

## Appendix I: Test Data for E-UTRA Band 13

**Product Name: Smart Phone**

**Trade Mark: DOOGEE**

**Test Model: S96Pro**

### Environmental Conditions

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

## I.1 Conducted Output Power

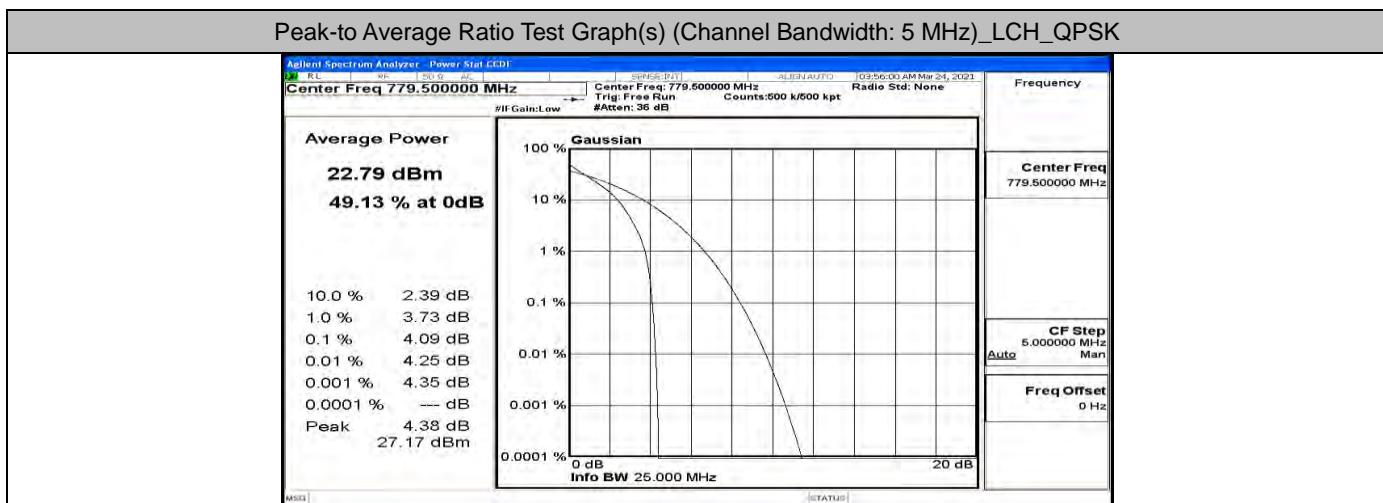
Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK / 16QAM	LCH	1	0	23.19	22.14	PASS
		1	12	23.28	22.22	PASS
		1	24	23.05	21.84	PASS
		12	0	22.17	21.09	PASS
		12	6	22.22	21.28	PASS
		12	13	22.17	21.12	PASS
		25	0	22.14	21.21	PASS
	MCH	1	0	23.16	22.16	PASS
		1	12	22.39	22.23	PASS
		1	24	22.99	22.00	PASS
		12	0	22.35	21.26	PASS
		12	6	22.44	21.26	PASS
		12	13	22.37	21.34	PASS
		25	0	22.34	21.38	PASS
	HCH	1	0	23.43	22.21	PASS
		1	12	23.53	22.26	PASS
		1	24	22.99	21.81	PASS
		12	0	22.33	21.11	PASS
		12	6	22.33	21.12	PASS
		12	13	22.10	20.81	PASS
		25	0	22.13	21.14	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	23.61	21.89	PASS
		1	24	23.68	22.61	PASS
		1	49	23.07	21.71	PASS
		25	0	22.50	21.65	PASS
		25	12	22.50	21.66	PASS
		25	25	22.37	21.58	PASS
		50	0	22.49	21.34	PASS
	MCH	1	0	23.41	22.71	PASS
		1	24	23.49	23.44	PASS
		1	49	22.98	22.29	PASS
		25	0	22.58	21.71	PASS
		25	12	22.57	21.72	PASS
		25	25	22.49	21.55	PASS
		50	0	22.57	21.52	PASS
	HCH	1	0	23.43	22.61	PASS
		1	24	23.35	22.85	PASS
		1	49	23.41	21.91	PASS
		25	0	22.65	21.63	PASS
		25	12	22.66	21.64	PASS
		25	25	22.58	21.50	PASS
		50	0	22.53	21.48	PASS

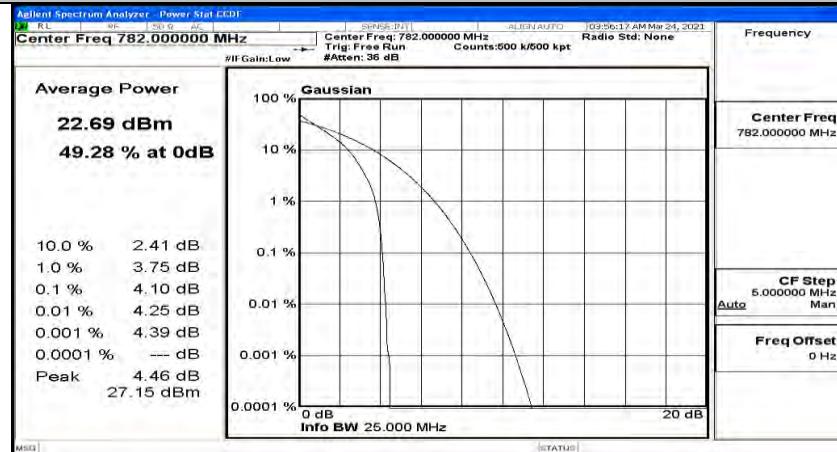
## I.2 Peak-to-Average Ratio

Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.09	<13	PASS
	MCH	4.1	<13	PASS
	HCH	4.09	<13	PASS
16QAM	LCH	5	<13	PASS
	MCH	5.02	<13	PASS
	HCH	4.99	<13	PASS

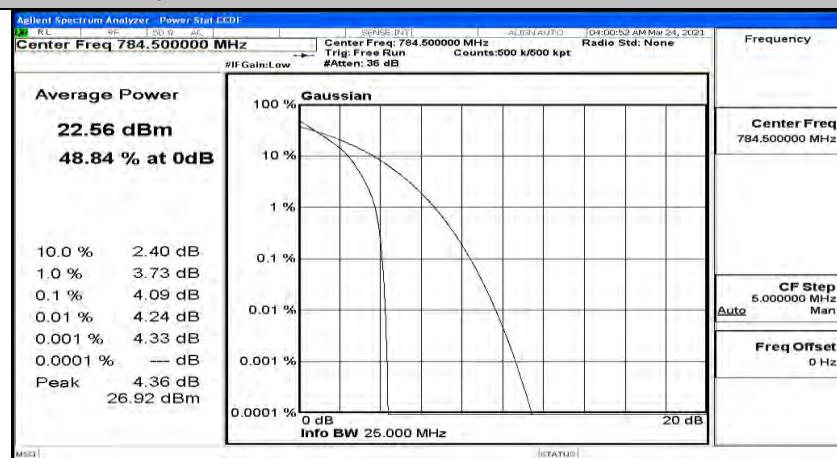
Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.15	<13	PASS
	MCH	4.16	<13	PASS
	HCH	4.17	<13	PASS
16QAM	LCH	5.09	<13	PASS
	MCH	5.07	<13	PASS
	HCH	5.08	<13	PASS



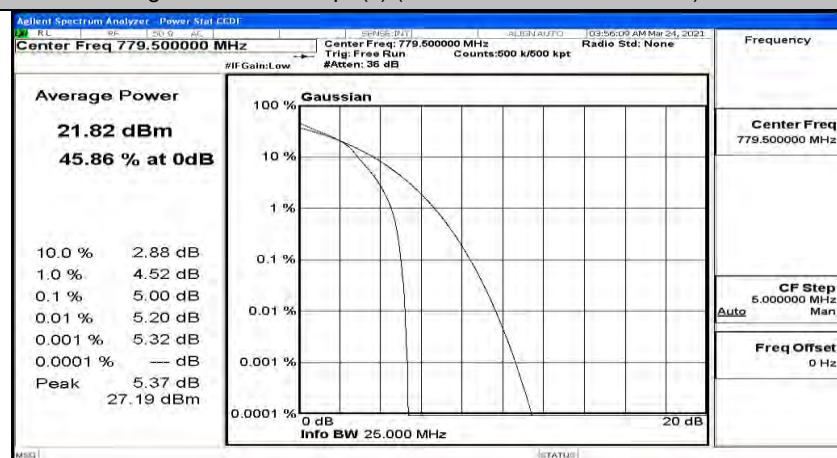
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_QPSK



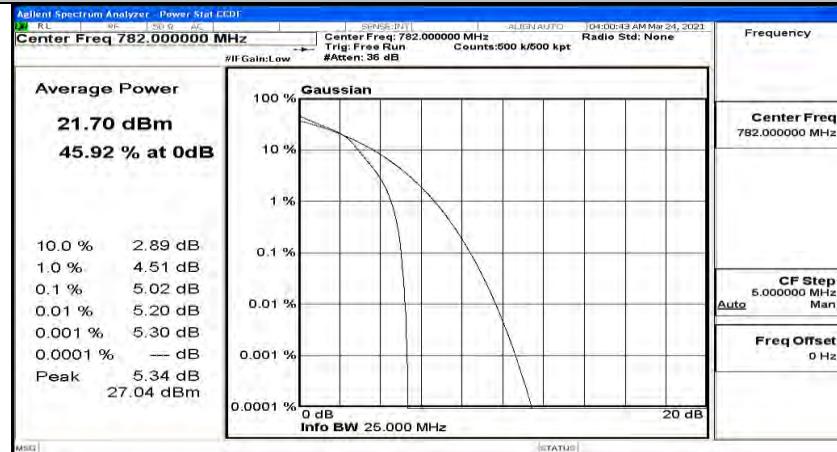
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_QPSK



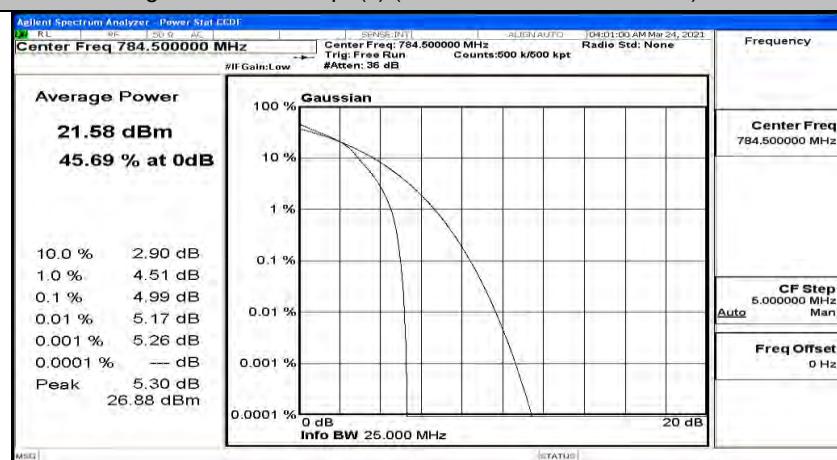
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_16QAM



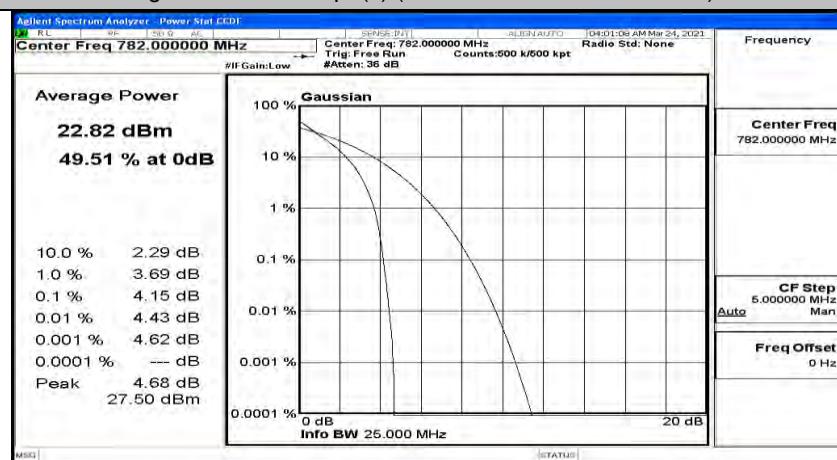
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_16QAM



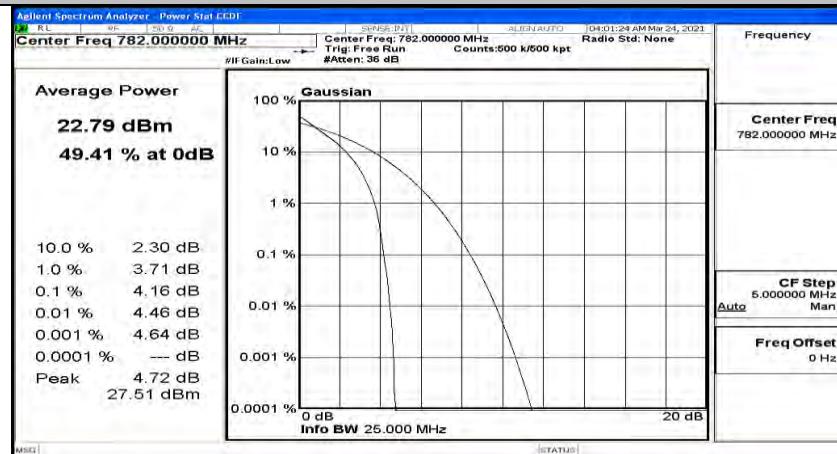
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM



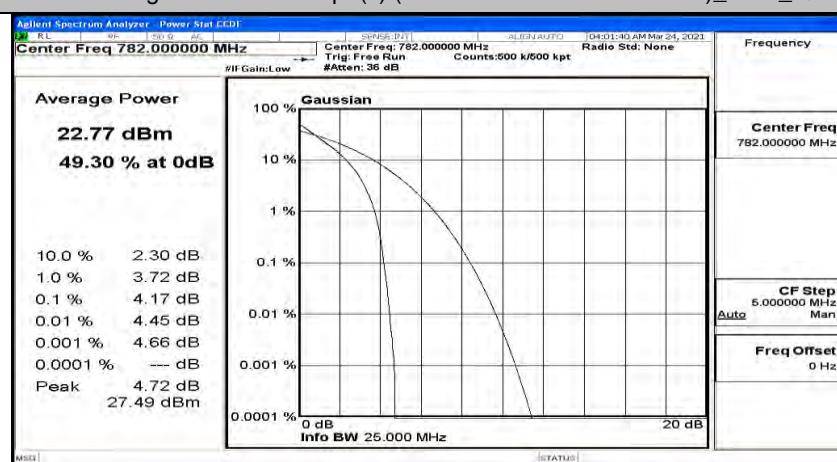
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK



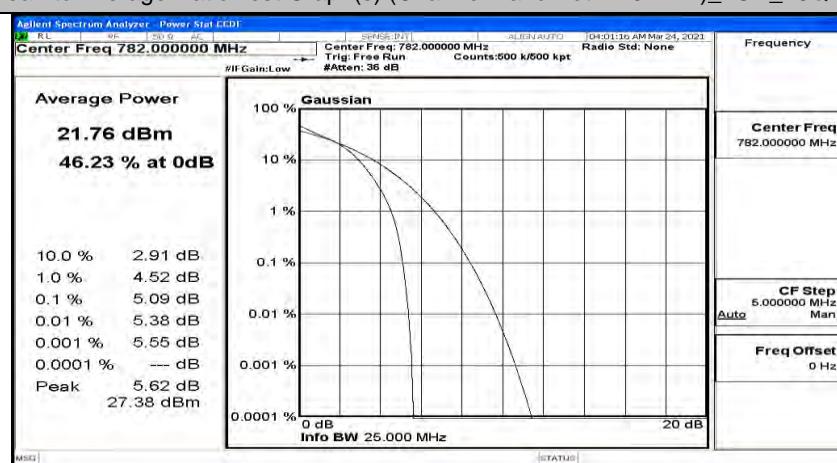
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_QPSK



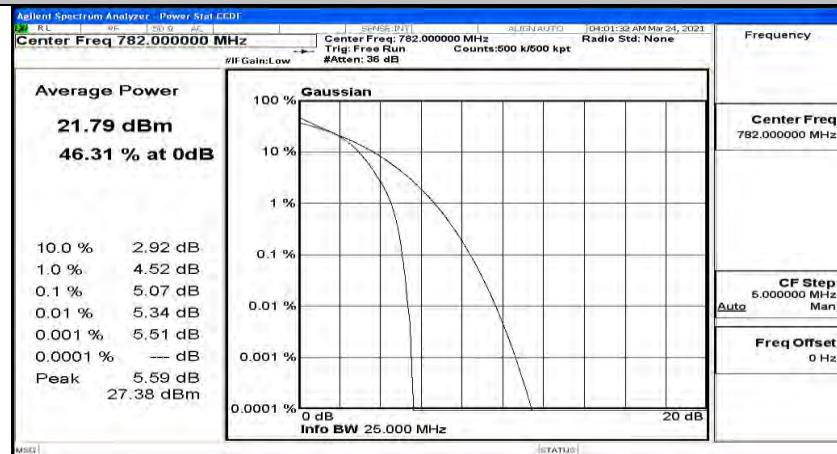
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_QPSK



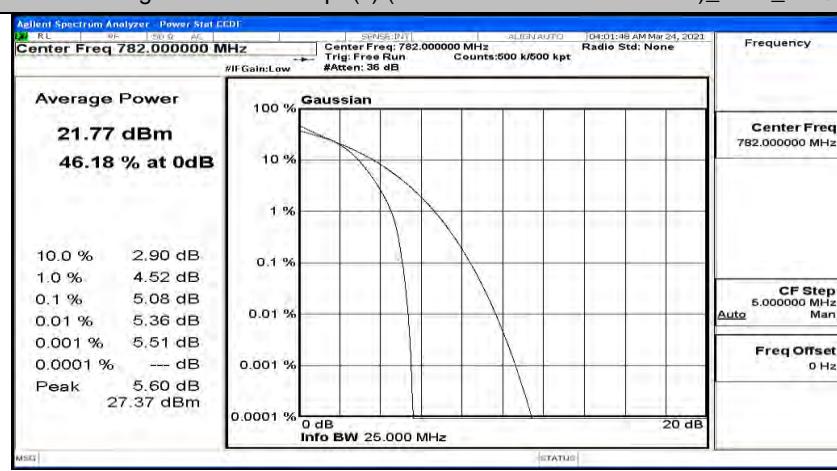
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_16QAM



Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_16QAM



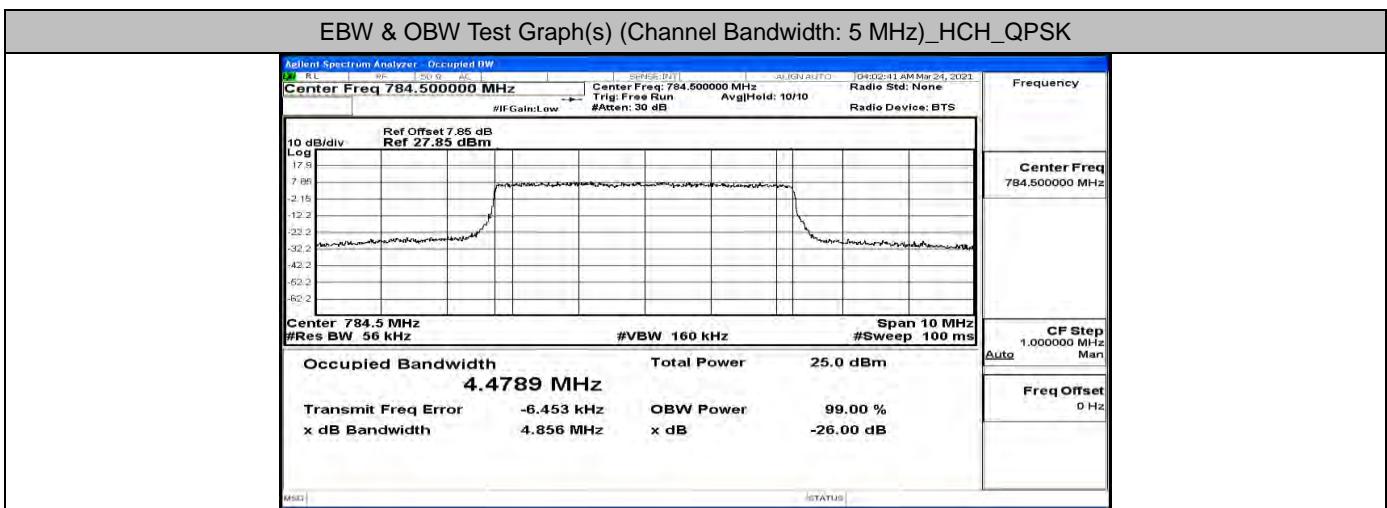
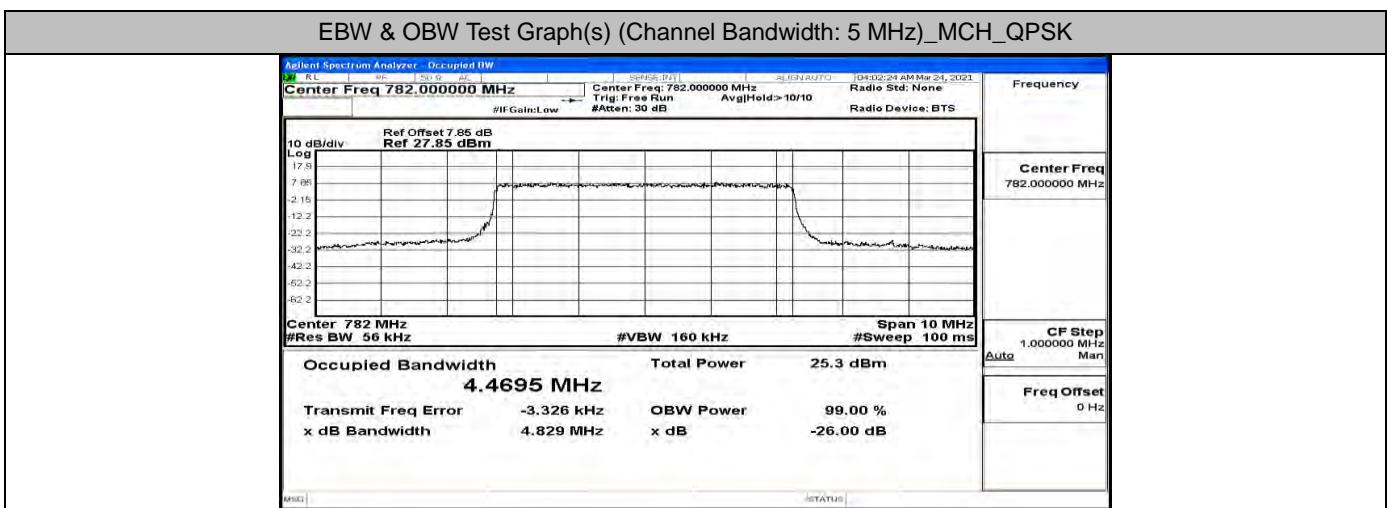
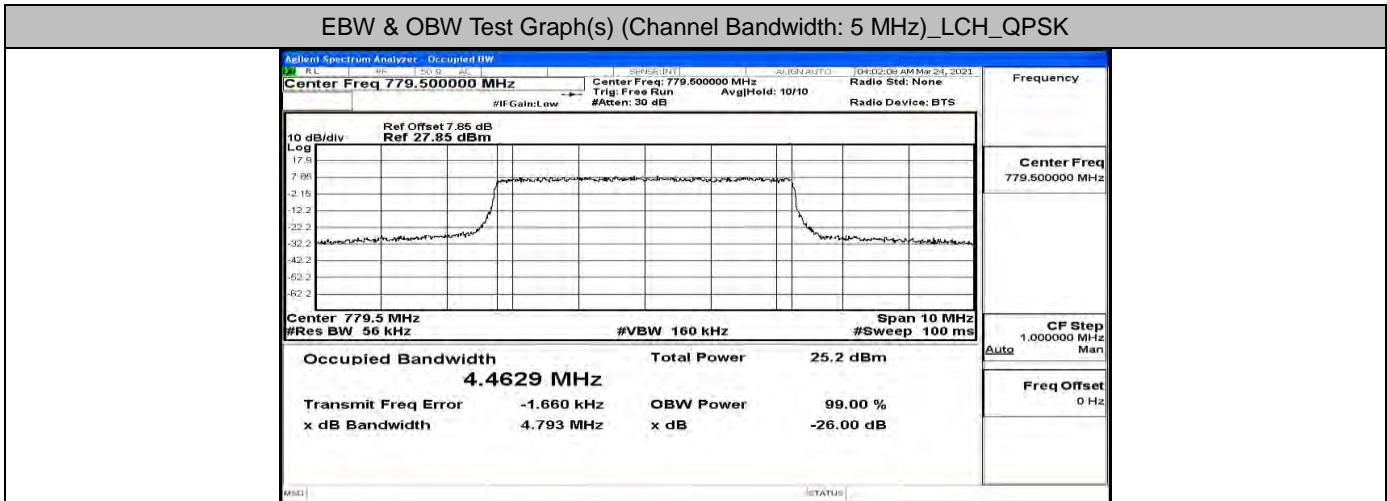
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_16QAM



