Appendix I: Test Data for E-UTRA Band 17

Product Name: MOBILE PHONE
Trade Mark: CELLUTION
Test Model: PADUA

Environmental Conditions

Temperature:	23.1° C
Relative Humidity:	54.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	LI HUAN

I.1 Conducted Output Power

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	23.97	23.18	PASS
		1	12	24.44	23.67	PASS
		1	24	24.07	23.27	PASS
		12	0	23.02	22.25	PASS
		12	6	23.12	22.32	PASS
		12	13	23.15	22.31	PASS
		25	0	23.18	22.21	PASS
	MCH	1	0	24.08	23.20	PASS
		1	12	24.46	23.43	PASS
		1	24	23.95	23.06	PASS
		12	0	22.97	22.02	PASS
		12	6	23.10	22.13	PASS
		12	13	22.97	22.03	PASS
		25	0	23.00	22.09	PASS
	HCH	1	0	23.95	23.11	PASS
		1	12	24.17	23.26	PASS
		1	24	23.60	22.80	PASS
		12	0	22.97	22.08	PASS
		12	6	22.91	22.02	PASS
		12	13	22.72	21.85	PASS

		25	0	22.90	21.95	PASS

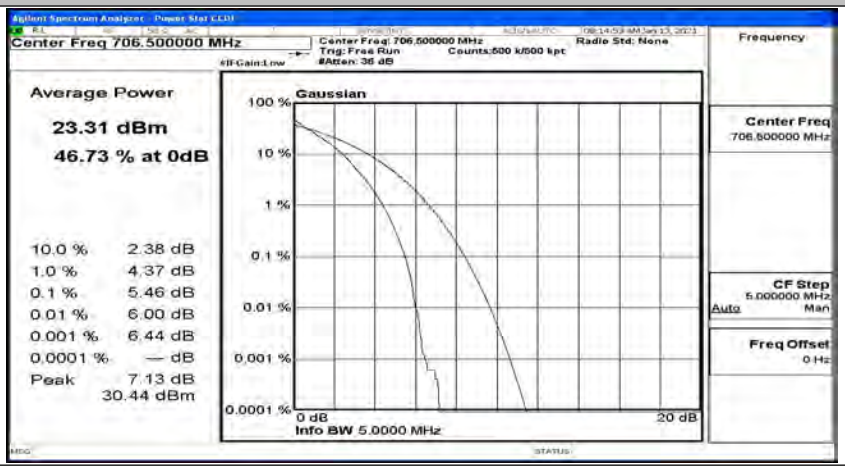
Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK / 16QAM	LCH	1	0	23.94	23.19	PASS
		1	24	24.18	23.38	PASS
		1	49	23.81	23.02	PASS
		25	0	23.02	22.03	PASS
		25	12	23.11	22.15	PASS
		25	25	23.04	22.08	PASS
		50	0	23.02	22.06	PASS
	MCH	1	0	24.01	23.36	PASS
		1	24	24.17	23.50	PASS
		1	49	23.78	23.10	PASS
		25	0	22.97	21.99	PASS
		25	12	23.07	22.10	PASS
		25	25	22.90	21.97	PASS
		50	0	22.94	21.99	PASS
	HCH	1	0	24.05	23.27	PASS
		1	24	24.14	23.37	PASS
		1	49	23.69	22.87	PASS
		25	0	22.94	21.95	PASS
		25	12	23.00	22.00	PASS
		25	25	22.81	21.87	PASS
		50	0	22.89	21.92	PASS

I.2 Peak-to-Average Ratio

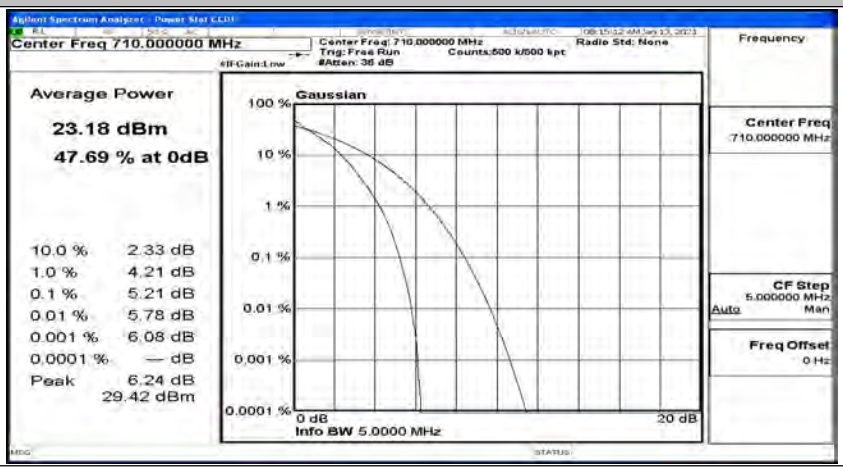
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.46	<13	PASS
	MCH	5.21	<13	PASS
	HCH	5.20	<13	PASS
16QAM	LCH	6.11	<13	PASS
	MCH	5.90	<13	PASS
	HCH	5.95	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.34	<13	PASS
	MCH	5.3	<13	PASS
	HCH	5.25	<13	PASS
16QAM	LCH	6.05	<13	PASS
	MCH	6.06	<13	PASS
	HCH	6.05	<13	PASS

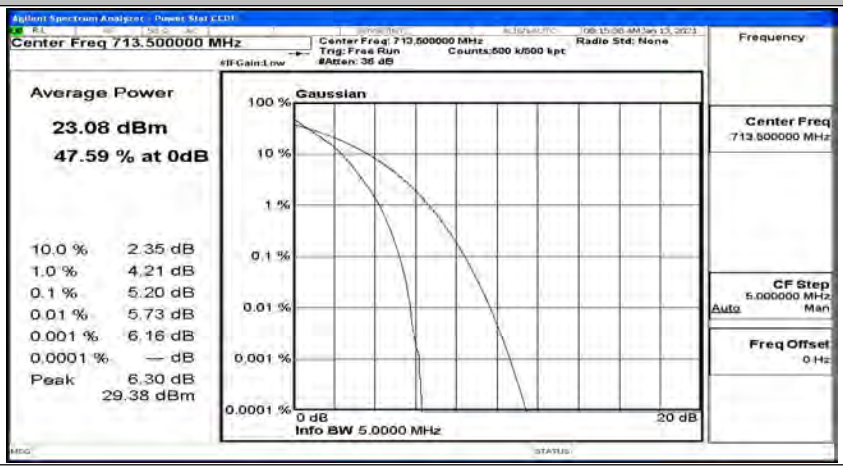
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



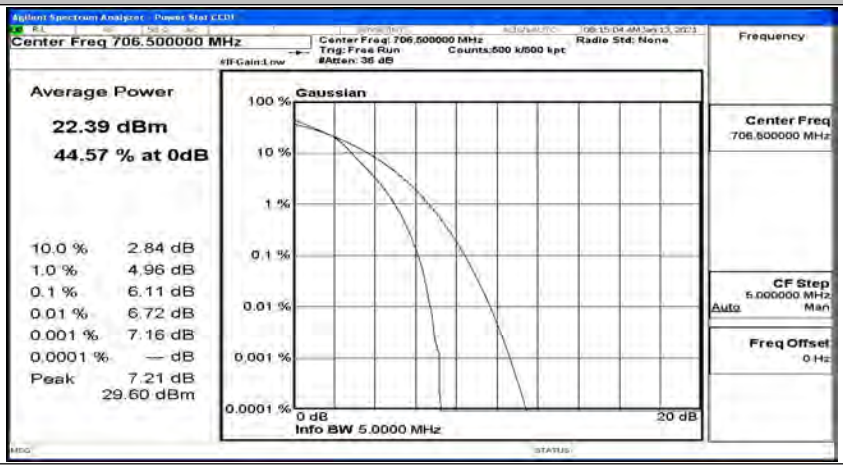
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



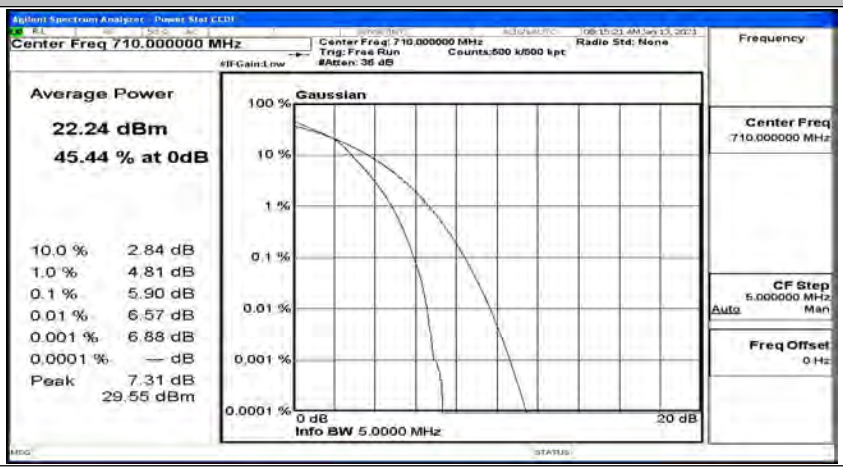
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



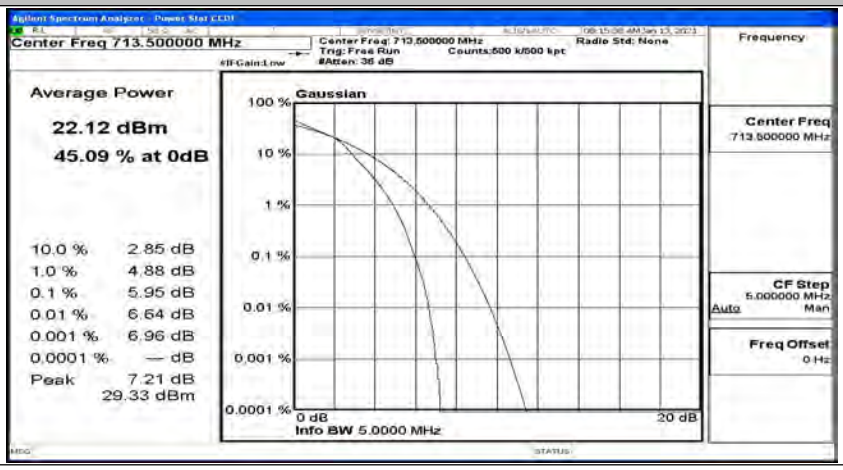
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



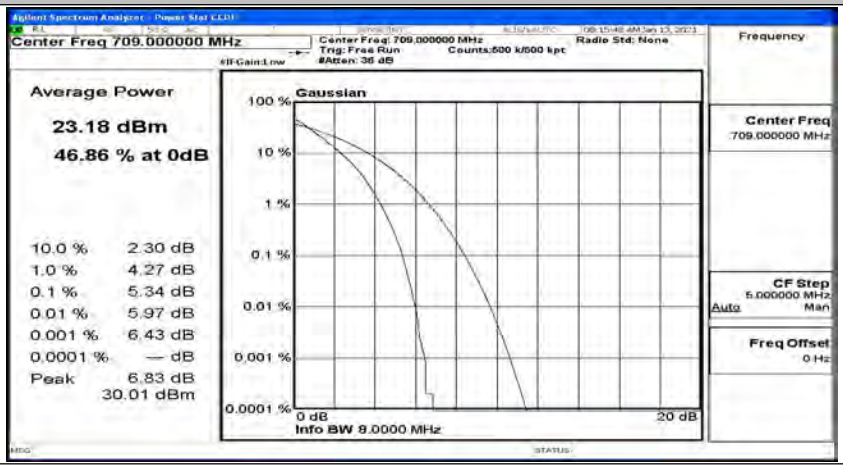
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



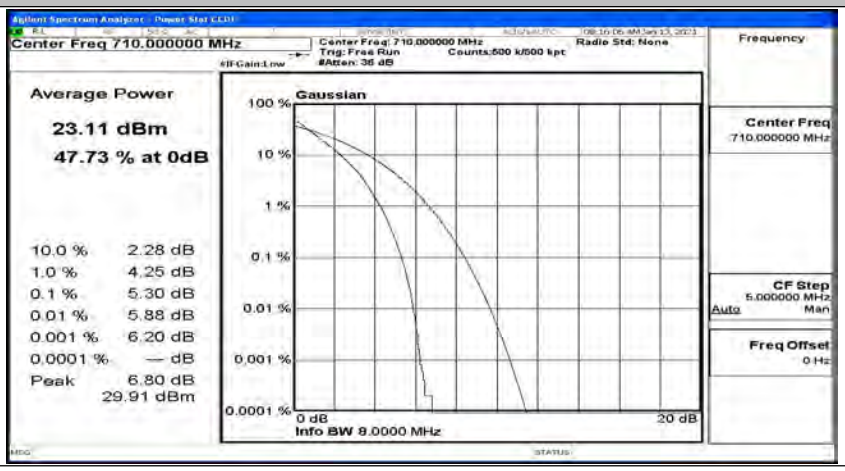
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



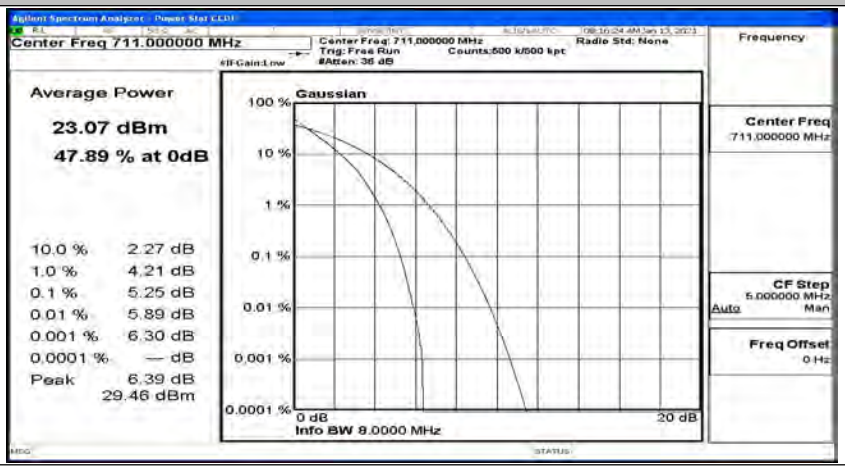
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



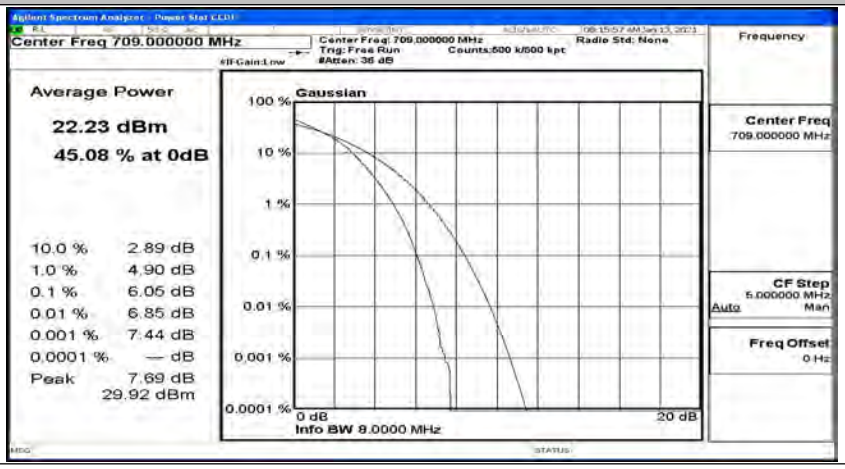
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



