

Appendix H: Test Data for E-UTRA Band 5

Product Name: TABLET

Trade Mark: armourphone

Test Model: TB8

Environmental Conditions

Temperature:	22.9° C
Relative Humidity:	53.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Li Huan

H.1 Conducted Output Power

Conducted Output Power Test Result (Channel Bandwidth: 1.4 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]		Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	23.09	22.22	PASS
		1	3	23.24	22.24	PASS
		1	5	23.24	22.22	PASS
		3	0	23.38	22.44	PASS
		3	2	23.51	22.44	PASS
		3	3	23.49	22.29	PASS
		6	0	22.50	21.81	PASS
	MCH	1	0	23.31	22.50	PASS
		1	3	23.48	22.74	PASS
		1	5	23.64	22.63	PASS
		3	0	23.25	22.55	PASS
		3	2	23.32	22.60	PASS
		3	3	23.24	22.60	PASS
		6	0	22.47	21.52	PASS
	HCH	1	0	23.45	22.73	PASS
		1	3	23.49	22.79	PASS
		1	5	23.35	22.41	PASS
		3	0	23.39	22.62	PASS
		3	2	23.35	22.59	PASS
		3	3	23.30	22.56	PASS
		6	0	22.50	21.33	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	23.39	22.58	PASS
		1	7	23.56	22.68	PASS
		1	14	23.46	22.89	PASS
		8	0	22.48	21.39	PASS
		8	4	22.47	21.49	PASS
		8	7	22.63	21.45	PASS
		15	0	22.47	21.39	PASS
	MCH	1	0	23.33	22.56	PASS
		1	7	23.49	22.79	PASS
		1	14	23.40	22.87	PASS
		8	0	22.38	21.45	PASS
		8	4	22.48	21.45	PASS
		8	7	22.42	21.55	PASS
		15	0	22.49	21.34	PASS
	HCH	1	0	23.36	22.31	PASS
		1	7	23.48	22.47	PASS
		1	14	23.26	22.10	PASS
		8	0	22.47	21.36	PASS
		8	4	22.50	21.47	PASS
		8	7	22.37	21.38	PASS
		15	0	22.51	21.42	PASS

Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	23.22	22.04	PASS
		1	12	23.56	22.30	PASS
		1	24	23.32	21.91	PASS
		12	0	22.46	21.41	PASS
		12	6	22.45	21.20	PASS
		12	13	22.39	21.15	PASS
		25	0	22.44	21.50	PASS
	MCH	1	0	23.20	22.27	PASS
		1	12	23.76	22.41	PASS
		1	24	23.55	22.15	PASS
		12	0	22.31	21.32	PASS
		12	6	22.49	21.55	PASS
		12	13	22.45	21.53	PASS
		25	0	22.39	21.53	PASS
	HCH	1	0	23.49	22.22	PASS
		1	12	23.75	22.45	PASS
		1	24	23.46	22.08	PASS
		12	0	22.62	21.29	PASS
		12	6	22.62	21.38	PASS
		12	13	22.49	21.26	PASS
		25	0	22.48	21.65	PASS

Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	23.26	23.12	PASS
		1	24	23.42	23.28	PASS
		1	49	23.13	22.56	PASS
		25	0	22.43	21.33	PASS
		25	12	22.38	21.44	PASS
		25	25	22.28	21.41	PASS
		50	0	22.36	21.25	PASS
	MCH	1	0	23.37	22.74	PASS
		1	24	23.63	22.92	PASS
		1	49	23.74	22.87	PASS
		25	0	22.37	21.33	PASS
		25	12	22.47	21.40	PASS
		25	25	22.55	21.46	PASS
		50	0	22.45	21.45	PASS
	HCH	1	0	23.37	22.38	PASS
		1	24	23.56	22.16	PASS
		1	49	23.52	22.21	PASS
		25	0	22.67	21.66	PASS
		25	12	22.67	21.73	PASS
		25	25	22.71	21.79	PASS
		50	0	22.67	21.58	PASS

H.2 Peak-to-Average Ratio

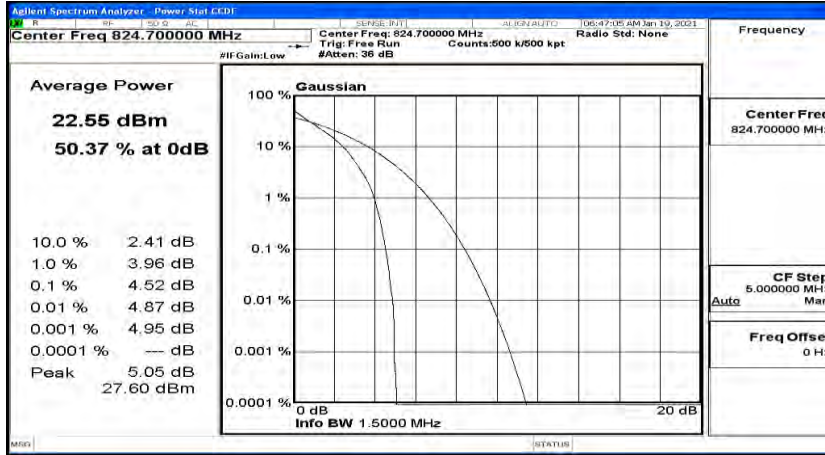
Peak-to Average Ratio Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.52	<13	PASS
	MCH	4.69	<13	PASS
	HCH	4.58	<13	PASS
16QAM	LCH	5.31	<13	PASS
	MCH	5.46	<13	PASS
	HCH	5.41	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.66	<13	PASS
	MCH	4.82	<13	PASS
	HCH	4.68	<13	PASS
16QAM	LCH	5.49	<13	PASS
	MCH	5.55	<13	PASS
	HCH	5.47	<13	PASS

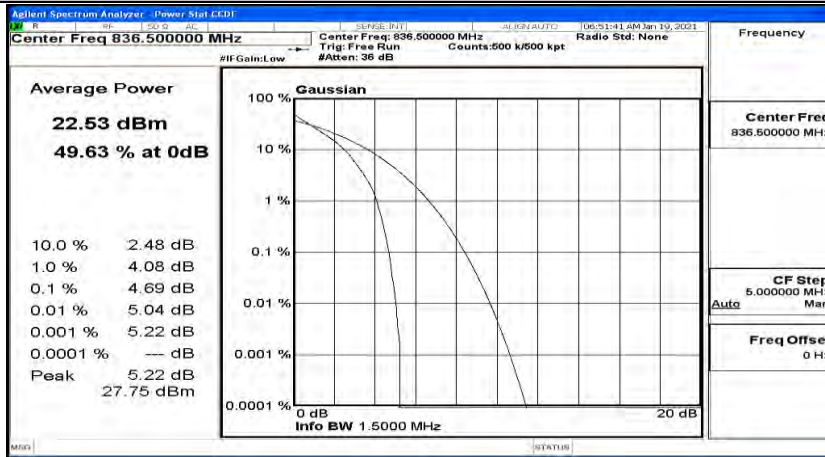
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.52	<13	PASS
	MCH	4.69	<13	PASS
	HCH	4.62	<13	PASS
16QAM	LCH	5.28	<13	PASS
	MCH	5.48	<13	PASS
	HCH	5.33	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.67	<13	PASS
	MCH	4.97	<13	PASS
	HCH	4.67	<13	PASS
16QAM	LCH	5.44	<13	PASS
	MCH	5.63	<13	PASS
	HCH	5.46	<13	PASS

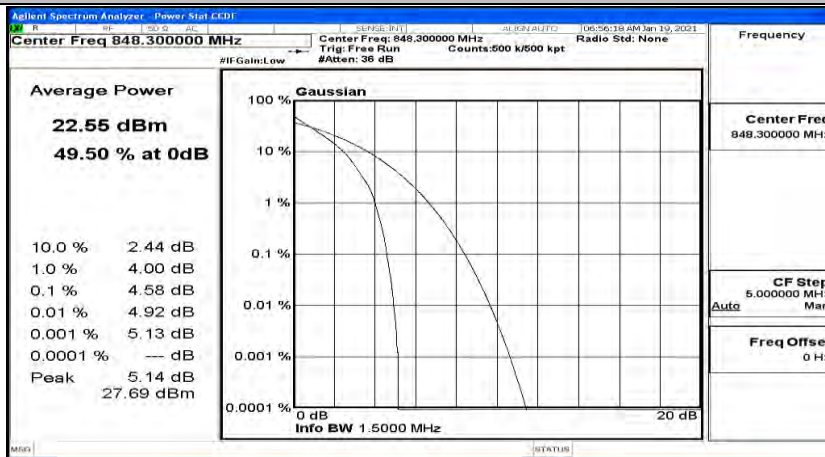
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



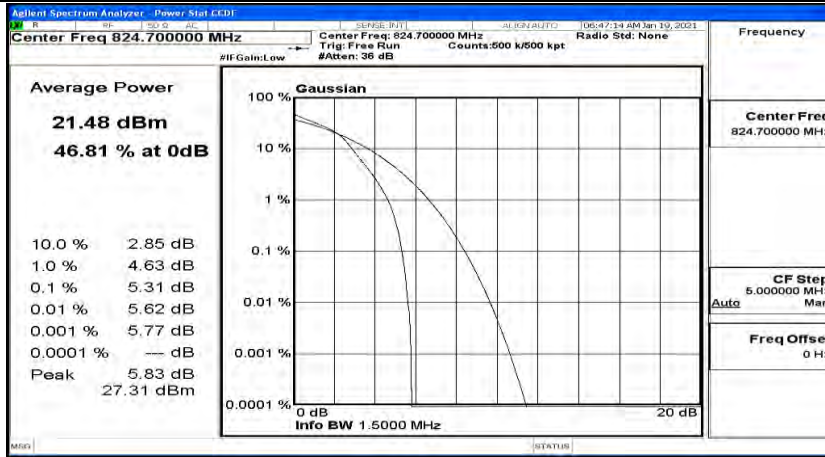
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



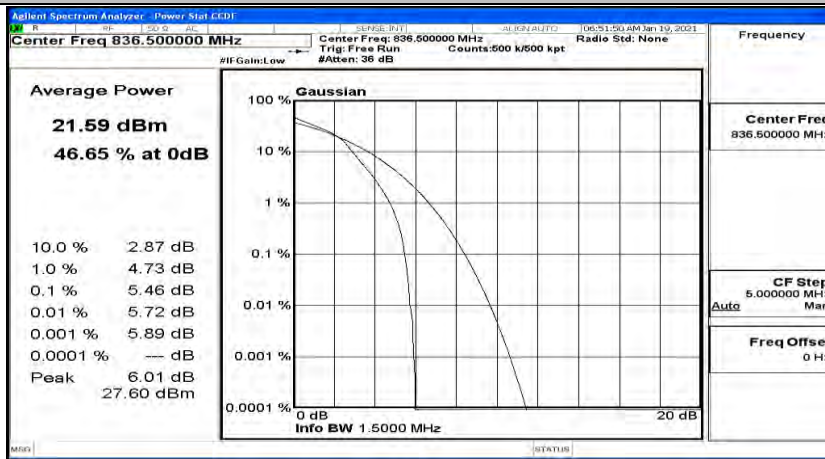
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



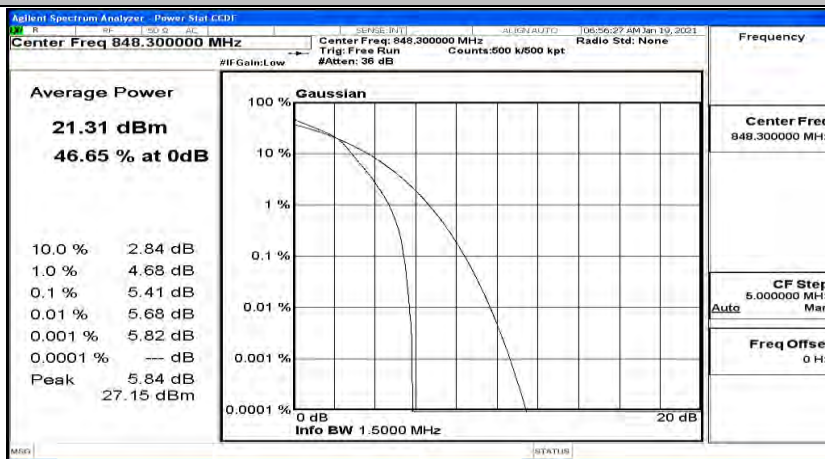
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



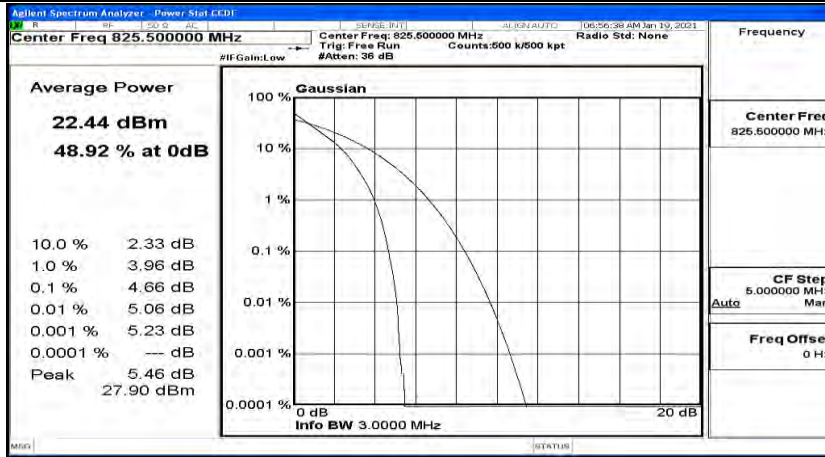
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



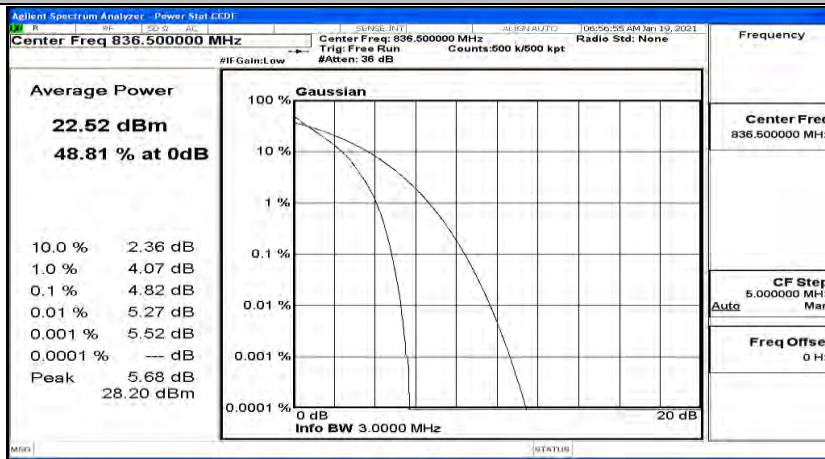
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



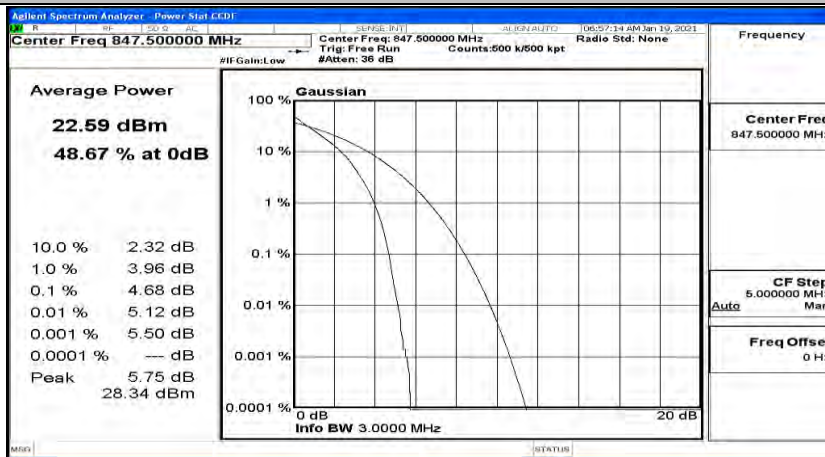
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



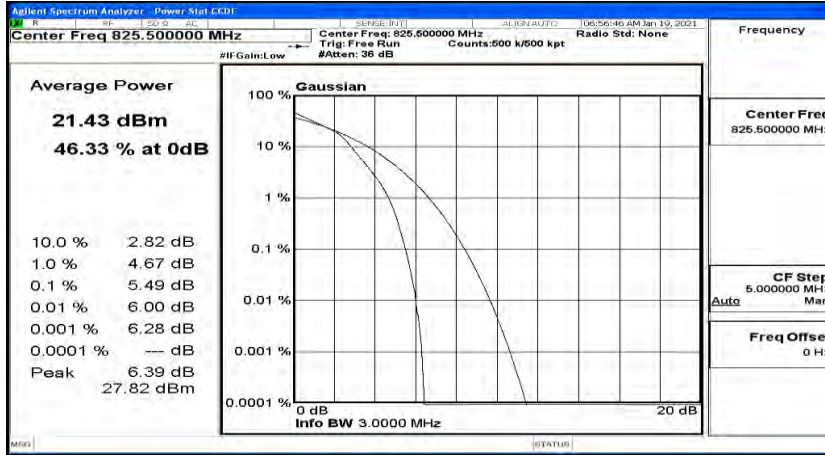
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



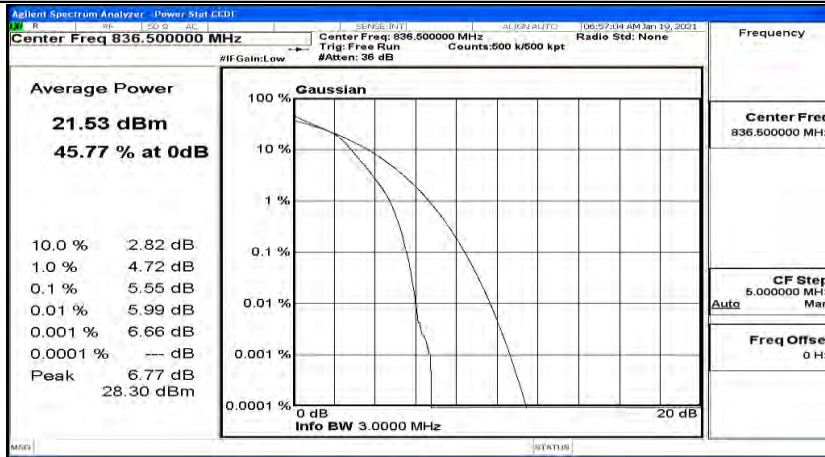
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



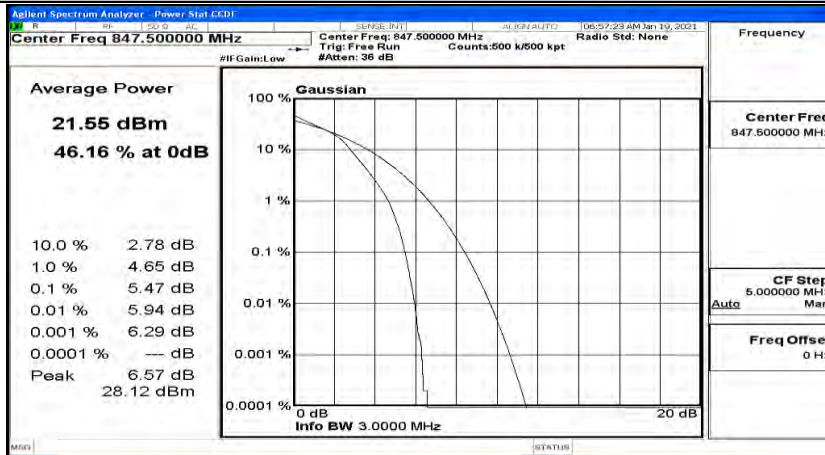
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



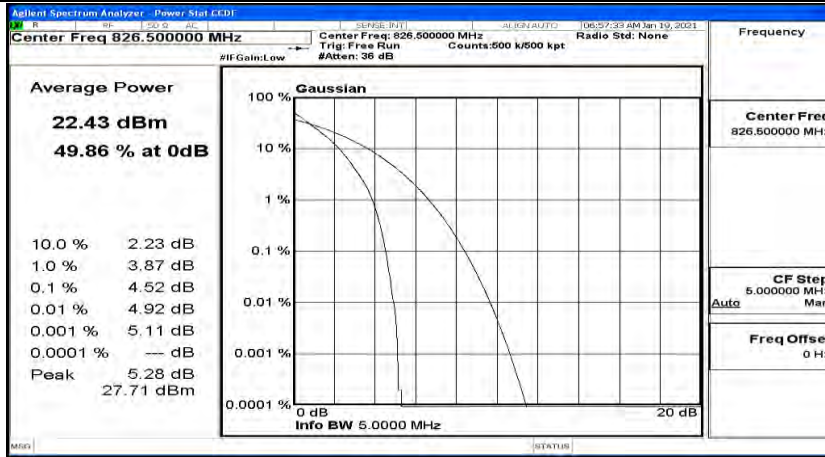
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



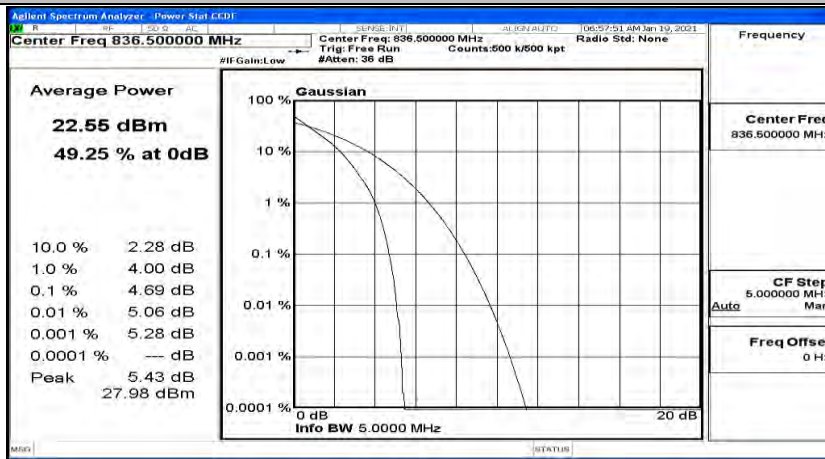
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



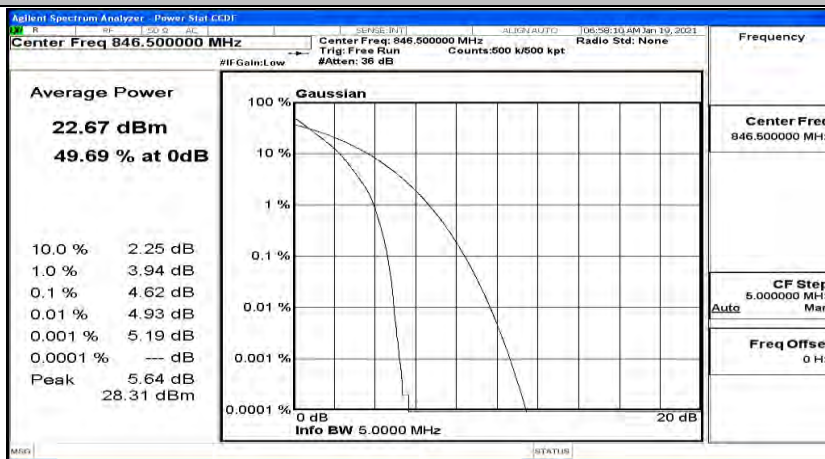
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



