Appendix F: Test Data for E-UTRA Band 4

Product Name: Smart POS

Trade Mark: N/A

Test Model: WIZARPOS Q3

Environmental Conditions

Temperature:	22.5° C
Relative Humidity:	53.7%
ATM Pressure:	100.0 kPa
Test Engineer:	Li Huan
Supervised by:	Tom.Liu

F.1 Conducted Output Power

Conducted Output Power Test Result (Channel Bandwidth: 1.4 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	23.16	22.46	PASS
		1	3	23.06	22.43	PASS
		1	5	22.91	22.29	PASS
		3	0	23.07	22.32	PASS
		3	2	23.02	22.25	PASS
		3	3	22.93	22.15	PASS
		6	0	22.68	21.53	PASS
	MCH	1	0	23.15	22.55	PASS
		1	3	23.15	22.40	PASS
		1	5	23.00	22.29	PASS
		3	0	23.24	22.25	PASS
		3	2	23.30	22.18	PASS
		3	3	23.16	21.98	PASS
		6	0	21.97	21.08	PASS
	HCH	1	0	23.76	22.31	PASS
		1	3	23.93	22.50	PASS
		1	5	23.63	22.42	PASS
		3	0	23.61	22.24	PASS
		3	2	23.66	22.39	PASS
		3	3	23.65	22.31	PASS
		6	0	22.45	21.78	PASS

Conducted Output Power Test Result (Channel Bandwidth: 3 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	23.13	22.44	PASS
		1	7	22.92	22.23	PASS
		1	14	22.50	21.85	PASS
		8	0	22.78	21.96	PASS
		8	4	22.54	21.79	PASS
		8	7	22.54	21.55	PASS
		15	0	22.69	21.81	PASS
	MCH	1	0	23.10	22.47	PASS
		1	7	23.32	22.29	PASS
		1	14	23.18	21.97	PASS
		8	0	22.08	21.13	PASS
		8	4	22.20	21.19	PASS
		8	7	22.11	21.11	PASS
		15	0	22.03	21.14	PASS
	HCH	1	0	23.47	22.49	PASS
		1	7	23.97	22.89	PASS
		1	14	24.05	22.96	PASS
		8	0	22.39	21.09	PASS
		8	4	22.59	21.25	PASS
		8	7	22.53	21.57	PASS
		15	0	22.34	21.38	PASS

Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	23.09	22.50	PASS
		1	12	22.67	22.13	PASS
		1	24	22.24	21.68	PASS
		12	0	22.63	21.99	PASS
		12	6	22.50	21.79	PASS
		12	13	22.24	21.50	PASS
		25	0	22.45	21.61	PASS
	MCH	1	0	23.03	22.33	PASS
		1	12	23.28	22.21	PASS
		1	24	23.03	22.23	PASS
		12	0	22.10	21.27	PASS
		12	6	22.07	21.33	PASS
		12	13	22.06	21.21	PASS
		25	0	22.03	21.18	PASS
	HCH	1	0	23.28	21.60	PASS
		1	12	24.10	22.18	PASS
		1	24	24.17	22.15	PASS
		12	0	22.39	21.39	PASS
		12	6	22.63	21.73	PASS
		12	13	22.67	21.77	PASS
		25	0	22.54	21.59	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	22.21	21.58	PASS
		1	24	22.32	21.71	PASS
		1	49	22.17	21.55	PASS
		25	0	22.16	21.27	PASS
		25	12	22.18	21.31	PASS
		25	25	22.16	21.26	PASS
		50	0	22.12	21.23	PASS
	MCH	1	0	22.56	21.95	PASS
		1	24	23.27	22.67	PASS
		1	49	23.34	22.73	PASS
		25	0	22.15	21.19	PASS
		25	12	22.12	21.15	PASS
		25	25	22.03	21.04	PASS
		50	0	22.04	21.16	PASS
	HCH	1	0	22.34	21.83	PASS
		1	24	23.29	22.83	PASS
		1	49	23.70	23.21	PASS
		25	0	22.26	21.24	PASS
		25	12	22.55	21.70	PASS
		25	25	22.61	21.68	PASS
		50	0	22.36	21.43	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	21.94	21.30	PASS
		1	37	22.47	21.87	PASS
		1	74	22.98	22.33	PASS
		37	0	21.91	21.01	PASS
		37	18	22.39	21.48	PASS
		37	38	22.92	22.04	PASS
		75	0	22.38	21.52	PASS
	MCH	1	0	22.77	22.13	PASS
		1	37	23.14	22.55	PASS
		1	74	23.18	22.73	PASS
		37	0	22.28	21.37	PASS
		37	18	22.13	21.11	PASS
		37	38	21.99	20.92	PASS
		75	0	22.07	21.20	PASS
	HCH	1	0	22.98	22.49	PASS
		1	37	22.80	22.29	PASS
		1	74	23.40	22.84	PASS
		37	0	22.10	21.07	PASS
		37	18	22.34	21.41	PASS
		37	38	22.56	21.66	PASS
		75	0	22.36	21.37	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	22.51	21.58	PASS
		1	49	23.71	21.85	PASS
		1	99	22.69	21.37	PASS
		50	0	22.26	21.31	PASS
		50	25	23.08	22.02	PASS
		50	50	22.62	21.68	PASS
		100	0	22.58	21.70	PASS
	MCH	1	0	22.81	22.00	PASS
		1	49	23.23	22.25	PASS
		1	99	22.91	21.25	PASS
		50	0	22.17	21.34	PASS
		50	25	21.92	21.11	PASS
		50	50	21.74	20.89	PASS
		100	0	22.03	21.12	PASS
	HCH	1	0	22.80	21.64	PASS
		1	49	23.51	22.09	PASS
		1	99	23.47	22.42	PASS
		50	0	21.89	20.96	PASS
		50	25	22.02	20.98	PASS
		50	50	22.25	21.13	PASS
		100	0	22.11	21.13	PASS

F.2 Peak-to-Average Ratio

Peak-to Average Ratio Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.18	<13	PASS
	MCH	5.28	<13	PASS
	HCH	5.11	<13	PASS
16QAM	LCH	6.01	<13	PASS
	MCH	6.11	<13	PASS
	HCH	5.96	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.29	<13	PASS
	MCH	5.32	<13	PASS
	HCH	5.25	<13	PASS
16QAM	LCH	6.19	<13	PASS
	MCH	6.2	<13	PASS
	HCH	6.1	<13	PASS

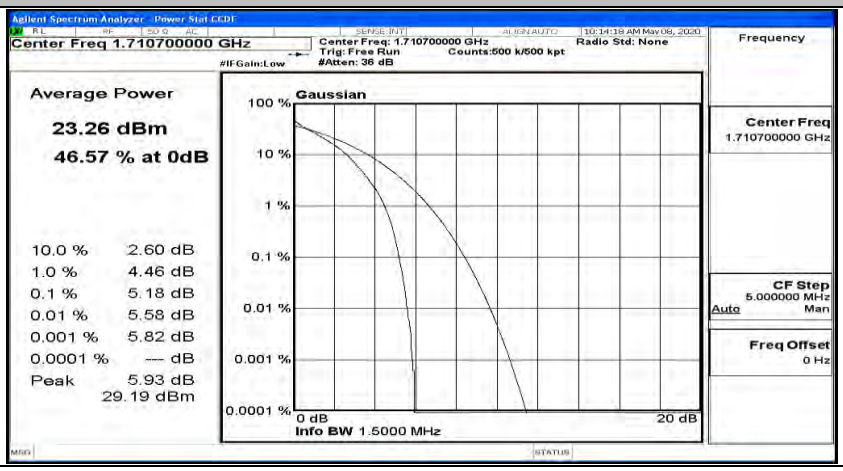
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.6	<13	PASS
	MCH	5.3	<13	PASS
	HCH	5.29	<13	PASS
16QAM	LCH	6.09	<13	PASS
	MCH	6.07	<13	PASS
	HCH	6.03	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.74	<13	PASS
	MCH	5.31	<13	PASS
	HCH	5.31	<13	PASS
16QAM	LCH	6.45	<13	PASS
	MCH	6.02	<13	PASS
	HCH	6.05	<13	PASS

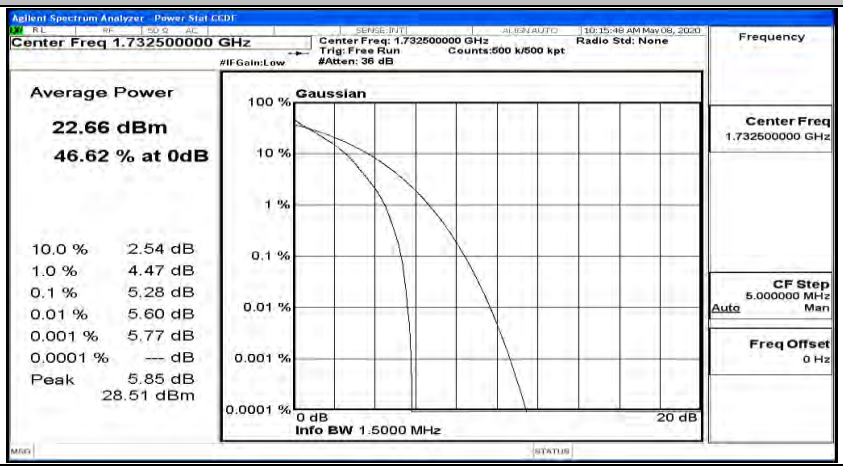
Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.18	<13	PASS
	MCH	4.97	<13	PASS
	HCH	5.04	<13	PASS
16QAM	LCH	6.26	<13	PASS
	MCH	6.19	<13	PASS
	HCH	6.2	<13	PASS

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	5.71	<13	PASS
	HCH	5.84	<13	PASS
16QAM	LCH	6.77	<13	PASS
	MCH	6.73	<13	PASS
	HCH	6.67	<13	PASS

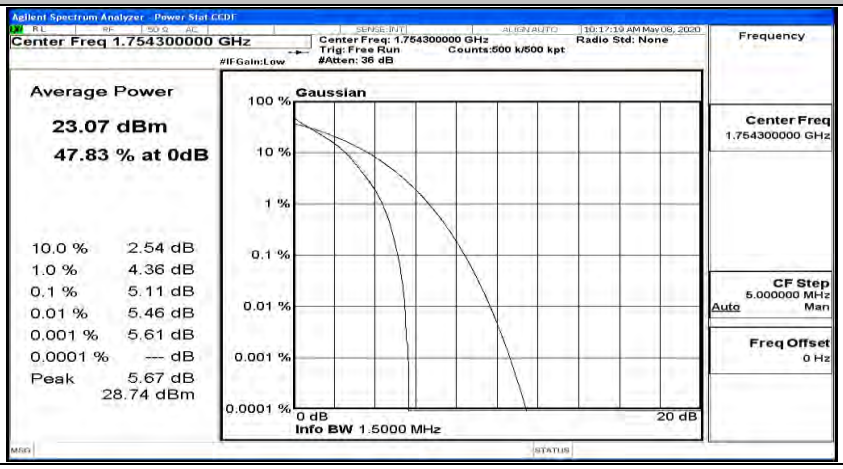
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



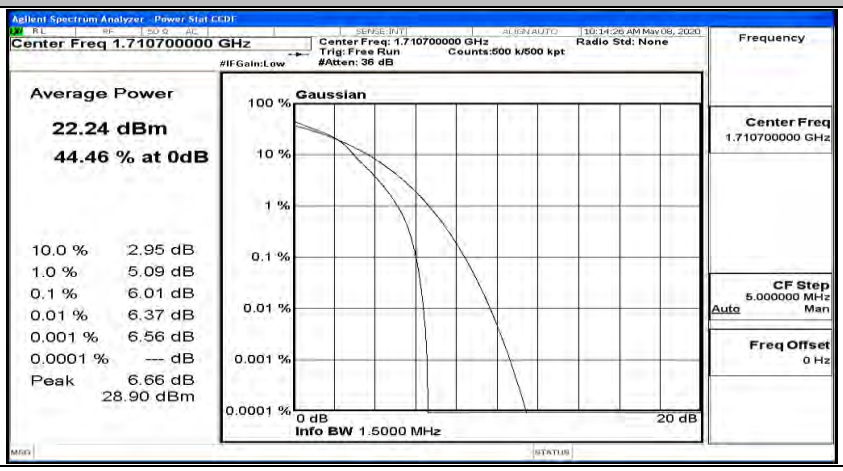
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



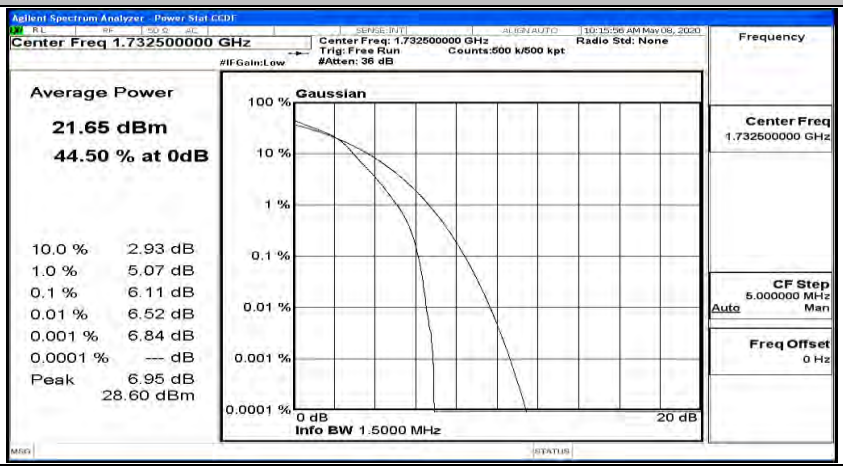
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



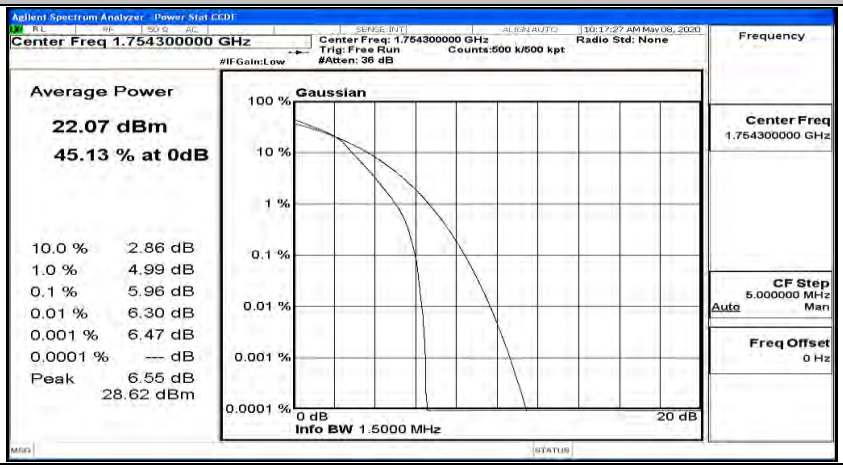
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



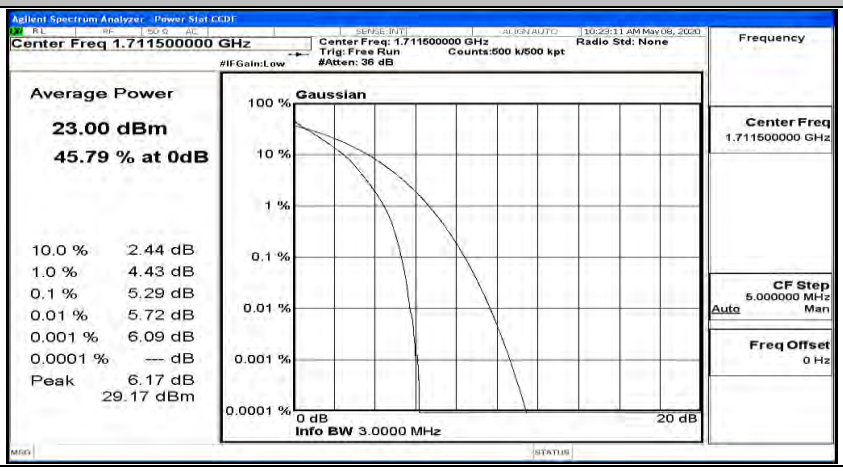
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



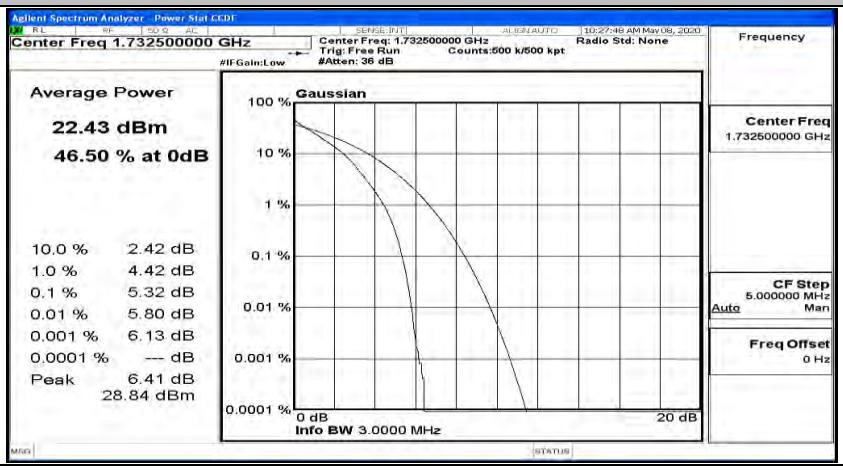
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



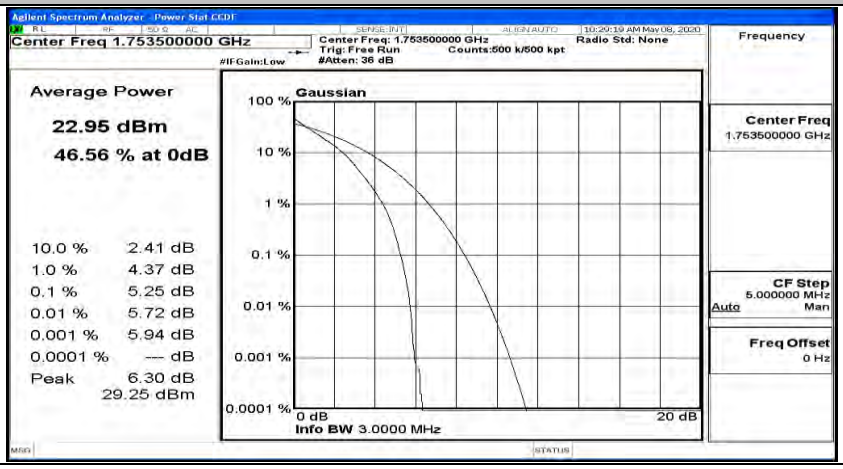
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



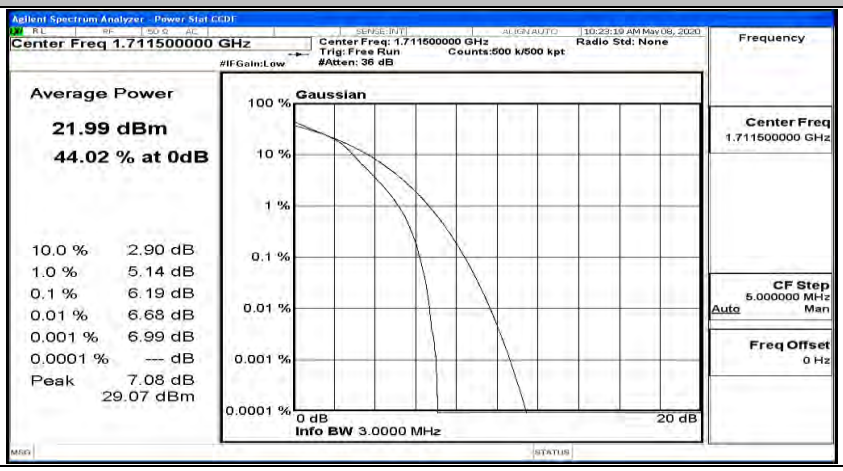
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



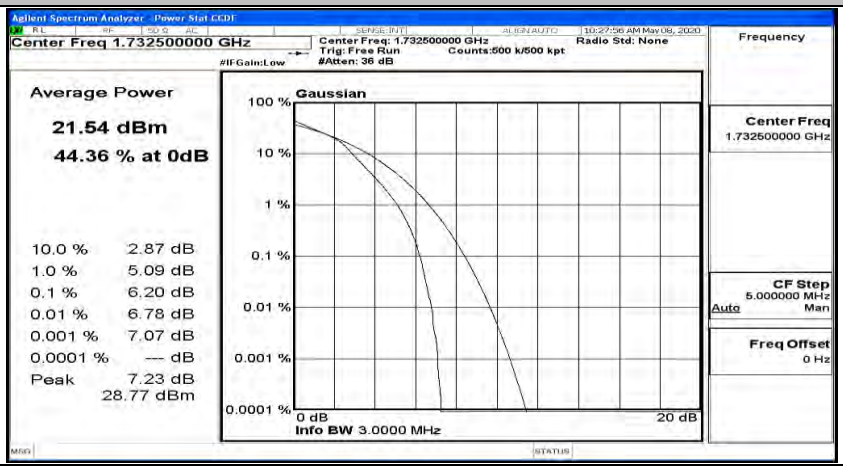
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



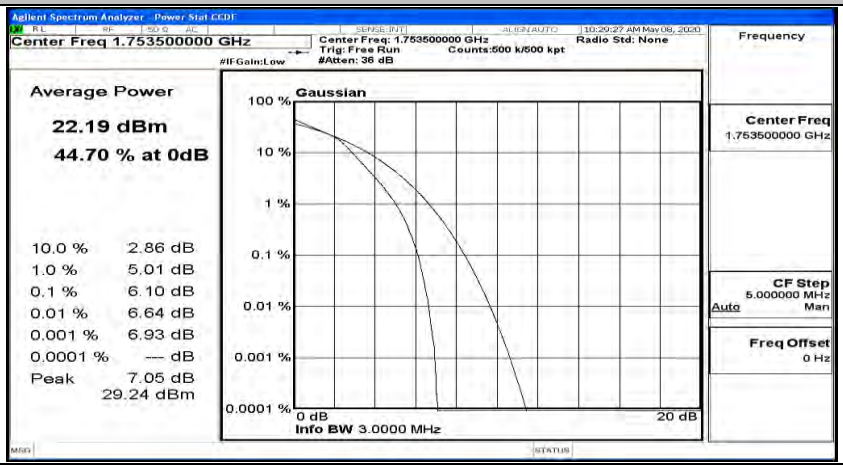
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



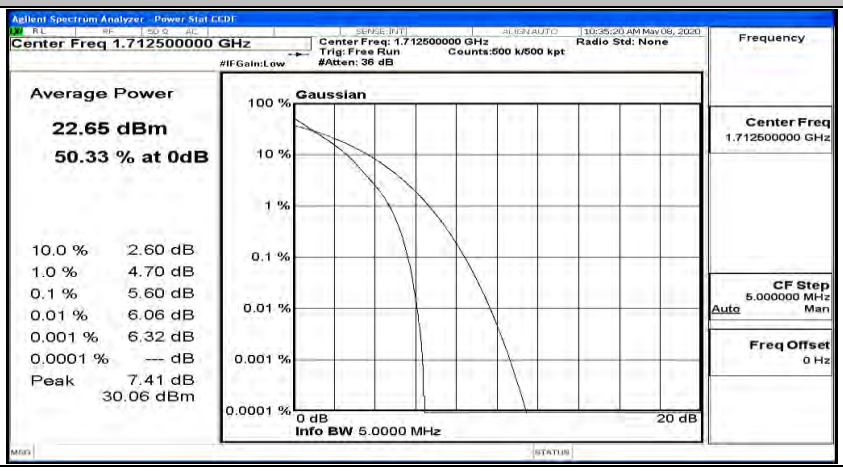
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



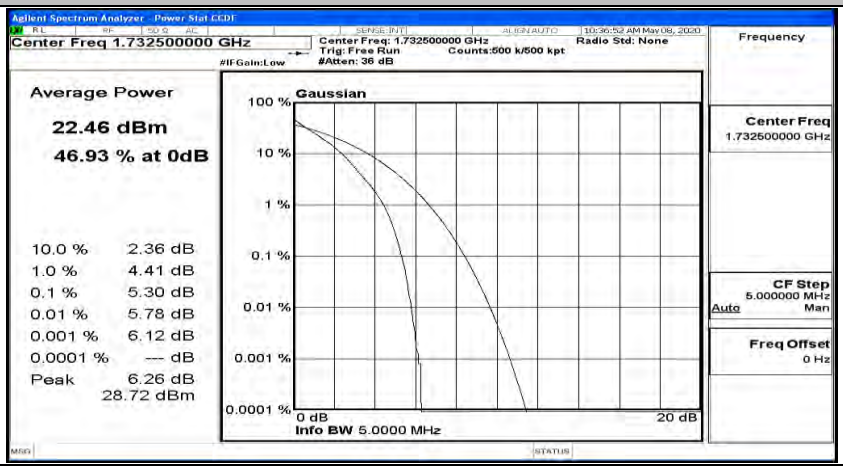
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



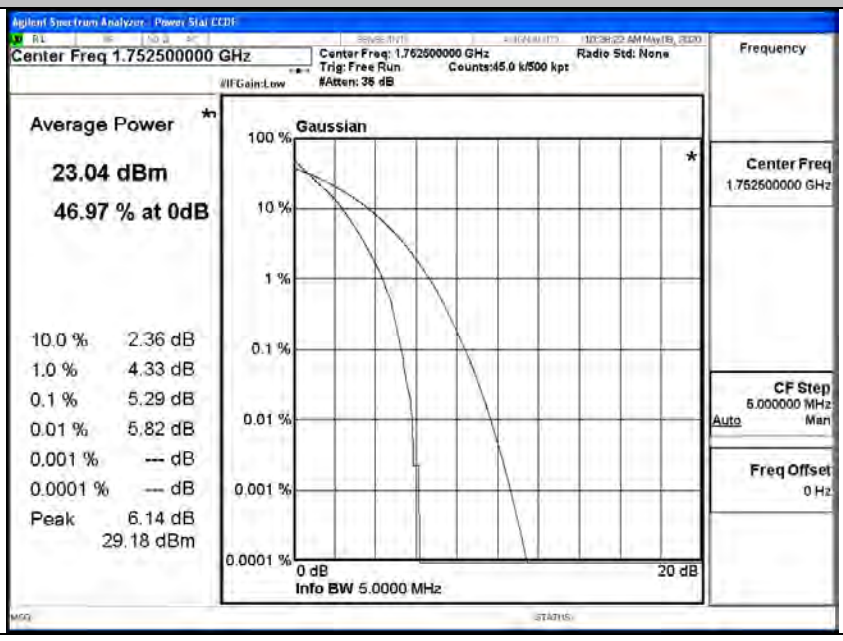
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



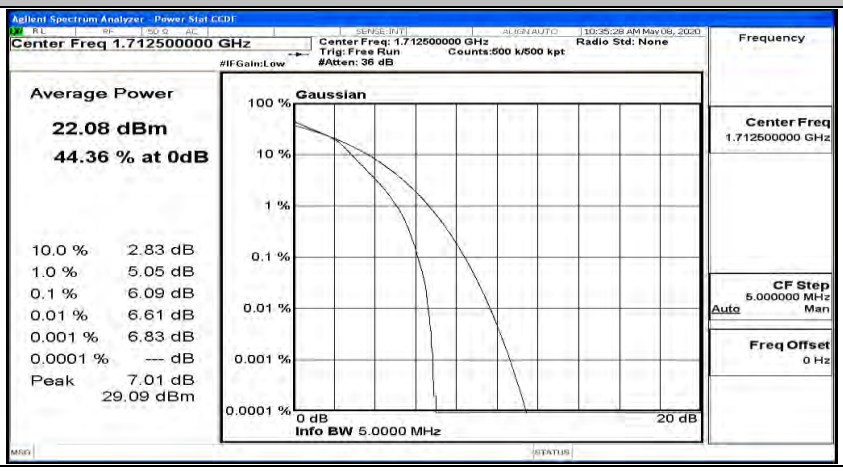
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



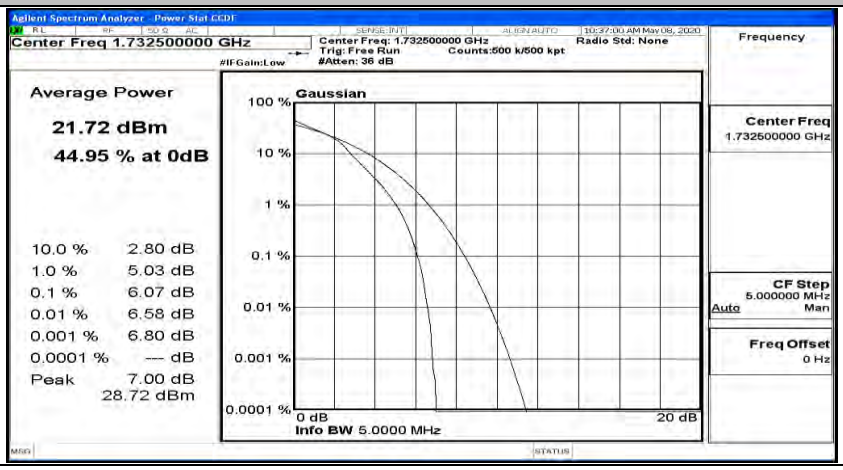
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



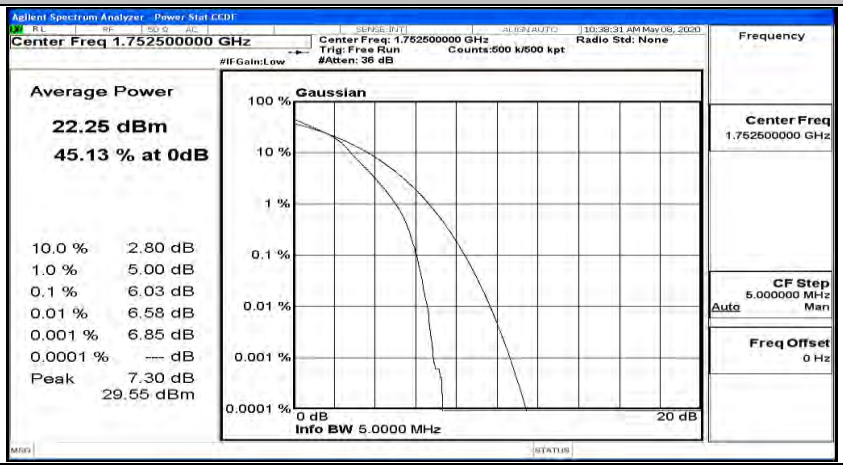
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



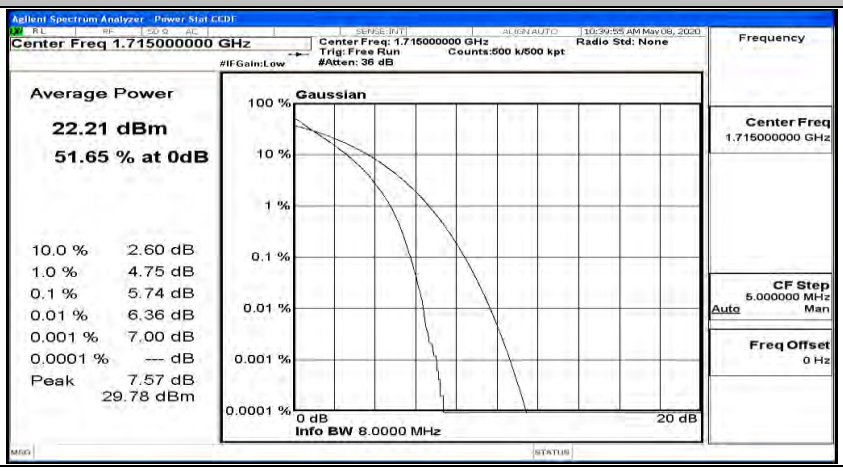
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