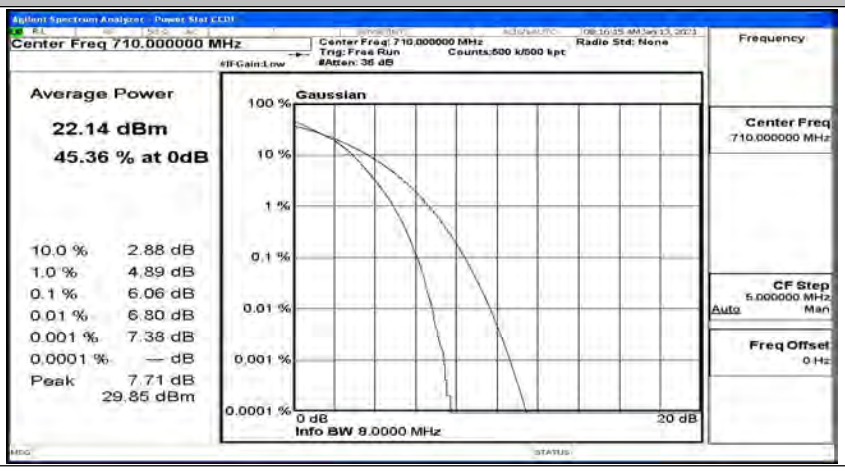
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



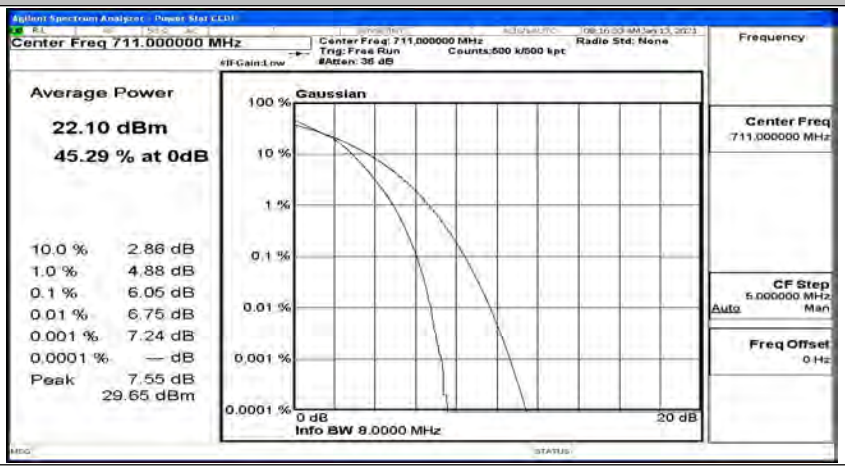
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



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

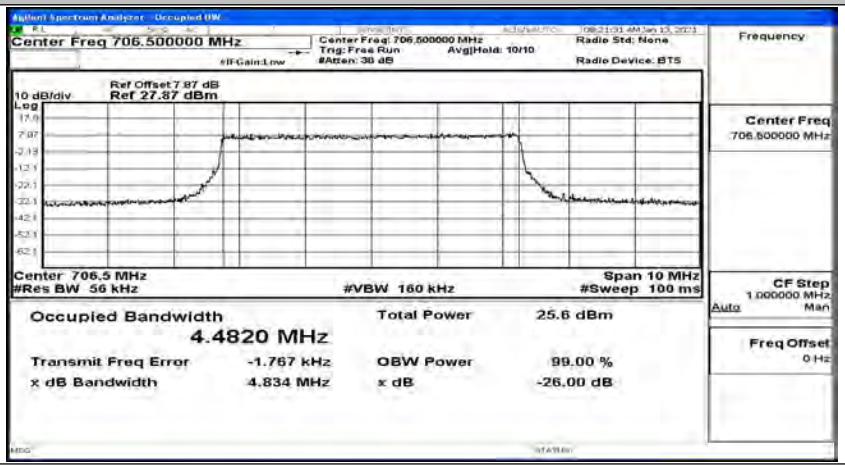


I.3 26dB Bandwidth and Occupied Bandwidth

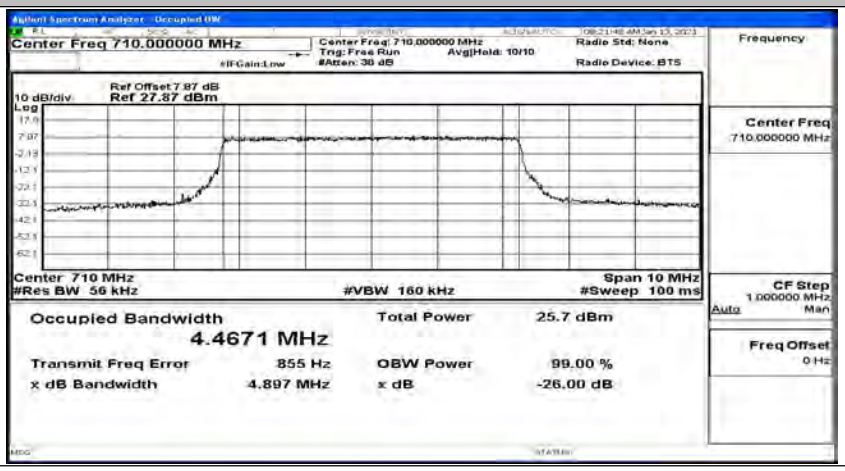
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4820	4.834	PASS
	MCH	4.4671	4.897	PASS
	HCH	4.4762	4.858	PASS
16QAM	LCH	4.4765	4.893	PASS
	MCH	4.4761	4.878	PASS
	HCH	4.4856	4.823	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9330	9.533	PASS
	MCH	8.9342	9.513	PASS
	HCH	8.9308	9.435	PASS
16QAM	LCH	8.9283	9.491	PASS
	MCH	8.9356	9.445	PASS
	HCH	8.9110	9.475	PASS

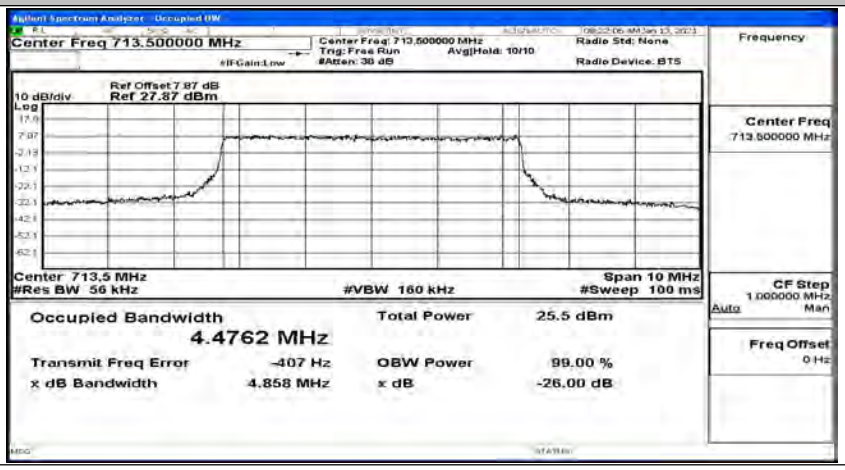
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



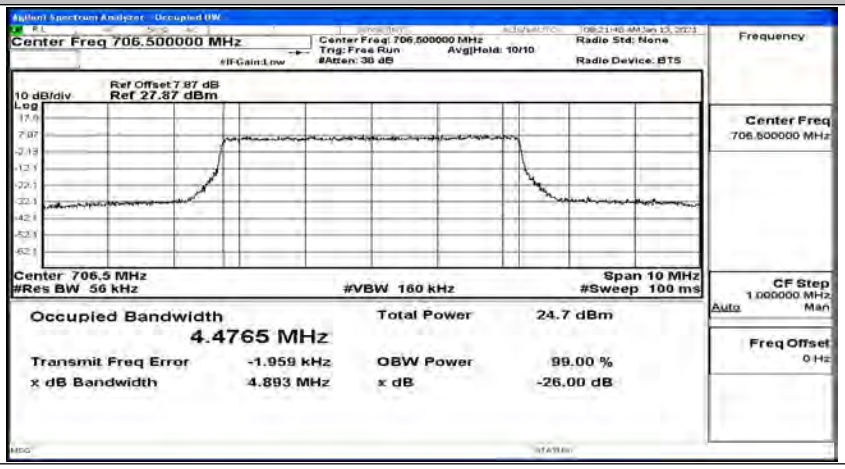
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



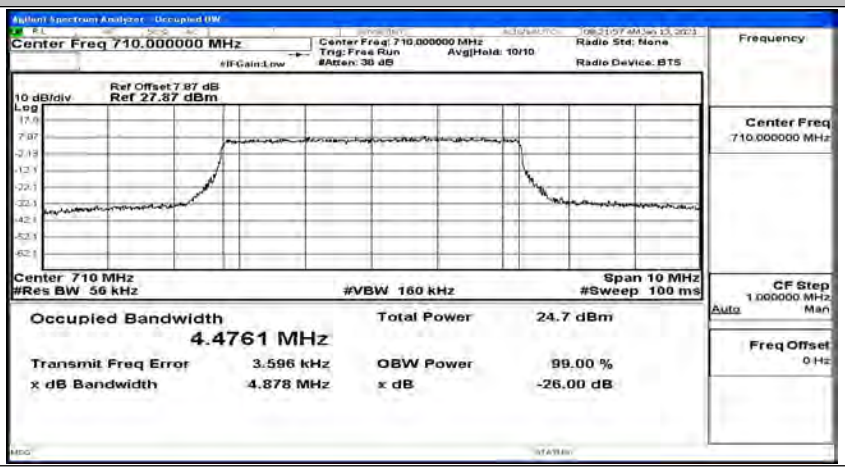
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



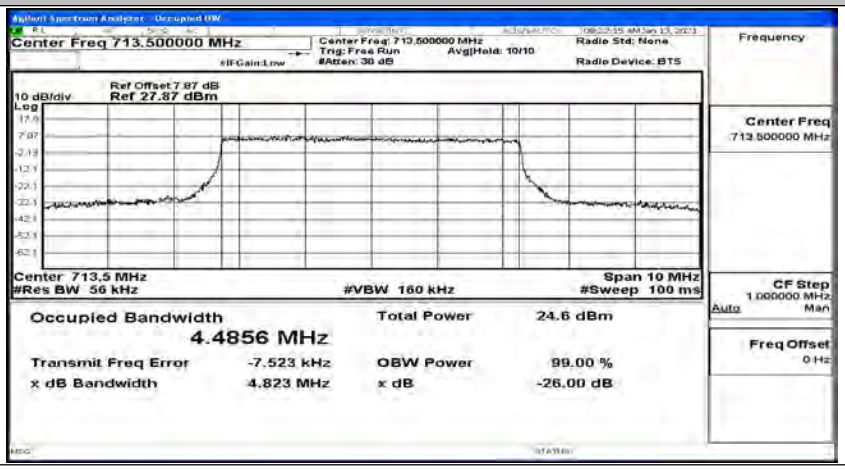
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



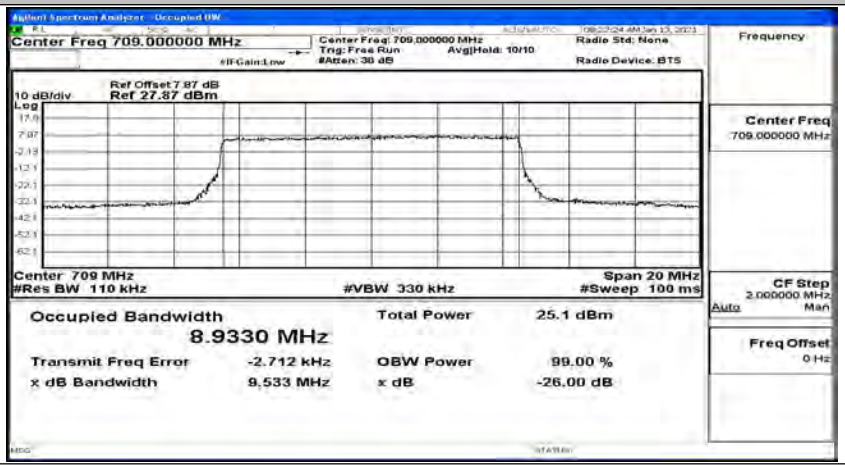
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



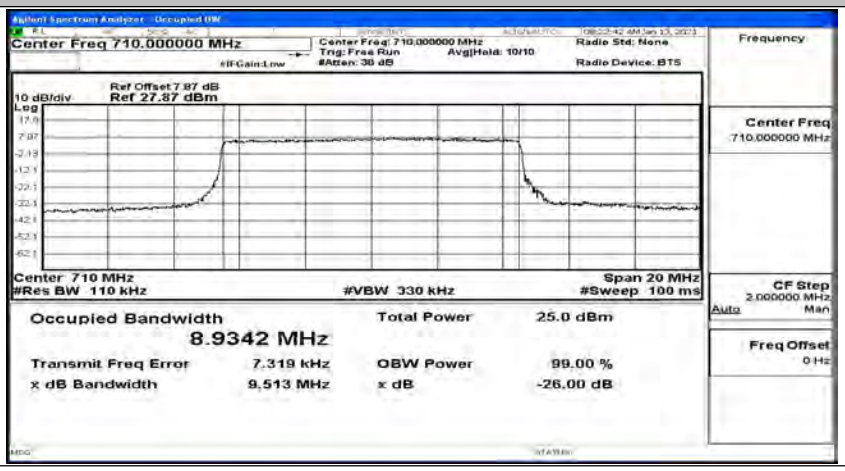
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



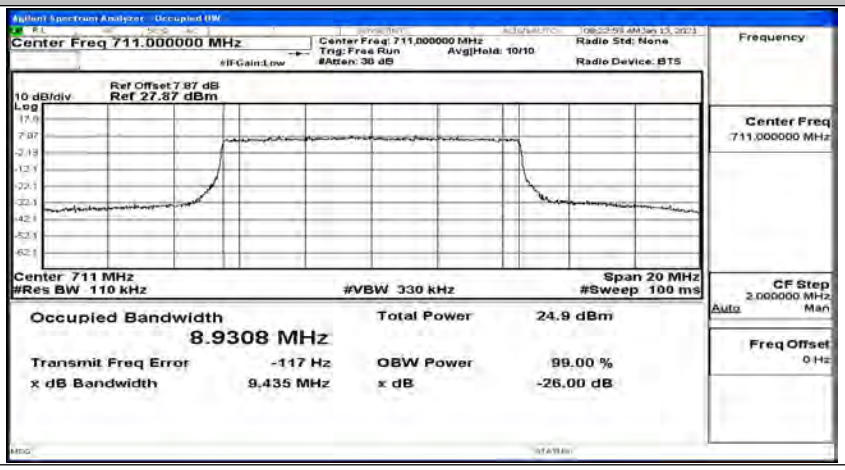
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



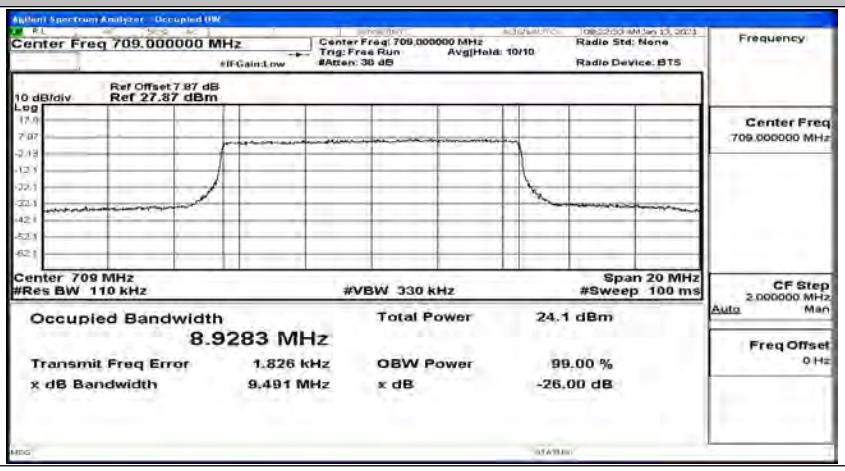
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



