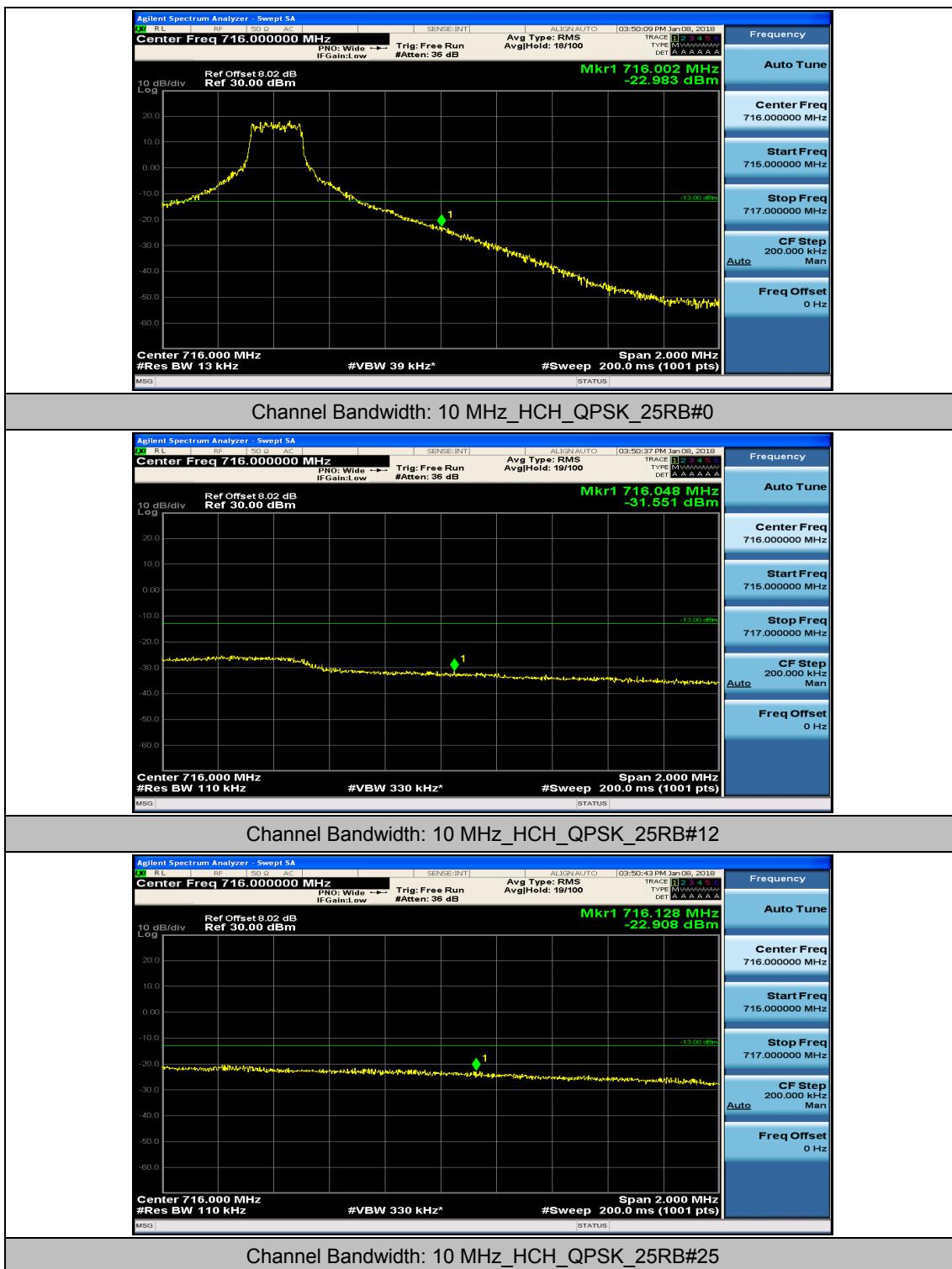
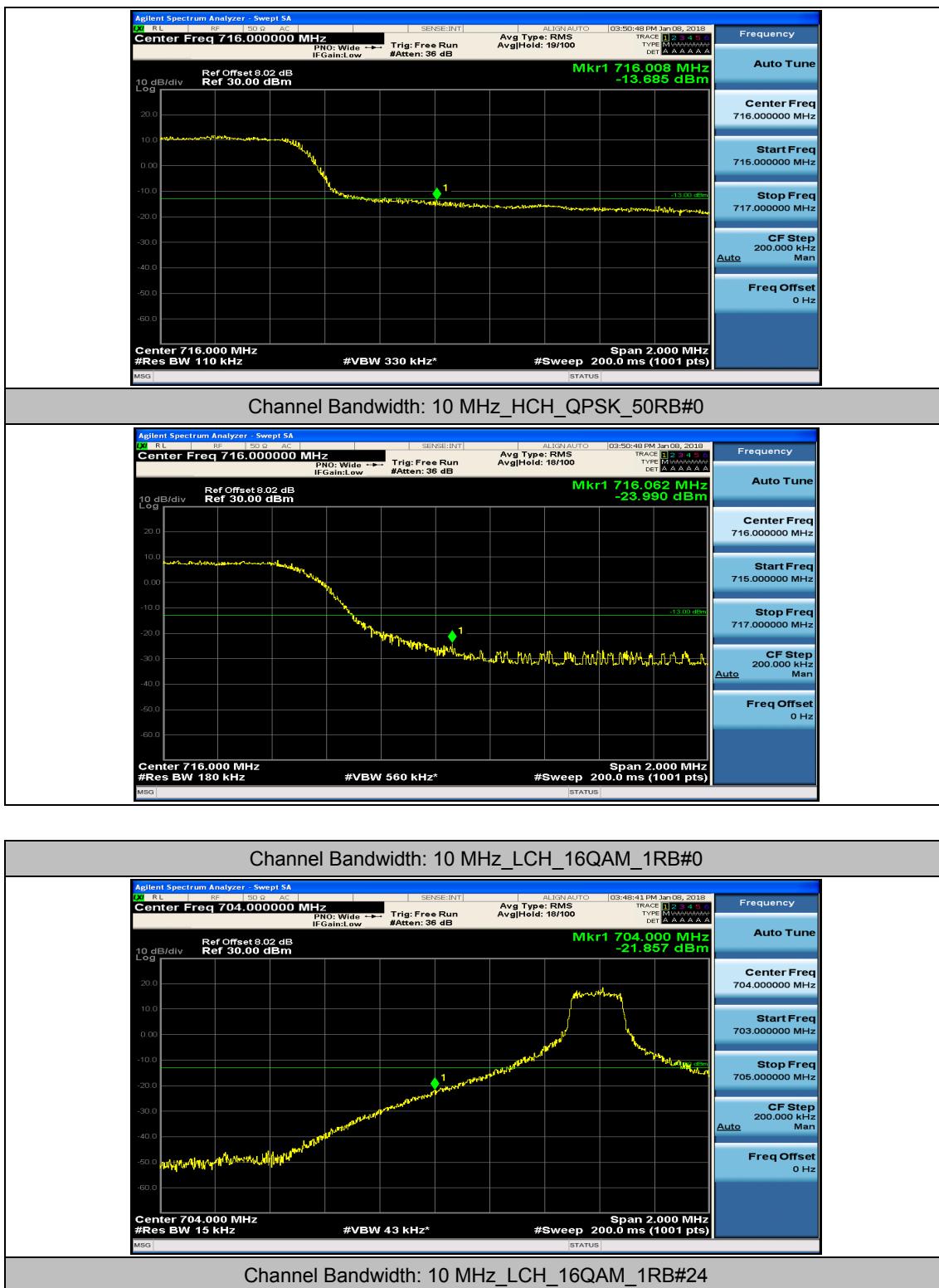
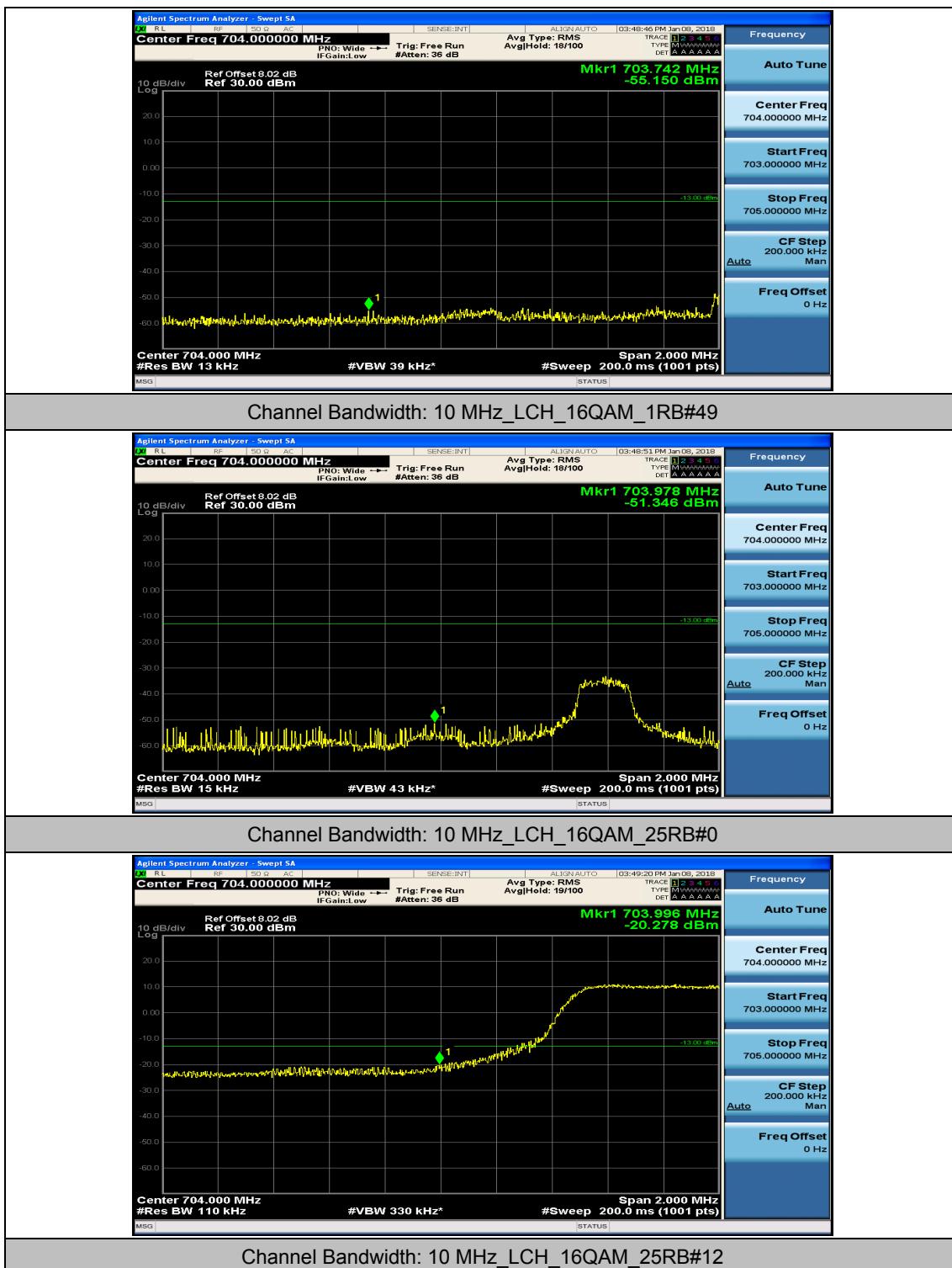
