Appendix D: Test Data for E-UTRA Band 4

Product Name: Tablet pc

Trade Mark: Touch+

Test Model: 1100AS

Environmental Conditions

Temperature:	24.5°C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Li Huan

D.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	23.28	22.64	PASS
		1	3	23.47	22.64	PASS
		1	5	23.50	22.62	PASS
		3	0	23.65	22.70	PASS
		3	2	23.68	22.81	PASS
		3	3	23.64	22.87	PASS
		6	0	22.52	21.48	PASS
	MCH	1	0	23.01	22.15	PASS
		1	3	22.92	22.27	PASS
		1	5	22.78	22.07	PASS
		3	0	22.96	21.88	PASS
		3	2	22.92	21.89	PASS
		3	3	22.80	21.79	PASS
		6	0	21.77	20.55	PASS
	HCH	1	0	23.33	22.01	PASS
		1	3	23.64	22.12	PASS
		1	5	23.60	22.29	PASS
		3	0	23.40	21.90	PASS
		3	2	23.54	22.06	PASS
		3	3	23.54	21.99	PASS
		6	0	22.11	21.61	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	23.52	23.02	PASS
		1	7	23.52	22.56	PASS
		1	14	23.31	22.34	PASS
		8	0	22.45	21.74	PASS
		8	4	22.28	21.76	PASS
		8	7	22.26	21.41	PASS
		15	0	22.43	21.32	PASS
	MCH	1	0	22.89	22.16	PASS
		1	7	22.79	21.98	PASS
		1	14	22.69	21.79	PASS
		8	0	21.77	20.87	PASS
		8	4	21.87	20.88	PASS
		8	7	21.67	20.93	PASS
		15	0	21.74	20.74	PASS
	HCH	1	0	23.21	22.28	PASS
		1	7	23.61	22.69	PASS
		1	14	23.70	22.81	PASS
		8	0	22.11	21.04	PASS
		8	4	22.29	21.41	PASS
		8	7	22.33	21.53	PASS
		15	0	22.21	21.33	PASS

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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	23.40	22.67	PASS
		1	12	23.13	22.56	PASS
		1	24	22.67	22.08	PASS
		12	0	22.56	21.81	PASS
		12	6	22.40	21.59	PASS
		12	13	22.41	21.63	PASS
		25	0	22.51	21.53	PASS
	MCH	1	0	22.99	22.21	PASS
		1	12	22.94	22.00	PASS
		1	24	22.89	21.90	PASS
		12	0	21.95	21.11	PASS
		12	6	21.90	21.07	PASS
		12	13	21.83	20.97	PASS
		25	0	21.92	21.17	PASS
	HCH	1	0	23.44	21.68	PASS
		1	12	24.19	22.14	PASS
		1	24	23.94	21.96	PASS
		12	0	22.30	21.28	PASS
		12	6	22.53	21.57	PASS
		12	13	22.55	21.65	PASS
		25	0	22.42	21.48	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	22.53	21.85	PASS
		1	24	22.57	21.98	PASS
		1	49	22.37	21.75	PASS
		25	0	22.42	21.50	PASS
		25	12	22.42	21.50	PASS
		25	25	22.33	21.44	PASS
		50	0	22.33	21.43	PASS
	MCH	1	0	22.73	22.11	PASS
		1	24	23.43	22.82	PASS
		1	49	22.79	22.71	PASS
		25	0	22.04	21.24	PASS
		25	12	22.14	21.16	PASS
		25	25	21.85	20.89	PASS
		50	0	21.99	21.02	PASS
	HCH	1	0	22.56	22.01	PASS
		1	24	23.47	22.99	PASS
		1	49	23.84	23.21	PASS
		25	0	22.19	21.24	PASS
		25	12	22.44	21.48	PASS
		25	25	22.49	21.60	PASS
		50	0	22.26	21.35	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	22.30	21.60	PASS
		1	37	22.79	22.10	PASS
		1	74	23.18	22.53	PASS
		37	0	21.92	21.03	PASS
		37	18	22.41	21.52	PASS
		37	38	22.94	22.06	PASS
		75	0	22.44	21.56	PASS
	MCH	1	0	22.81	22.15	PASS
		1	37	23.15	22.56	PASS
		1	74	23.31	22.77	PASS
		37	0	22.22	21.25	PASS
		37	18	21.98	21.11	PASS
		37	38	21.83	20.92	PASS
		75	0	22.00	21.13	PASS
	HCH	1	0	22.91	22.37	PASS
		1	37	22.93	22.40	PASS
		1	74	23.50	22.92	PASS
		37	0	22.04	21.05	PASS
		37	18	22.18	21.27	PASS
		37	38	22.50	21.64	PASS
		75	0	22.23	21.37	PASS

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Conducted Output Power Test Result (Channel Bandwidth: 20 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	21.98	21.11	PASS
		1	49	23.38	22.59	PASS
		1	99	22.26	21.36	PASS
		50	0	22.10	21.18	PASS
		50	25	23.04	22.07	PASS
		50	50	22.63	21.64	PASS
		100	0	22.56	21.67	PASS
	MCH	1	0	22.88	22.09	PASS
		1	49	23.31	21.38	PASS
		1	99	23.03	21.17	PASS
		50	0	22.27	21.37	PASS
		50	25	22.07	21.17	PASS
		50	50	21.81	20.94	PASS
		100	0	22.10	21.18	PASS
	HCH	1	0	22.90	21.63	PASS
		1	49	23.30	21.99	PASS
		1	99	23.28	22.39	PASS
		50	0	21.90	20.97	PASS
		50	25	22.03	21.08	PASS
		50	50	22.26	21.19	PASS
		100	0	22.13	21.04	PASS

D.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	5.25	<13	PASS
	MCH	5.32	<13	PASS
	HCH	5.16	<13	PASS
16QAM	LCH	6.01	<13	PASS
	MCH	6.1	<13	PASS
	HCH	6	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.26	<13	PASS
	MCH	5.34	<13	PASS
	HCH	5.27	<13	PASS
16QAM	LCH	6.15	<13	PASS
	MCH	6.17	<13	PASS
	HCH	6.09	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.29	<13	PASS
	MCH	5.33	<13	PASS
	HCH	5.26	<13	PASS
16QAM	LCH	6.11	<13	PASS
	MCH	6.13	<13	PASS
	HCH	6.06	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.48	<13	PASS
	MCH	5.26	<13	PASS
	HCH	5.35	<13	PASS
16QAM	LCH	6.12	<13	PASS
	MCH	6.01	<13	PASS
	HCH	6.02	<13	PASS

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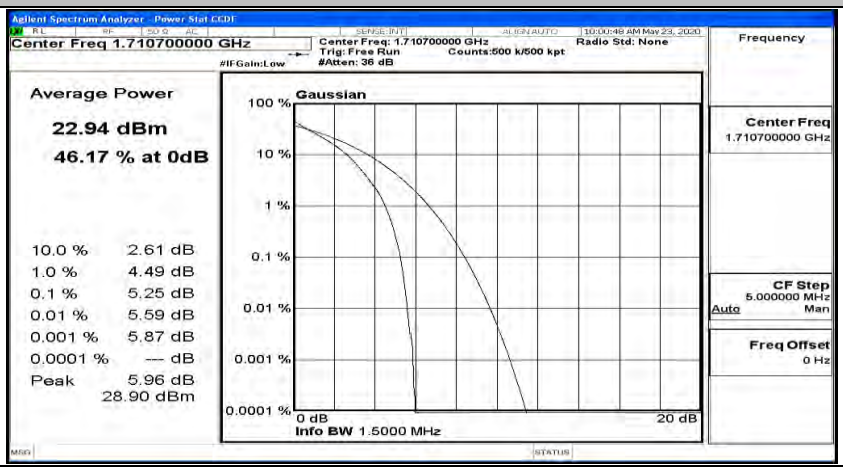
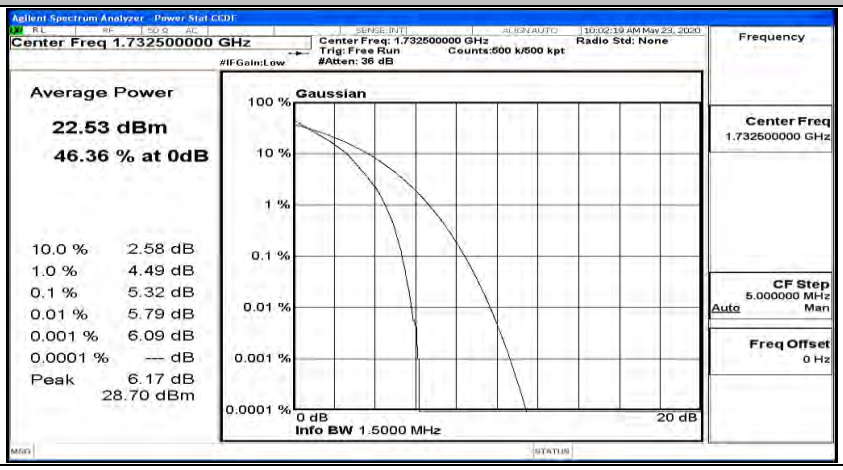
Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	10.35	<13	PASS
	MCH	5.05	<13	PASS
	HCH	5.02	<13	PASS
16QAM	LCH	6.23	<13	PASS
	MCH	6.22	<13	PASS
	HCH	4.38	<13	PASS

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	5.73	<13	PASS
	HCH	5.82	<13	PASS
16QAM	LCH	6.73	<13	PASS
	MCH	6.69	<13	PASS
	HCH	6.67	<13	PASS

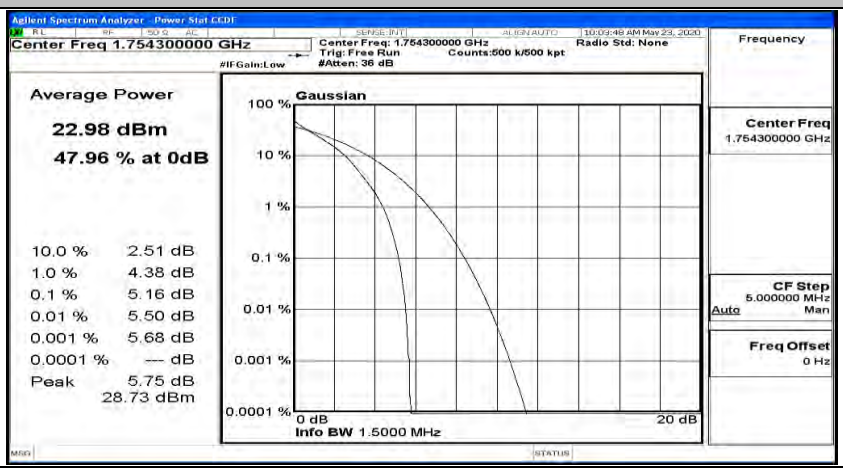
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



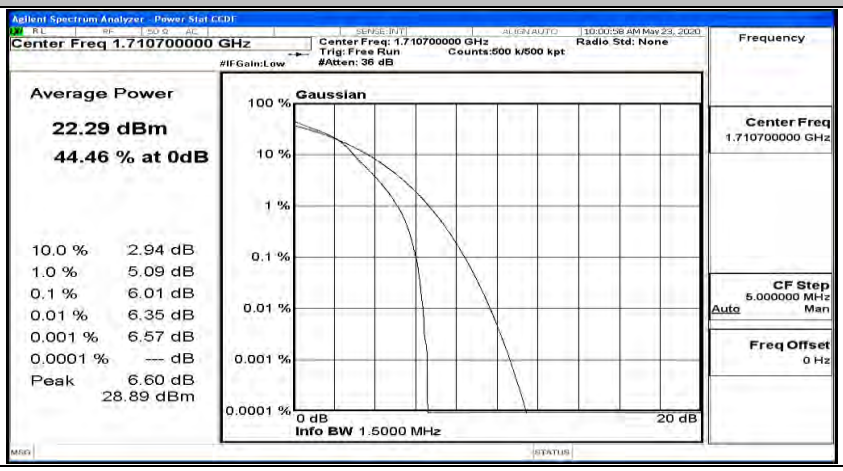
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



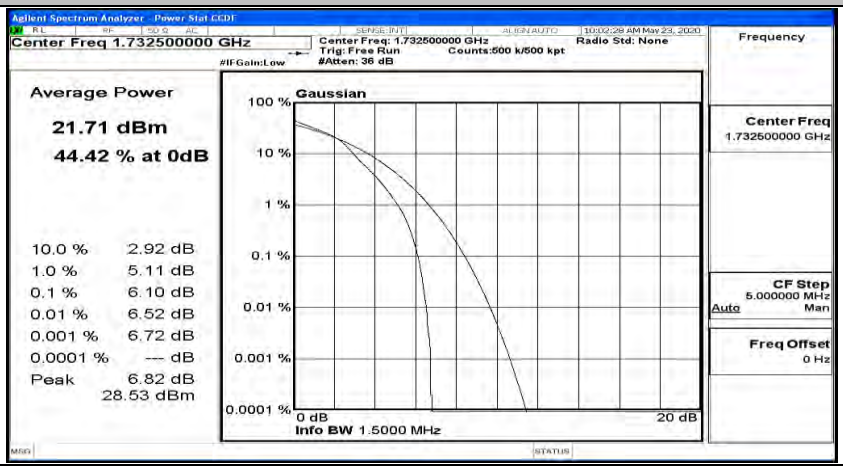
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



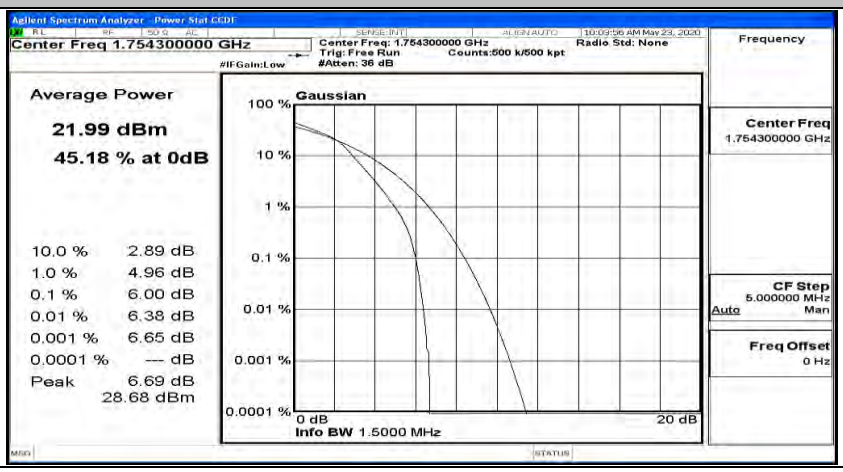
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



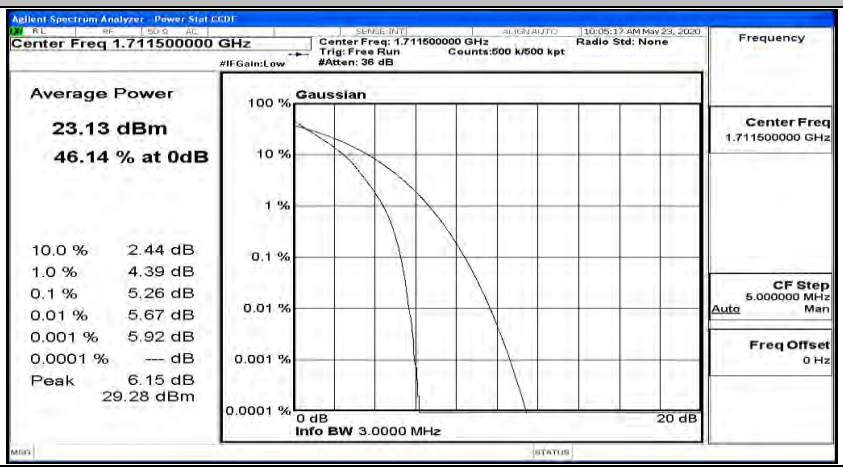
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



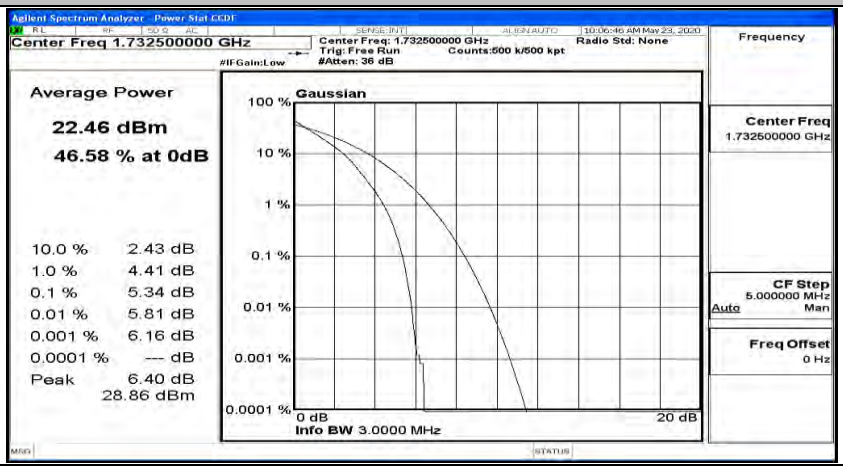
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



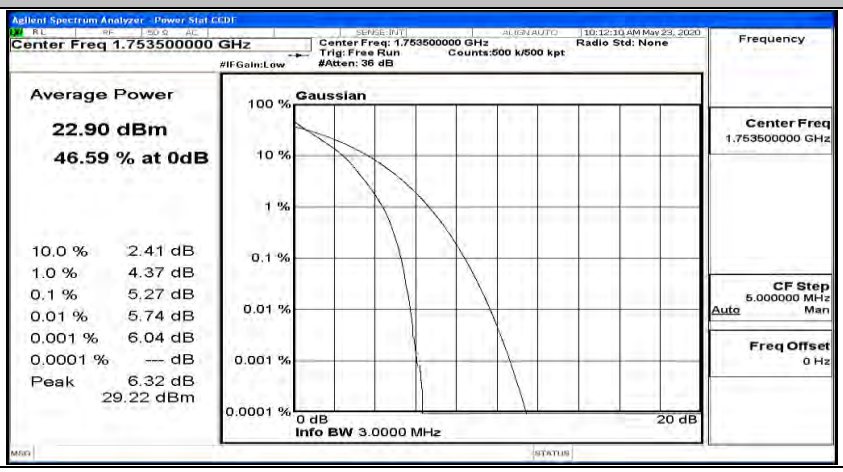
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



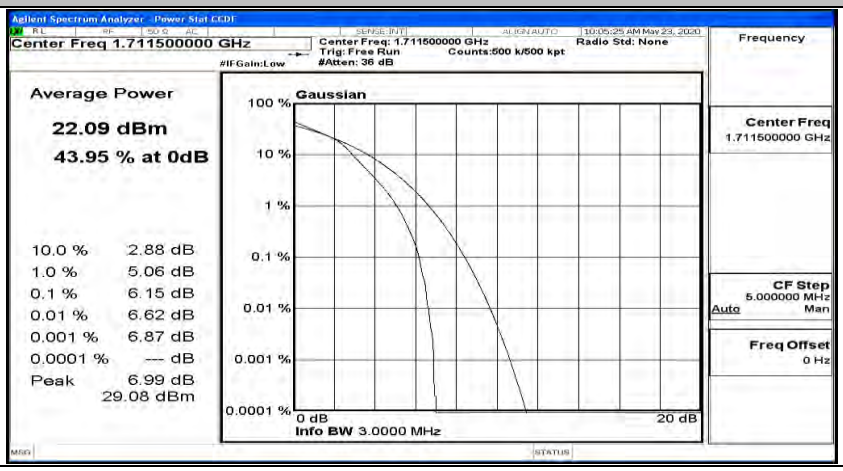
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



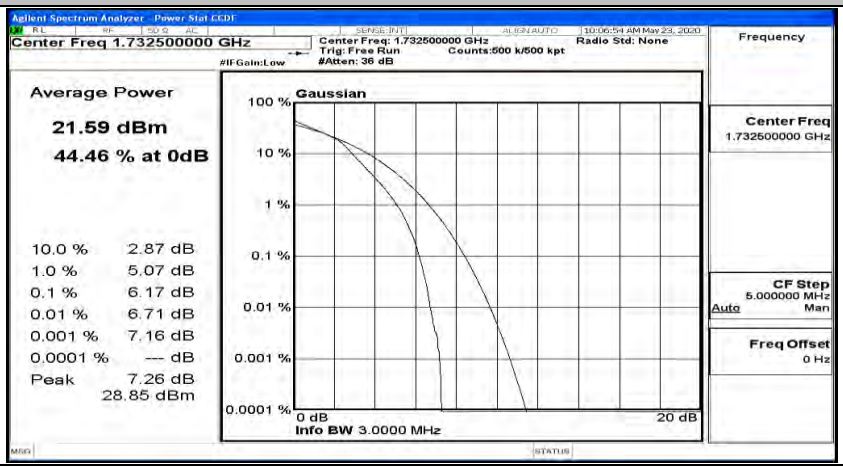
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



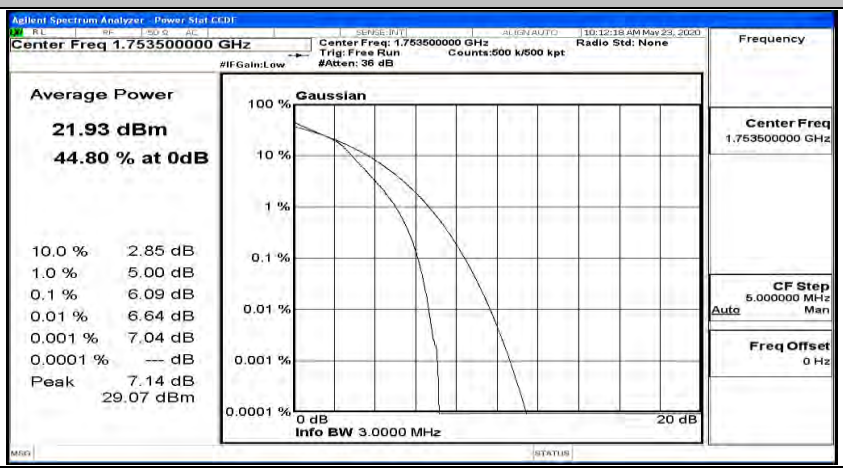
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



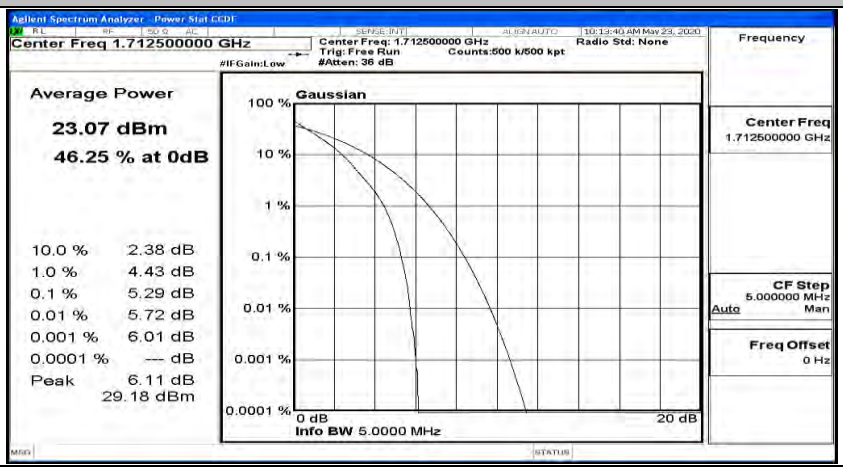
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



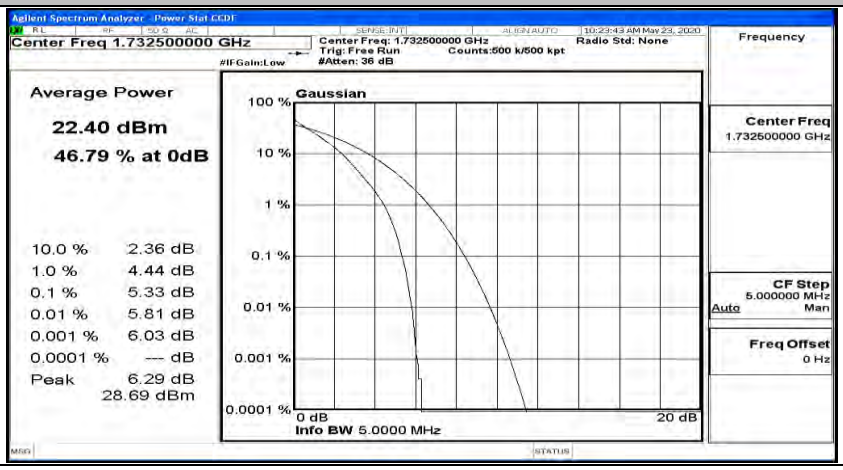
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



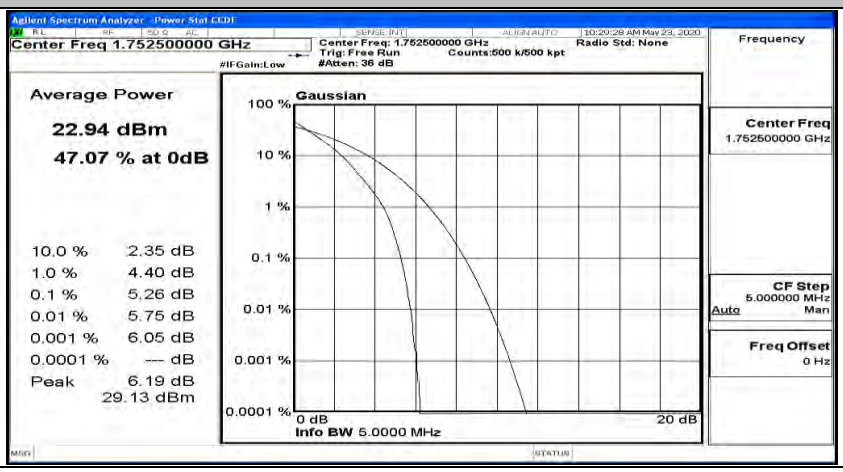
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



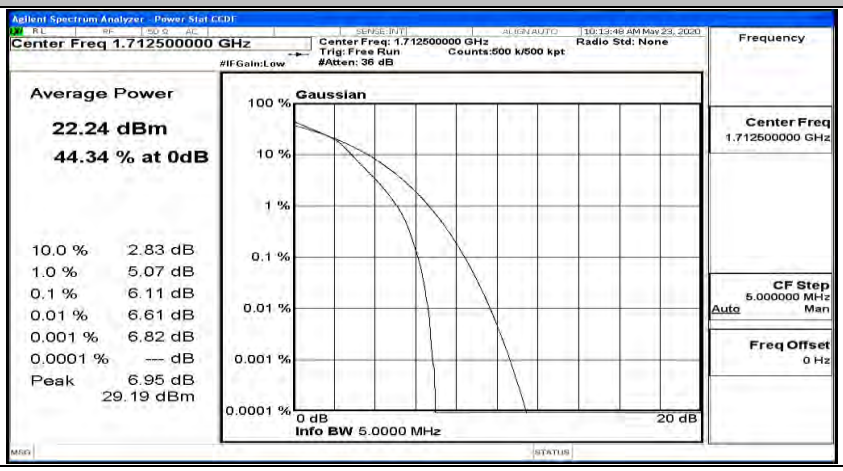
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



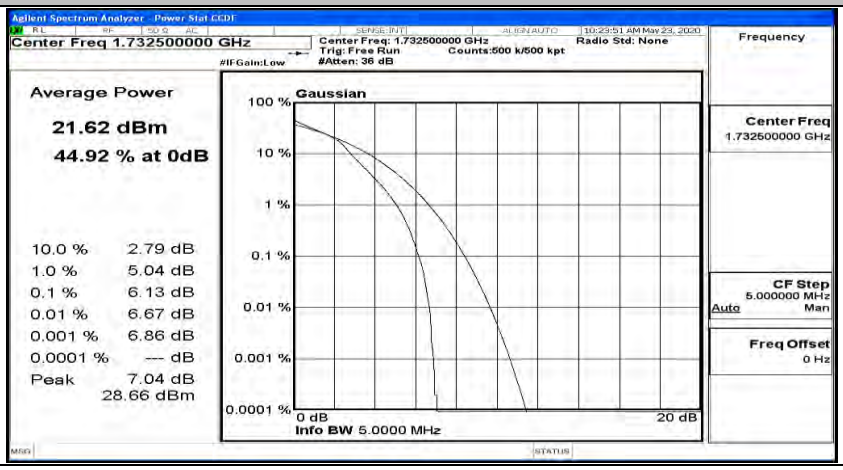
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



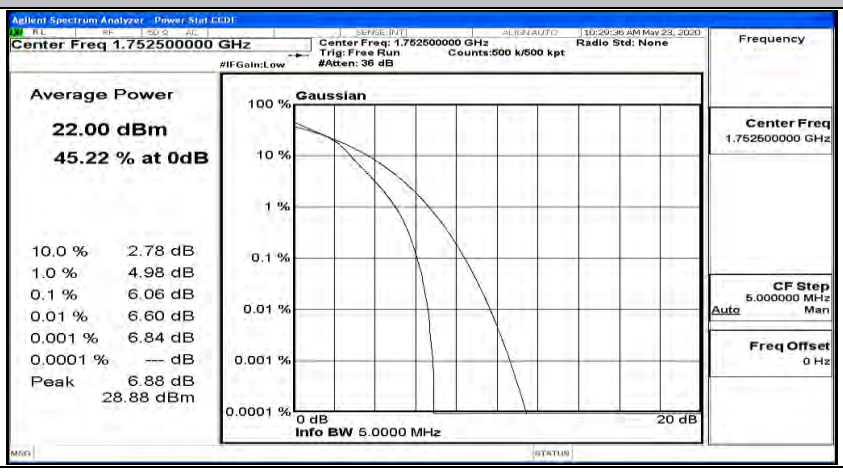
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



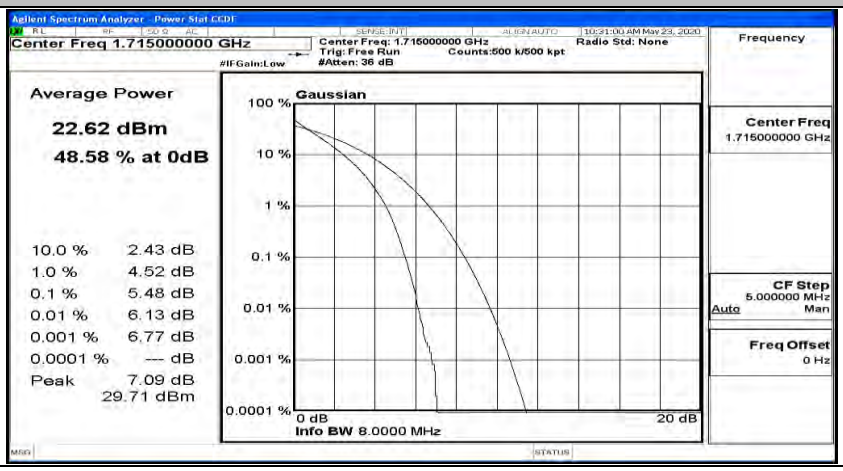
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



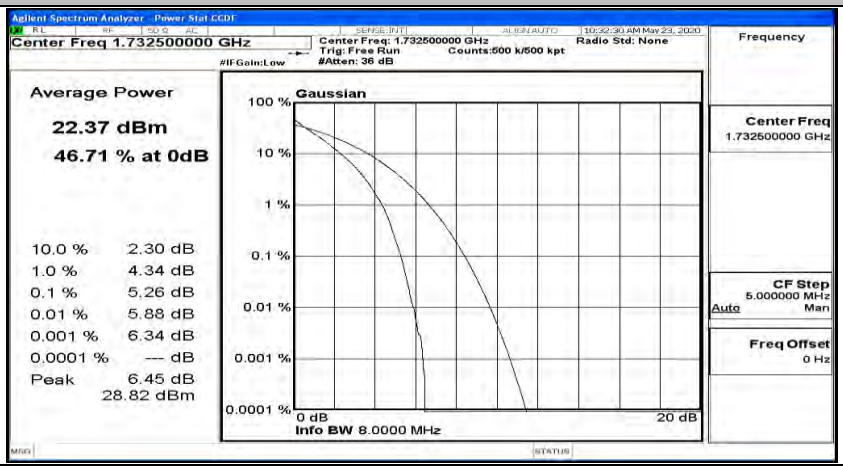
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



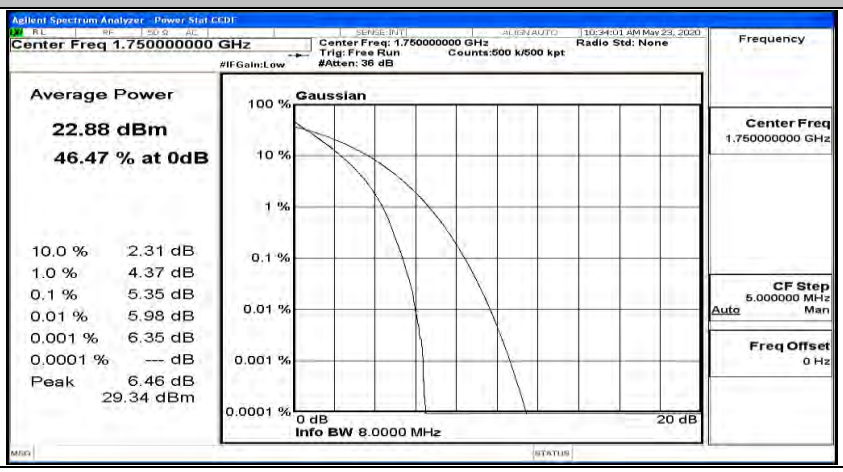
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



