Appendix G: Test Data for E-UTRA Band 7

Product Name: Tablet

Trade Mark: N/A

Test Model: 8LAB1

Environmental Conditions

Temperature:	22.3° C
Relative Humidity:	53.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Li Huan

G.1 Conducted Output Power

Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK / 16QAM	LCH	1	0	21.05	20.01	PASS
		1	12	20.85	19.69	PASS
		1	24	20.71	19.57	PASS
		12	0	20.04	19.09	PASS
		12	6	19.91	18.85	PASS
		12	13	19.93	18.83	PASS
		25	0	19.92	19.08	PASS
	MCH	1	0	22.85	21.71	PASS
		1	12	22.59	21.41	PASS
		1	24	22.29	21.07	PASS
		12	0	21.86	21.11	PASS
		12	6	21.74	20.92	PASS
		12	13	21.60	20.75	PASS
		25	0	21.84	21.03	PASS
	HCH	1	0	22.02	20.63	PASS
		1	12	21.95	20.61	PASS
		1	24	21.93	20.45	PASS
		12	0	20.90	19.85	PASS
		12	6	20.85	19.89	PASS
		12	13	20.82	19.79	PASS
		25	0	20.86	20.04	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	21.86	20.98	PASS
		1	24	21.56	20.59	PASS
		1	49	21.60	20.71	PASS
		25	0	20.88	19.94	PASS
		25	12	20.77	20.03	PASS
		25	25	20.85	19.87	PASS
		50	0	20.89	19.98	PASS
	MCH	1	0	23.27	22.80	PASS
		1	24	22.90	22.41	PASS
		1	49	22.27	21.78	PASS
		25	0	21.96	21.17	PASS
		25	12	21.75	20.92	PASS
		25	25	21.58	20.60	PASS
		50	0	21.71	20.99	PASS
	HCH	1	0	21.90	21.15	PASS
		1	24	21.99	21.15	PASS
		1	49	21.83	21.12	PASS
		25	0	20.95	20.08	PASS
		25	12	20.98	20.09	PASS
		25	25	20.87	19.93	PASS
		50	0	20.94	20.05	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	20.81	19.93	PASS
		1	37	20.53	19.60	PASS
		1	74	21.17	20.32	PASS
		37	0	19.76	19.00	PASS
		37	18	19.86	18.88	PASS
		37	38	19.98	19.21	PASS
		75	0	19.93	18.95	PASS
	MCH	1	0	22.40	21.27	PASS
		1	37	22.90	21.75	PASS
		1	74	22.97	21.90	PASS
		37	0	22.09	21.30	PASS
		37	18	21.72	21.04	PASS
		37	38	21.37	20.45	PASS
		75	0	21.68	20.91	PASS
	HCH	1	0	21.51	20.83	PASS
		1	37	21.99	21.09	PASS
		1	74	21.89	21.01	PASS
		37	0	20.77	19.91	PASS
		37	18	20.94	19.98	PASS
		37	38	20.93	20.00	PASS
		75	0	20.85	20.04	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	21.14	20.16	PASS
		1	49	20.94	20.11	PASS
		1	99	22.31	21.48	PASS
		50	0	19.80	19.00	PASS
		50	25	20.06	19.08	PASS
		50	50	20.65	19.68	PASS
		100	0	20.25	19.31	PASS
	MCH	1	0	23.46	22.27	PASS
		1	49	23.08	21.85	PASS
		1	99	21.77	20.79	PASS
		50	0	22.21	21.25	PASS
		50	25	21.83	20.93	PASS
		50	50	21.11	20.22	PASS
		100	0	21.64	20.72	PASS
	HCH	1	0	21.22	20.80	PASS
		1	49	21.78	21.23	PASS
		1	99	21.85	21.12	PASS
		50	0	20.58	19.78	PASS
		50	25	20.88	19.88	PASS
		50	50	20.89	20.05	PASS
		100	0	20.65	19.81	PASS

G.2 Peak-to-Average Ratio

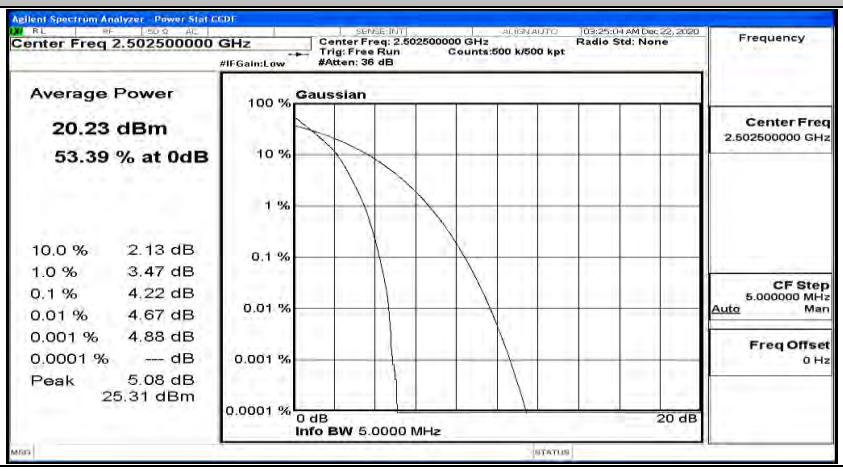
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.22	<13	PASS
	MCH	5.48	<13	PASS
	HCH	5.24	<13	PASS
16QAM	LCH	4.97	<13	PASS
	MCH	6.14	<13	PASS
	HCH	5.99	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.54	<13	PASS
	MCH	5.56	<13	PASS
	HCH	5.26	<13	PASS
16QAM	LCH	5.09	<13	PASS
	MCH	6.22	<13	PASS
	HCH	6.04	<13	PASS

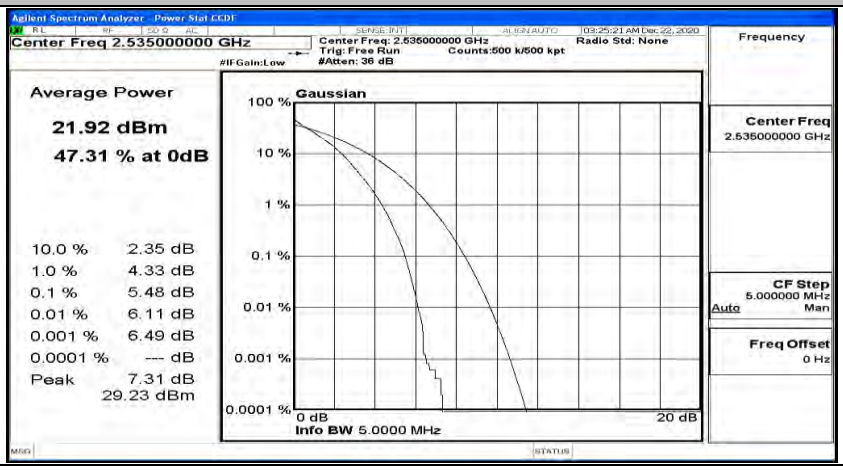
Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.98	<13	PASS
	MCH	4.94	<13	PASS
	HCH	4.95	<13	PASS
16QAM	LCH	5.8	<13	PASS
	MCH	6.2	<13	PASS
	HCH	6.12	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.78	<13	PASS
	MCH	5.74	<13	PASS
	HCH	5.75	<13	PASS
16QAM	LCH	6.5	<13	PASS
	MCH	6.67	<13	PASS
	HCH	6.63	<13	PASS

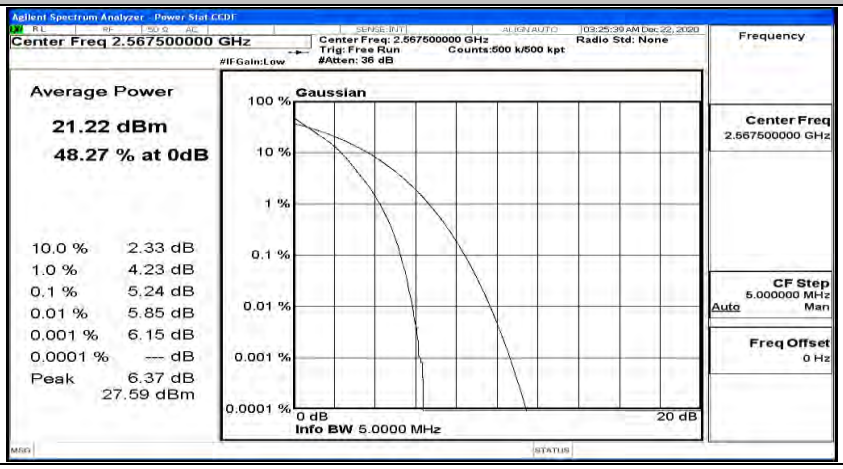
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



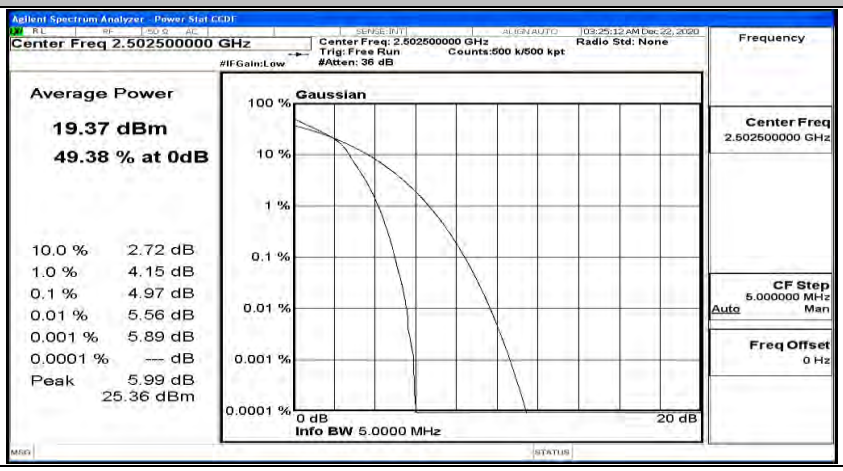
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



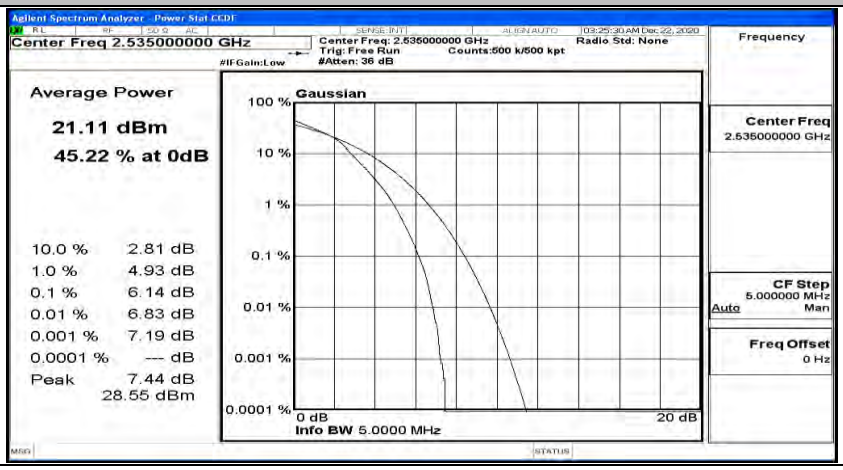
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



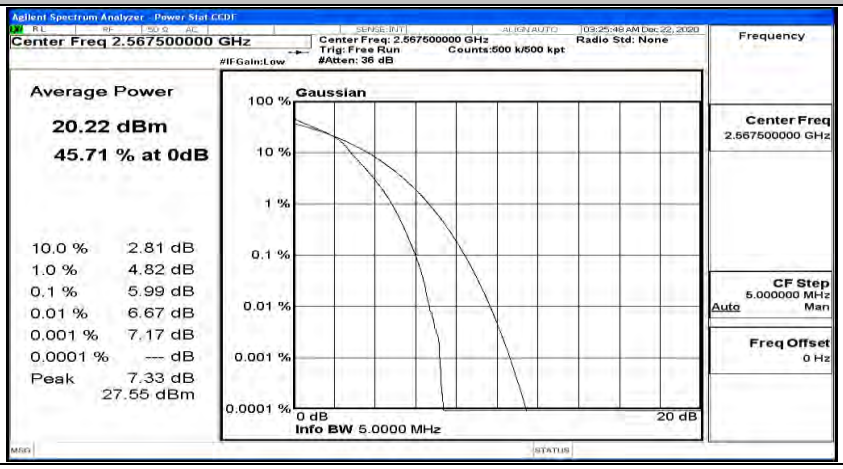
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



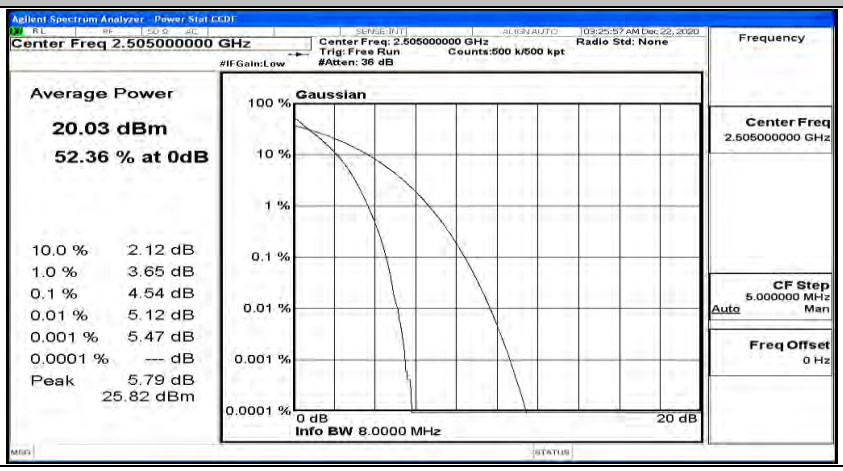
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



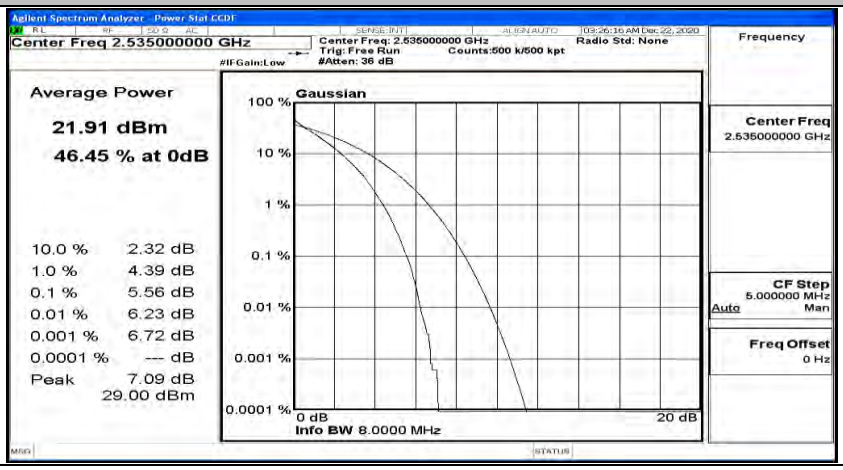
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



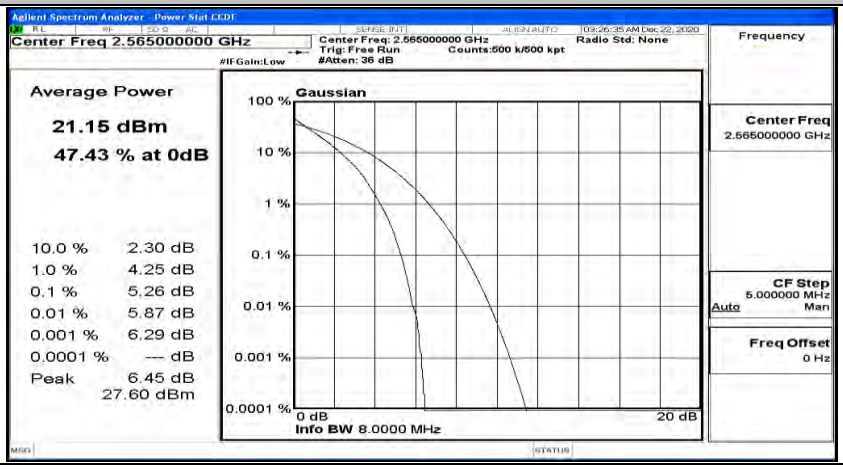
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



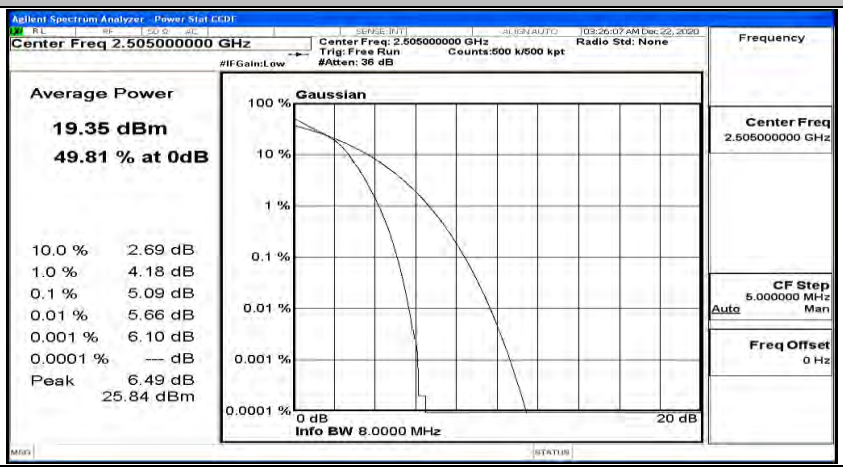
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



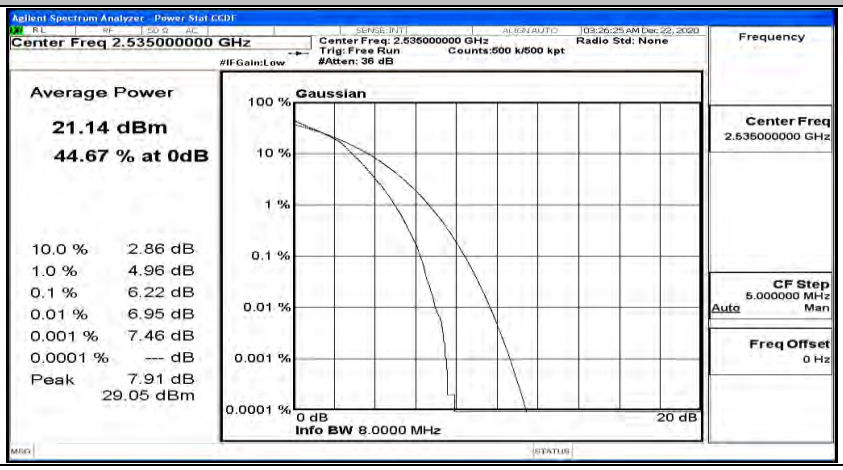
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



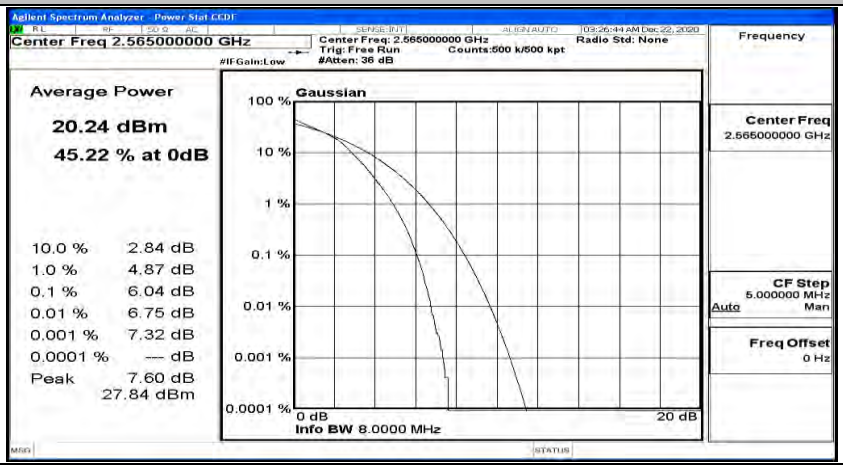
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



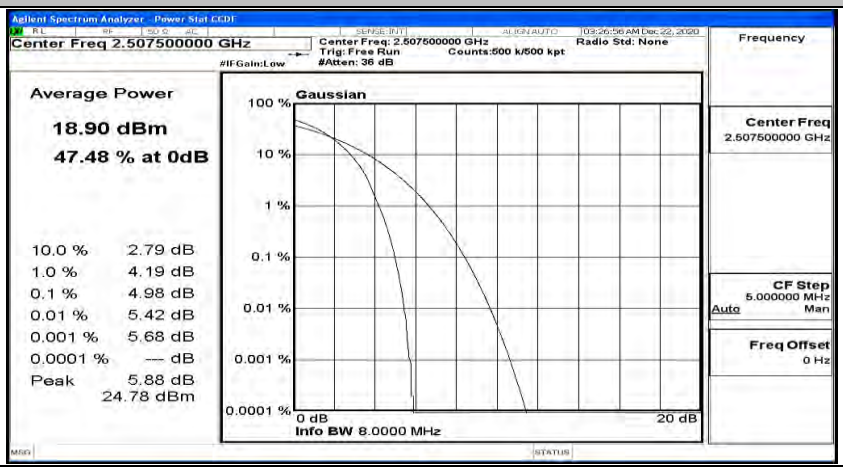
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



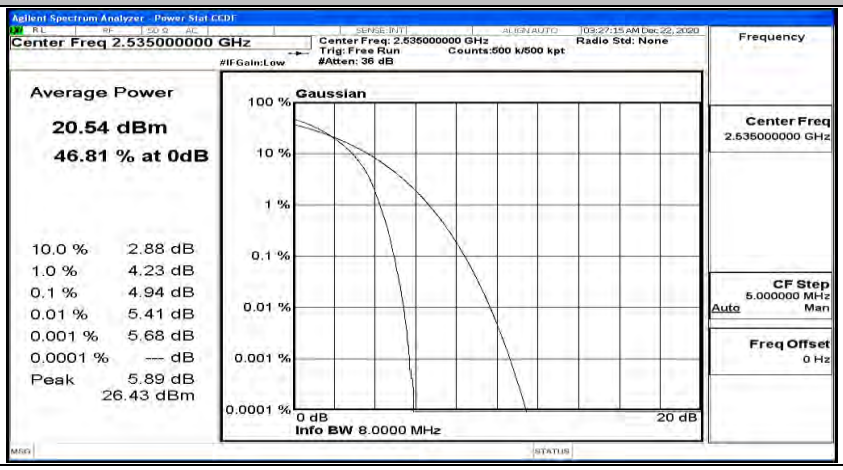
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



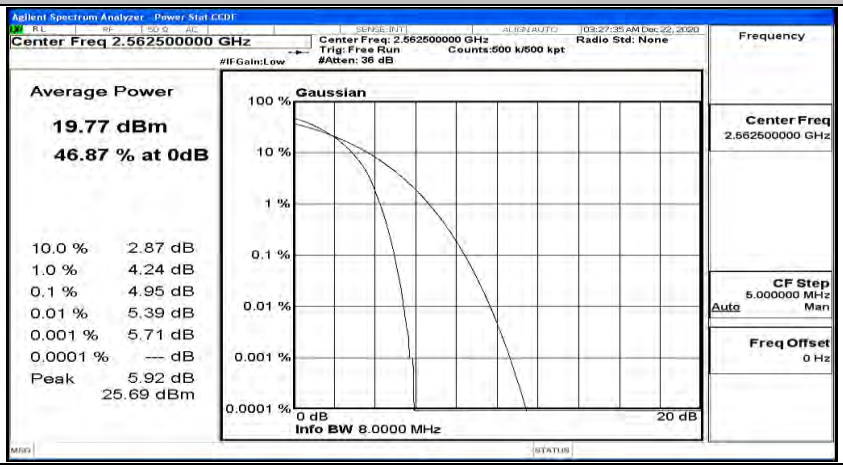
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



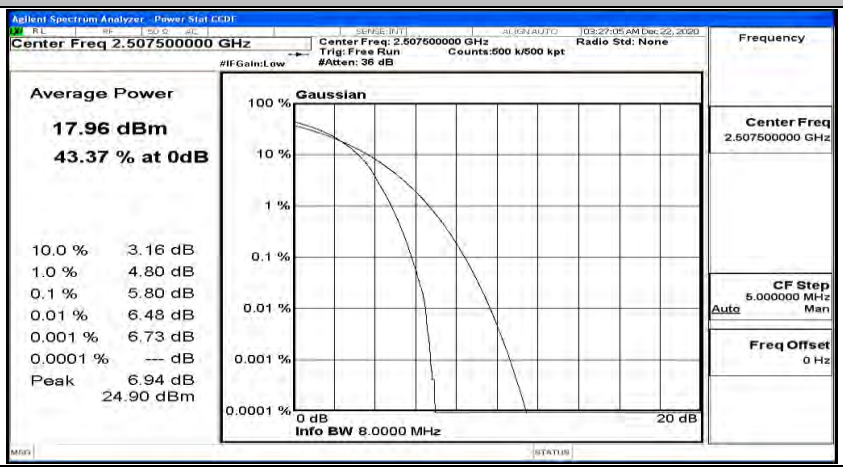
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK



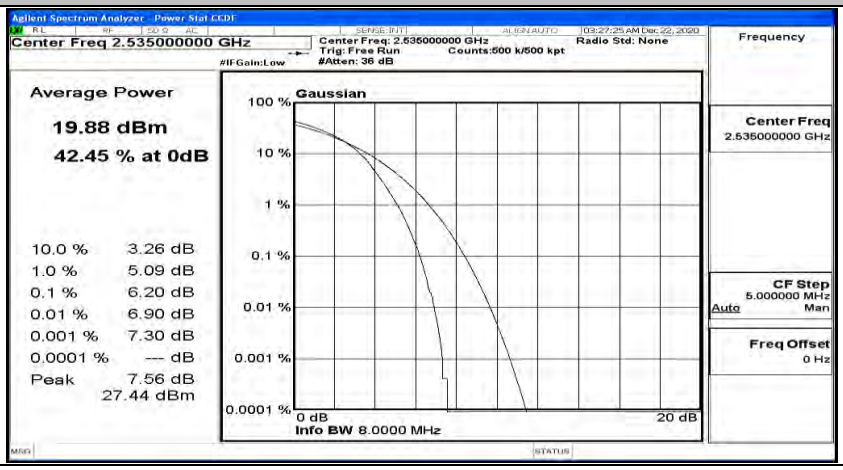
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



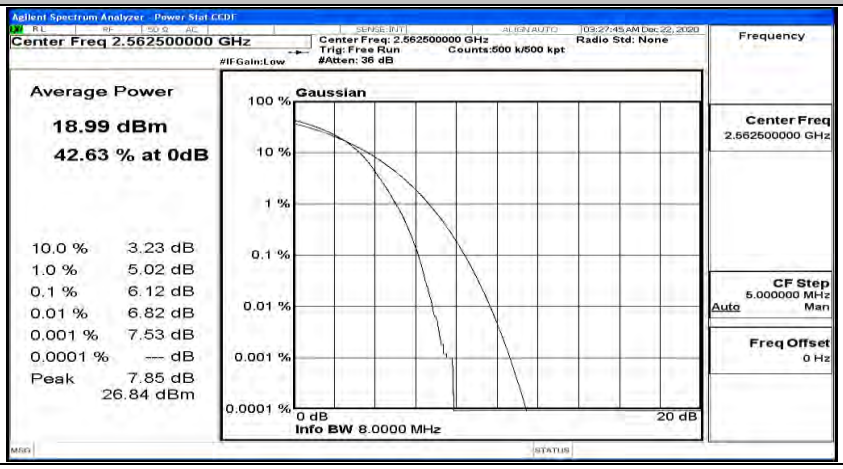
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



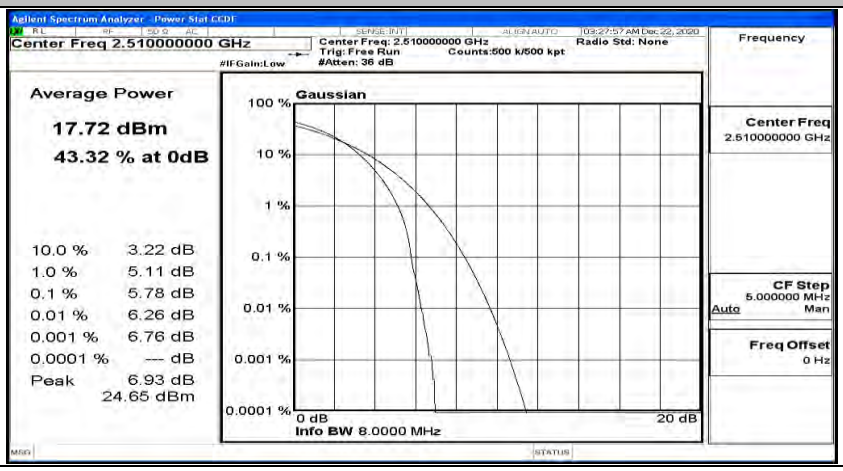
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM