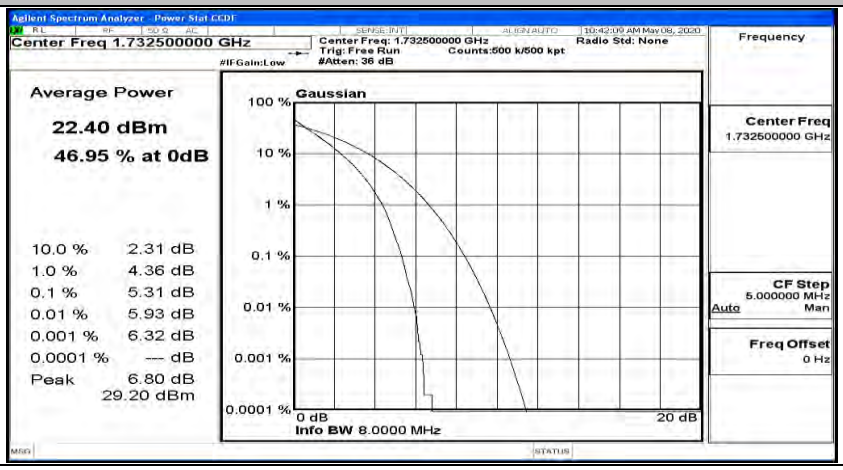
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



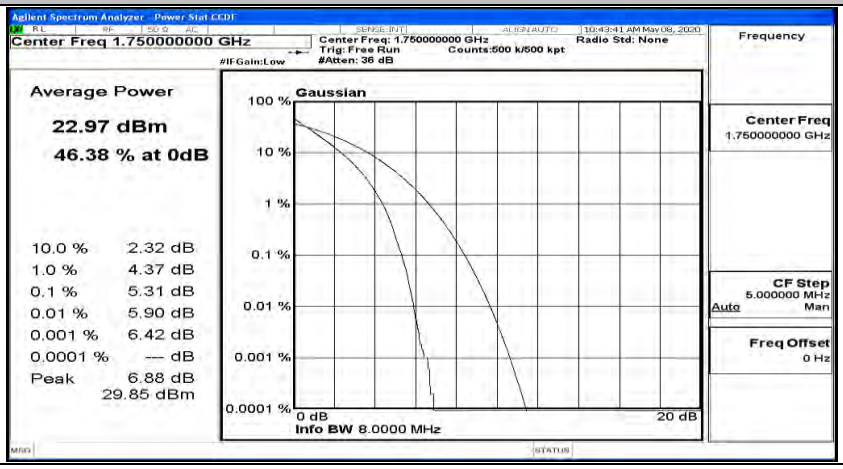
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



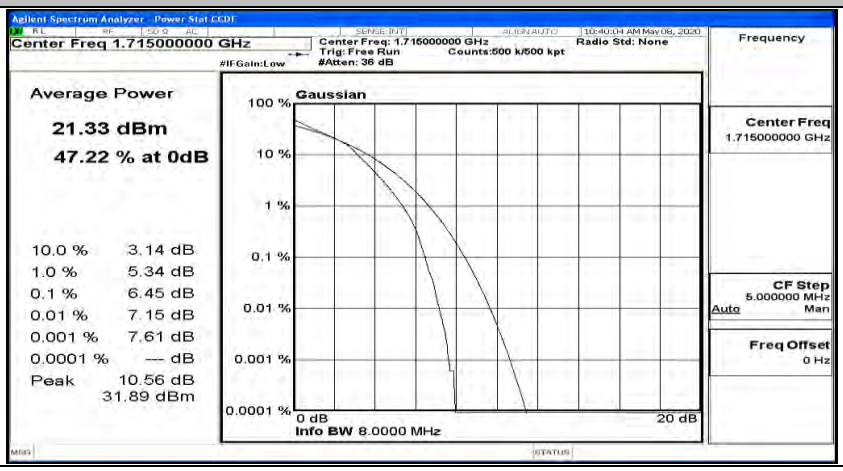
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



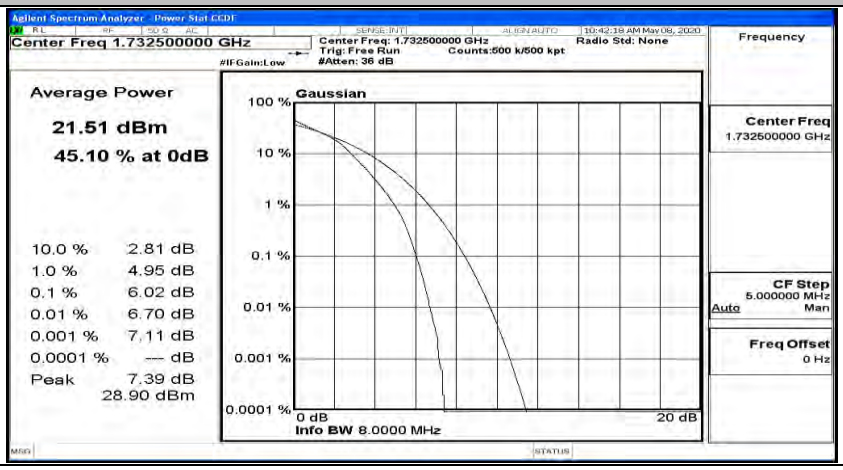
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



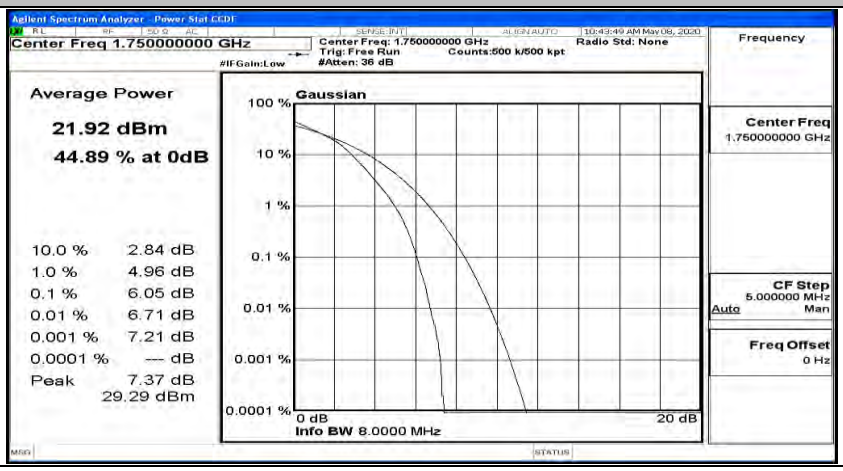
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



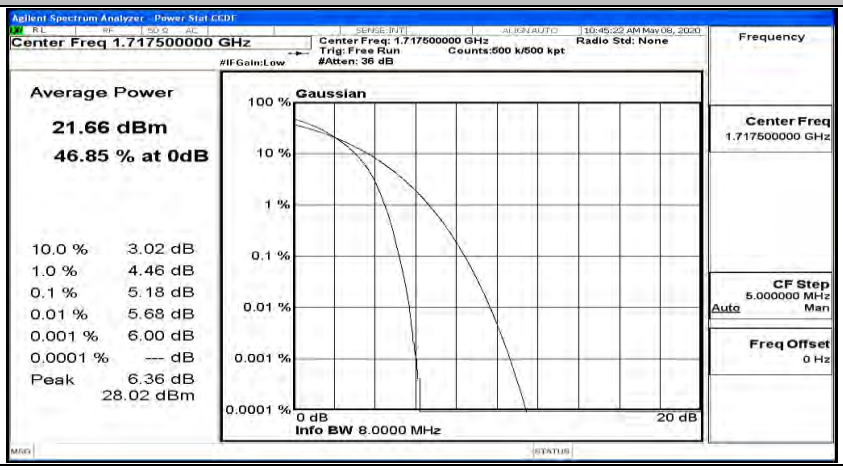
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



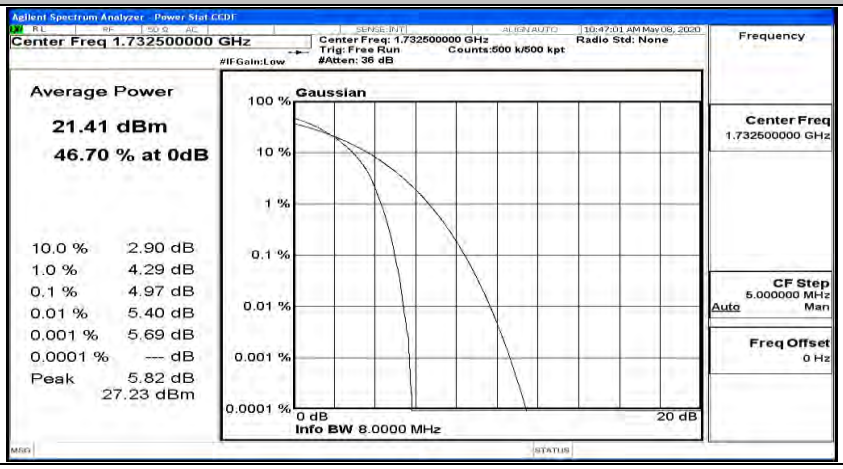
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



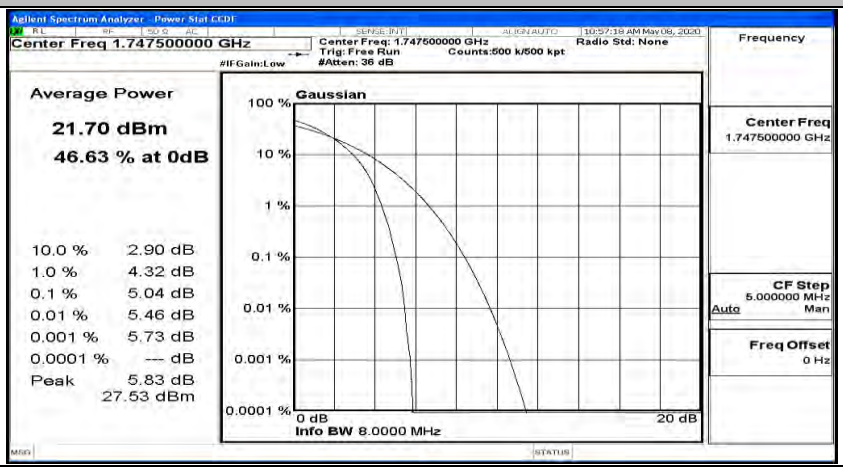
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



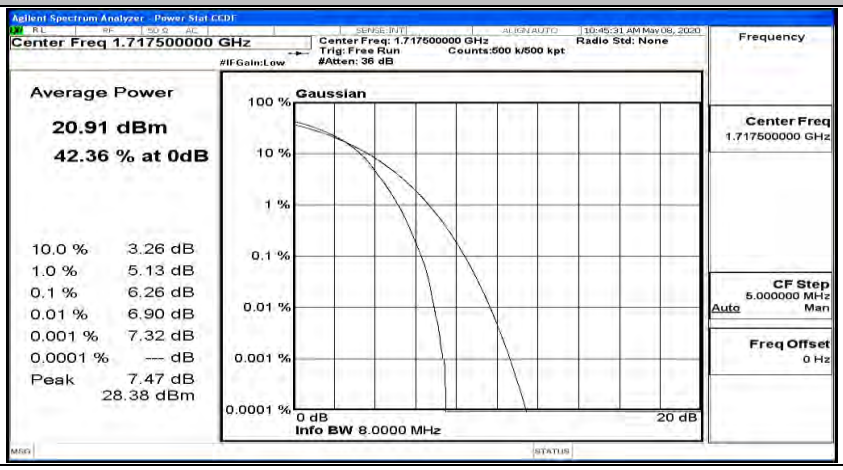
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK



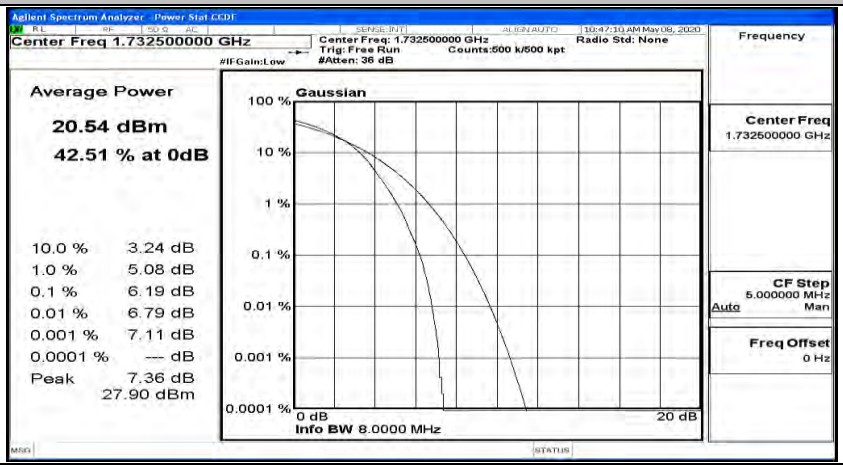
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



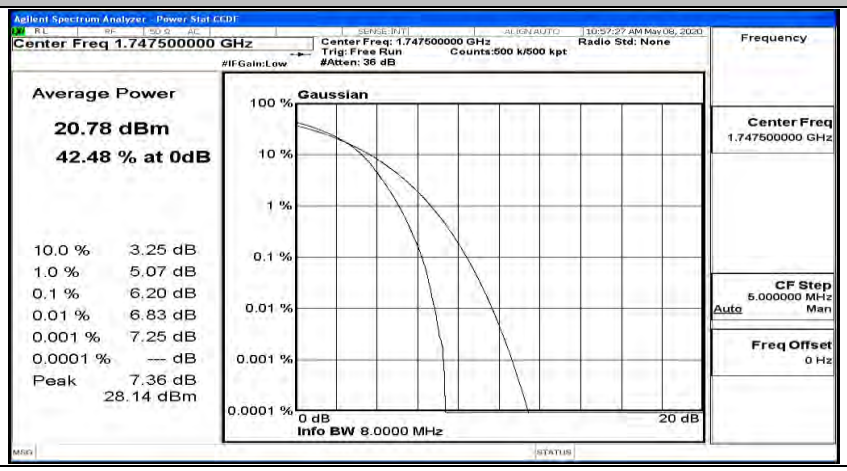
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



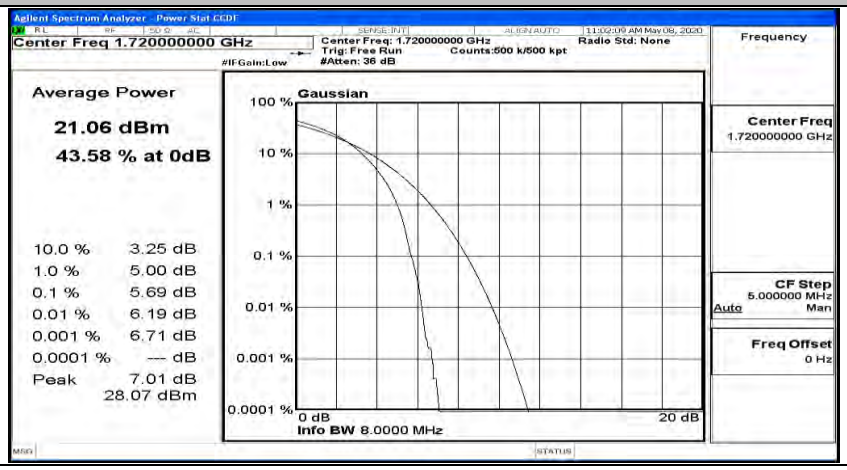
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM



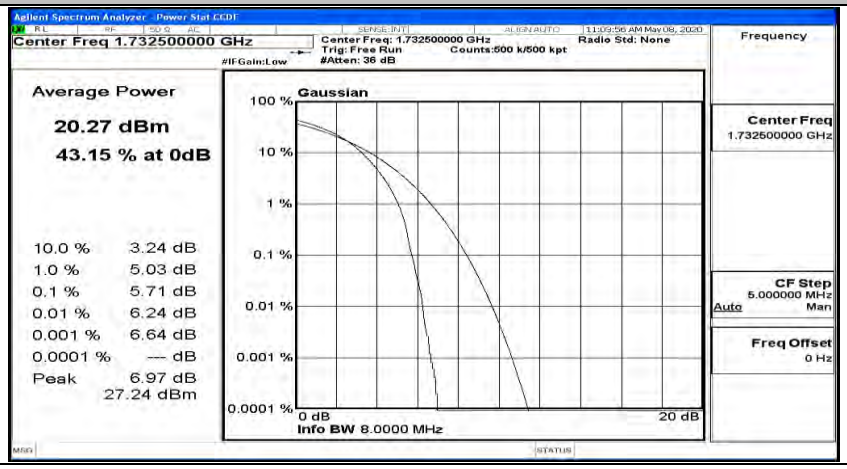
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



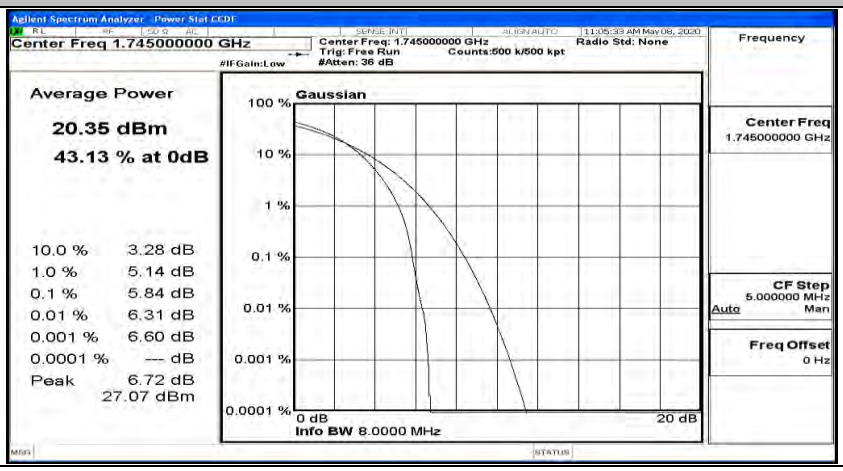
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



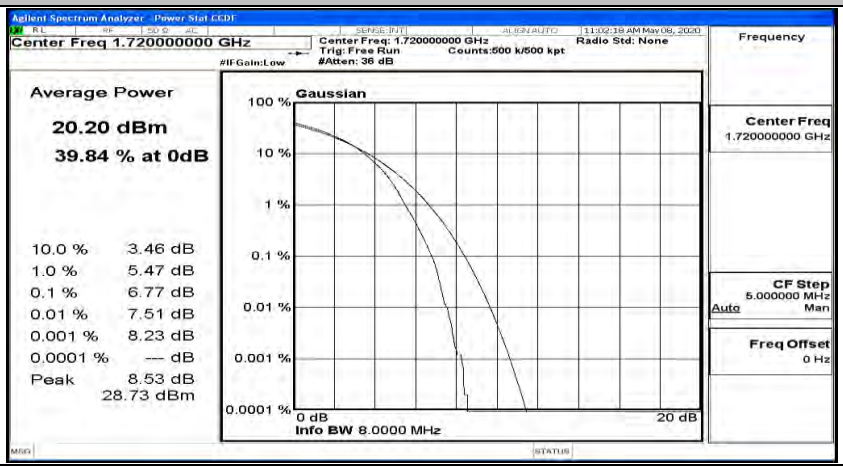
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK



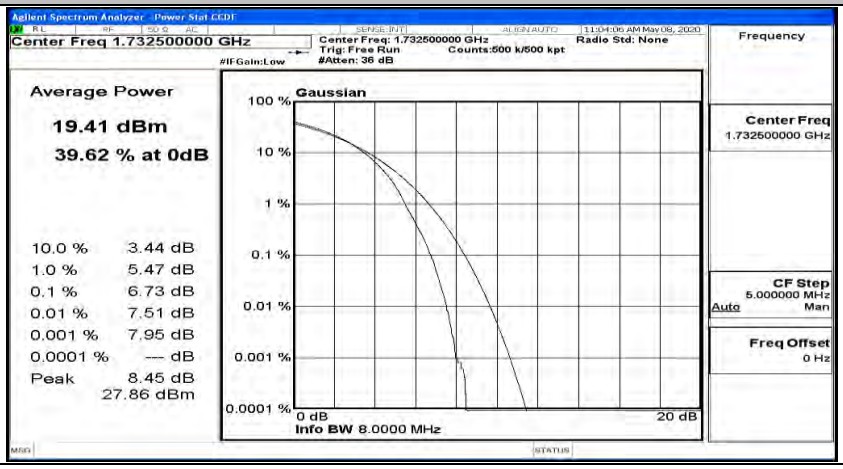
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



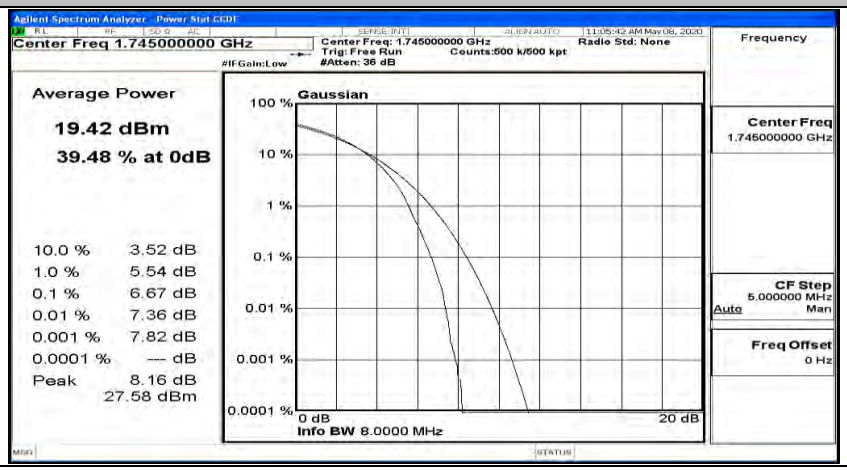
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM



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



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



F.3 26dB Bandwidth and Occupied Bandwidth

EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	1.0738	1.234	PASS
	MCH	1.0752	1.240	PASS
	HCH	1.0778	1.228	PASS
16QAM	LCH	1.0796	1.232	PASS
	MCH	1.0817	1.229	PASS
	HCH	1.0785	1.223	PASS

EBW & OBW Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	2.6805	2.885	PASS
	MCH	2.6877	2.885	PASS
	HCH	2.6753	2.880	PASS
16QAM	LCH	2.6884	2.896	PASS
	MCH	2.6864	2.901	PASS
	HCH	2.6845	2.863	PASS

EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4743	4.773	PASS
	MCH	4.4769	4.790	PASS
	HCH	4.4717	4.805	PASS
16QAM	LCH	4.4687	4.832	PASS
	MCH	4.4779	4.821	PASS
	HCH	4.4750	4.839	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9390	9.503	PASS
	MCH	8.9400	9.532	PASS
	HCH	8.9282	9.467	PASS
16QAM	LCH	8.9288	9.521	PASS
	MCH	8.9309	9.427	PASS
	HCH	8.9437	9.425	PASS

EBW & OBW Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	13.405	14.02	PASS
	MCH	13.412	14.04	PASS
	HCH	13.395	14.05	PASS
16QAM	LCH	13.400	14.01	PASS
	MCH	13.393	14.05	PASS
	HCH	13.405	14.05	PASS

EBW & OBW Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	17.826	18.55	PASS
	MCH	17.819	18.66	PASS
	HCH	17.832	18.59	PASS
16QAM	LCH	17.813	18.55	PASS
	MCH	17.830	18.56	PASS
	HCH	17.825	18.60	PASS

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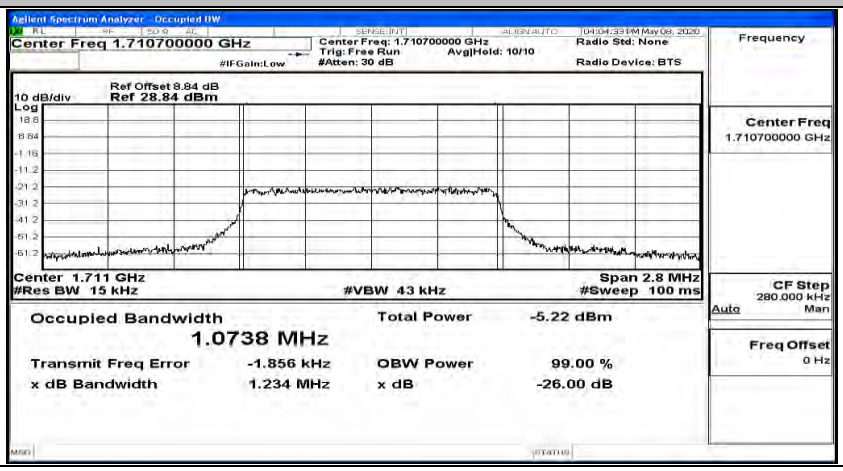
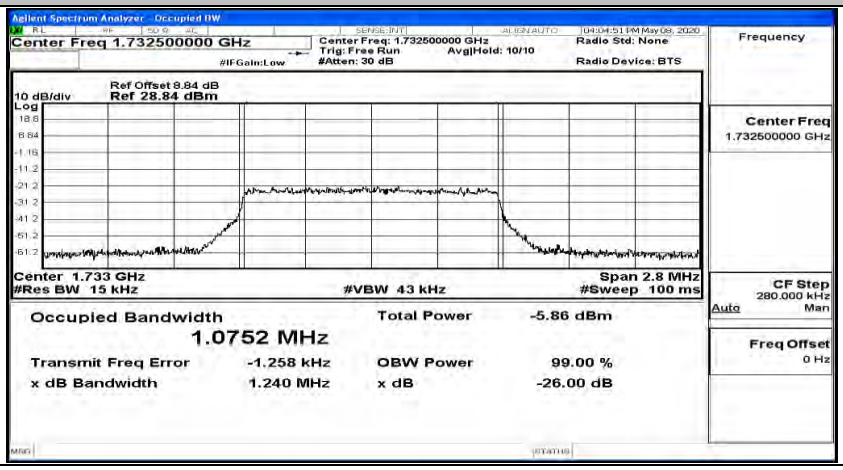
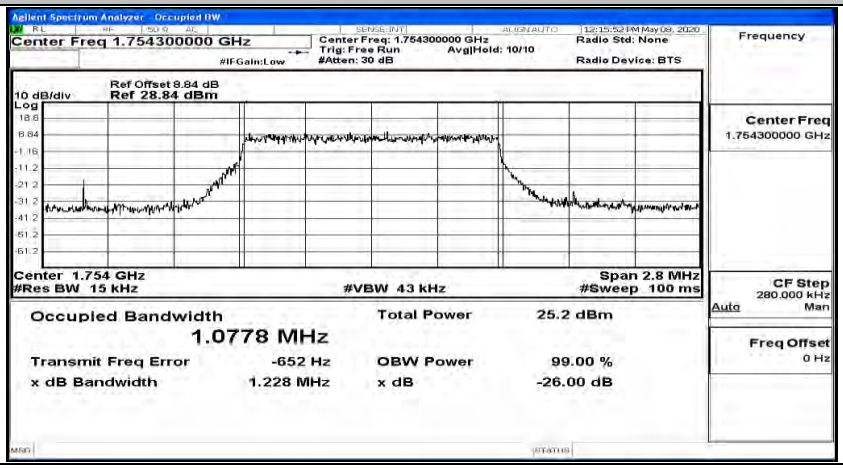
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



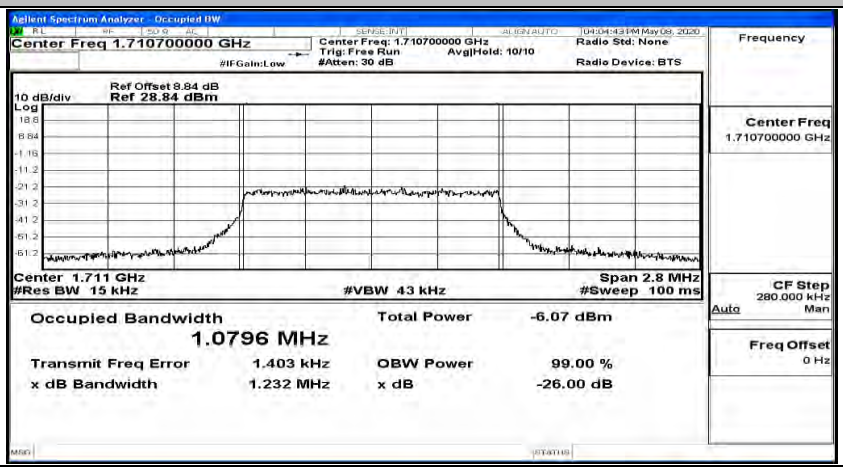
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



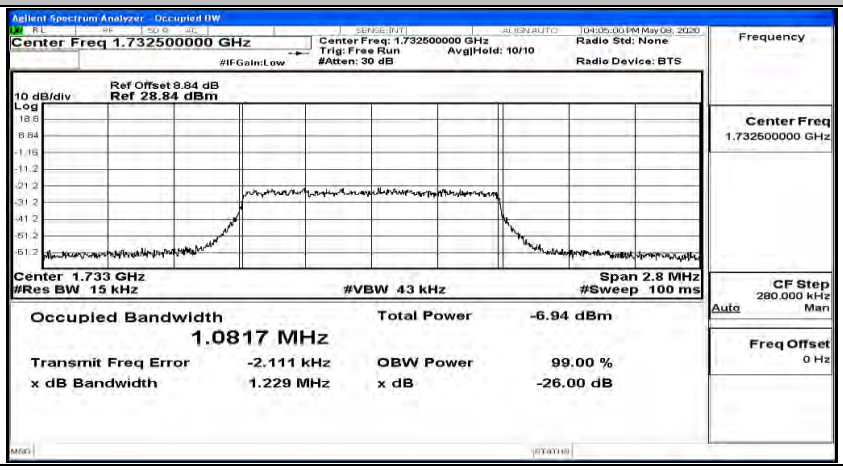
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



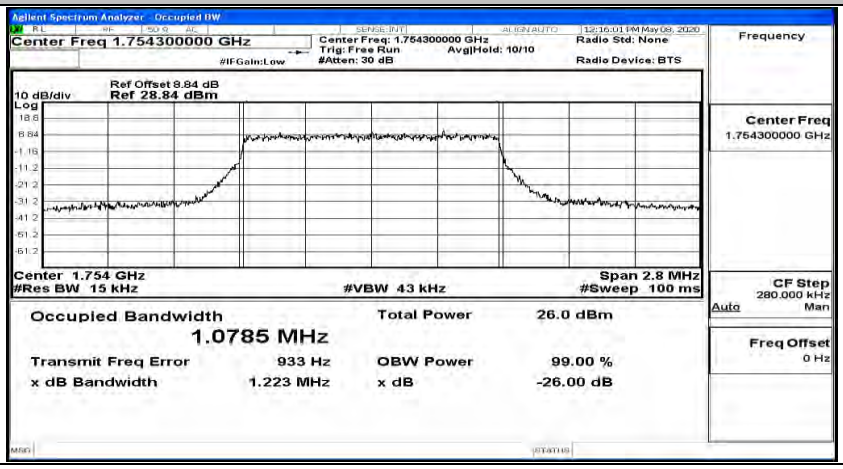
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