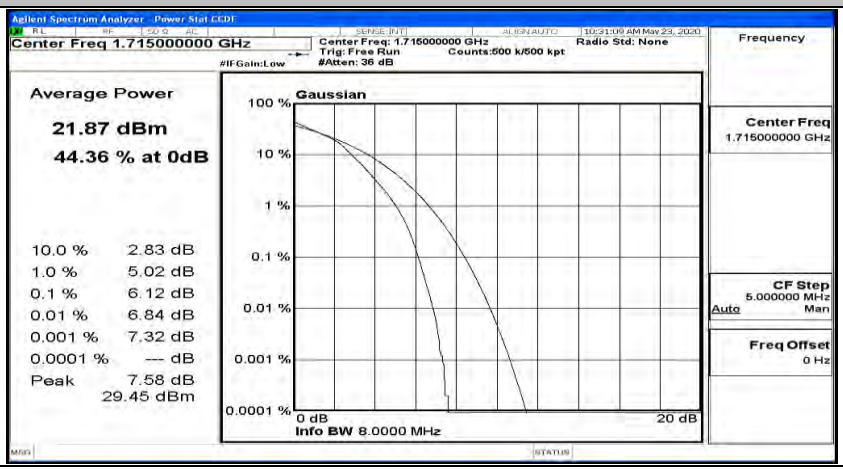
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



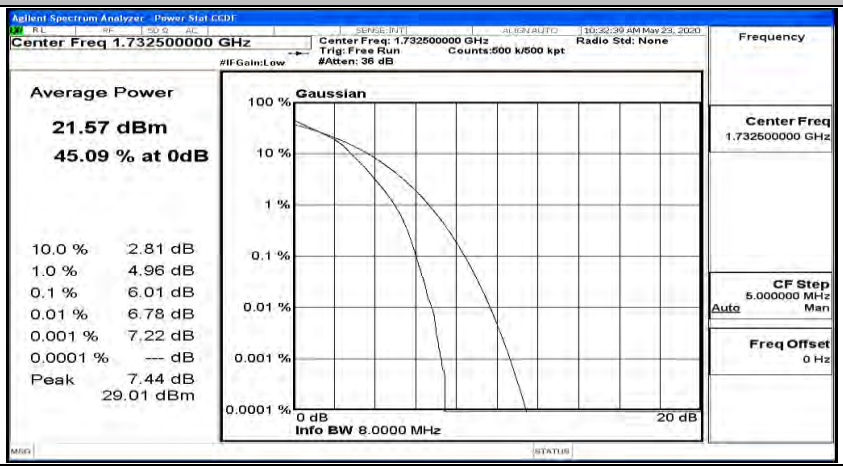
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



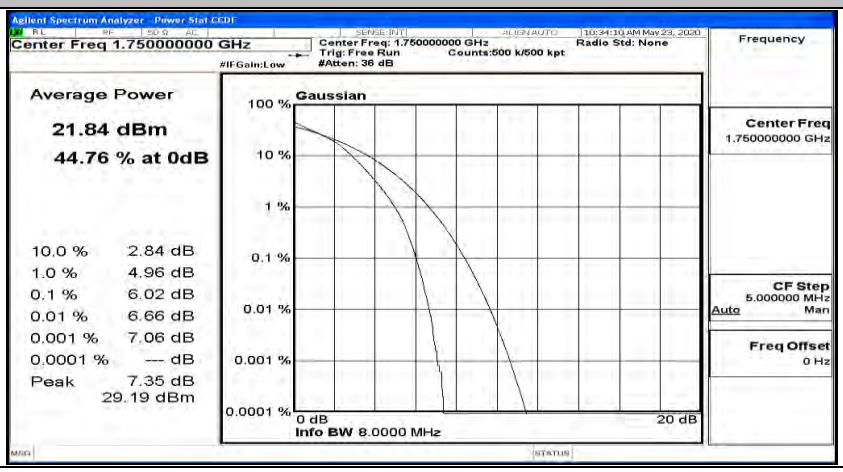
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



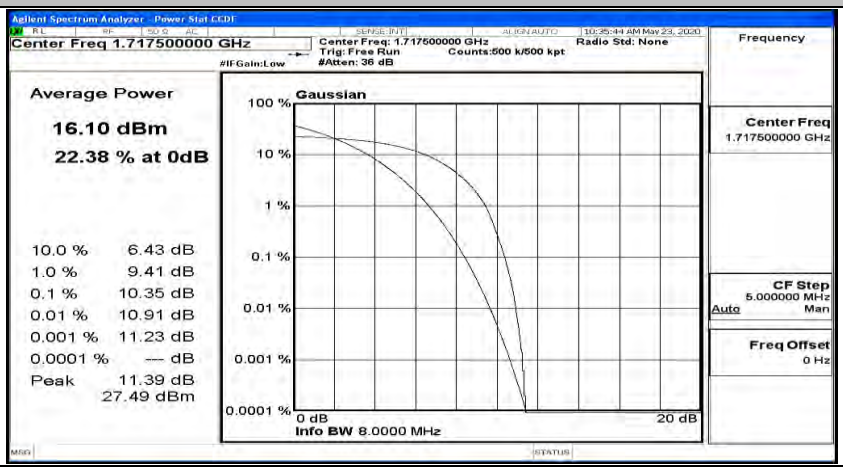
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



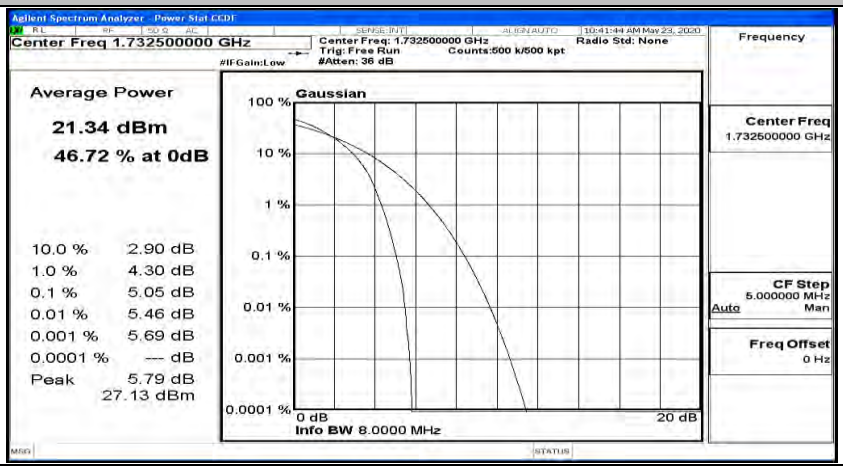
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



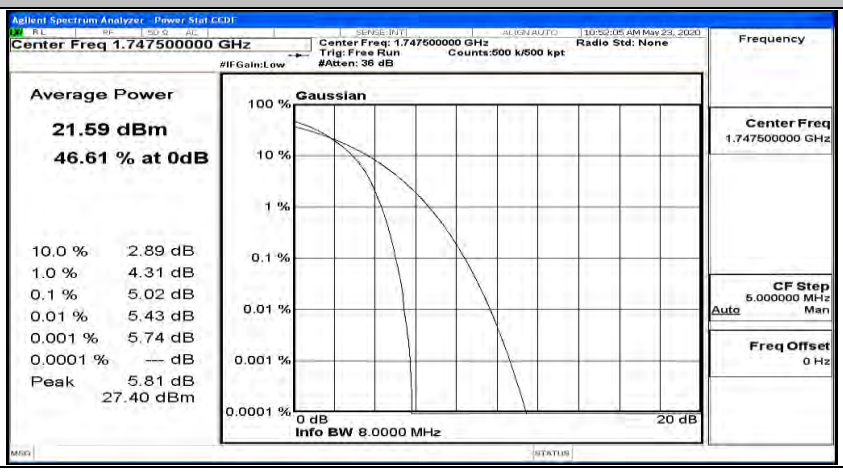
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



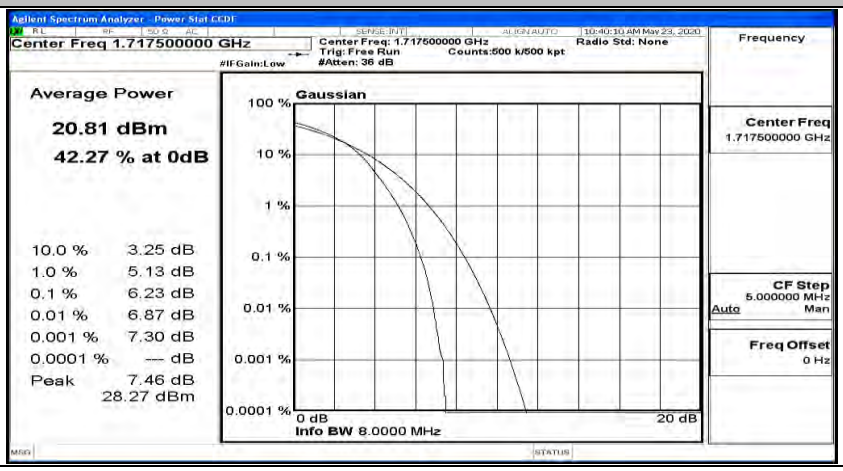
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK



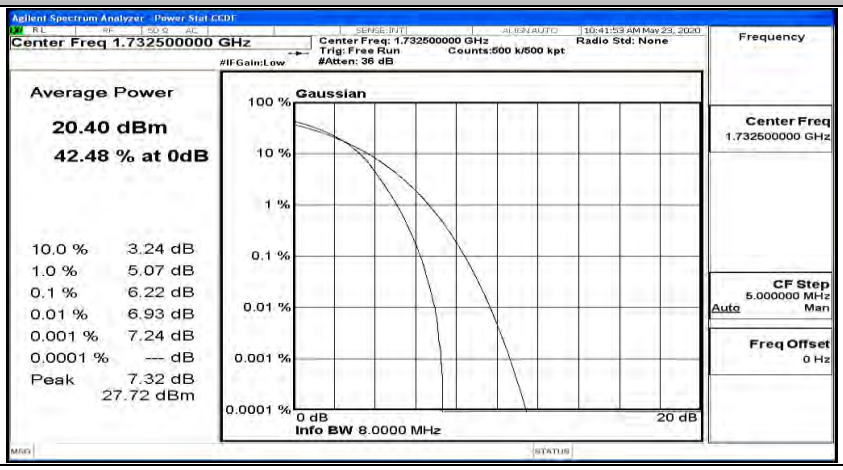
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



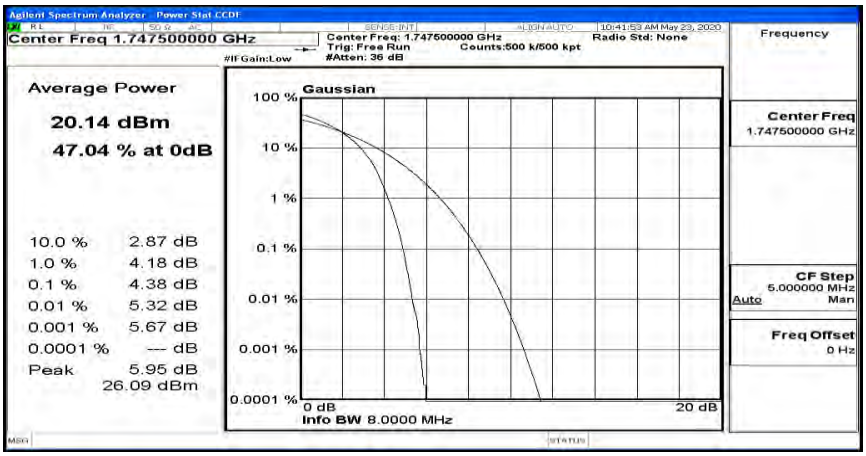
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



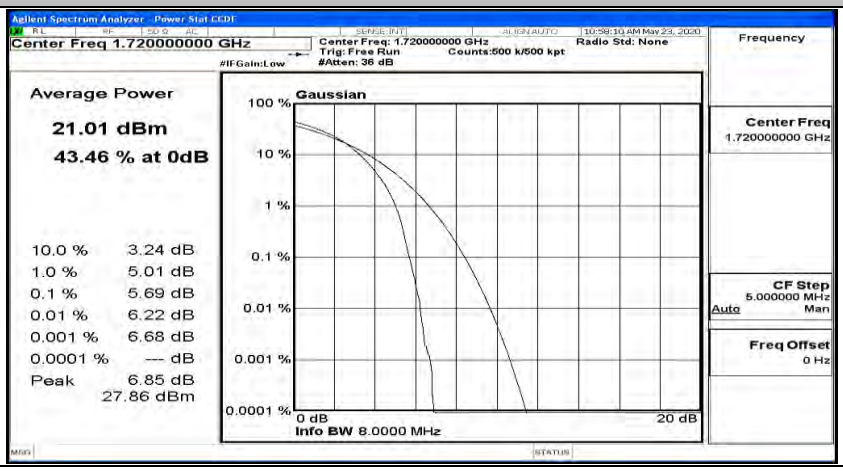
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM



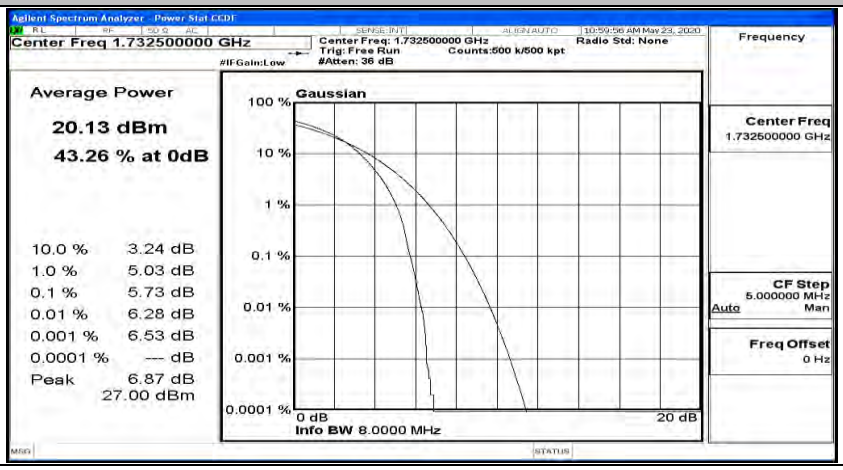
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



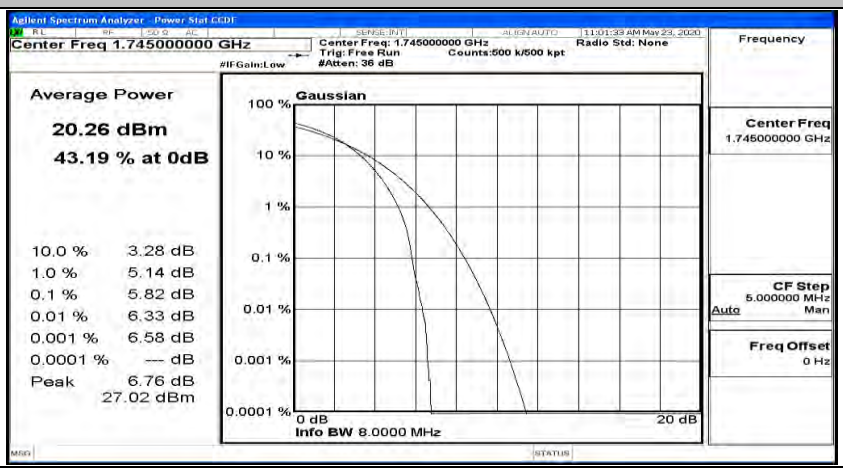
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



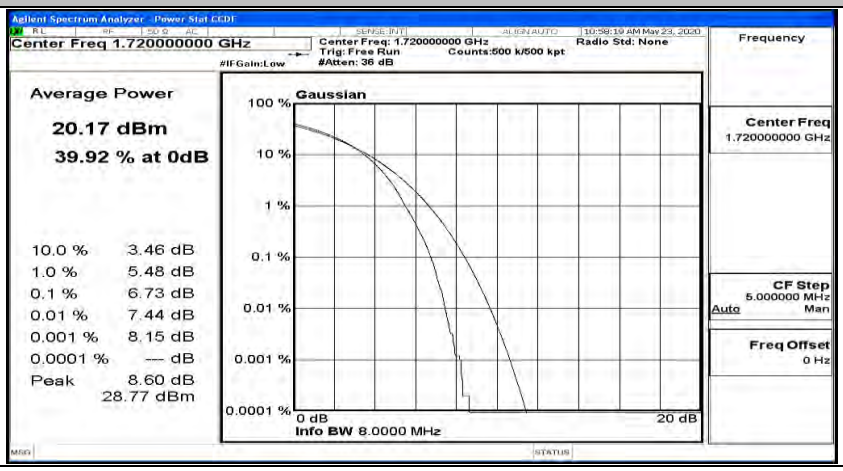
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK



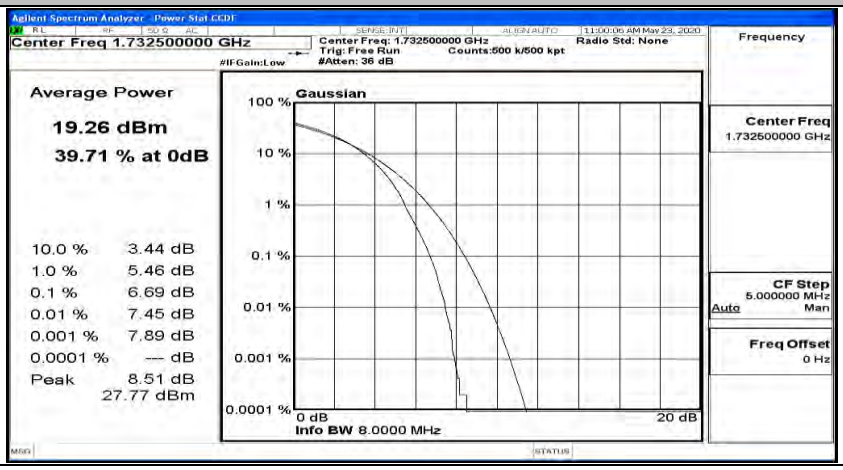
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



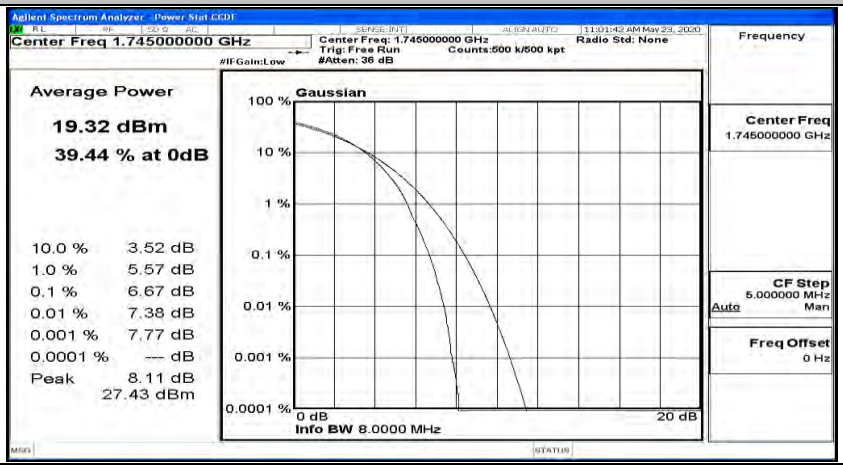
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM



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



D.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	1.0770	1.232	PASS
	MCH	1.0762	1.227	PASS
	HCH	1.0793	1.235	PASS
16QAM	LCH	1.0793	1.244	PASS
	MCH	1.0785	1.234	PASS
	HCH	1.0771	1.221	PASS

EBW & OBW Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	2.6813	2.881	PASS
	MCH	2.6855	2.887	PASS
	HCH	2.6840	2.891	PASS
16QAM	LCH	2.6887	2.885	PASS
	MCH	2.6804	2.868	PASS
	HCH	2.6826	2.896	PASS

EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4734	4.777	PASS
	MCH	4.4688	4.780	PASS
	HCH	4.4666	4.822	PASS
16QAM	LCH	4.4763	4.804	PASS
	MCH	4.4795	4.835	PASS
	HCH	4.4838	4.819	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9276	9.487	PASS
	MCH	8.9387	9.455	PASS
	HCH	8.9250	9.507	PASS
16QAM	LCH	8.9389	9.472	PASS
	MCH	8.9319	9.485	PASS
	HCH	8.9322	9.414	PASS

EBW & OBW Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	13.386	13.99	PASS
	MCH	13.398	14.04	PASS
	HCH	13.395	14.08	PASS
16QAM	LCH	13.401	14.02	PASS
	MCH	13.396	14.00	PASS
	HCH	13.393	14.09	PASS

EBW & OBW Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	17.809	18.53	PASS
	MCH	17.846	18.56	PASS
	HCH	17.850	18.57	PASS
16QAM	LCH	17.821	18.53	PASS
	MCH	17.852	18.61	PASS
	HCH	17.835	18.67	PASS

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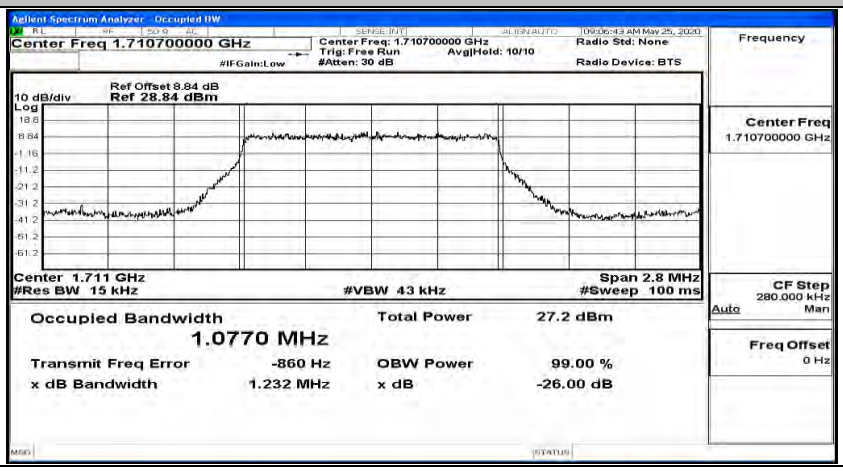
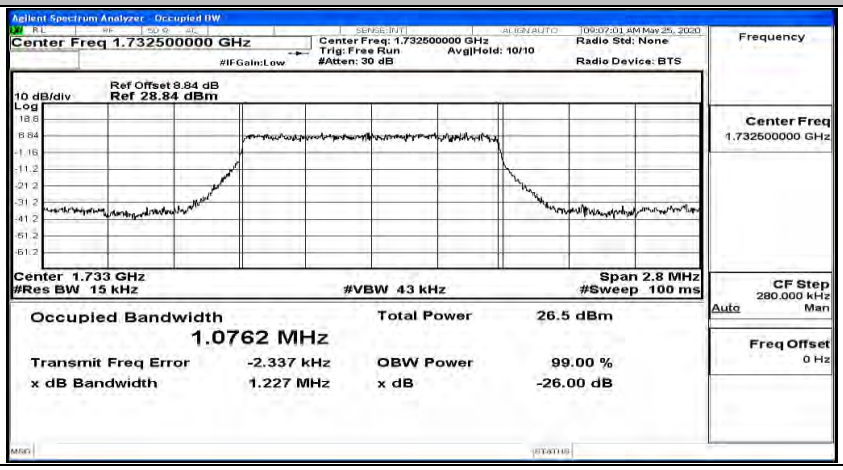
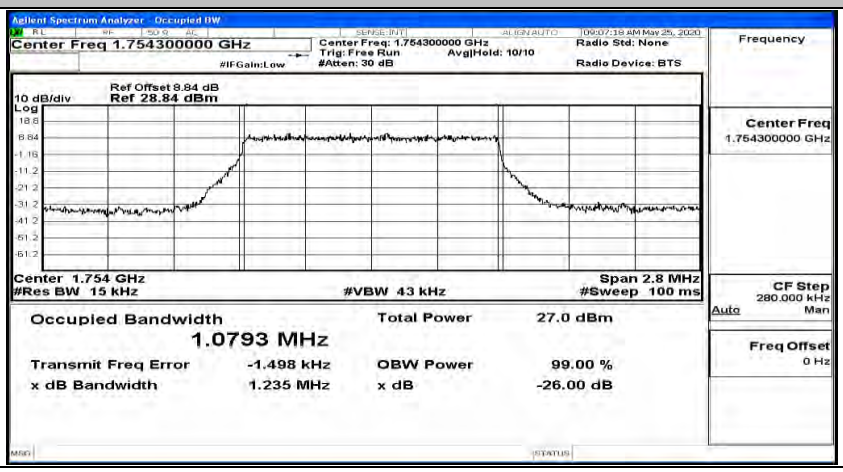
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



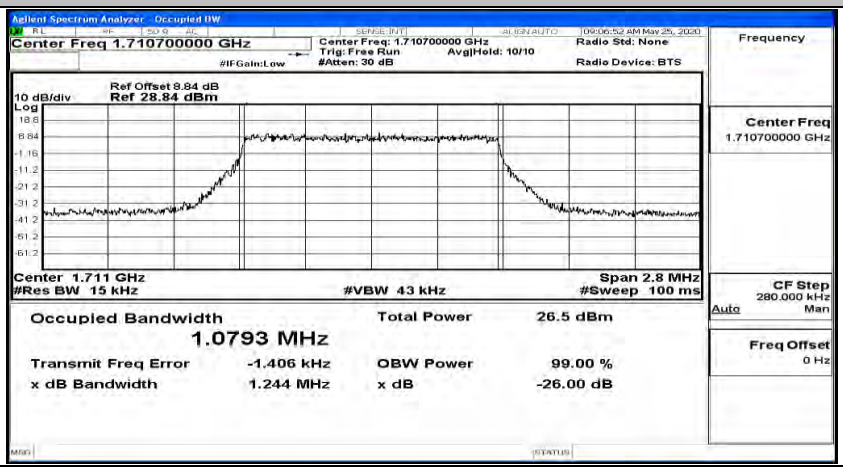
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



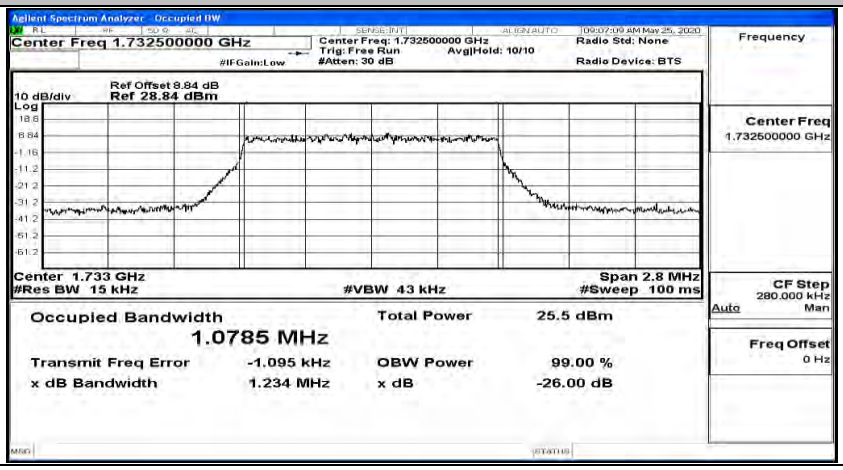
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



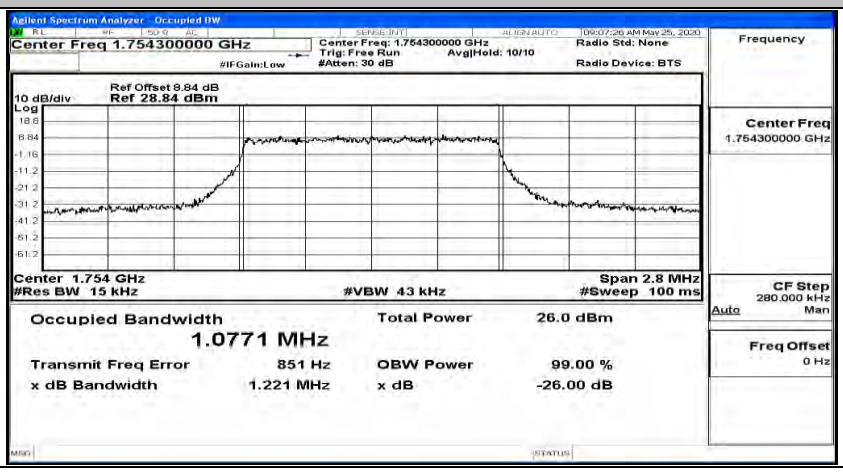
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



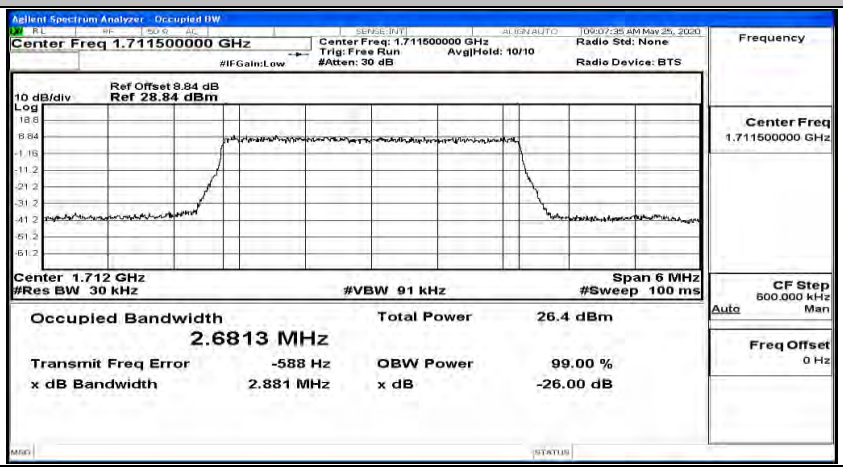
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



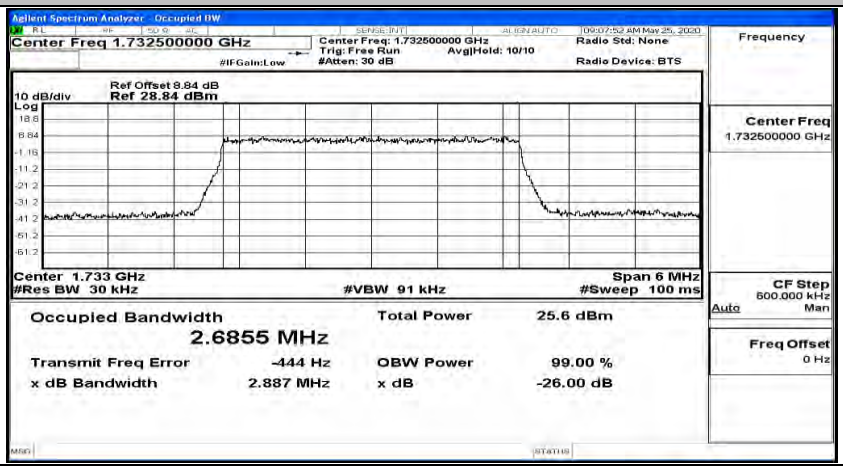
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



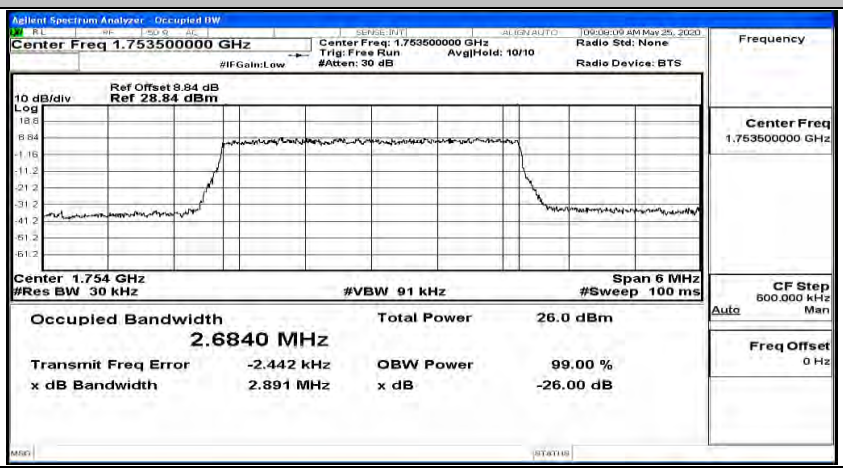
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



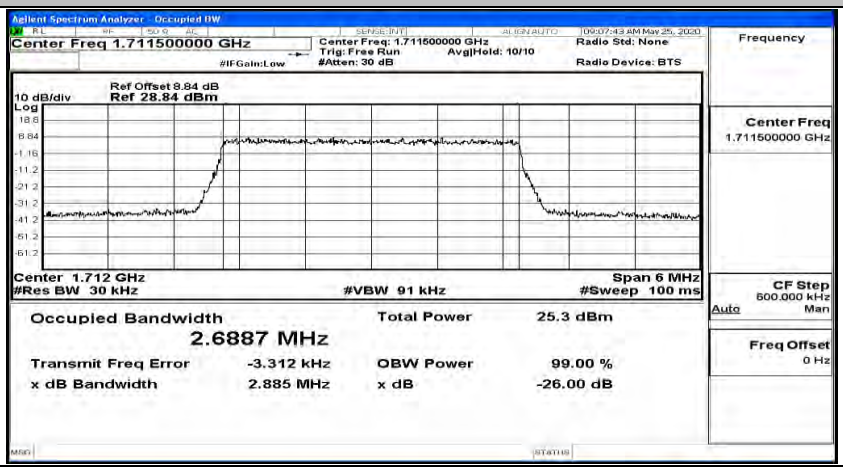
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