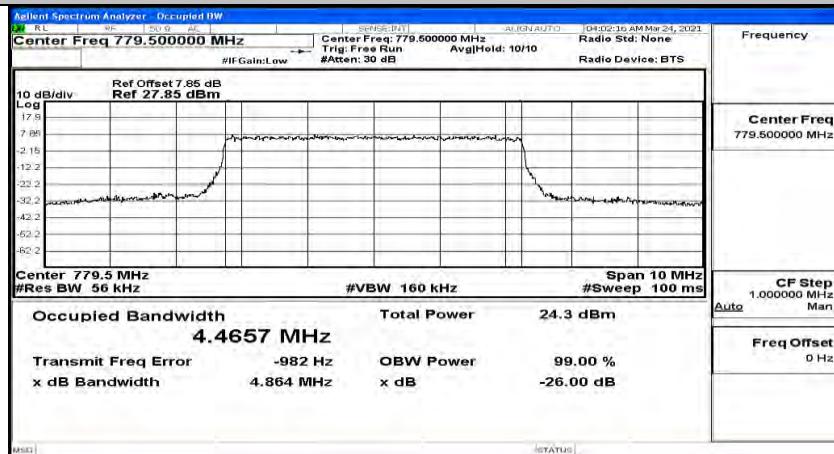
**I.3 26dB Bandwidth and Occupied Bandwidth**

EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4629	4.793	PASS
	MCH	4.4695	4.829	PASS
	HCH	4.4789	4.856	PASS
16QAM	LCH	4.4657	4.864	PASS
	MCH	4.4704	4.826	PASS
	HCH	4.4782	4.793	PASS

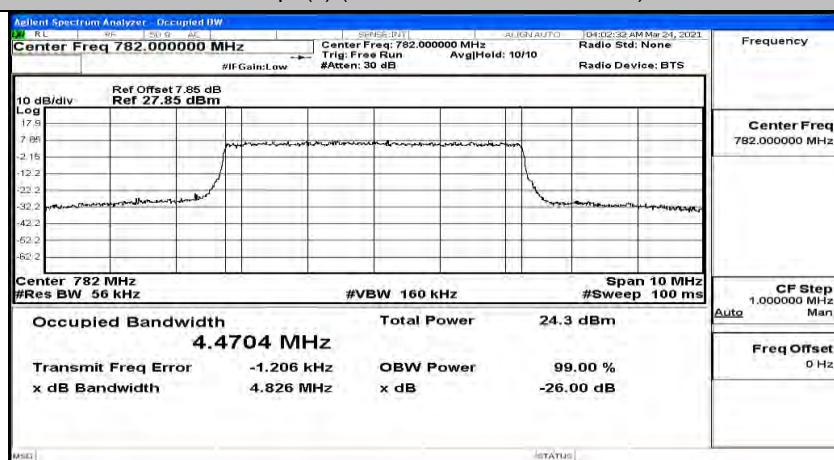
EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9287	9.480	PASS
	MCH	8.9176	9.418	PASS
	HCH	8.9288	9.426	PASS
16QAM	LCH	8.9151	9.416	PASS
	MCH	8.9052	9.396	PASS
	HCH	8.9046	9.458	PASS



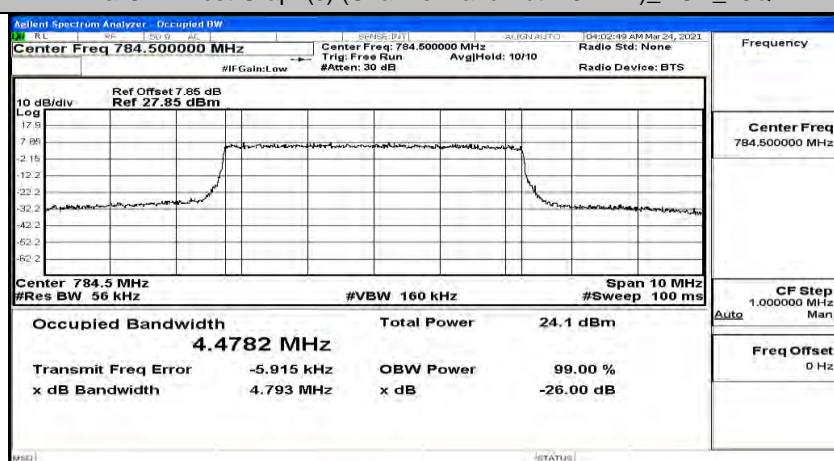
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_16QAM



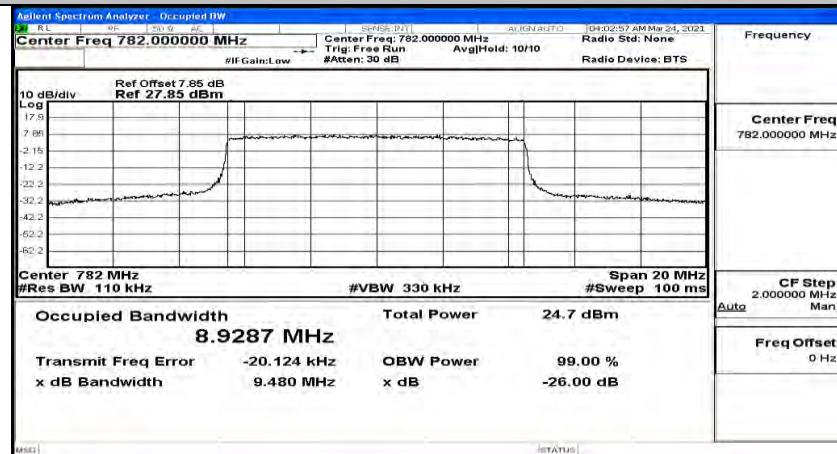
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_16QAM



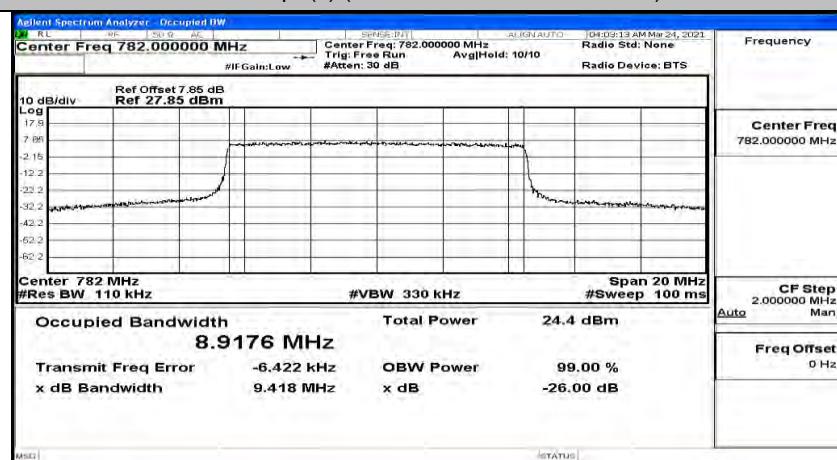
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM



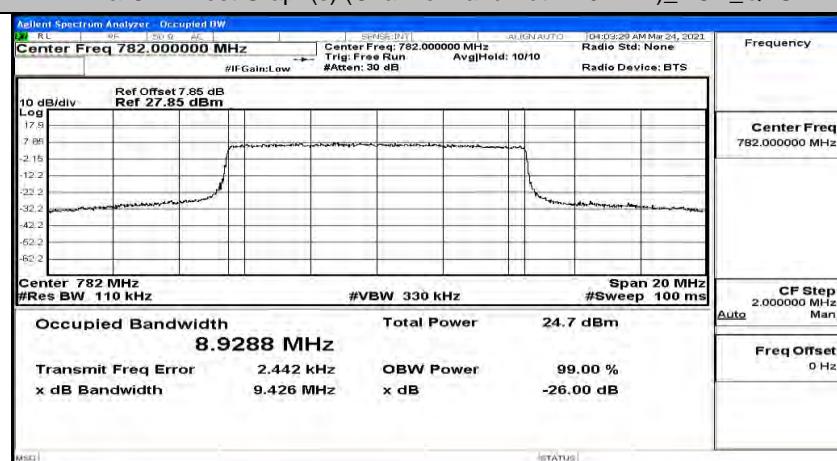
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK



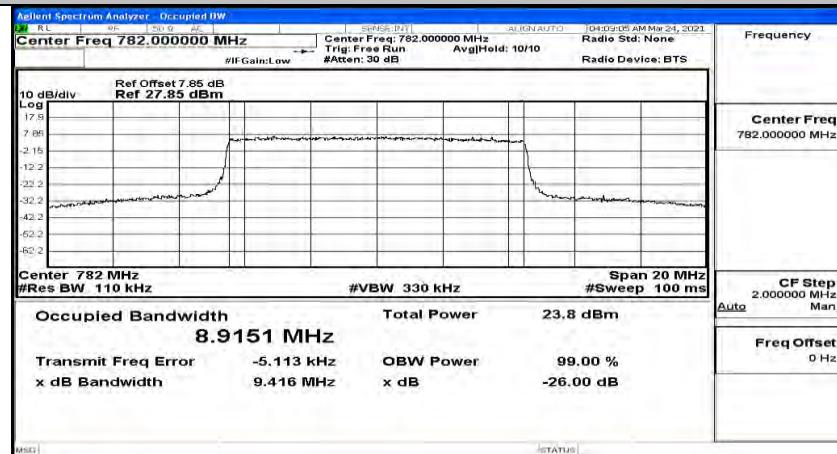
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_QPSK



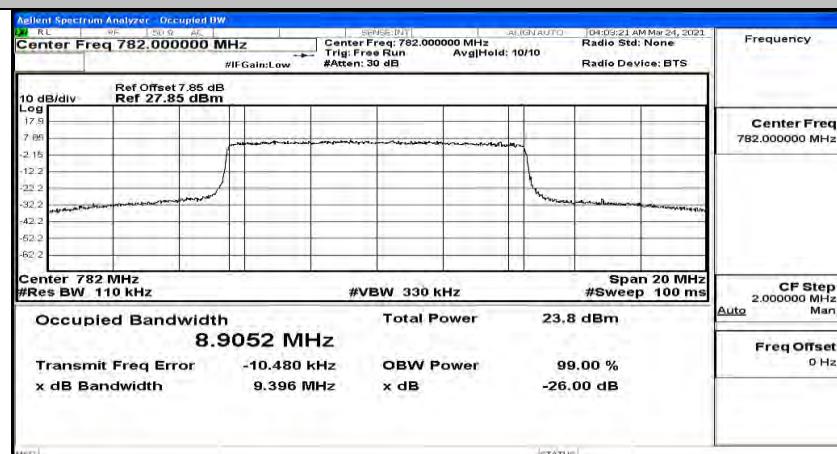
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_QPSK



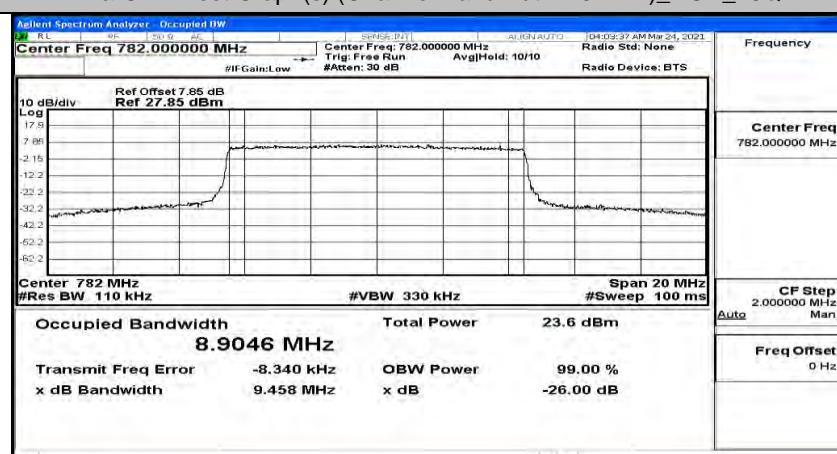
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_16QAM



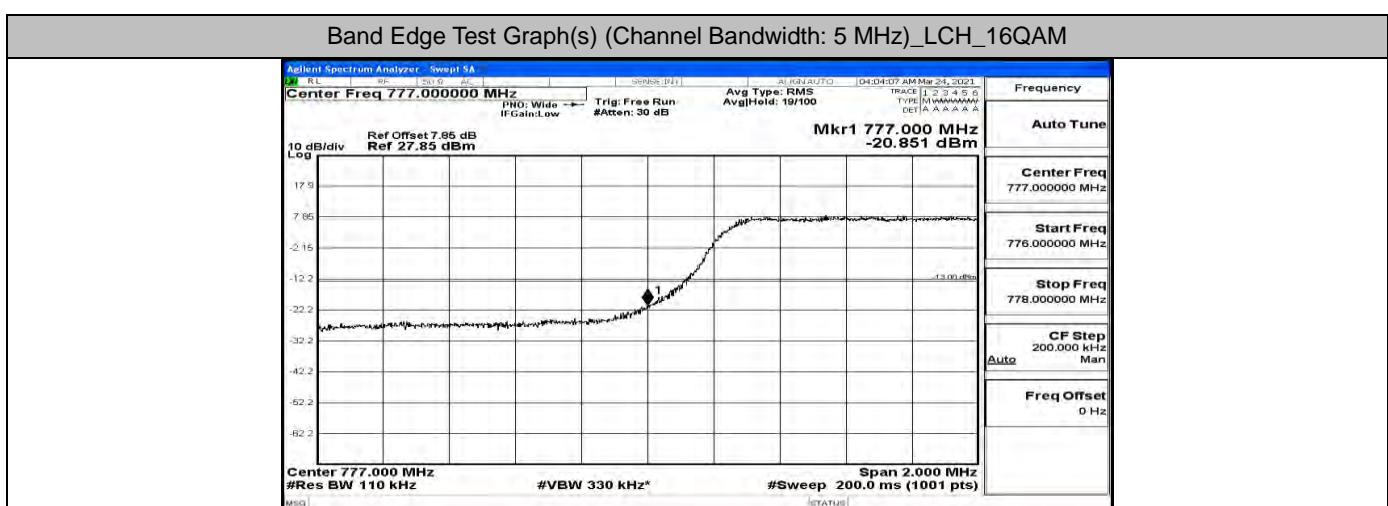
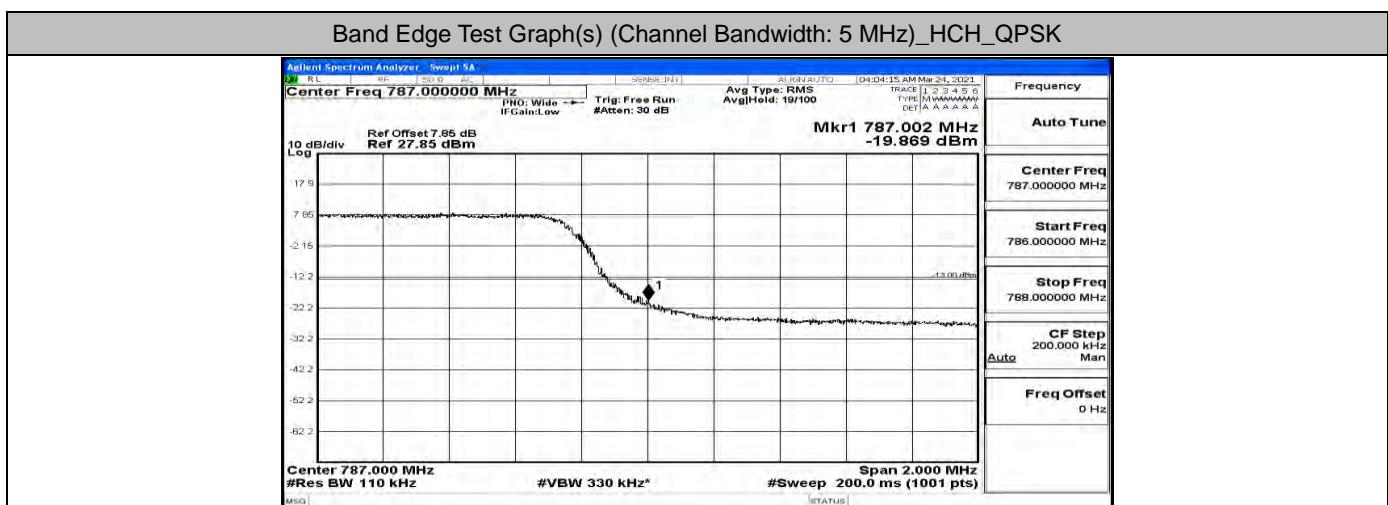
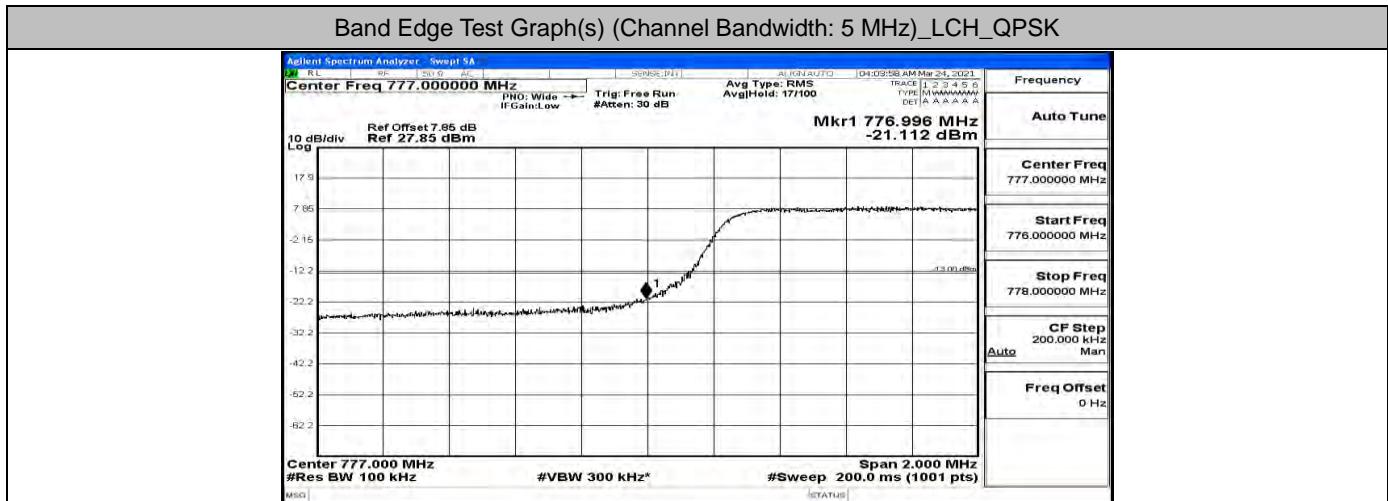
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_16QAM



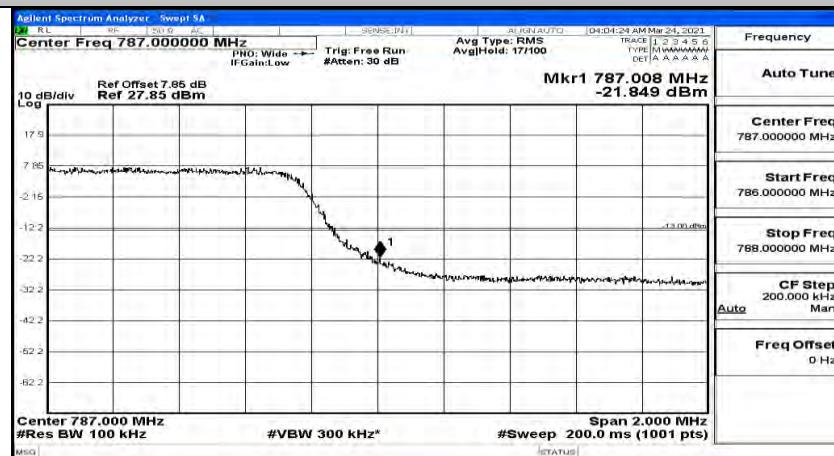
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_16QAM



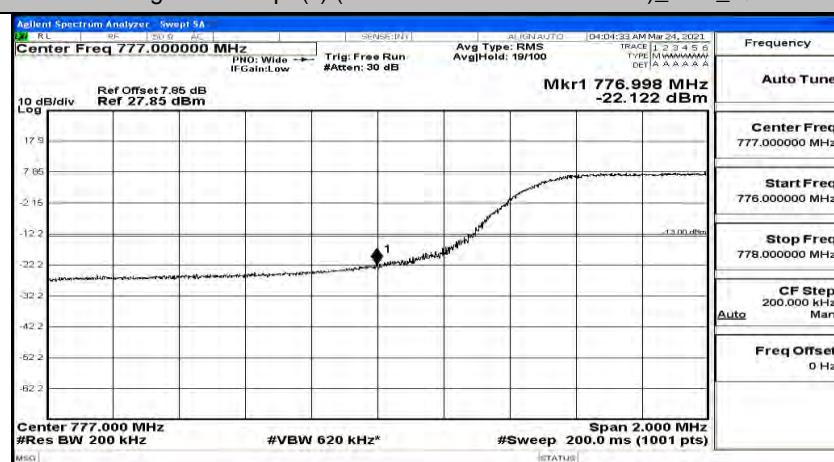
## I.4 Band Edge



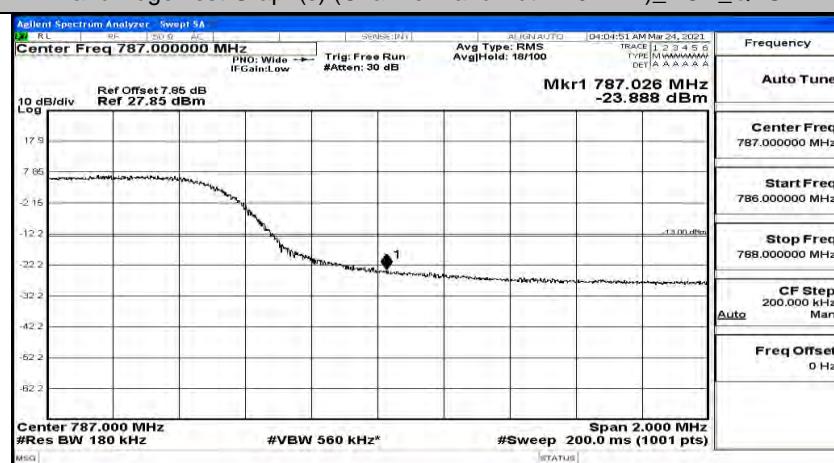
## Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM



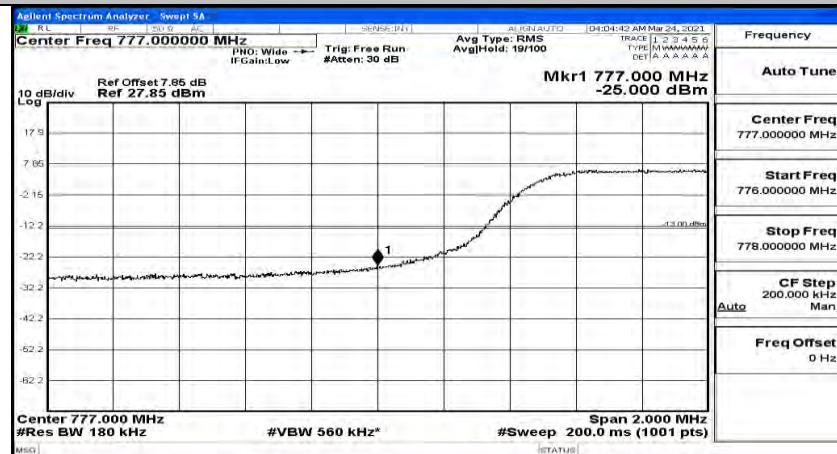
## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK



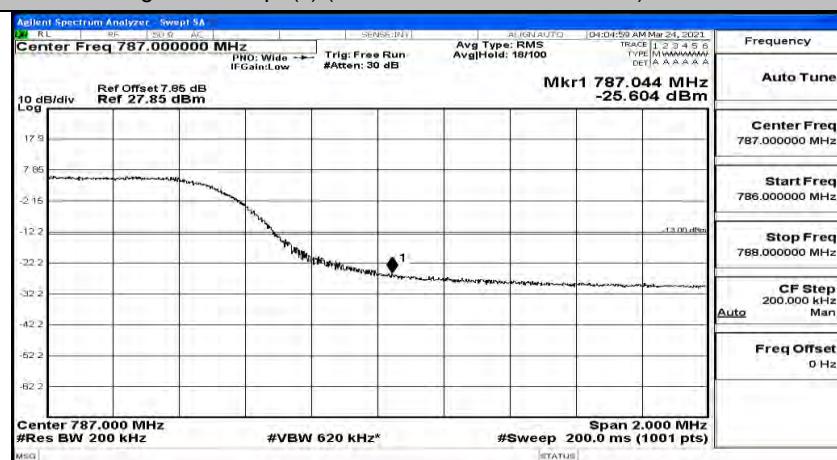
## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_QPSK