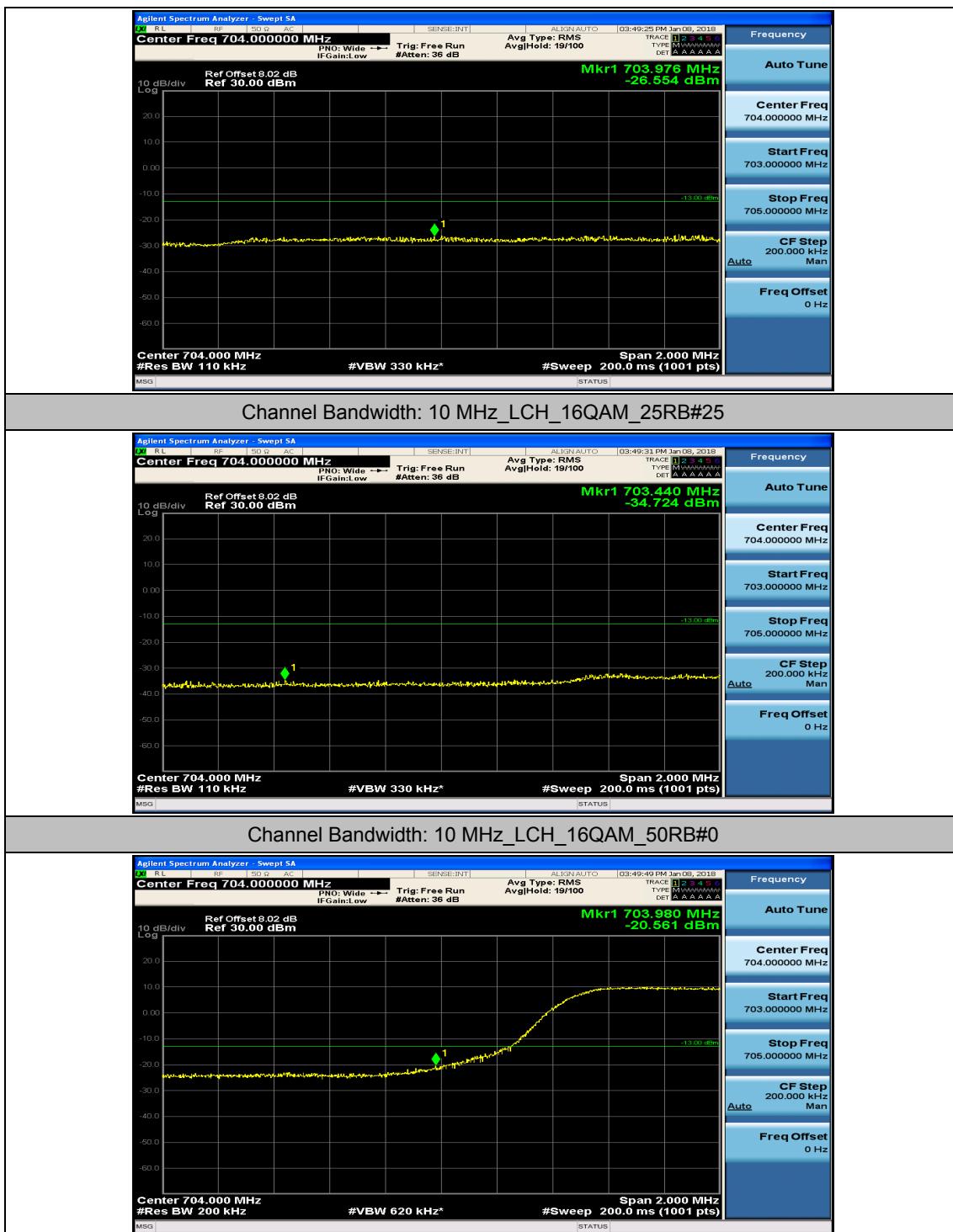


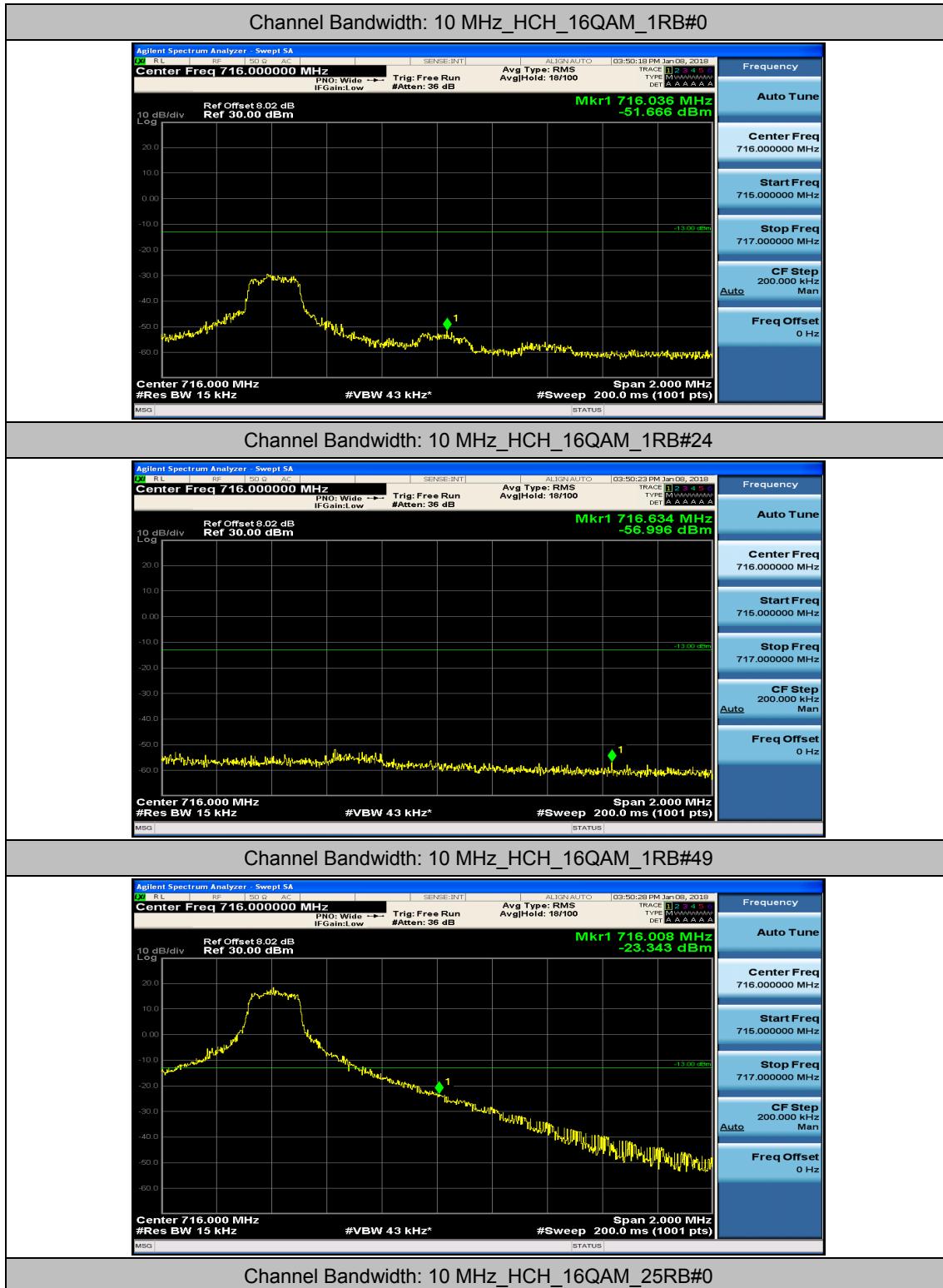
