



Appendix B: Test Data for E-UTRA Band 4

Product Name: CellCOM Prime 7 4G

Trade Mark: AES

Test Model: PRIME7-PX-IMPk-PED/4GA

Environmental Conditions

Temperature:	21.1 ° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Carl Fu
Supervised by:	Li Huan



B.1 Conducted Output Power

Test Result

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	22.89	22.35	PASS
		1	3	23.01	22.46	PASS
		1	5	23.01	22.43	PASS
		3	0	22.89	21.95	PASS
		3	2	22.89	21.92	PASS
		3	3	22.97	22.03	PASS
		6	0	22.15	21.61	PASS
	MCH	1	0	21.58	20.59	PASS
		1	3	21.54	20.54	PASS
		1	5	21.52	20.51	PASS
		3	0	21.44	20.47	PASS
		3	2	21.45	20.48	PASS
		3	3	21.57	20.86	PASS
		6	0	20.79	20.24	PASS
	HCH	1	0	22.65	22.16	PASS
		1	3	22.63	22.19	PASS
		1	5	22.60	22.20	PASS
		3	0	22.82	21.89	PASS
		3	2	22.82	21.83	PASS
		3	3	22.80	21.65	PASS
		6	0	21.92	21.27	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	22.71	22.18	PASS
		1	7	22.88	22.31	PASS
		1	14	22.84	22.24	PASS
		8	0	22.18	21.60	PASS
		8	4	22.16	21.60	PASS
		8	7	22.22	21.52	PASS
		15	0	22.20	21.51	PASS
	MCH	1	0	21.52	20.52	PASS
		1	7	21.65	20.46	PASS
		1	14	21.61	20.47	PASS
		8	0	20.73	20.20	PASS
		8	4	20.73	20.21	PASS
		8	7	20.73	20.20	PASS
		15	0	20.79	19.99	PASS
	HCH	1	0	22.67	22.22	PASS
		1	7	22.64	22.19	PASS
		1	14	22.56	22.10	PASS
		8	0	21.93	21.29	PASS
		8	4	21.93	21.30	PASS
		8	7	21.87	21.19	PASS
		15	0	21.87	21.13	PASS



Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	22.90	21.69	PASS
		1	12	22.93	21.72	PASS
		1	24	22.92	21.64	PASS
		12	0	22.18	21.48	PASS
		12	6	22.17	21.51	PASS
		12	13	22.19	21.47	PASS
		25	0	22.18	21.56	PASS
	MCH	1	0	21.41	21.11	PASS
		1	12	21.39	21.19	PASS
		1	24	21.46	21.25	PASS
		12	0	20.67	20.09	PASS
		12	6	20.81	20.10	PASS
		12	13	20.76	20.05	PASS
		25	0	20.77	20.02	PASS
	HCH	1	0	22.84	22.01	PASS
		1	12	22.93	22.00	PASS
		1	24	22.80	21.95	PASS
		12	0	22.02	21.26	PASS
		12	6	22.02	21.22	PASS
		12	13	21.98	21.19	PASS
		25	0	21.98	21.27	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	22.82	21.74	PASS
		1	24	22.81	21.87	PASS
		1	49	22.51	21.70	PASS
		25	0	22.22	21.39	PASS
		25	12	22.22	21.44	PASS
		25	25	21.93	21.38	PASS
		50	0	22.08	21.35	PASS
	MCH	1	0	21.64	22.05	PASS
		1	24	21.55	22.78	PASS
		1	49	21.56	21.81	PASS
		25	0	20.74	21.12	PASS
		25	12	20.73	21.11	PASS
		25	25	20.82	20.97	PASS
		50	0	20.75	21.17	PASS
	HCH	1	0	22.28	21.84	PASS
		1	24	22.58	22.83	PASS
		1	49	22.55	23.07	PASS
		25	0	21.86	21.24	PASS
		25	12	21.86	21.59	PASS
		25	25	21.91	21.65	PASS
		50	0	21.95	21.48	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	22.80	22.20	PASS
		1	37	22.66	22.14	PASS
		1	74	21.94	21.35	PASS
		37	0	21.89	21.88	PASS
		37	18	21.89	21.87	PASS
		37	38	21.89	21.87	PASS
		75	0	21.87	21.23	PASS
	MCH	1	0	21.49	21.31	PASS
		1	37	21.23	20.94	PASS
		1	74	21.56	21.32	PASS
		37	0	20.81	20.80	PASS
		37	18	20.85	20.79	PASS
		37	38	20.80	20.80	PASS
		75	0	20.79	20.28	PASS
	HCH	1	0	21.84	21.60	PASS
		1	37	22.47	22.17	PASS
		1	74	22.54	22.23	PASS
		37	0	21.78	21.79	PASS
		37	18	21.78	21.79	PASS
		37	38	21.78	21.79	PASS
		75	0	21.80	21.15	PASS



Conducted Output Power Test Result (Channel Bandwidth: 20 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	22.84	22.14	PASS
		1	49	22.89	21.77	PASS
		1	99	21.93	20.80	PASS
		50	0	22.06	21.43	PASS
		50	25	22.06	21.43	PASS
		50	50	21.20	20.60	PASS
		100	0	21.60	20.99	PASS
	MCH	1	0	22.02	21.96	PASS
		1	49	21.48	21.31	PASS
		1	99	22.03	21.79	PASS
		50	0	20.87	20.27	PASS
		50	25	20.96	20.27	PASS
		50	50	21.06	20.41	PASS
		100	0	20.95	20.42	PASS
	HCH	1	0	21.73	20.59	PASS
		1	49	22.55	21.41	PASS
		1	99	22.86	21.56	PASS
		50	0	21.31	20.71	PASS
		50	25	21.30	20.71	PASS
		50	50	22.03	21.30	PASS
		100	0	21.75	20.99	PASS



B.2 Peak-to-Average Ratio

Test Result

Peak-to Average Ratio Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	3.92	<13	PASS
	MCH	4.45	<13	PASS
	HCH	3.8	<13	PASS
16QAM	LCH	4.49	<13	PASS
	MCH	5.2	<13	PASS
	HCH	4.49	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	3.85	<13	PASS
	MCH	4.53	<13	PASS
	HCH	3.73	<13	PASS
16QAM	LCH	4.61	<13	PASS
	MCH	5.22	<13	PASS
	HCH	4.45	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	3.95	<13	PASS
	MCH	4.5	<13	PASS
	HCH	3.75	<13	PASS
16QAM	LCH	4.57	<13	PASS
	MCH	5.17	<13	PASS
	HCH	4.42	<13	PASS



Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.22	<13	PASS
	MCH	4.46	<13	PASS
	HCH	3.52	<13	PASS
16QAM	LCH	4.89	<13	PASS
	MCH	5.11	<13	PASS
	HCH	4.17	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.74	<13	PASS
	MCH	4.83	<13	PASS
	HCH	3.94	<13	PASS
16QAM	LCH	5.24	<13	PASS
	MCH	5.36	<13	PASS
	HCH	4.49	<13	PASS

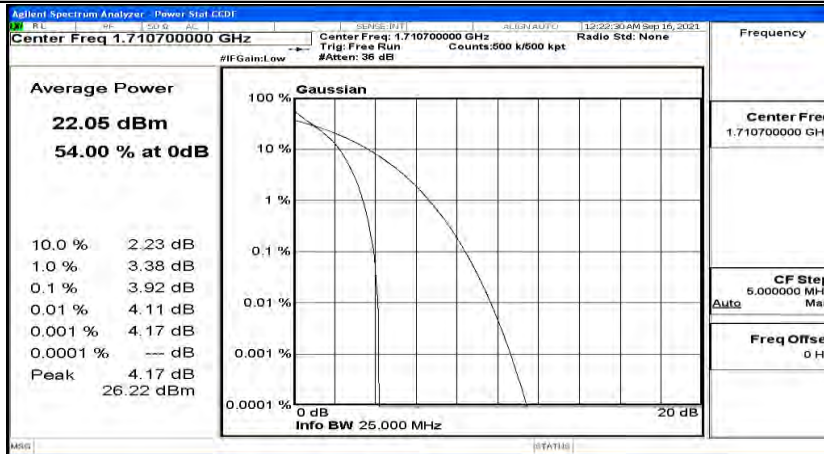
Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.76	<13	PASS
	MCH	4.96	<13	PASS
	HCH	4.27	<13	PASS
16QAM	LCH	5.42	<13	PASS
	MCH	5.5	<13	PASS
	HCH	4.88	<13	PASS



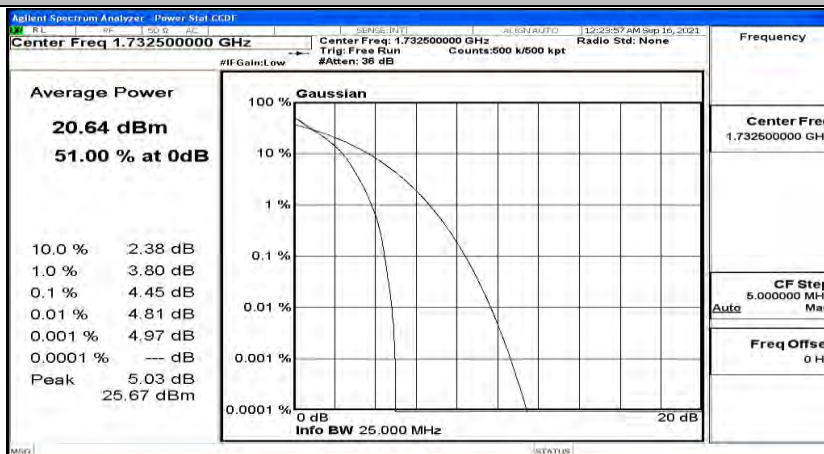
Test Graphs

Channel Bandwidth: 1.4 MHz

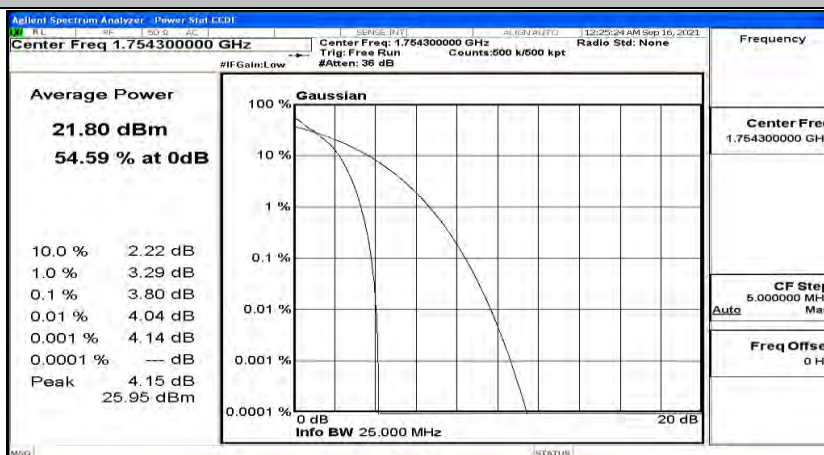
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK



(Channel Bandwidth: 1.4 MHz)_MCH_QPSK

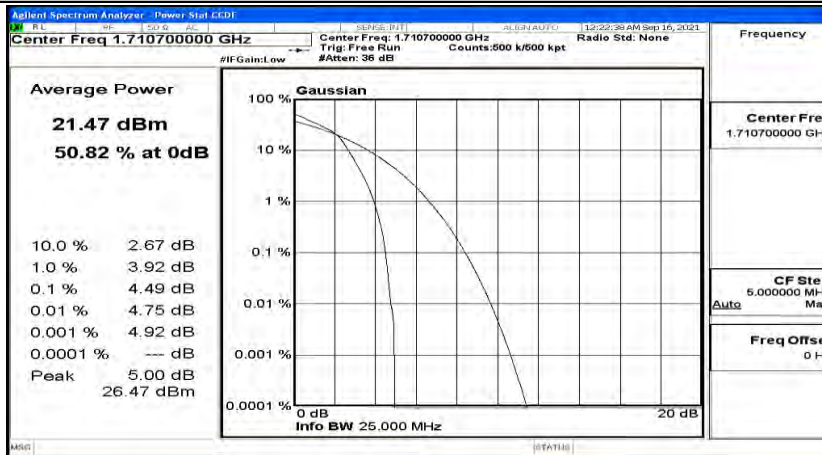


(Channel Bandwidth: 1.4 MHz)_HCH_QPSK

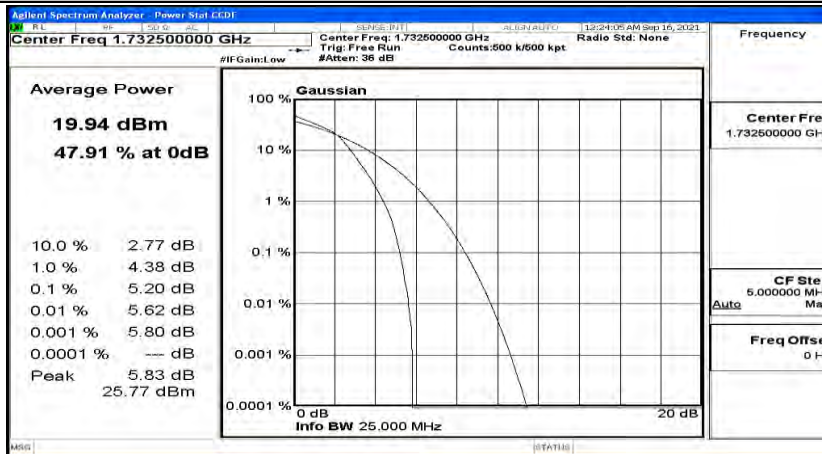




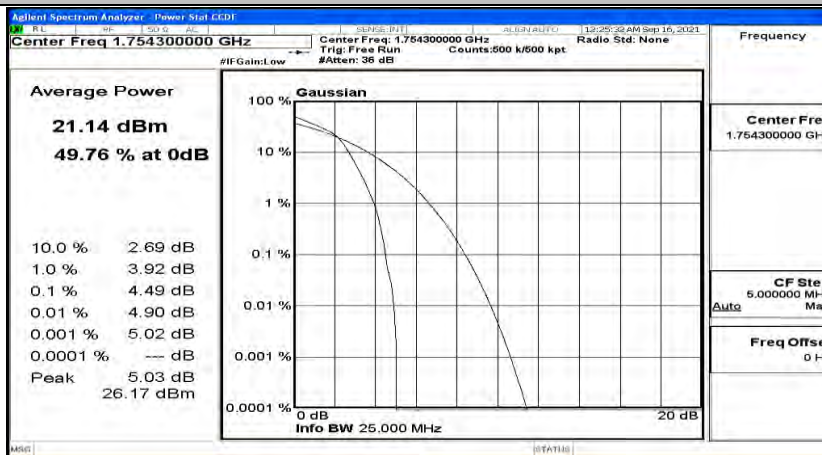
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM



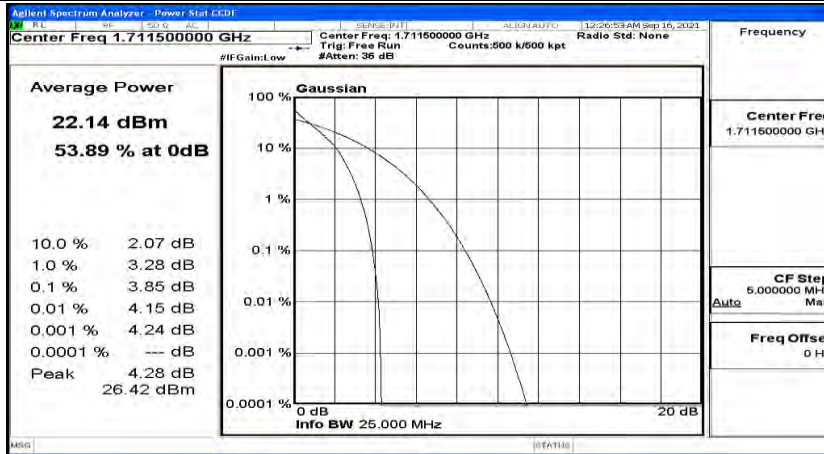
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM