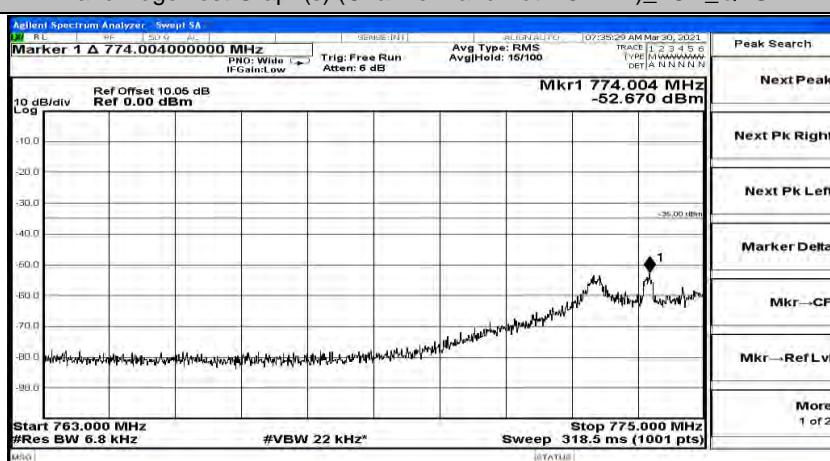
## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_16QAM



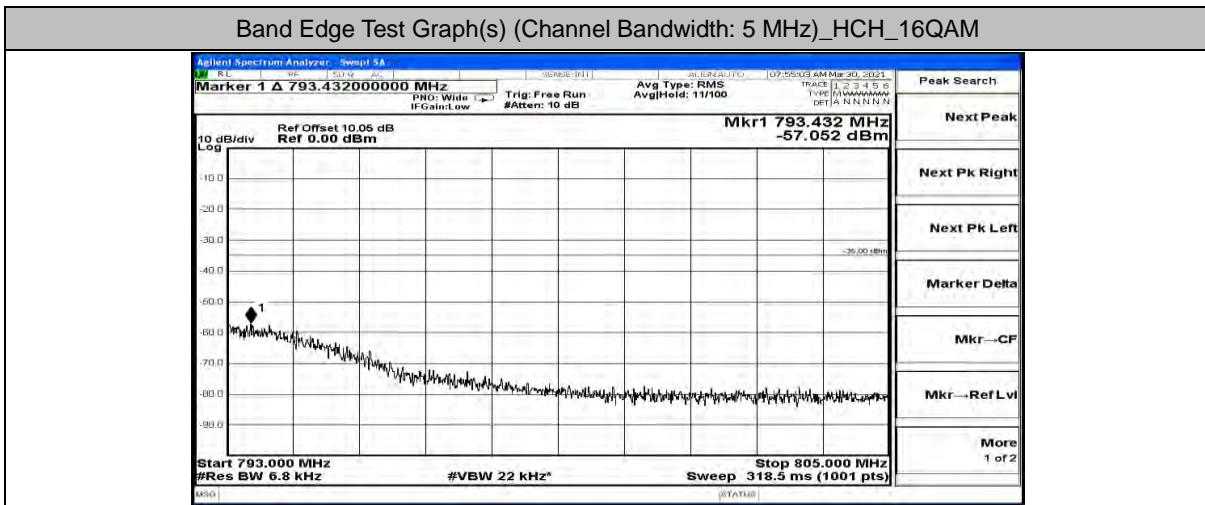
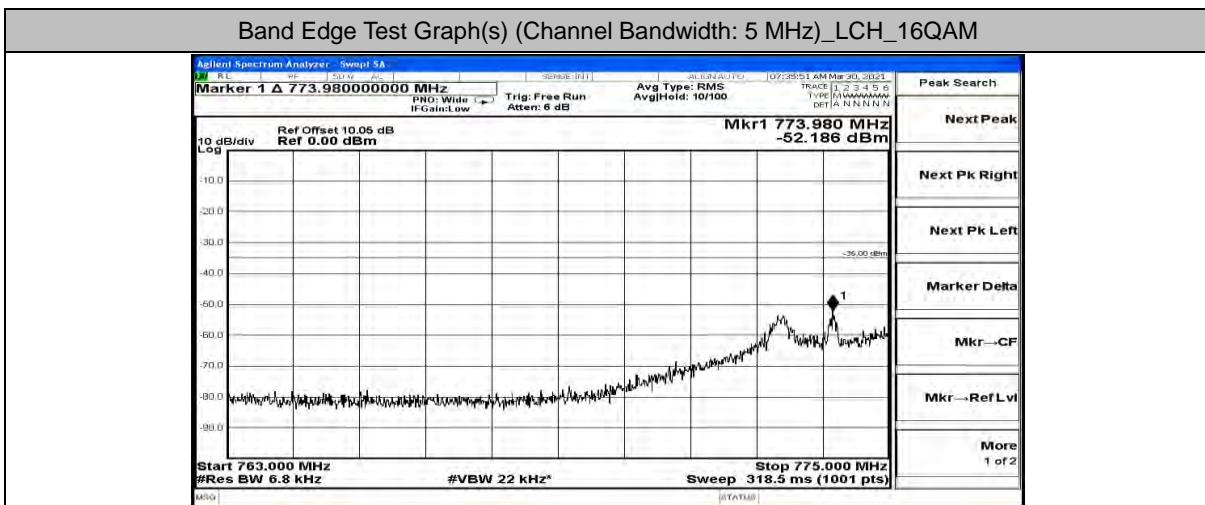
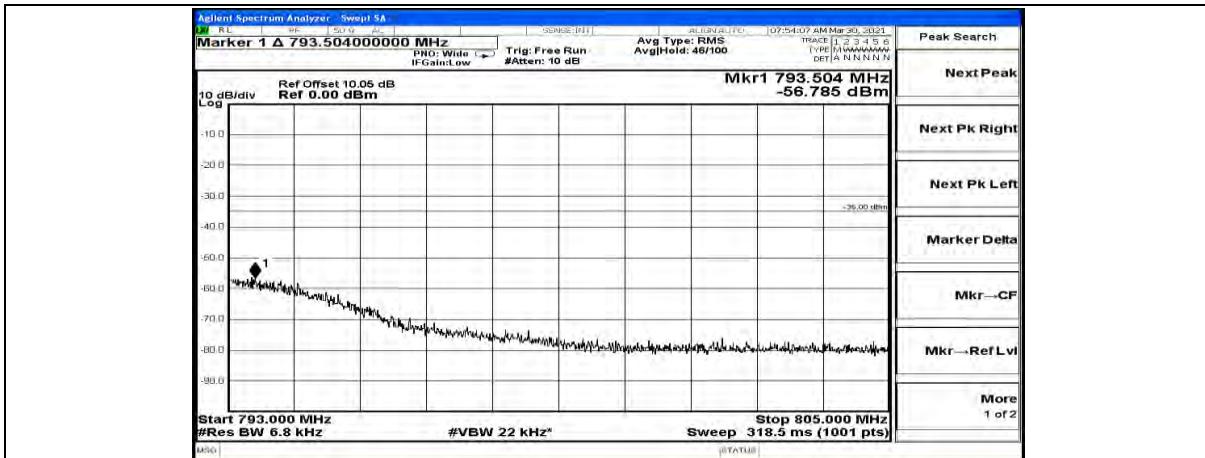
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_16QAM

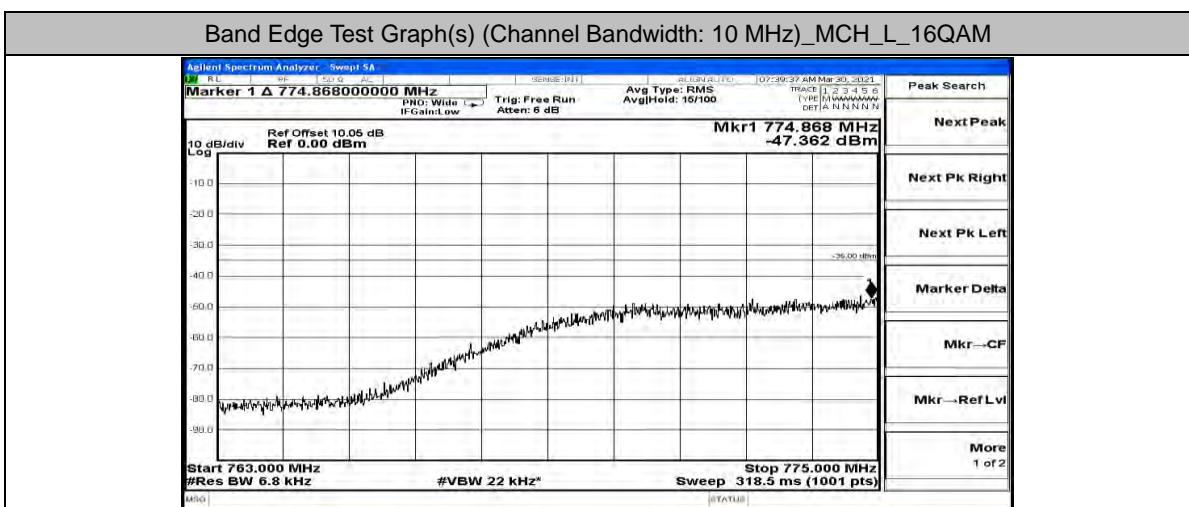
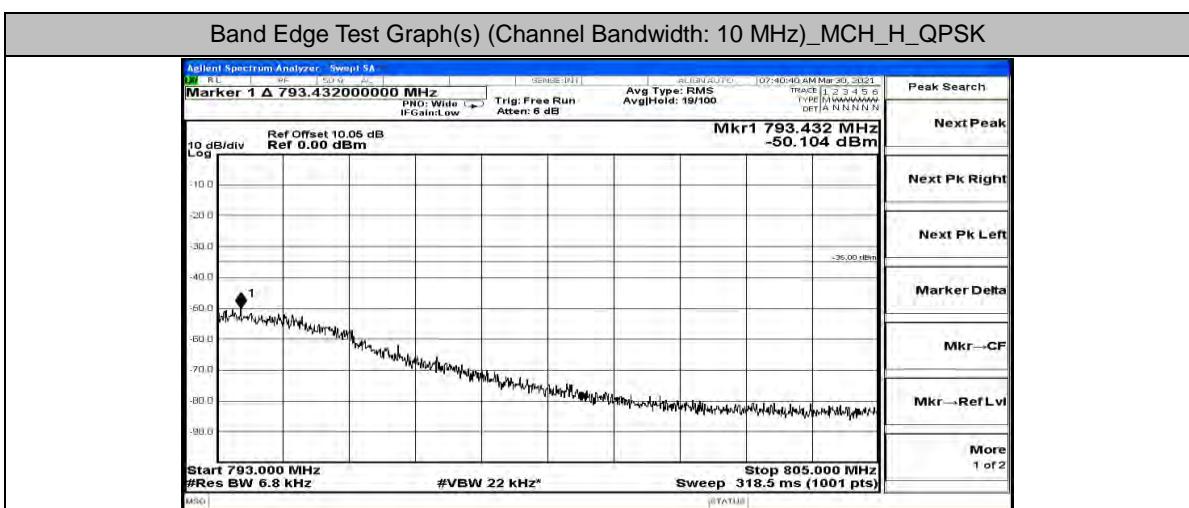
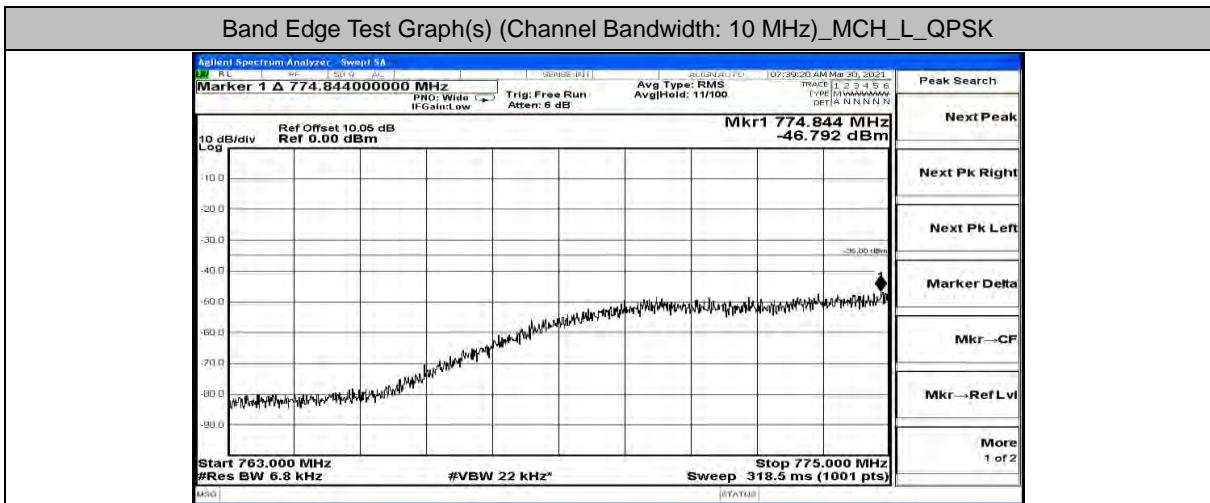


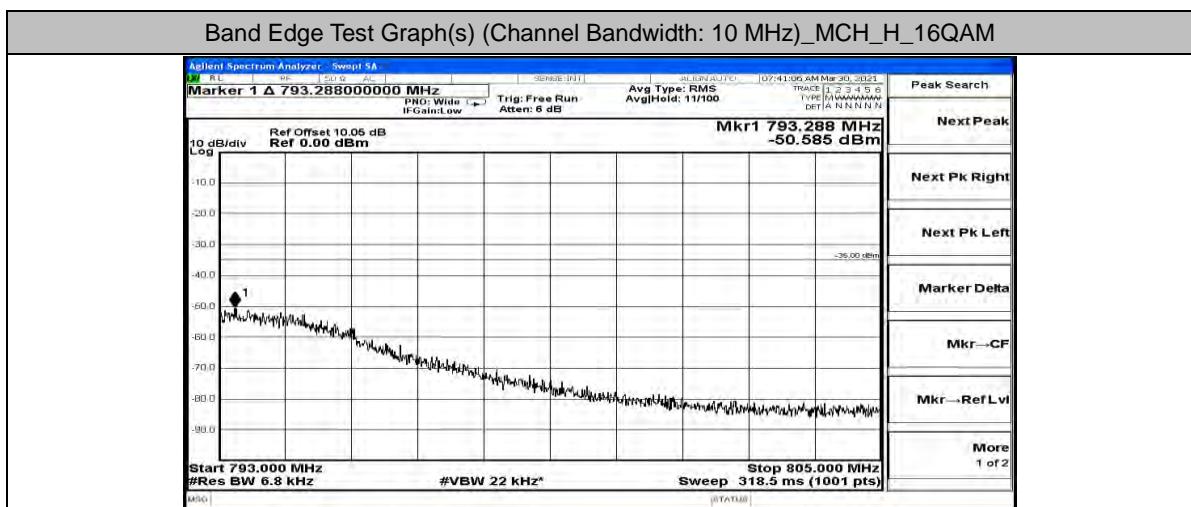
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz) LCH QPSK



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

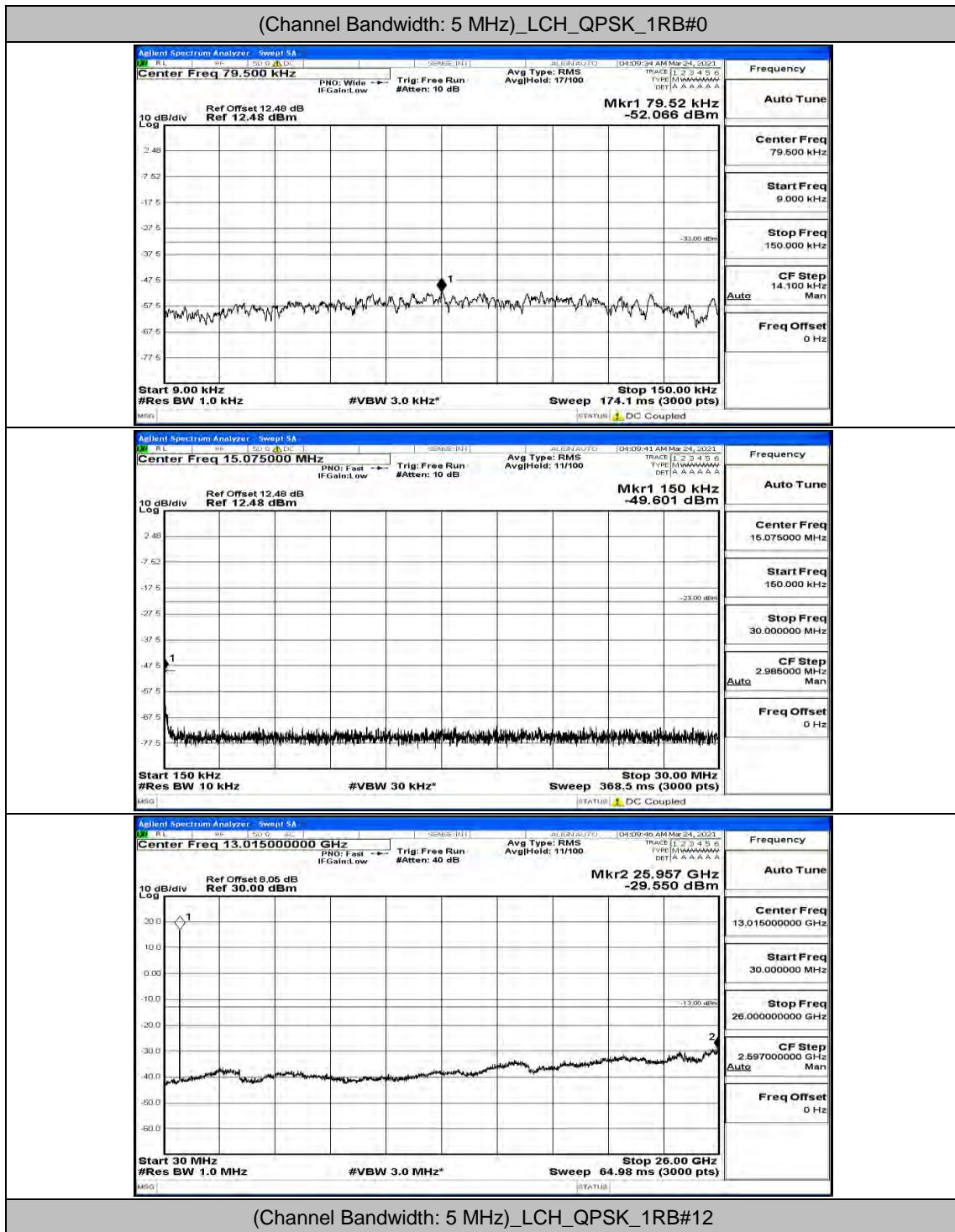


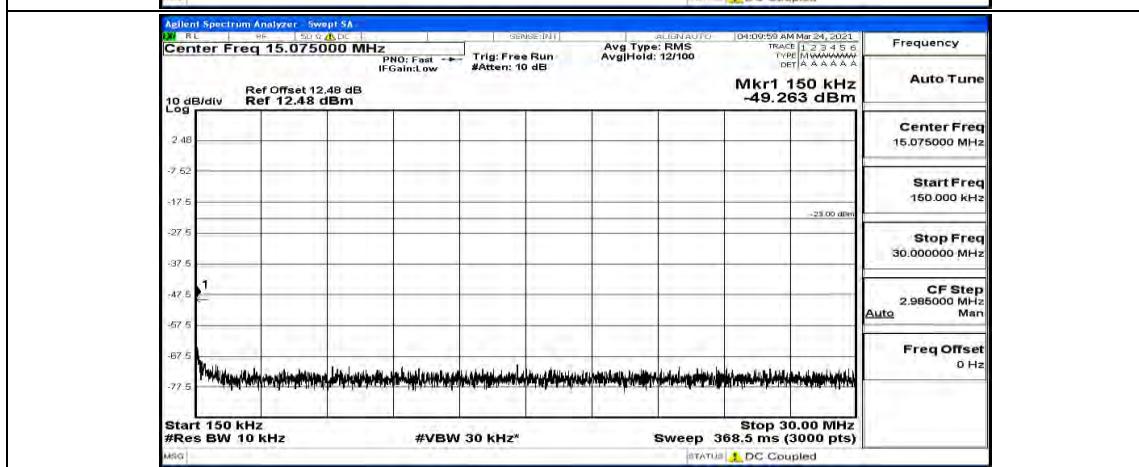
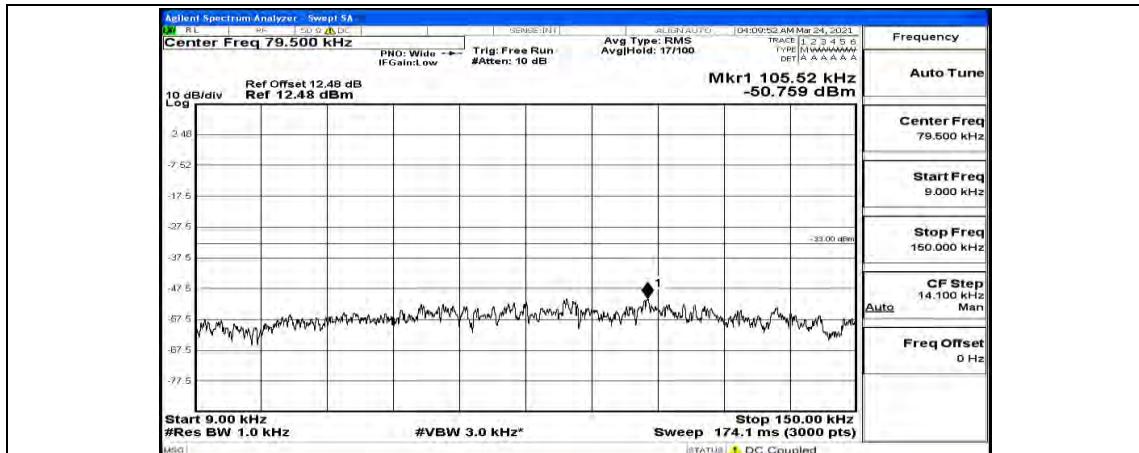