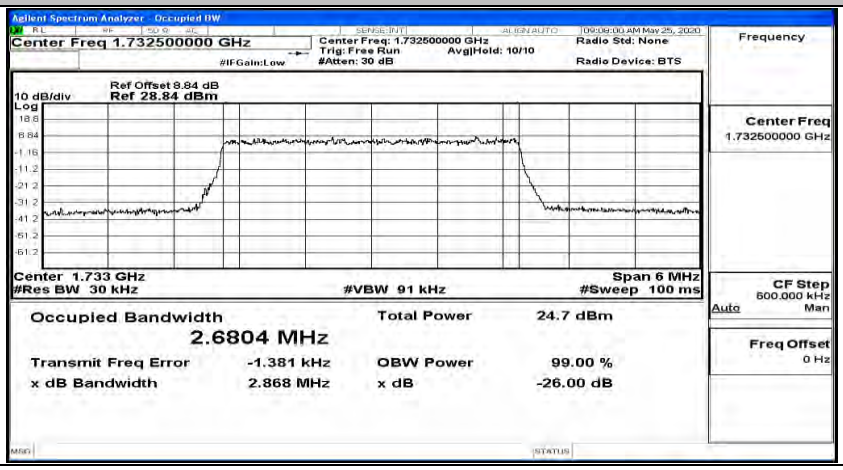
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



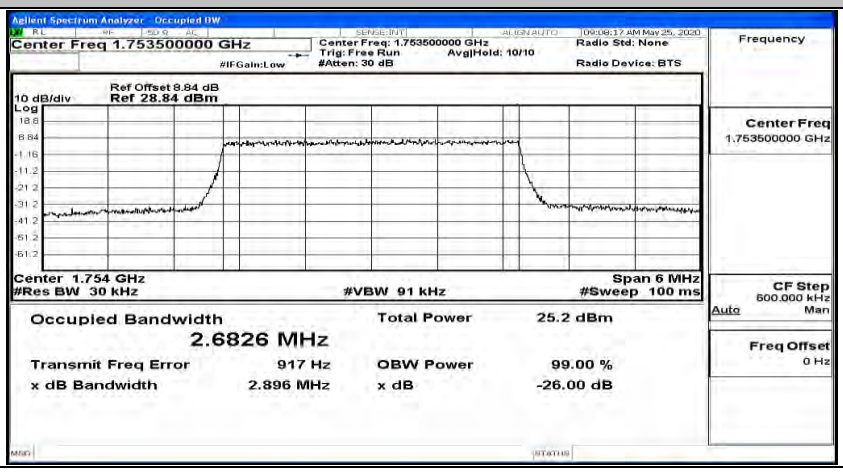
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



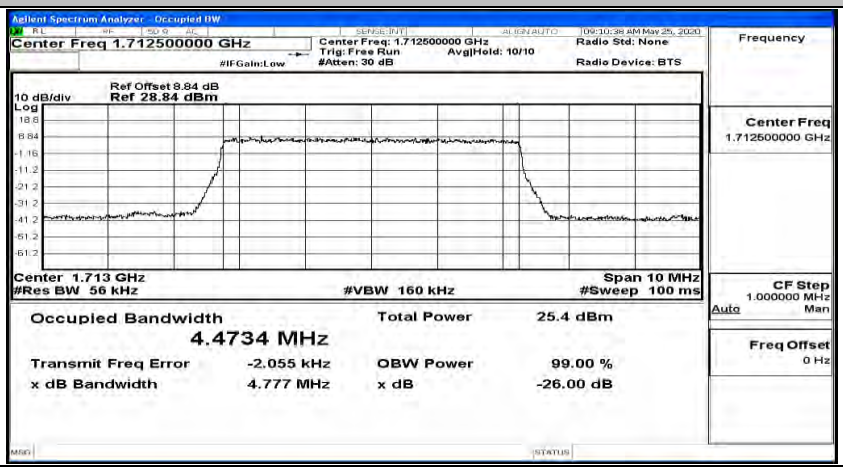
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



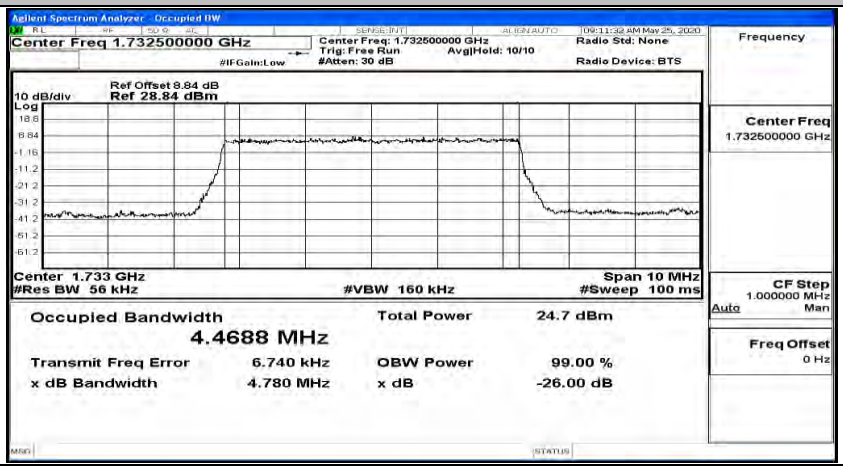
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



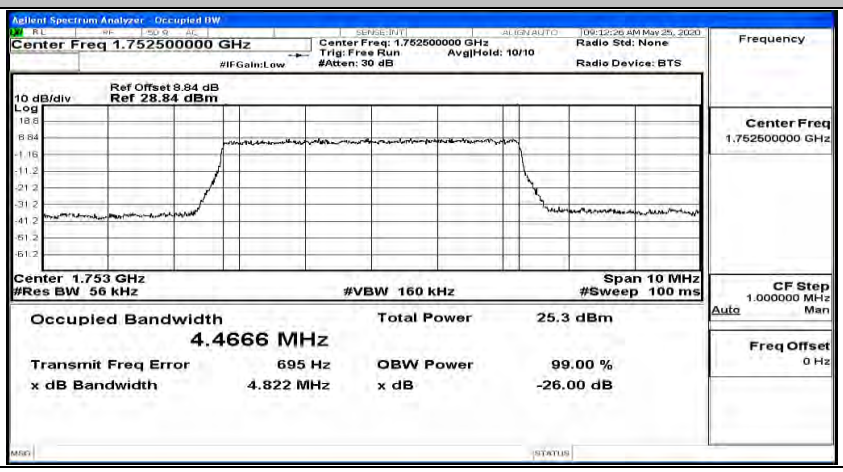
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



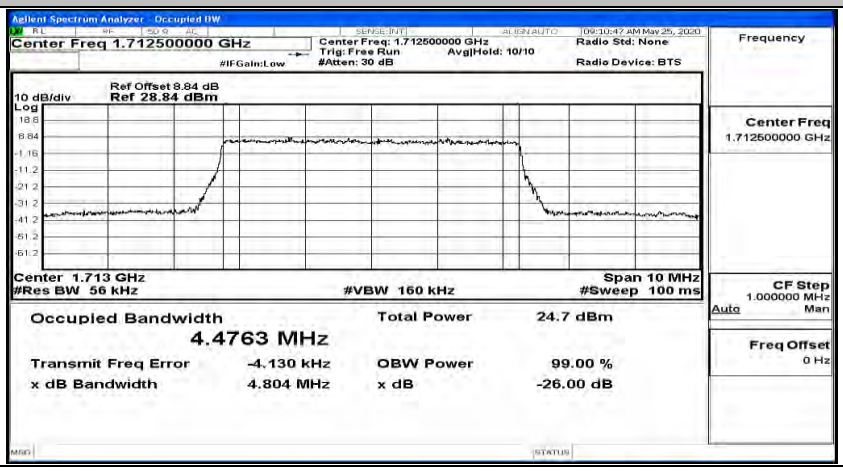
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



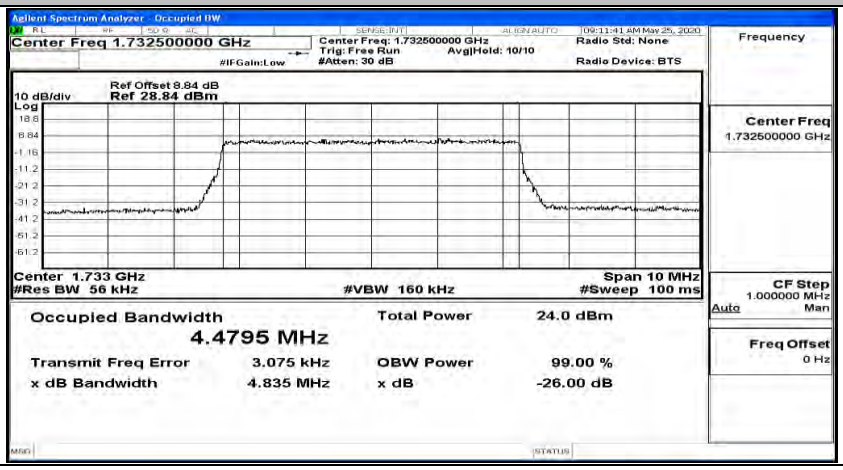
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



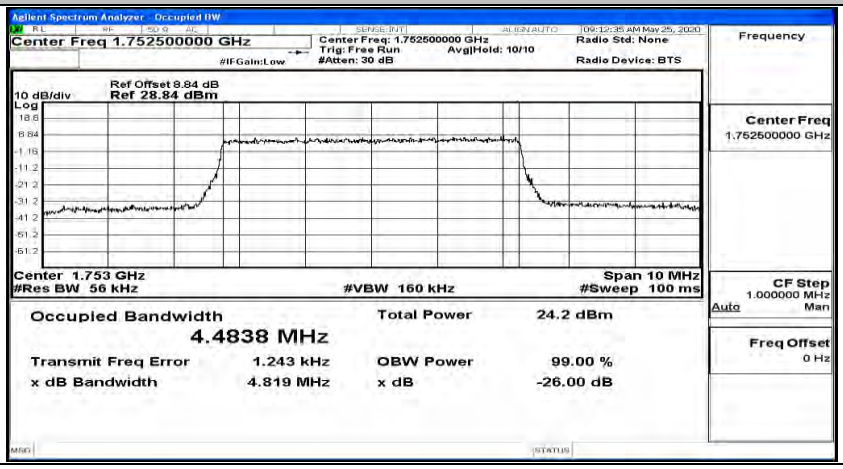
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



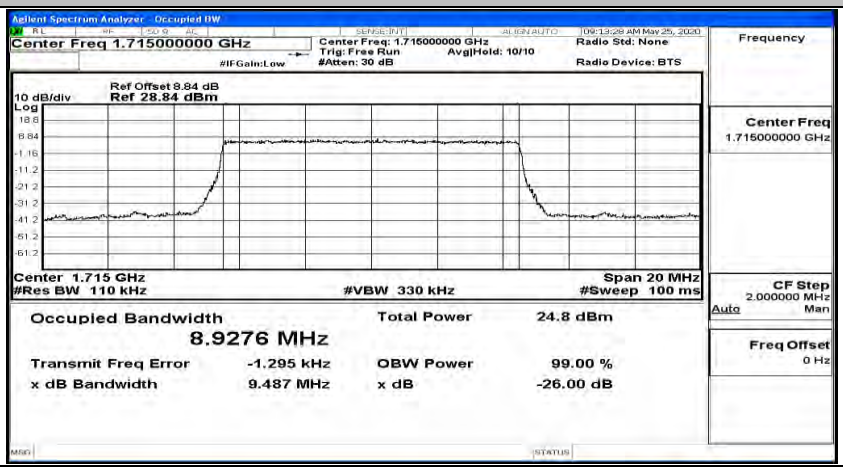
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



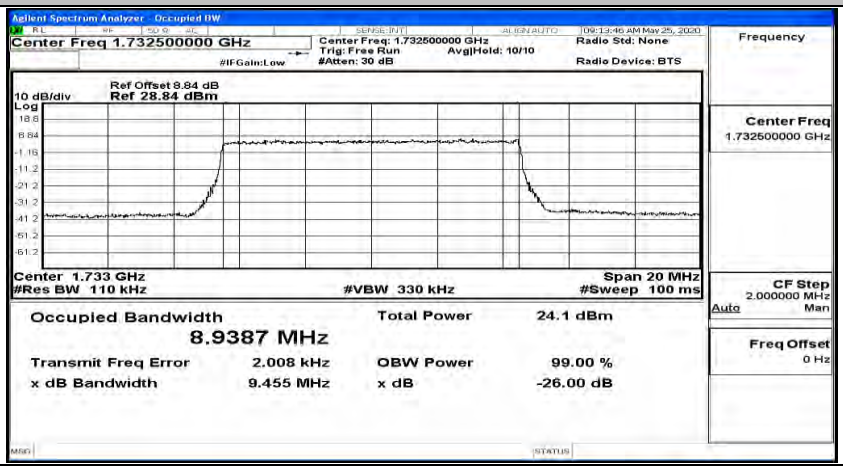
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



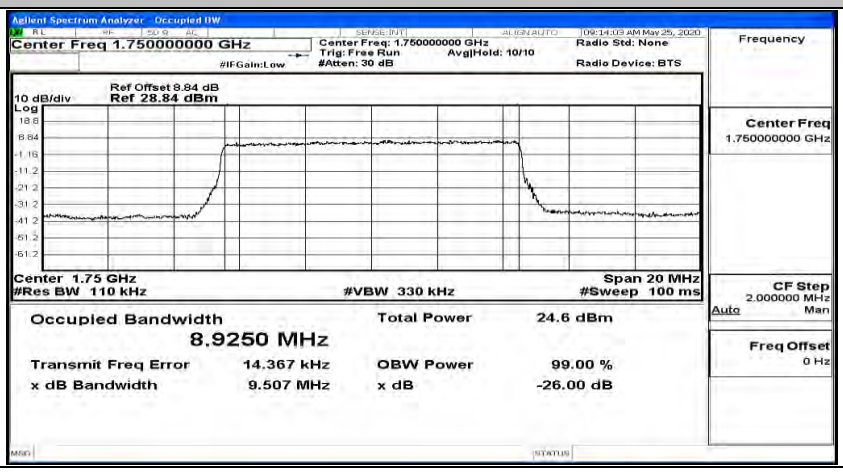
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



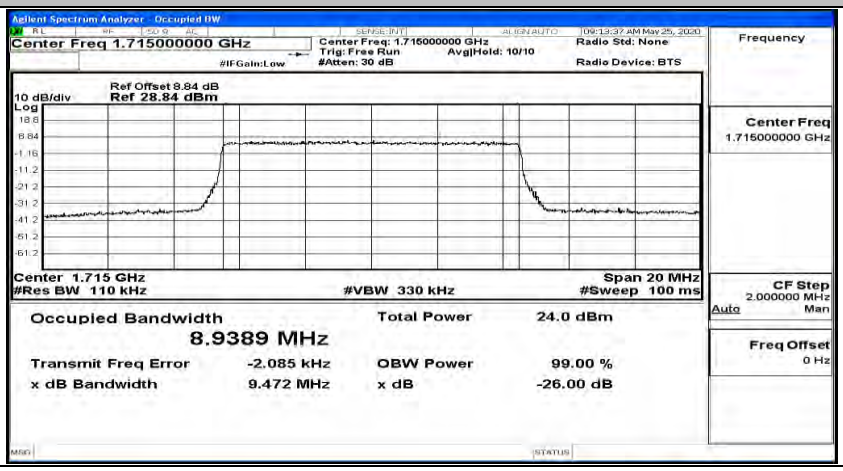
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



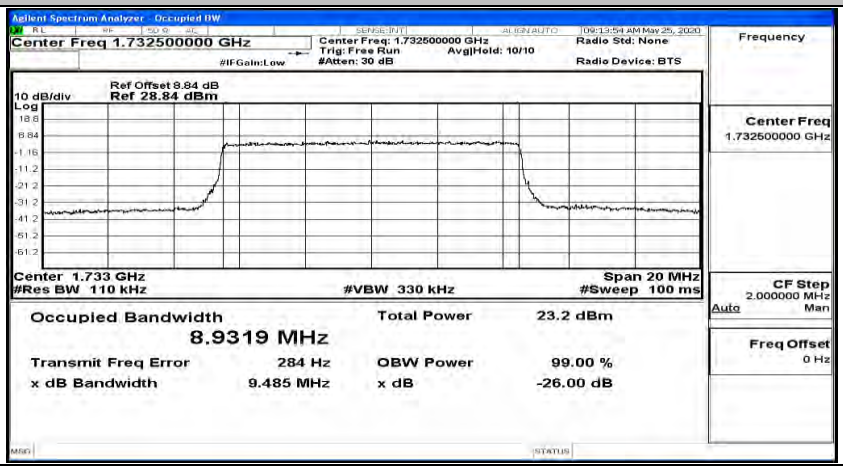
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



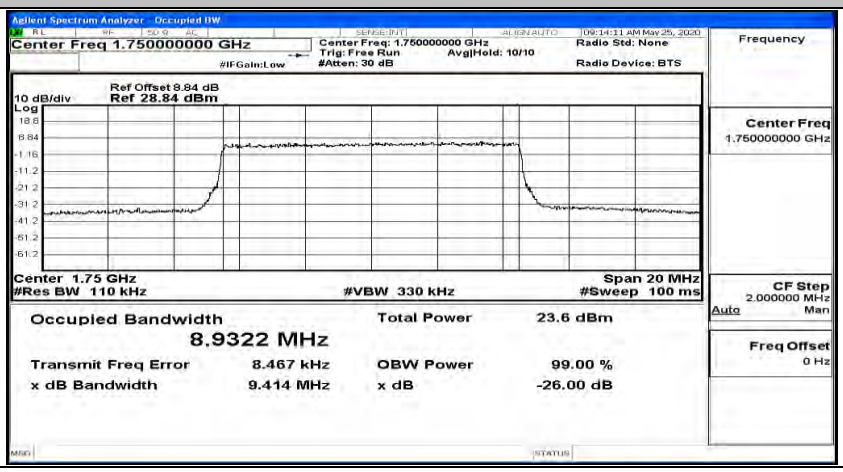
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



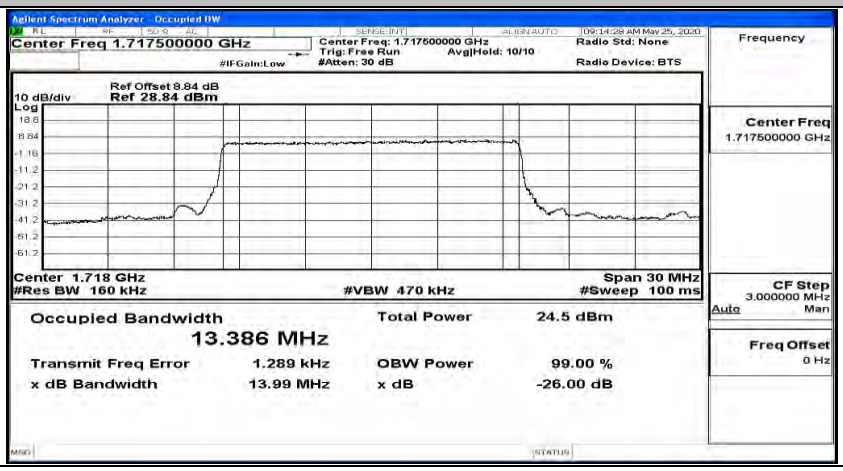
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



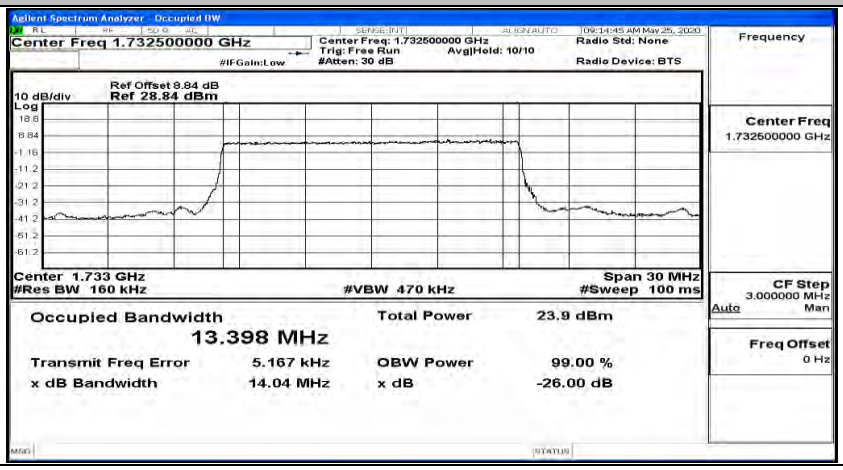
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



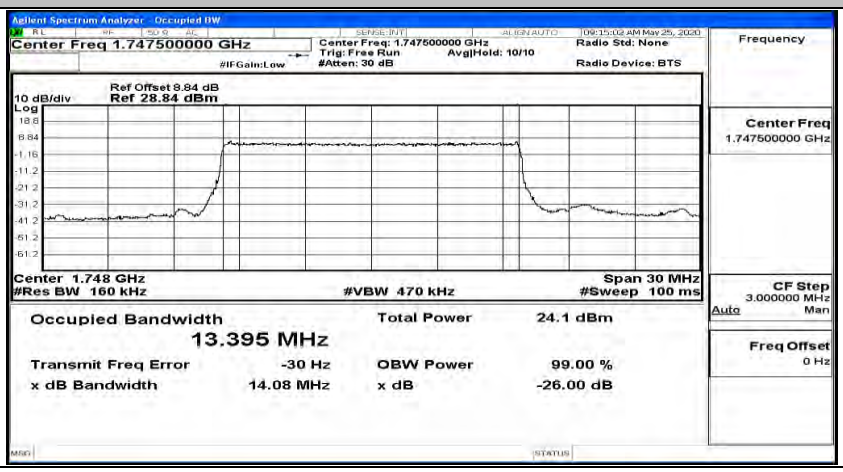
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



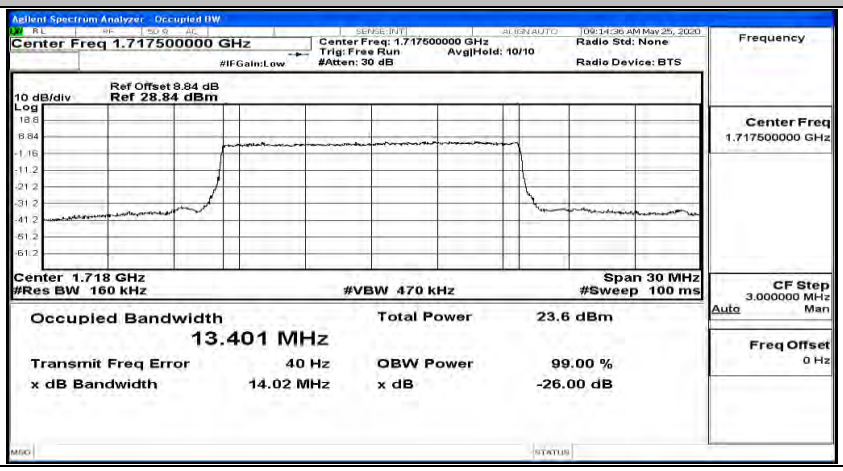
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK



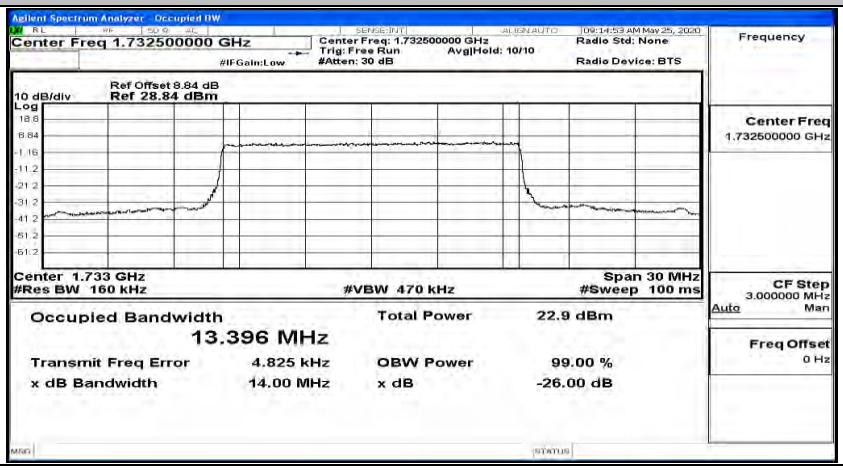
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



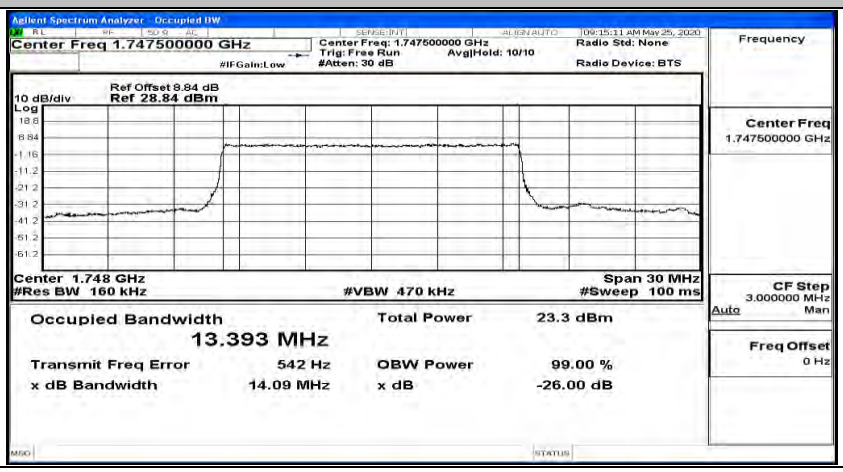
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



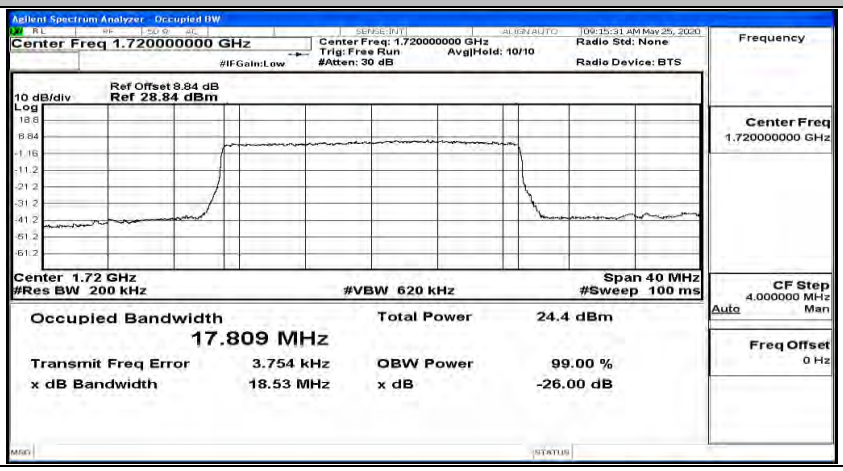
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM



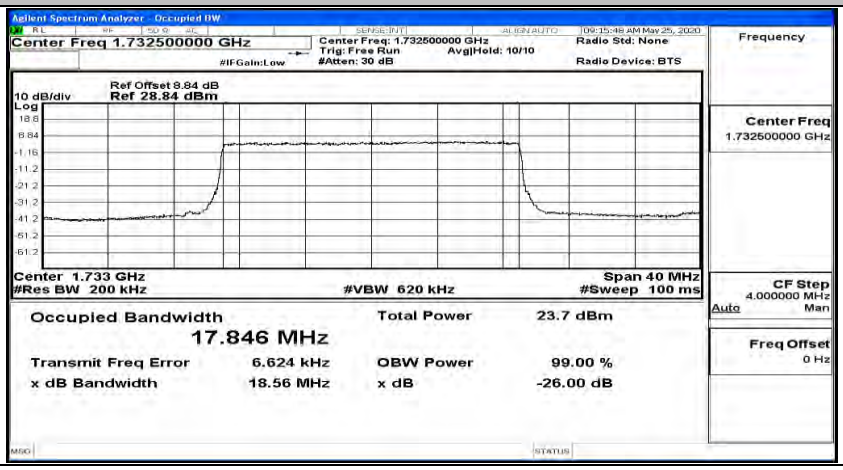
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



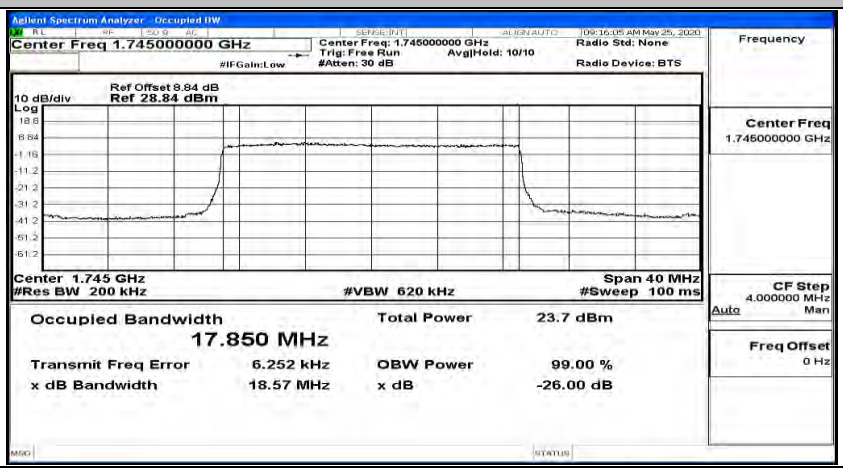
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



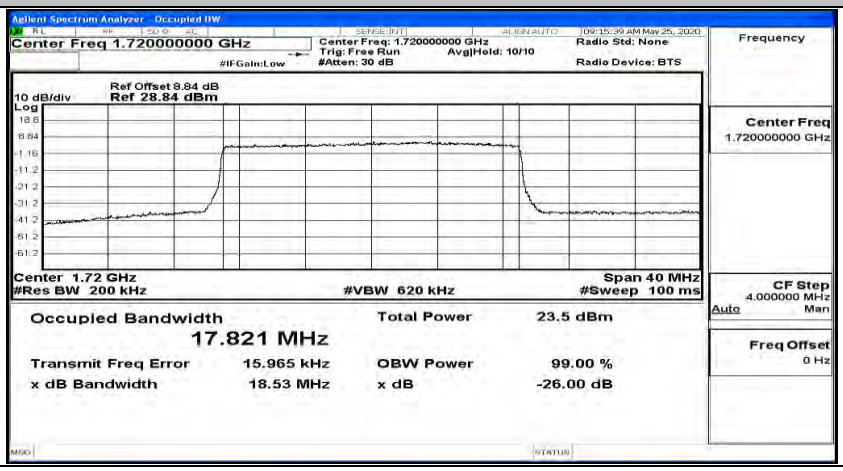
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK



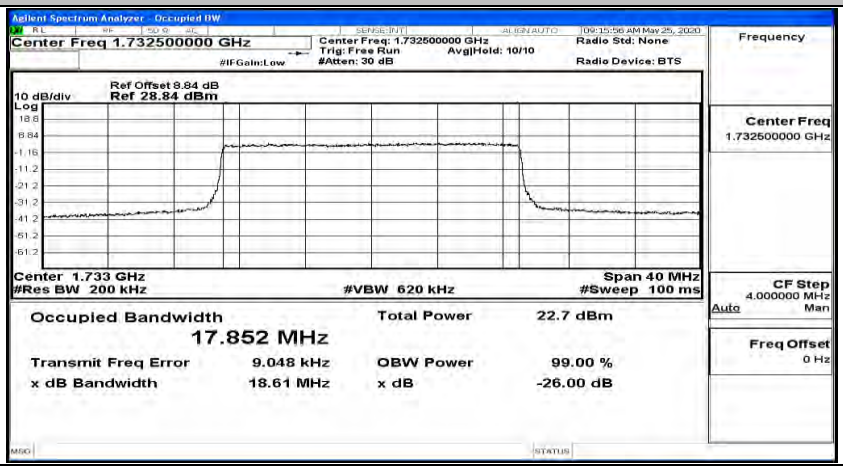
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



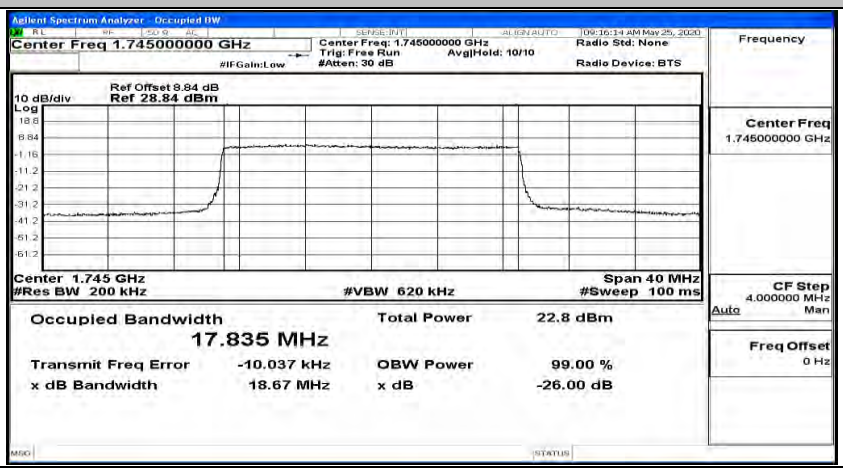
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM



