Appendix E: Test Data for E-UTRA Band 4

Product Name: Smartphone
Trade Mark: NSPRE
Test Model: NX-20PRO1

Environmental Conditions

Temperature:	23.5° C
Relative Humidity:	54.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Li Huan

E.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	22.97	22.41	PASS
		1	3	22.83	22.35	PASS
		1	5	22.72	22.17	PASS
		3	0	22.88	22.11	PASS
		3	2	22.83	22.07	PASS
		3	3	22.85	21.97	PASS
		6	0	22.49	21.47	PASS
	MCH	1	0	23.13	21.93	PASS
		1	3	23.14	21.90	PASS
		1	5	23.00	21.75	PASS
		3	0	22.93	21.49	PASS
		3	2	22.98	21.49	PASS
		3	3	22.83	21.55	PASS
		6	0	21.65	20.63	PASS
	HCH	1	0	23.26	21.95	PASS
		1	3	23.47	22.17	PASS
		1	5	23.52	22.04	PASS
		3	0	23.27	22.30	PASS
		3	2	23.40	22.31	PASS
		3	3	23.40	22.02	PASS
		6	0	22.22	21.65	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	23.45	22.95	PASS
		1	7	23.35	22.48	PASS
		1	14	23.00	22.17	PASS
		8	0	22.21	21.70	PASS
		8	4	22.21	21.63	PASS
		8	7	22.10	21.41	PASS
		15	0	22.27	21.26	PASS
	MCH	1	0	22.90	21.64	PASS
		1	7	22.78	21.50	PASS
		1	14	22.74	21.32	PASS
		8	0	21.69	20.66	PASS
		8	4	21.68	20.77	PASS
		8	7	21.65	20.55	PASS
		15	0	21.64	20.87	PASS
	HCH	1	0	22.98	22.15	PASS
		1	7	23.37	22.55	PASS
		1	14	23.48	22.62	PASS
		8	0	21.96	20.88	PASS
		8	4	22.11	21.04	PASS
		8	7	22.26	21.12	PASS
		15	0	22.04	21.17	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	23.27	22.05	PASS
		1	12	22.92	21.55	PASS
		1	24	22.42	21.57	PASS
		12	0	22.31	21.44	PASS
		12	6	22.29	21.22	PASS
		12	13	22.27	21.20	PASS
		25	0	22.31	21.36	PASS
	MCH	1	0	23.01	21.61	PASS
		1	12	22.94	21.47	PASS
		1	24	22.60	21.35	PASS
		12	0	21.78	20.85	PASS
		12	6	21.72	20.71	PASS
		12	13	21.69	20.59	PASS
		25	0	21.82	20.94	PASS
	HCH	1	0	23.25	21.67	PASS
		1	12	24.06	22.39	PASS
		1	24	23.71	22.22	PASS
		12	0	22.24	21.01	PASS
		12	6	22.45	21.22	PASS
		12	13	22.45	21.39	PASS
		25	0	22.22	21.42	PASS

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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	22.31	21.67	PASS
		1	24	22.39	21.77	PASS
		1	49	22.22	21.61	PASS
		25	0	22.22	21.31	PASS
		25	12	22.21	21.30	PASS
		25	25	22.14	21.26	PASS
		50	0	22.12	21.22	PASS
	MCH	1	0	22.58	21.91	PASS
		1	24	23.25	22.65	PASS
		1	49	22.97	22.55	PASS
		25	0	21.95	21.18	PASS
		25	12	21.90	21.01	PASS
		25	25	21.81	20.83	PASS
		50	0	21.82	20.95	PASS
	HCH	1	0	22.58	21.91	PASS
		1	24	23.46	22.84	PASS
		1	49	23.84	23.20	PASS
		25	0	22.08	21.10	PASS
		25	12	22.29	21.25	PASS
		25	25	22.43	21.35	PASS
		50	0	22.17	21.19	PASS

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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	22.11	21.41	PASS
		1	37	22.54	21.93	PASS
		1	74	23.03	22.39	PASS
		37	0	21.98	21.07	PASS
		37	18	22.41	21.51	PASS
		37	38	22.93	21.88	PASS
		75	0	22.42	21.53	PASS
	MCH	1	0	22.73	22.17	PASS
		1	37	23.08	22.55	PASS
		1	74	22.56	22.76	PASS
		37	0	22.10	21.07	PASS
		37	18	21.95	21.05	PASS
		37	38	21.70	20.83	PASS
		75	0	21.94	21.03	PASS
	HCH	1	0	23.03	21.71	PASS
		1	37	22.97	22.04	PASS
		1	74	23.52	22.43	PASS
		37	0	21.87	20.98	PASS
		37	18	22.12	21.17	PASS
		37	38	22.35	21.43	PASS
		75	0	22.13	21.24	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	21.66	20.81	PASS
		1	49	23.18	22.39	PASS
		1	99	22.02	21.22	PASS
		50	0	21.89	21.00	PASS
		50	25	22.90	21.91	PASS
		50	50	22.51	21.44	PASS
		100	0	22.48	21.53	PASS
	MCH	1	0	22.55	21.78	PASS
		1	49	22.94	21.52	PASS
		1	99	22.59	21.23	PASS
		50	0	22.24	21.28	PASS
		50	25	21.92	21.12	PASS
		50	50	21.76	20.41	PASS
		100	0	21.91	20.99	PASS
	HCH	1	0	22.76	21.58	PASS
		1	49	23.13	21.86	PASS
		1	99	23.16	22.28	PASS
		50	0	21.84	20.80	PASS
		50	25	21.94	20.93	PASS
		50	50	22.16	21.09	PASS
		100	0	21.99	21.02	PASS

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E.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	5.17	<13	PASS
	MCH	5.31	<13	PASS
	HCH	5.21	<13	PASS
16QAM	LCH	6.00	<13	PASS
	MCH	6.10	<13	PASS
	HCH	6.02	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.27	<13	PASS
	MCH	5.36	<13	PASS
	HCH	5.23	<13	PASS
16QAM	LCH	6.15	<13	PASS
	MCH	6.12	<13	PASS
	HCH	6.02	<13	PASS

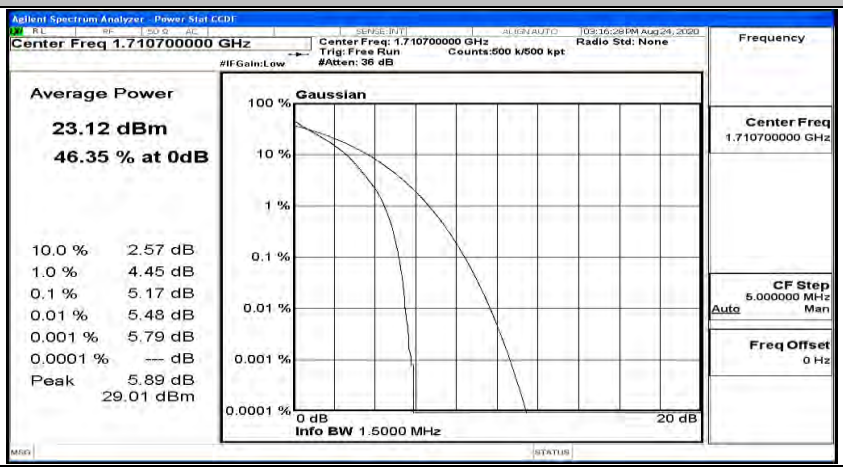
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.32	<13	PASS
	MCH	5.32	<13	PASS
	HCH	5.24	<13	PASS
16QAM	LCH	6.08	<13	PASS
	MCH	6.05	<13	PASS
	HCH	6.05	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.36	<13	PASS
	MCH	5.28	<13	PASS
	HCH	5.30	<13	PASS
16QAM	LCH	6.38	<13	PASS
	MCH	6.02	<13	PASS
	HCH	6.07	<13	PASS

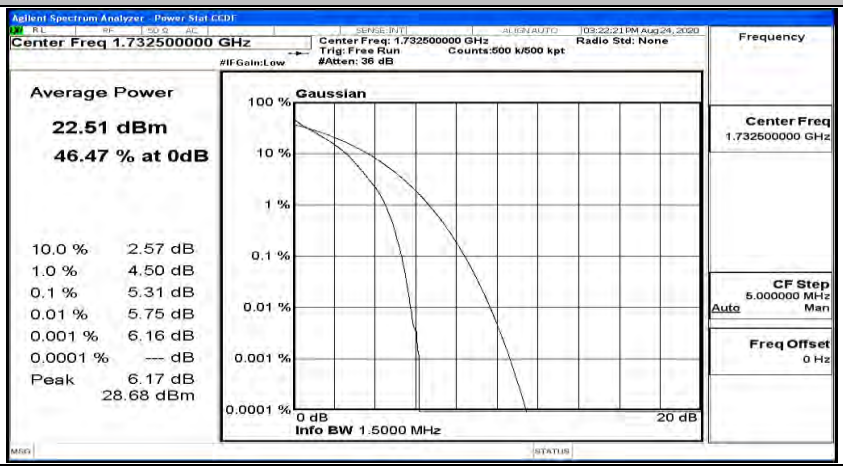
Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.03	<13	PASS
	MCH	8.43	<13	PASS
	HCH	4.99	<13	PASS
16QAM	LCH	6.25	<13	PASS
	MCH	6.19	<13	PASS
	HCH	6.17	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.68	<13	PASS
	MCH	5.73	<13	PASS
	HCH	5.80	<13	PASS
16QAM	LCH	6.73	<13	PASS
	MCH	6.71	<13	PASS
	HCH	6.72	<13	PASS

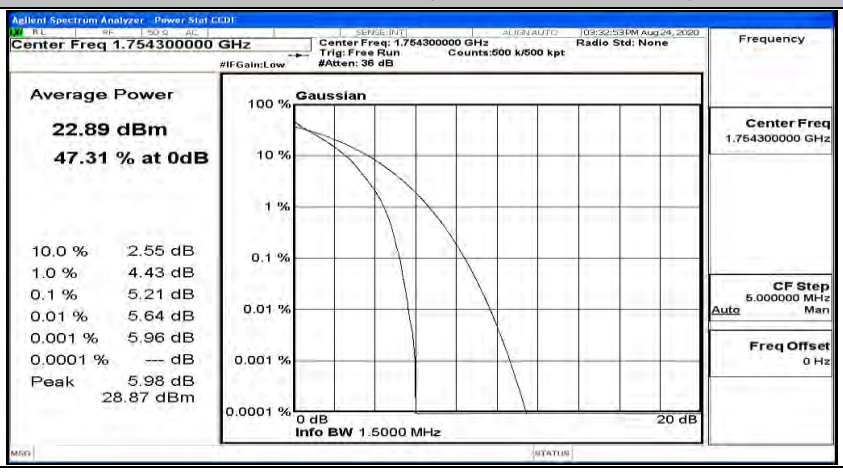
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



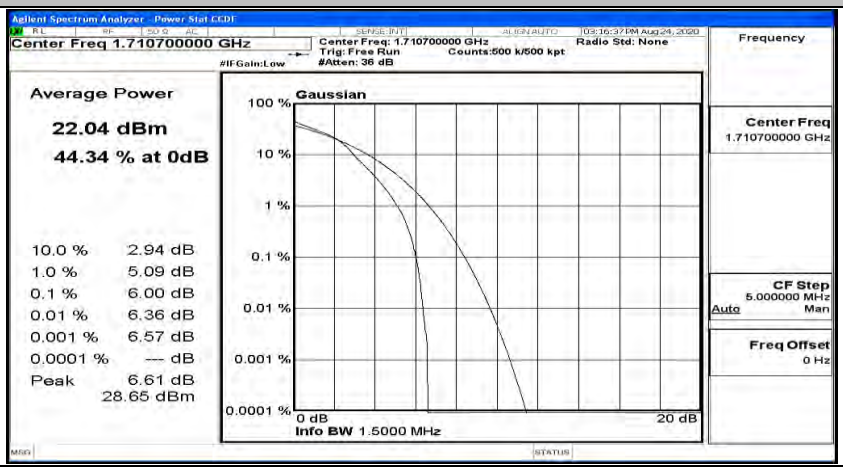
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



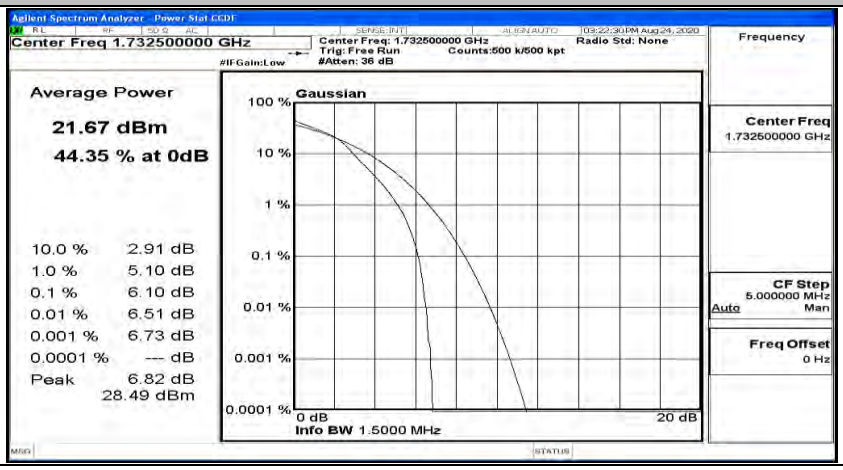
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



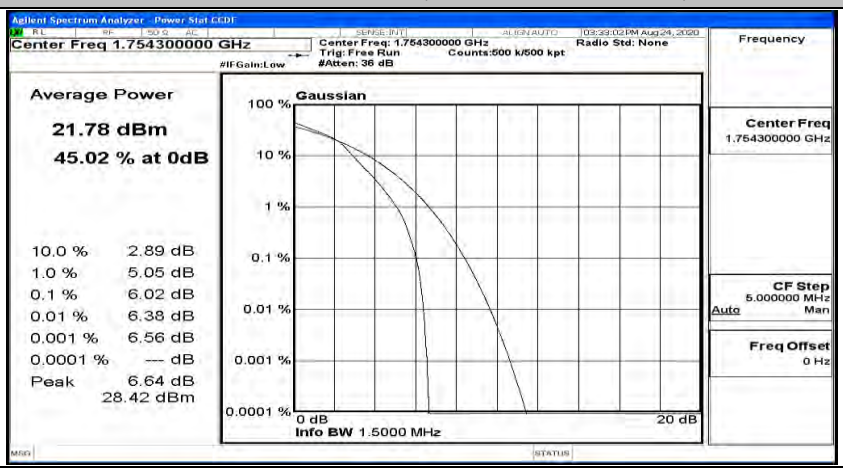
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



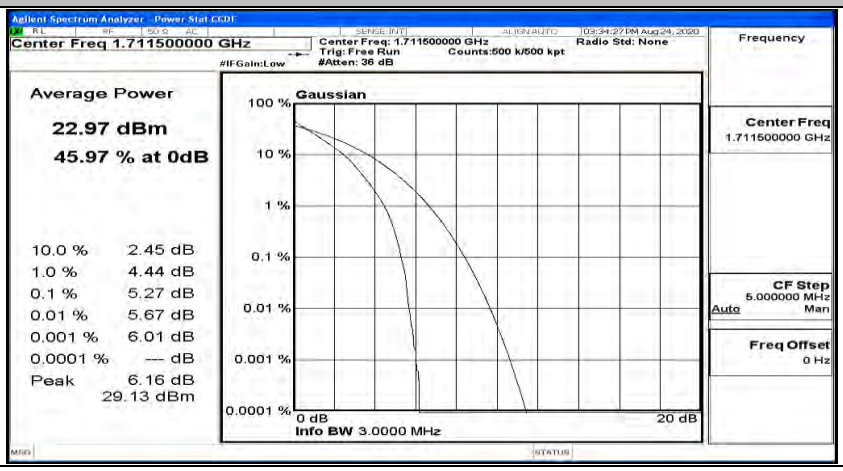
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



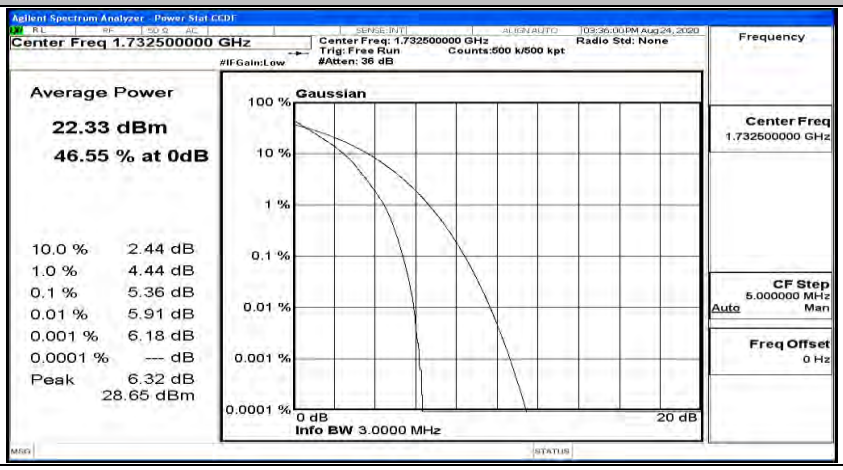
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



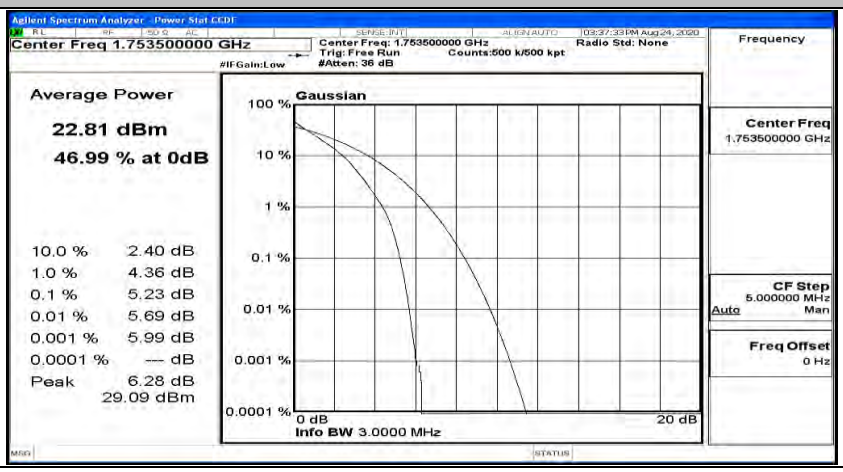
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



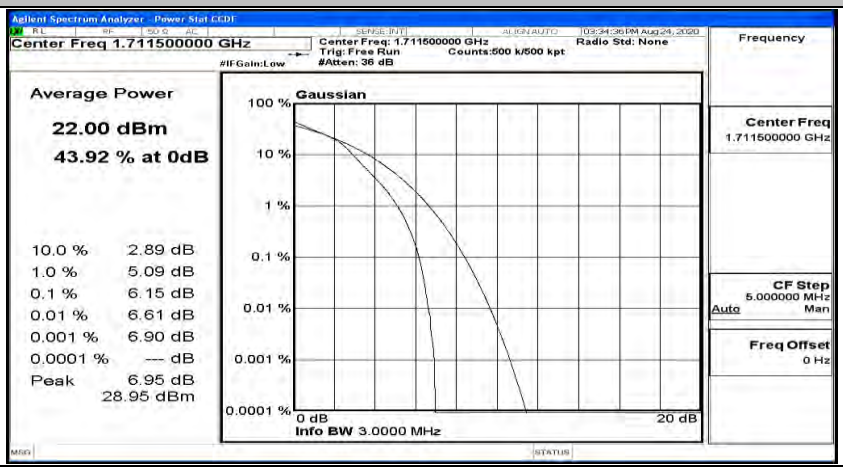
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



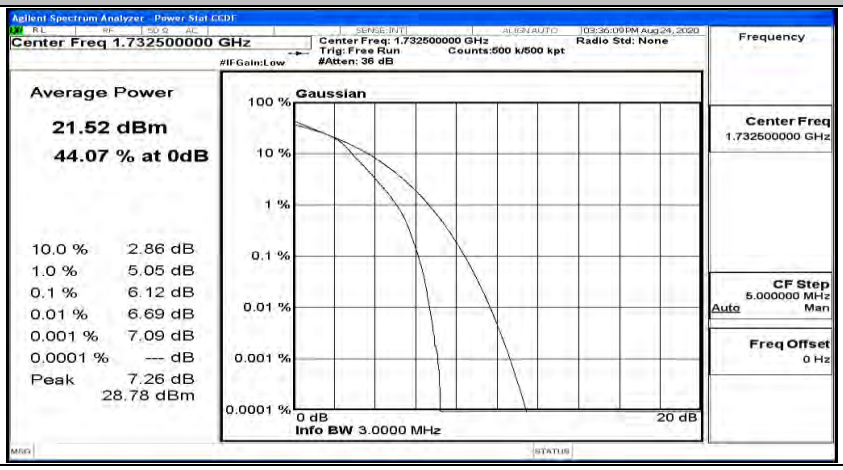
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



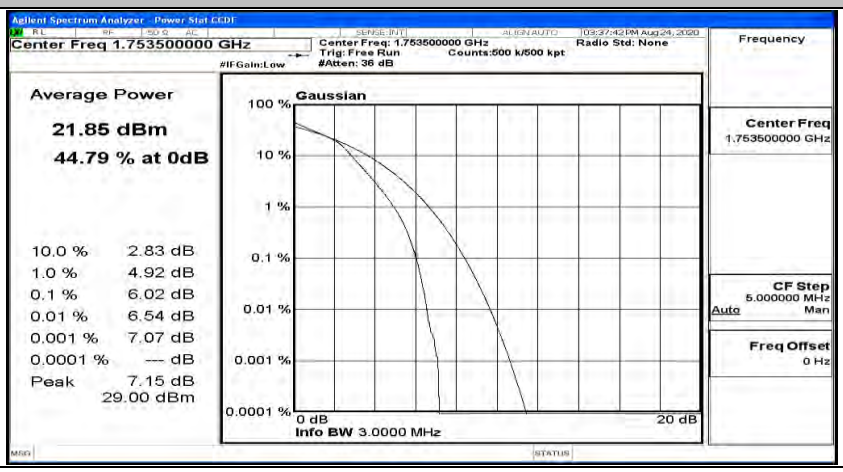
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



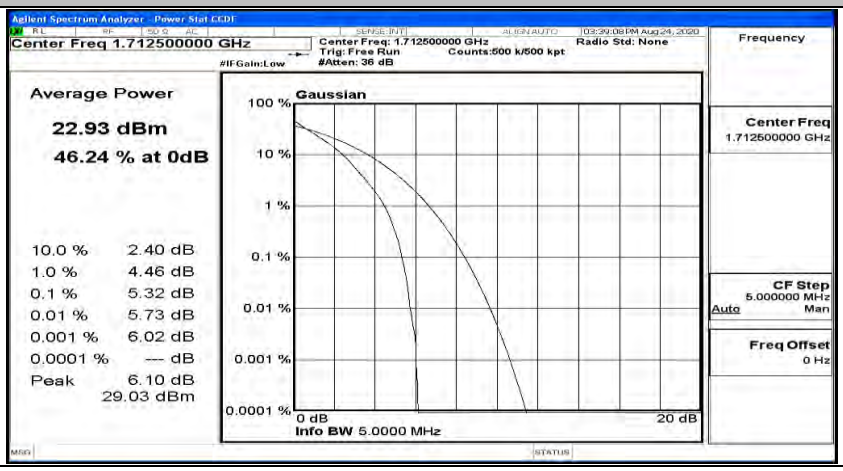
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



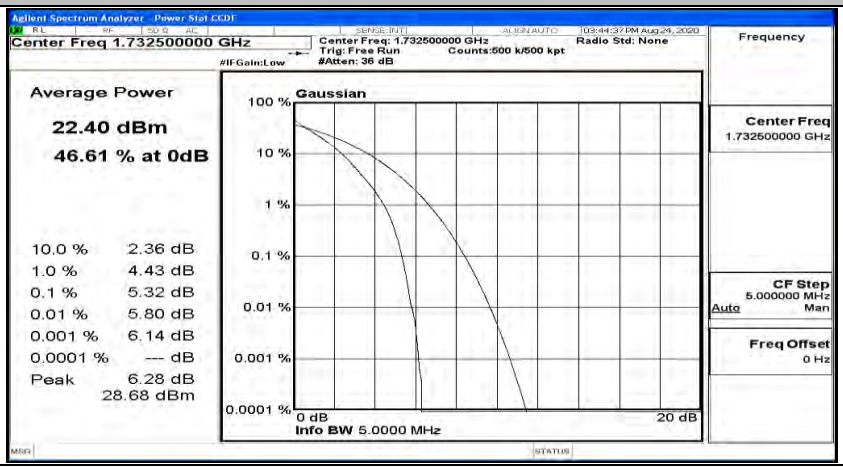
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



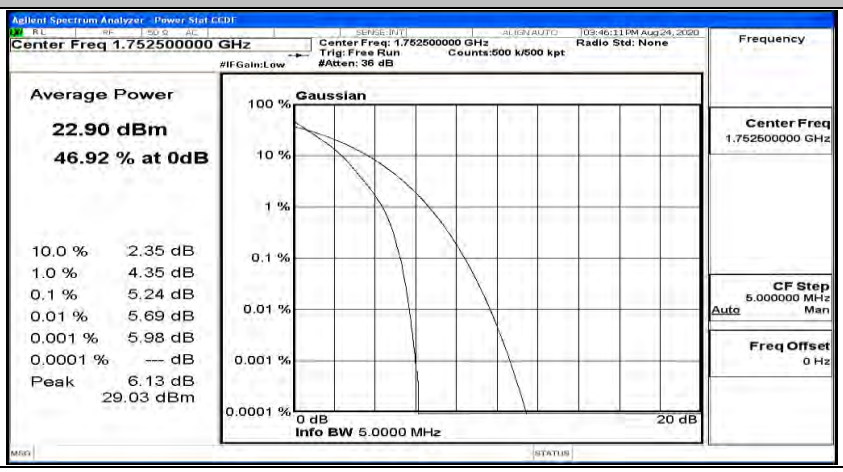
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



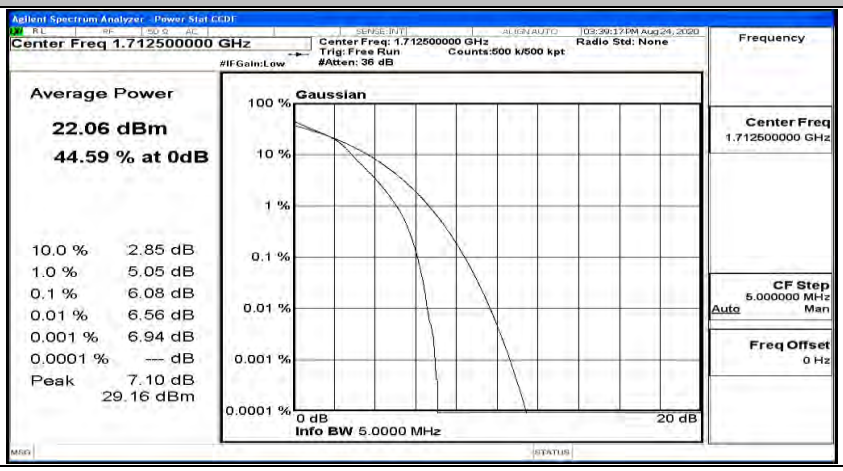
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



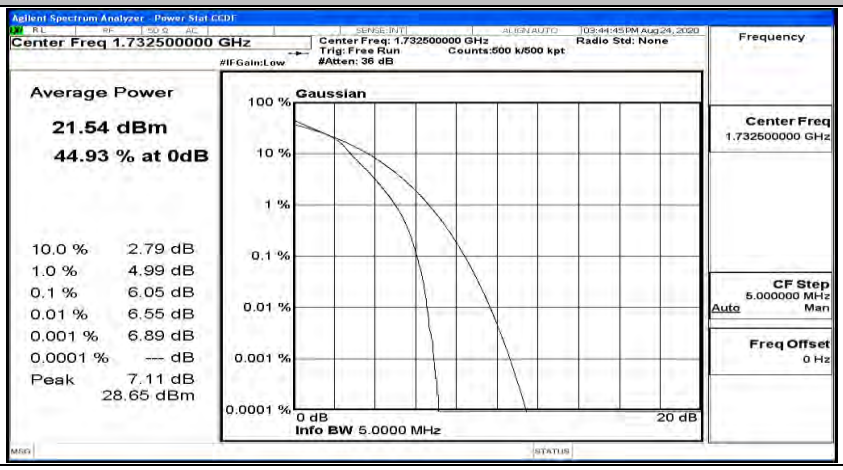
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



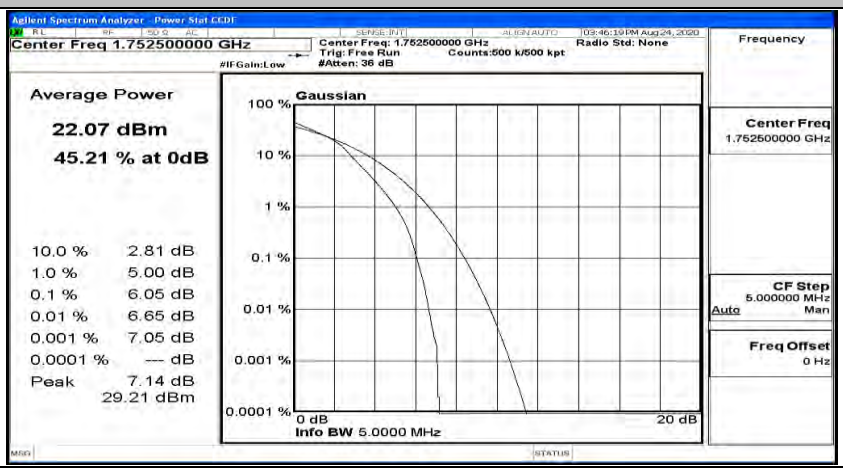
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