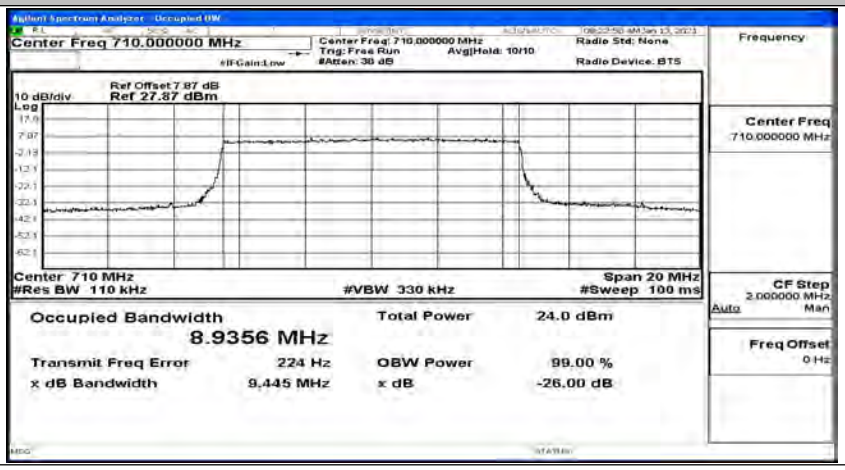
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



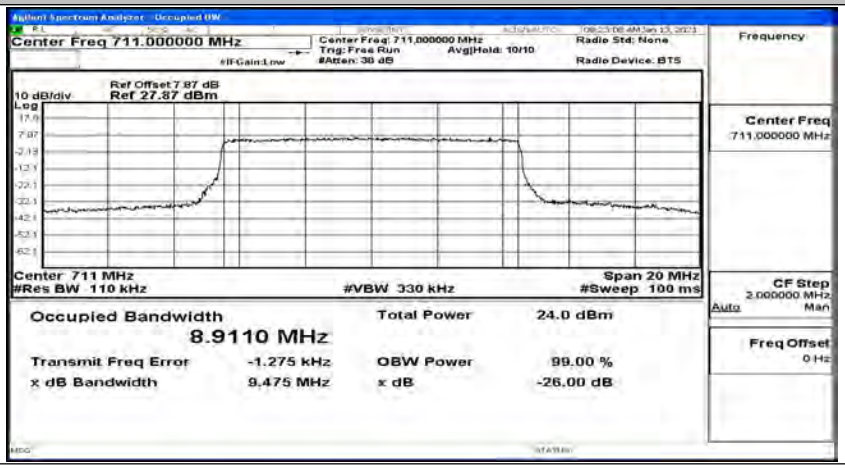
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



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

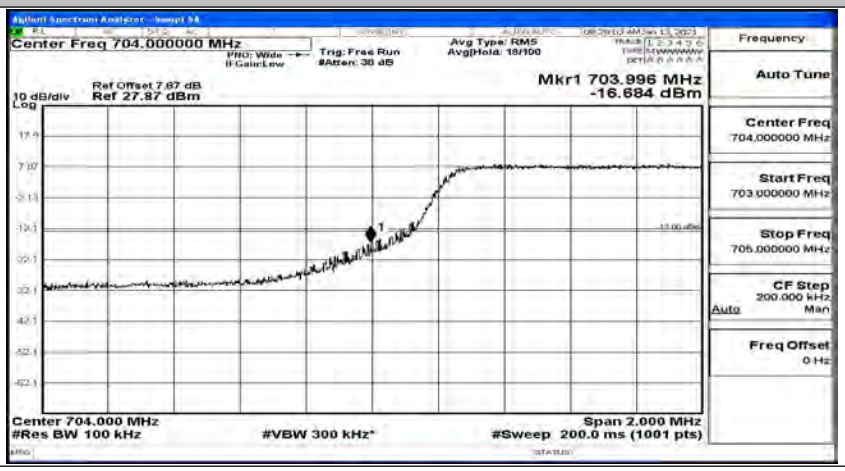


EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



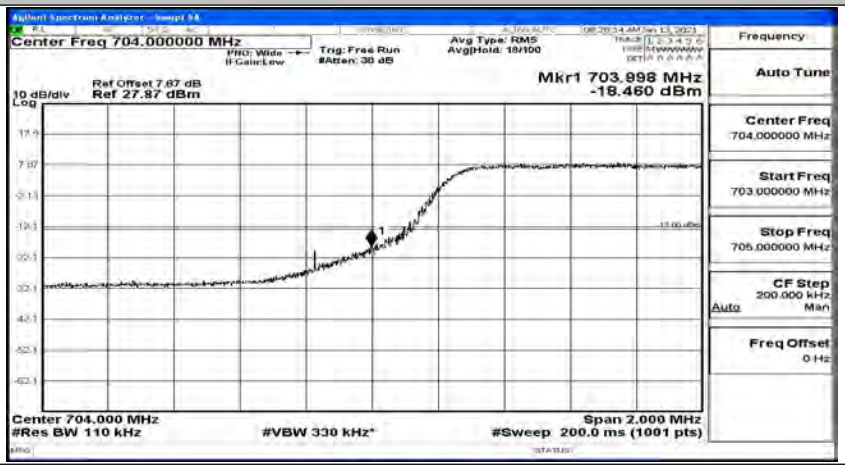
I.4 Band Edge

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

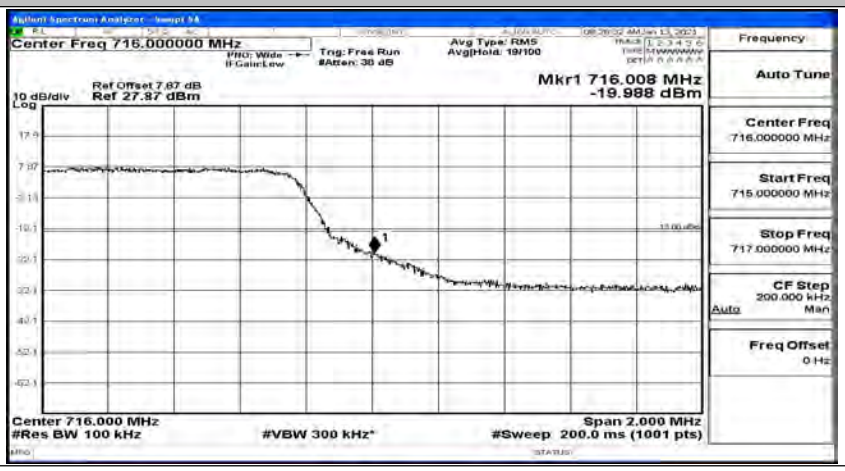


Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK

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

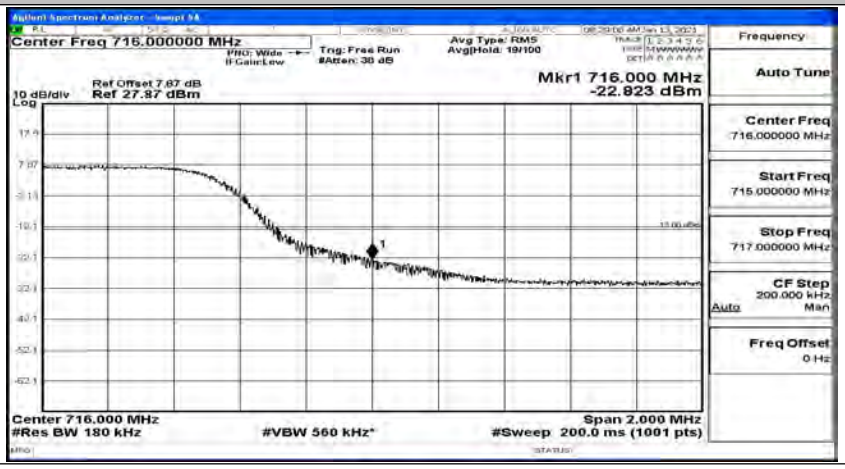


Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



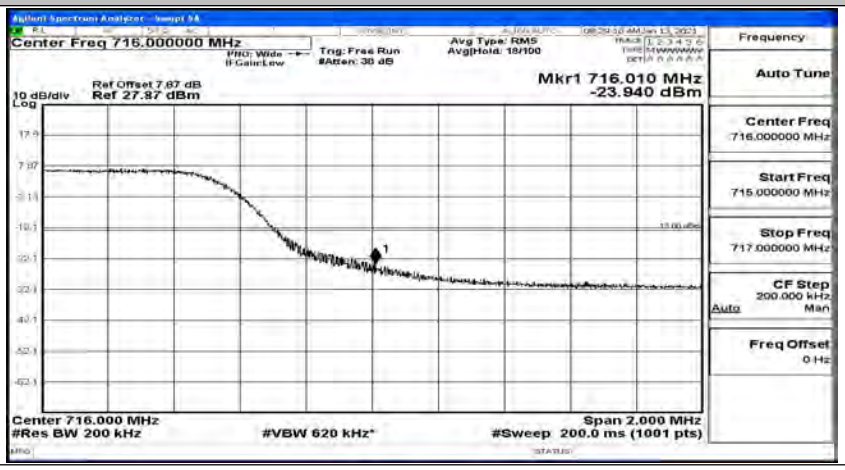
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK

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



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

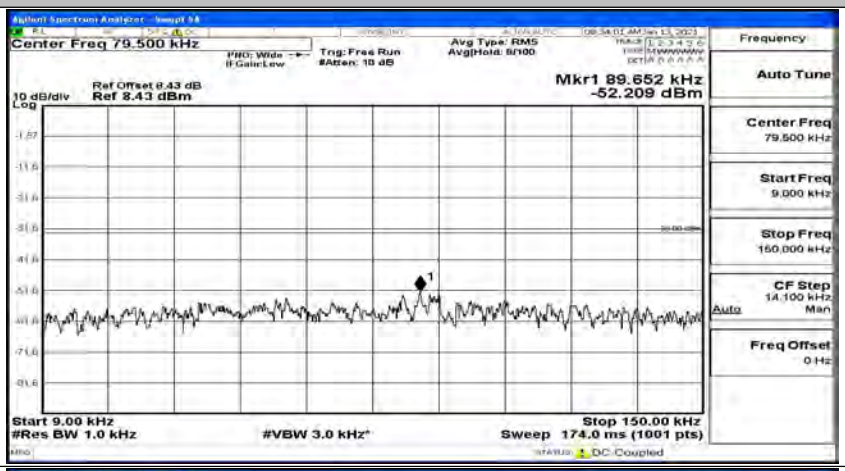
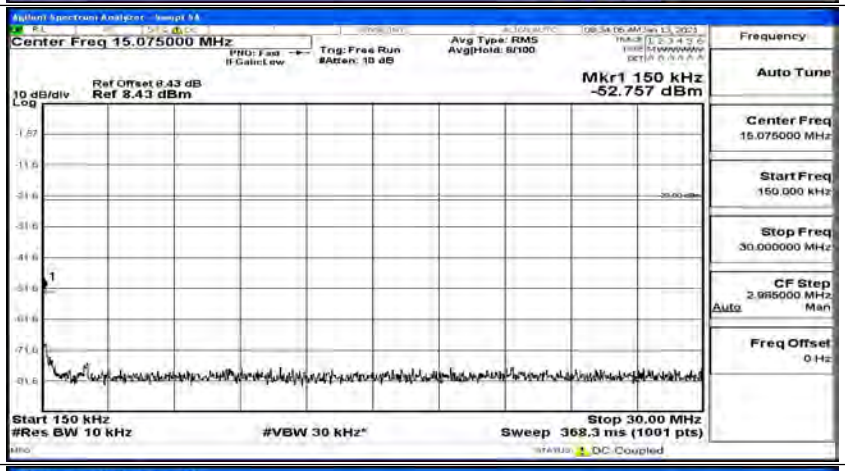
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



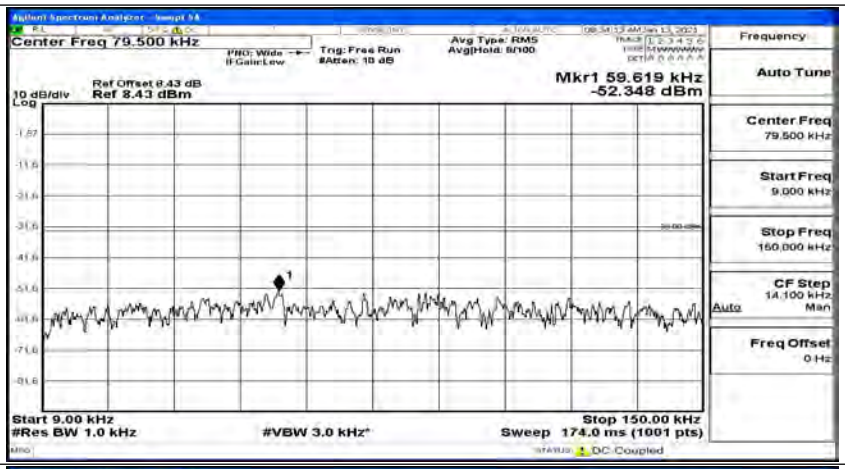
I.5 Conducted Spurious Emission

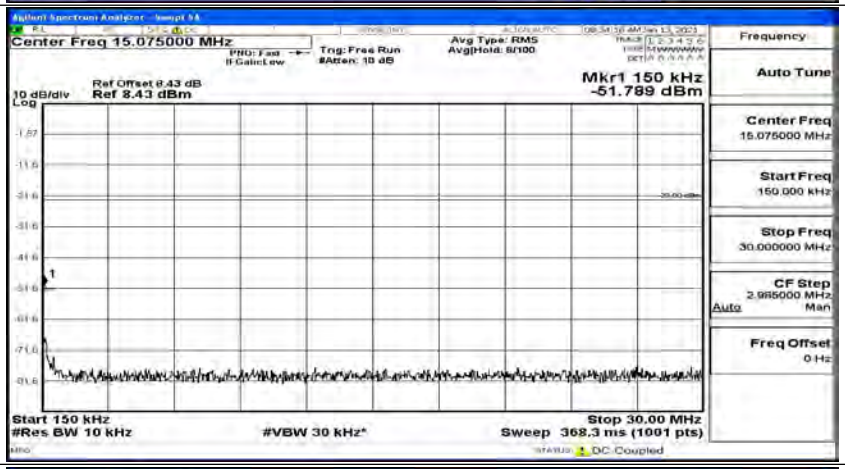
Test Graphs

Channel Bandwidth: 5 MHz

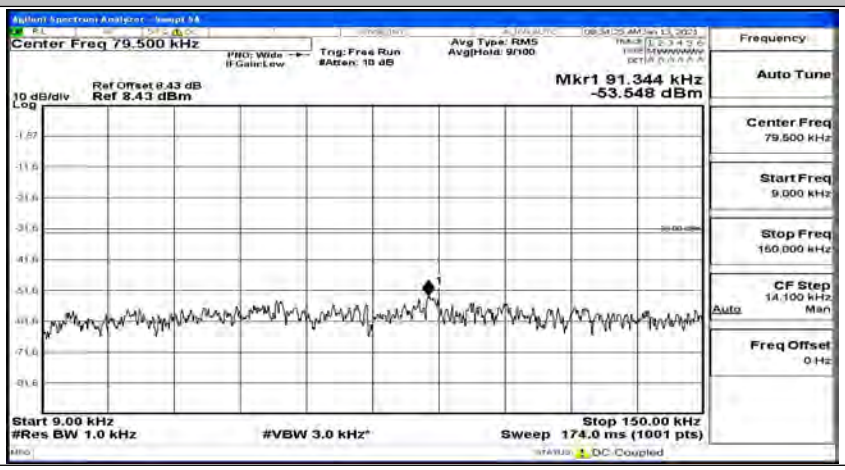
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