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

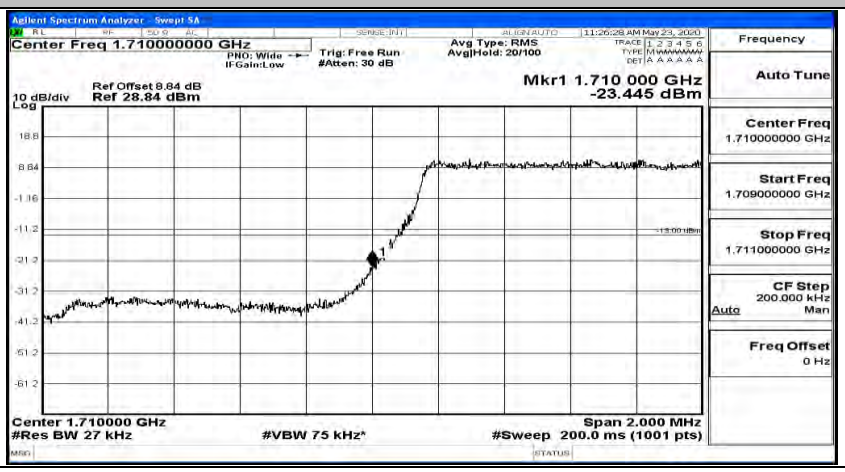


EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM

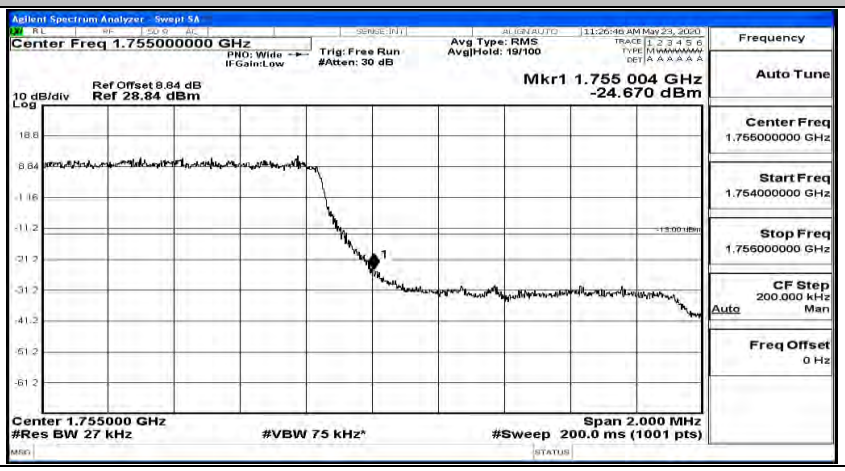


D.4 Band Edge

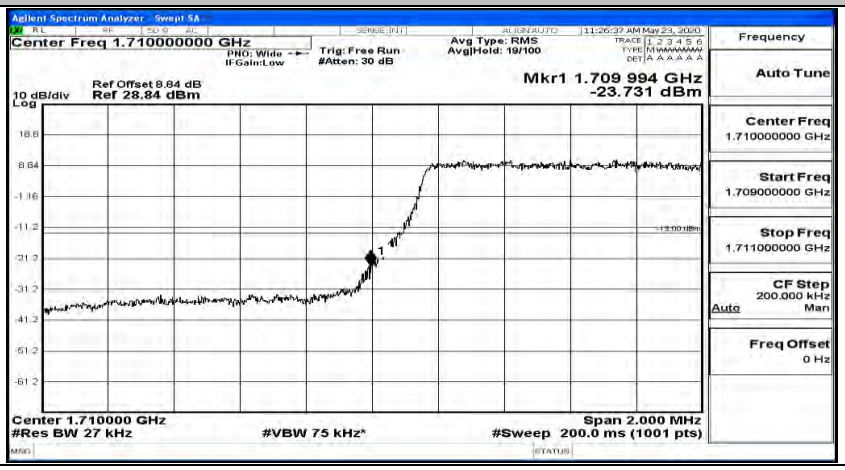
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



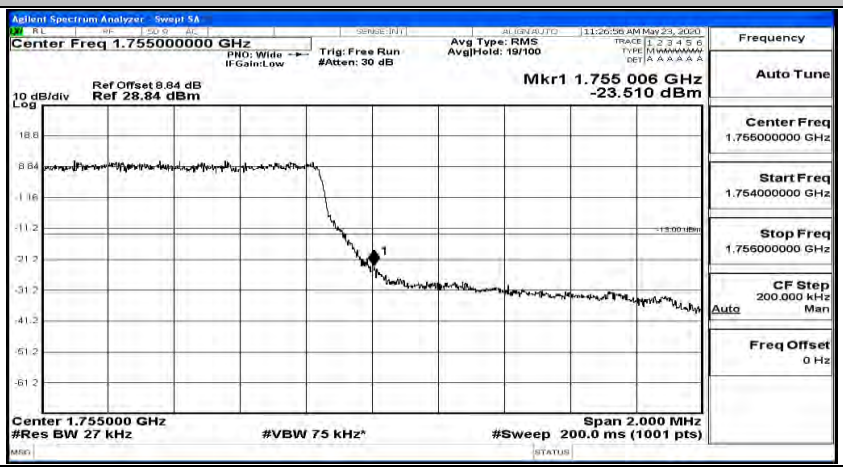
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



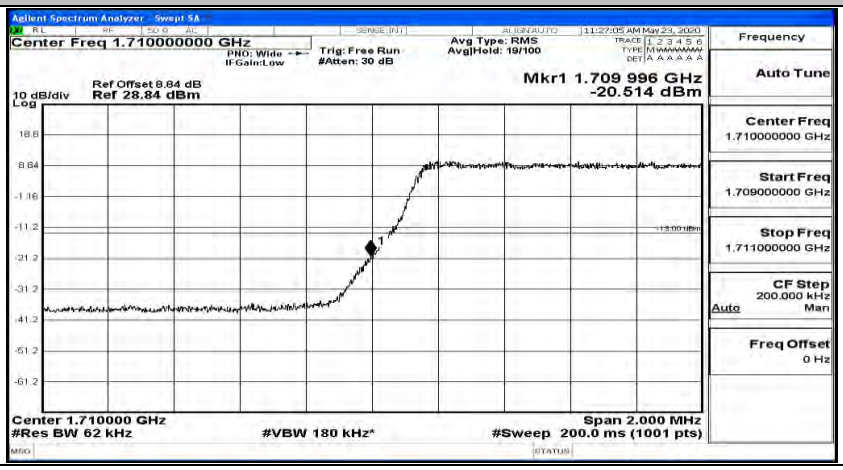
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



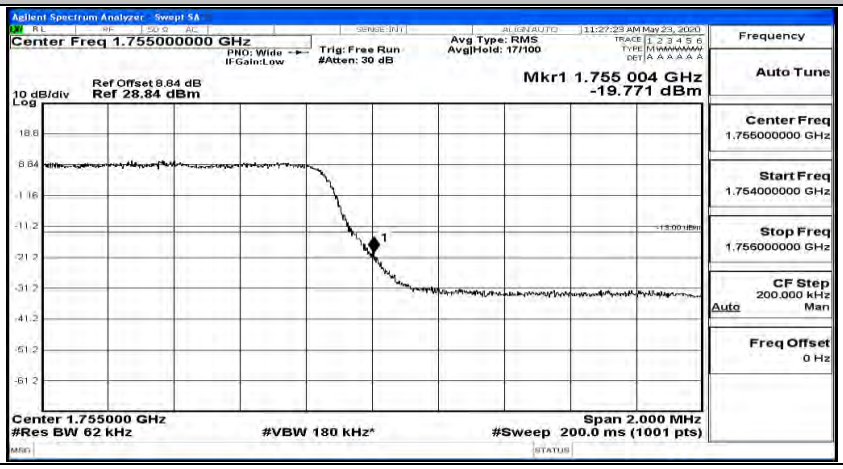
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



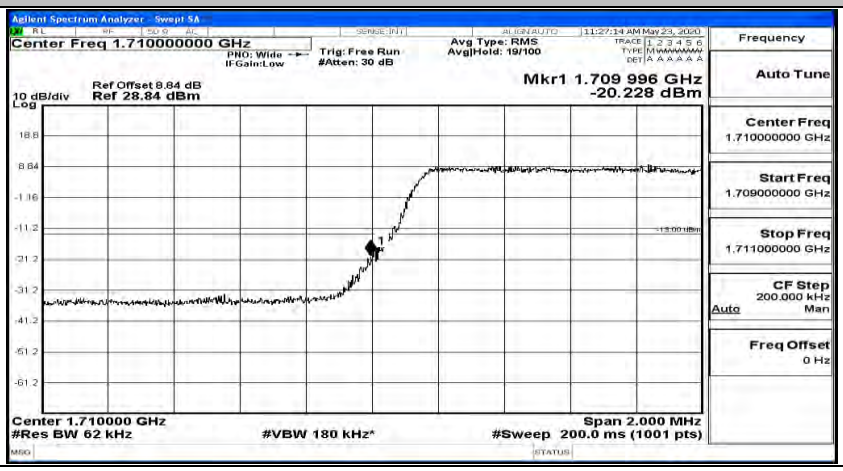
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



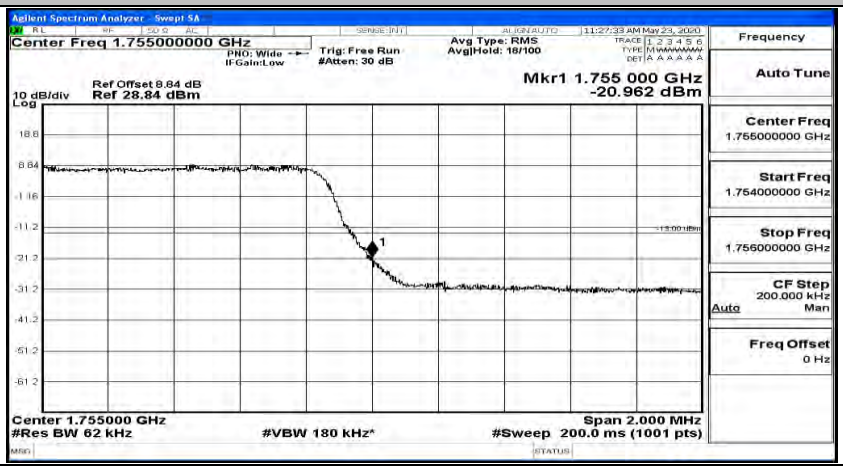
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



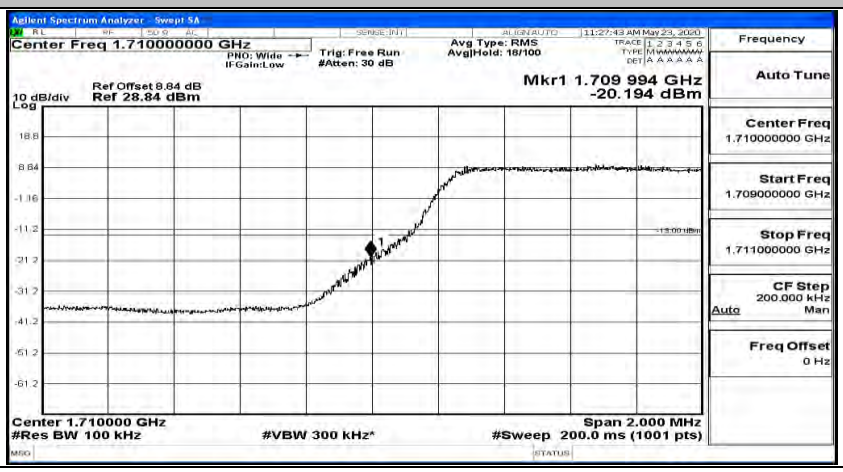
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



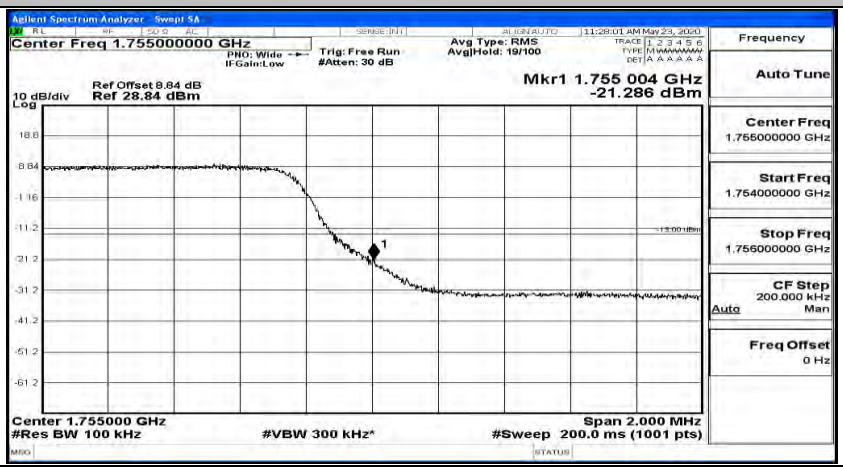
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



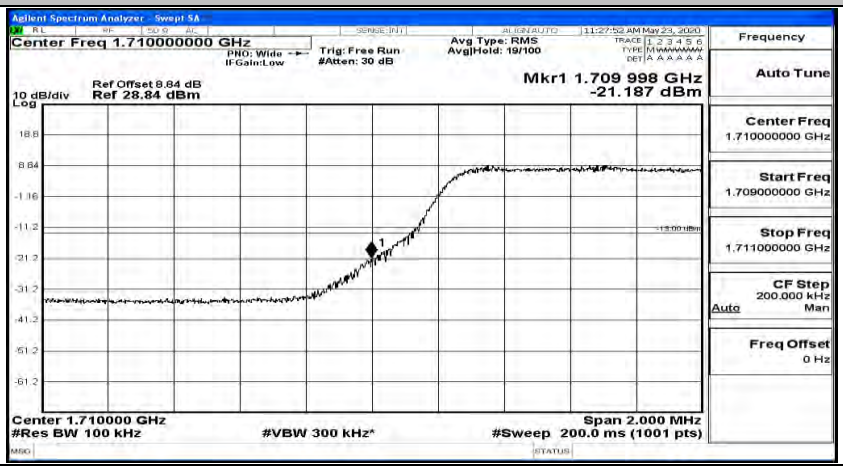
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



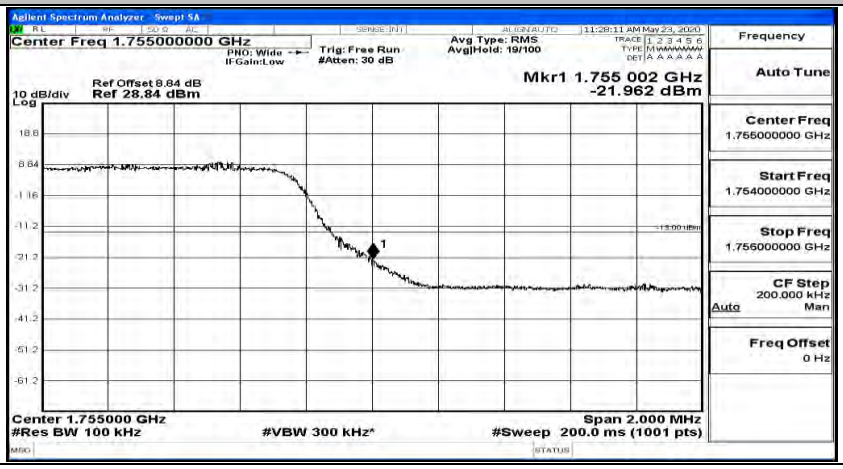
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



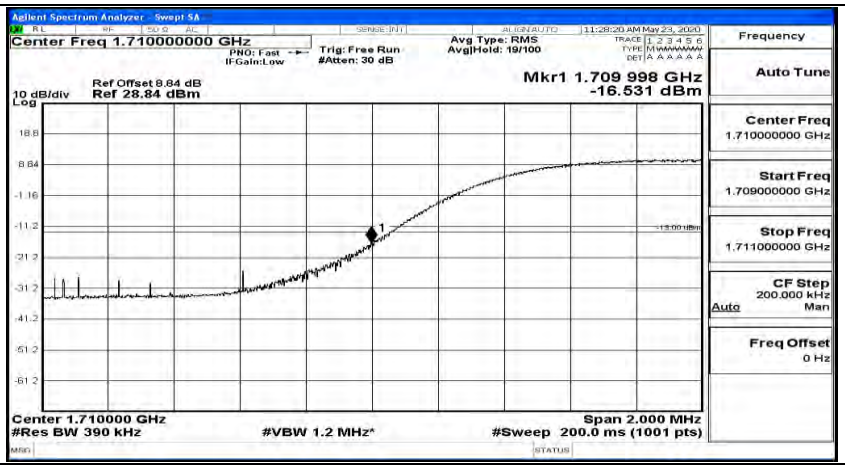
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



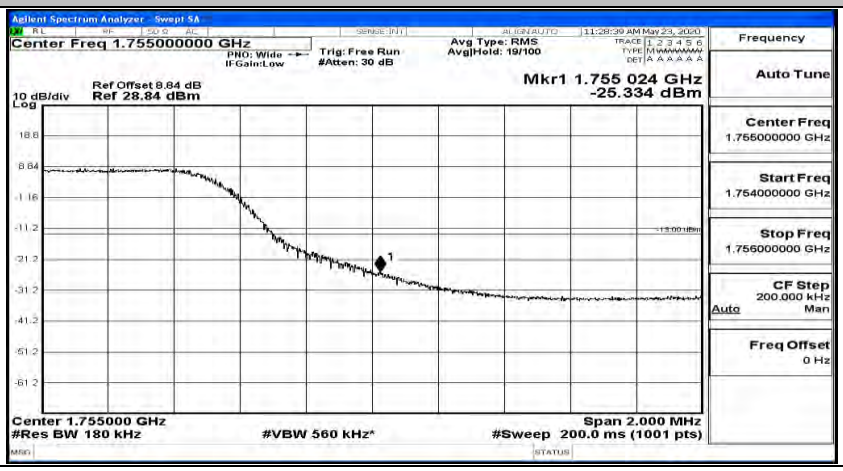
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



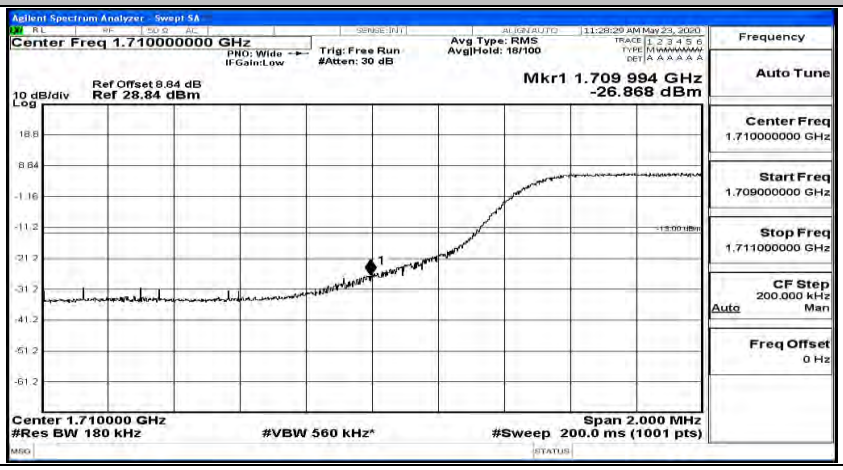
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK


Agilent Spectrum Analyzer - Swept SA
Center Freq 1.710000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold: 19/100
11:28:20 AM May 23, 2020
Ref Offset 9.84 dB
10 dB/div Ref 28.84 dBm
Log
Mkr1 1.709 998 GHz
-16.531 dBm
Center 1.710000 GHz
#Res BW 390 kHz
#VBW 1.2 MHz*
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

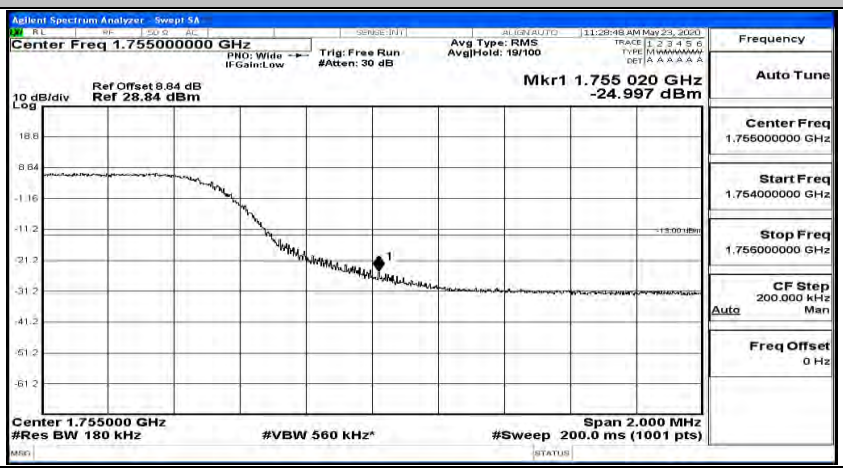
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



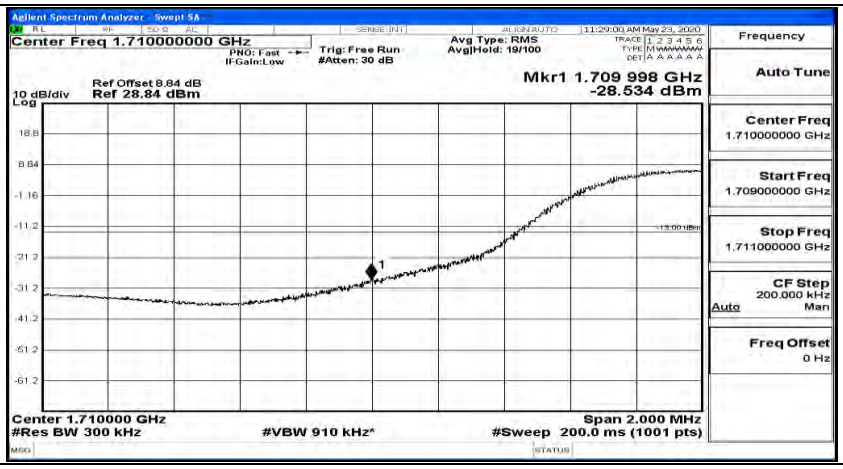
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



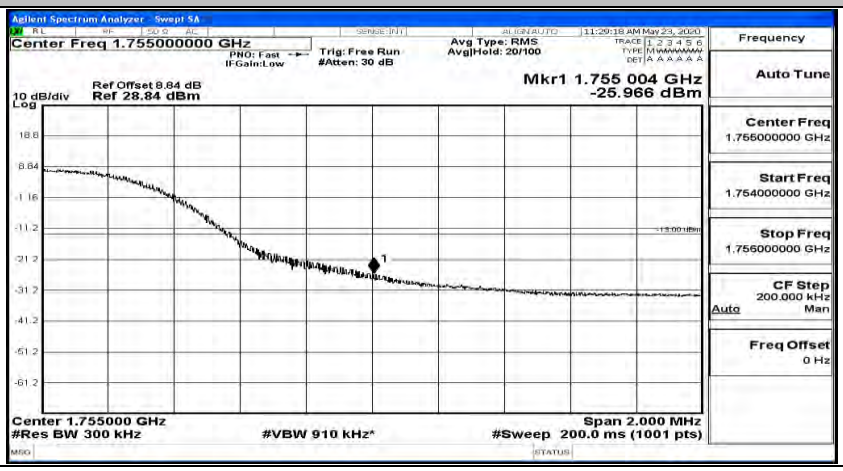
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



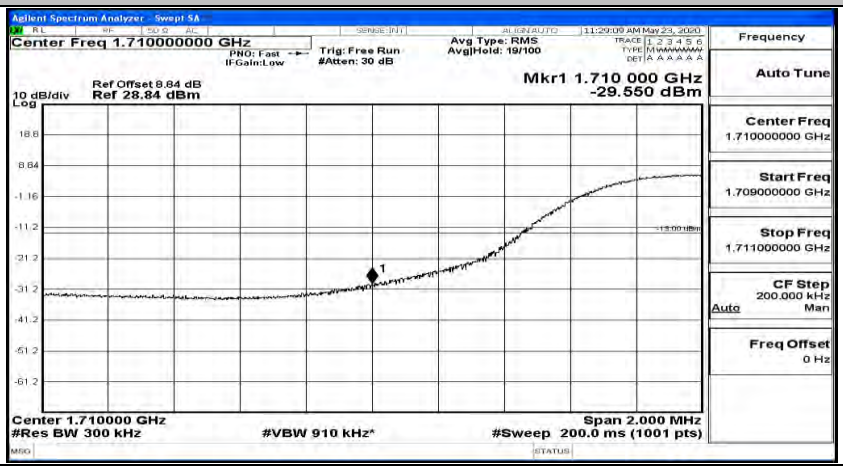
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK


Agilent Spectrum Analyzer - Swept SA
Center Freq 1.710000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold: 19/100
11:29:00 AM May 23, 2020
Mkr1 1.709 998 GHz
-28.534 dBm
Ref Offset 9.84 dB
10 dB/div Ref 28.84 dBm
Log
18.8
8.84
-1.16
-11.2
-21.2
-31.2
-41.2
-51.2
-61.2
Center 1.710000 GHz
#Res BW 300 kHz
#VBW 910 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

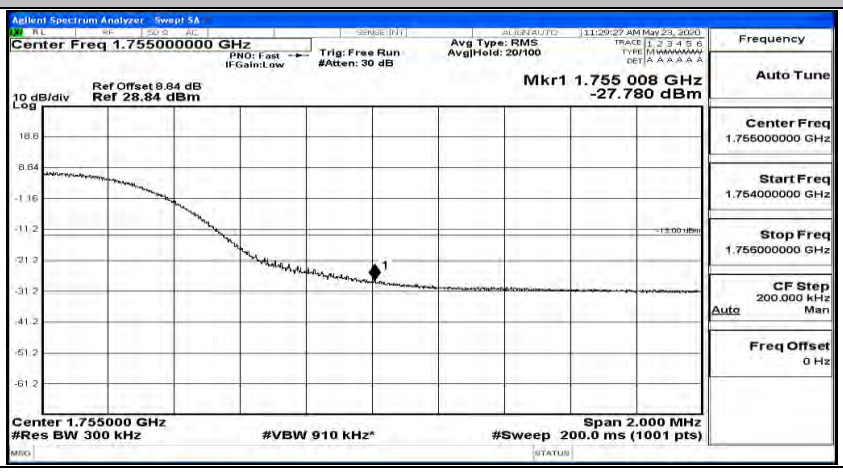
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



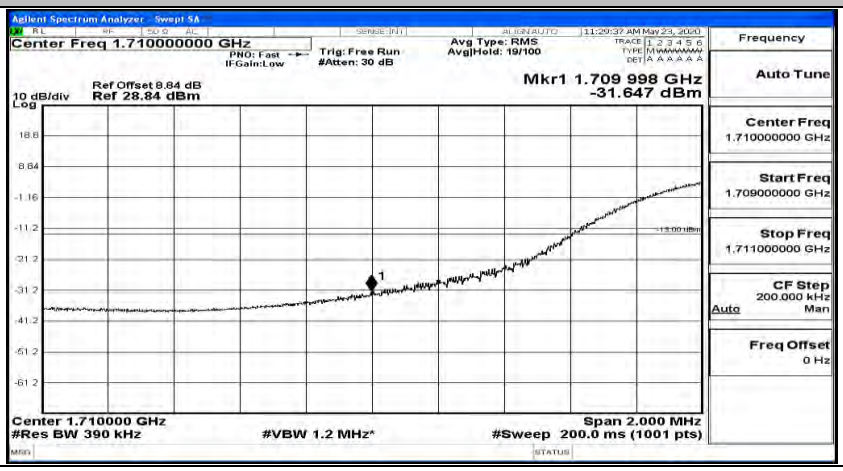
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



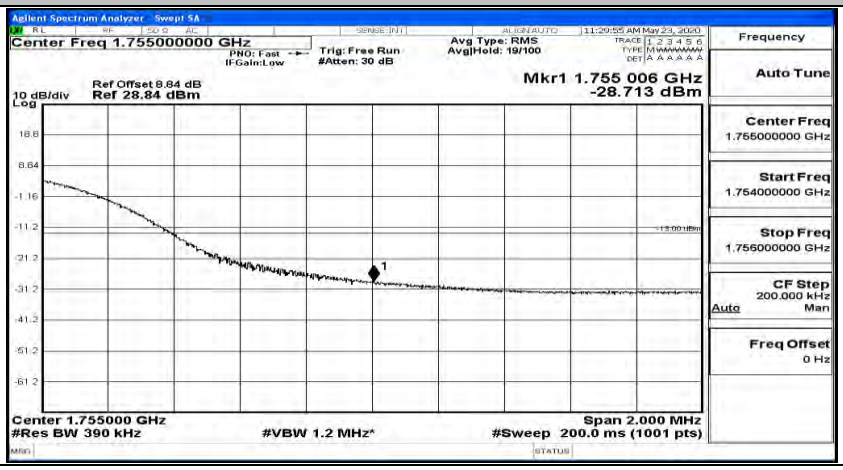
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



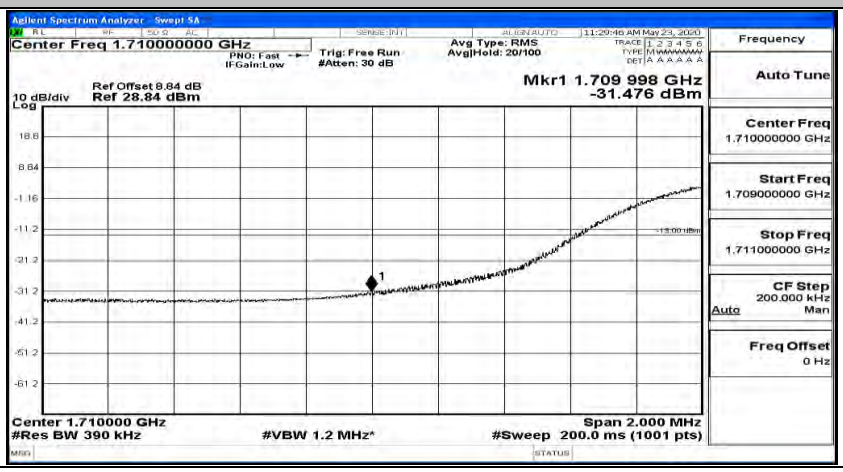
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



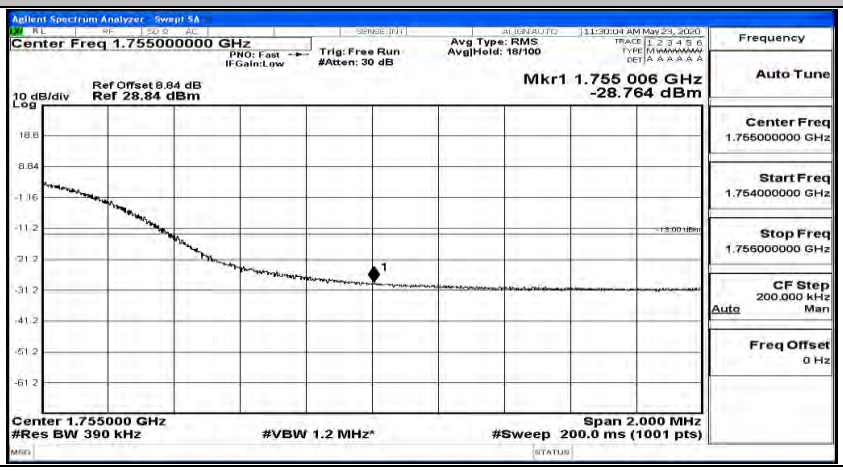
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



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



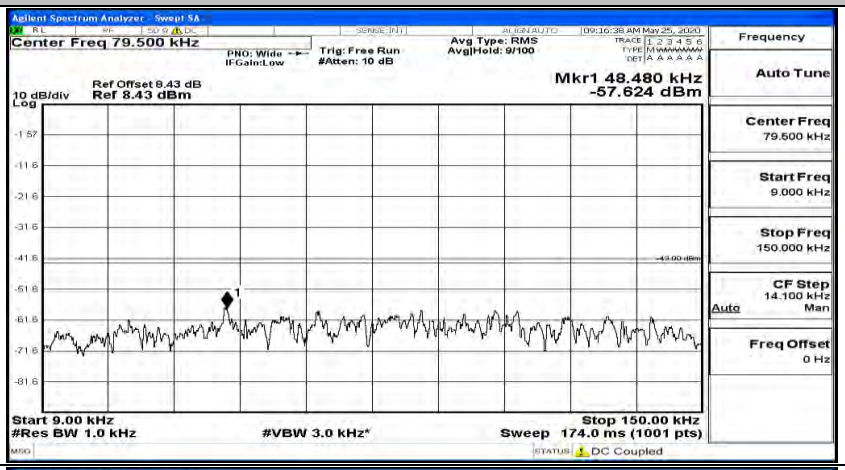
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM