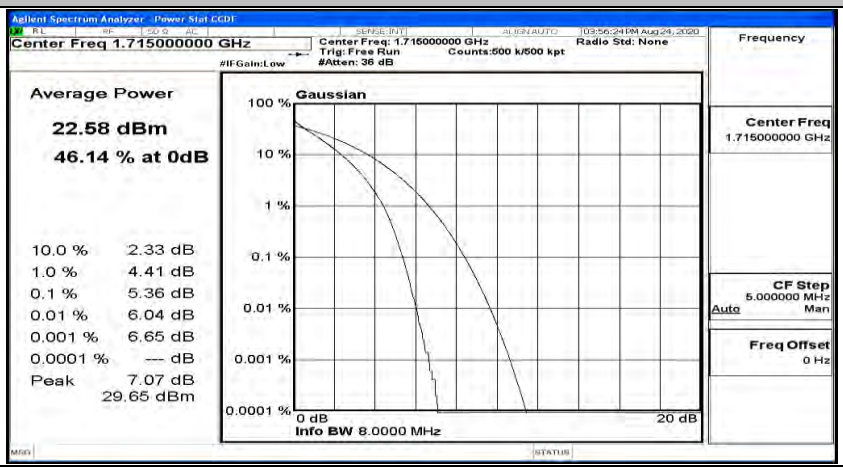
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



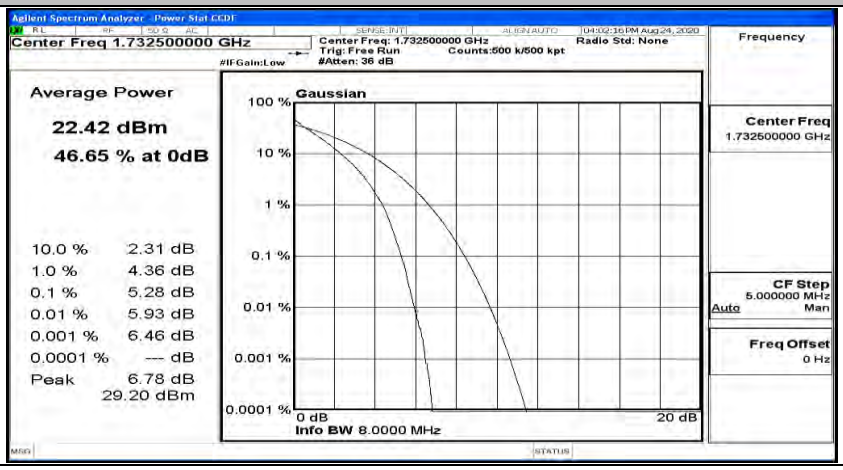
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



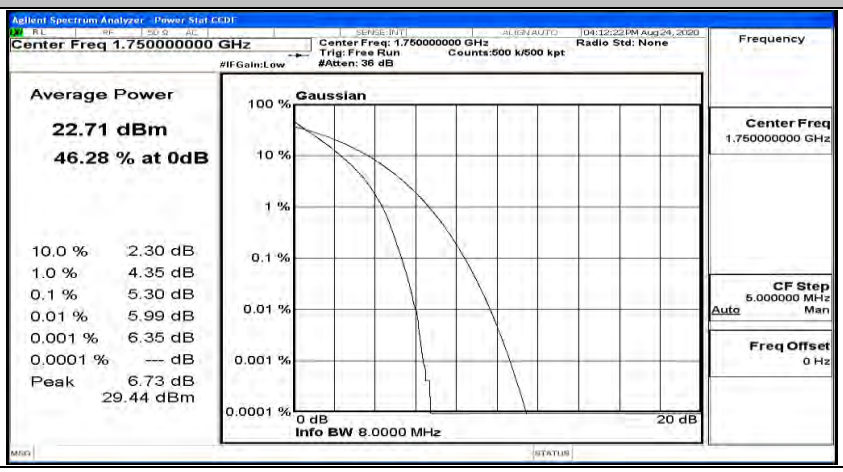
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



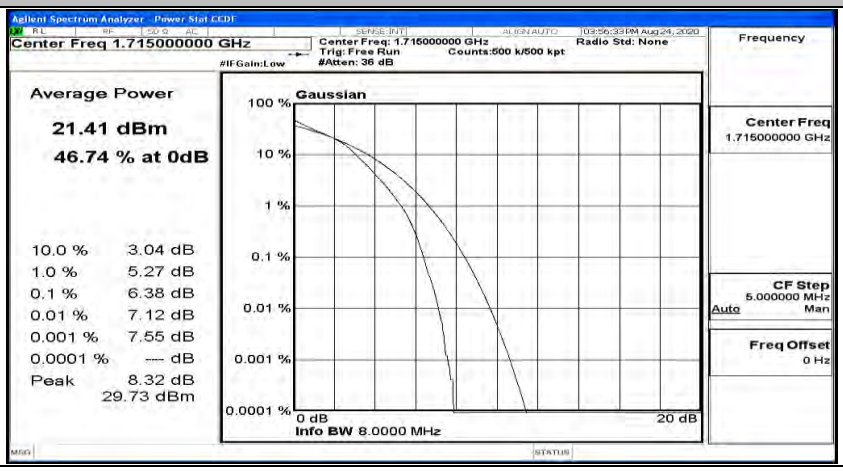
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



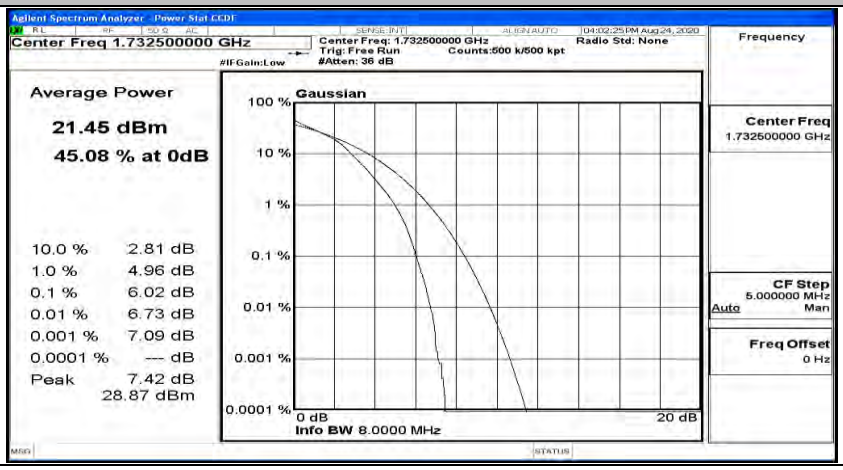
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



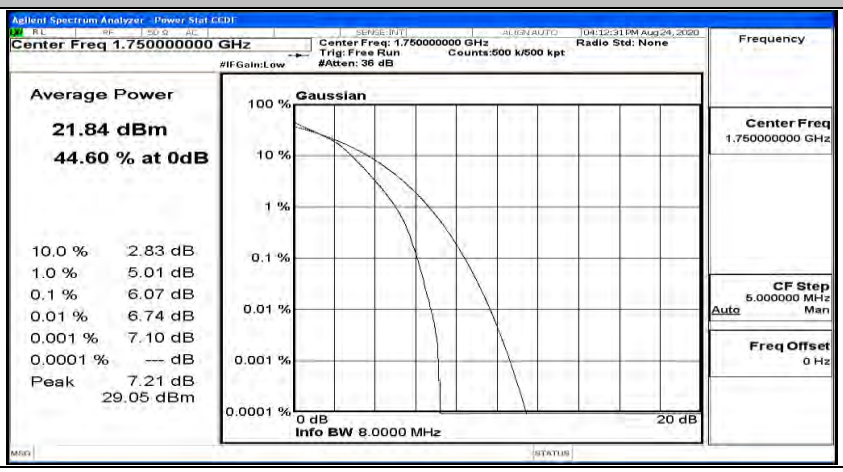
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



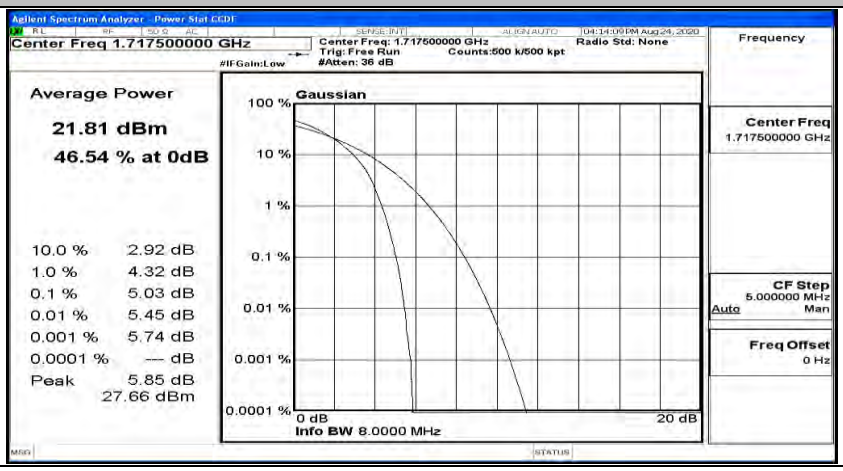
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



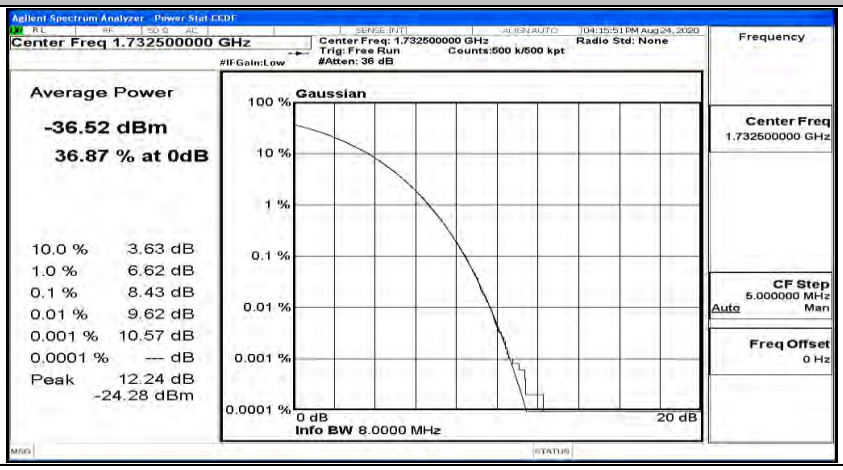
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



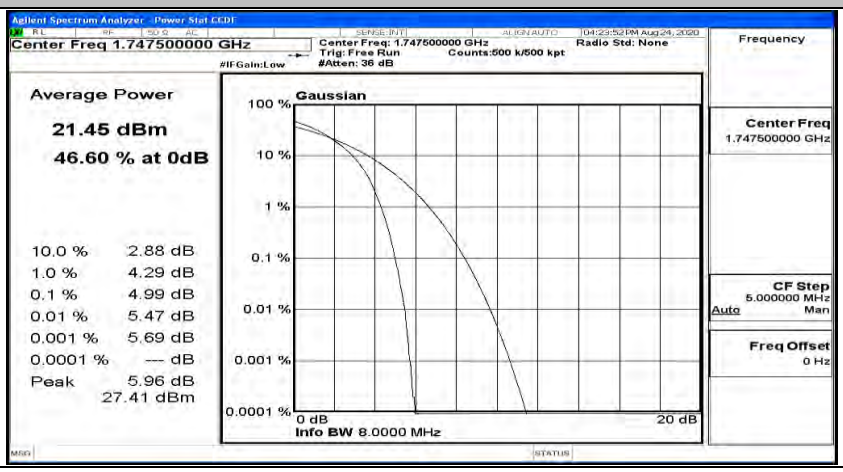
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



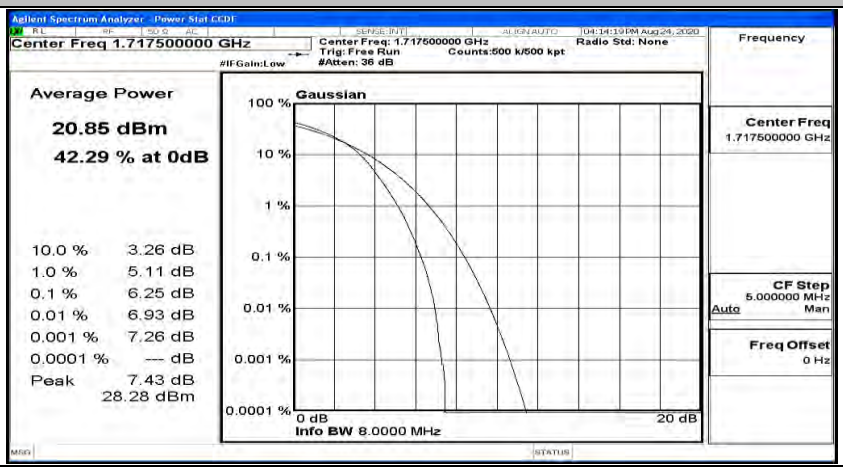
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK



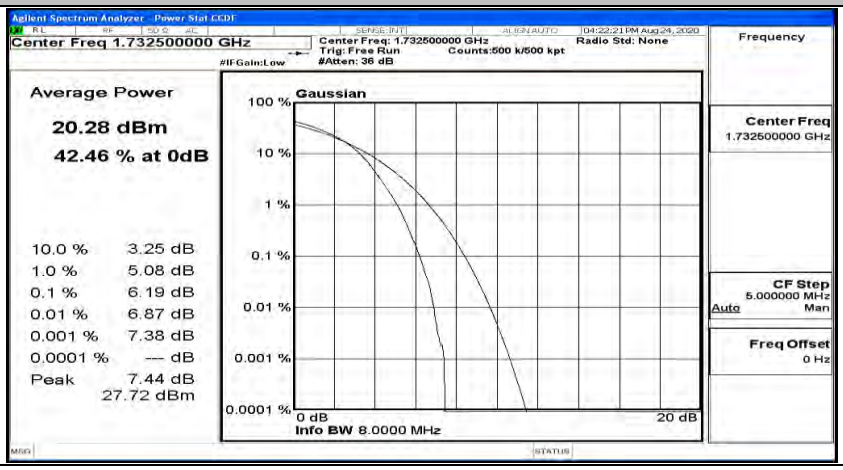
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



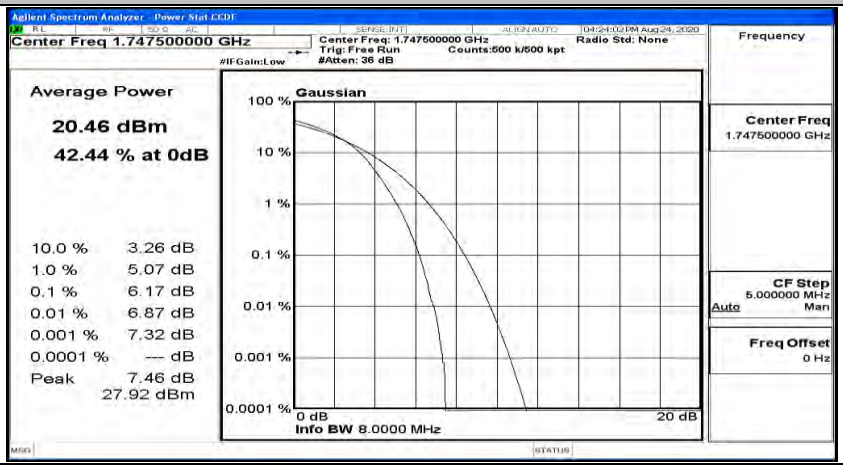
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



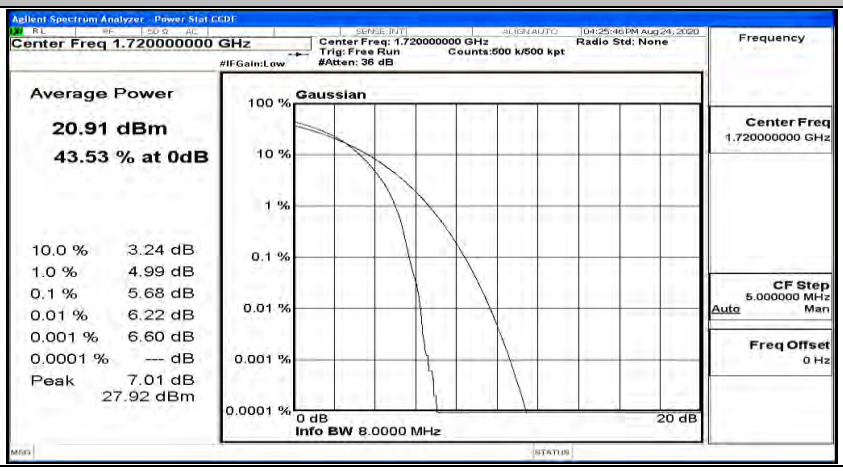
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM



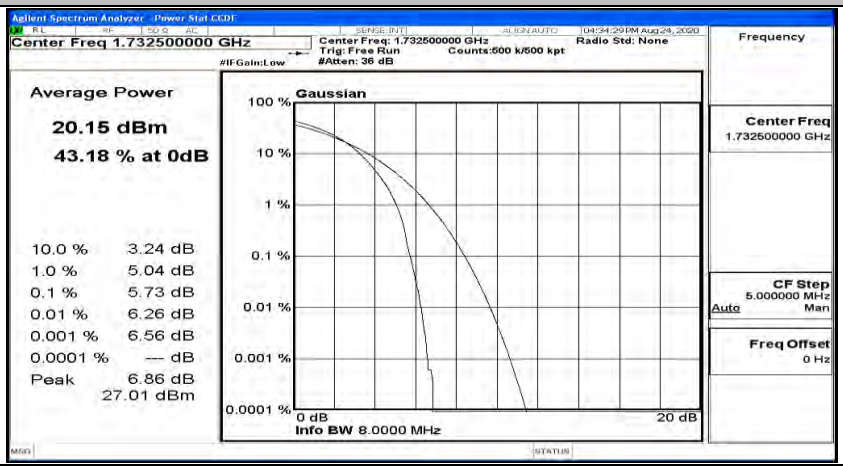
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



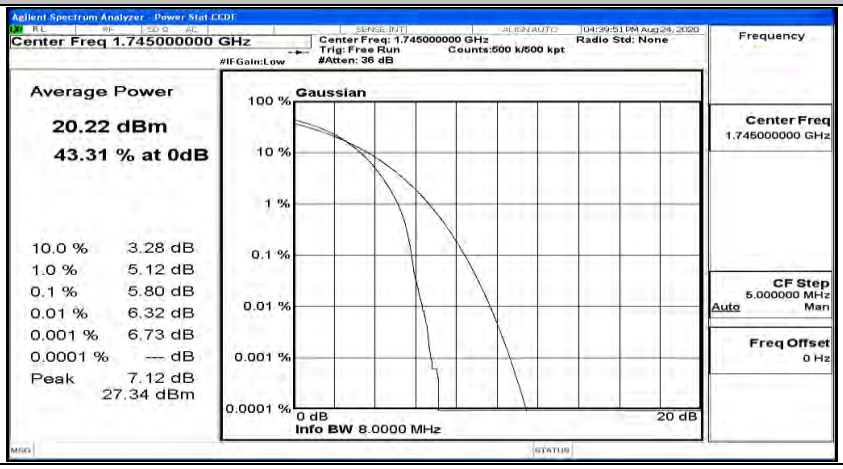
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



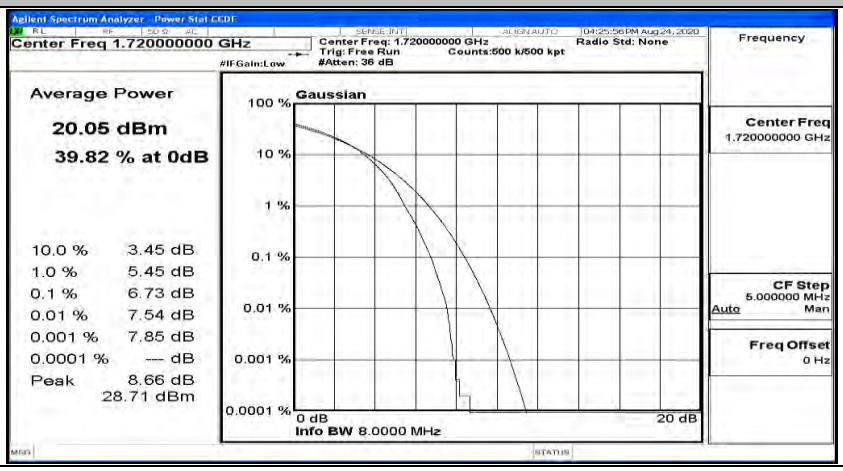
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK



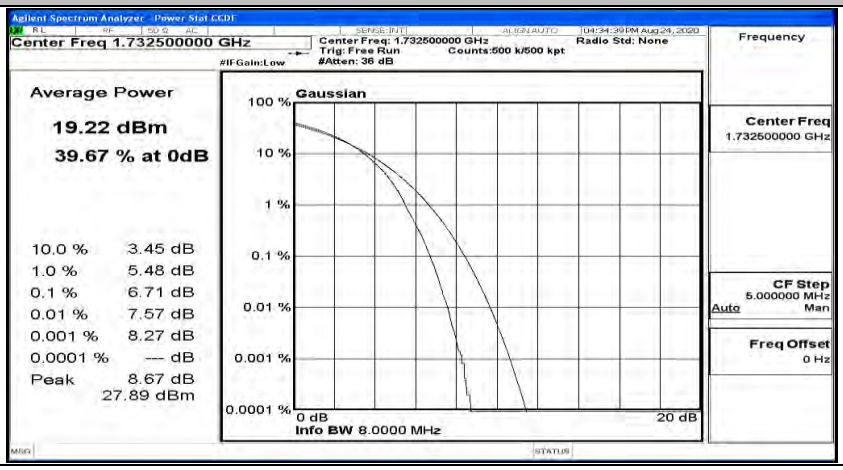
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



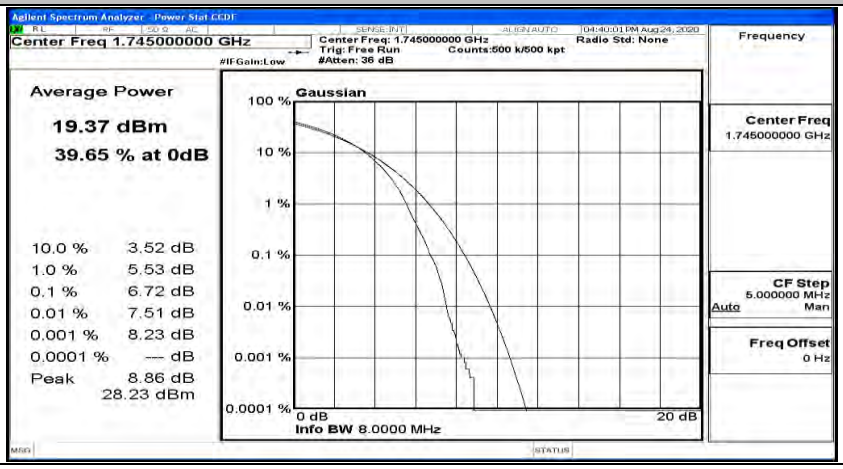
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM



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



E.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	1.0792	1.208	PASS
	MCH	1.0748	1.213	PASS
	HCH	1.0751	1.205	PASS
16QAM	LCH	1.0760	1.218	PASS
	MCH	1.0803	1.236	PASS
	HCH	1.0791	1.225	PASS

EBW & OBW Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	2.6862	2.952	PASS
	MCH	2.6880	2.965	PASS
	HCH	2.6839	2.919	PASS
16QAM	LCH	2.6864	2.958	PASS
	MCH	2.6837	2.968	PASS
	HCH	2.6812	2.939	PASS

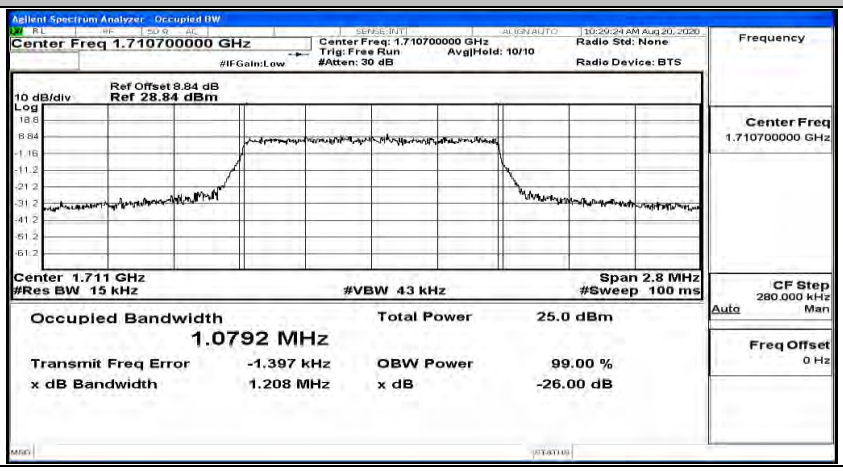
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4765	4.873	PASS
	MCH	4.4675	4.911	PASS
	HCH	4.4666	4.832	PASS
16QAM	LCH	4.4785	4.817	PASS
	MCH	4.4657	4.801	PASS
	HCH	4.4691	4.867	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9492	9.532	PASS
	MCH	8.9280	9.500	PASS
	HCH	8.9229	9.484	PASS
16QAM	LCH	8.9320	9.557	PASS
	MCH	8.9490	9.510	PASS
	HCH	8.9257	9.480	PASS

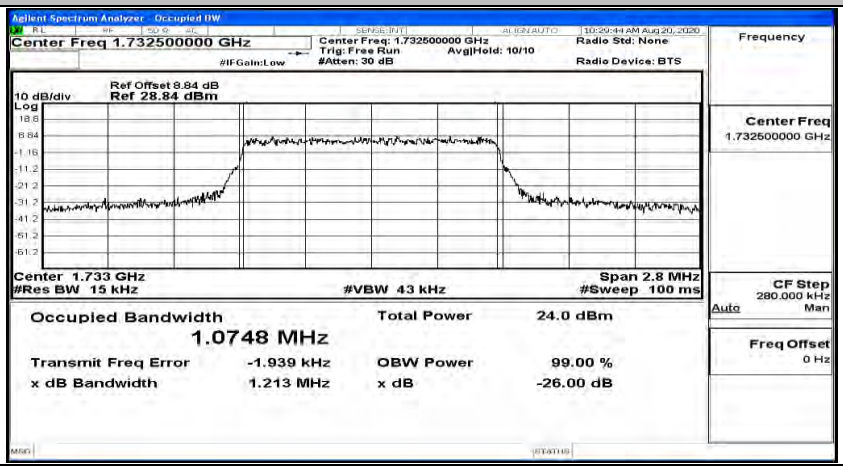
EBW & OBW Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	13.398	14.08	PASS
	MCH	13.388	14.04	PASS
	HCH	13.369	14.13	PASS
16QAM	LCH	13.402	14.07	PASS
	MCH	13.402	14.19	PASS
	HCH	13.383	14.24	PASS

EBW & OBW Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	17.898	18.78	PASS
	MCH	17.872	18.70	PASS
	HCH	17.864	18.67	PASS
16QAM	LCH	17.902	18.71	PASS
	MCH	17.855	18.66	PASS
	HCH	17.845	18.70	PASS

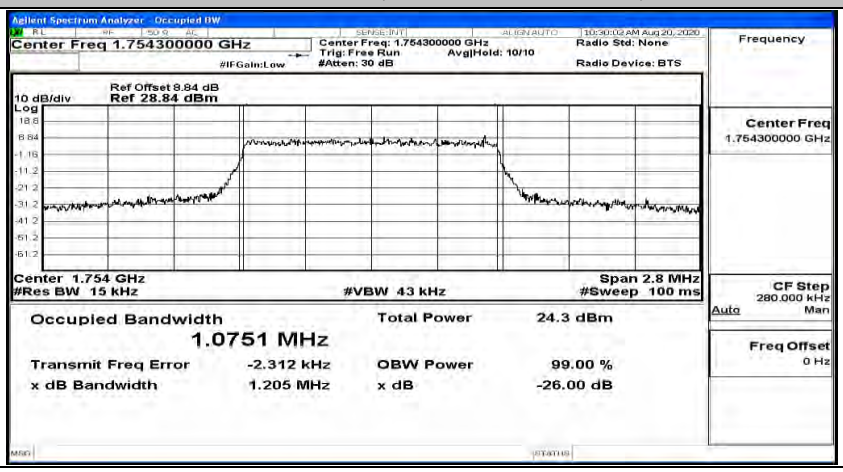
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



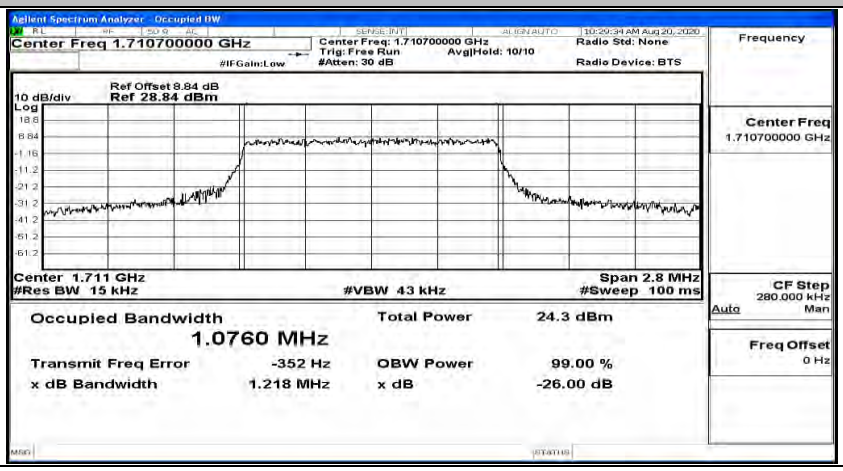
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