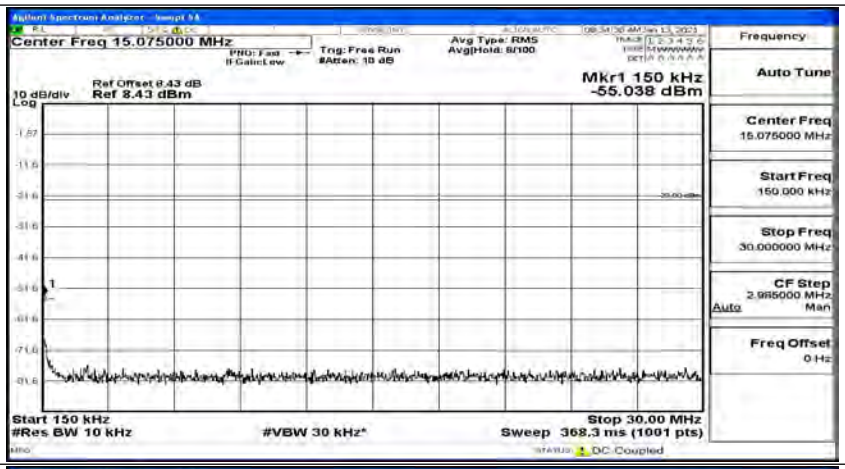
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



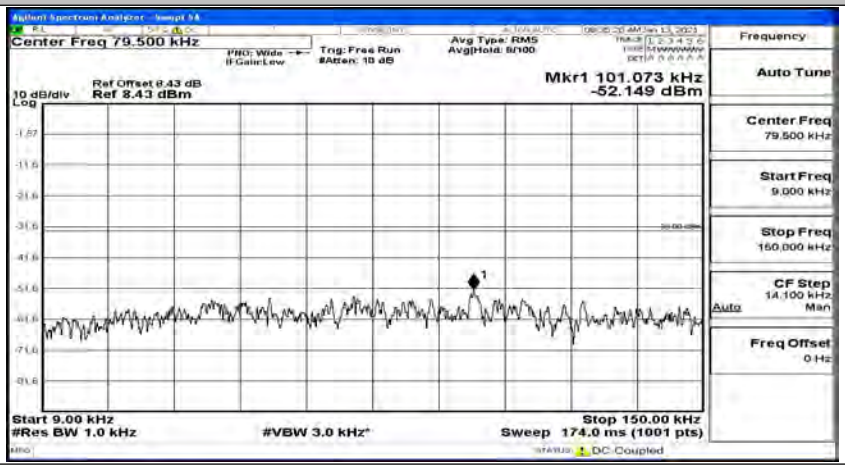


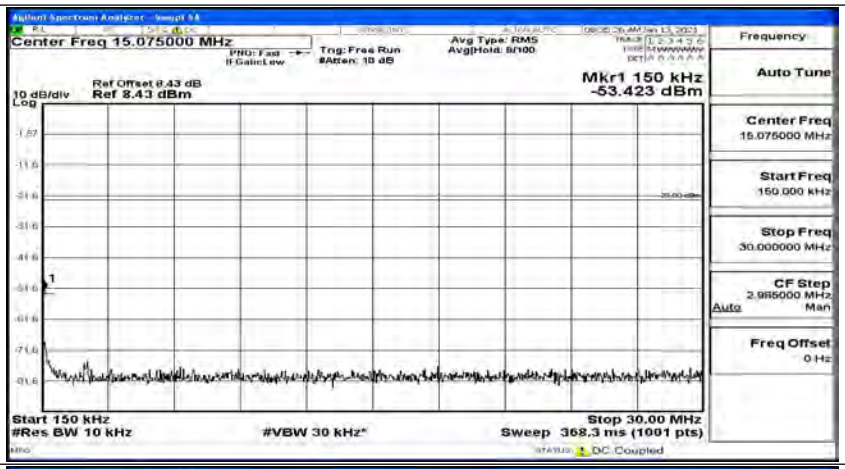
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



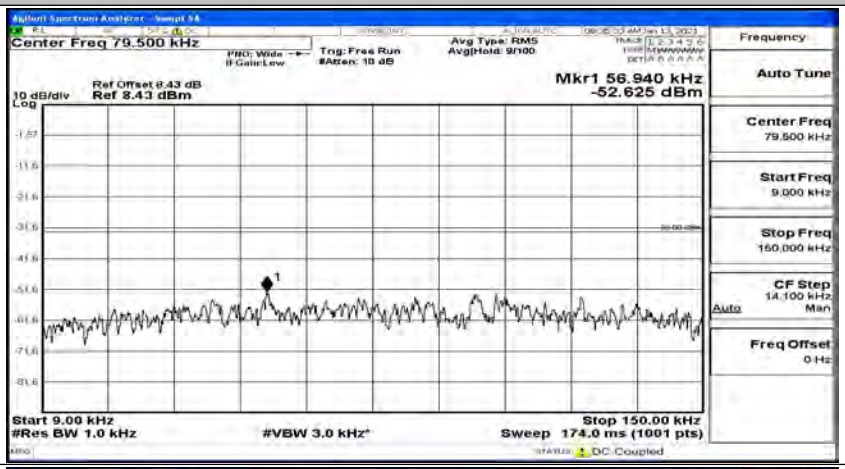


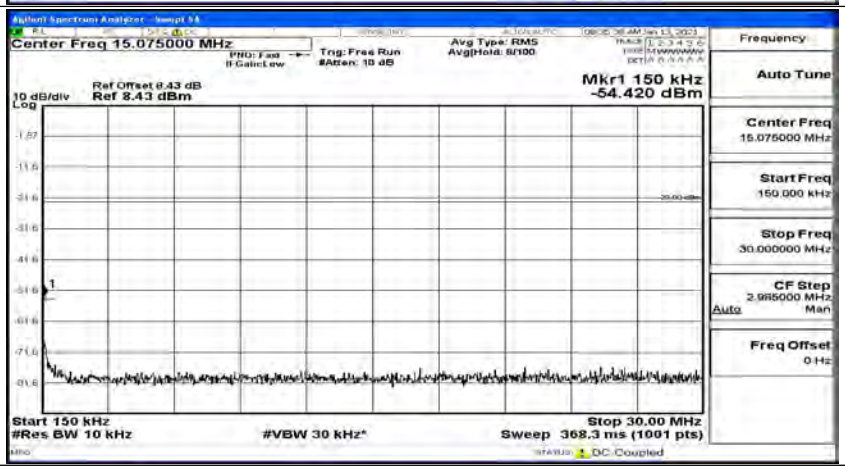
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



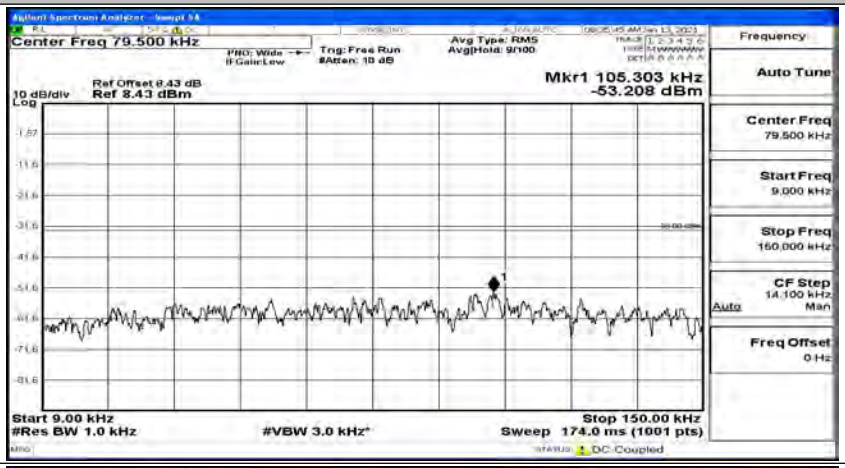


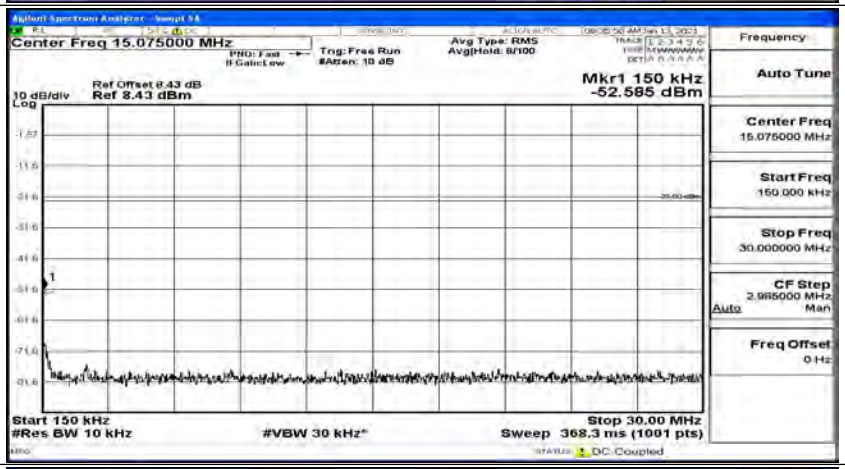
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



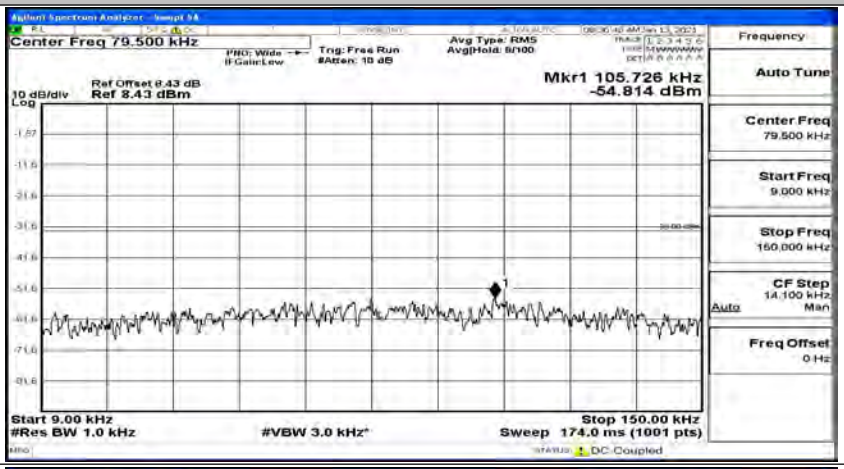


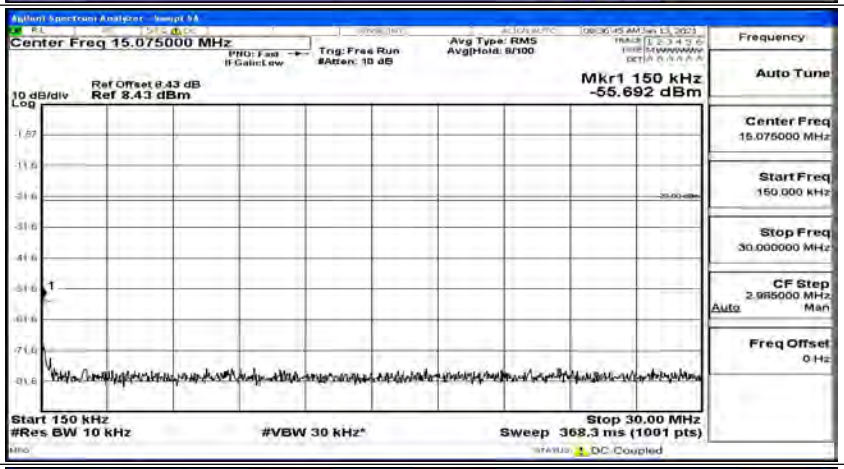
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



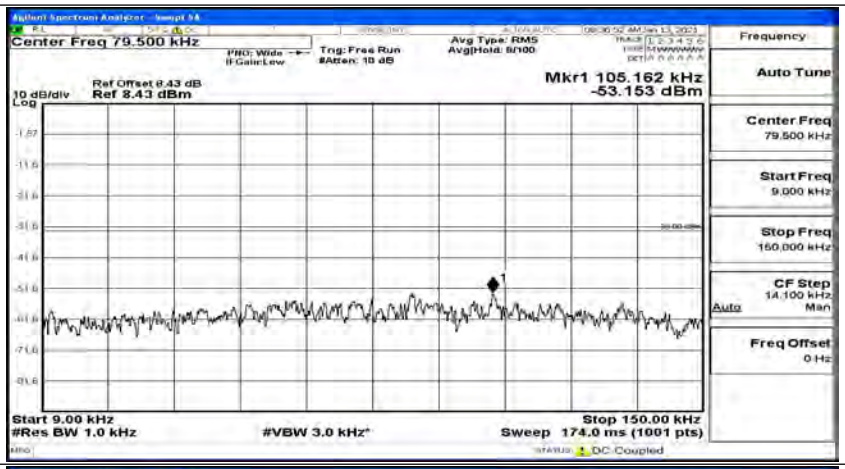


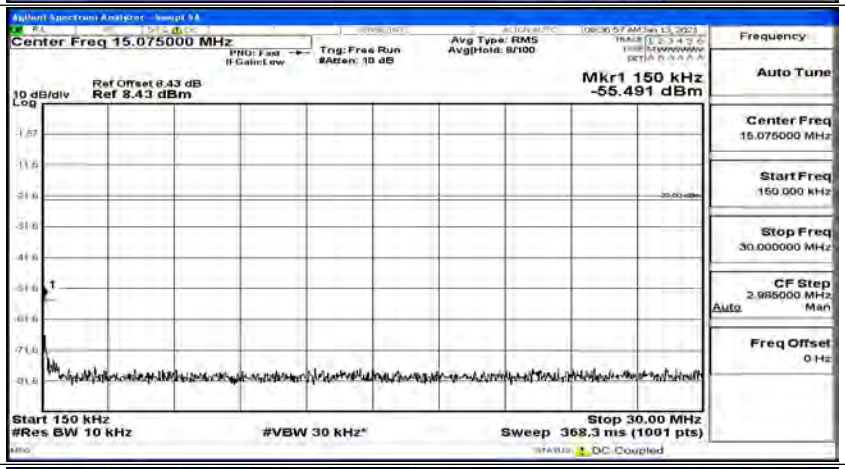
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



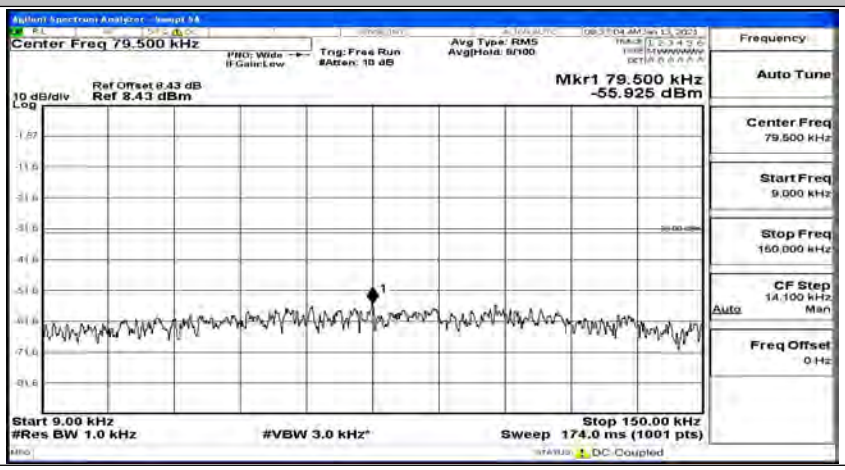


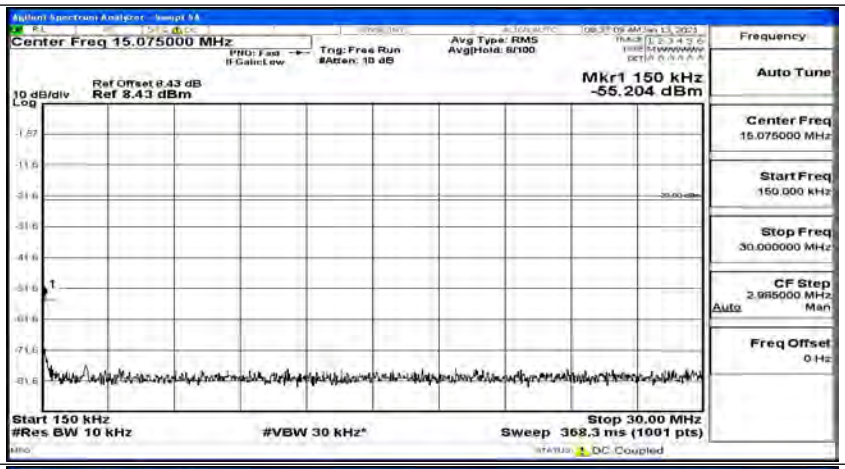
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