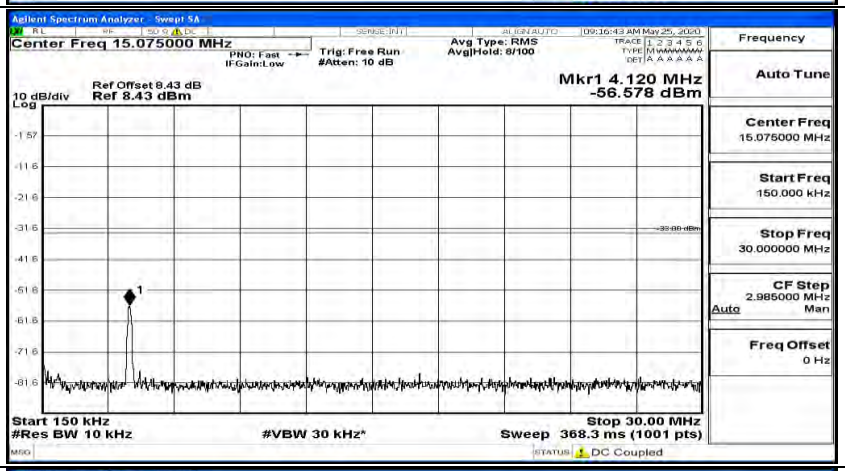


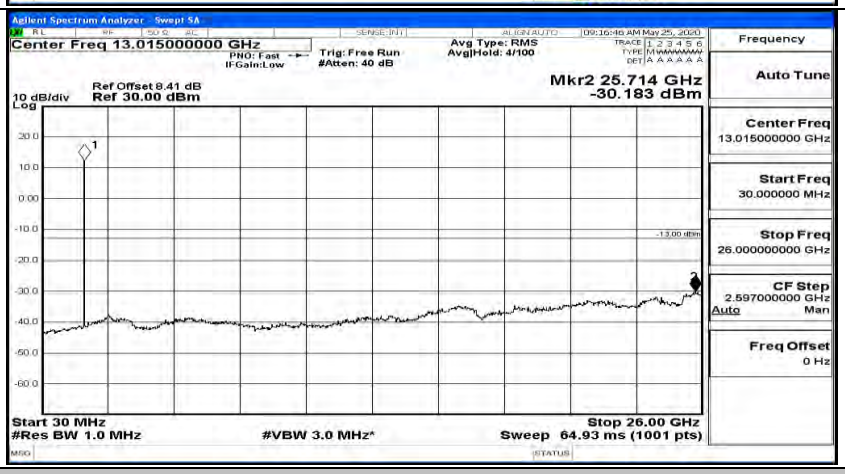
D.5 Conducted Spurious Emission

Channel Bandwidth: 1.4 MHz

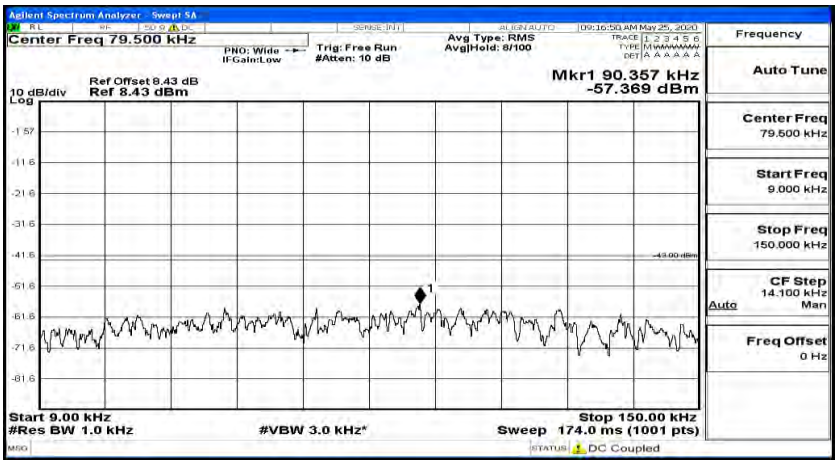
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0

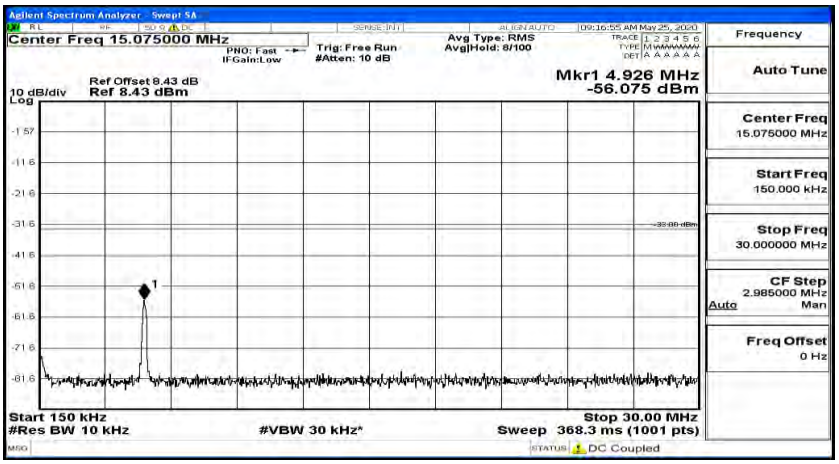




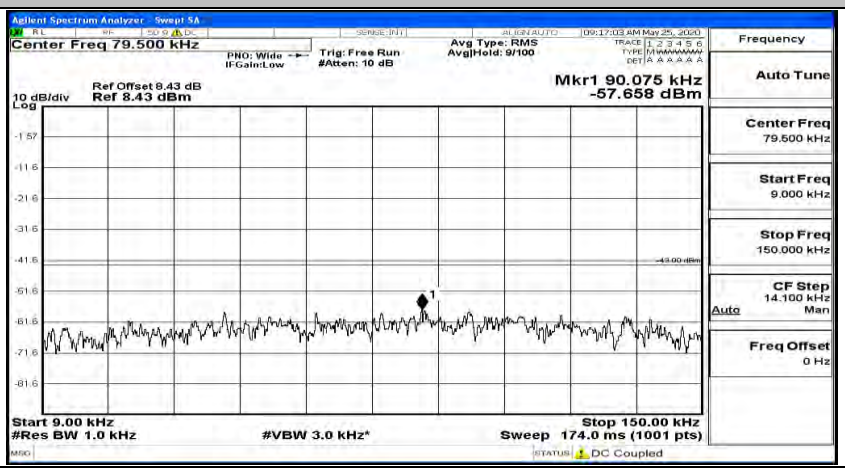


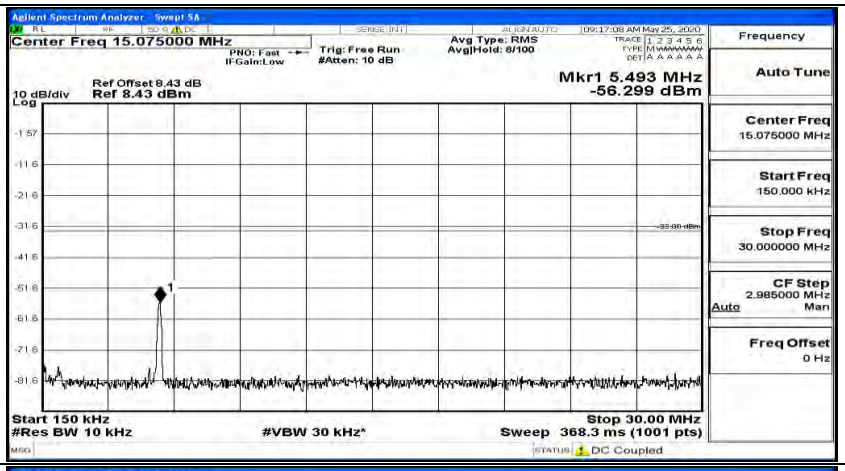
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3



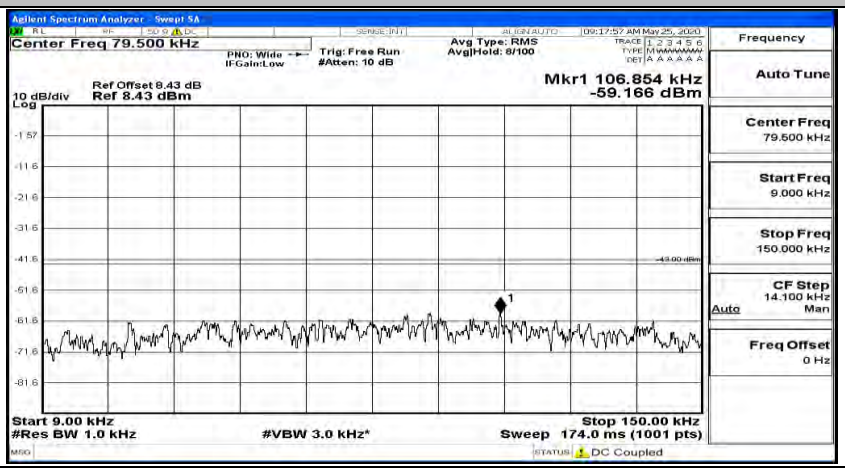


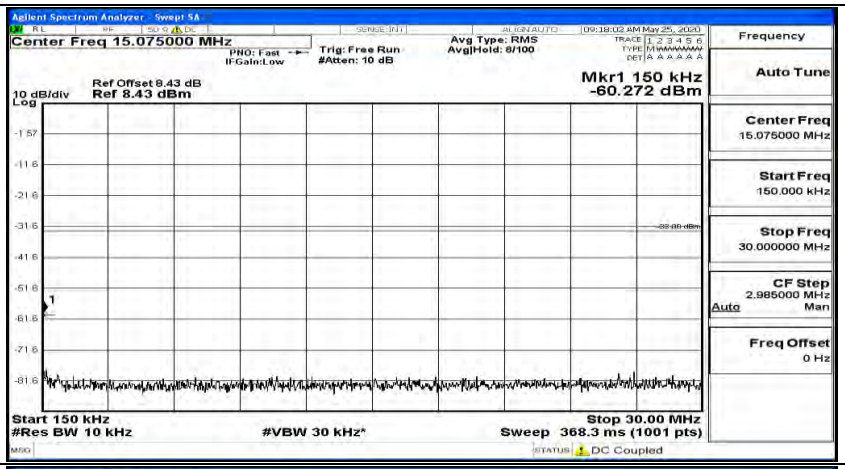
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5

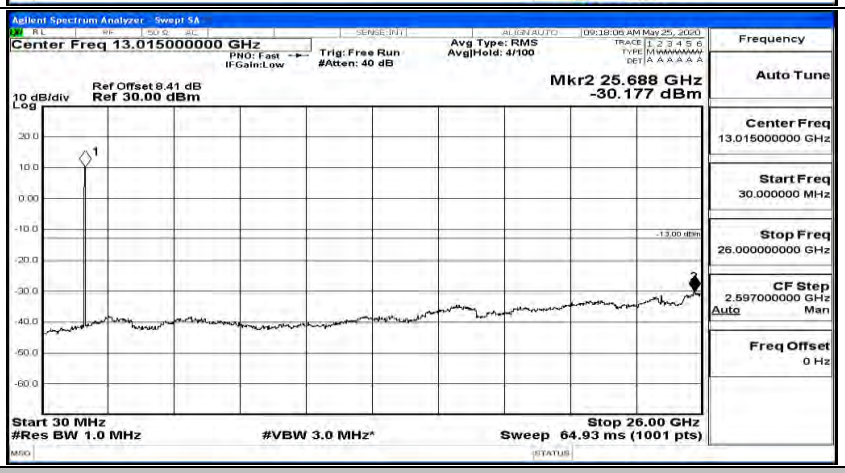




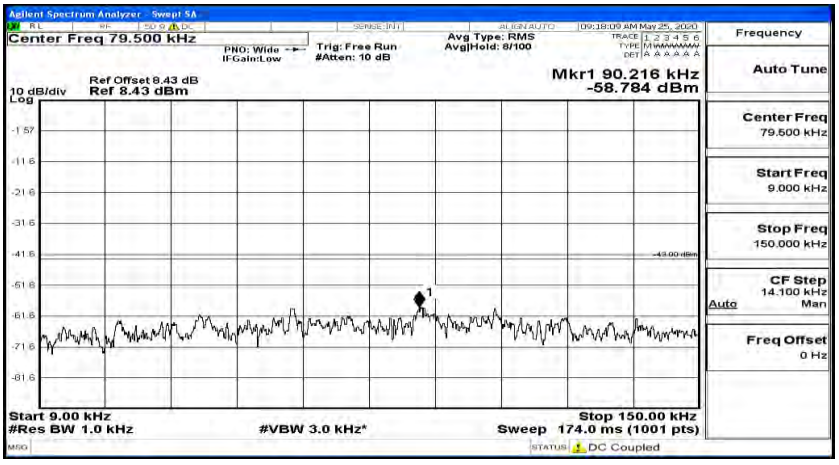
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0

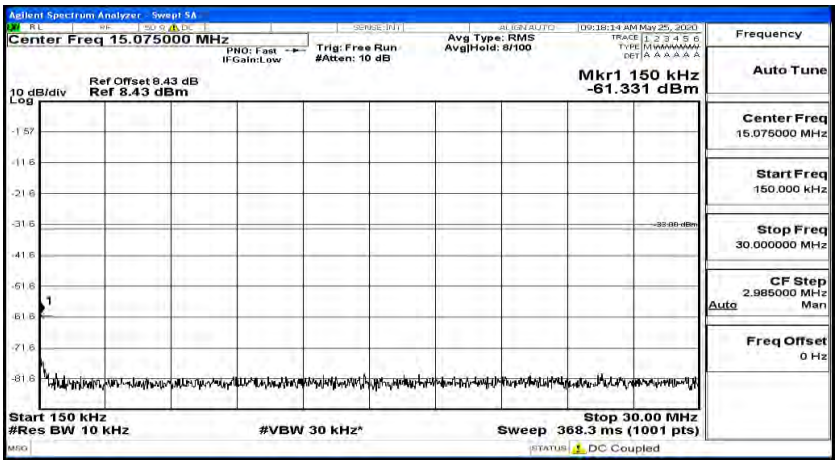


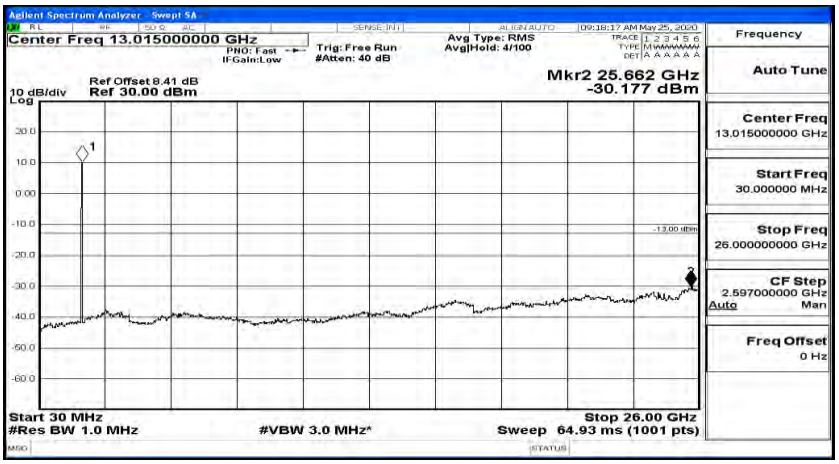




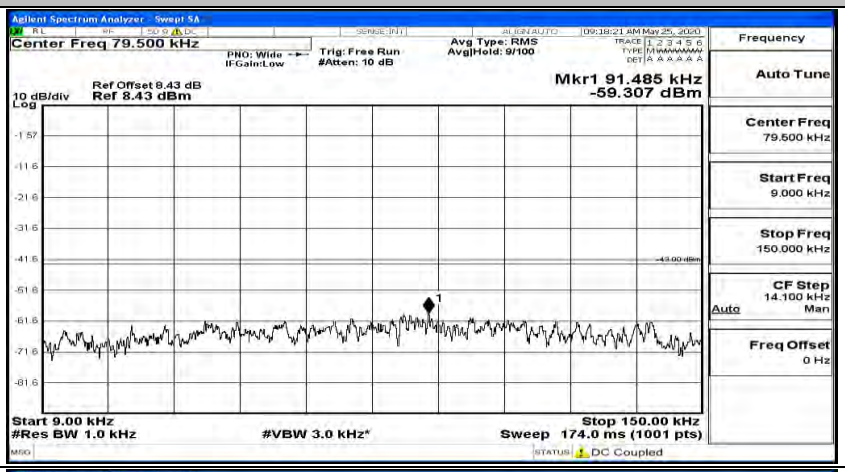
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3

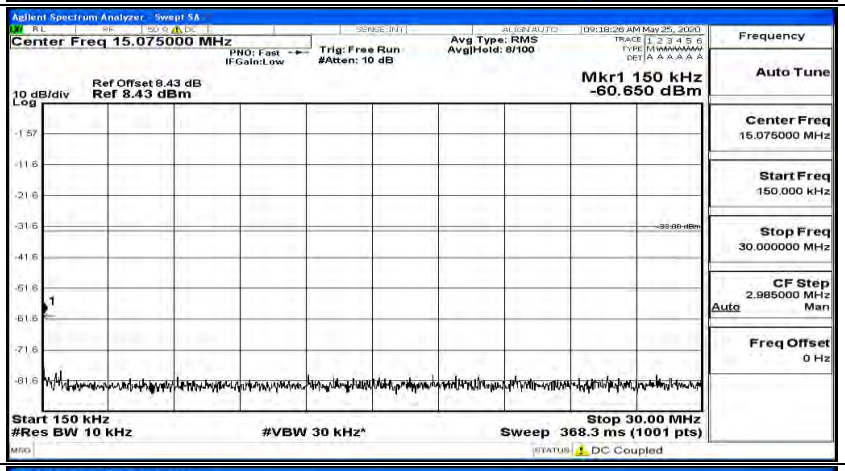


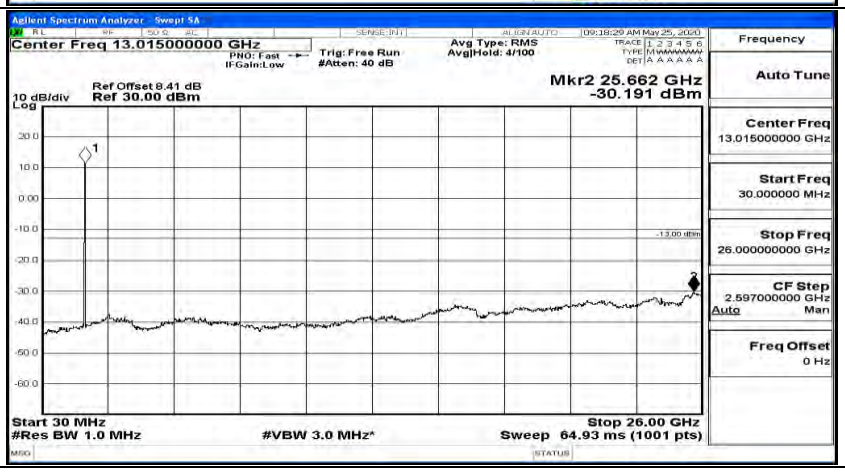




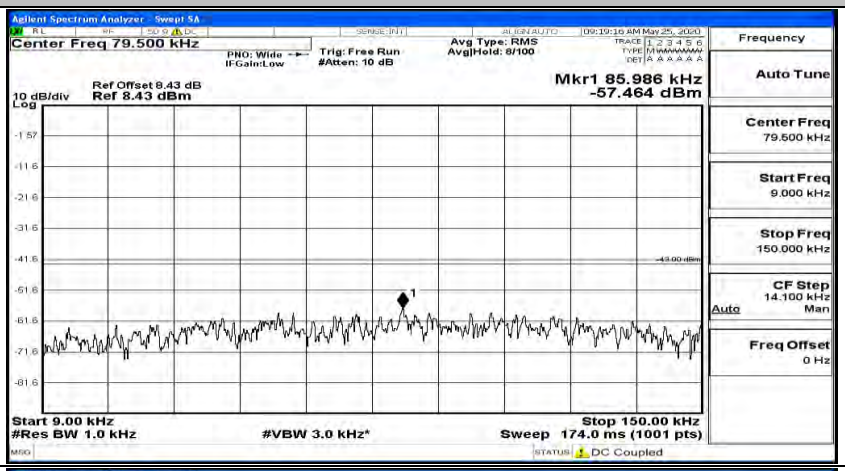
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5

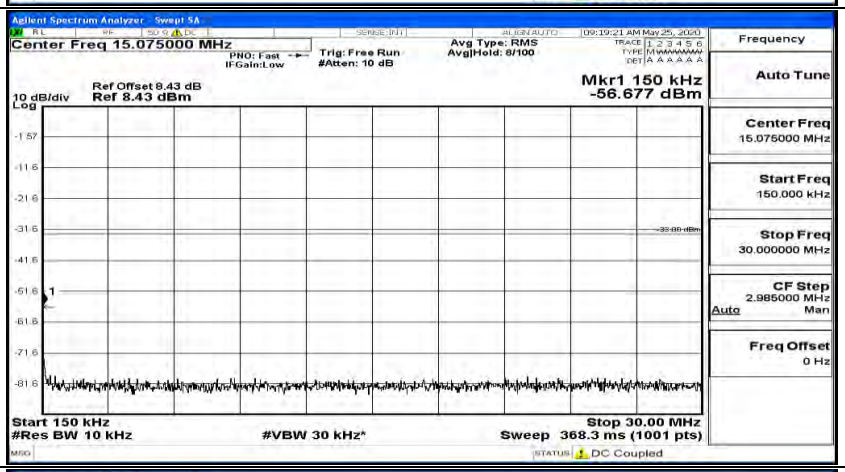


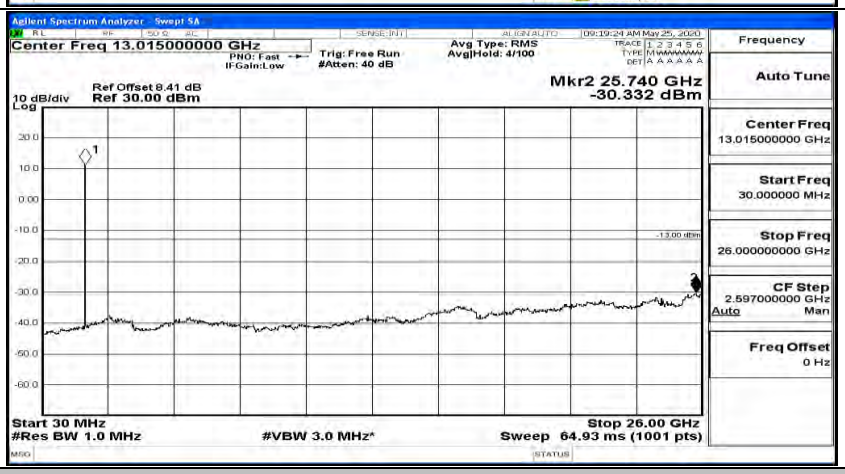




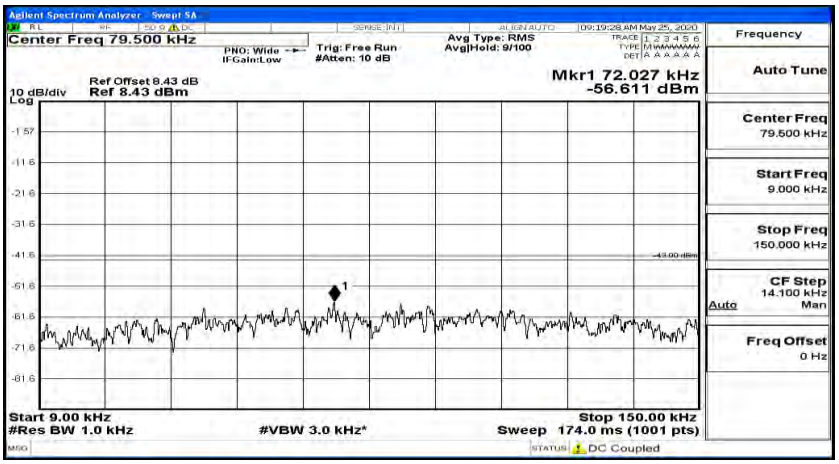
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0

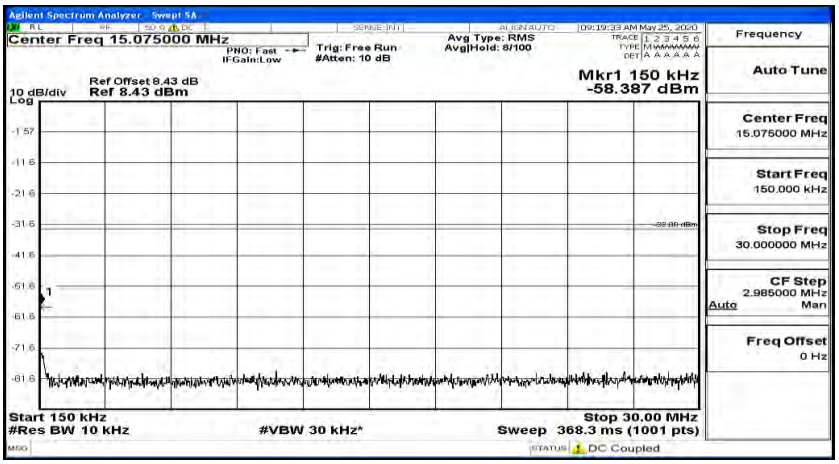


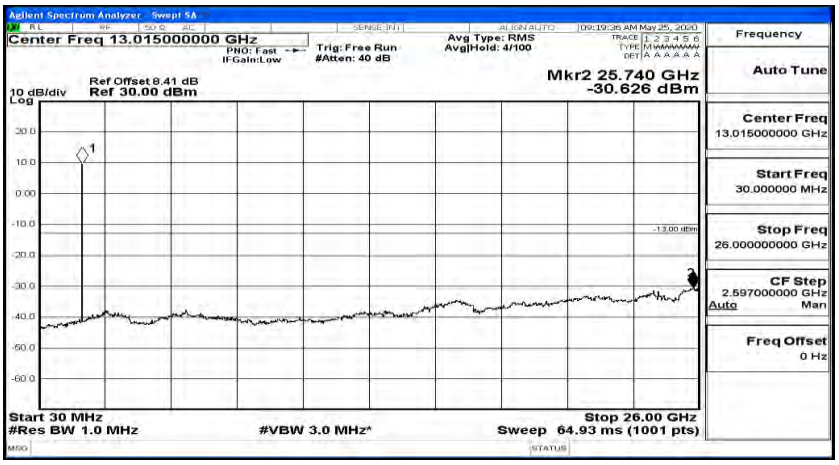




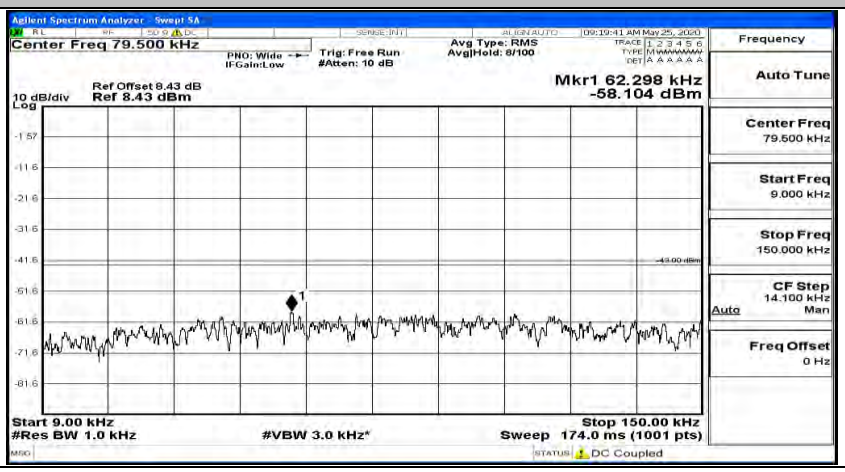
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3

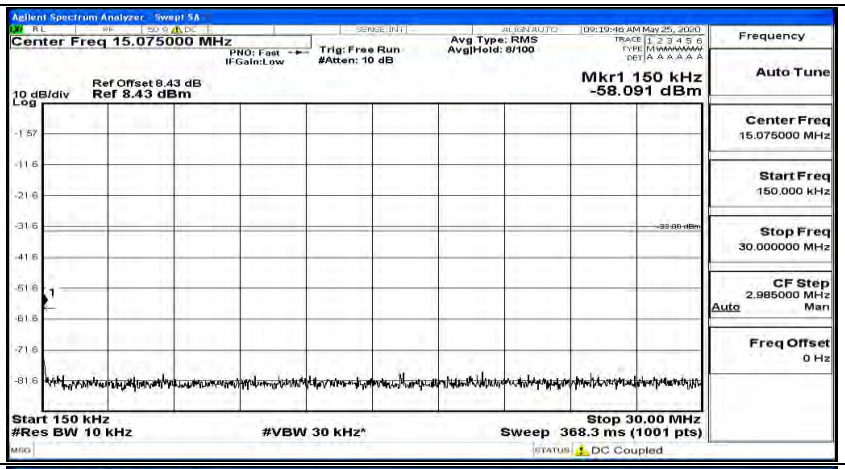




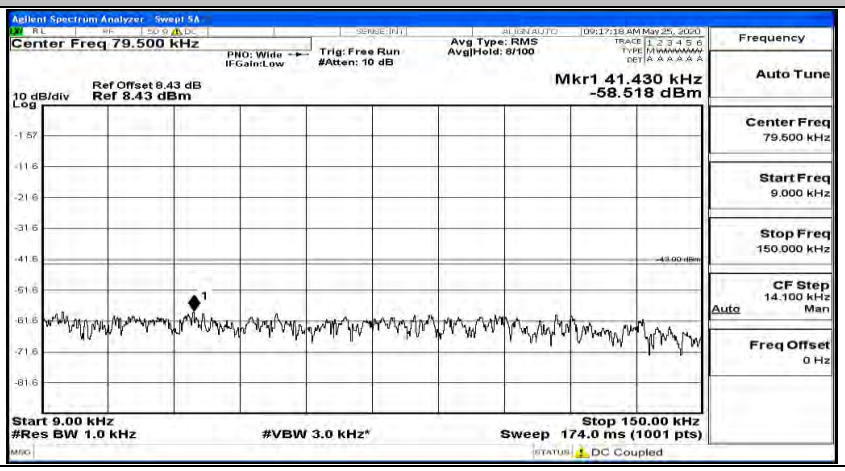


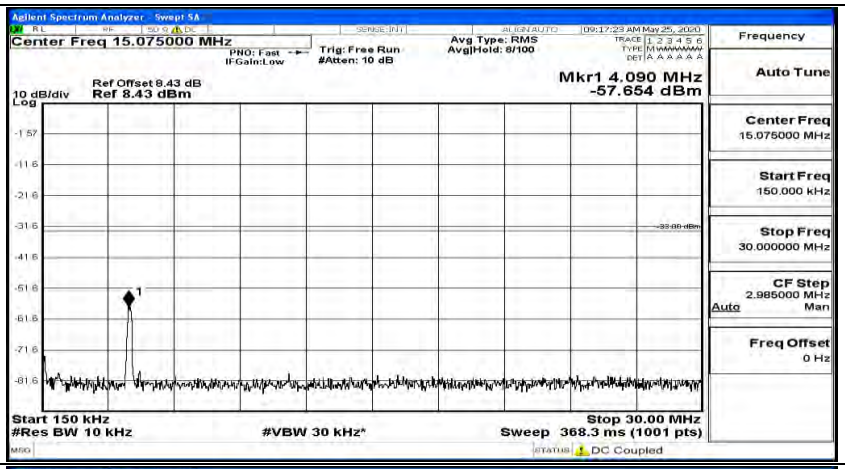
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5

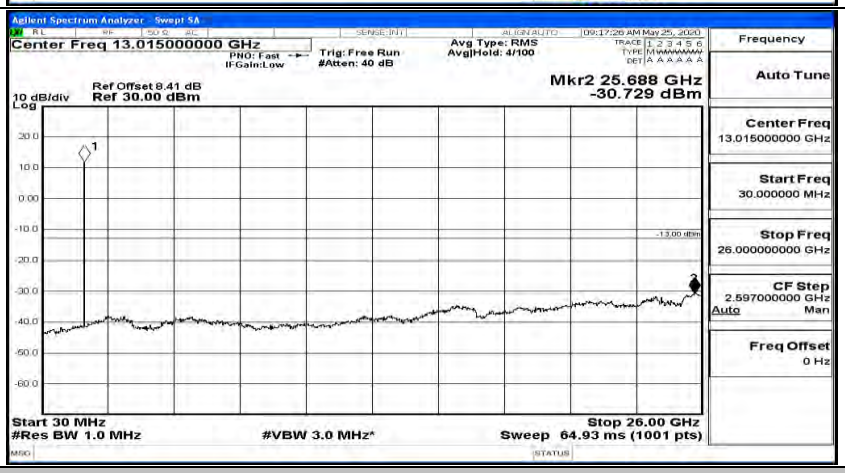




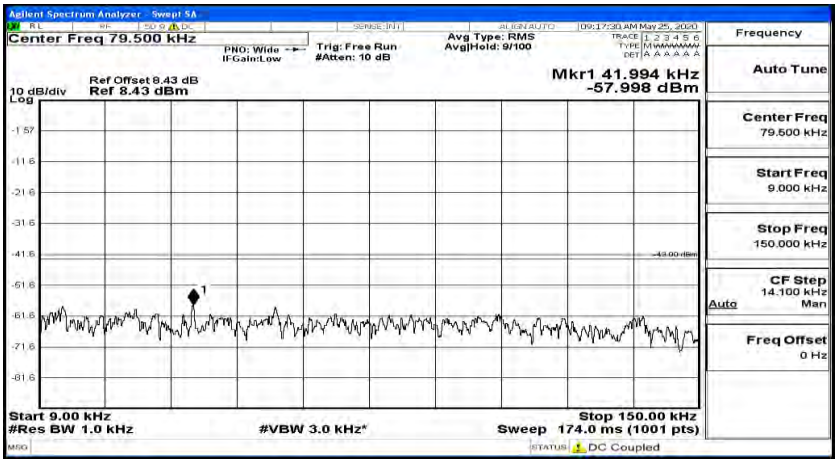
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0