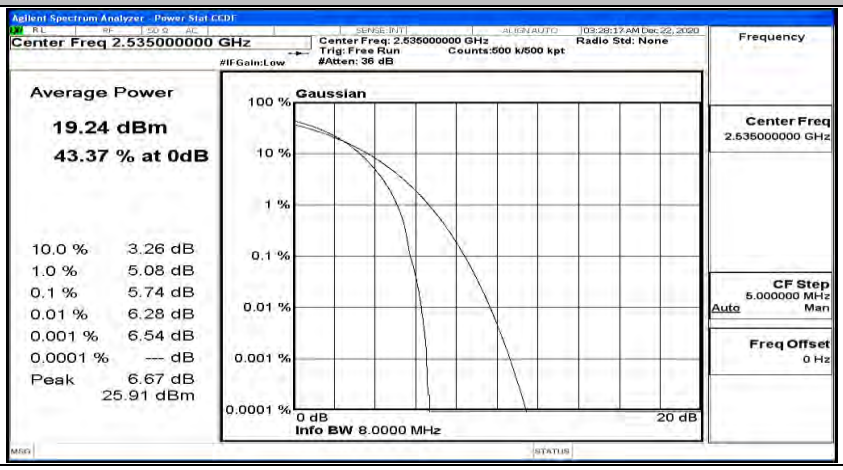
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



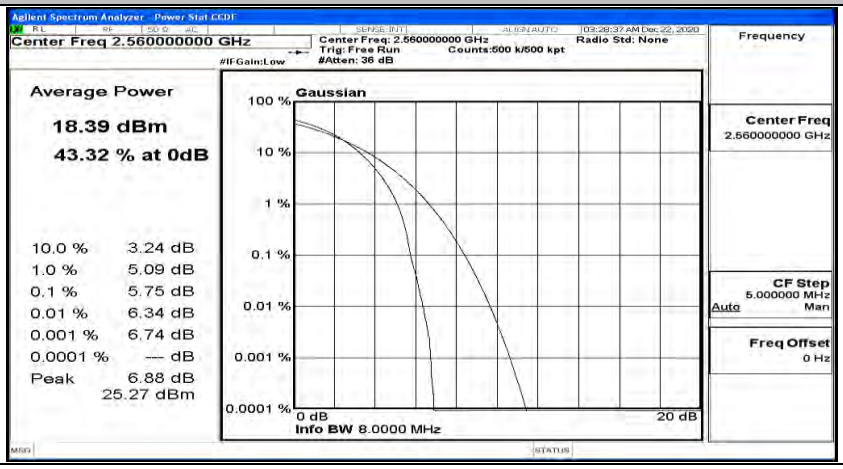
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



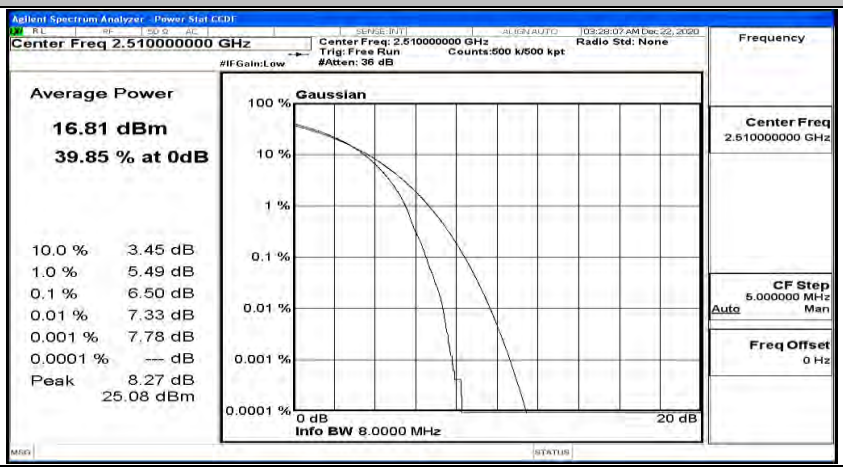
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK



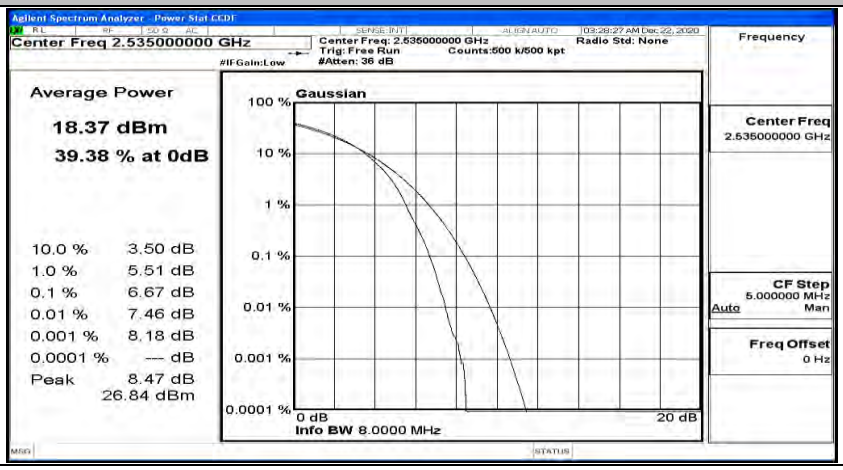
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



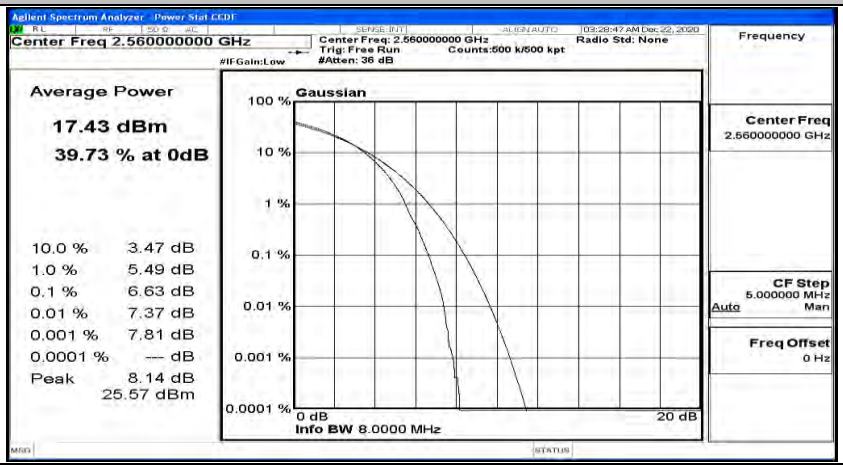
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM



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



G.3 26dB Bandwidth and Occupied Bandwidth

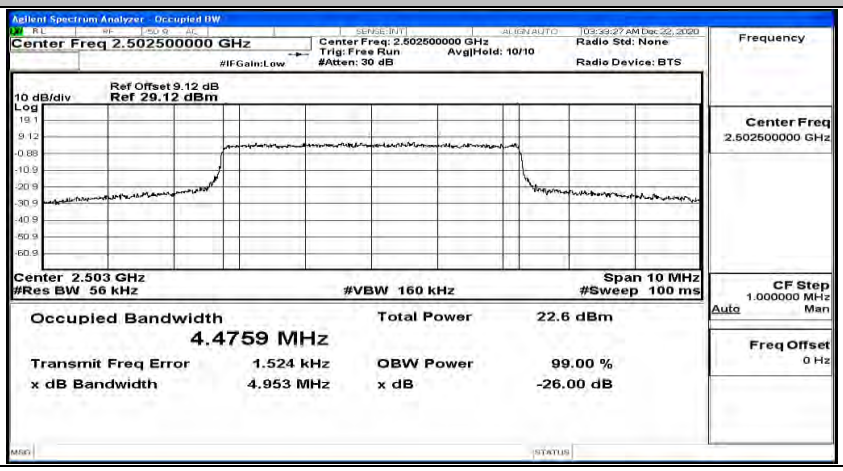
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4759	4.953	PASS
	MCH	4.4703	4.840	PASS
	HCH	4.4669	4.887	PASS
16QAM	LCH	4.4807	4.832	PASS
	MCH	4.4656	4.807	PASS
	HCH	4.4780	4.818	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9567	10.02	PASS
	MCH	8.9352	9.591	PASS
	HCH	8.9544	9.517	PASS
16QAM	LCH	8.9513	9.731	PASS
	MCH	8.9434	9.603	PASS
	HCH	8.9357	9.610	PASS

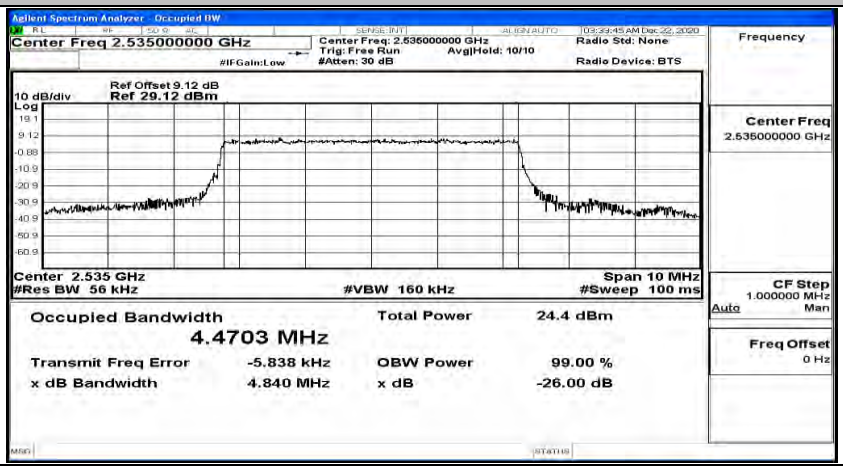
EBW & OBW Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	13.459	19.92	PASS
	MCH	13.392	13.99	PASS
	HCH	13.398	14.20	PASS
16QAM	LCH	13.441	17.78	PASS
	MCH	13.414	14.14	PASS
	HCH	13.416	14.21	PASS

EBW & OBW Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	17.911	18.99	PASS
	MCH	17.897	18.80	PASS
	HCH	17.891	18.80	PASS
16QAM	LCH	17.933	19.00	PASS
	MCH	17.881	18.86	PASS
	HCH	17.880	18.76	PASS

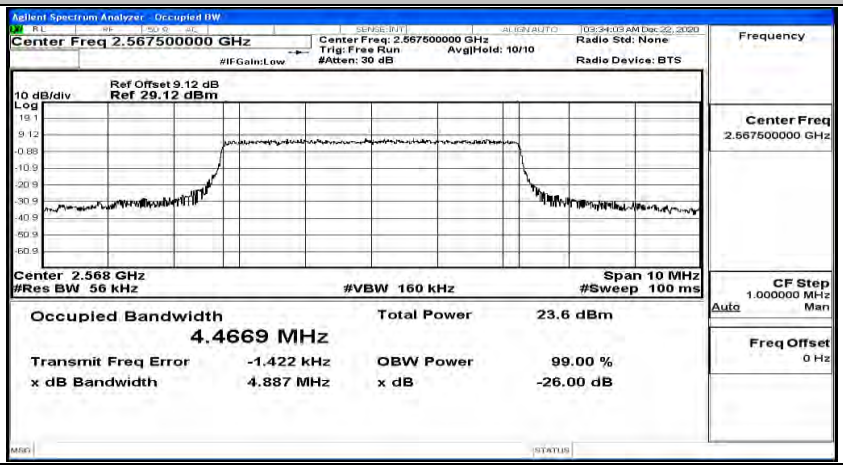
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



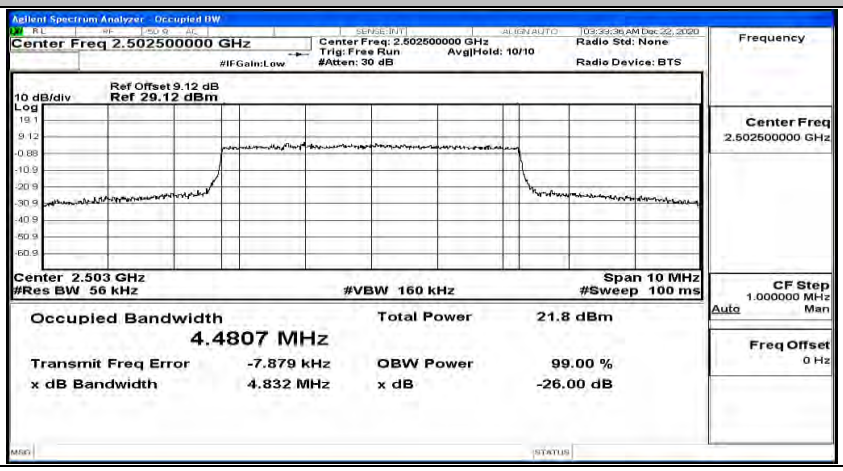
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



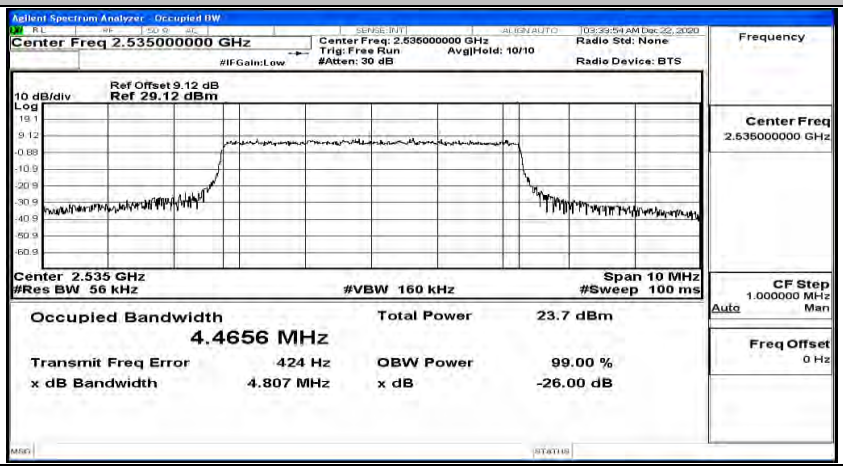
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



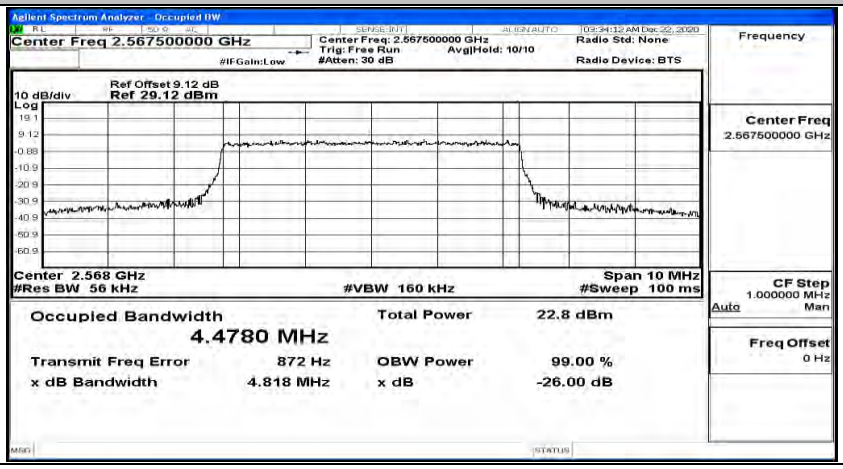
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



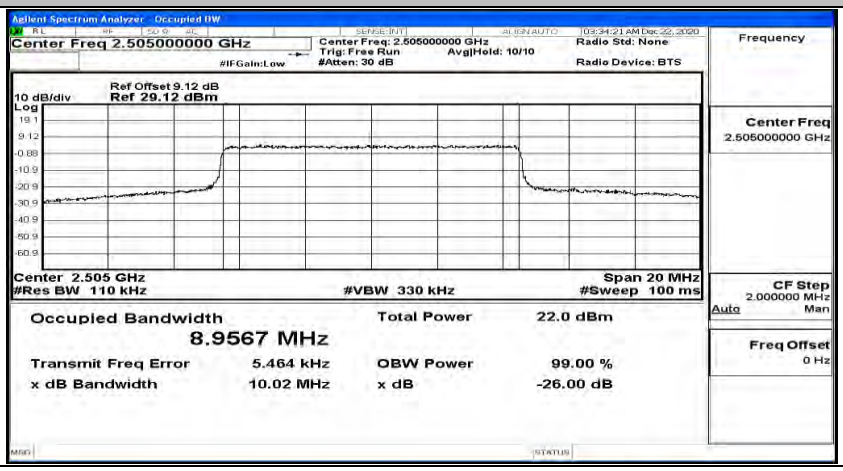
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



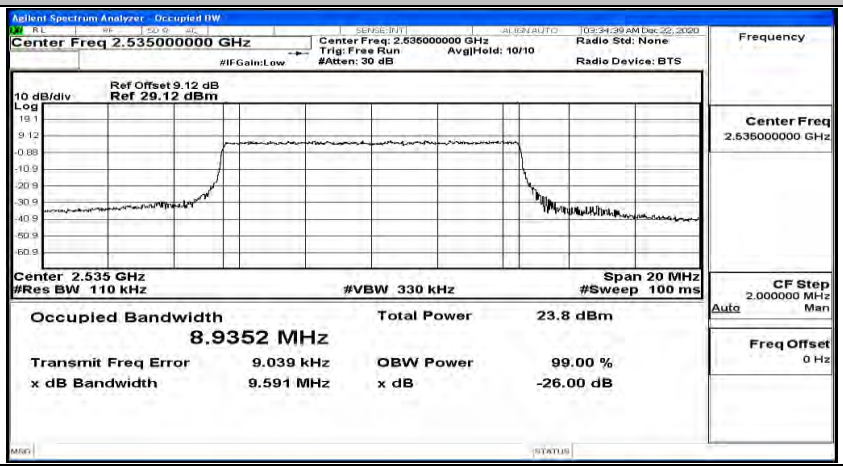
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



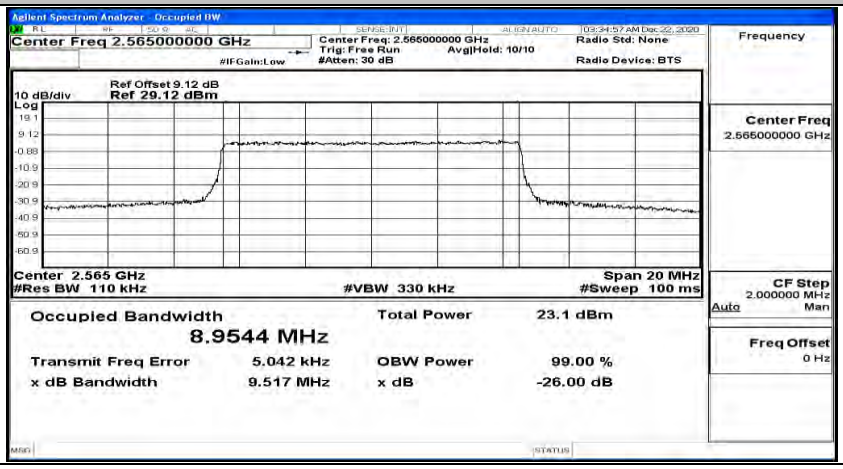
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



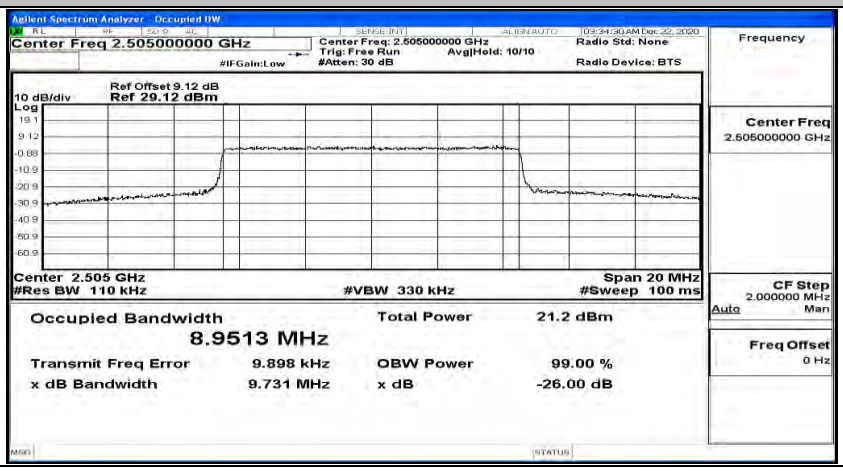
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



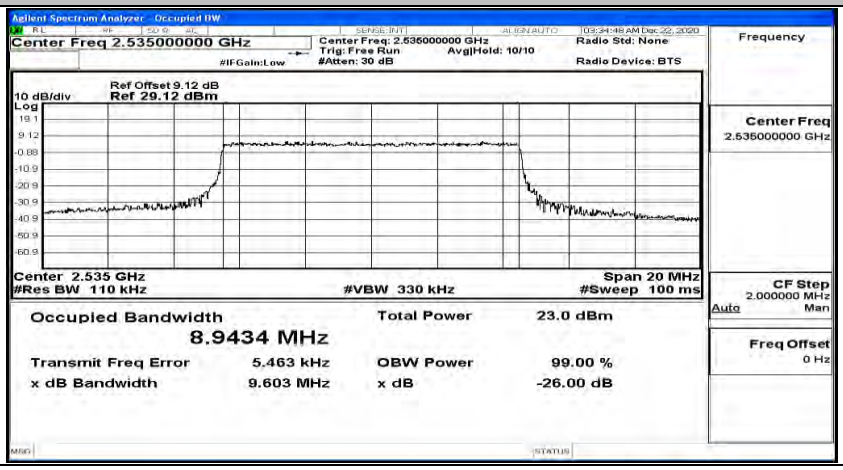
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



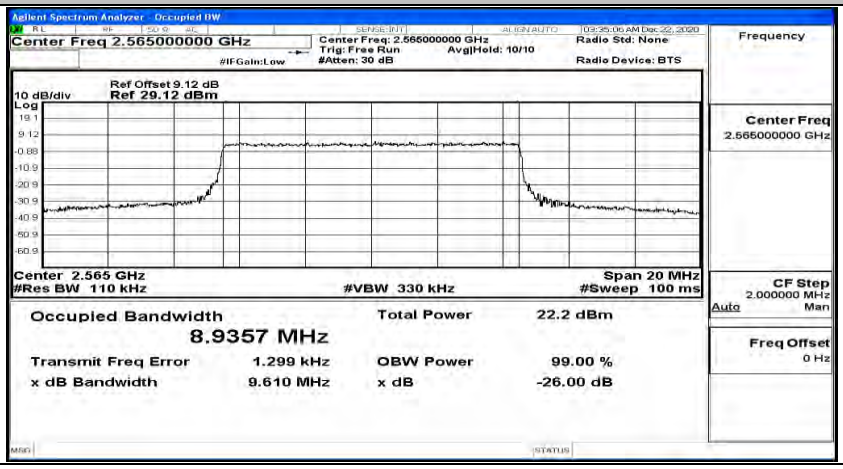
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



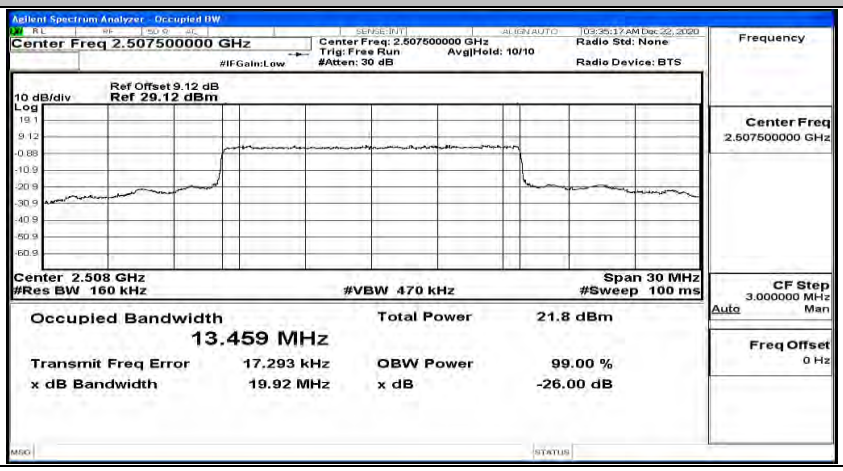
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



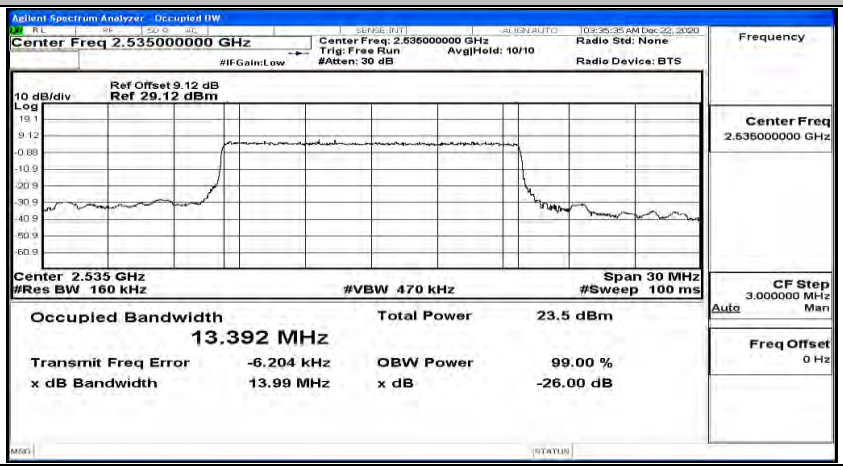
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



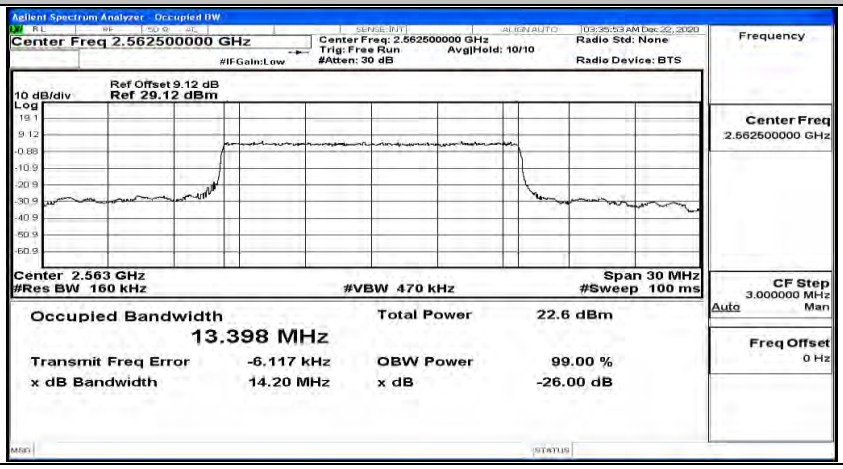
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



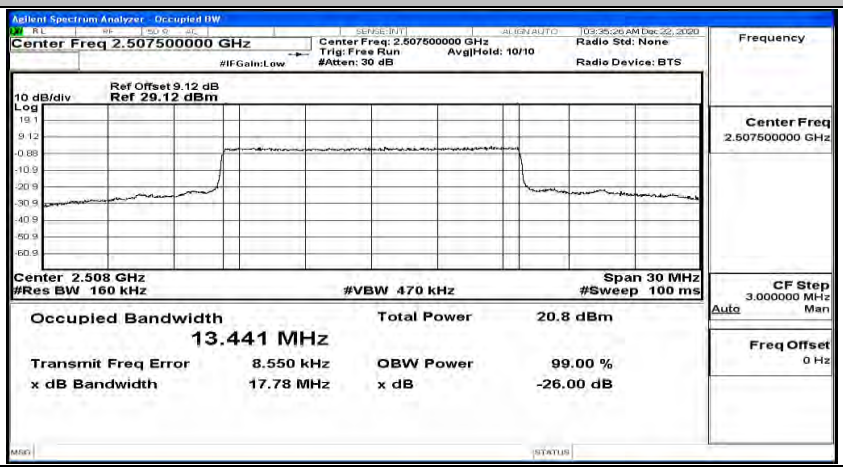
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK



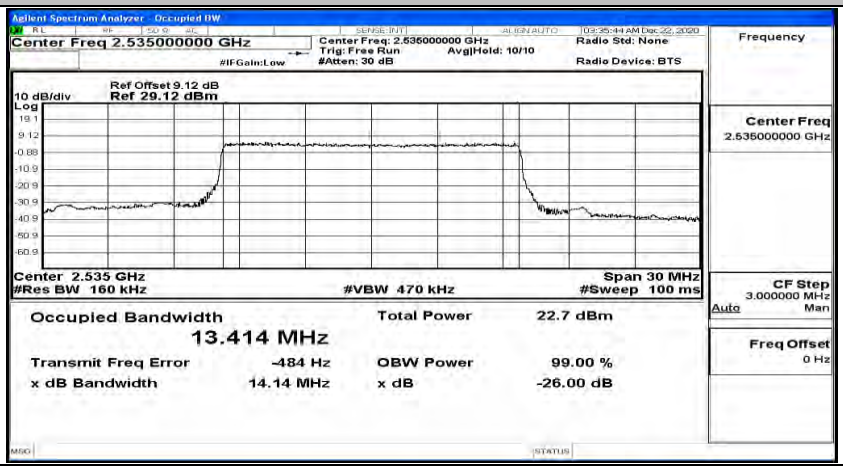
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



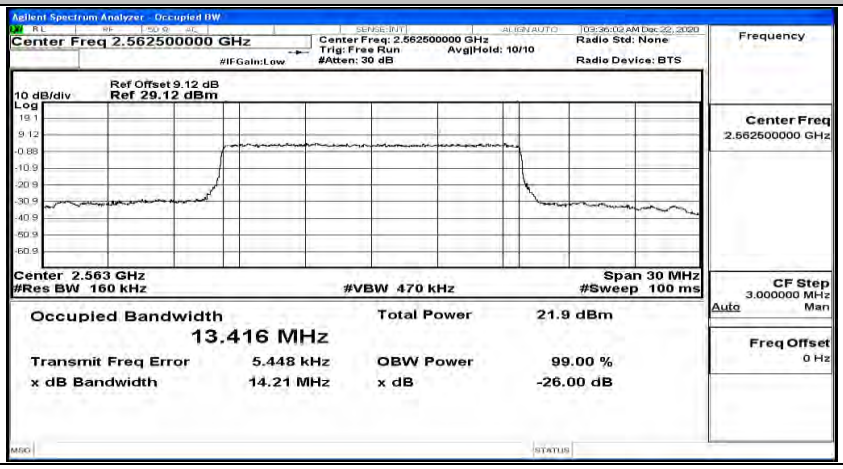
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



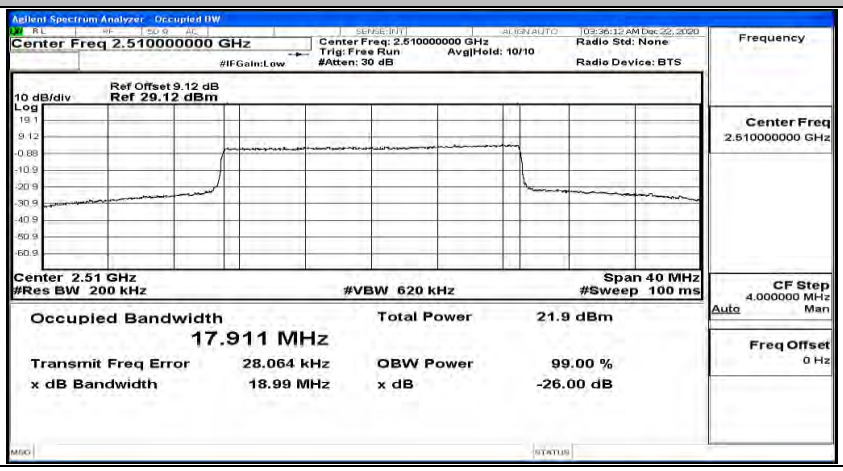
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM



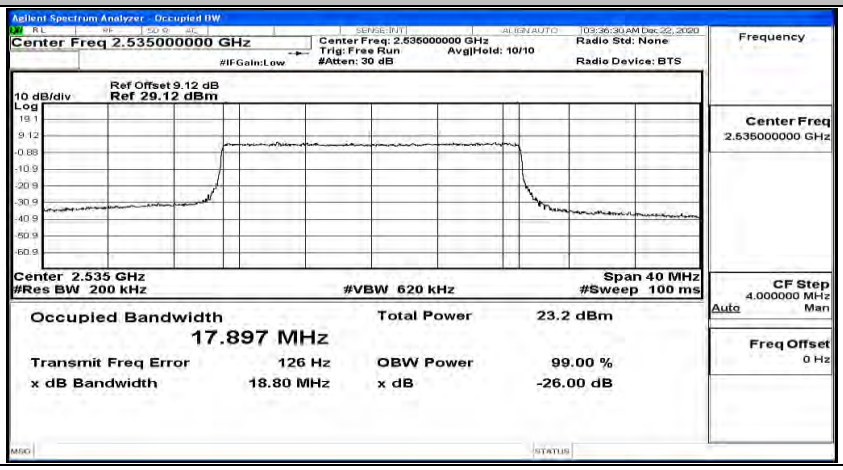
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



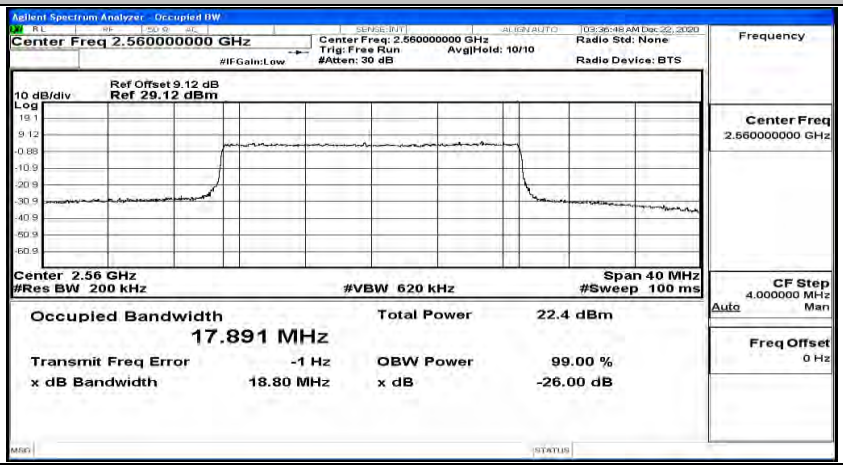
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



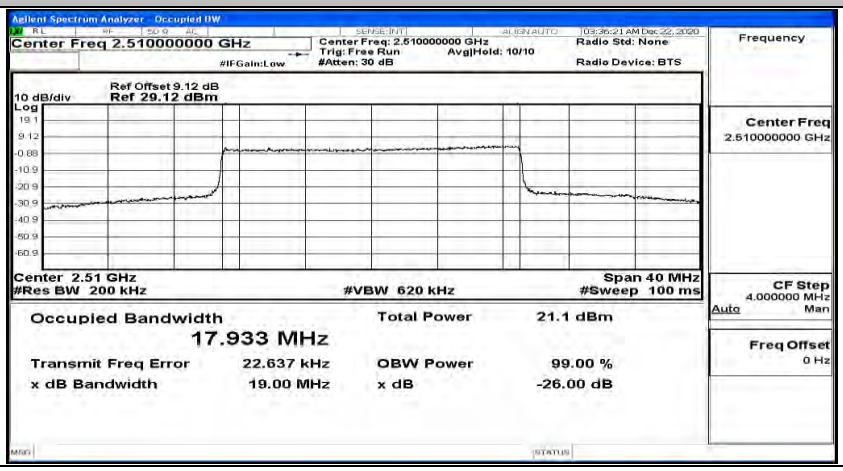
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK



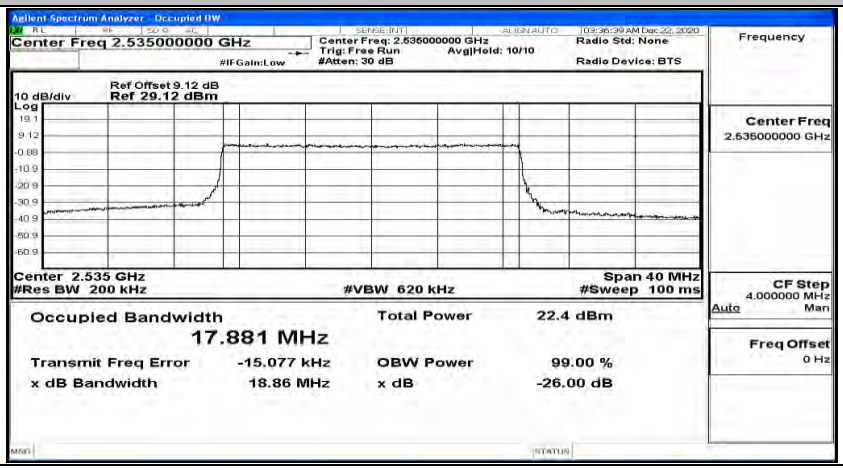
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



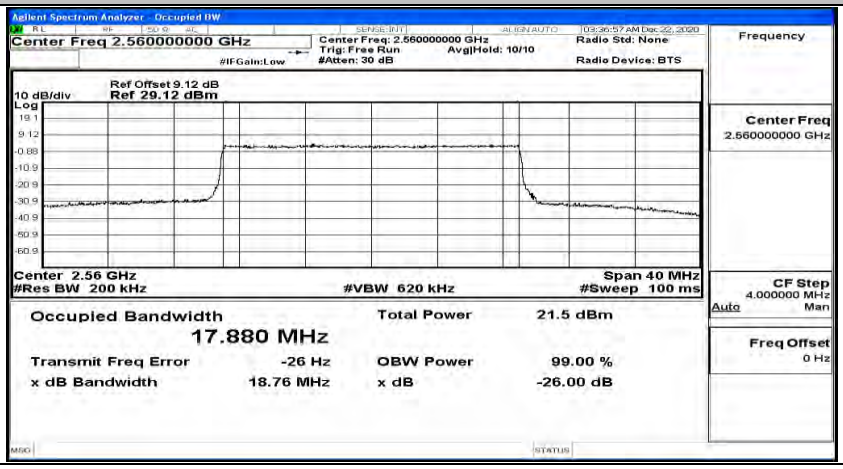
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM



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

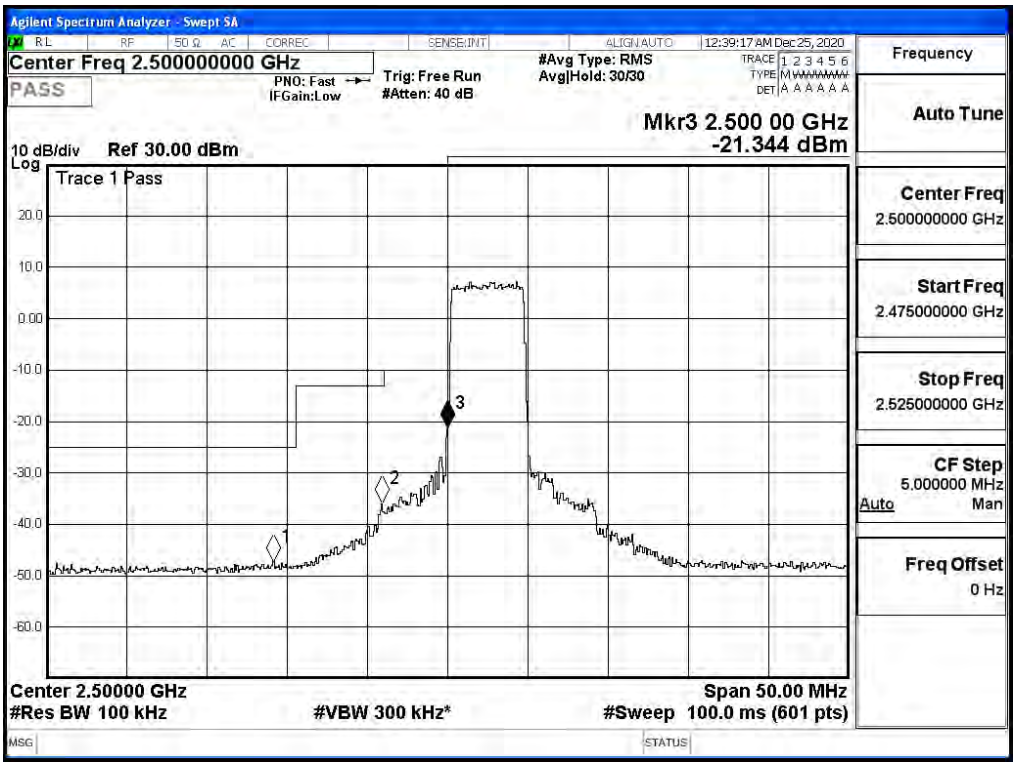


EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM

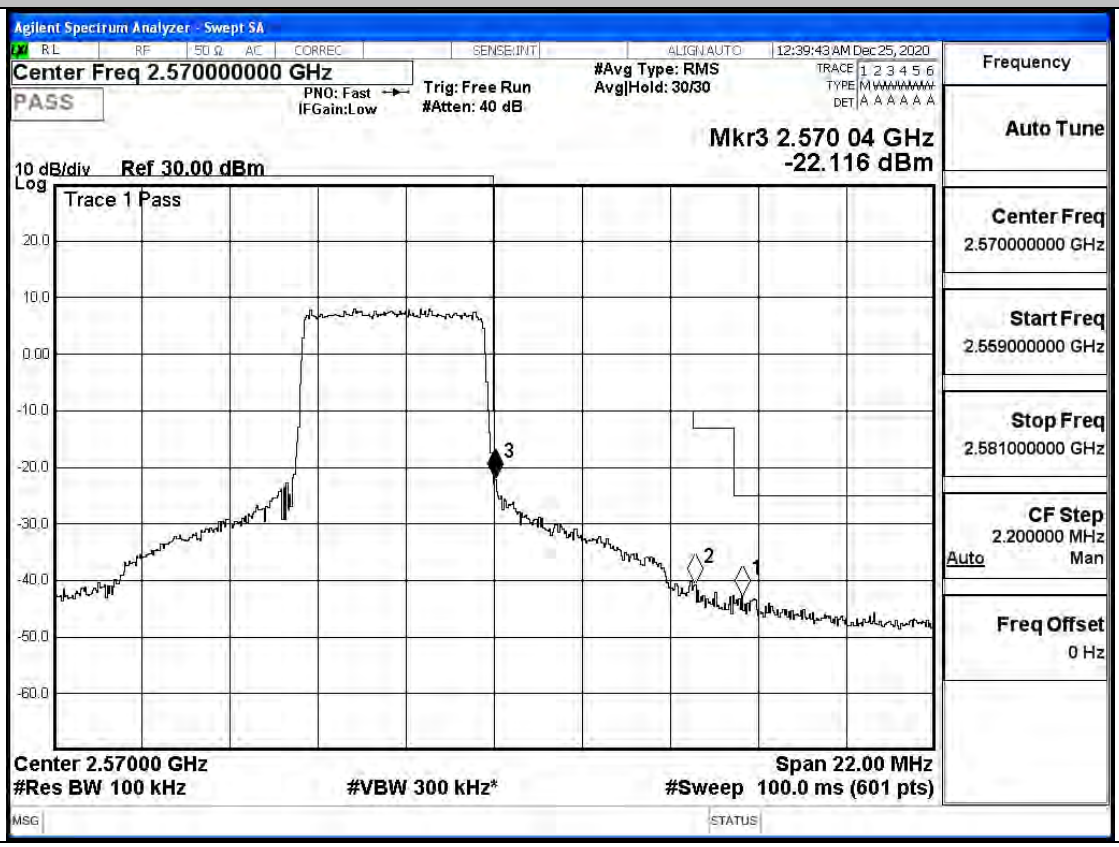


G.4 Band Edge

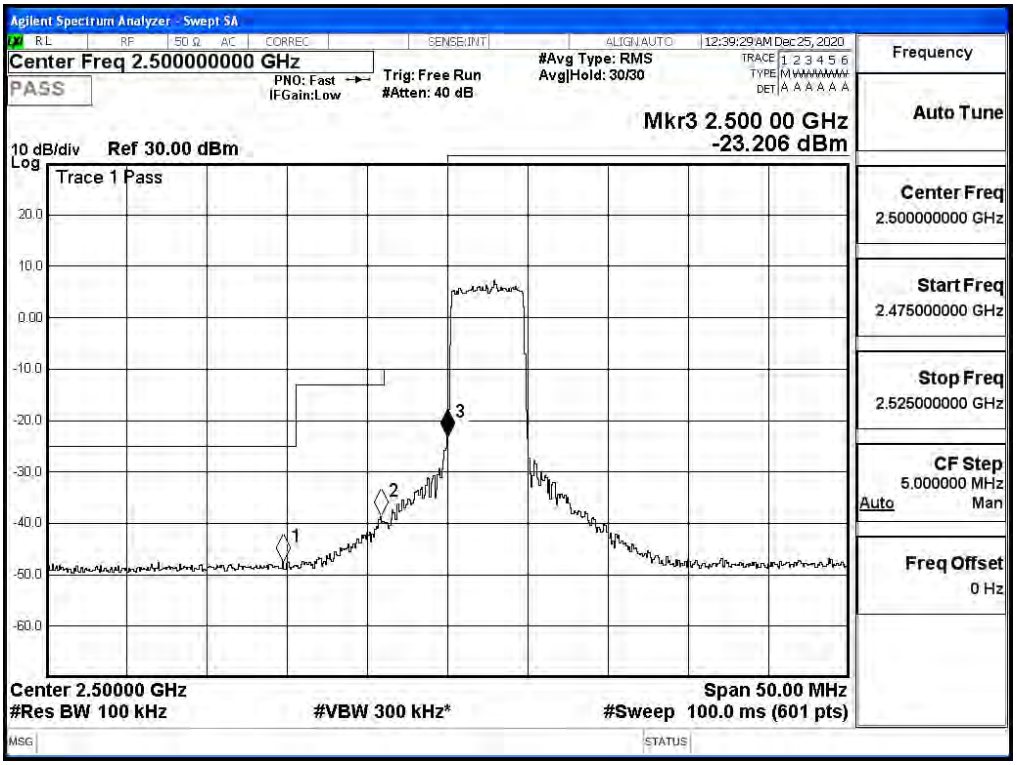
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



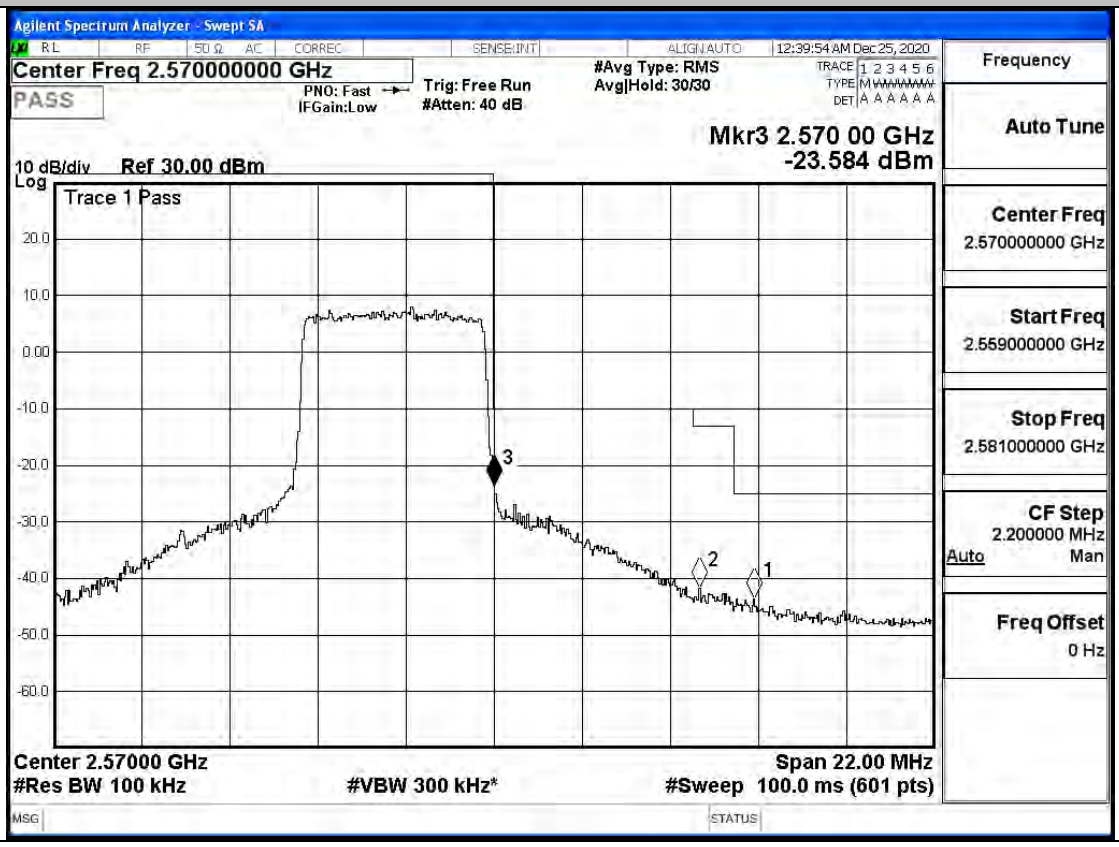
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



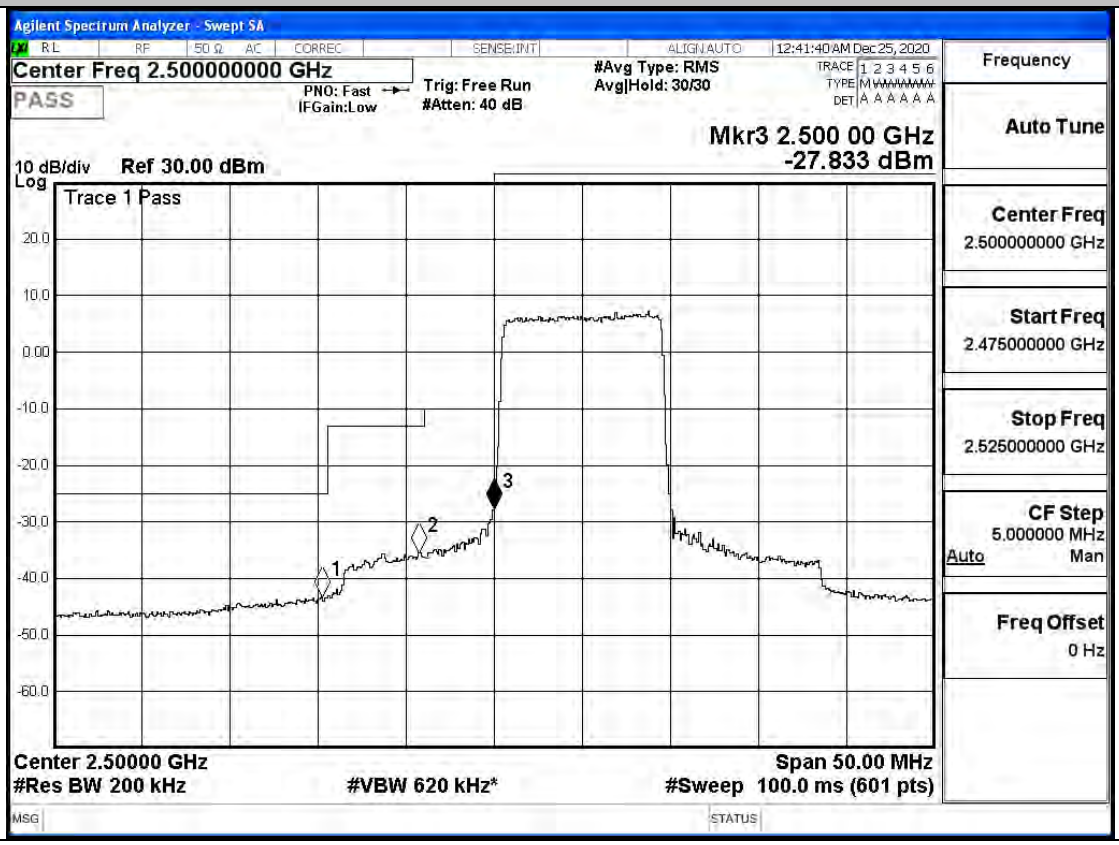
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



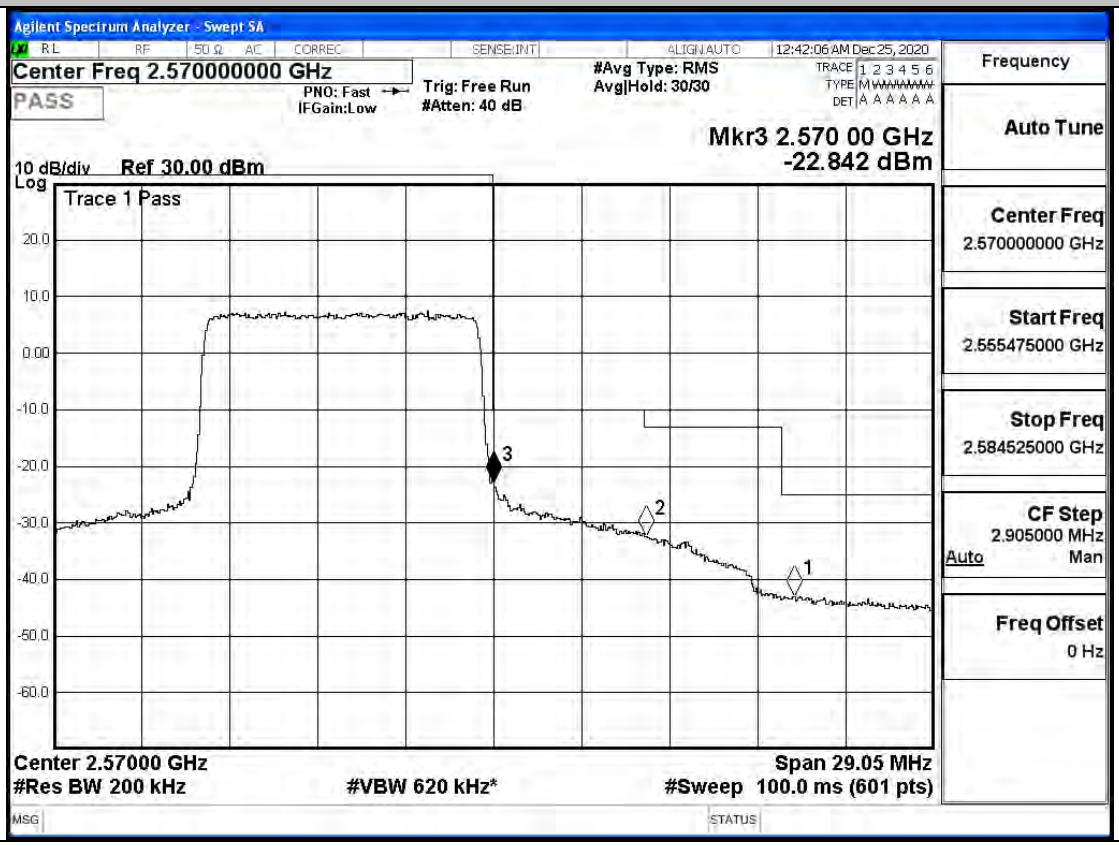
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