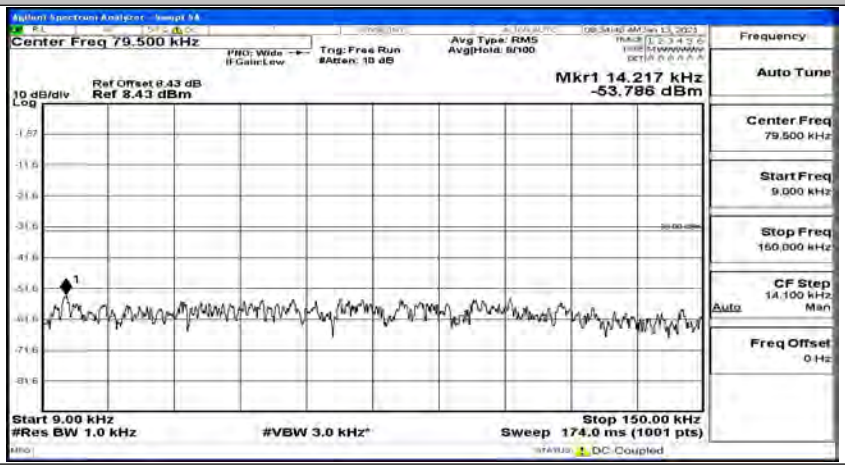


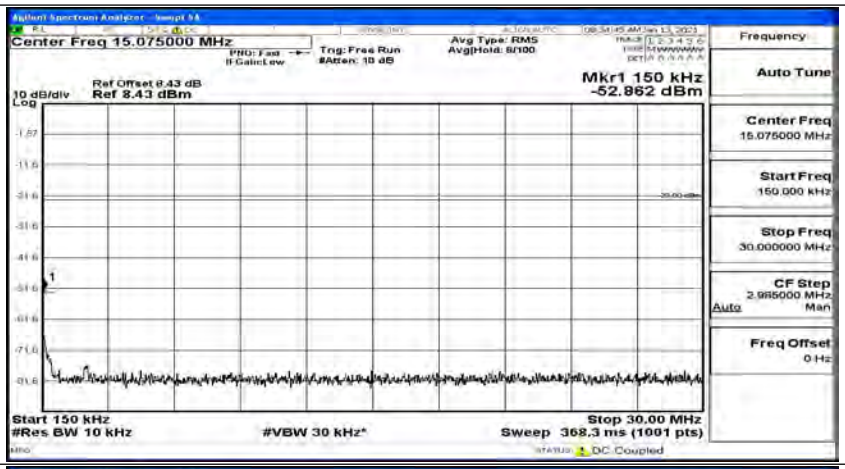
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



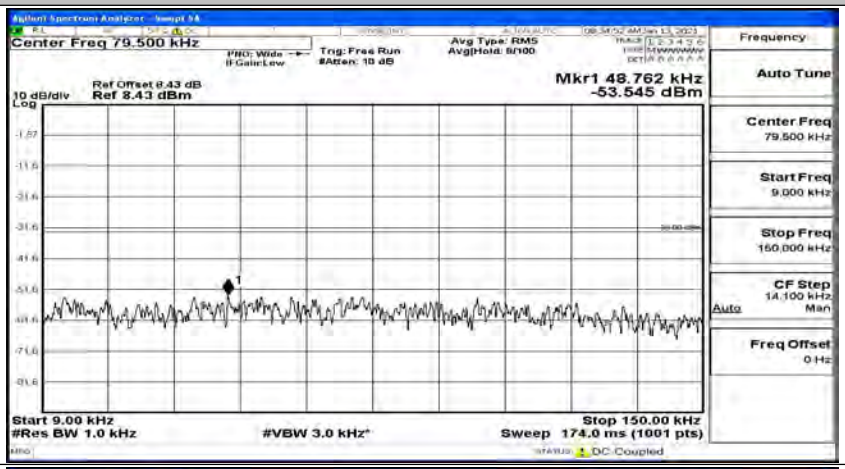


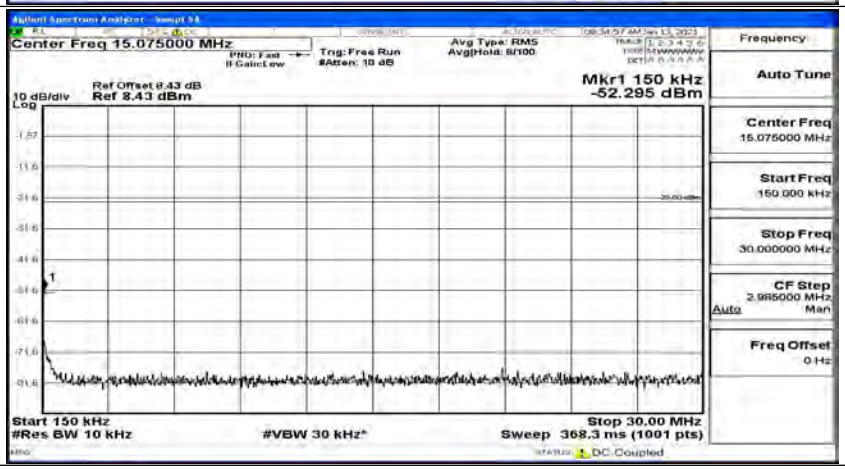
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



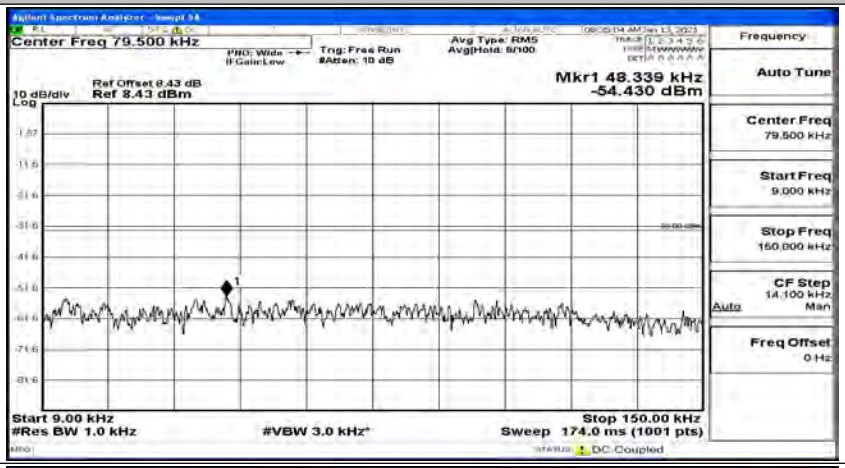


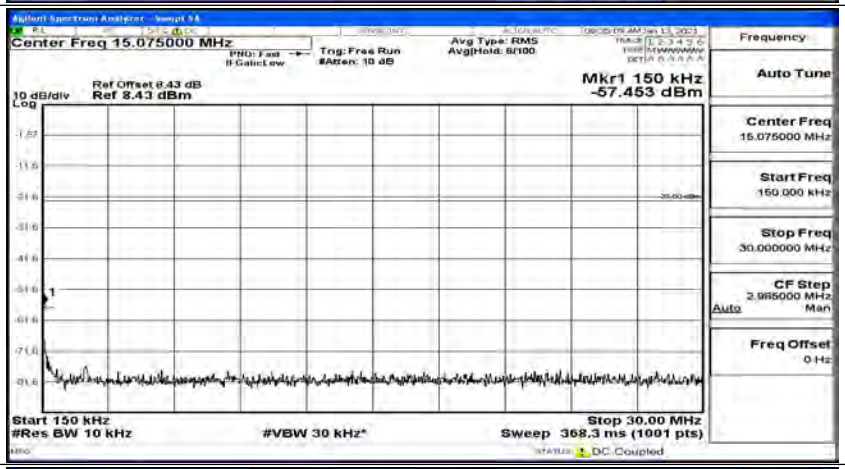
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



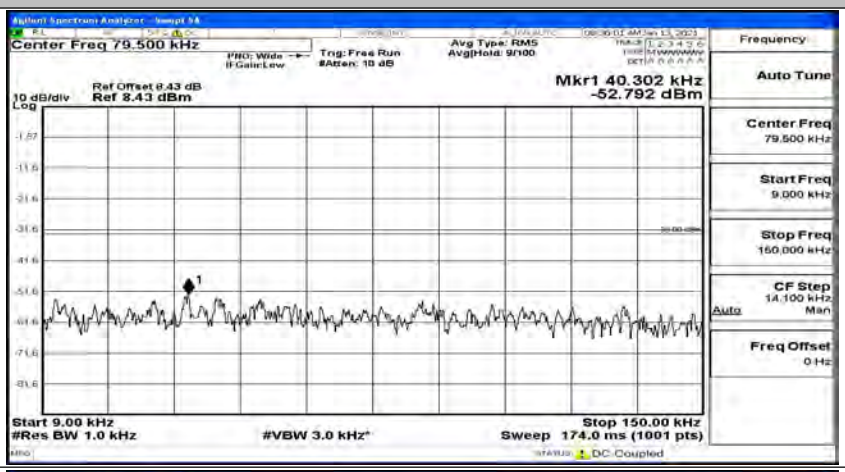


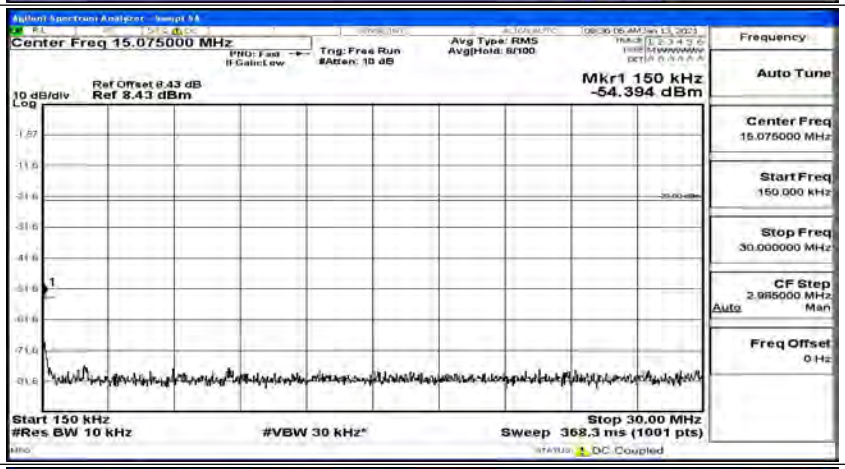
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



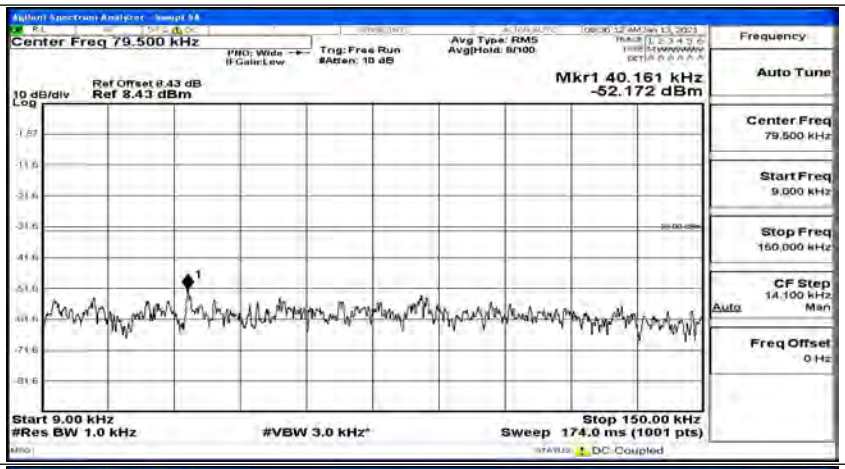


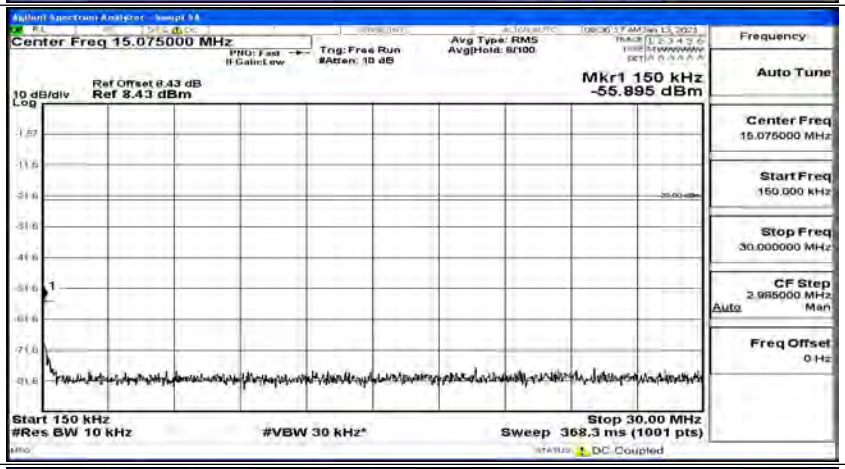
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



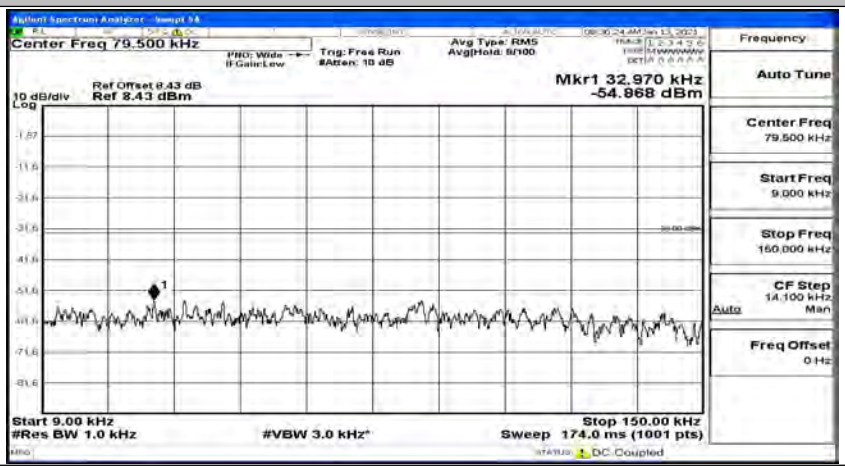


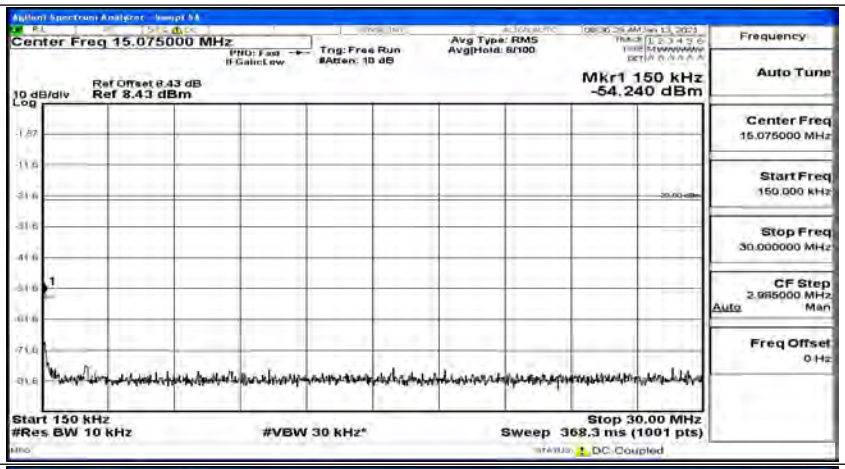
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



