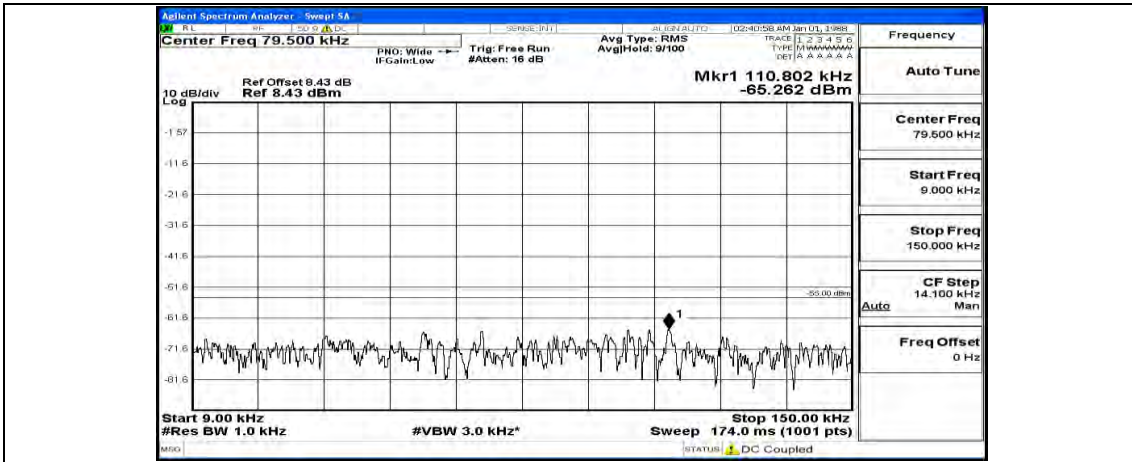


(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#24

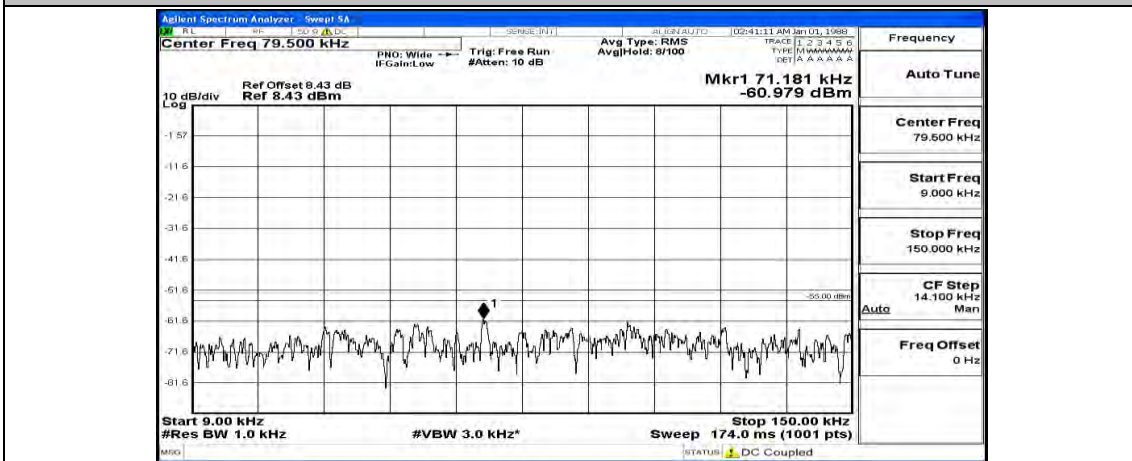