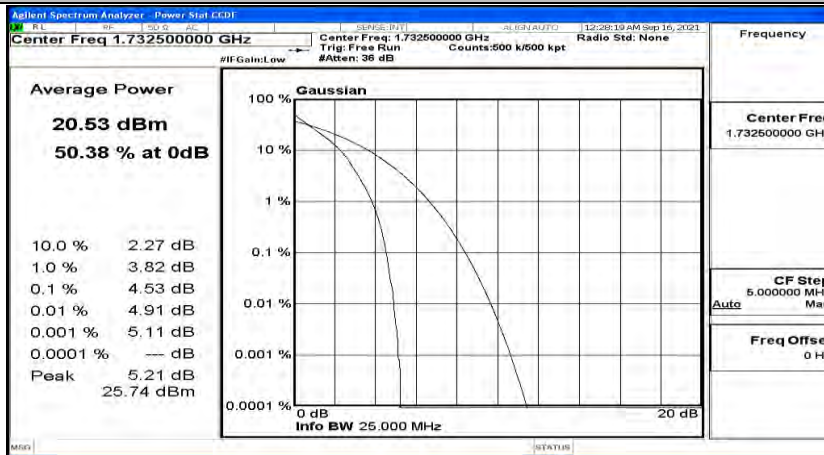


Channel Bandwidth: 3 MHz

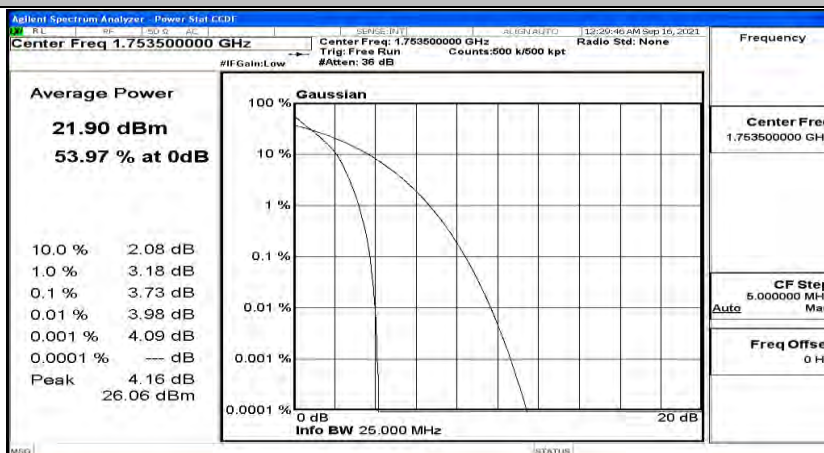
(Channel Bandwidth: 3 MHz)_LCH_QPSK



(Channel Bandwidth: 3 MHz)_MCH_QPSK

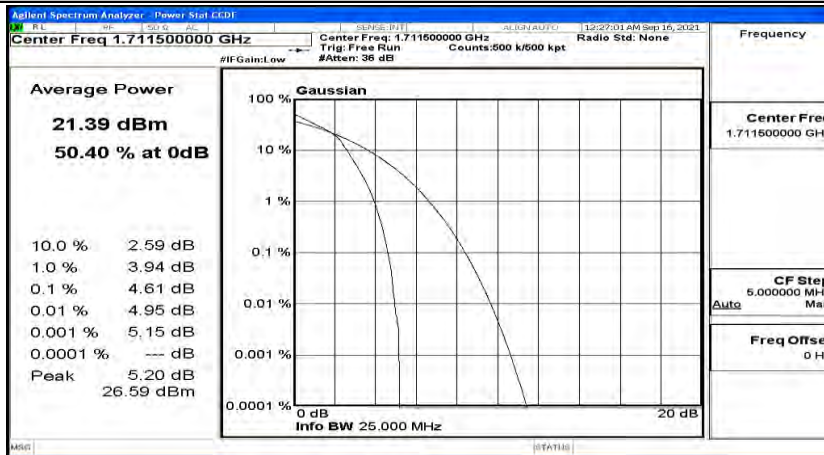


(Channel Bandwidth: 3 MHz)_HCH_QPSK

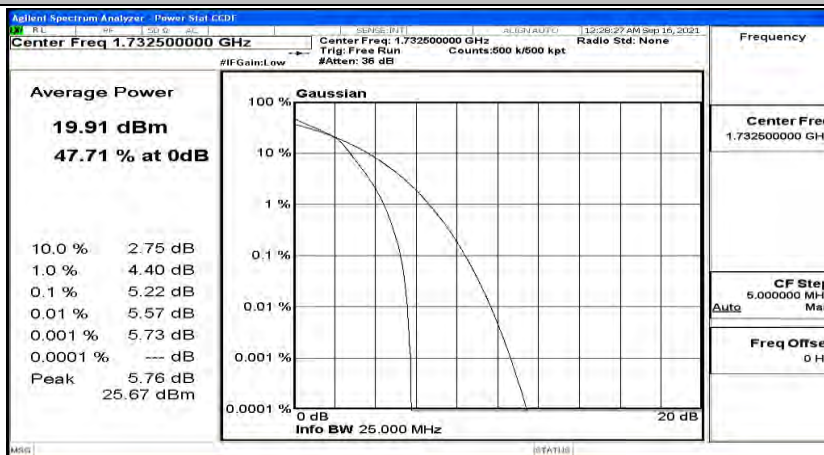




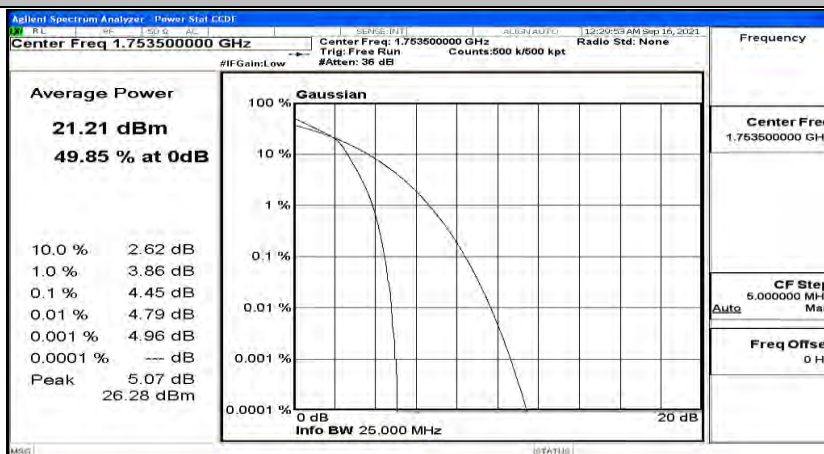
(Channel Bandwidth: 3 MHz)_LCH_16QAM



(Channel Bandwidth: 3 MHz)_MCH_16QAM



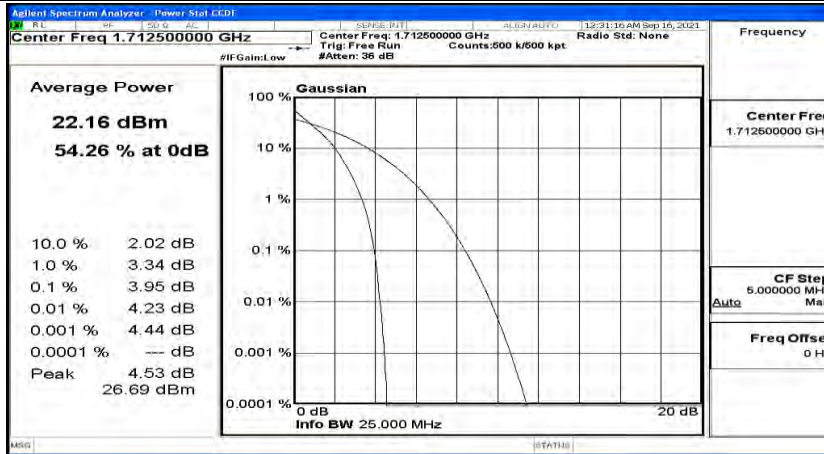
(Channel Bandwidth: 3 MHz)_HCH_16QAM



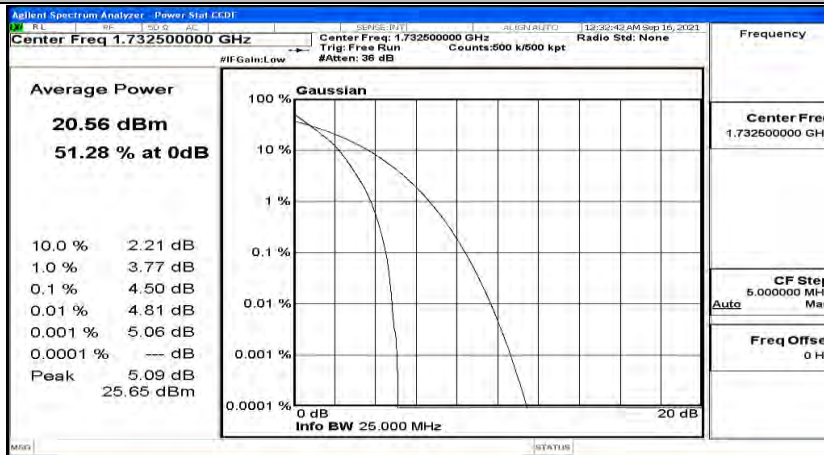


Channel Bandwidth: 5 MHz

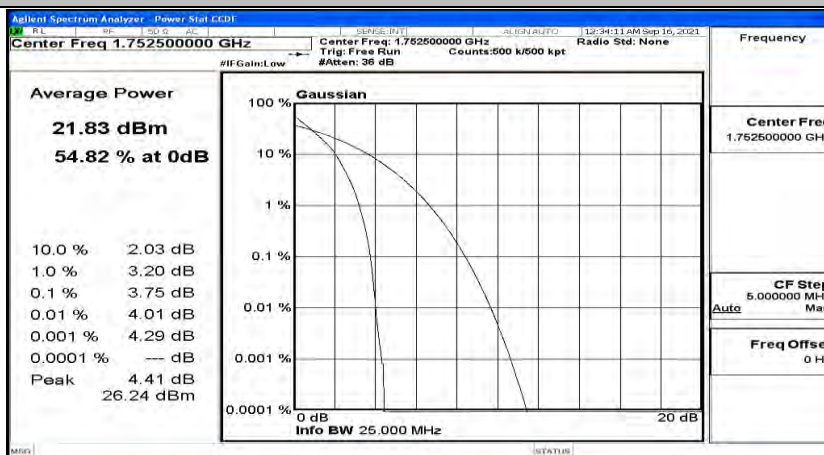
(Channel Bandwidth: 5 MHz)_LCH_QPSK



(Channel Bandwidth: 5 MHz)_MCH_QPSK

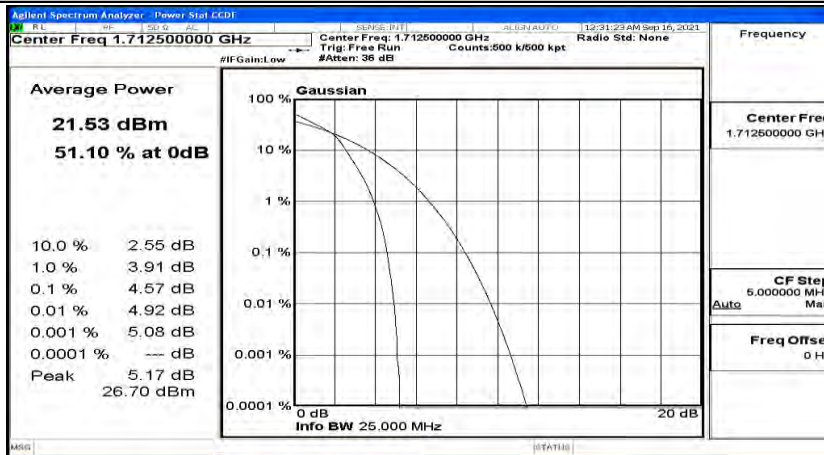


(Channel Bandwidth: 5 MHz)_HCH_QPSK

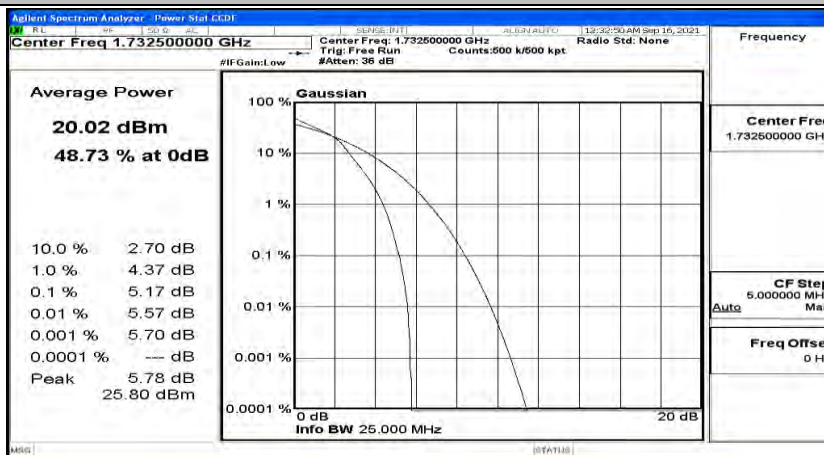




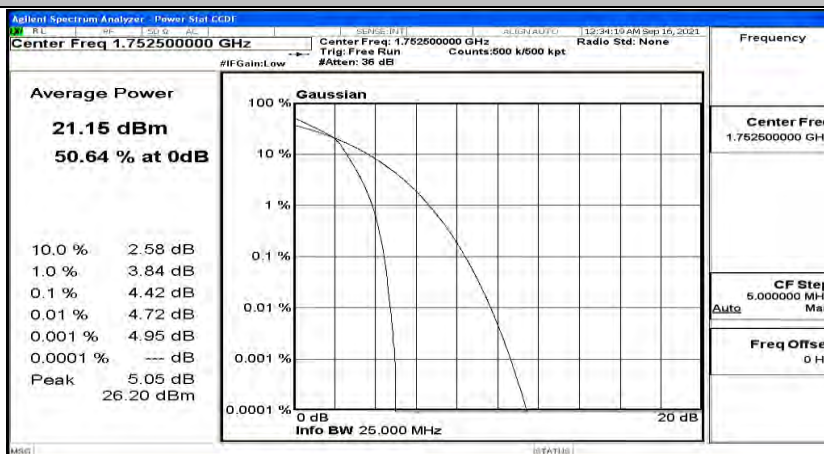
(Channel Bandwidth: 5 MHz)_LCH_16QAM



(Channel Bandwidth: 5 MHz)_MCH_16QAM



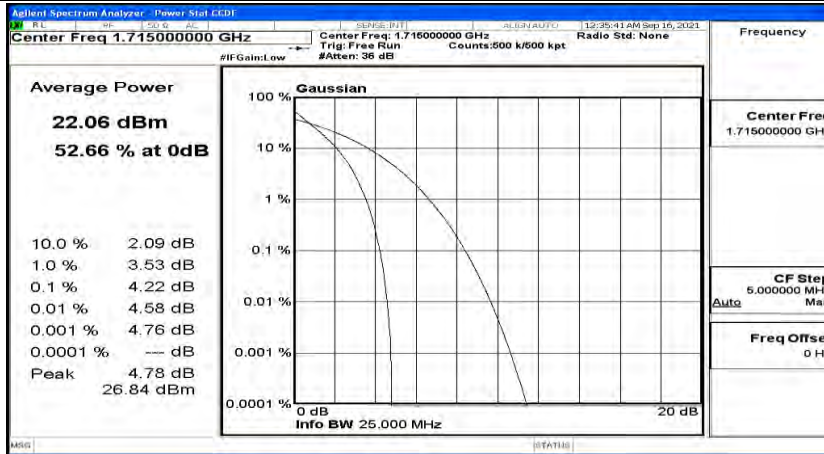
(Channel Bandwidth: 5 MHz)_HCH_16QAM



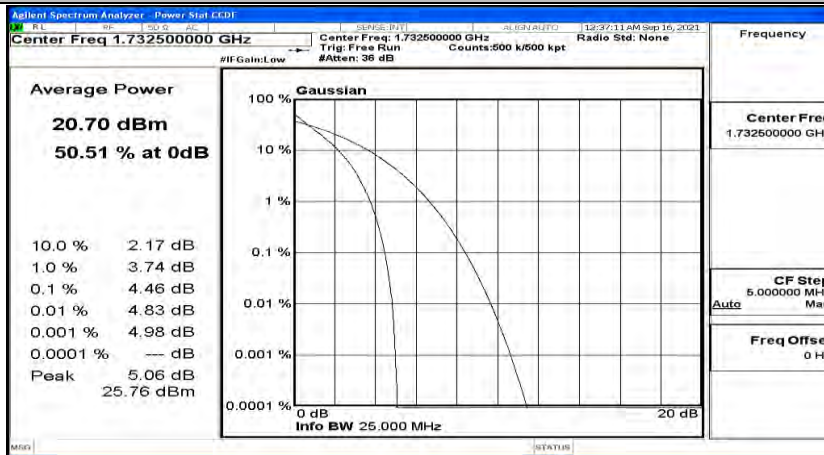


Channel Bandwidth: 10 MHz

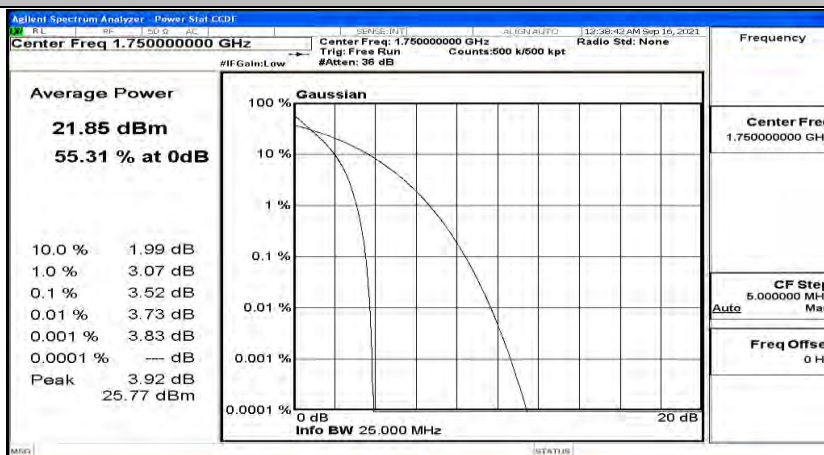
Channel Bandwidth: 10 MHz_LCH_QPSK



Channel Bandwidth: 10 MHz_MCH_QPSK

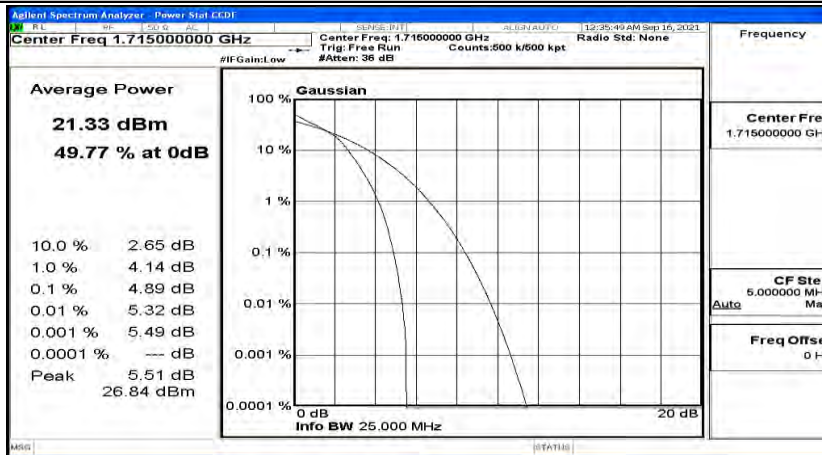


Channel Bandwidth: 10 MHz_HCH_QPSK

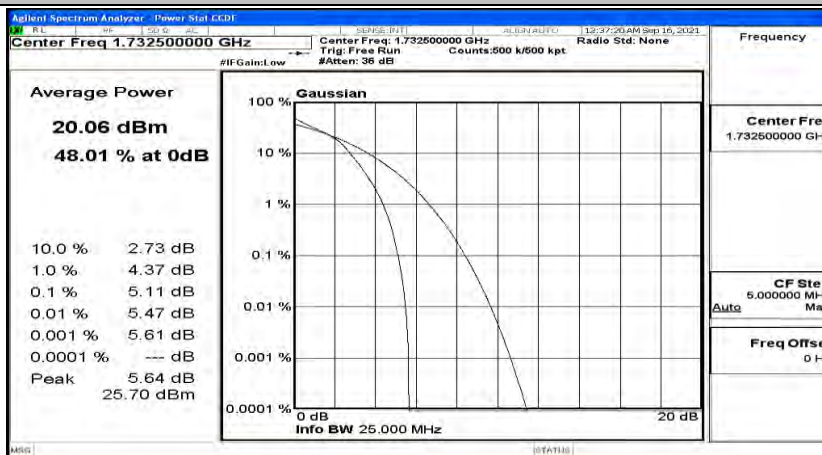




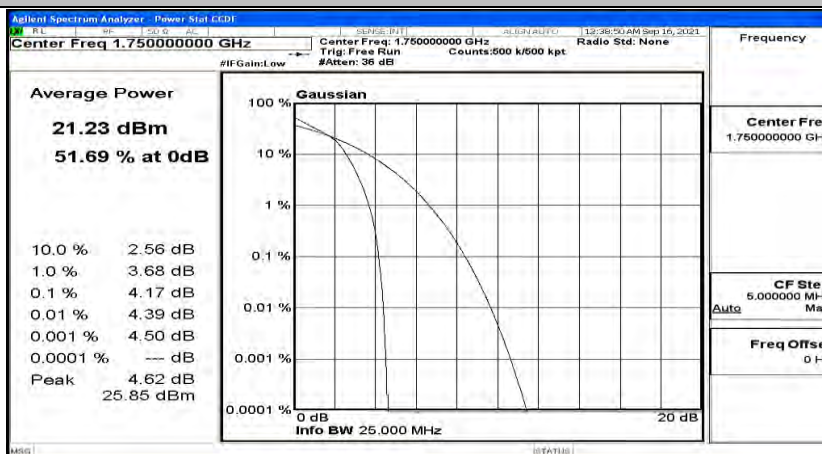
Channel Bandwidth: 10 MHz_LCH_16QAM



Channel Bandwidth: 10 MHz_MCH_16QAM



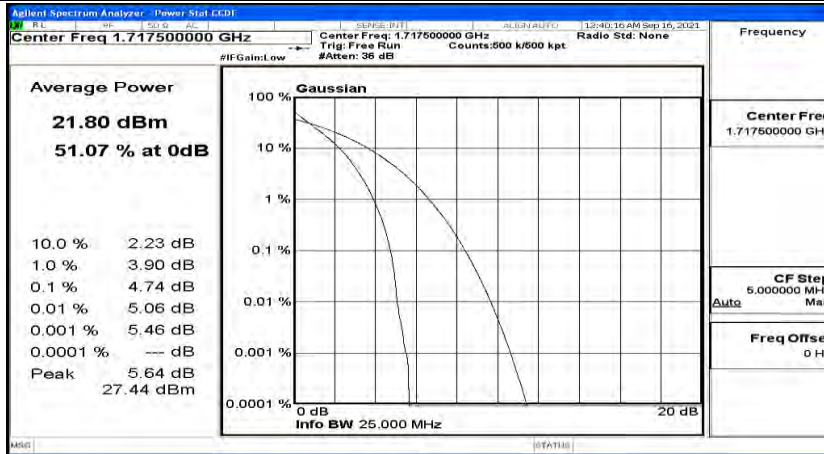
Channel Bandwidth: 10 MHz_HCH_16QAM



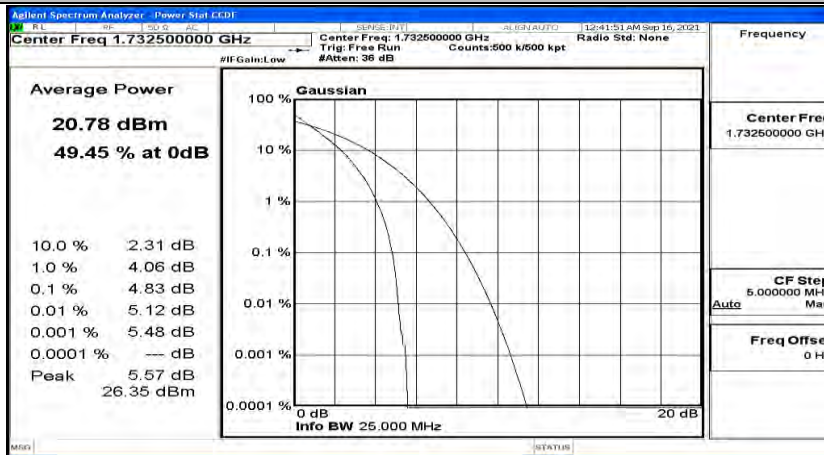


Channel Bandwidth: 15 MHz

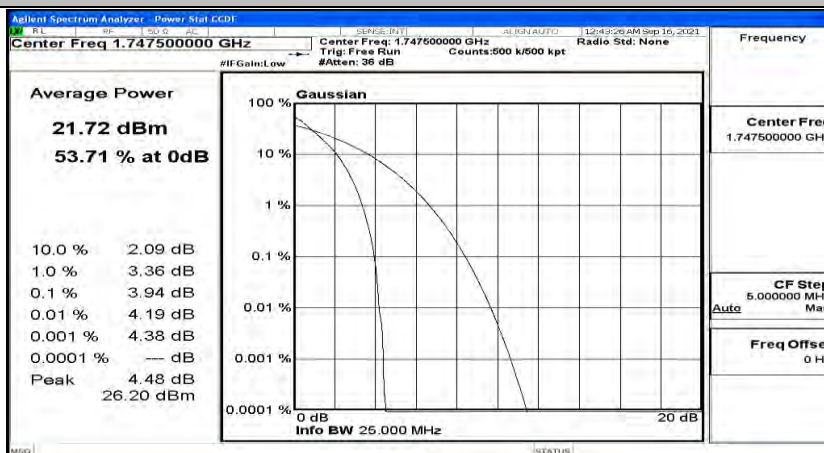
(Channel Bandwidth:15 MHz)_LCH_QPSK



(Channel Bandwidth:15 MHz)_MCH_QPSK

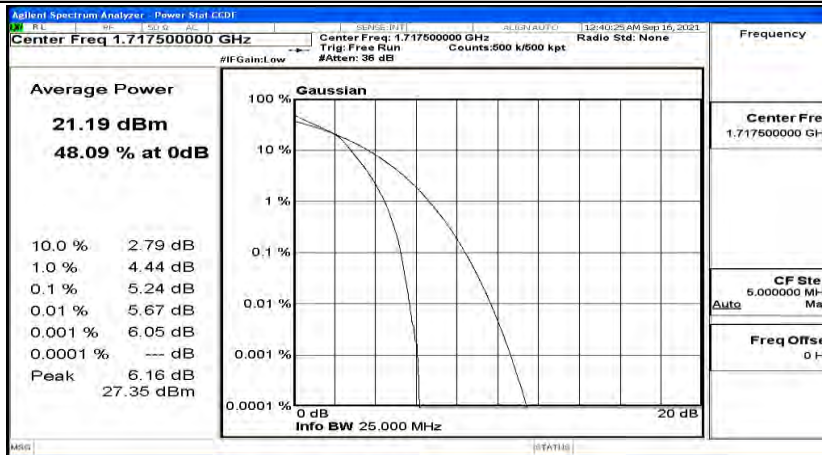


(Channel Bandwidth:15 MHz)_HCH_QPSK

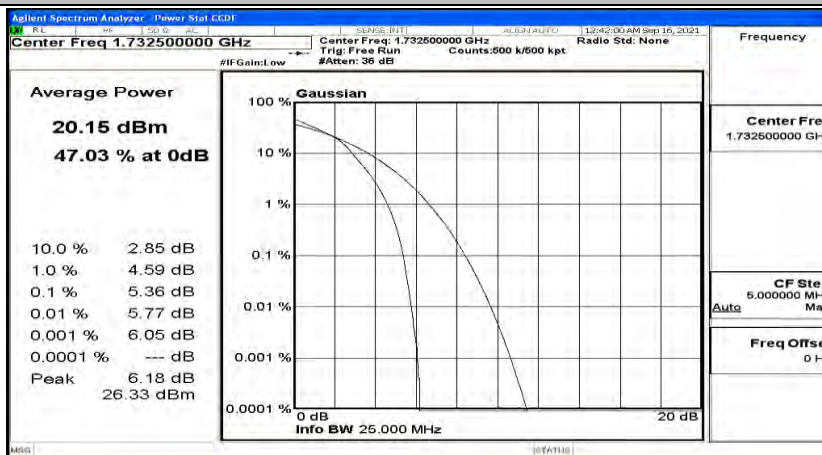




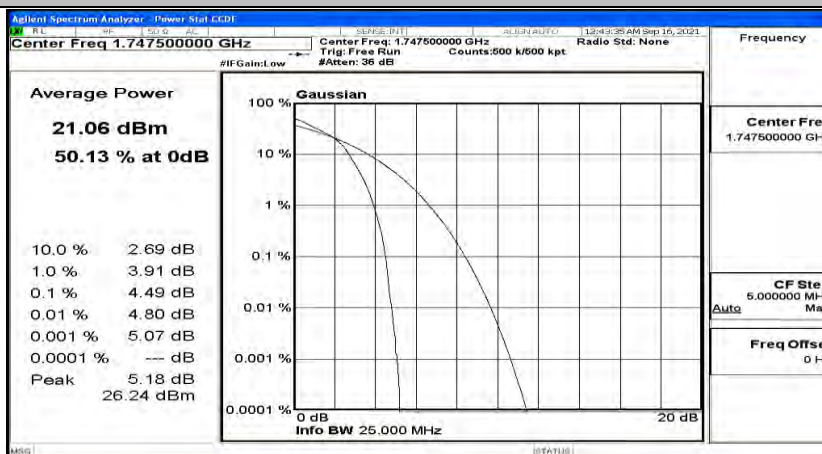
(Channel Bandwidth:15 MHz)_LCH_16QAM



(Channel Bandwidth:15 MHz)_MCH_16QAM



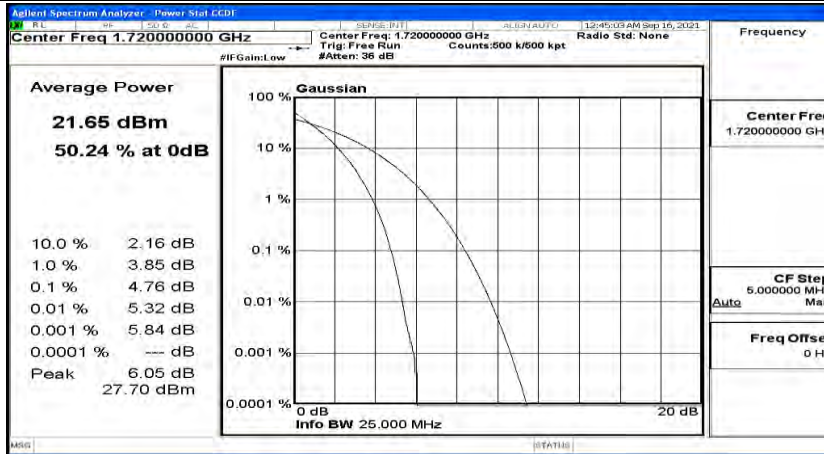
(Channel Bandwidth:15 MHz)_HCH_16QAM



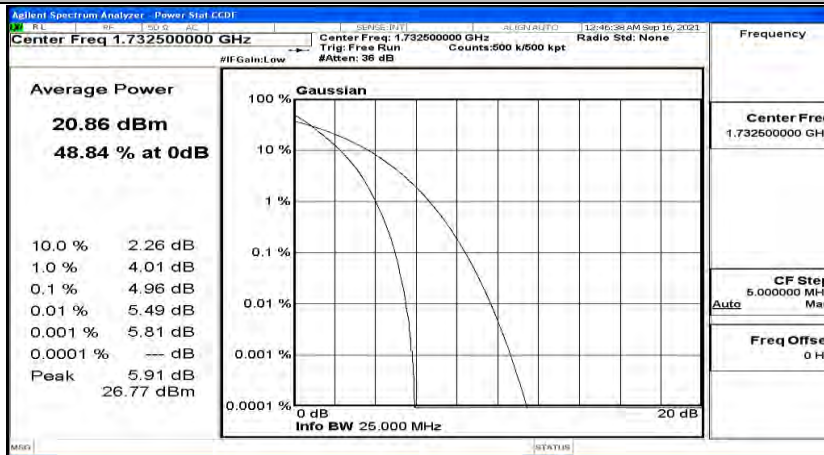


Channel Bandwidth: 20 MHz

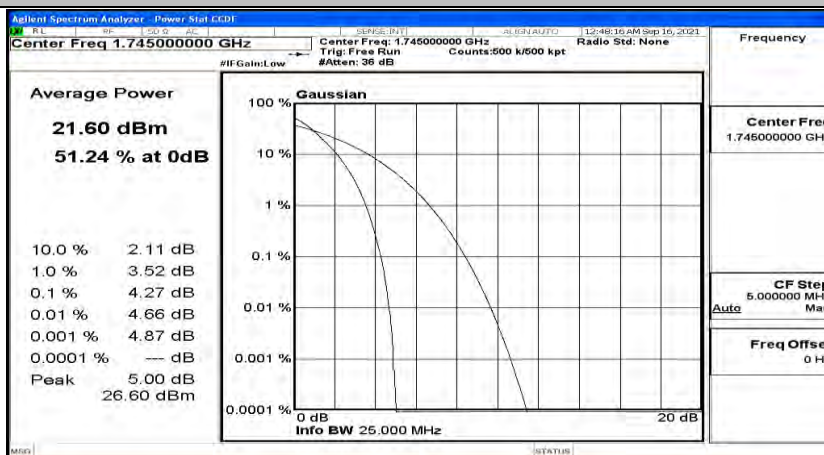
(Channel Bandwidth:20 MHz)_LCH_QPSK



(Channel Bandwidth:20 MHz)_MCH_QPSK

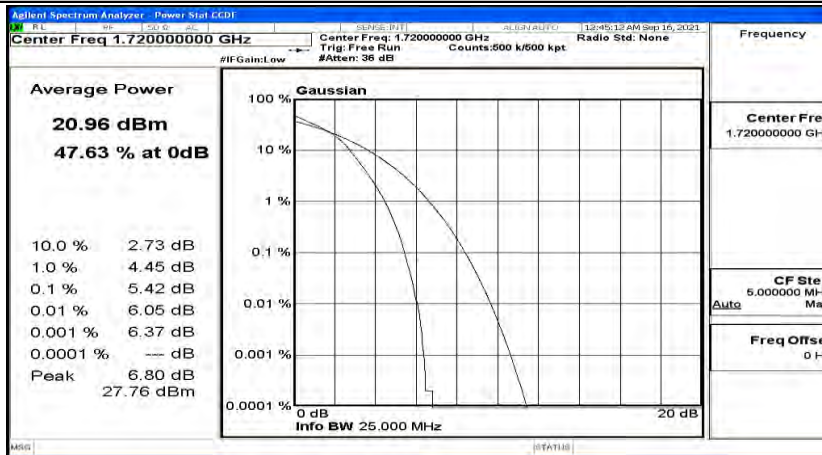


(Channel Bandwidth:20 MHz)_HCH_QPSK

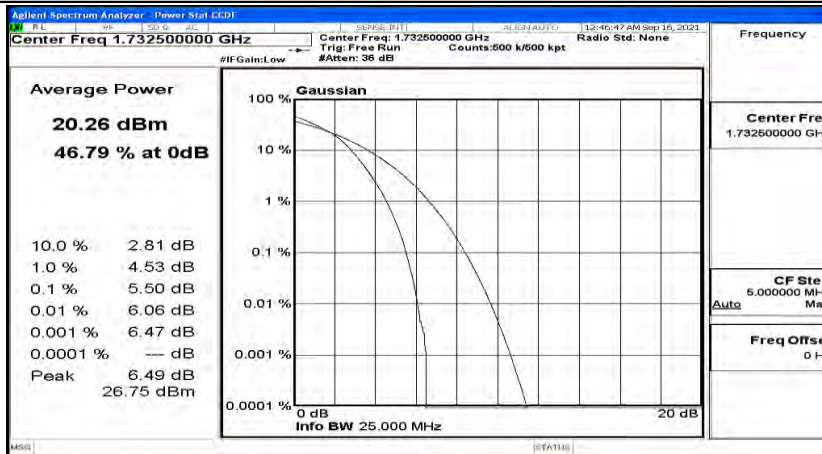




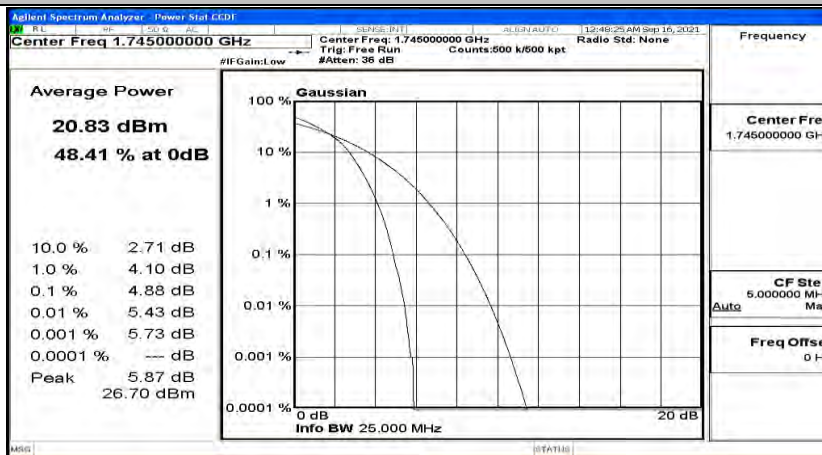
(Channel Bandwidth:20 MHz)_LCH_16QAM



(Channel Bandwidth:20 MHz)_MCH_16QAM



(Channel Bandwidth:20 MHz)_HCH_16QAM





B.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Channel Bandwidth: 1.4 MHz

EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	1.0814	1.268	PASS
	MCH	1.0790	1.235	PASS
	HCH	1.0812	1.240	PASS
16QAM	LCH	1.0819	1.253	PASS
	MCH	1.0776	1.254	PASS
	HCH	1.0805	1.243	PASS

EBW & OBW Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	2.6851	2.979	PASS
	MCH	2.6918	3.006	PASS
	HCH	2.6975	3.036	PASS
16QAM	LCH	2.6870	3.022	PASS
	MCH	2.6859	2.973	PASS
	HCH	2.6877	3.365	PASS

EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4773	5.084	PASS
	MCH	4.4699	4.903	PASS
	HCH	4.4765	4.833	PASS
16QAM	LCH	4.4752	4.875	PASS
	MCH	4.4683	4.869	PASS
	HCH	4.4778	4.850	PASS



EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9505	9.616	PASS
	MCH	8.9536	9.503	PASS
	HCH	8.9428	9.594	PASS
16QAM	LCH	8.9447	9.607	PASS
	MCH	8.9400	9.540	PASS
	HCH	8.9592	10.42	PASS

EBW & OBW Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	13.387	14.25	PASS
	MCH	13.427	14.30	PASS
	HCH	13.435	19.73	PASS
16QAM	LCH	13.386	14.15	PASS
	MCH	13.420	14.26	PASS
	HCH	13.428	17.88	PASS

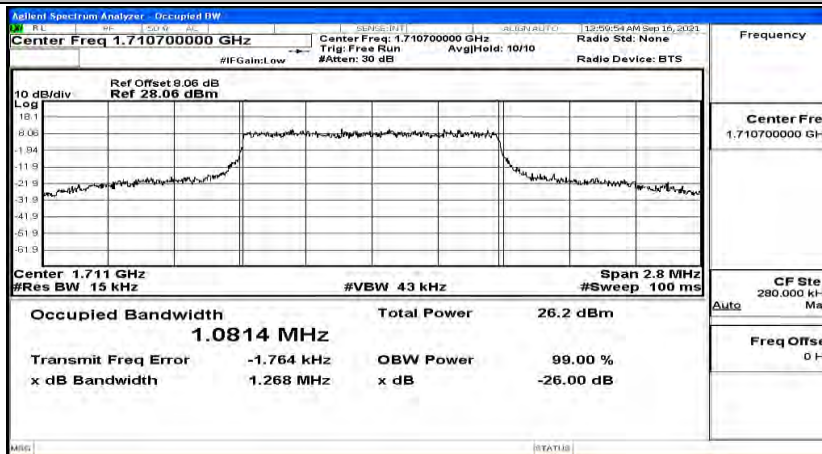
EBW & OBW Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	17.844	18.66	PASS
	MCH	17.915	18.88	PASS
	HCH	17.872	21.49	PASS
16QAM	LCH	17.834	18.66	PASS
	MCH	17.943	18.91	PASS
	HCH	17.892	19.18	PASS



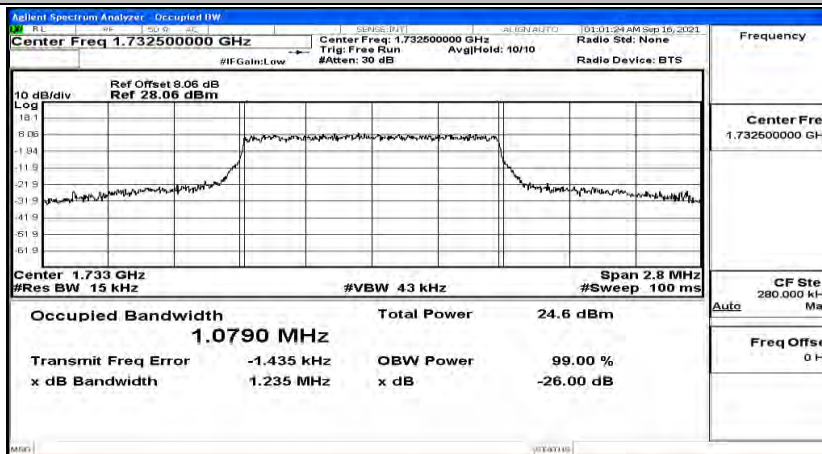
Test Graphs

Channel Bandwidth: 1.4 MHz

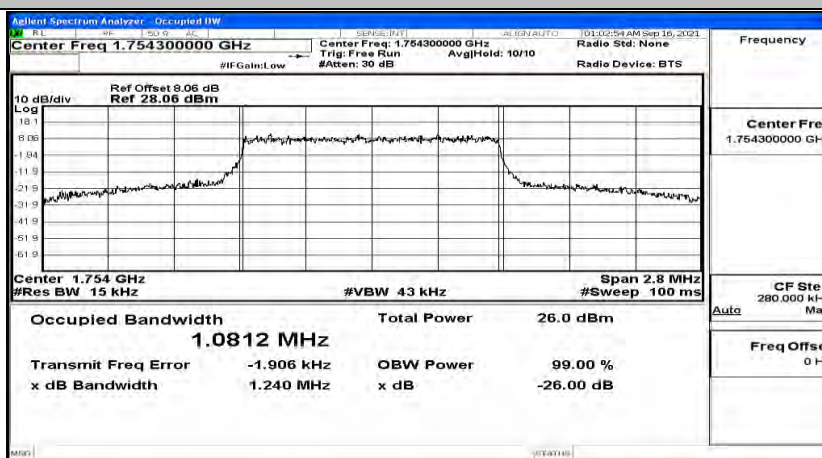
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK



(Channel Bandwidth: 1.4 MHz)_MCH_QPSK

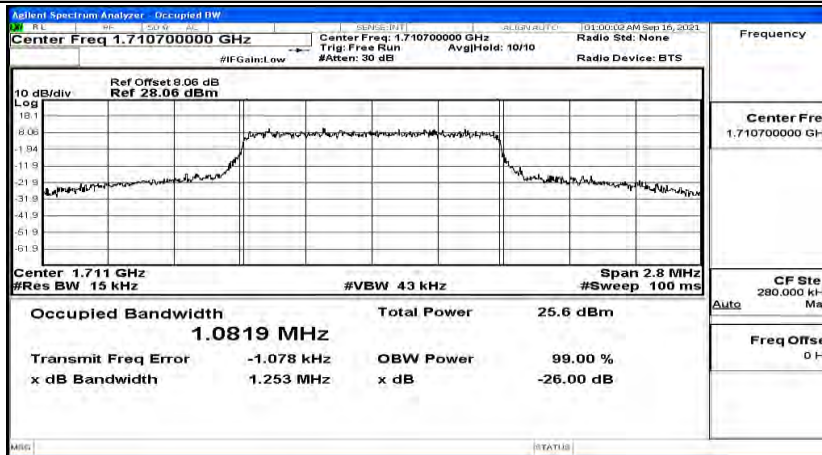


(Channel Bandwidth: 1.4 MHz)_HCH_QPSK

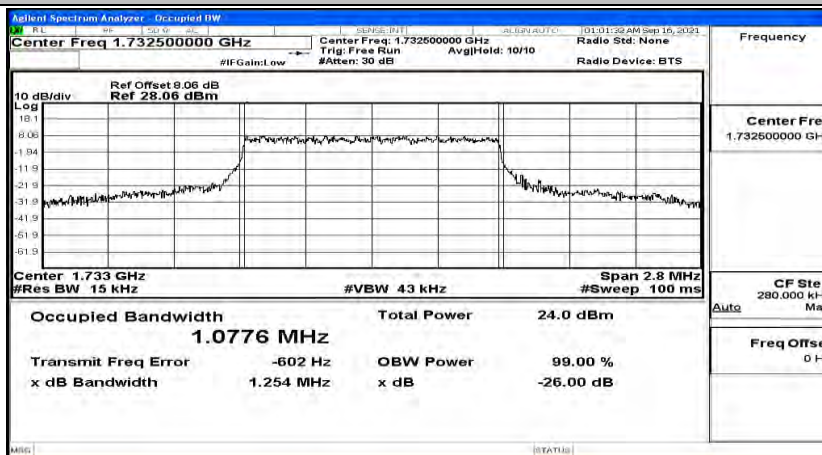




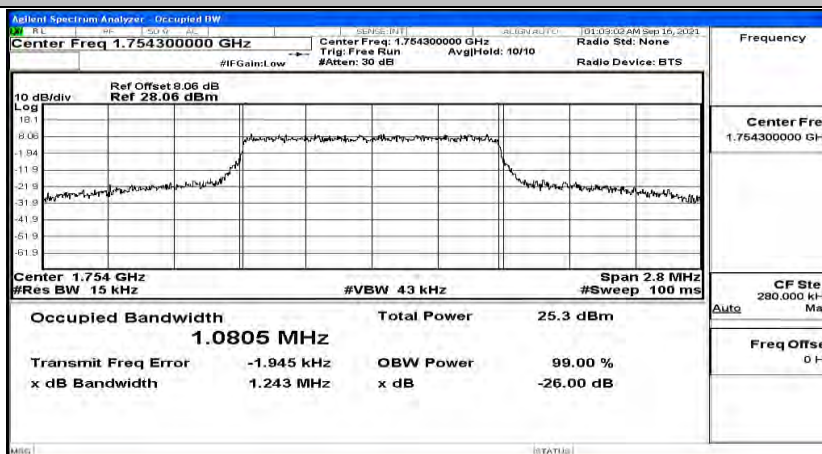
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM



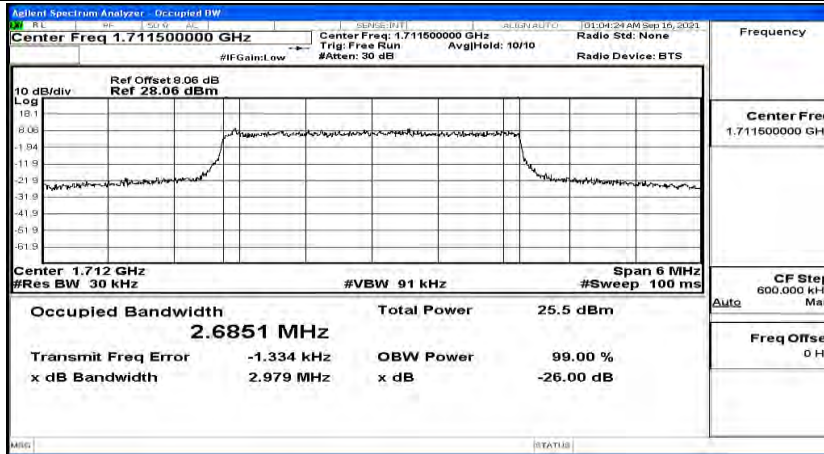
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM