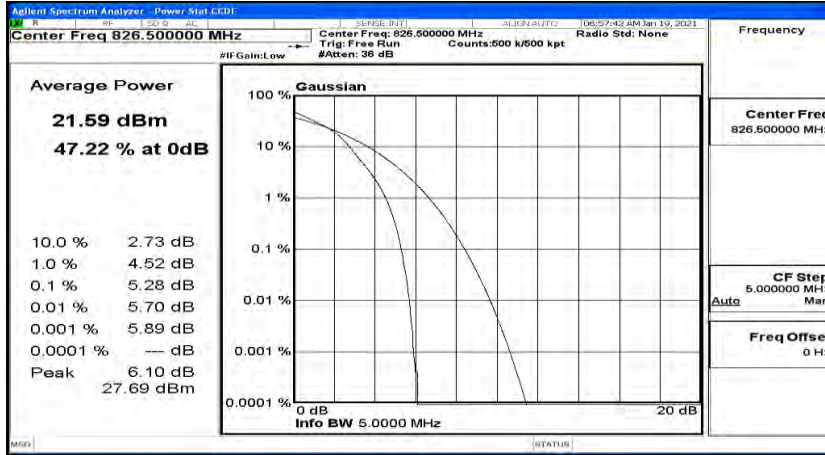
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



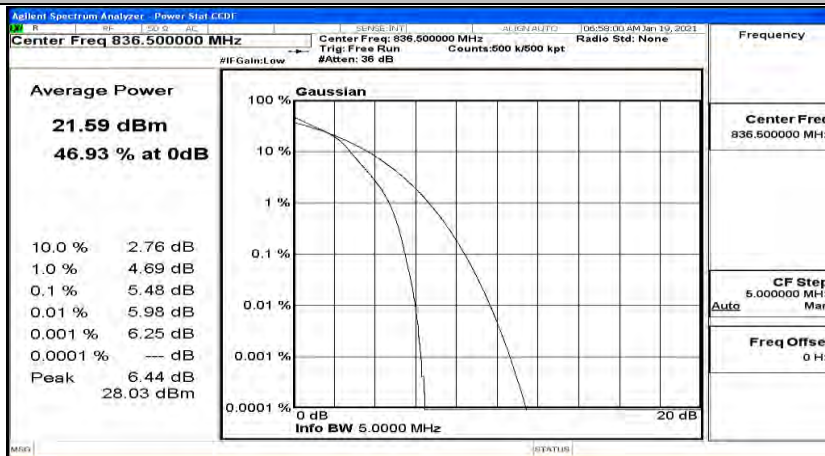
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



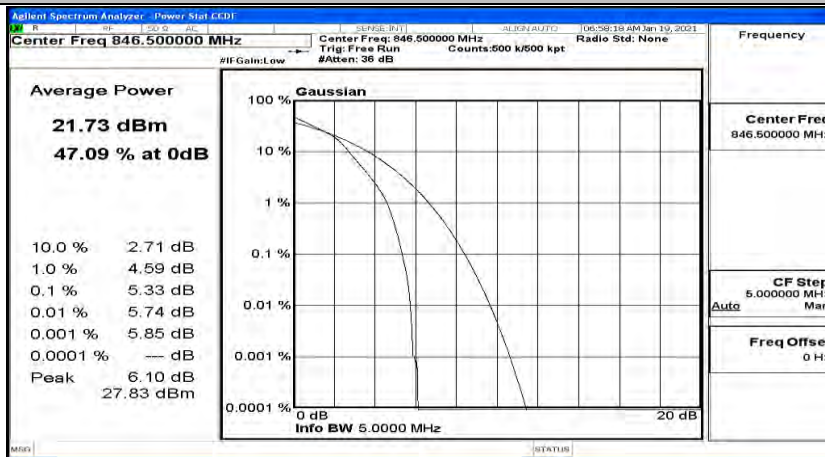
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



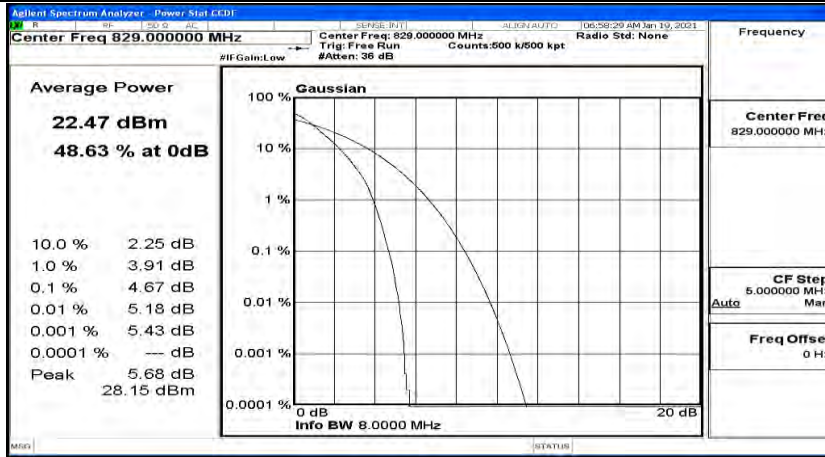
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



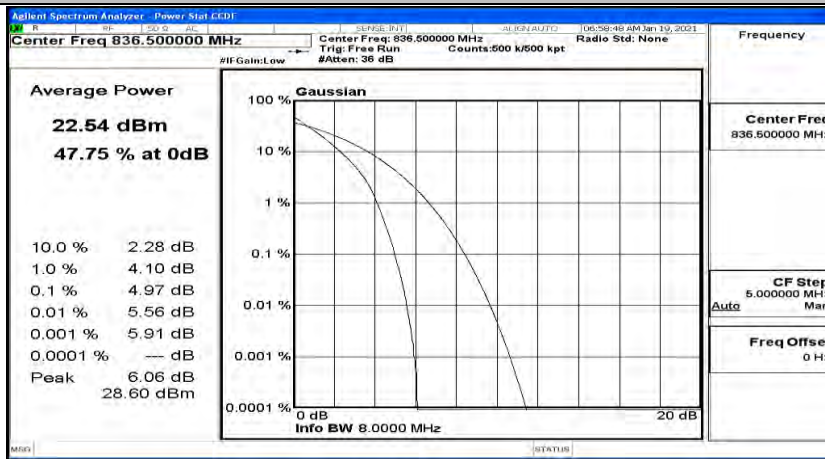
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



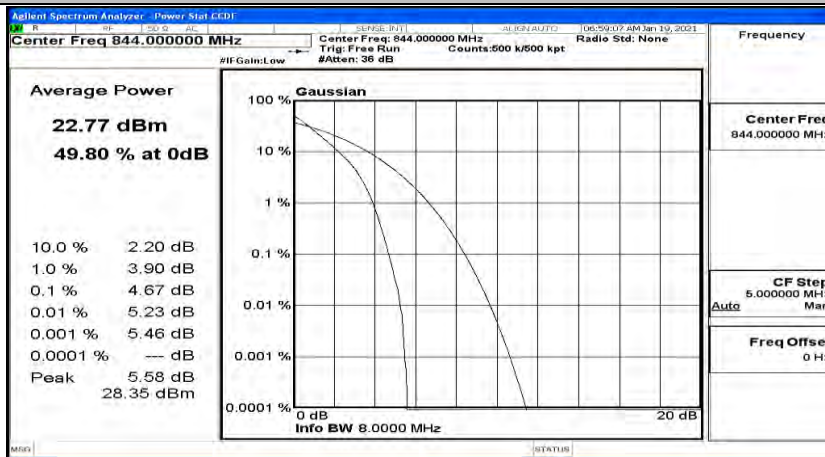
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz) _LCH_QPSK



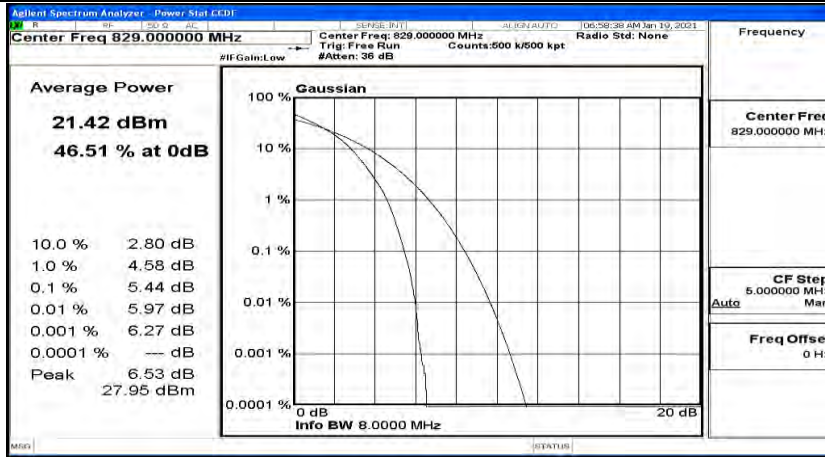
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz) _MCH_QPSK



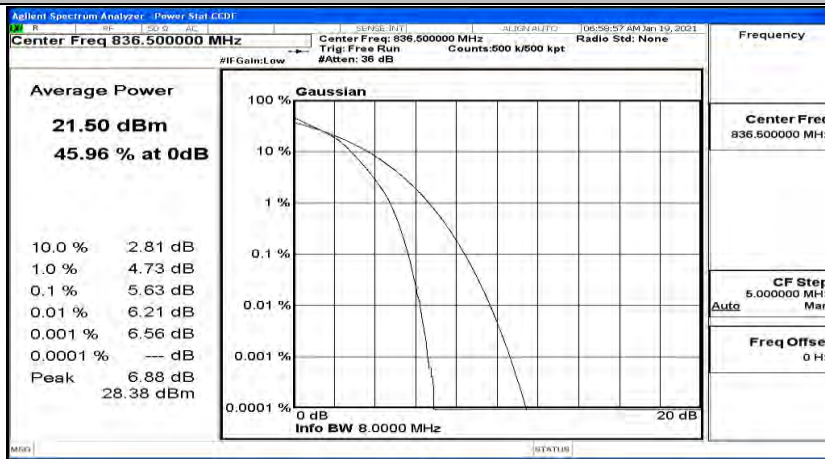
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz) _HCH_QPSK



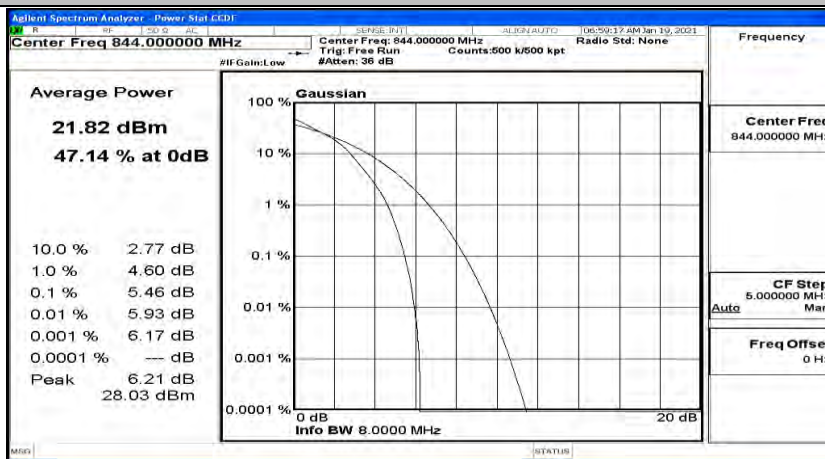
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



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



H.3 26dB Bandwidth and Occupied Bandwidth

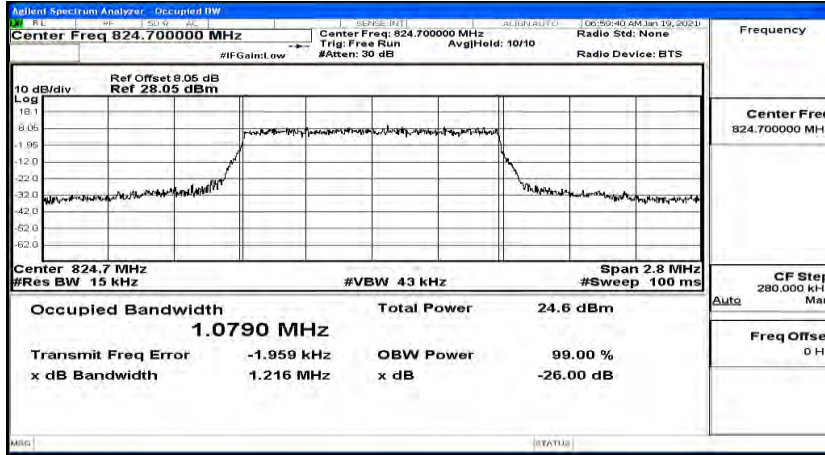
EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	1.0790	1.216	PASS
	MCH	1.0794	1.241	PASS
	HCH	1.0781	1.243	PASS
16QAM	LCH	1.0794	1.232	PASS
	MCH	1.0791	1.271	PASS
	HCH	1.0831	1.231	PASS

EBW & OBW Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	2.6830	2.896	PASS
	MCH	2.6819	2.888	PASS
	HCH	2.6808	2.892	PASS
16QAM	LCH	2.6834	2.907	PASS
	MCH	2.6886	2.897	PASS
	HCH	2.6848	2.894	PASS

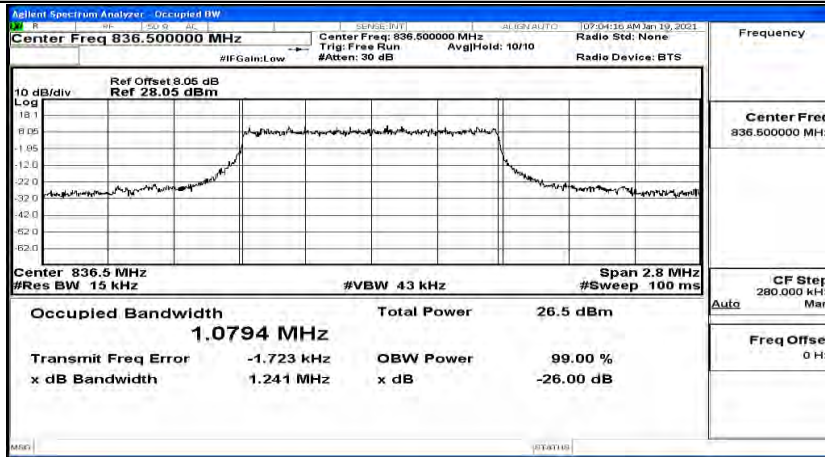
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4606	4.818	PASS
	MCH	4.4699	4.785	PASS
	HCH	4.4665	4.832	PASS
16QAM	LCH	4.4699	4.780	PASS
	MCH	4.4728	4.820	PASS
	HCH	4.4741	4.791	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9080	9.422	PASS
	MCH	8.9445	9.551	PASS
	HCH	8.9123	9.439	PASS
16QAM	LCH	8.8912	9.378	PASS
	MCH	8.9504	9.543	PASS
	HCH	8.8938	9.382	PASS

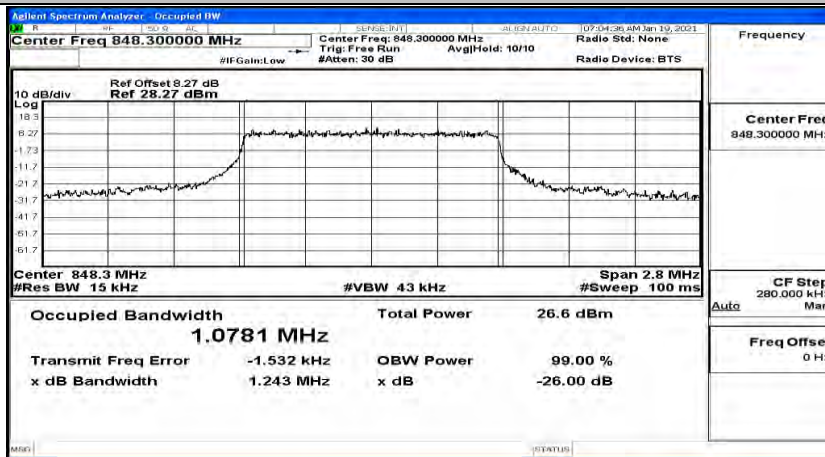
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



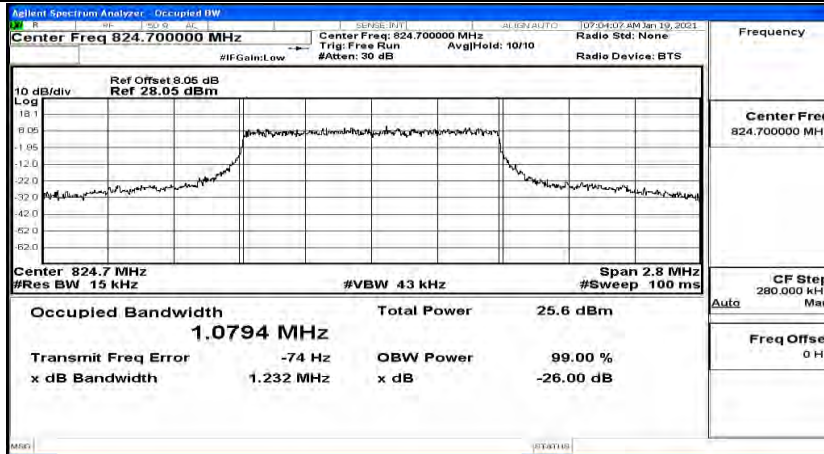
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



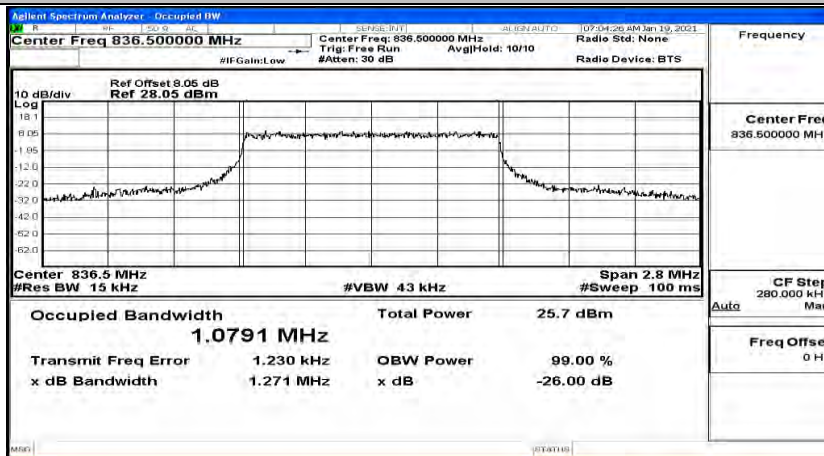
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



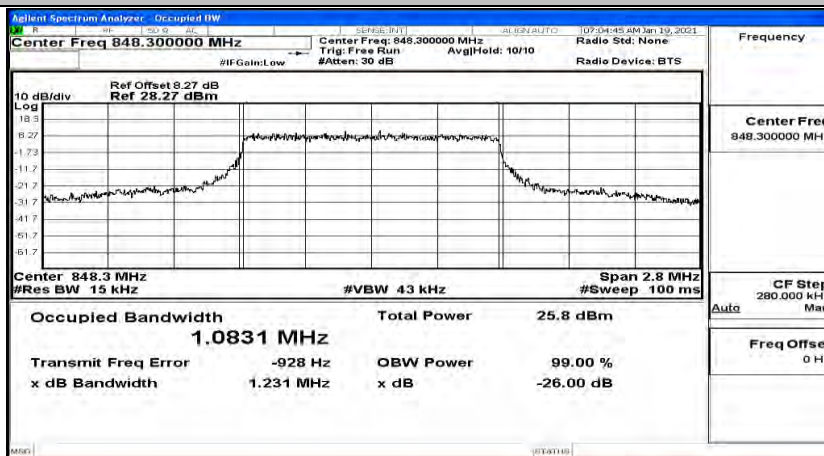
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz) LCH_16QAM



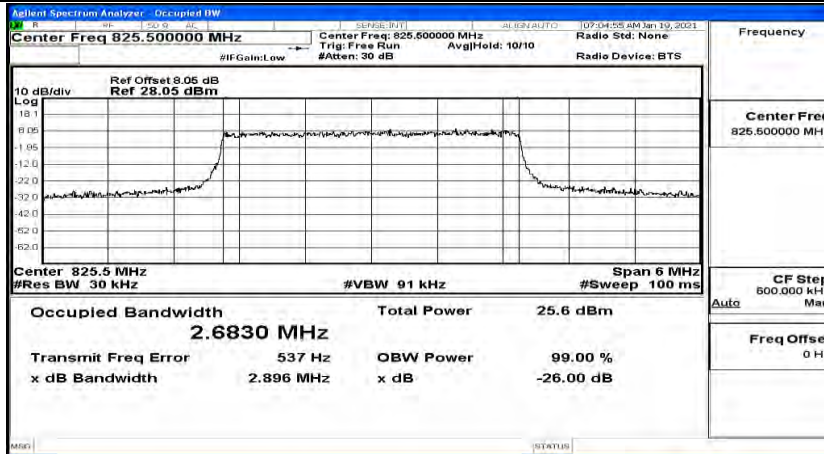
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz) MCH_16QAM



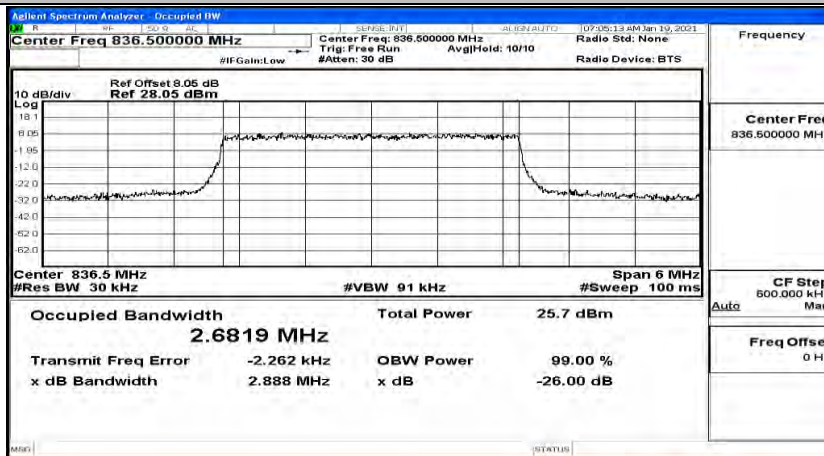
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz) HCH_16QAM



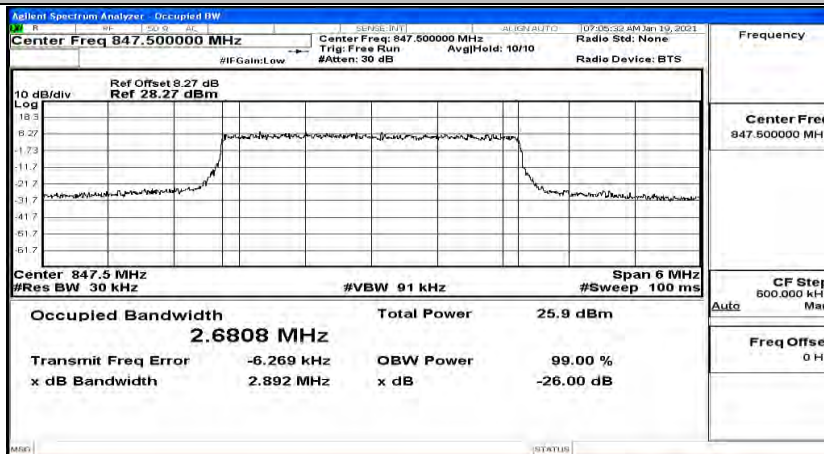
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