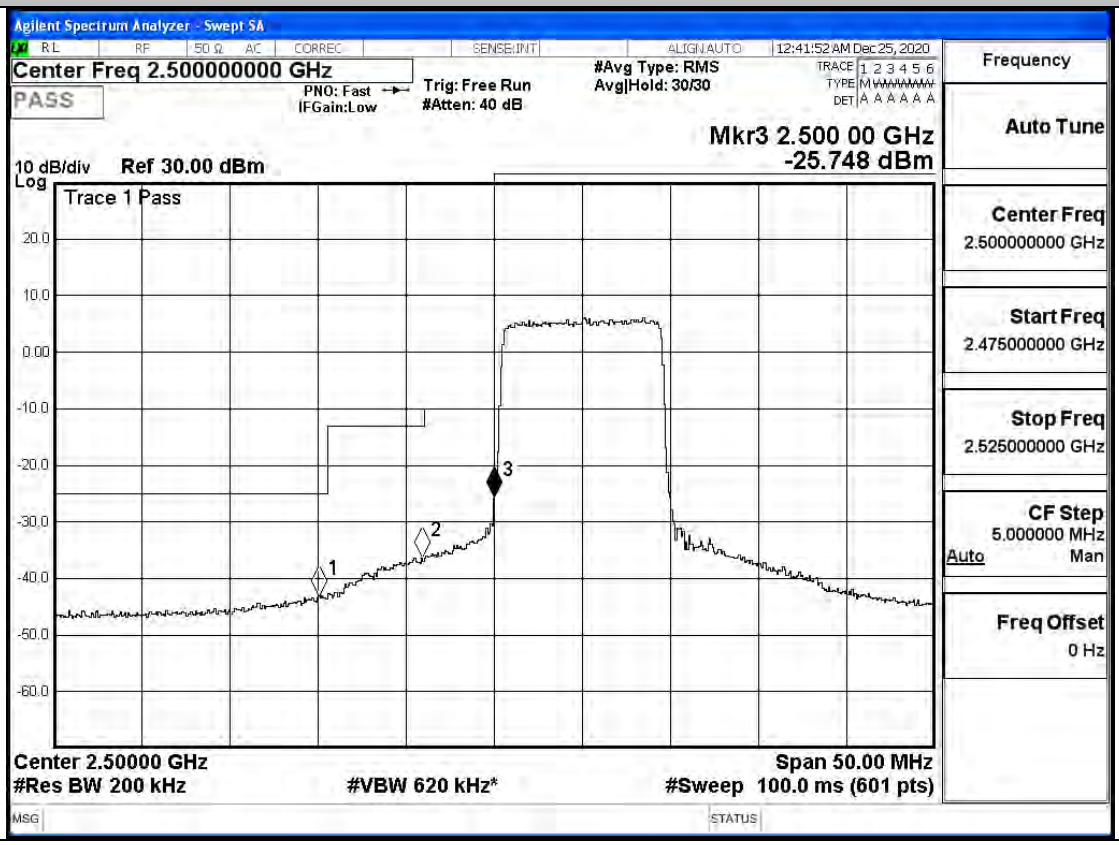
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



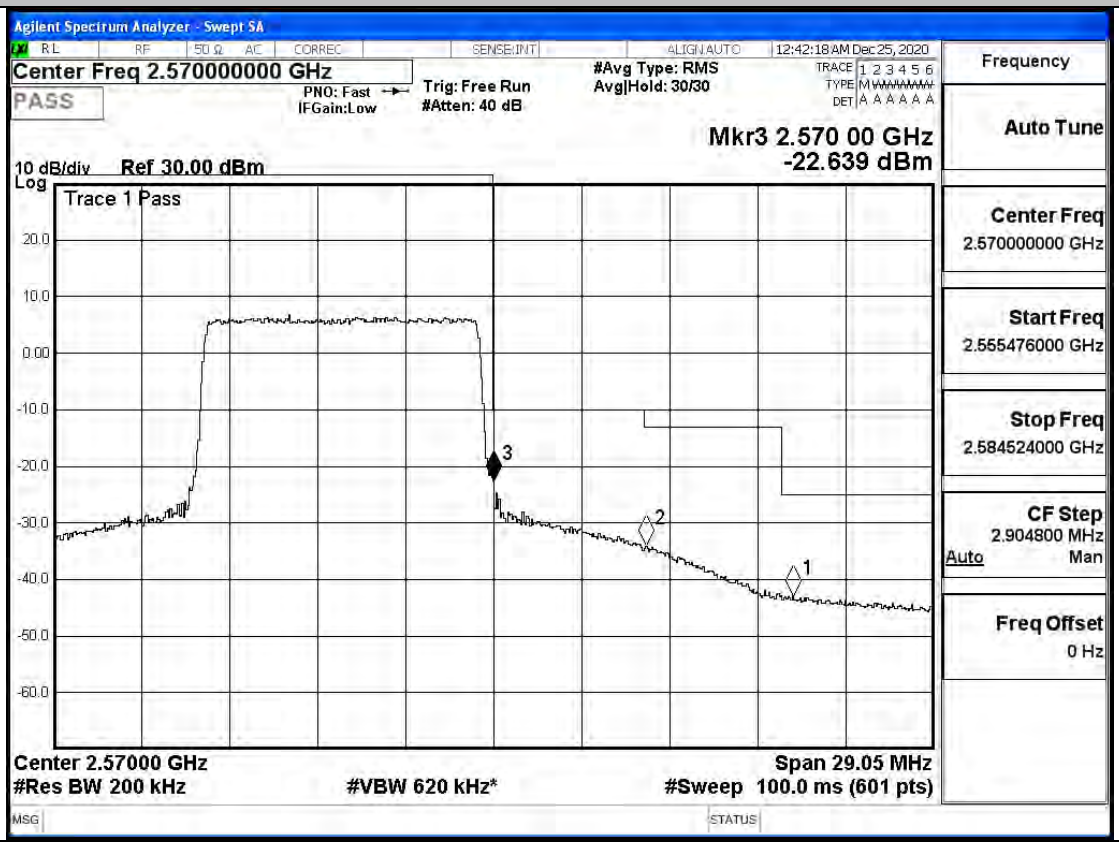
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



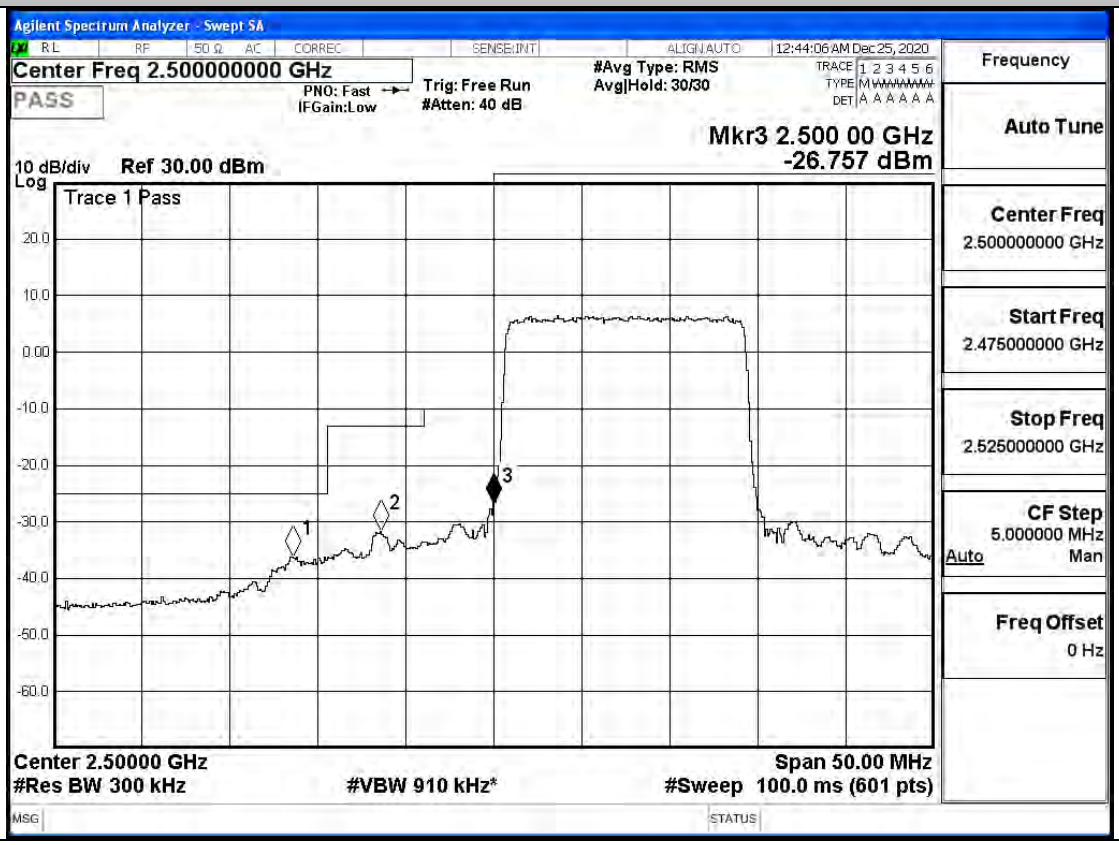
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



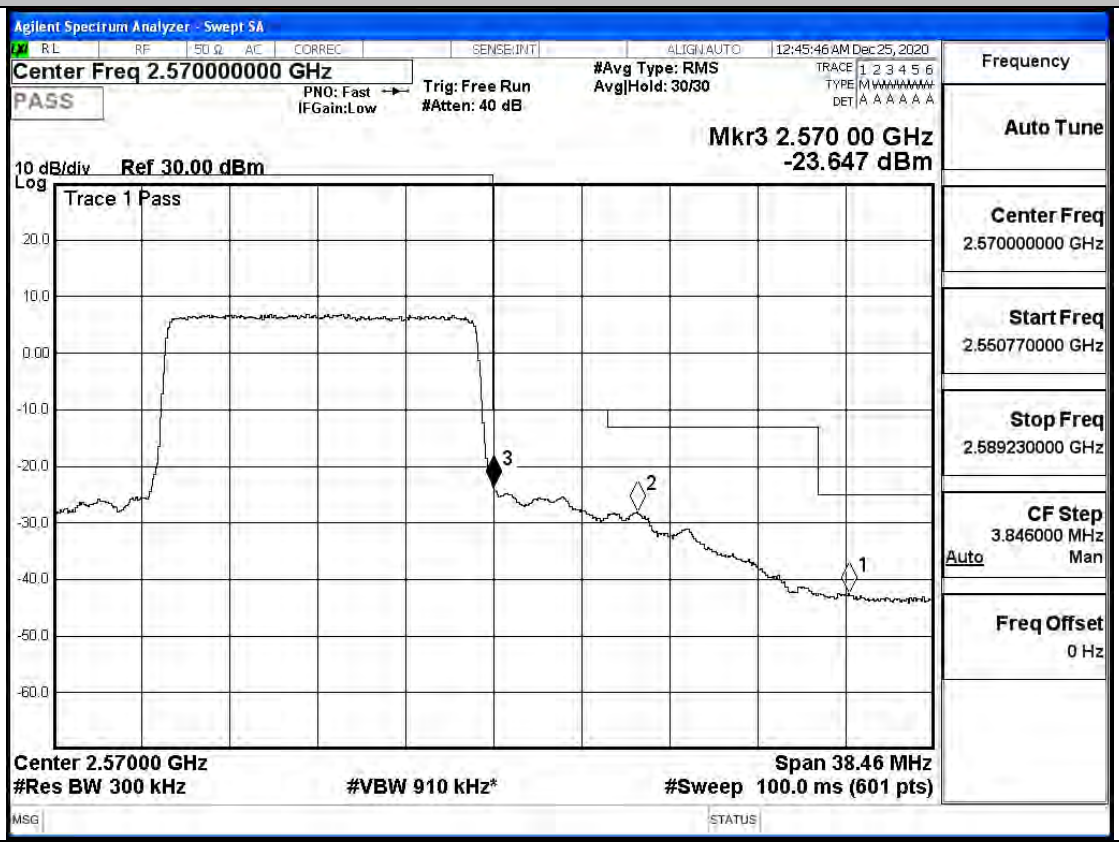
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



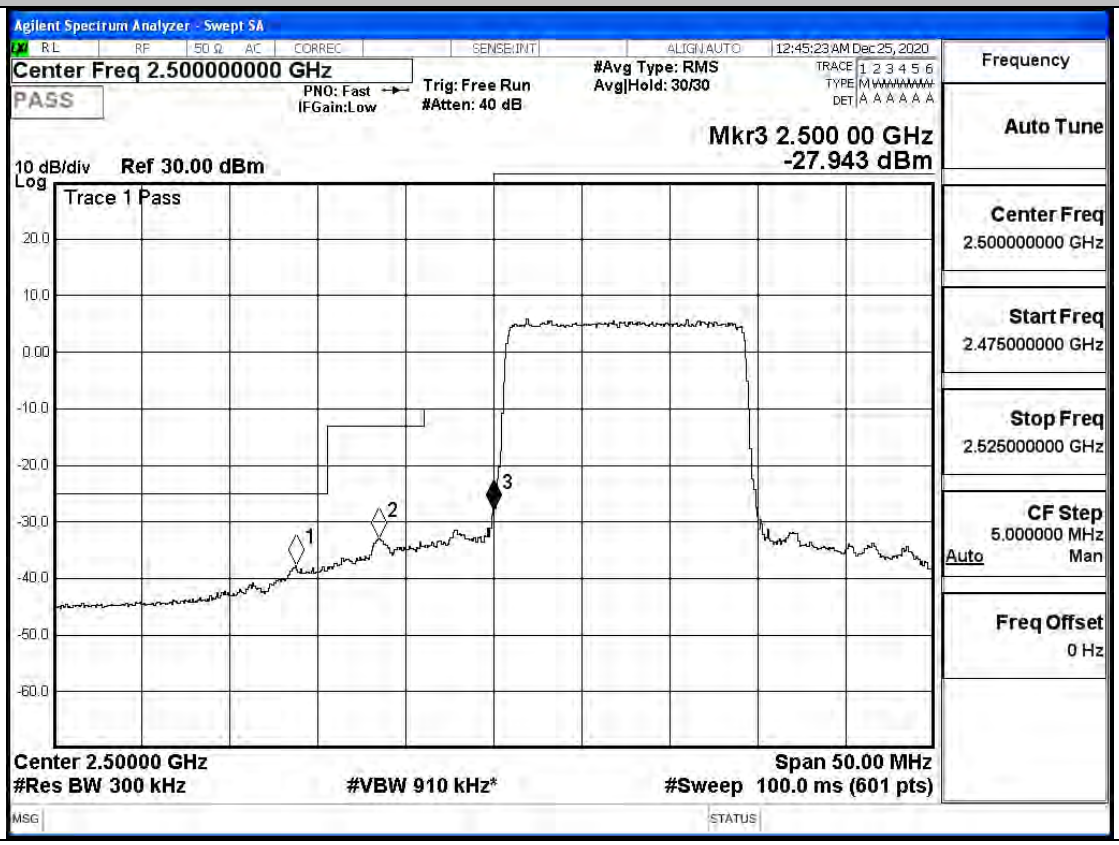
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



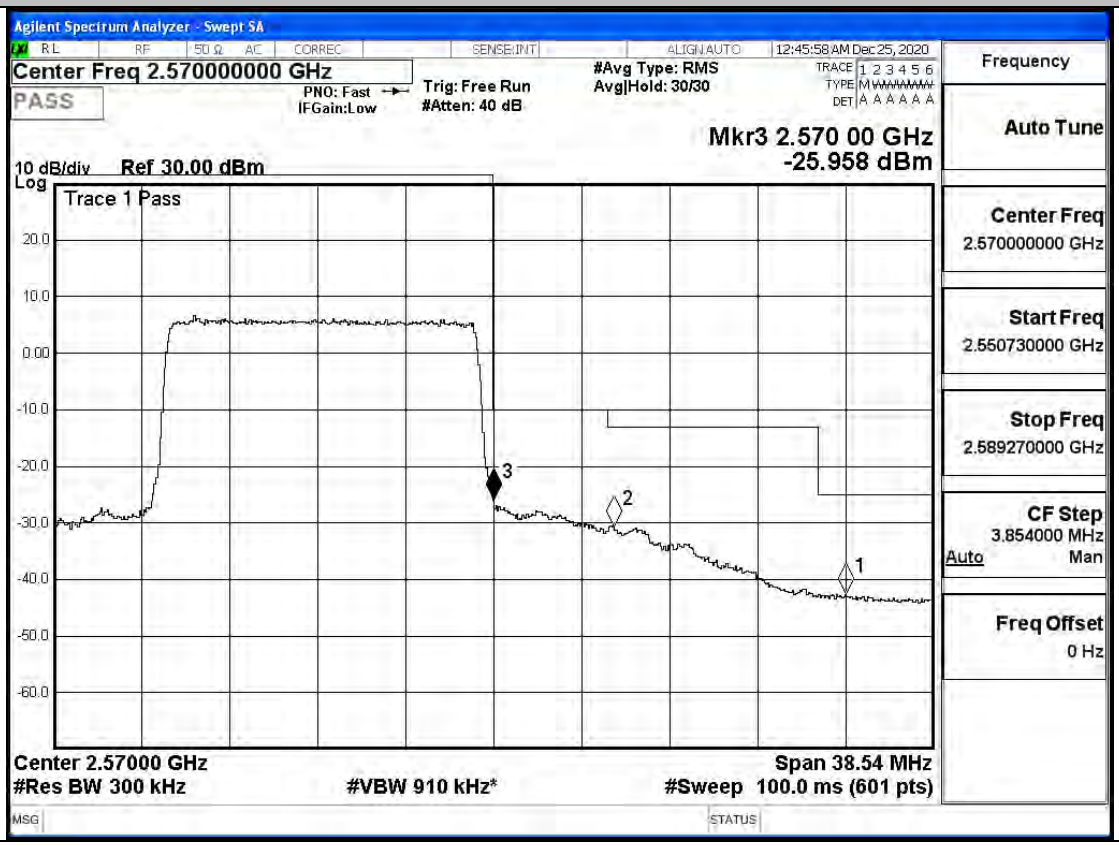
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



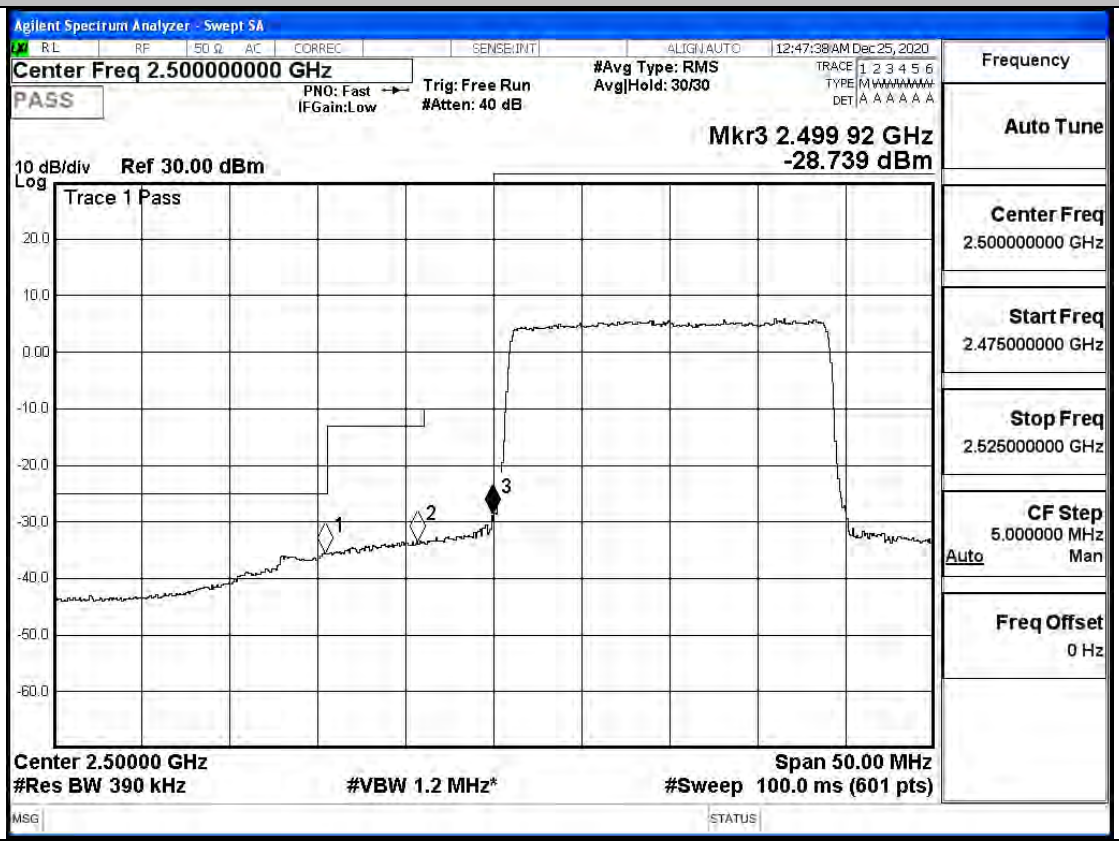
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



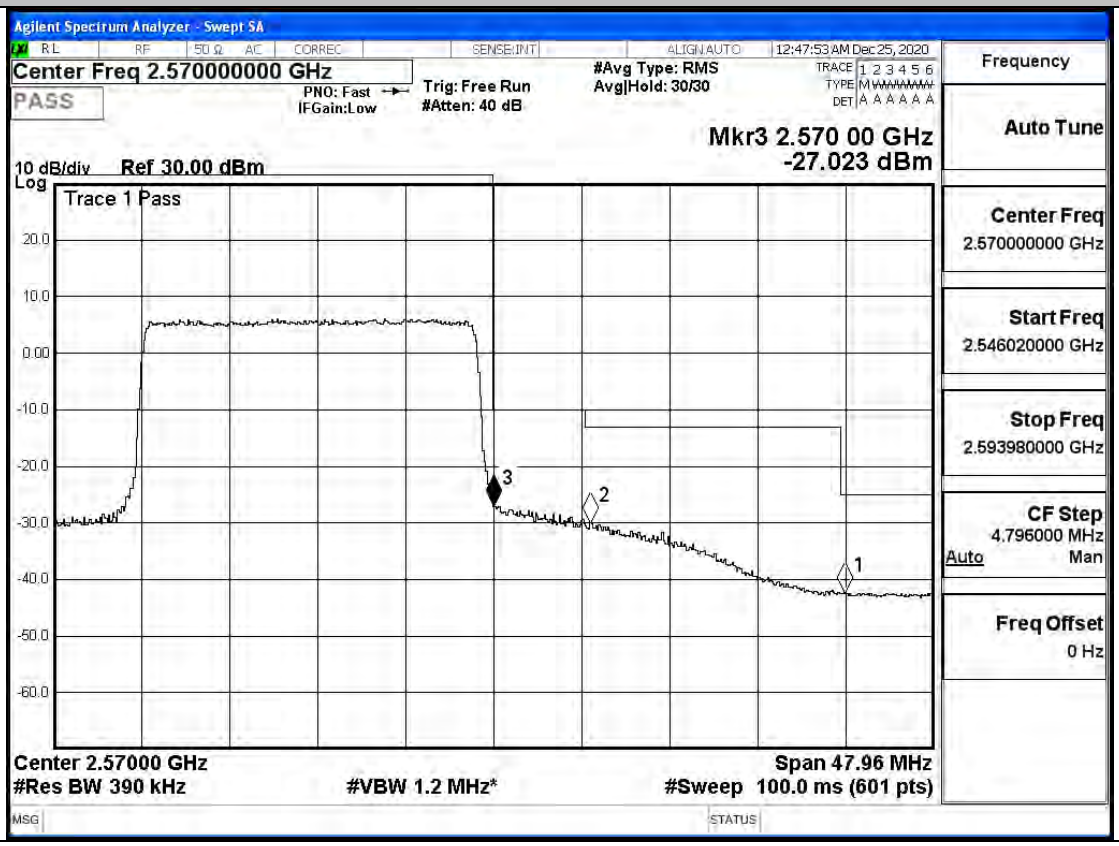
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



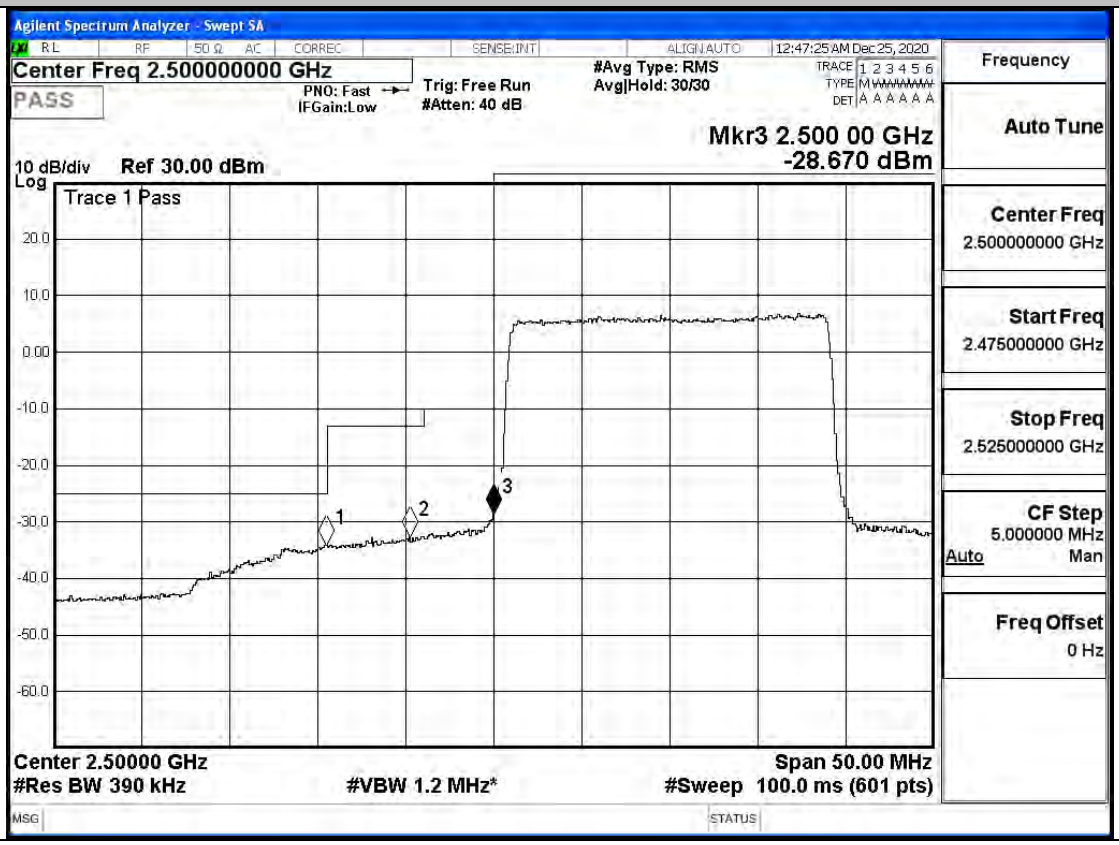
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



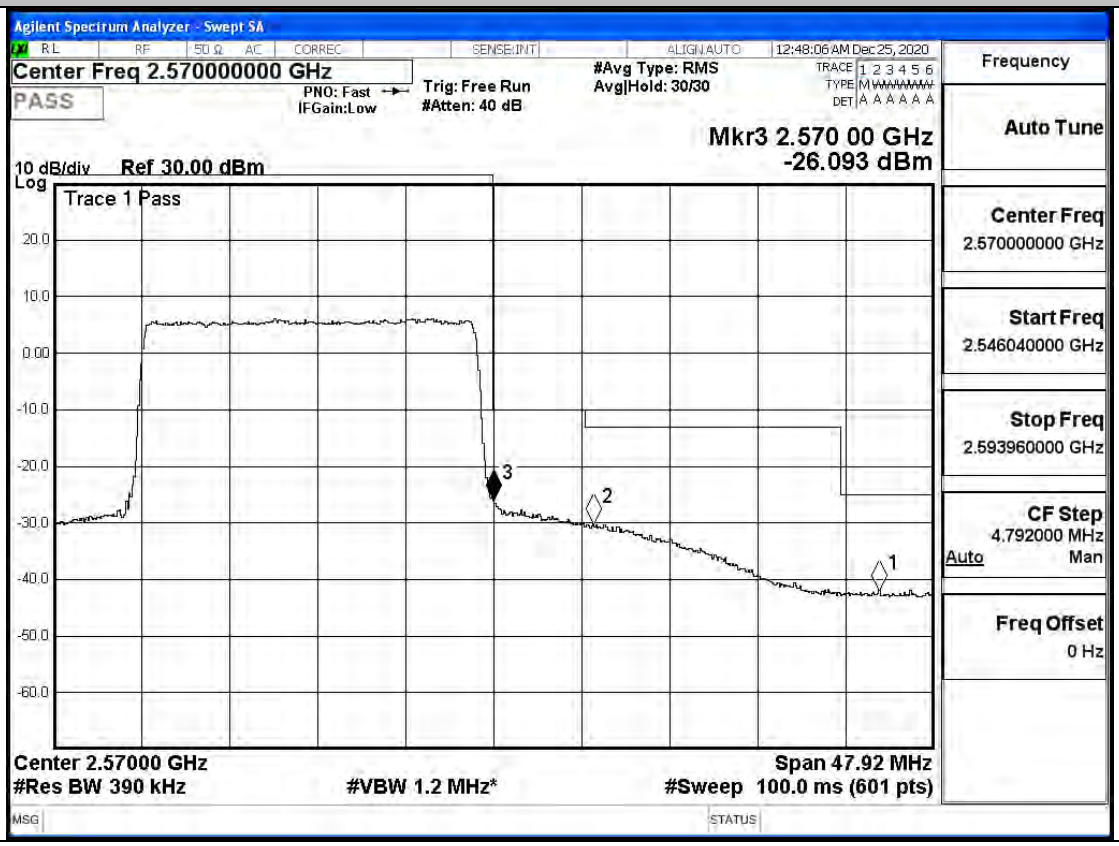
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