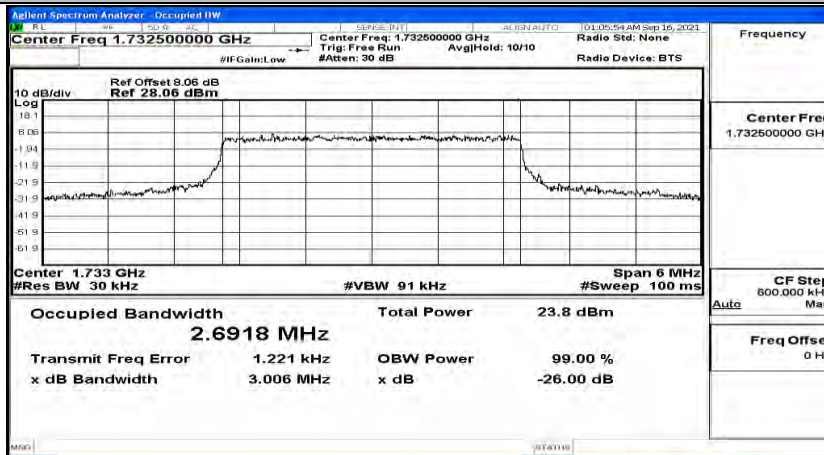


Channel Bandwidth: 3 MHz

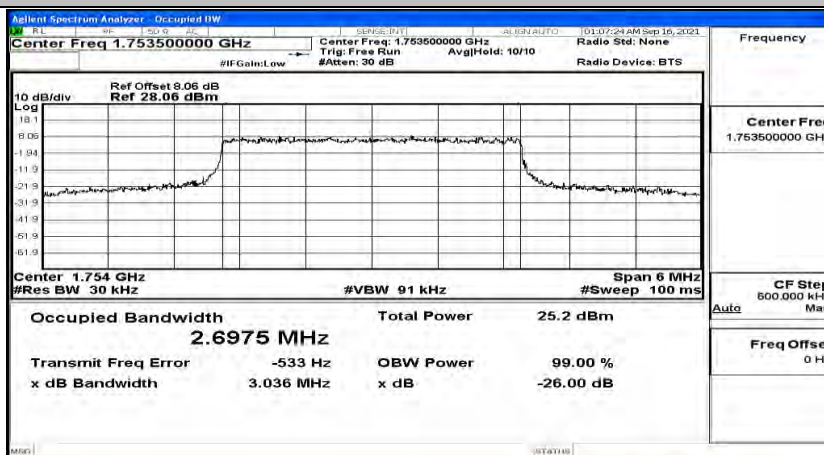
(Channel Bandwidth: 3 MHz)_LCH_QPSK



(Channel Bandwidth: 3 MHz)_MCH_QPSK

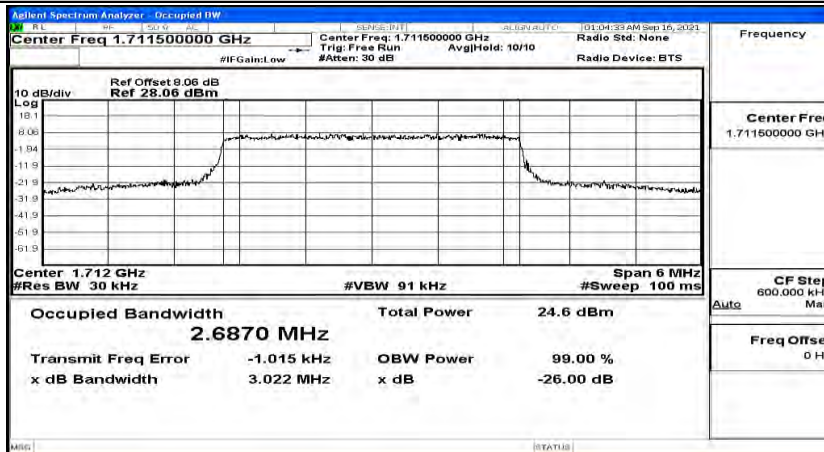


(Channel Bandwidth: 3 MHz)_HCH_QPSK

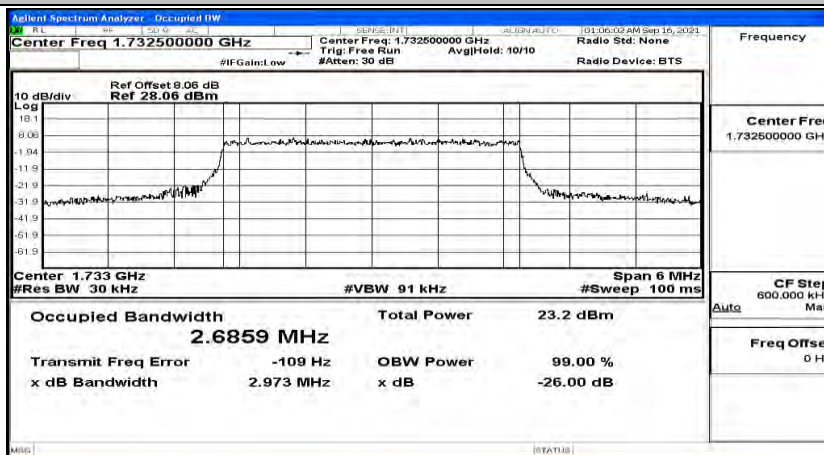




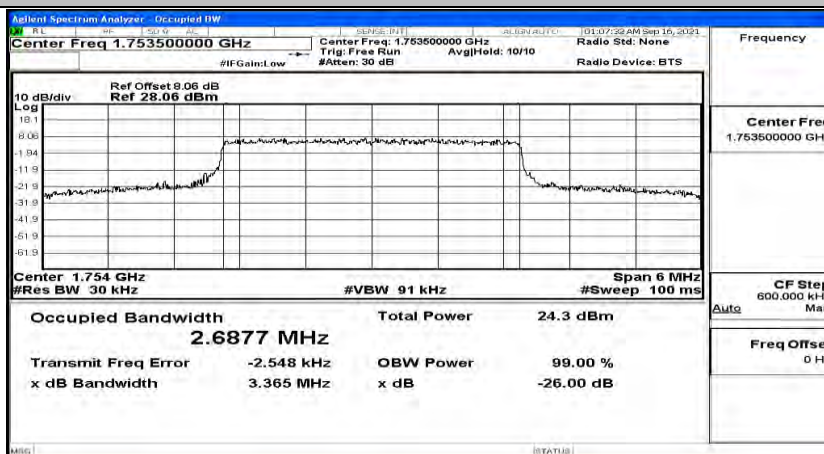
(Channel Bandwidth: 3 MHz)_LCH_16QAM



(Channel Bandwidth: 3 MHz)_MCH_16QAM



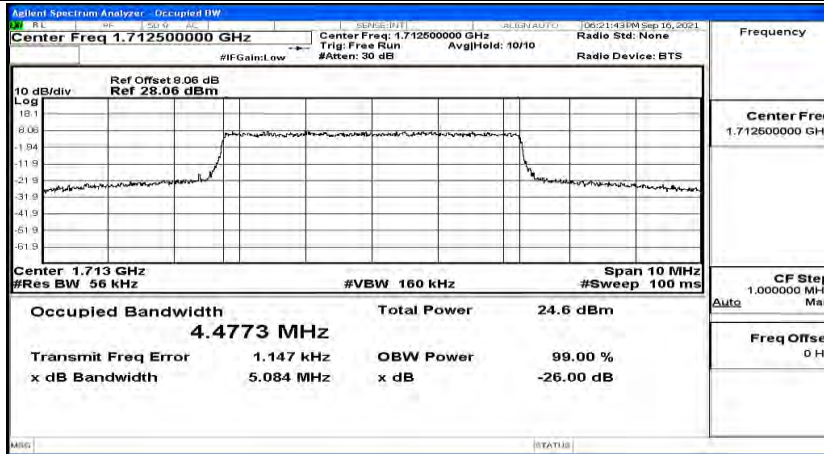
(Channel Bandwidth: 3 MHz)_HCH_16QAM



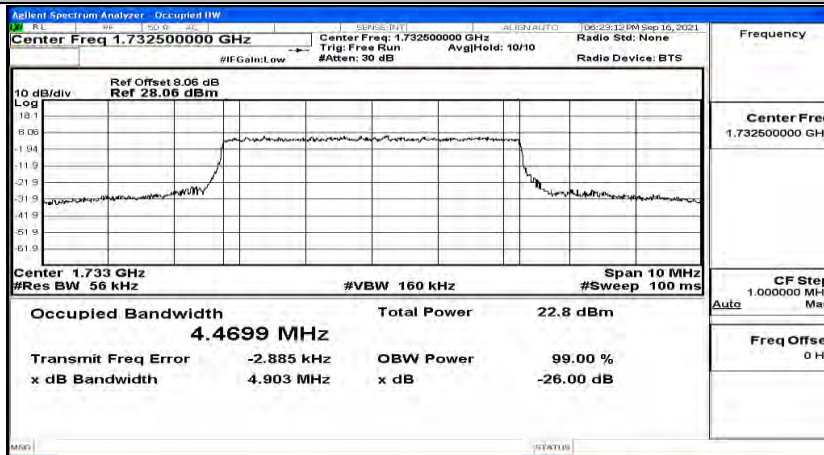


Channel Bandwidth: 5 MHz

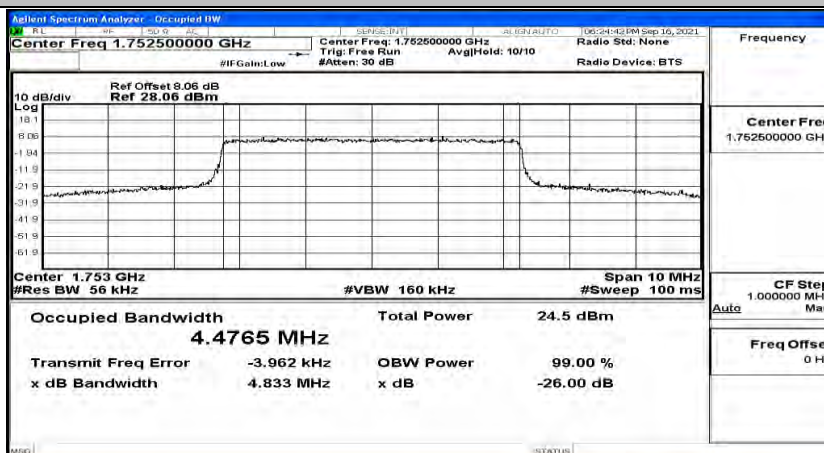
(Channel Bandwidth: 5 MHz)_LCH_QPSK



(Channel Bandwidth: 5 MHz)_MCH_QPSK

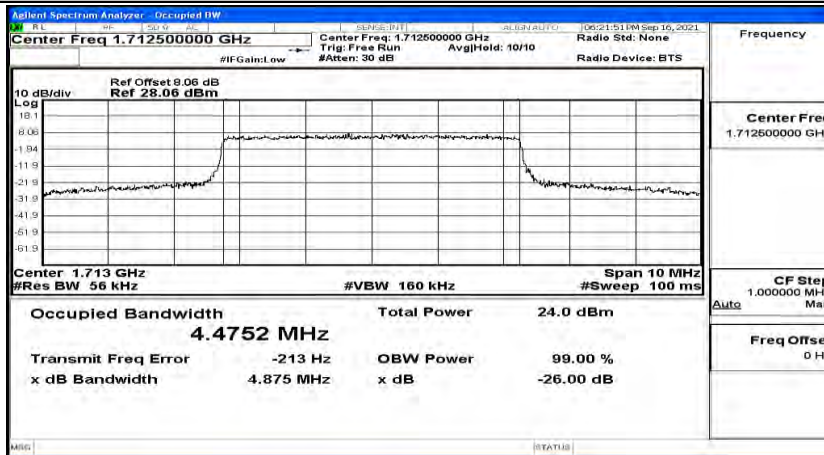


(Channel Bandwidth: 5 MHz)_HCH_QPSK

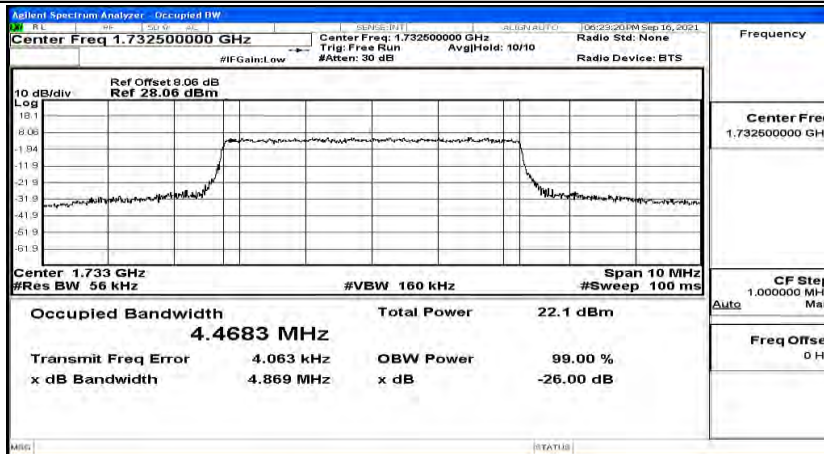




(Channel Bandwidth: 5 MHz)_LCH_16QAM

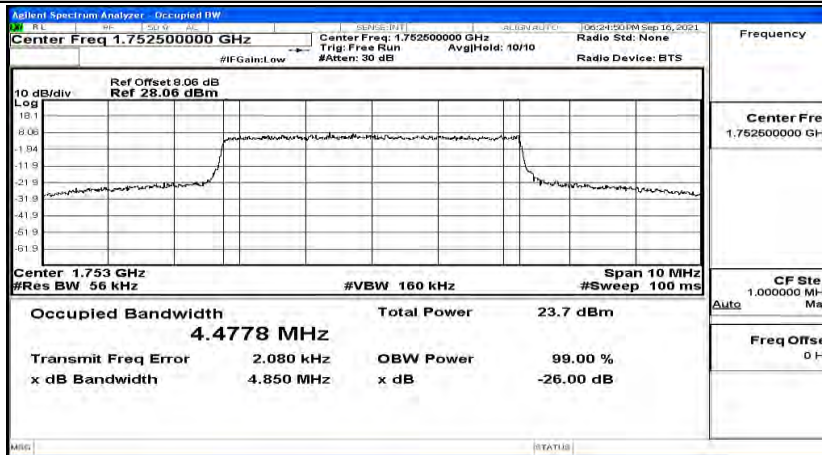


(Channel Bandwidth: 5 MHz)_MCH_16QAM



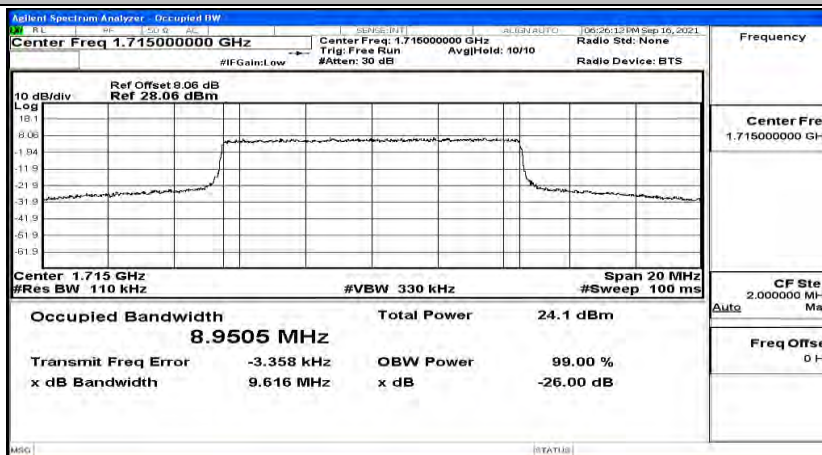


(Channel Bandwidth: 5 MHz)_HCH_16QAM

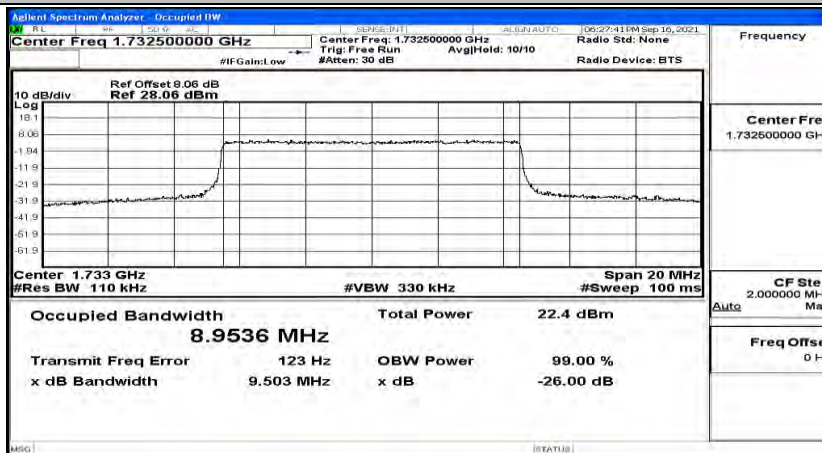


Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz_LCH_QPSK

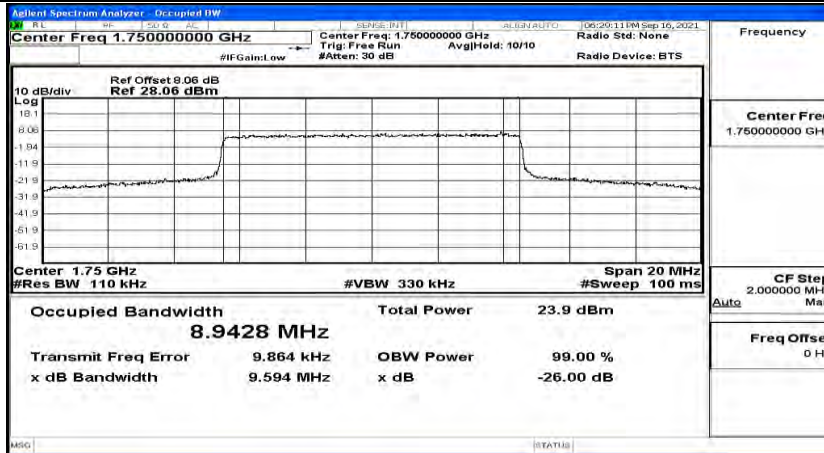


Channel Bandwidth: 10 MHz_MCH_QPSK

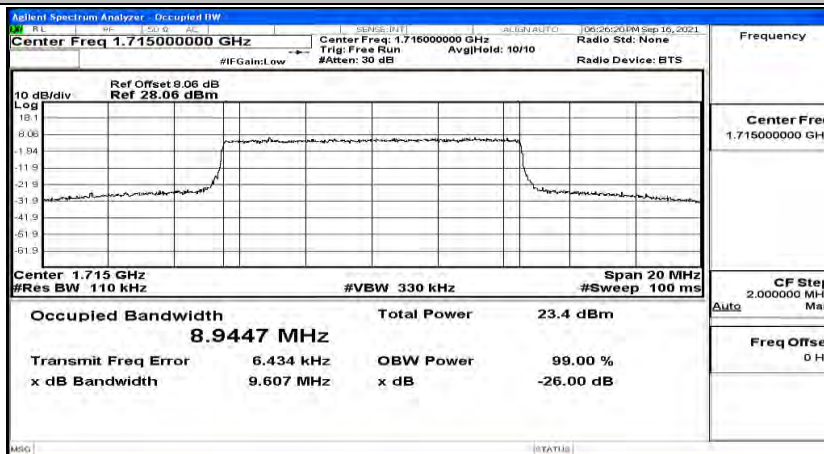




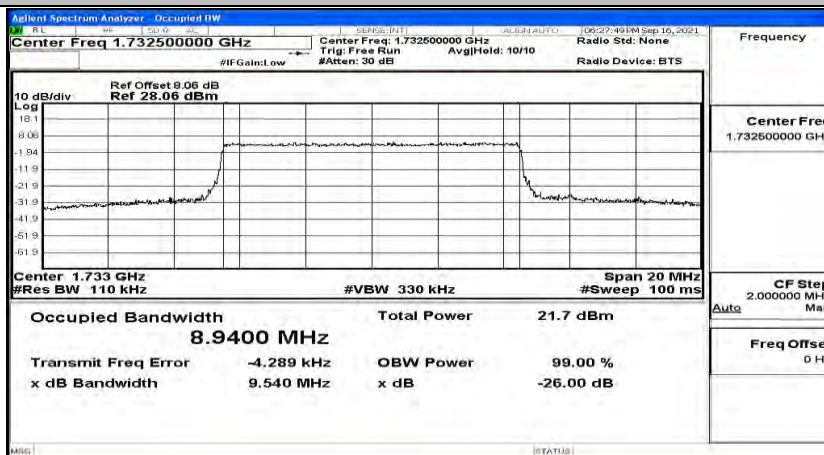
Channel Bandwidth: 10 MHz_HCH_QPSK



Channel Bandwidth: 10 MHz_LCH_16QAM

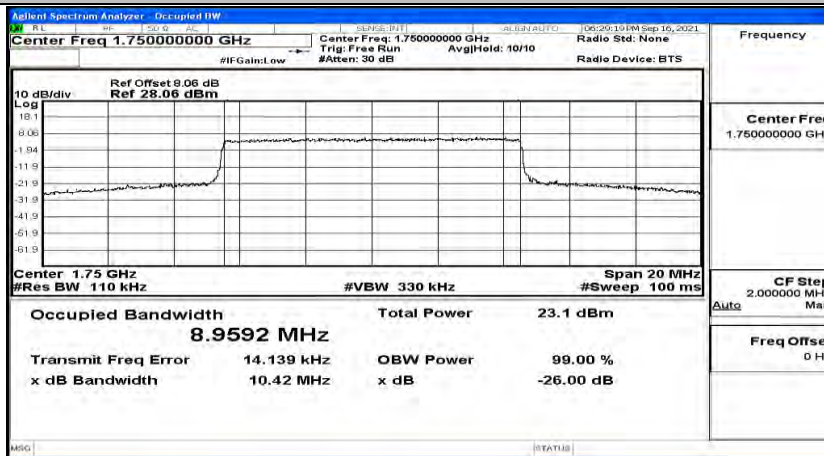


Channel Bandwidth: 10 MHz_MCH_16QAM



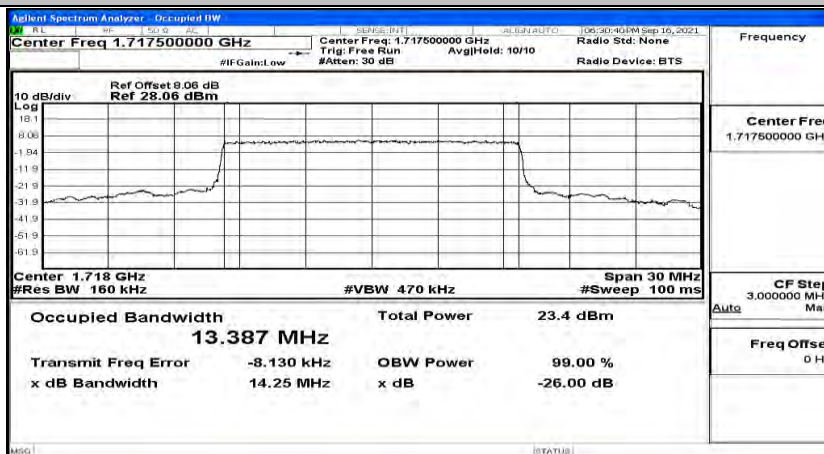


Channel Bandwidth: 10 MHz_HCH_16QAM

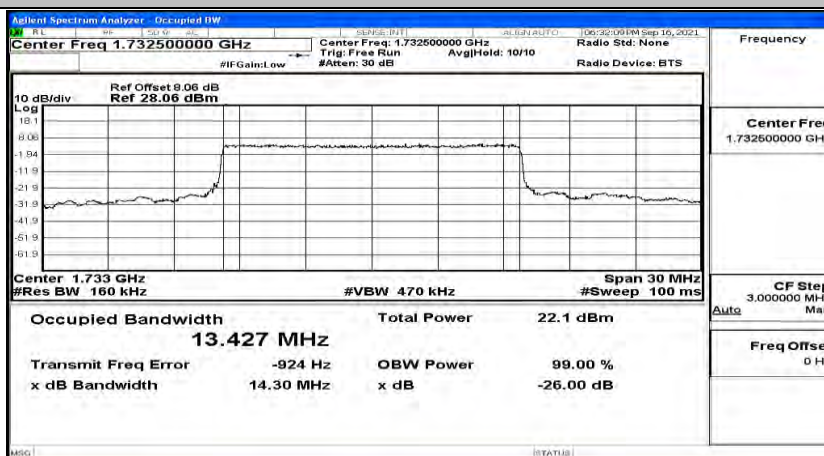


Channel Bandwidth: 15 MHz

(Channel Bandwidth:15 MHz)_LCH_QPSK

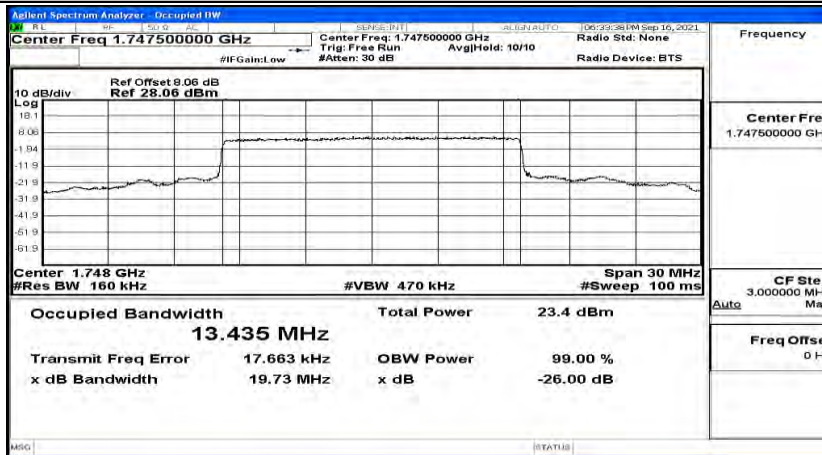


(Channel Bandwidth:15 MHz)_MCH_QPSK

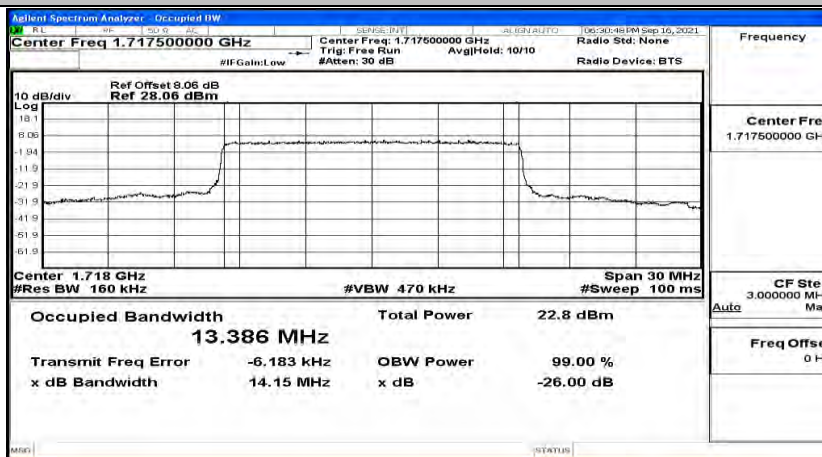




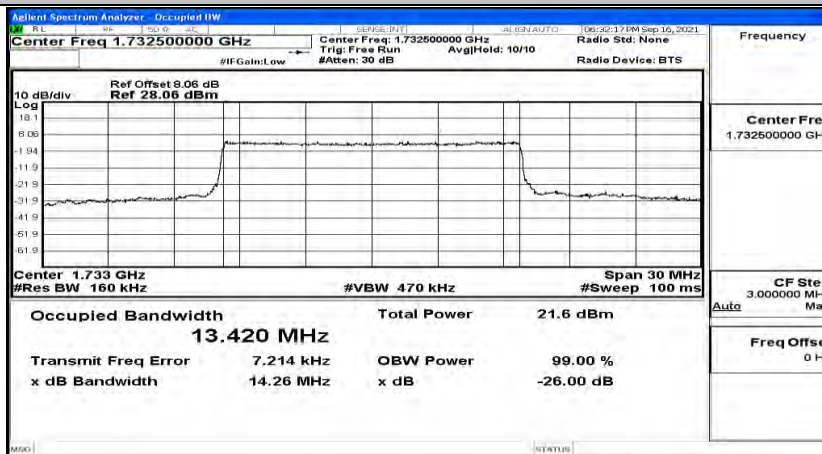
(Channel Bandwidth:15 MHz)_HCH_QPSK



(Channel Bandwidth:15 MHz)_LCH_16QAM

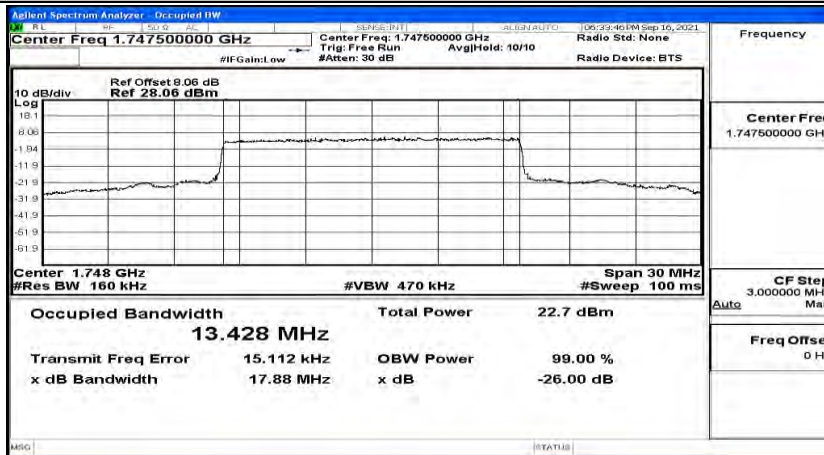


(Channel Bandwidth:15 MHz)_MCH_16QAM





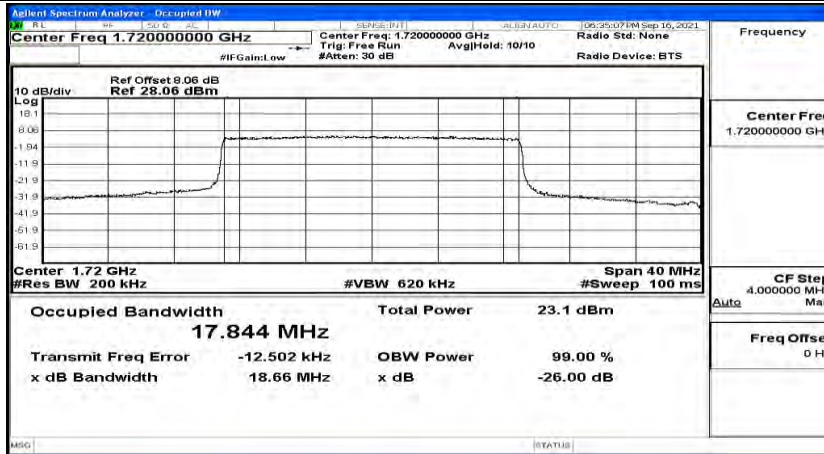
(Channel Bandwidth:15 MHz)_HCH_16QAM



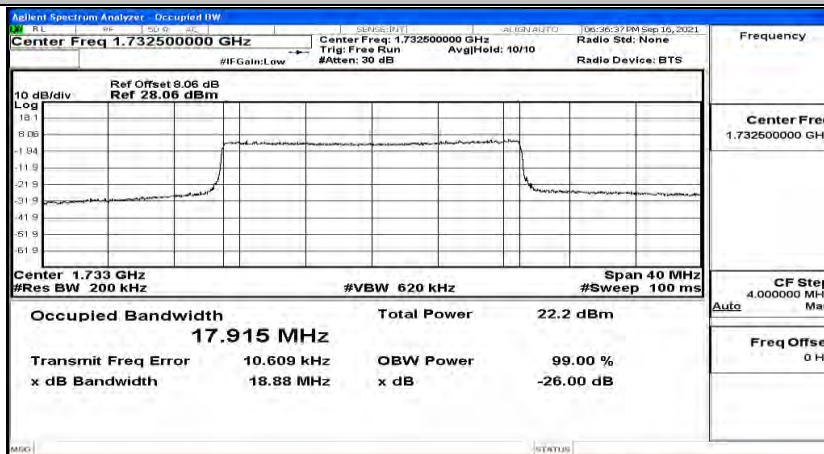


Channel Bandwidth: 20 MHz

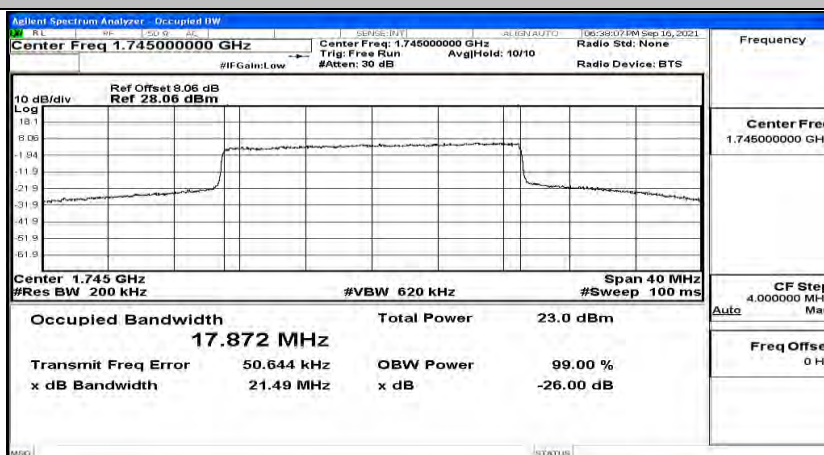
(Channel Bandwidth:20 MHz)_LCH_QPSK



(Channel Bandwidth:20 MHz)_MCH_QPSK

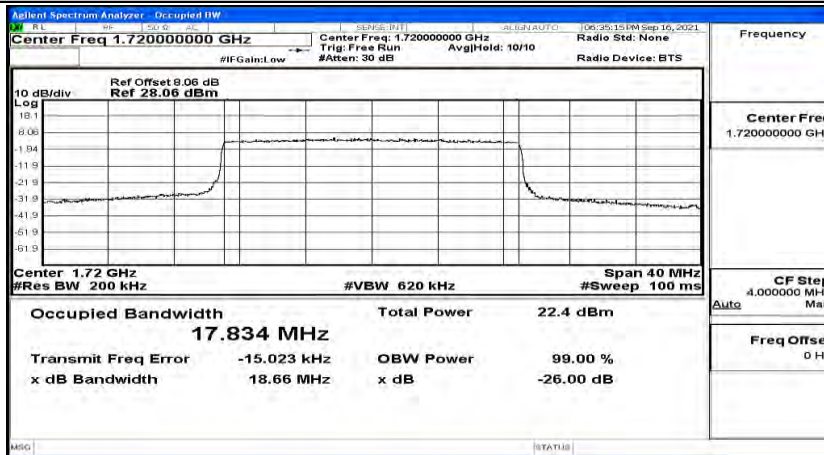


(Channel Bandwidth:20 MHz)_HCH_QPSK

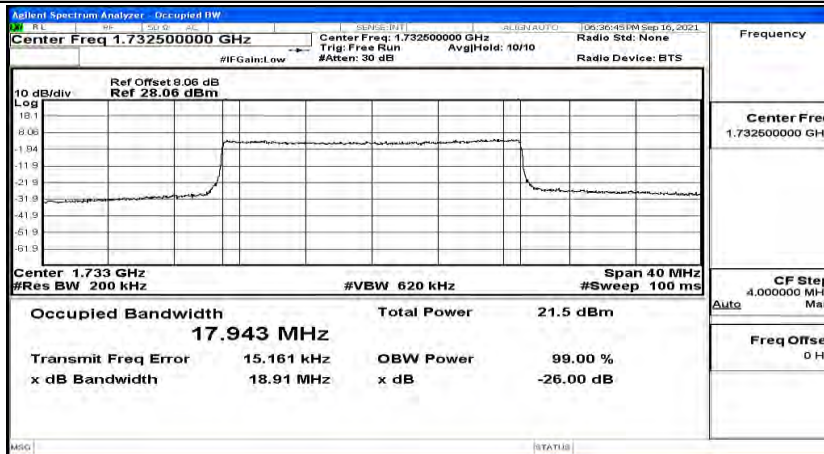




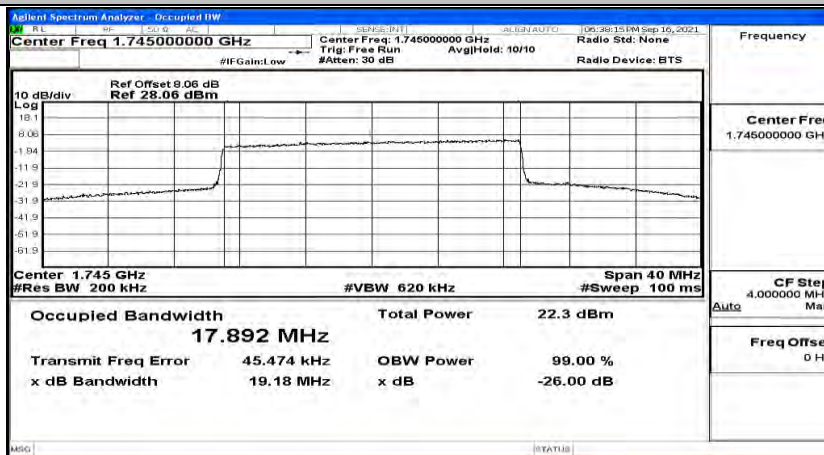