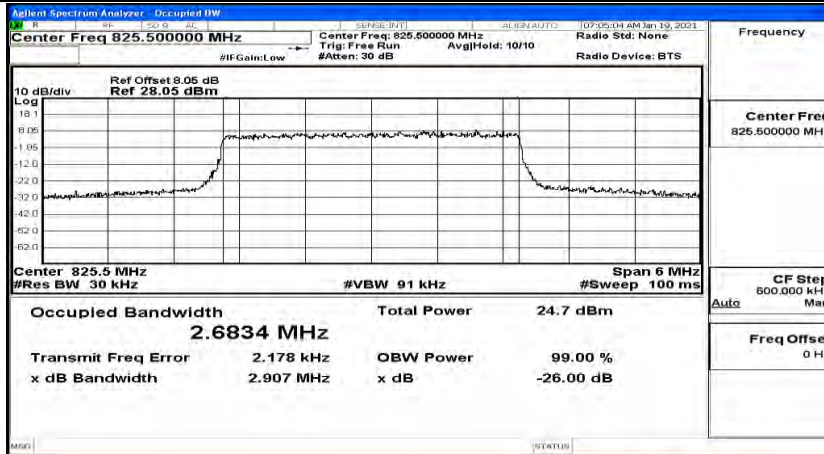
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



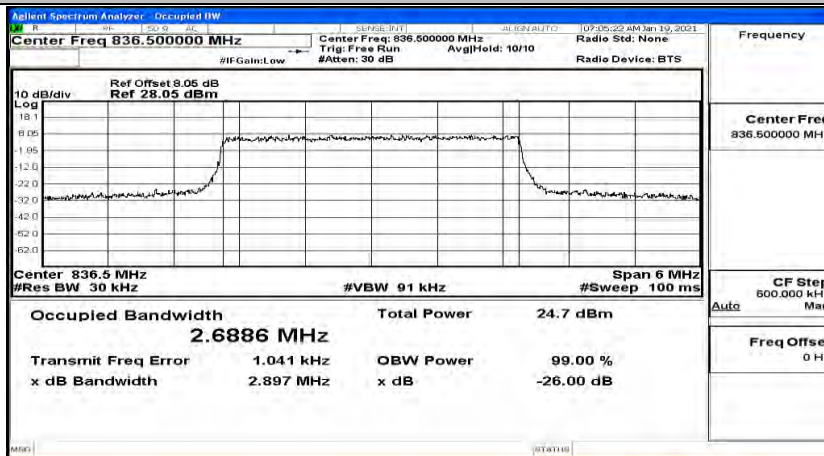
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



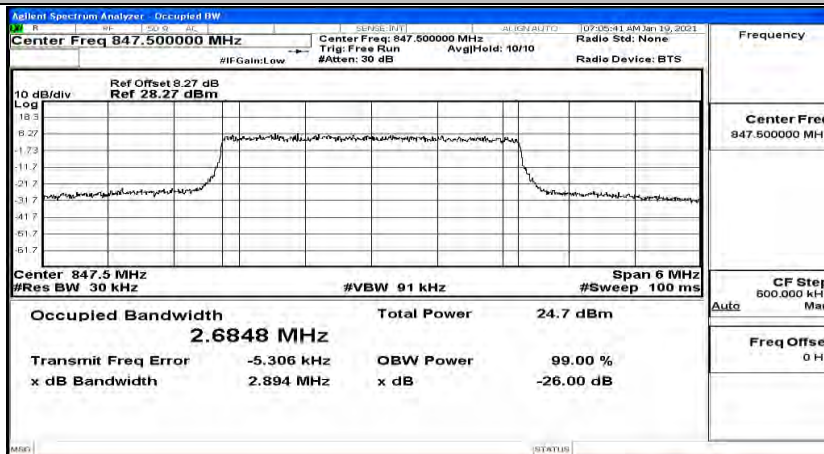
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



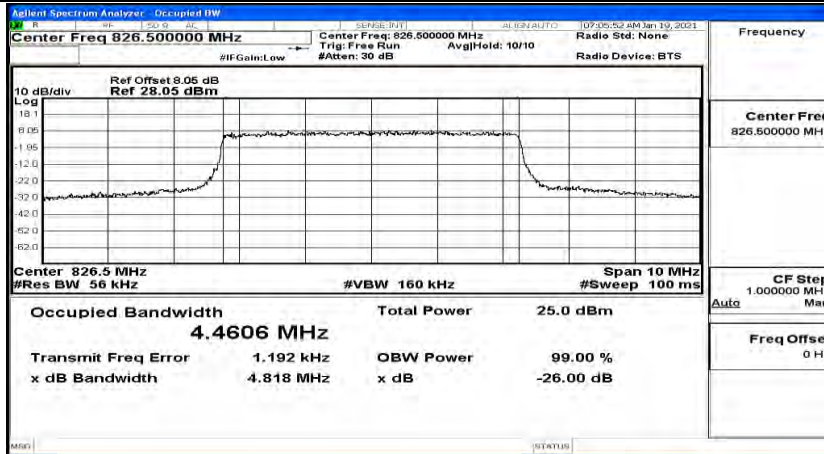
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



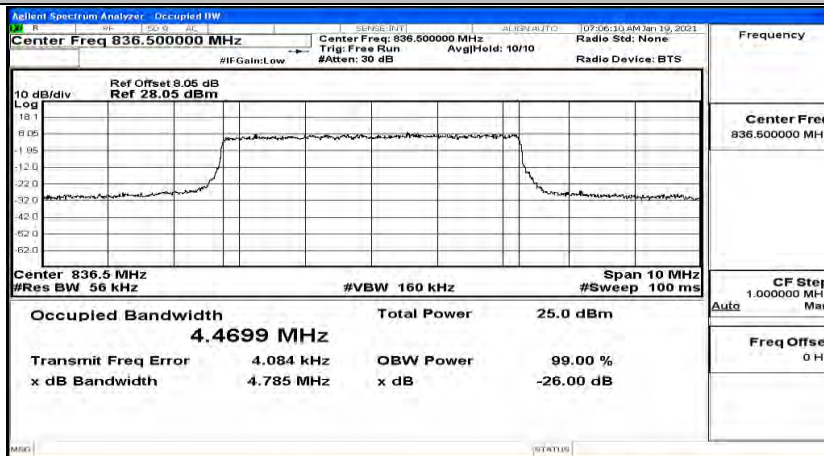
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



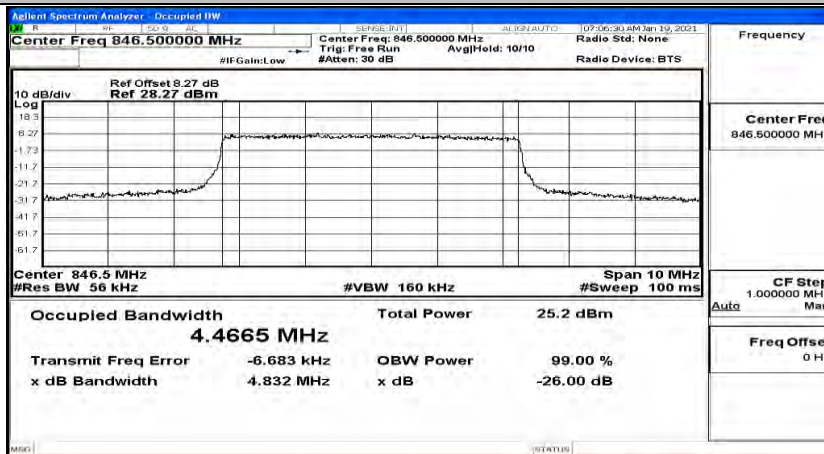
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



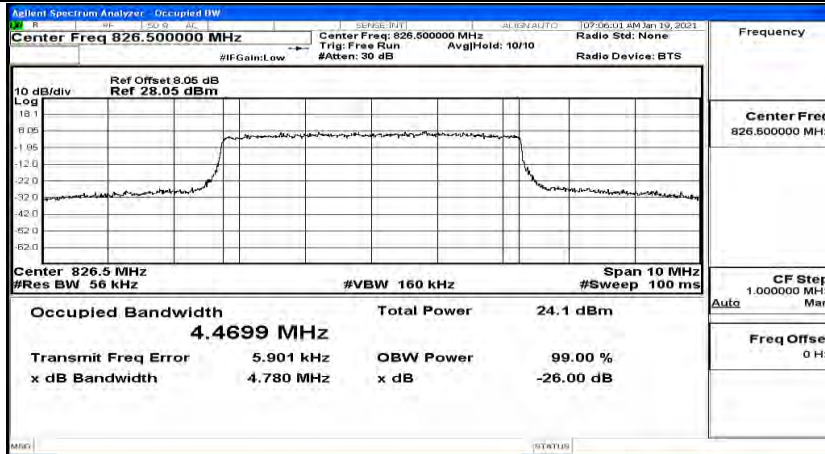
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



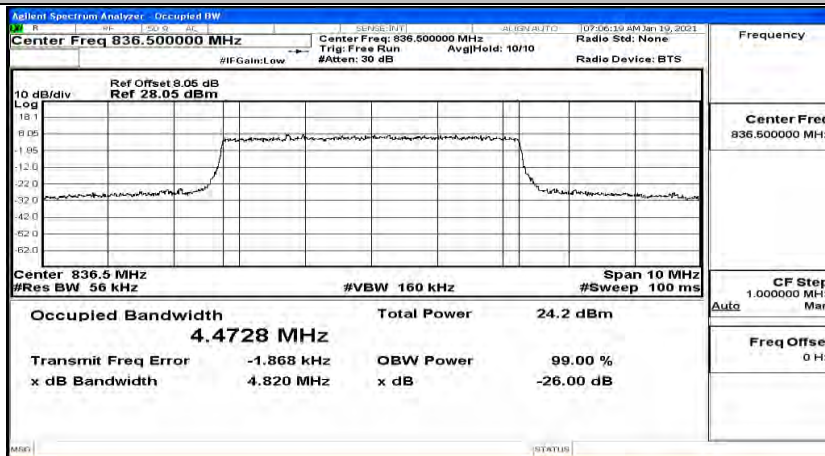
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



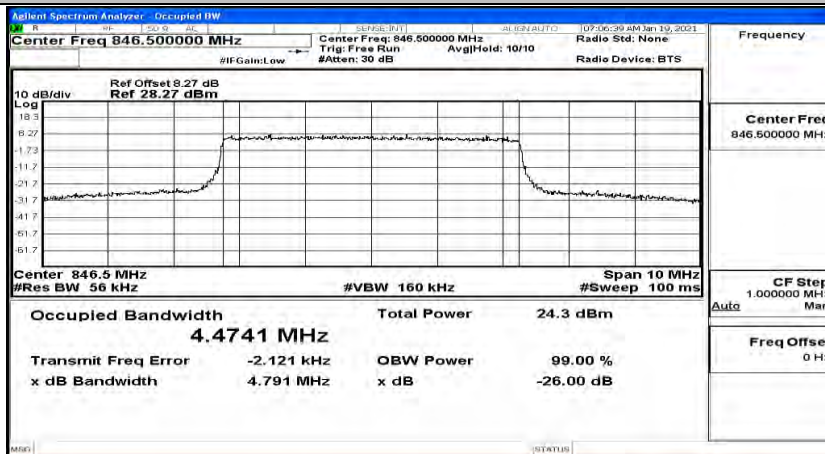
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz) LCH_16QAM



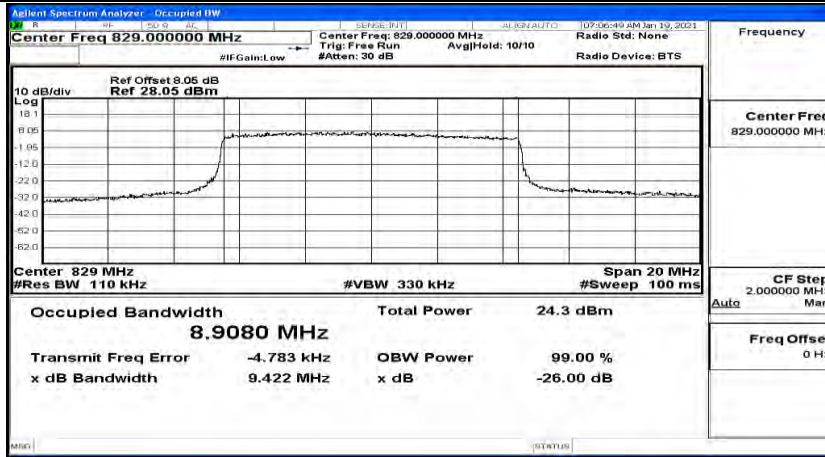
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz) MCH_16QAM



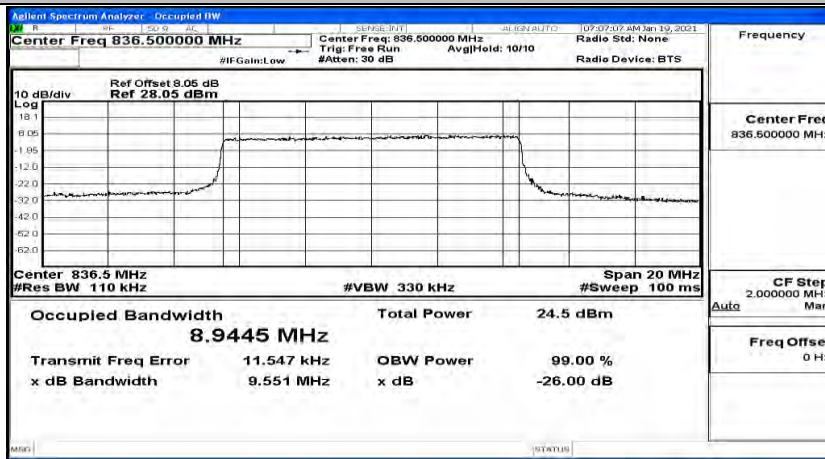
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz) HCH_16QAM



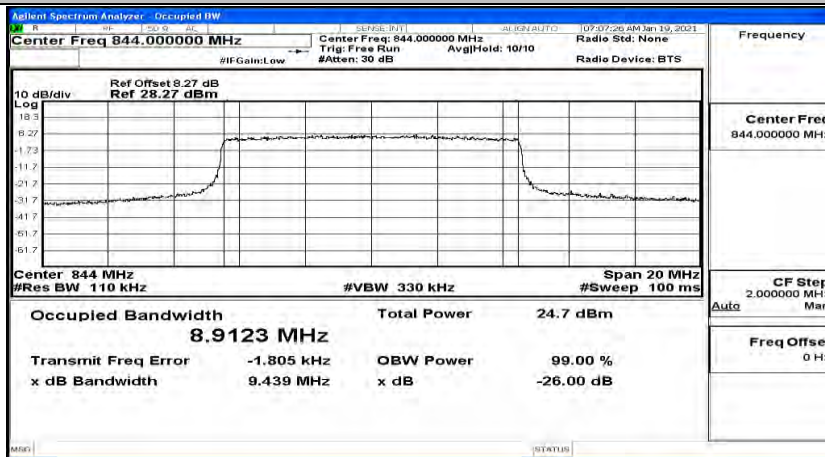
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



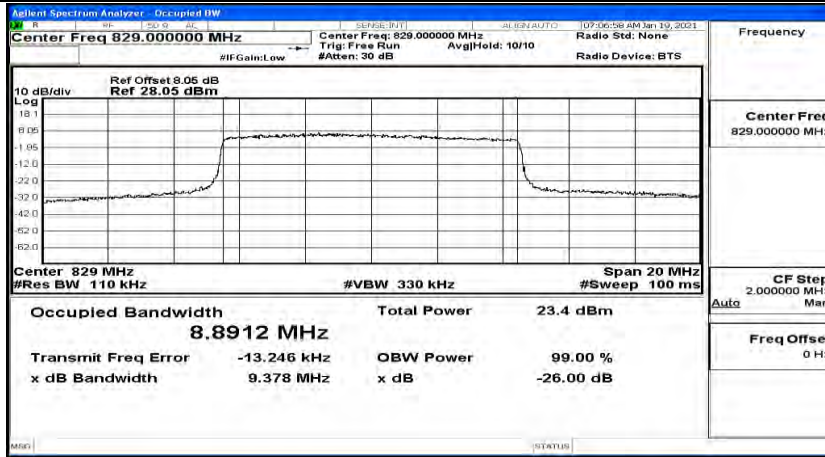
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



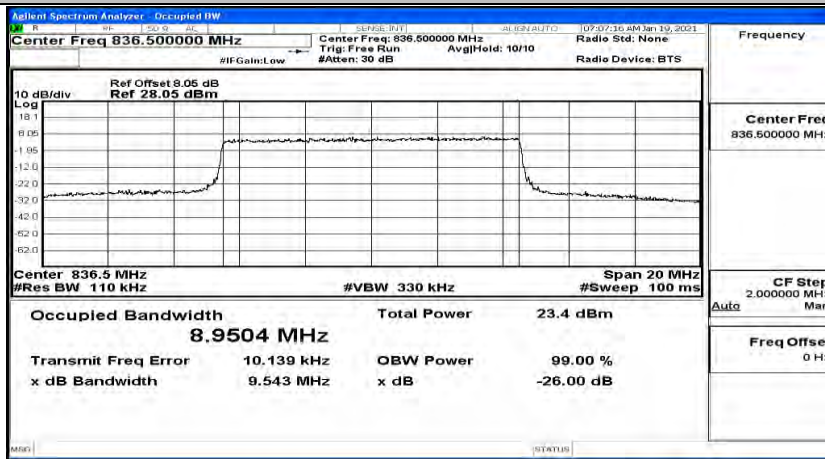
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



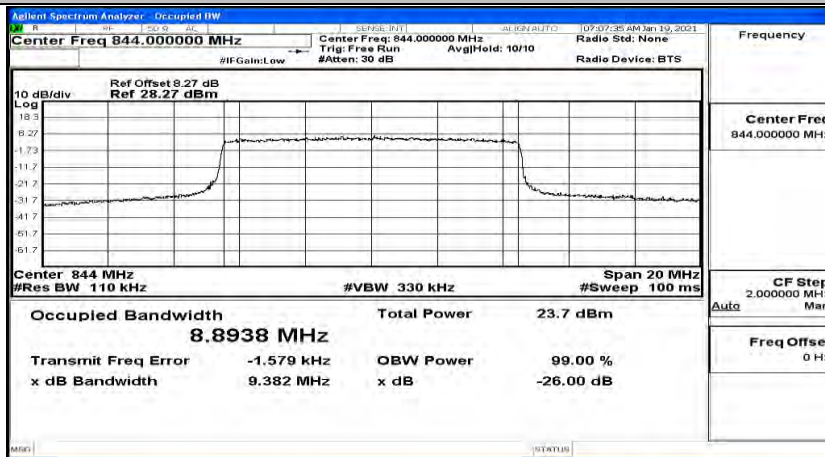
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



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

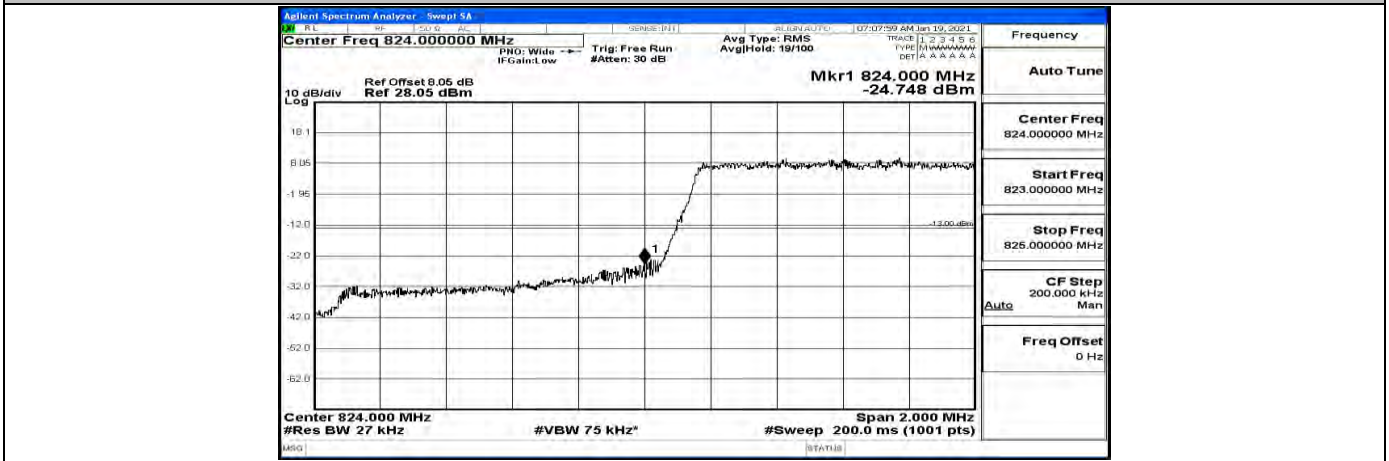


EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM

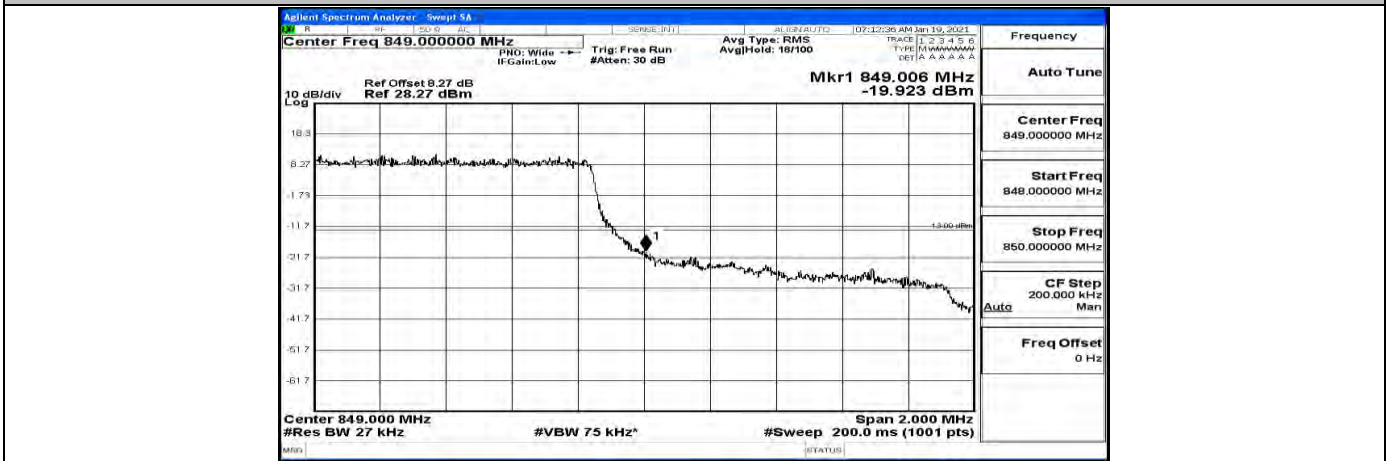


H.4 Band Edge

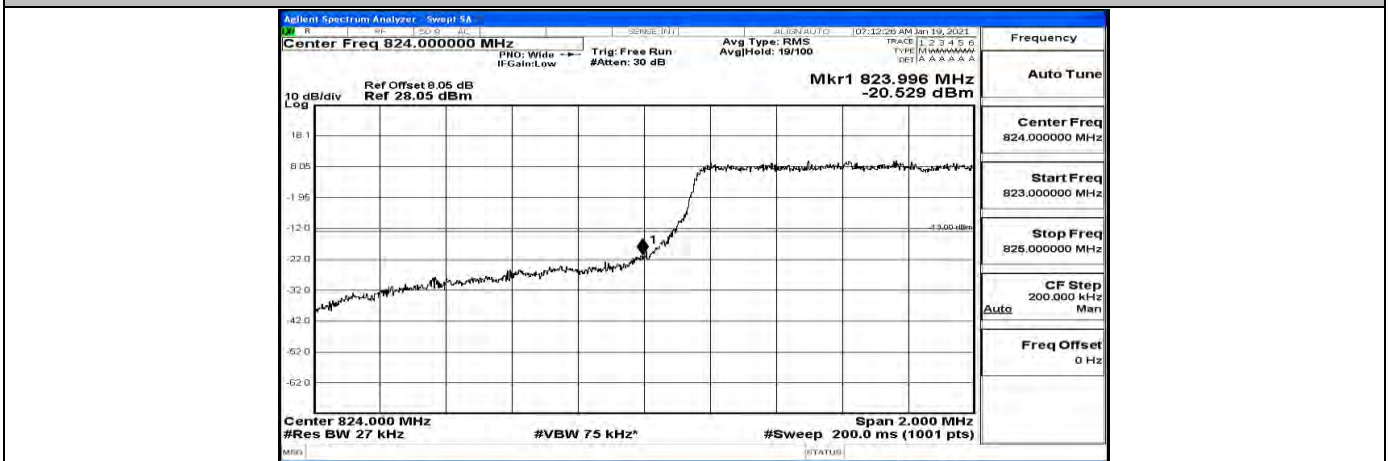
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