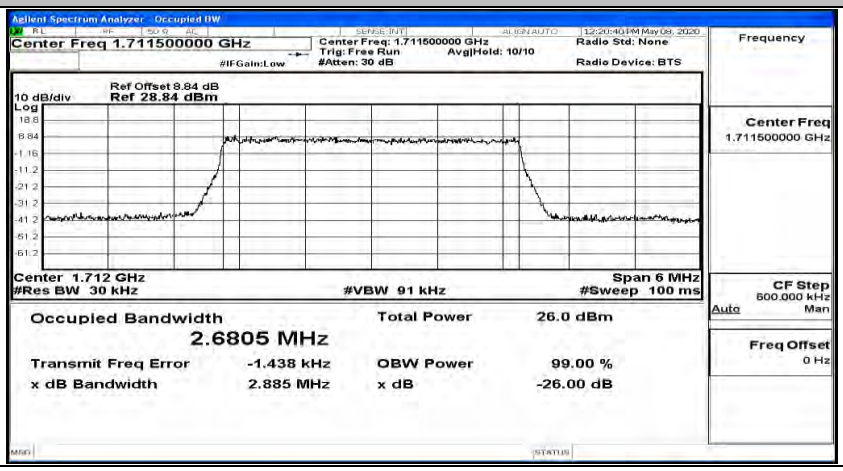
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



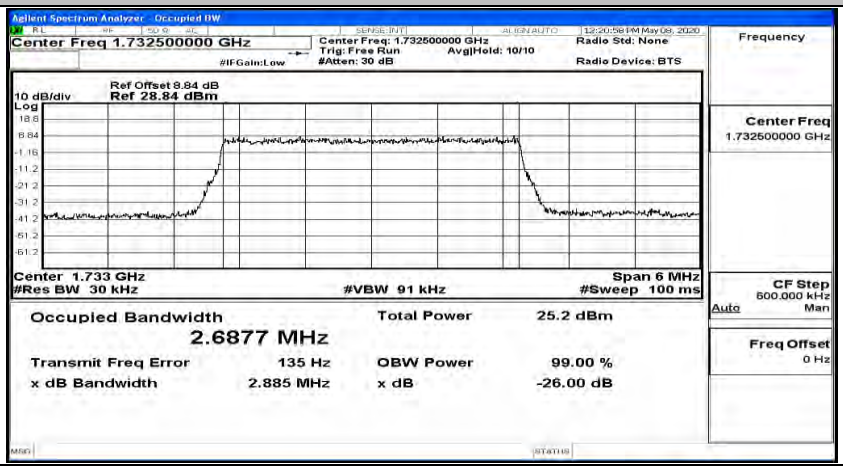
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



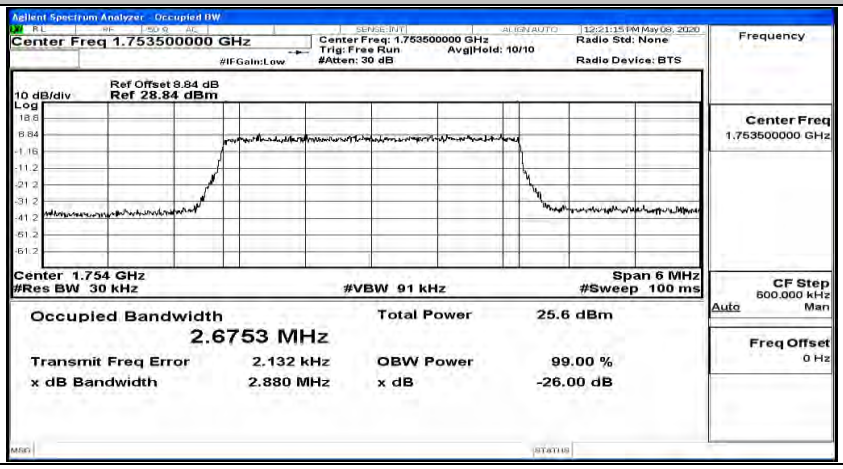
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



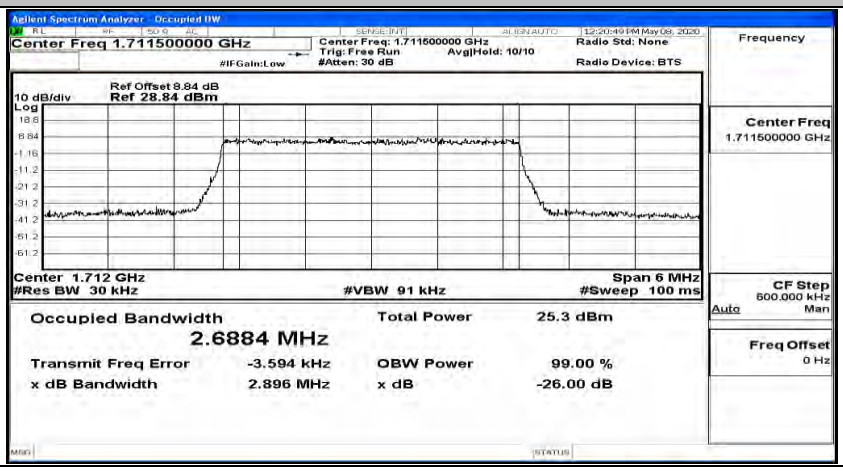
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



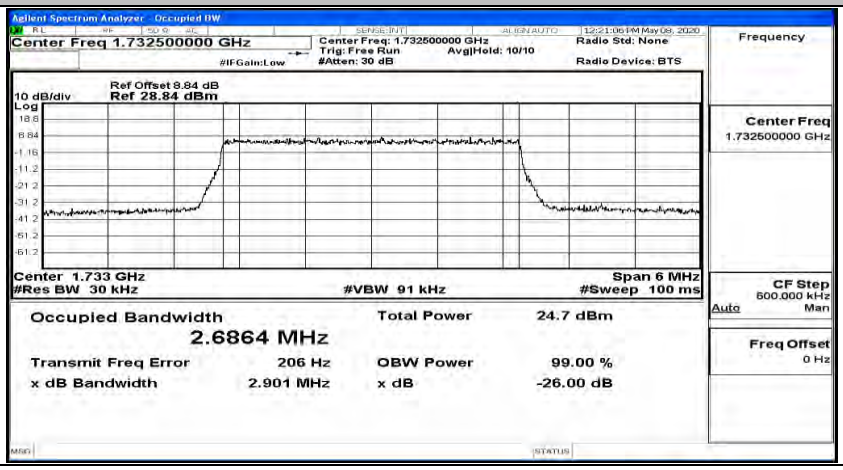
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



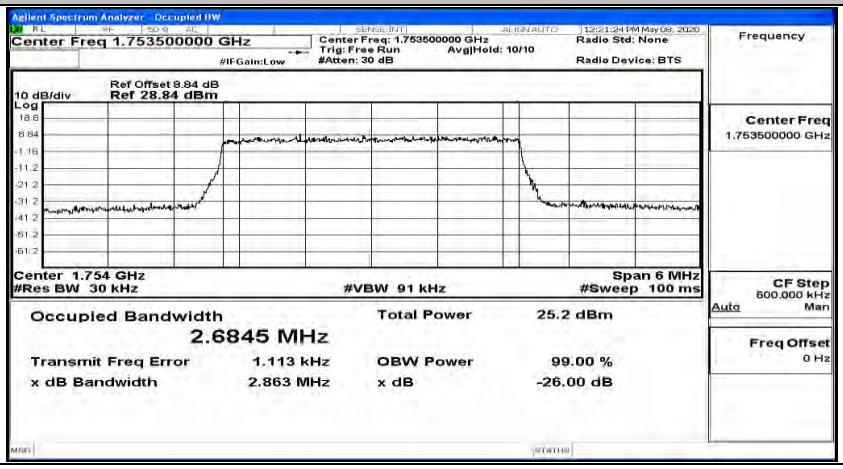
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



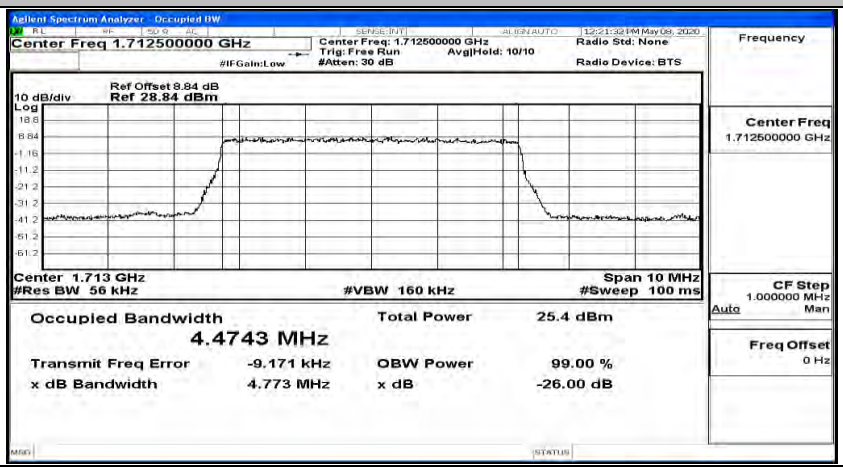
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



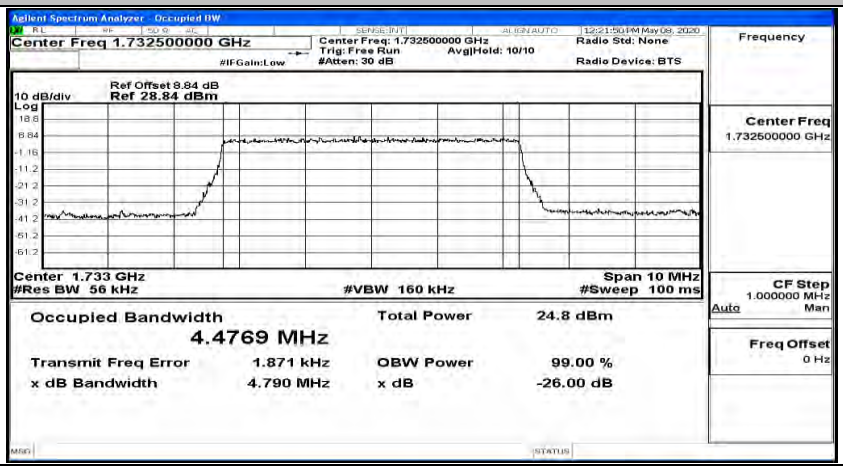
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



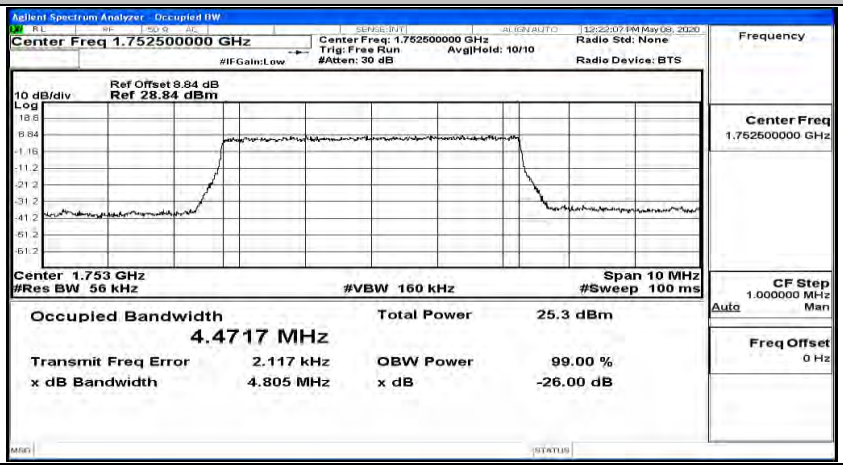
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



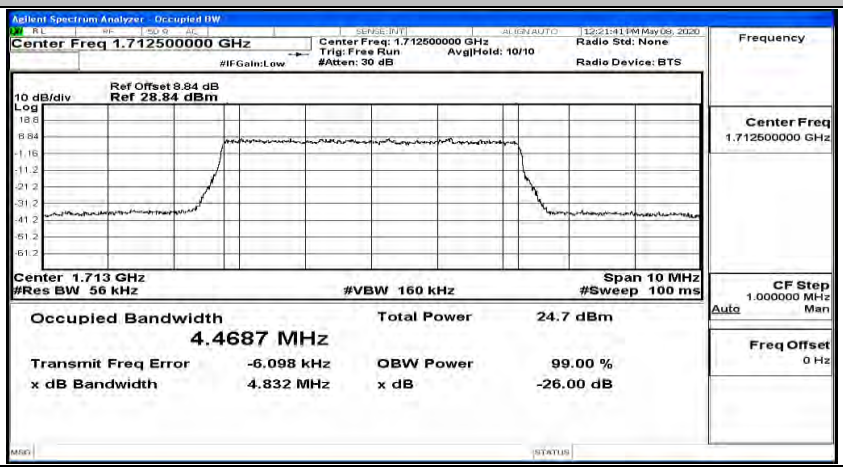
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



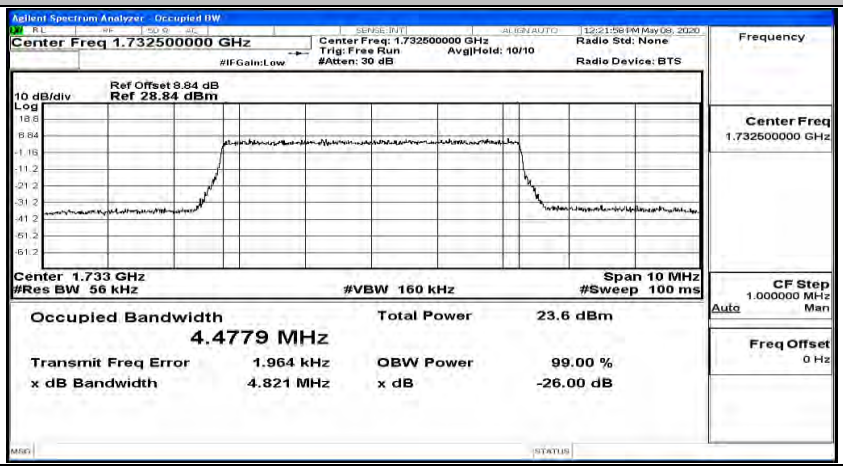
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



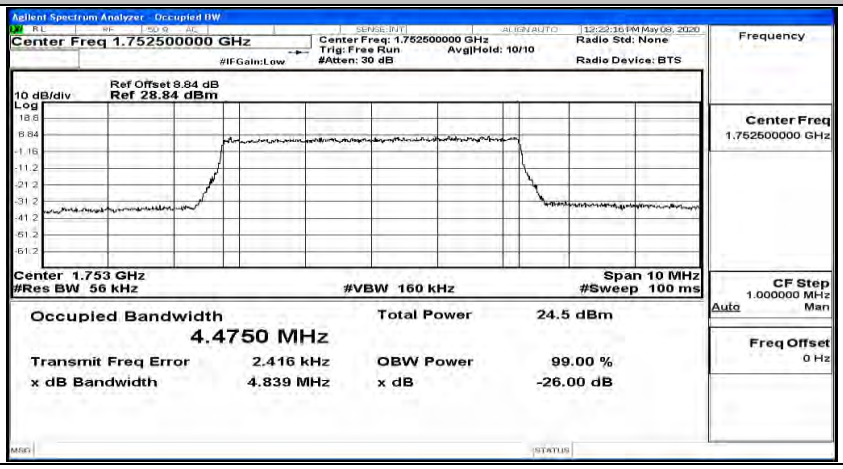
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



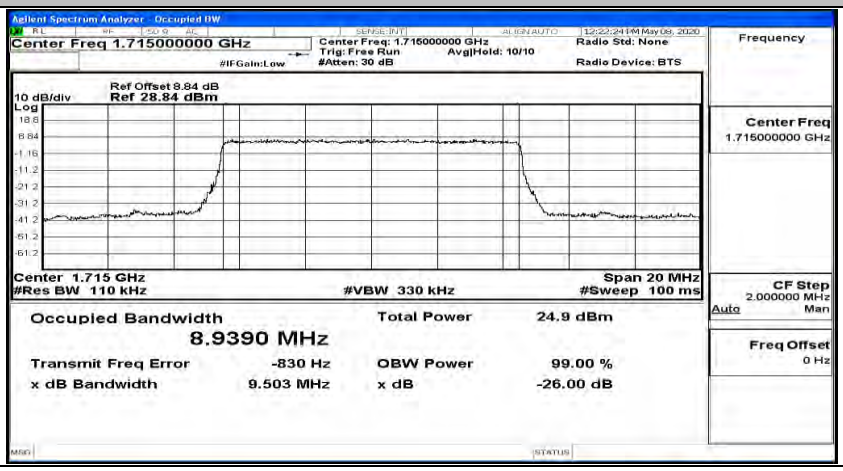
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



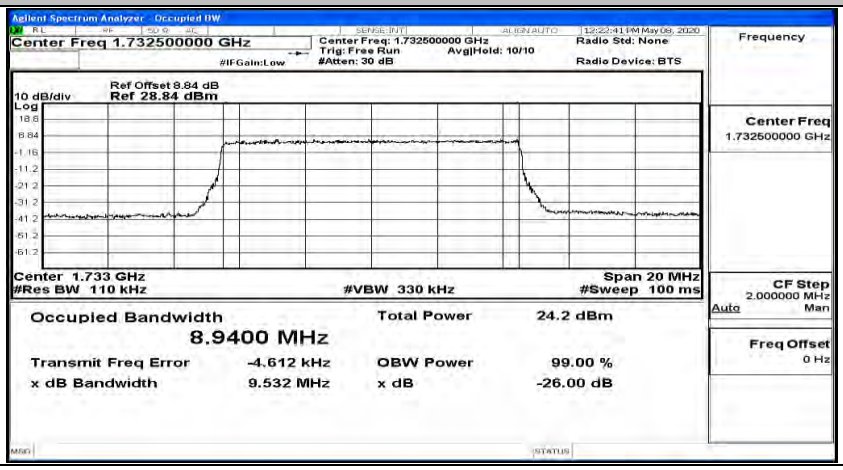
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



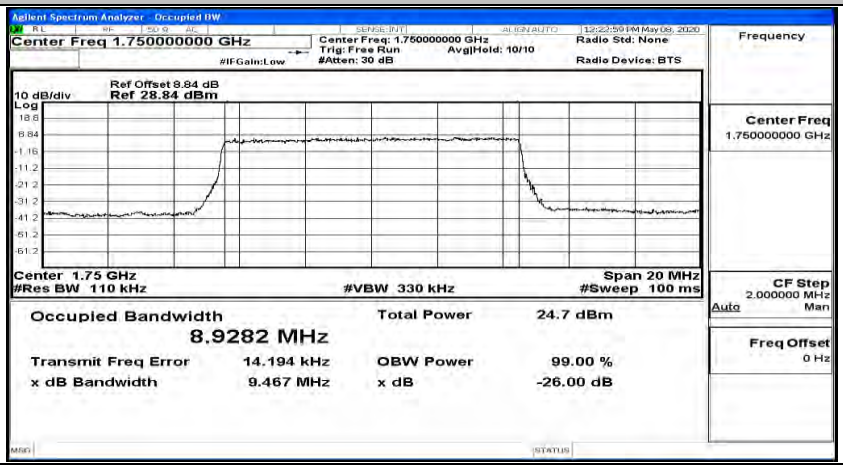
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



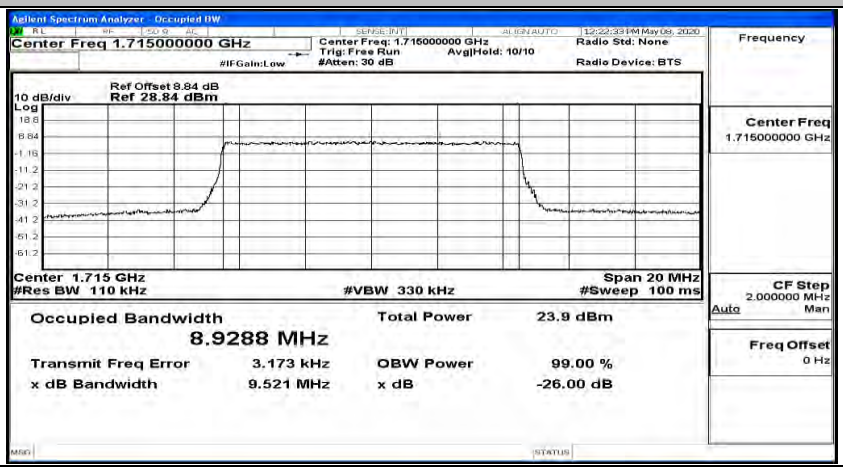
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



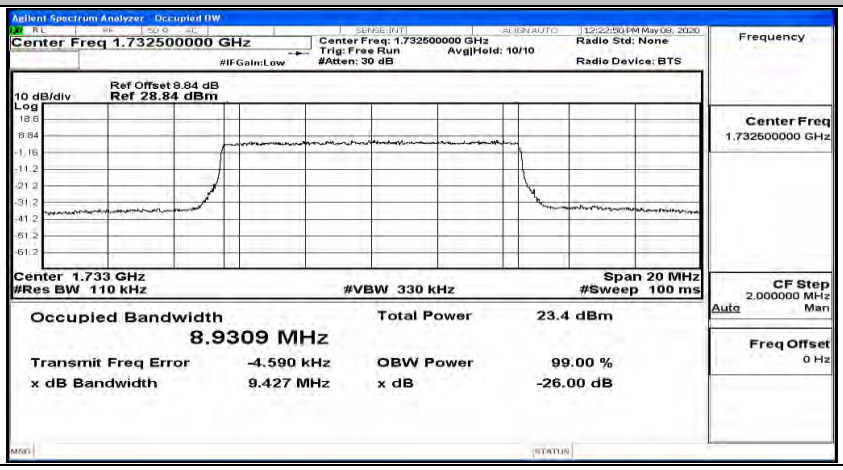
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



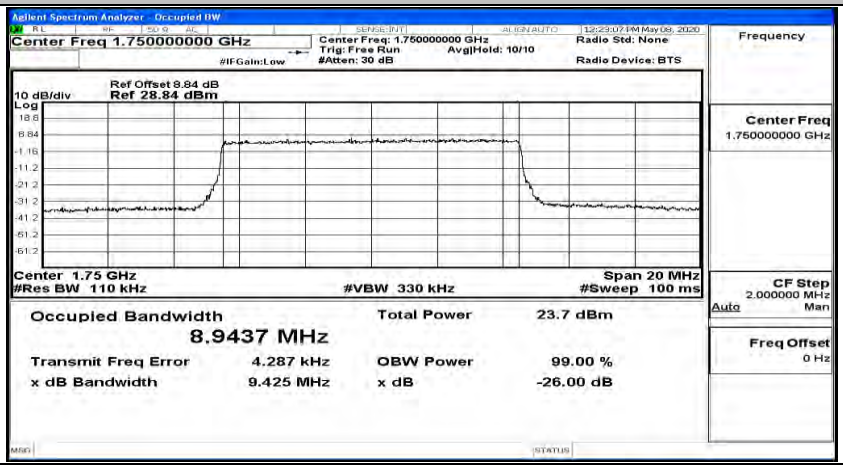
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



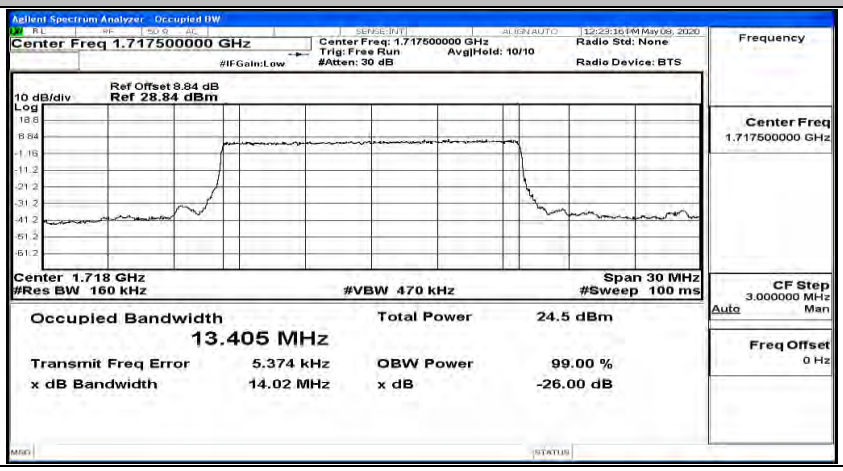
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



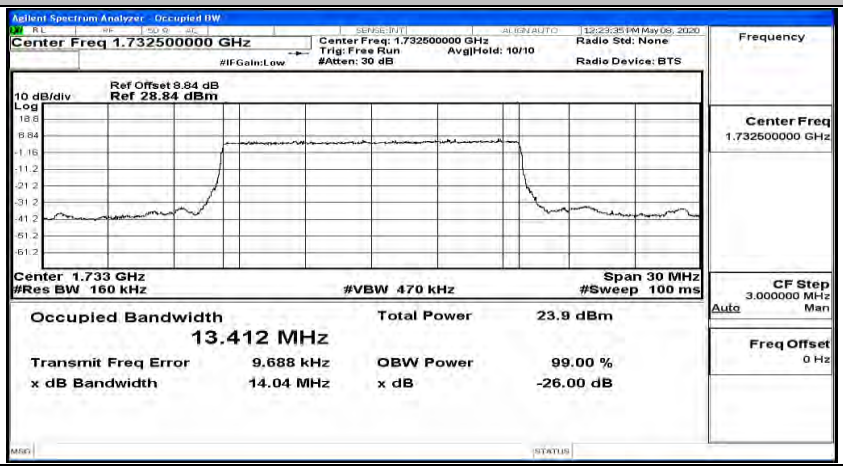
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



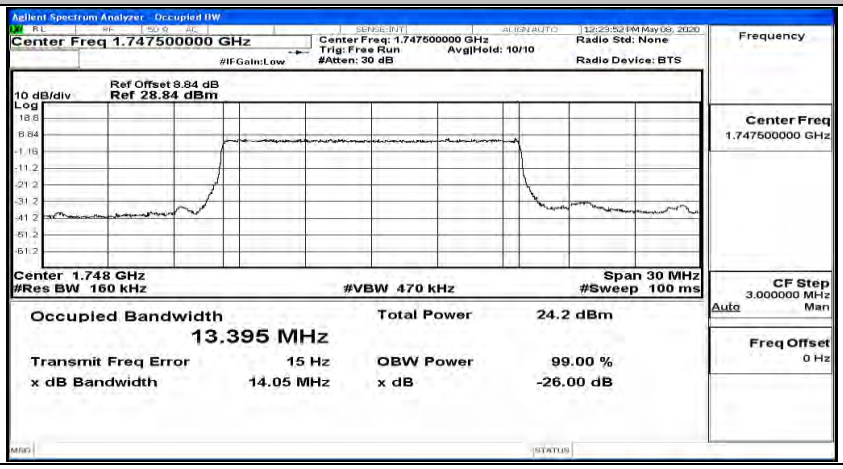
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



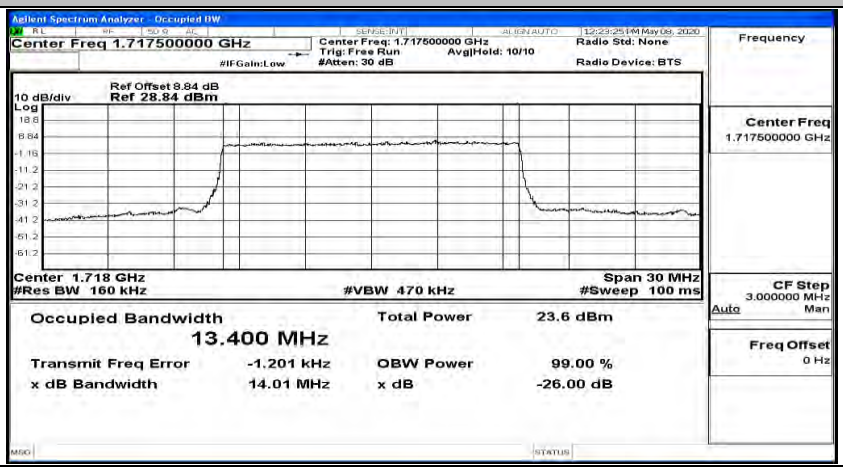
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK



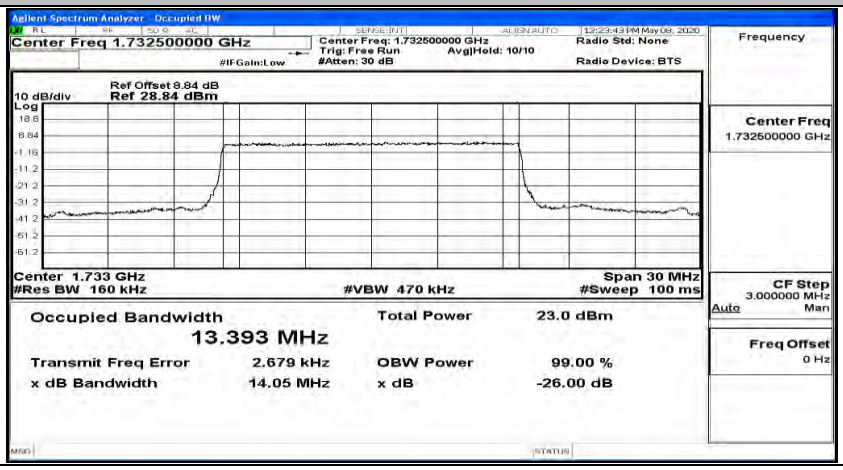
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



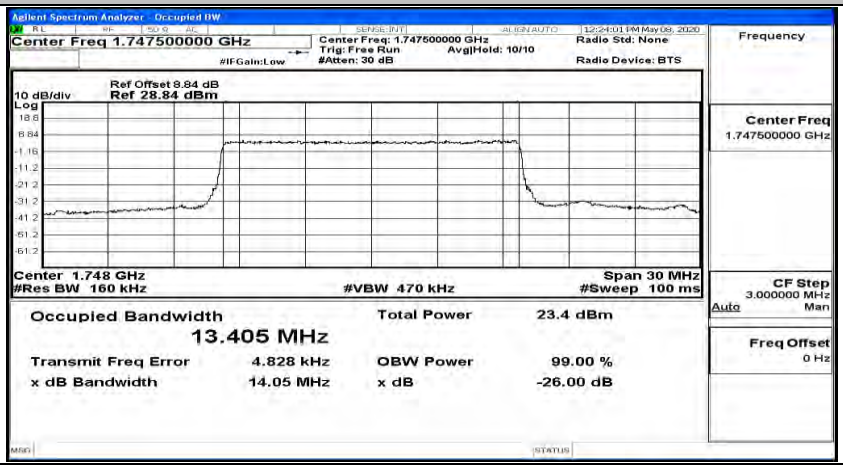
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