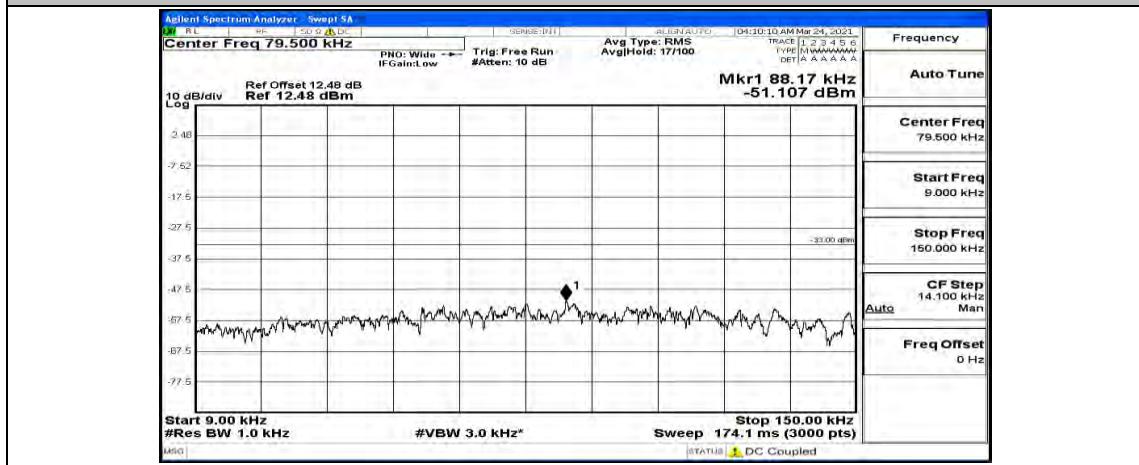
## I.5 Conducted Spurious Emission

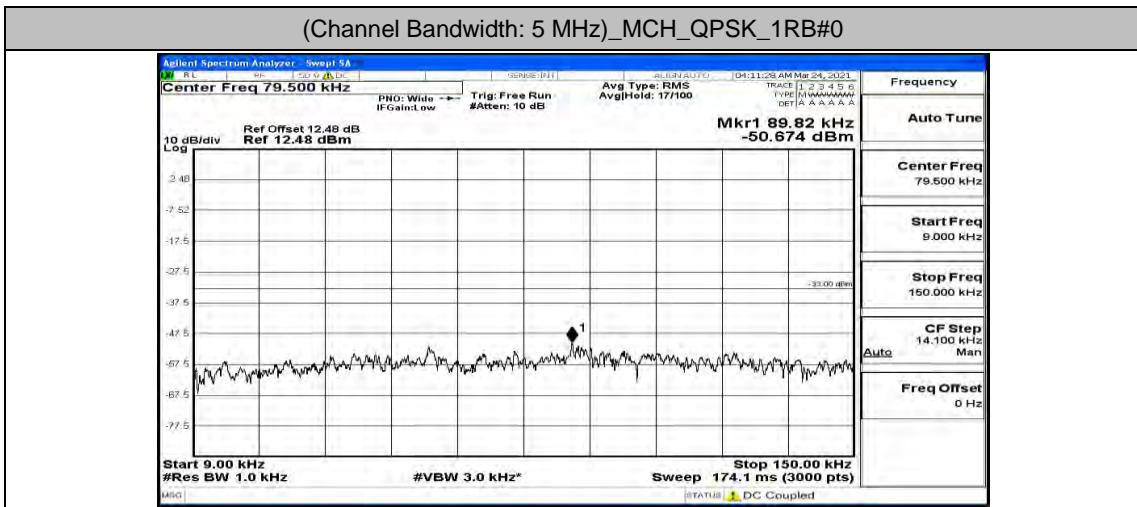
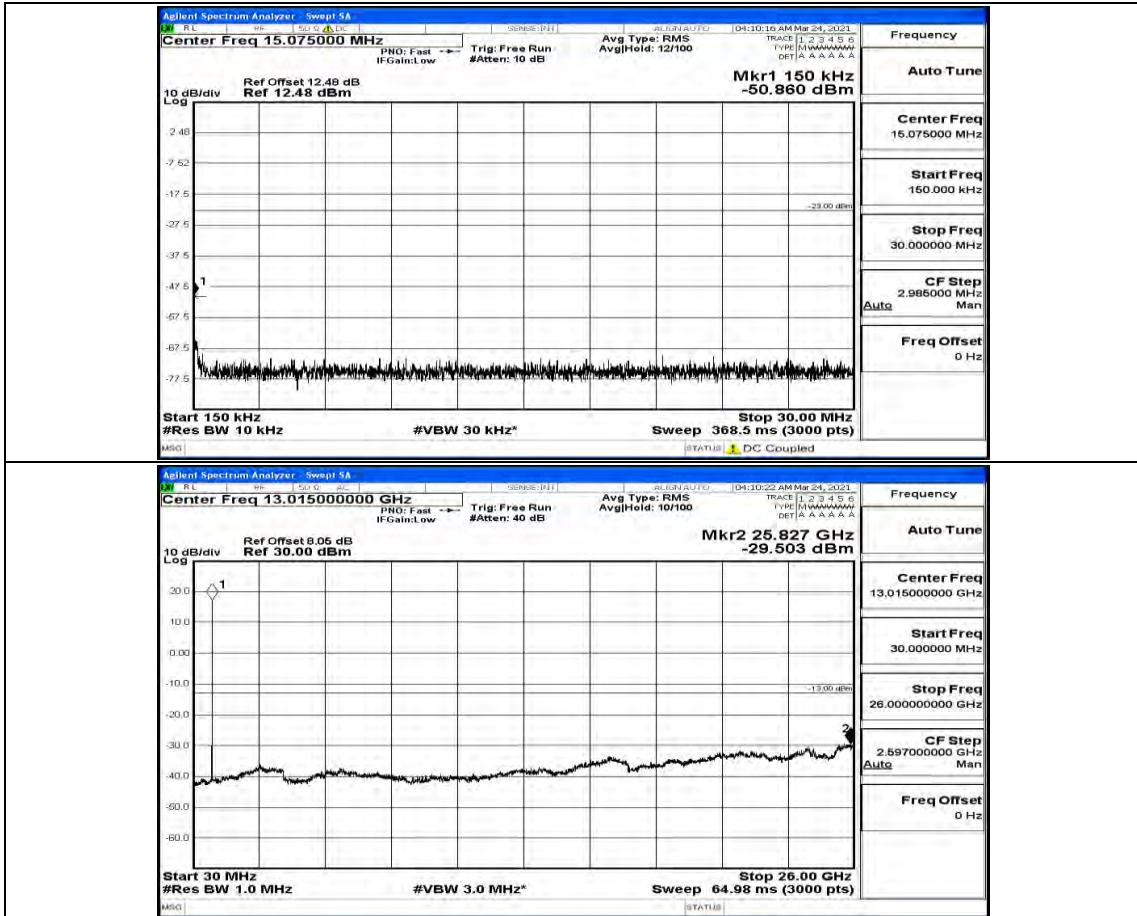
### Channel Bandwidth: 5 MHz

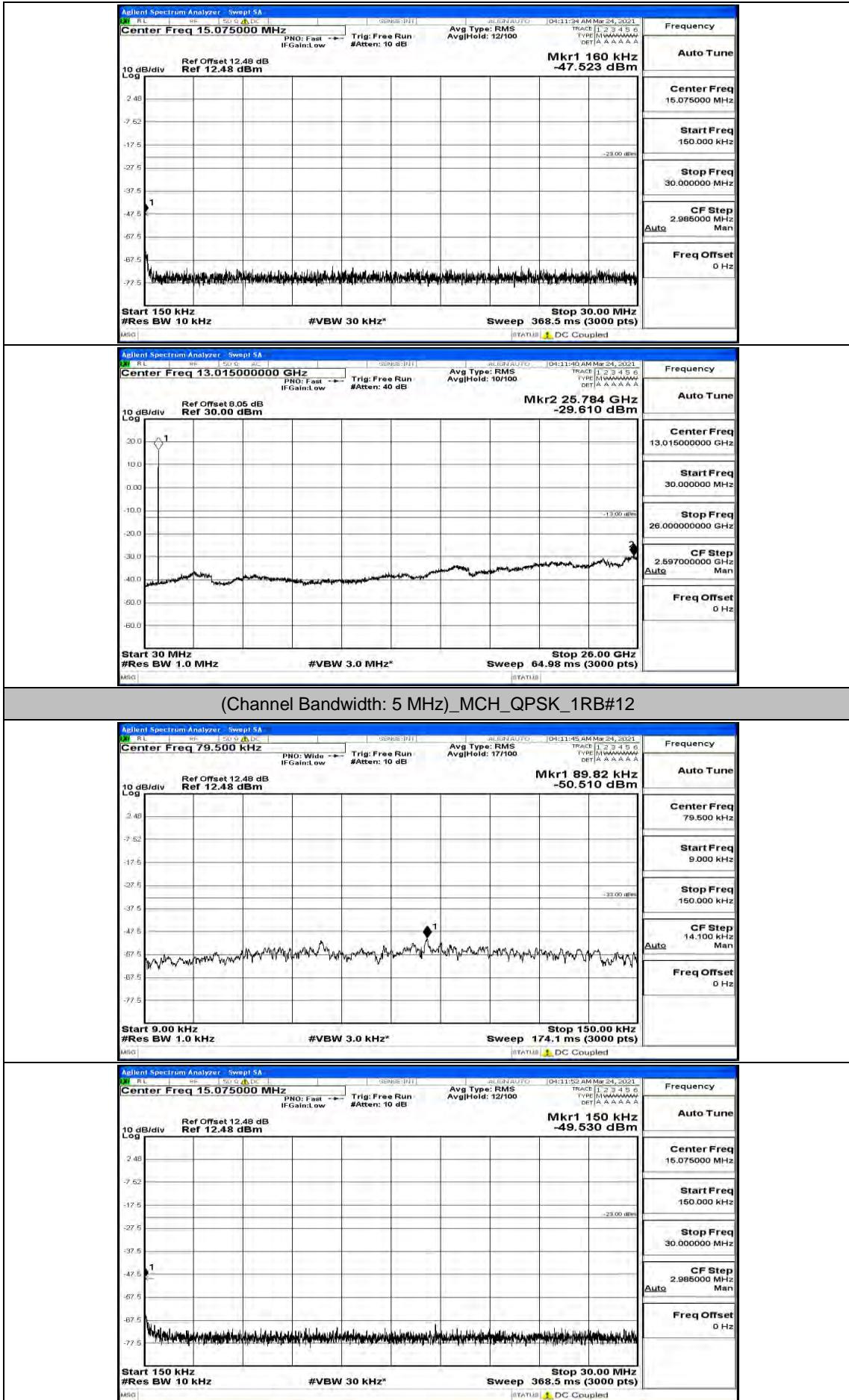


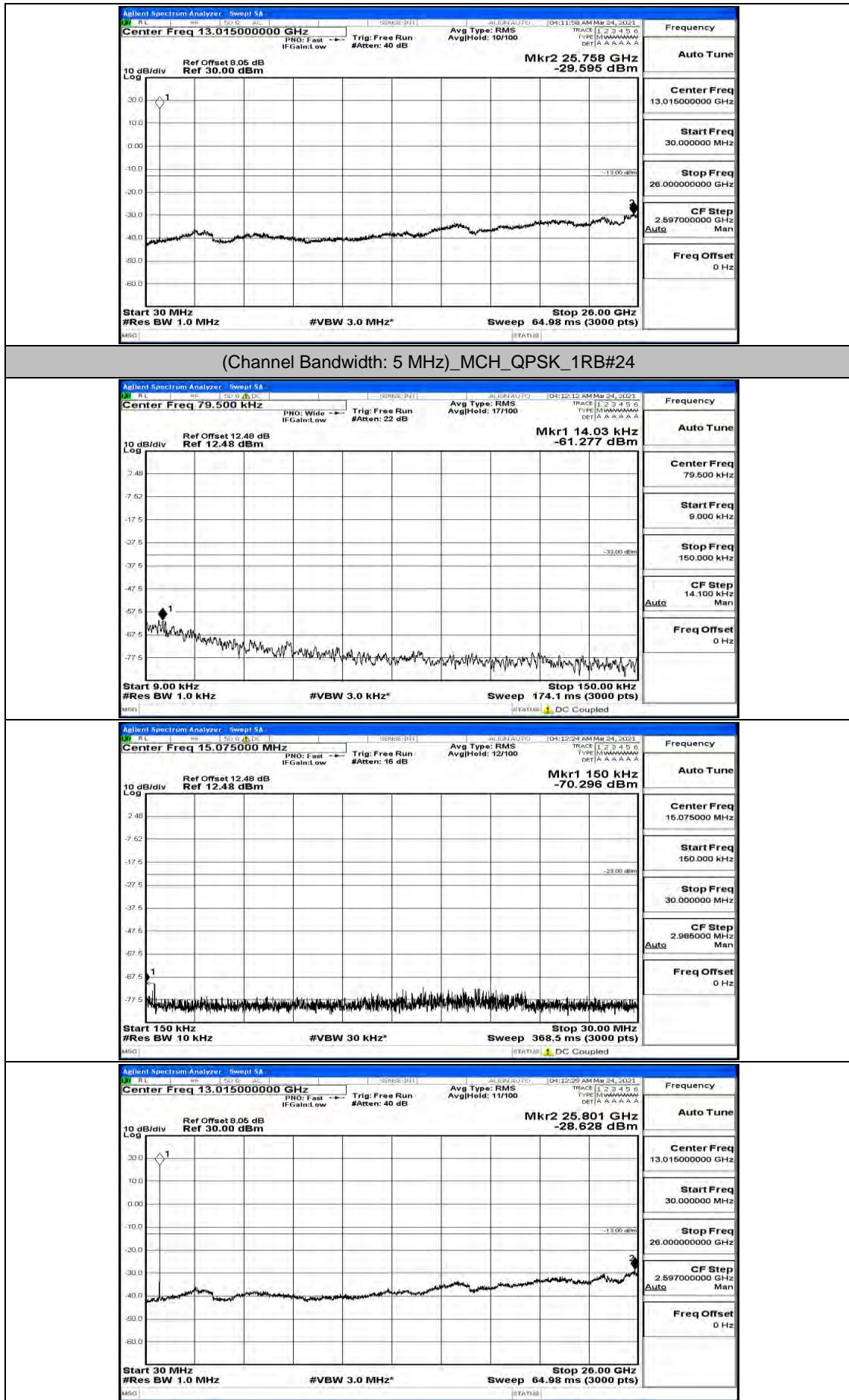


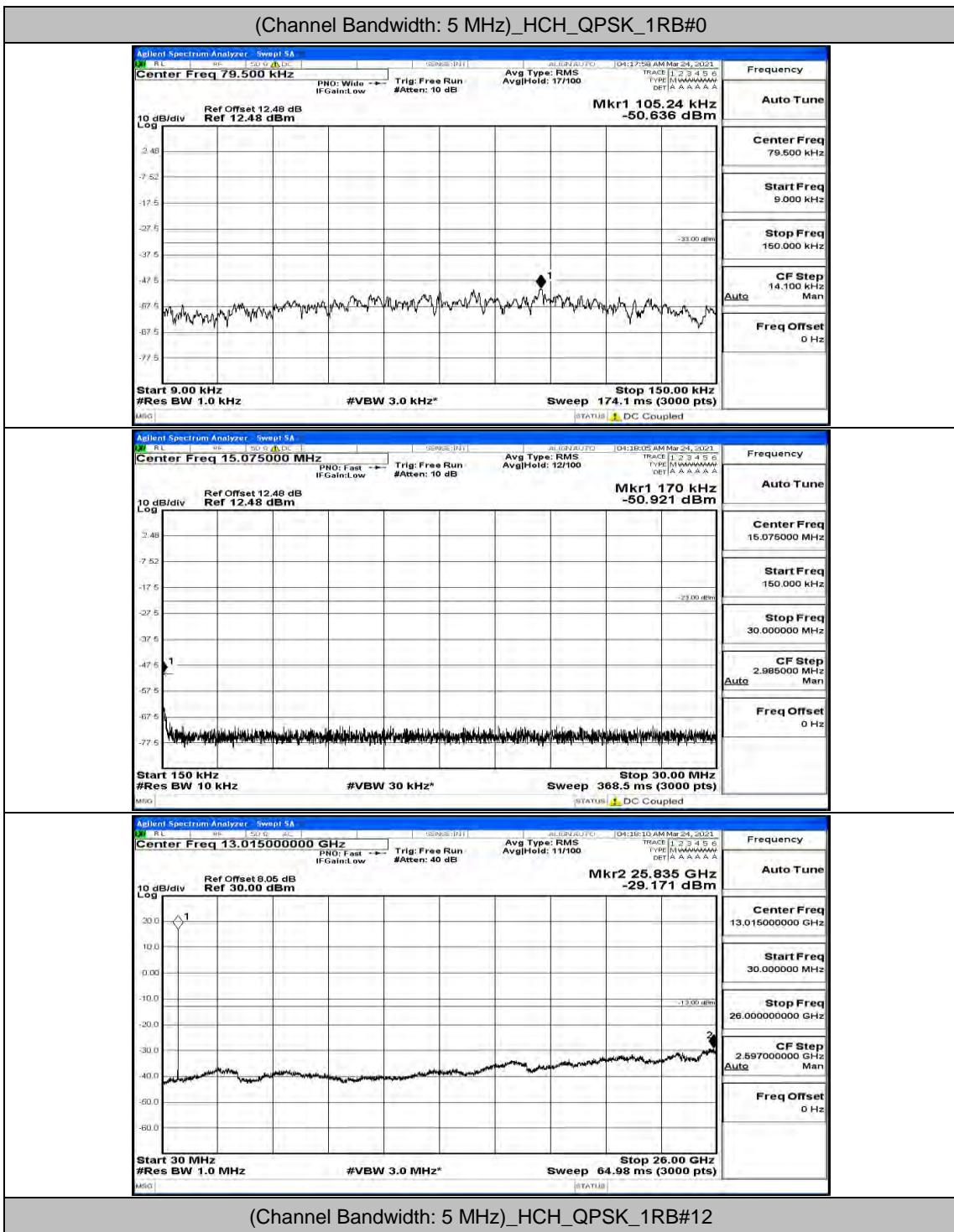
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_1RB#24

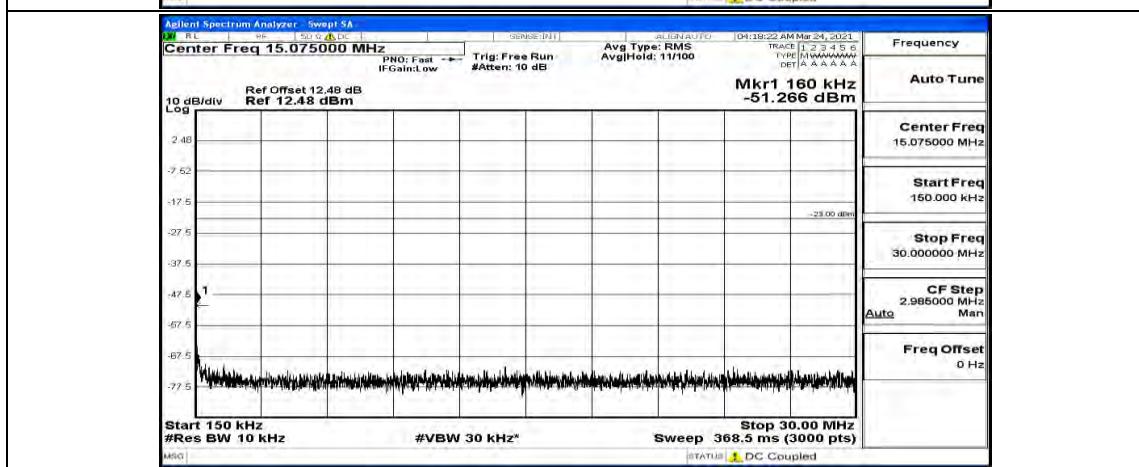
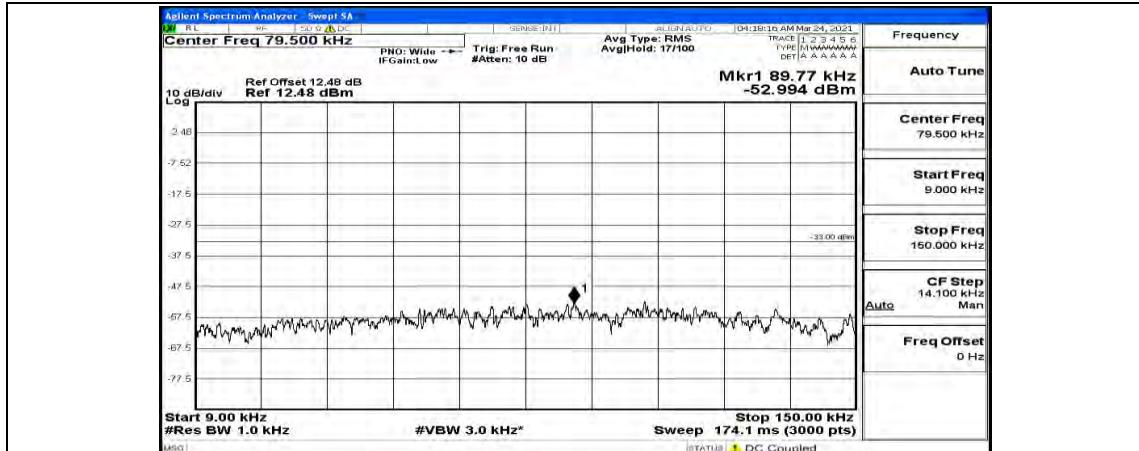




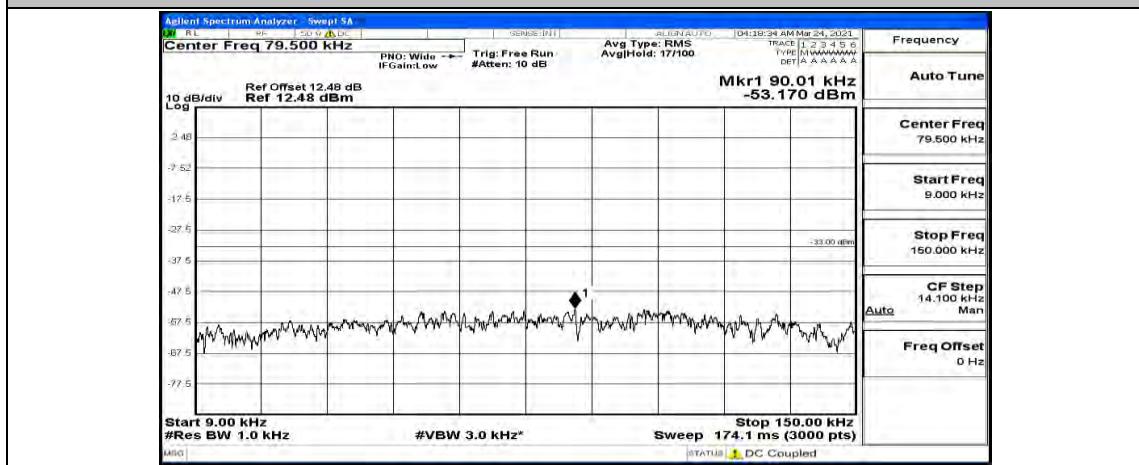


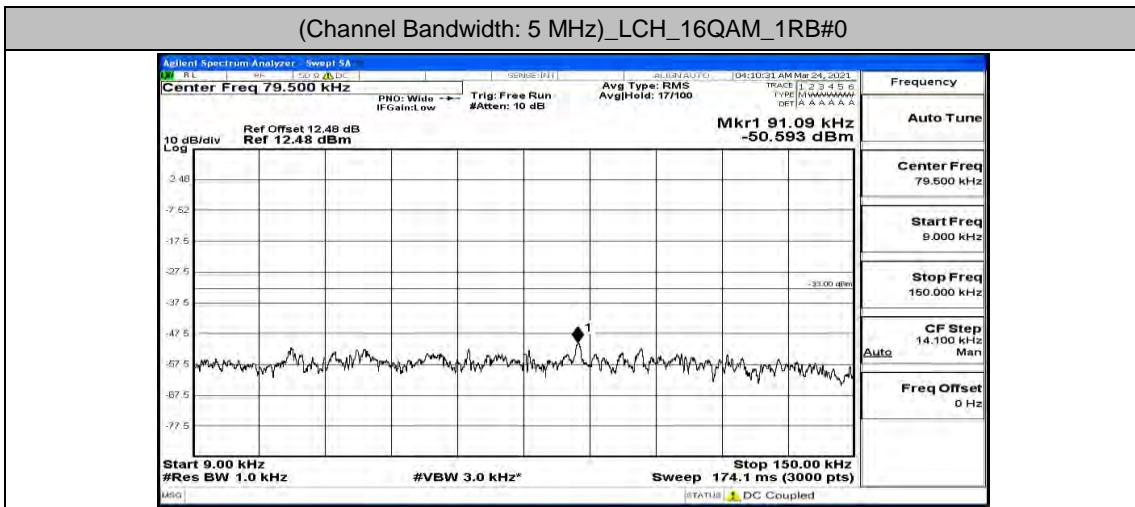
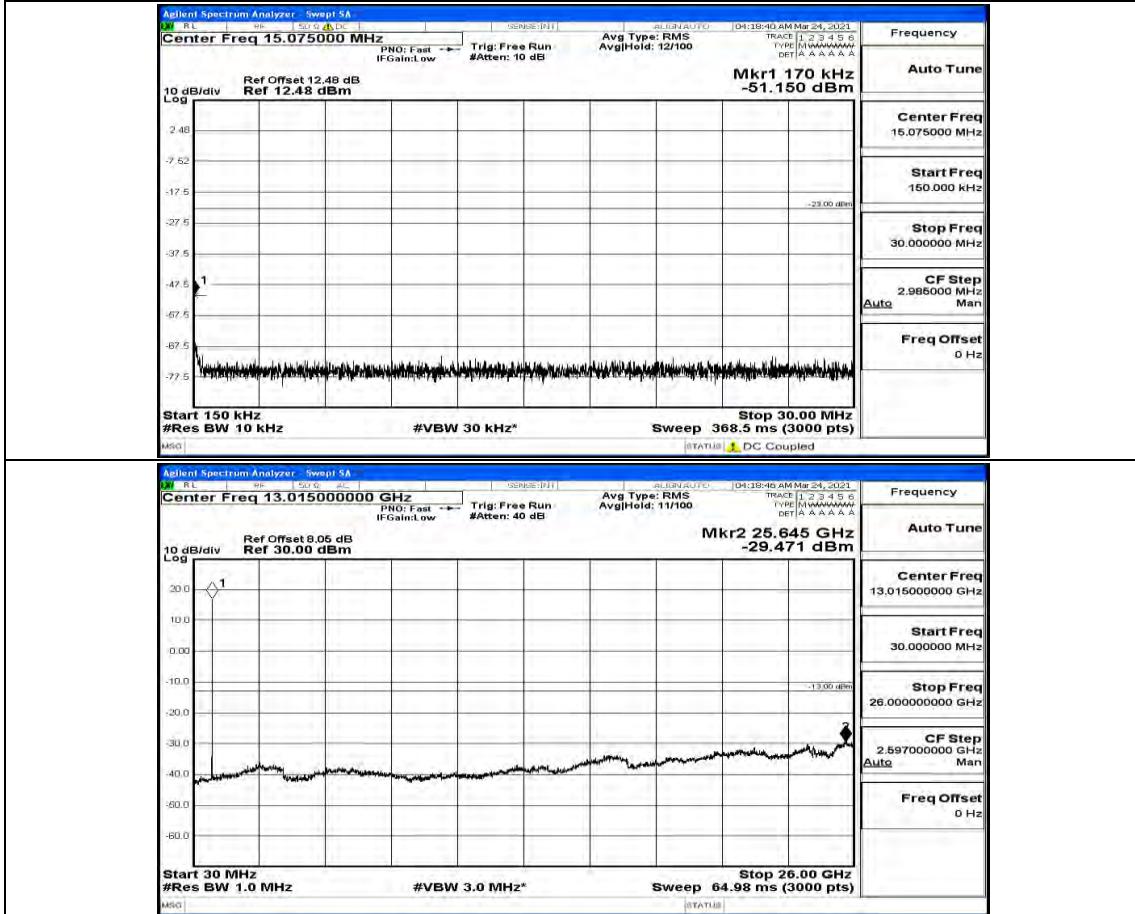