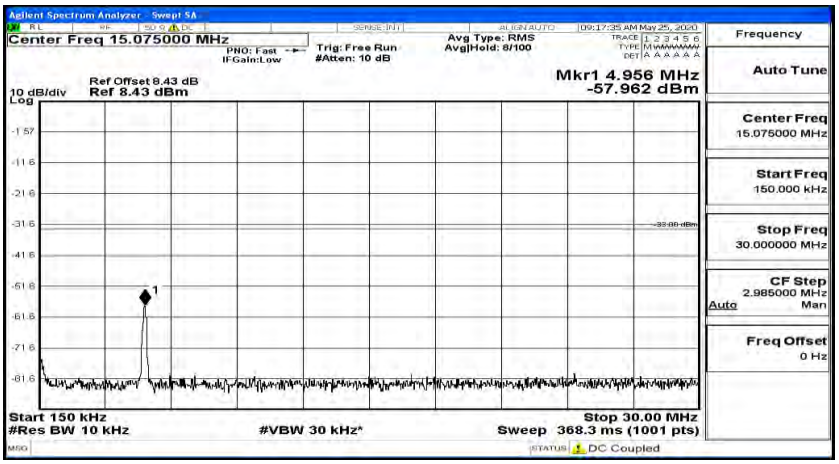




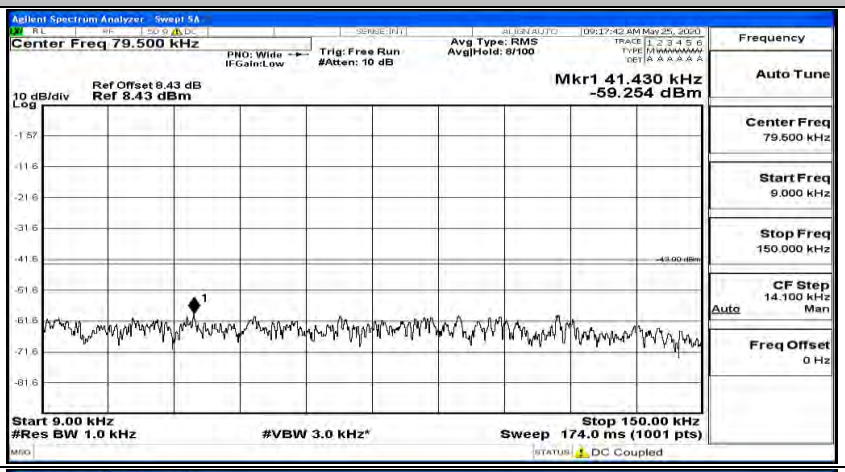


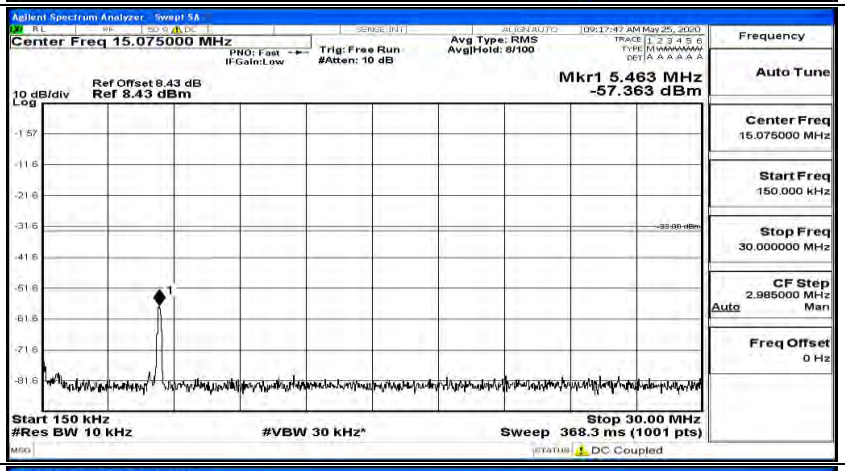
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3



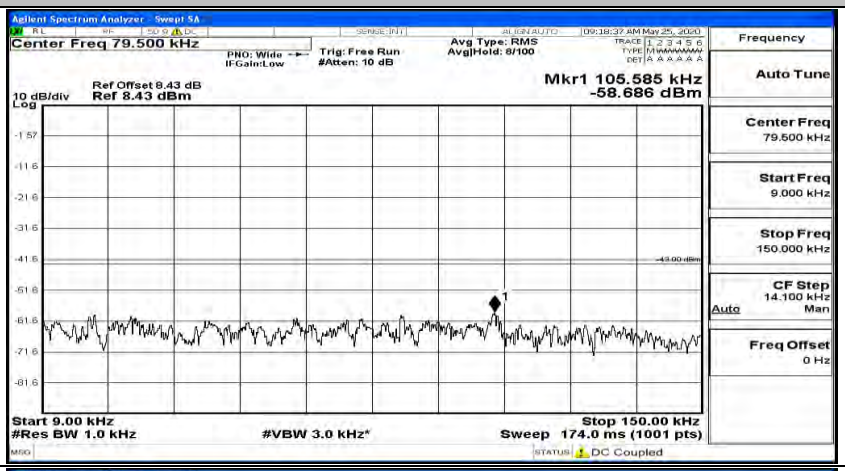


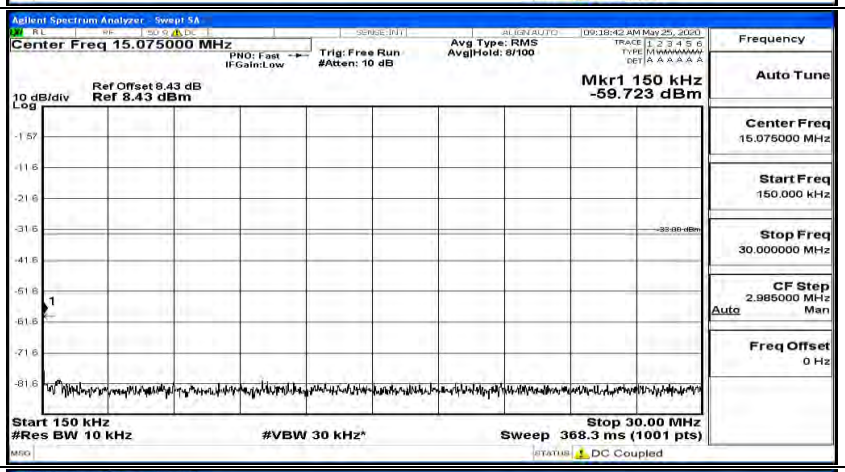
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5

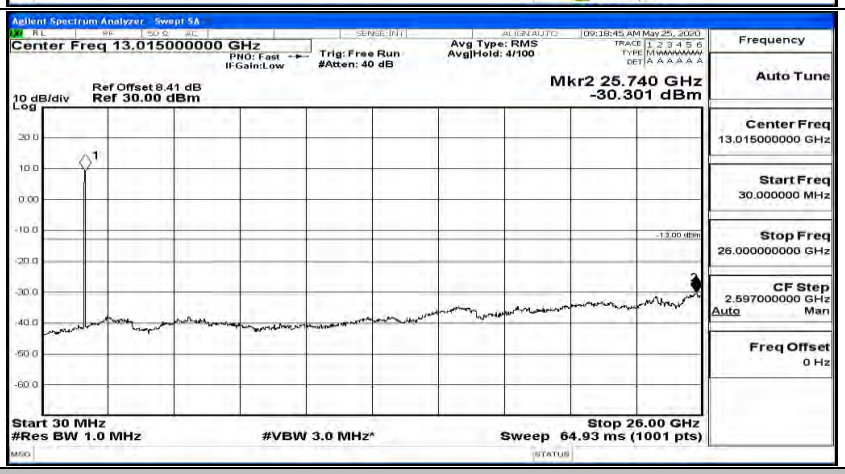




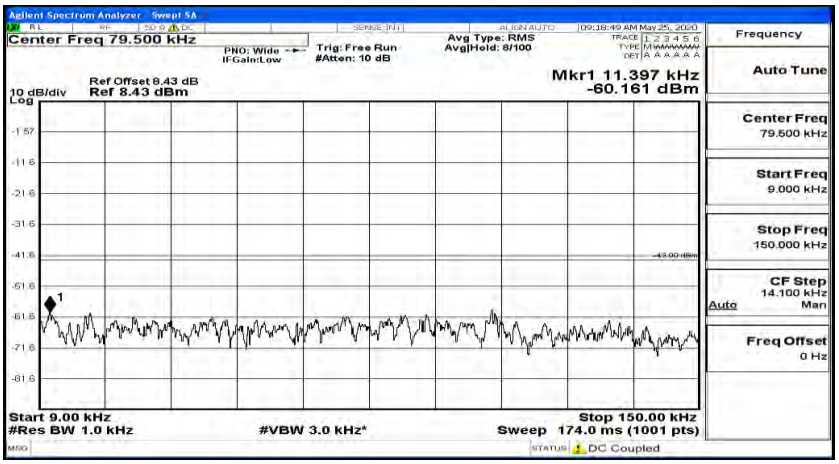
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0

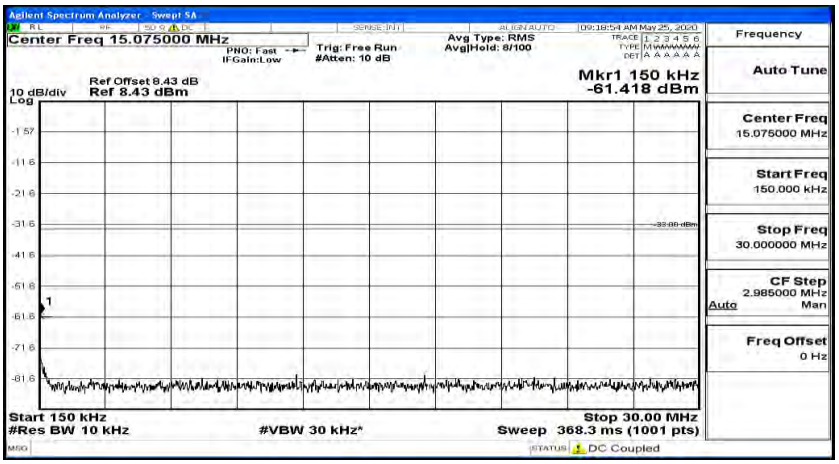




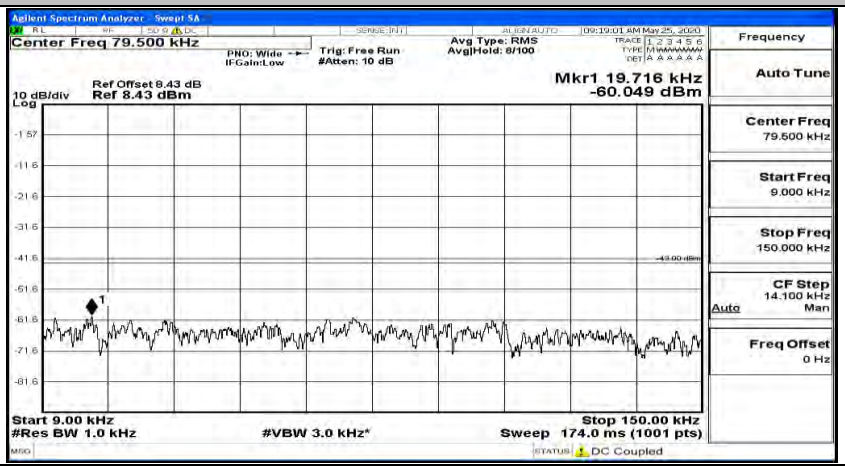


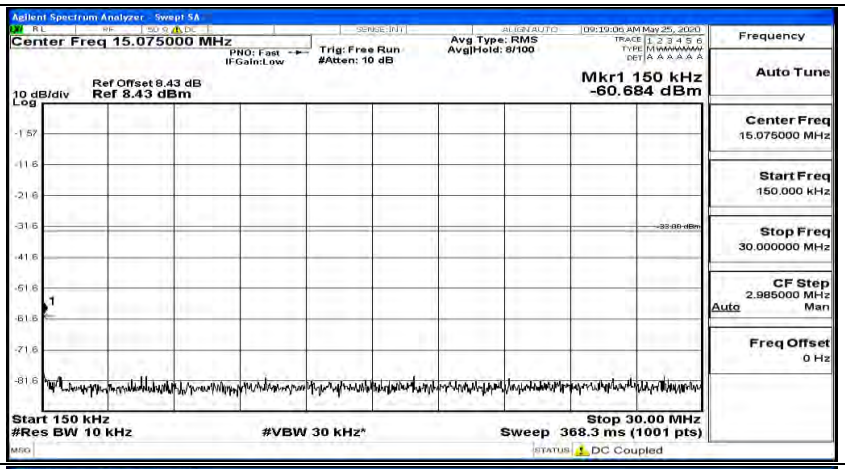
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3



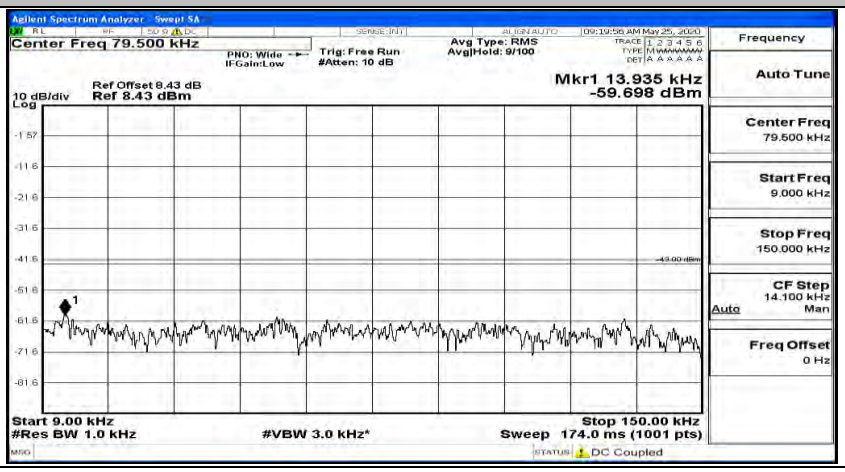


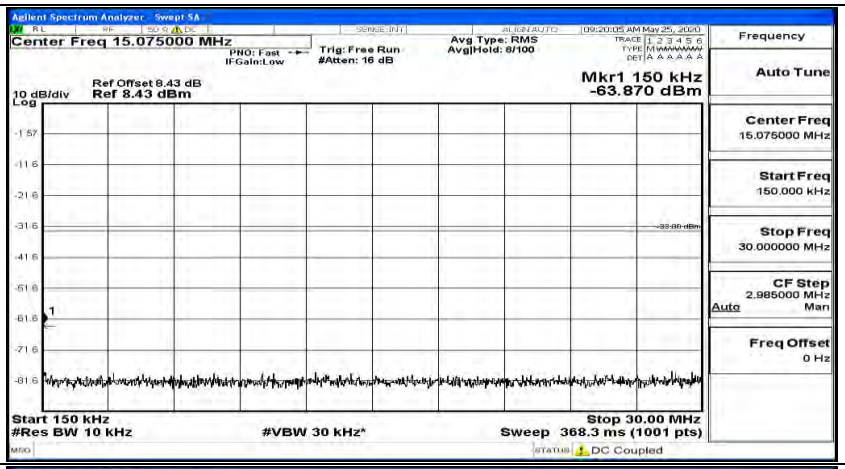
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5

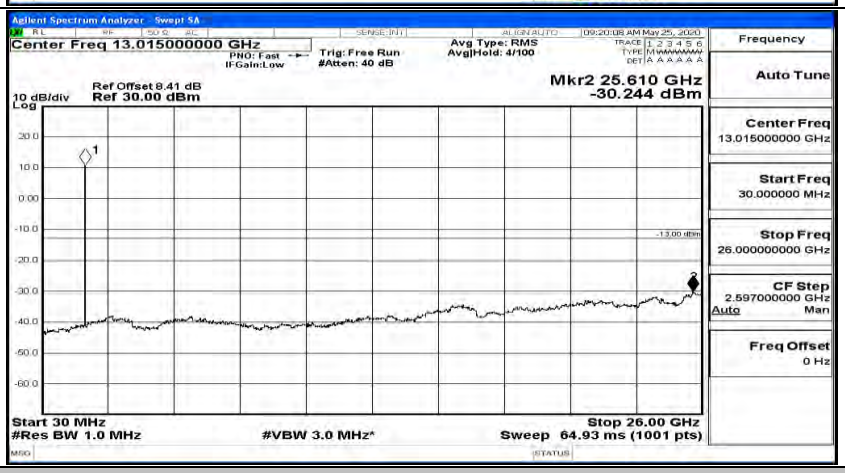




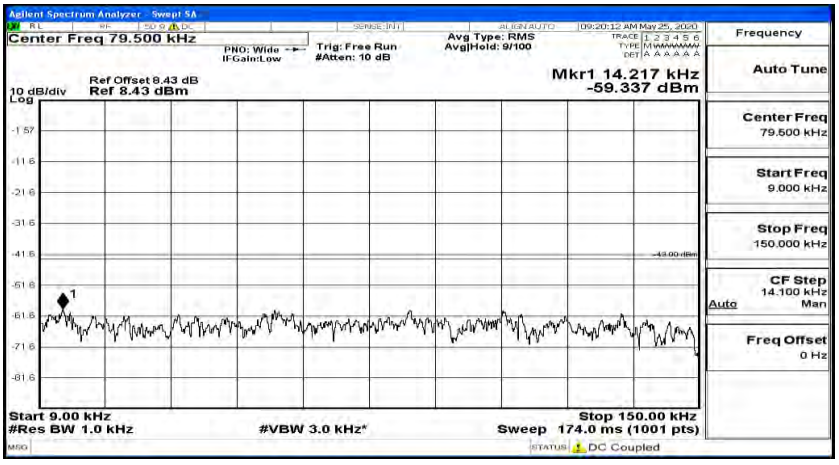
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0

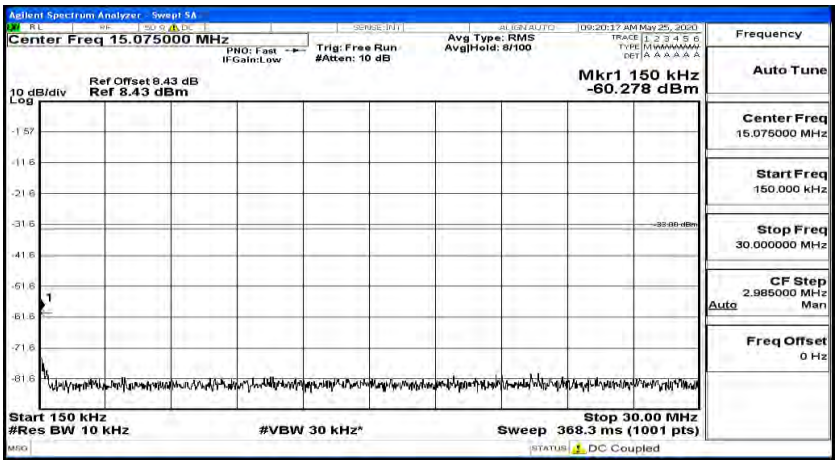


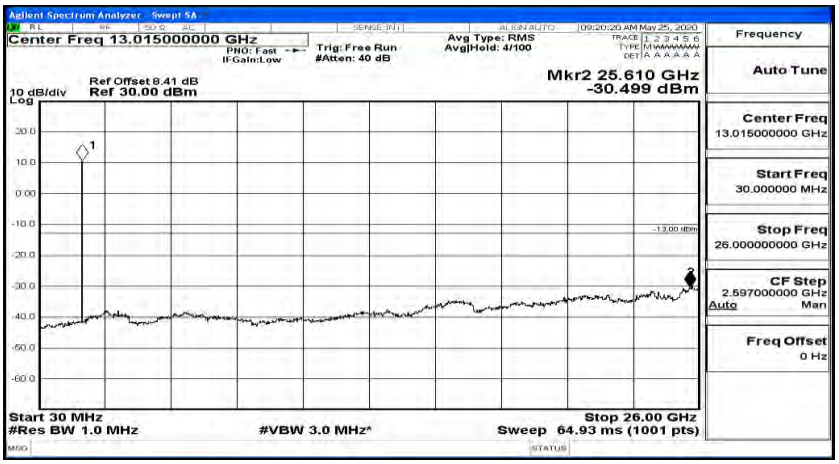




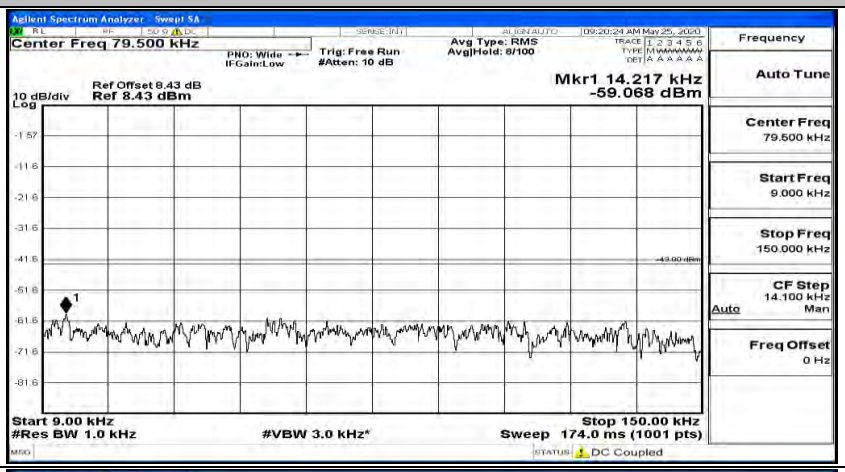
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3

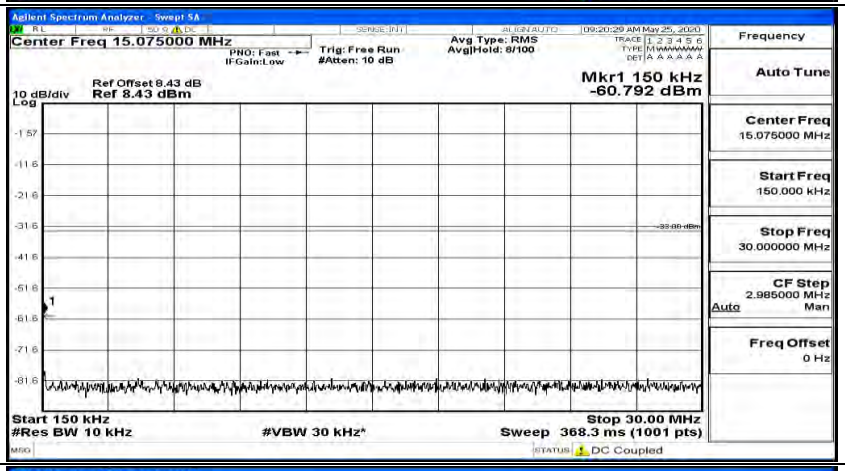






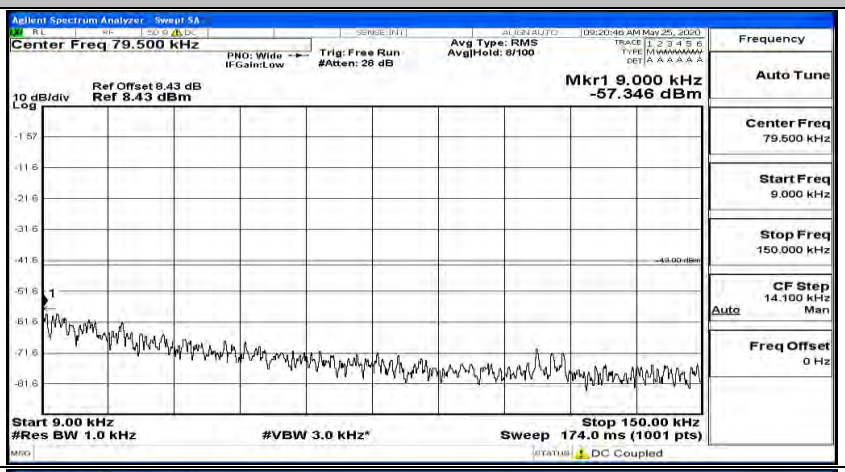
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5

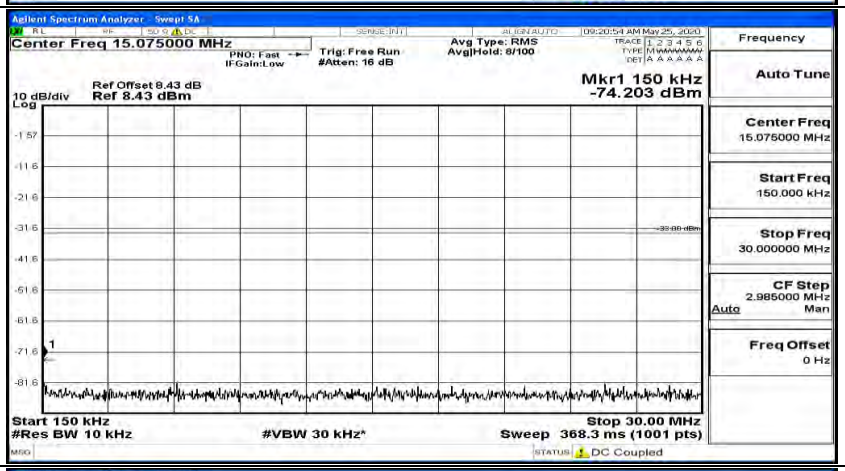


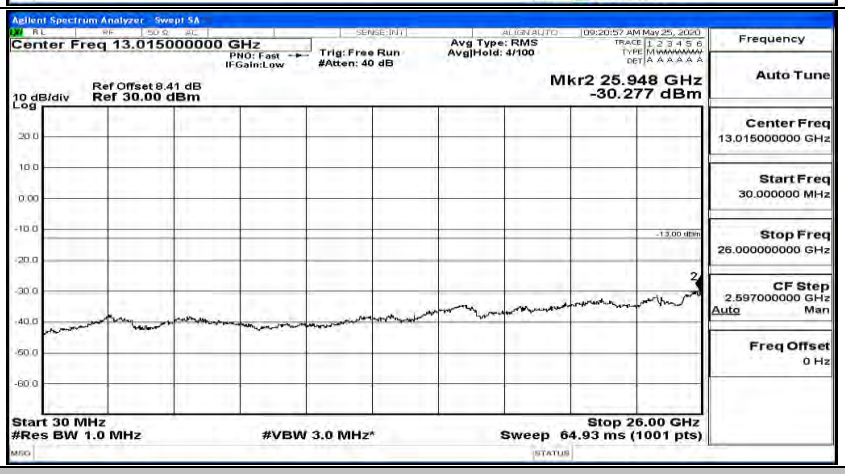


Channel Bandwidth: 3 MHz

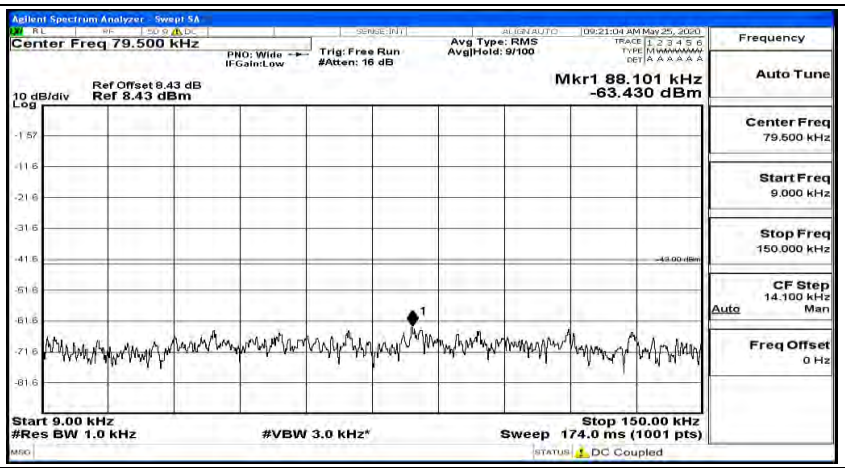
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0

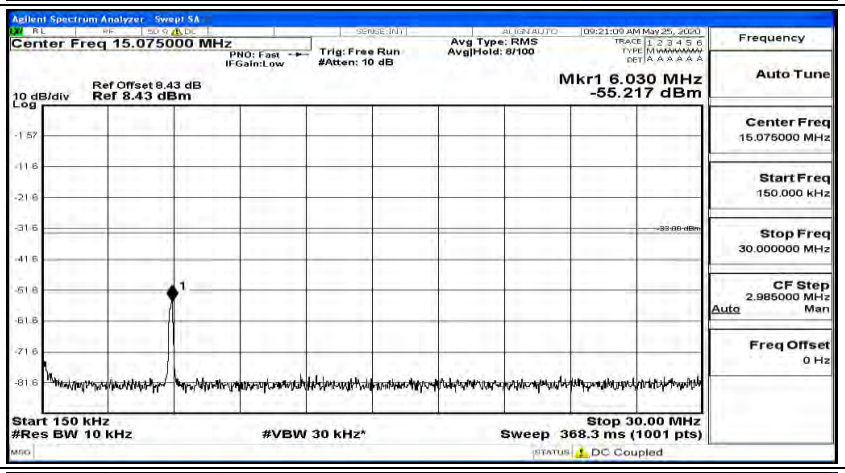


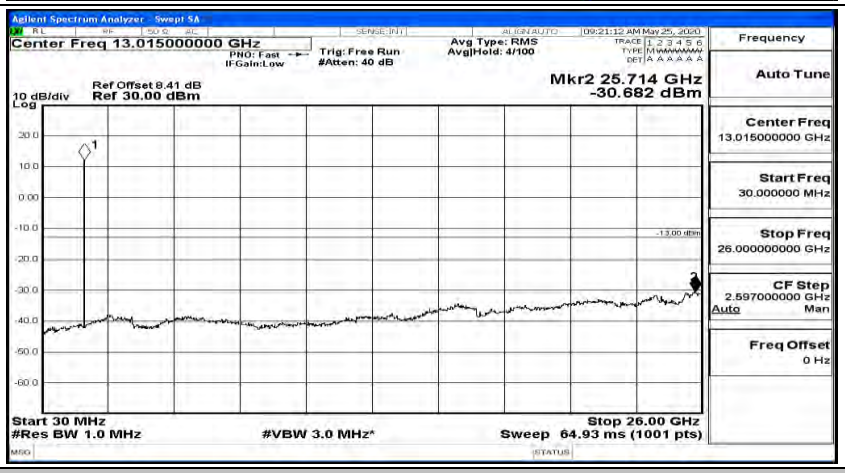




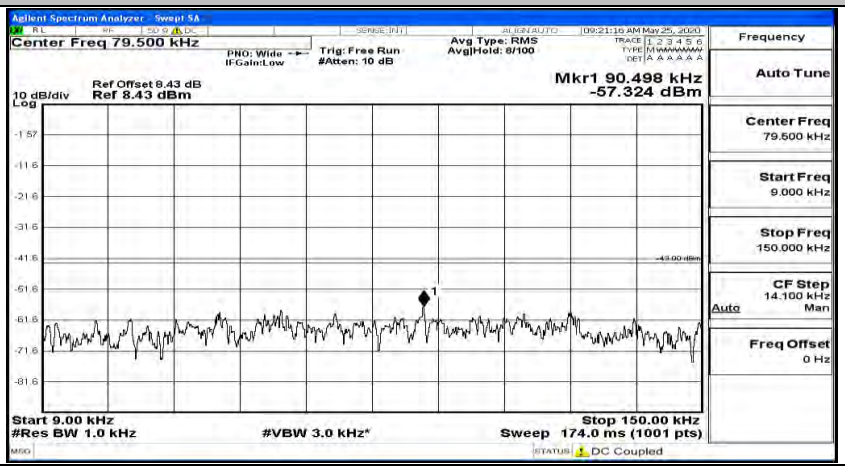
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7

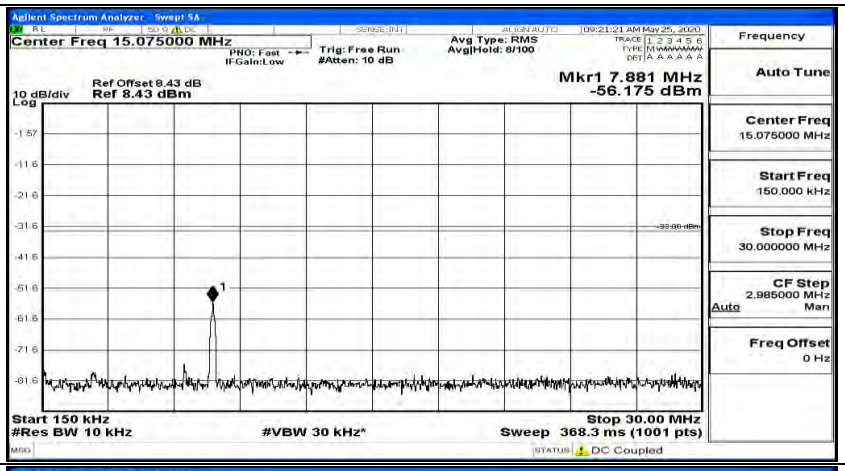


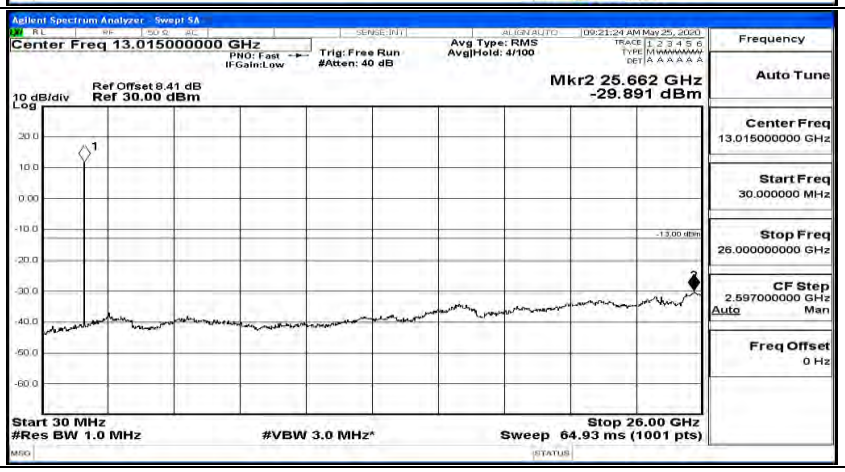




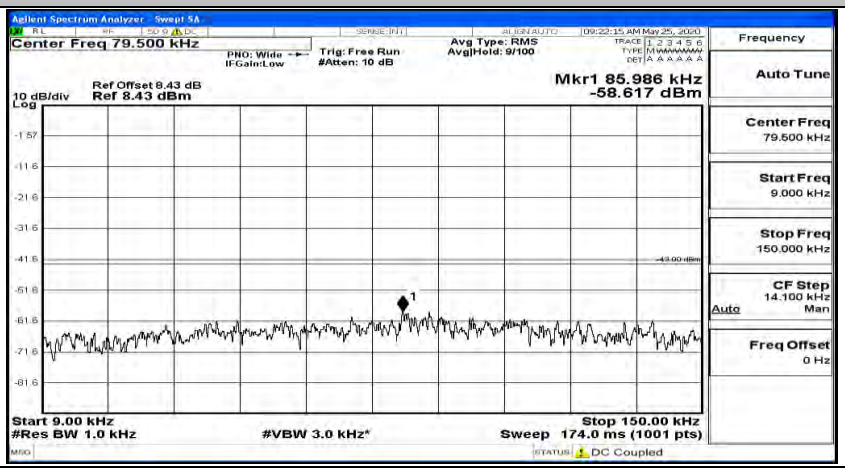
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14