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



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

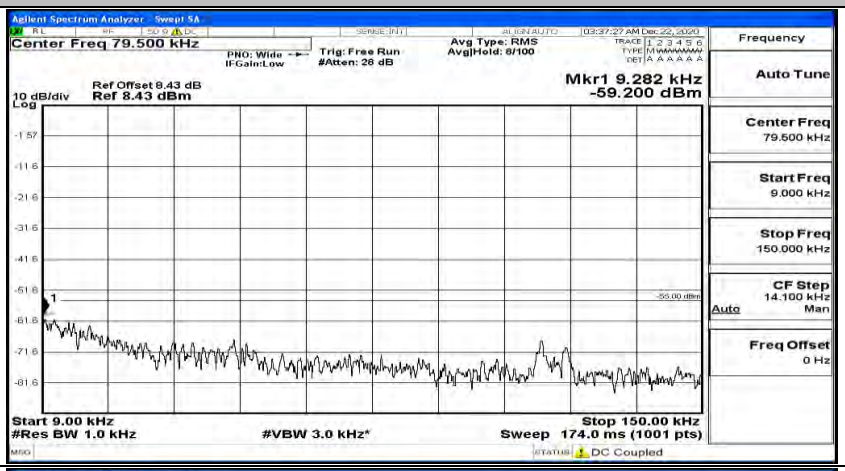


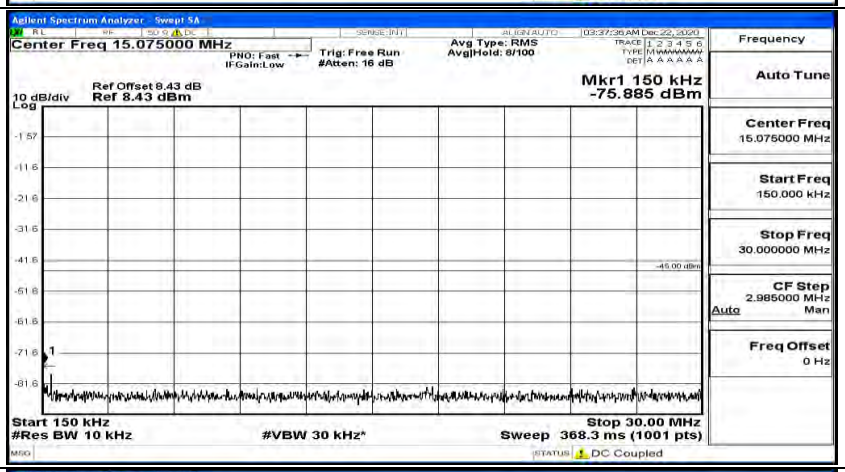
G.5 Conducted Spurious Emission

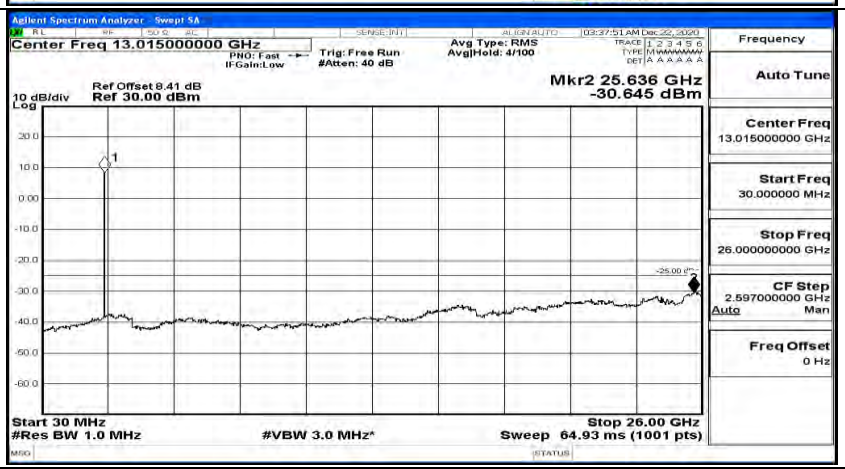
Test Graphs

Channel Bandwidth: 5 MHz

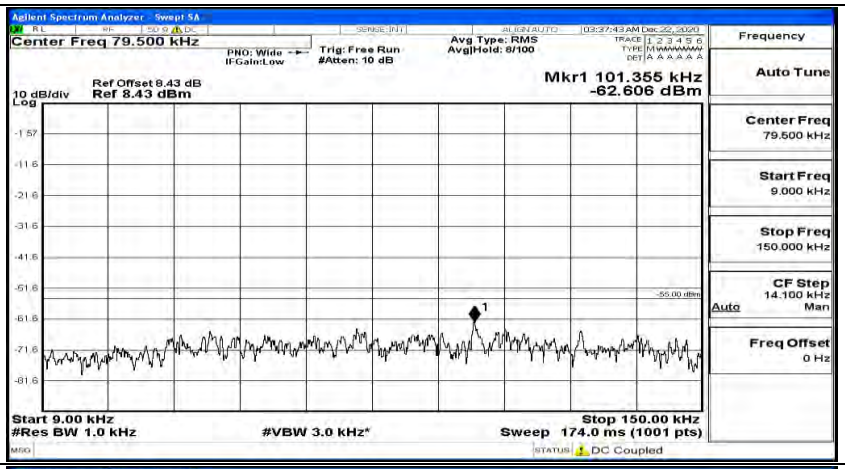
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

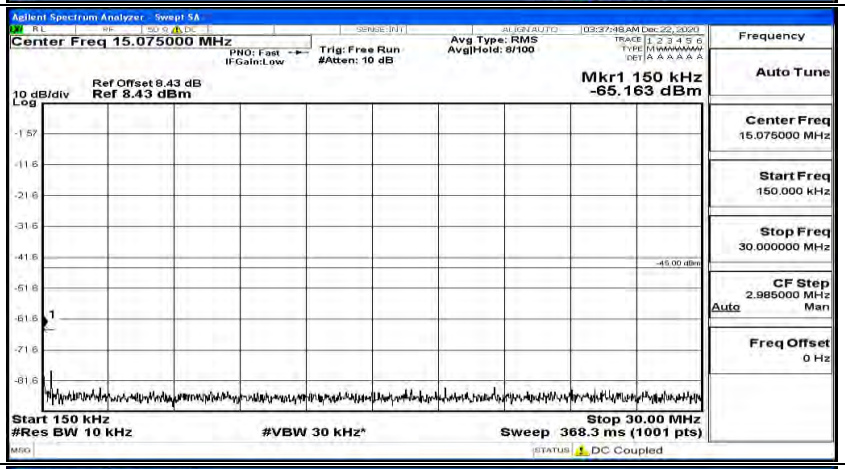


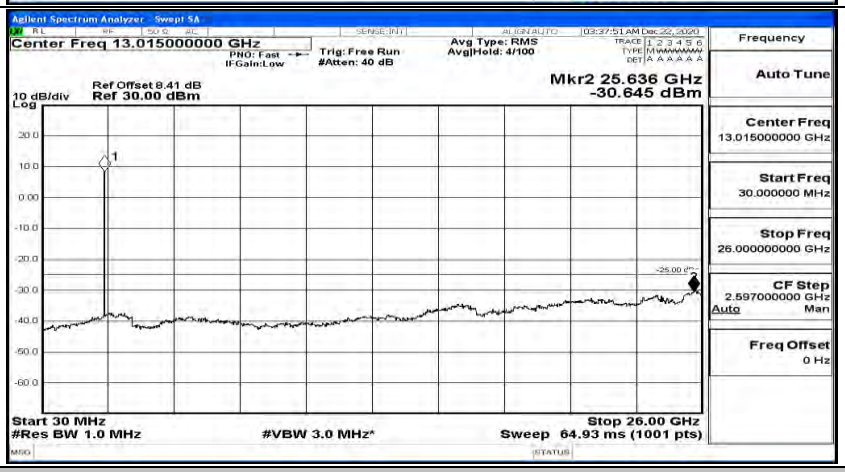




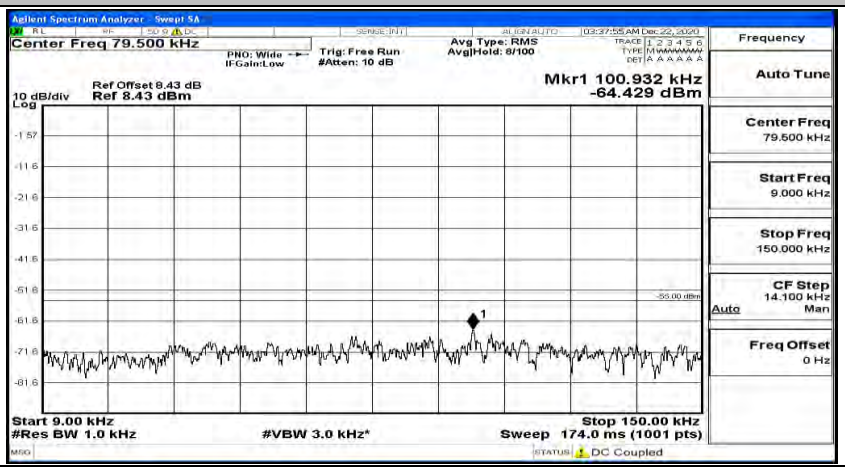
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12

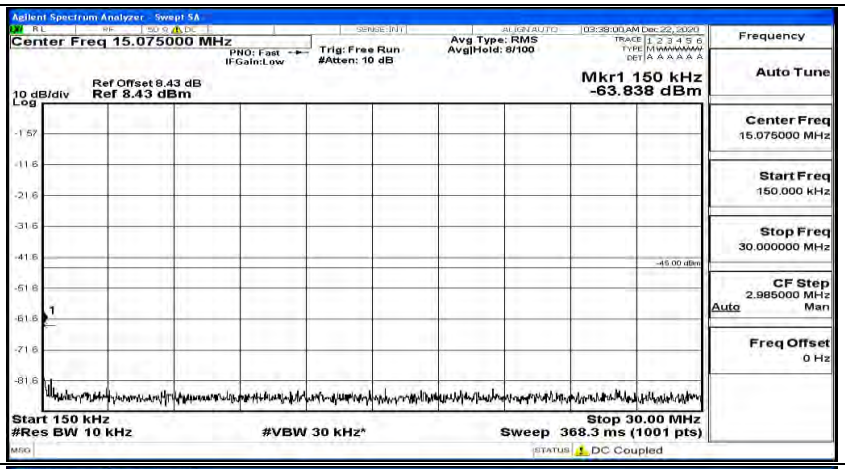


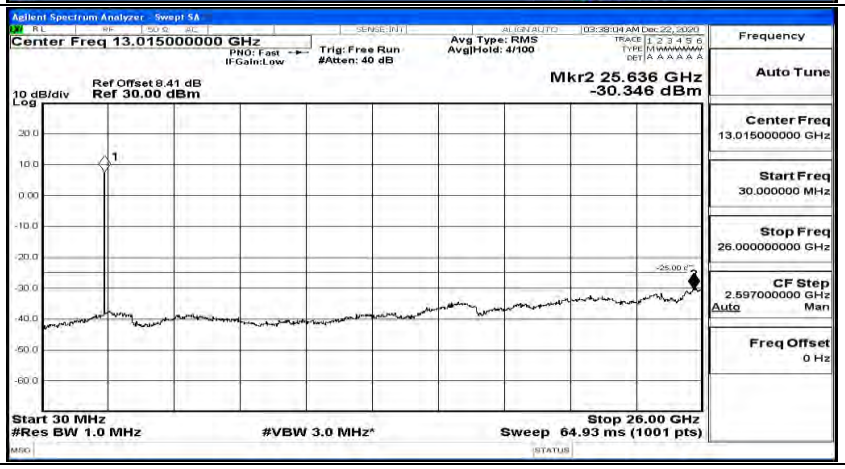




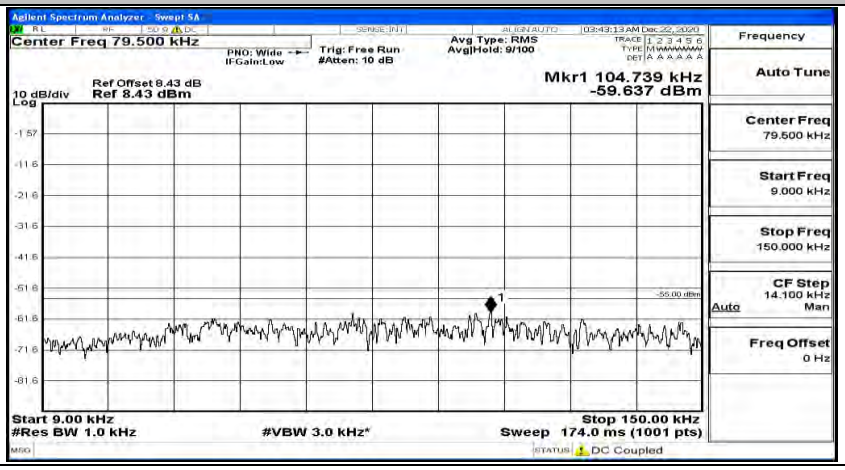
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24

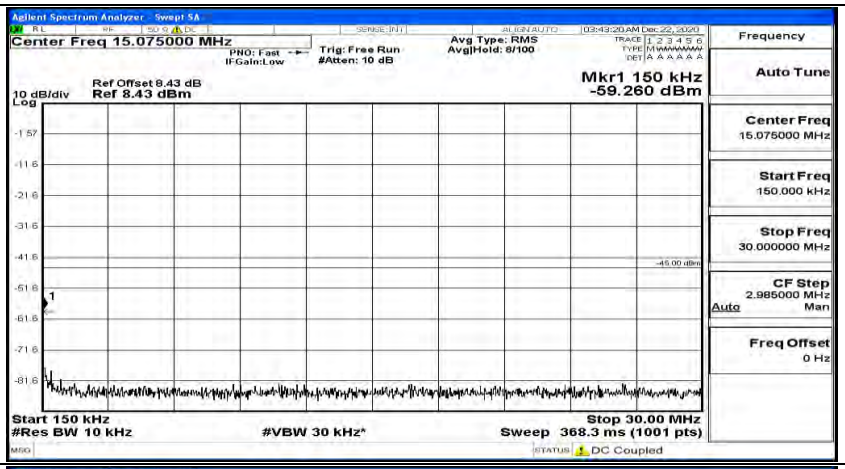


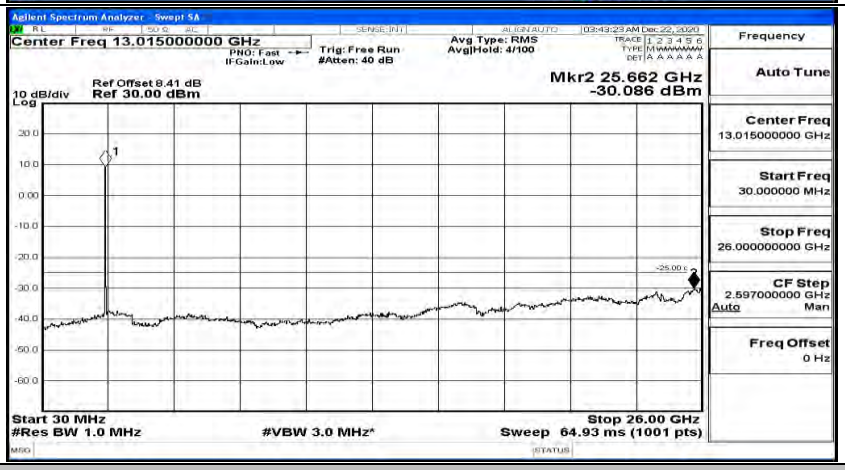




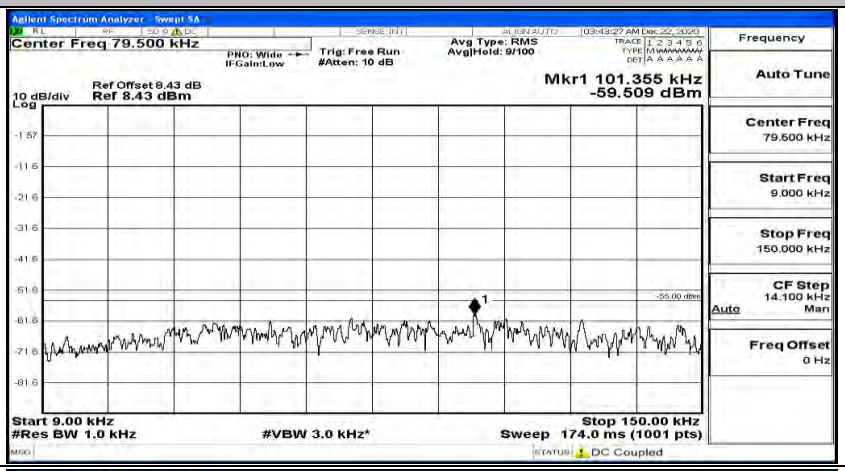
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

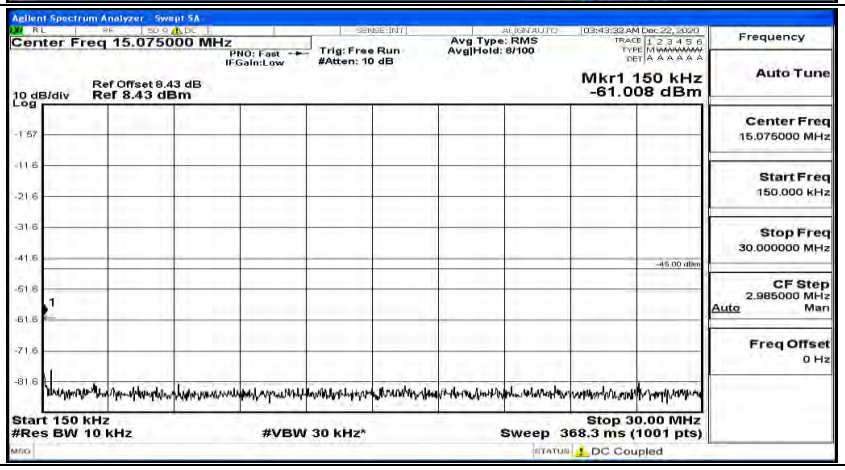


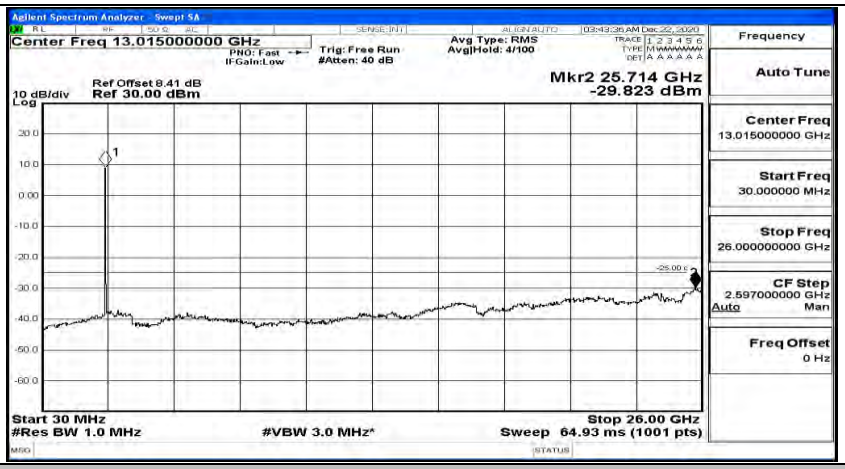




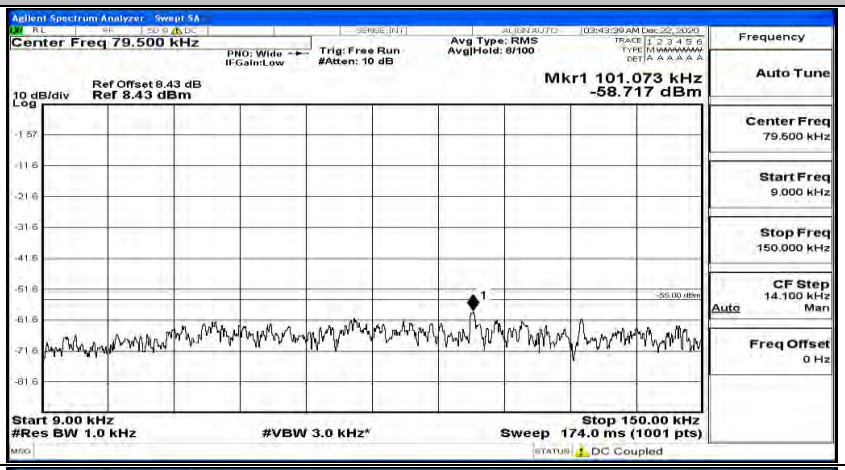
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

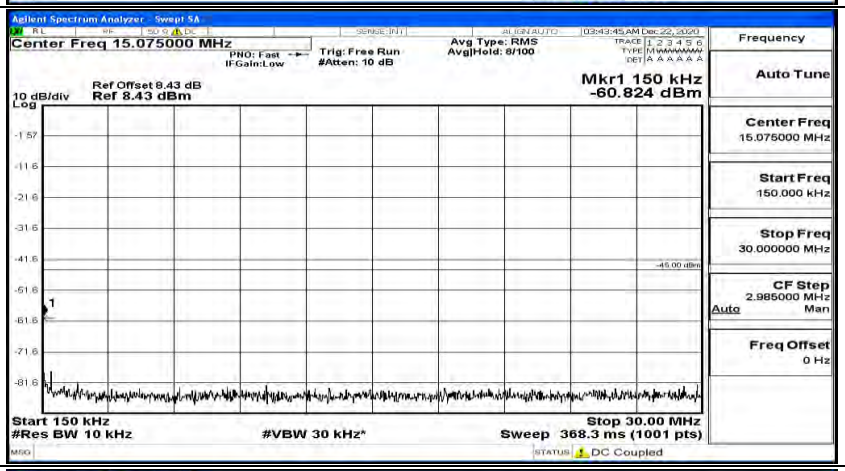


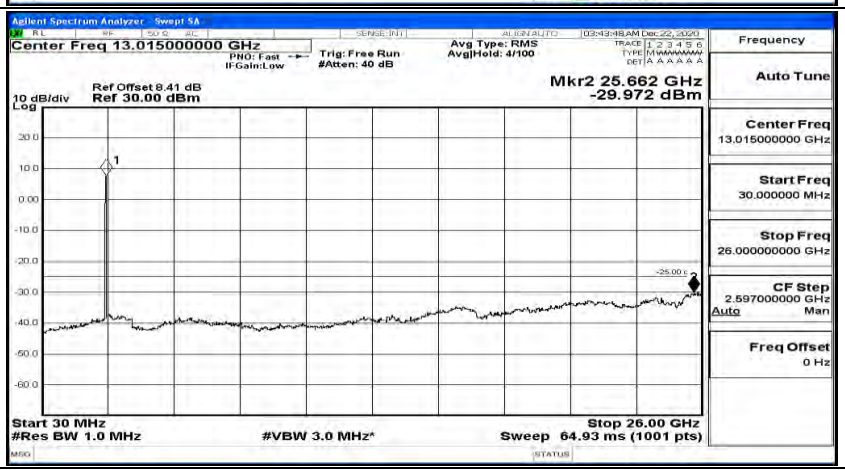




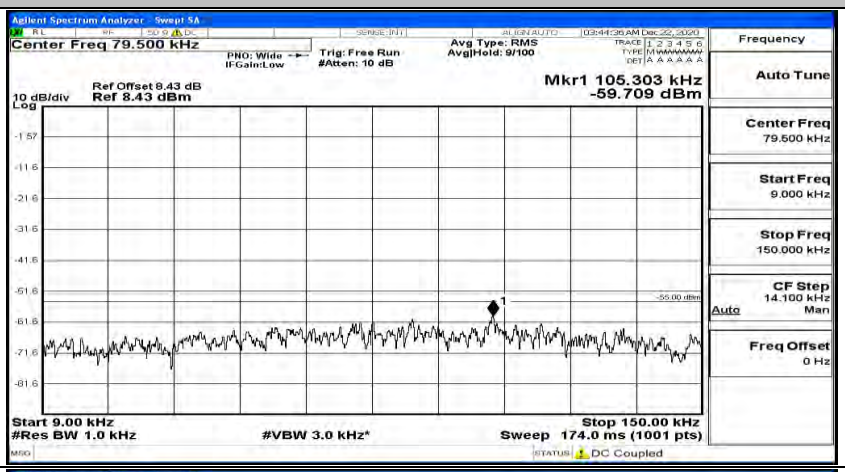
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

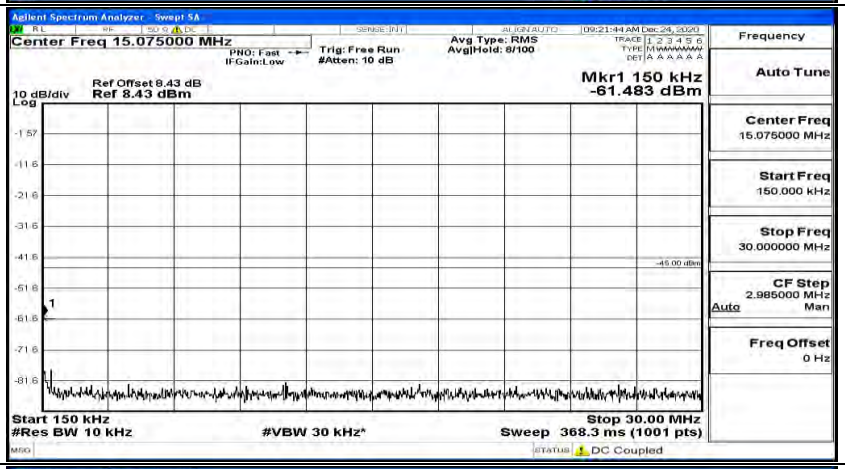


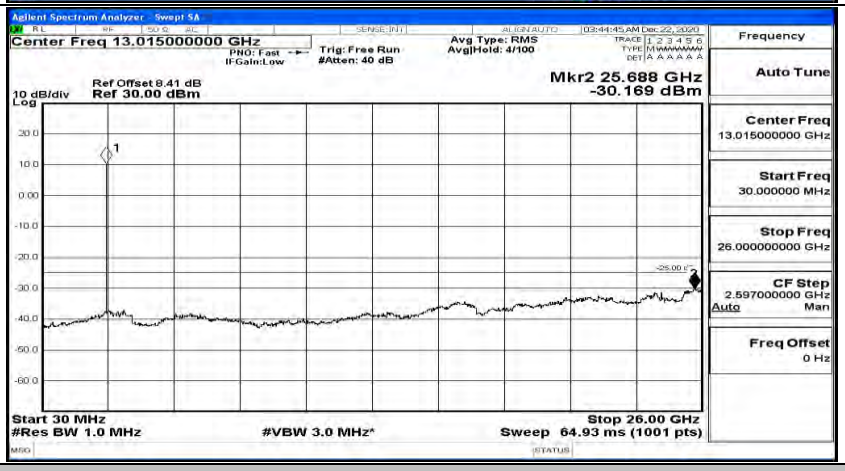




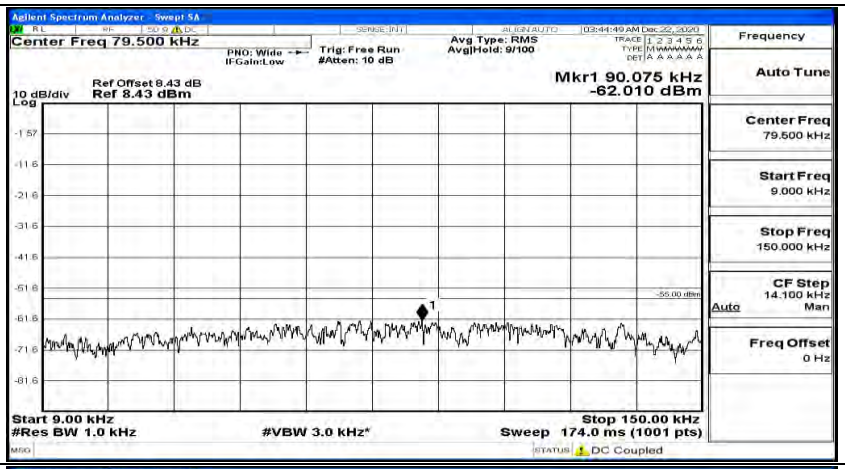
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