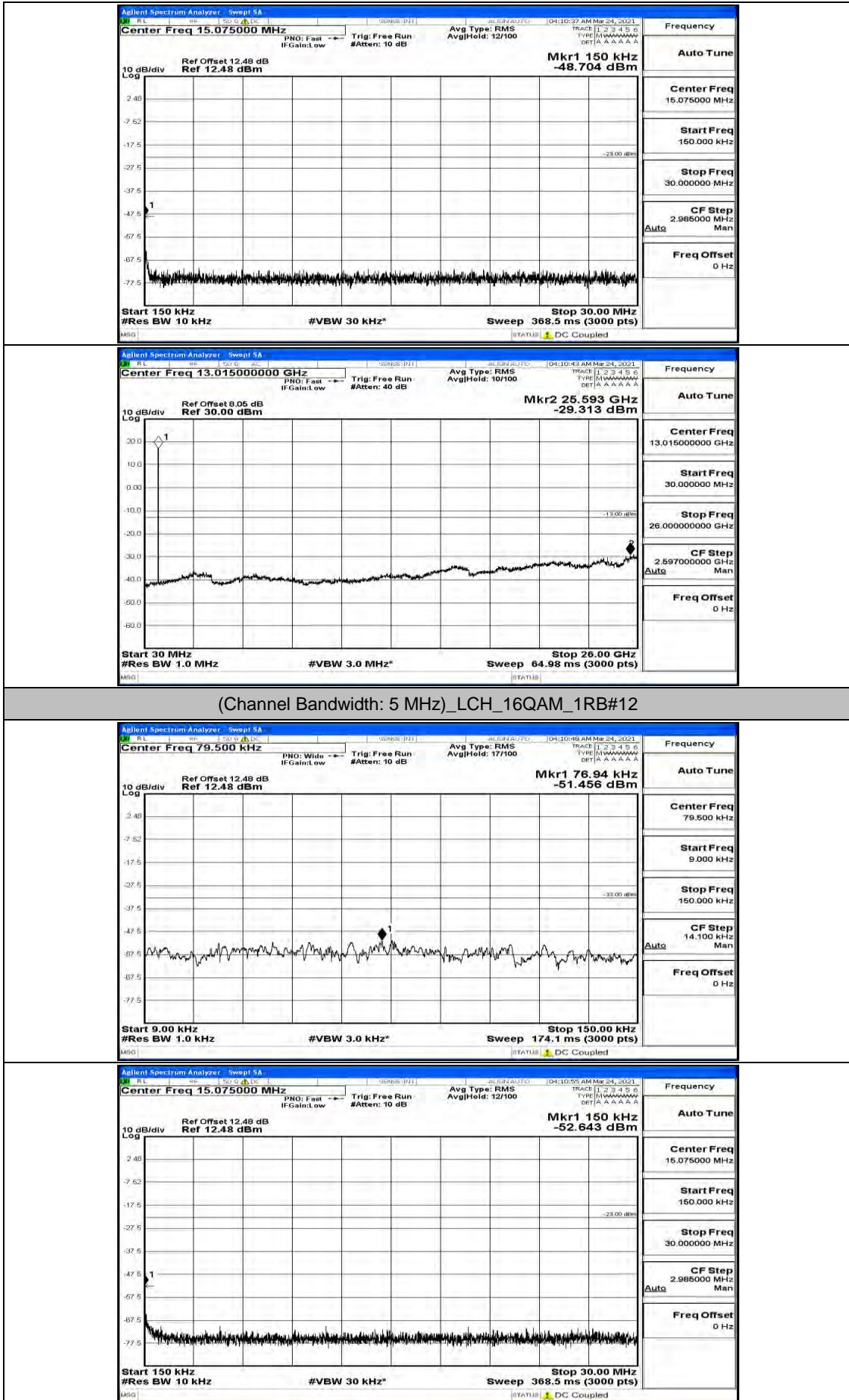


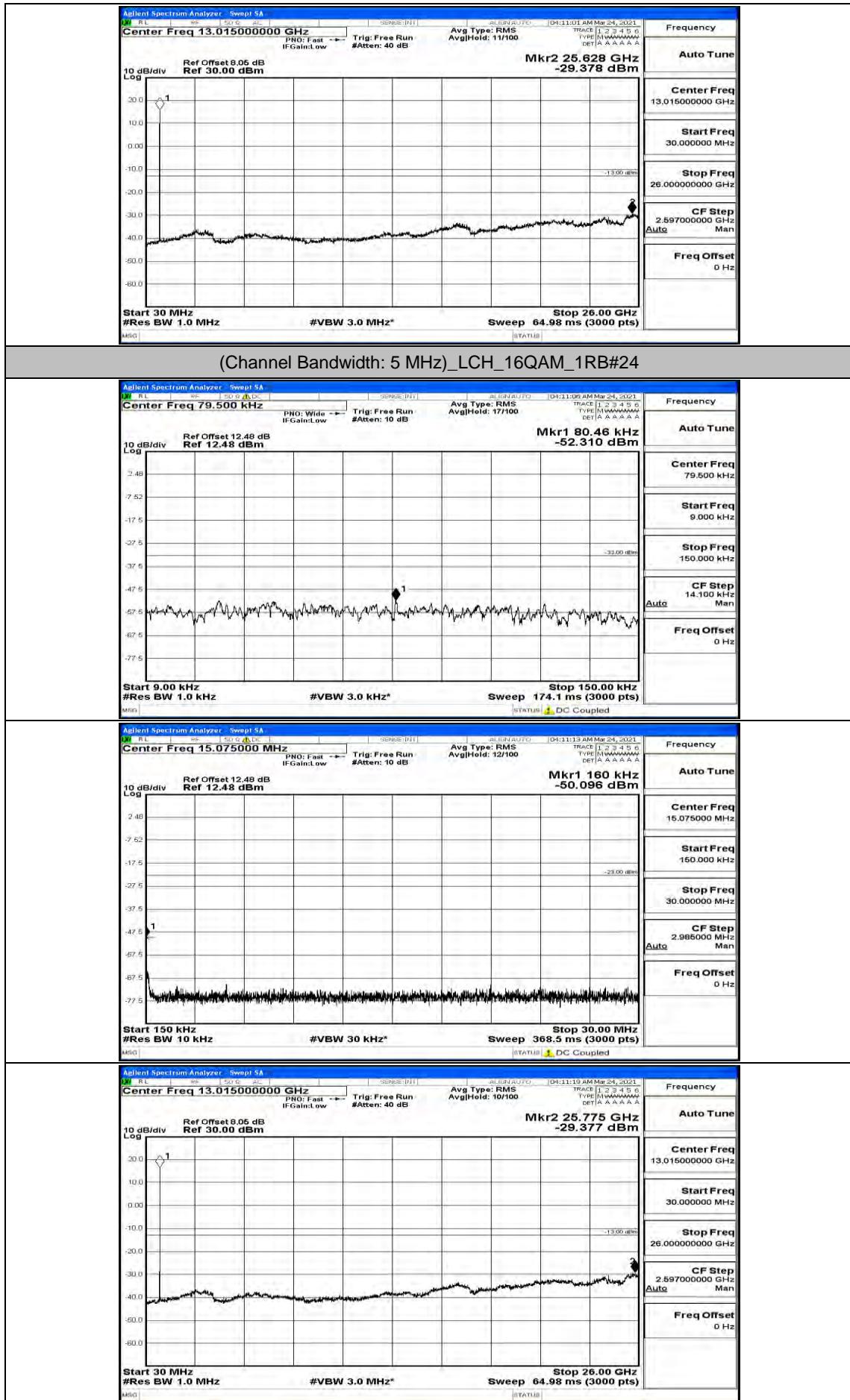


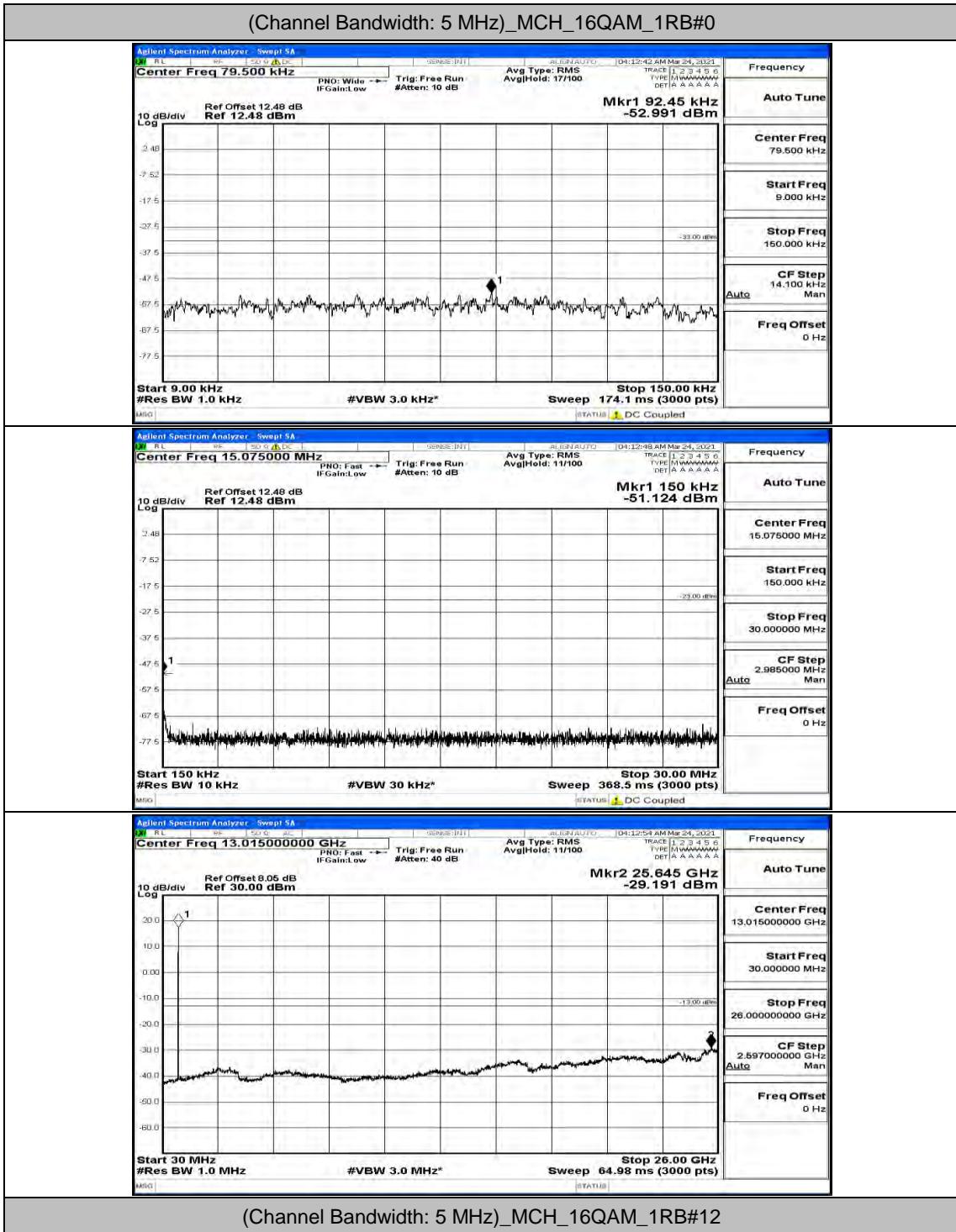
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#24

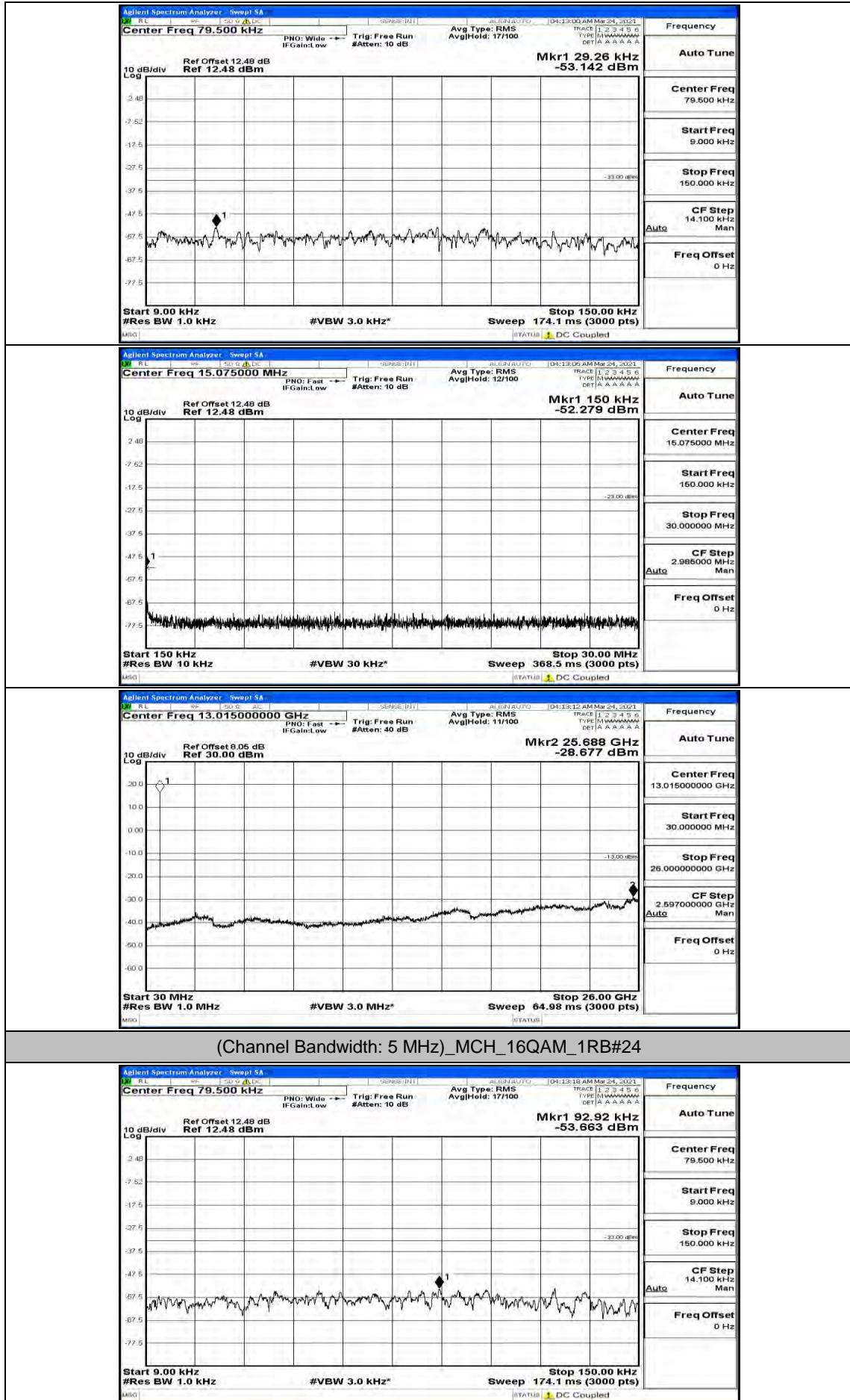


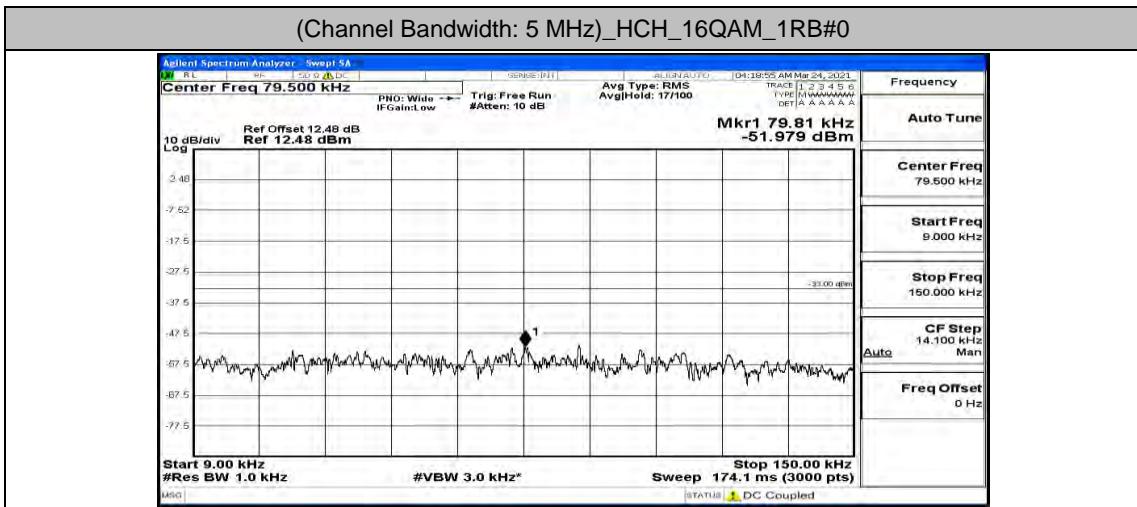
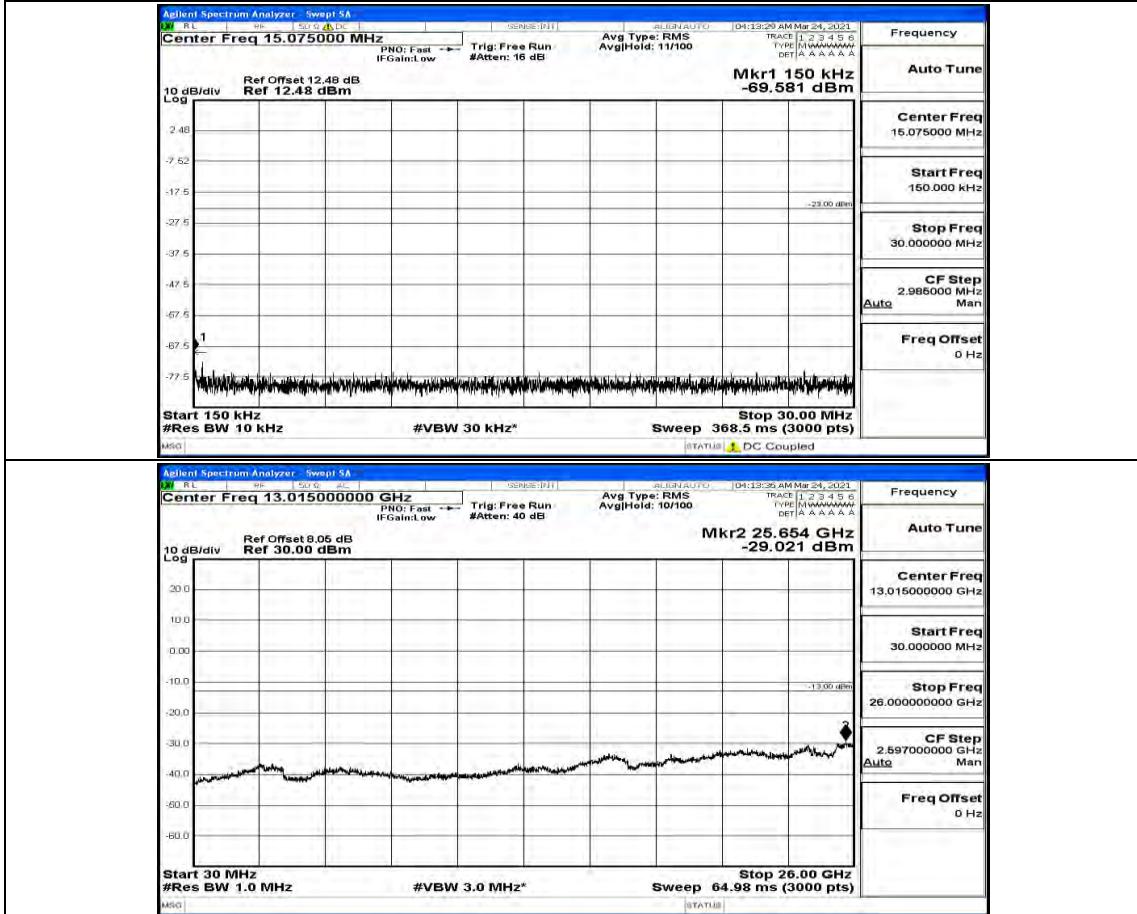