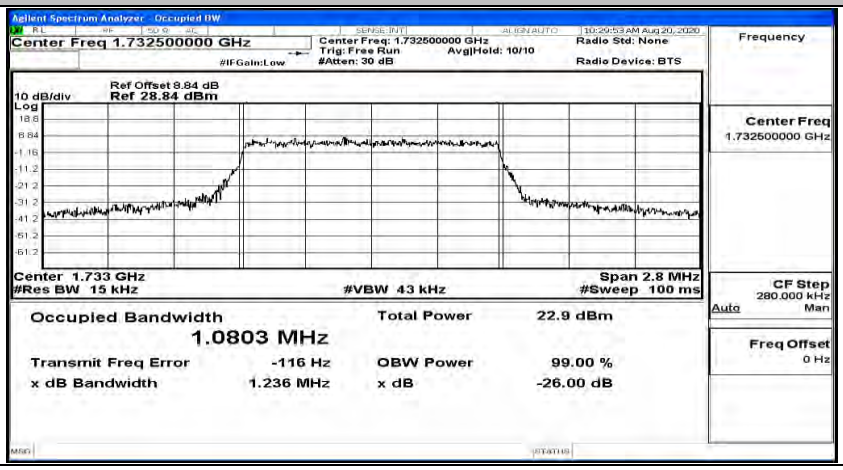
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



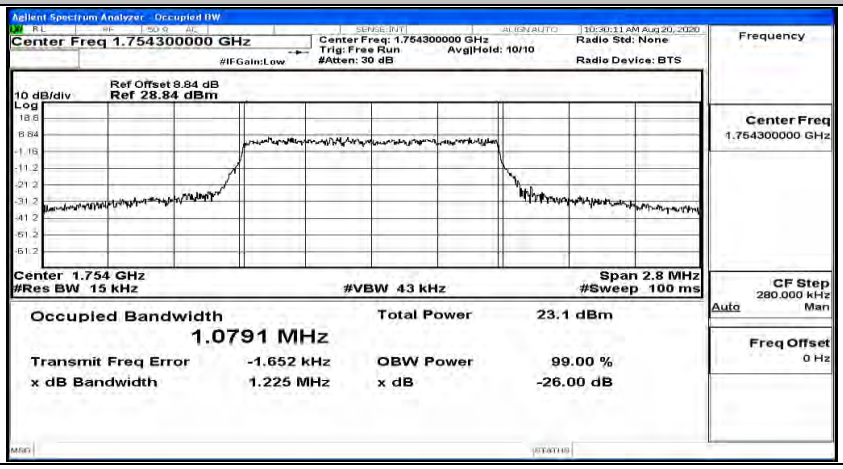
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



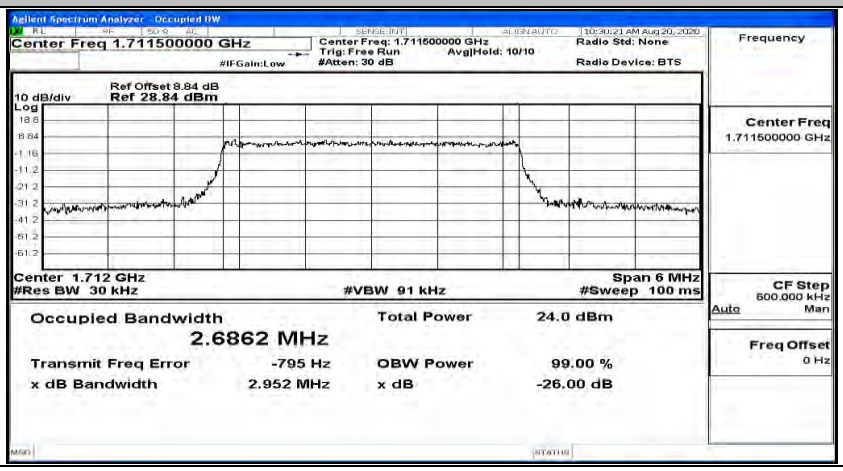
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



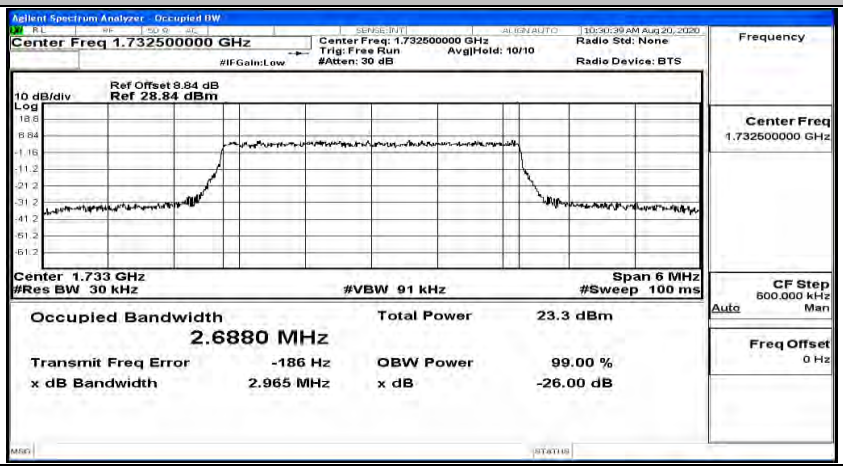
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



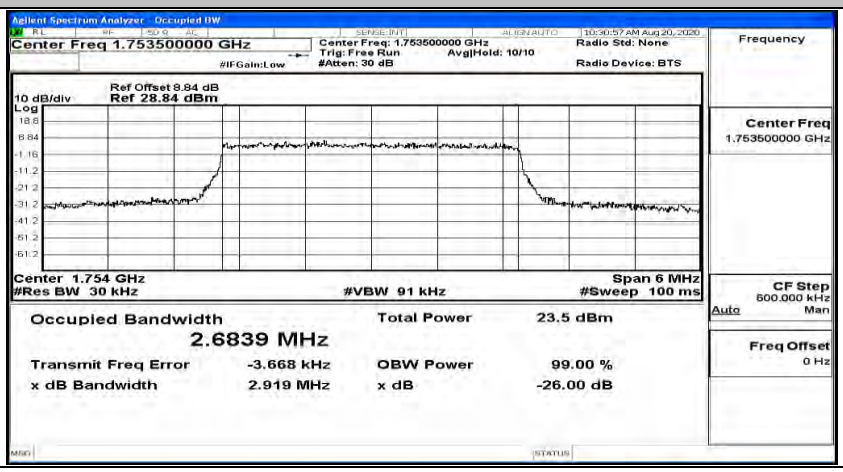
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



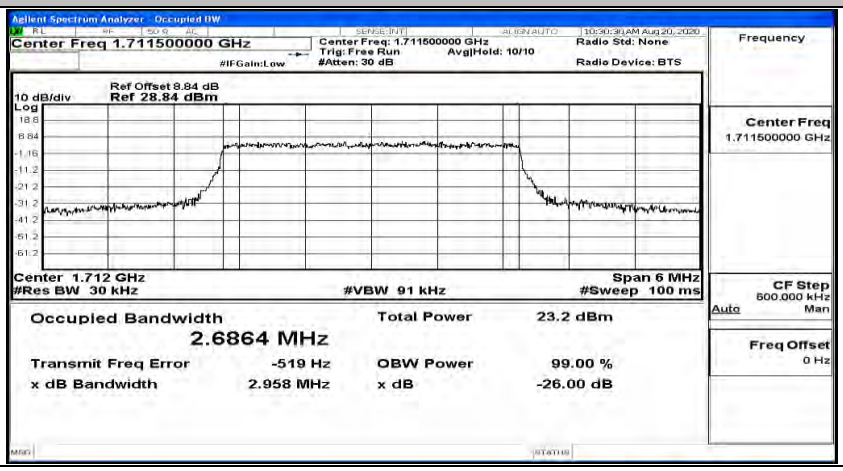
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



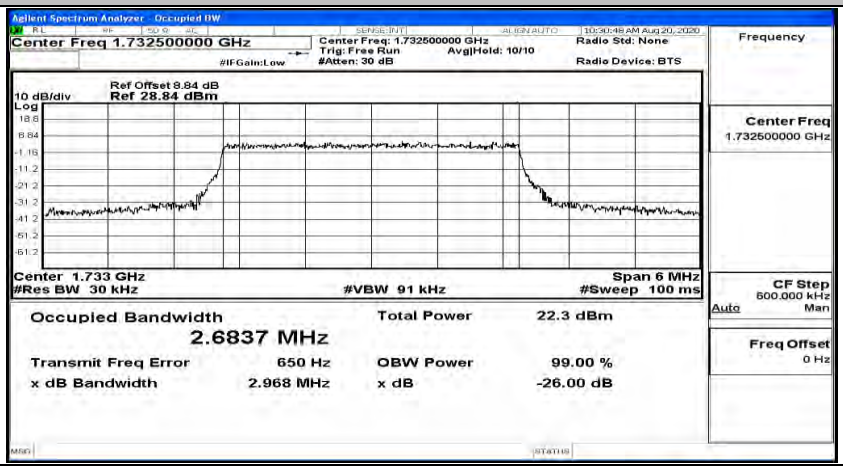
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



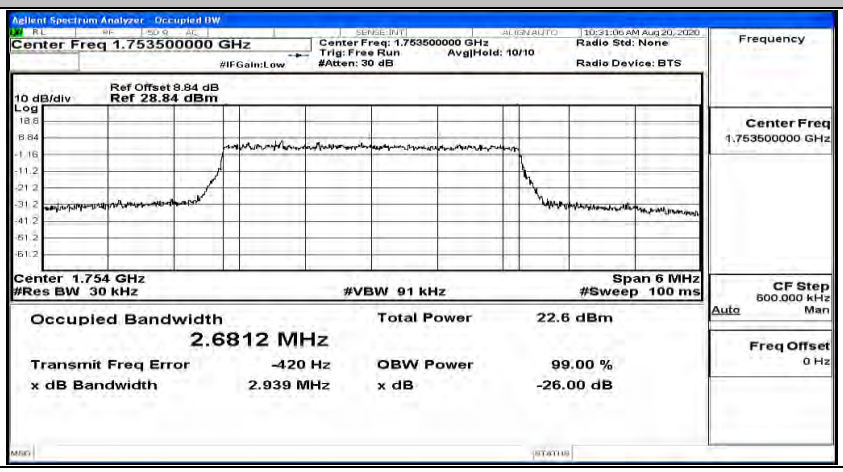
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



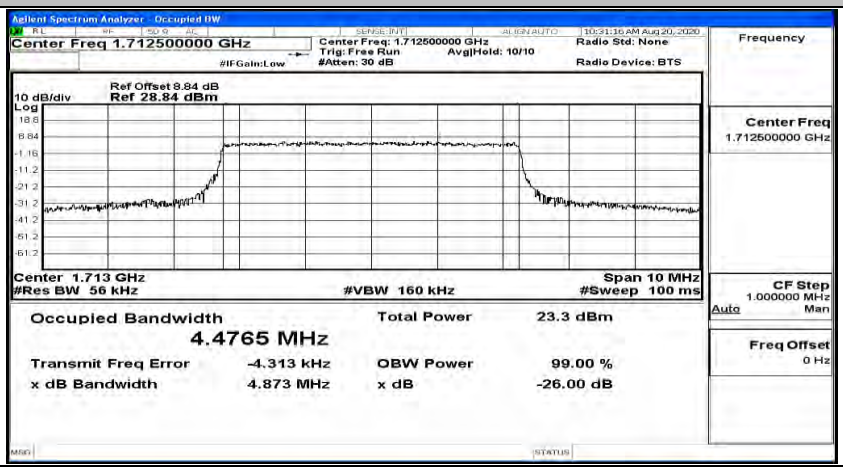
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



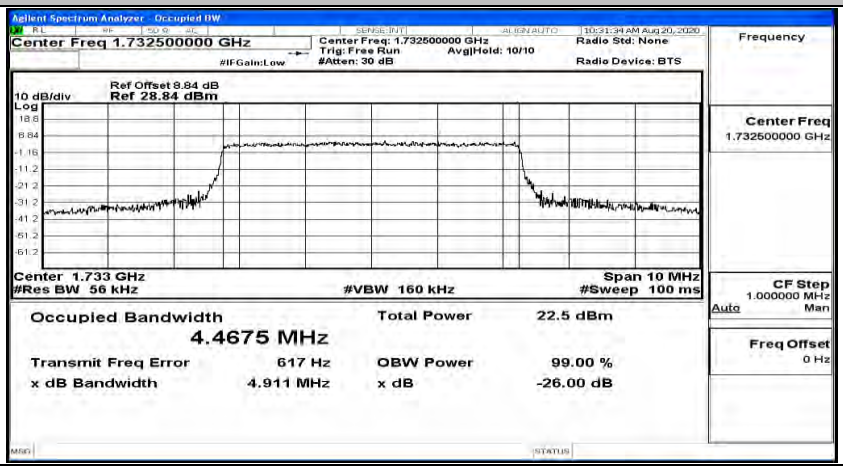
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



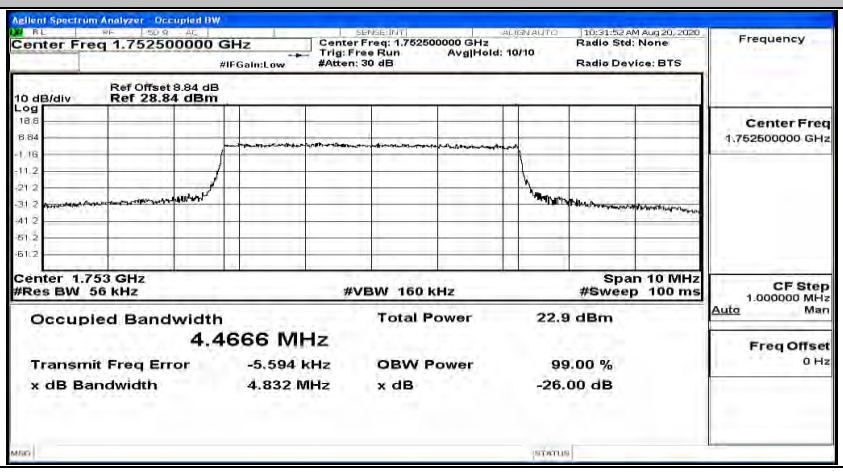
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



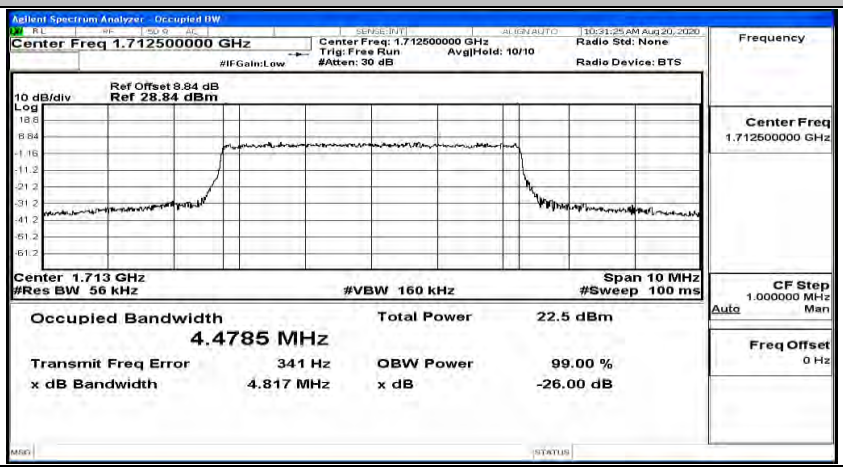
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



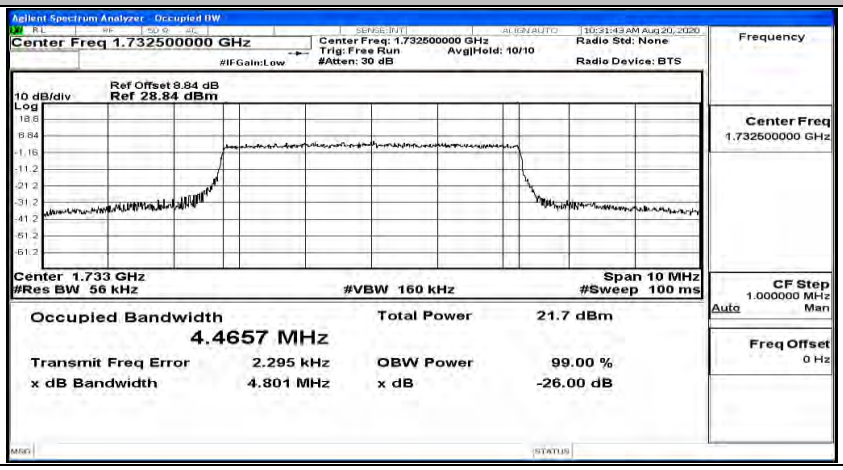
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



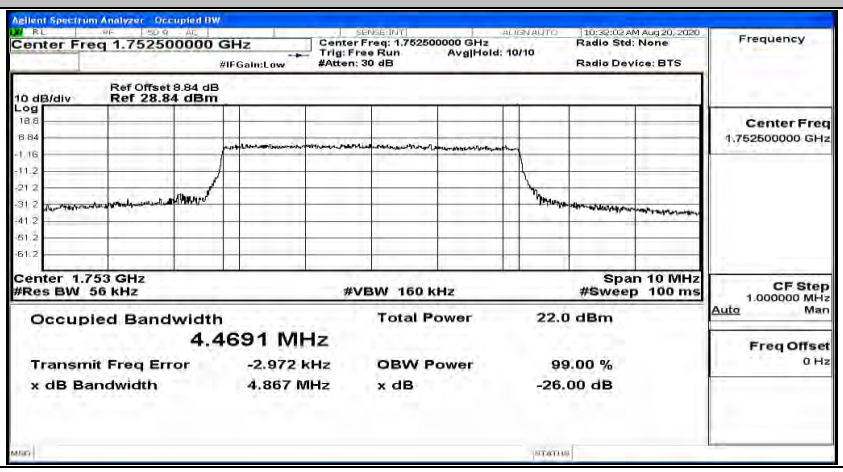
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



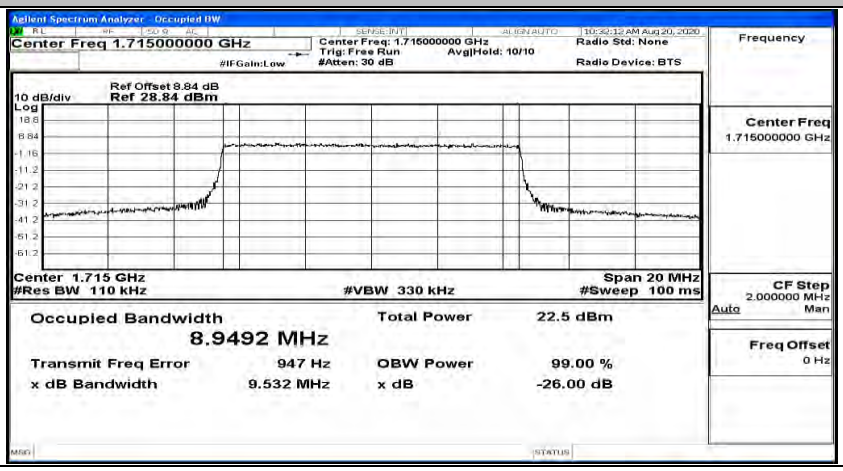
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



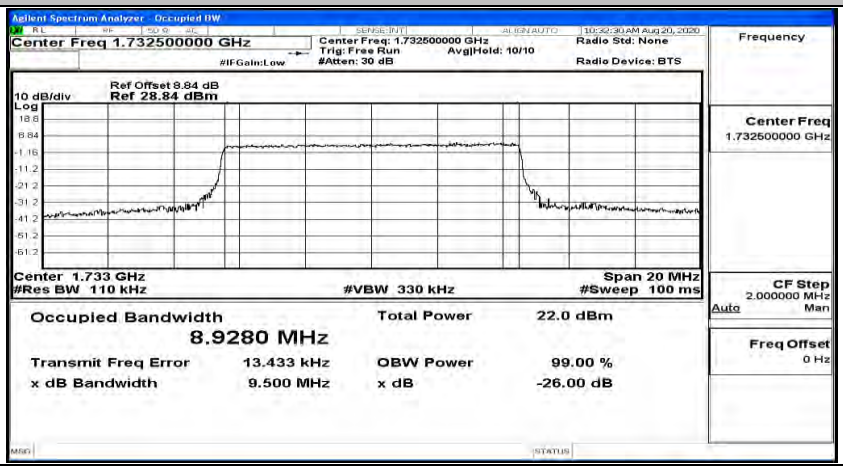
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



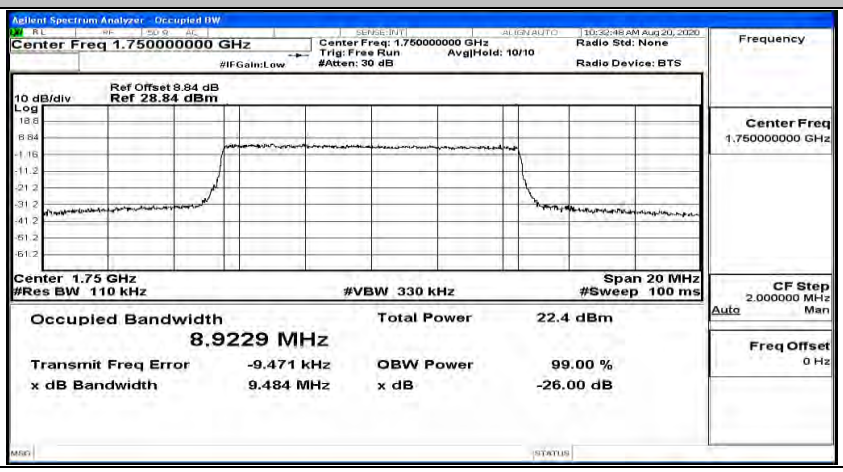
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



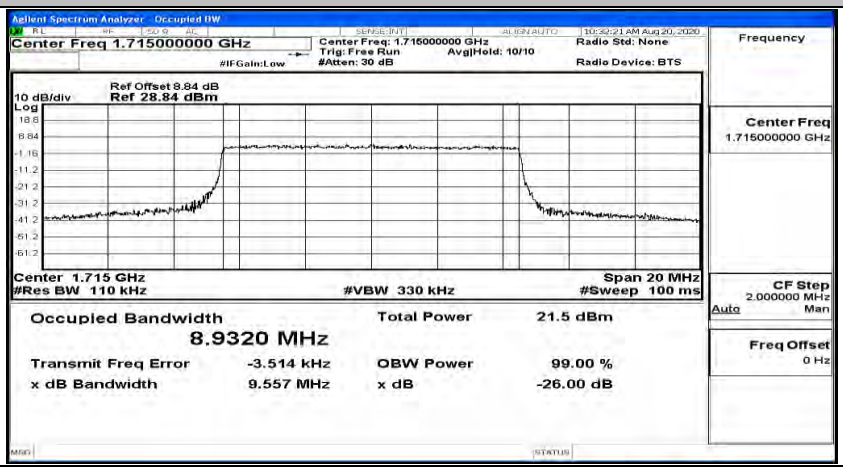
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



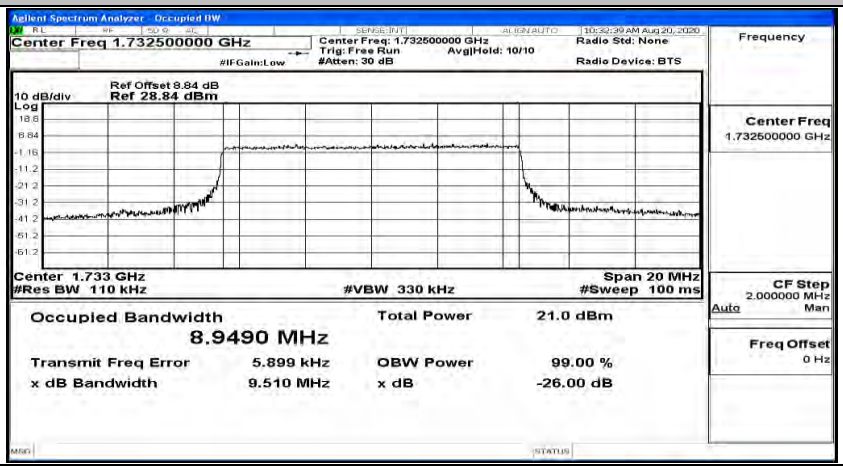
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



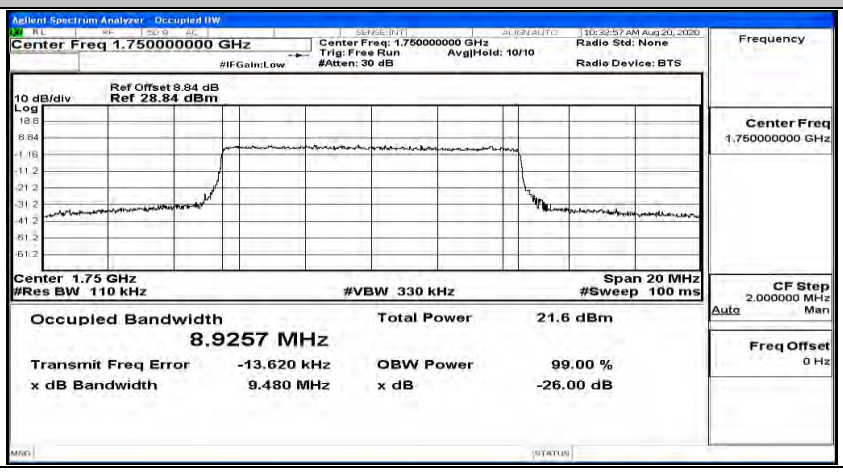
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



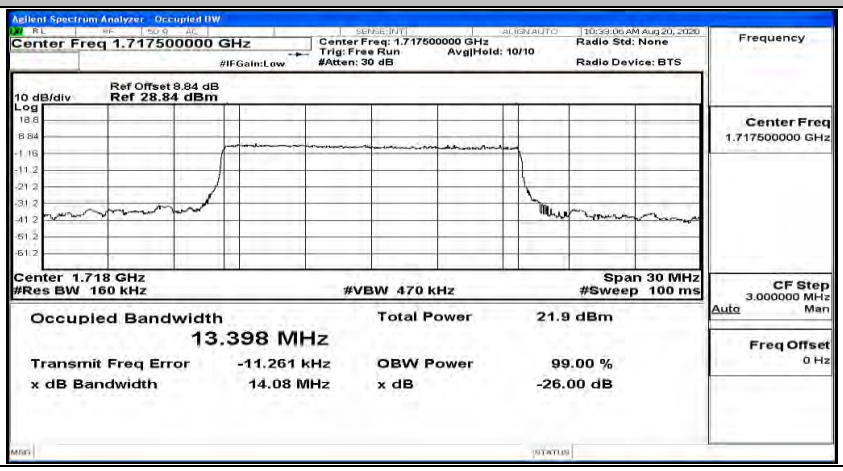
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



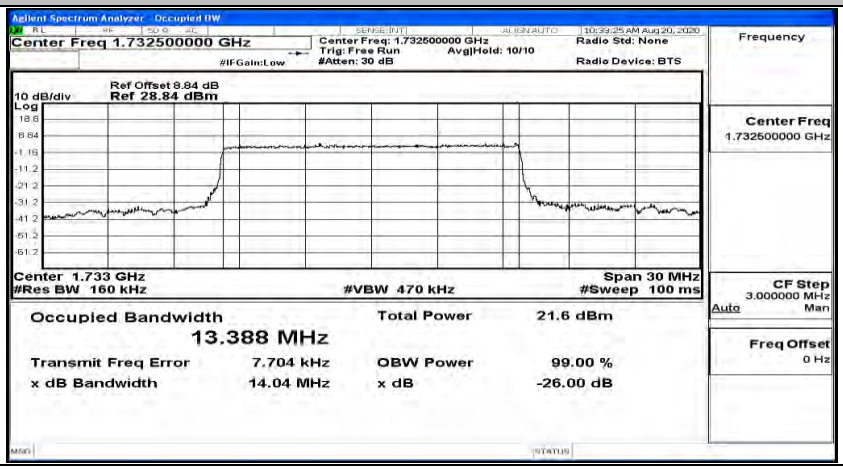
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



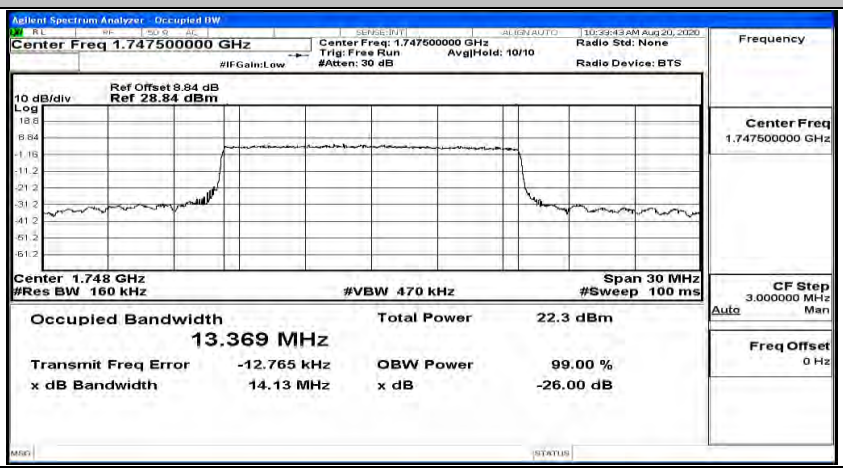
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