(Channel Bandwidth:20 MHz)_LCH_16QAM



(Channel Bandwidth:20 MHz)_MCH_16QAM



(Channel Bandwidth:20 MHz)_HCH_16QAM



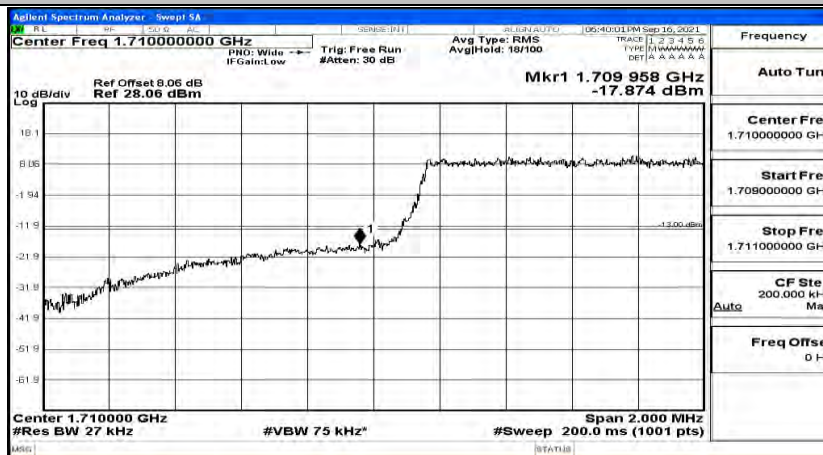


B.4 Band Edge

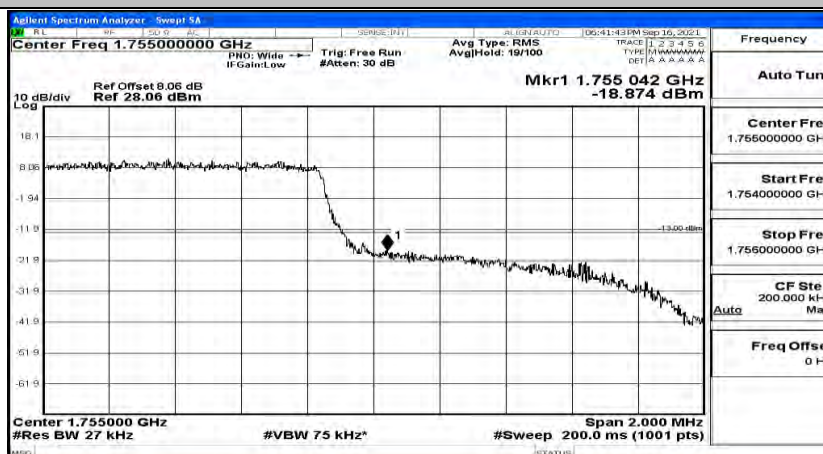
Test Graphs

Channel Bandwidth: 1.4 MHz

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK

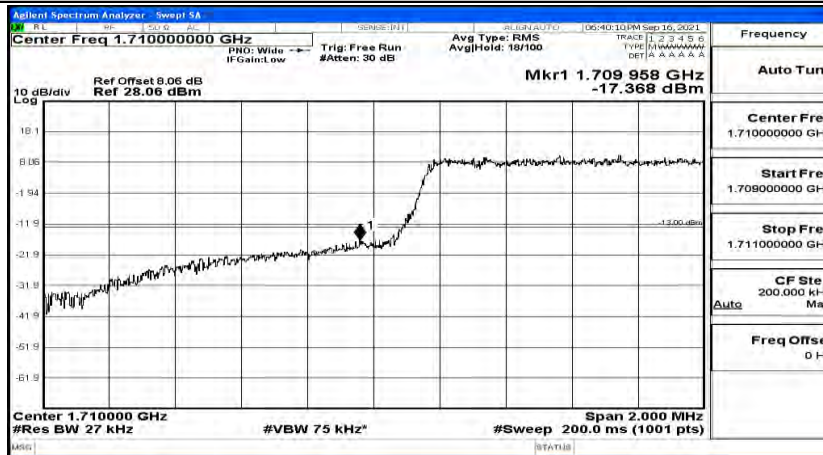


(Channel Bandwidth: 1.4 MHz)_HCH_QPSK





(Channel Bandwidth: 1.4 MHz)_LCH_16QAM



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM



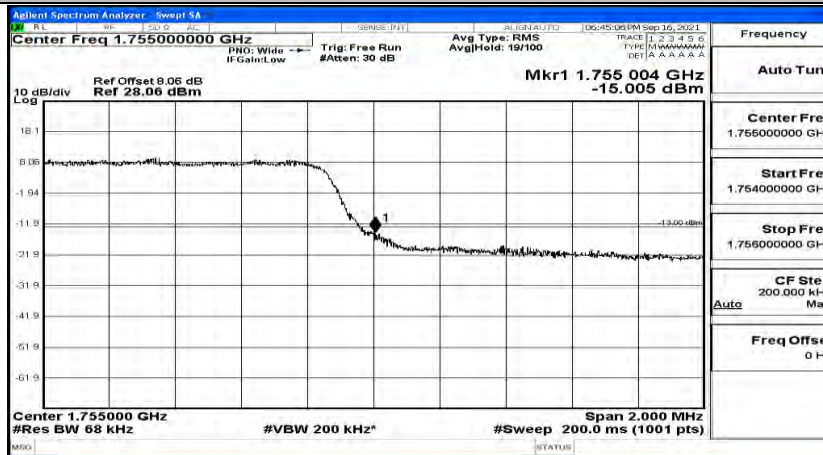


Channel Bandwidth: 3 MHz

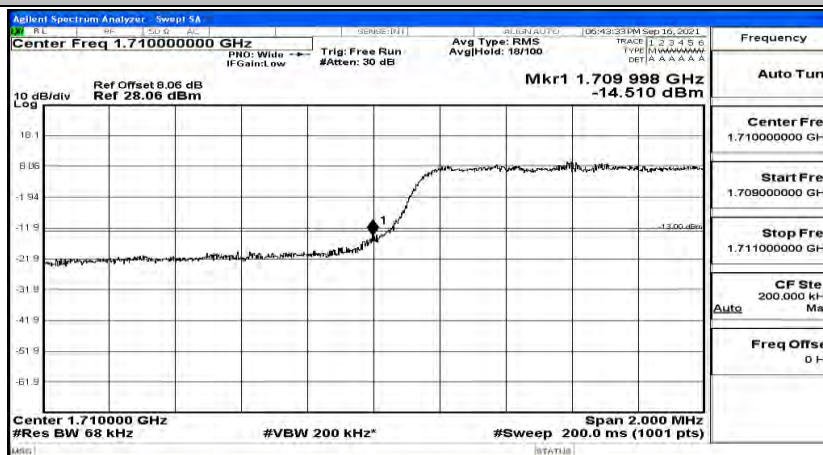
(Channel Bandwidth: 3 MHz)_LCH_QPSK



(Channel Bandwidth: 3 MHz)_HCH_QPSK_

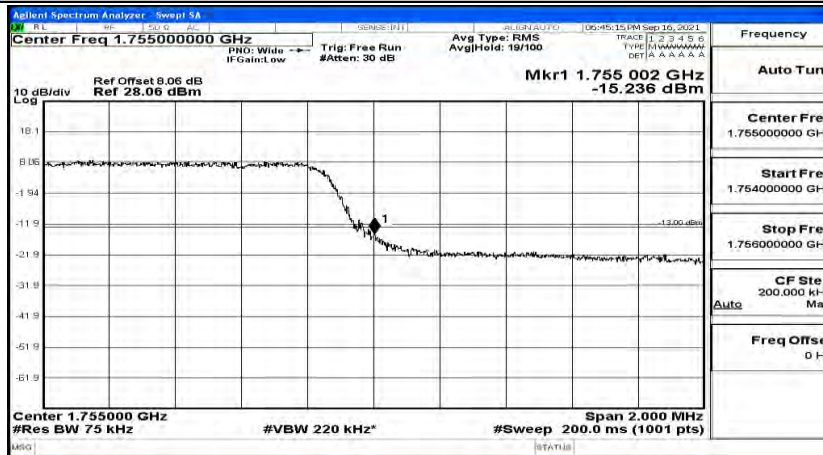


(Channel Bandwidth: 3 MHz)_LCH_16QAM



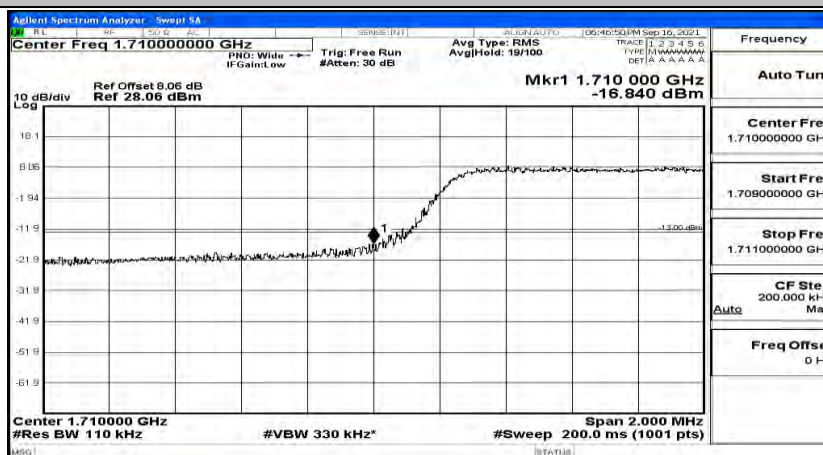


(Channel Bandwidth: 3 MHz)_HCH_16QAM

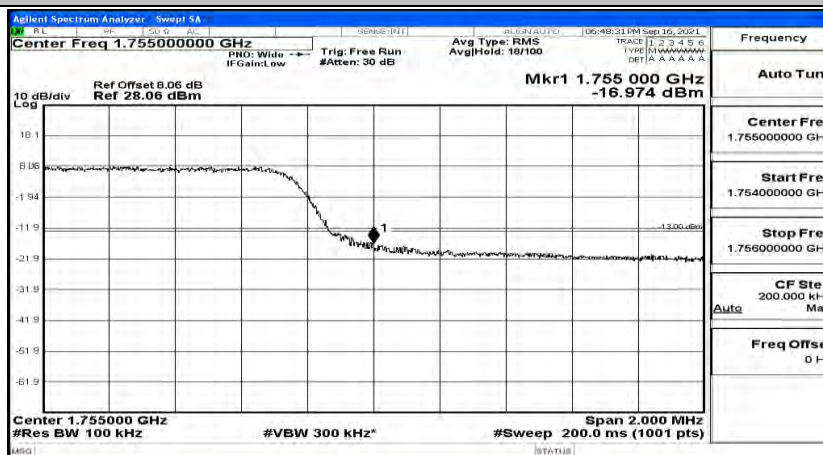


Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK

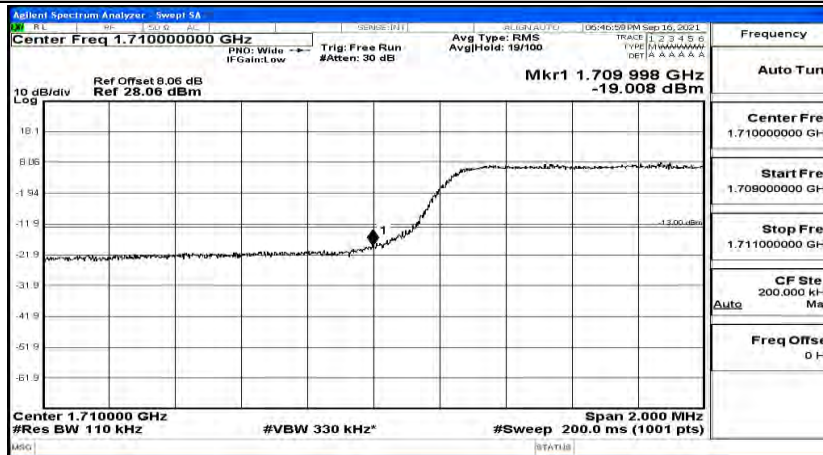


(Channel Bandwidth: 5 MHz)_HCH_QPSK

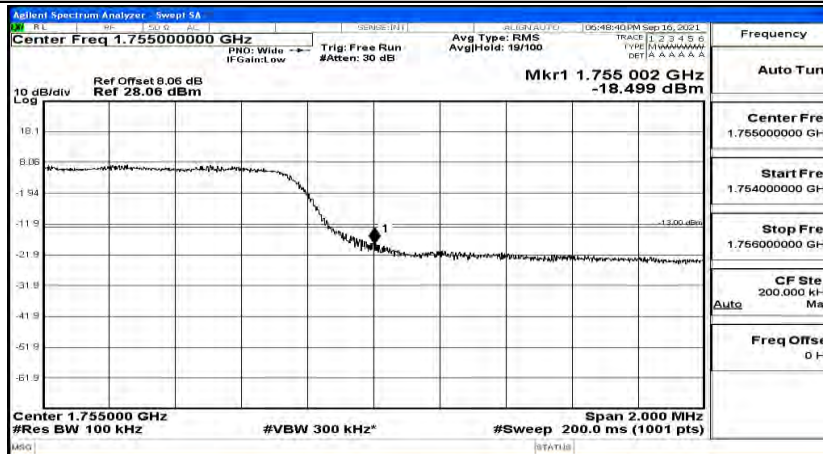




(Channel Bandwidth: 5 MHz)_LCH_16QAM

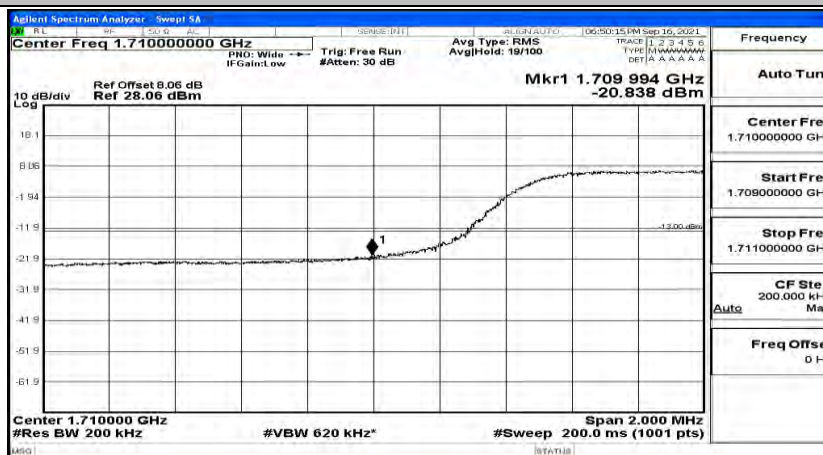


(Channel Bandwidth: 5 MHz)_HCH_16QAM

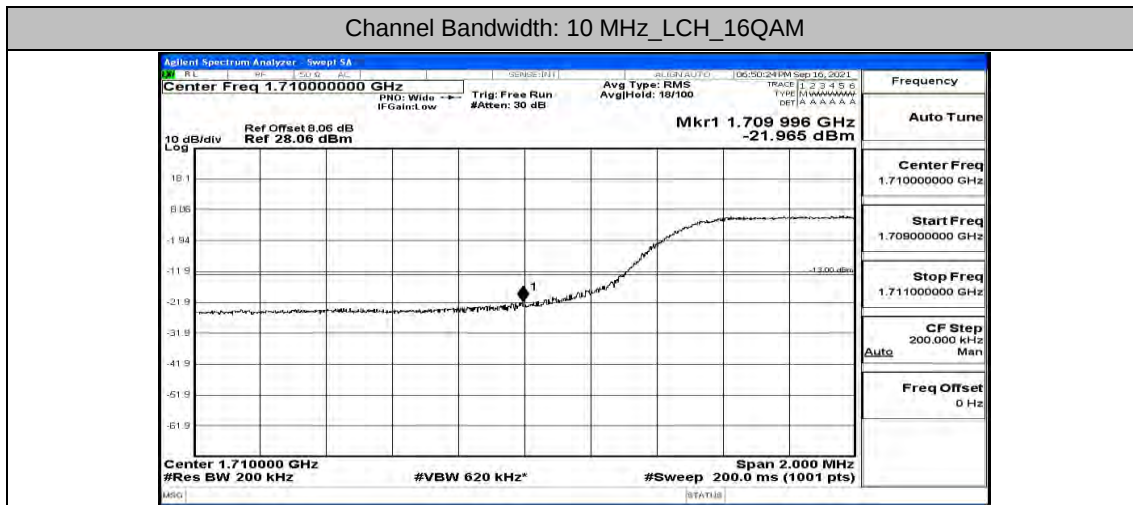
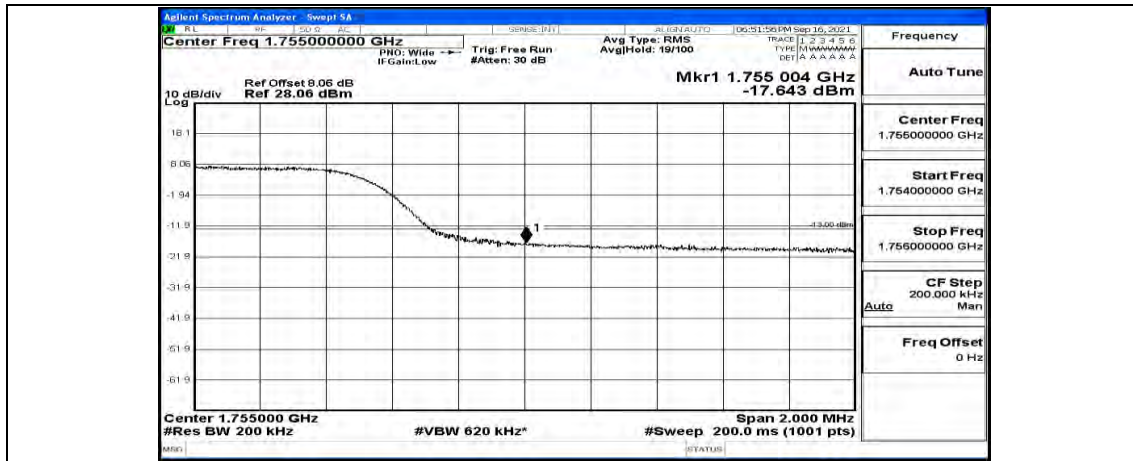


Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz_LCH_QPSK

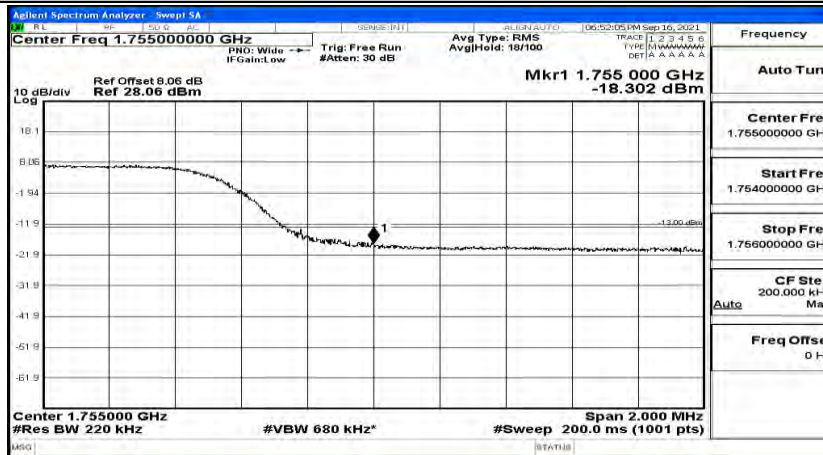


Channel Bandwidth: 10 MHz_HCH_QPSK



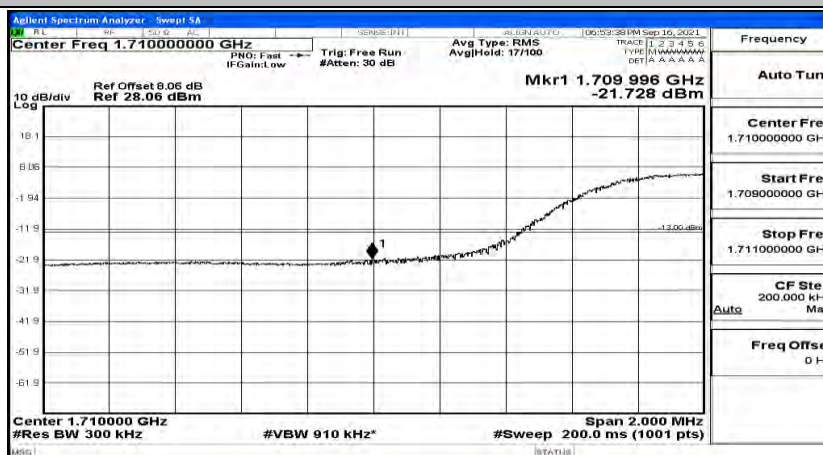


Channel Bandwidth: 10 MHz_HCH_16QAM

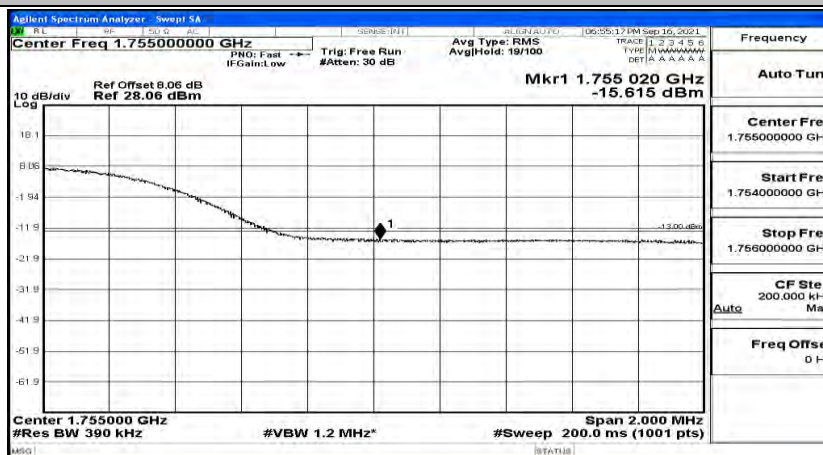


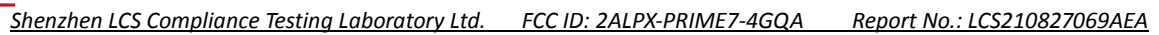
Channel Bandwidth: 15 MHz

(Channel Bandwidth:15 MHz)_LCH_QPSK



(Channel Bandwidth:15 MHz)_HCH_QPSK

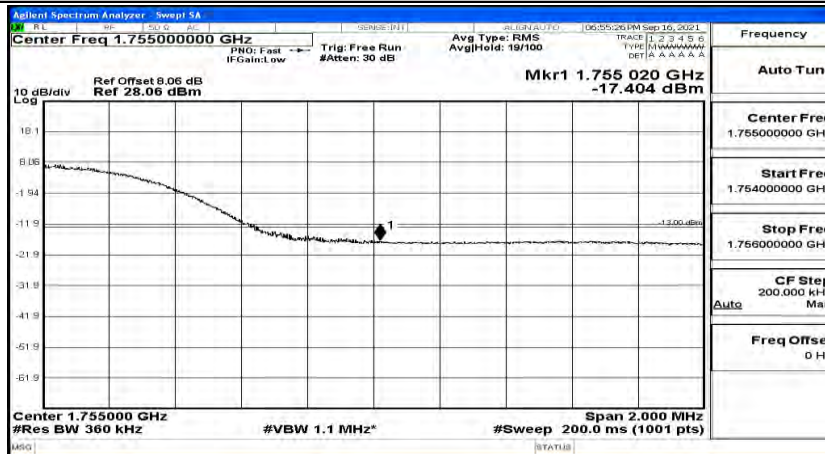




(Channel Bandwidth:15 MHz)_LCH_16QAM

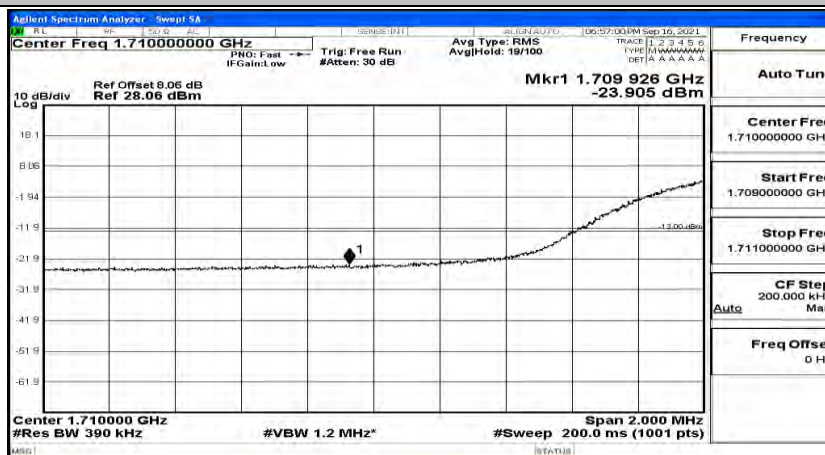


(Channel Bandwidth:15 MHz)_HCH_16QAM



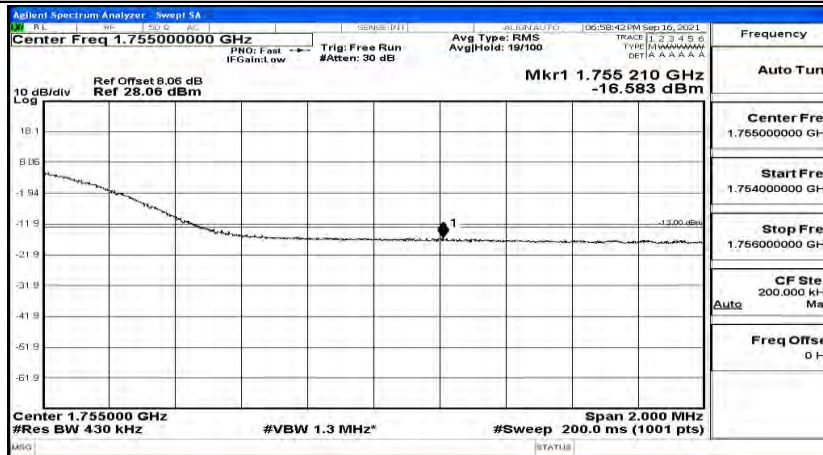
Channel Bandwidth: 20 MHz

(Channel Bandwidth:20 MHz)_LCH_QPSK

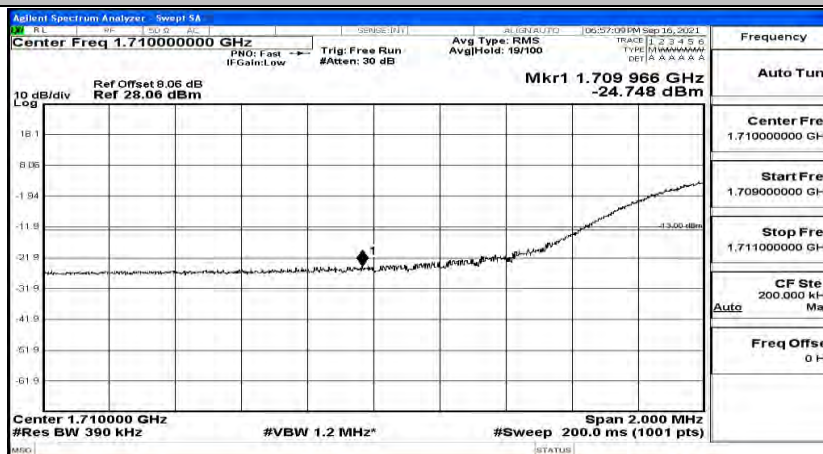




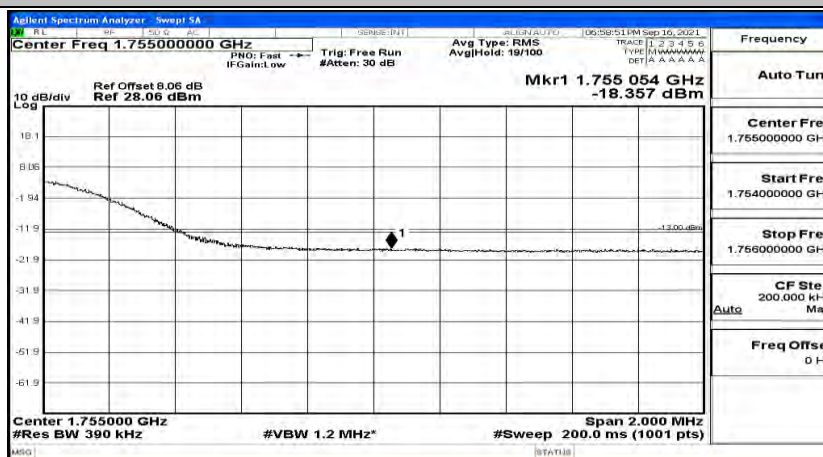
(Channel Bandwidth:20 MHz)_HCH_QPSK



(Channel Bandwidth:20 MHz)_LCH_16QAM



(Channel Bandwidth:20 MHz)_HCH_16QAM



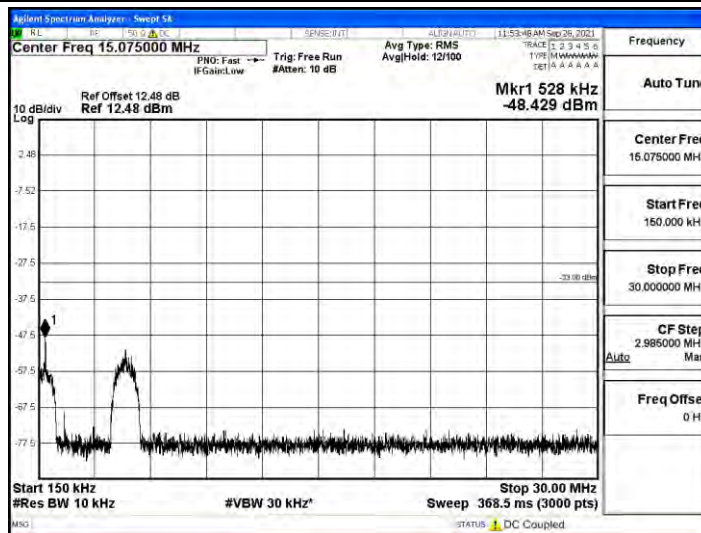


B.5 Conducted Spurious Emission

Test Graphs

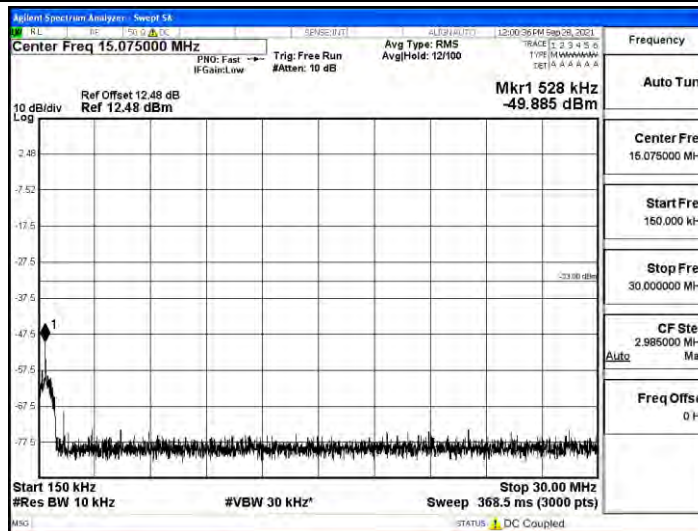
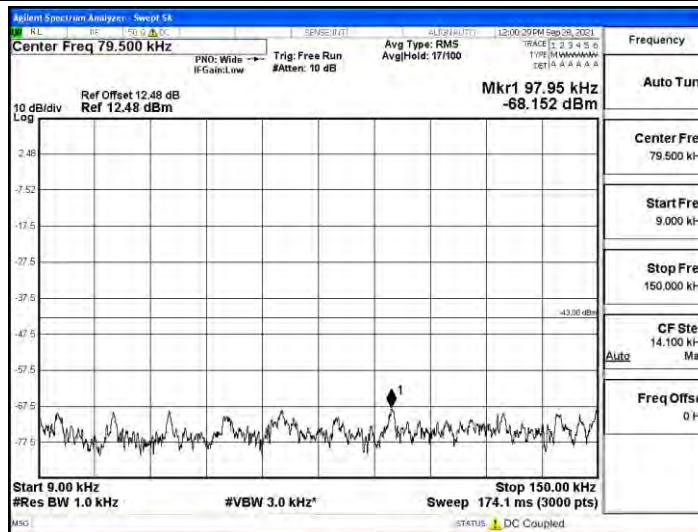
Channel Bandwidth: 1.4 MHz