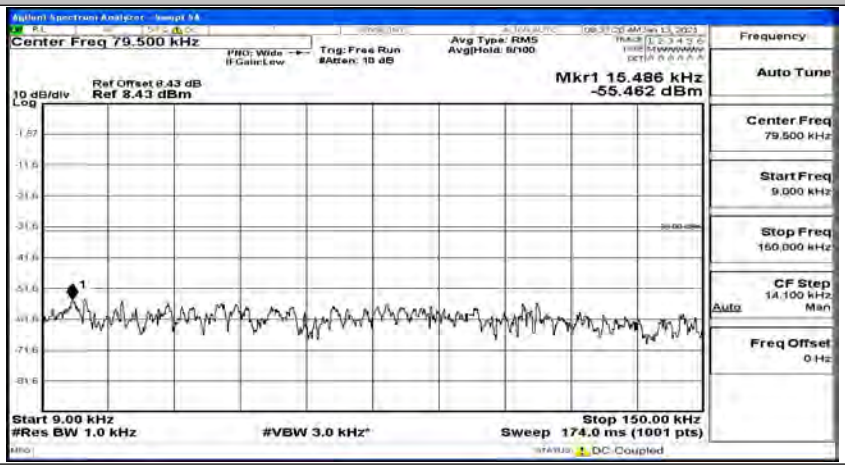


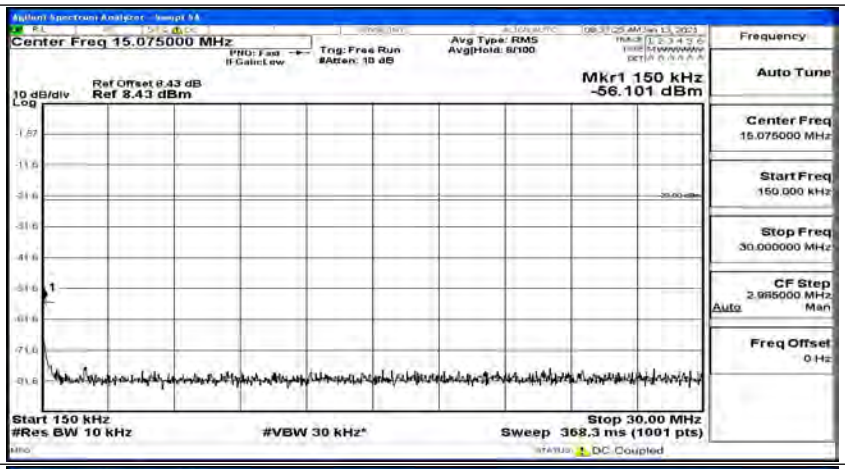
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



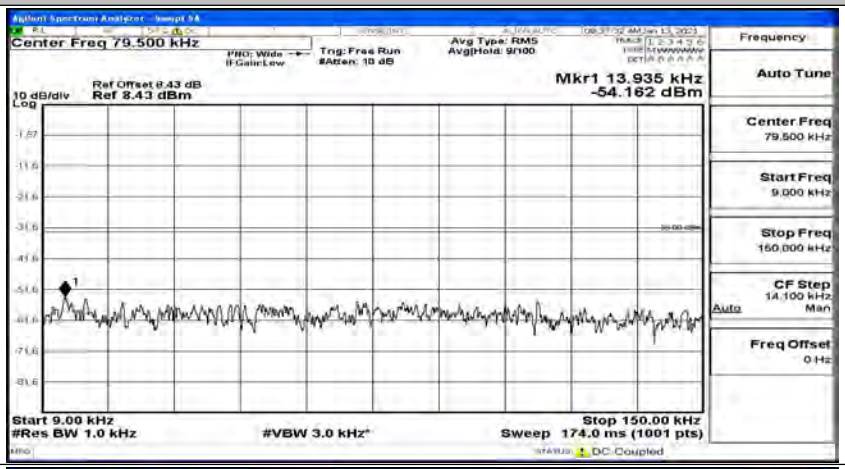


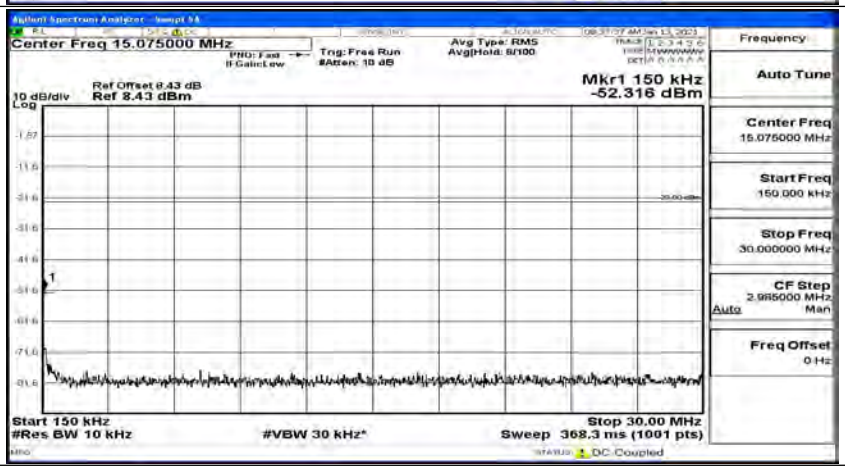
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



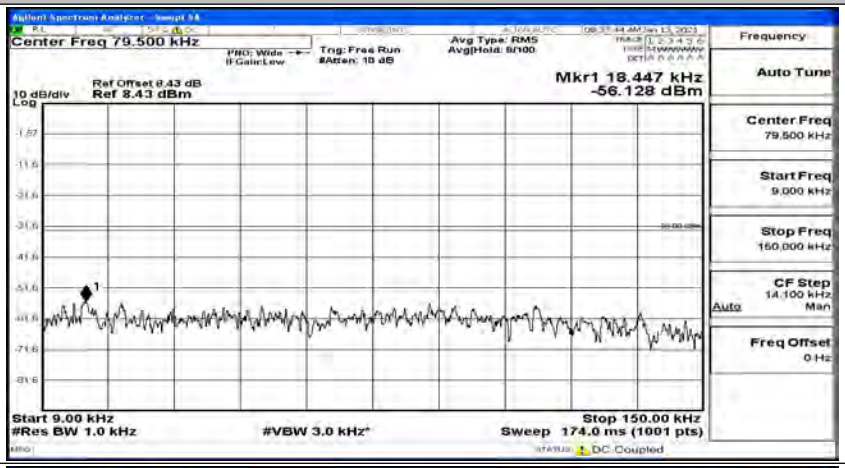


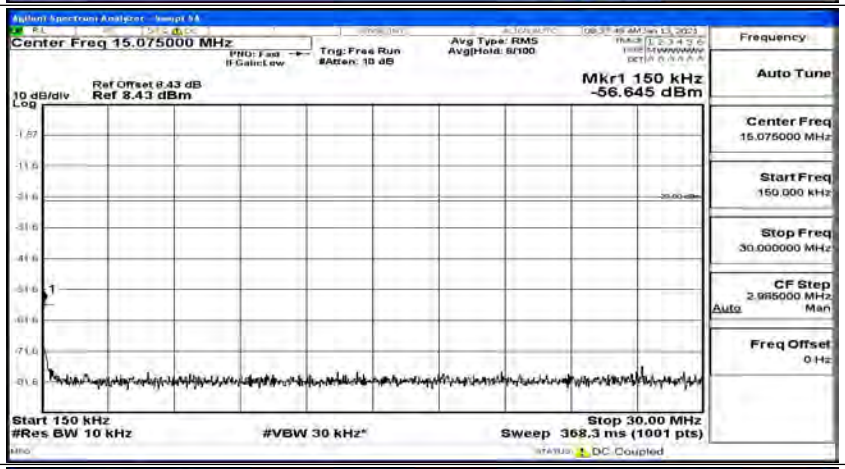
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12





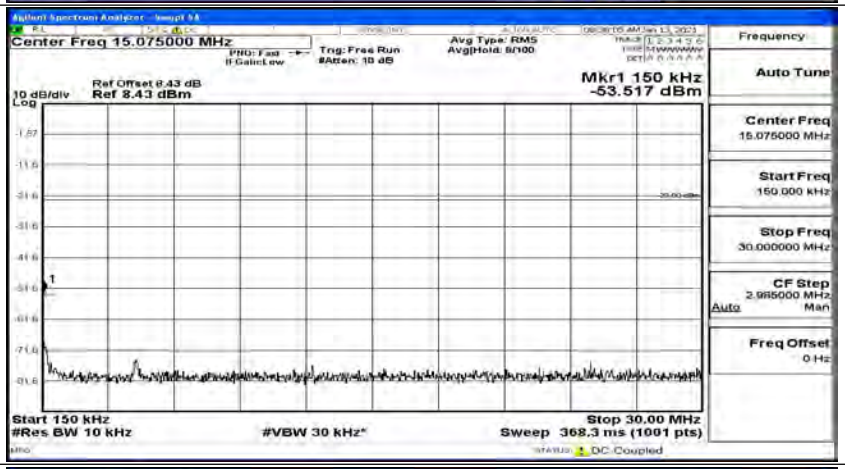
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



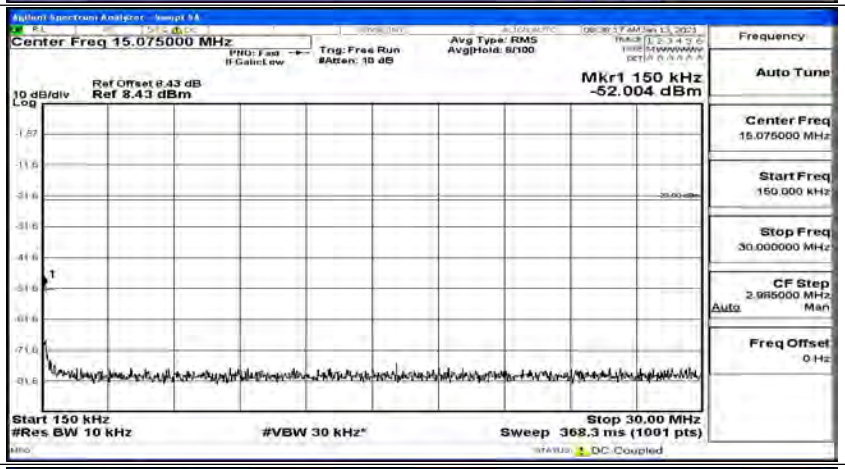


Channel Bandwidth: 10 MHz

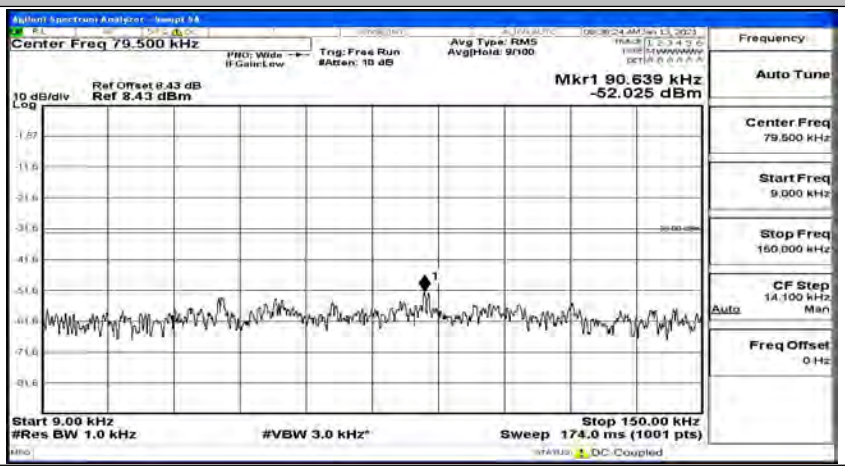
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0

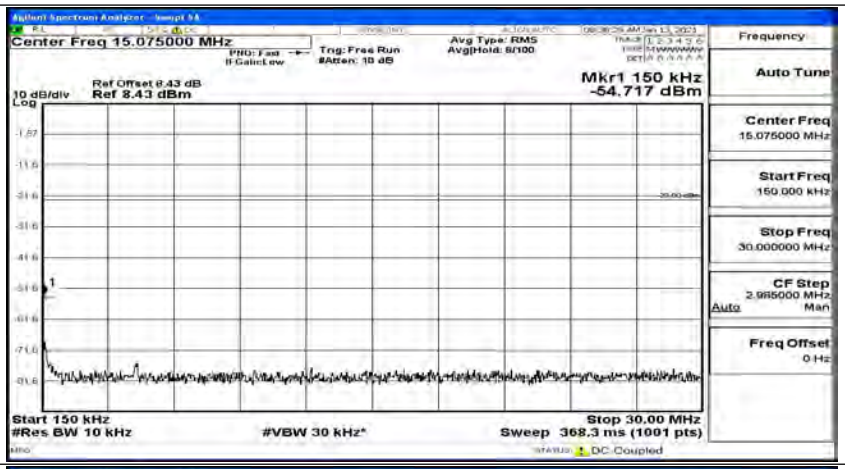


Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#24

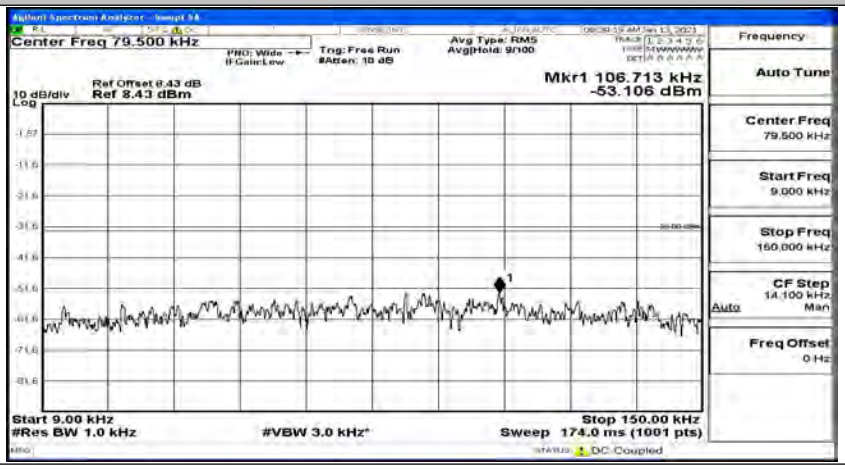


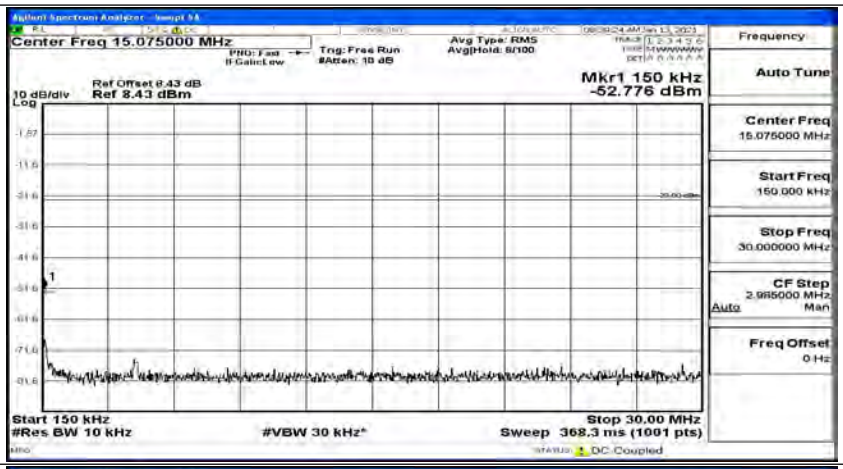
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#49