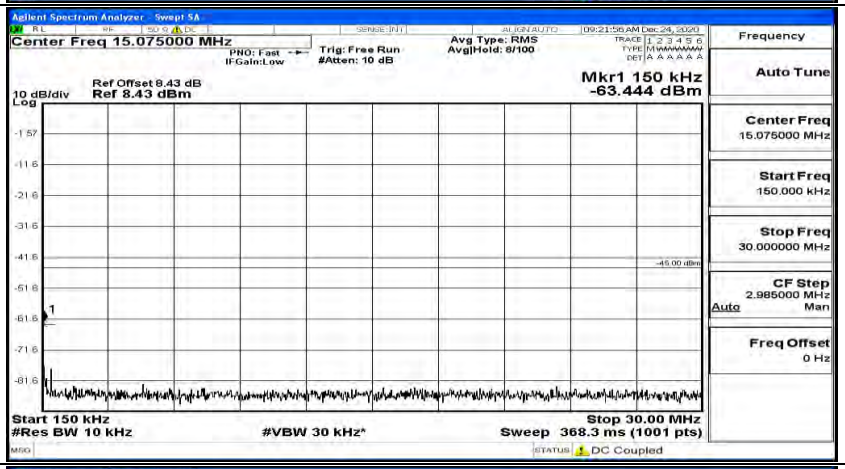




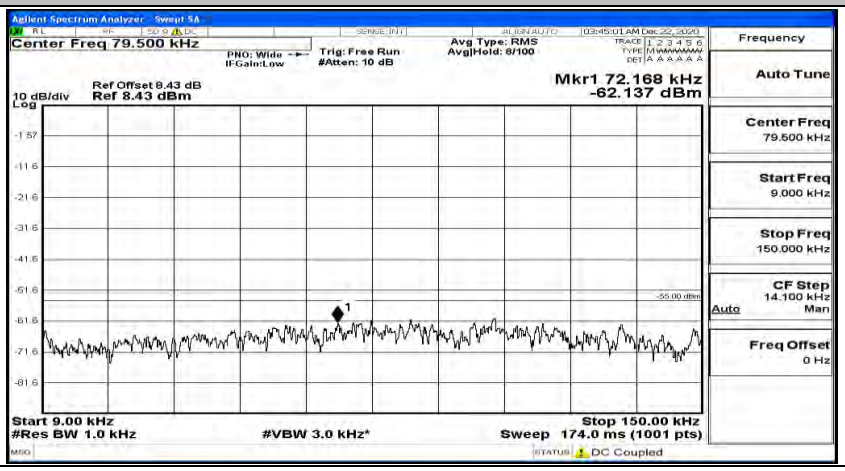


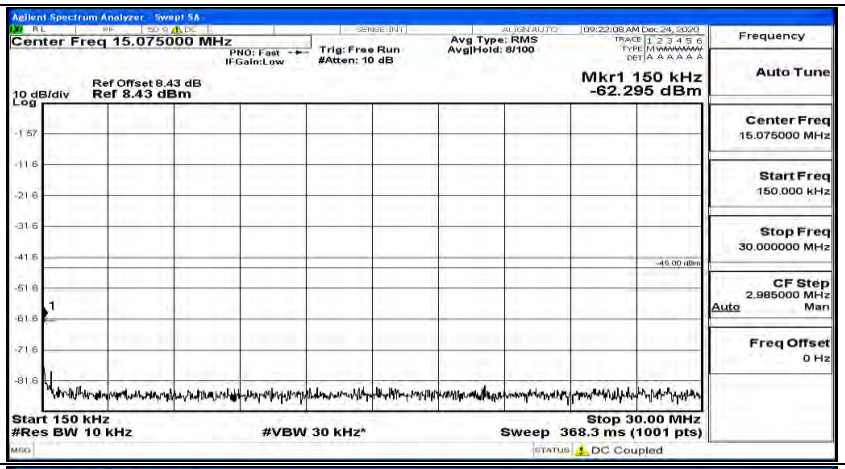
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

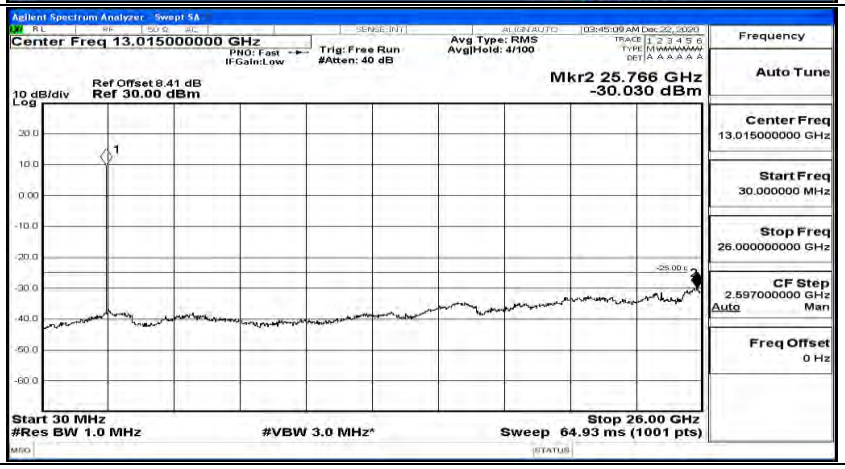




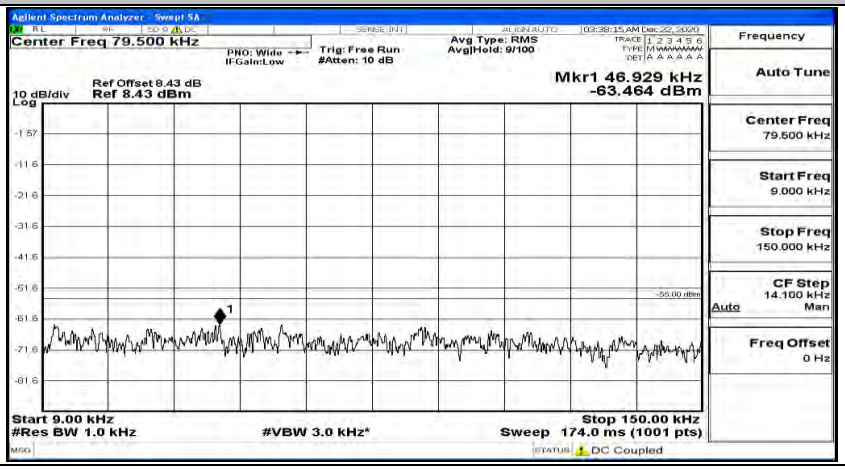
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24

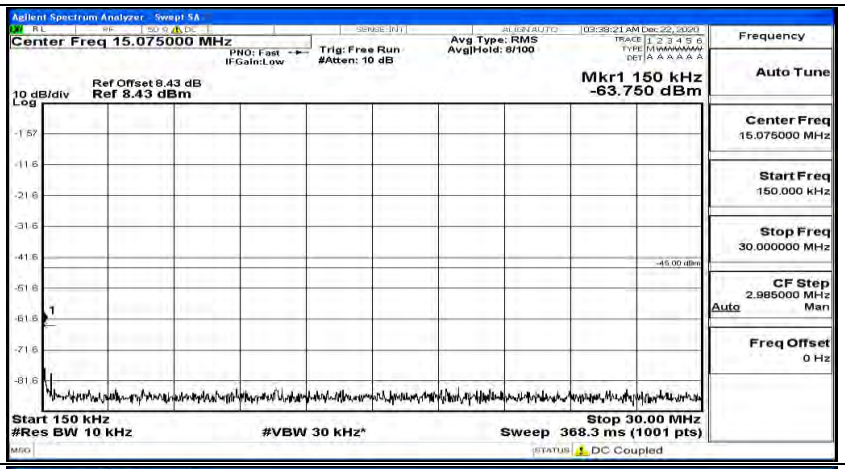




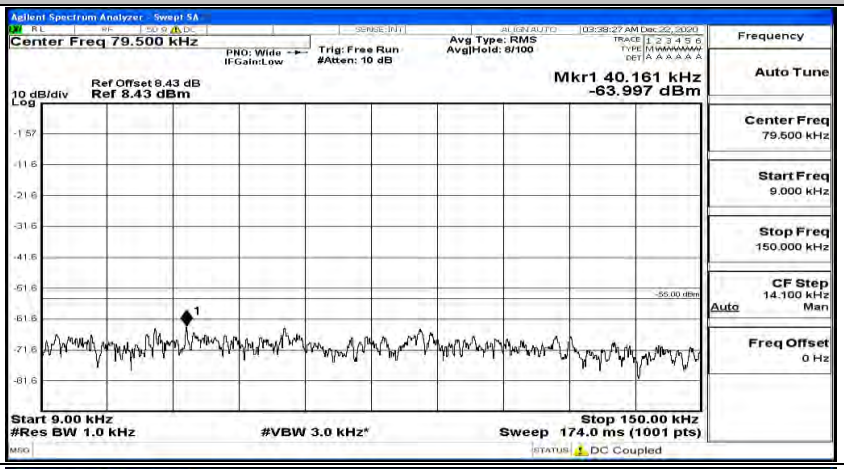


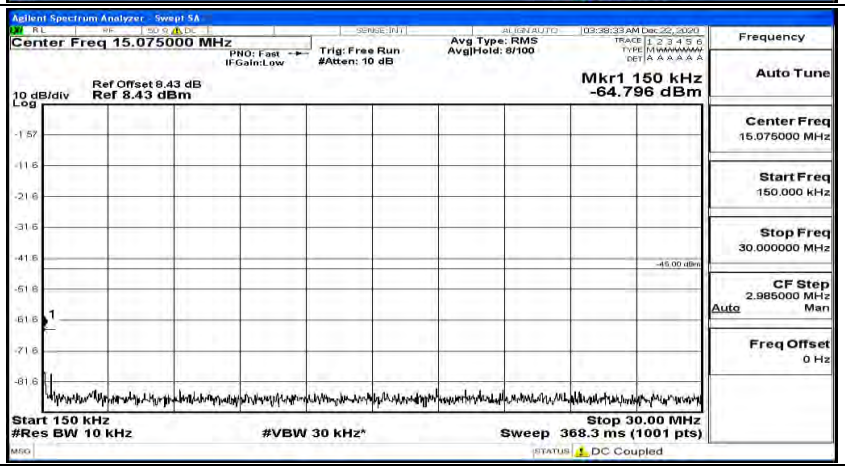
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



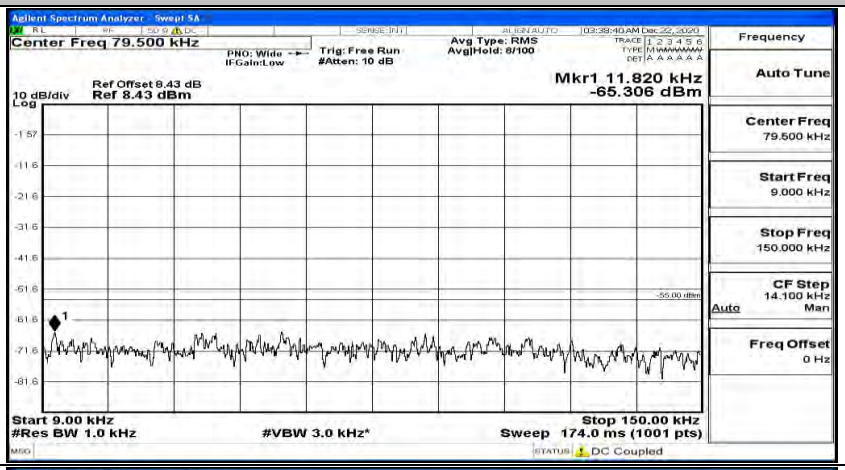


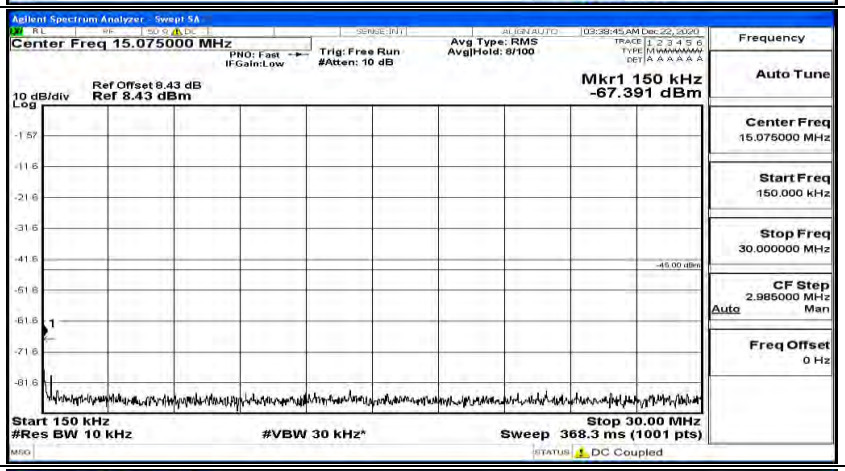
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

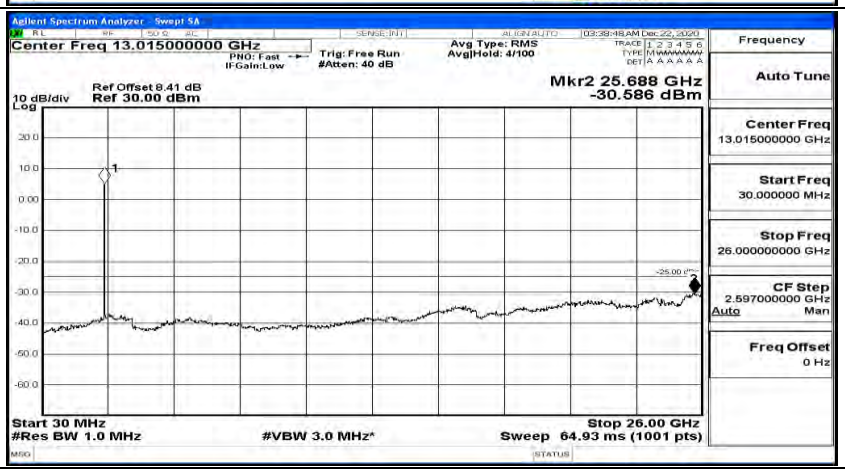




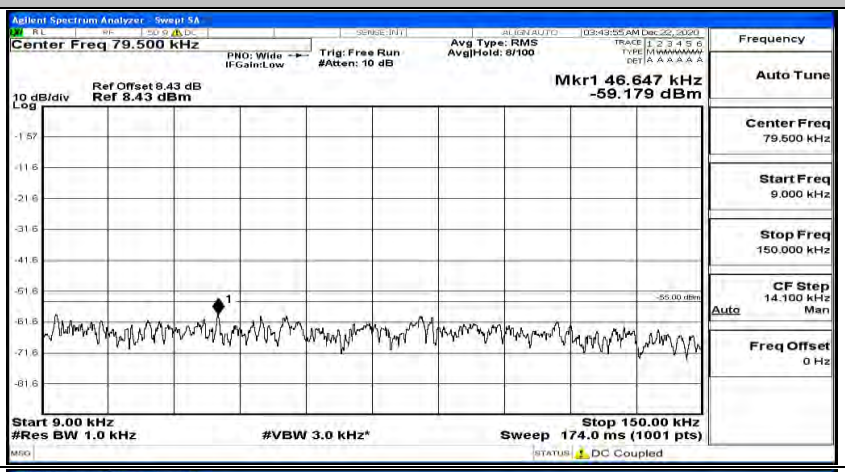
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24

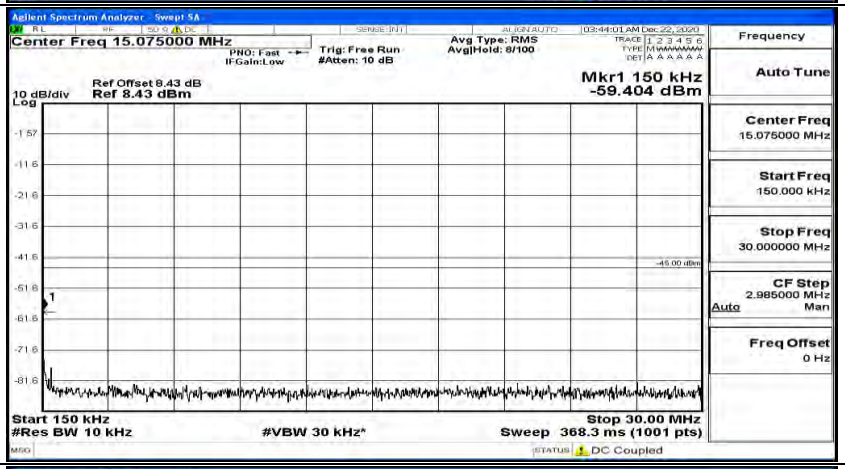


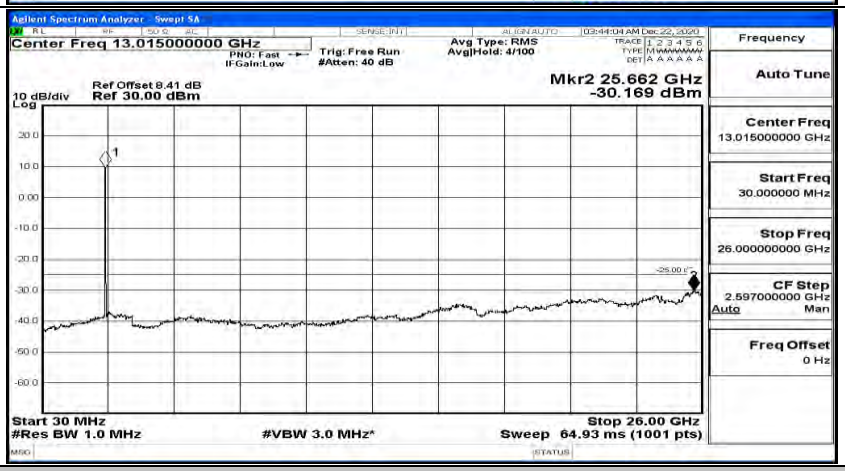




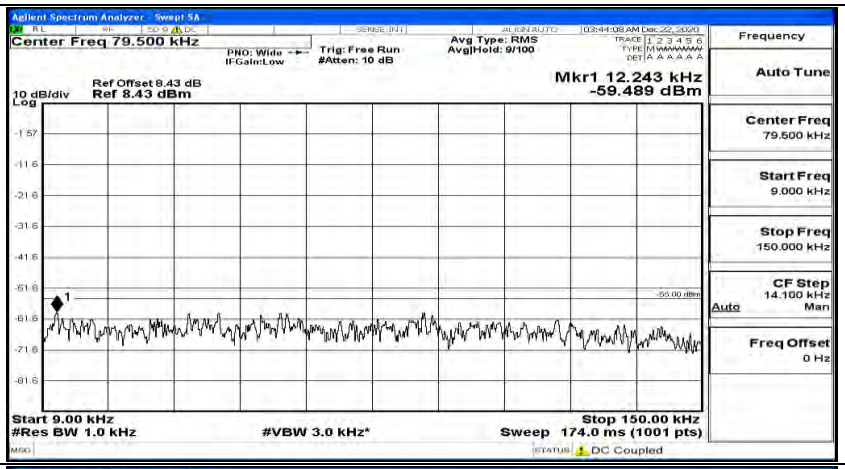
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

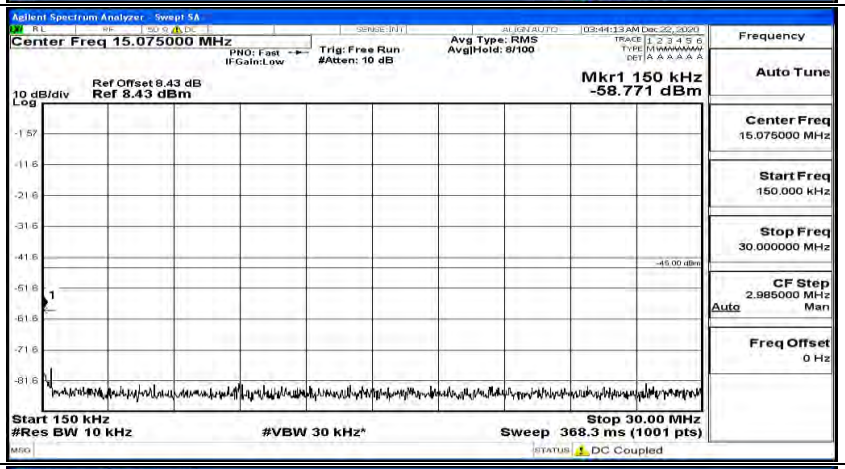




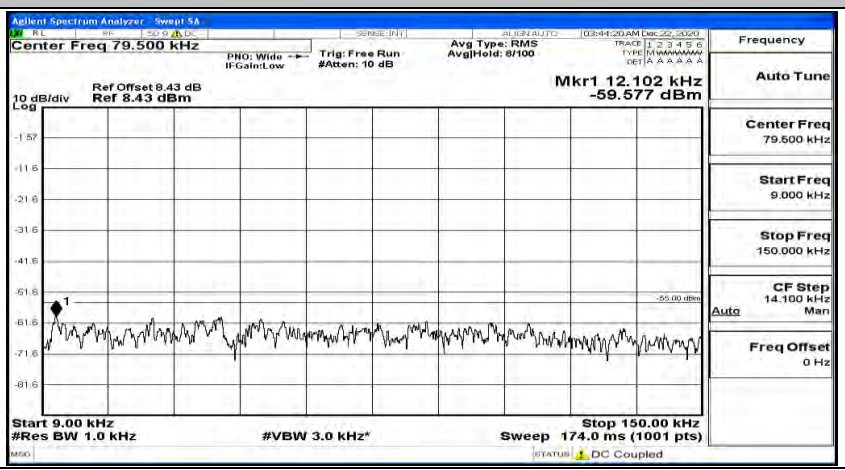


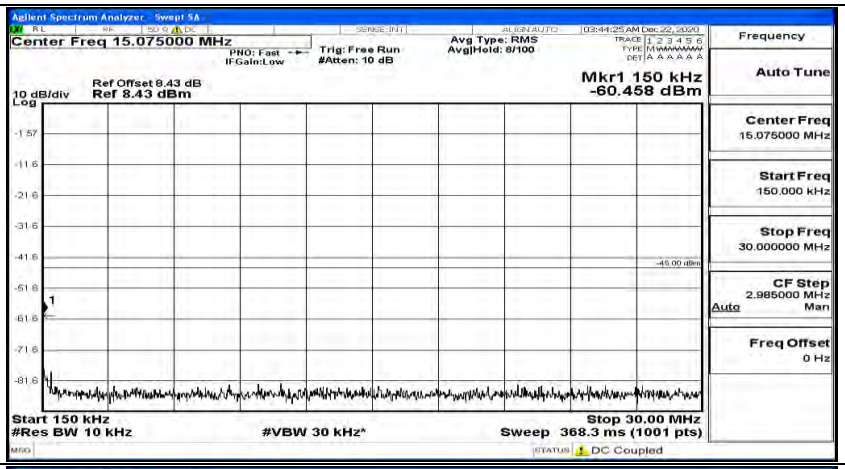
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

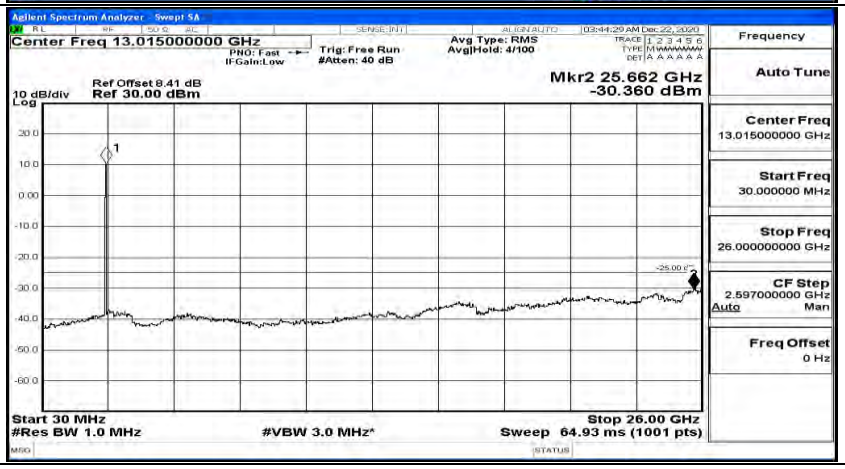




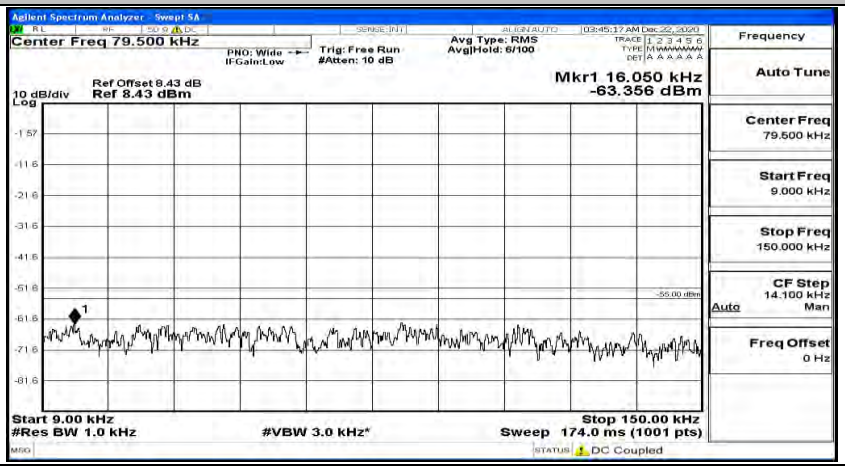
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24

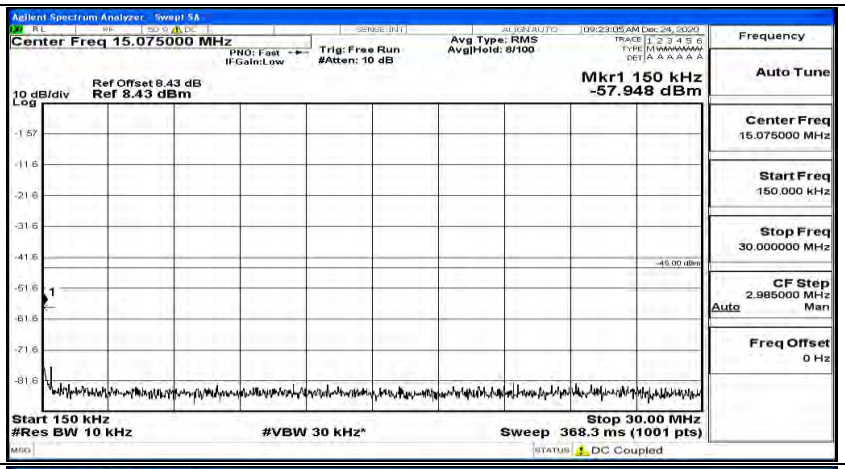




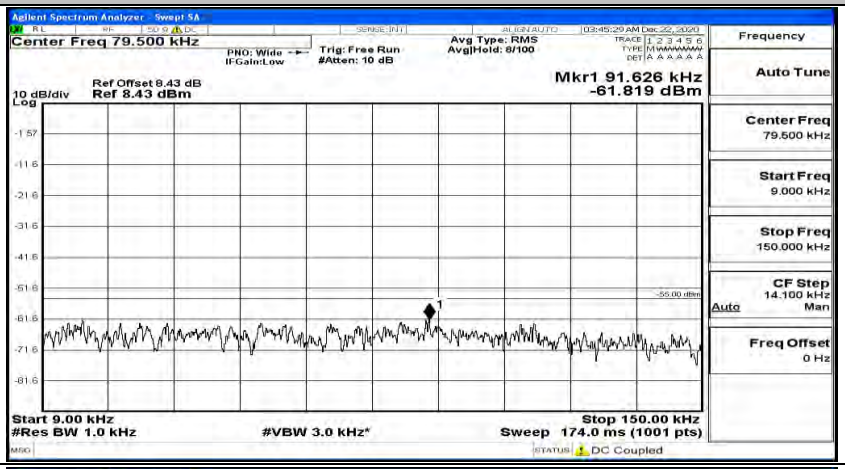


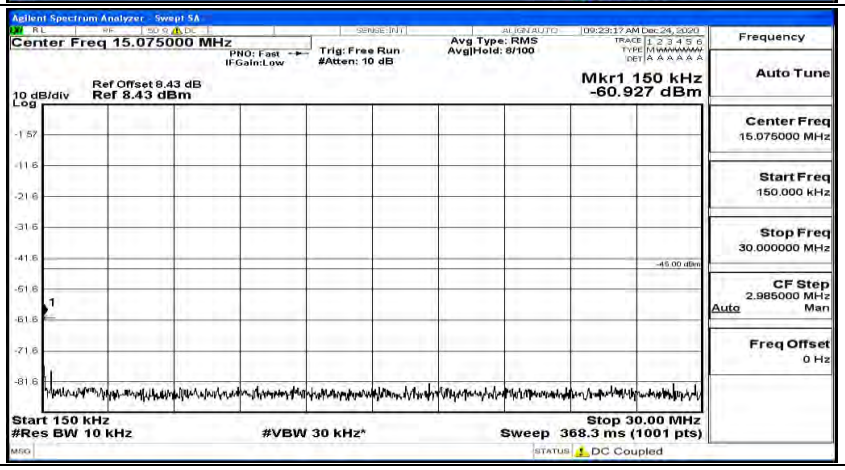
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