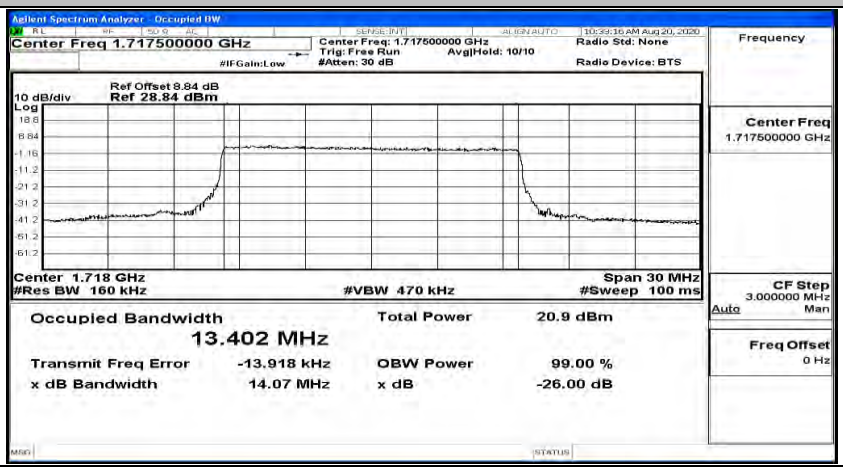
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK



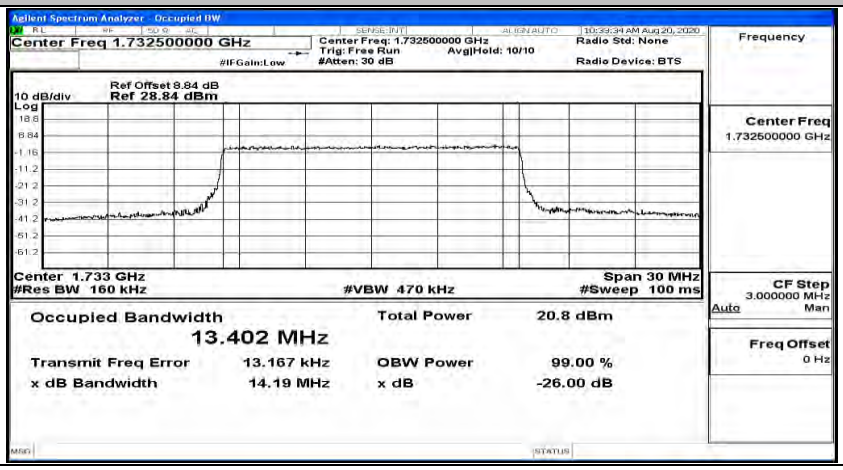
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



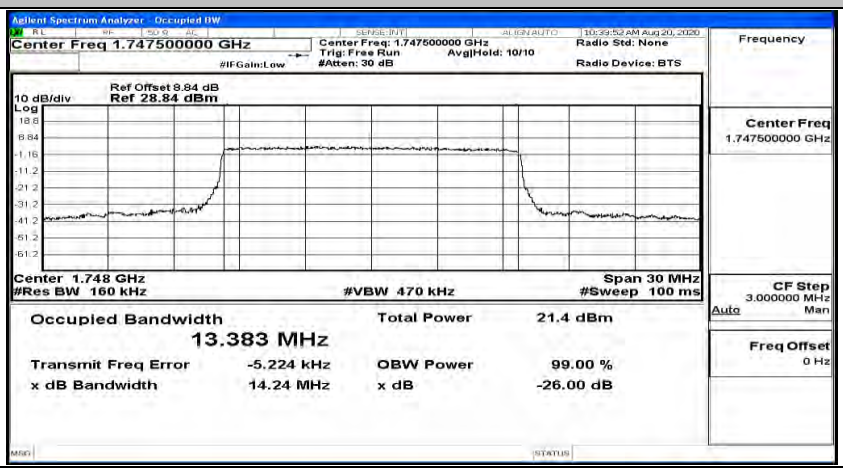
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



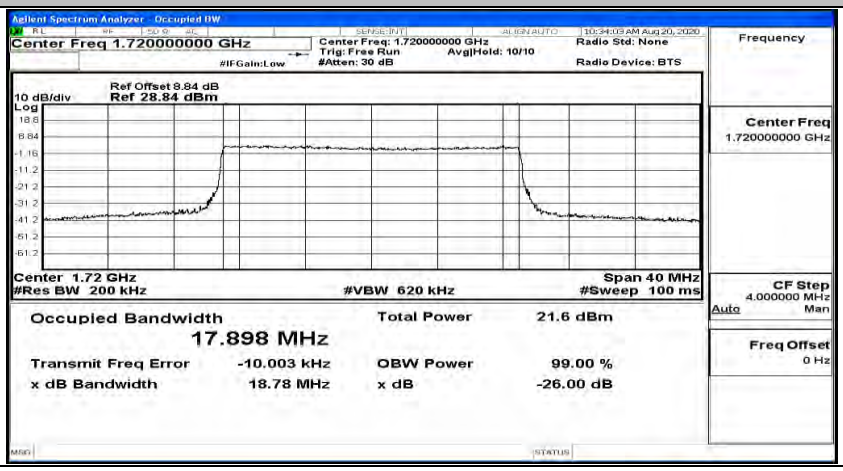
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM



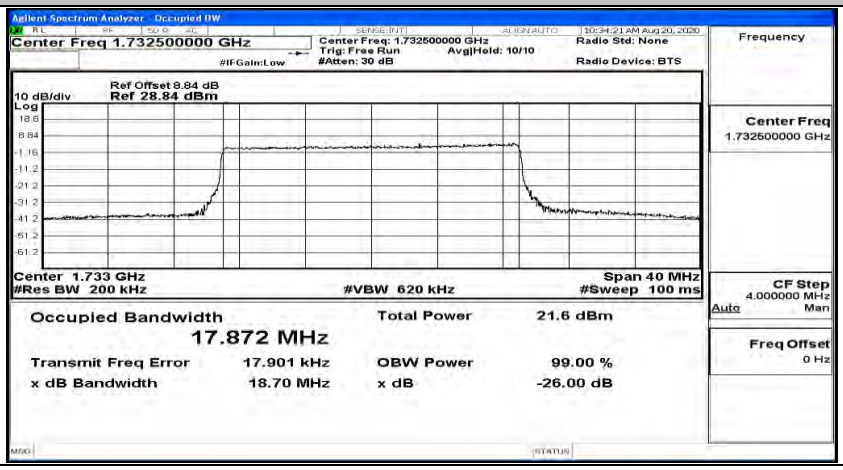
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



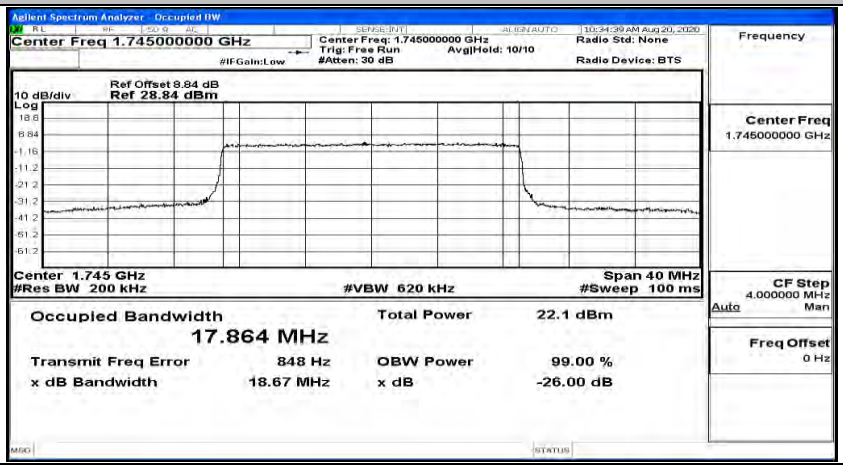
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



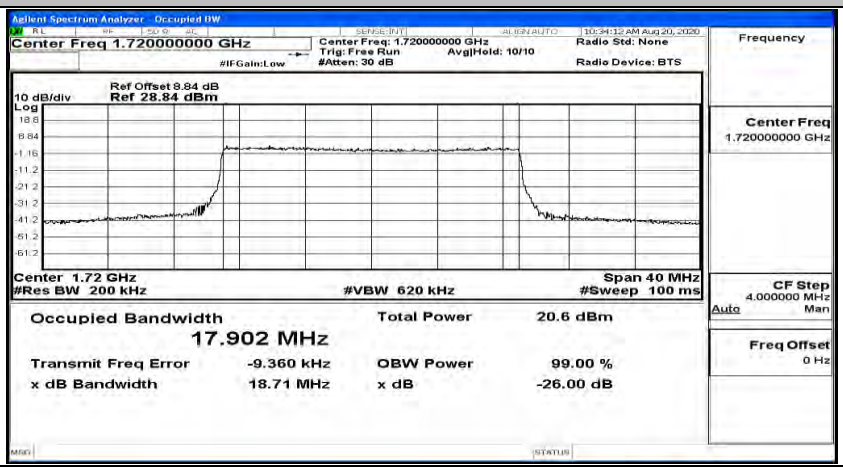
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK



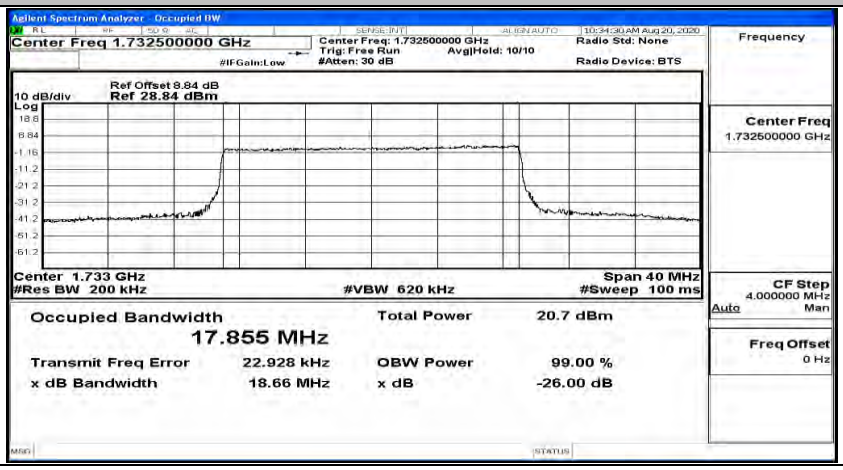
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



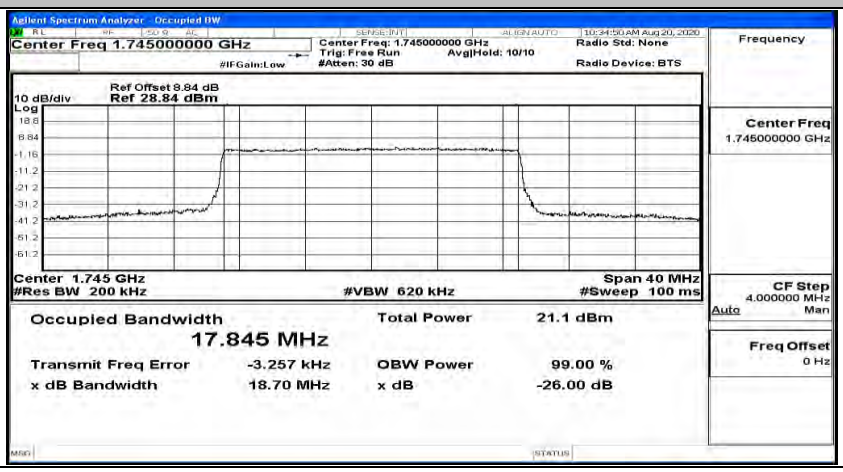
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM



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

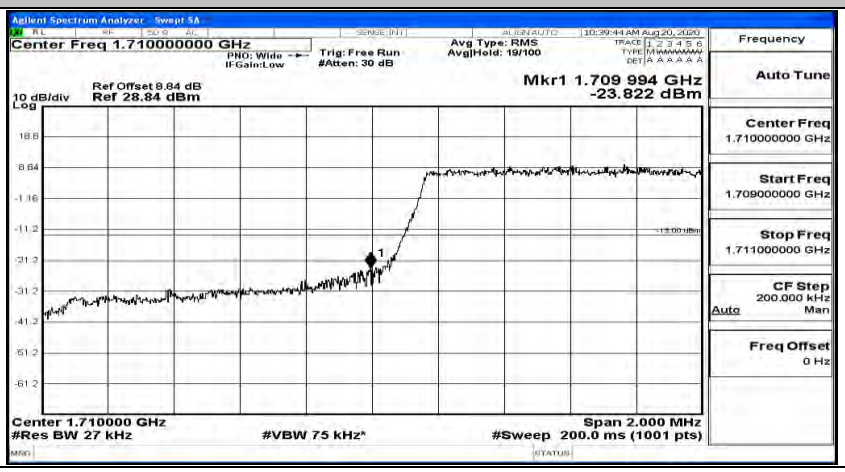


EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM

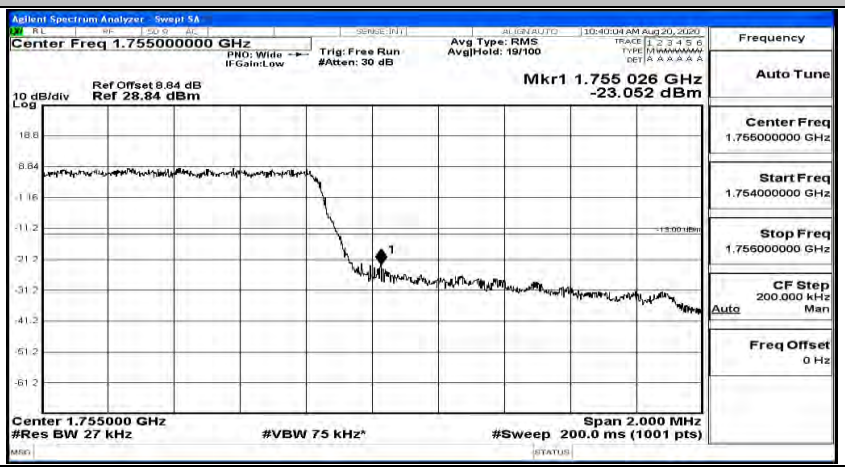


E.4 Band Edge

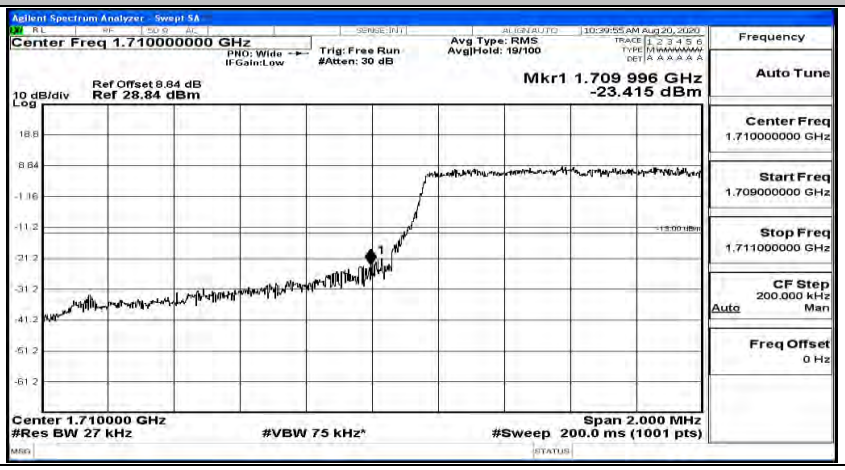
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



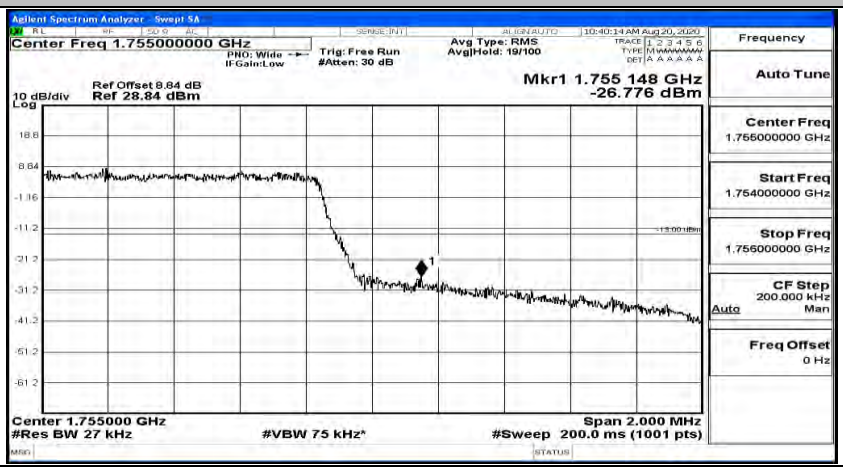
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



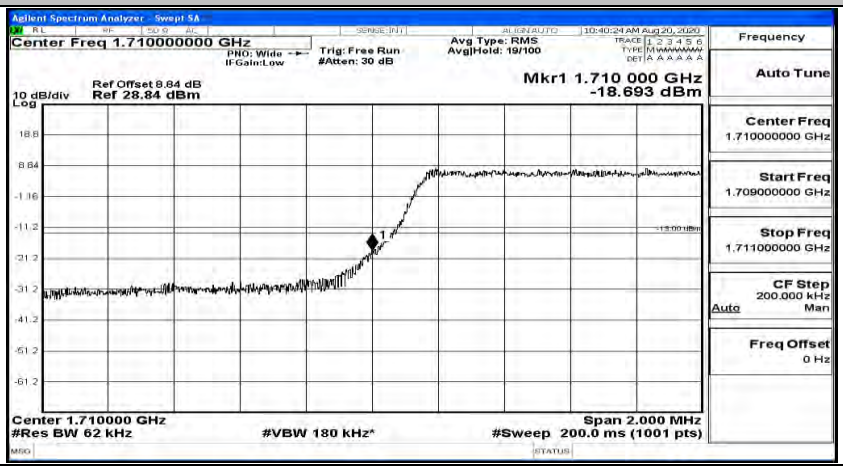
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



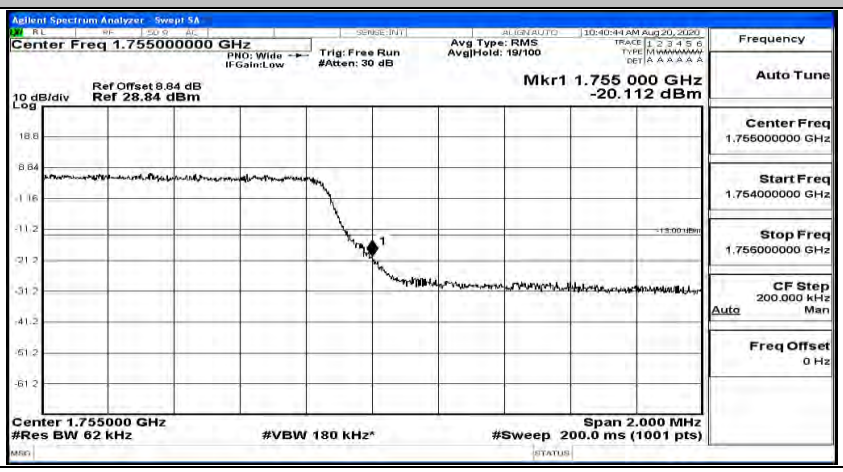
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



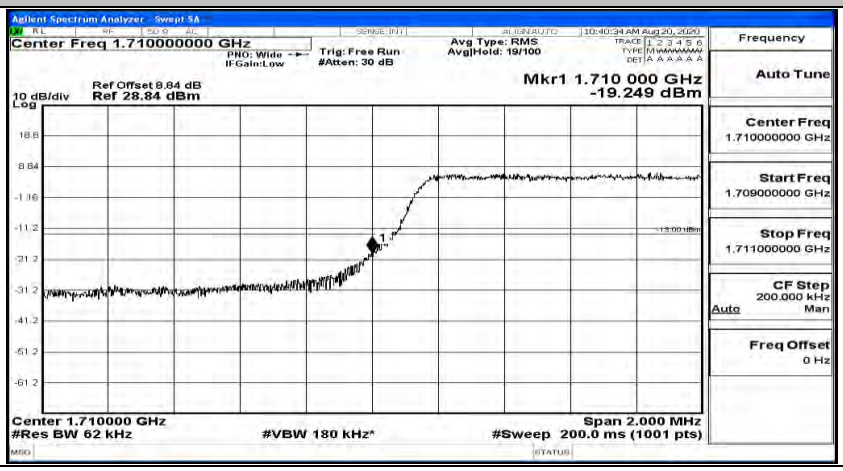
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



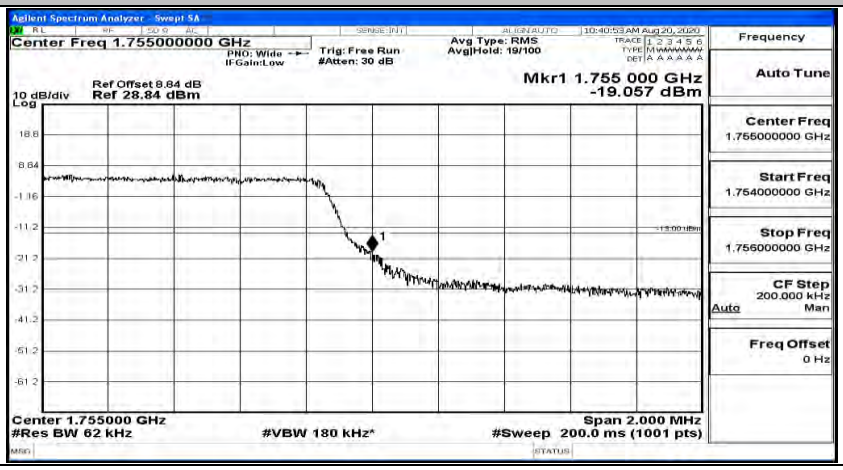
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



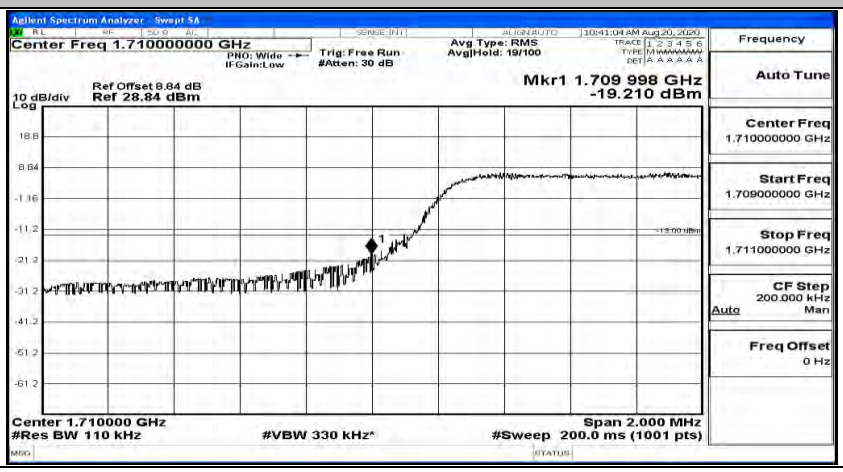
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



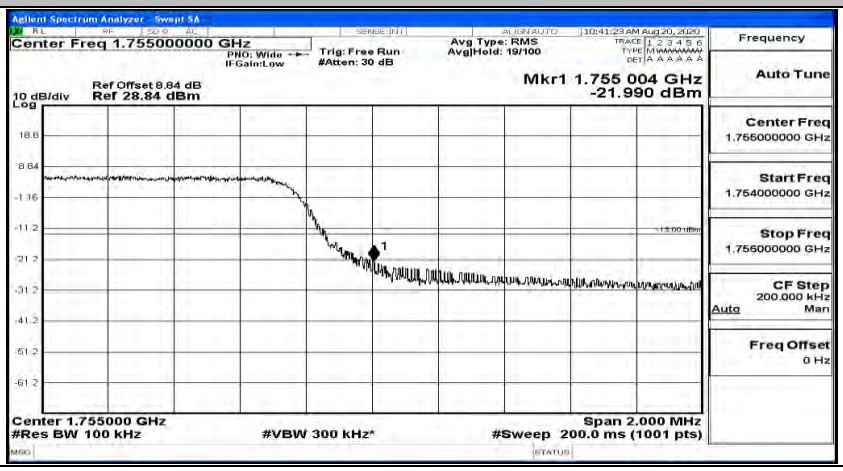
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



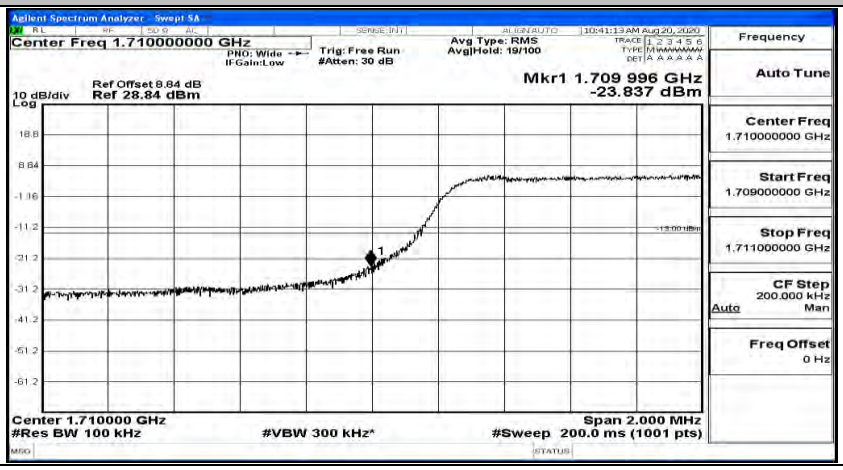
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



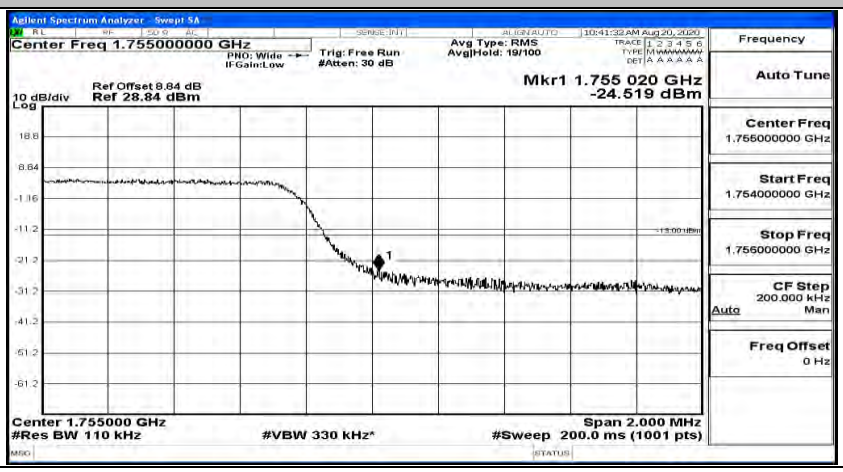
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



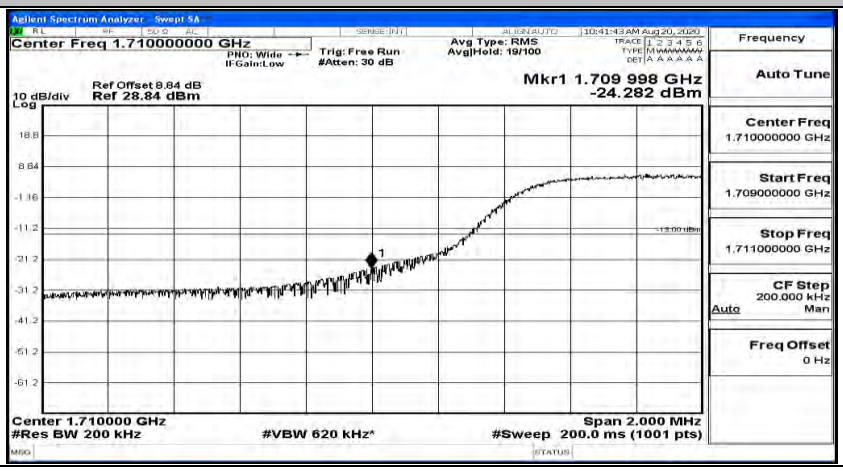
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



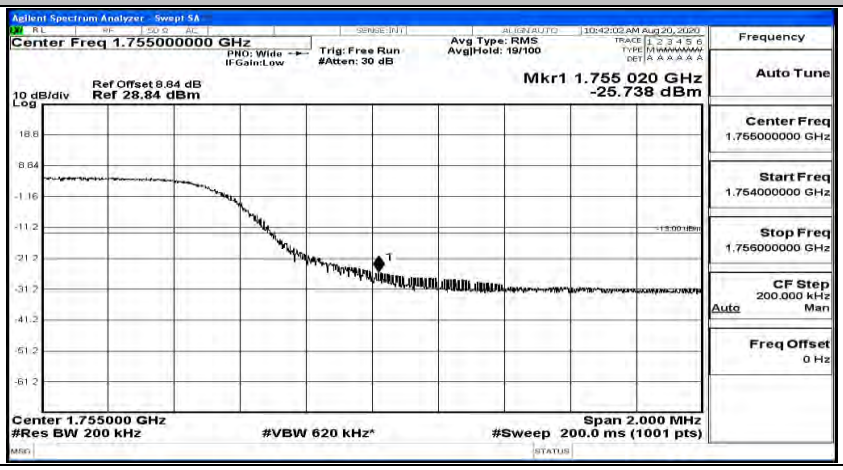
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



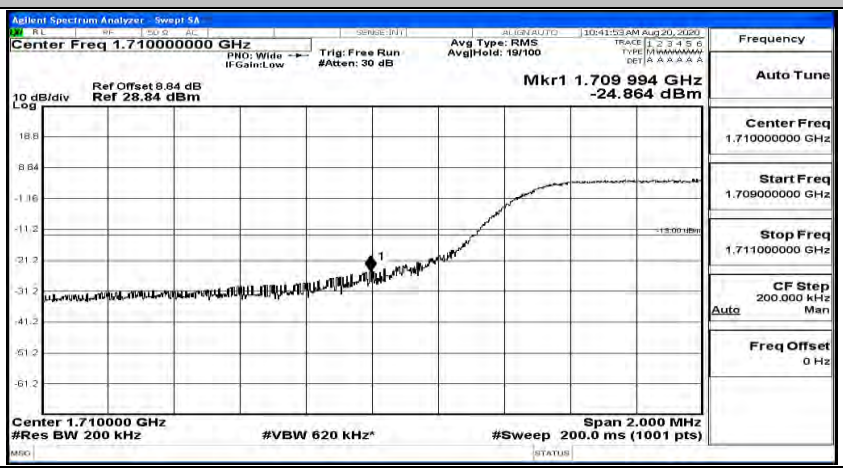
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