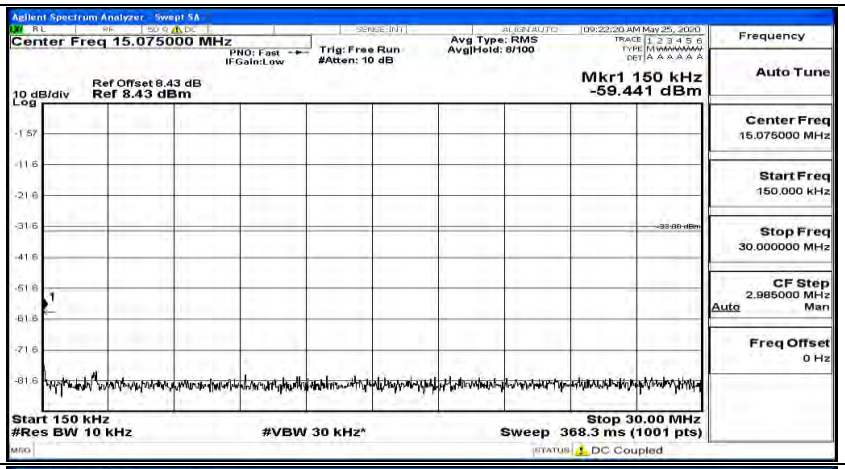


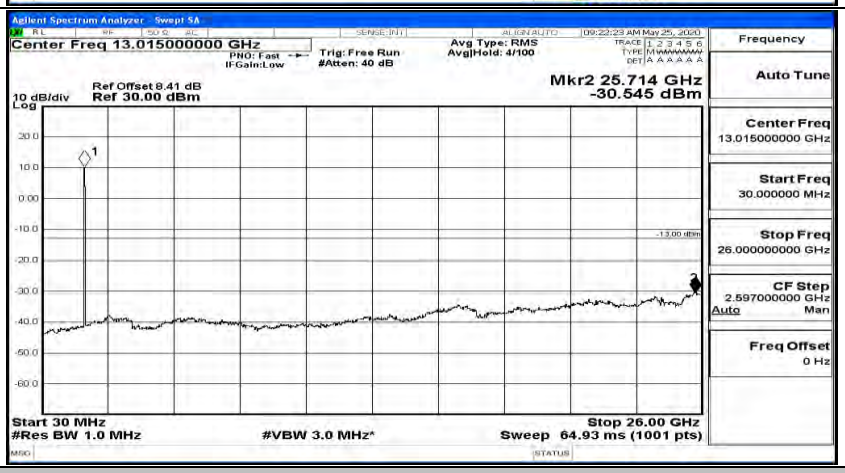




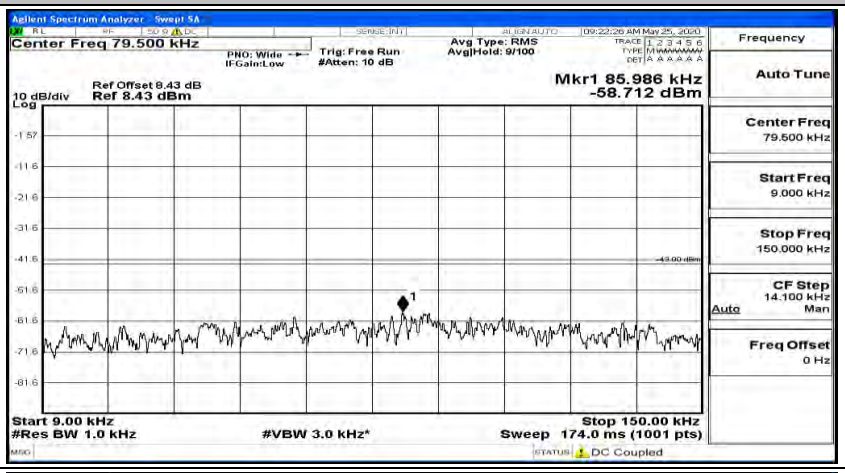
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0

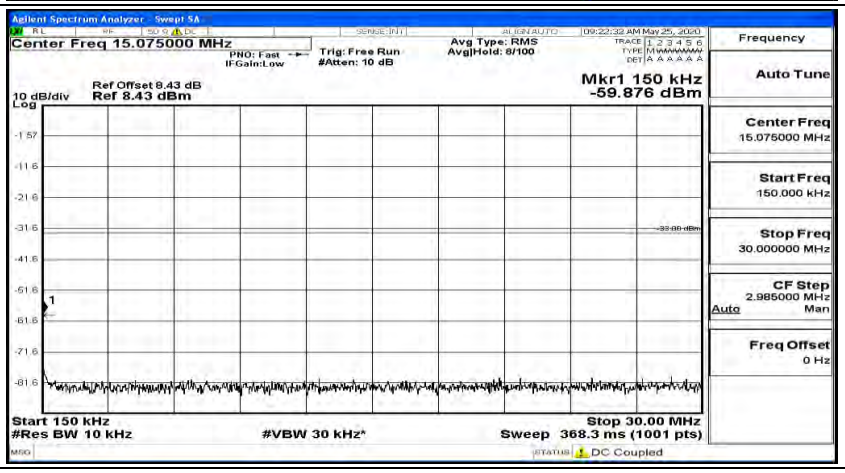


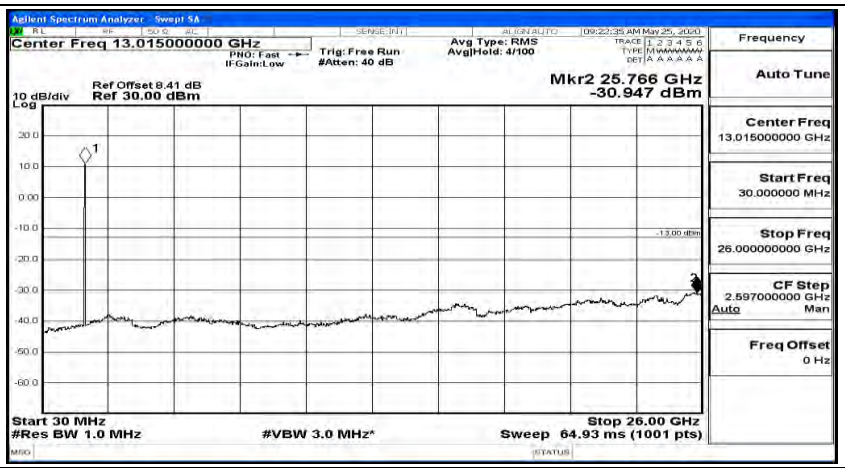




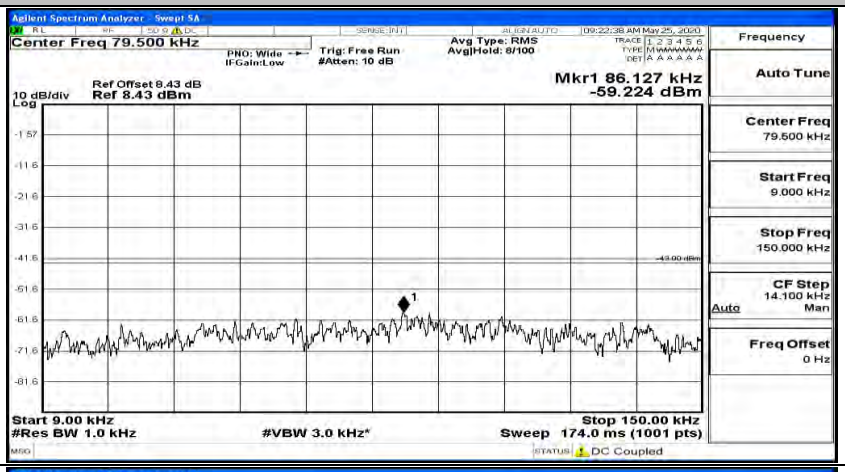
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#7

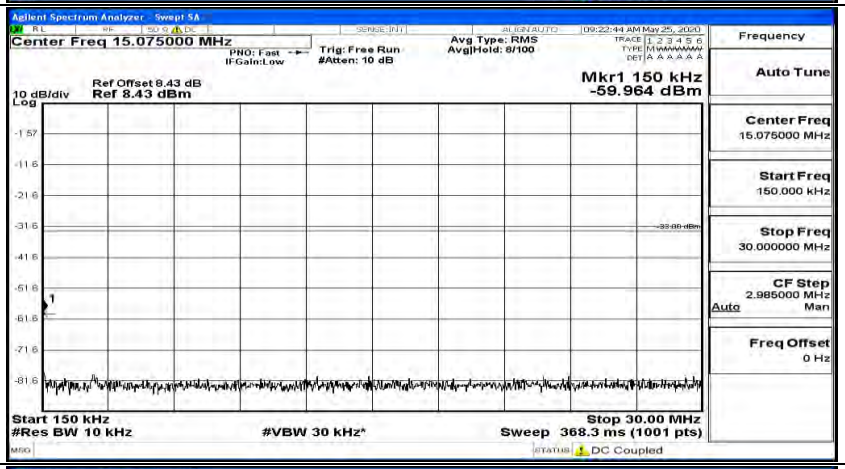




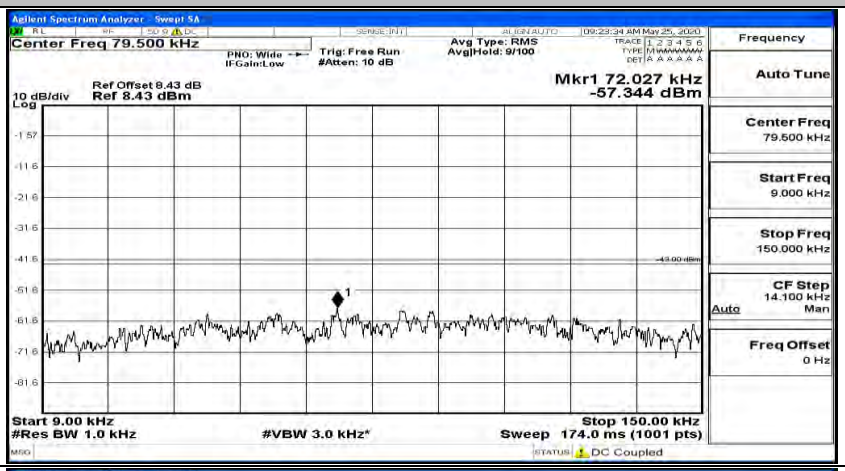


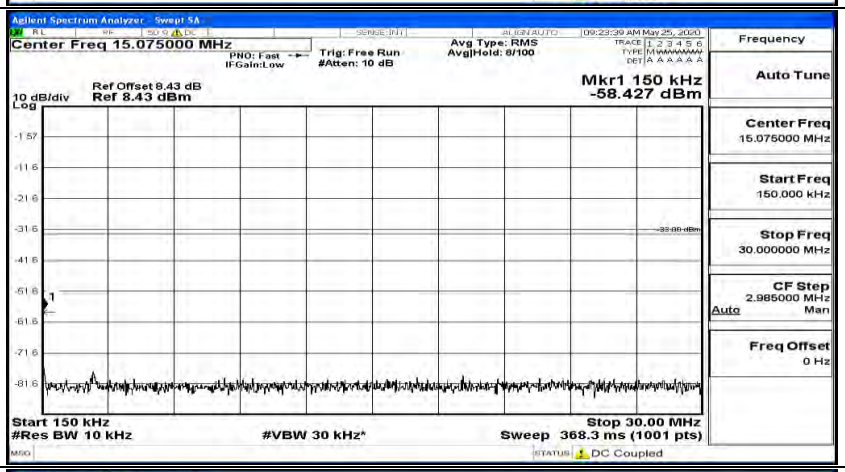
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14

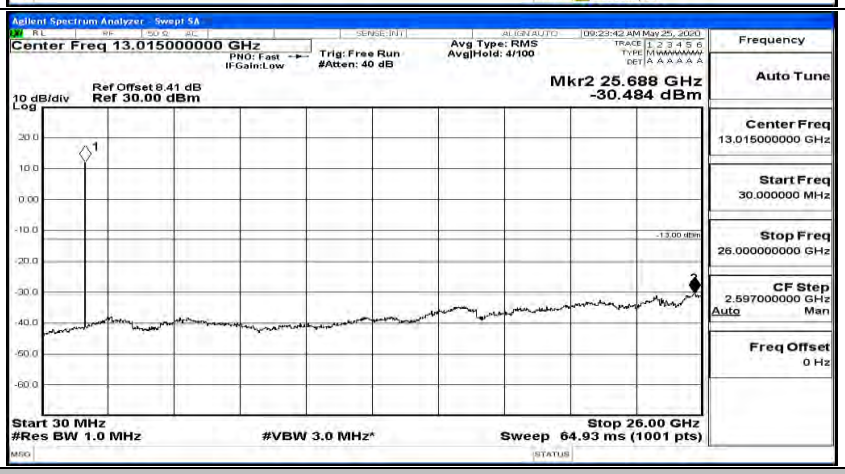




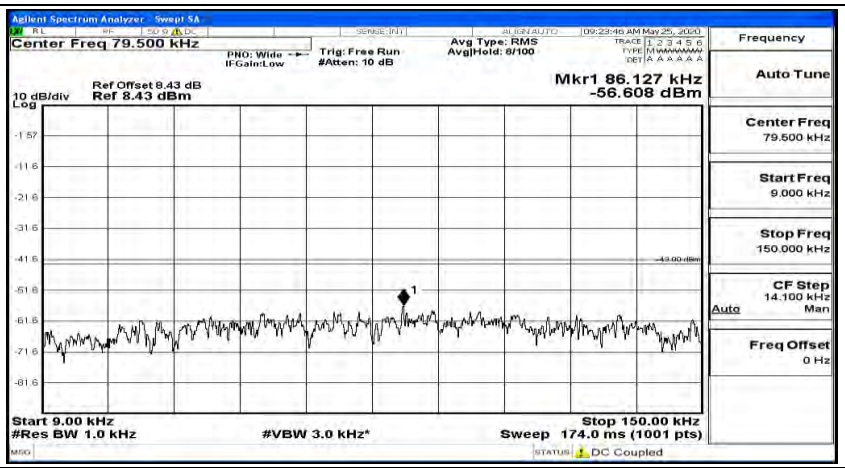
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0

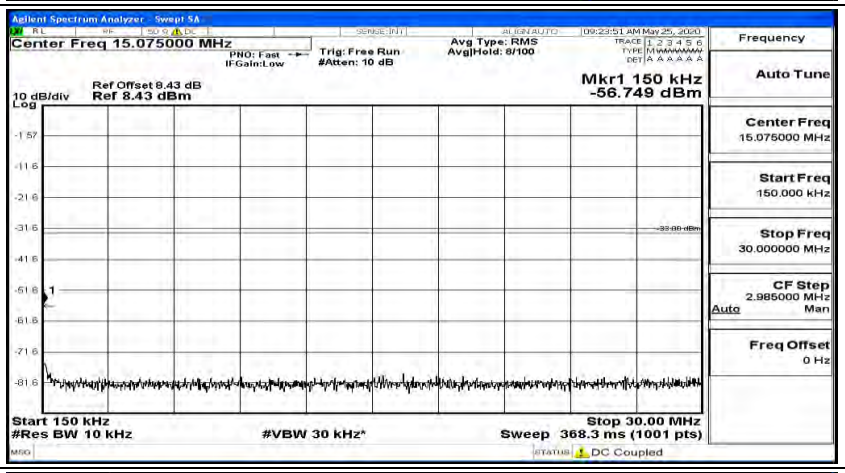


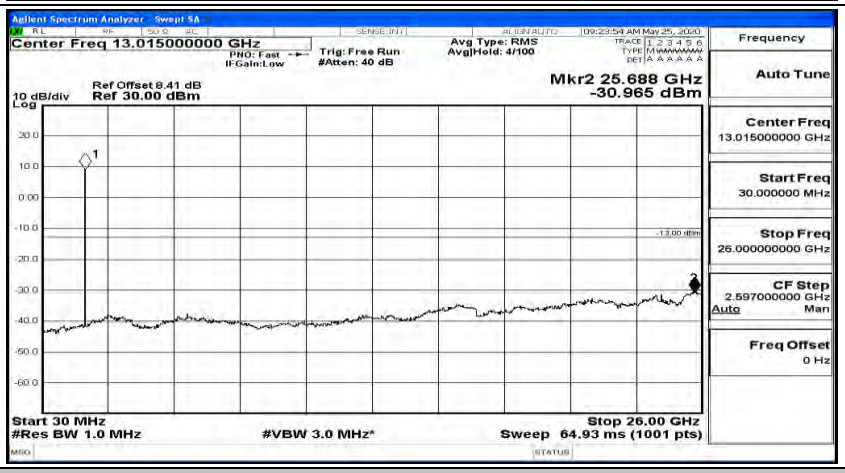




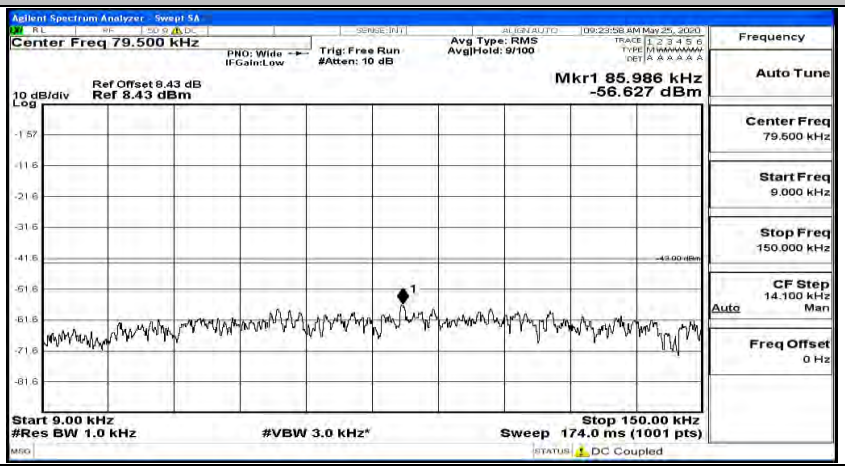
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7

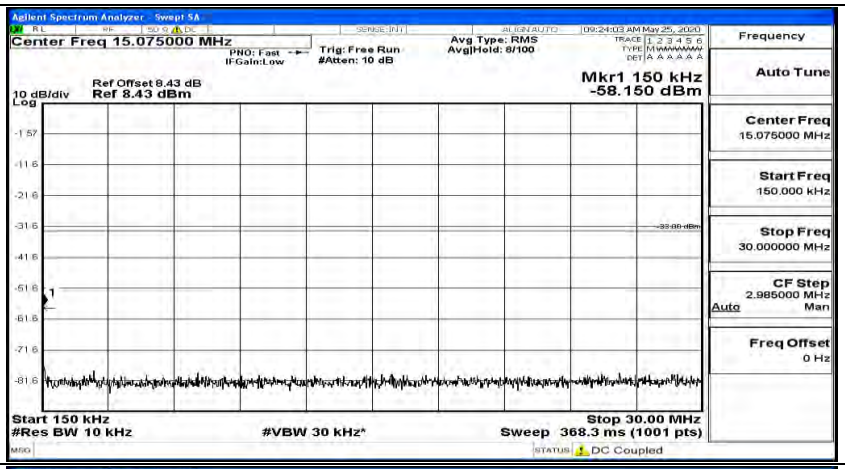


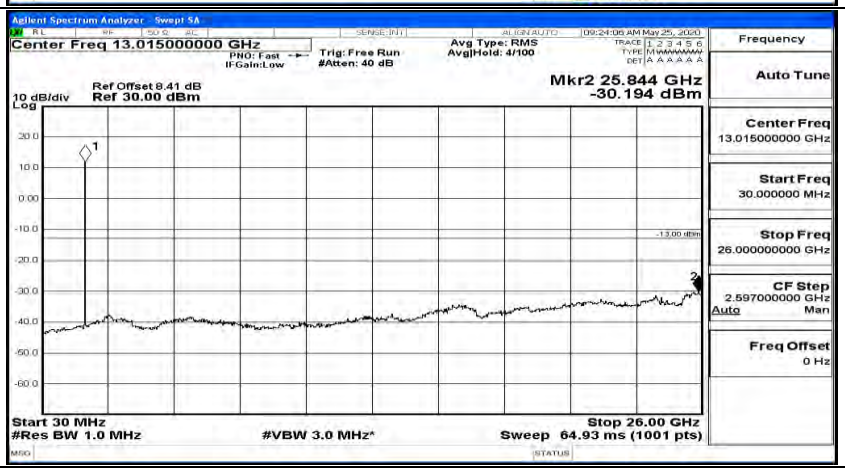




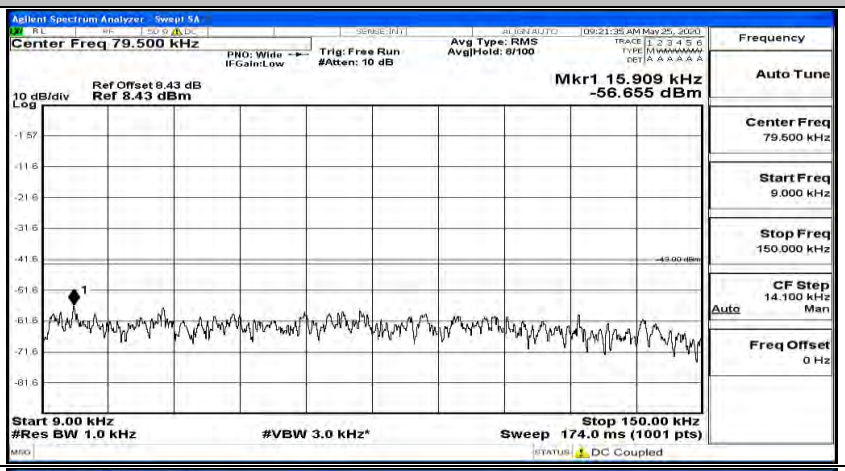
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14

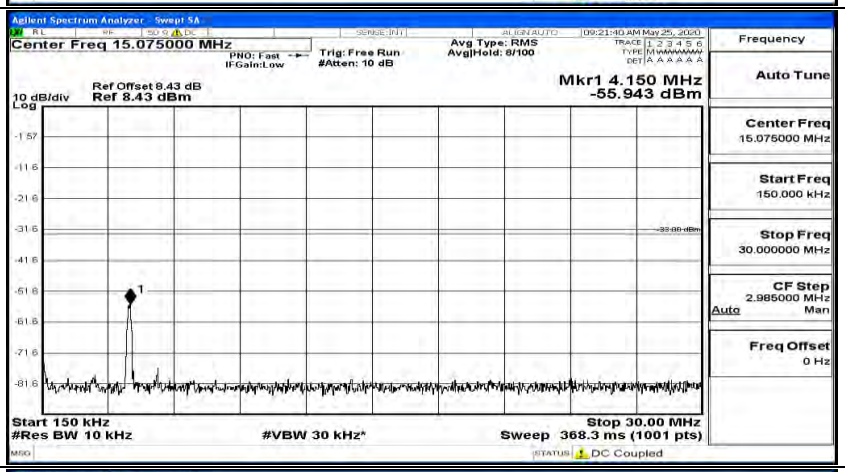


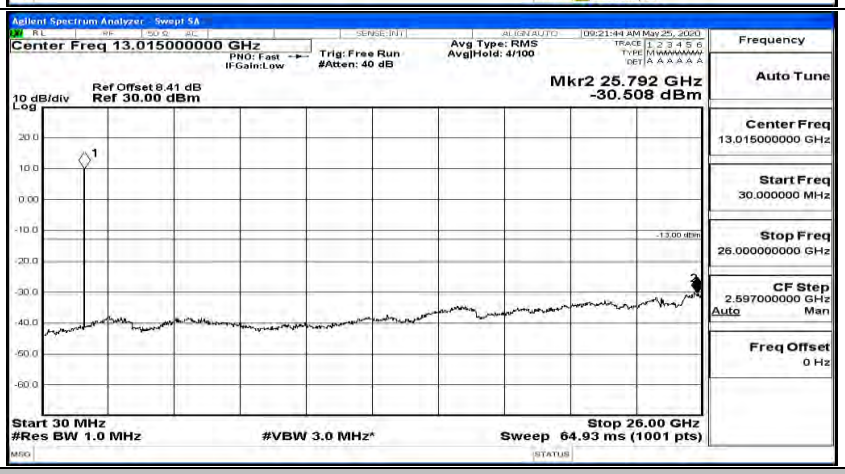

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 8/100
09:24:03 AM May 25, 2020
Ref Offset 8.43 dB
10 dB/div
Ref 8.43 dBm
Mkr1 150 kHz
-58.150 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz*
Stop 30.00 MHz
Sweep 368.3 ms (1001 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 13.015000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold: 4/100
09:24:06 AM May 25, 2020
Ref Offset 8.41 dB
10 dB/div
Ref 30.00 dBm
Mkr2 25.844 GHz
-30.194 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.00 GHz
Sweep 64.93 ms (1001 pts)
Frequency
Auto Tune
Center Freq
13.015000000 GHz
Start Freq
30.000000 MHz
Stop Freq
26.000000000 GHz
CF Step
2.597000000 GHz
Auto
Man
Freq Offset
0 Hz

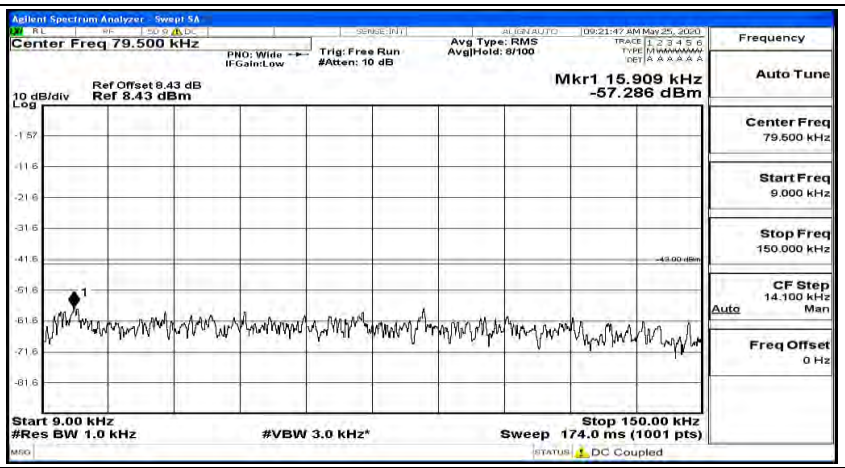
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0

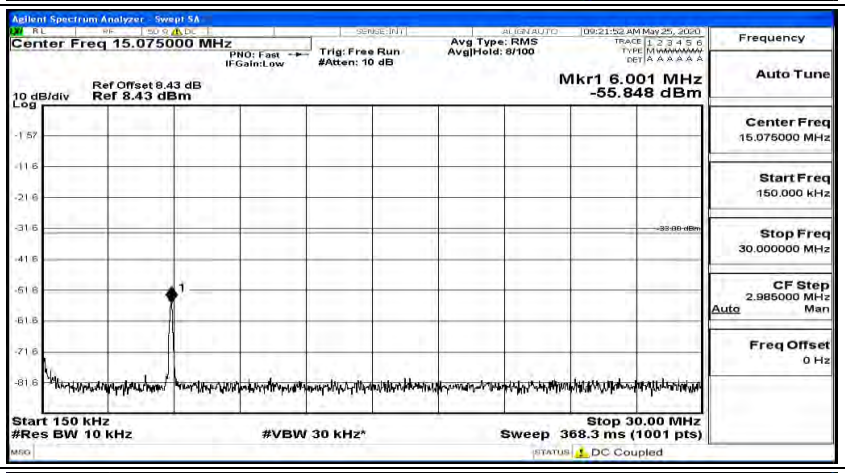


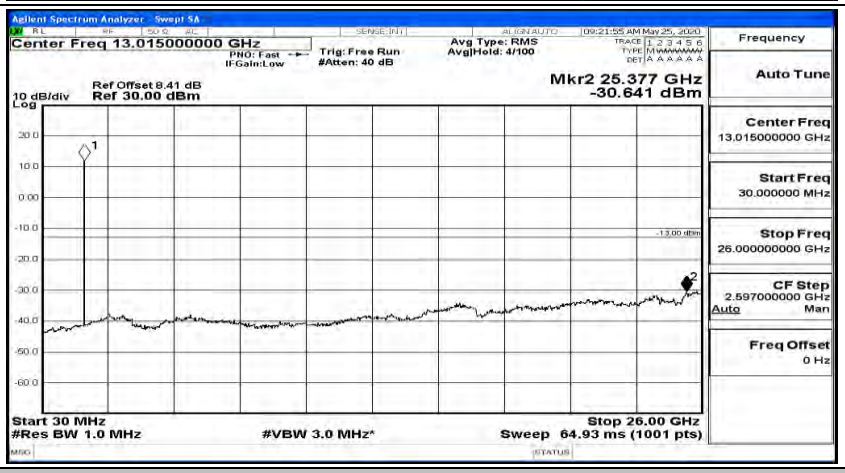




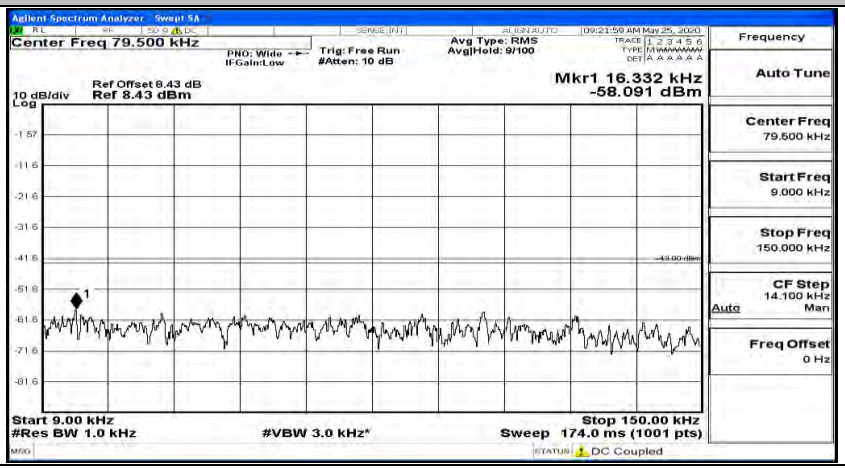
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7

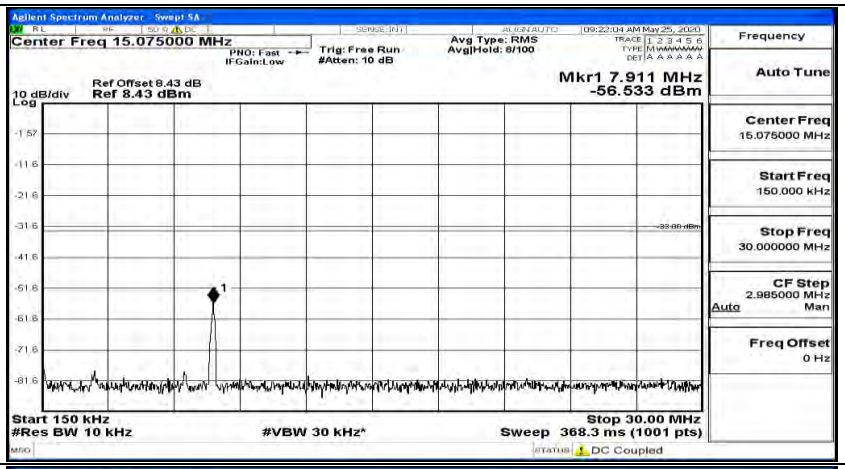






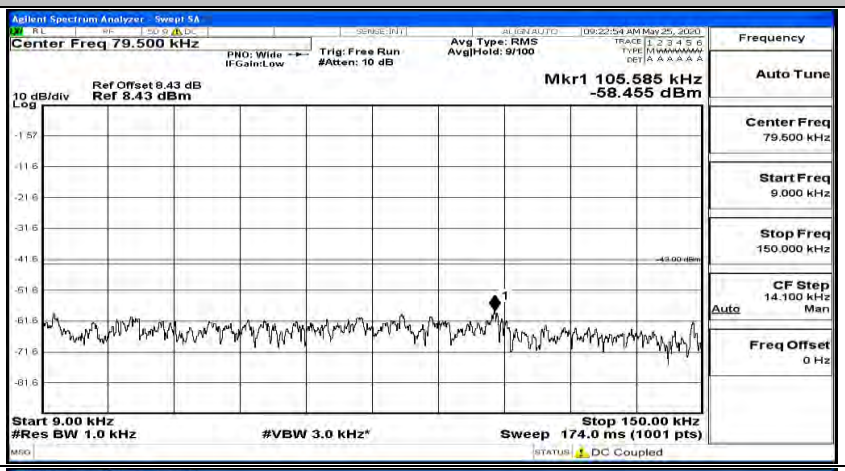
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14