**Channel Bandwidth: 10 MHz\_HCH\_QPSK\_1RB#49**

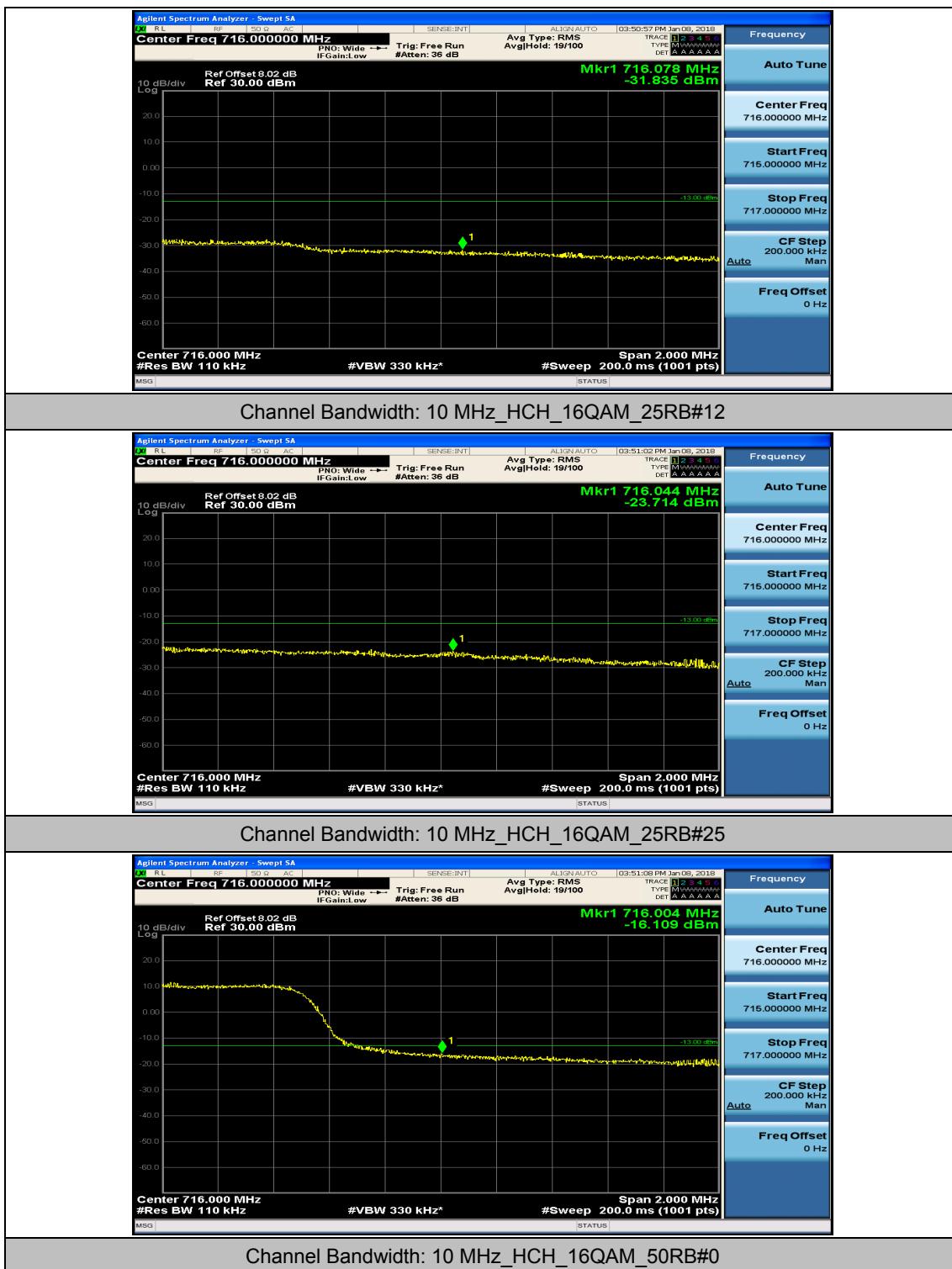