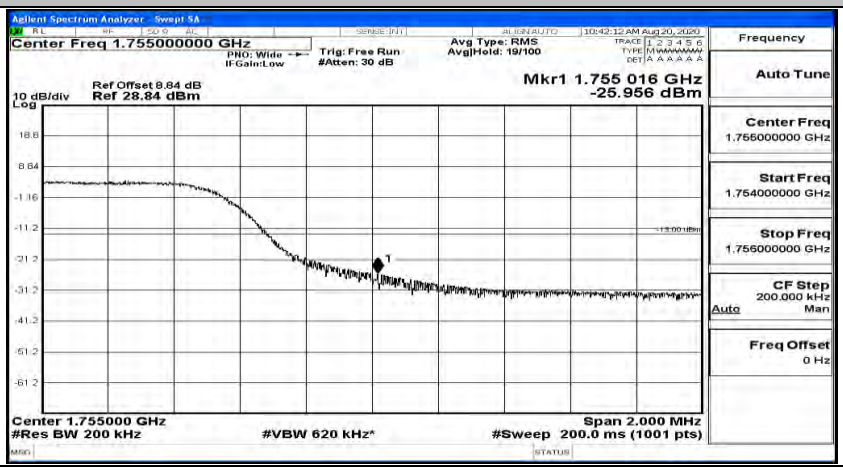
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



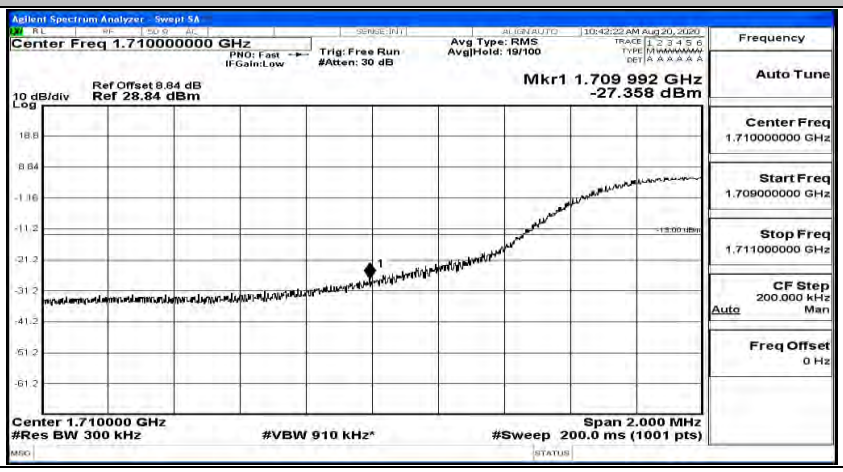
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



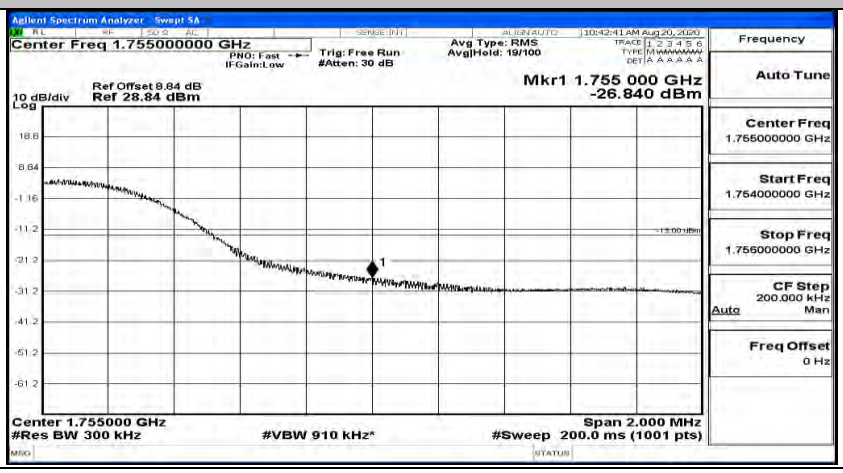
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



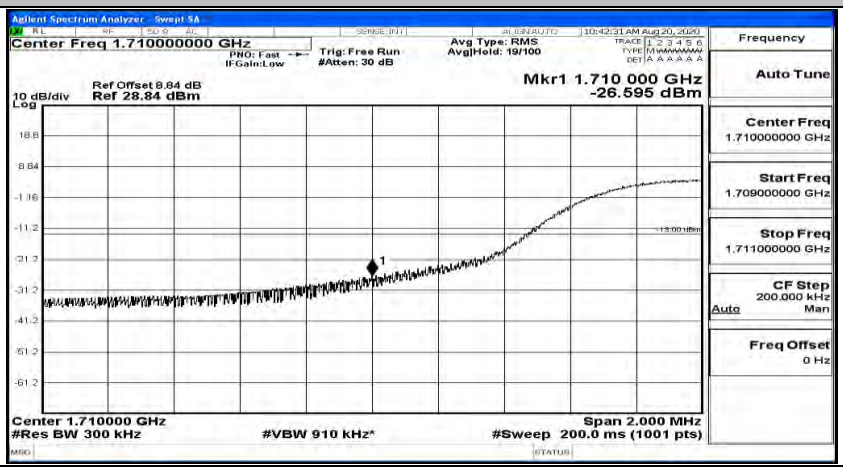
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



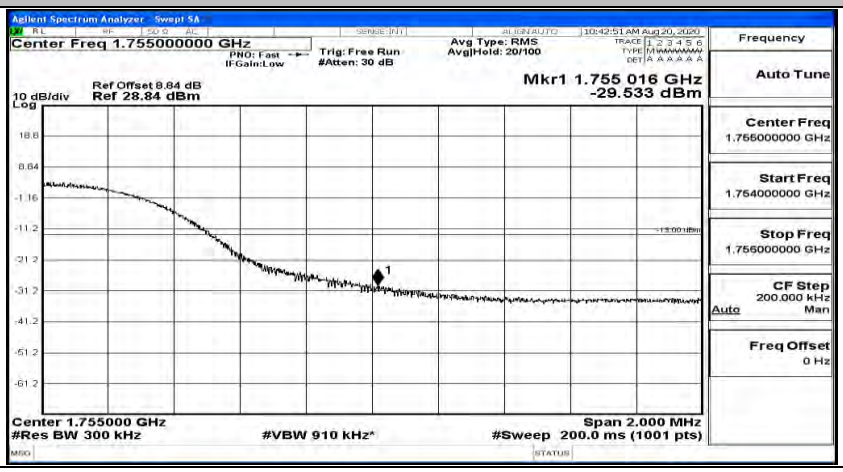
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



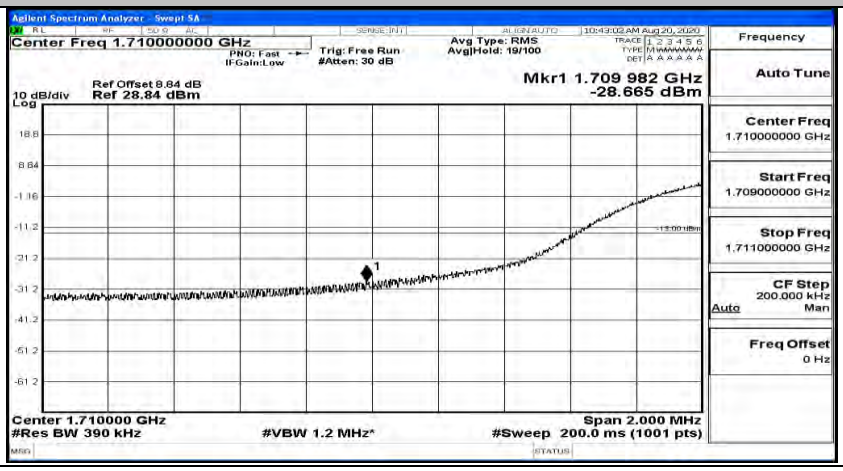
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



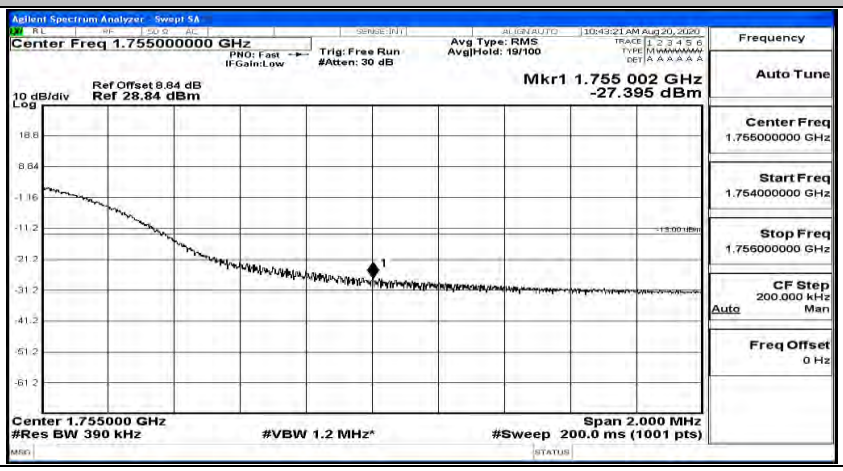
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



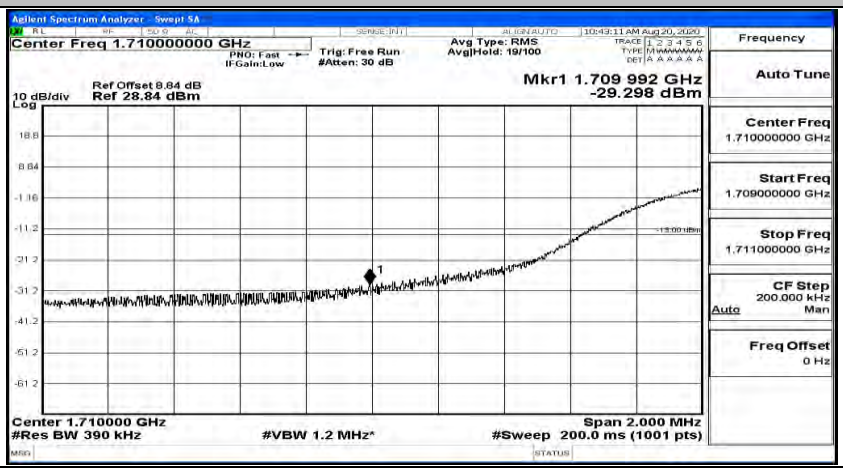
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



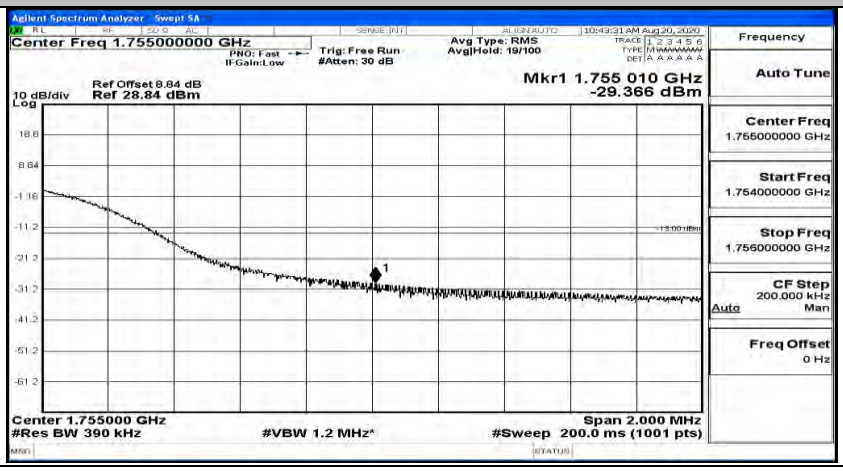
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



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



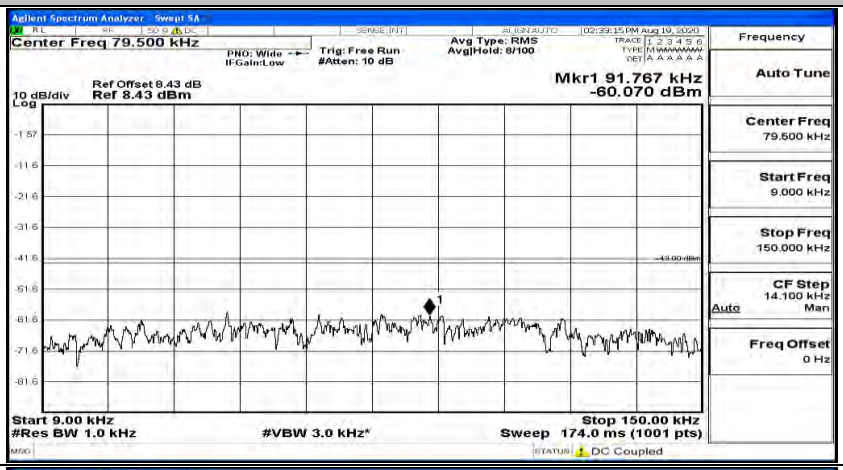
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM

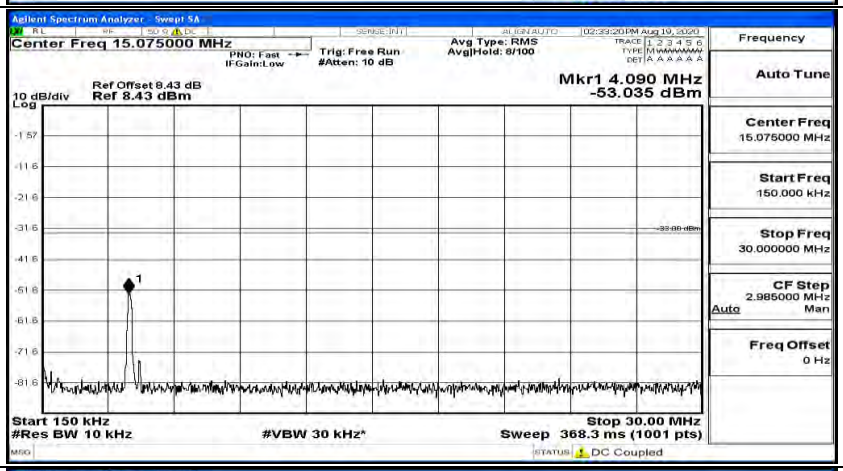


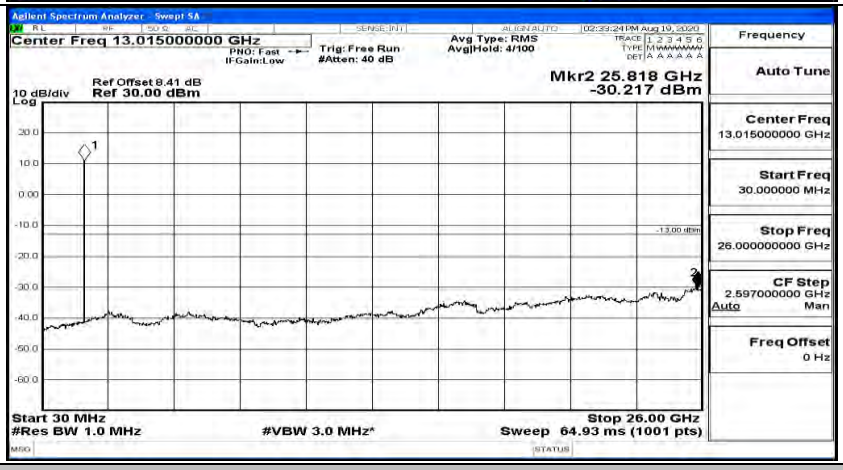
E.5 Conducted Spurious Emission

Channel Bandwidth: 1.4 MHz

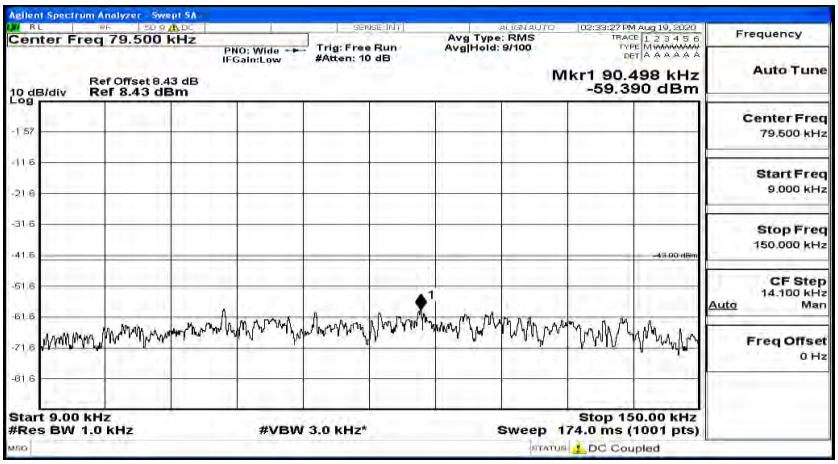
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0

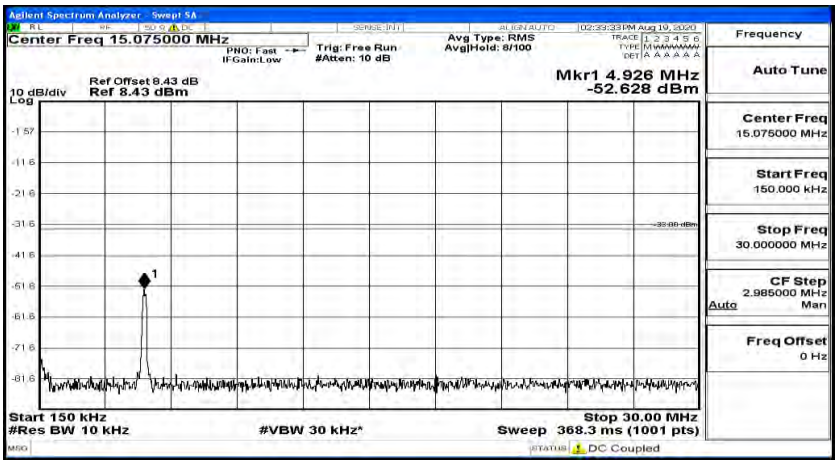


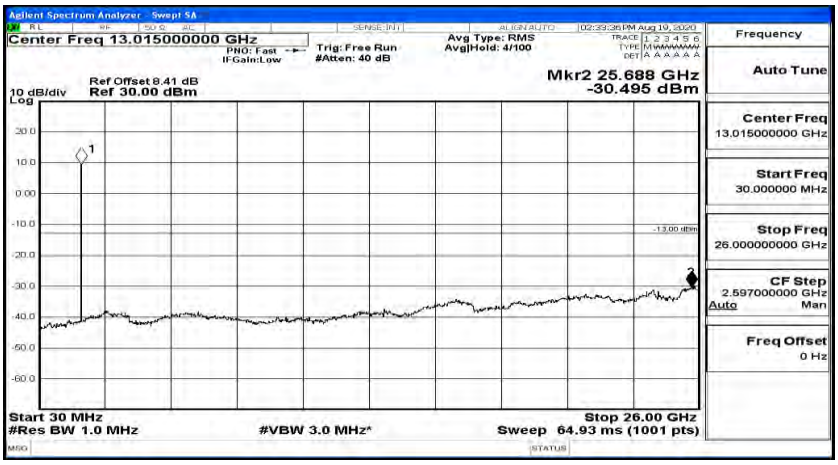




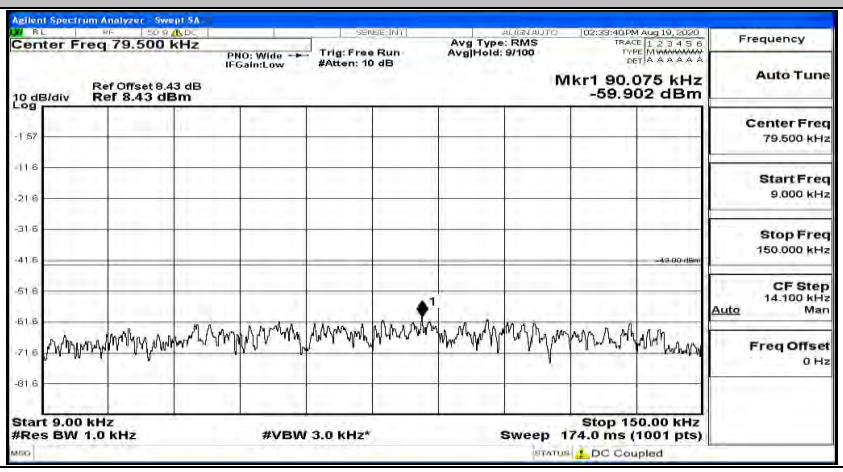
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3

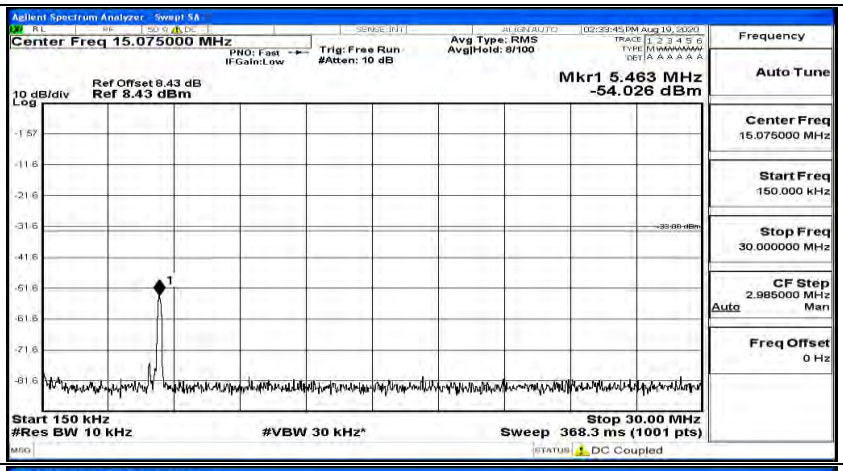




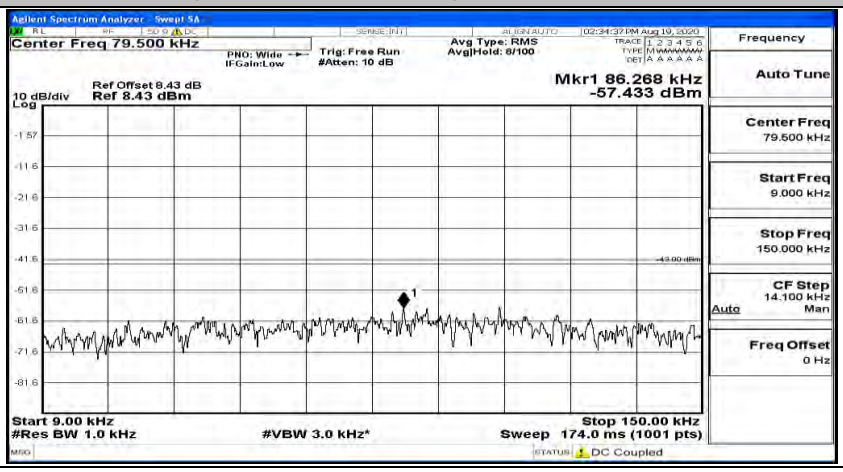


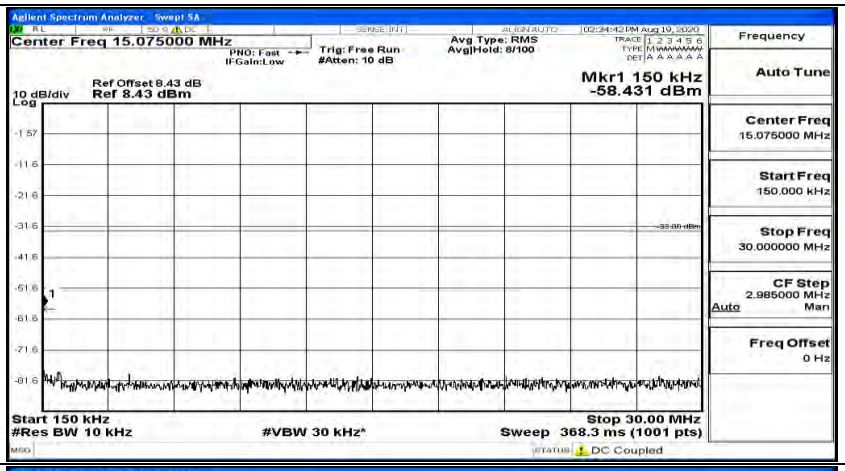
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5

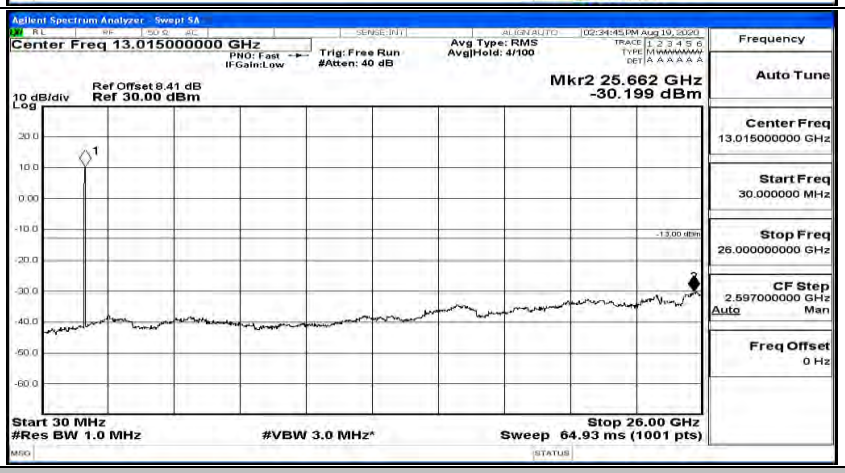




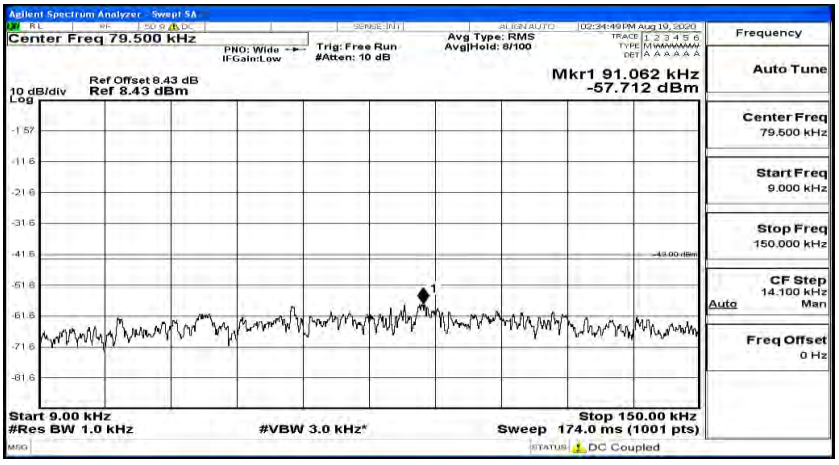
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0

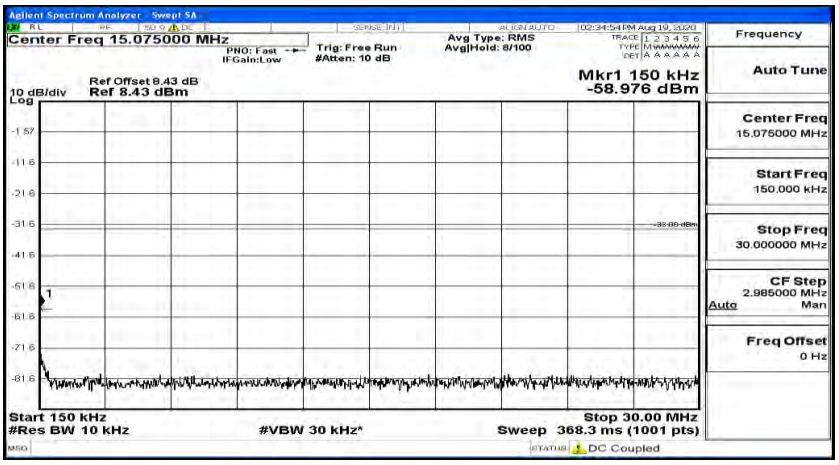




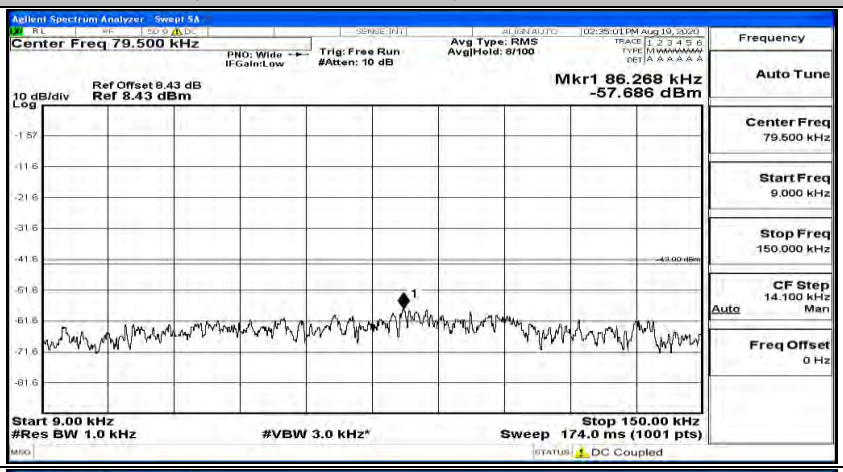


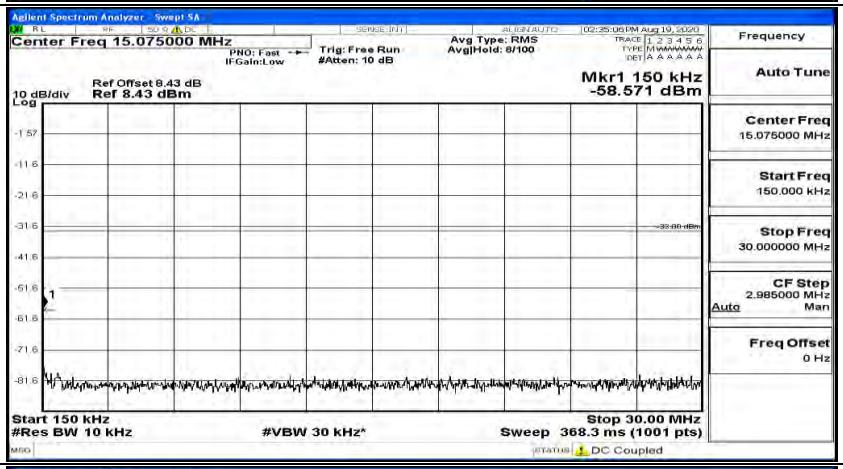
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3