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



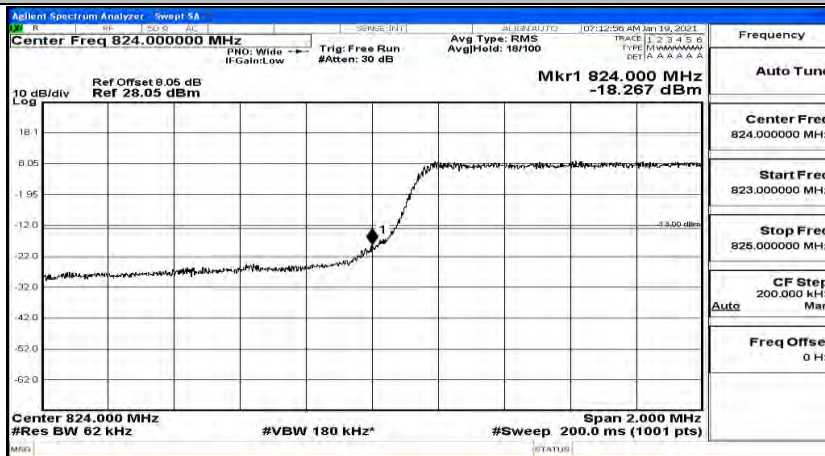
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



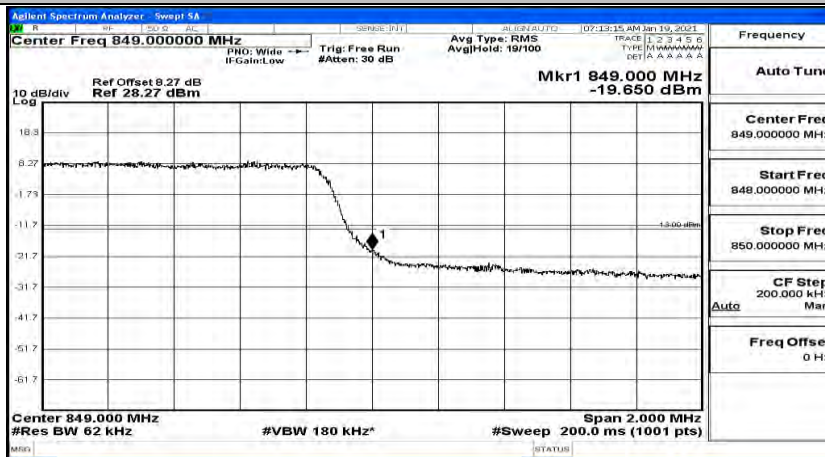
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



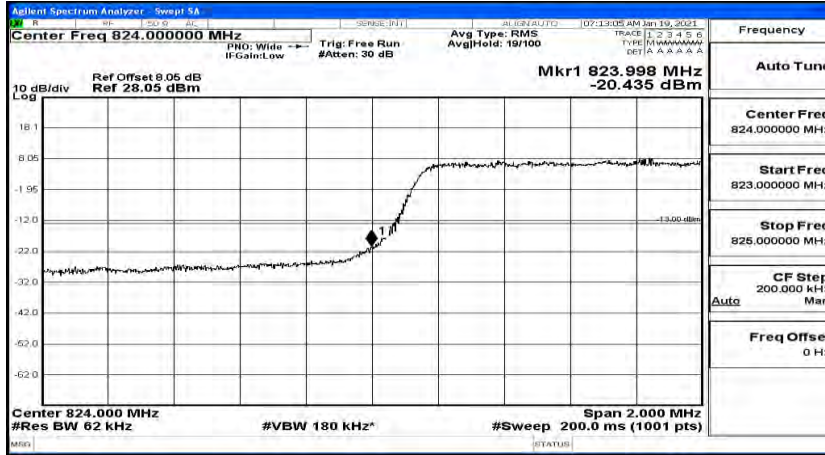
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



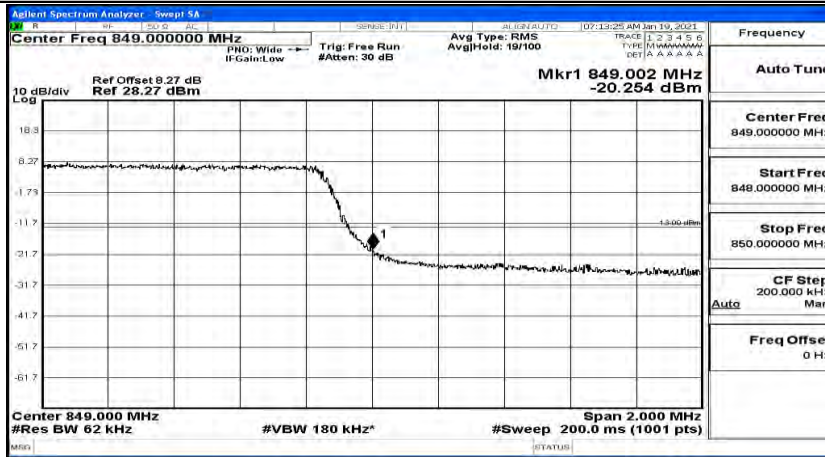
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



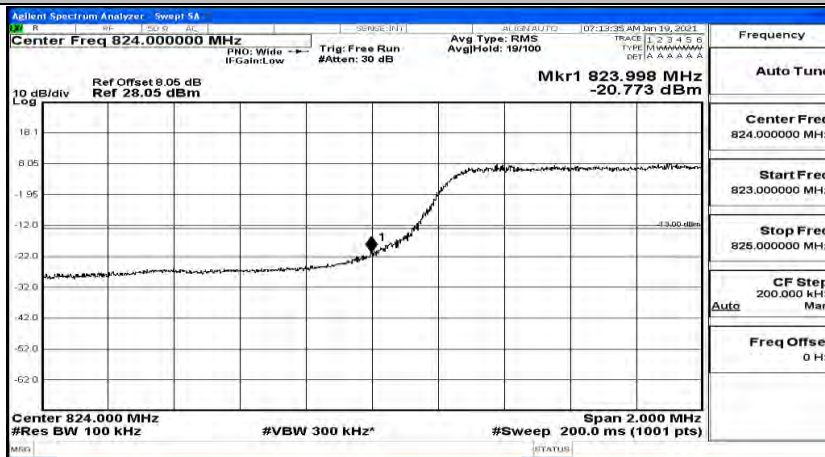
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



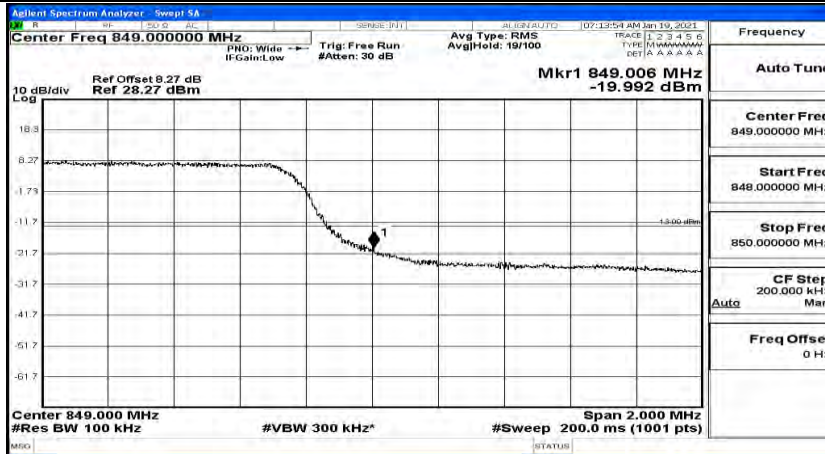
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



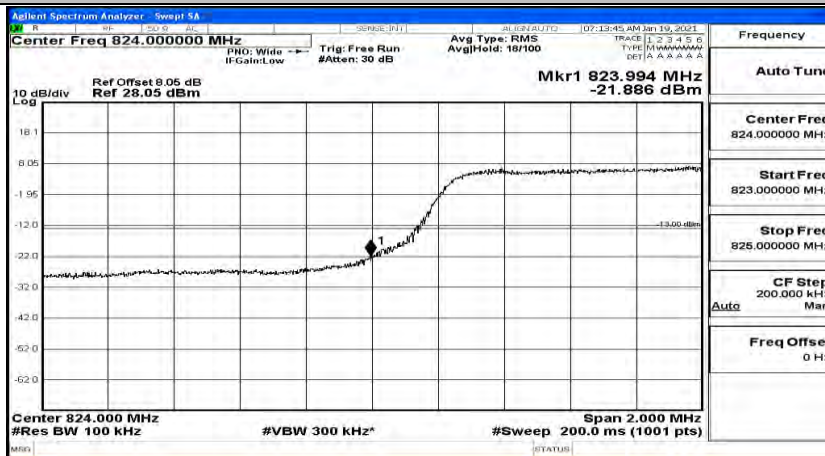
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



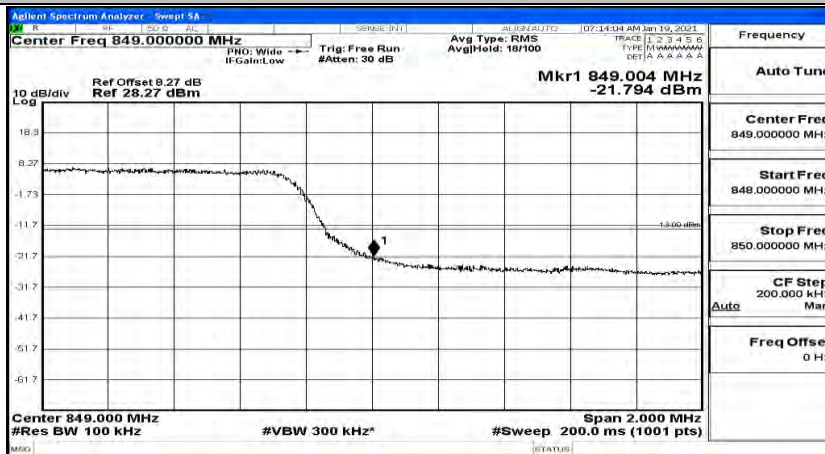
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



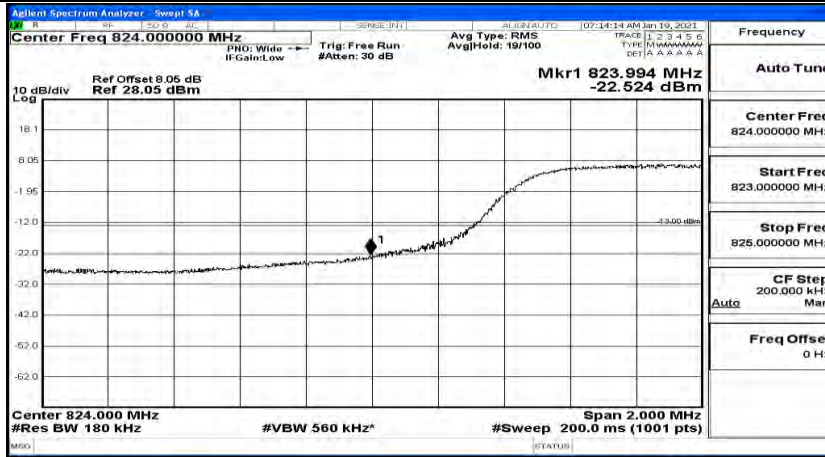
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



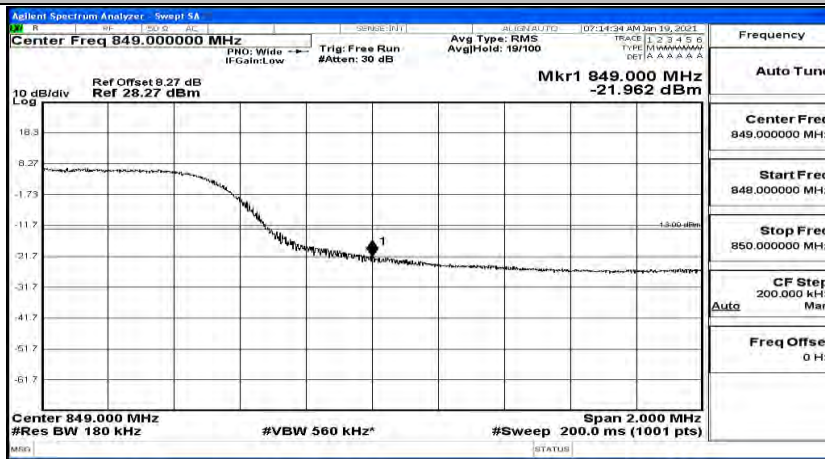
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



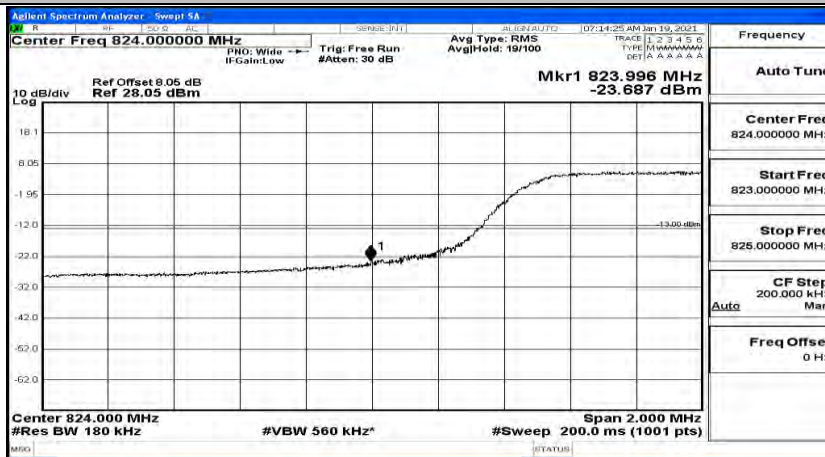
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



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



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

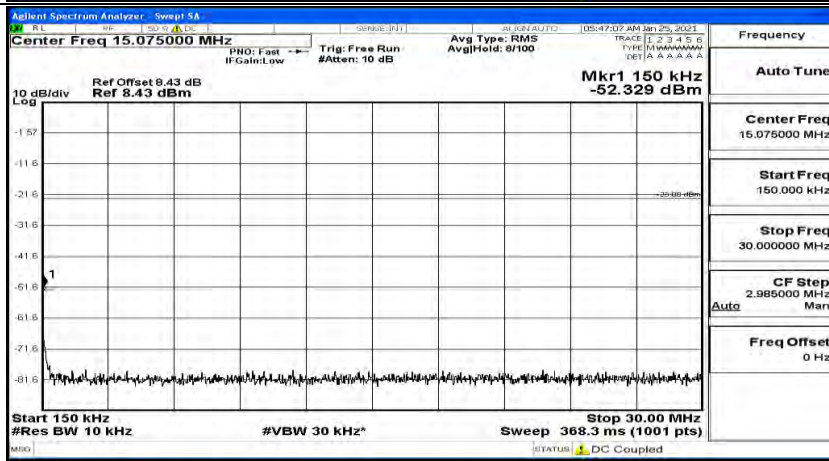
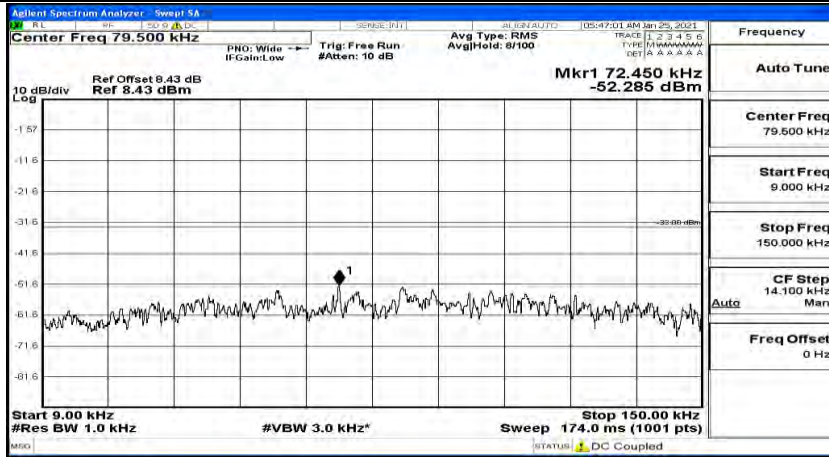


H.5 Conducted Spurious Emission

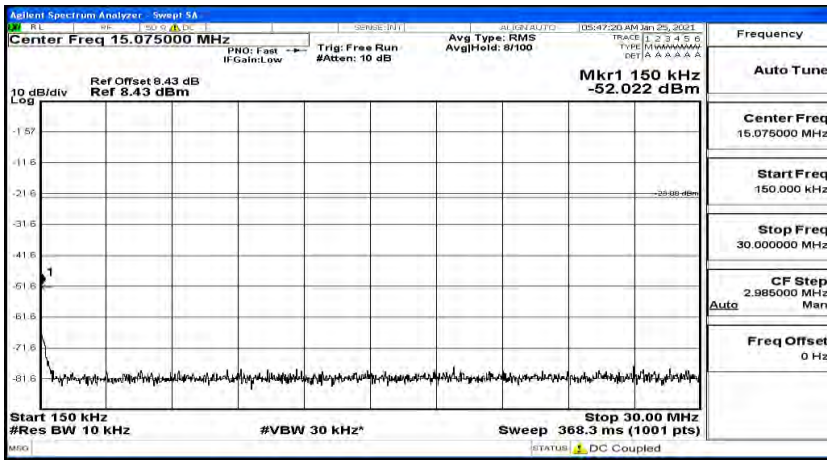
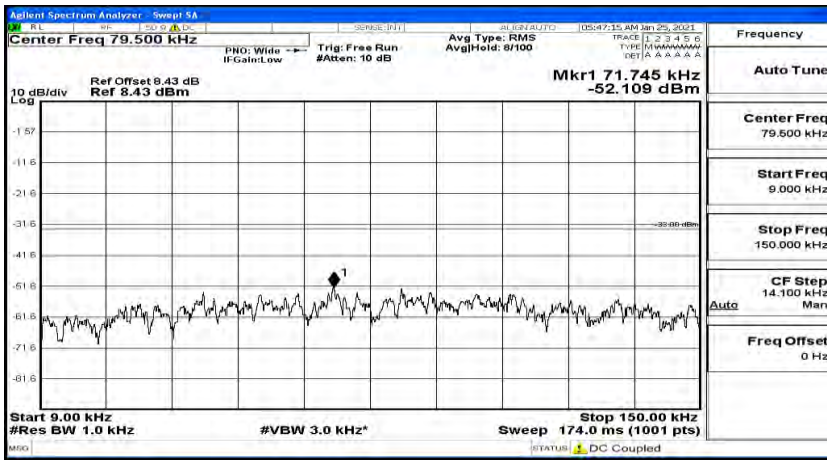
Test Graphs

Channel Bandwidth: 1.4 MHz

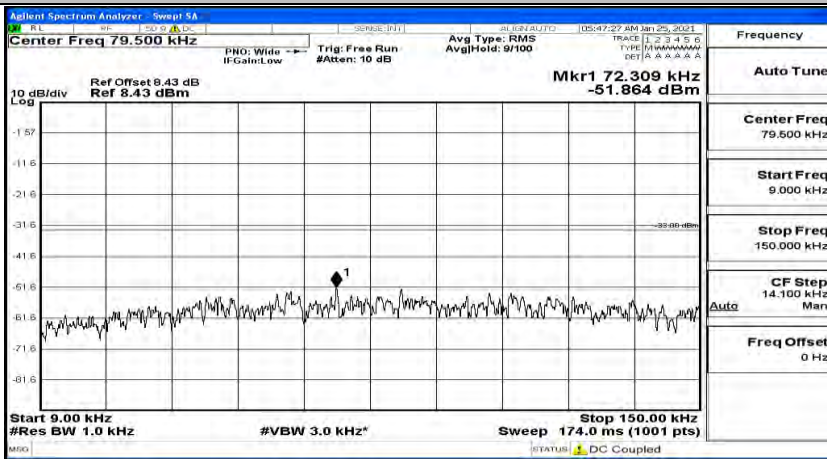
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0

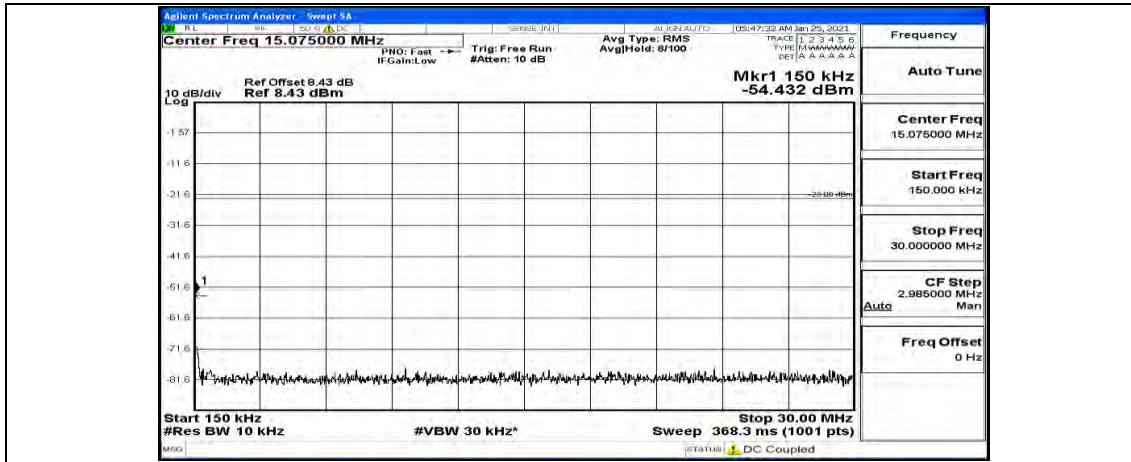


(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3

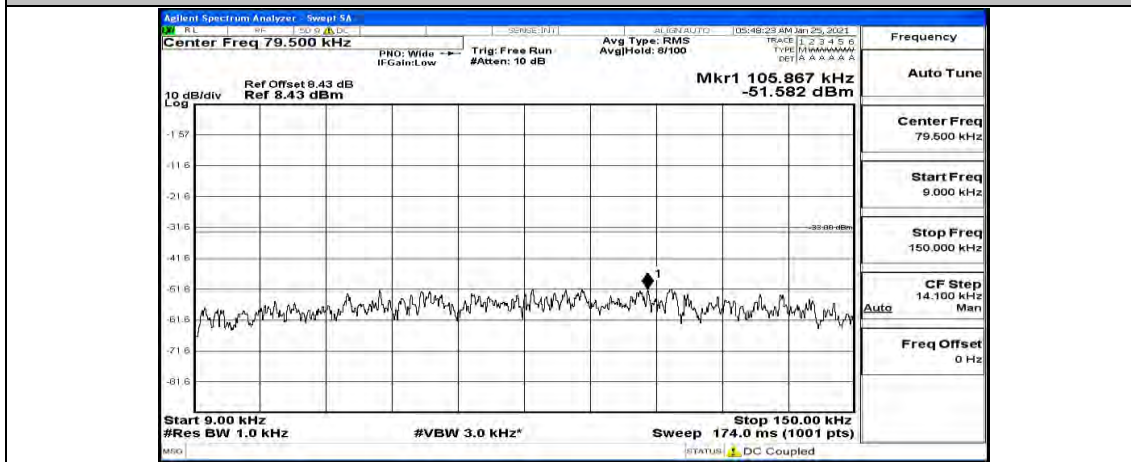


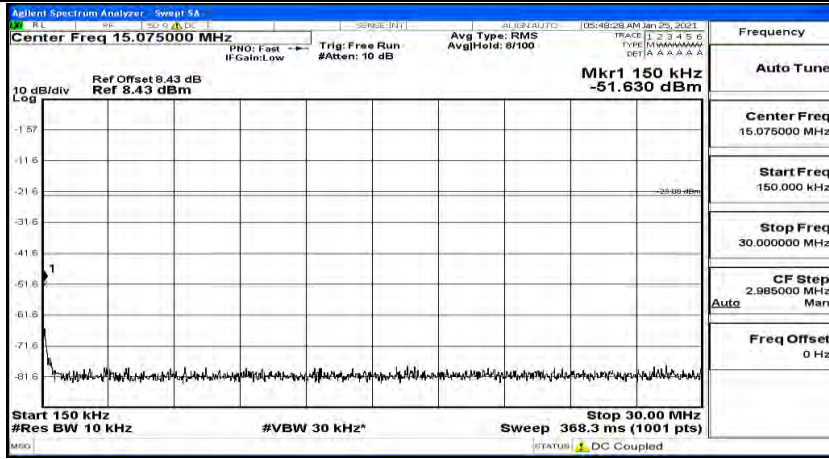
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5