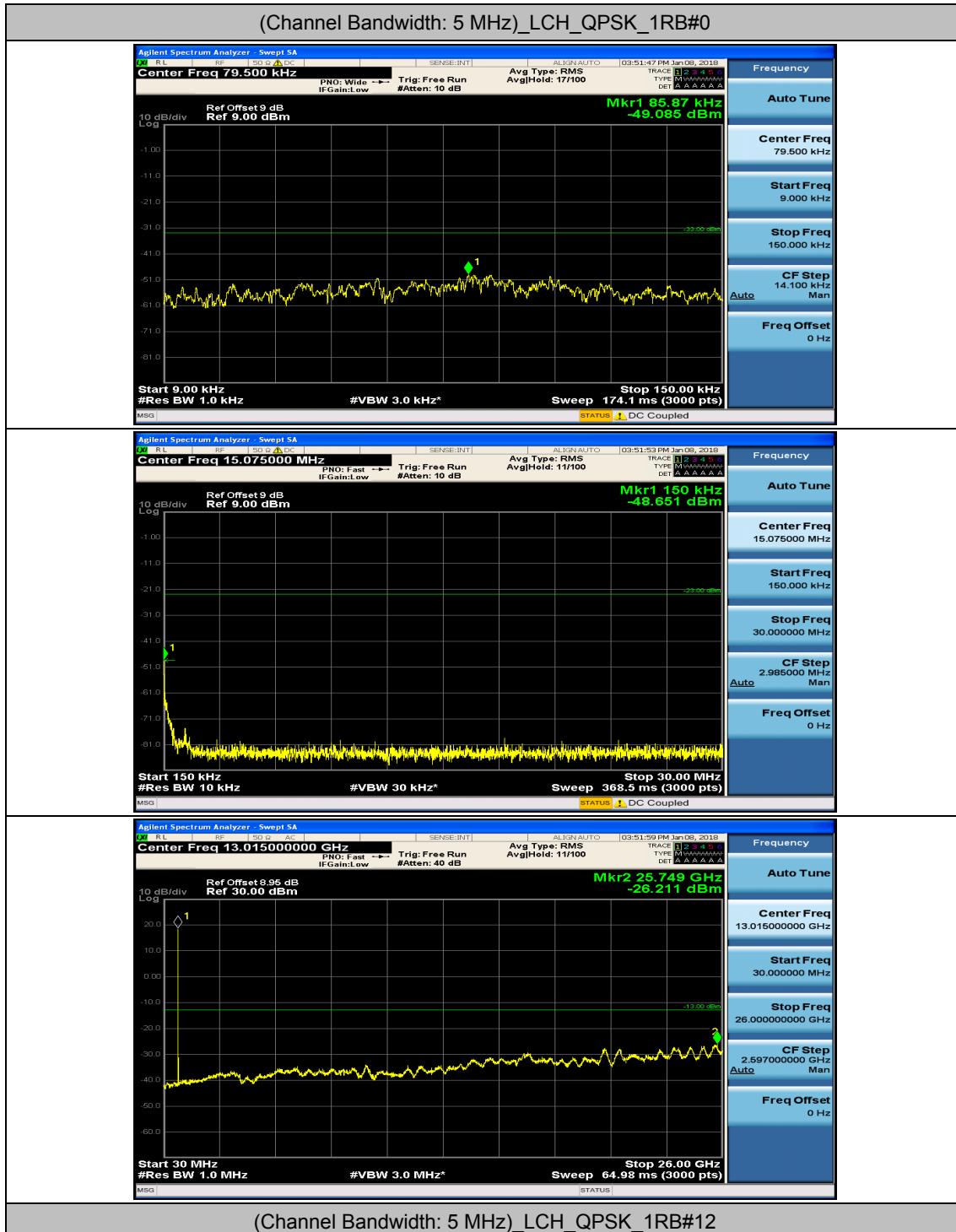


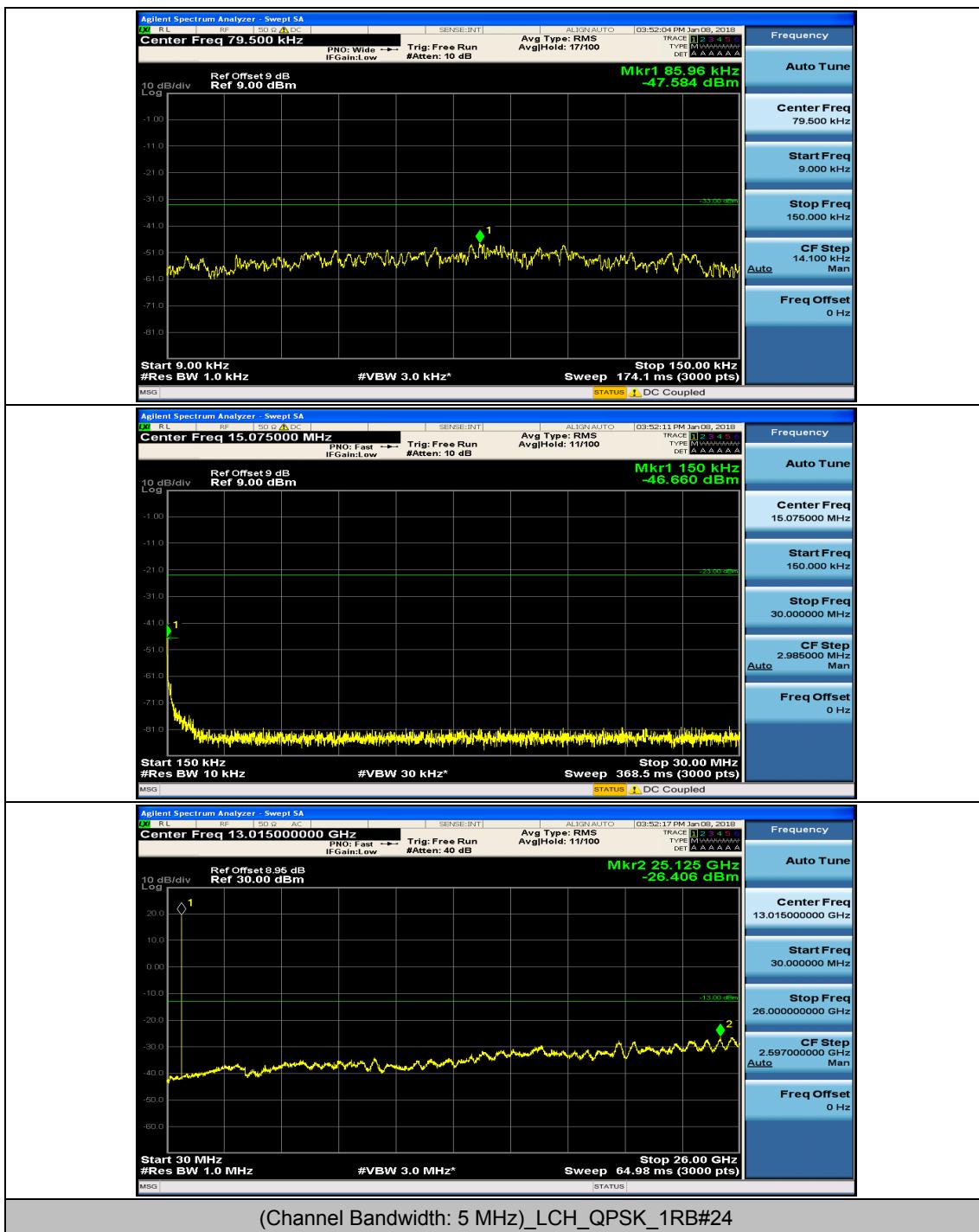


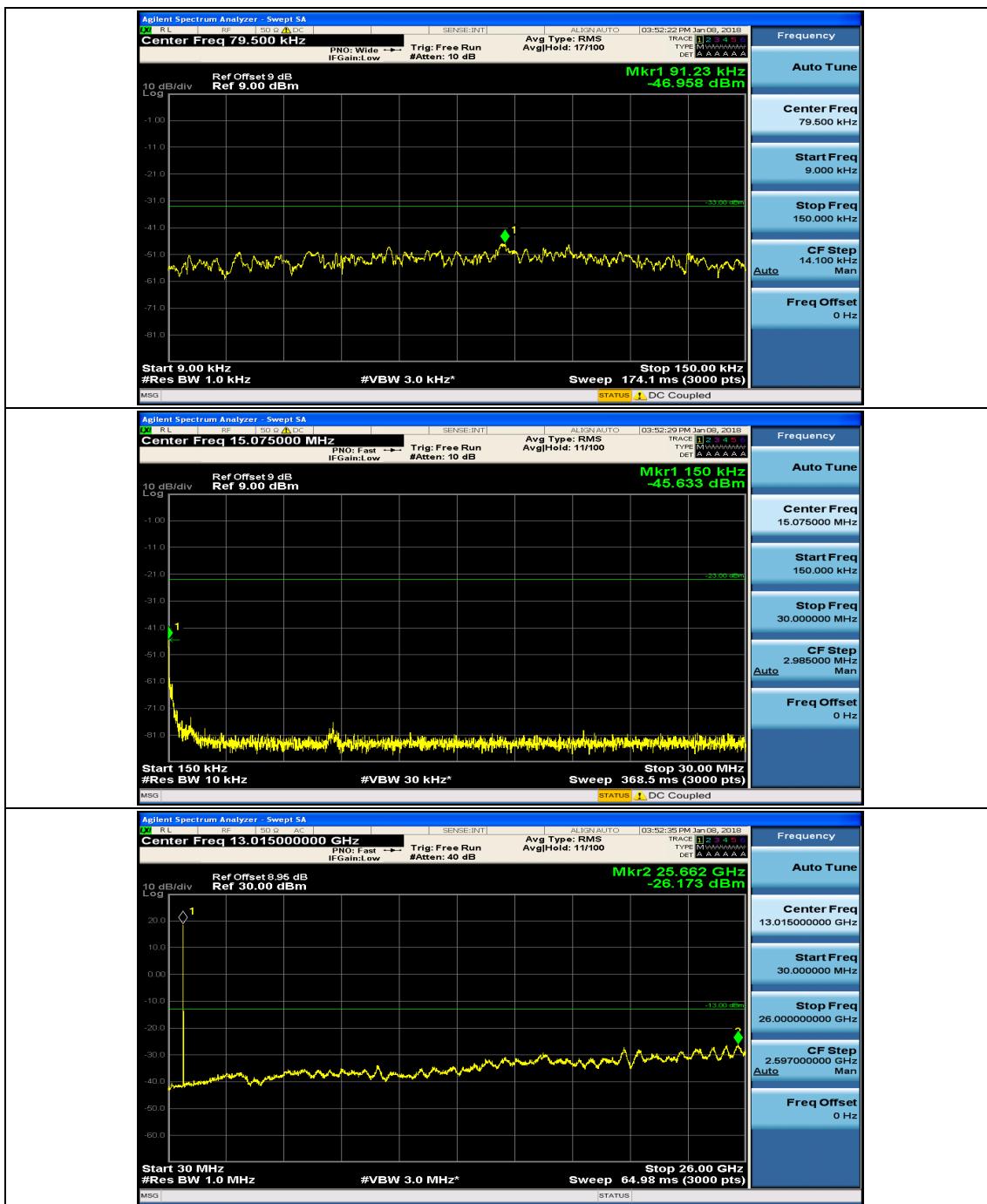