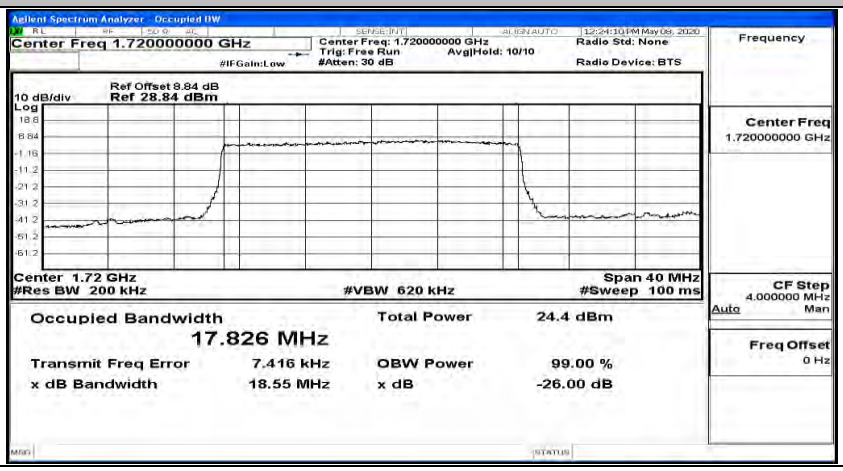
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM



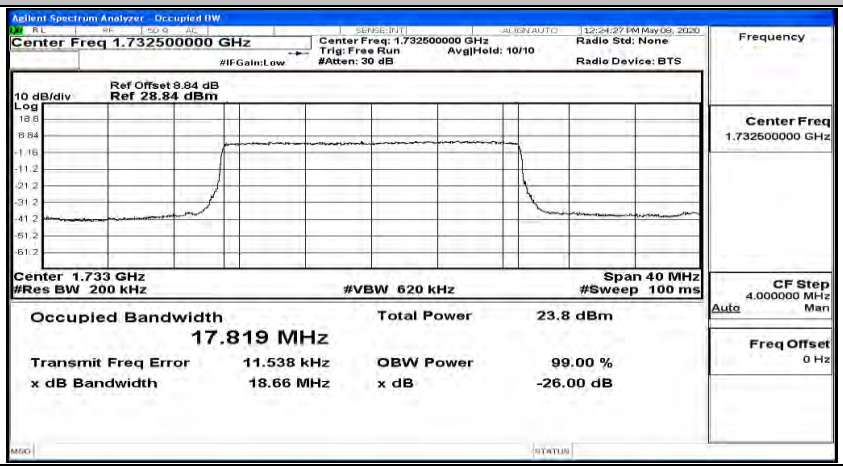
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



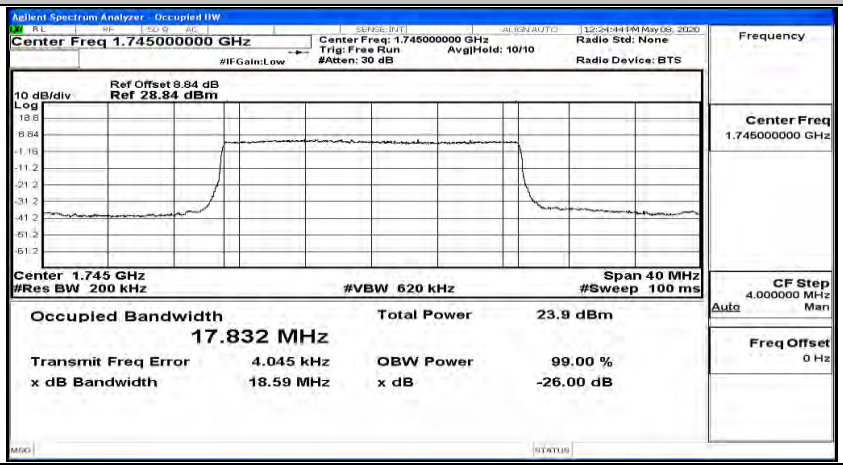
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



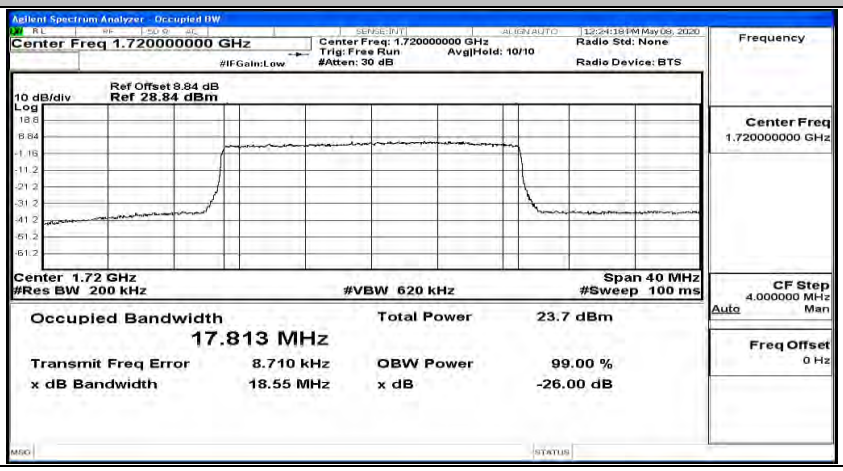
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK



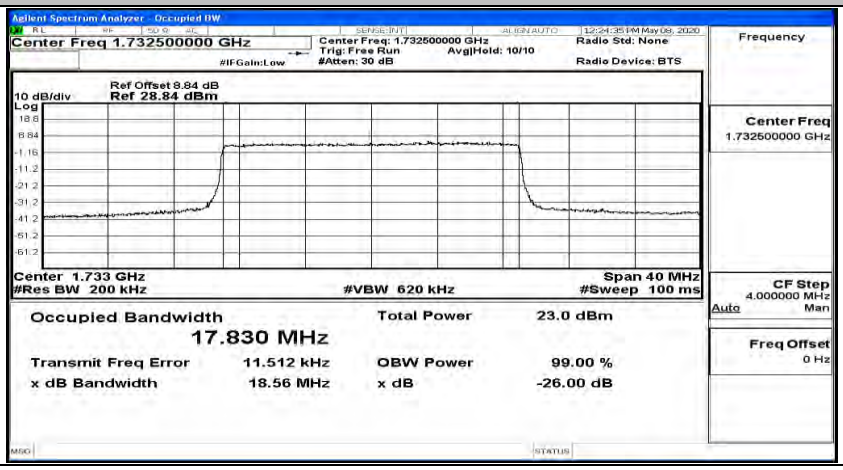
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



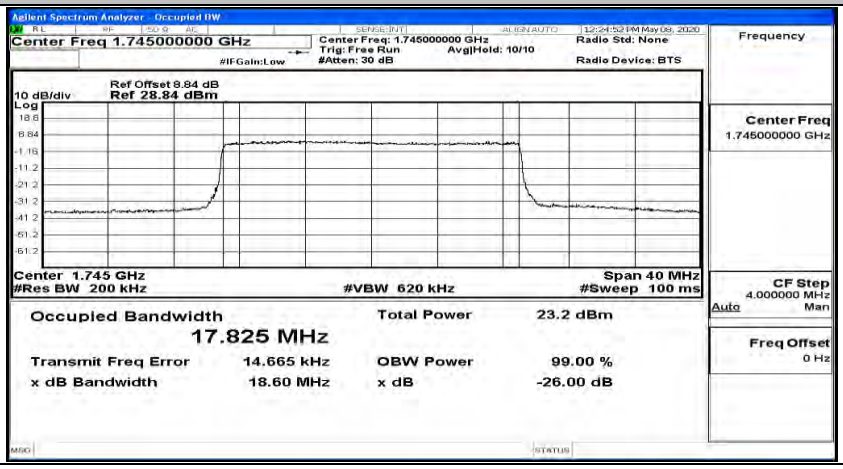
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM



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

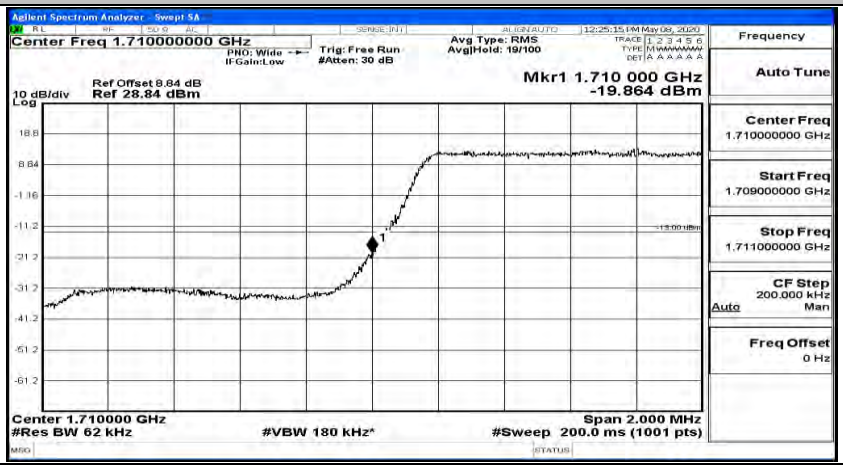


EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM

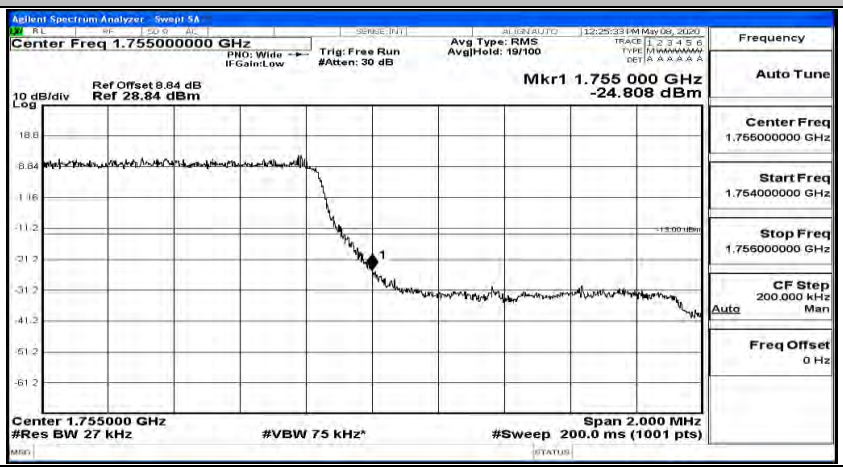


F.4 Band Edge

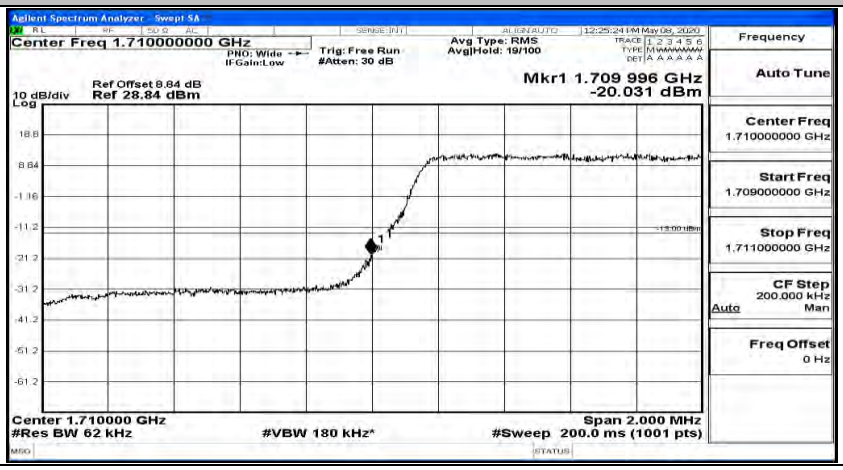
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



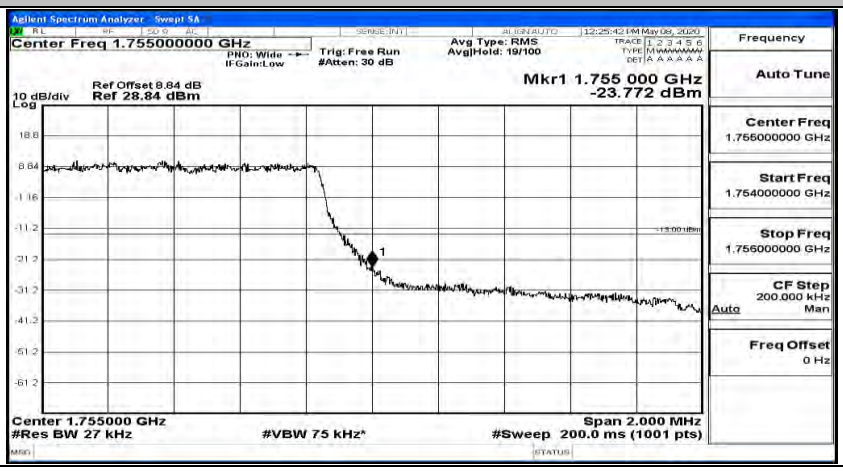
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



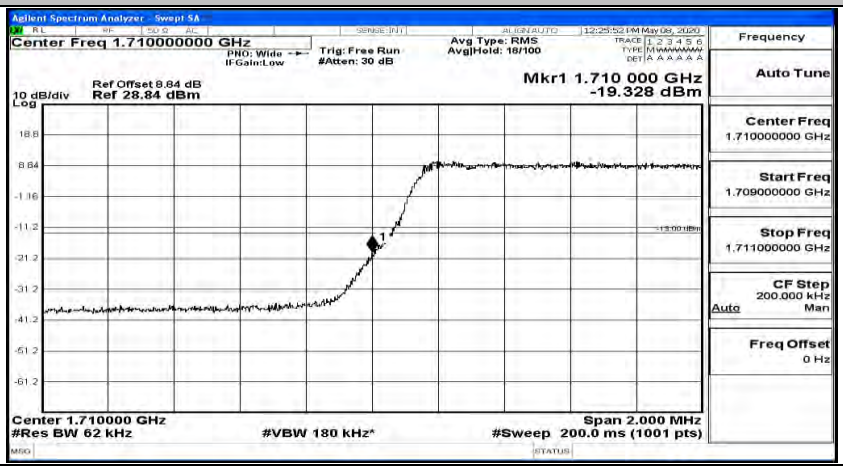
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



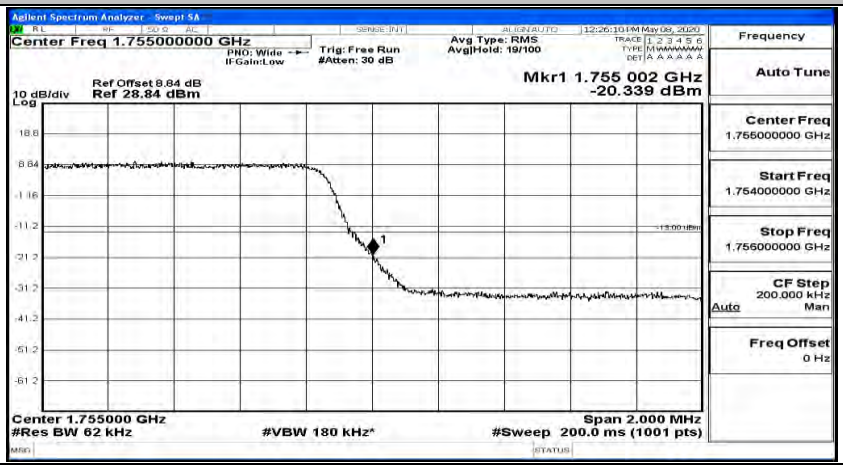
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



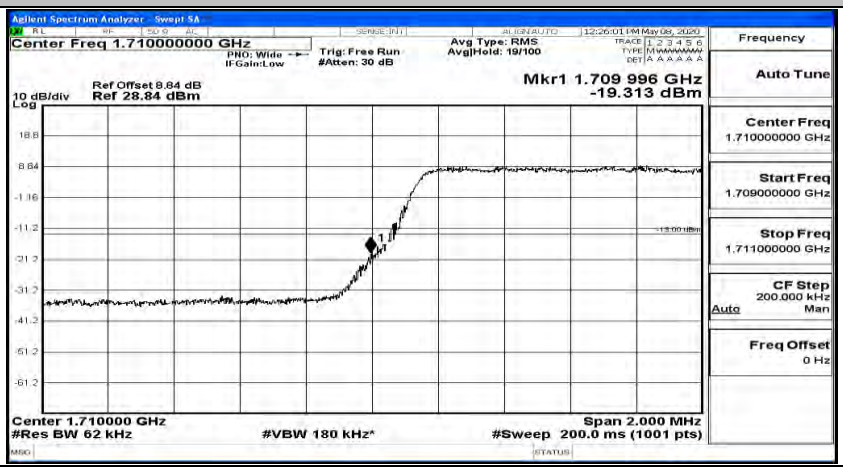
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



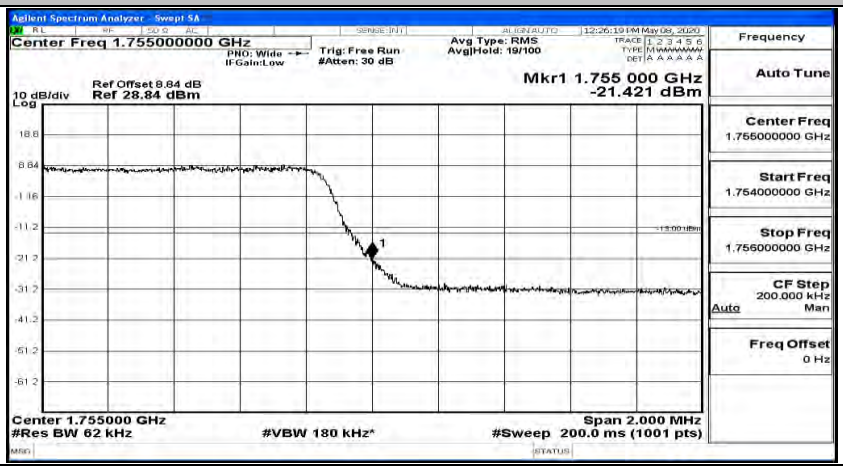
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



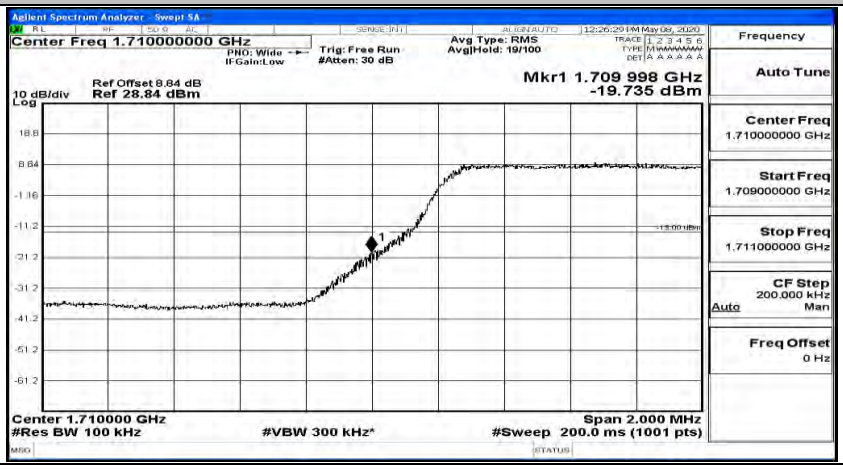
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



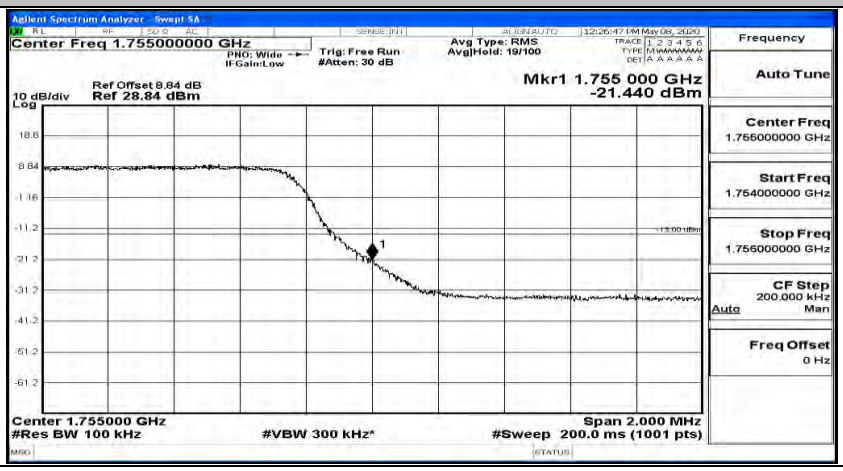
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



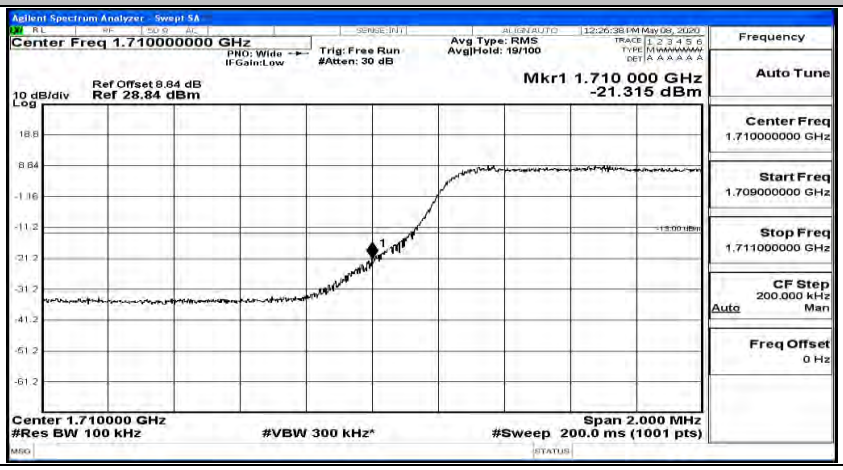
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



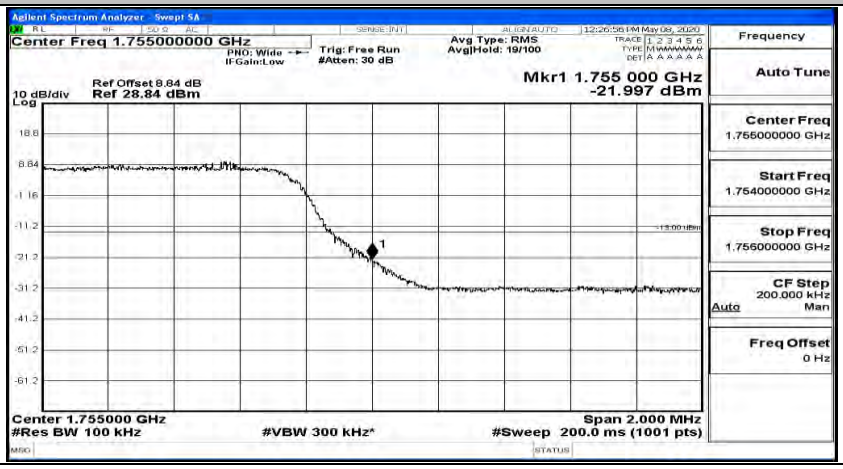
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



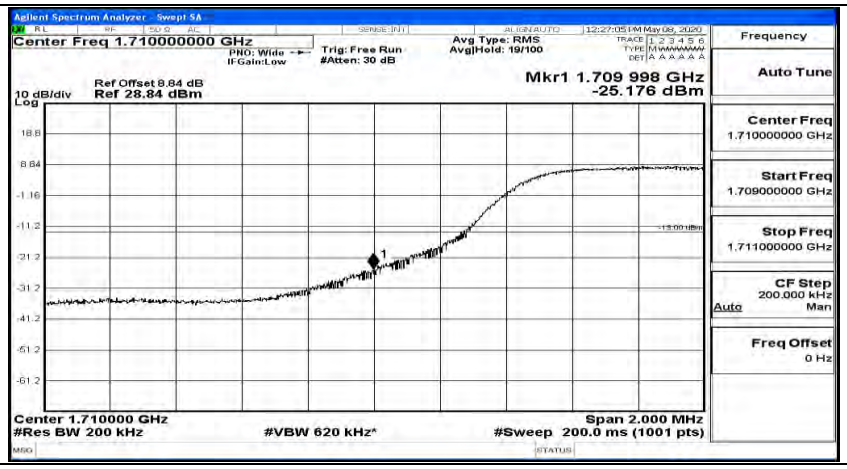
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



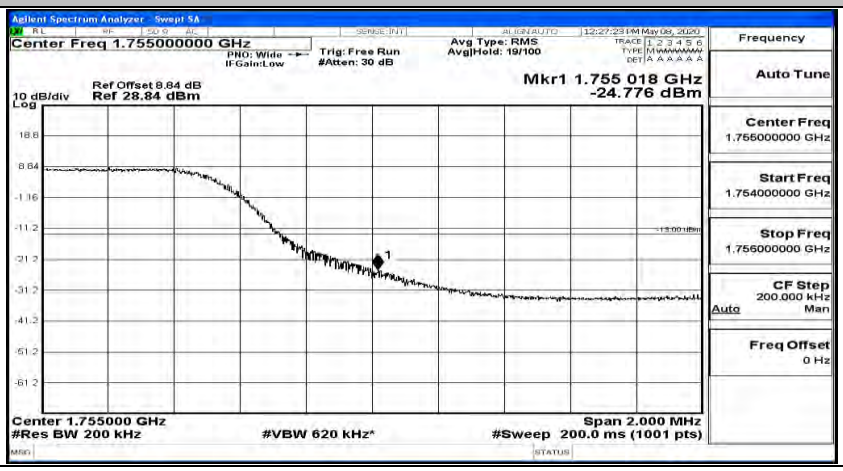
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



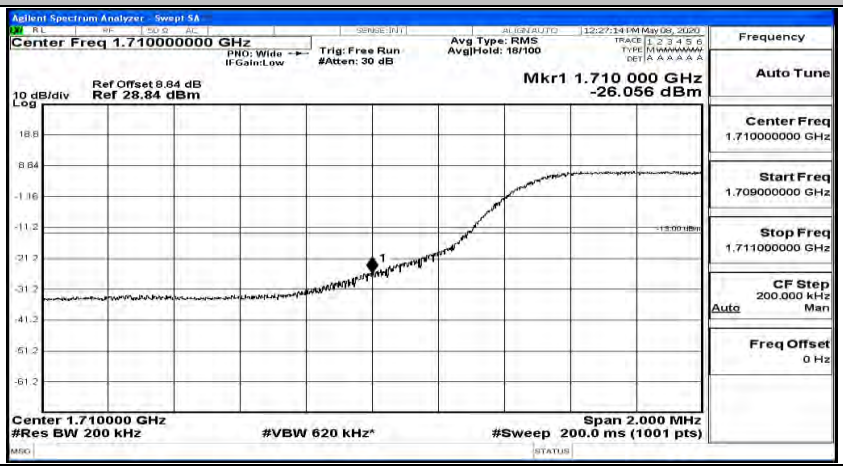
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK


Agilent Spectrum Analyzer - Swept SA
Center Freq 1.710000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold: 19/100
12:27:05 PM May 08, 2020
Mkr1 1.709 998 GHz
-25.176 dBm
Ref Offset 9.84 dB
10 dB/div
Log
Ref 28.84 dBm
18.8
8.84
-1.16
-11.2
-21.2
-31.2
-41.2
-51.2
-61.2
Center 1.710000 GHz
#Res BW 200 kHz
#VBW 620 kHz*
Span 2.000 MHz
#Sweep 200.0 ms (1001 pts)
Frequency
Auto Tune
Center Freq
1.710000000 GHz
Start Freq
1.709000000 GHz
Stop Freq
1.711000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

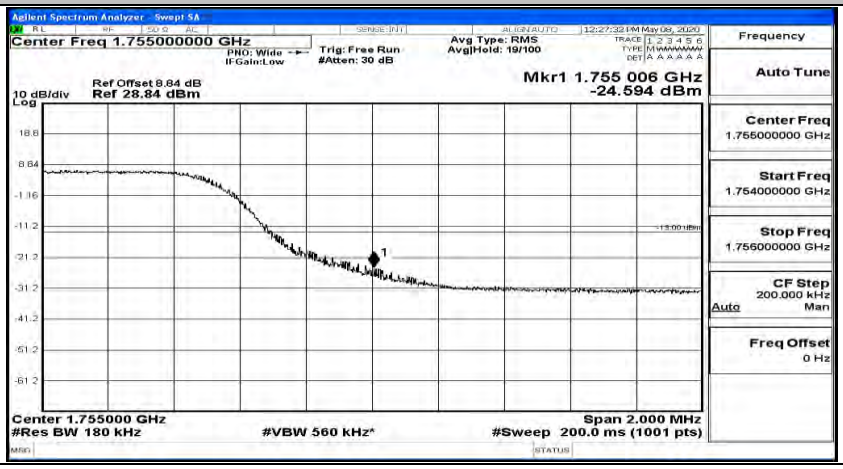
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



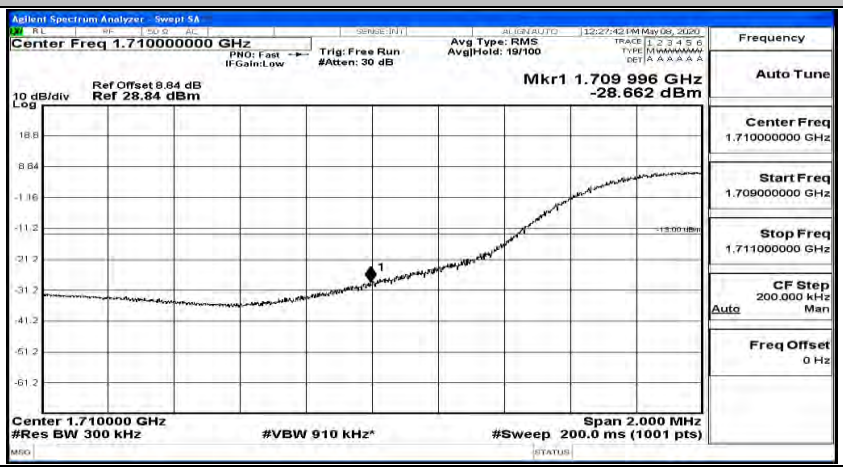
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



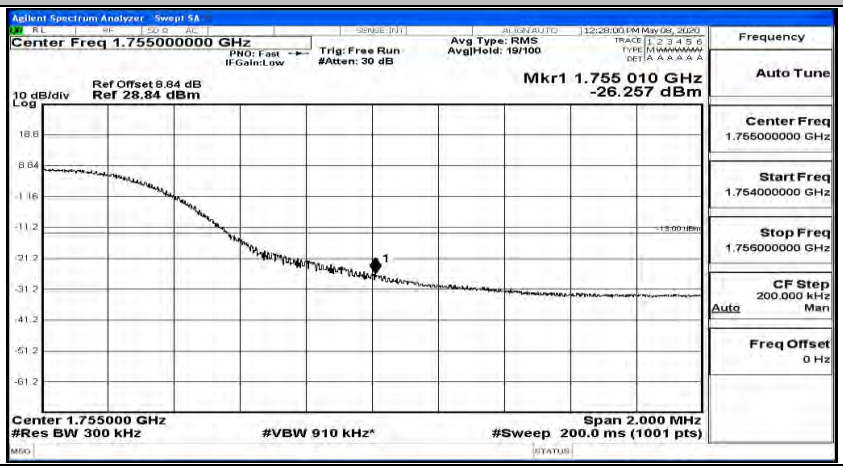
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