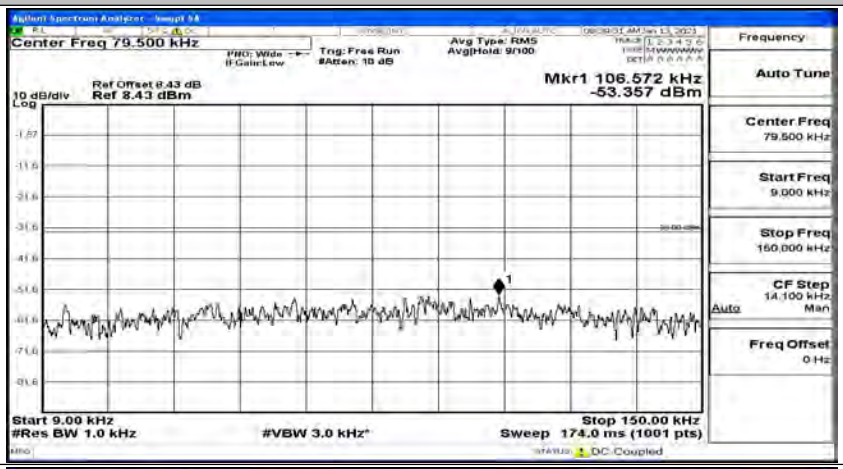


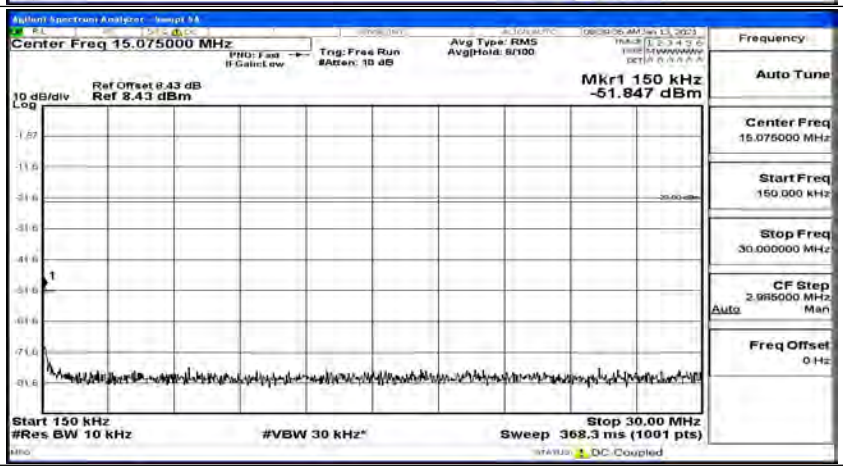
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0



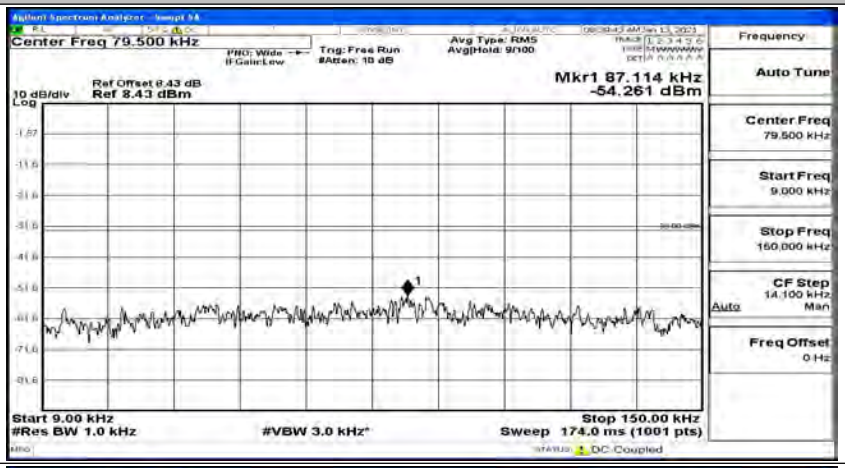


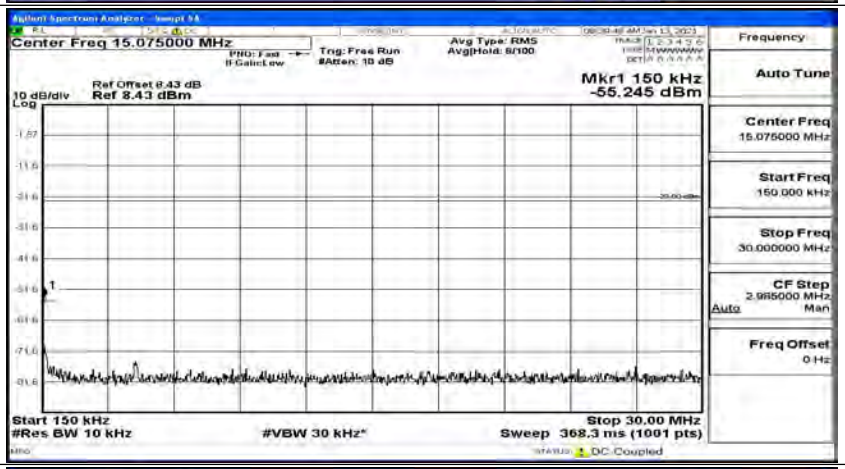
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

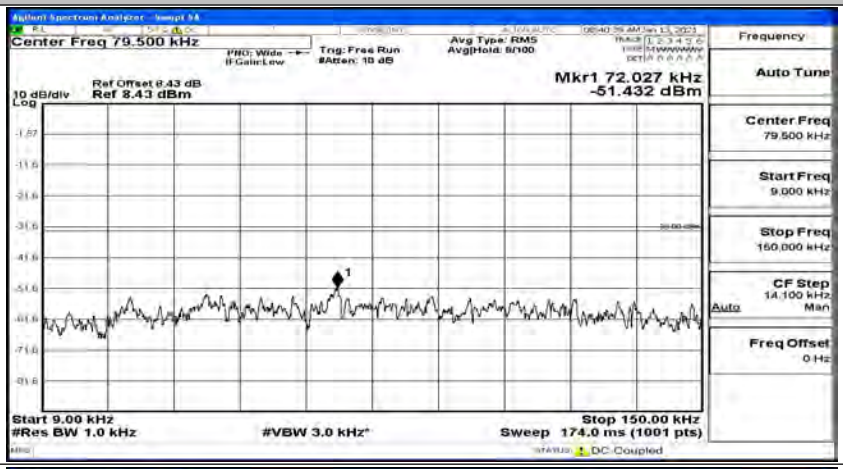
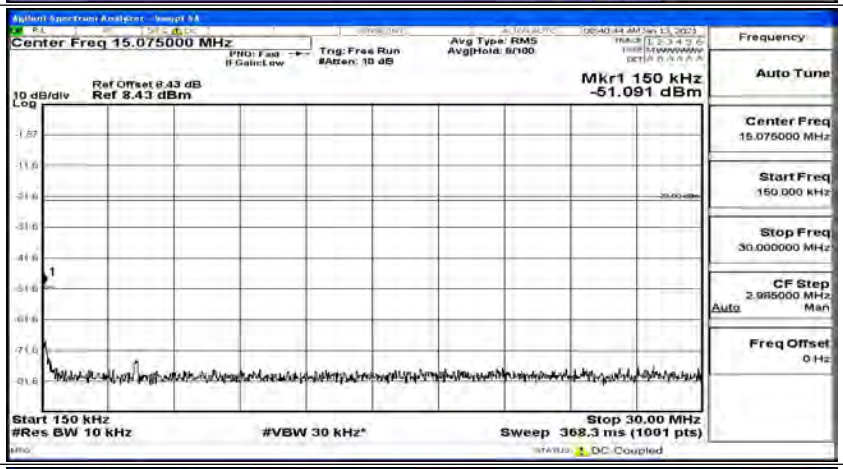




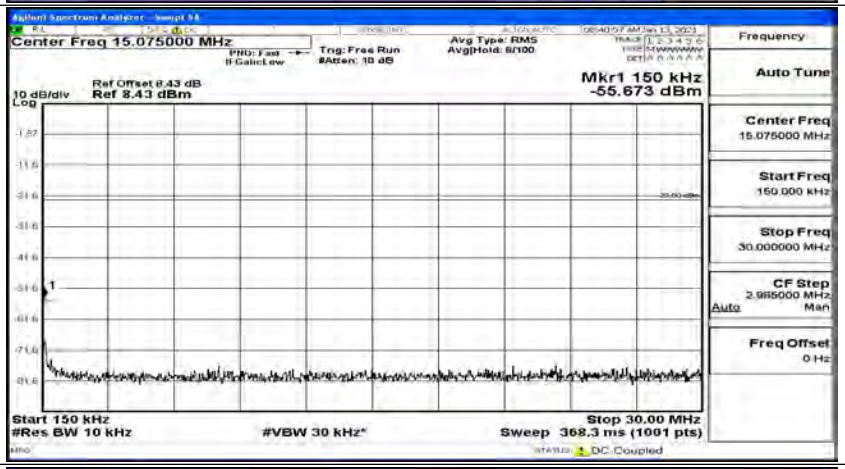
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49



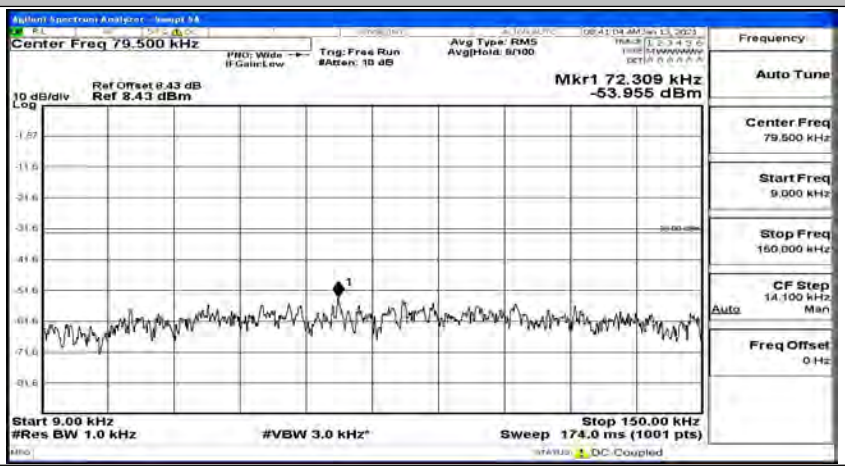


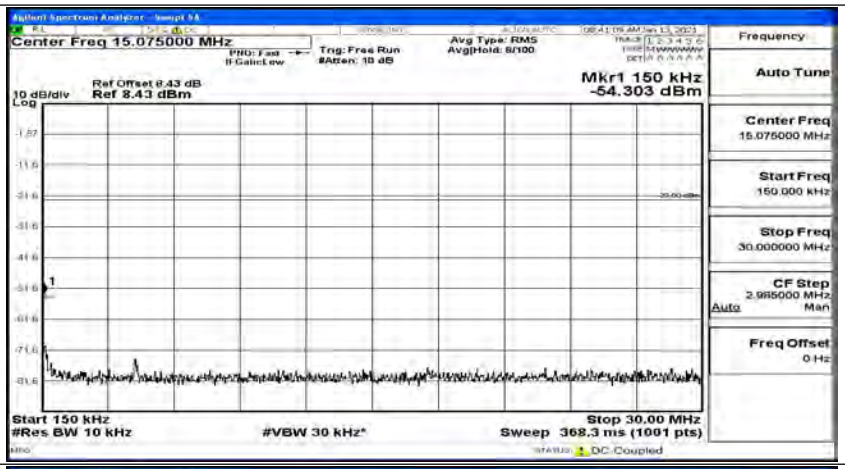
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

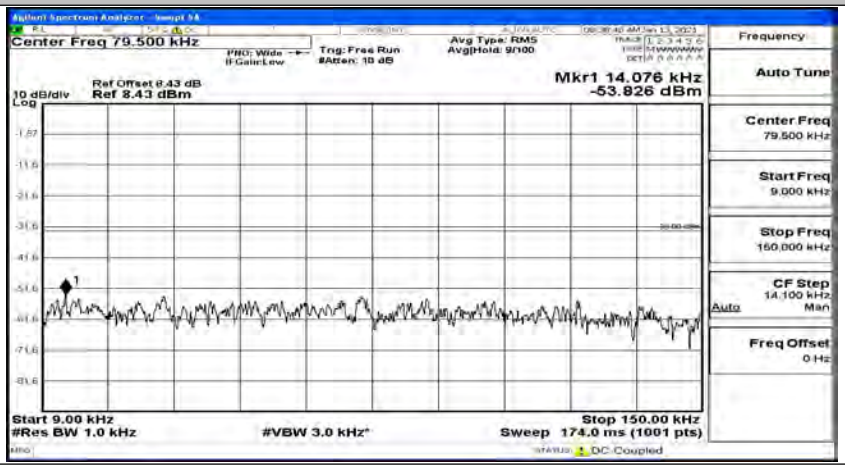


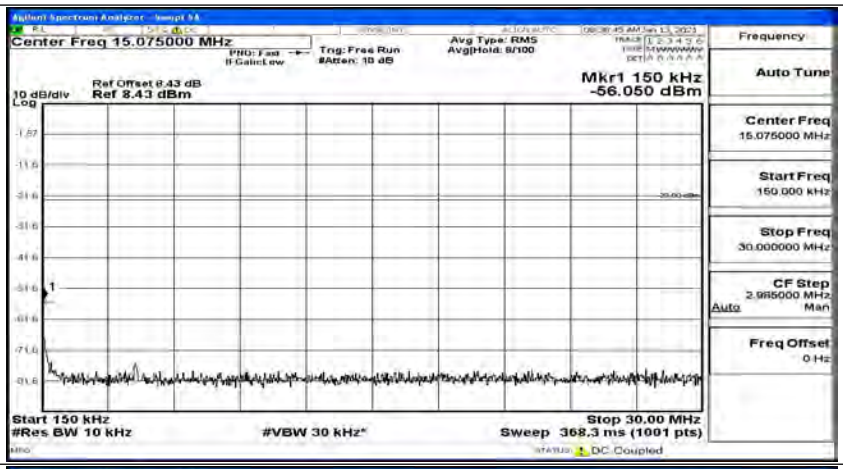
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



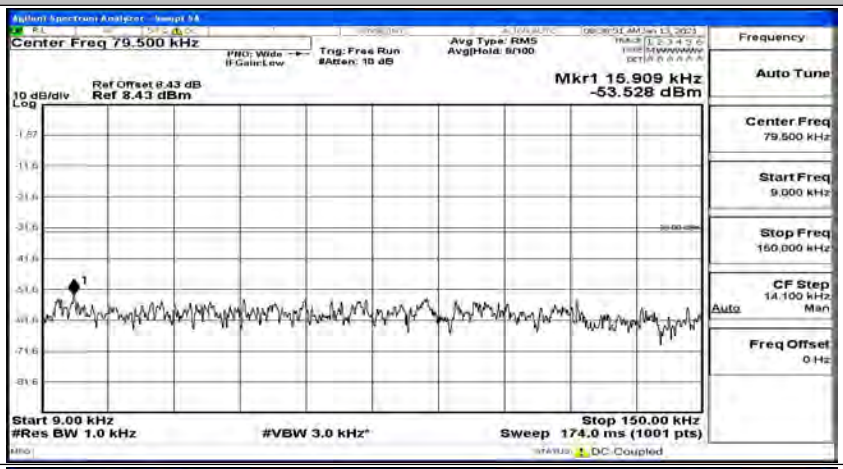


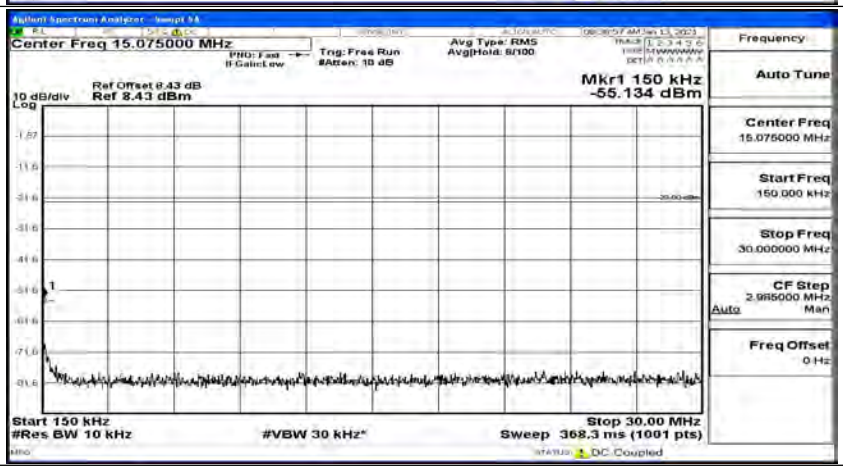
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