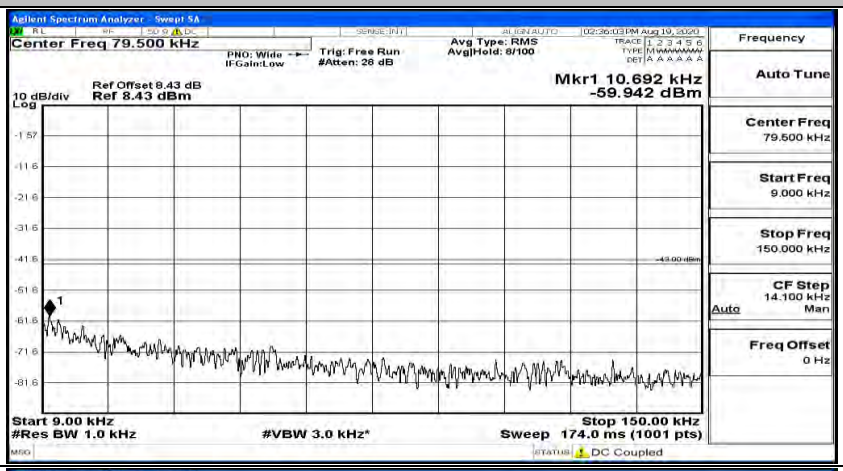


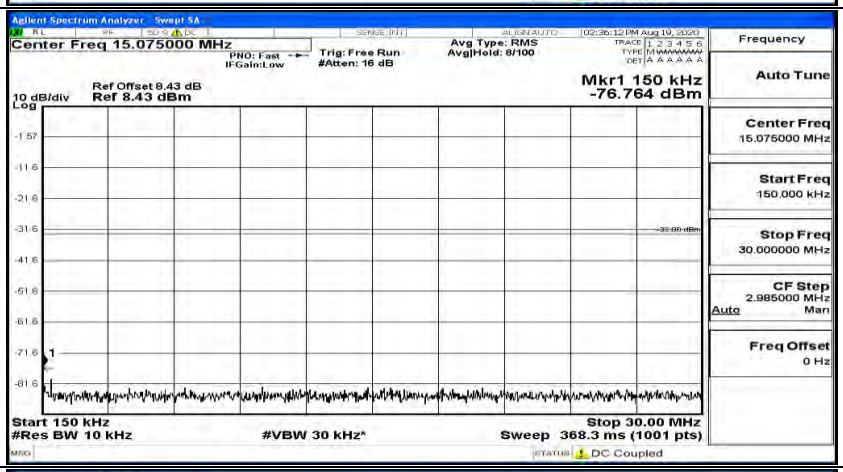
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5

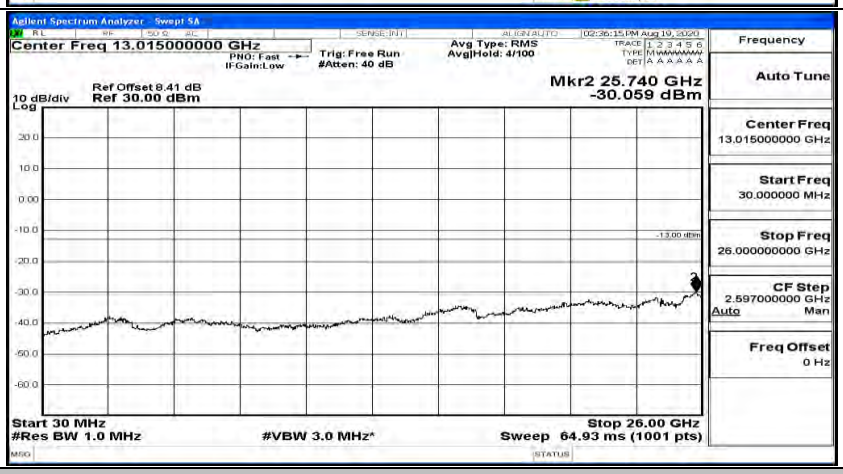




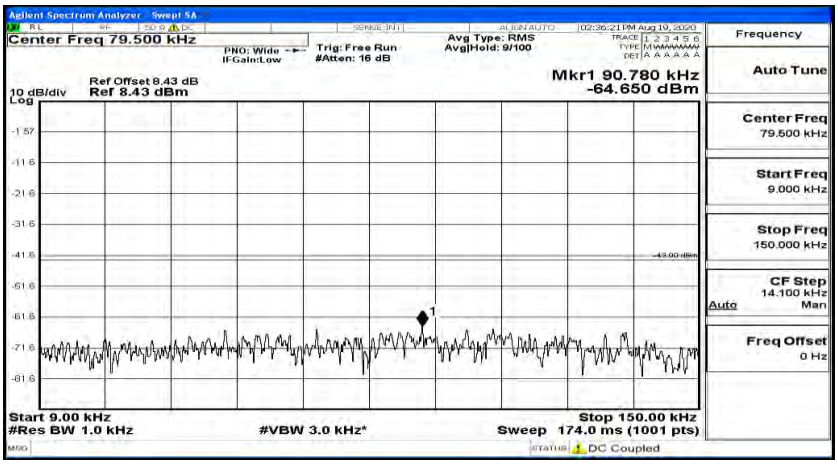
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0

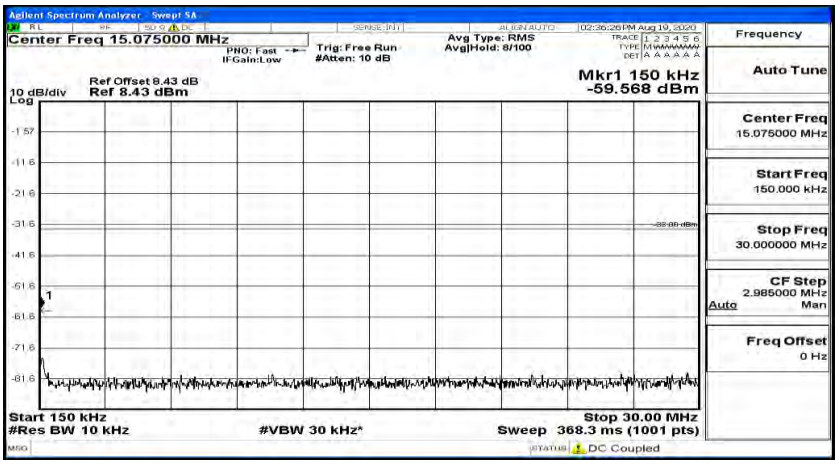




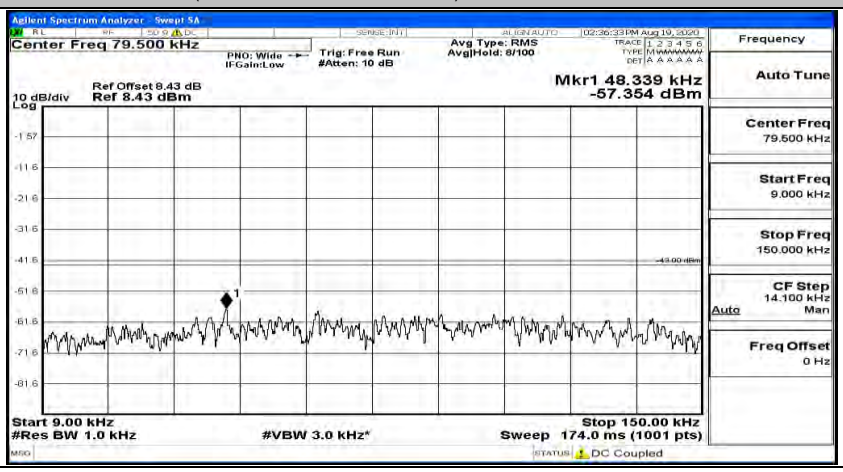


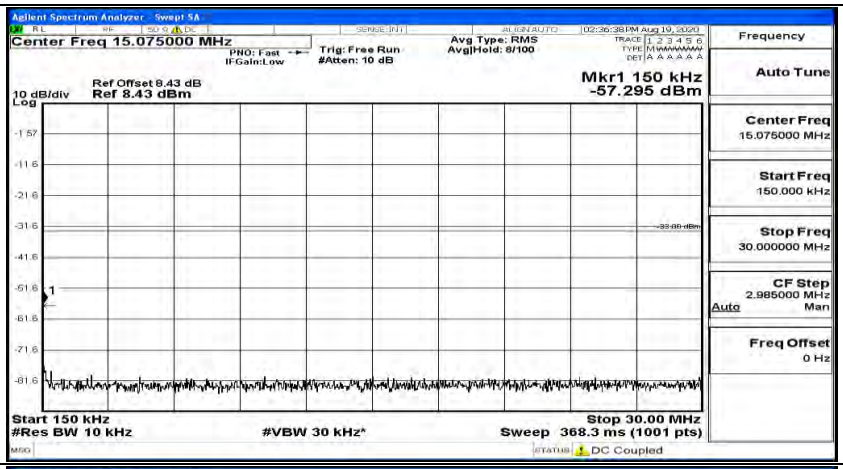
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3



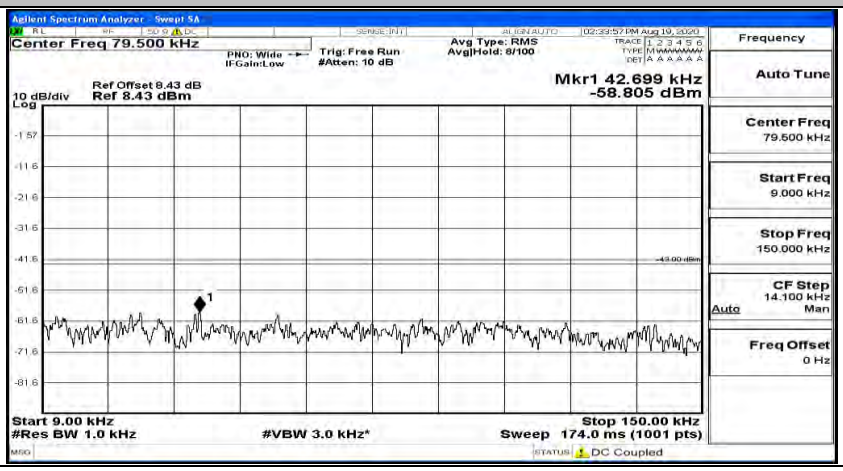


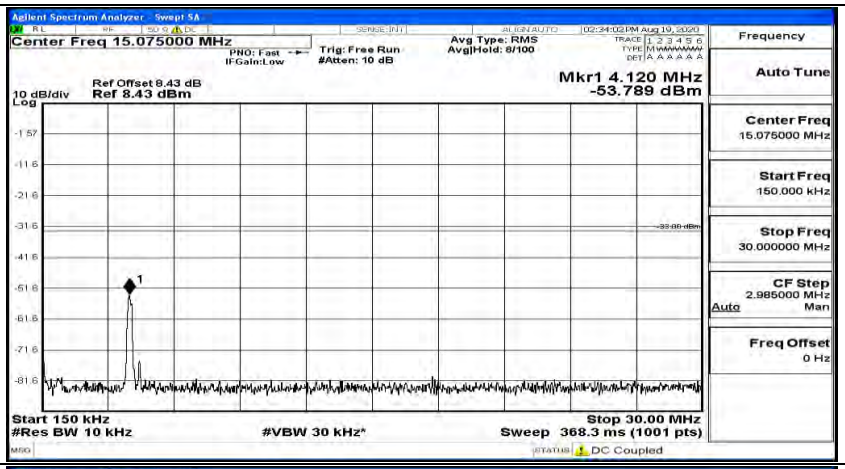
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5

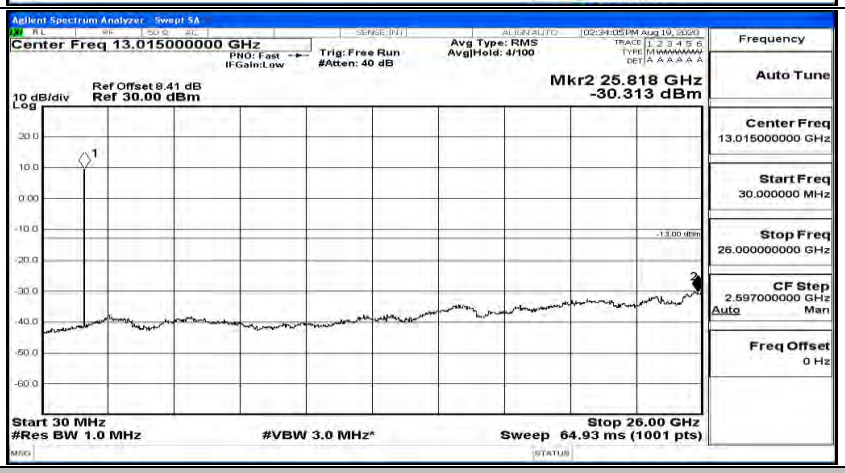




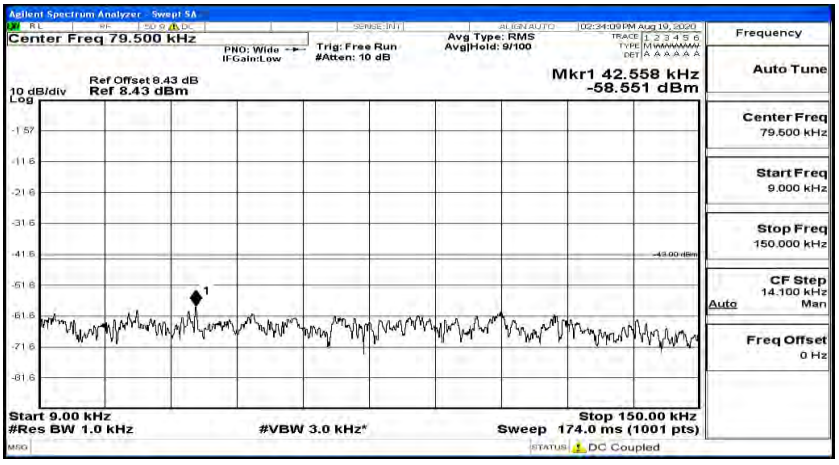
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0

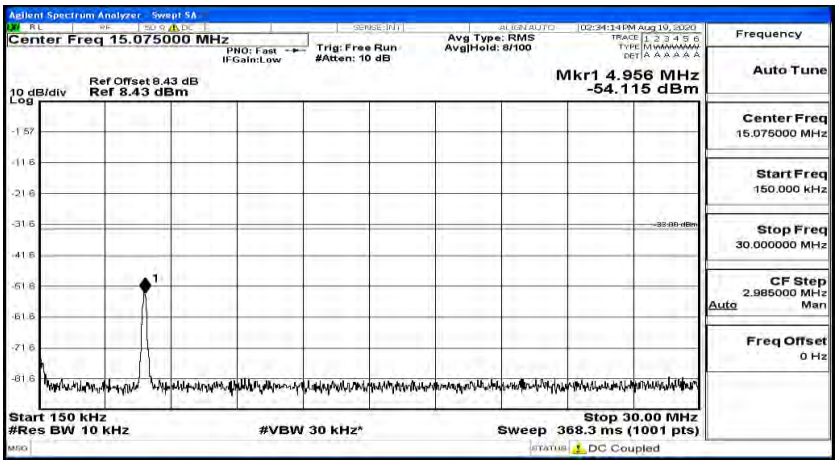


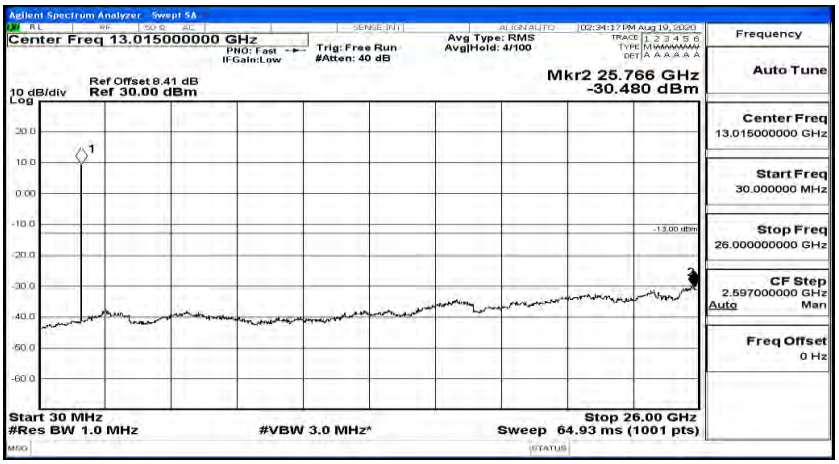




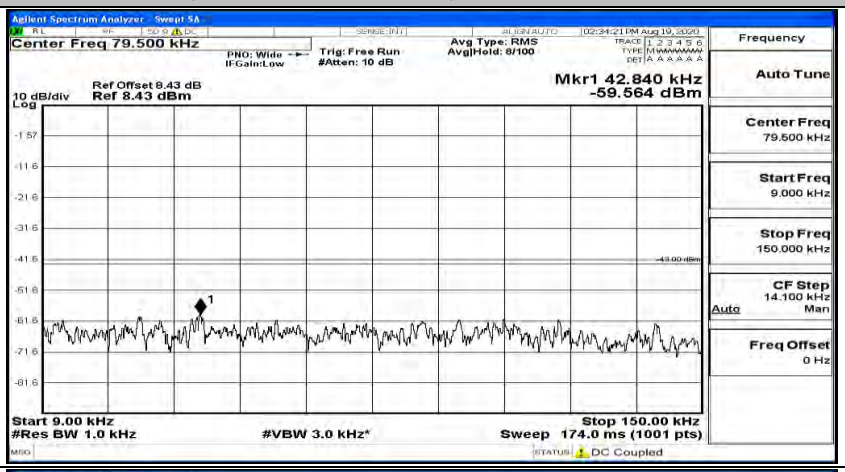
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3

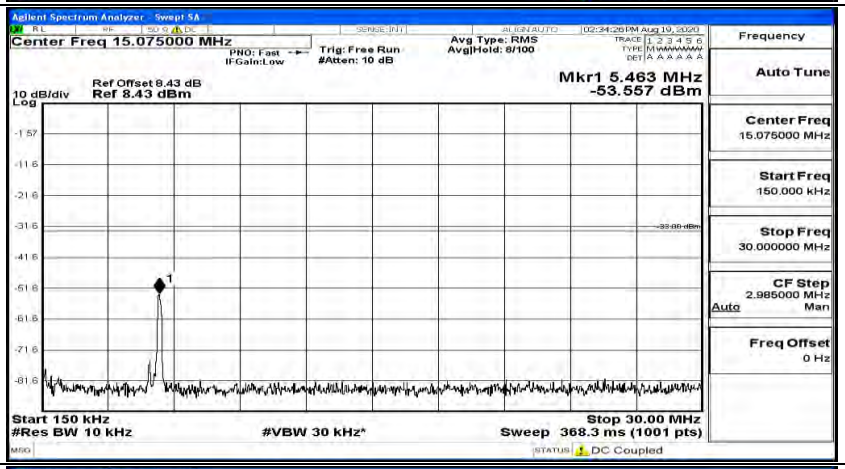




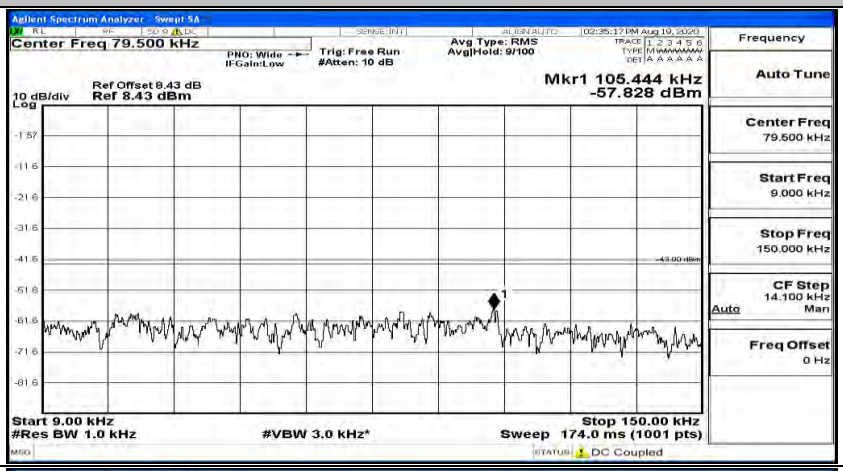


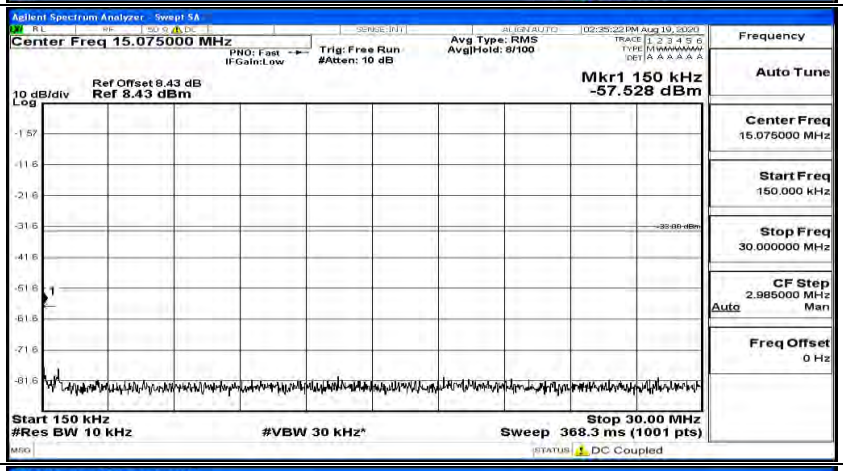
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5



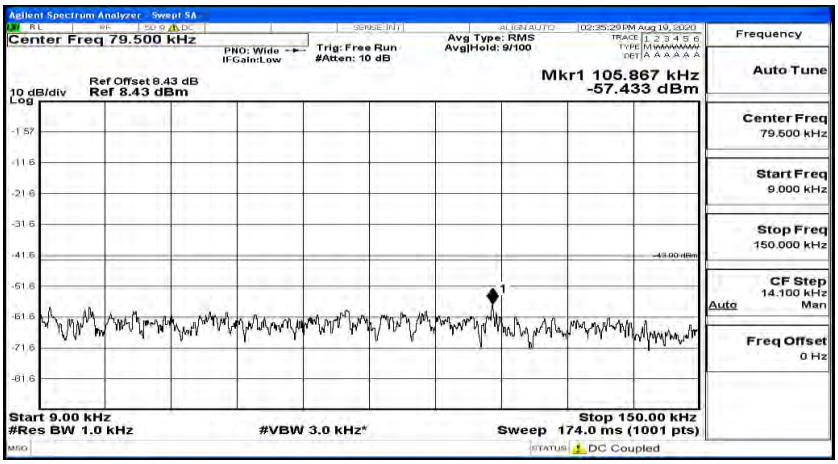


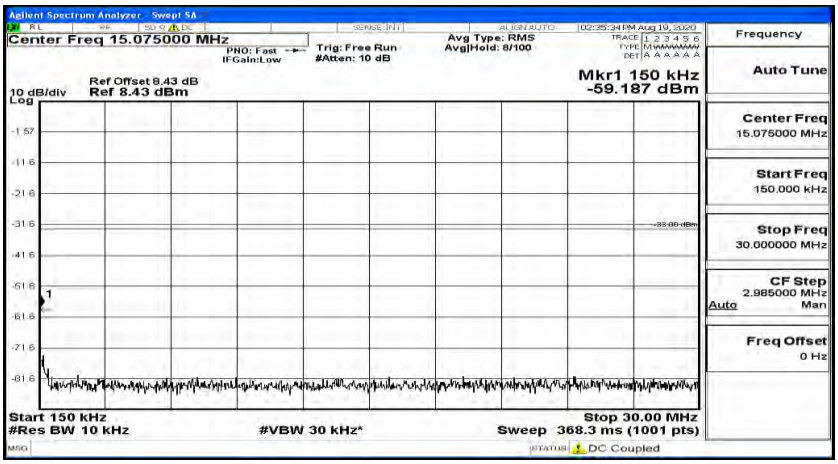
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0

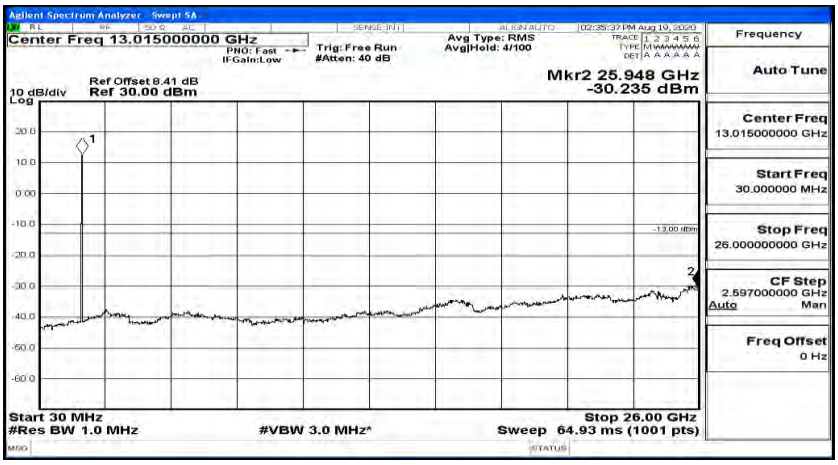




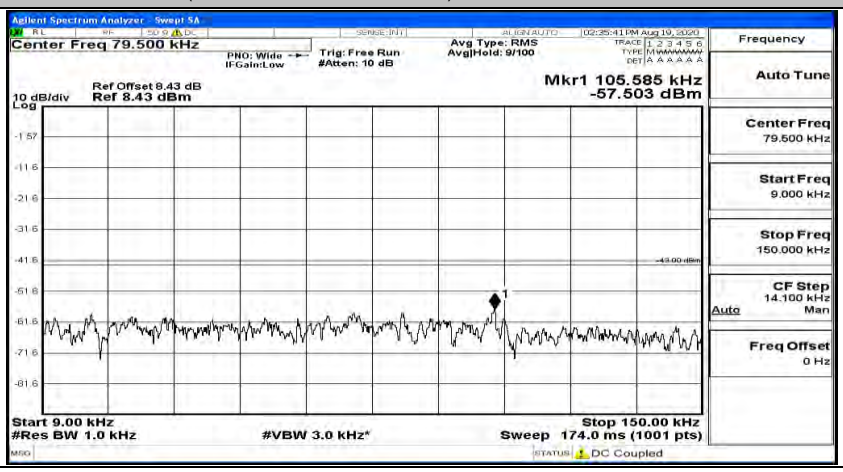
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3

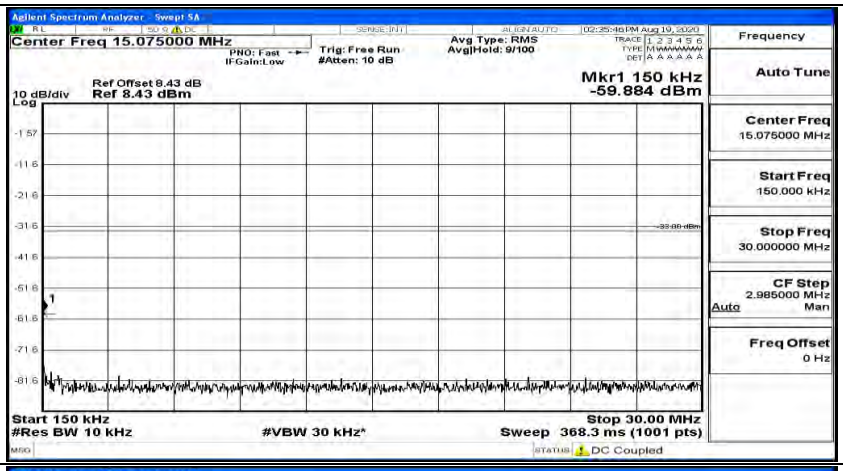




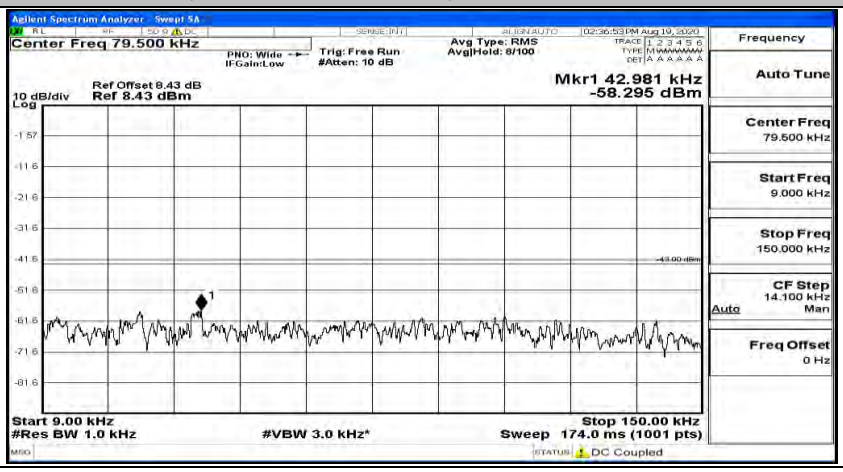


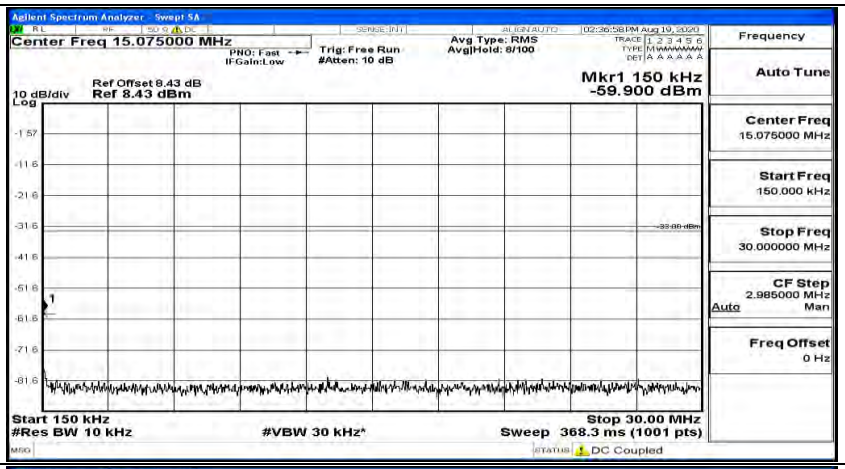
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5