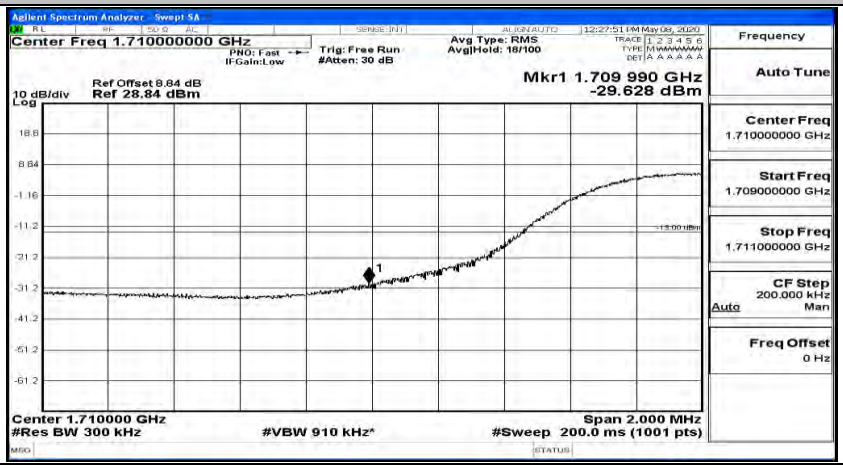
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



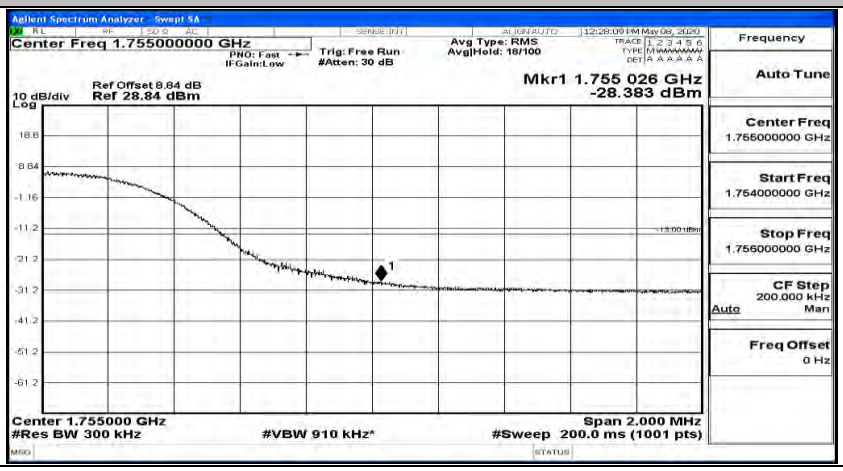
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



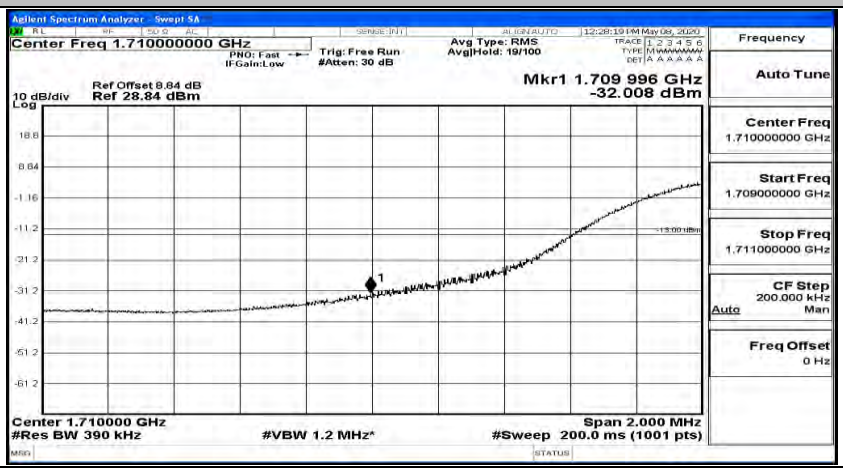
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



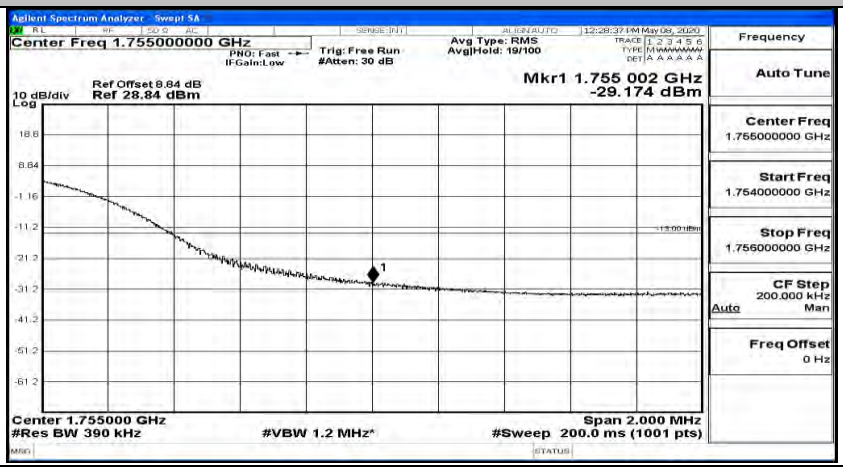
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



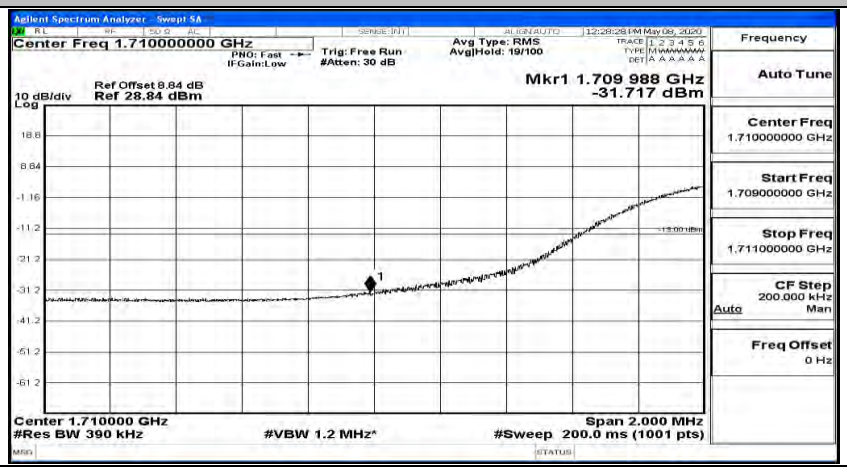
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



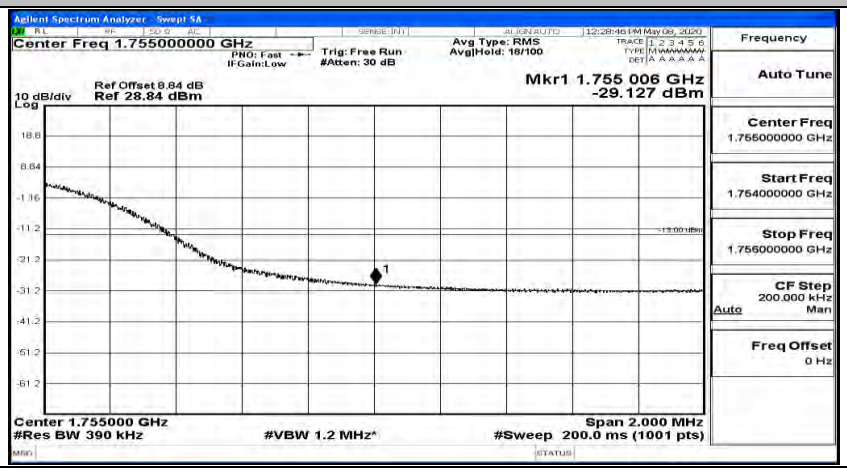
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



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

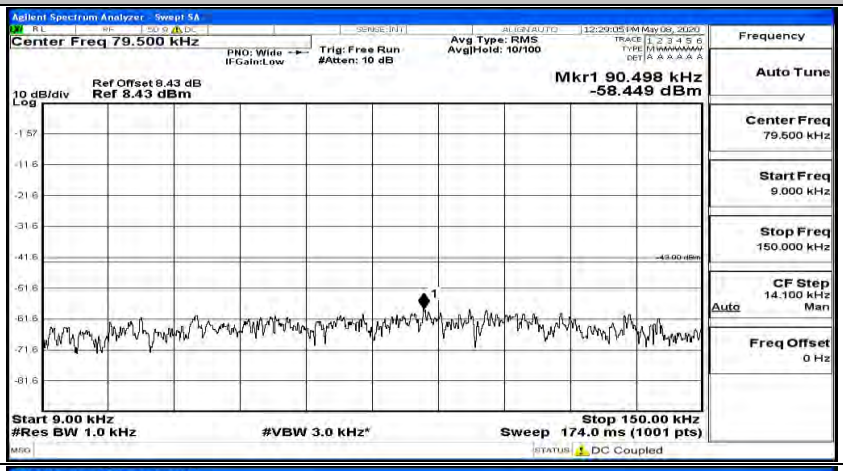


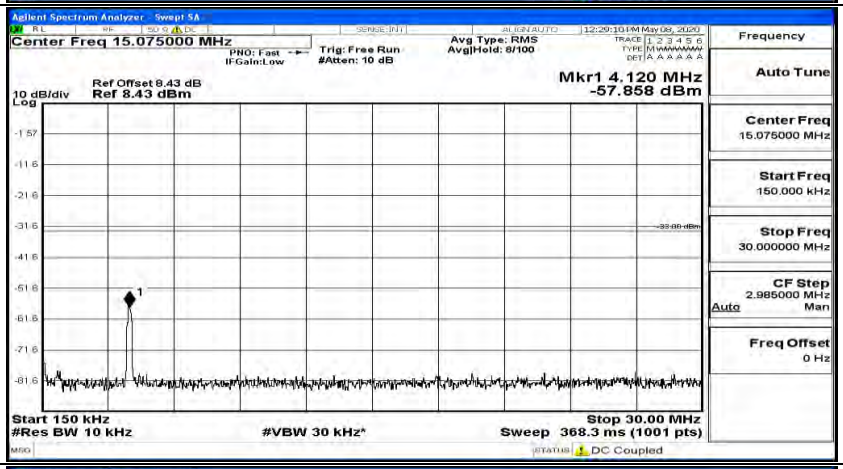
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM

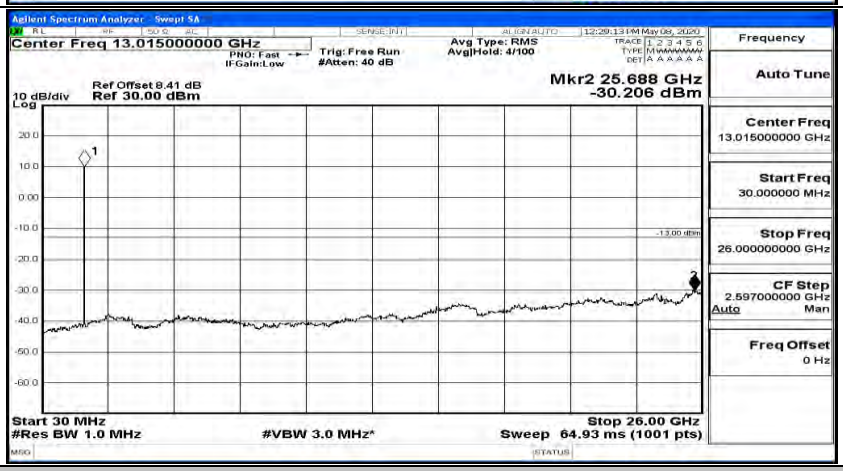


F.5 Conducted Spurious Emission

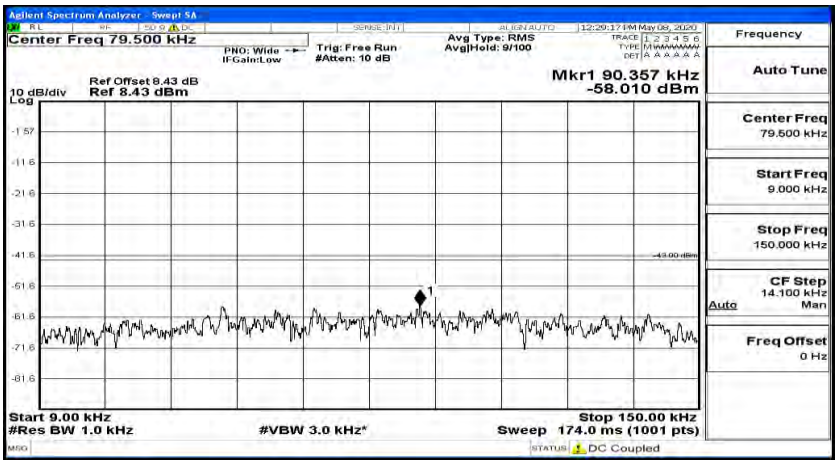
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0

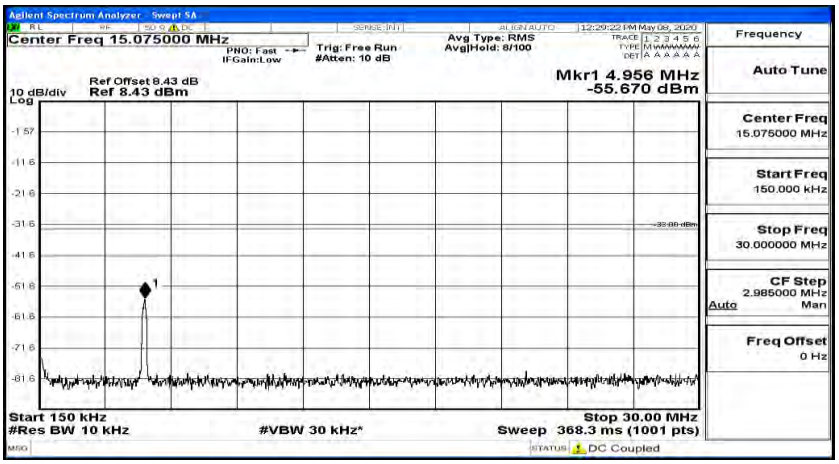




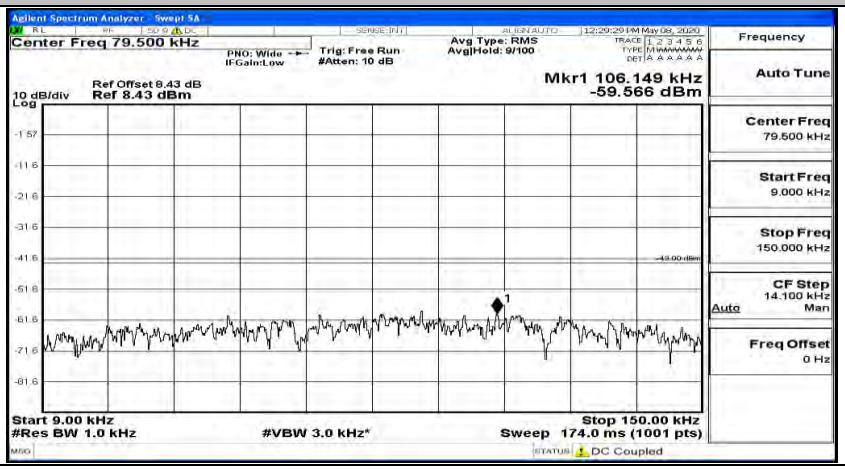


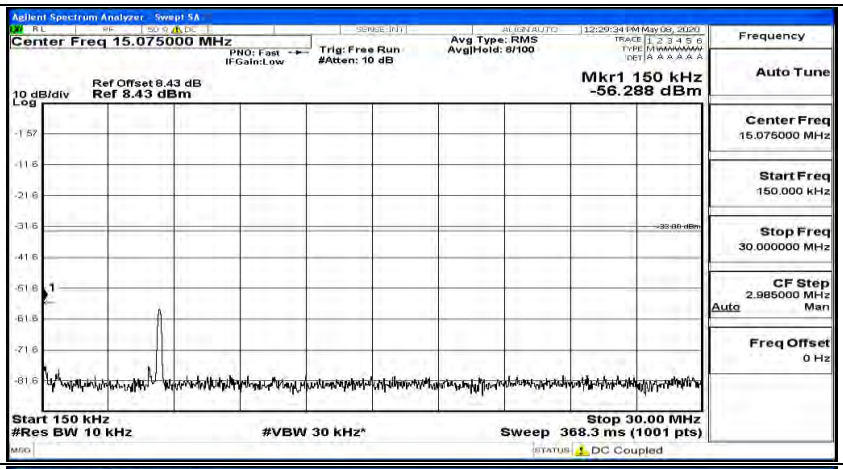
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3



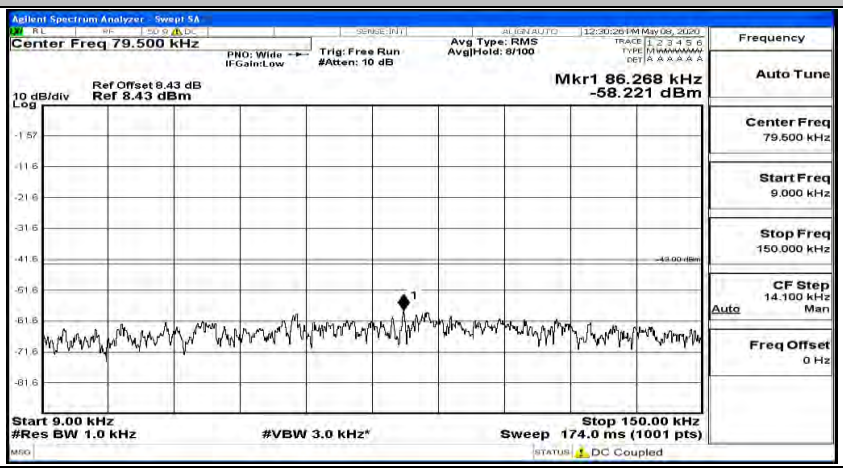


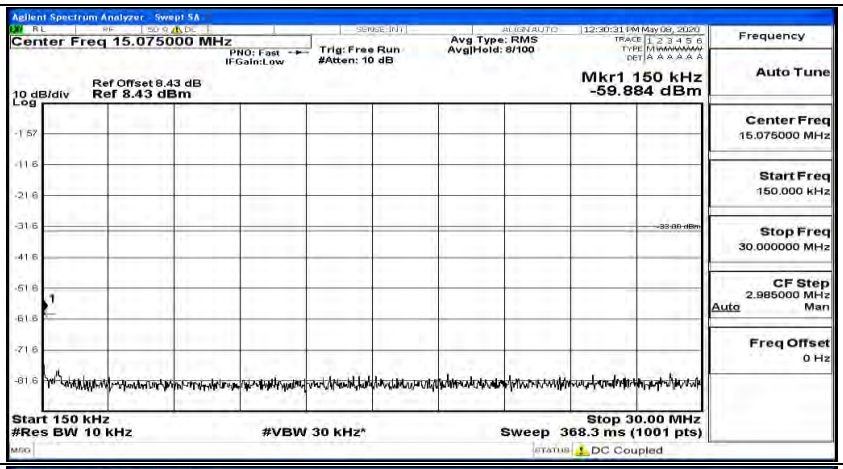
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5

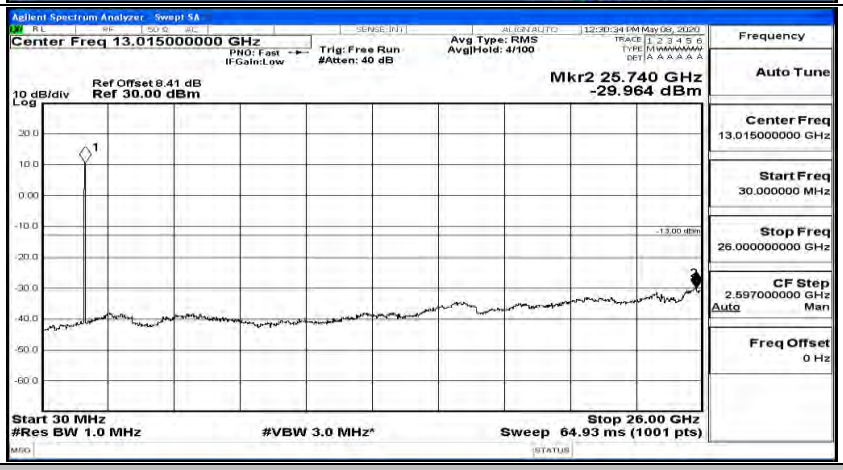




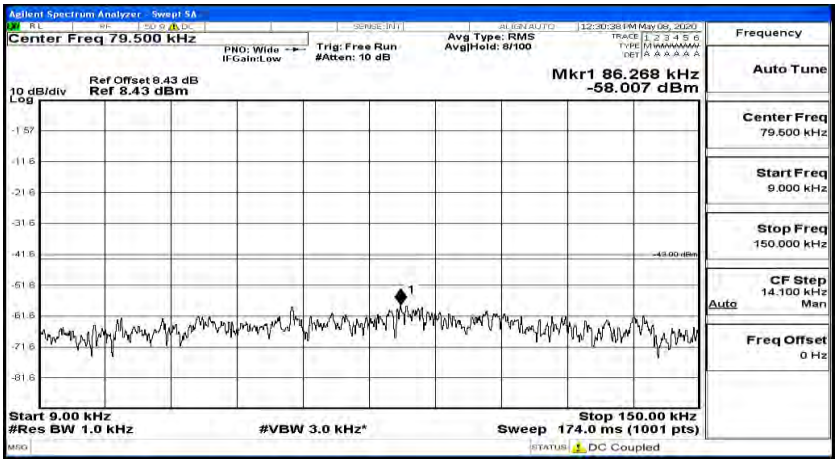
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0

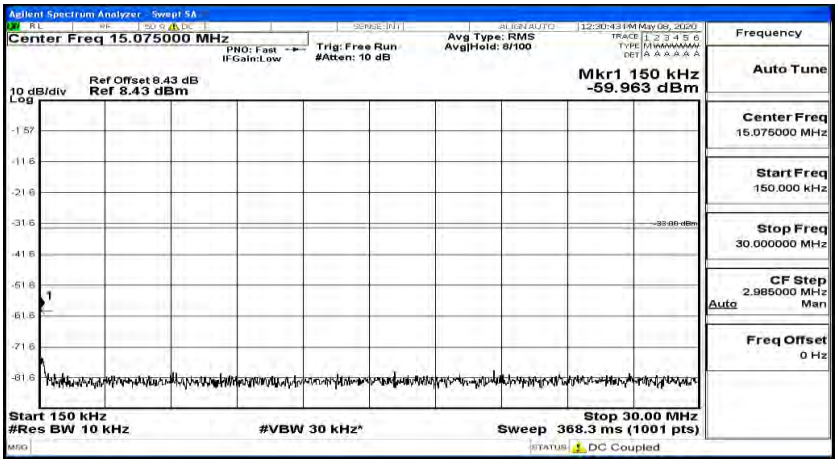




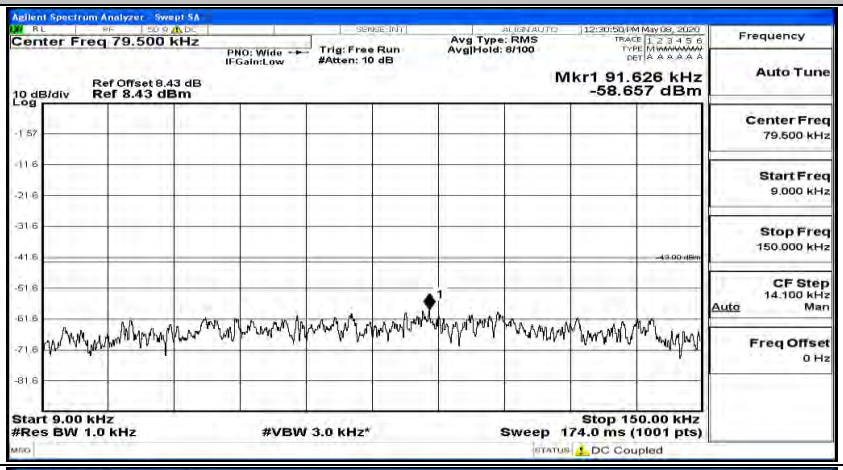


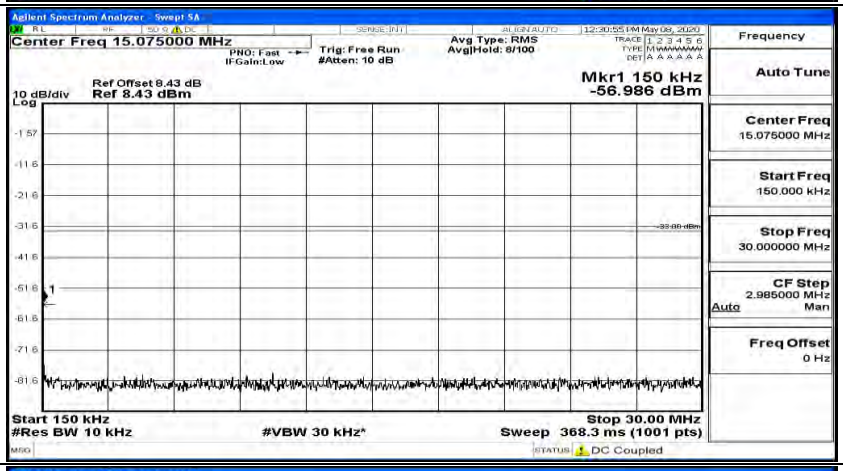
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3



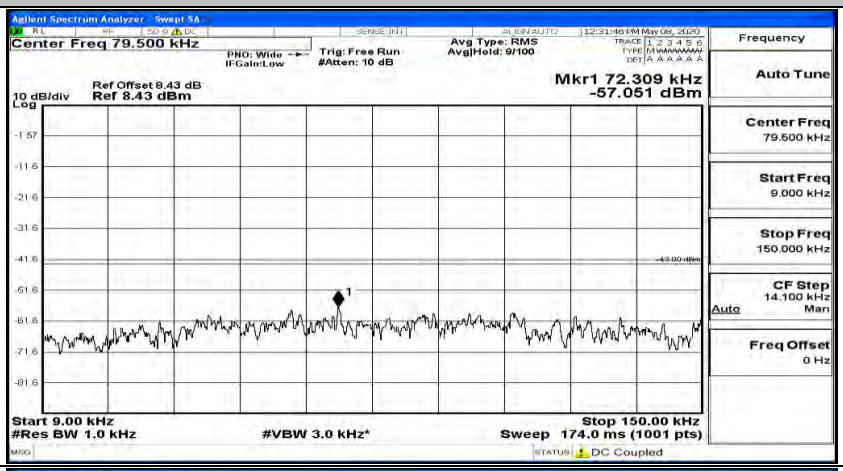


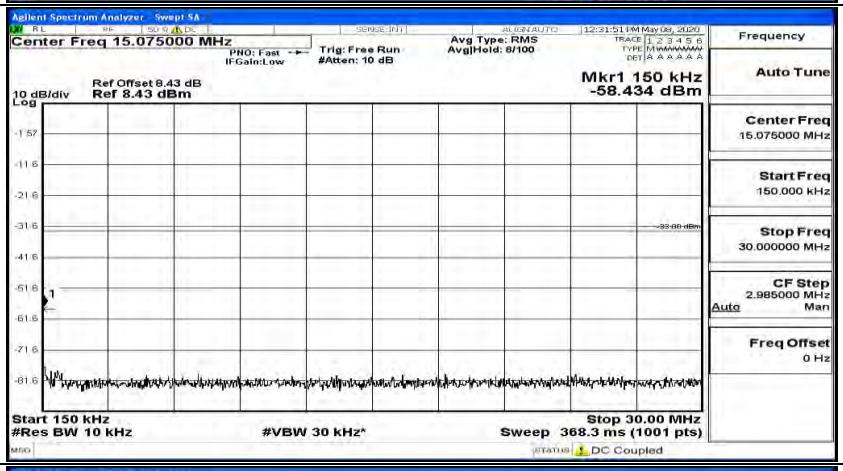
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5

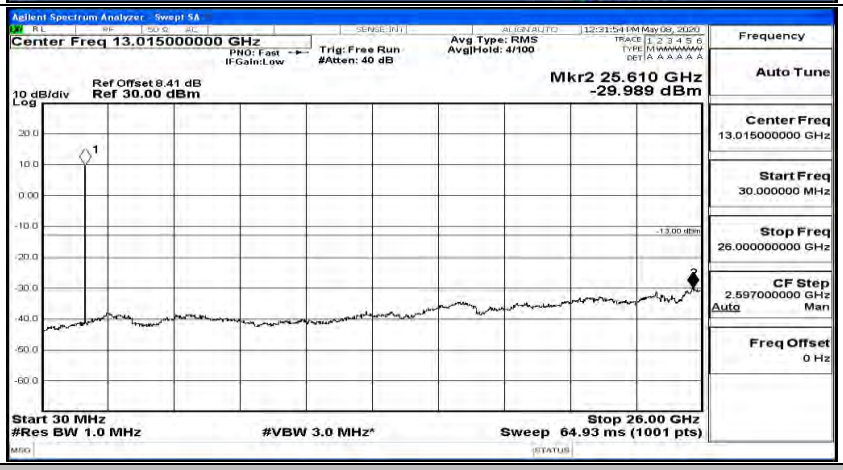




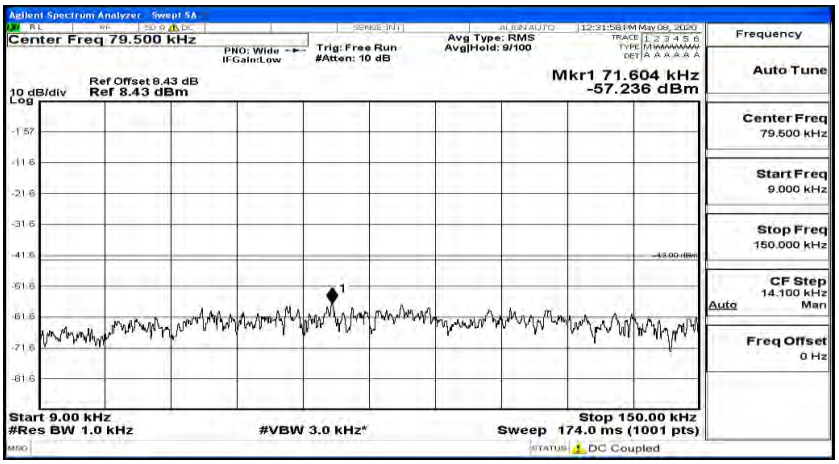
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0