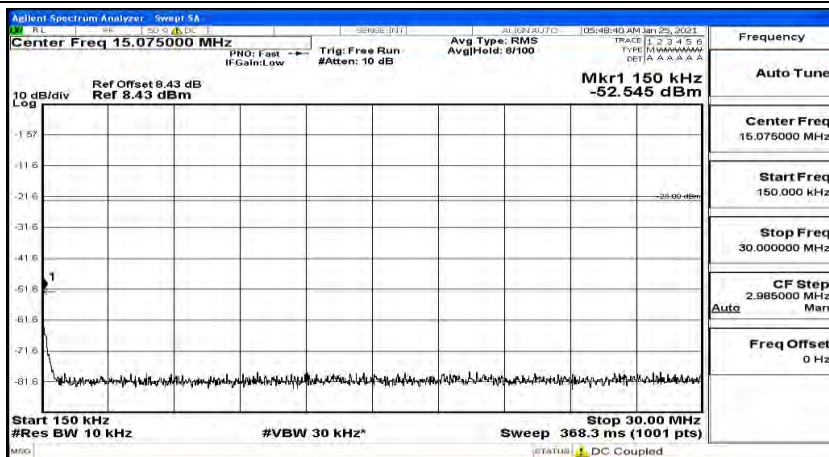


(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0



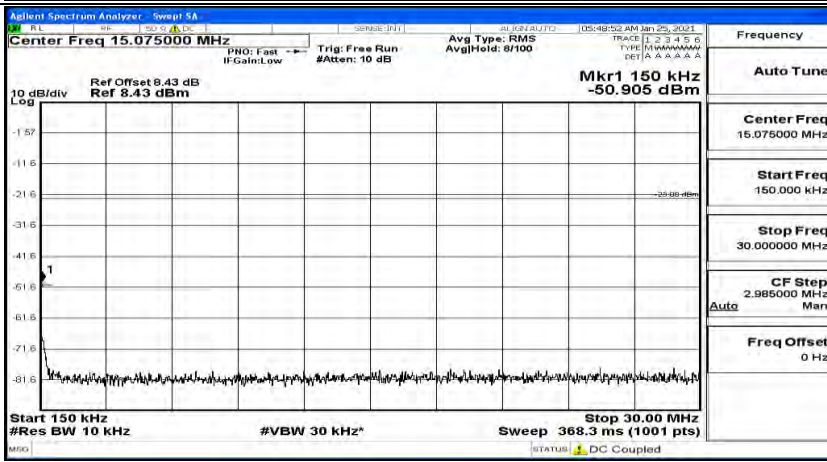
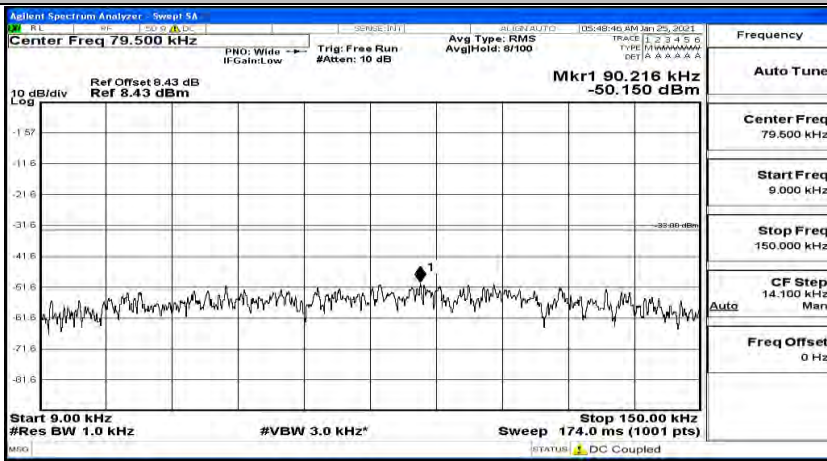


(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3

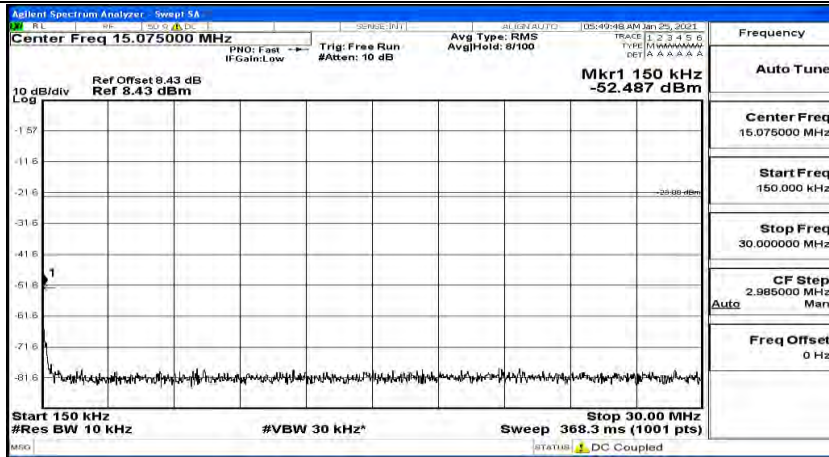
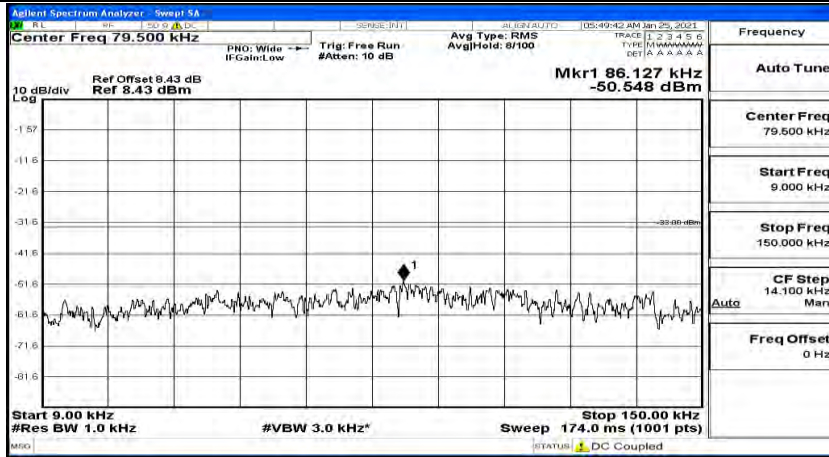




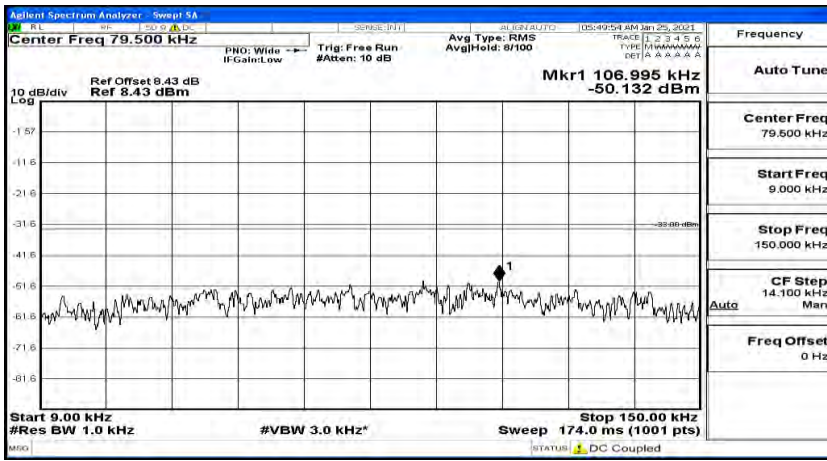
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5



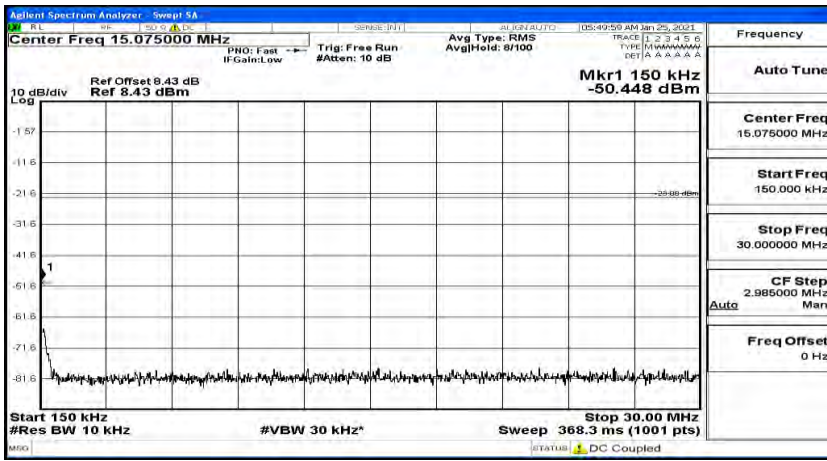
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3



Frequency	Auto Tune
Center Freq	79.500 kHz
Start Freq	9.000 kHz
Stop Freq	150.000 kHz
CF Step	14.100 kHz Man
Freq Offset	0 Hz

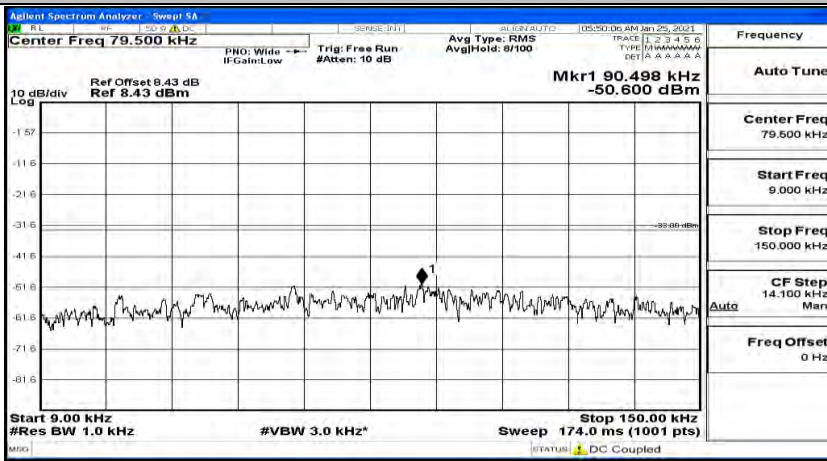


Frequency	Auto Tune
Center Freq	15.075000 MHz
Start Freq	150.000 kHz
Stop Freq	30.000000 MHz
CF Step	2.985000 MHz Man
Freq Offset	0 Hz

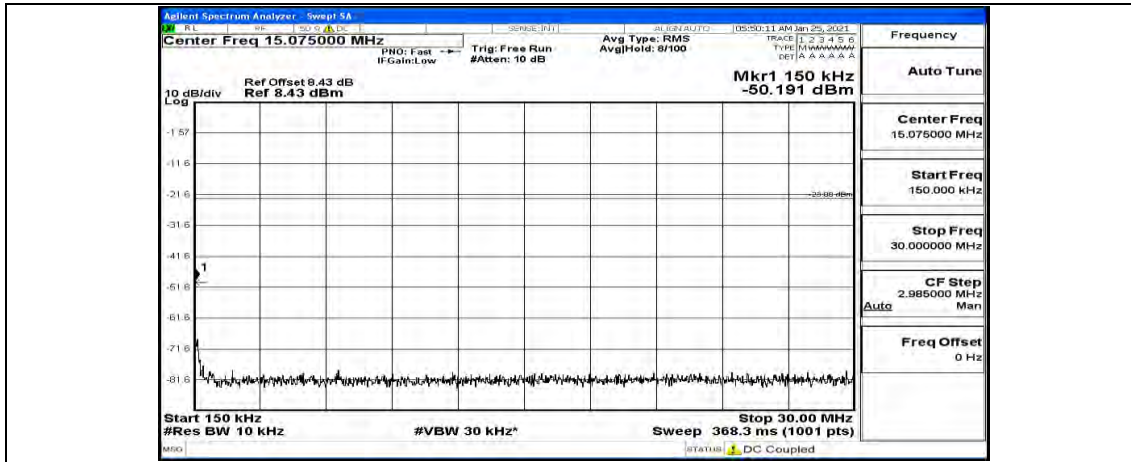


Frequency	Auto Tune
Center Freq	13.015000000 GHz
Start Freq	30.000000 MHz
Stop Freq	26.000000000 GHz
CF Step	2.597000000 GHz Man
Freq Offset	0 Hz

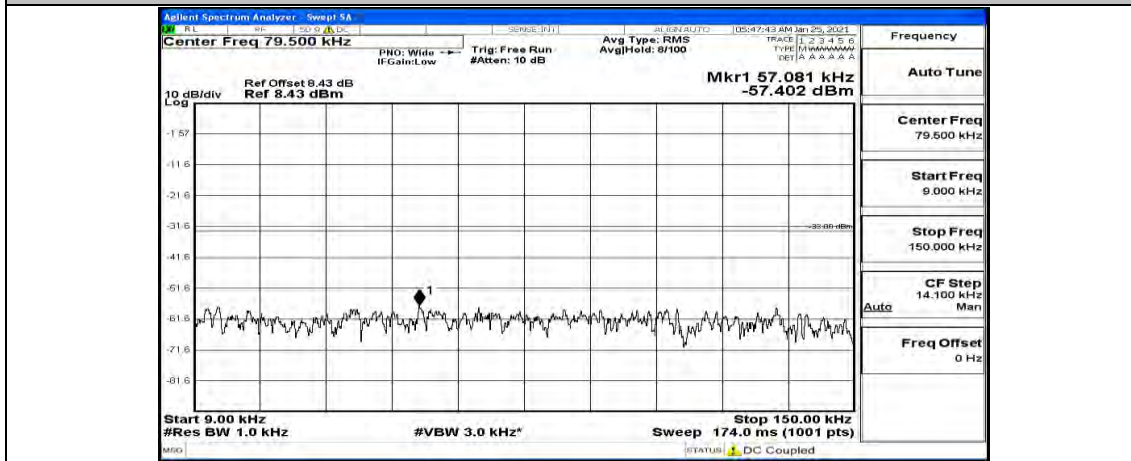
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5

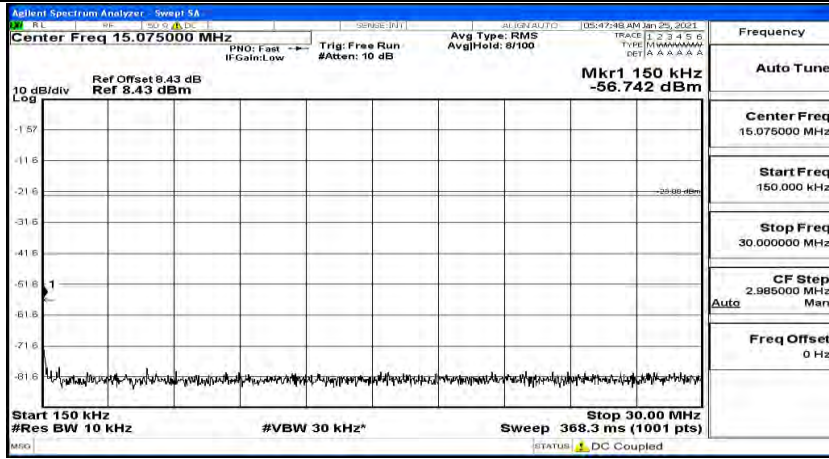


Frequency	Auto Tune
Center Freq	79.500 kHz
Start Freq	9.000 kHz
Stop Freq	150.000 kHz
CF Step	14.100 kHz Man
Freq Offset	0 Hz

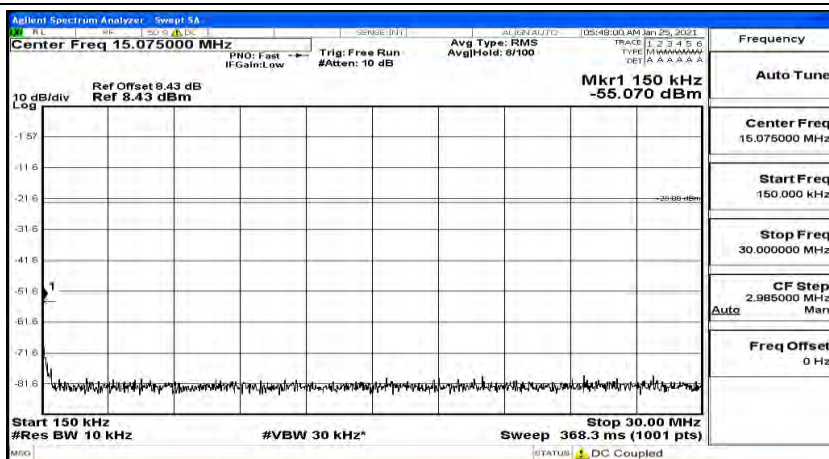
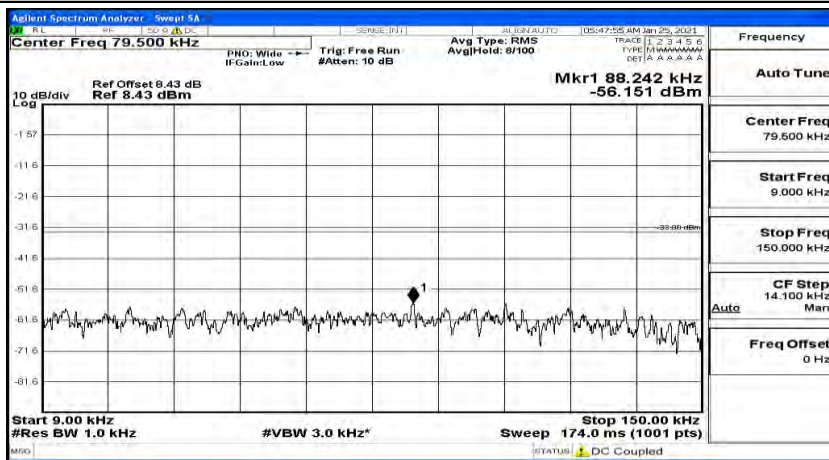


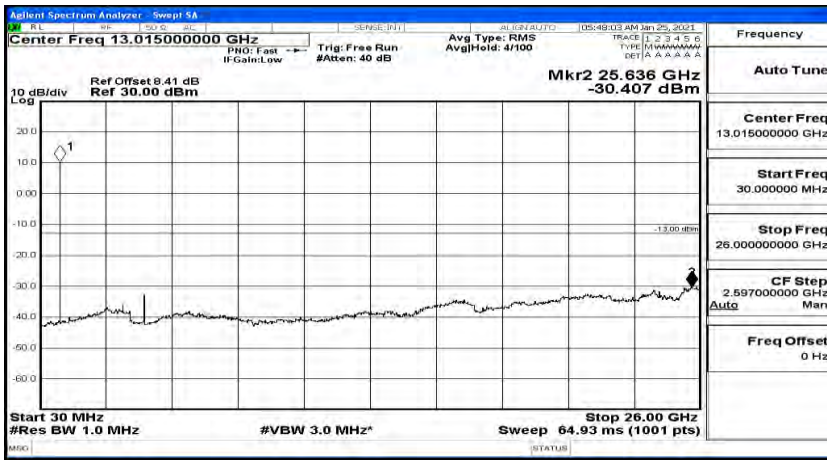
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0



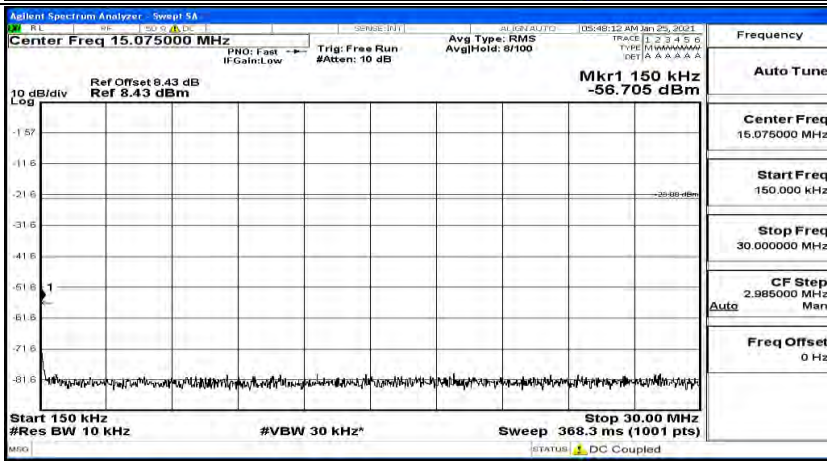
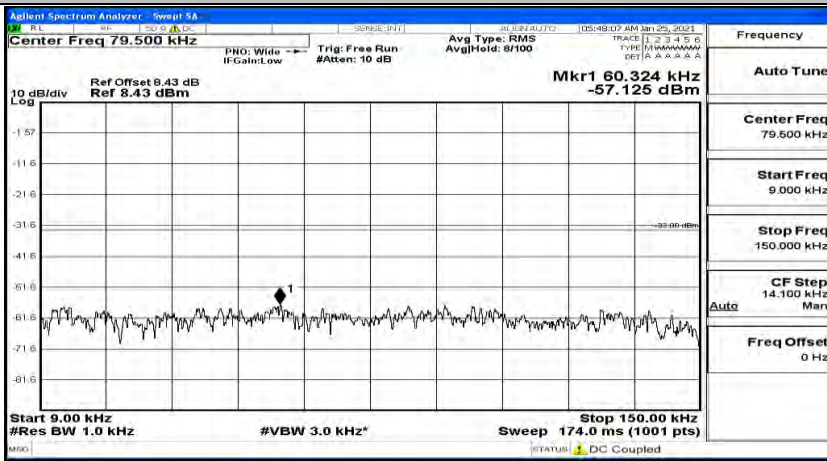