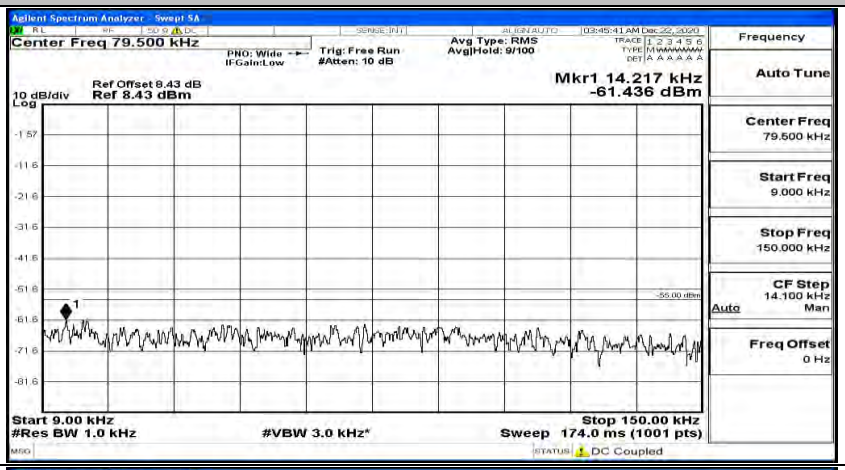


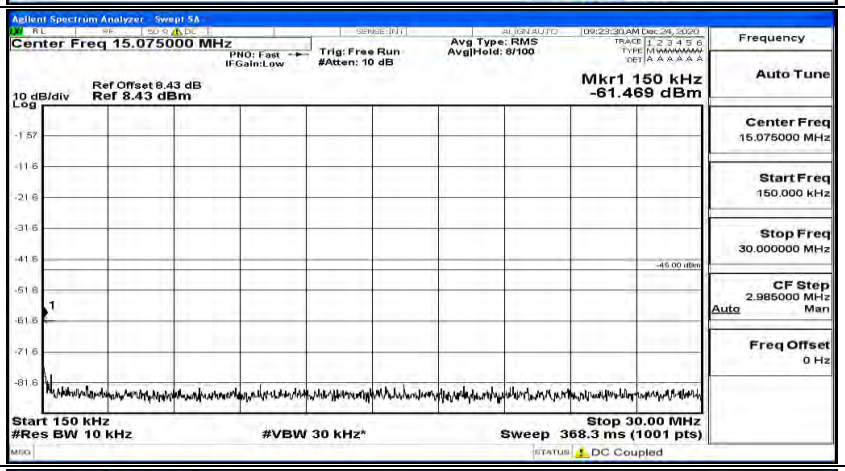
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

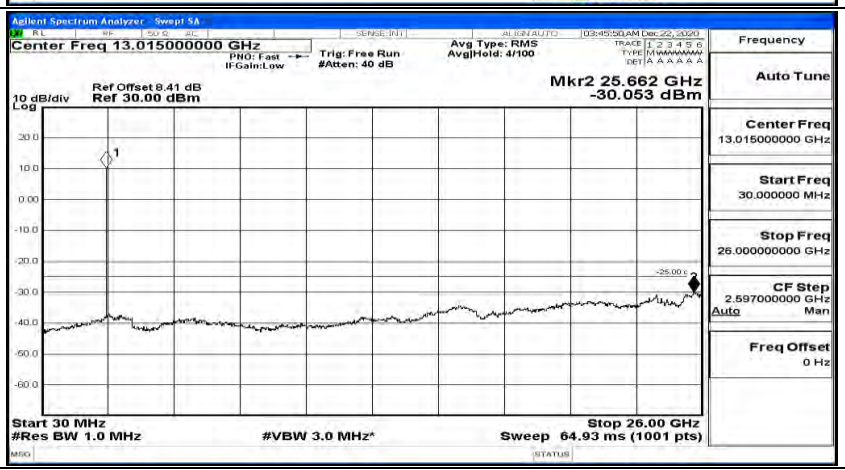




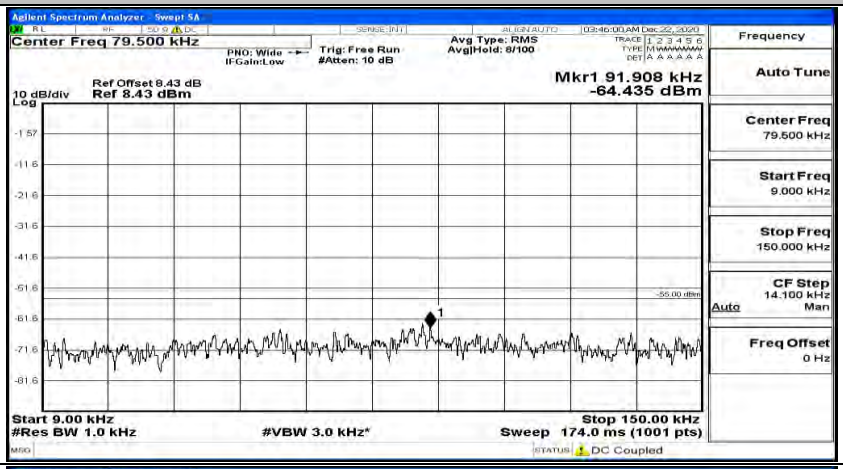
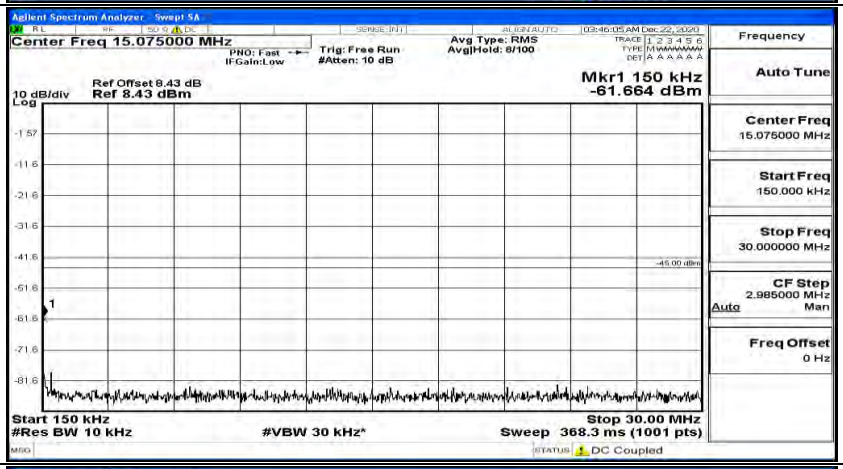
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



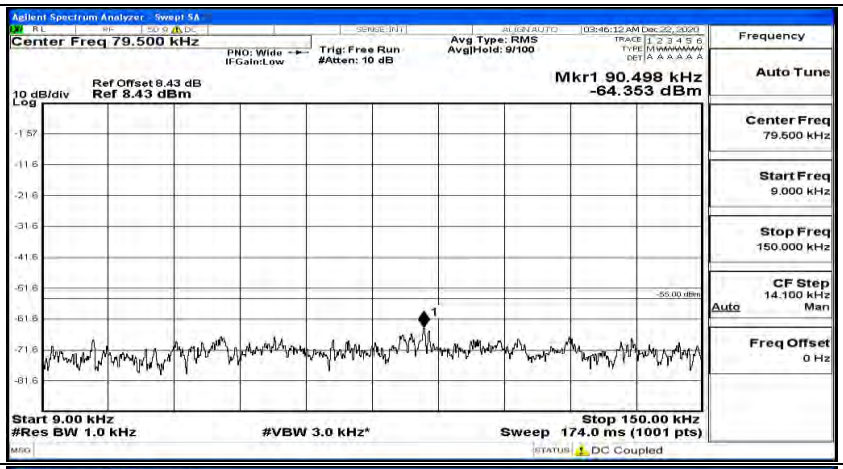


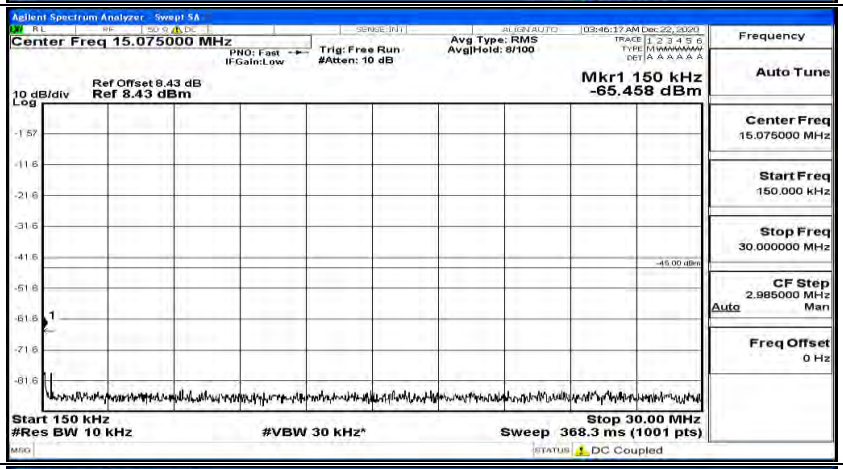


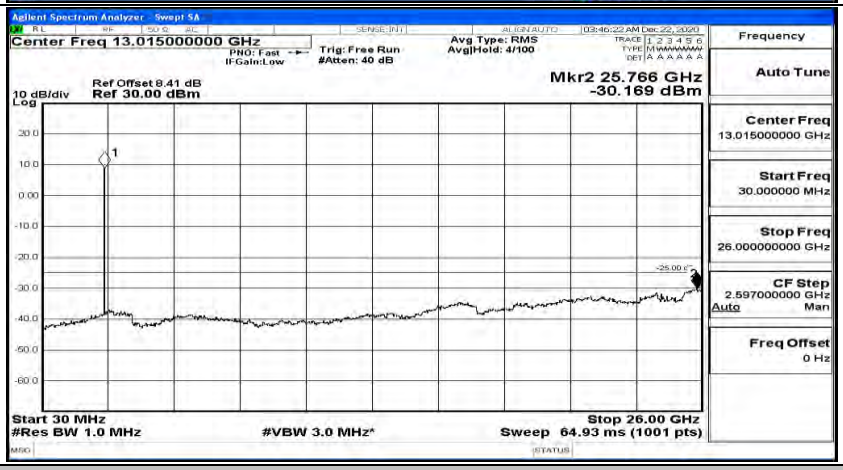
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0



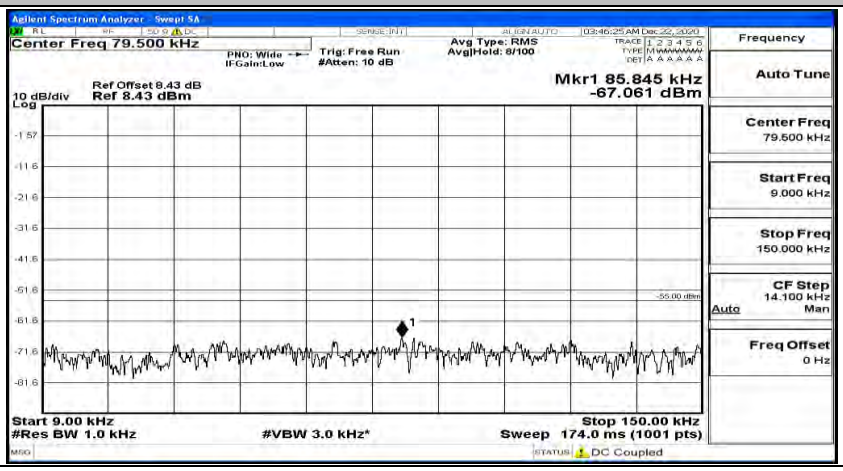
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#24

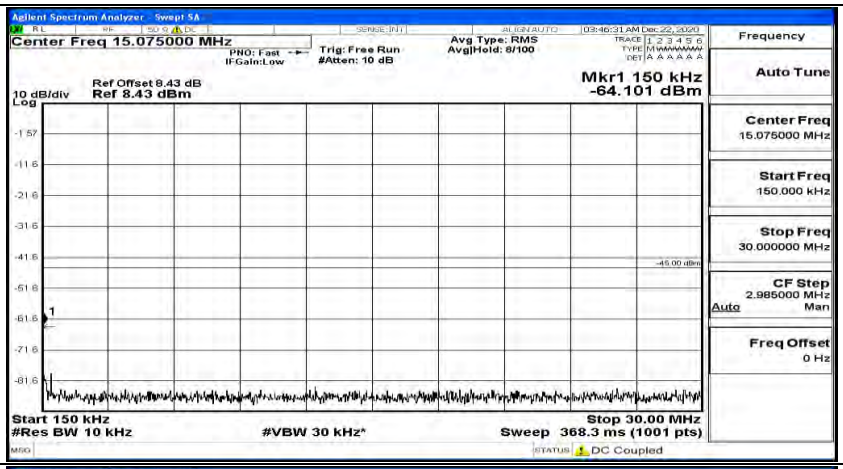




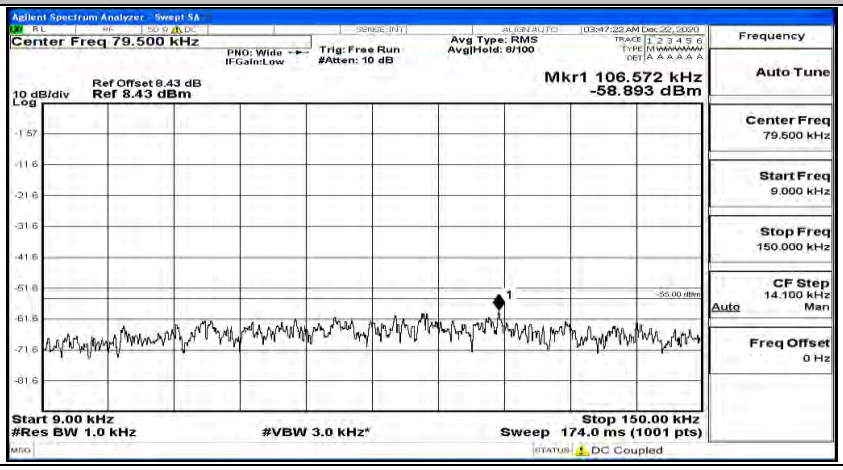


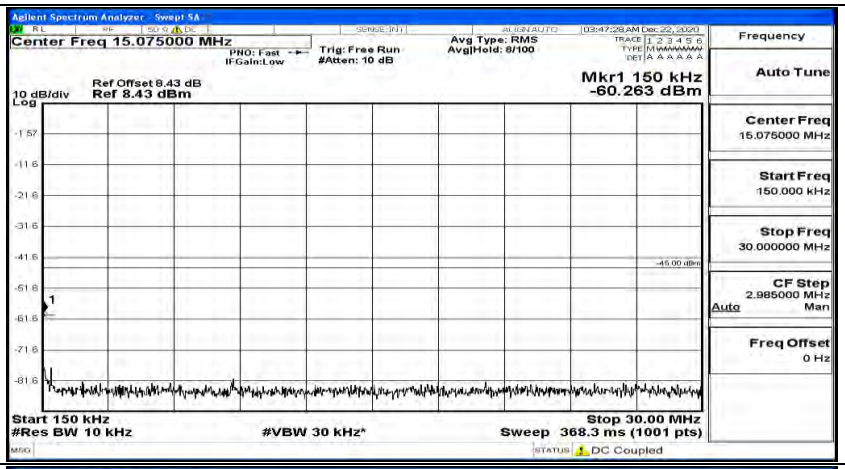
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#49

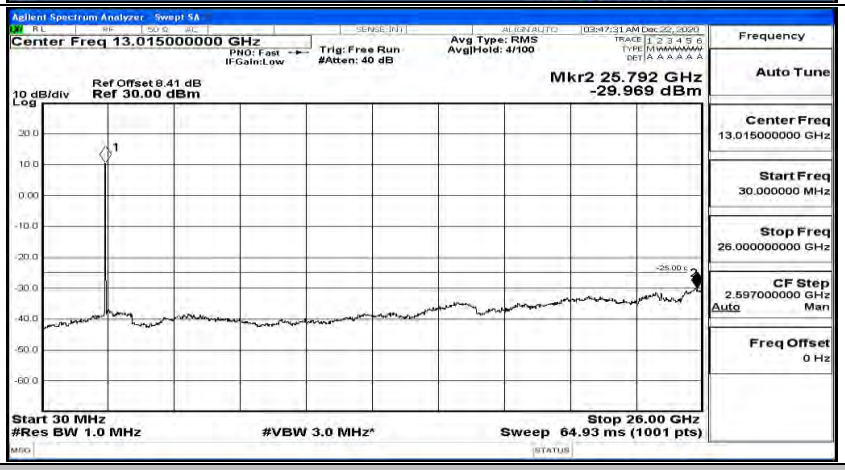




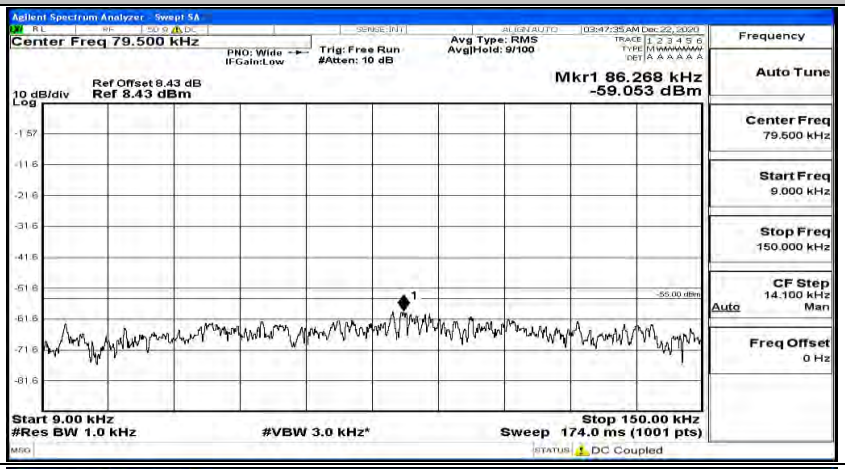
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

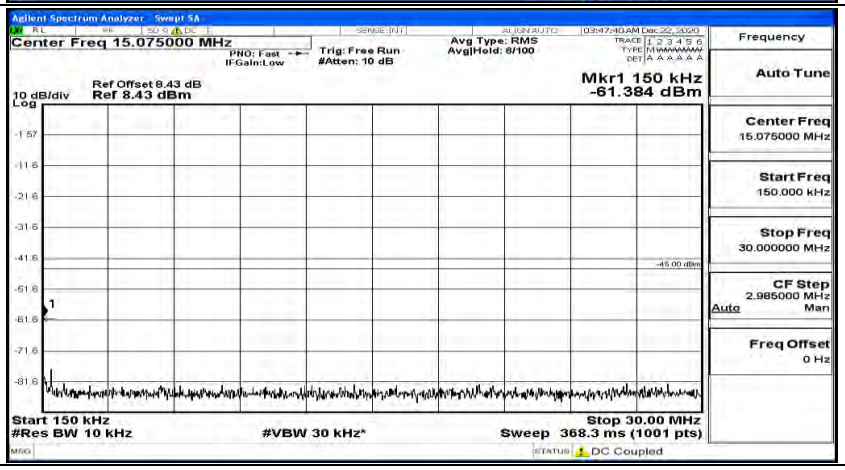




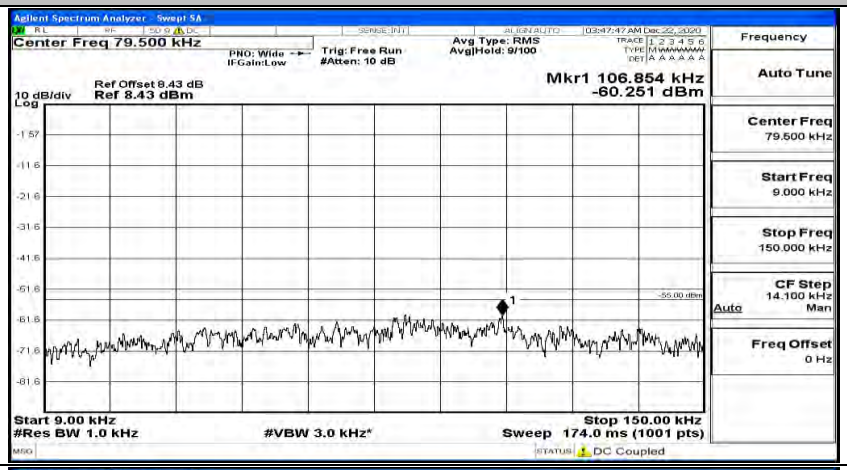


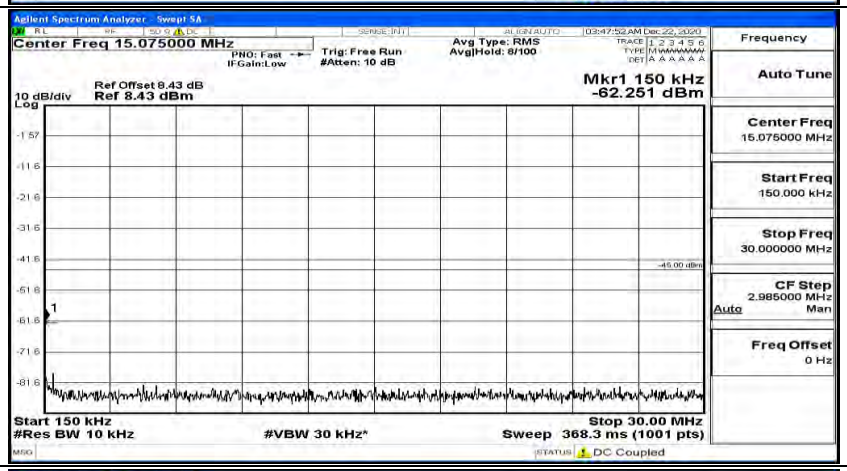
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

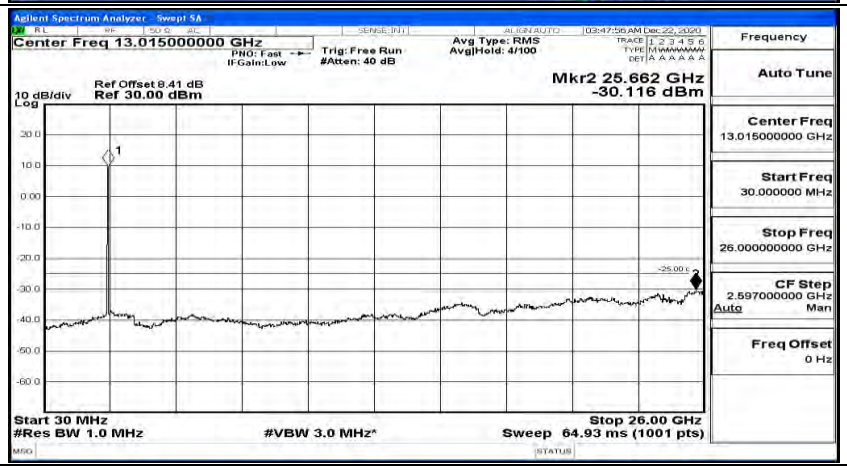


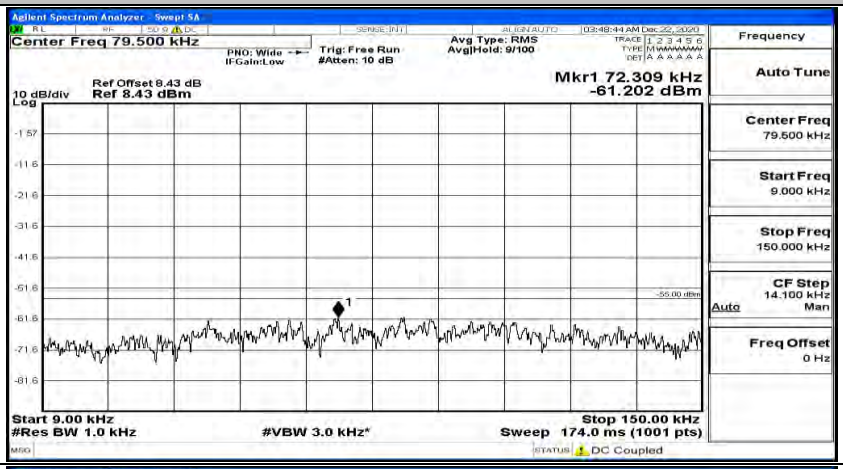
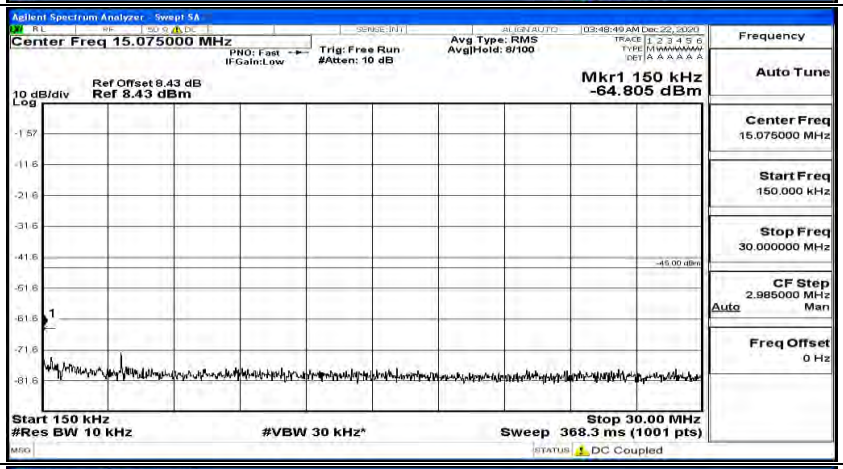
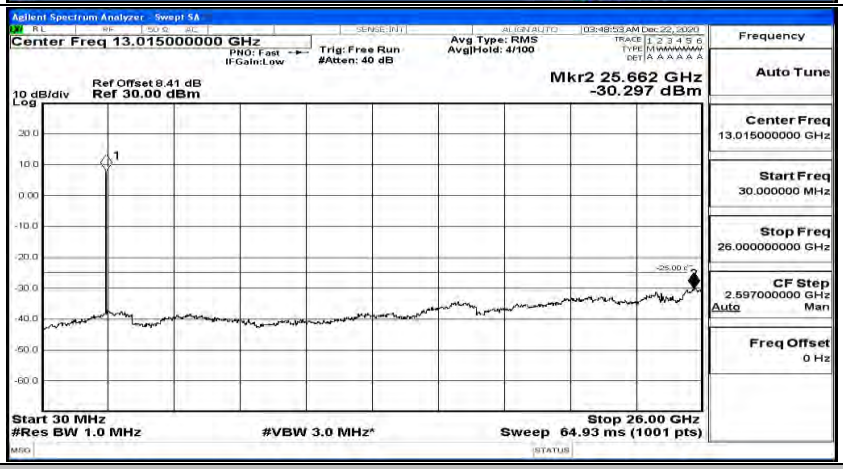


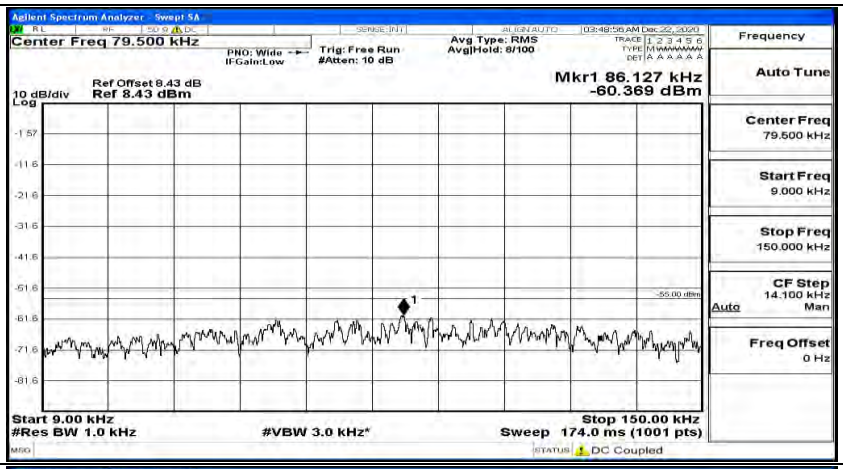
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49