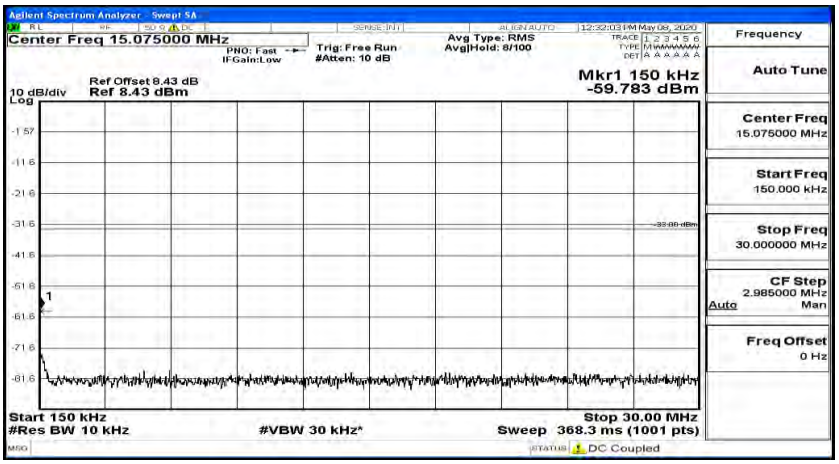


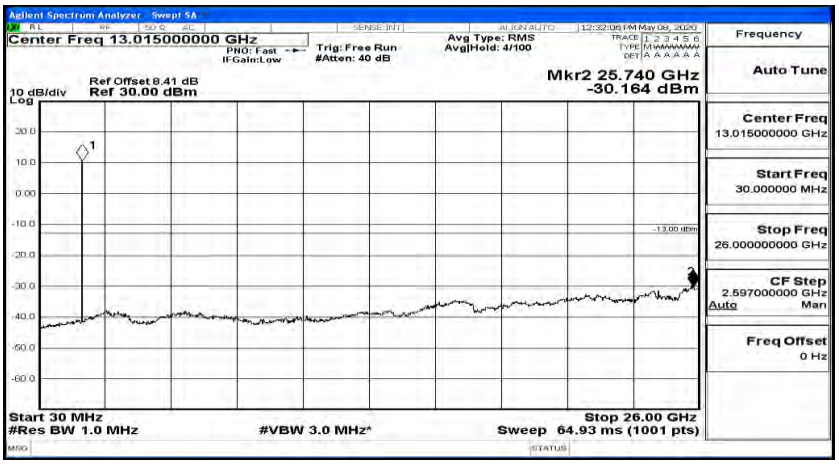




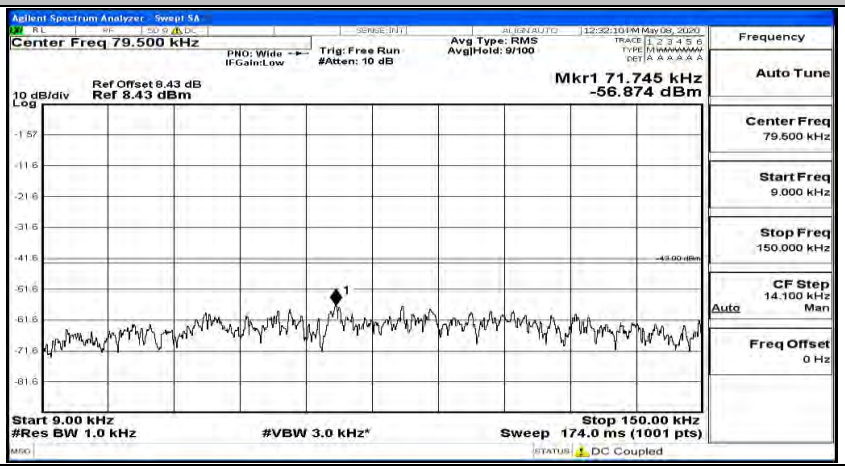
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3

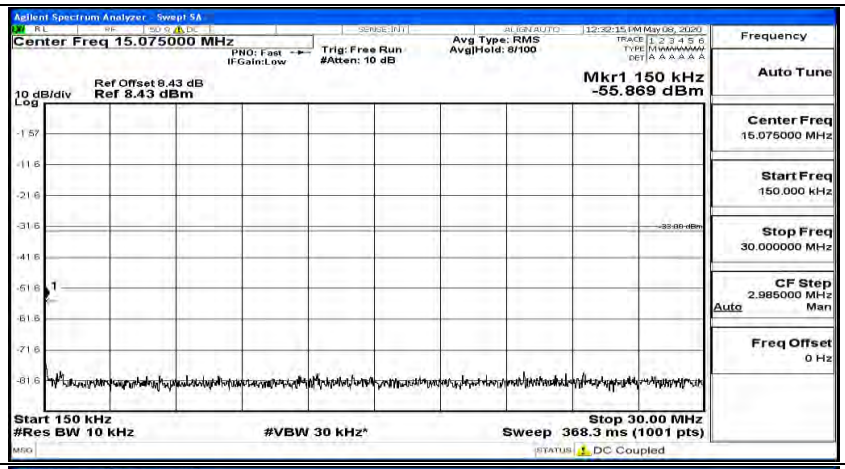




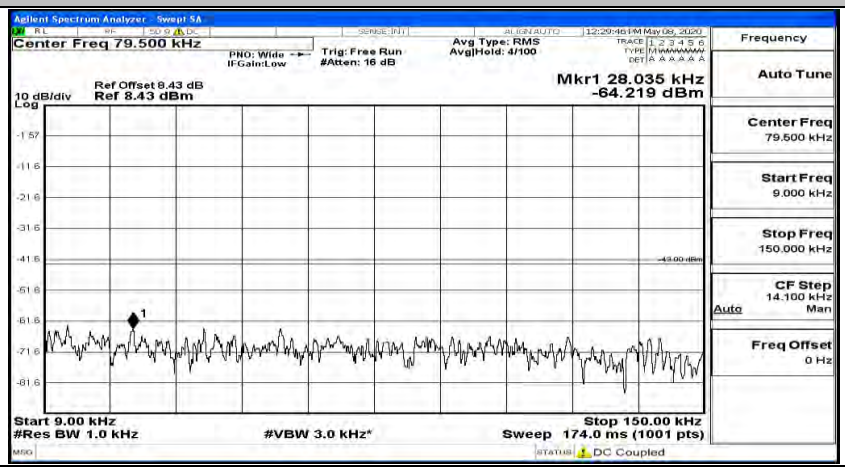


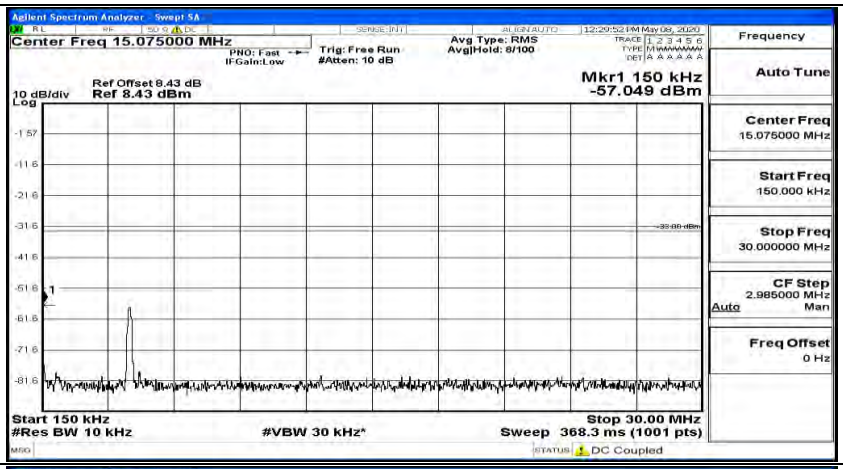
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5



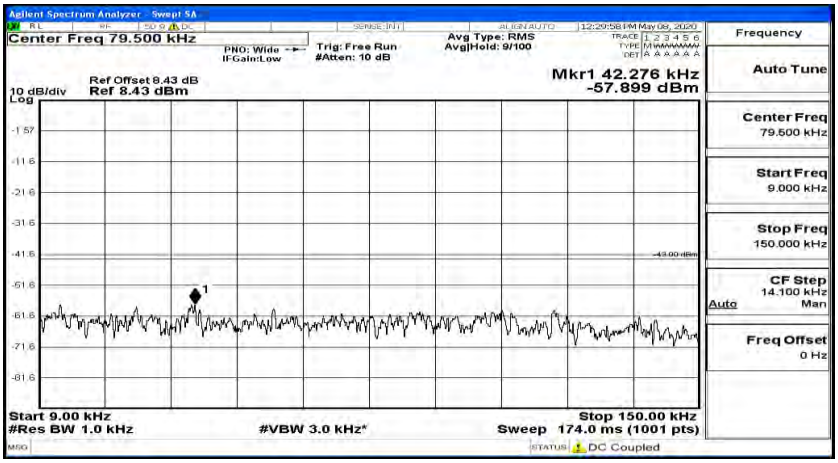


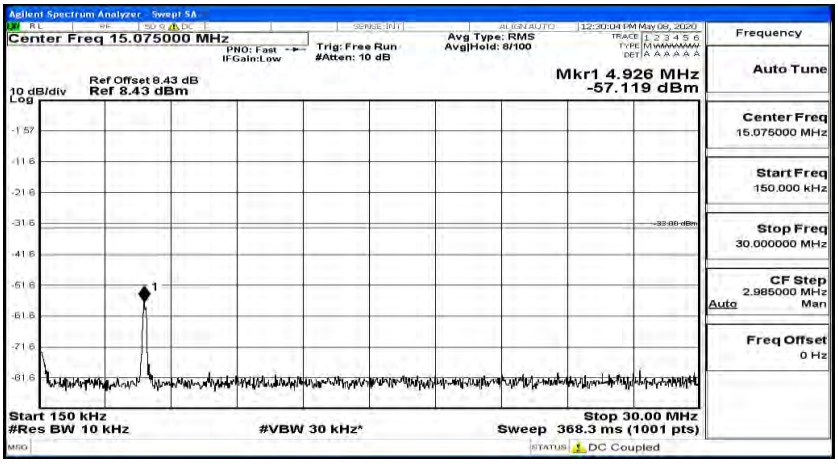
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0



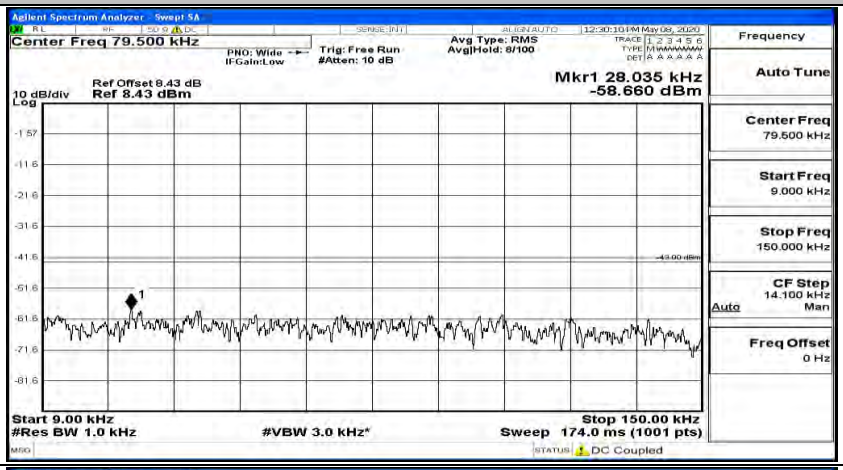


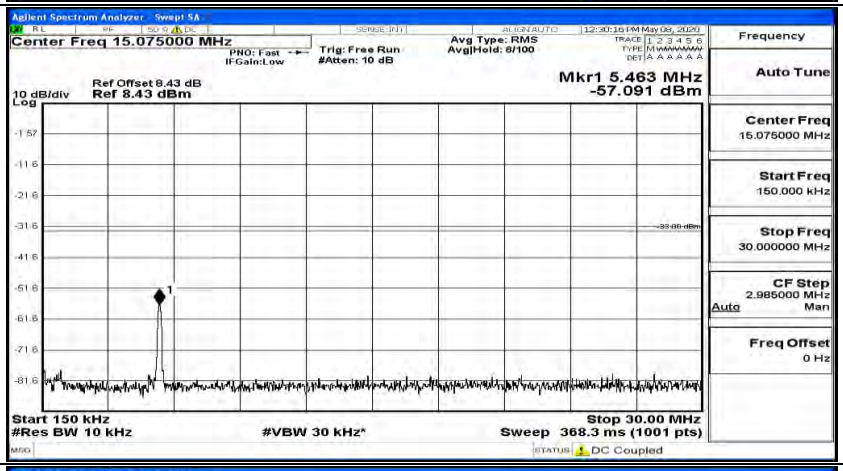
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3



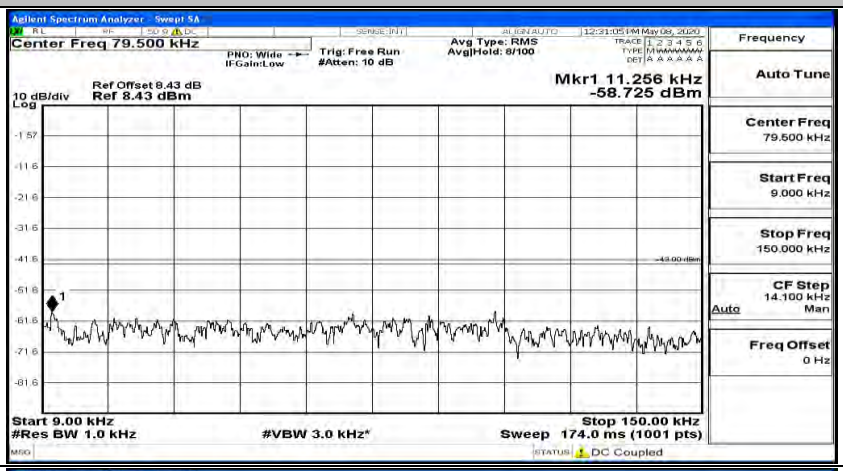


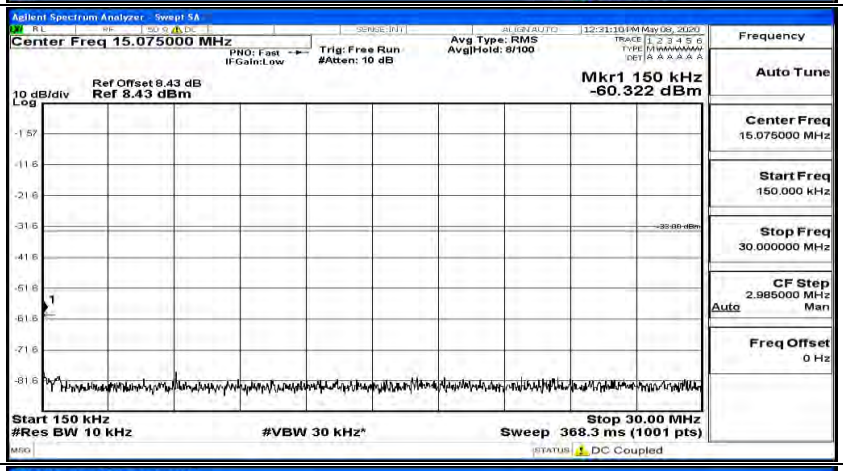
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5



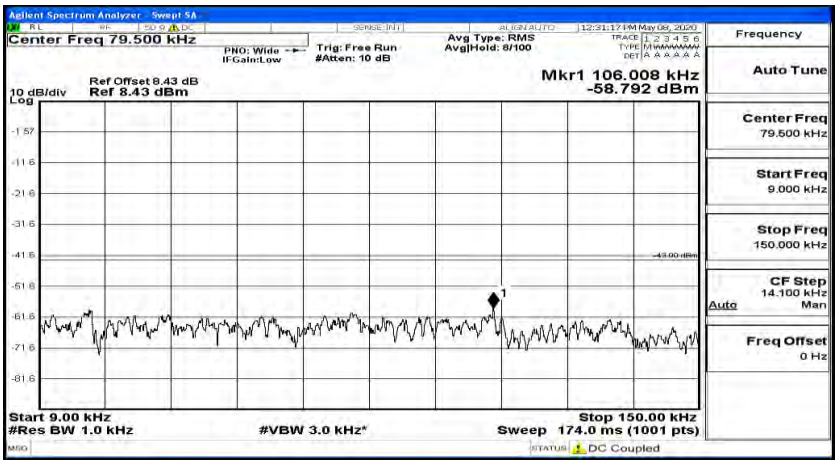


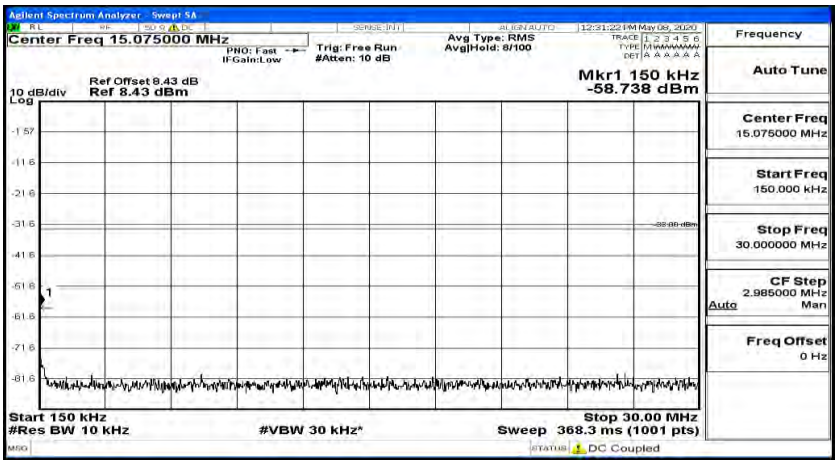
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0

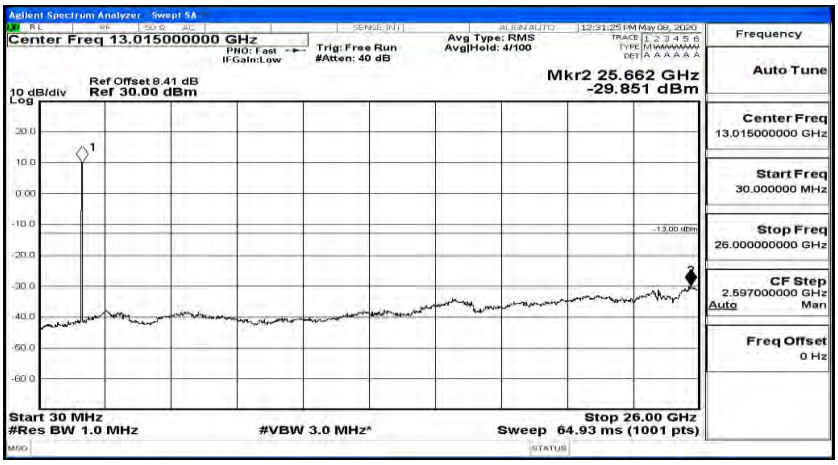




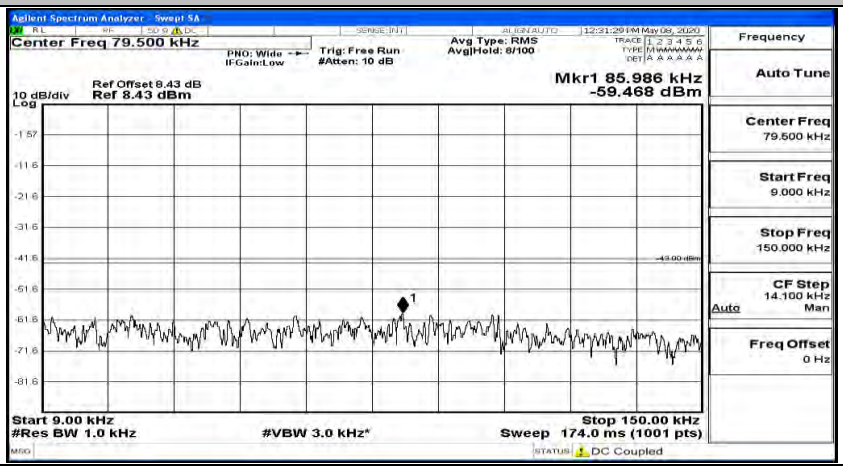
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3

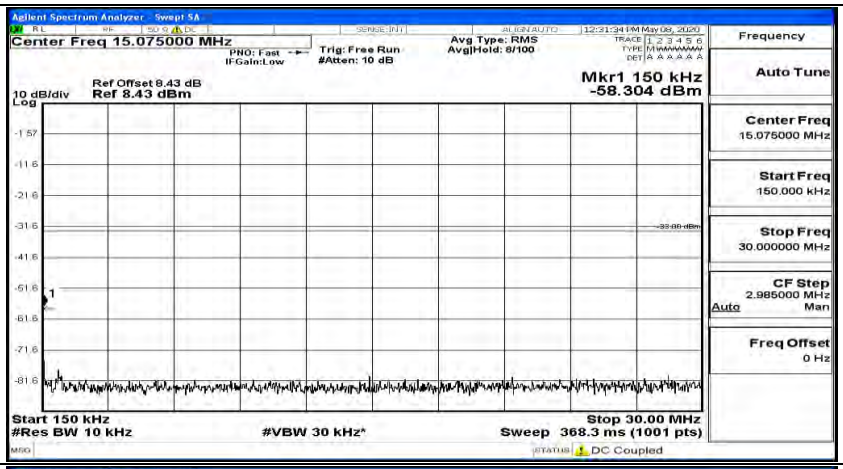




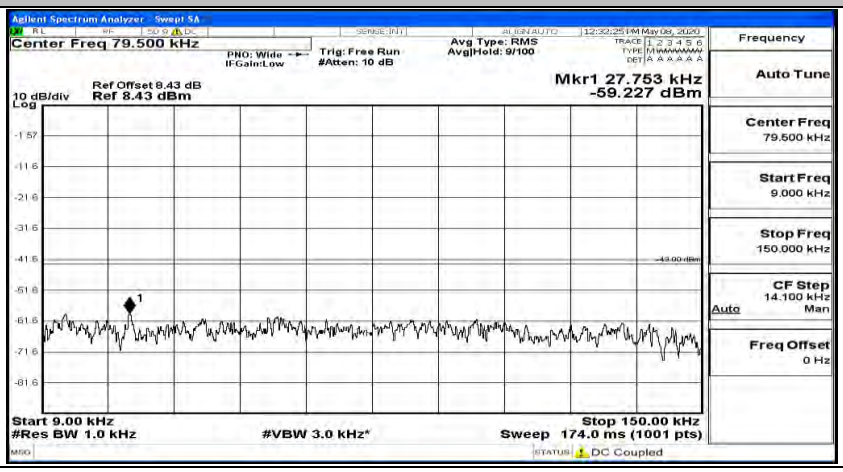


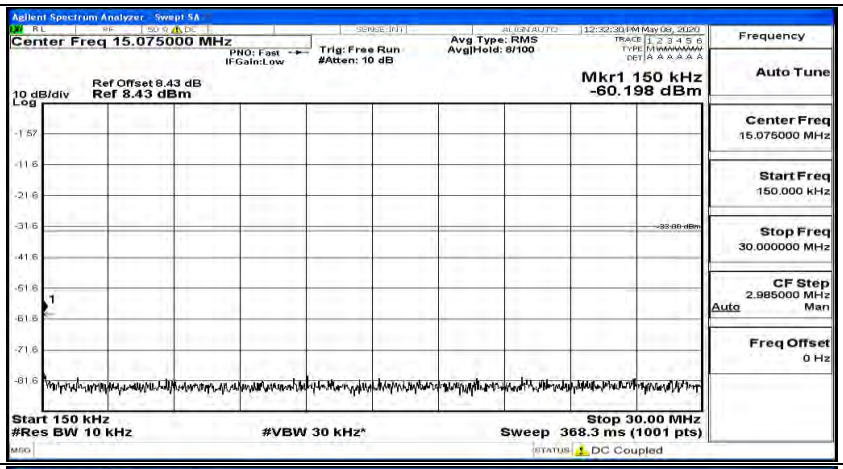
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5

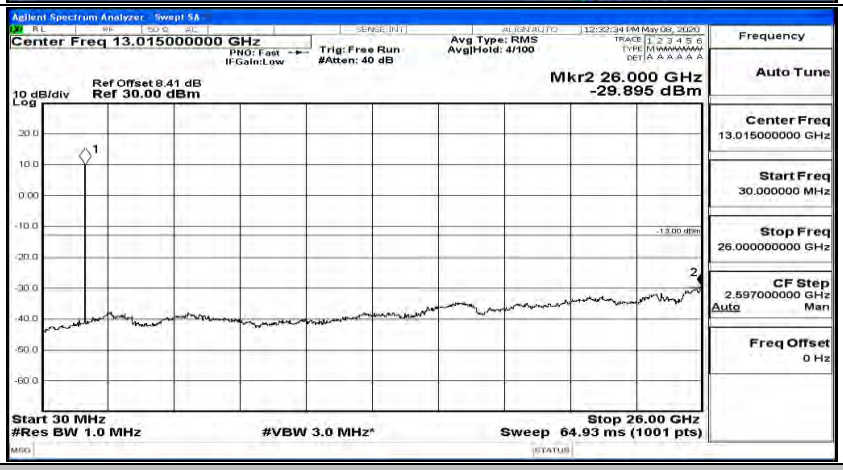




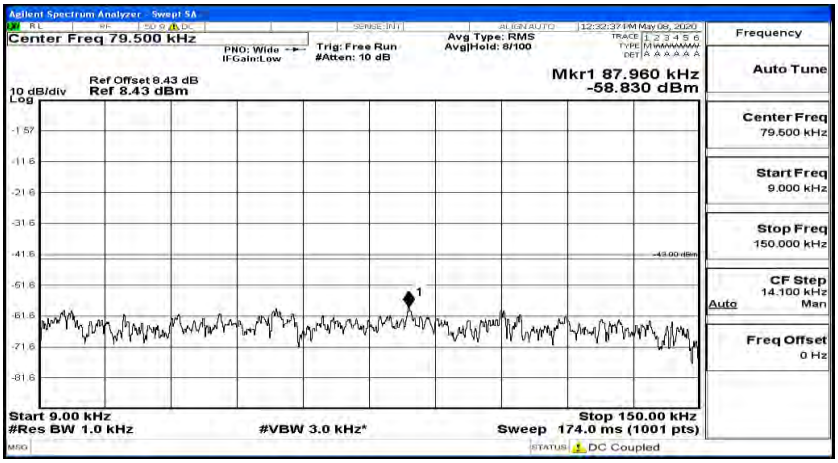
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0

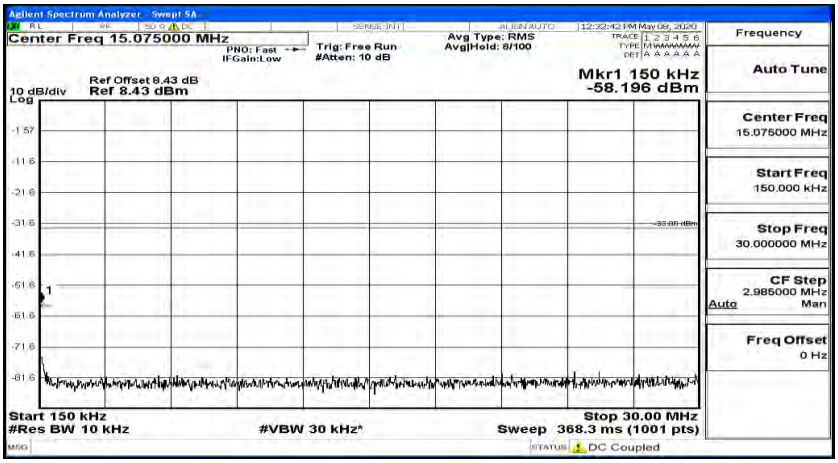




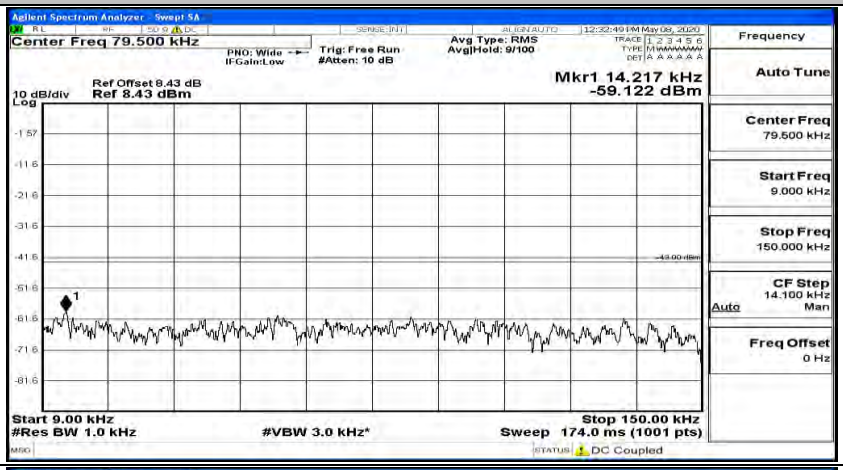


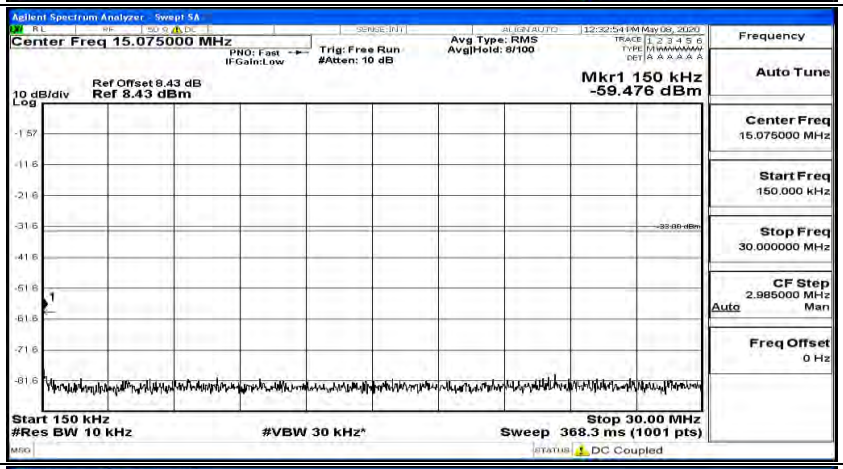
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3





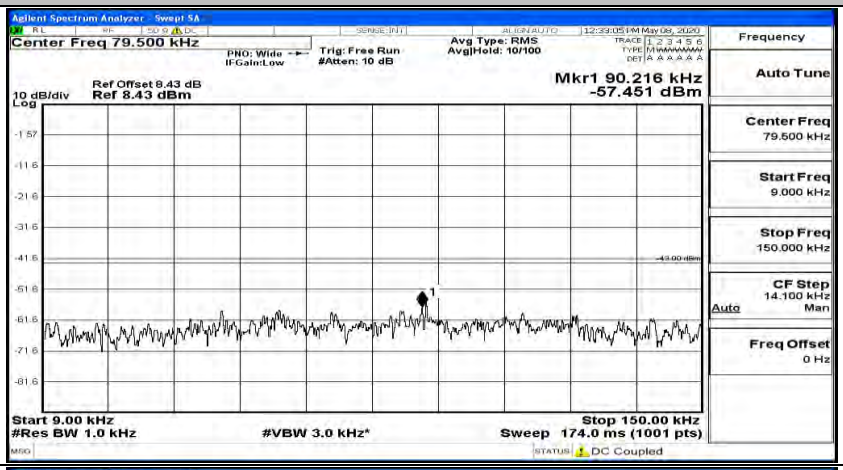
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5