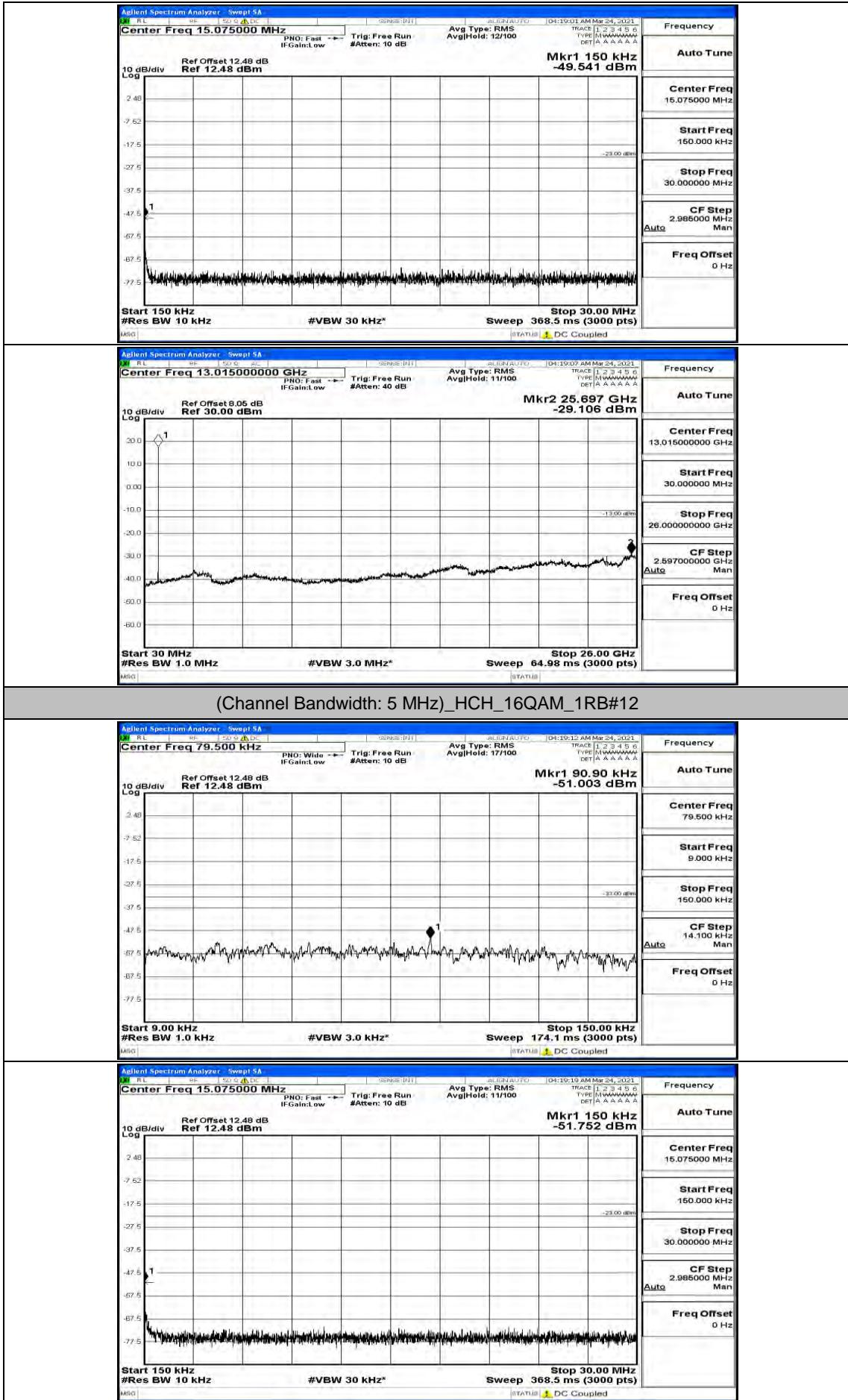


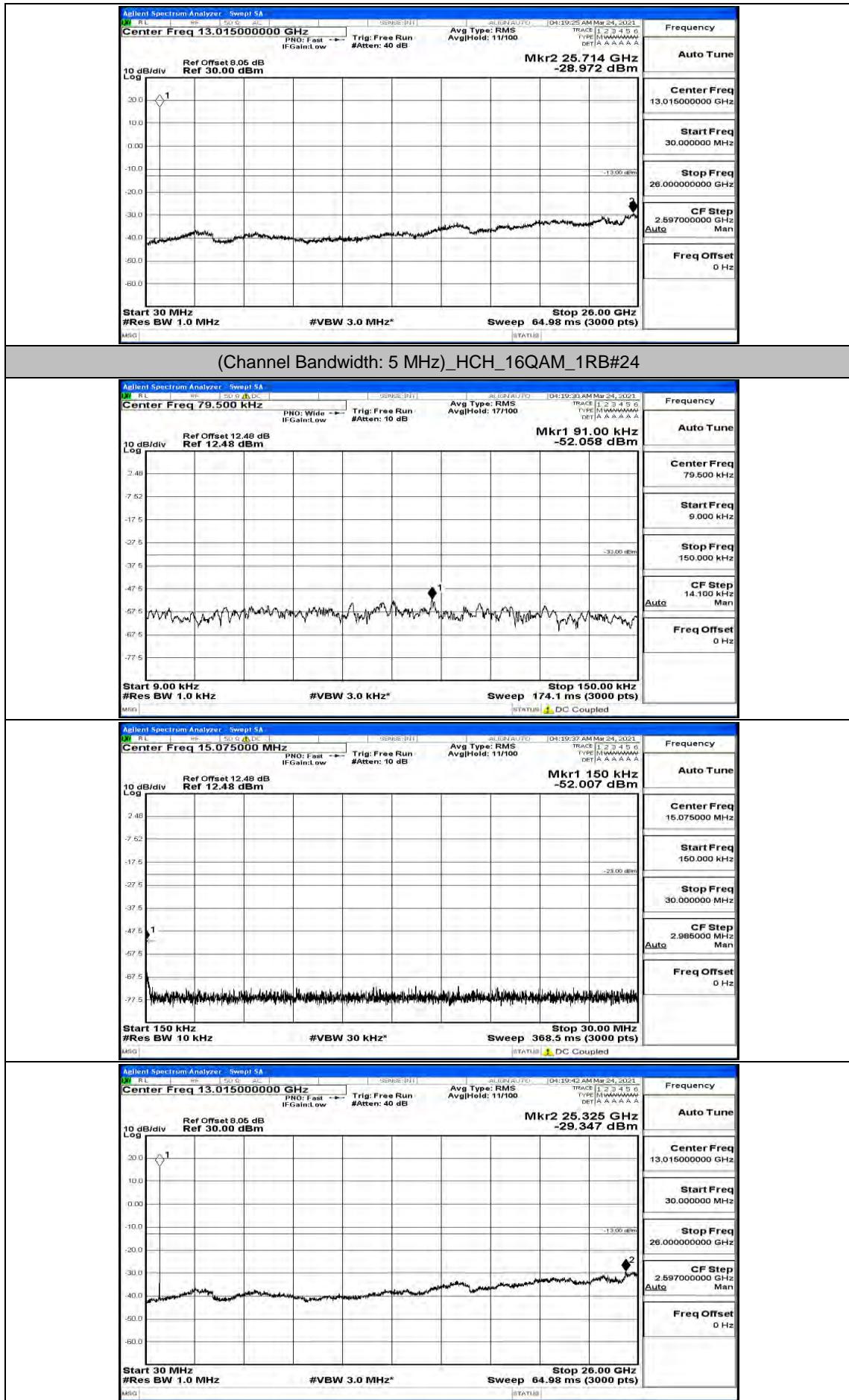




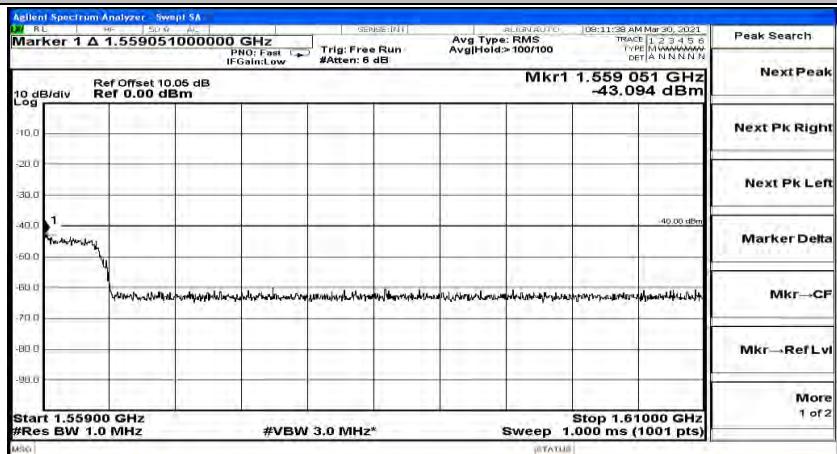




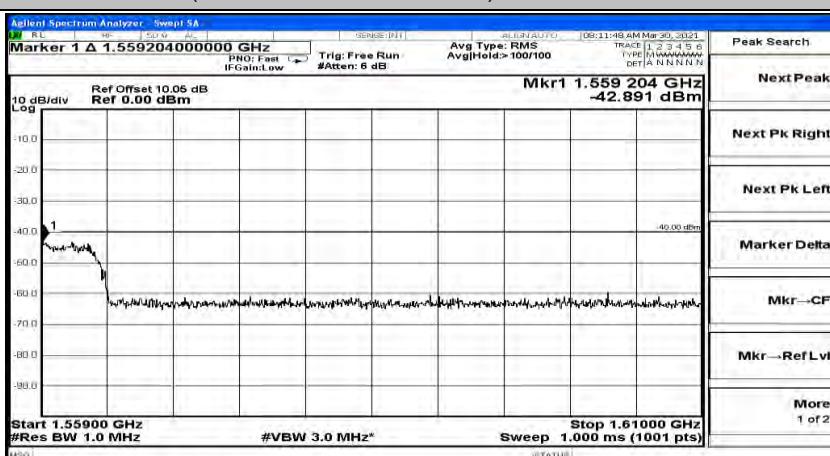




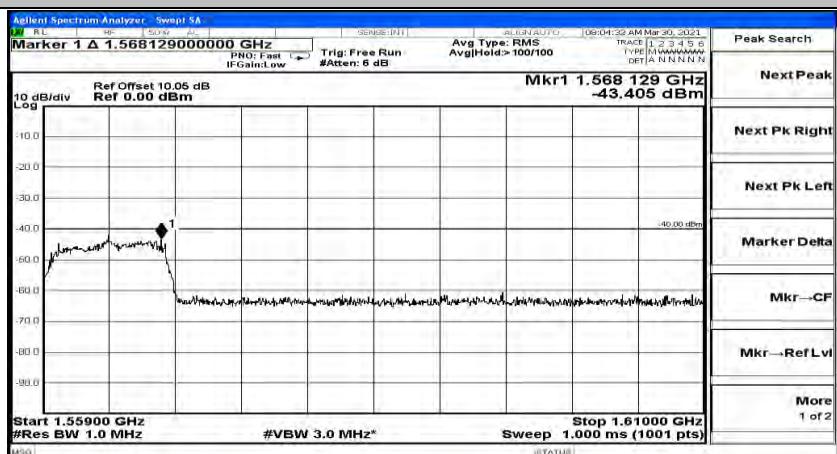
## (Channel Bandwidth: 5 MHz)\_LCH\_QPSK



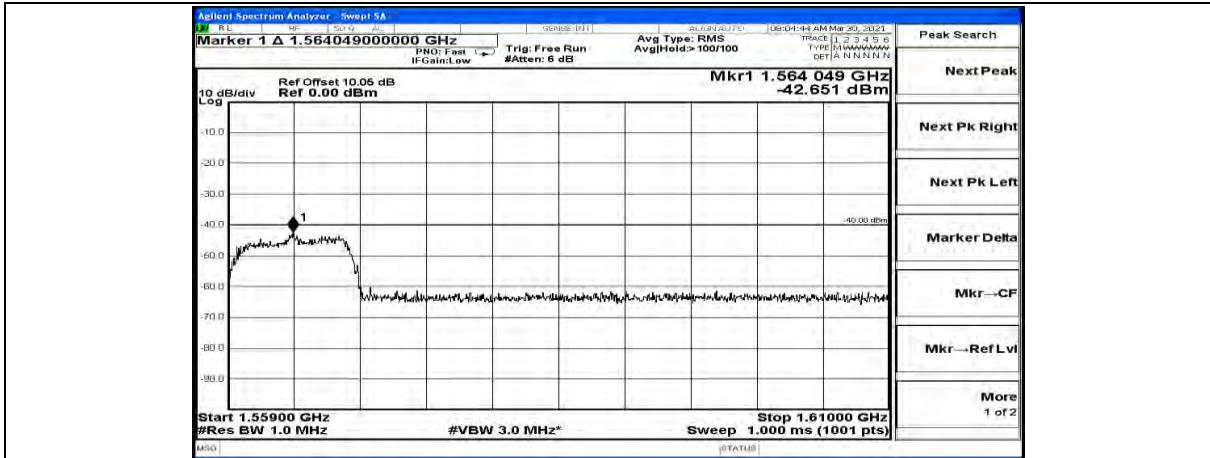
## (Channel Bandwidth: 5 MHz)\_LCH\_16QAM



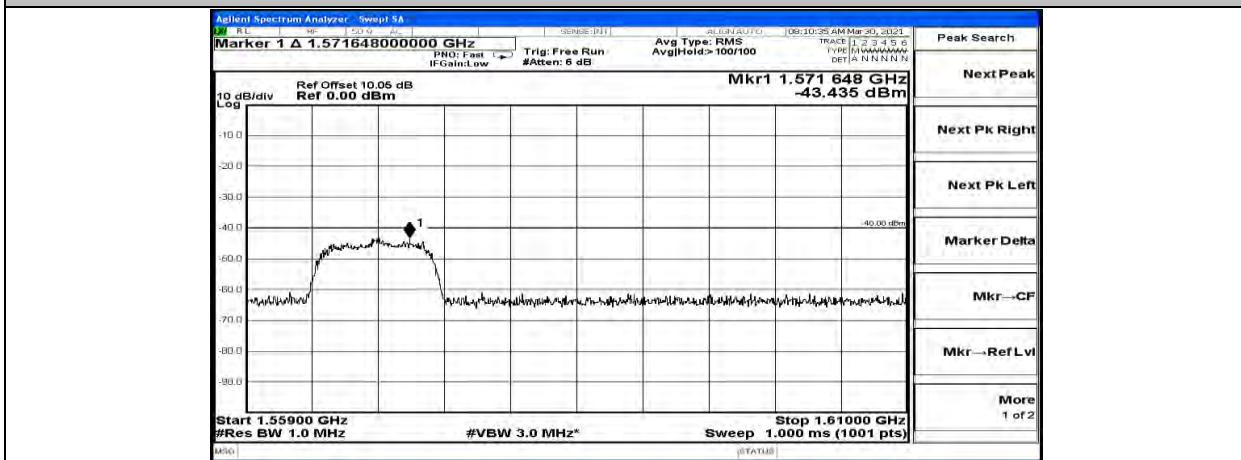
## (Channel Bandwidth: 5 MHz)\_MCH\_QPSK



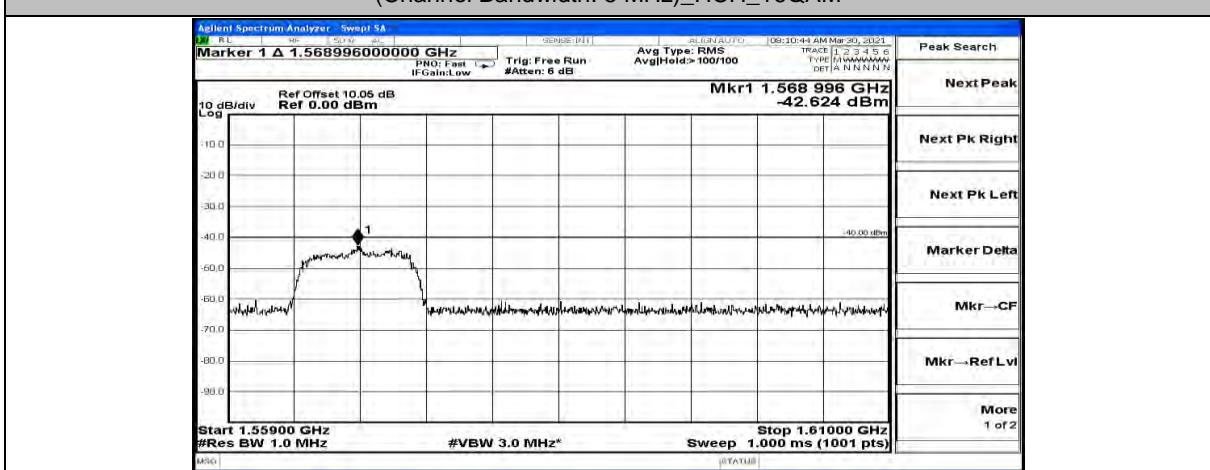
## (Channel Bandwidth: 5 MHz)\_MCH\_16QAM



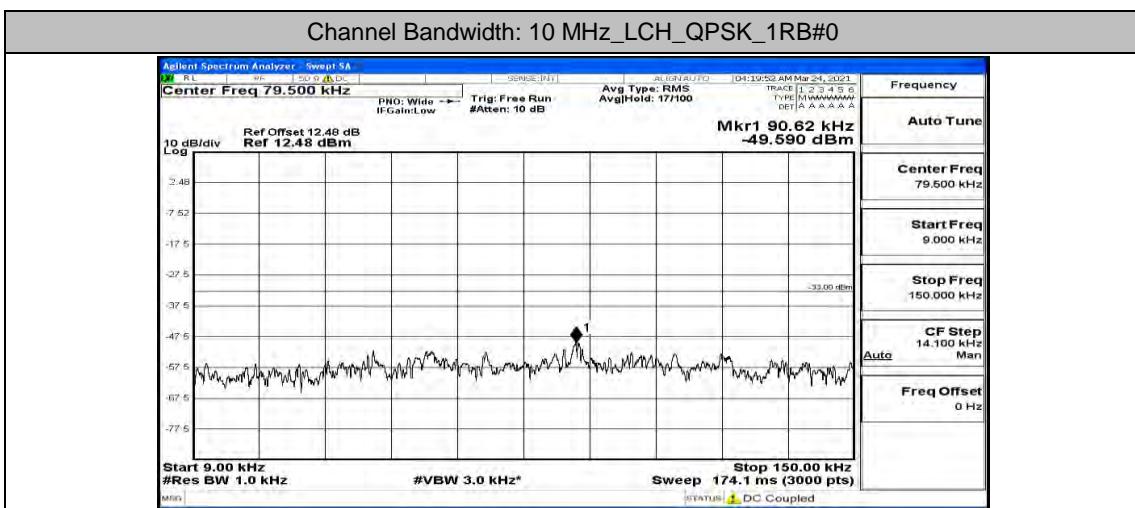
## (Channel Bandwidth: 5 MHz)\_HCH\_QPSK

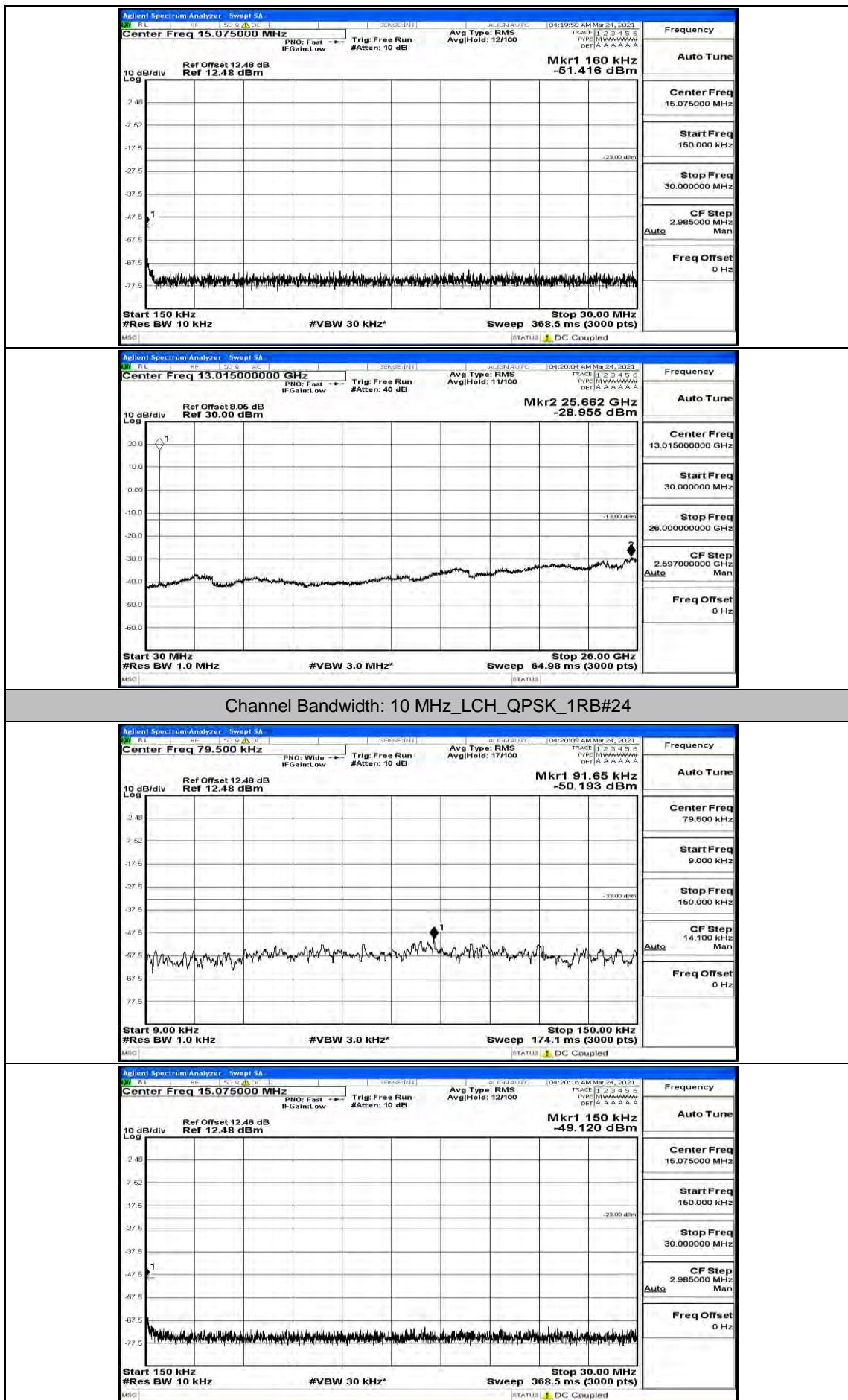


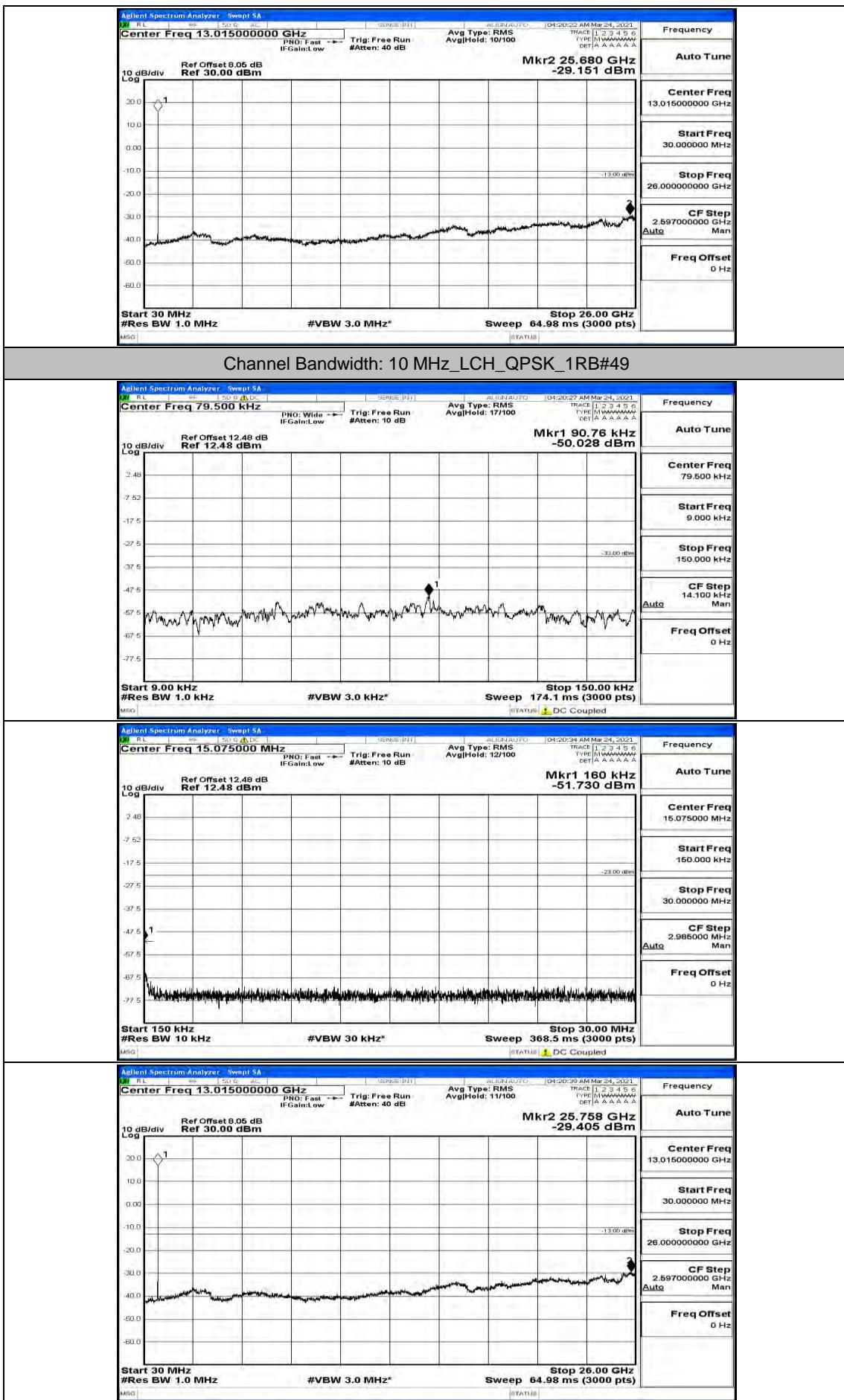
## (Channel Bandwidth: 5 MHz)\_HCH\_16QAM