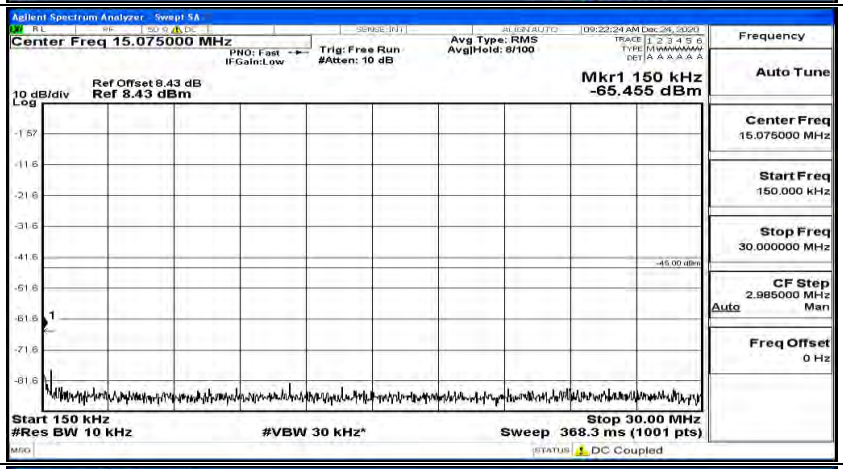


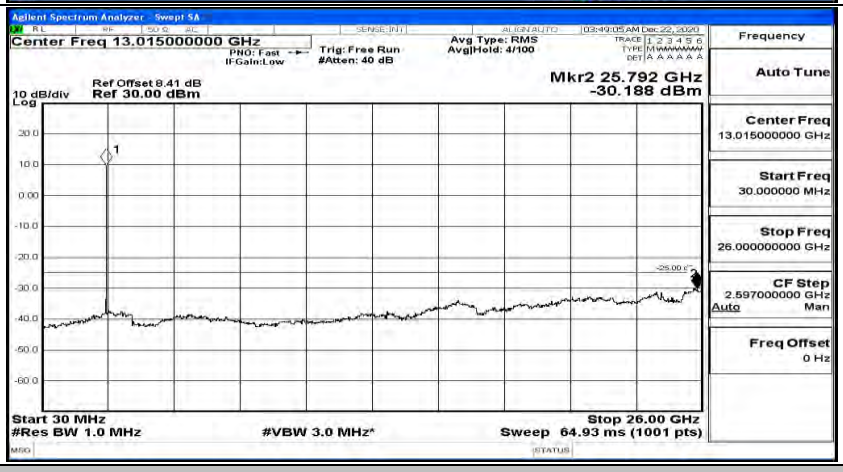




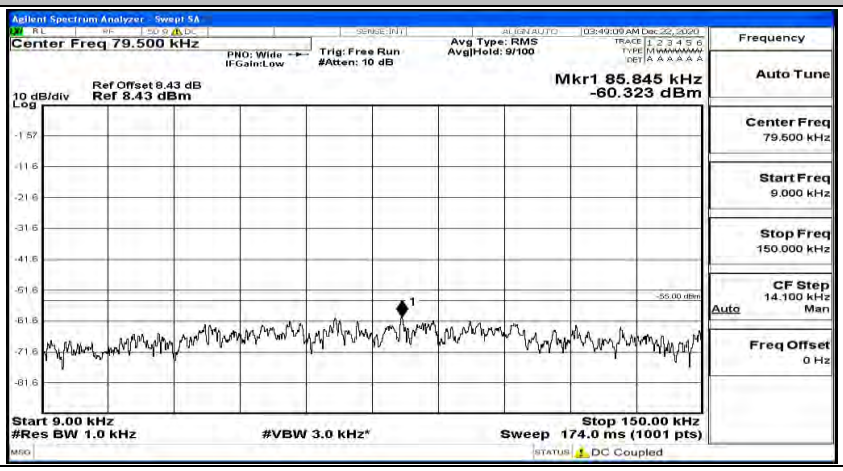
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

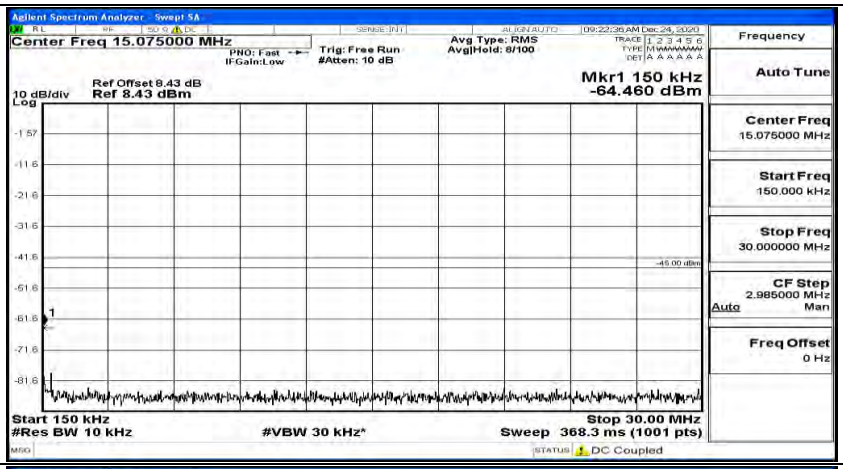




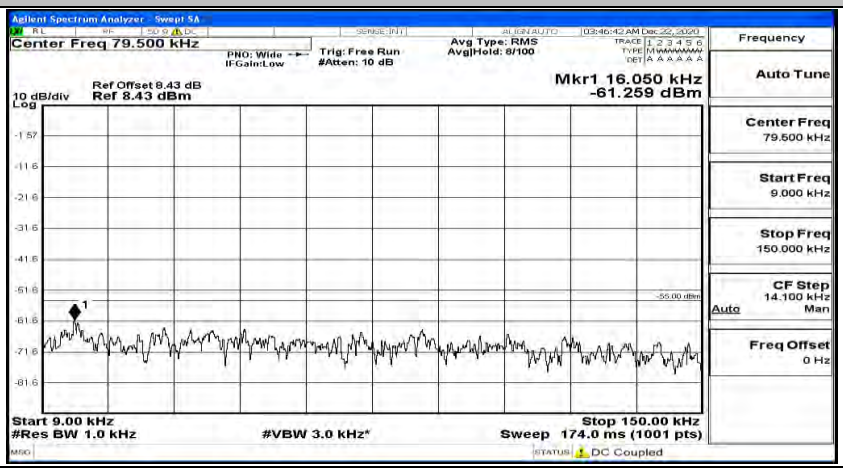


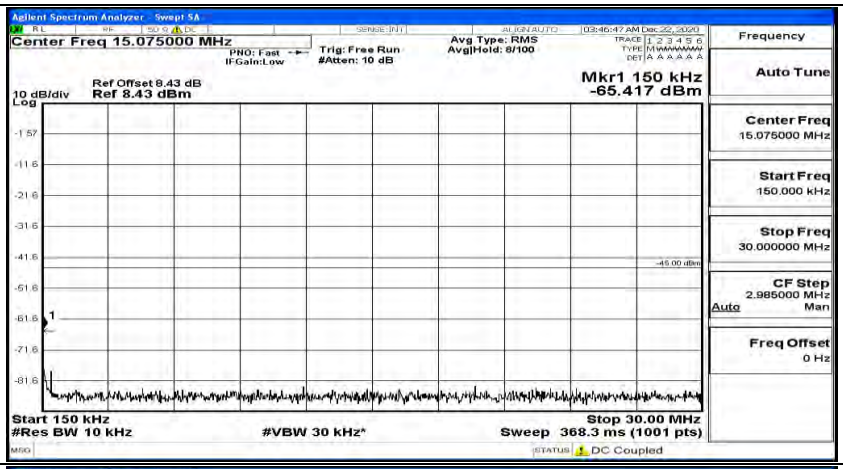
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49

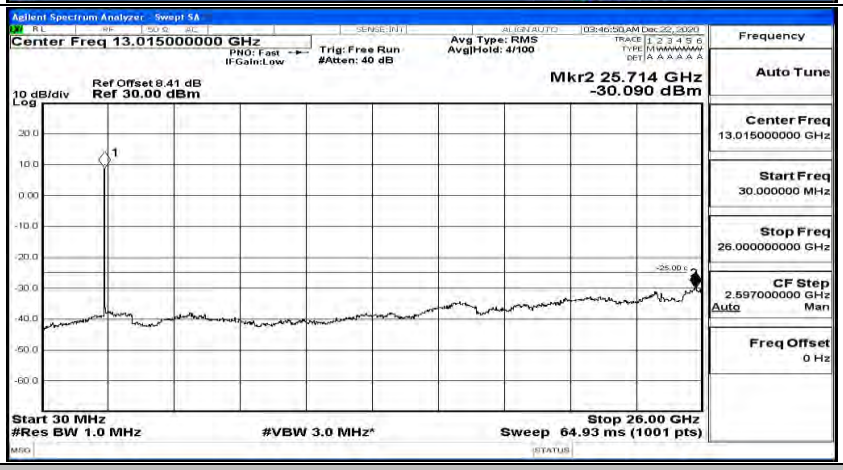




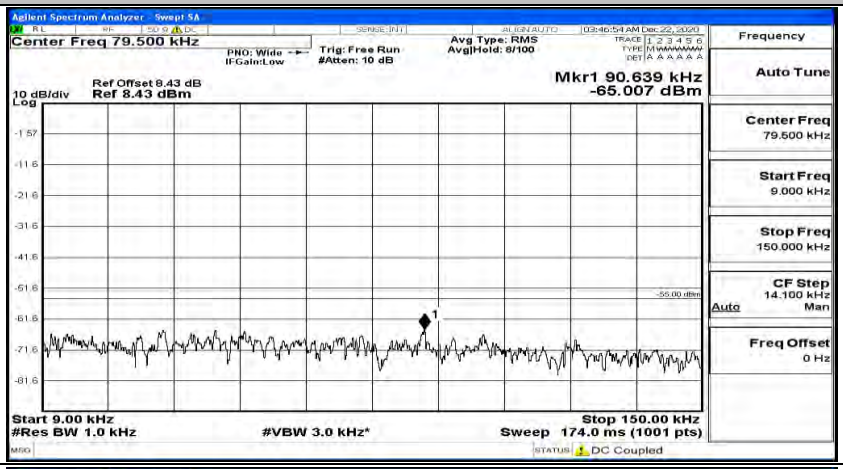
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

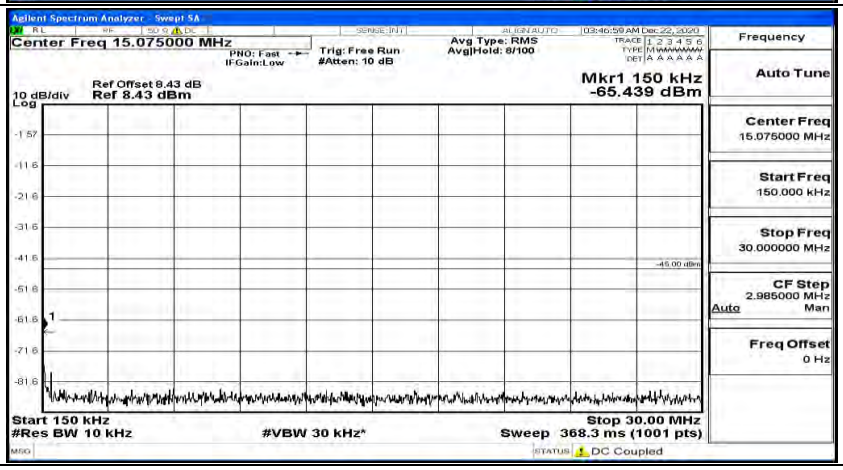




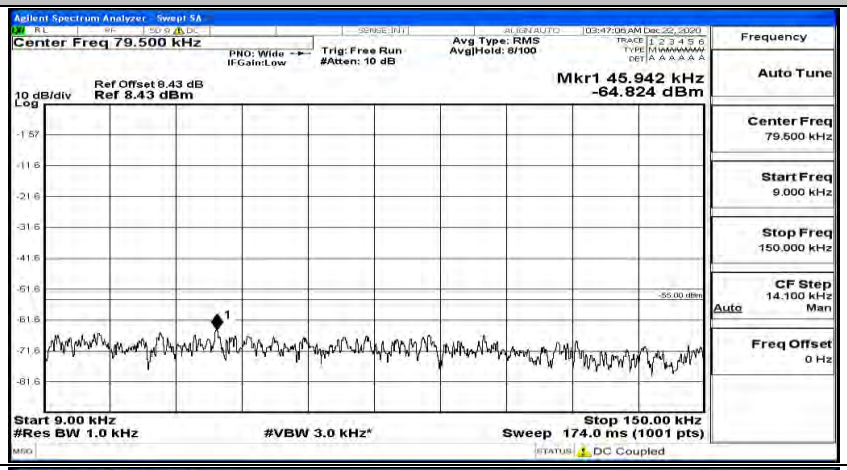


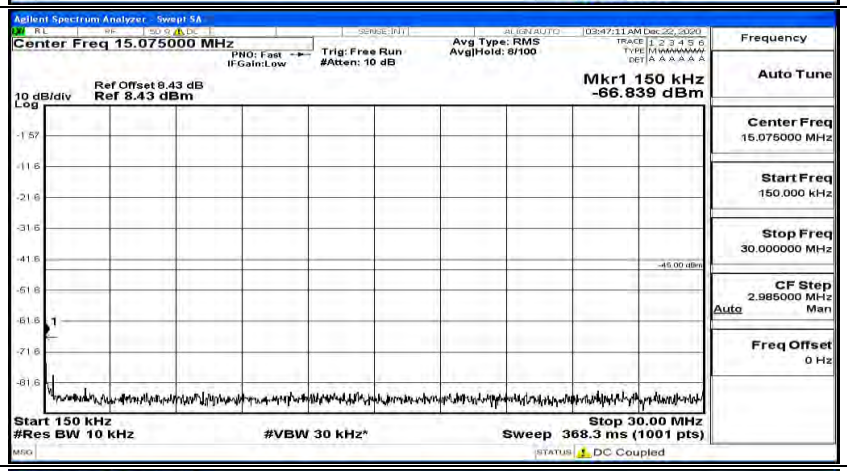
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

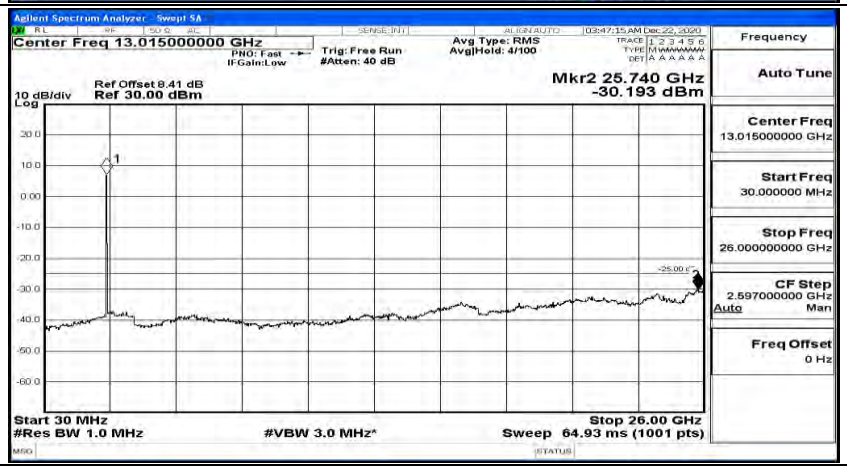


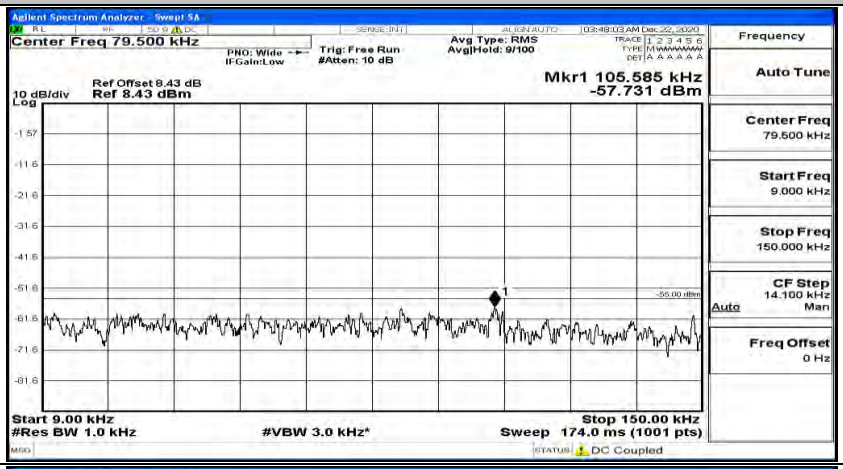
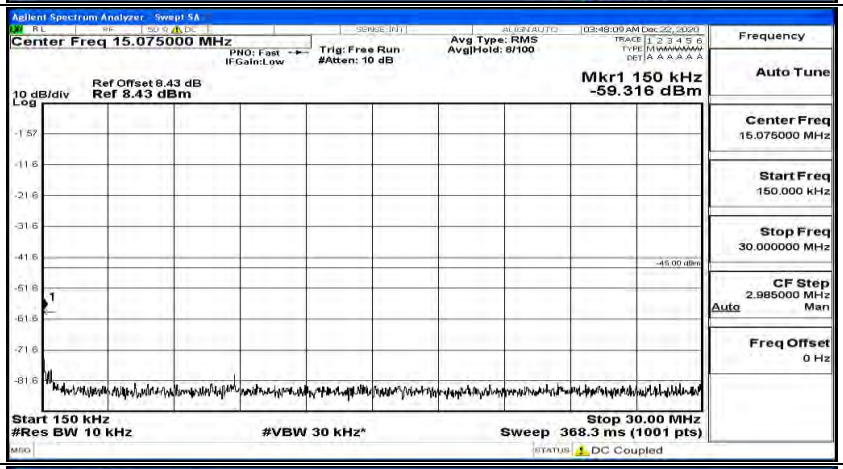


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49

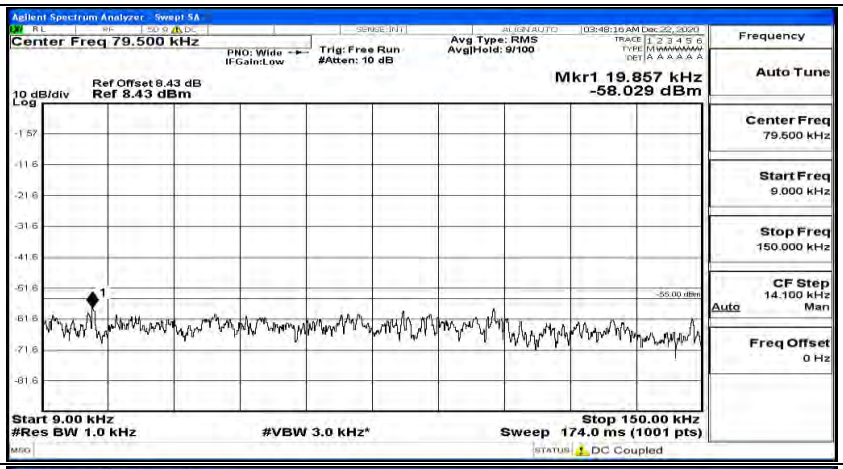


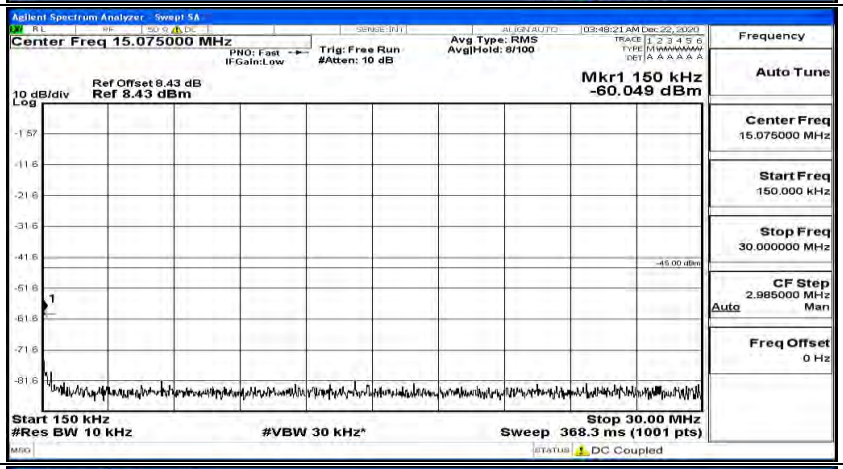


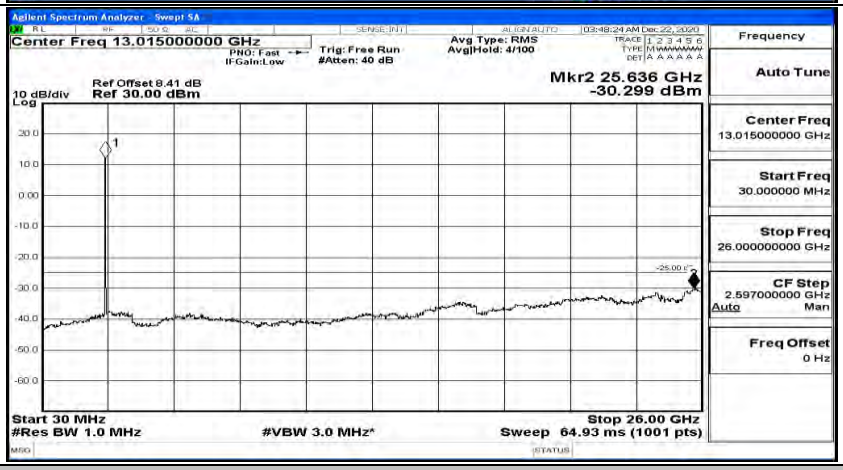


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



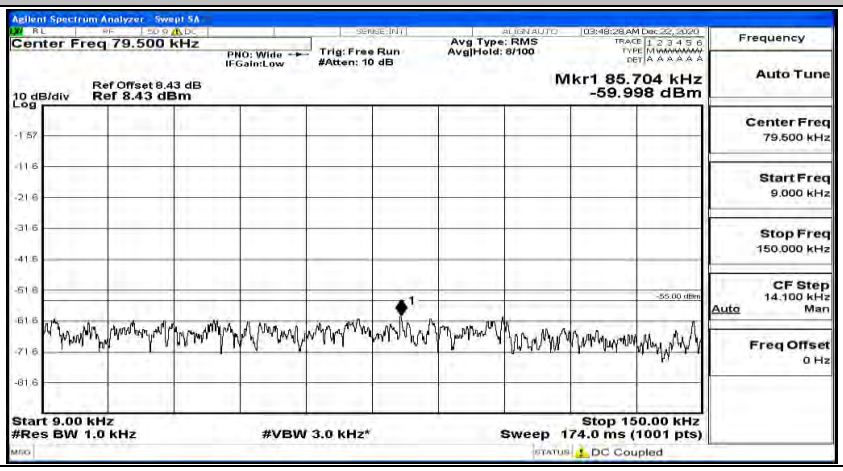
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

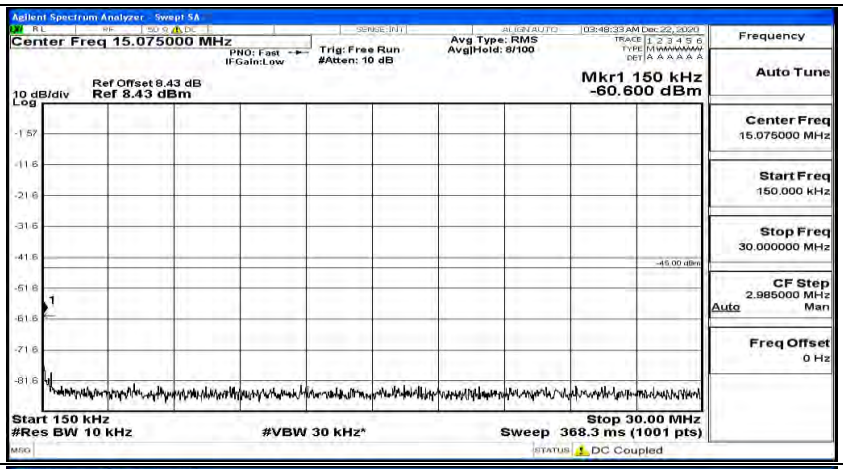




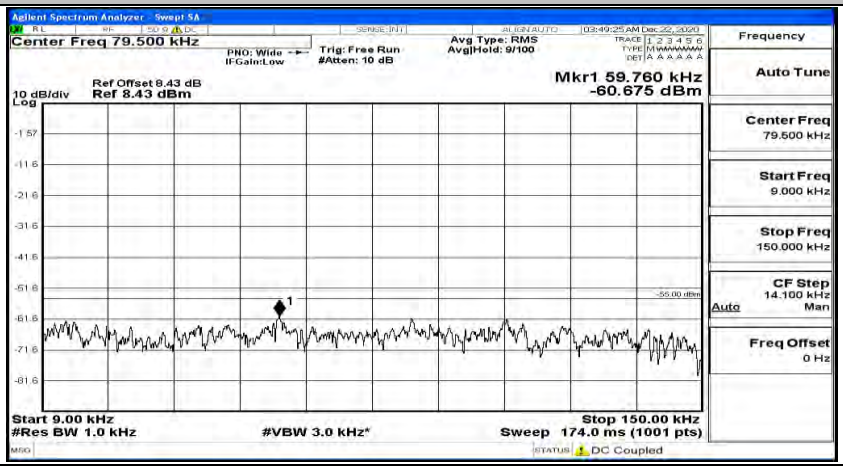


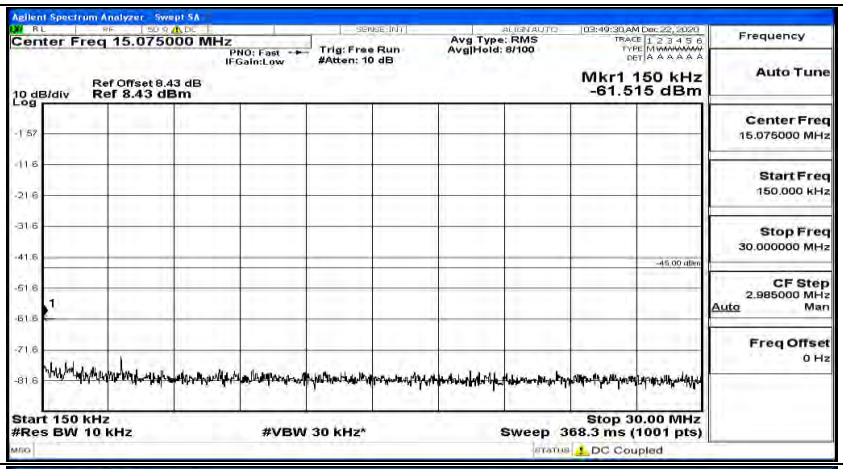
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49

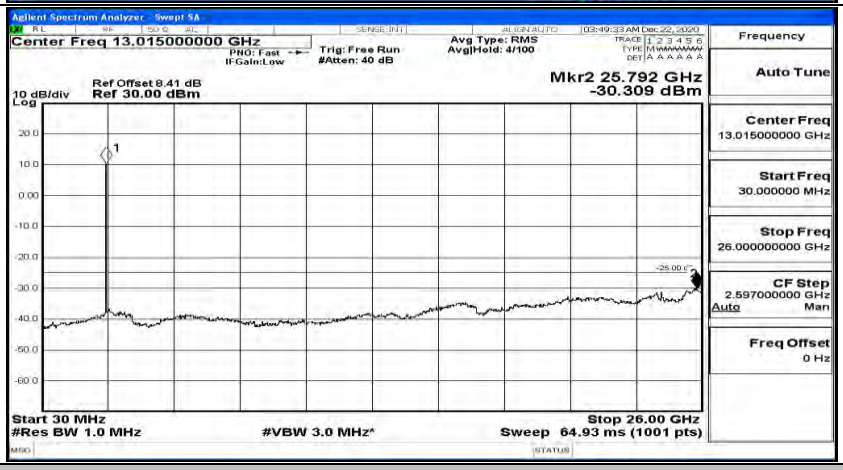




Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0







Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24