(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3

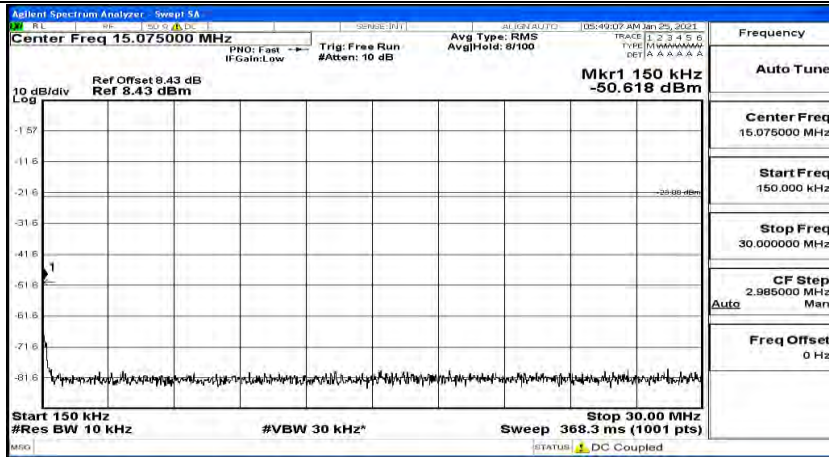
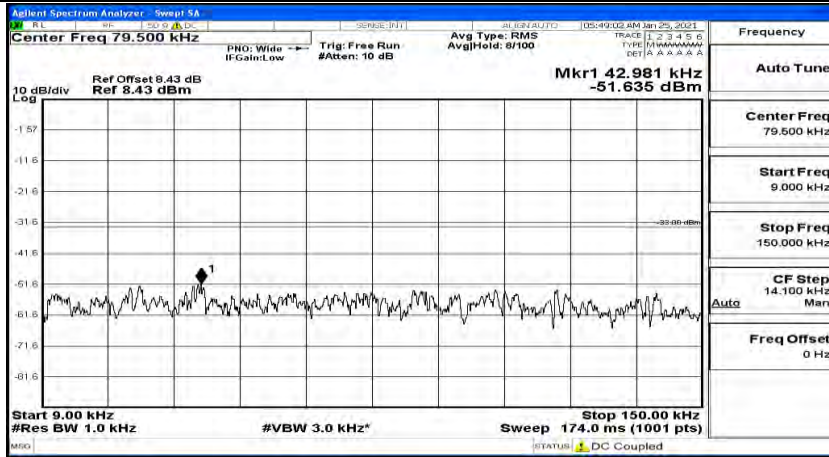




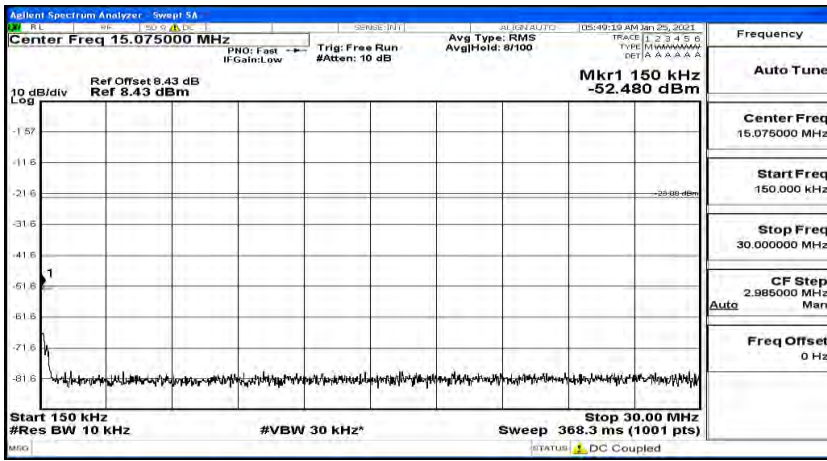
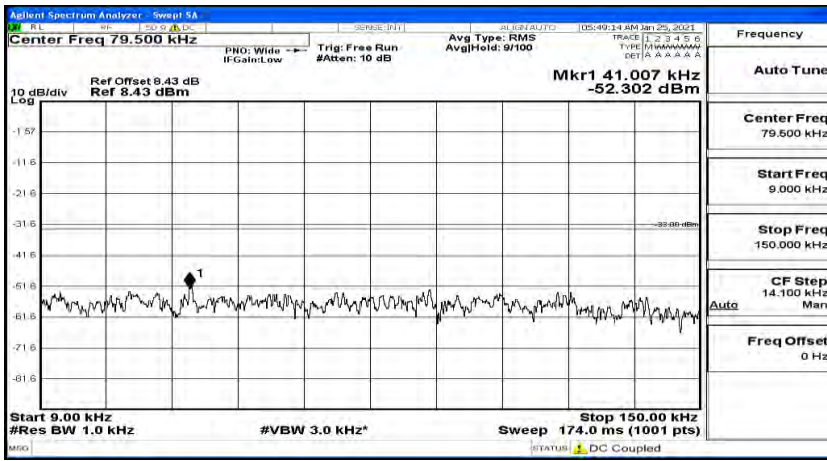
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5



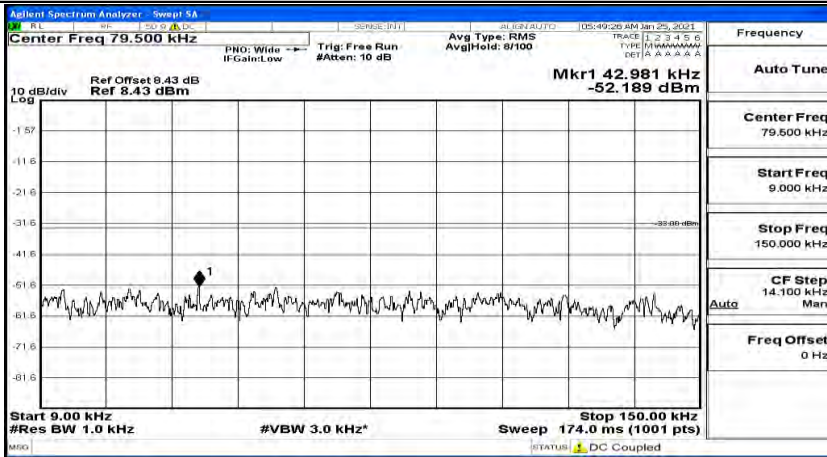
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0

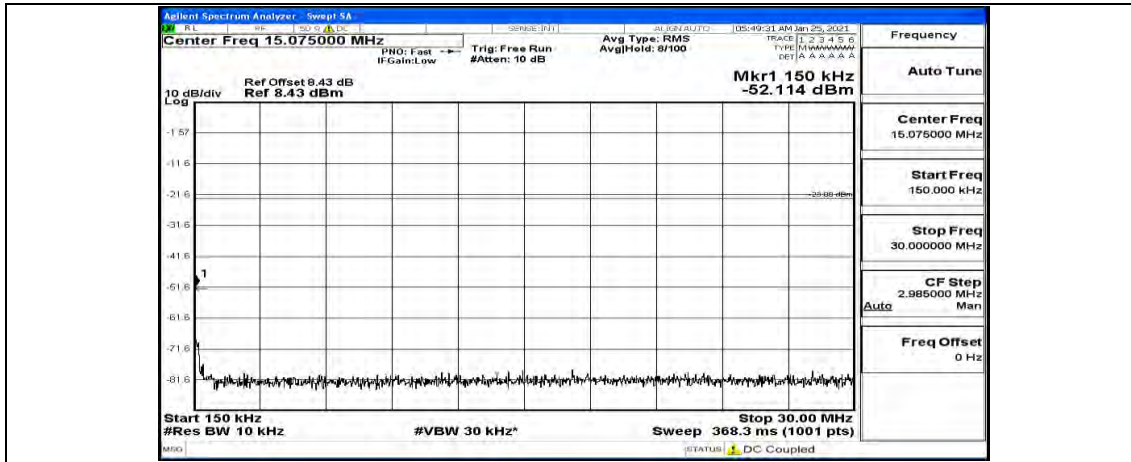


(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3

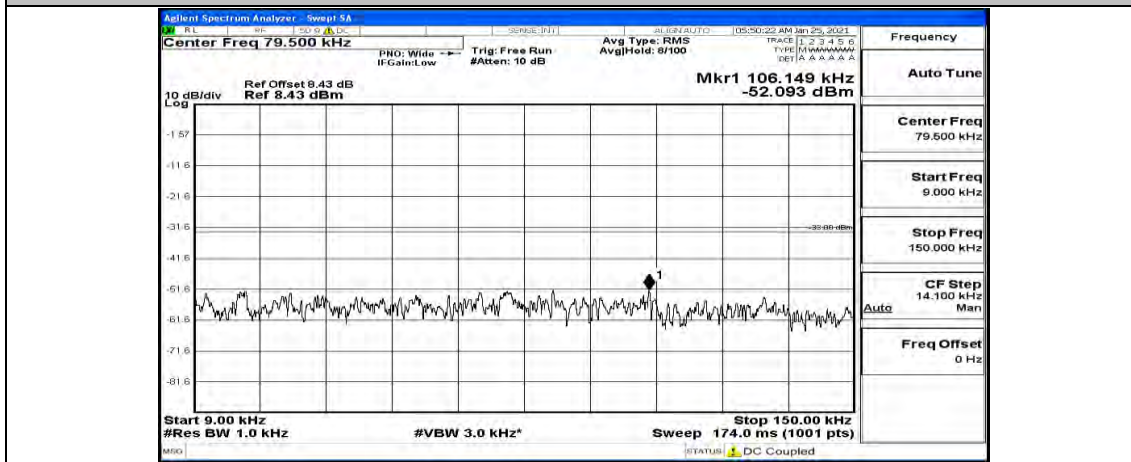


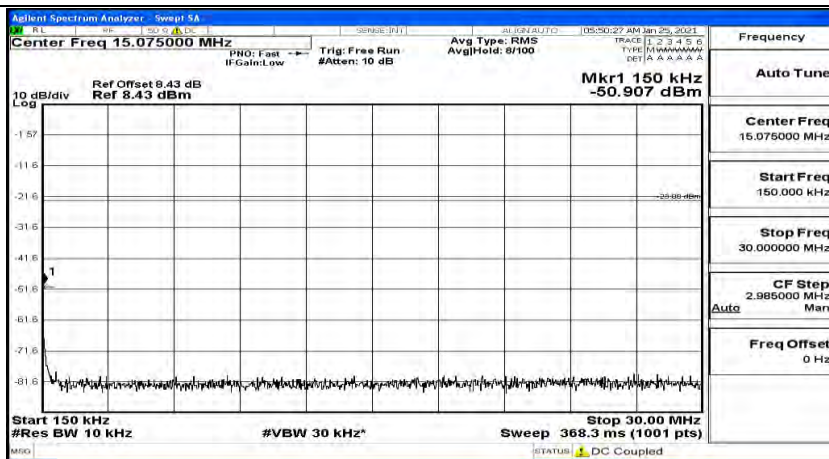
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5



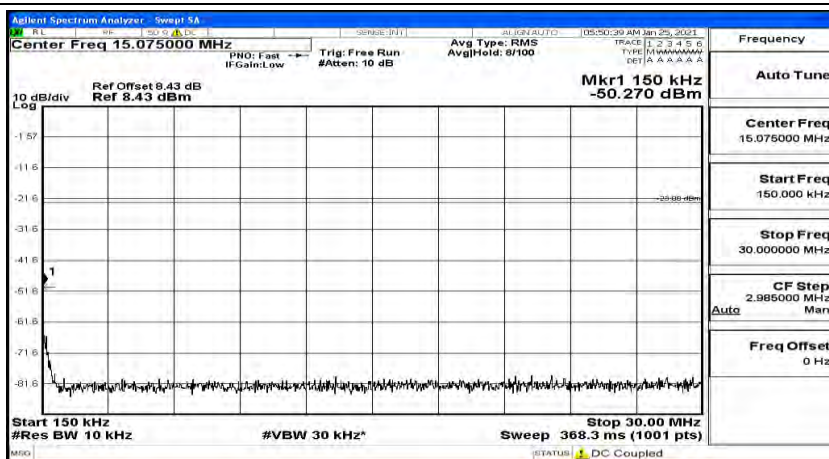
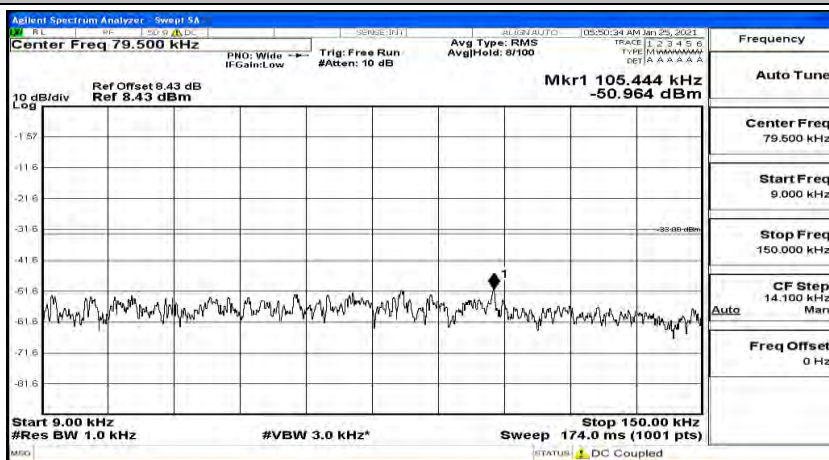


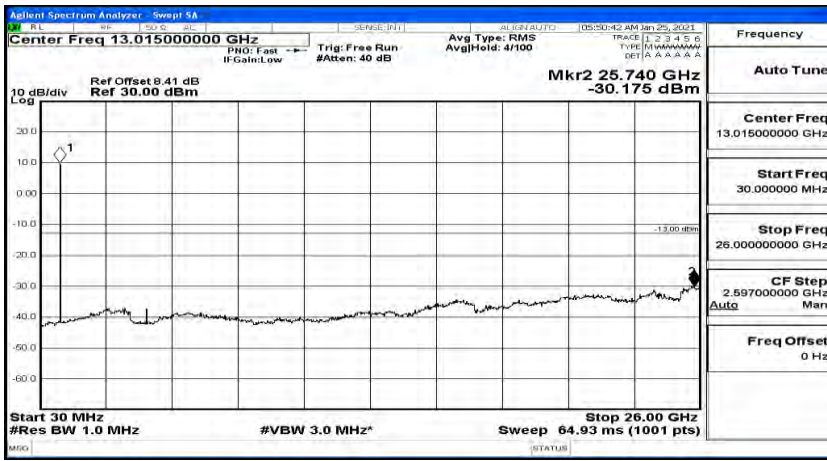
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0



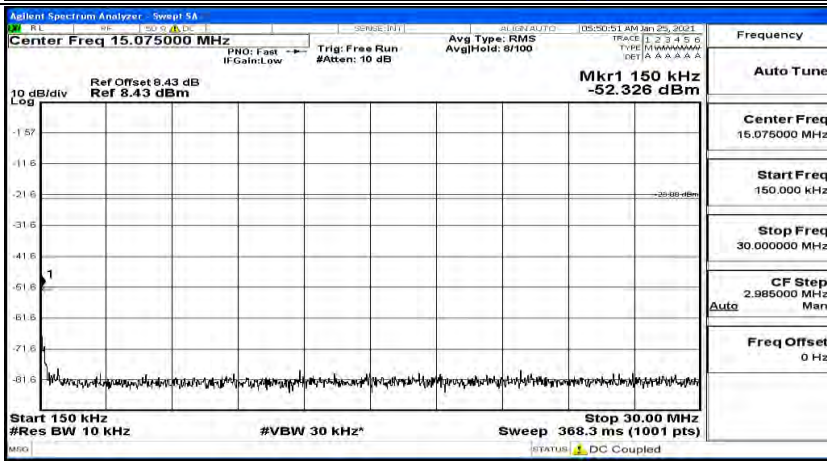
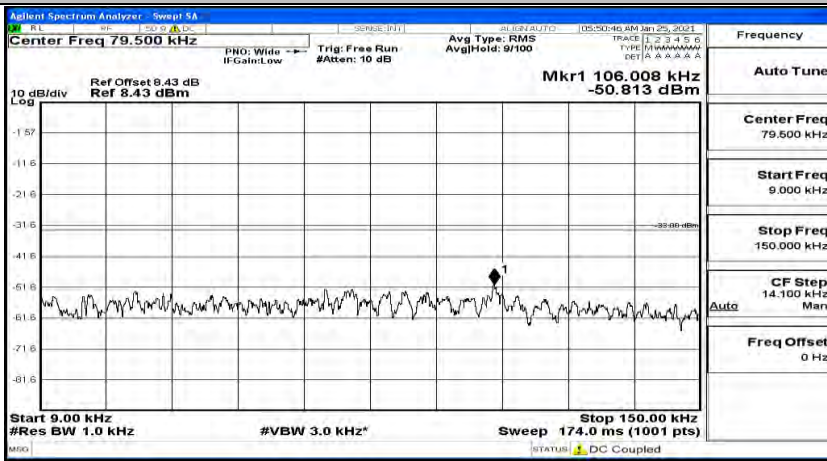


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3



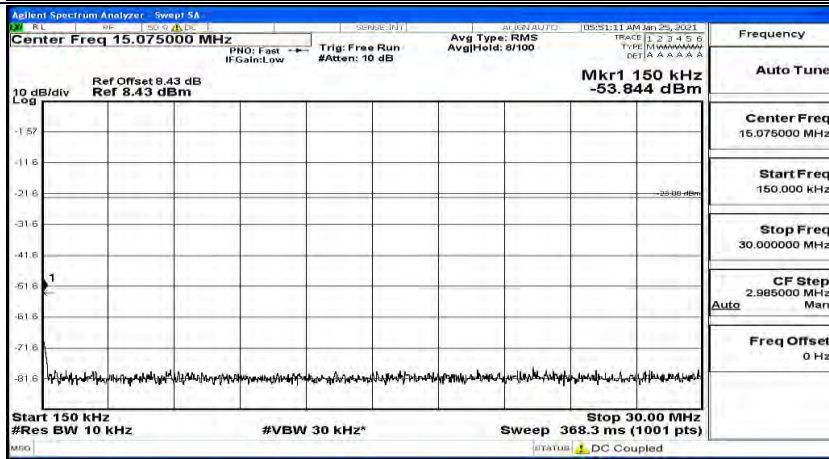
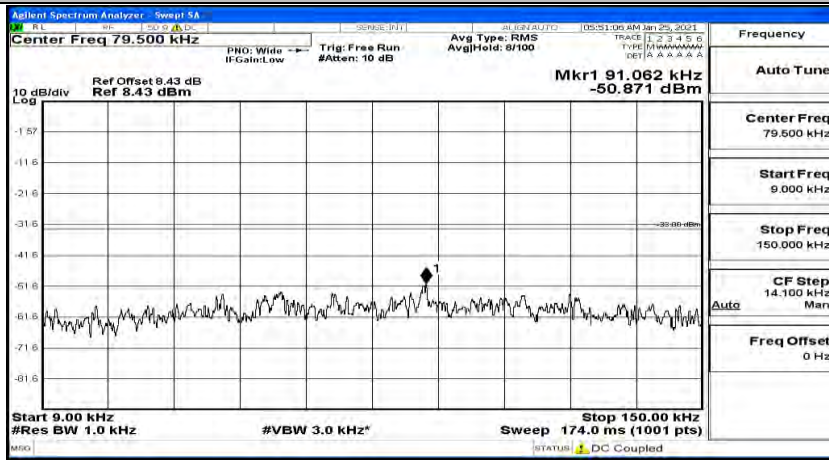


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5

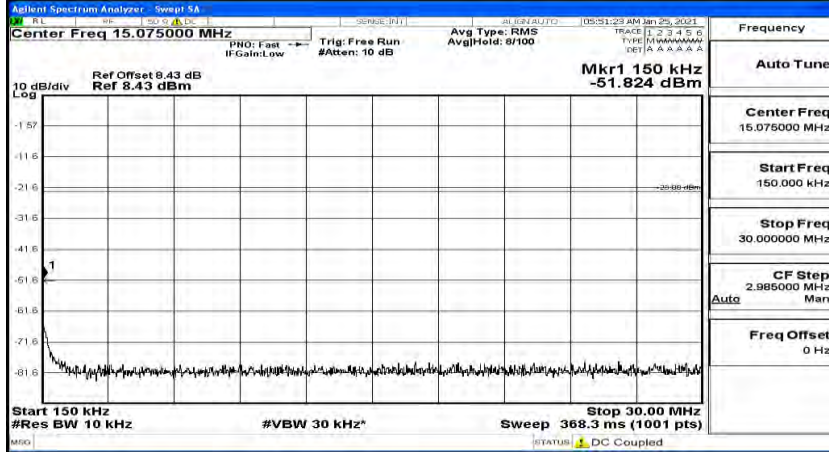
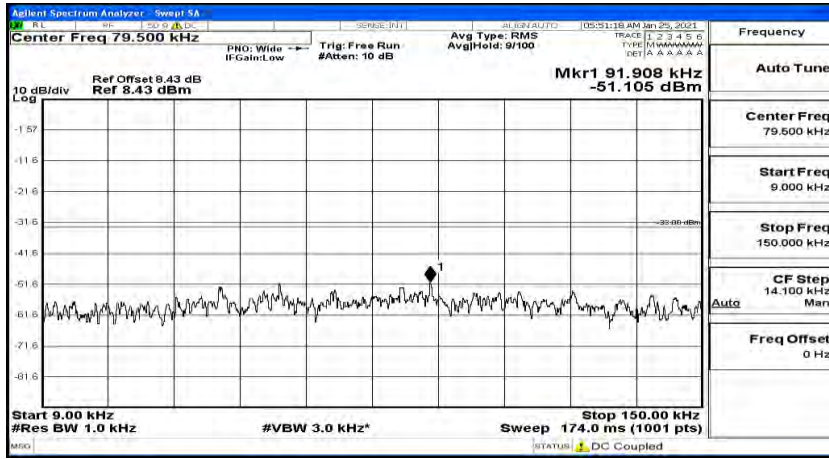


Channel Bandwidth: 3 MHz

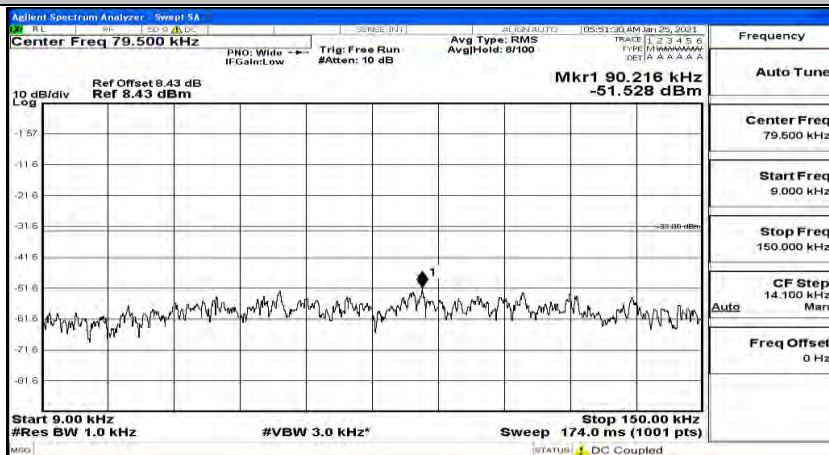
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0