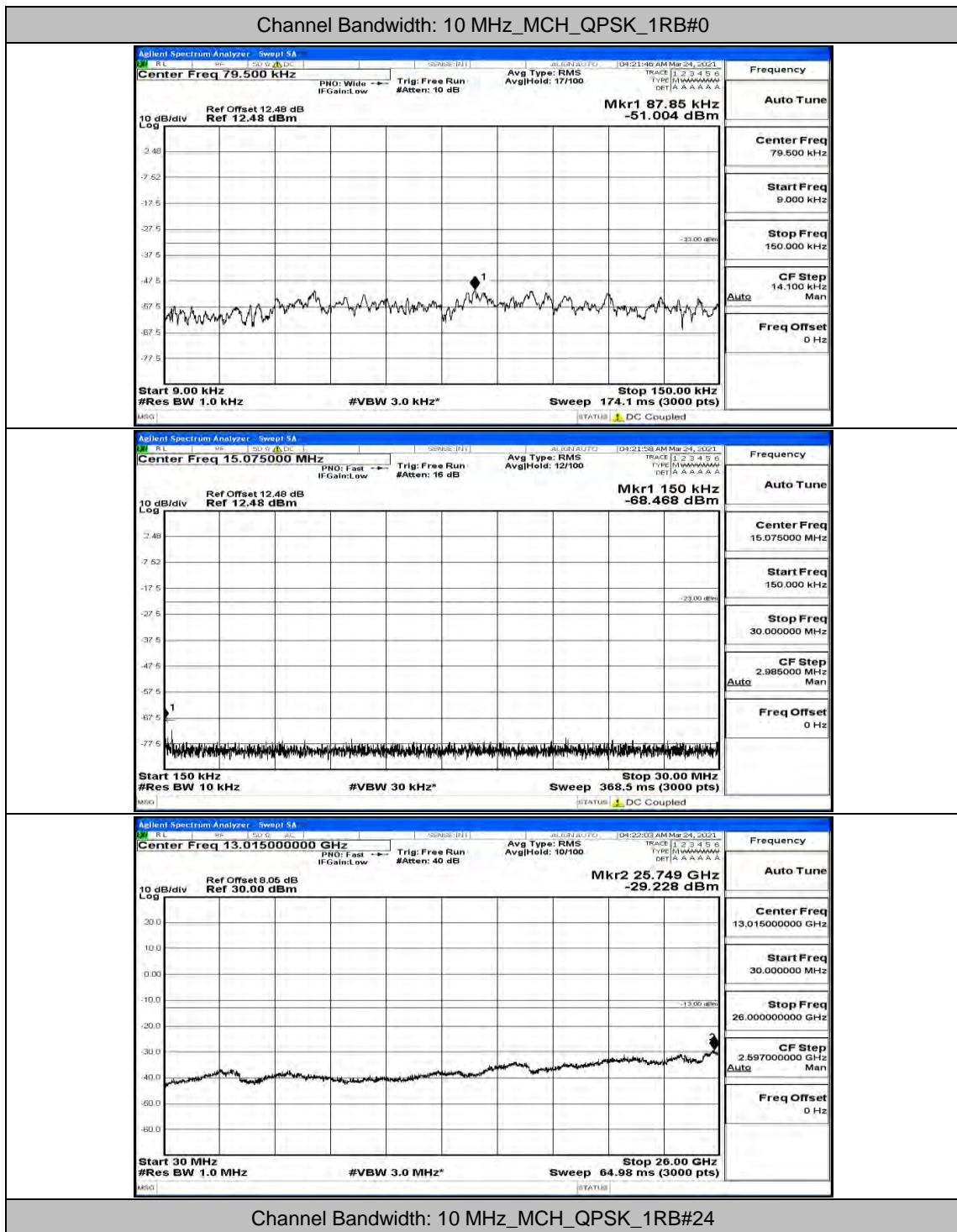


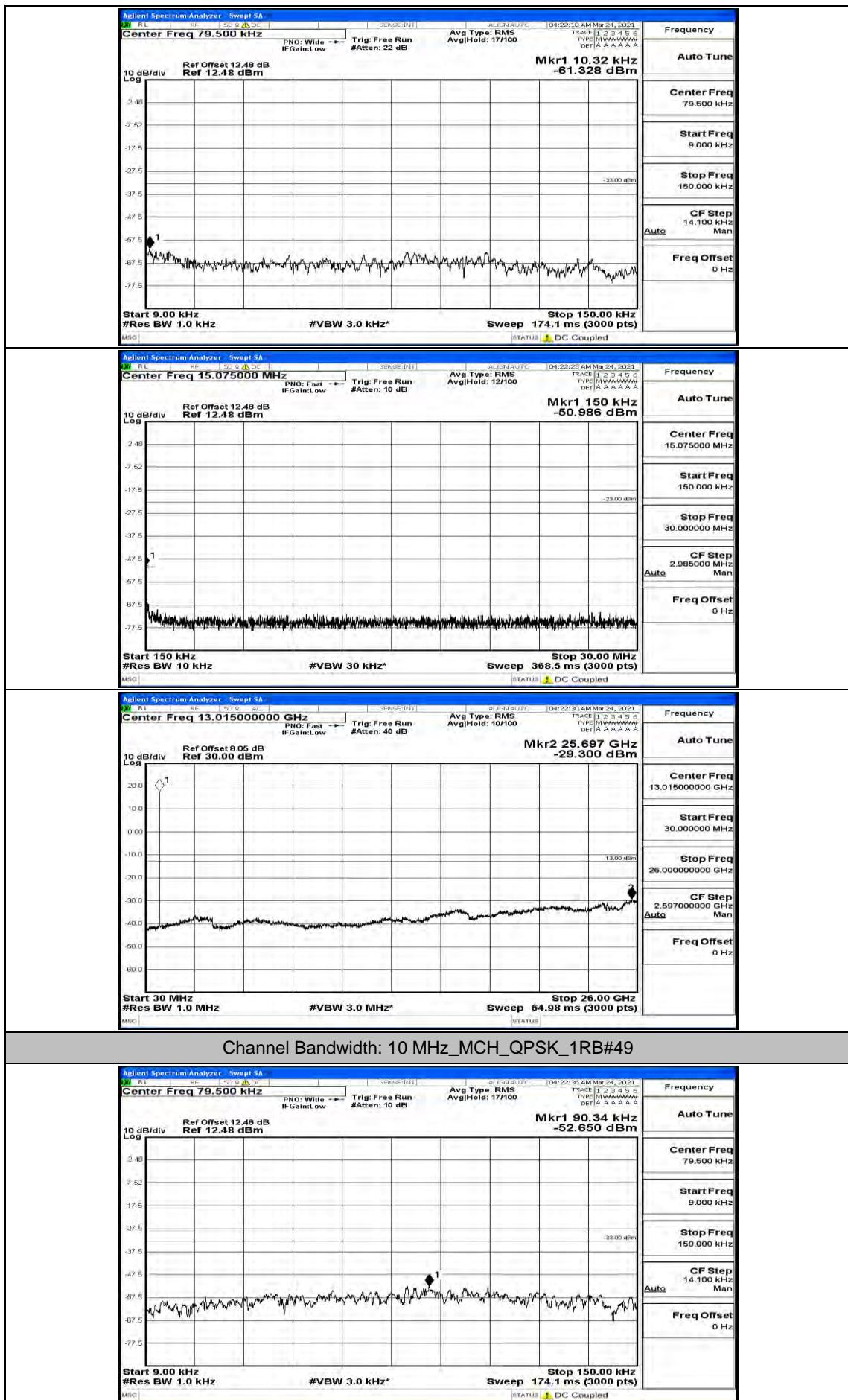
## Channel Bandwidth: 10 MHz

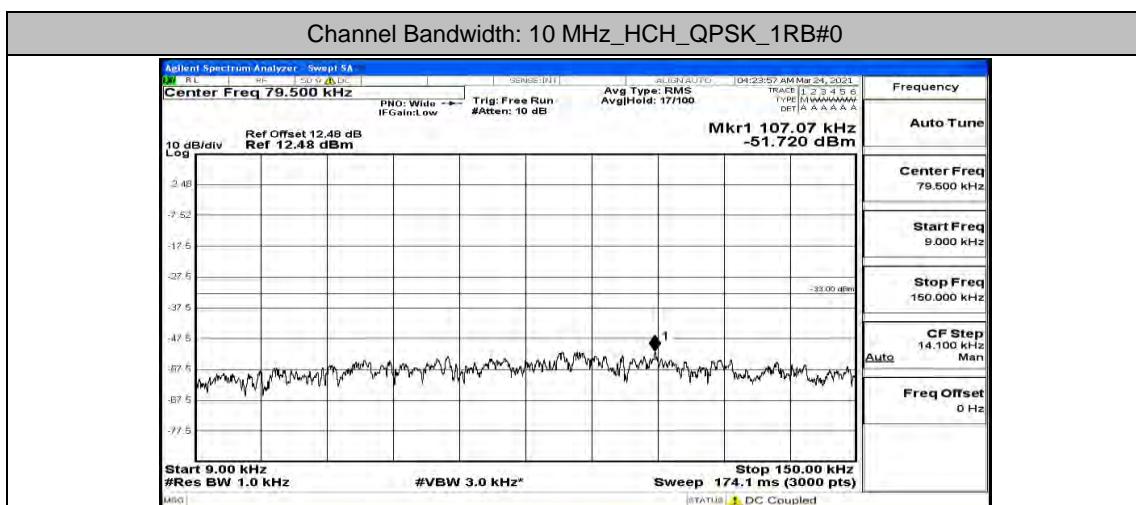
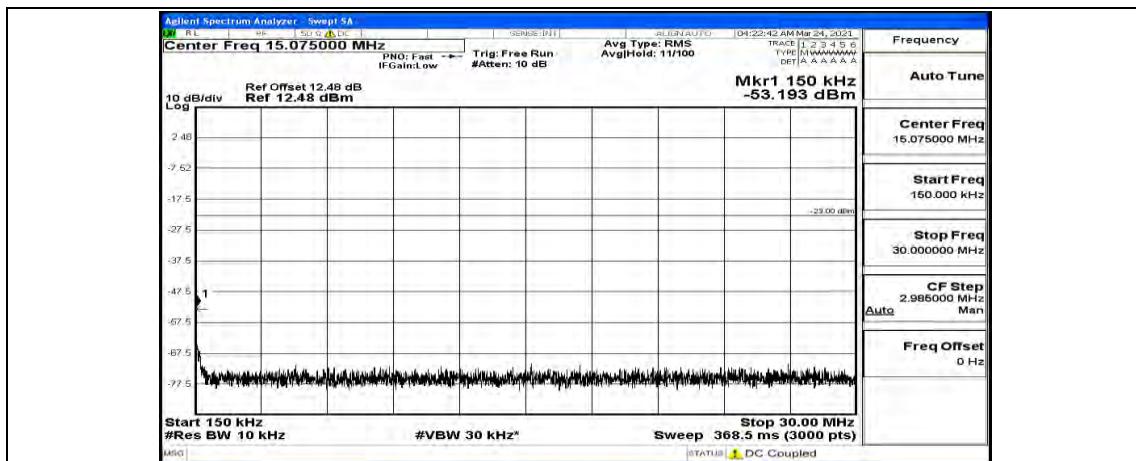


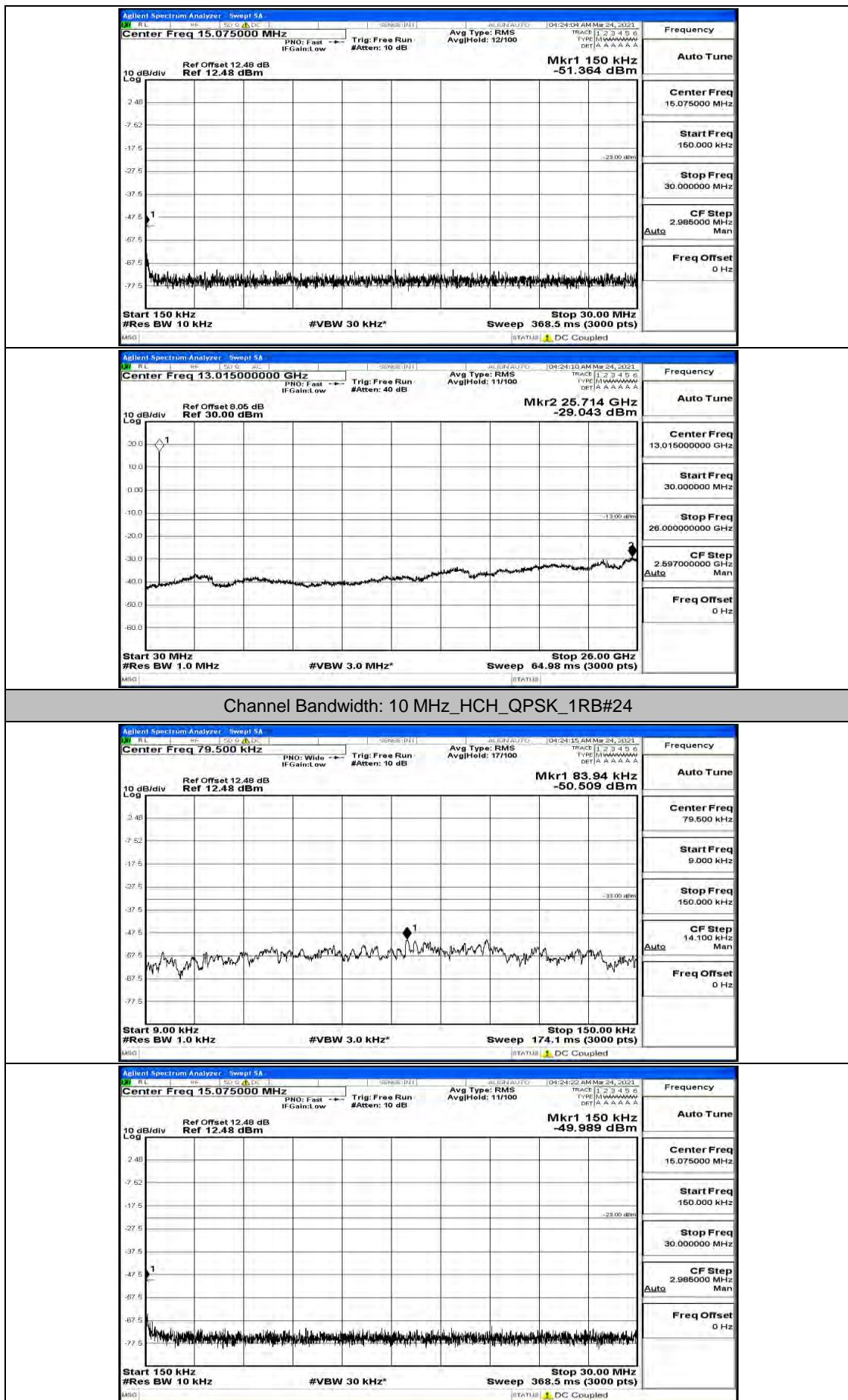


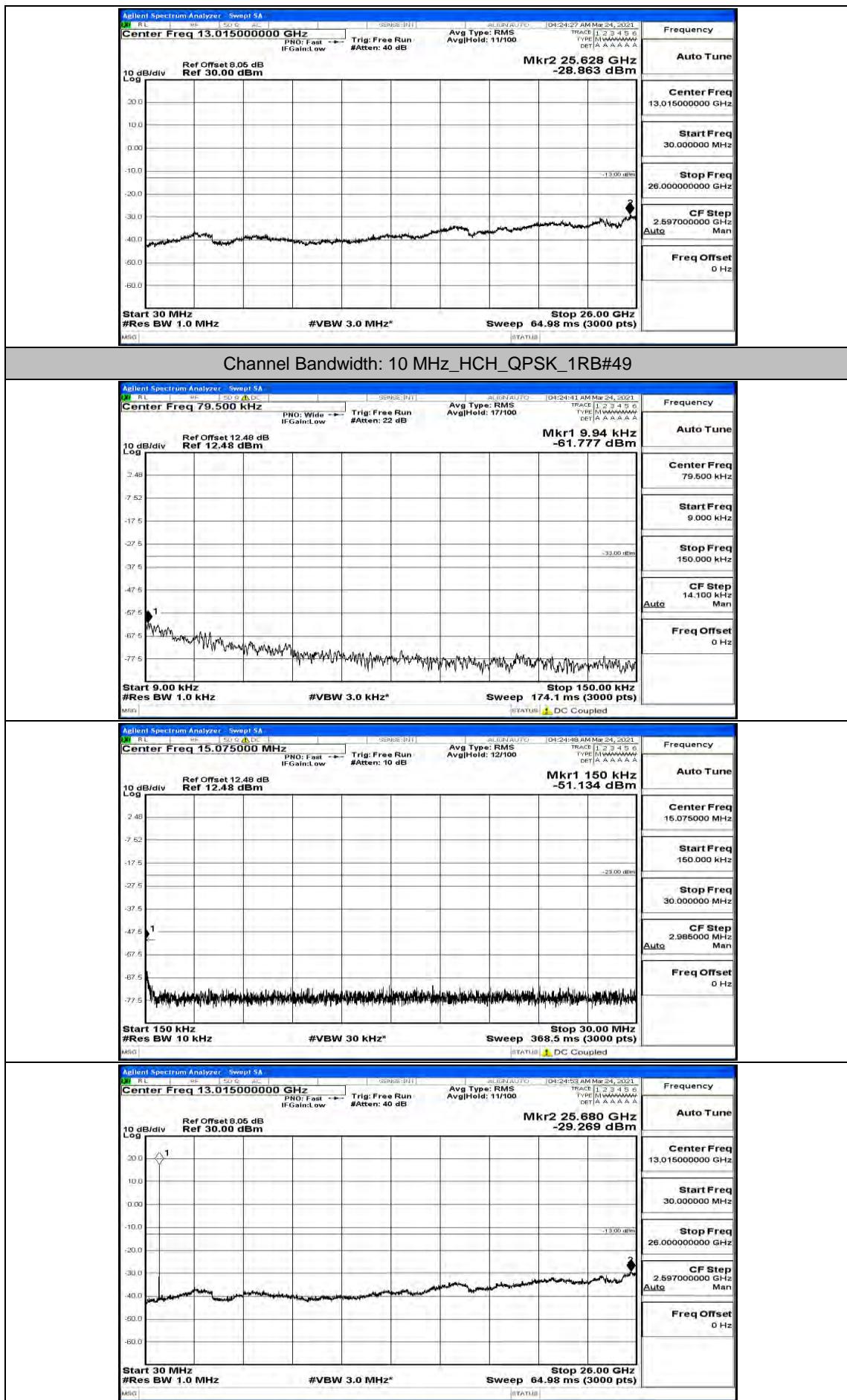


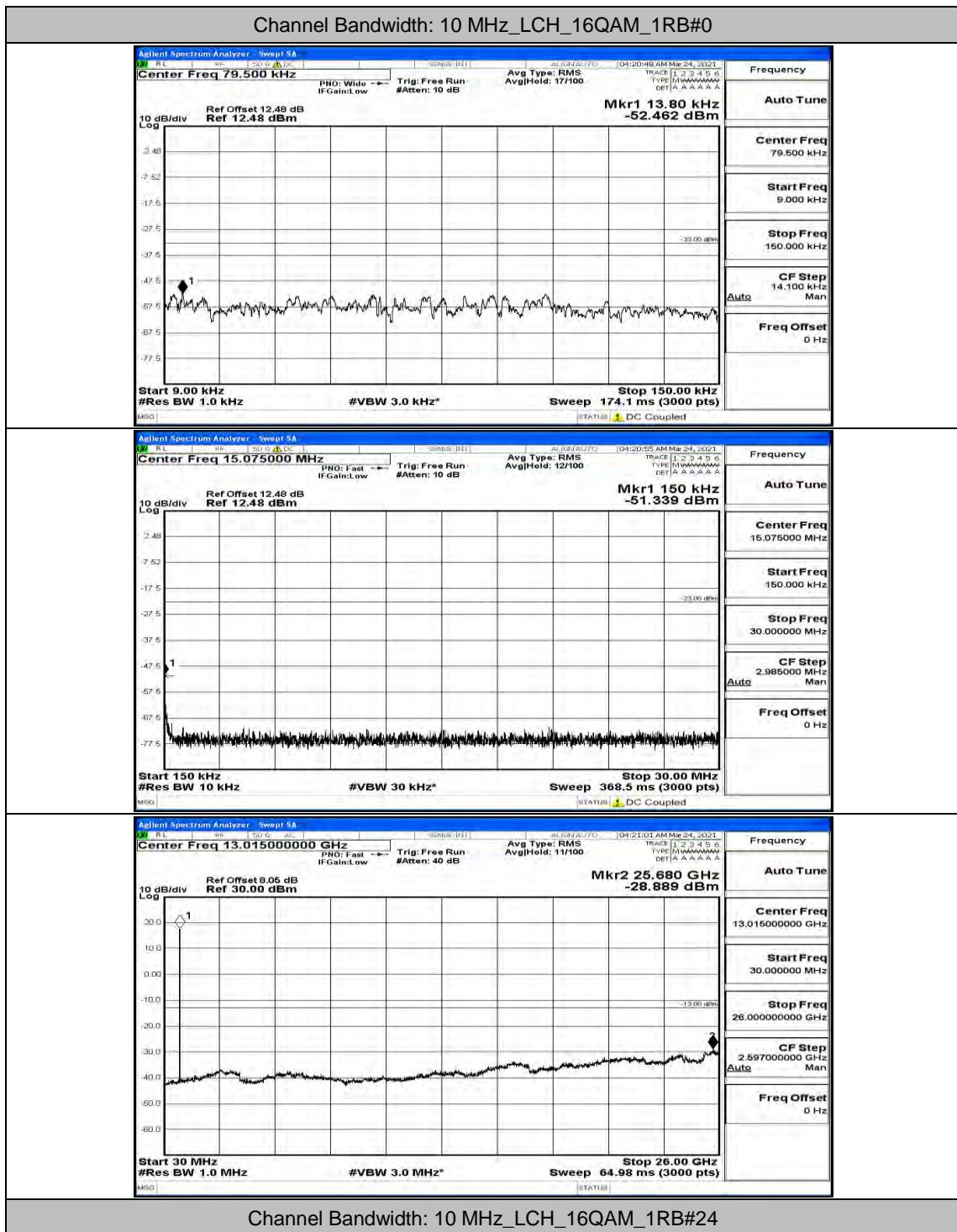


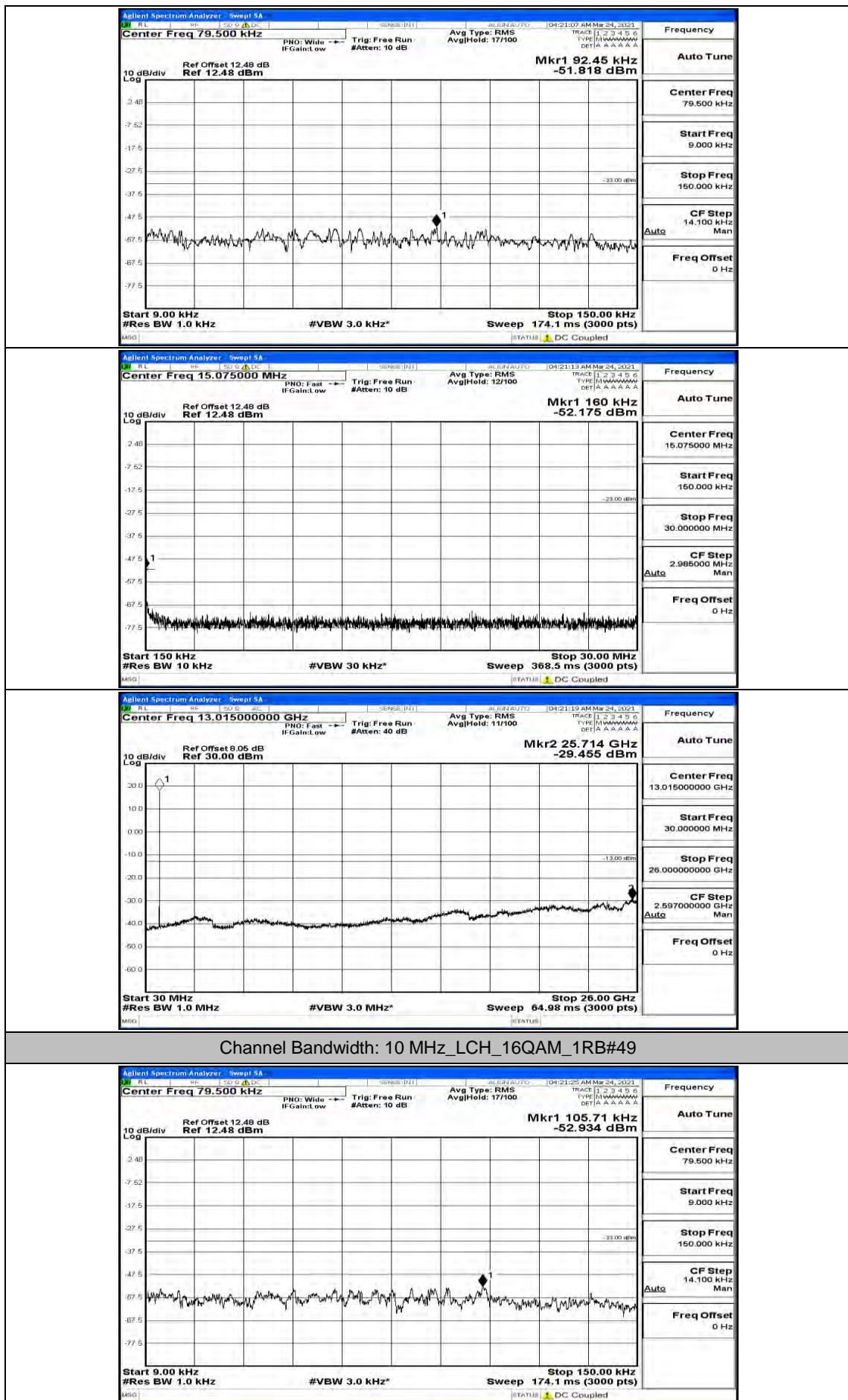


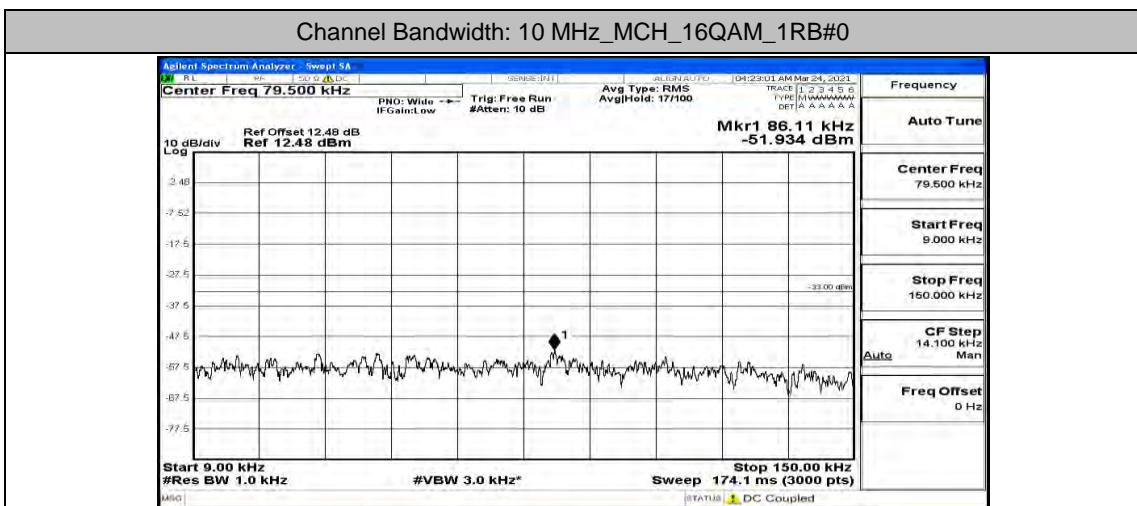
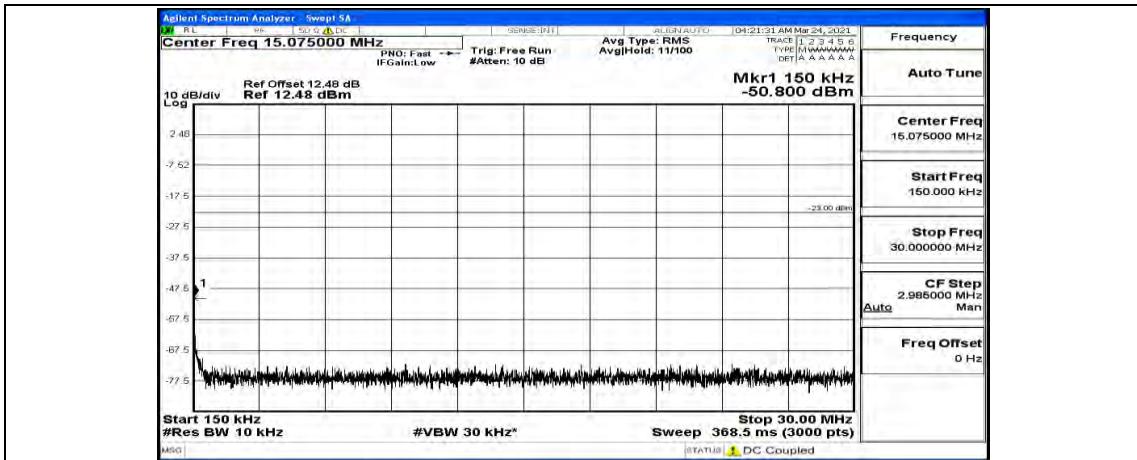