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK



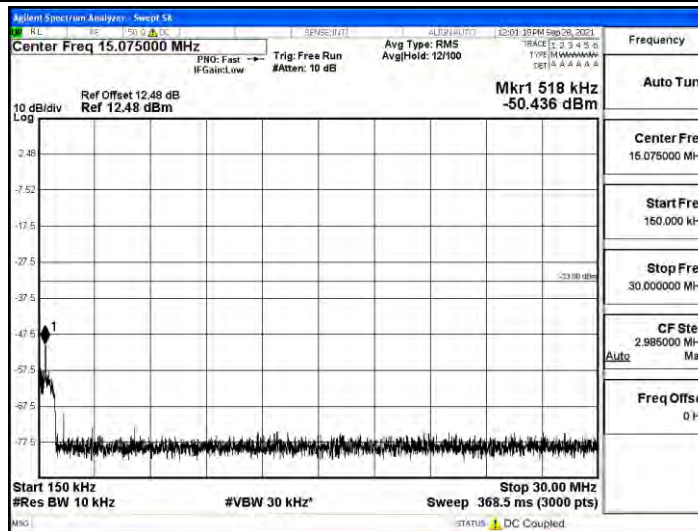
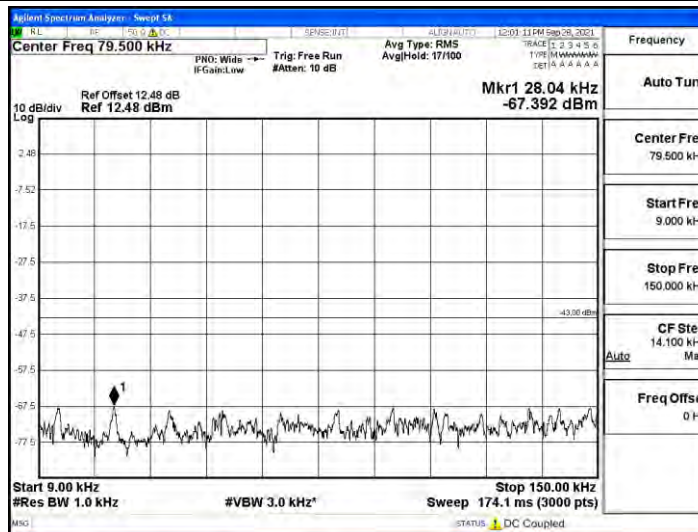


(Channel Bandwidth: 1.4 MHz)_MCH_QPSK



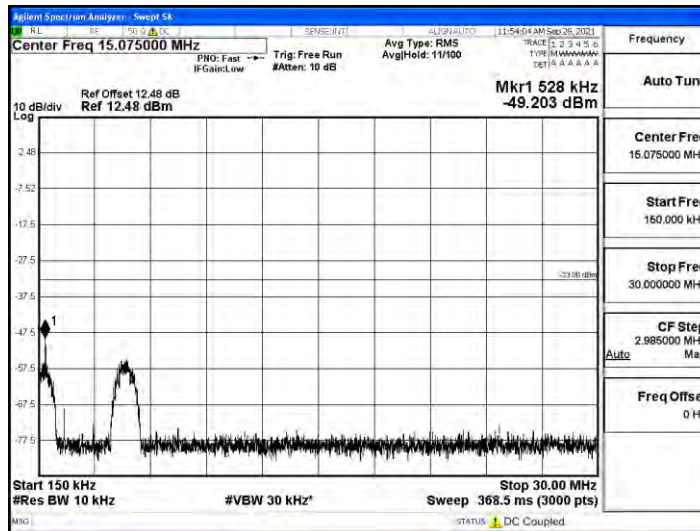


(Channel Bandwidth: 1.4 MHz)_HCH_QPSK



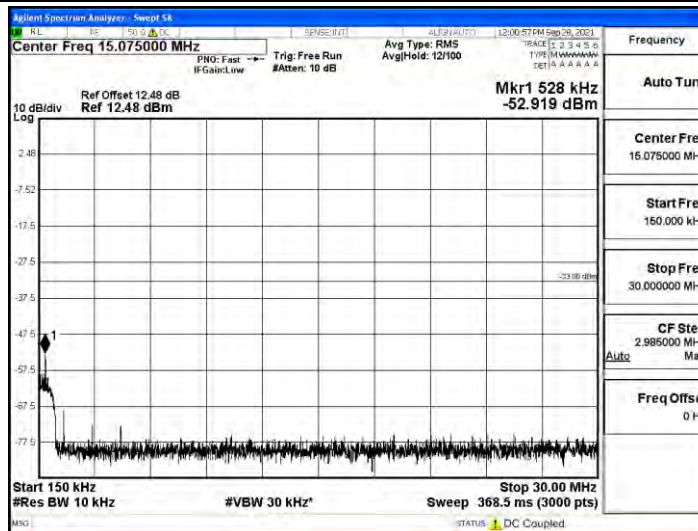
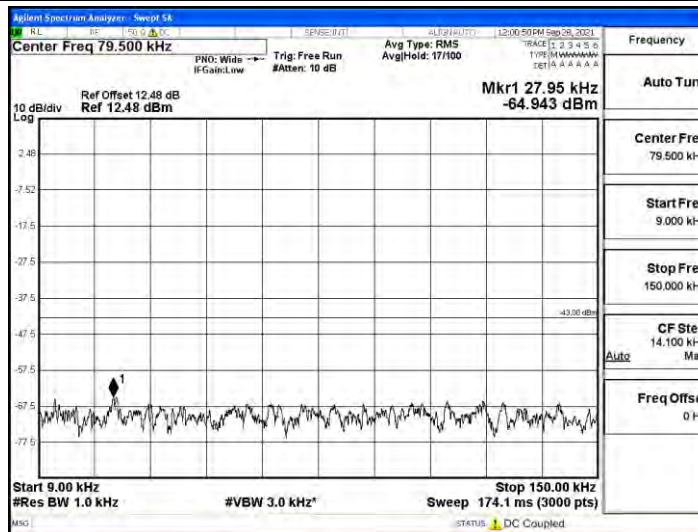


(Channel Bandwidth: 1.4 MHz)_LCH_16QAM



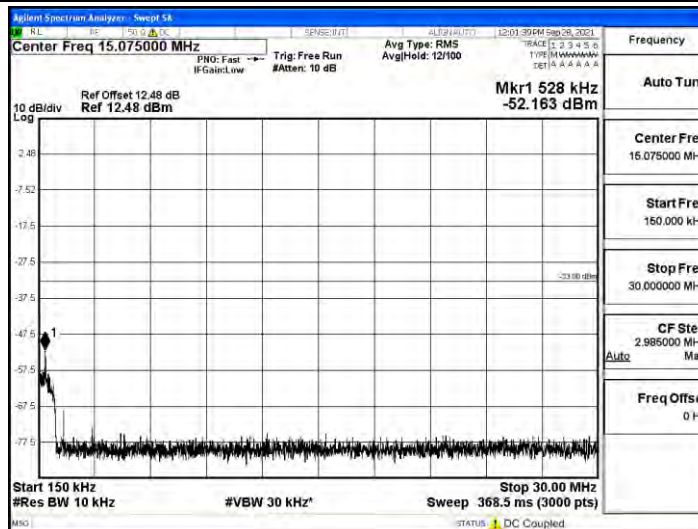
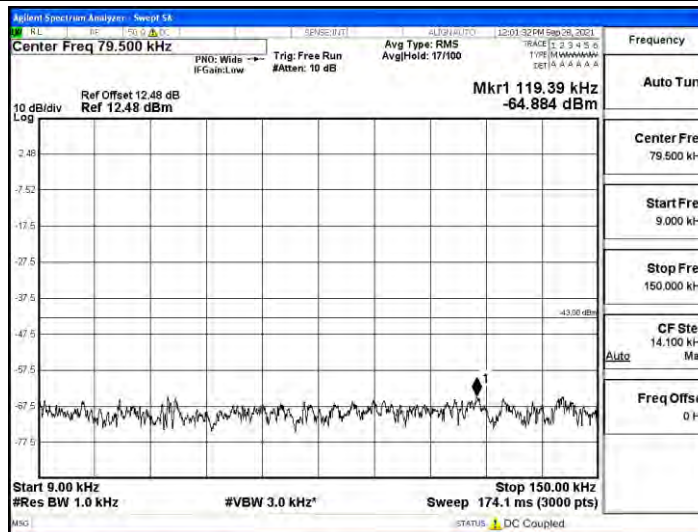


(Channel Bandwidth: 1.4 MHz)_MCH_16QAM





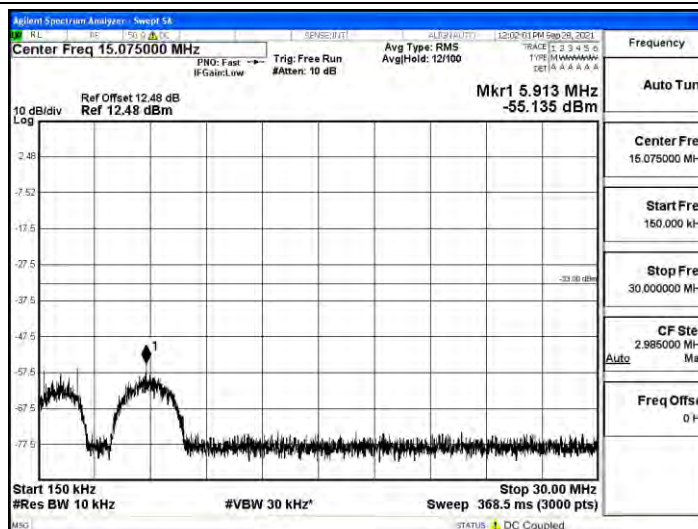
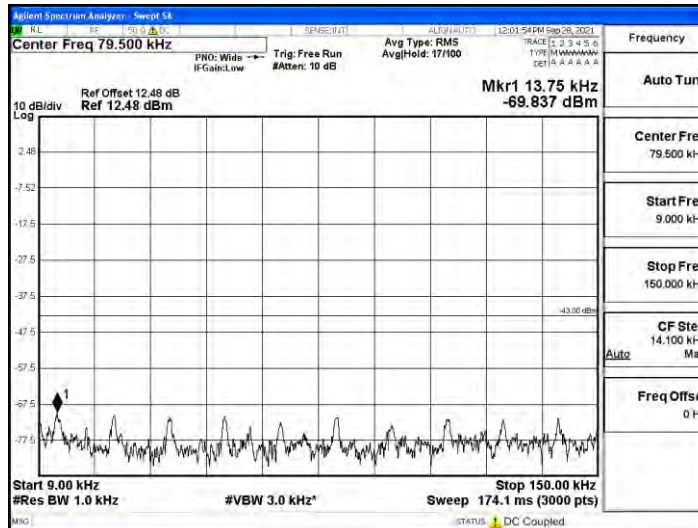
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM





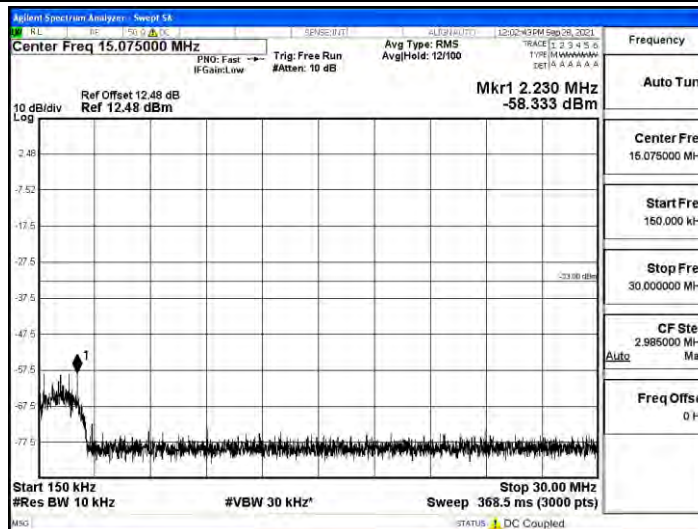
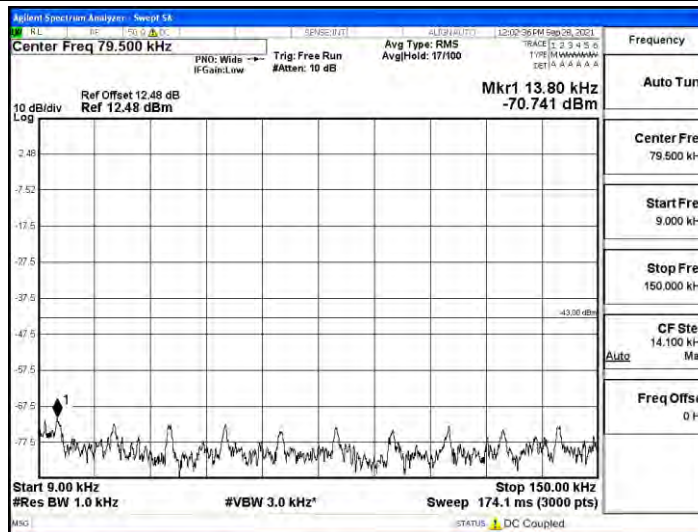
Channel Bandwidth: 3 MHz

(Channel Bandwidth: 3 MHz)_LCH_QPSK

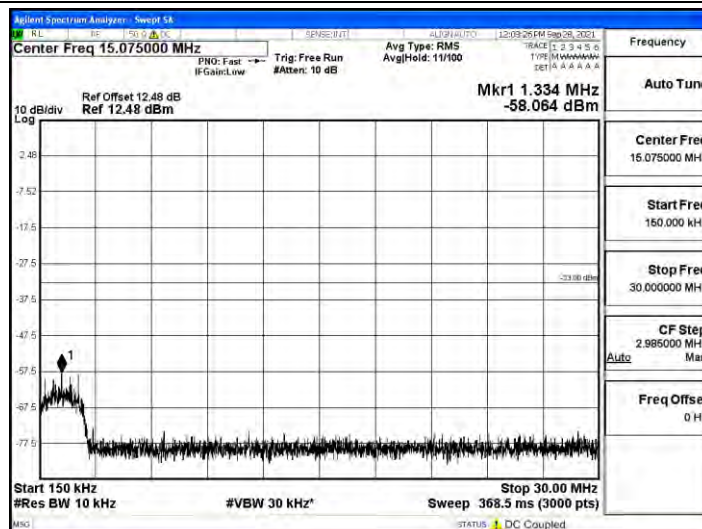
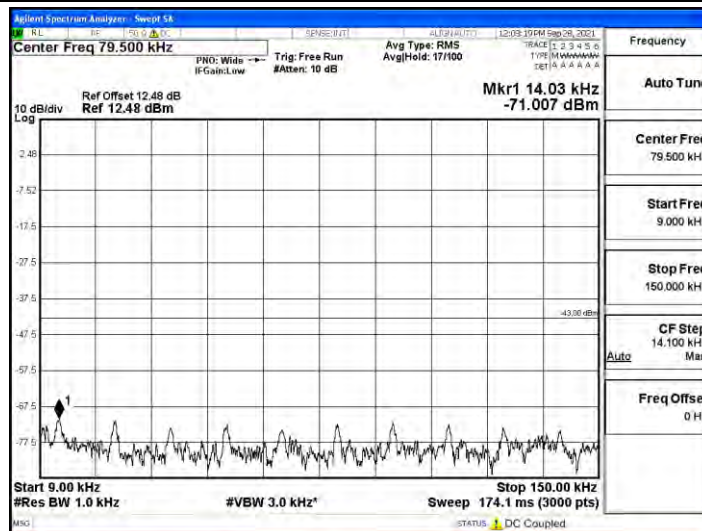




(Channel Bandwidth: 3 MHz)_MCH_QPSK

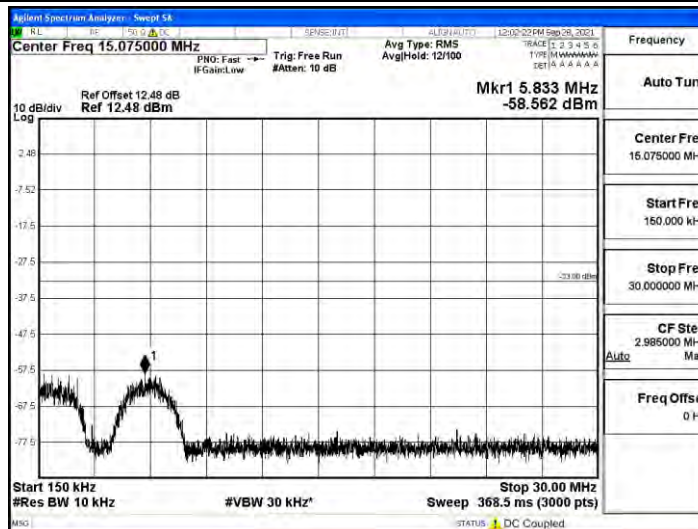
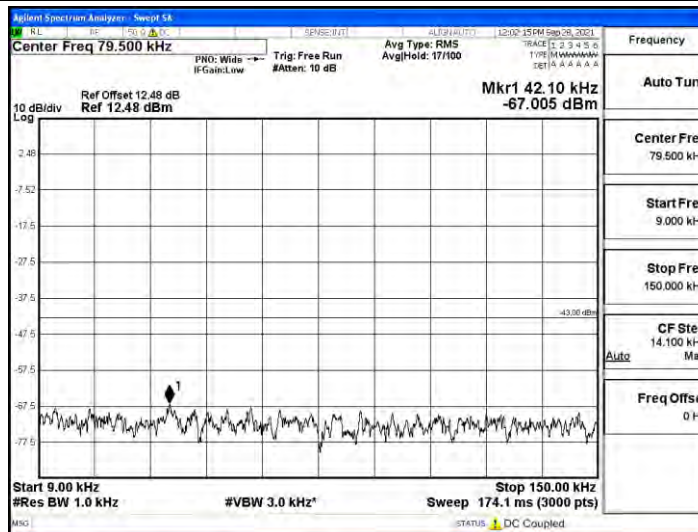


(Channel Bandwidth: 3 MHz)_HCH_QPSK



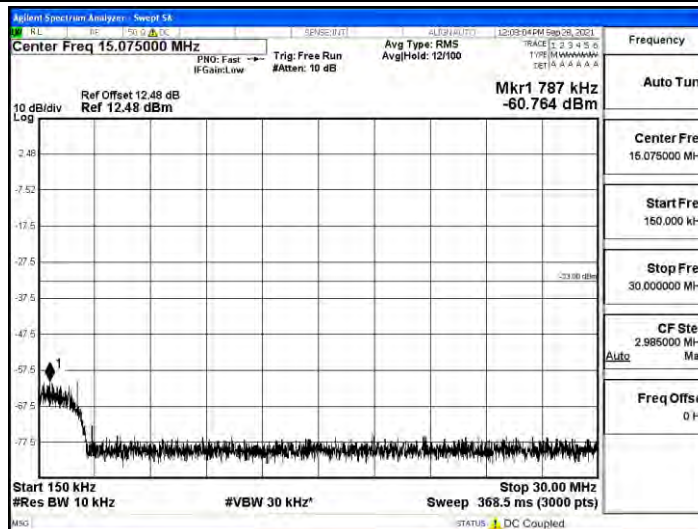
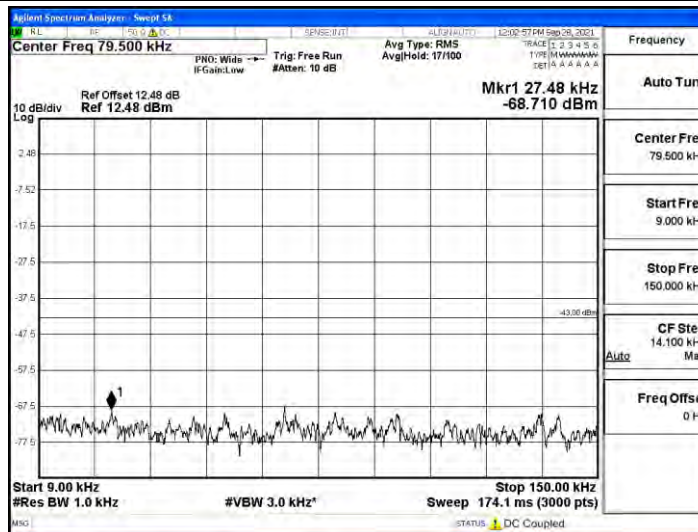


(Channel Bandwidth: 3 MHz)_LCH_16QAM



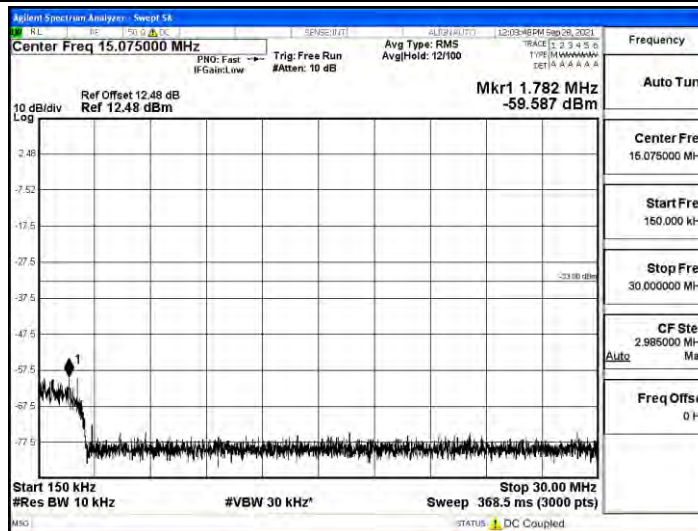
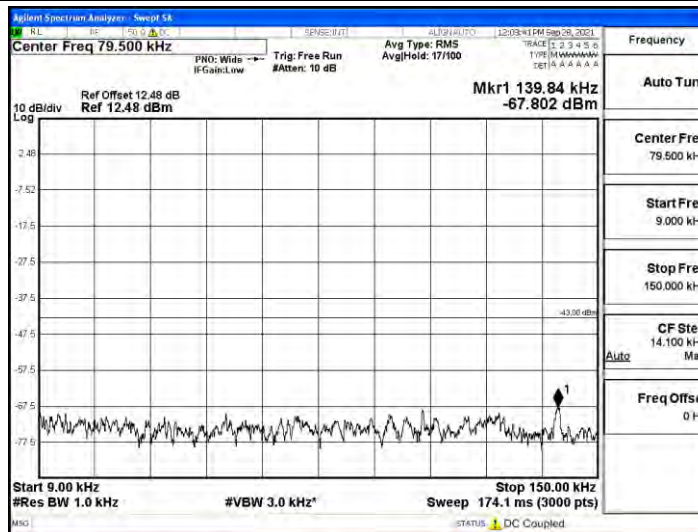


(Channel Bandwidth: 3 MHz)_MCH_16QAM





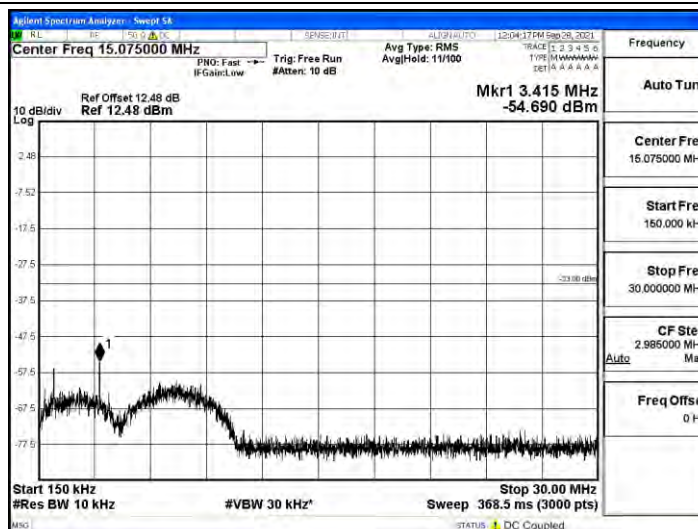
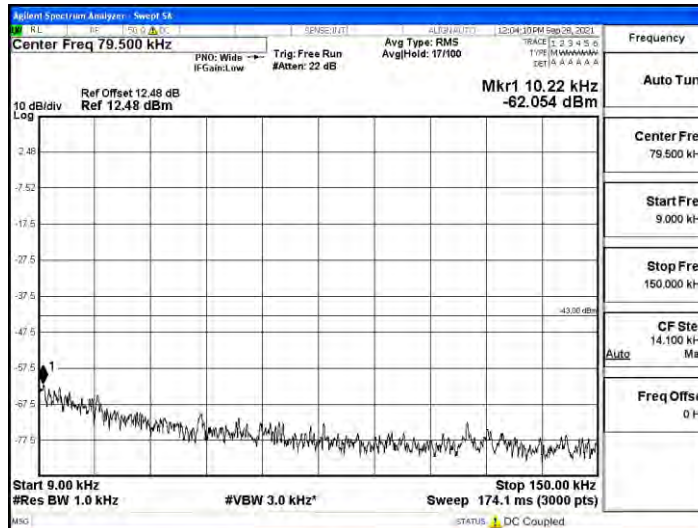
(Channel Bandwidth: 3 MHz)_HCH_16QAM