## Appendix E: Conducted Spurious Emission

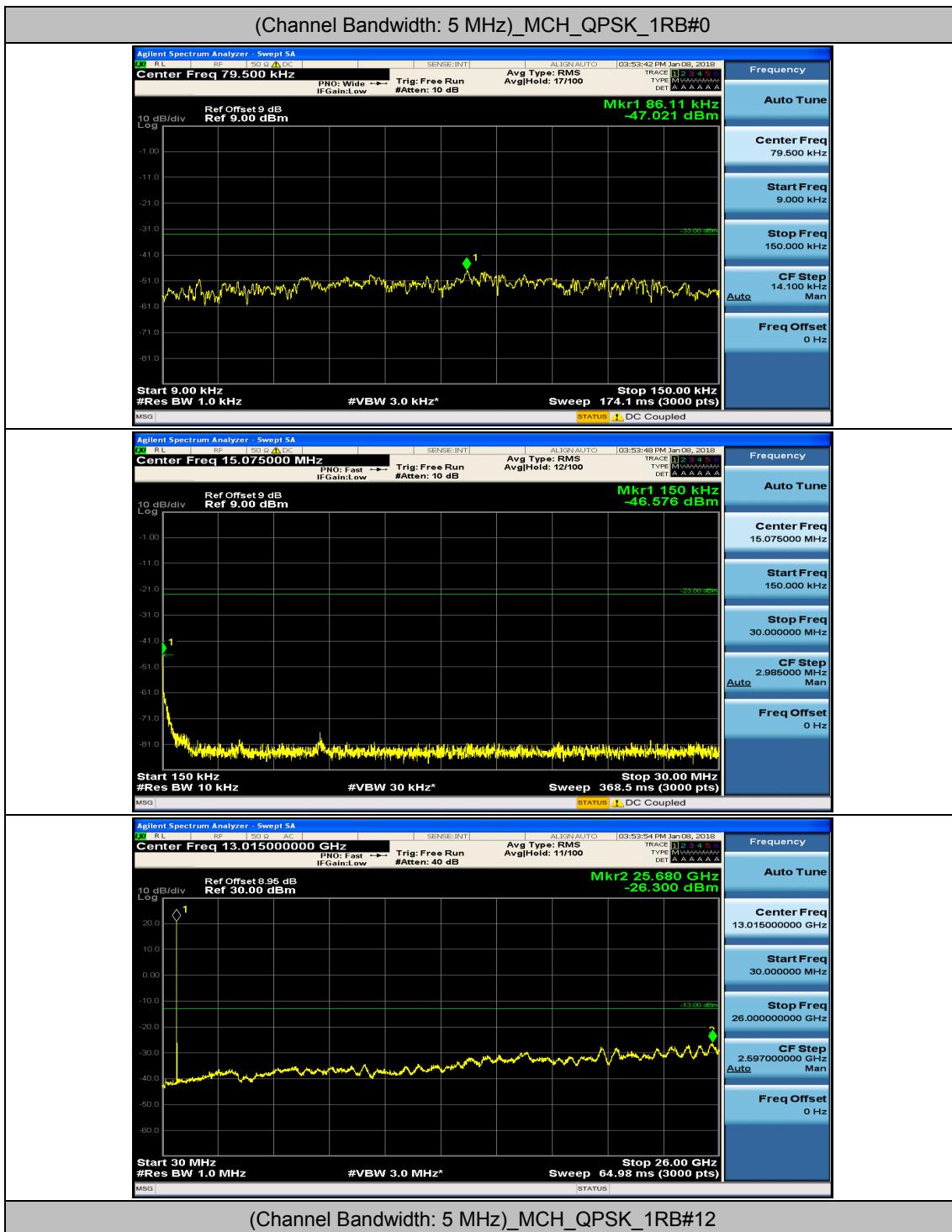
### Test Graphs