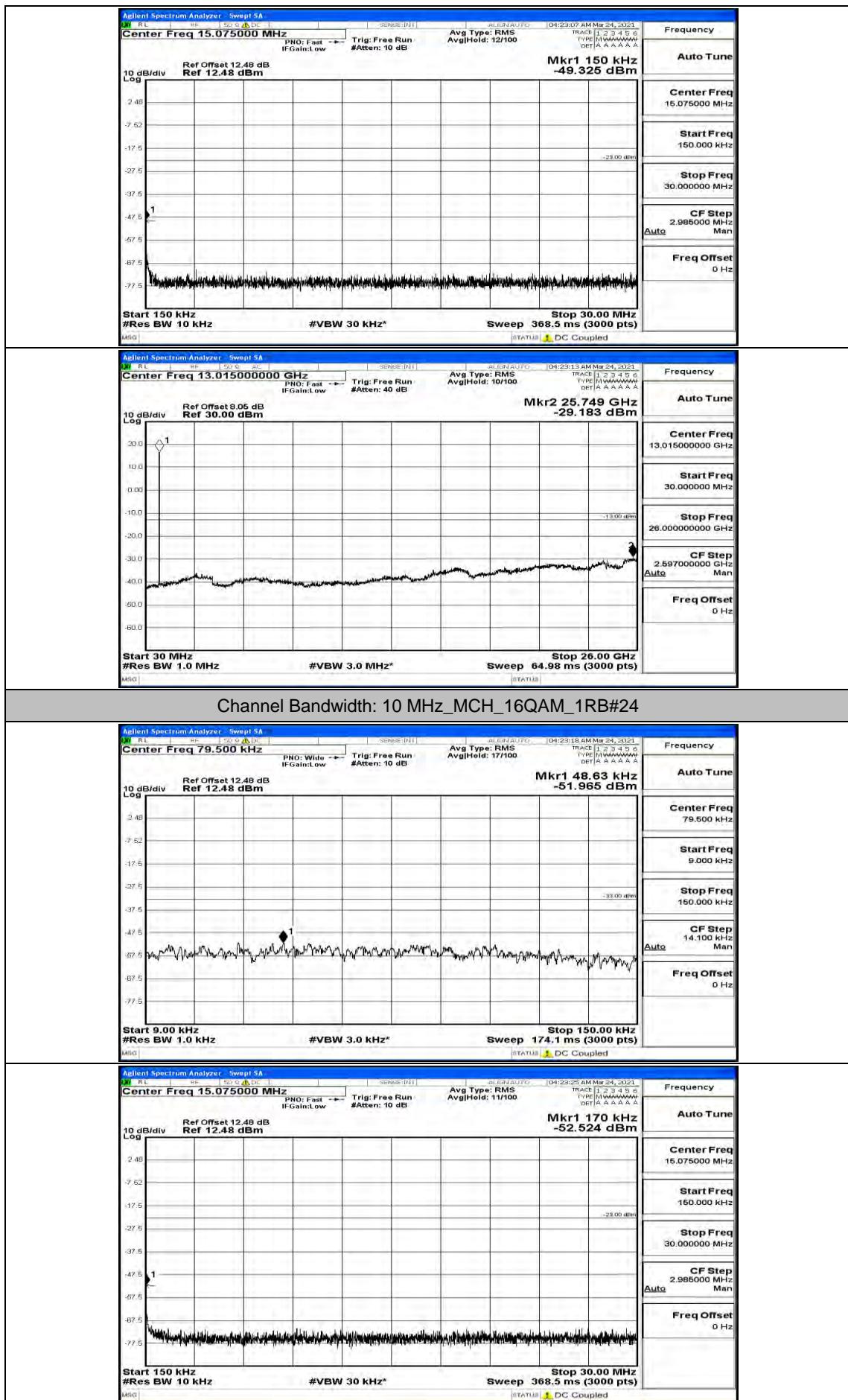


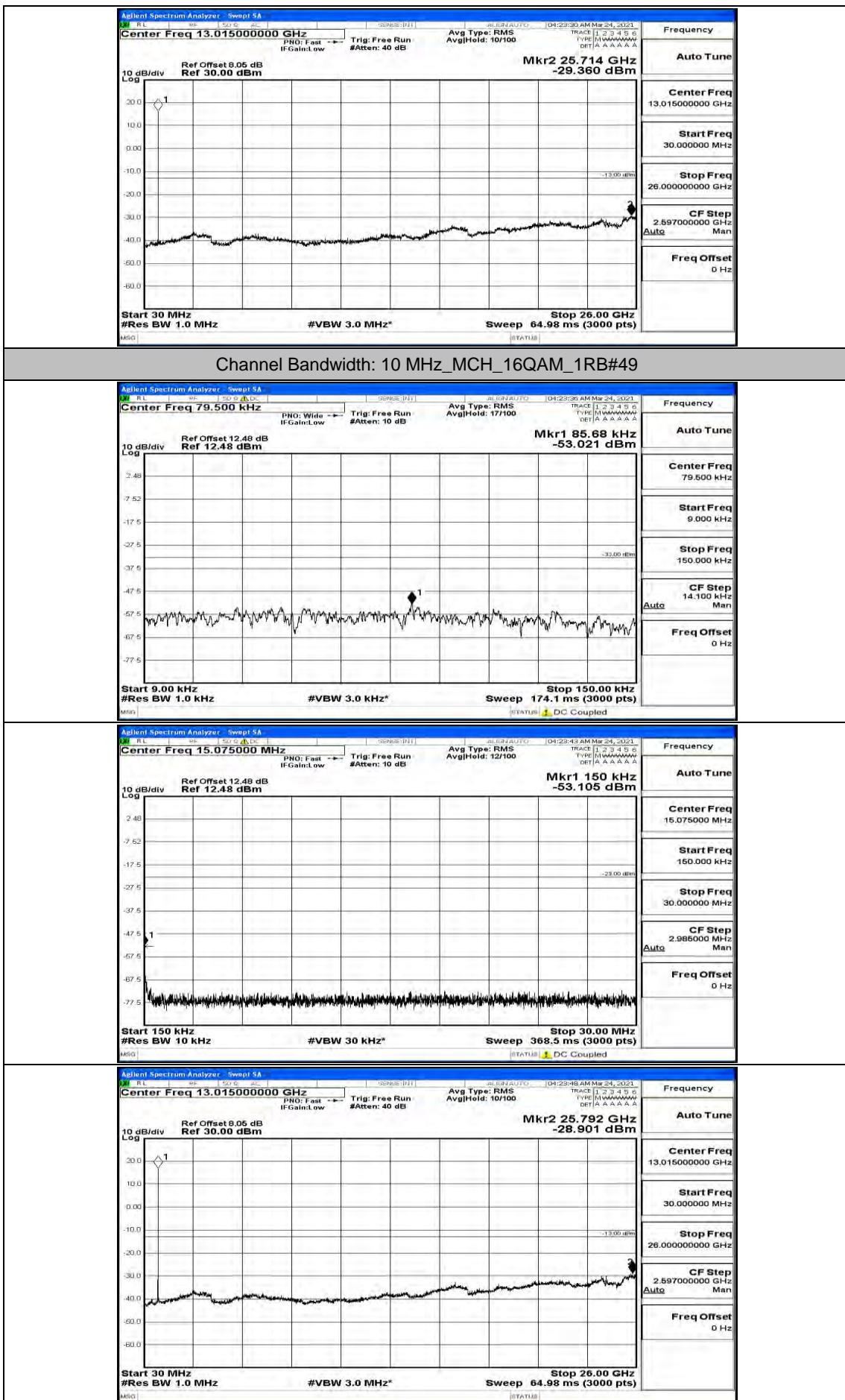


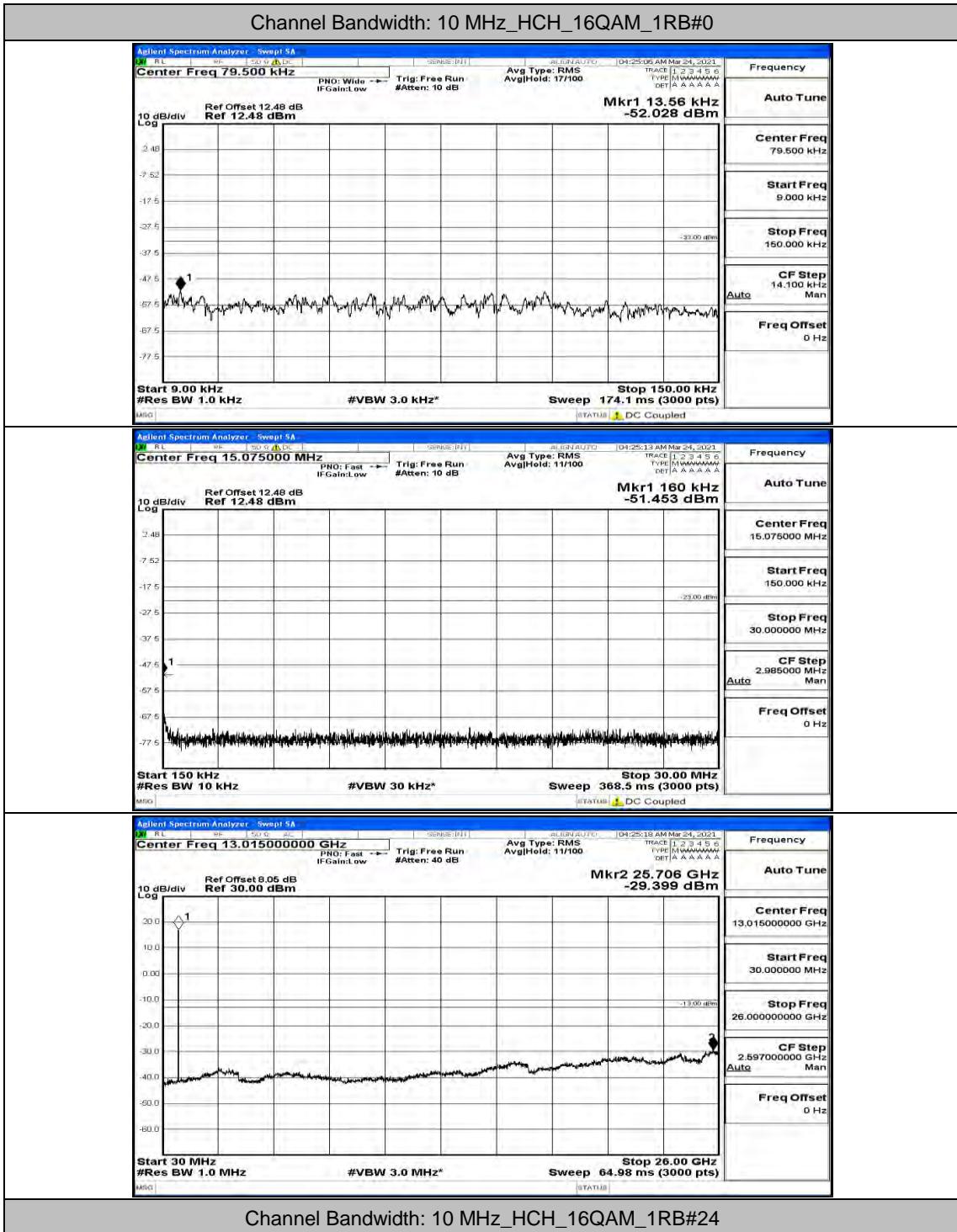


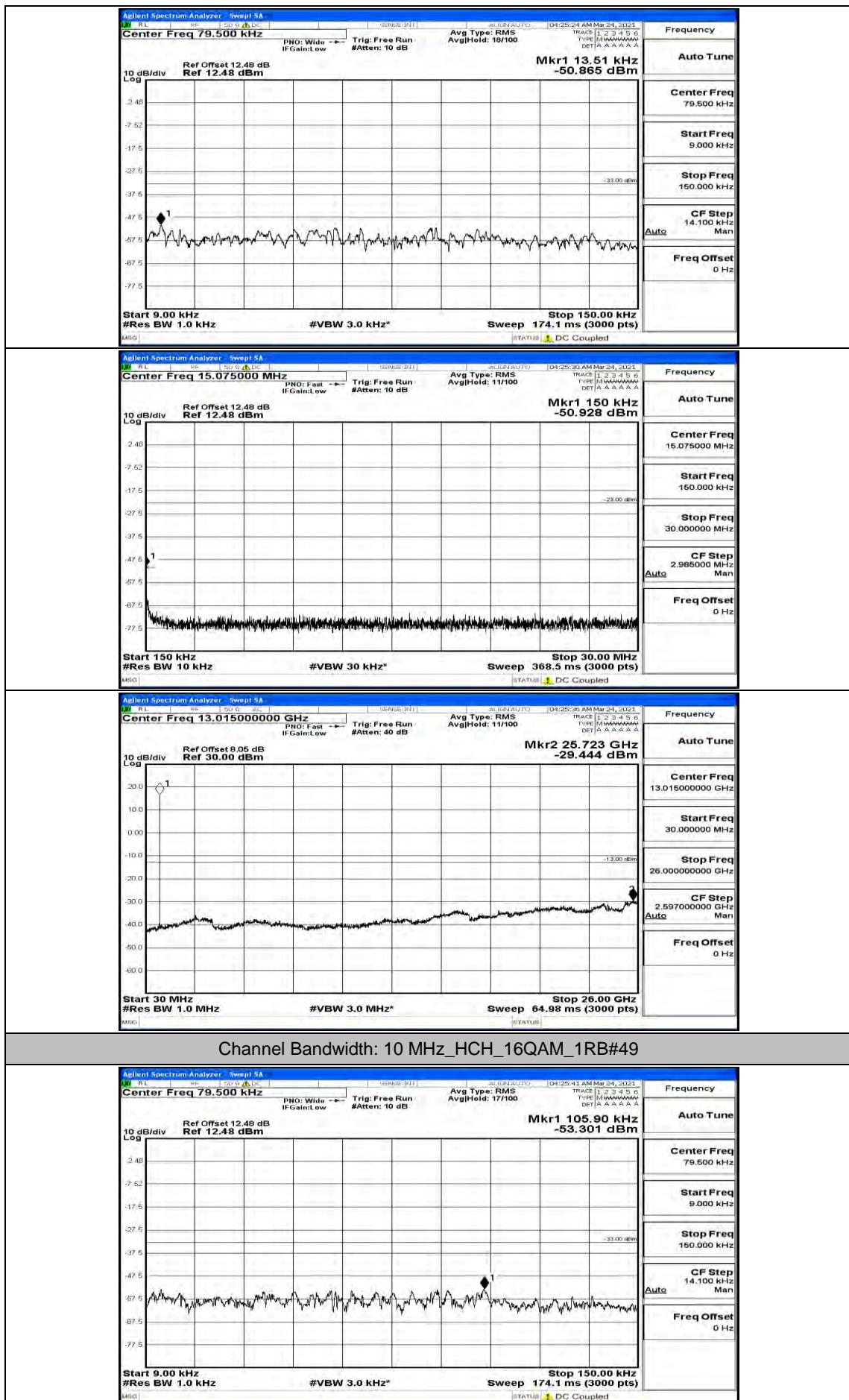




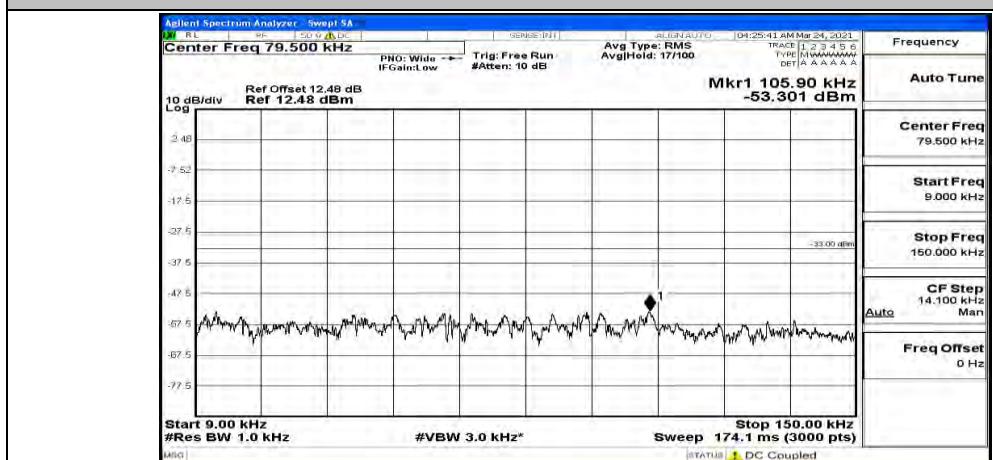


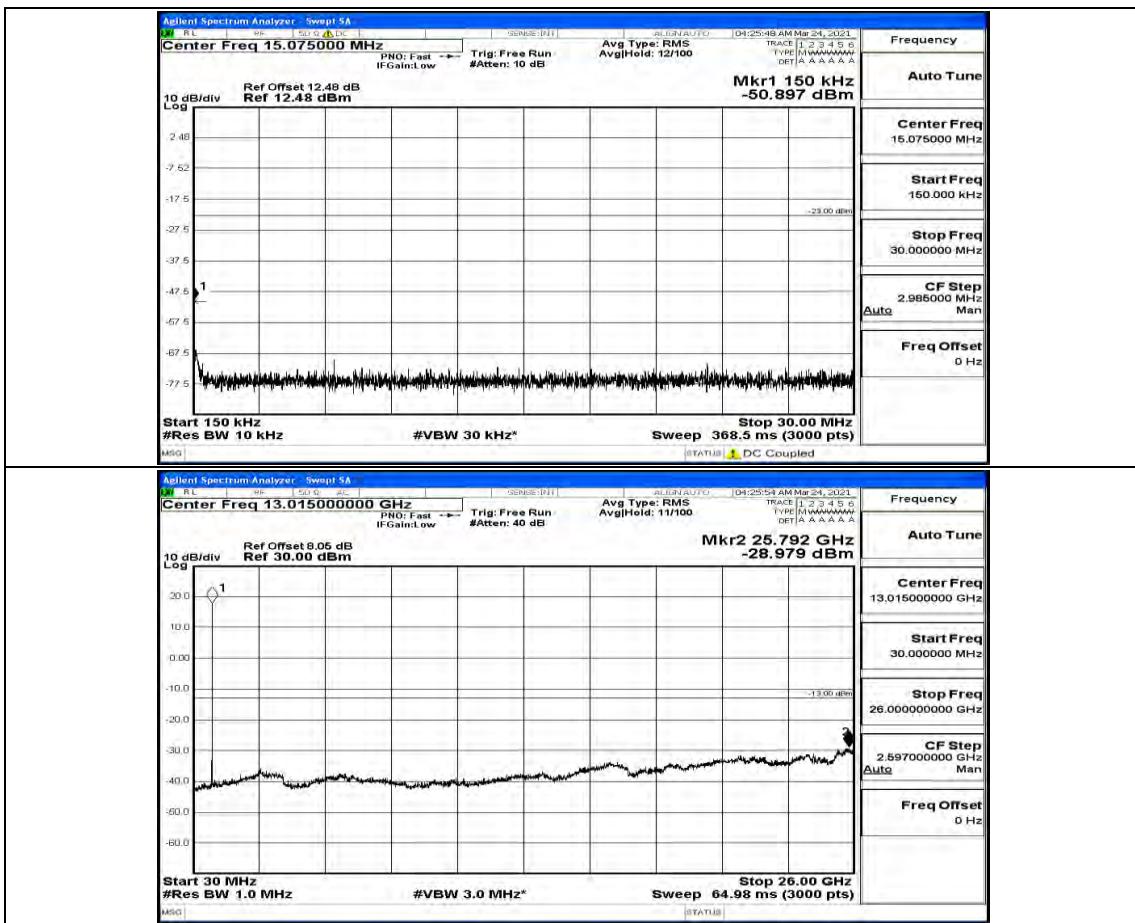




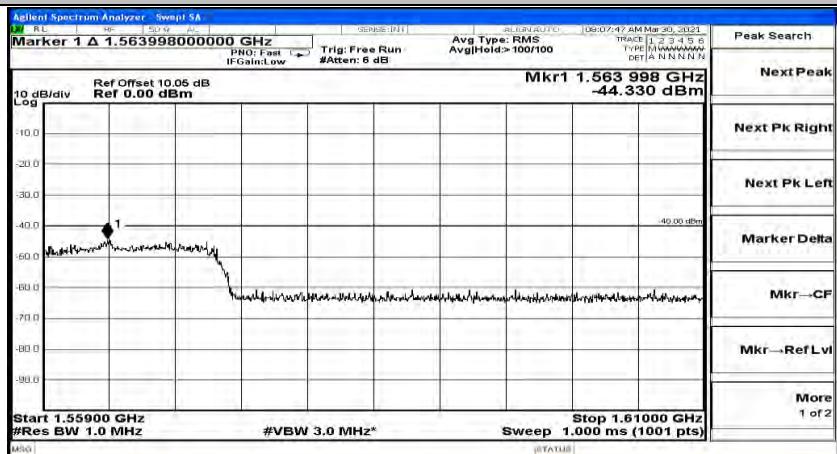


### Channel Bandwidth: 10 MHz\_HCH\_16QAM\_1RB#49





## (Channel Bandwidth: 10 MHz)\_MCH\_QPSK



## (Channel Bandwidth: 10 MHz)\_MCH\_16QAM