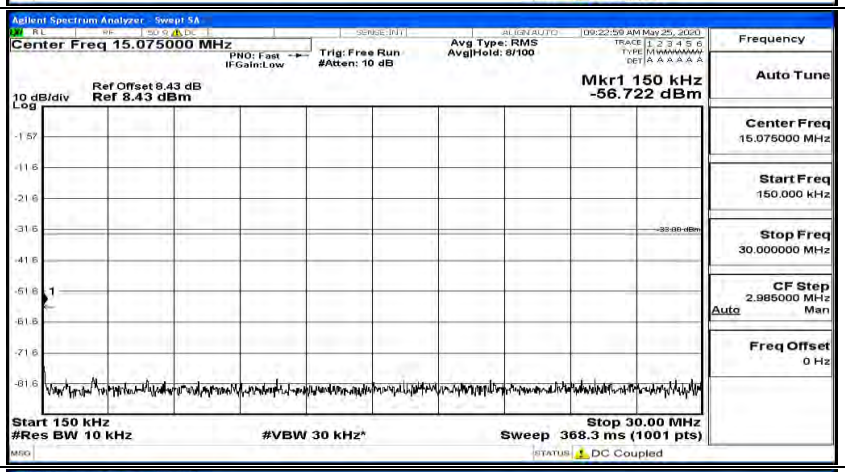


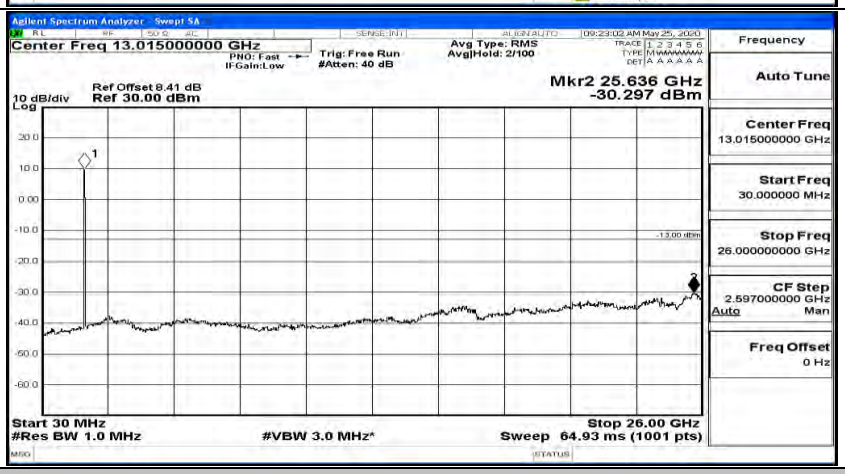

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 8/100
09:22:04 AM May 25, 2020
Ref Offset 8.43 dB
10 dB/div
Ref 8.43 dBm
Mkr1 7.911 MHz
-56.533 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz*
Stop 30.00 MHz
Sweep 368.3 ms (1001 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 13.015000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold: 4/100
09:22:07 AM May 25, 2020
Ref Offset 8.41 dB
10 dB/div
Ref 30.00 dBm
Mkr2 25.662 GHz
-30.033 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.00 GHz
Sweep 64.93 ms (1001 pts)
Frequency
Auto Tune
Center Freq
13.015000000 GHz
Start Freq
30.000000 MHz
Stop Freq
26.000000000 GHz
CF Step
2.597000000 GHz
Auto
Man
Freq Offset
0 Hz

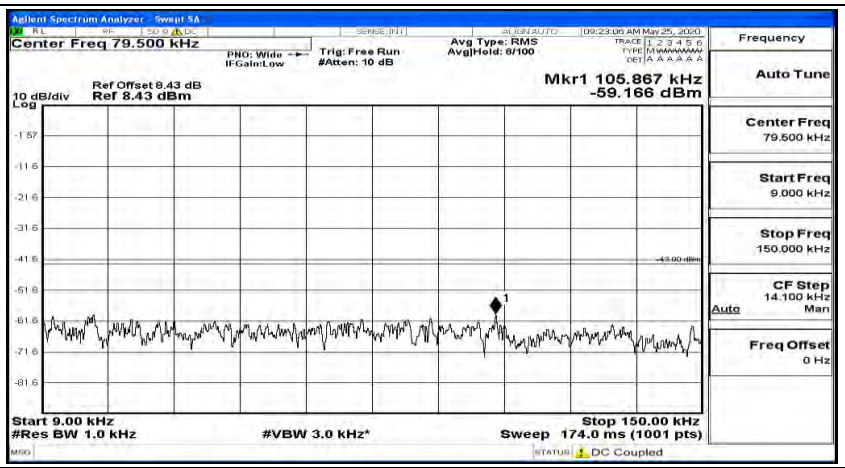
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0

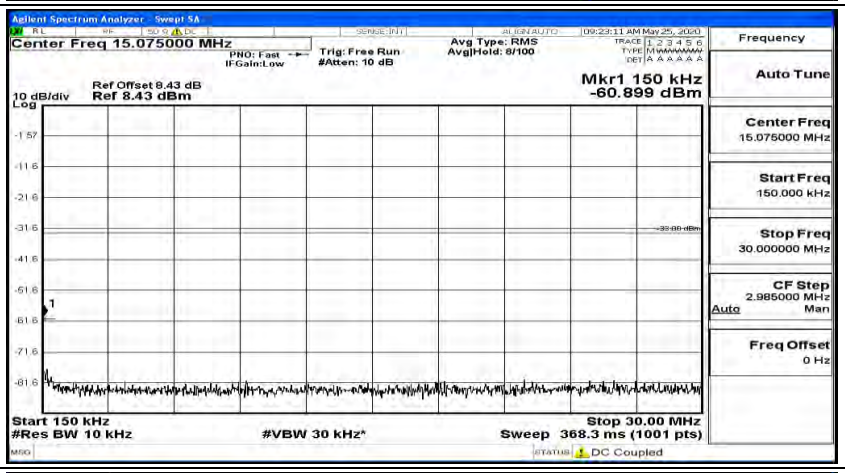


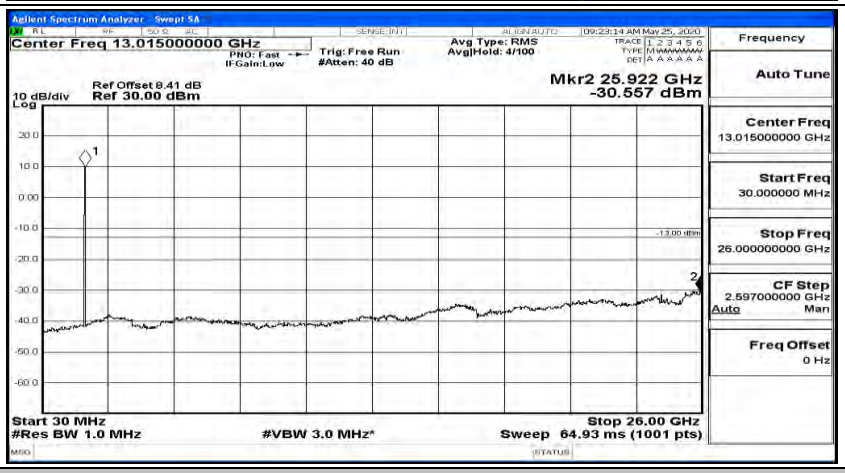




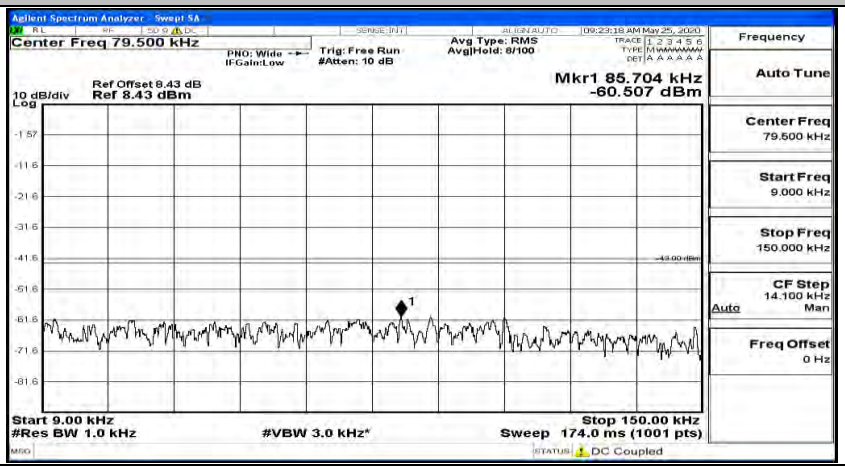
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7

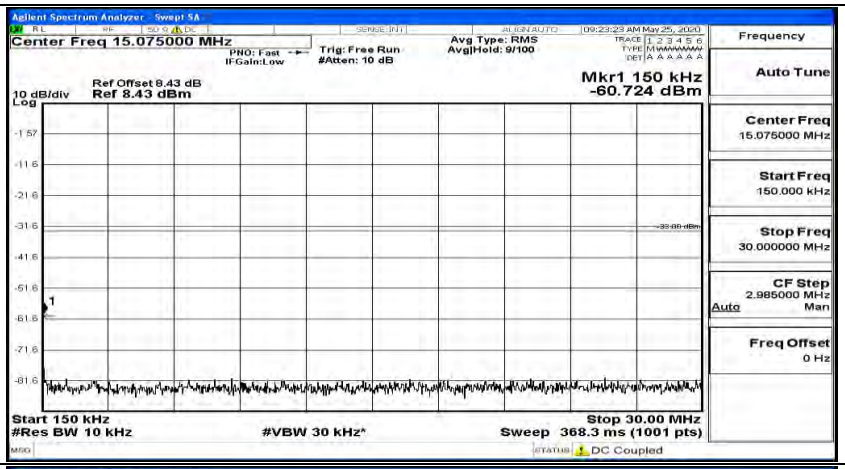


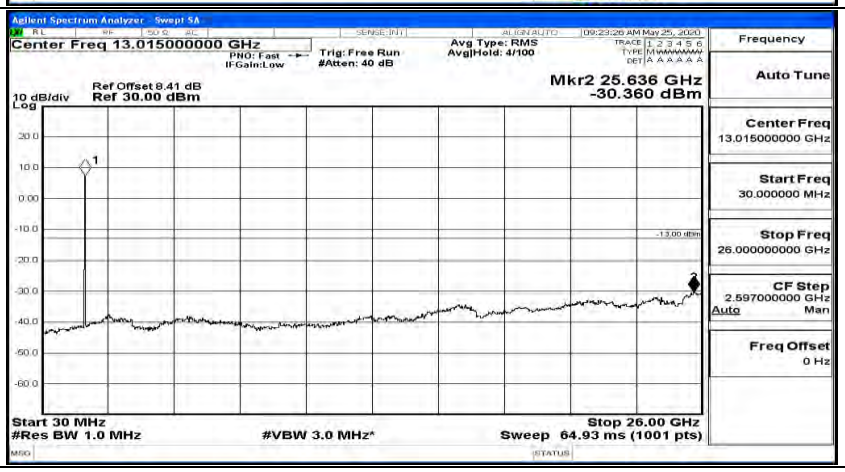




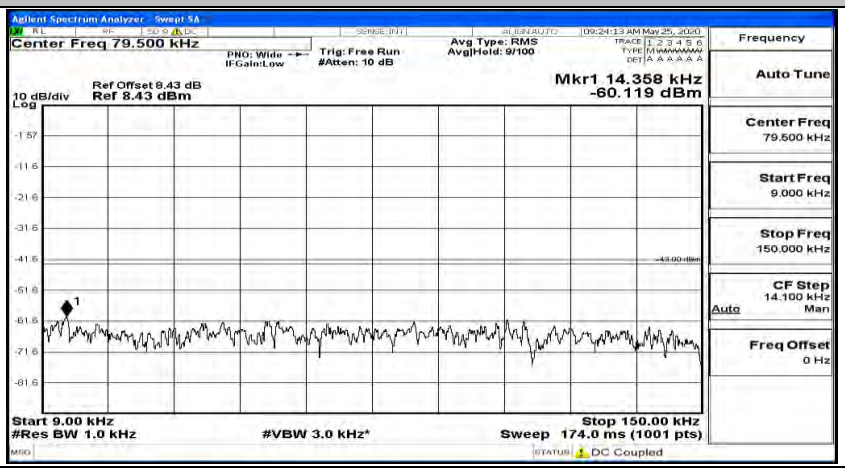
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14

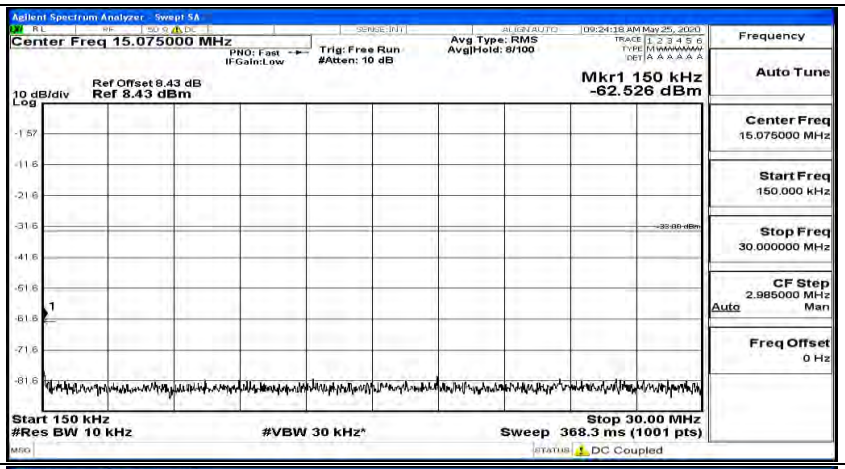


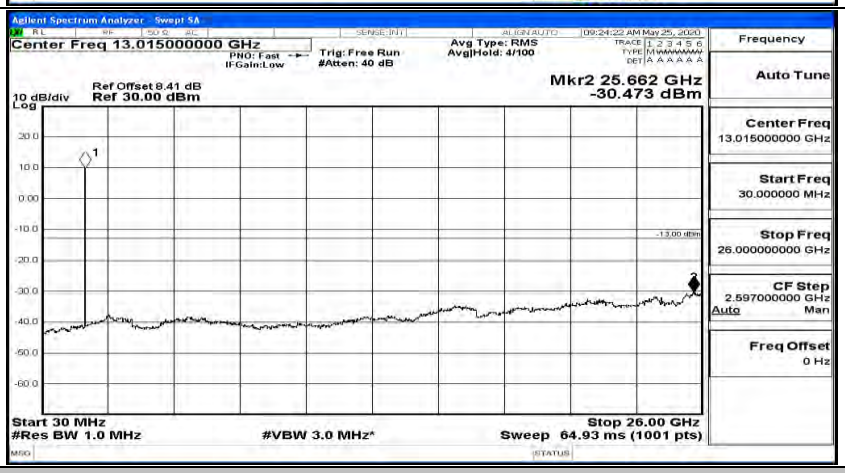




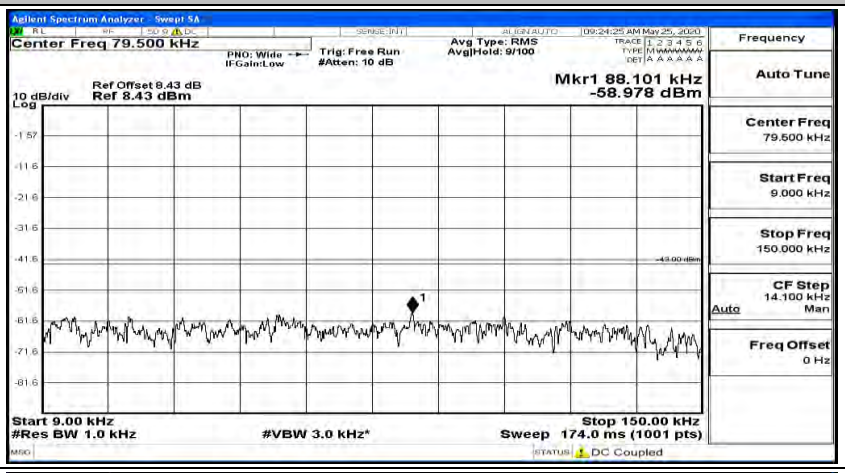
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0

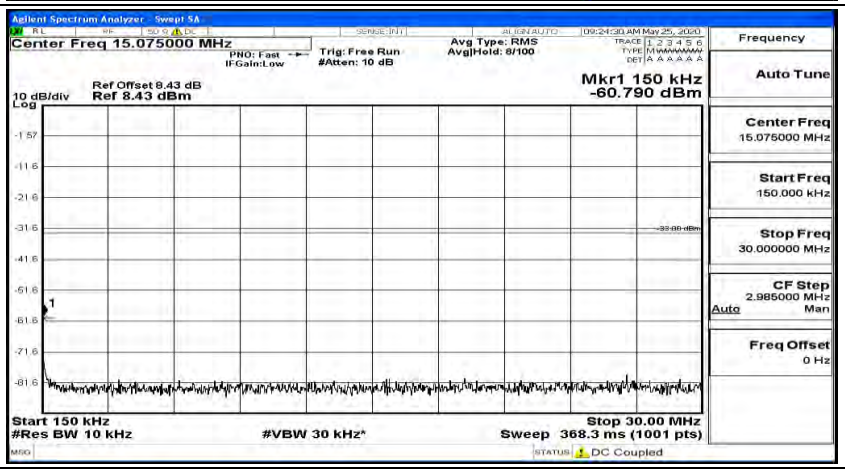


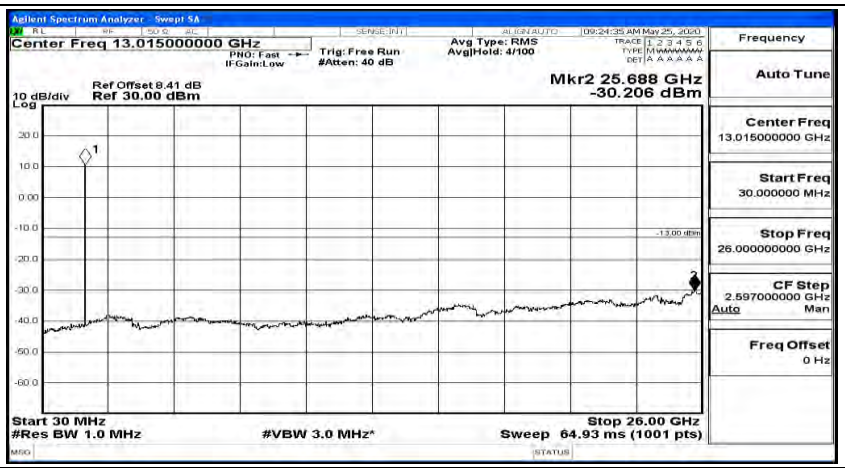




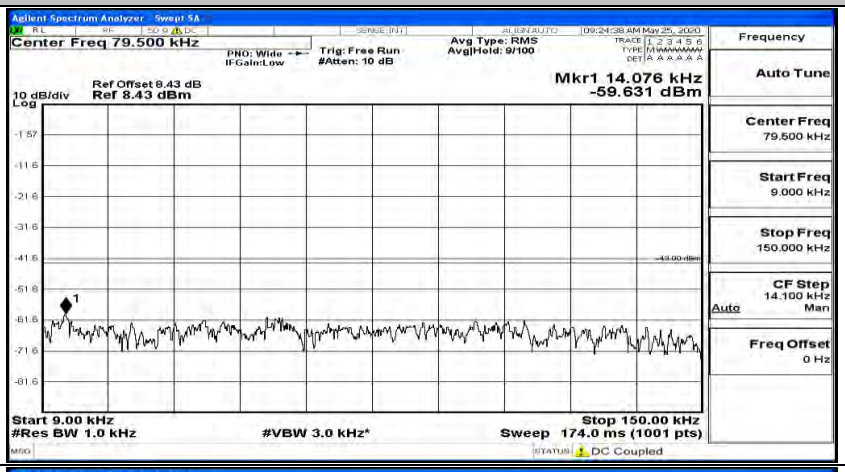
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7

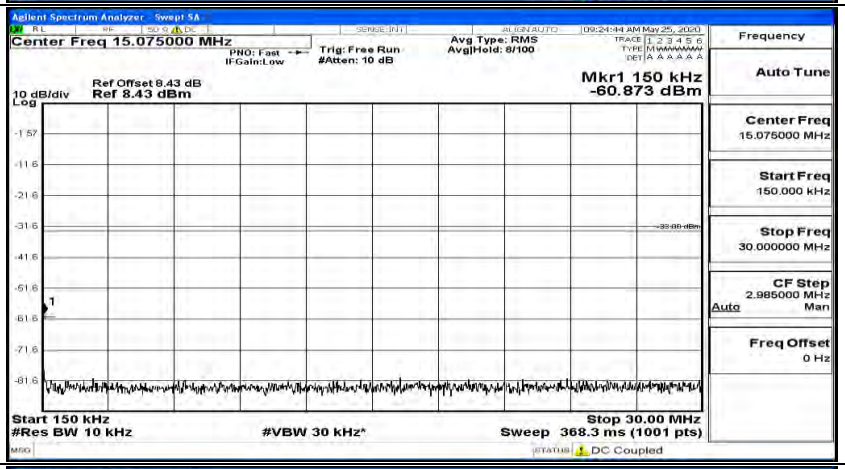






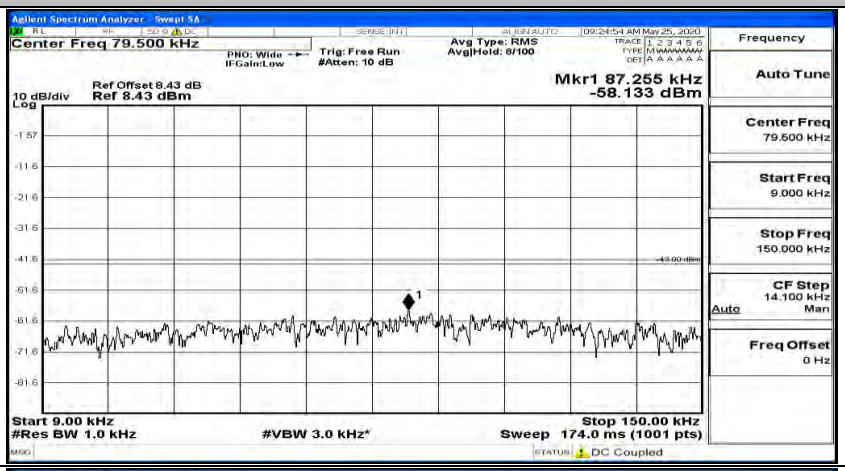
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14

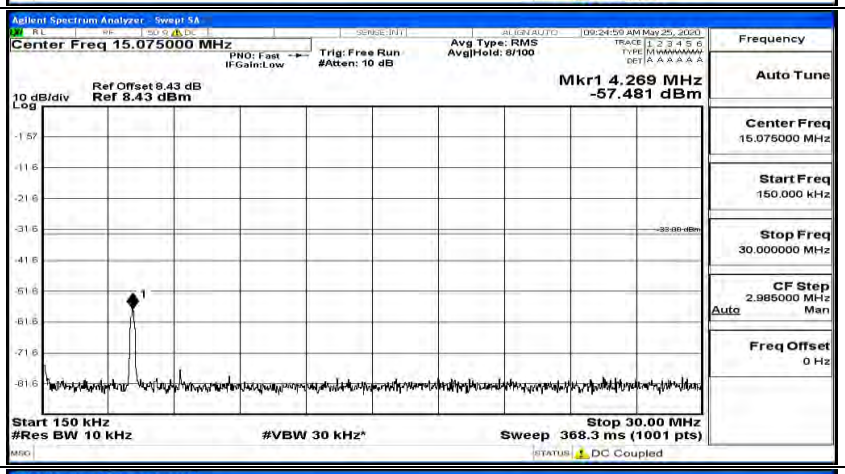




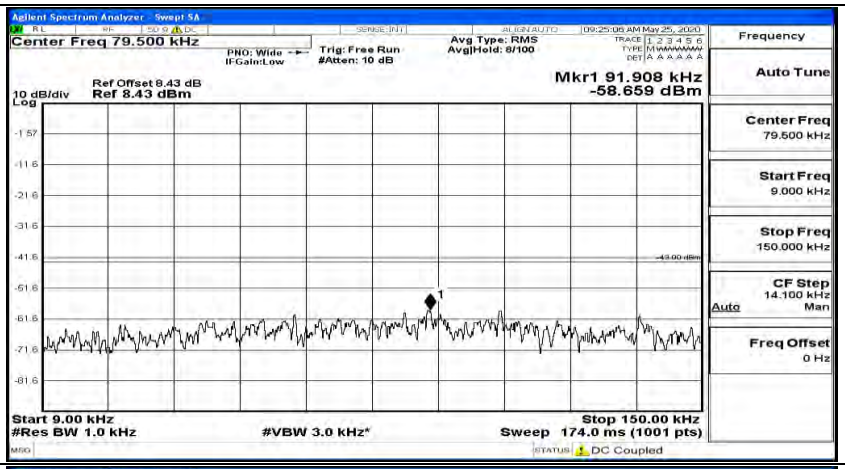
Channel Bandwidth: 5 MHz

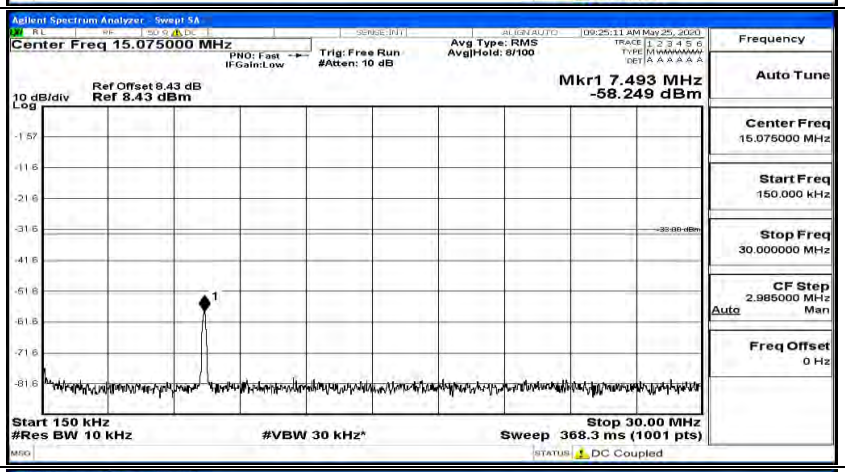
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



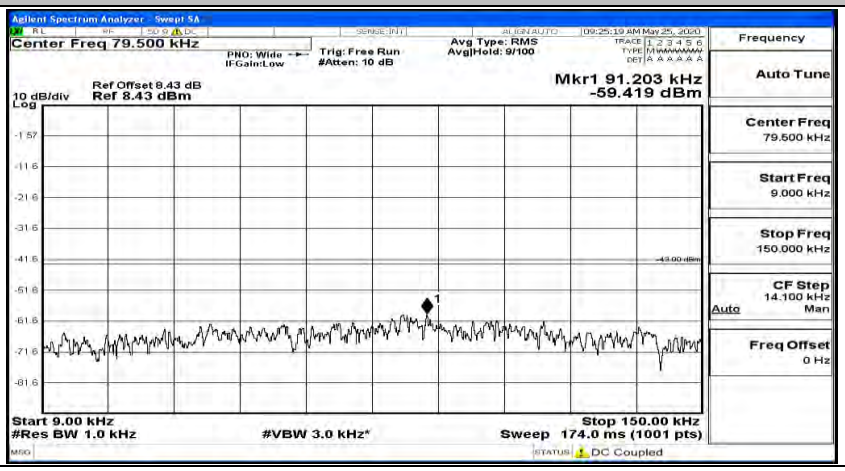


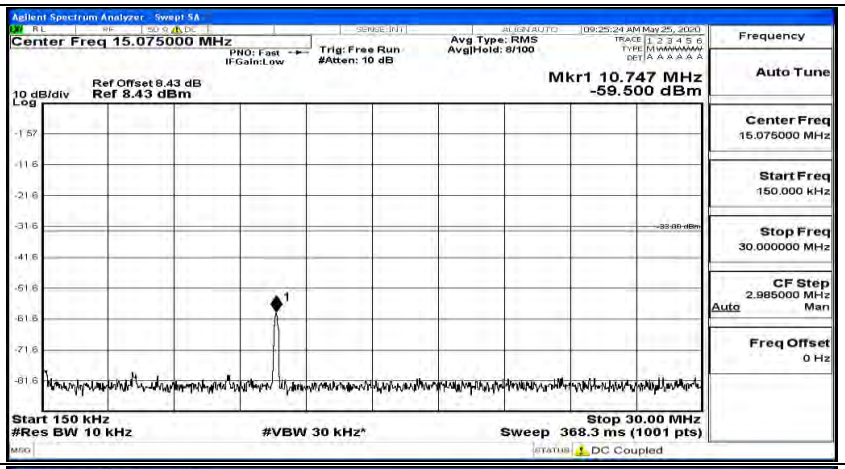
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



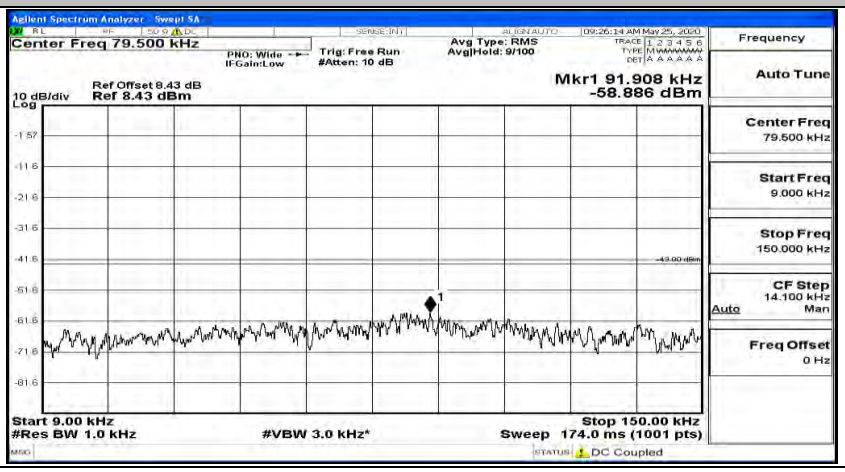


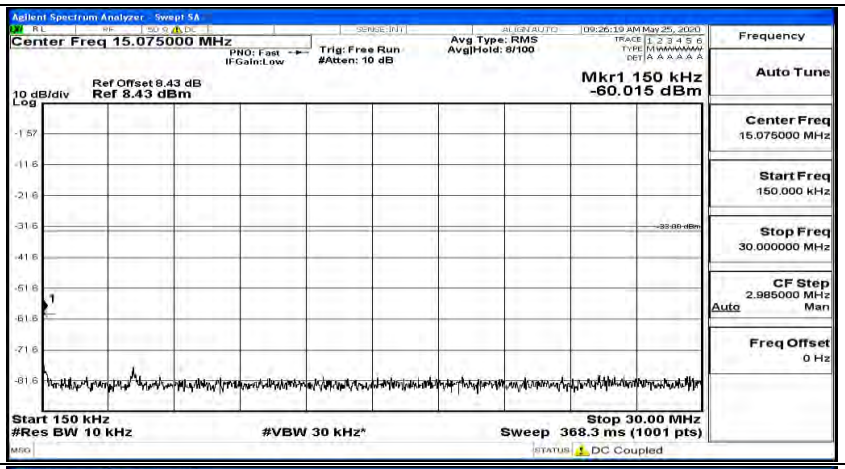
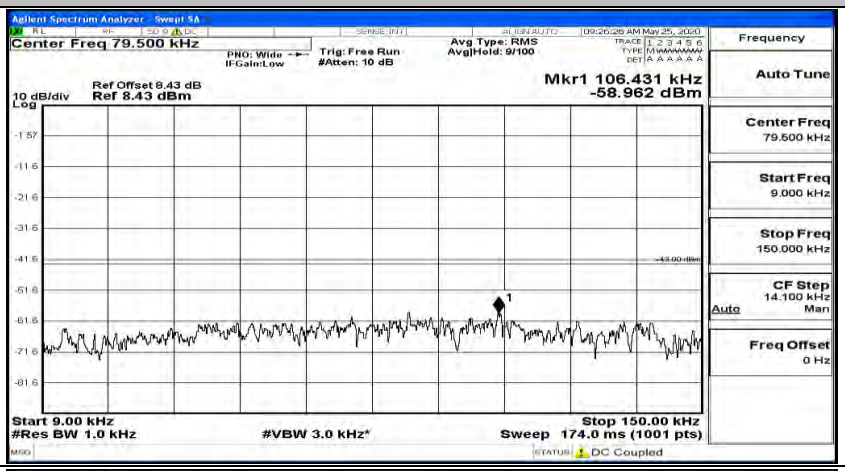
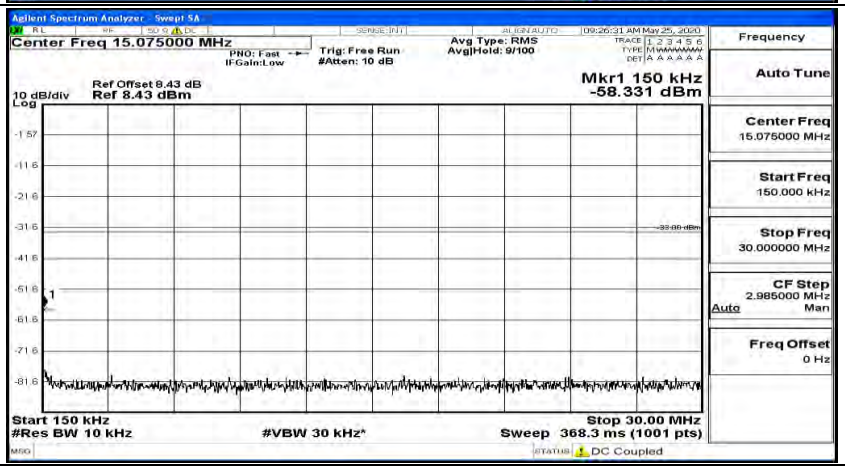
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24





(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0





(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12