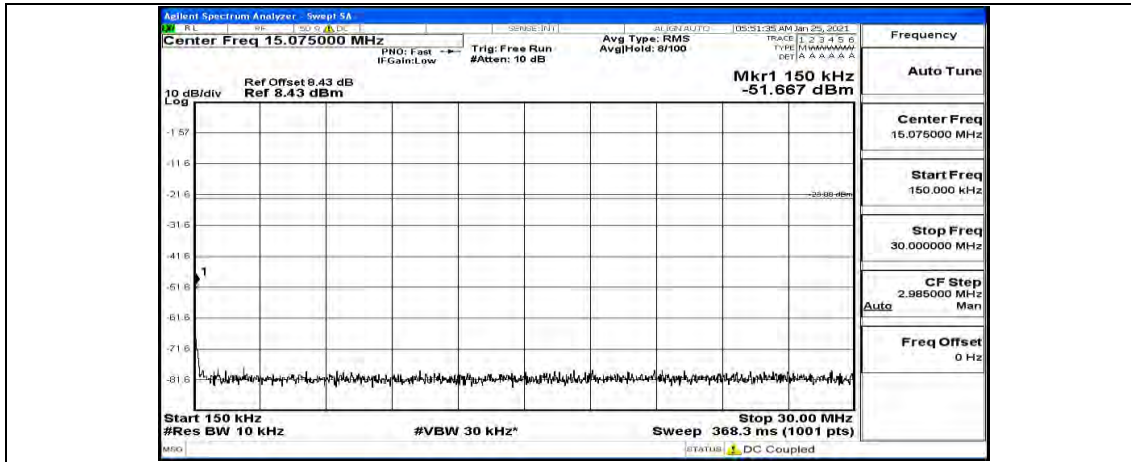


(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7

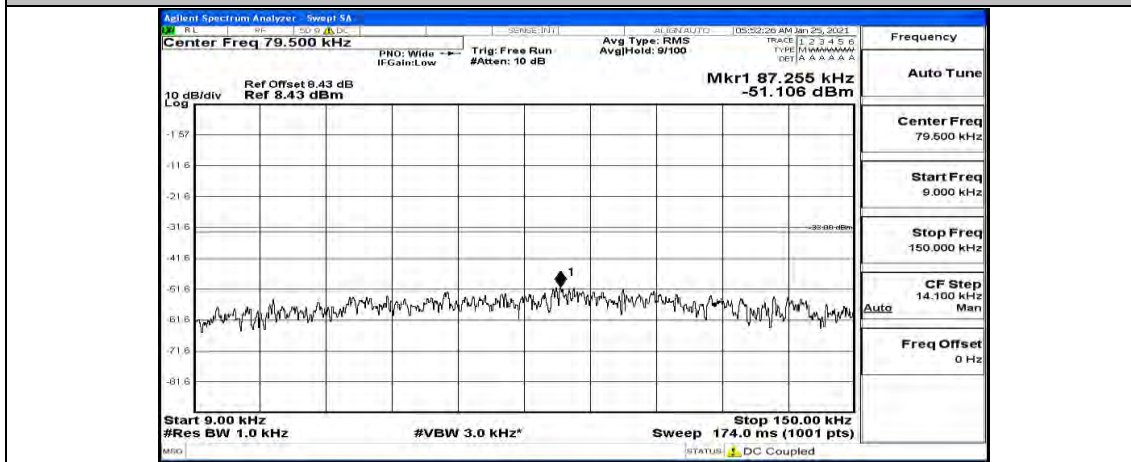


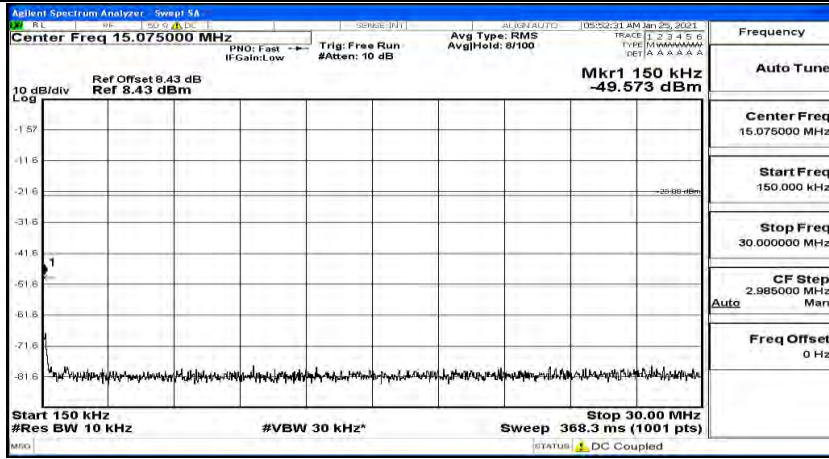
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14



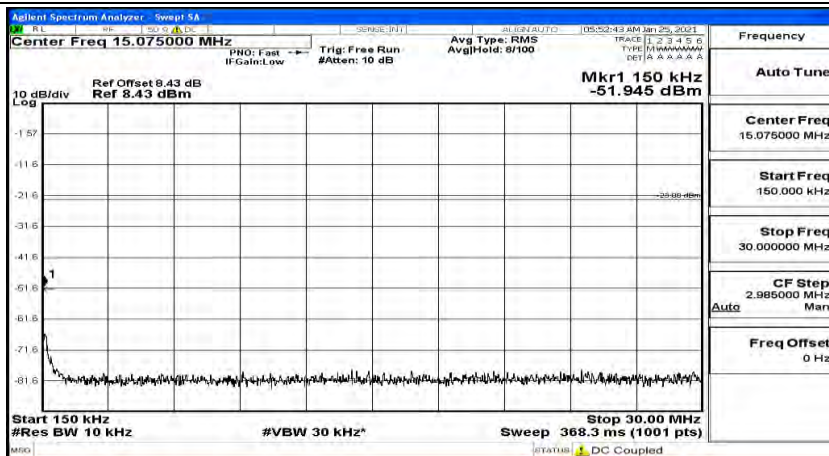
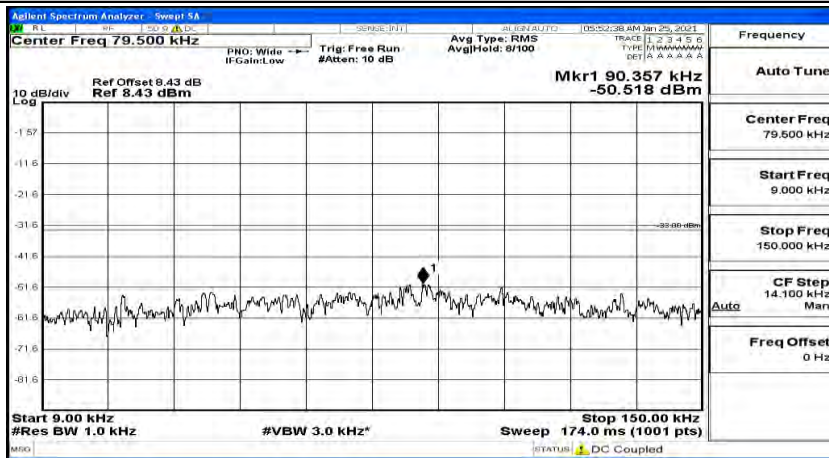


(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0



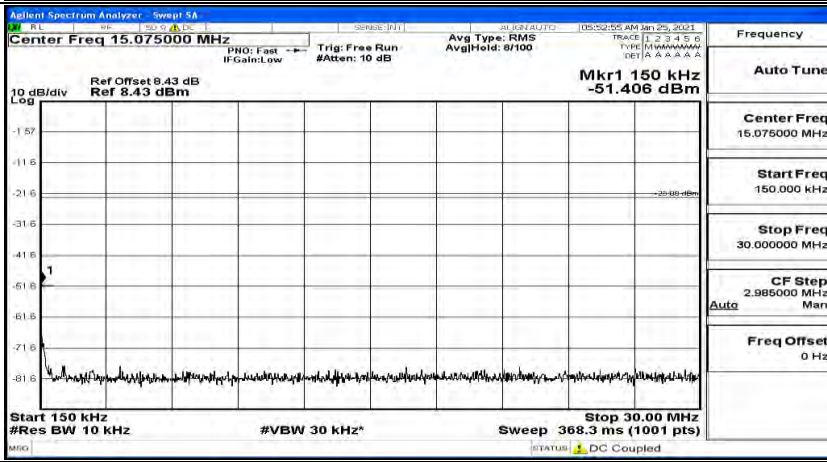
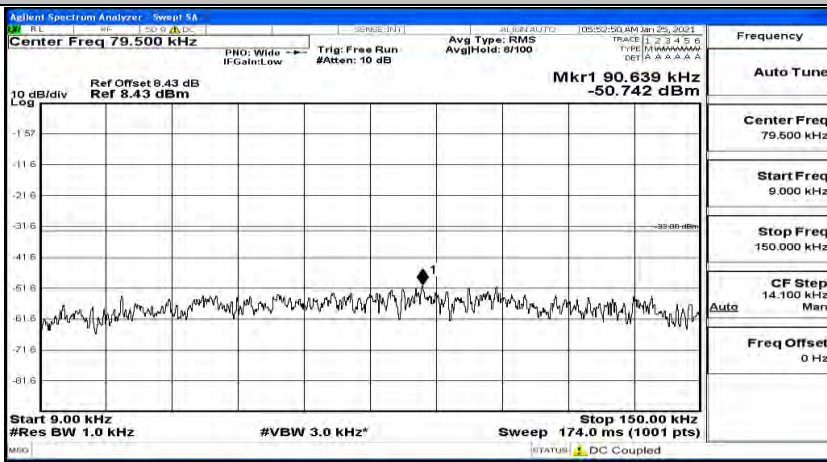


(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#7

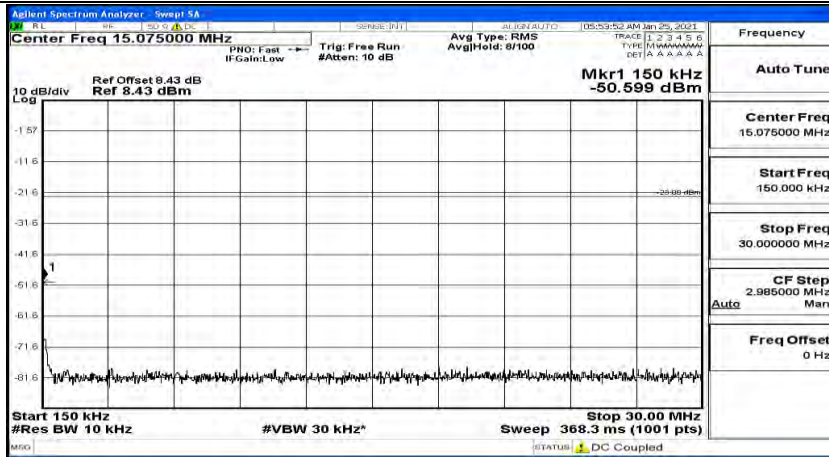
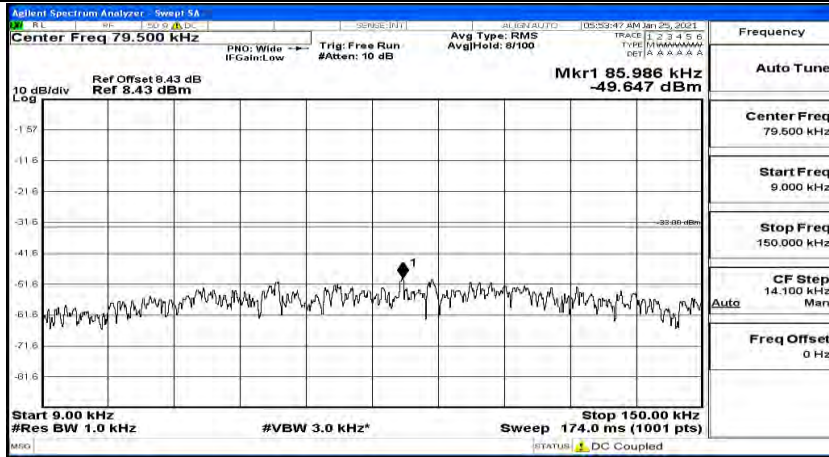




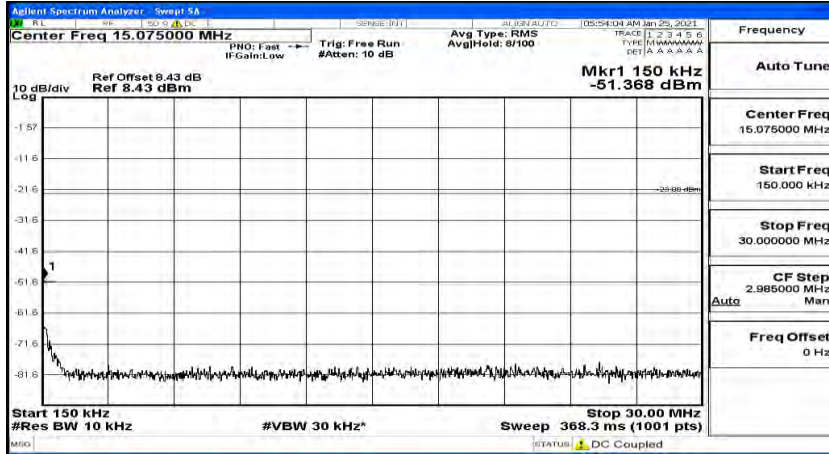
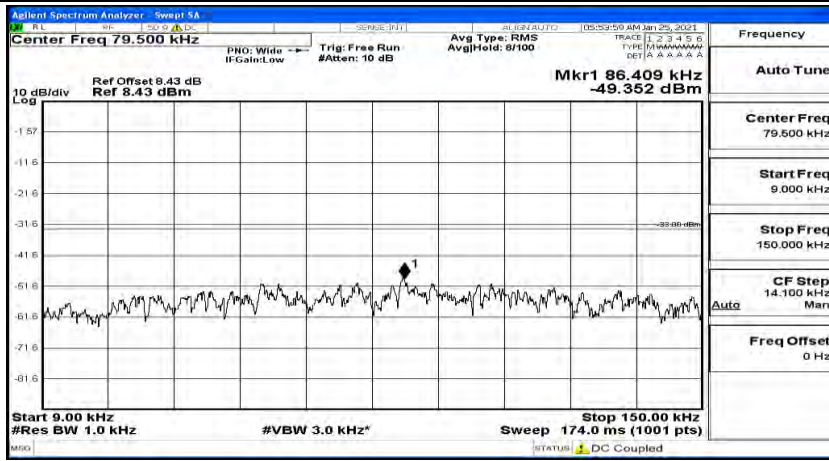
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14



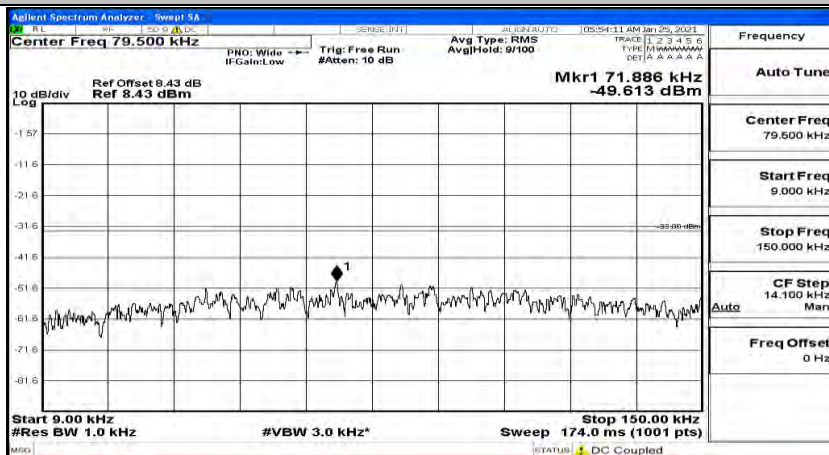
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0

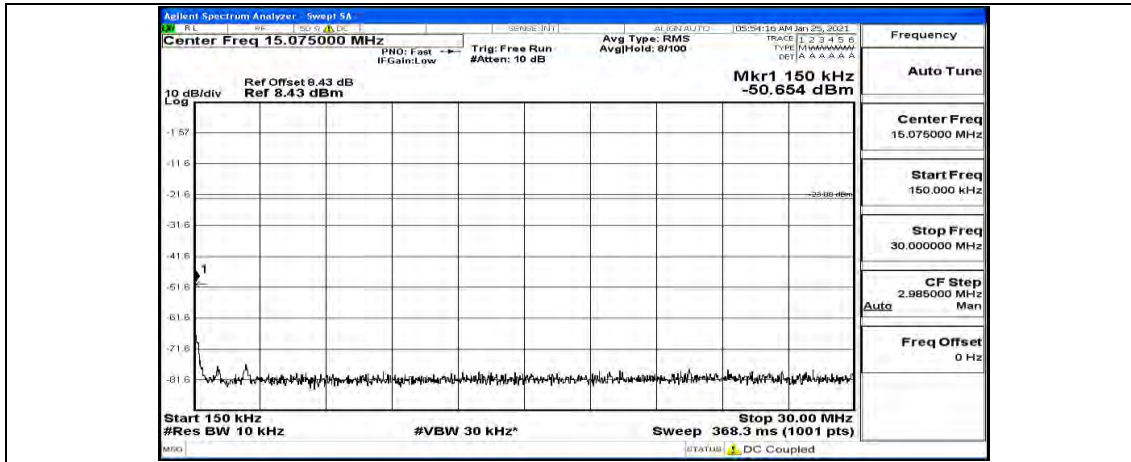


(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7

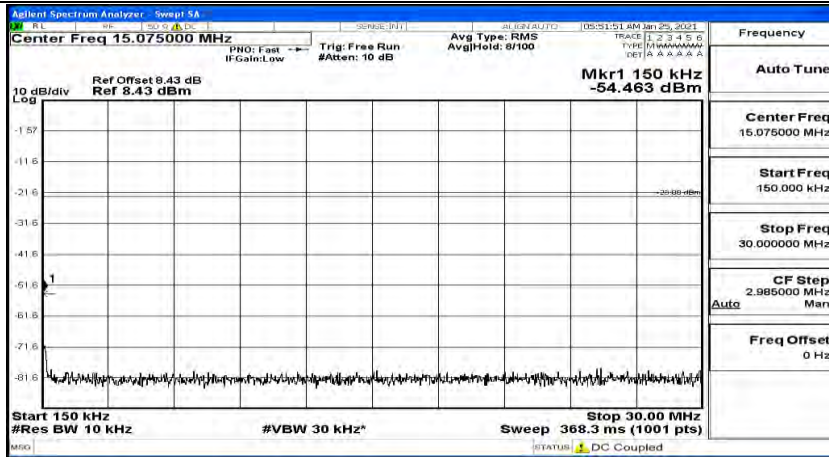
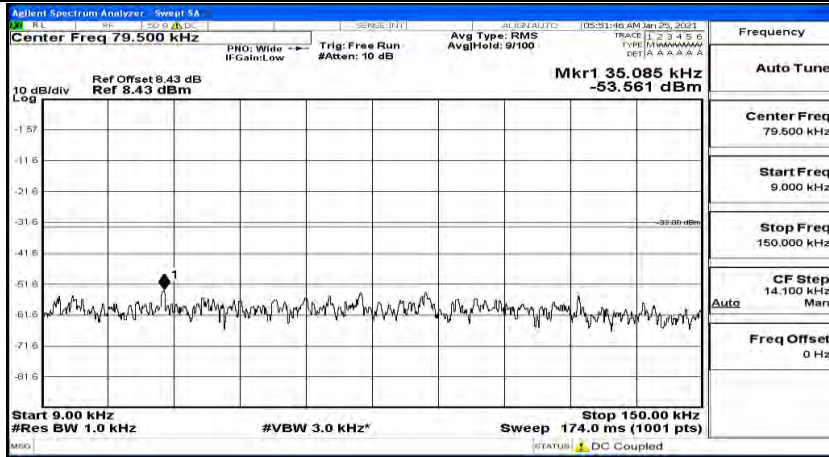


(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14

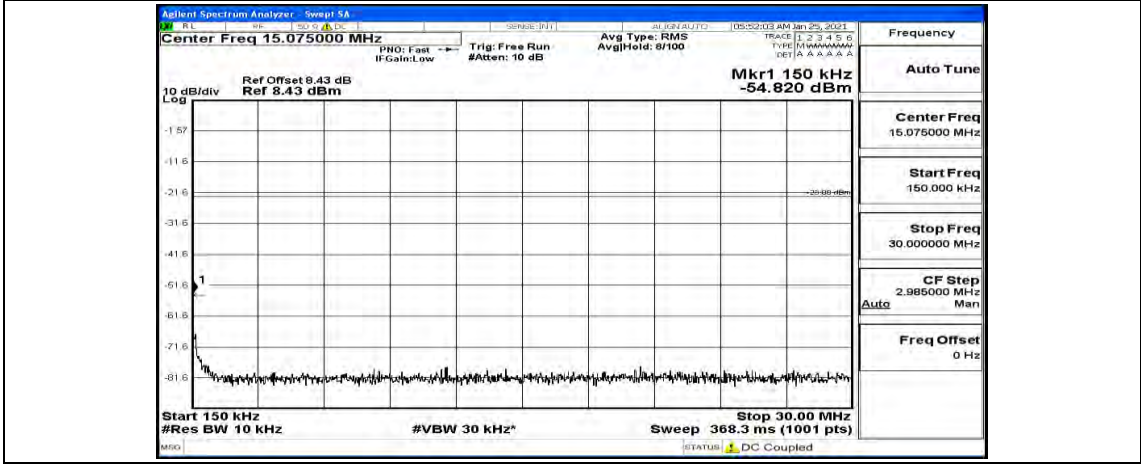
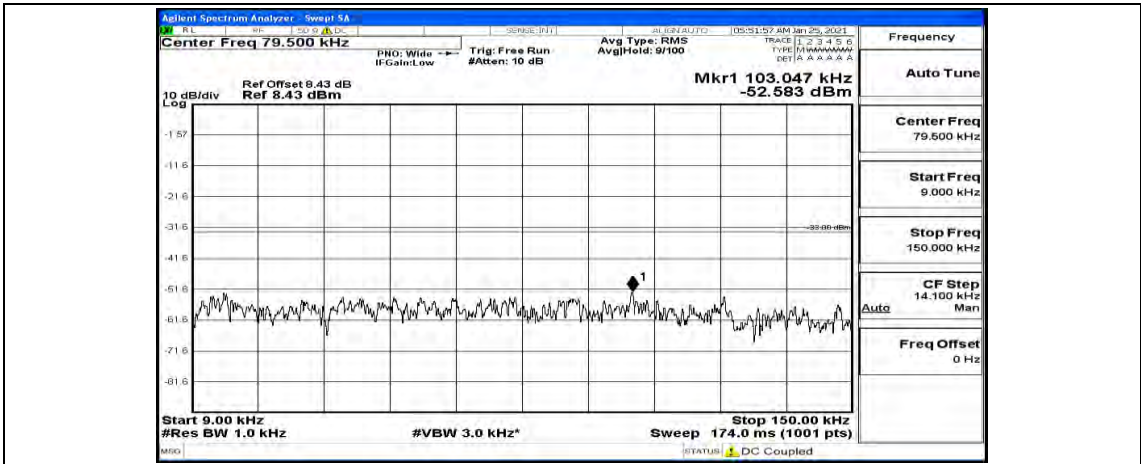