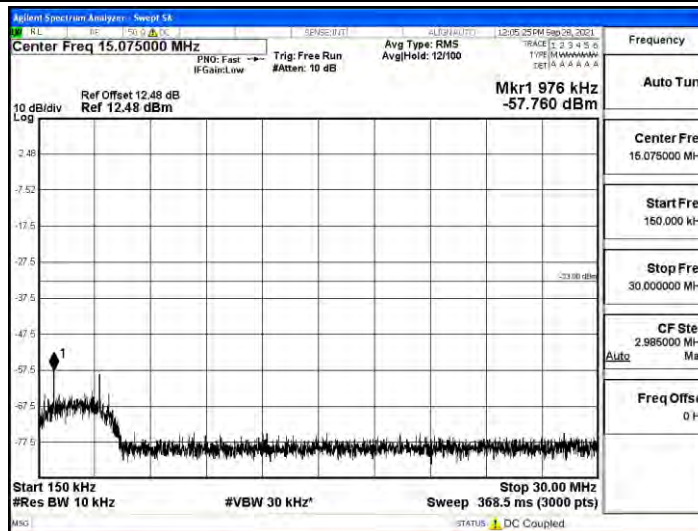
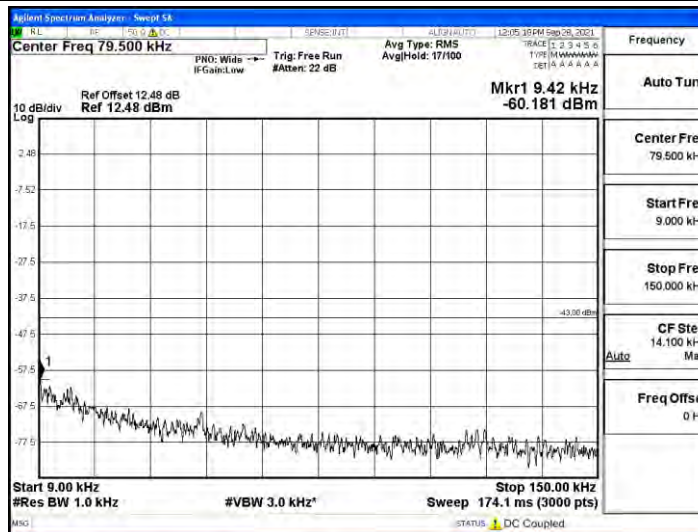
Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK



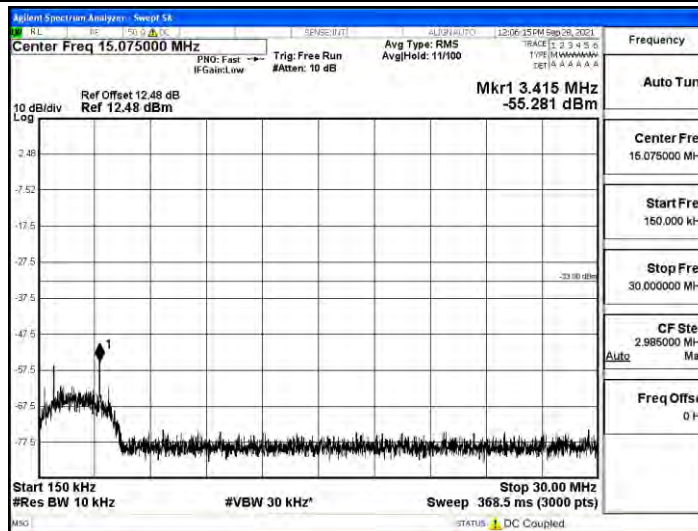
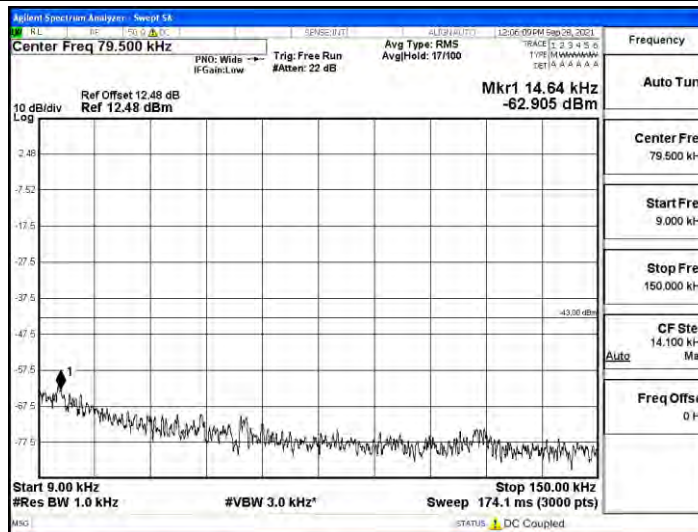


(Channel Bandwidth: 5 MHz)_MCH_QPSK



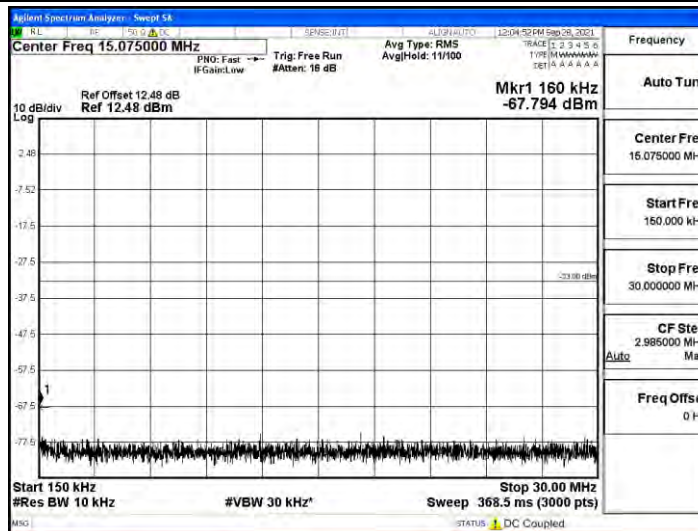
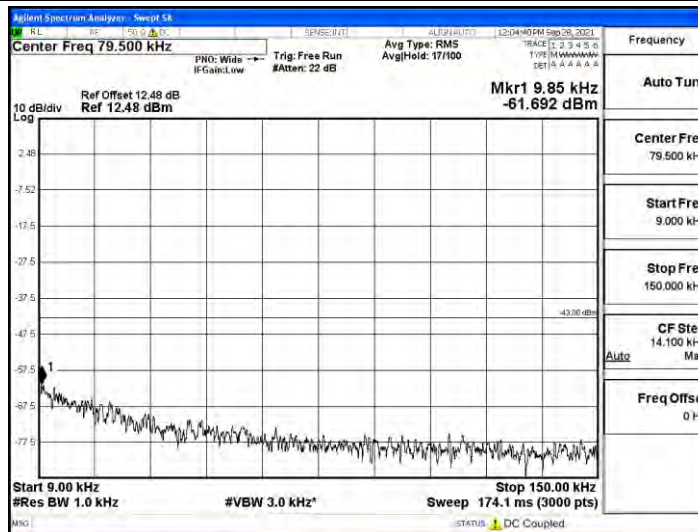


(Channel Bandwidth: 5 MHz)_HCH_QPSK



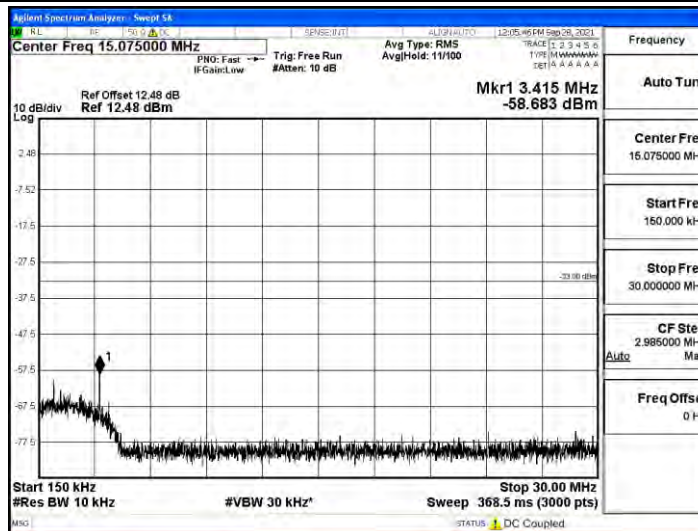
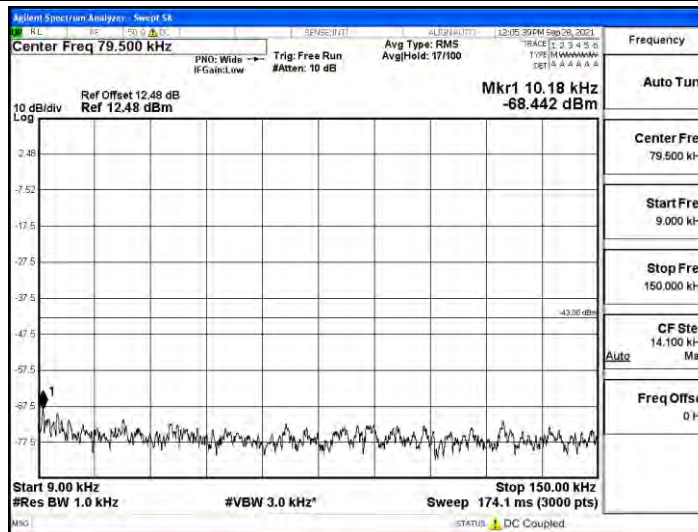


(Channel Bandwidth: 5 MHz)_LCH_16QAM



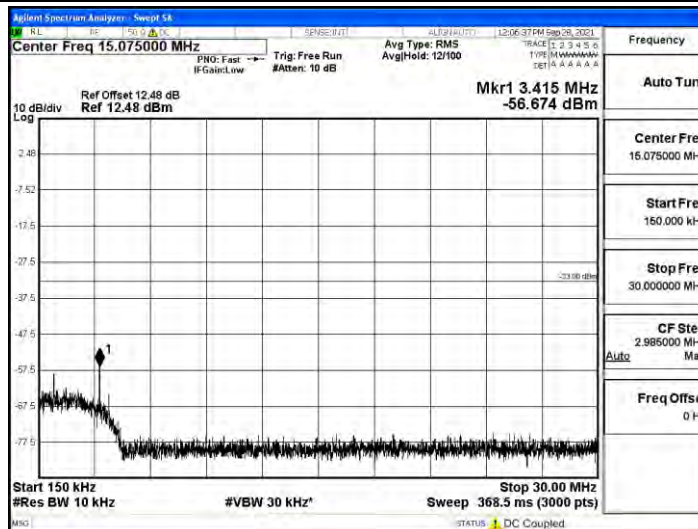
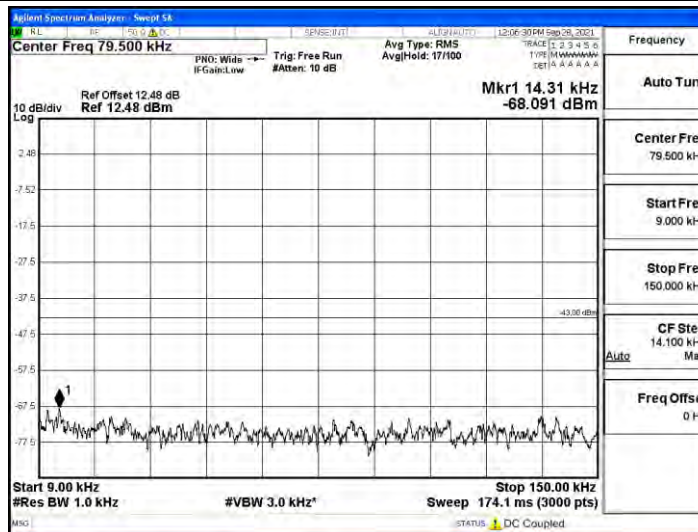


(Channel Bandwidth: 5 MHz)_MCH_16QAM



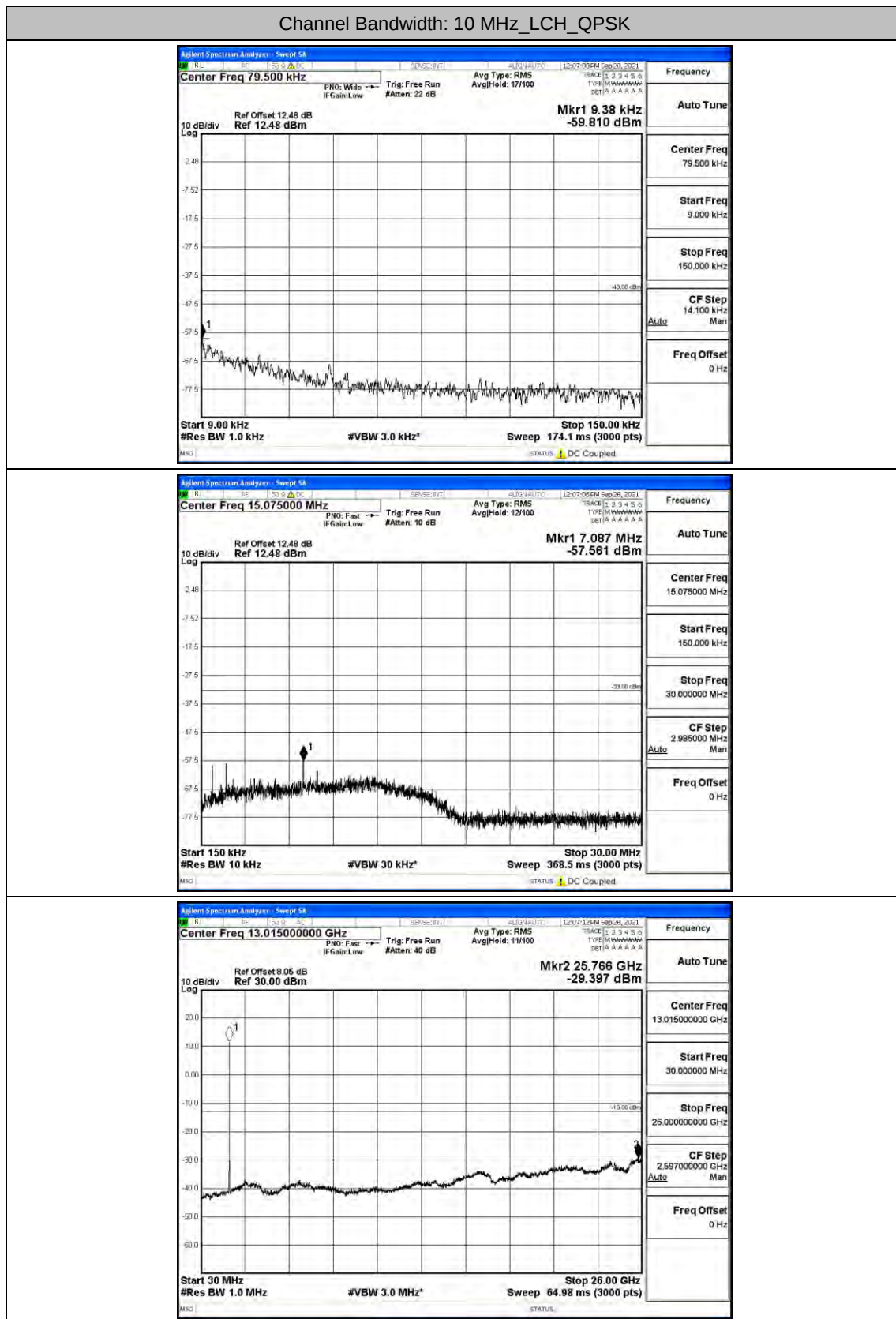


(Channel Bandwidth: 5 MHz)_HCH_16QAM



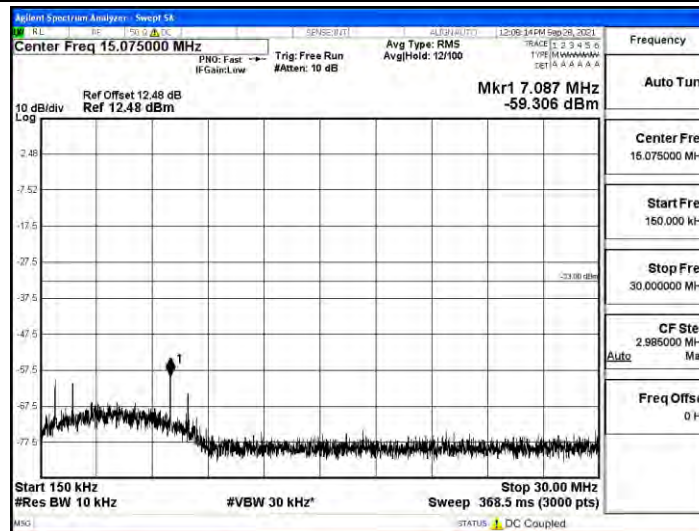
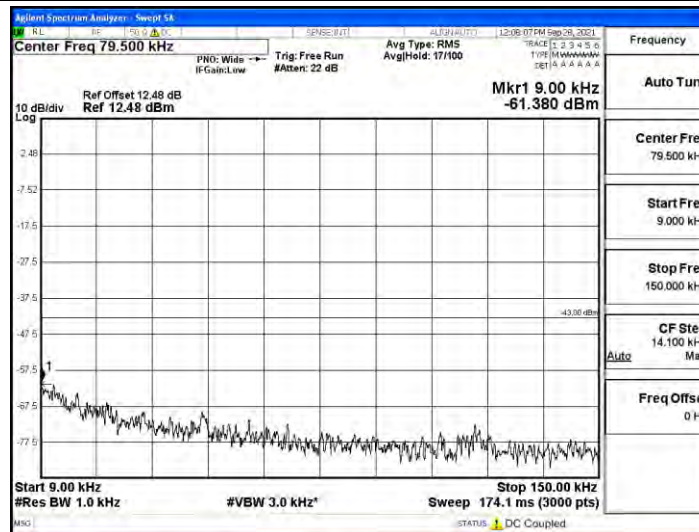


Channel Bandwidth: 10 MHz



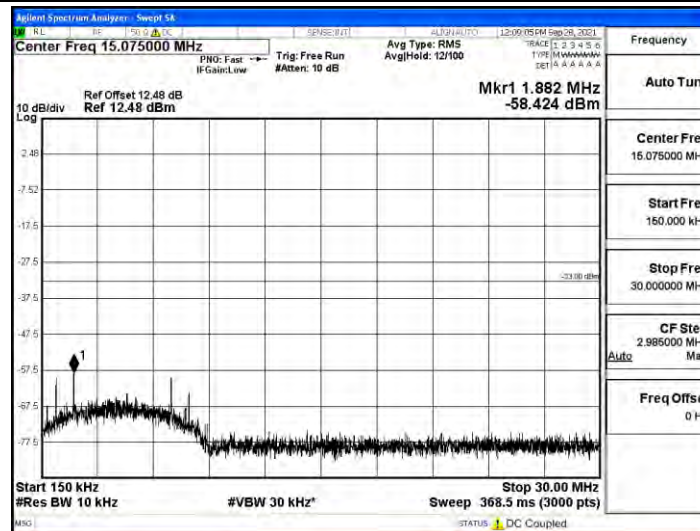
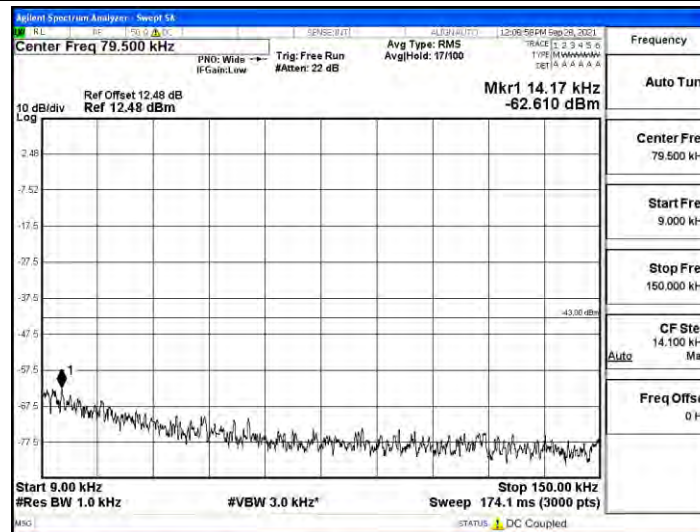


Channel Bandwidth: 10 MHz_MCH_QPSK



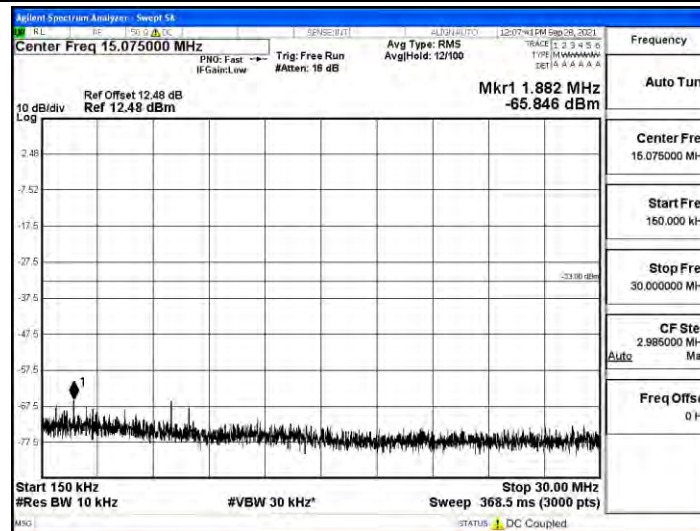
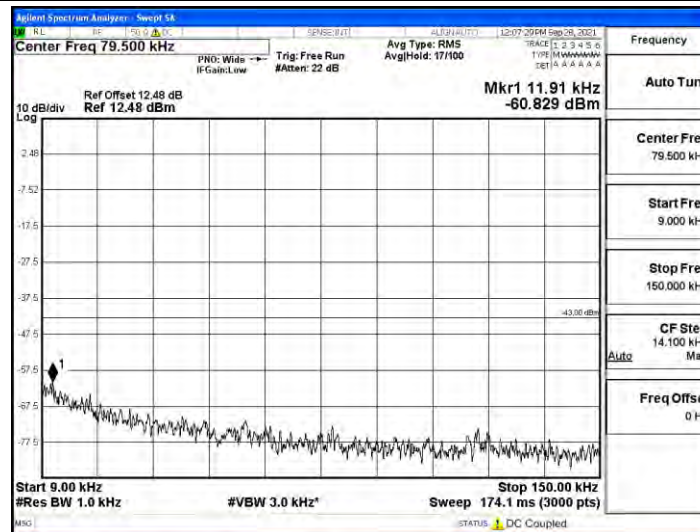


Channel Bandwidth: 10 MHz_HCH_QPSK



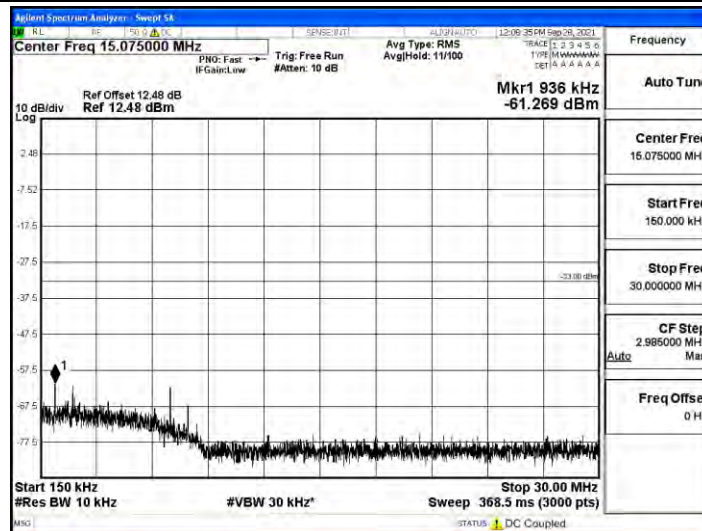
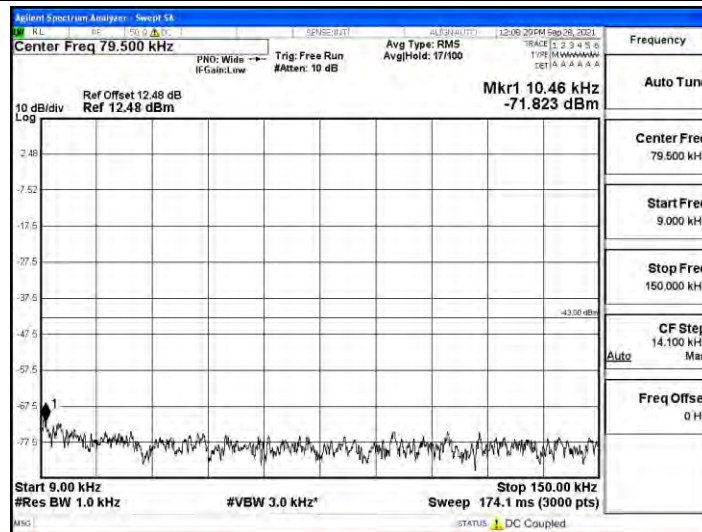


Channel Bandwidth: 10 MHz_LCH_16QAM



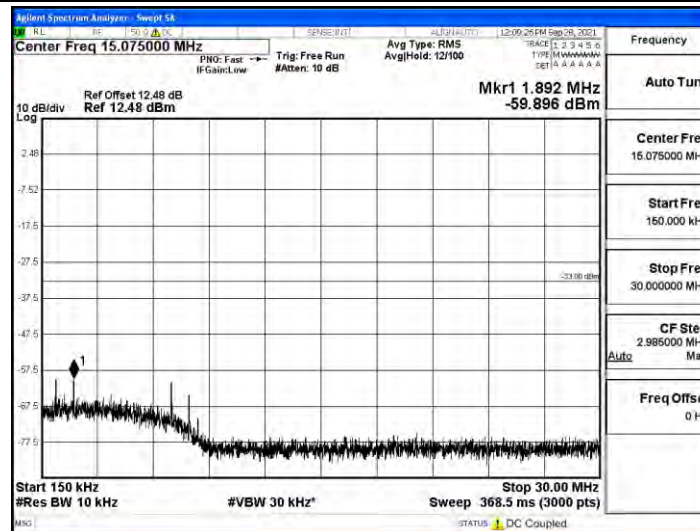
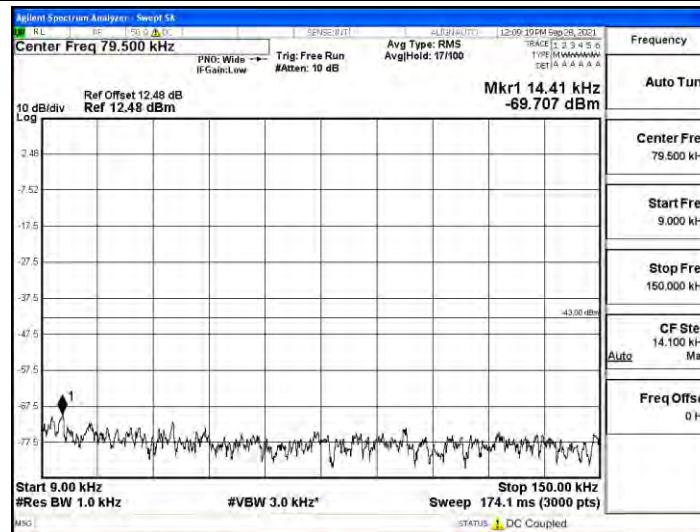