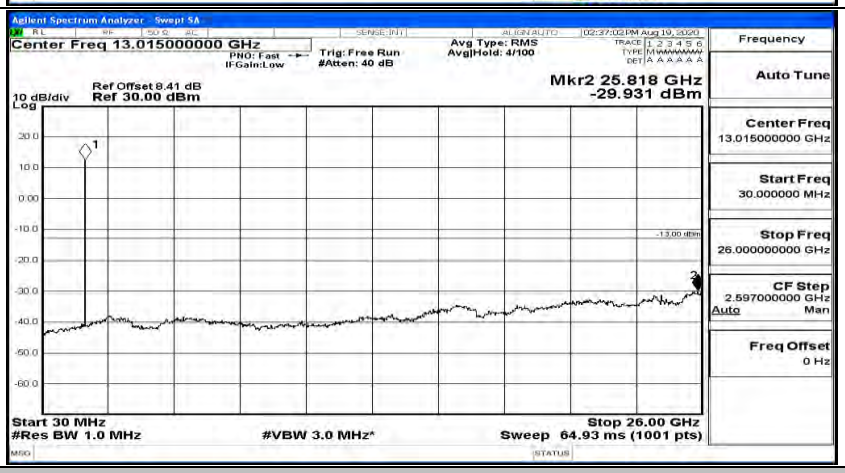




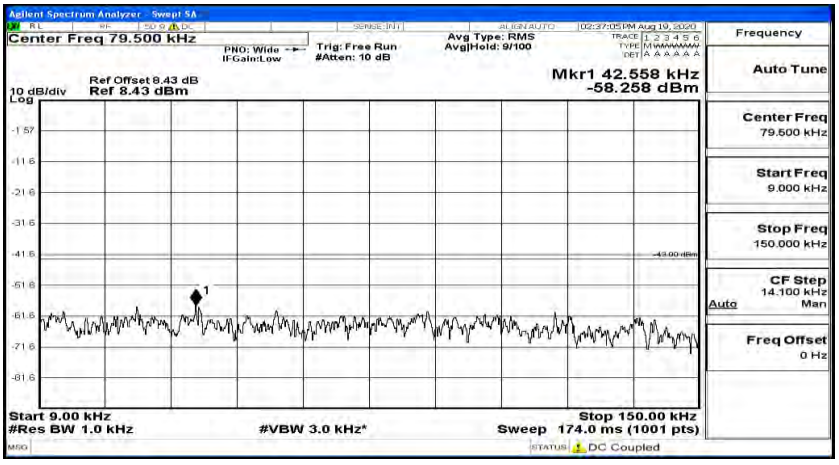
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0

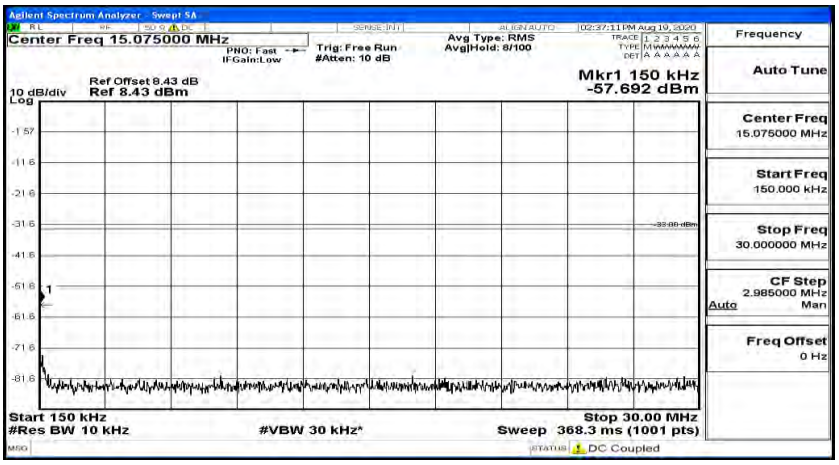




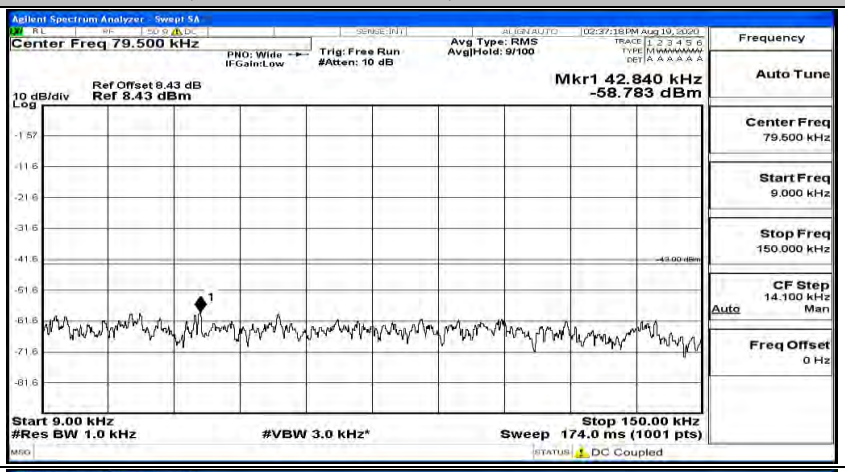


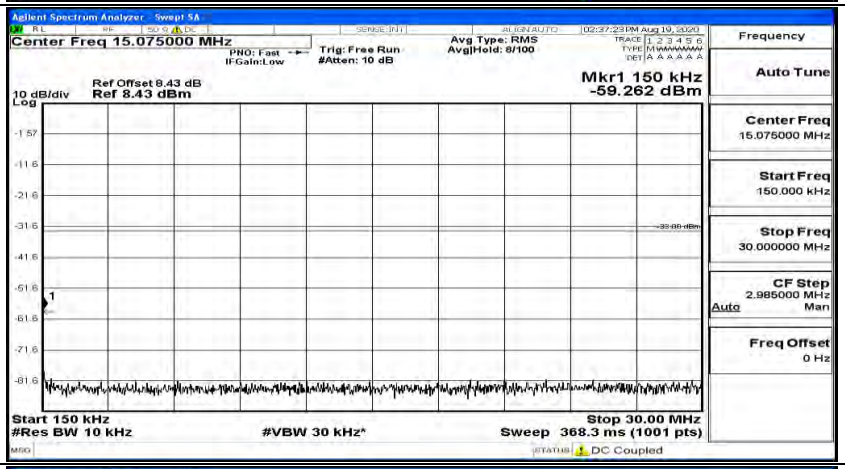
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3





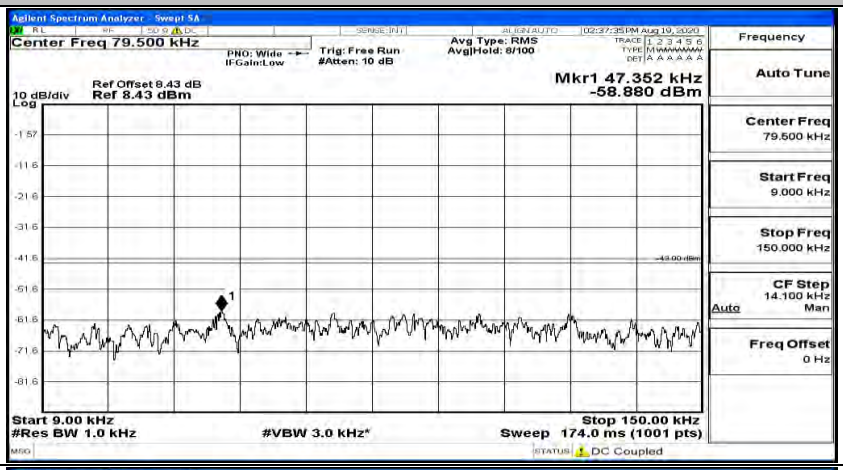
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5

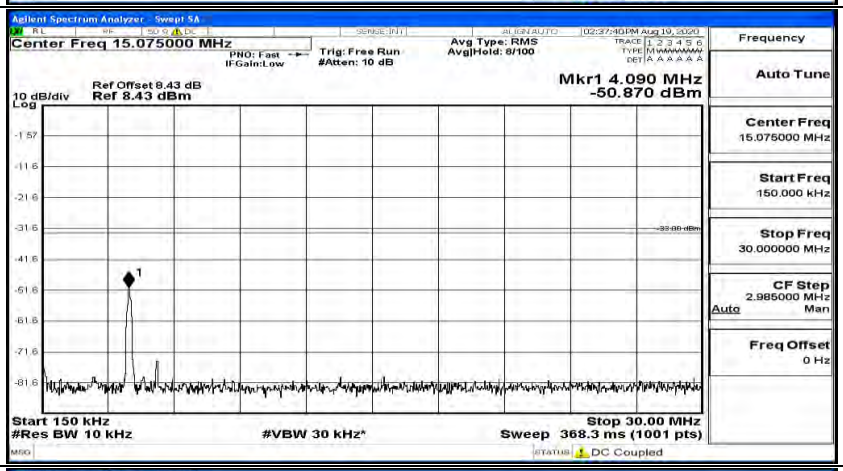


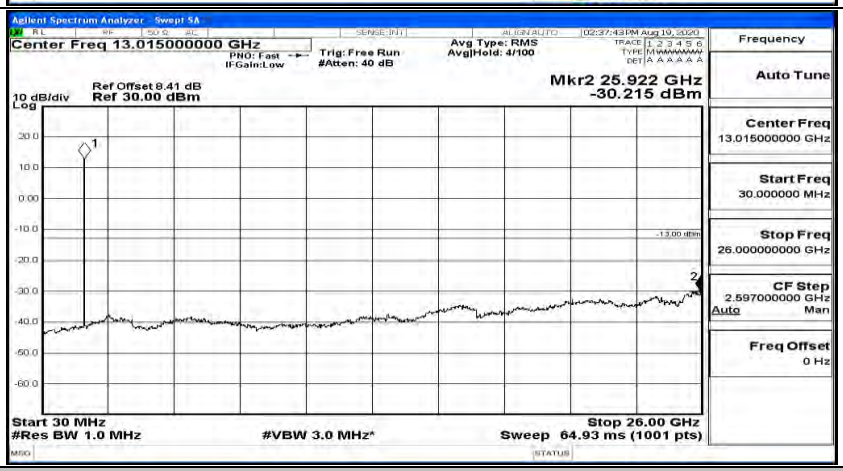


Channel Bandwidth: 3 MHz

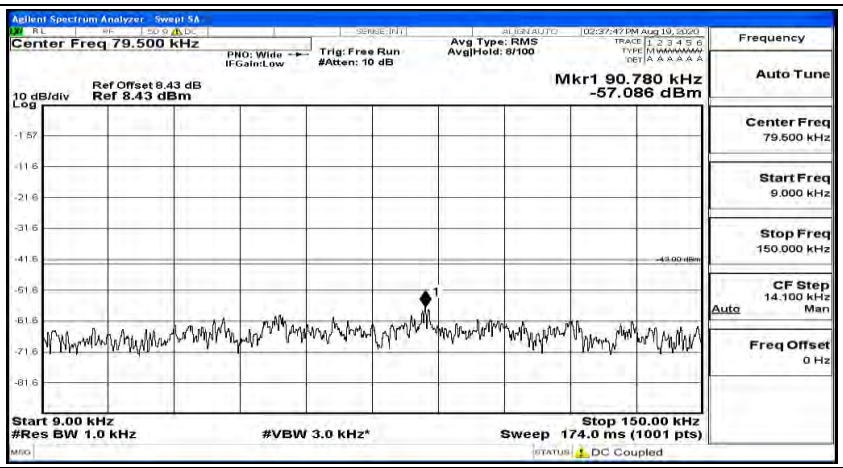
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0

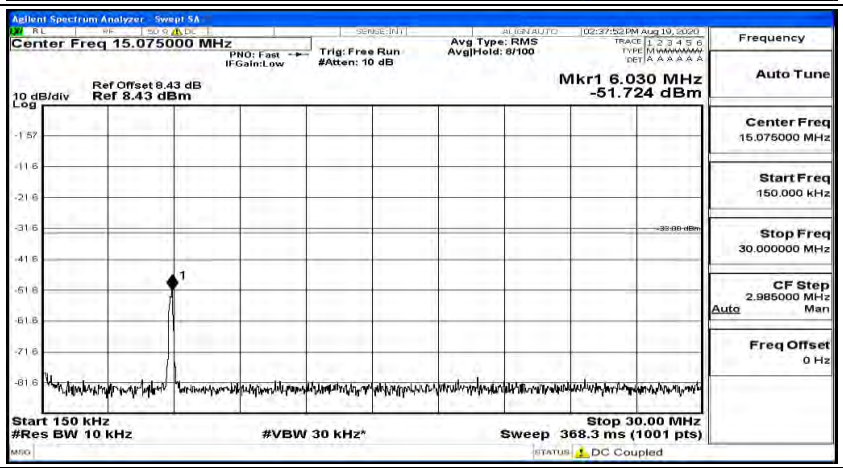


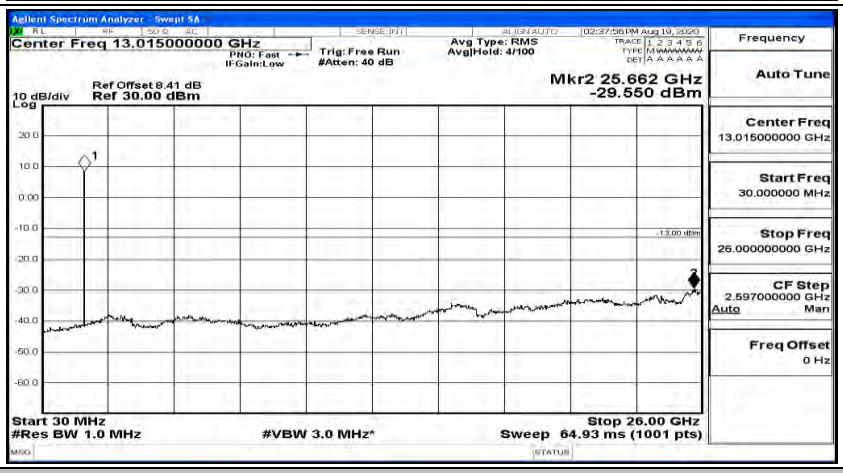




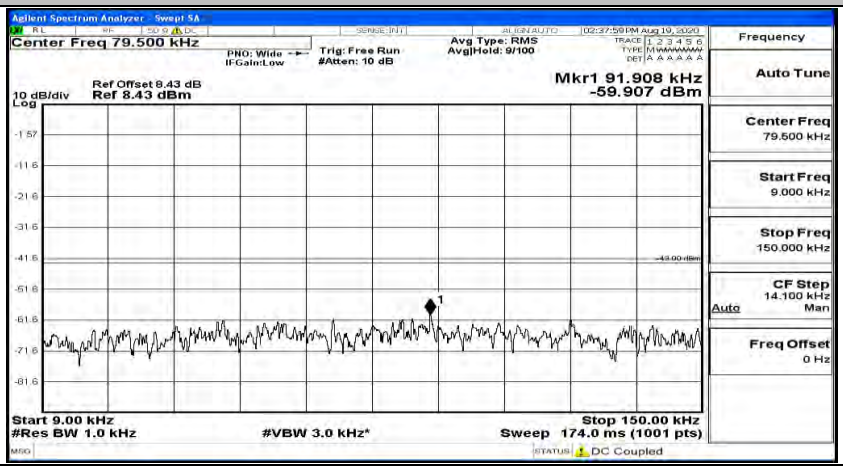
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7

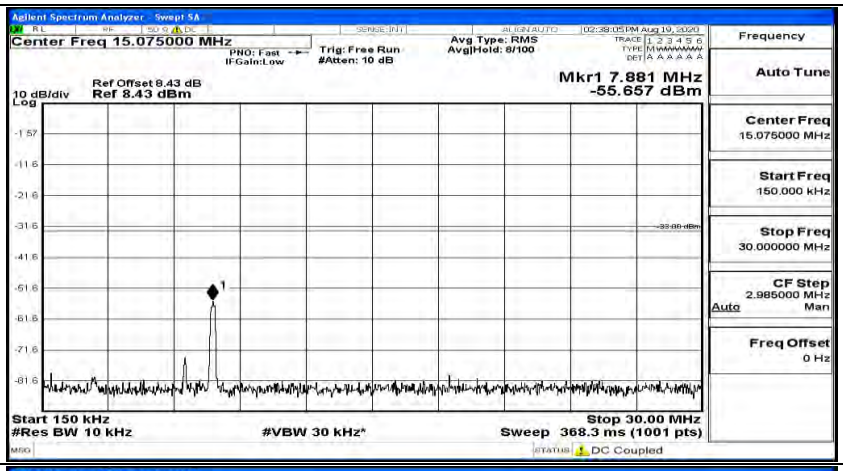




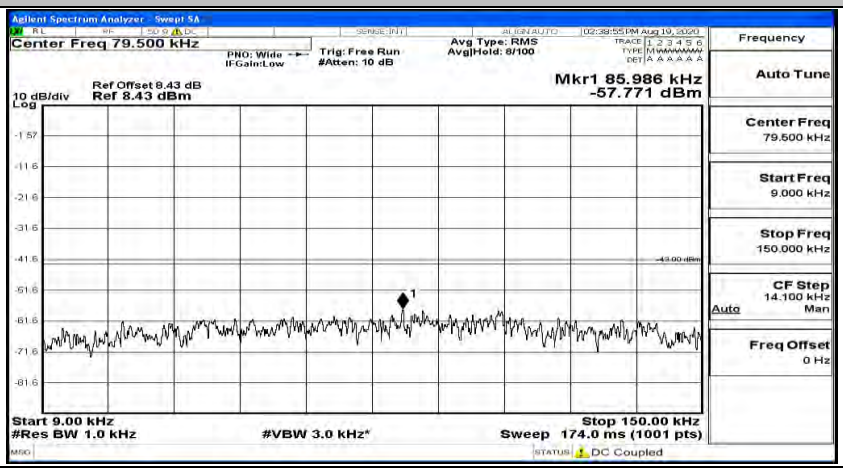


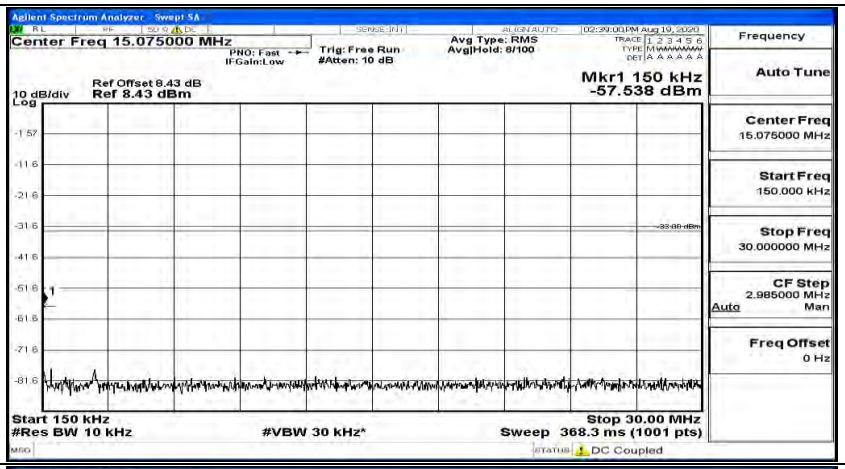
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14

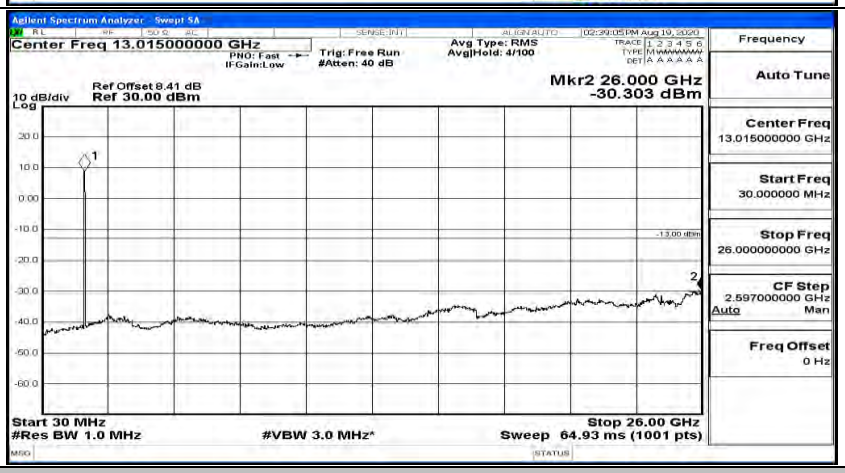




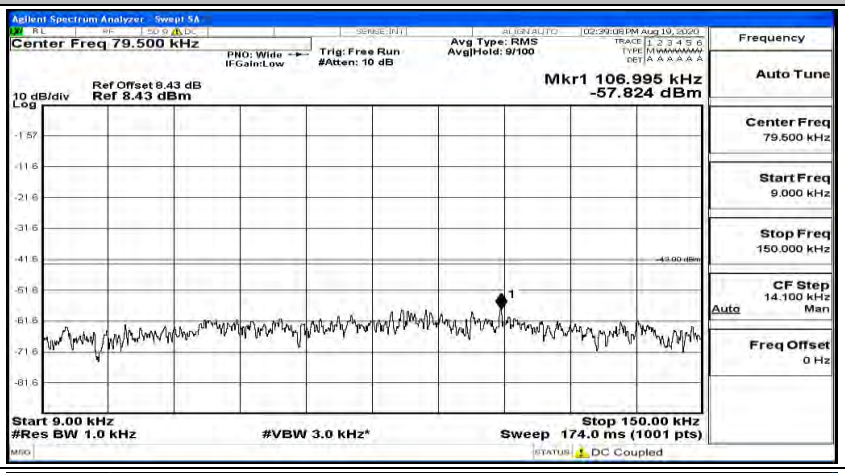
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0

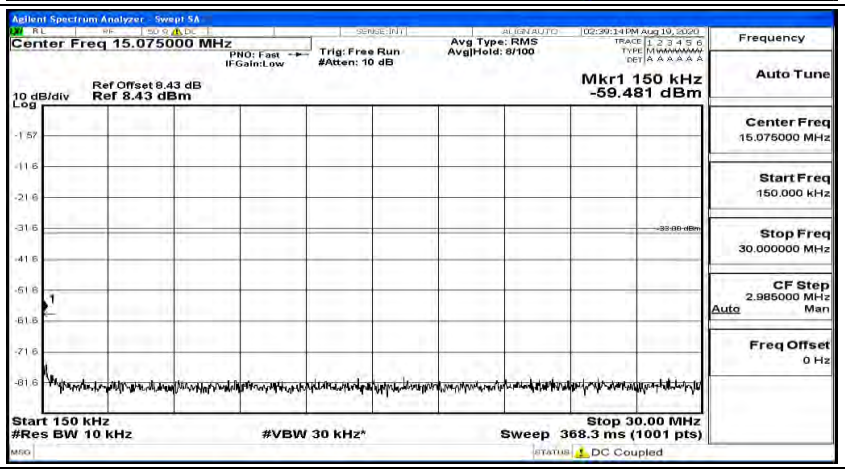


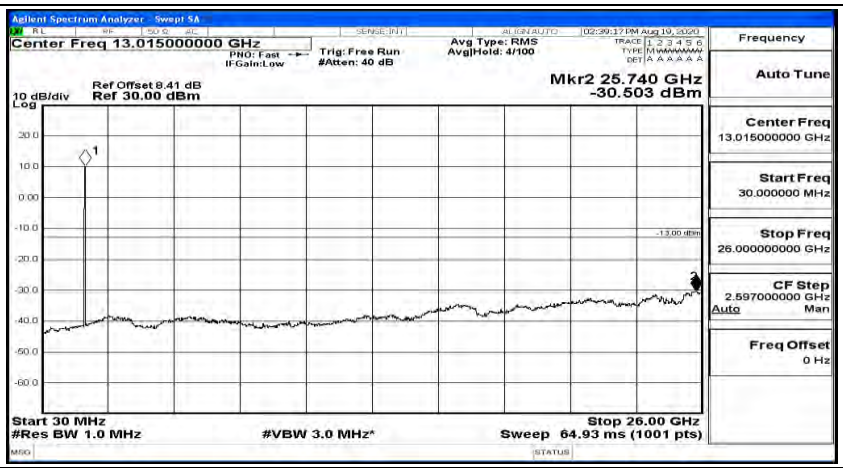




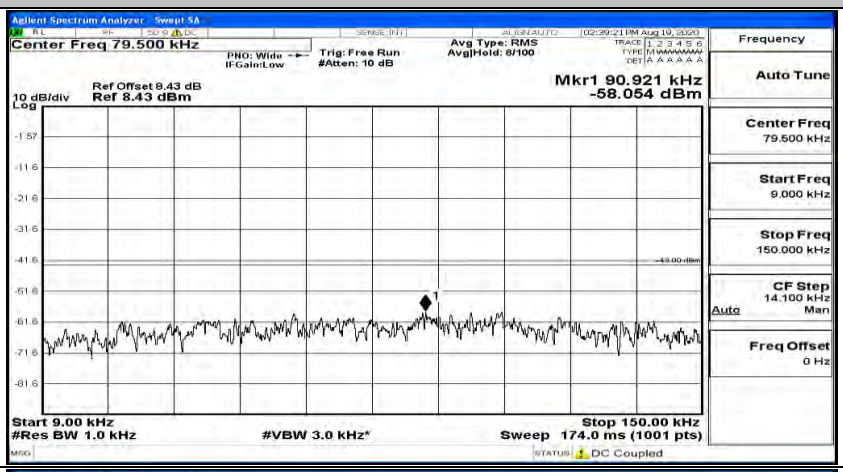
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#7

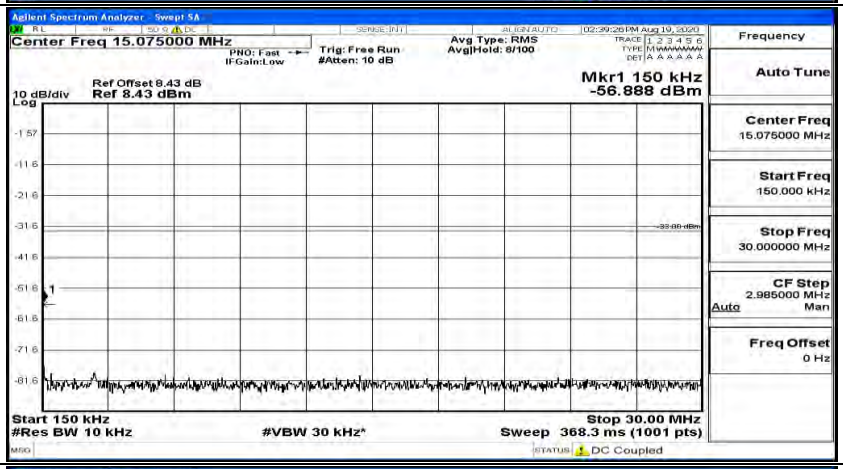




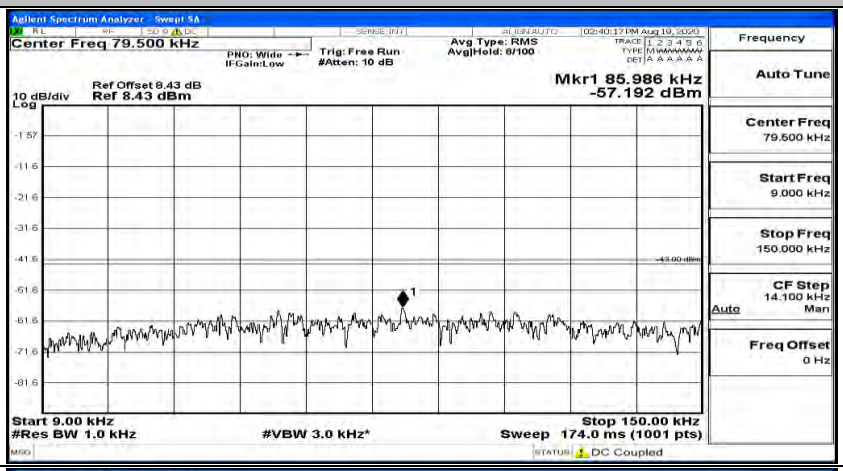


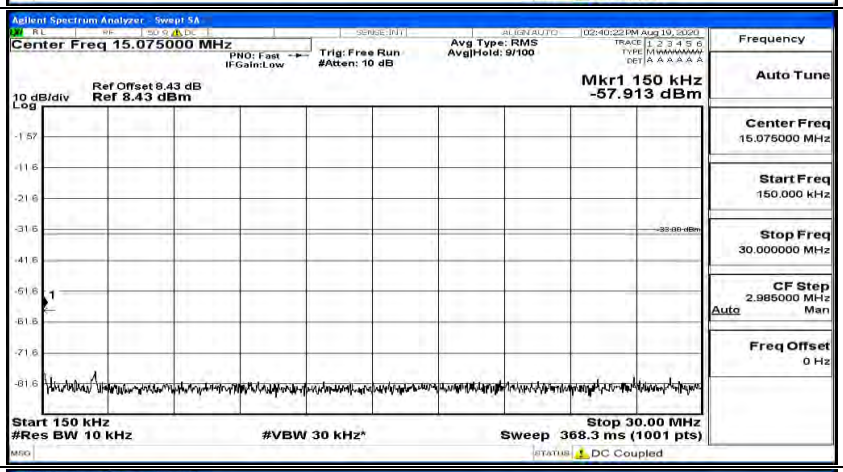
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14