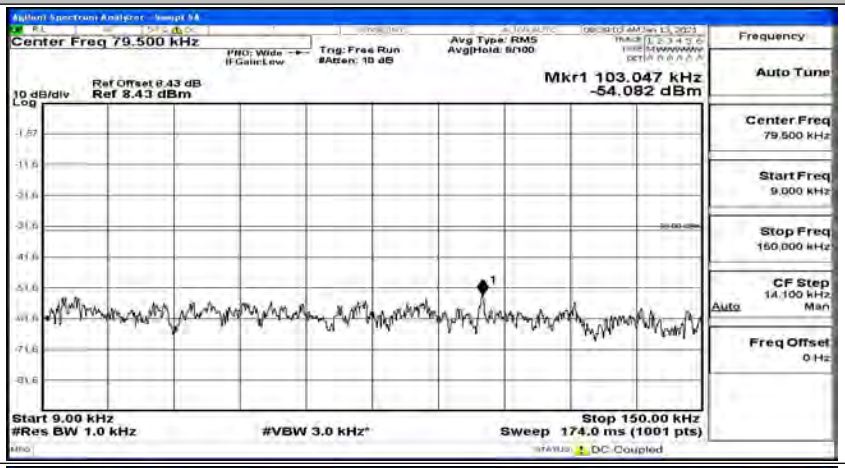


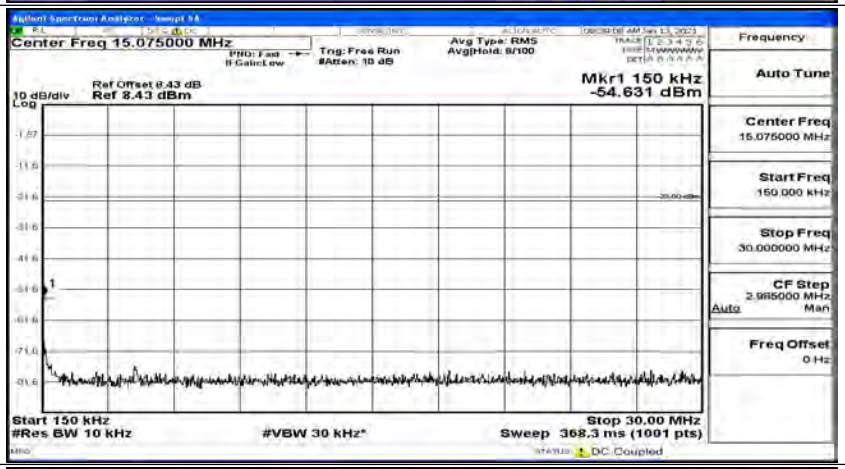
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

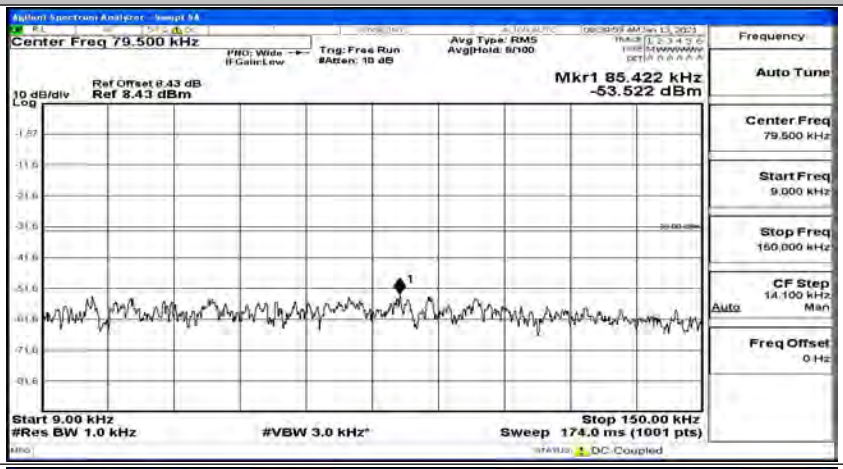
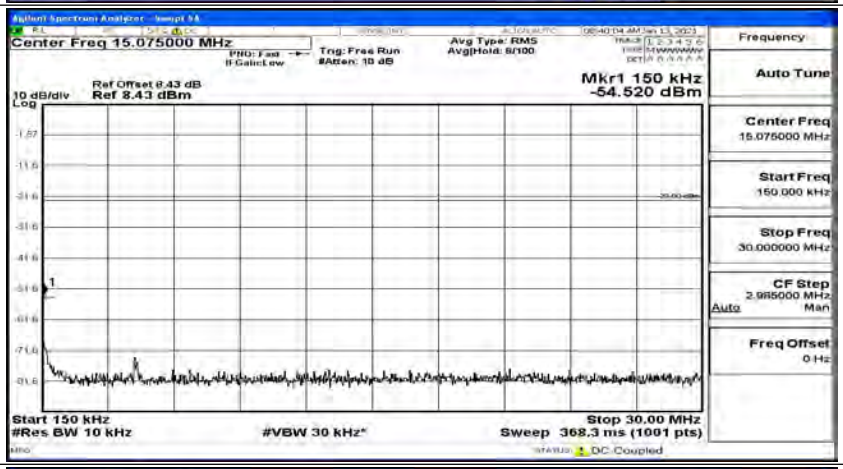




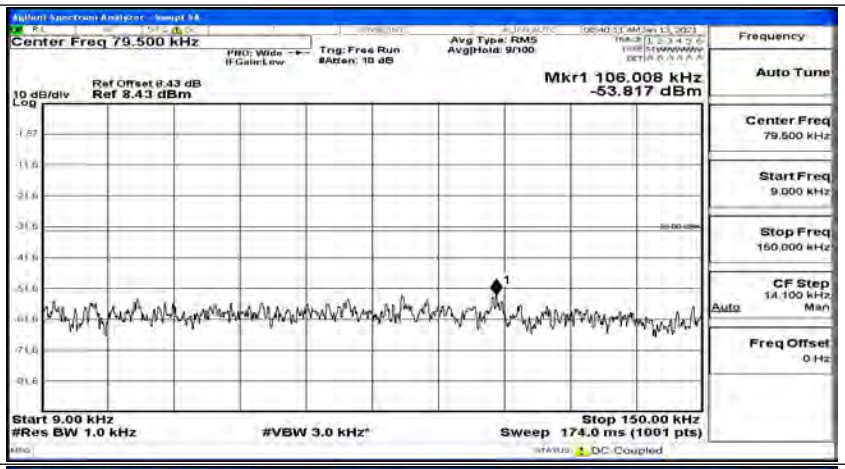
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49

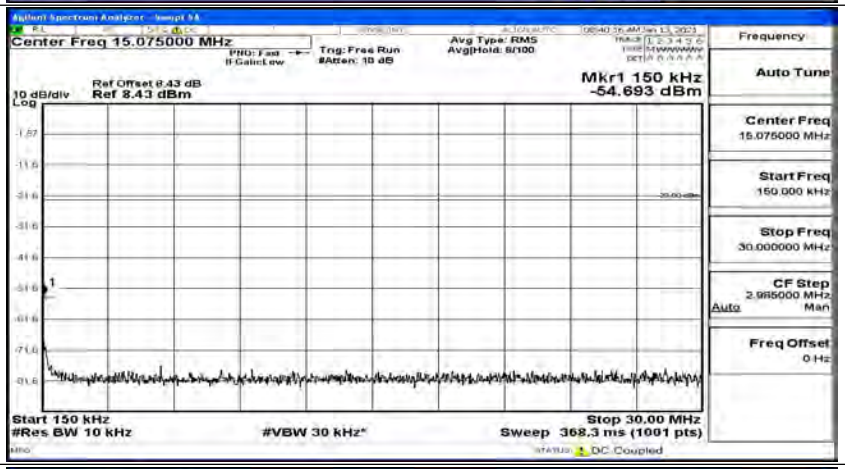




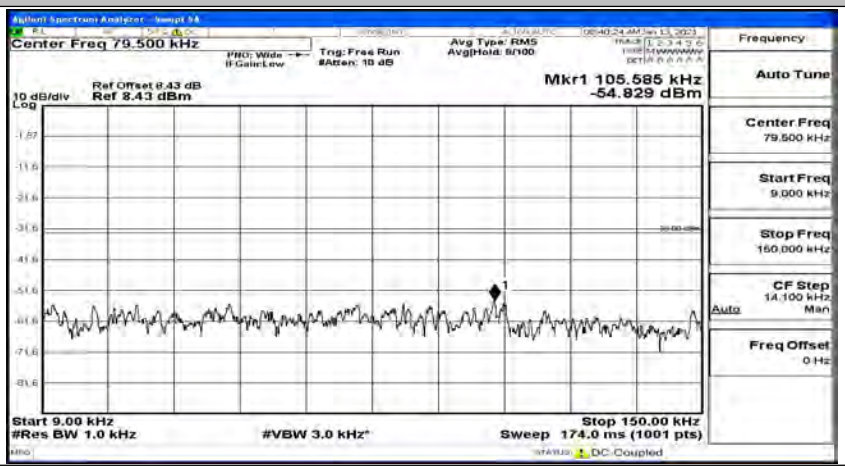
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



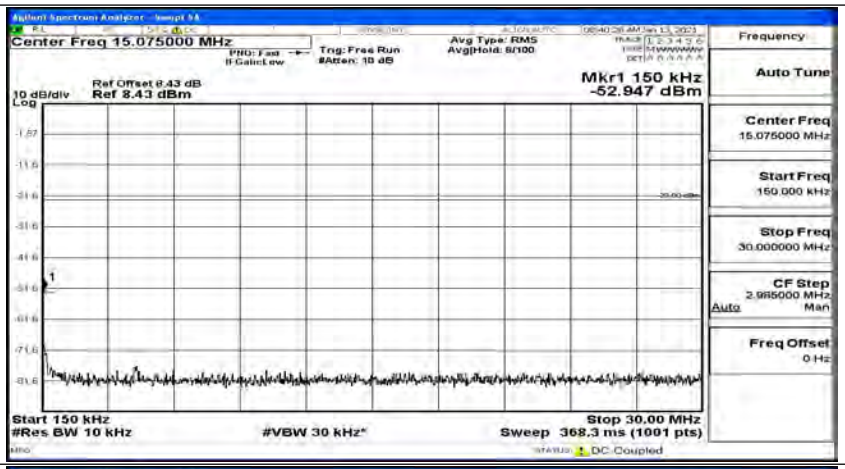
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24



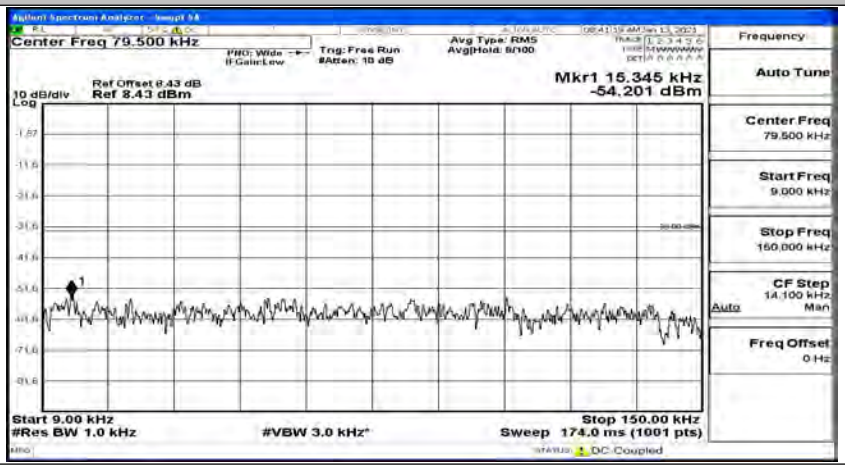


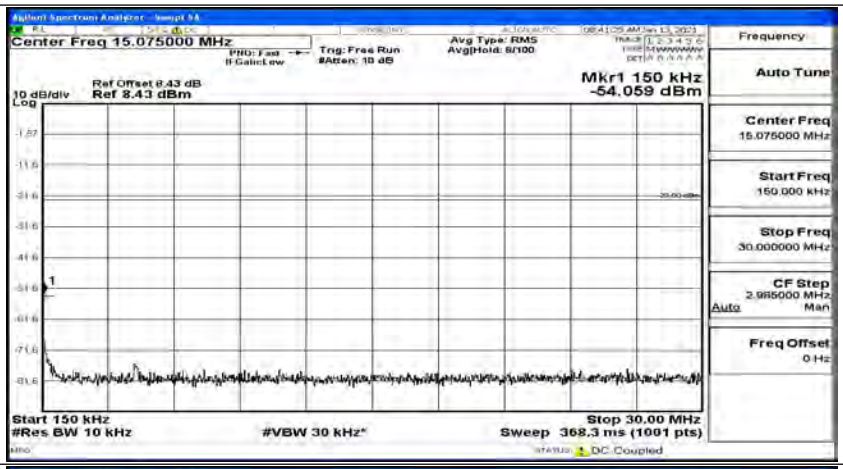
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49



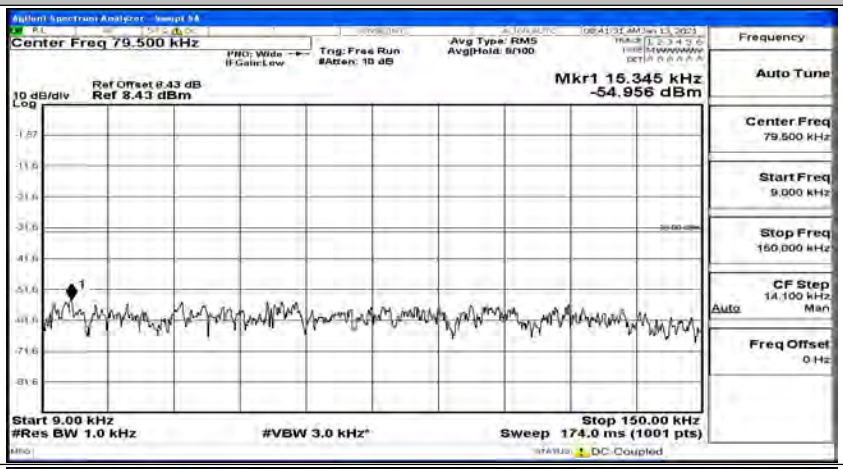


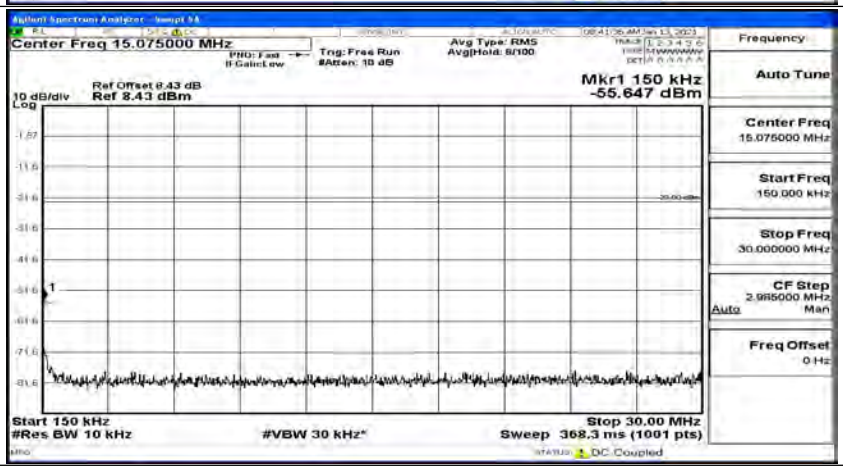
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0





Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24





Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49