Channel Bandwidth: 10 MHz_MCH_16QAM





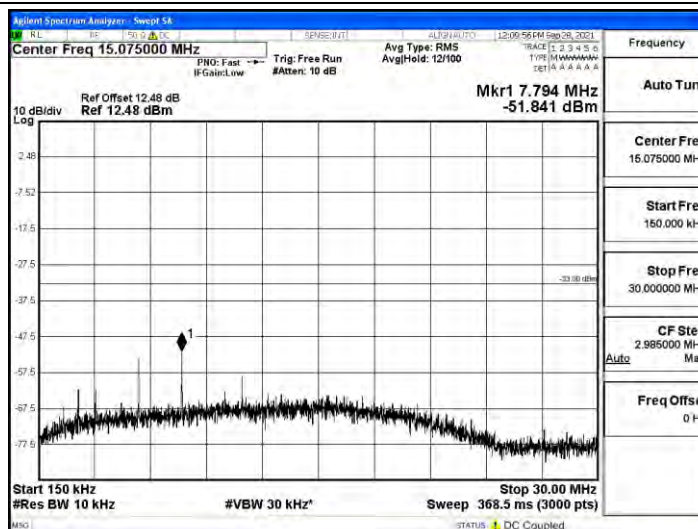
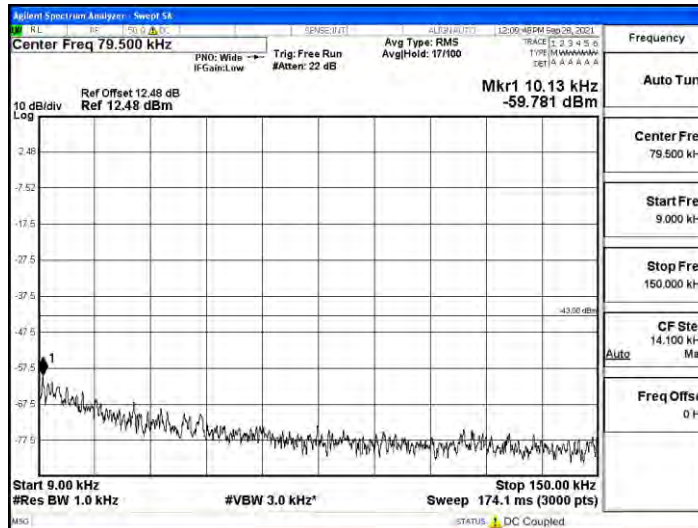
Channel Bandwidth: 10 MHz_HCH_16QAM





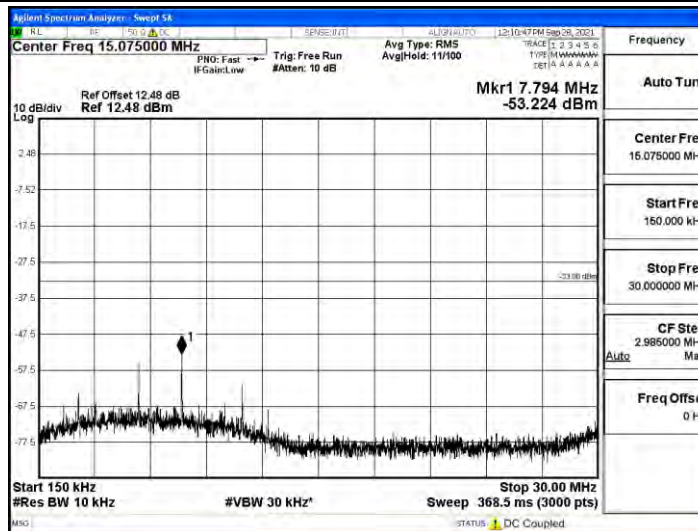
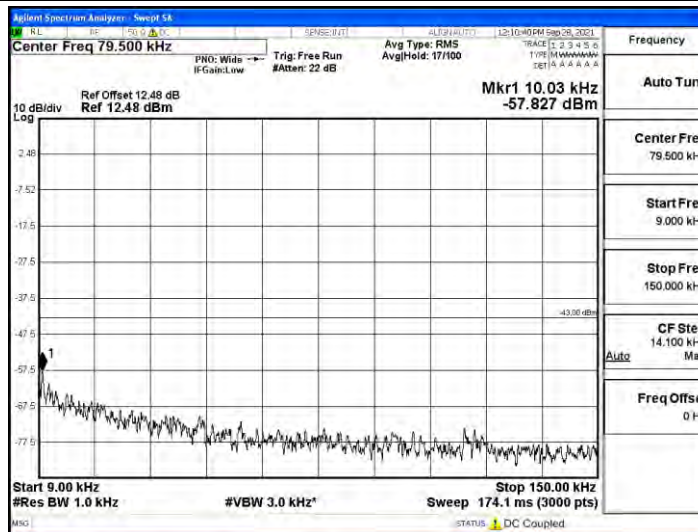
Channel Bandwidth: 15 MHz

(Channel Bandwidth:15 MHz)_LCH_QPSK



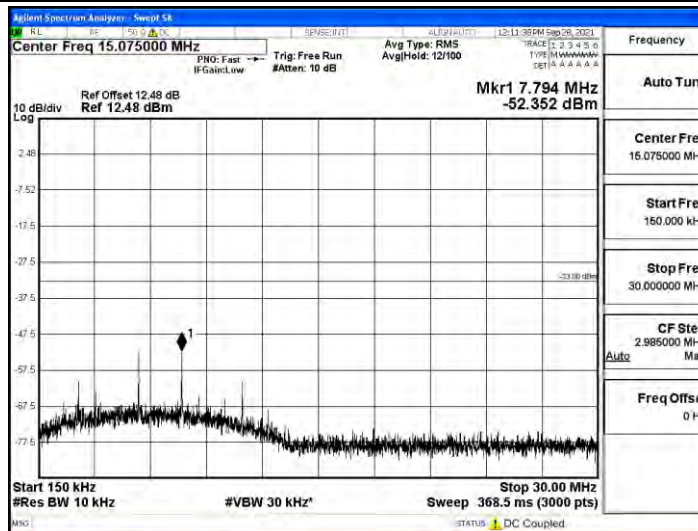
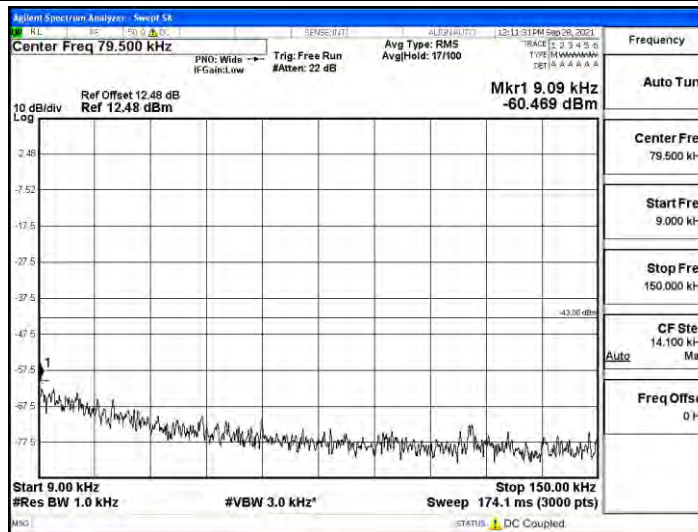


(Channel Bandwidth:15 MHz)_MCH_QPSK



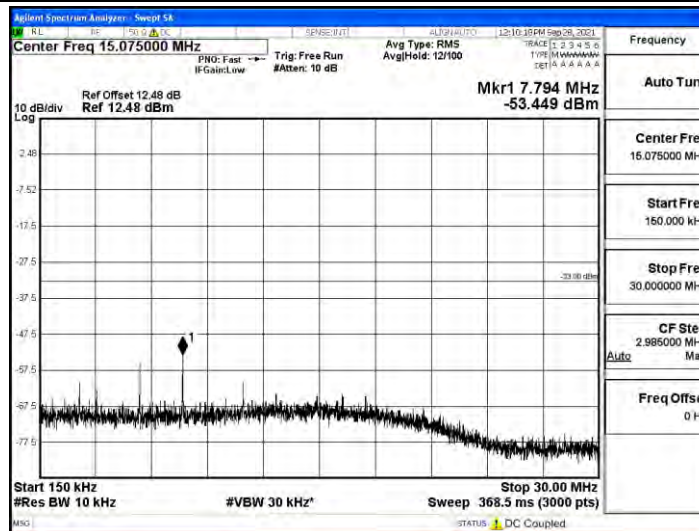
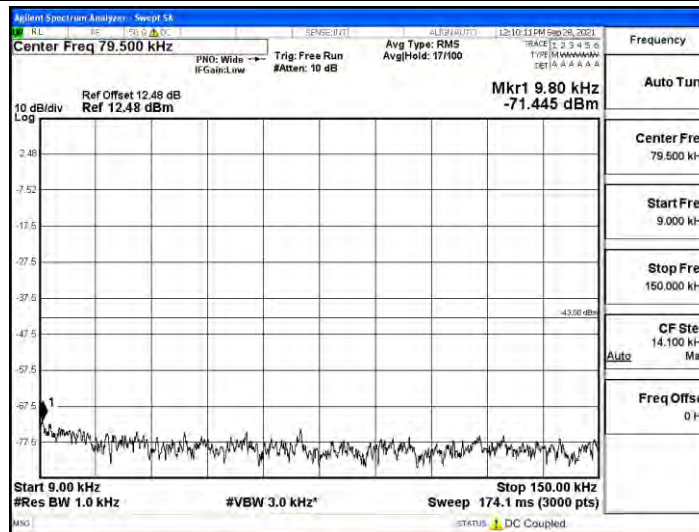


(Channel Bandwidth:15 MHz)_HCH_QPSK



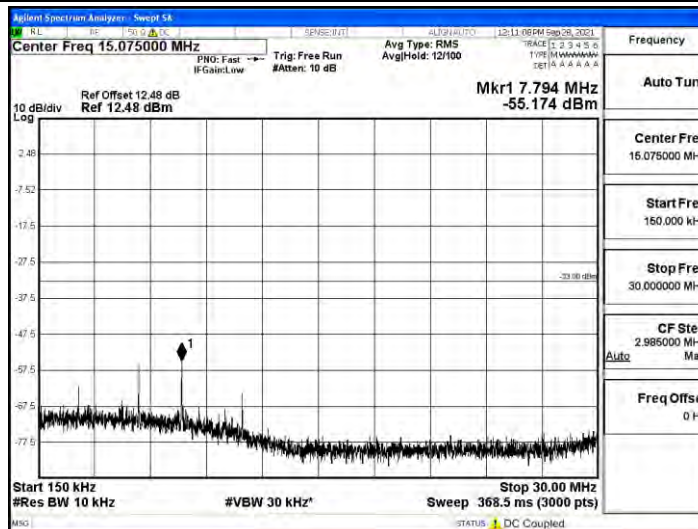
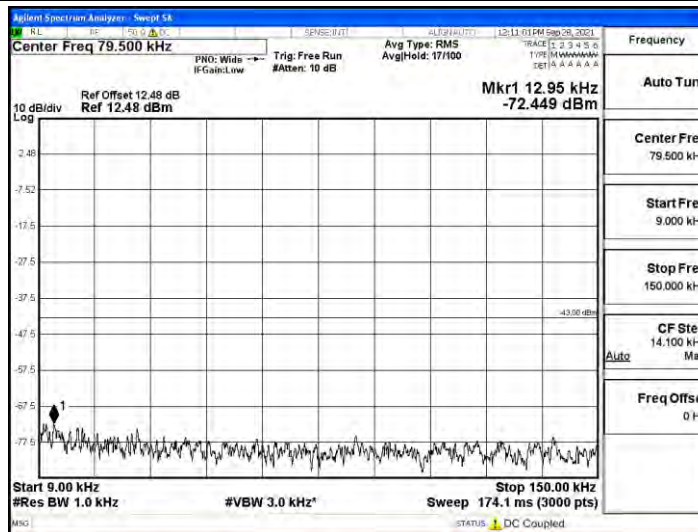


(Channel Bandwidth:15 MHz)_LCH_16QAM



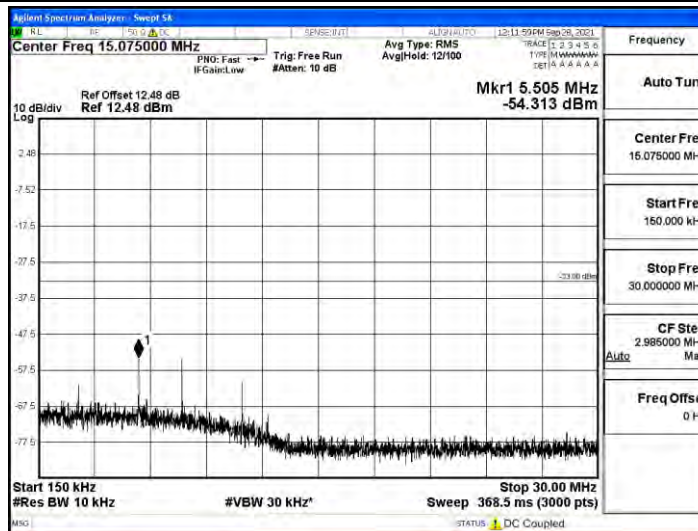
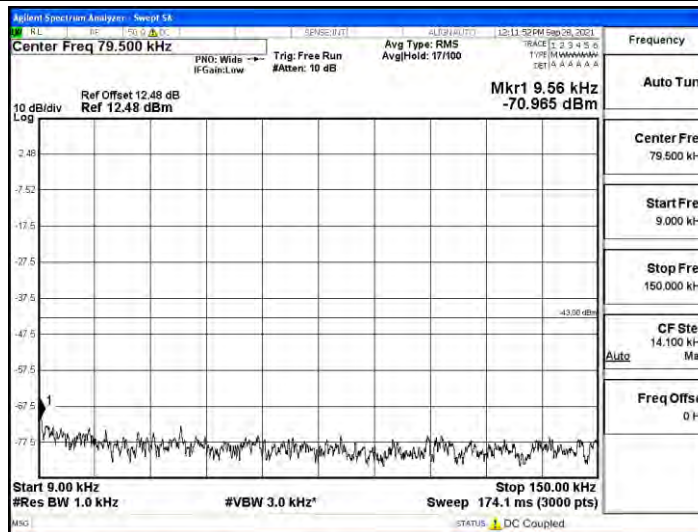


(Channel Bandwidth:15 MHz)_MCH_16QAM





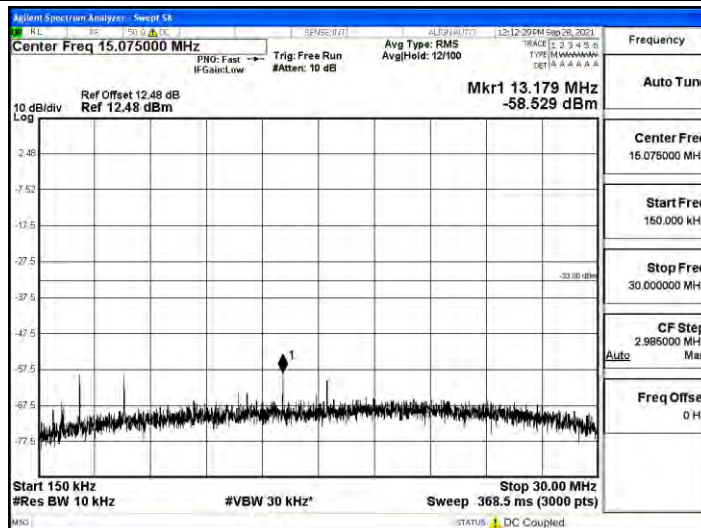
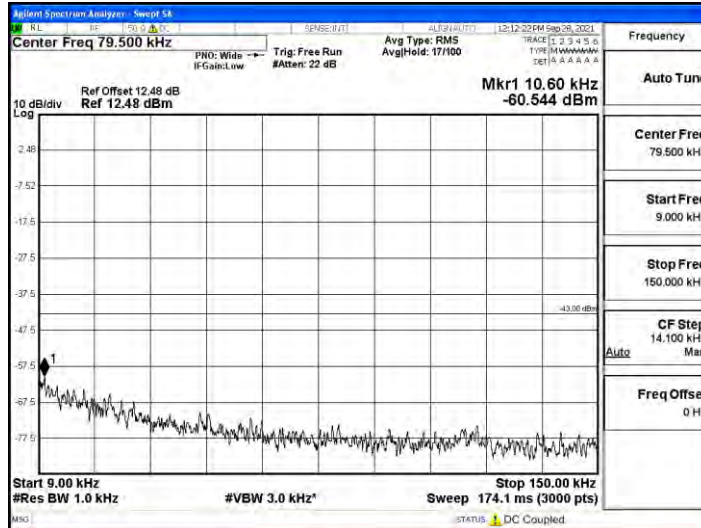
(Channel Bandwidth:15 MHz)_HCH_16QAM





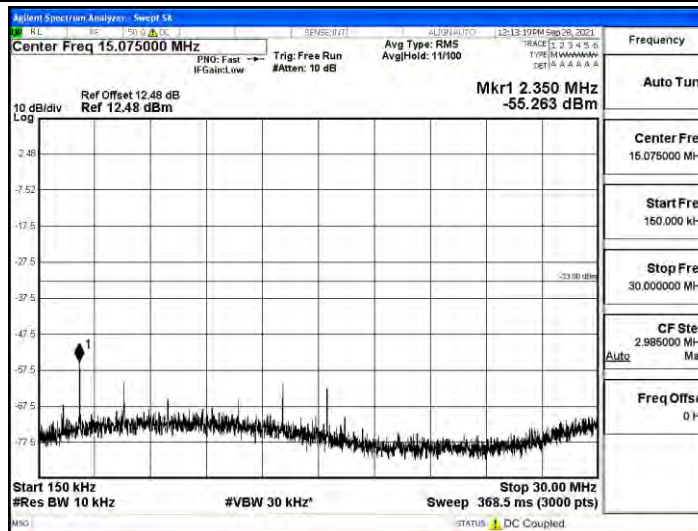
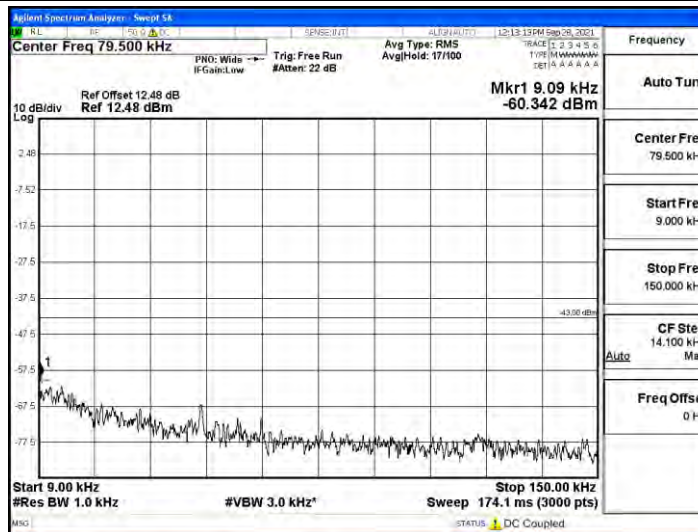
Channel Bandwidth: 20 MHz

(Channel Bandwidth:20 MHz)_LCH_QPSK



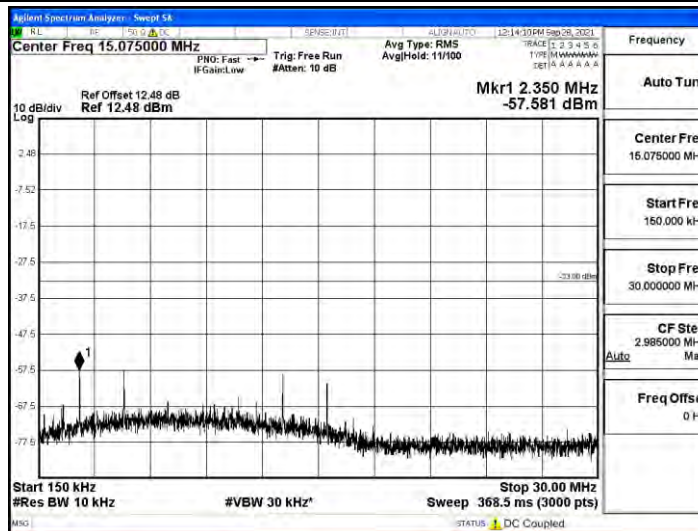
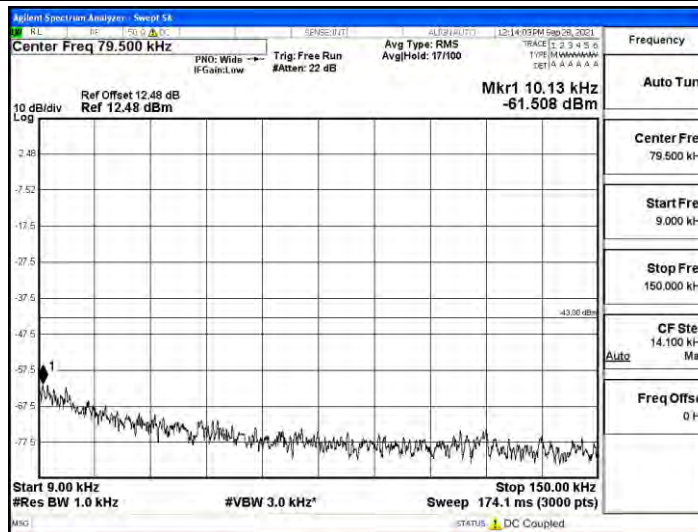


(Channel Bandwidth:20 MHz)_MCH_QPSK



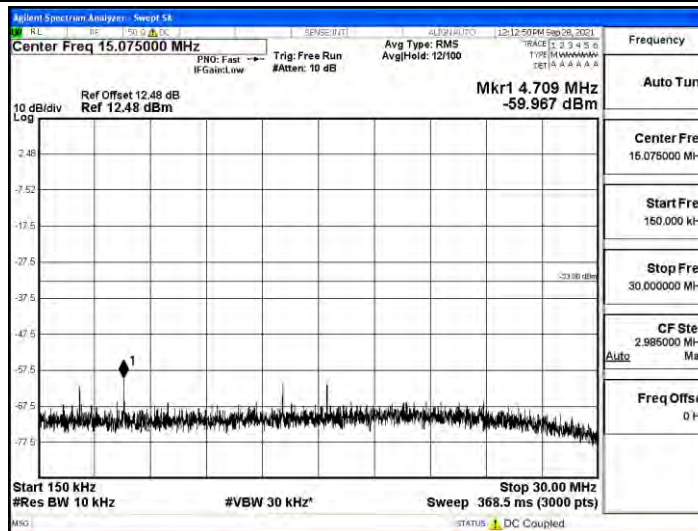
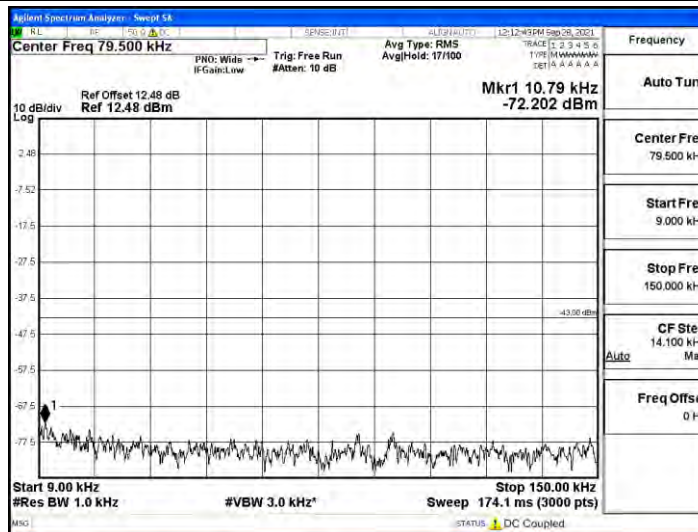


(Channel Bandwidth:20 MHz)_HCH_QPSK



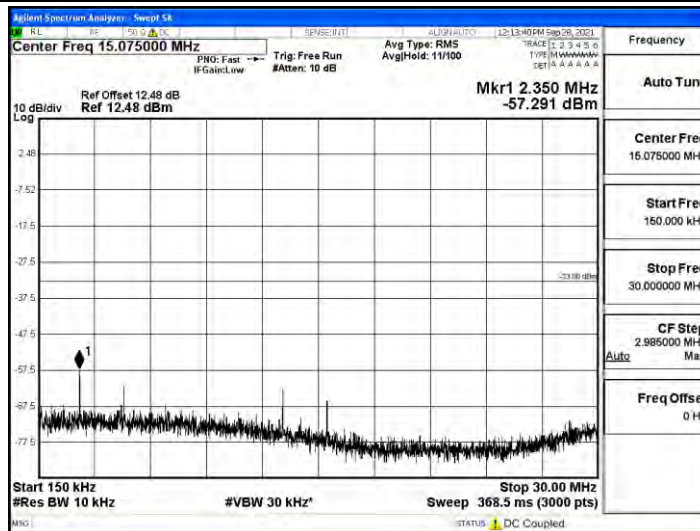
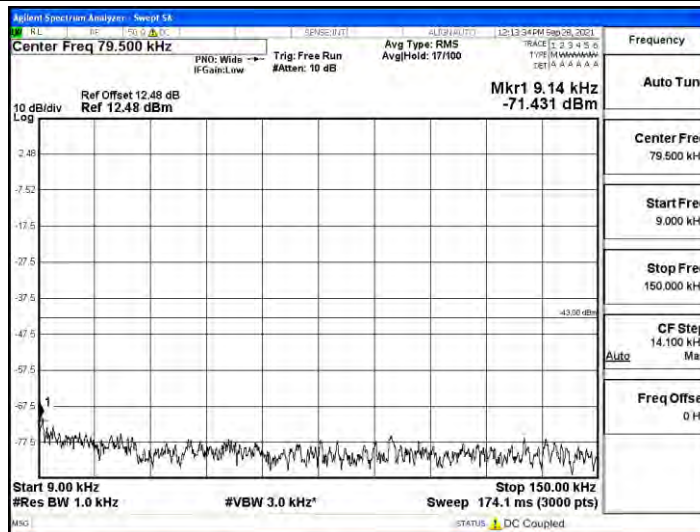


(Channel Bandwidth:20 MHz)_LCH_16QAM





(Channel Bandwidth:20 MHz)_MCH_16QAM





(Channel Bandwidth:20 MHz)_HCH_16QAM