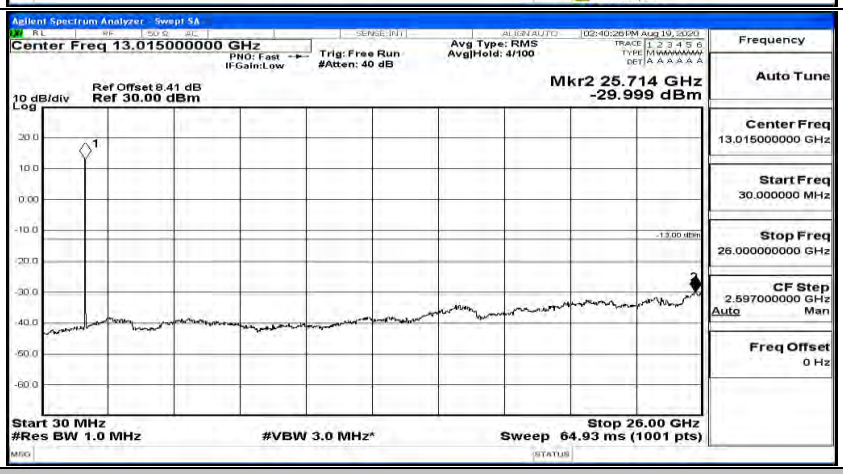




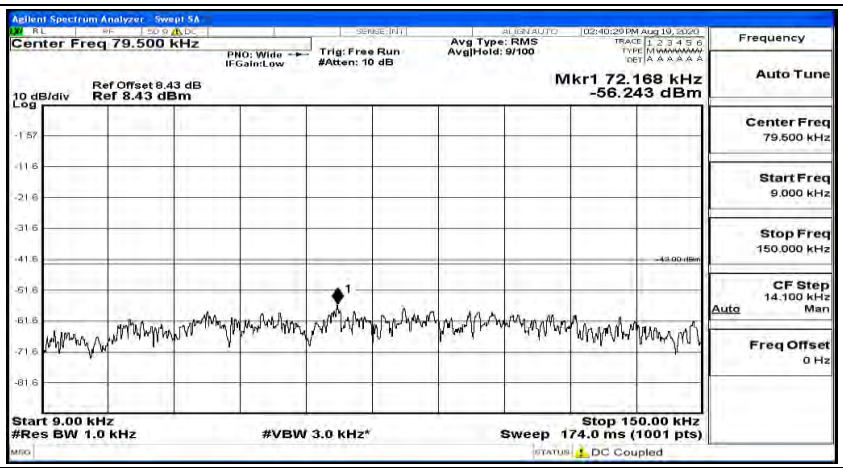
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0

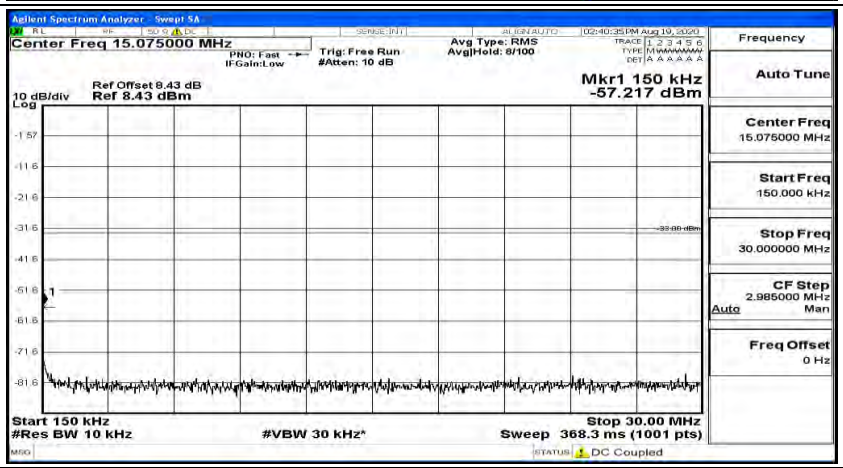


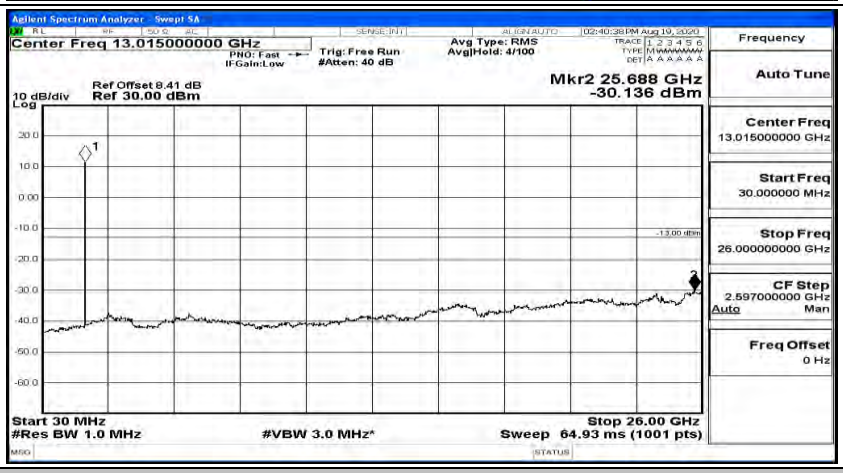




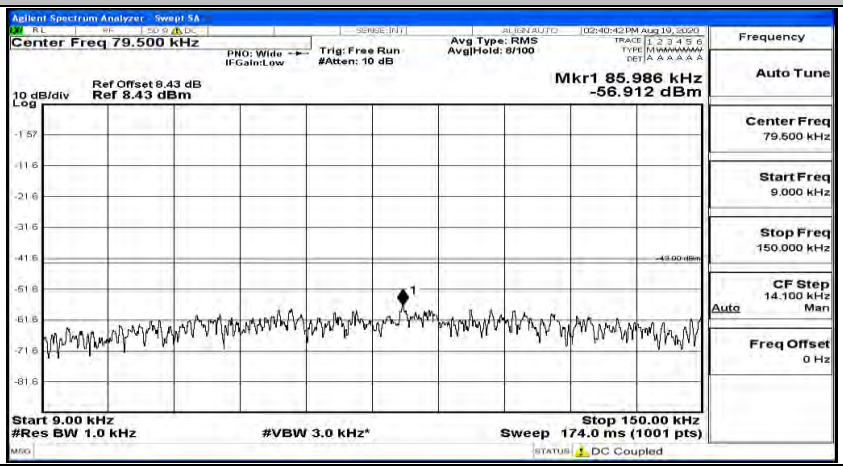
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7

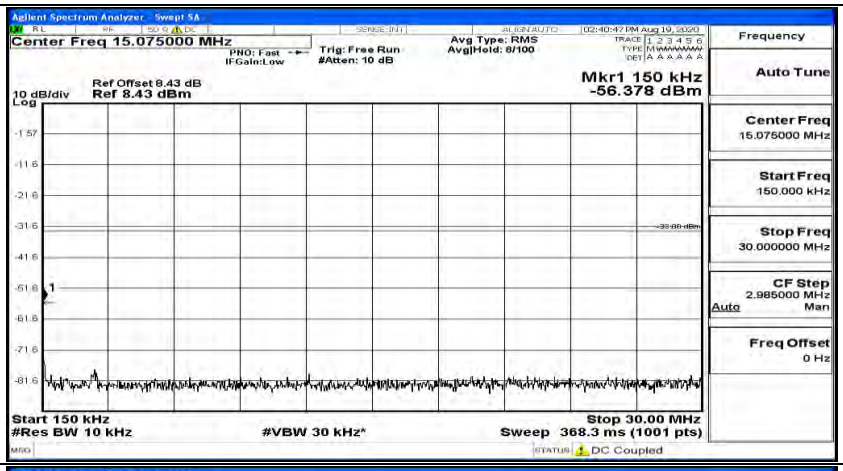






(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14




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
02:40:47 PM Aug 19, 2020
Ref Offset 8.43 dB
10 dB/div Ref 8.43 dBm
Log
Mkr1 150 kHz
-56.378 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
02:40:50 PM Aug 19, 2020
Ref Offset 8.41 dB
10 dB/div Ref 30.00 dBm
Log
Mkr2 25.948 GHz
-30.342 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
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CF Step
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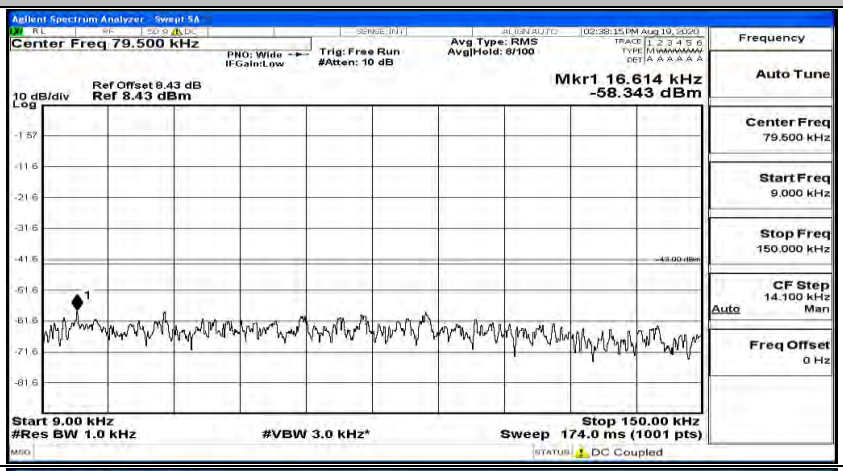
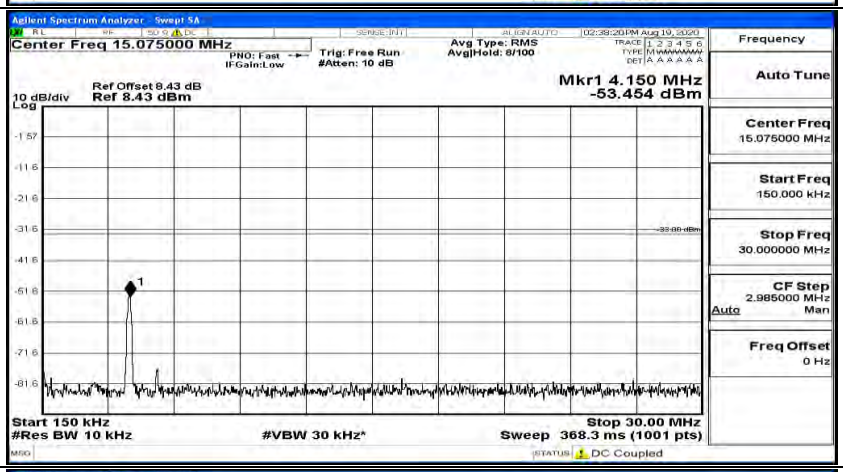
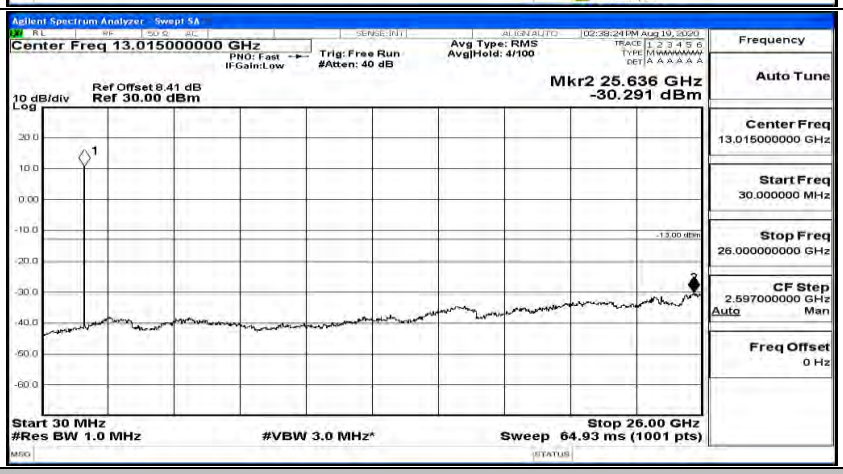
Auto Man
Freq Offset
0 Hz

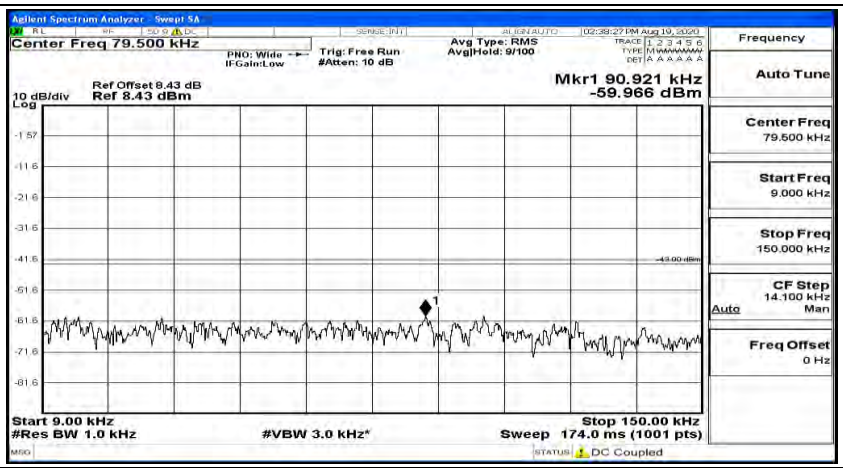
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0

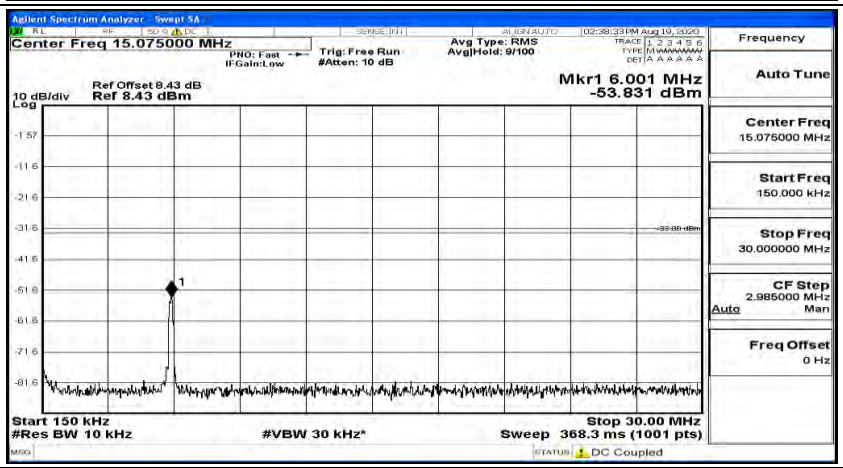




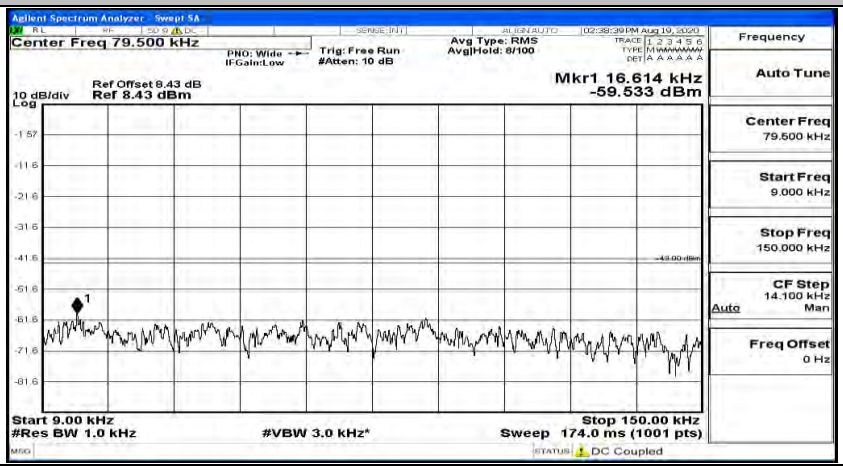


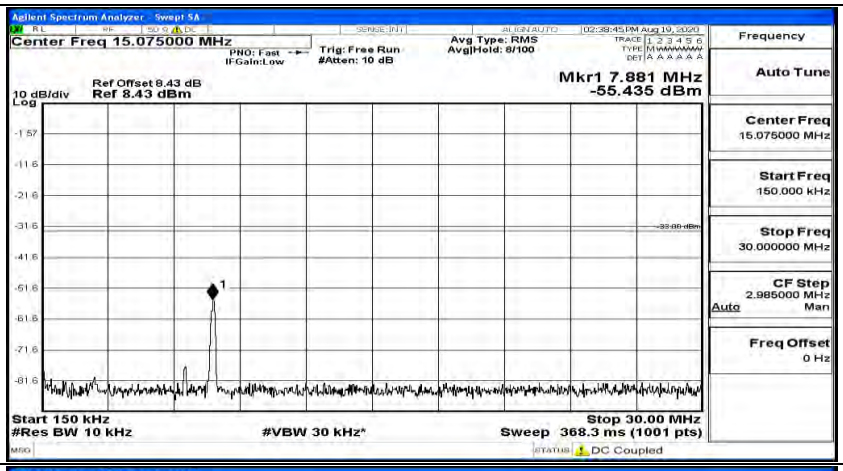
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7

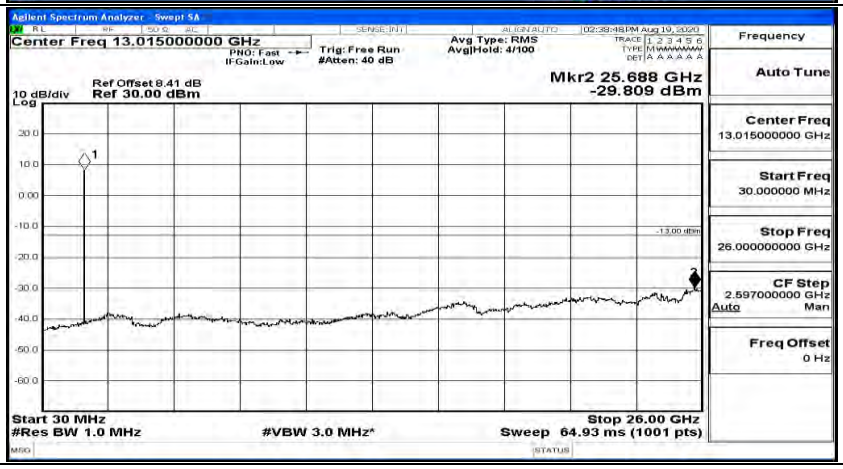




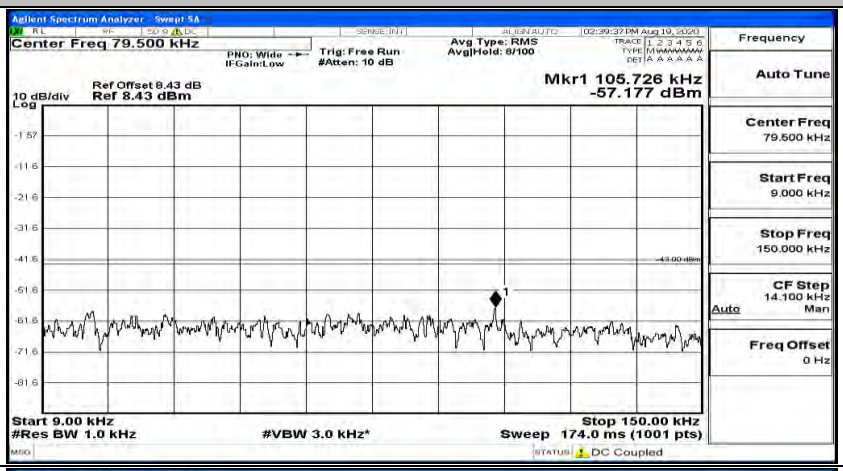
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14

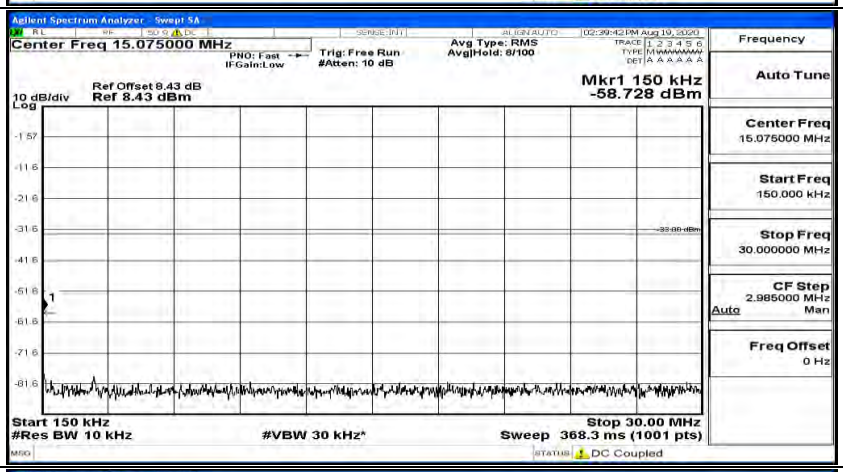


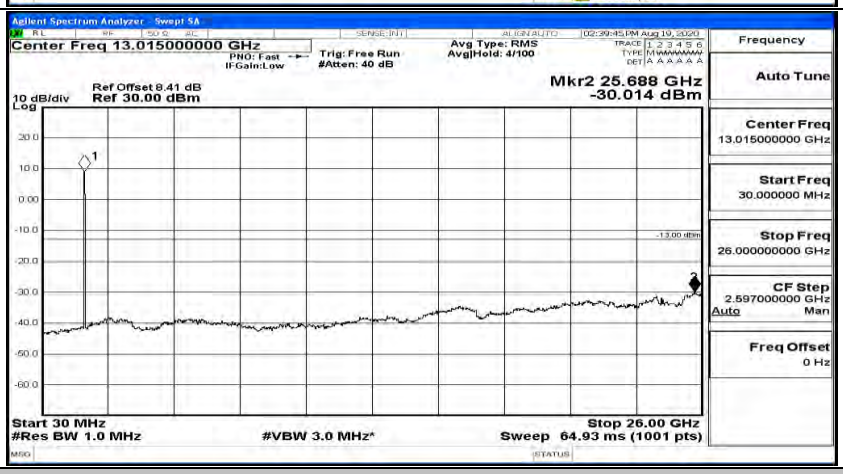

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 8/100
02:38:45 PM Aug 19, 2020
Ref Offset 8.43 dB
10 dB/div Ref 8.43 dBm
Log
Mkr1 7.881 MHz
-55.435 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz*
Stop 30.00 MHz
Sweep 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
02:38:48 PM Aug 19, 2020
Ref Offset 8.41 dB
10 dB/div Ref 30.00 dBm
Log
Mkr2 25.688 GHz
-29.809 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

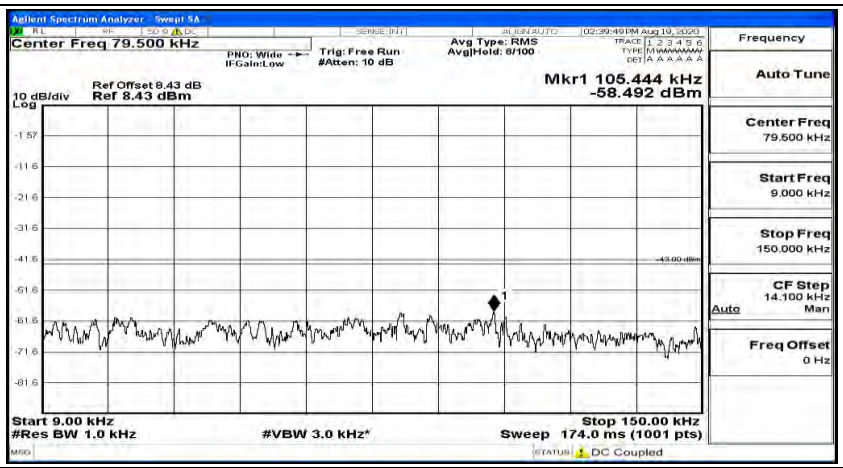
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0

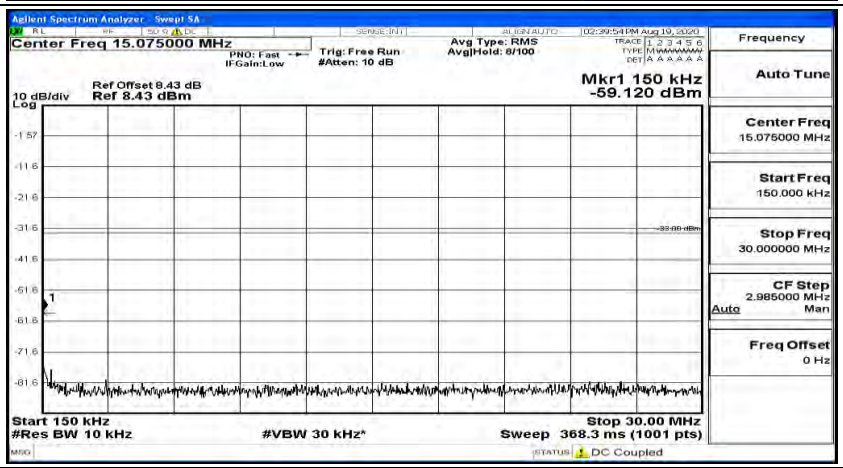




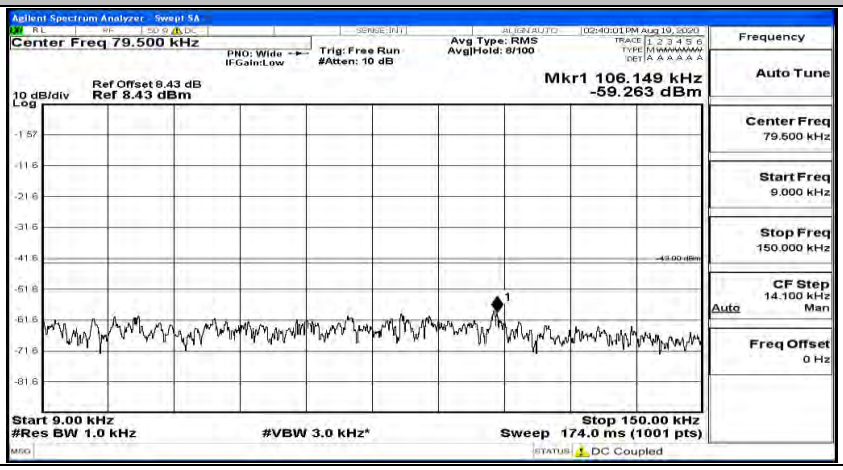


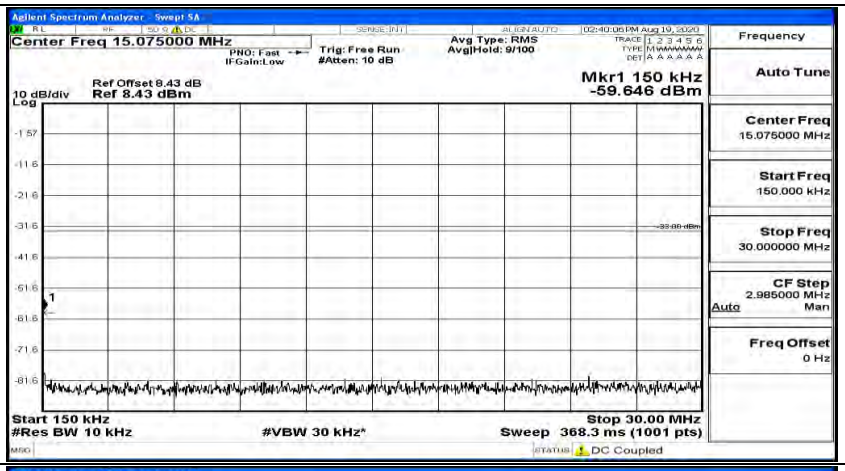
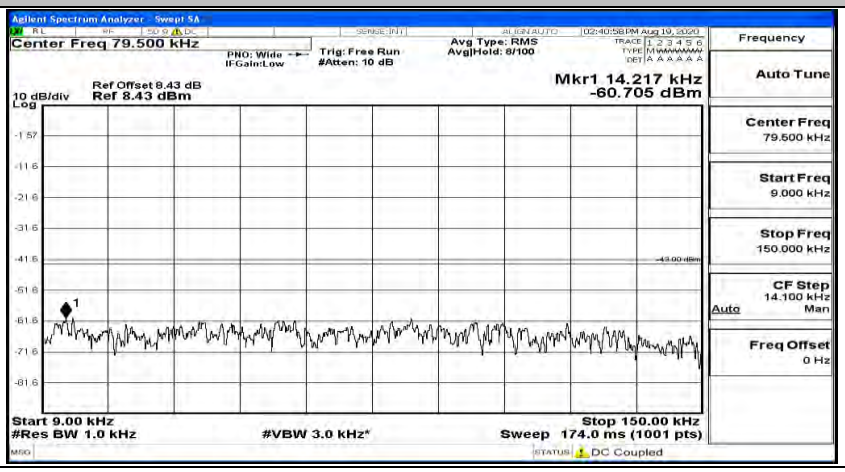
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7





(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14





(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0