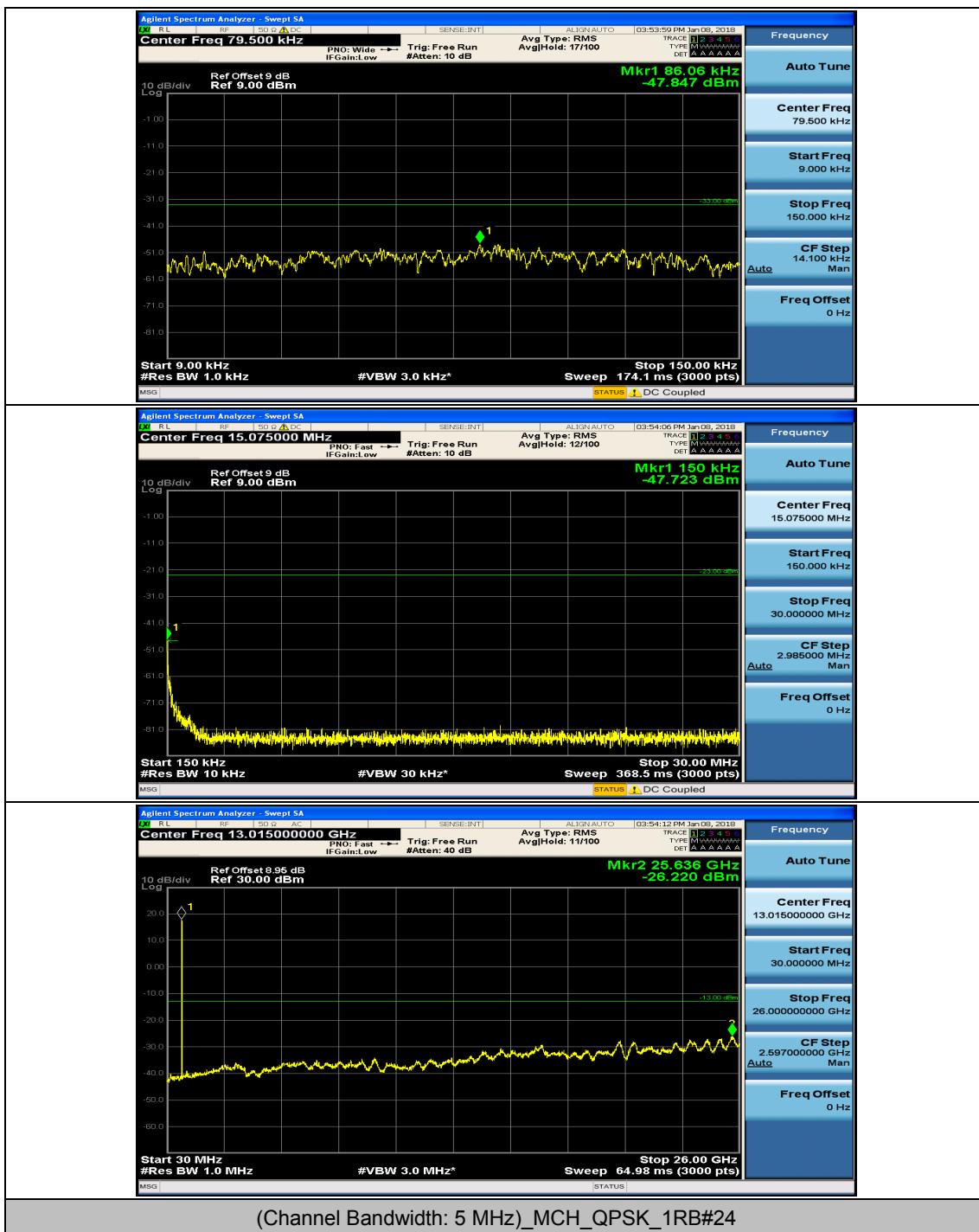
#### Channel Bandwidth: 5 MHz

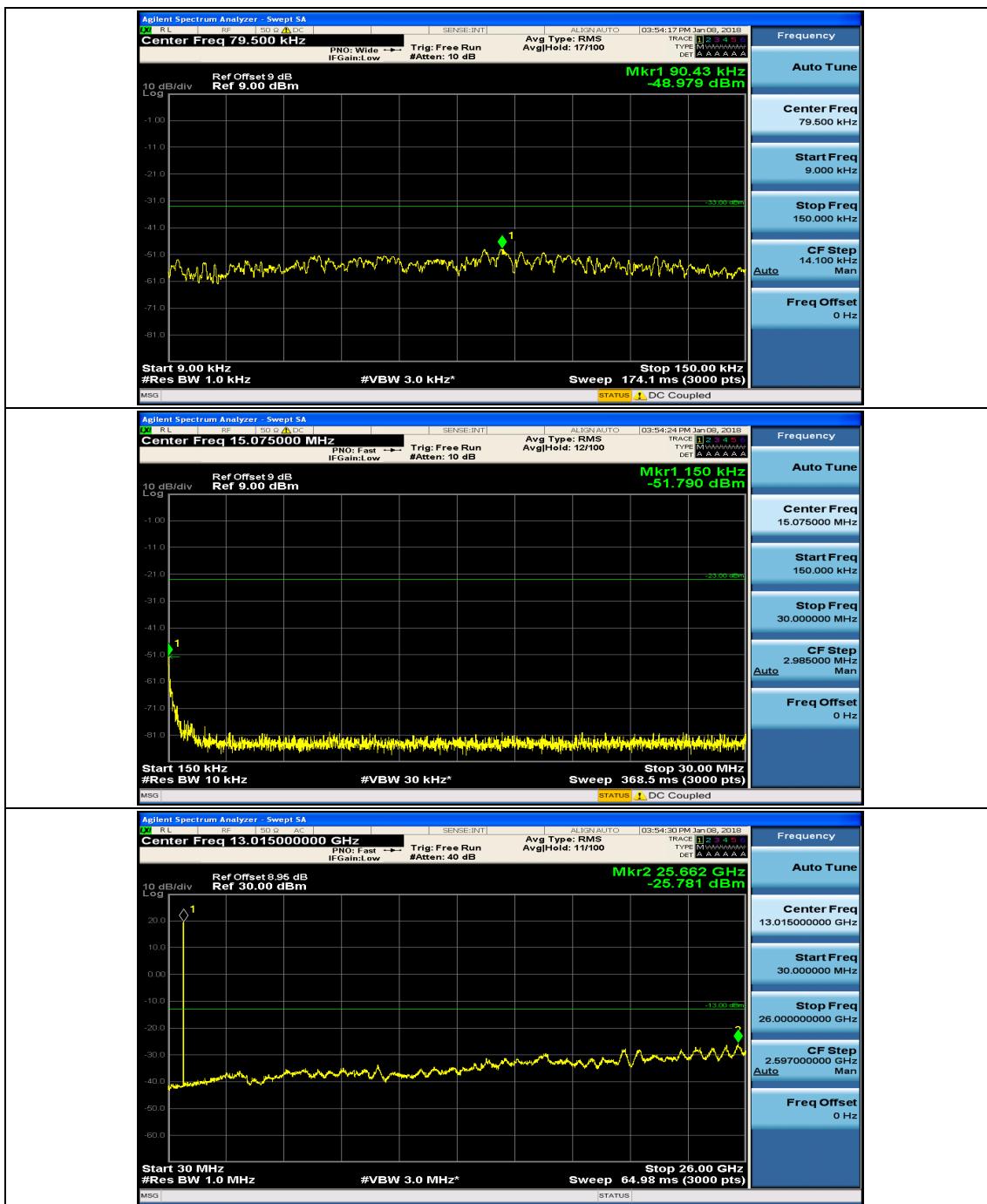