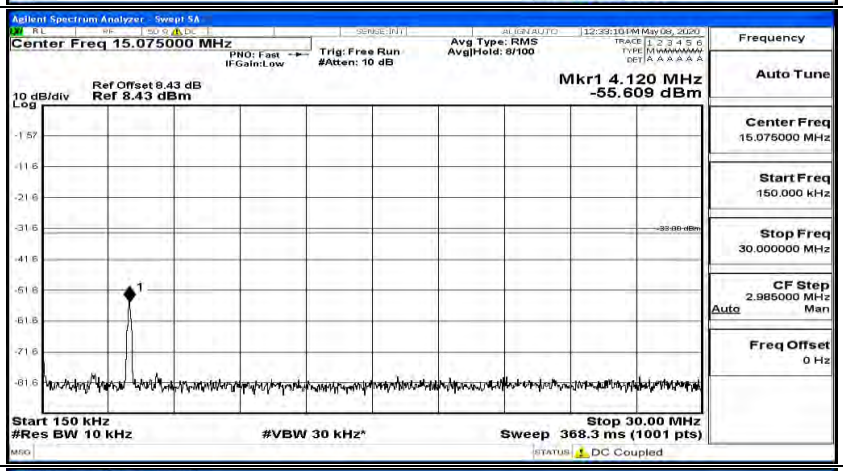




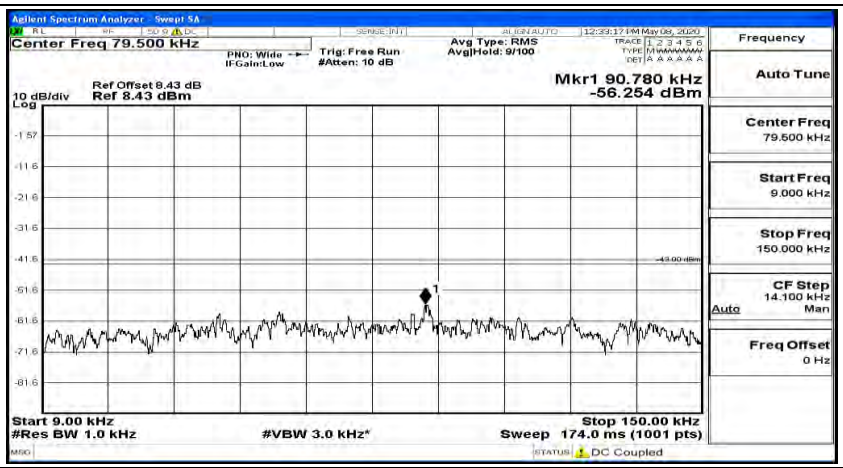
Channel Bandwidth: 3 MHz

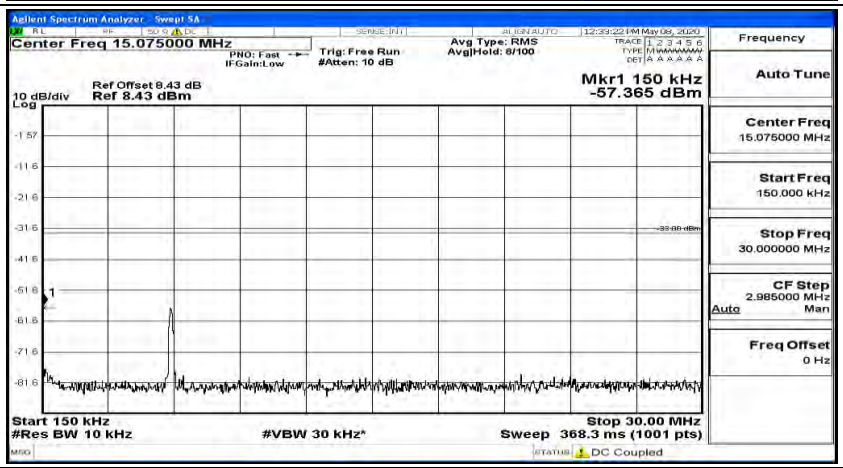
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0

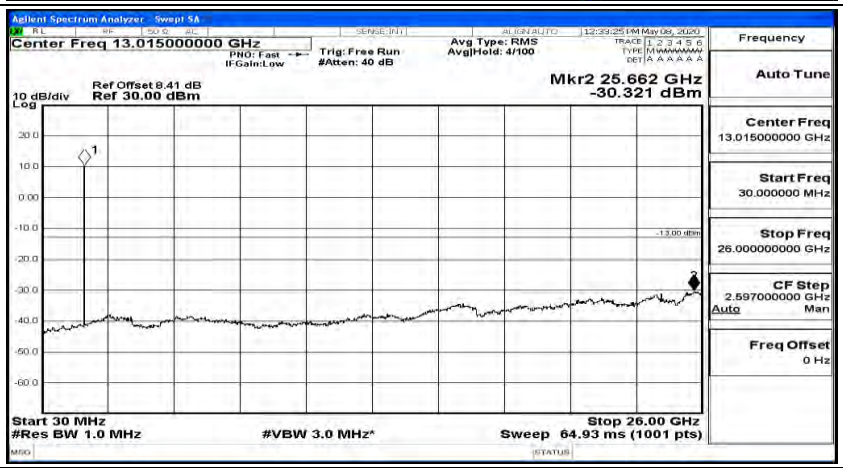




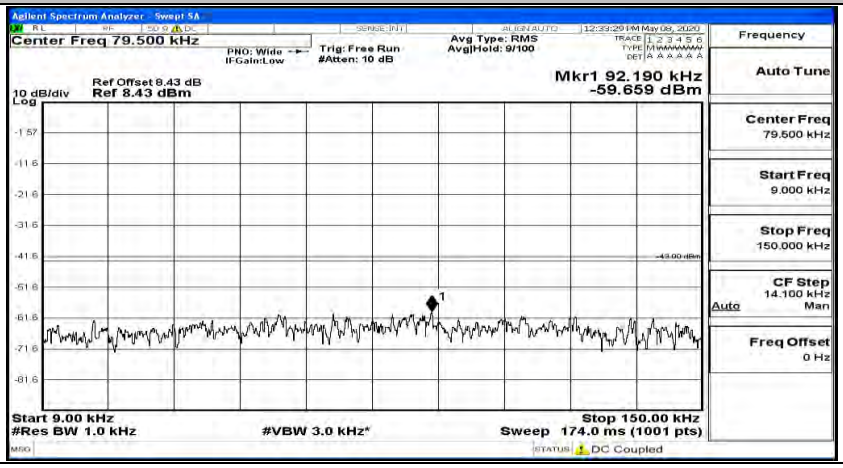
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7

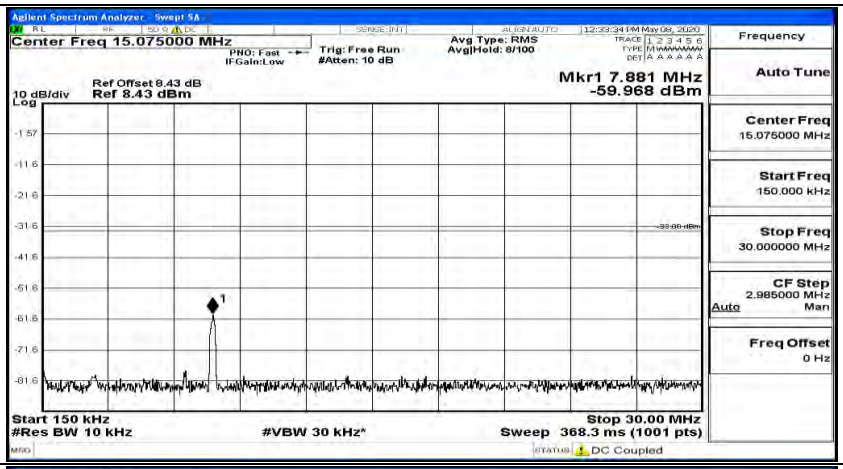




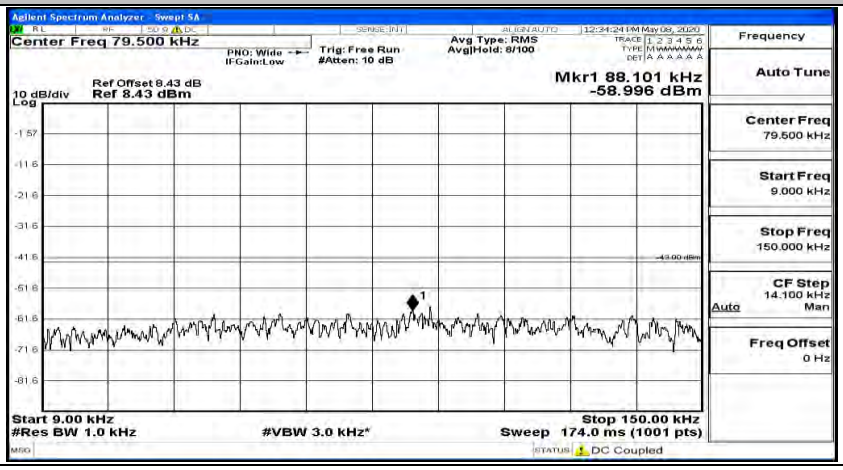


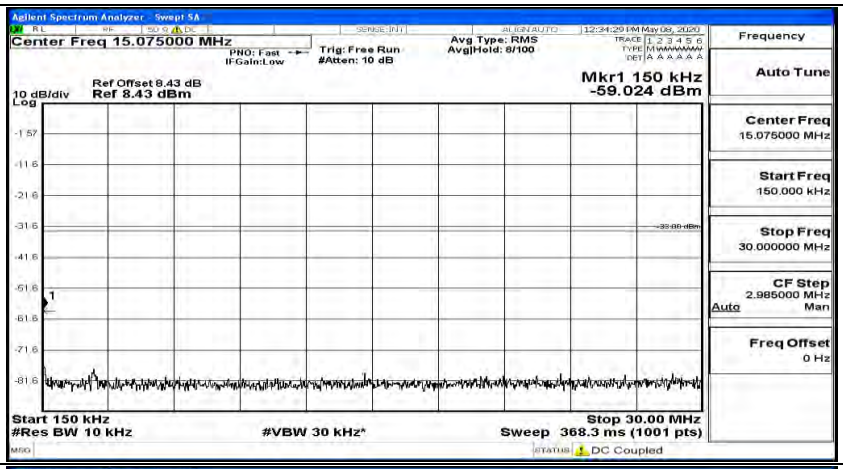
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14



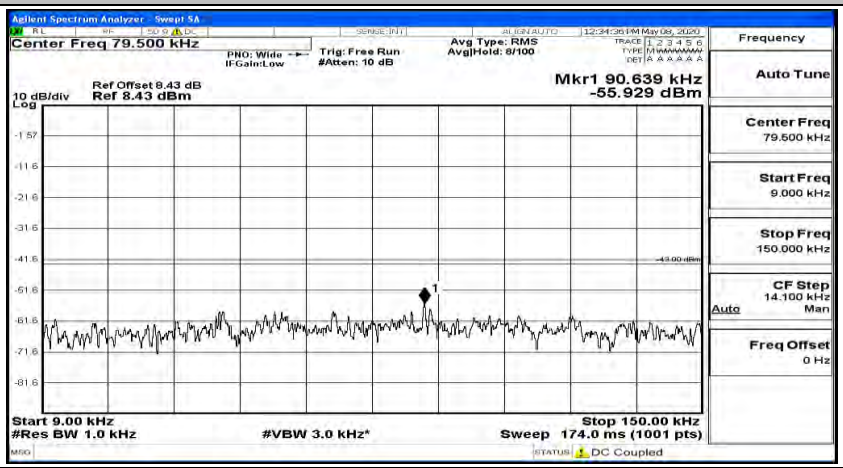


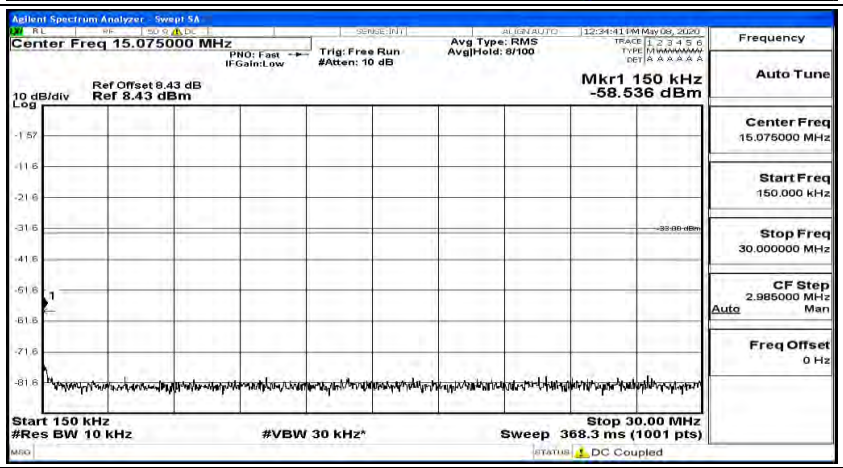
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0

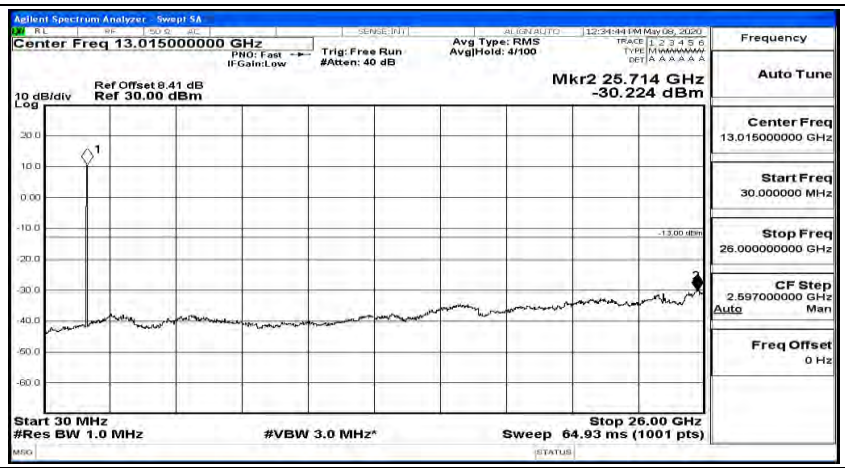




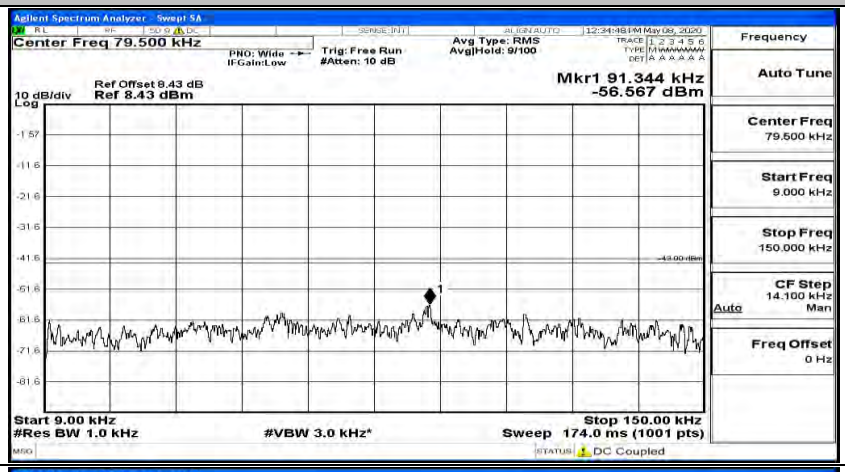
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#7

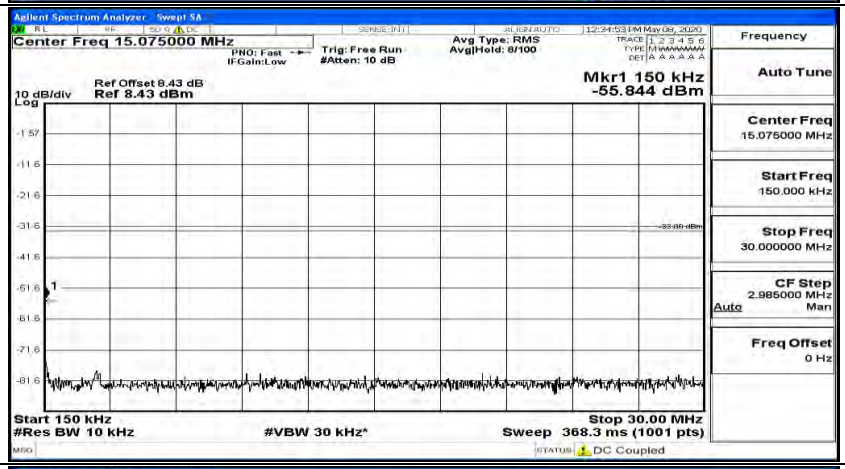




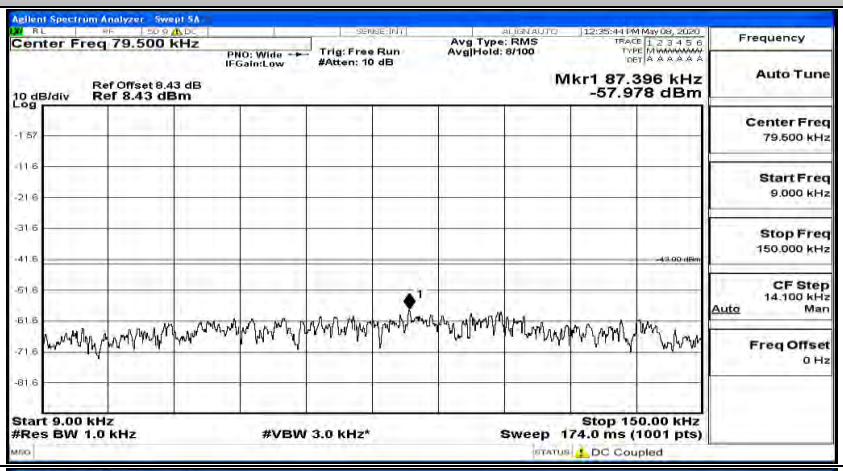


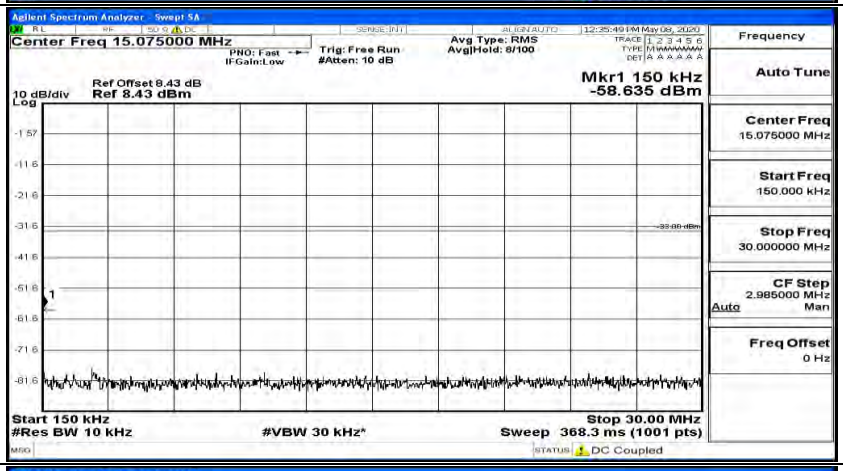
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14



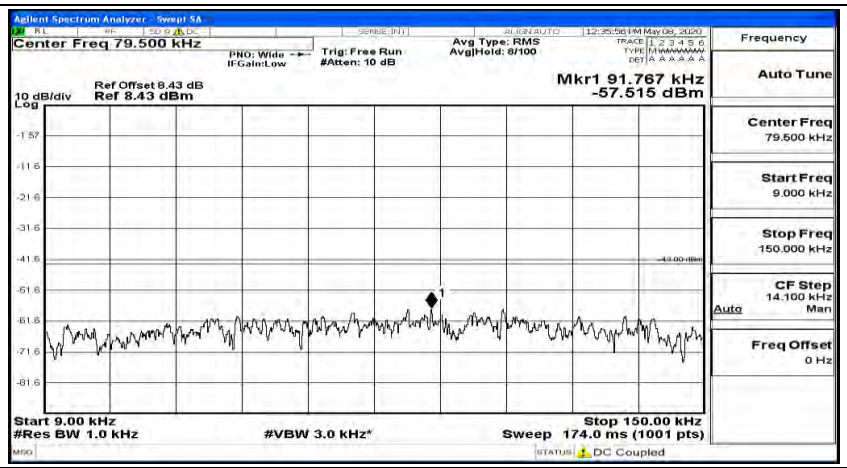


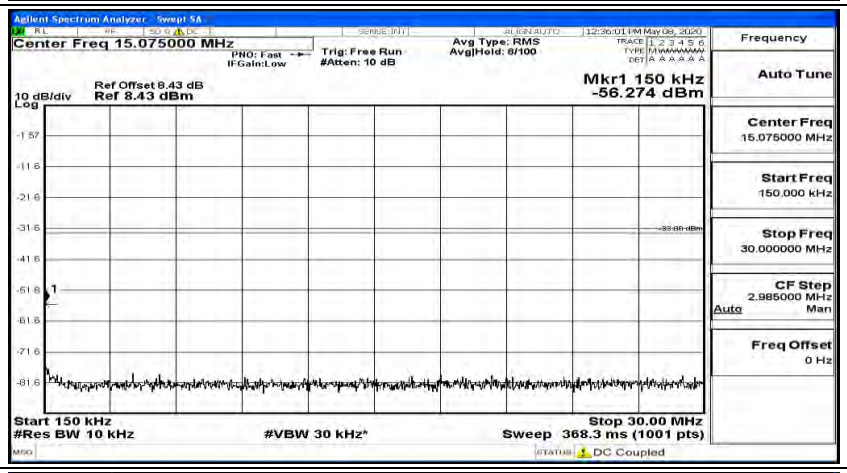
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0



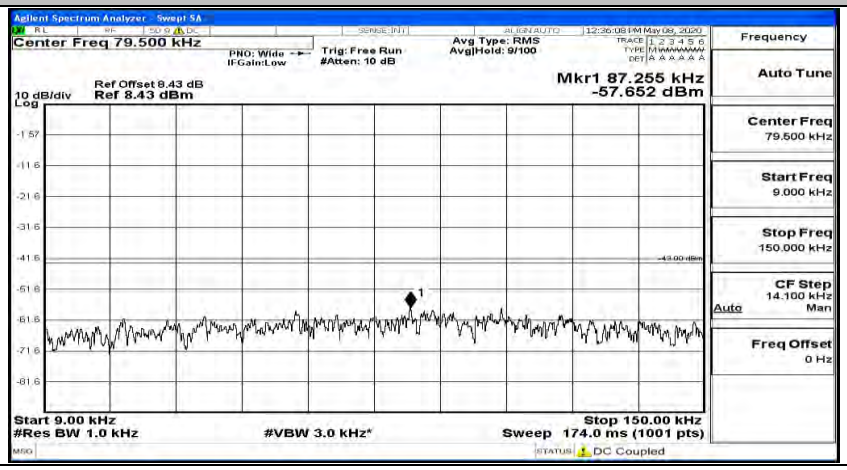


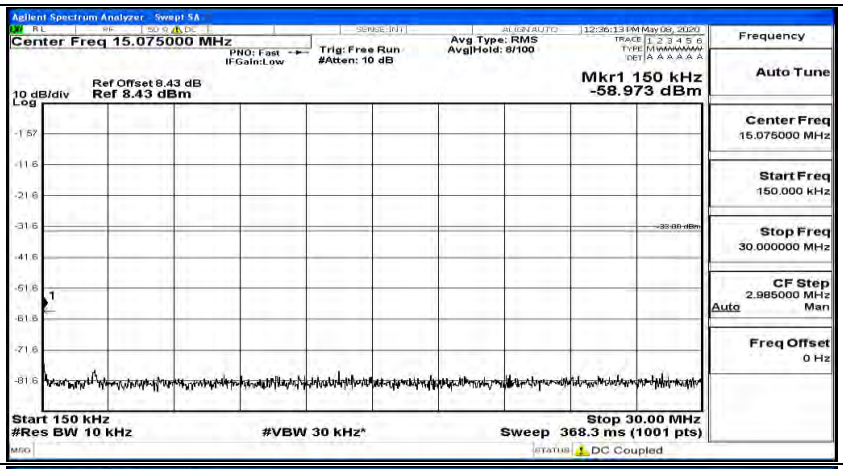
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7



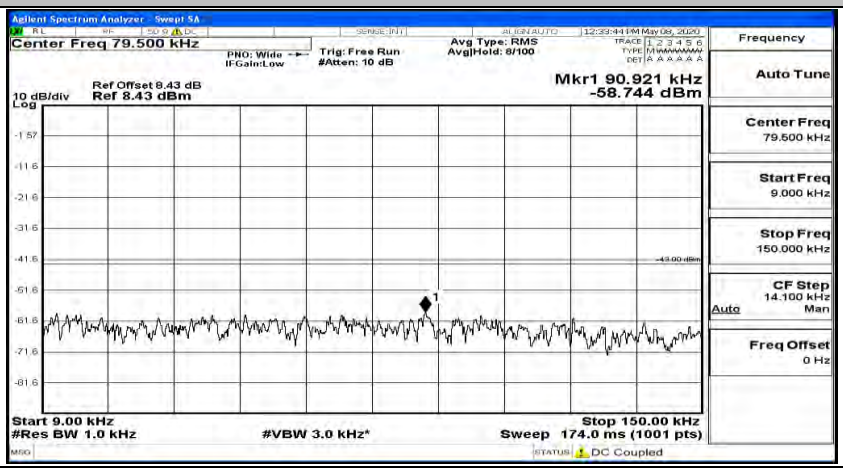


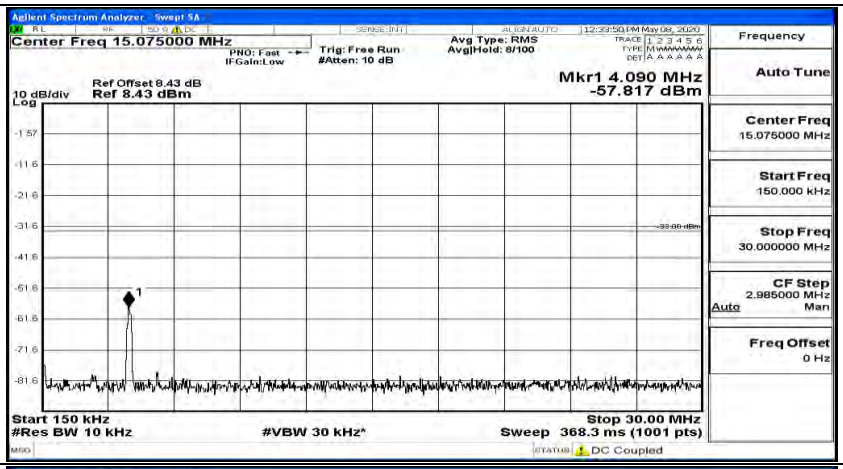
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14



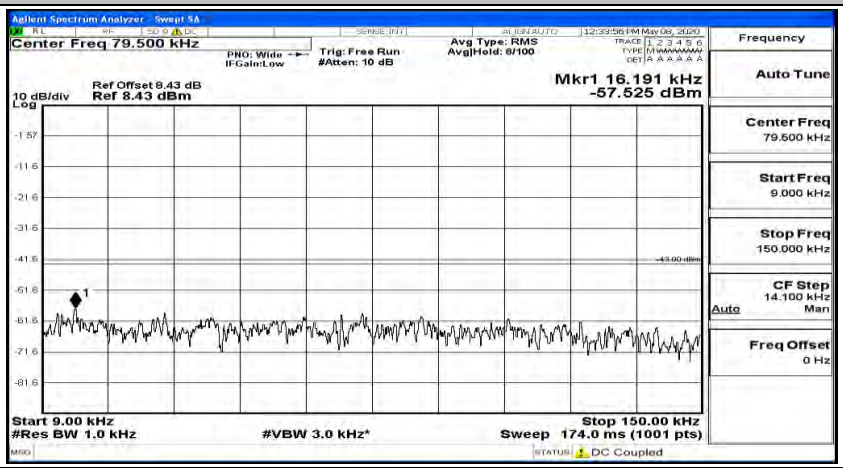


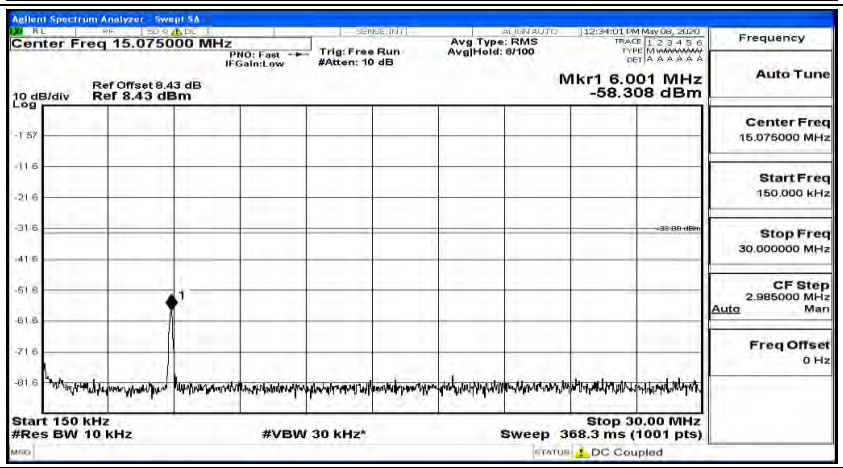
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0

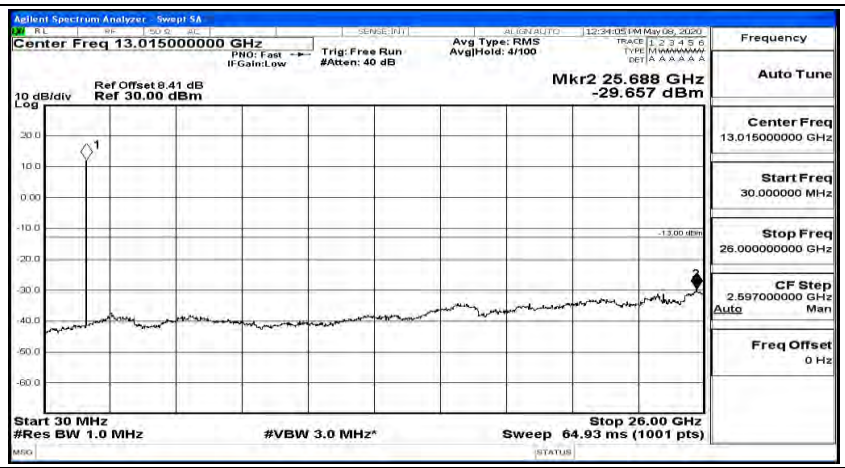




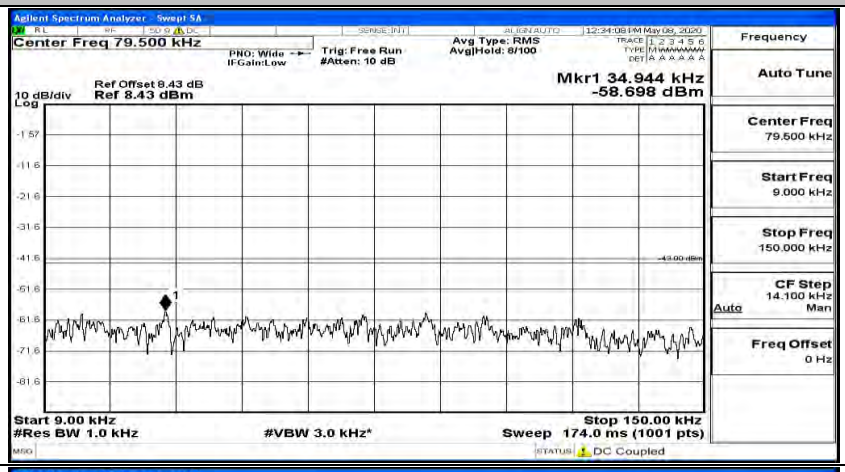
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7