### Channel Bandwidth: 10 MHz

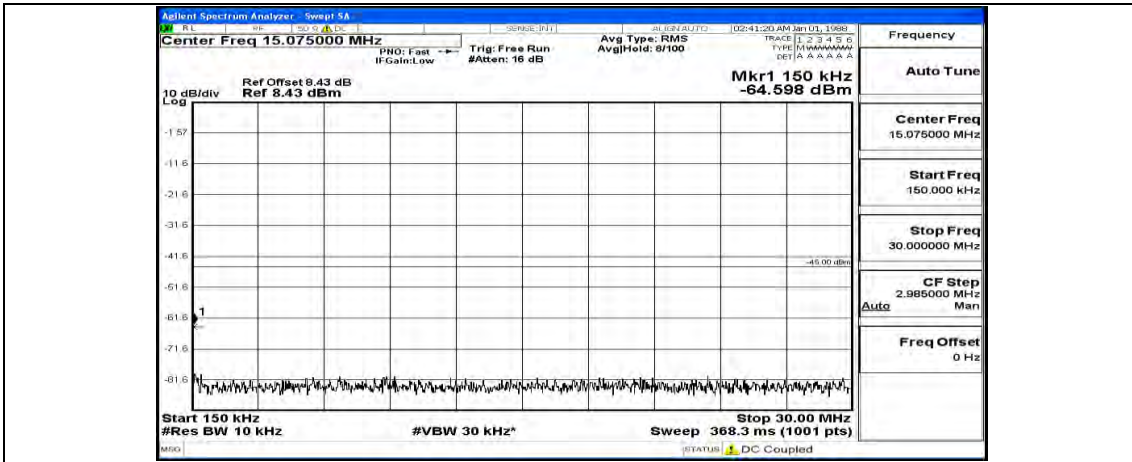




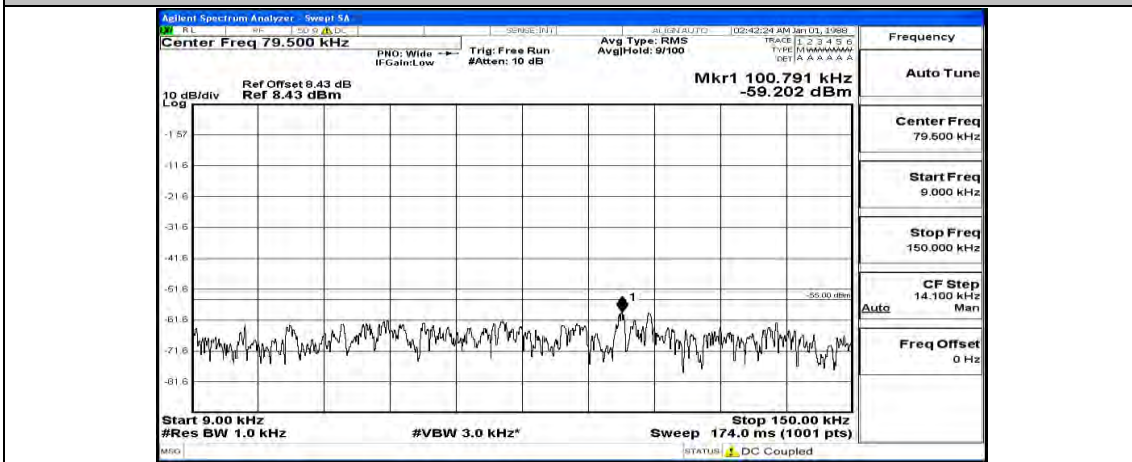
Channel Bandwidth: 10 MHz\_LCH\_QPSK\_1RB#49