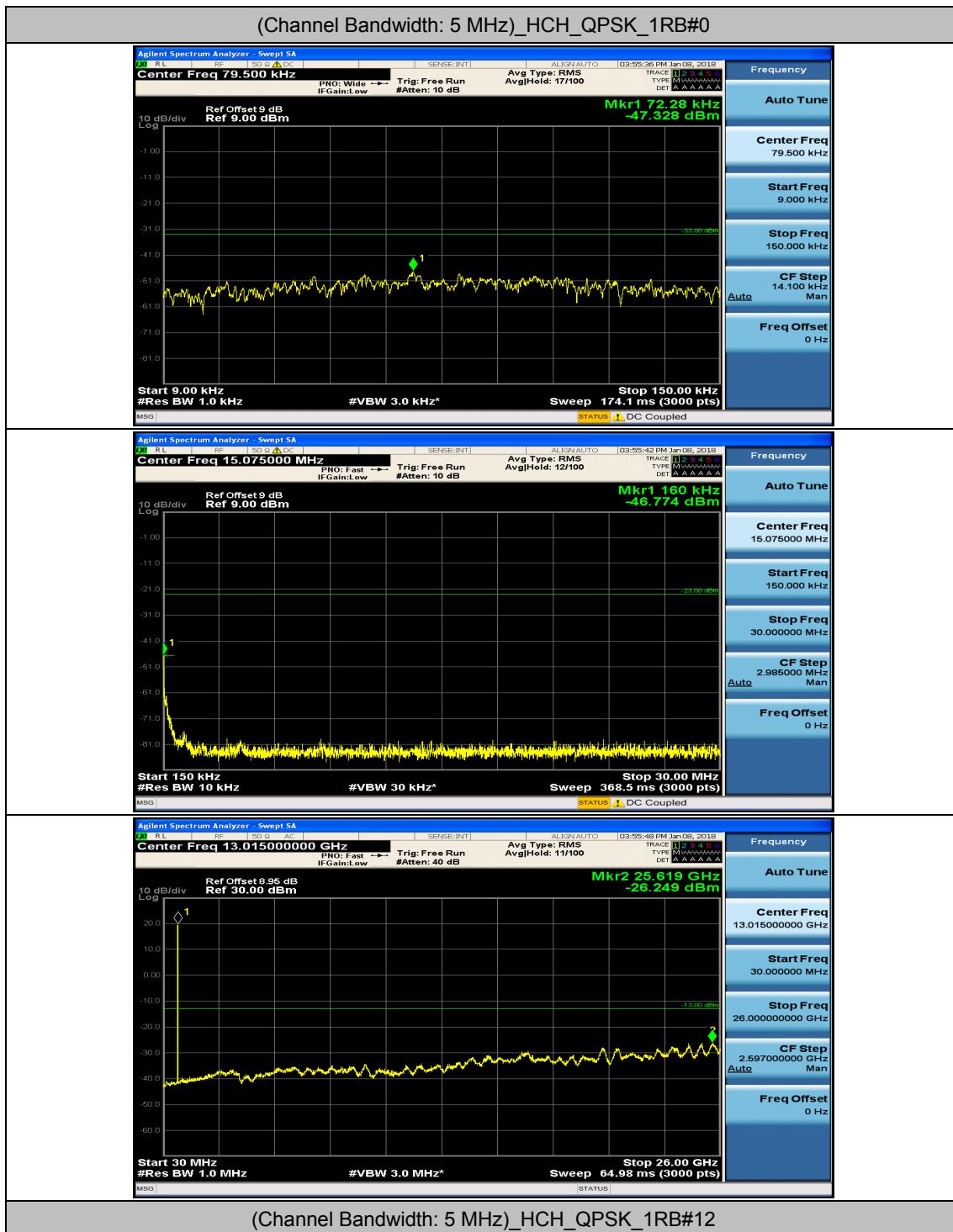


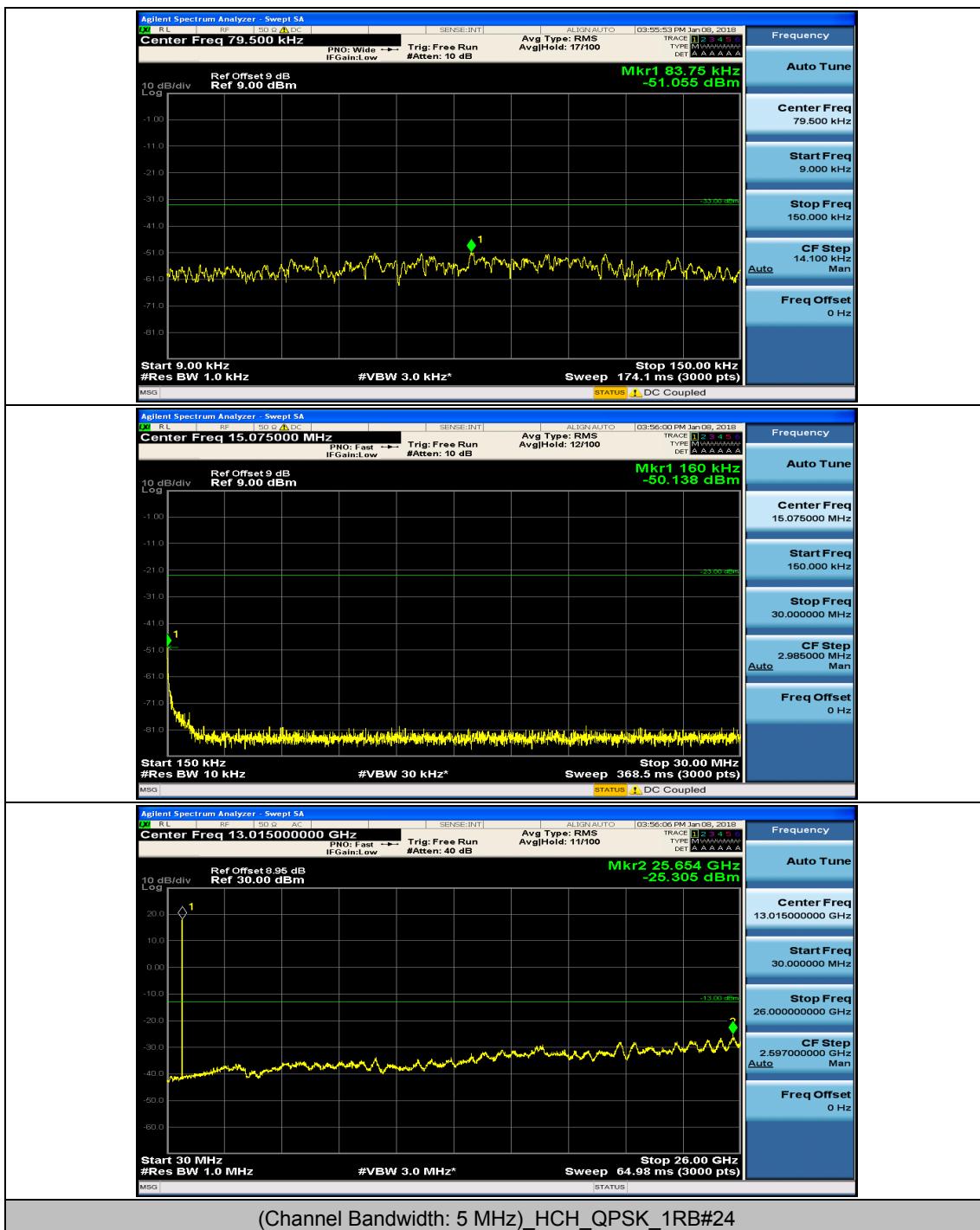


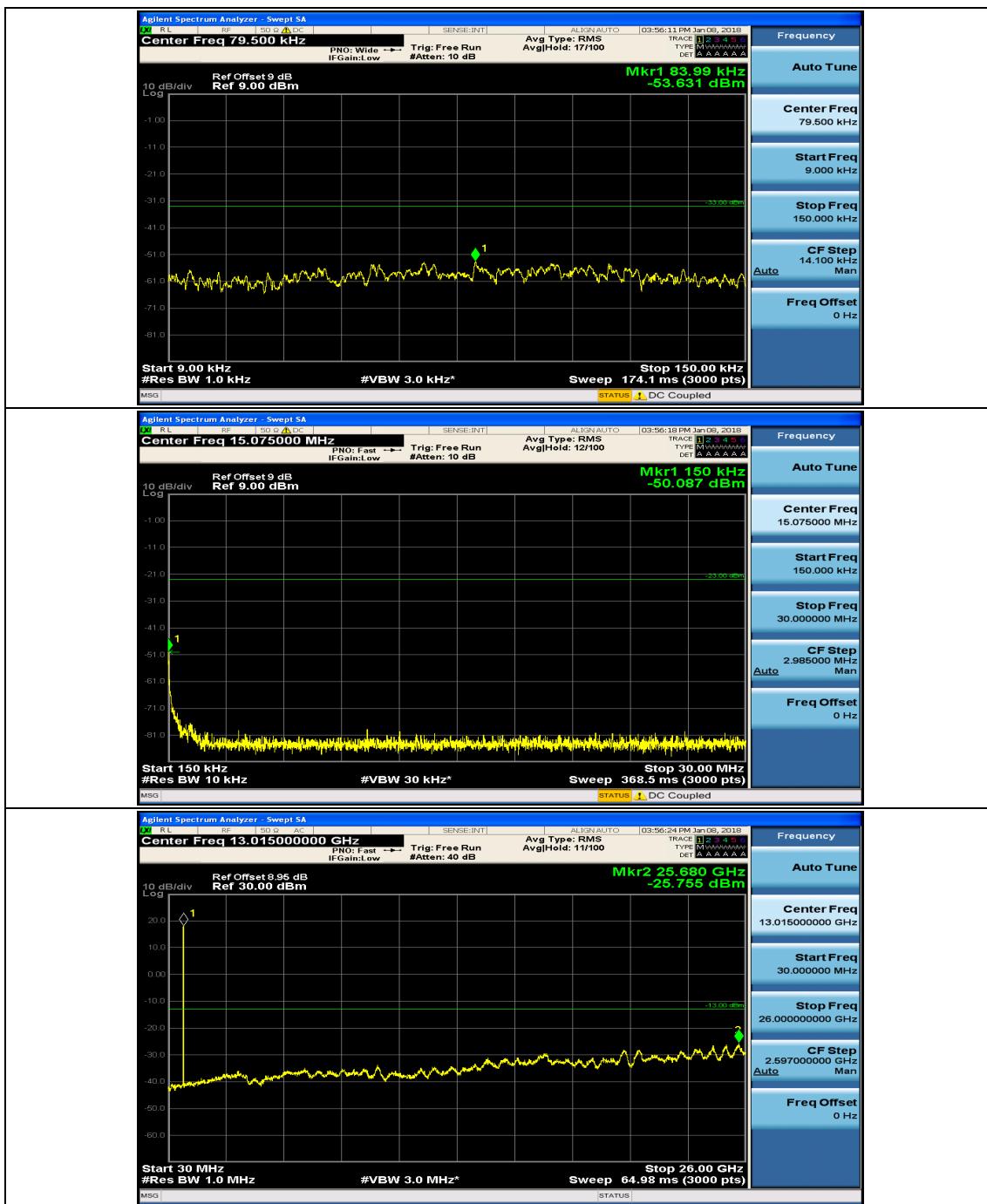