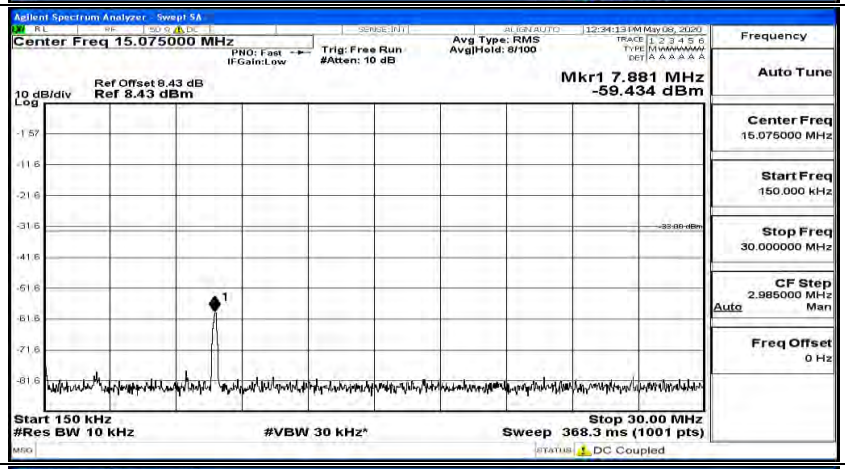




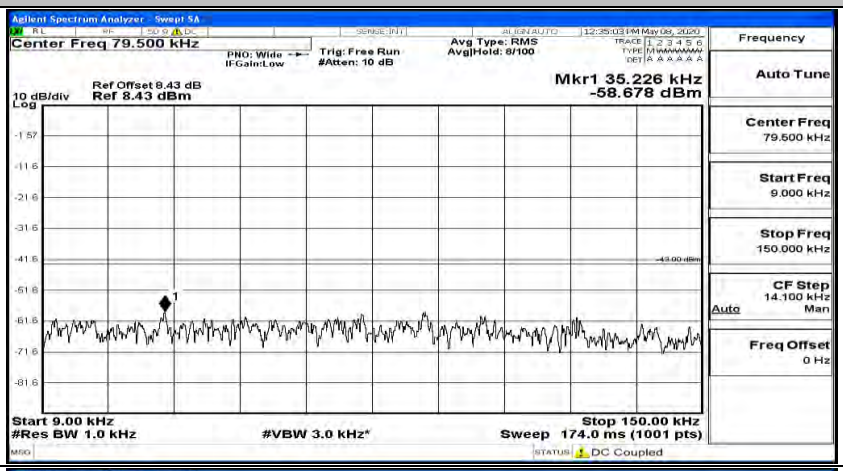


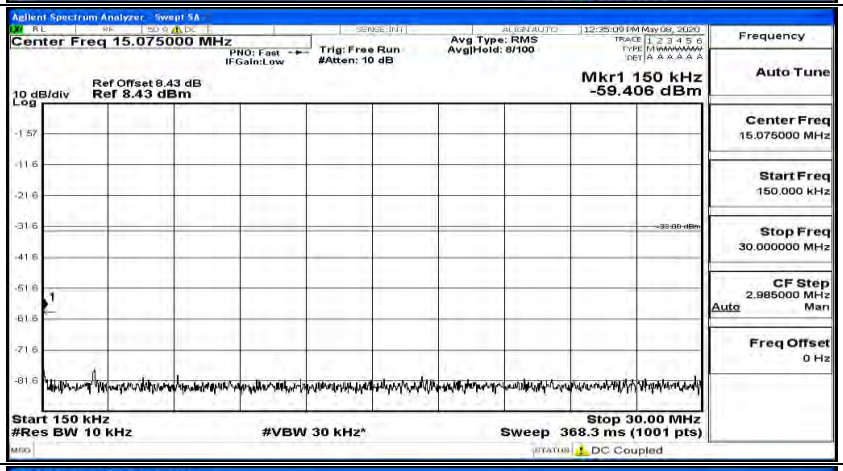
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14



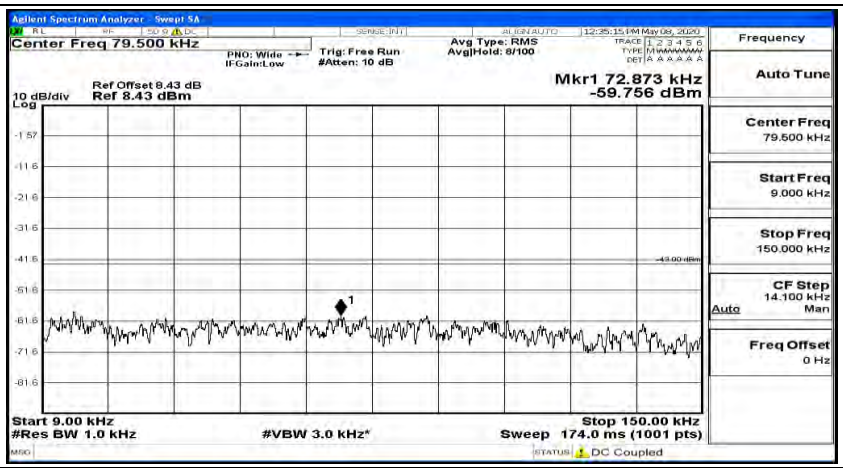


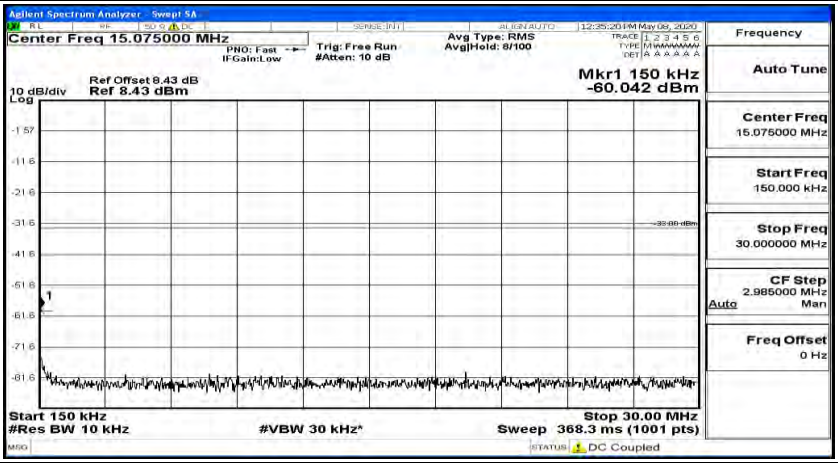
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0



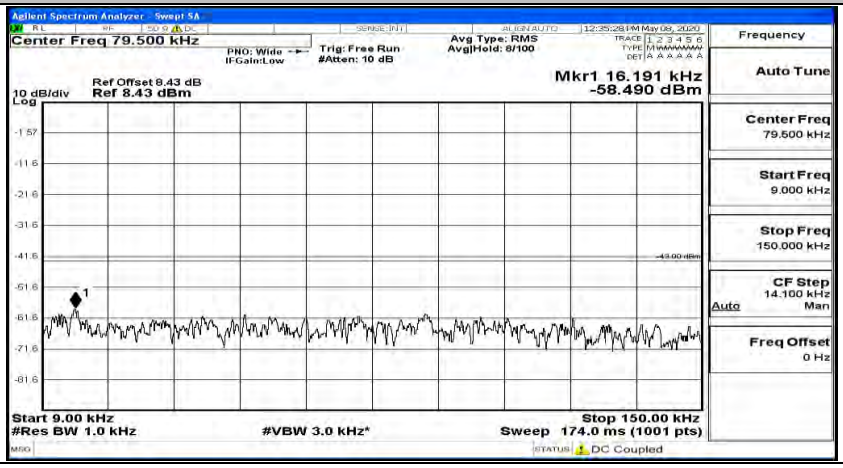


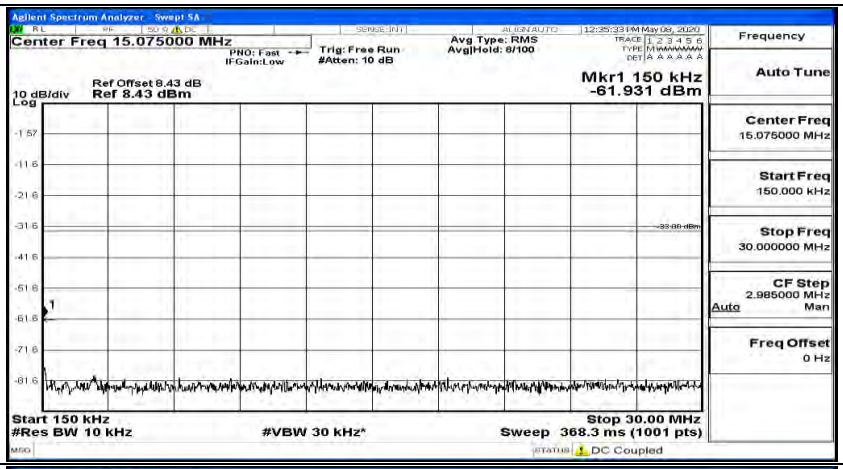
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7



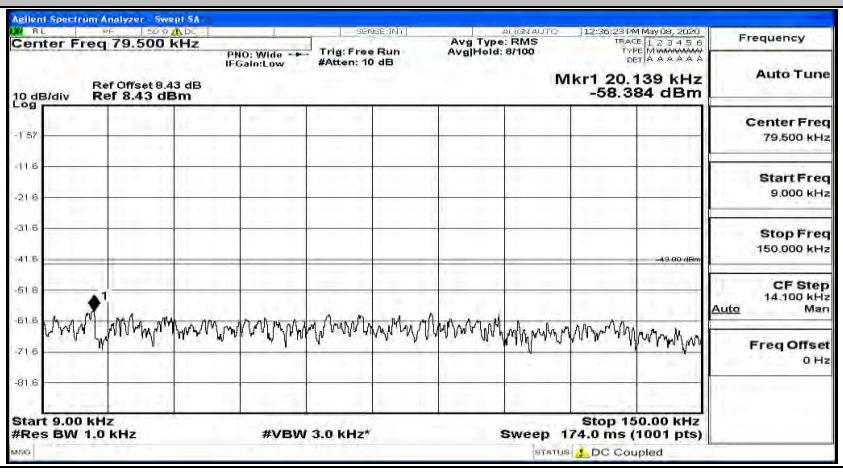


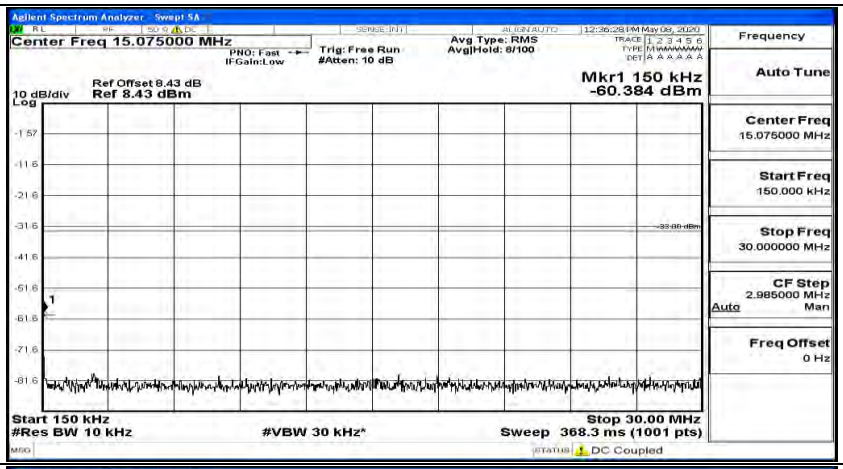
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14

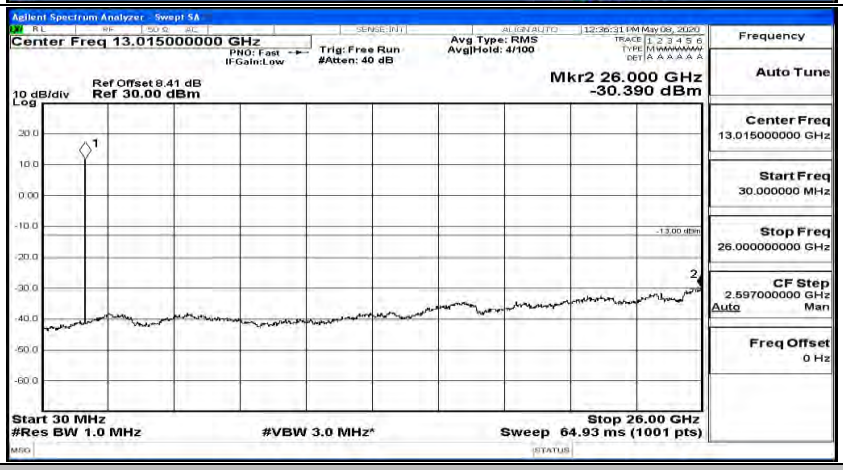




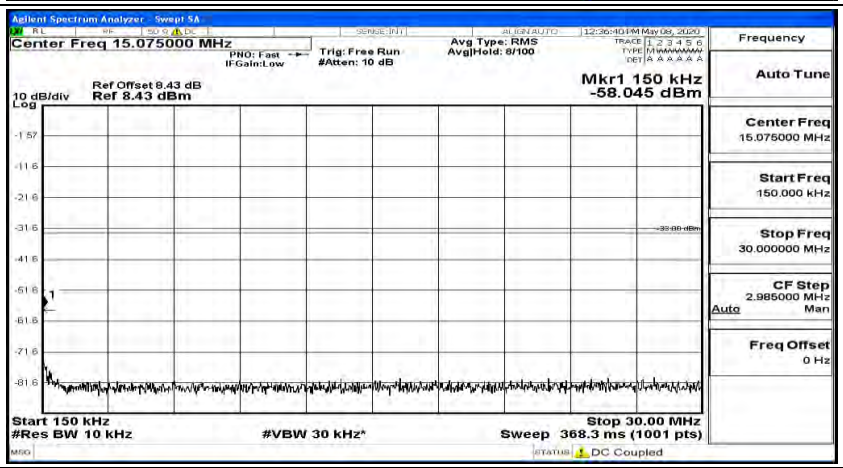
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0

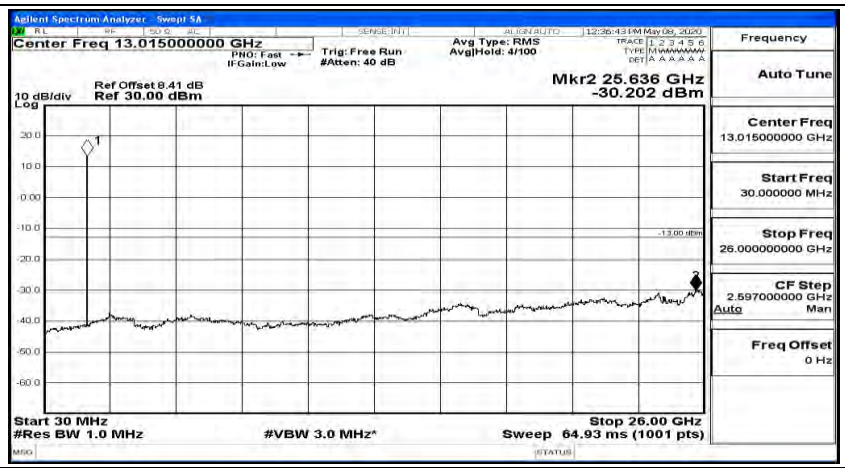




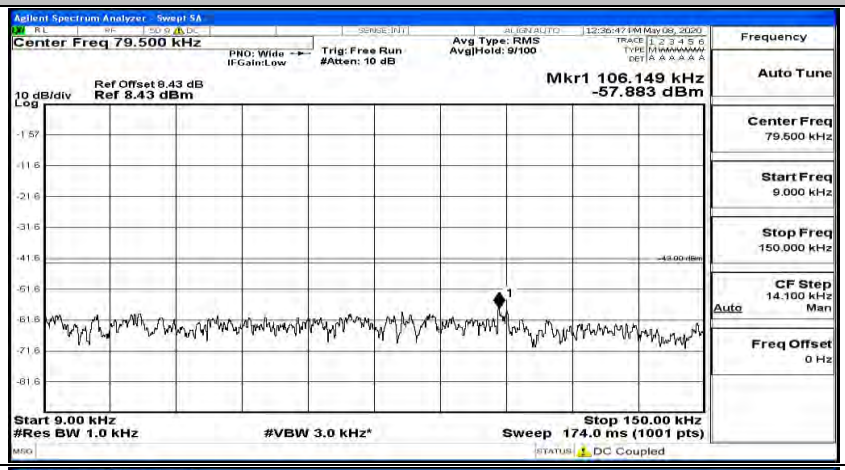


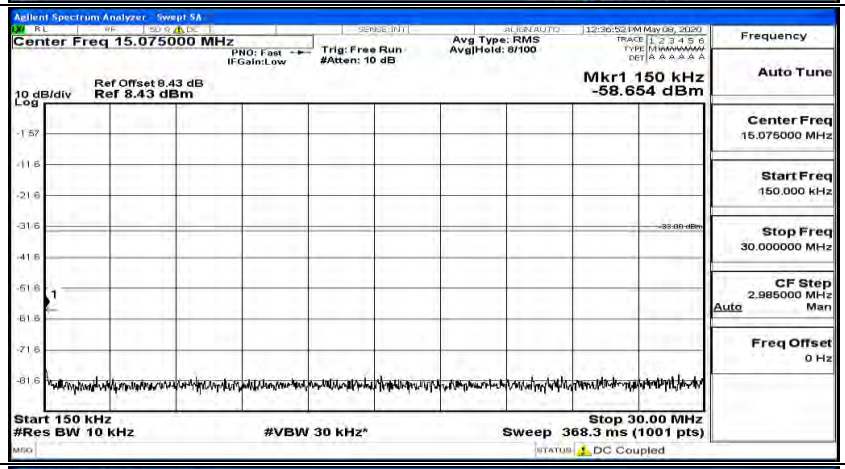
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7



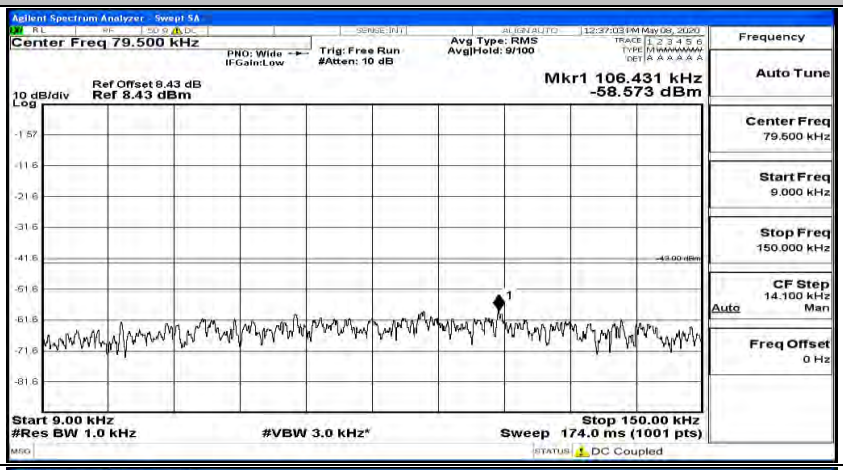
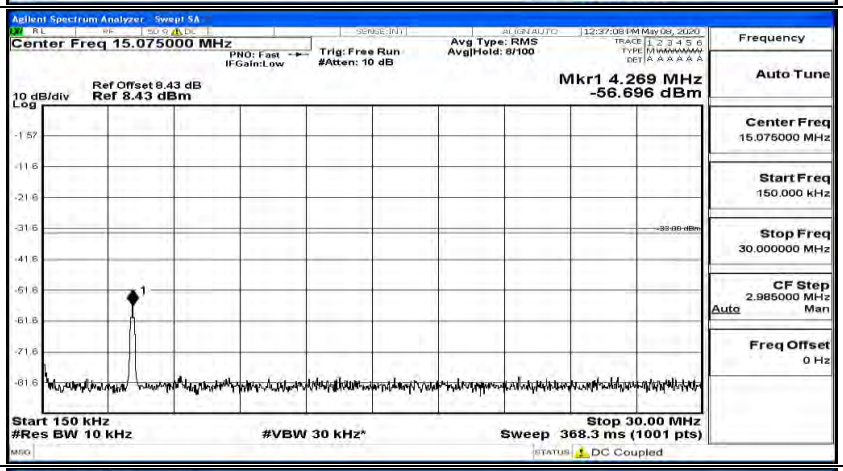


(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14

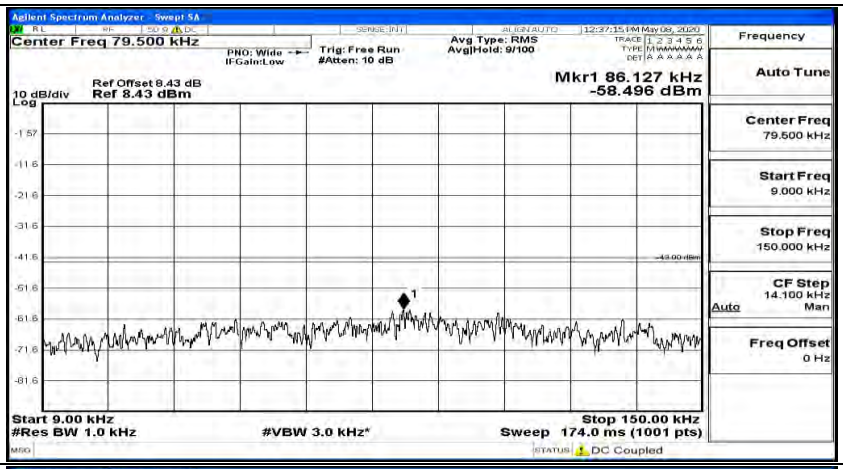


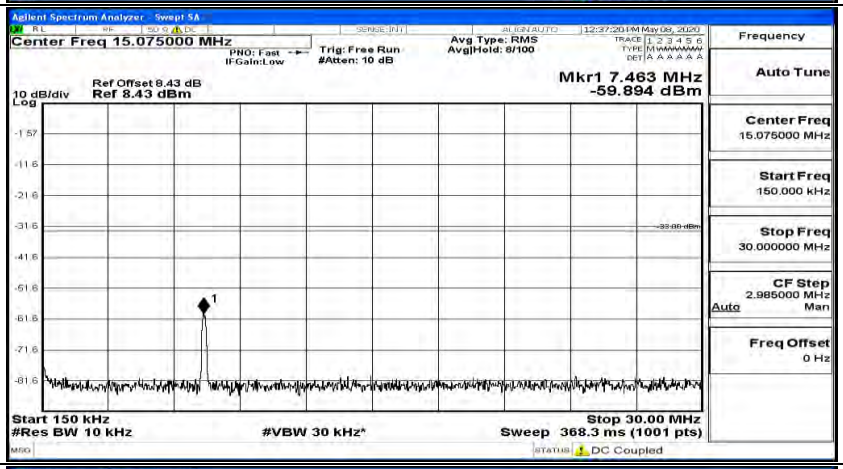


Channel Bandwidth: 5 MHz

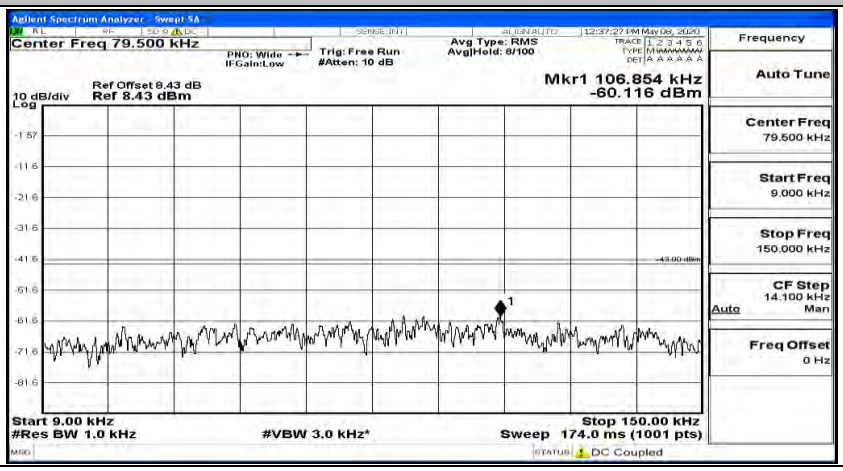
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



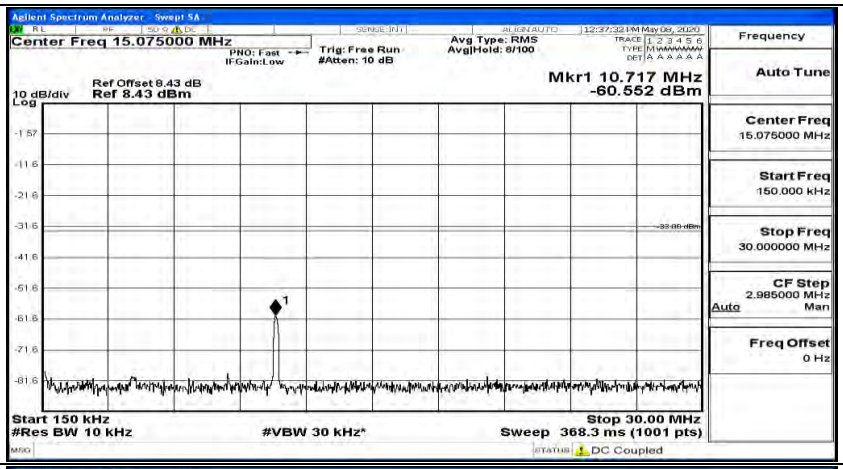
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



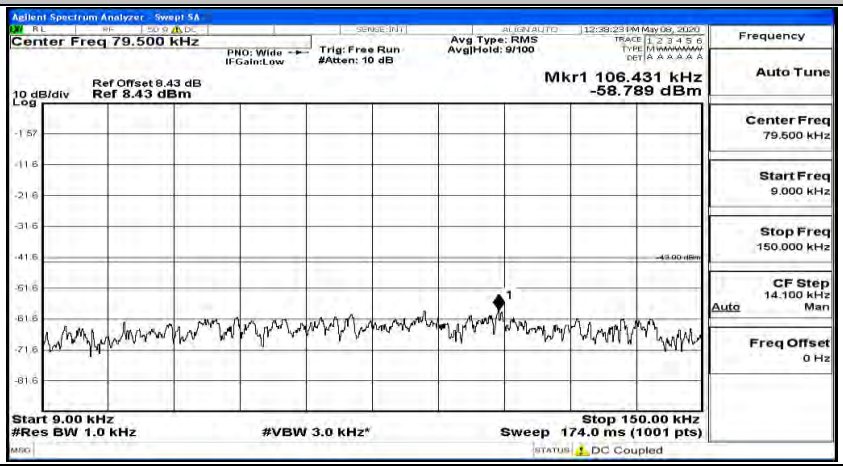


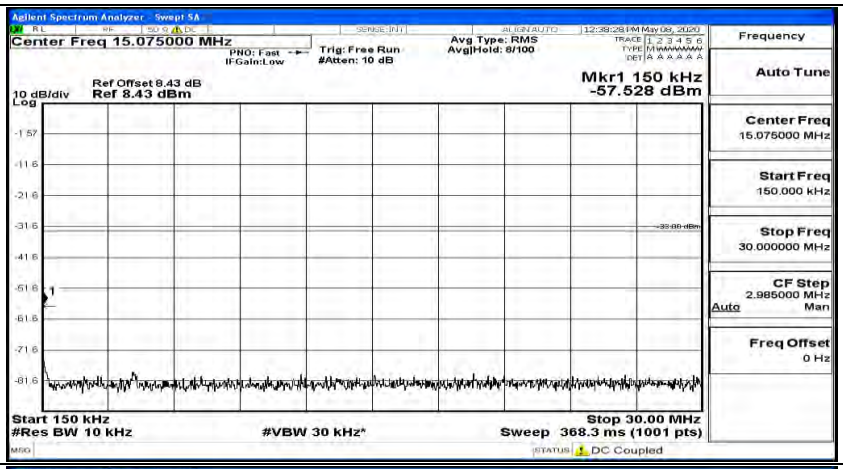
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24

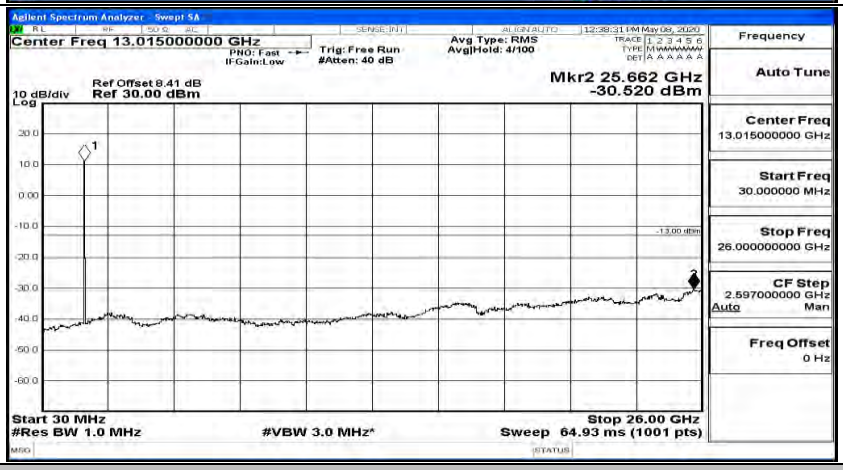




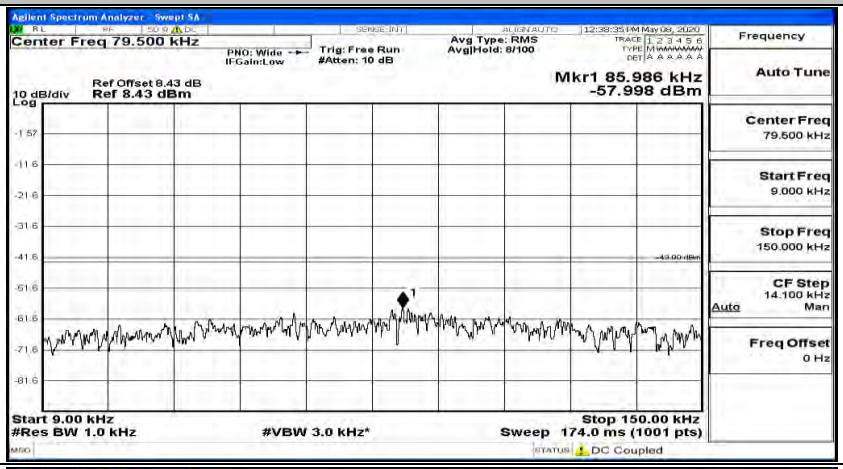
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

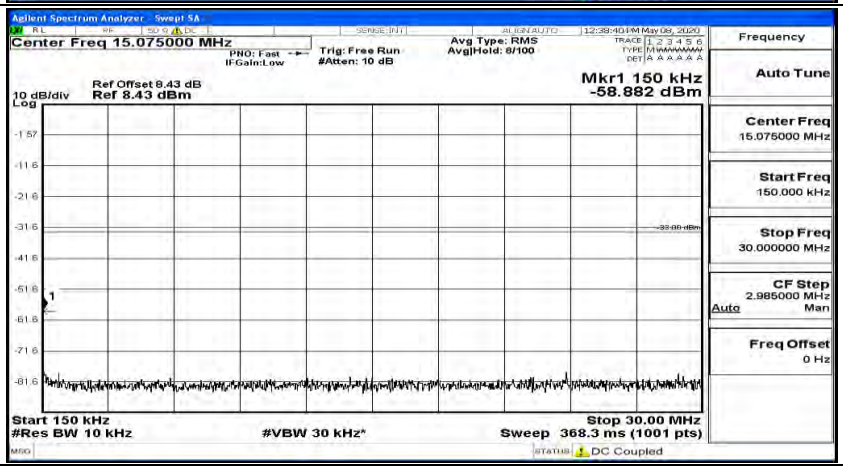






(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12





(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24