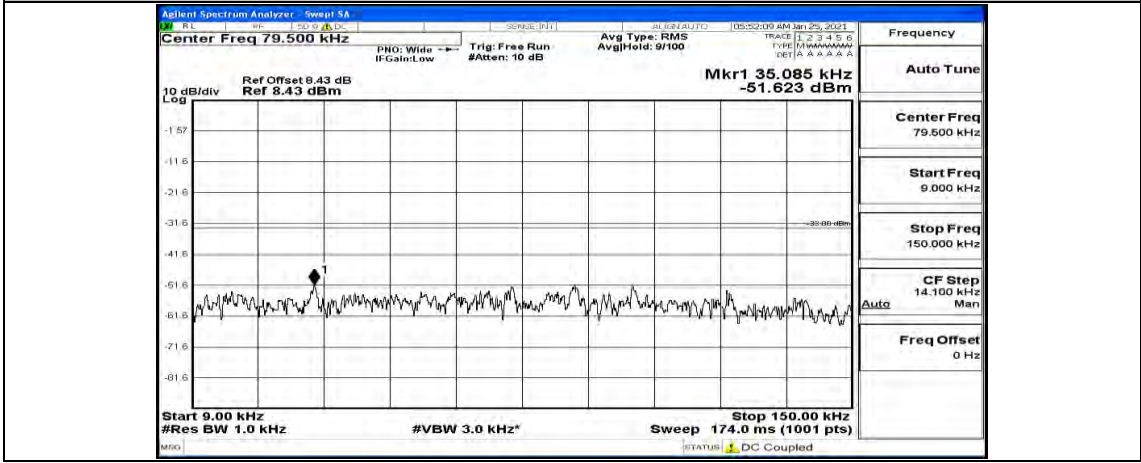
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0

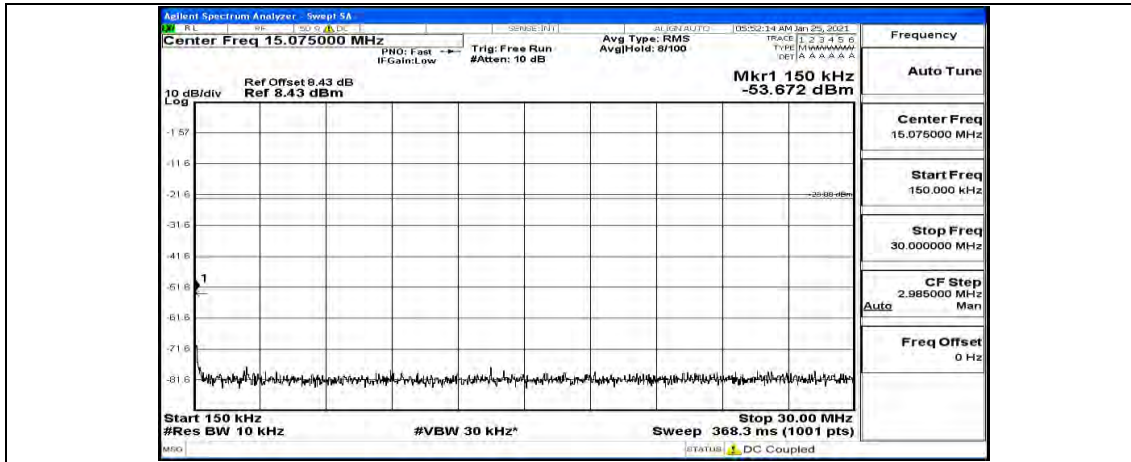


(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7

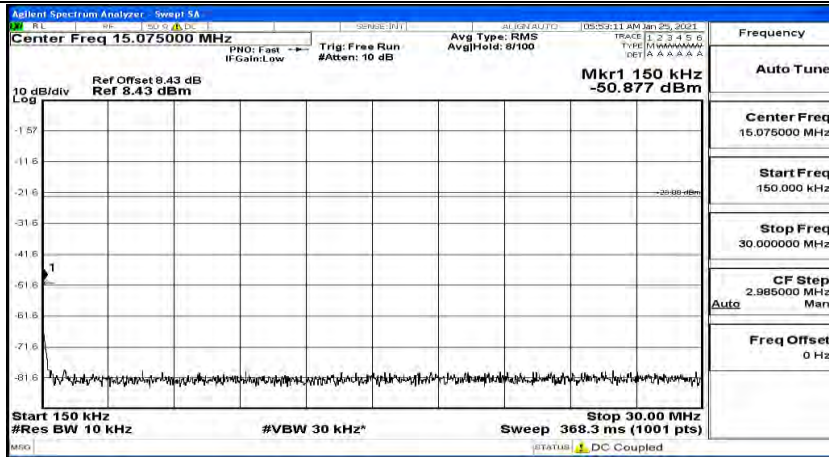
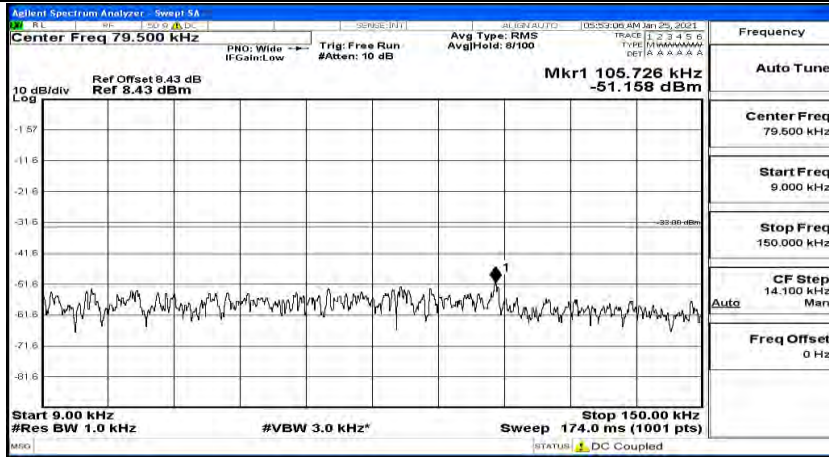


(Channel Bandwidth: 3 MHz) LCH_16QAM_1RB#14

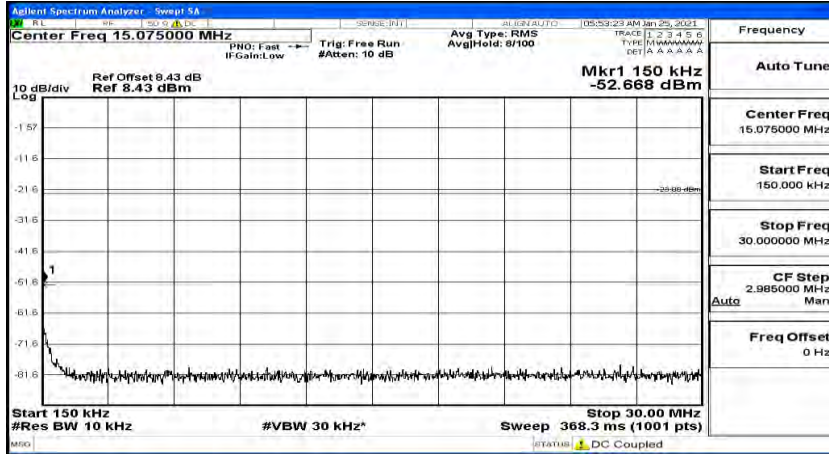
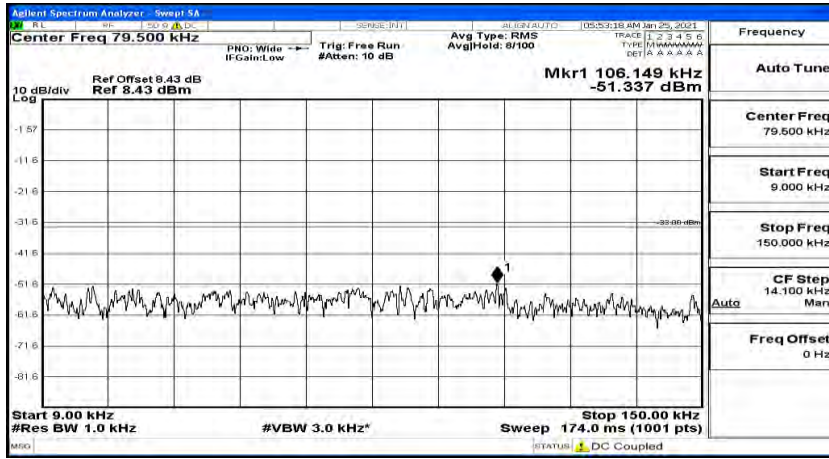




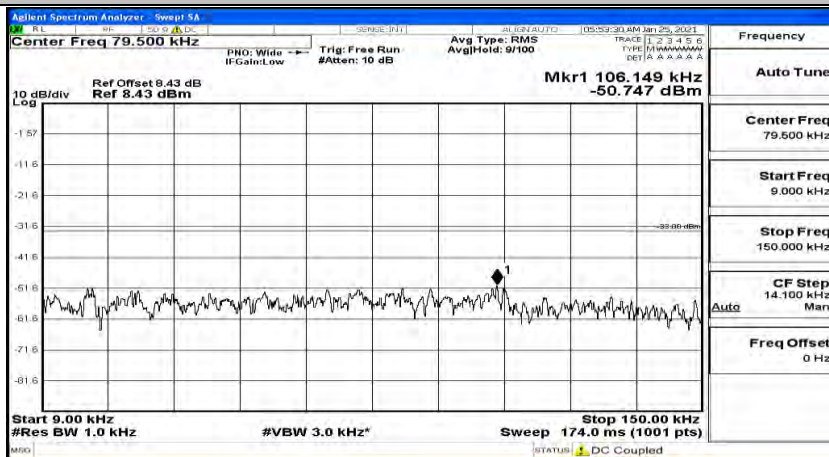
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0

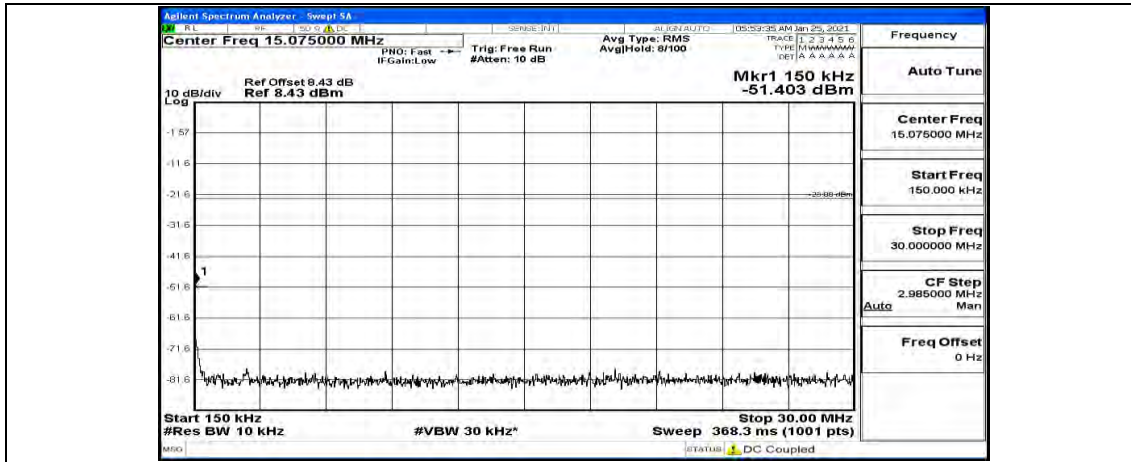


(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7

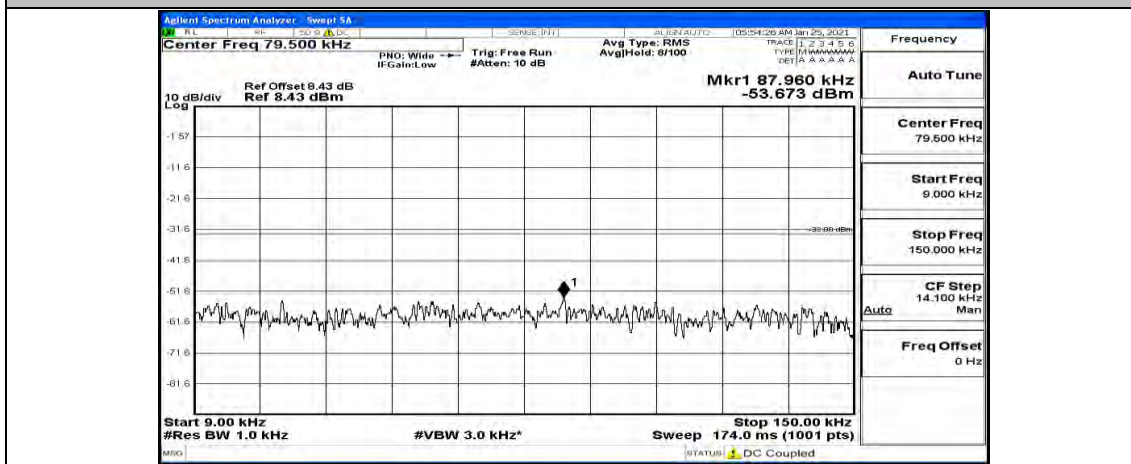


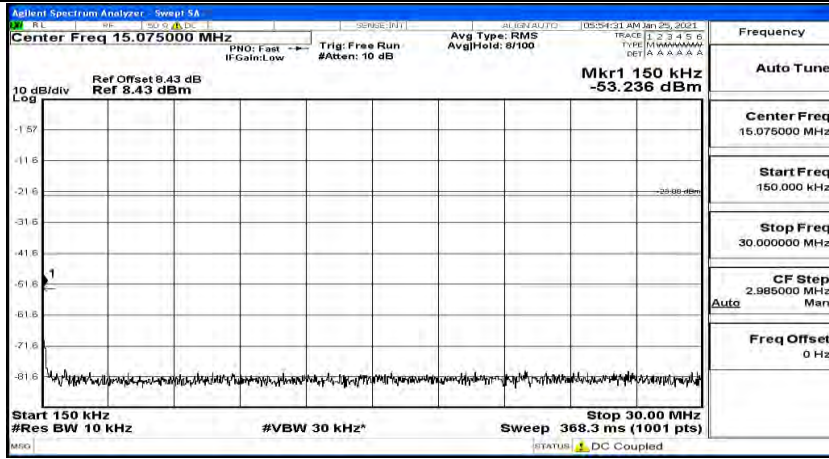
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14



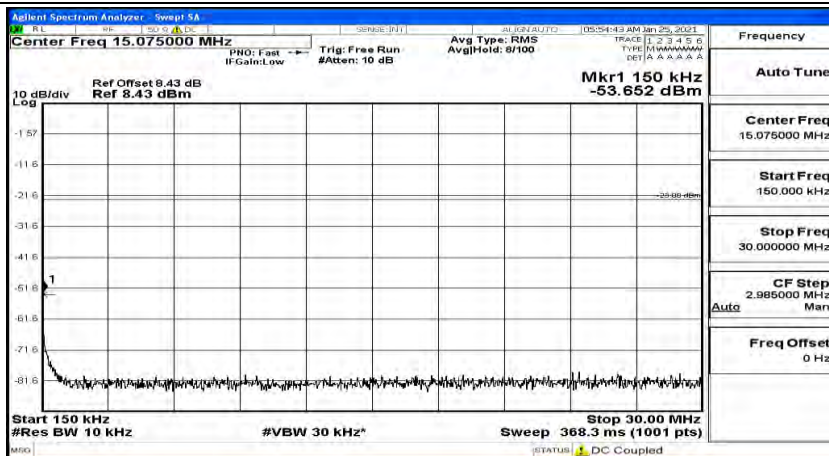
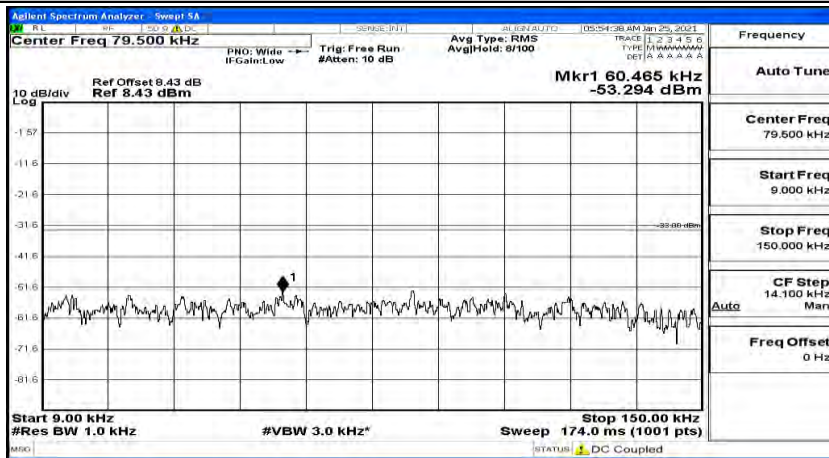


(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0



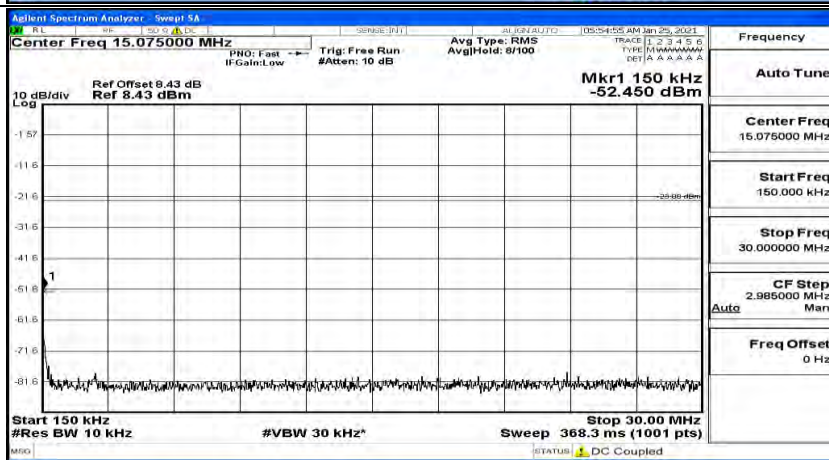
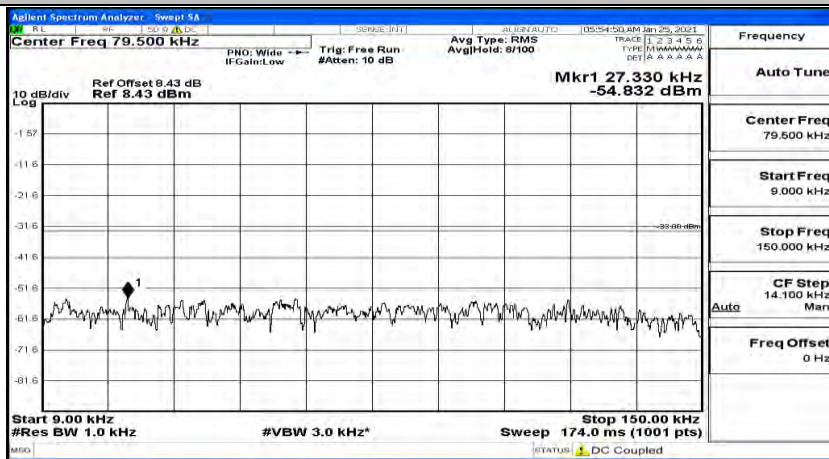


(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7



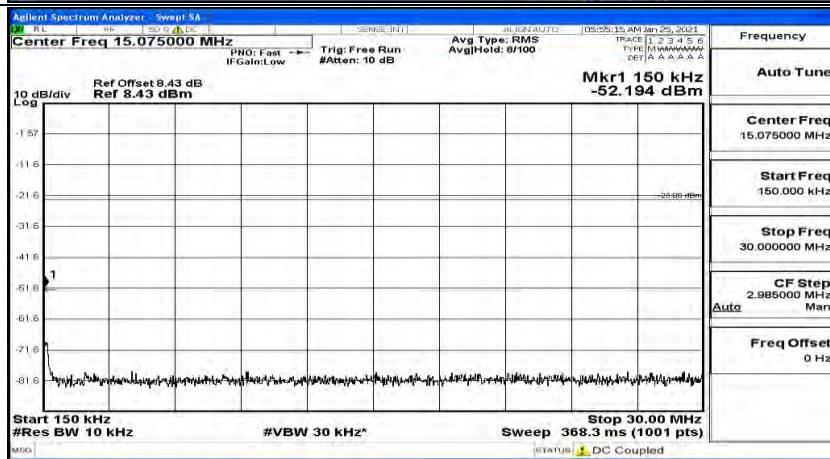
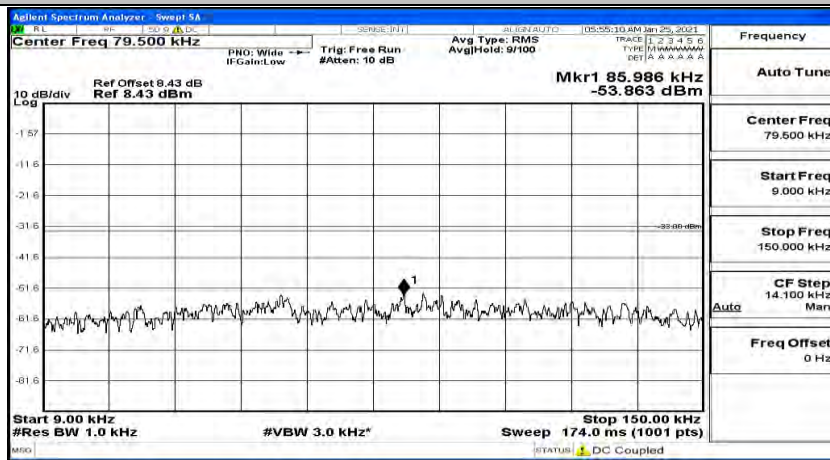


(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14

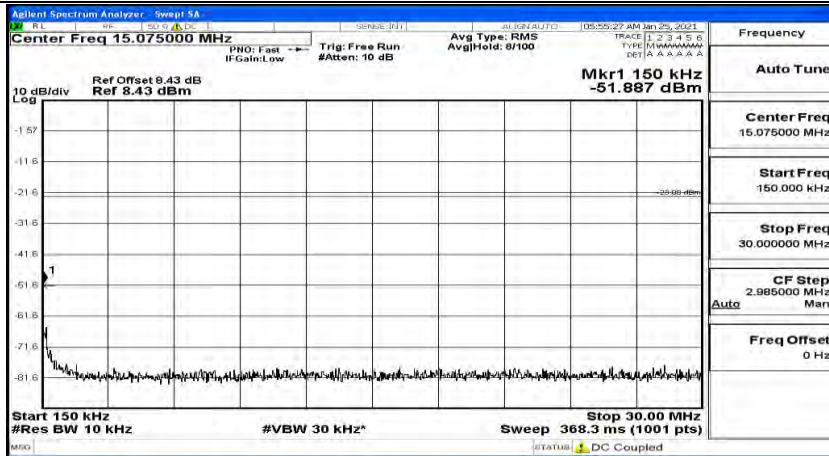
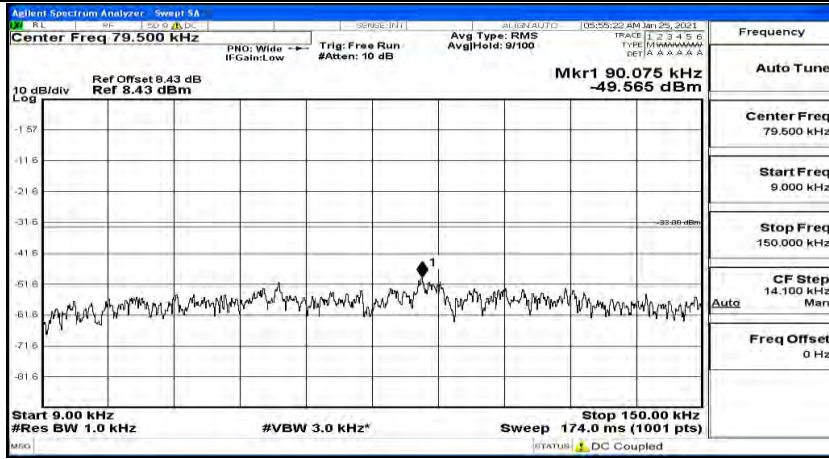


Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24