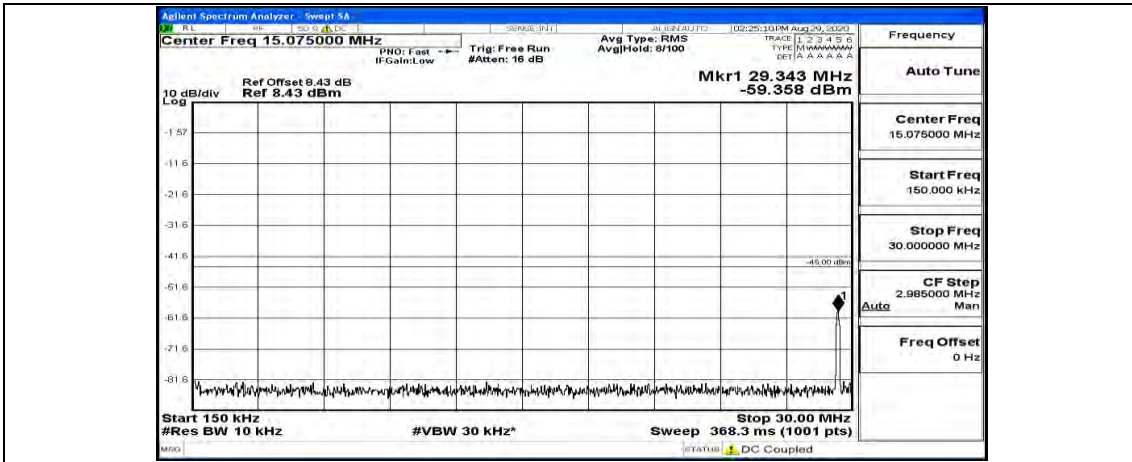




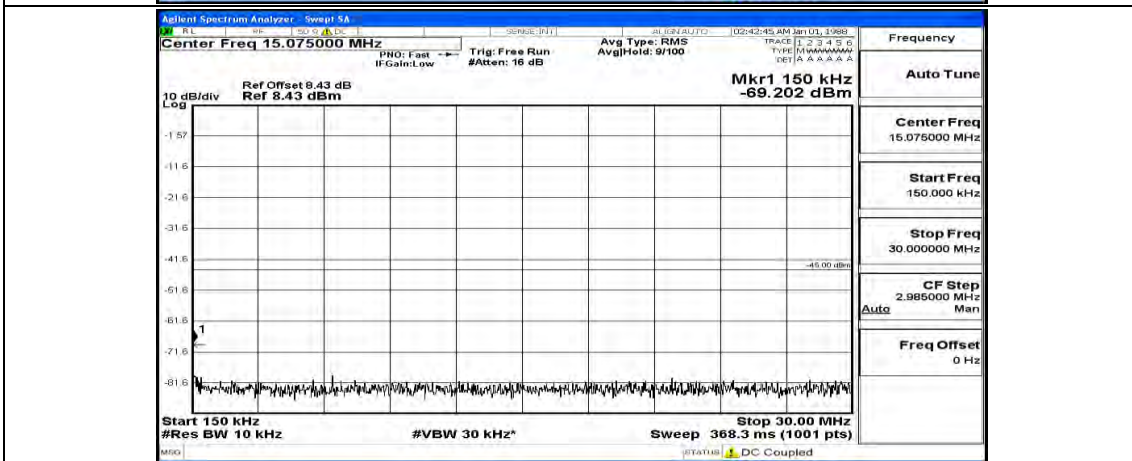
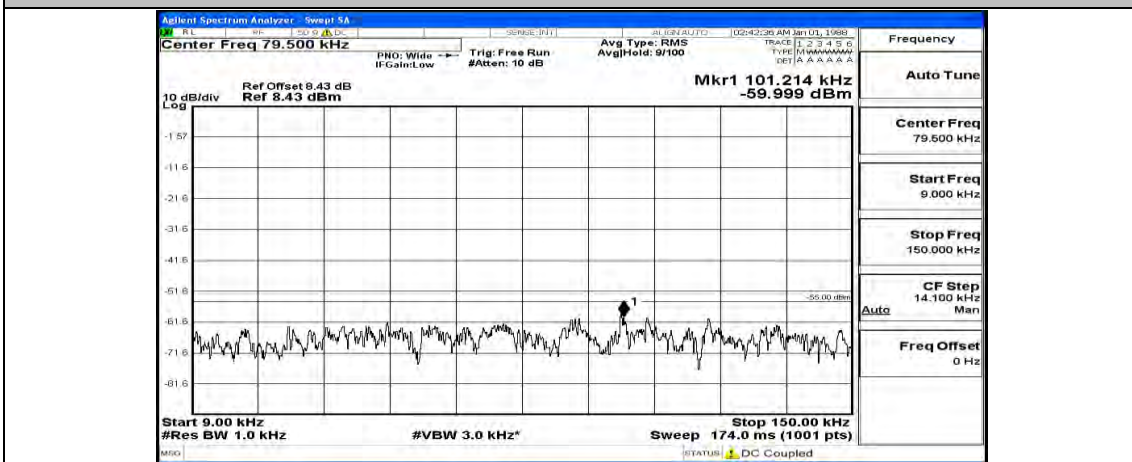
Channel Bandwidth: 10 MHz\_MCH\_QPSK\_1RB#0







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





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