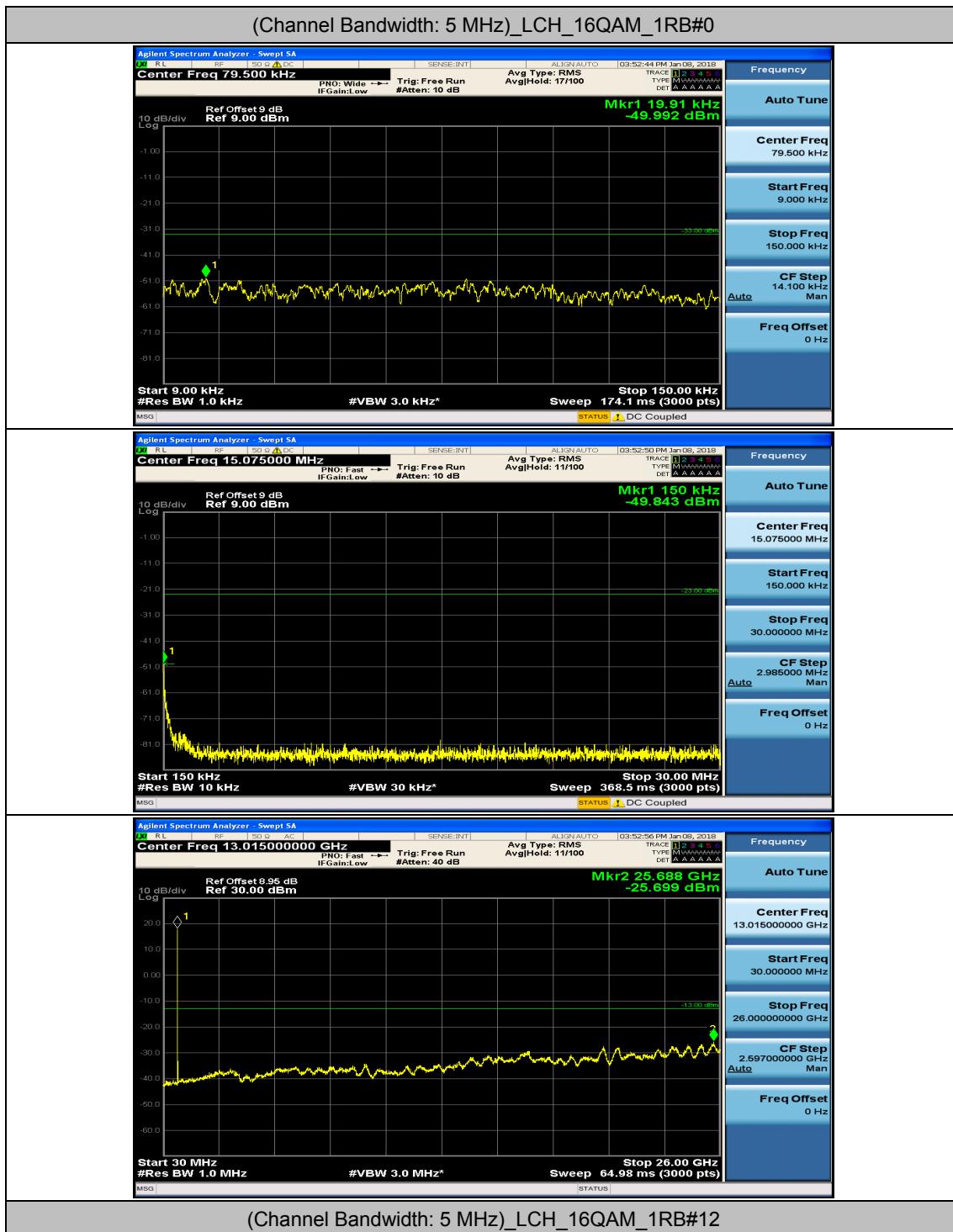


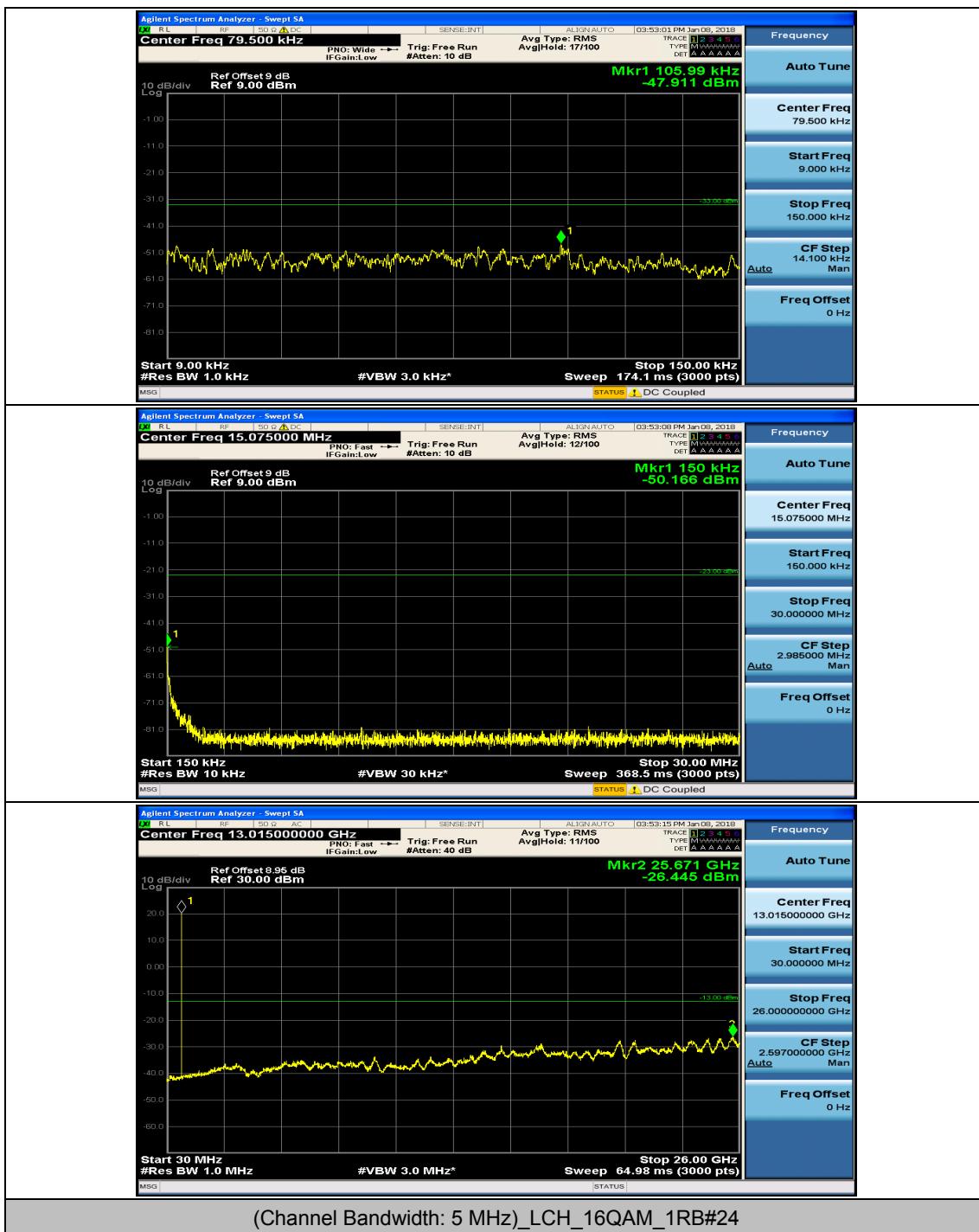


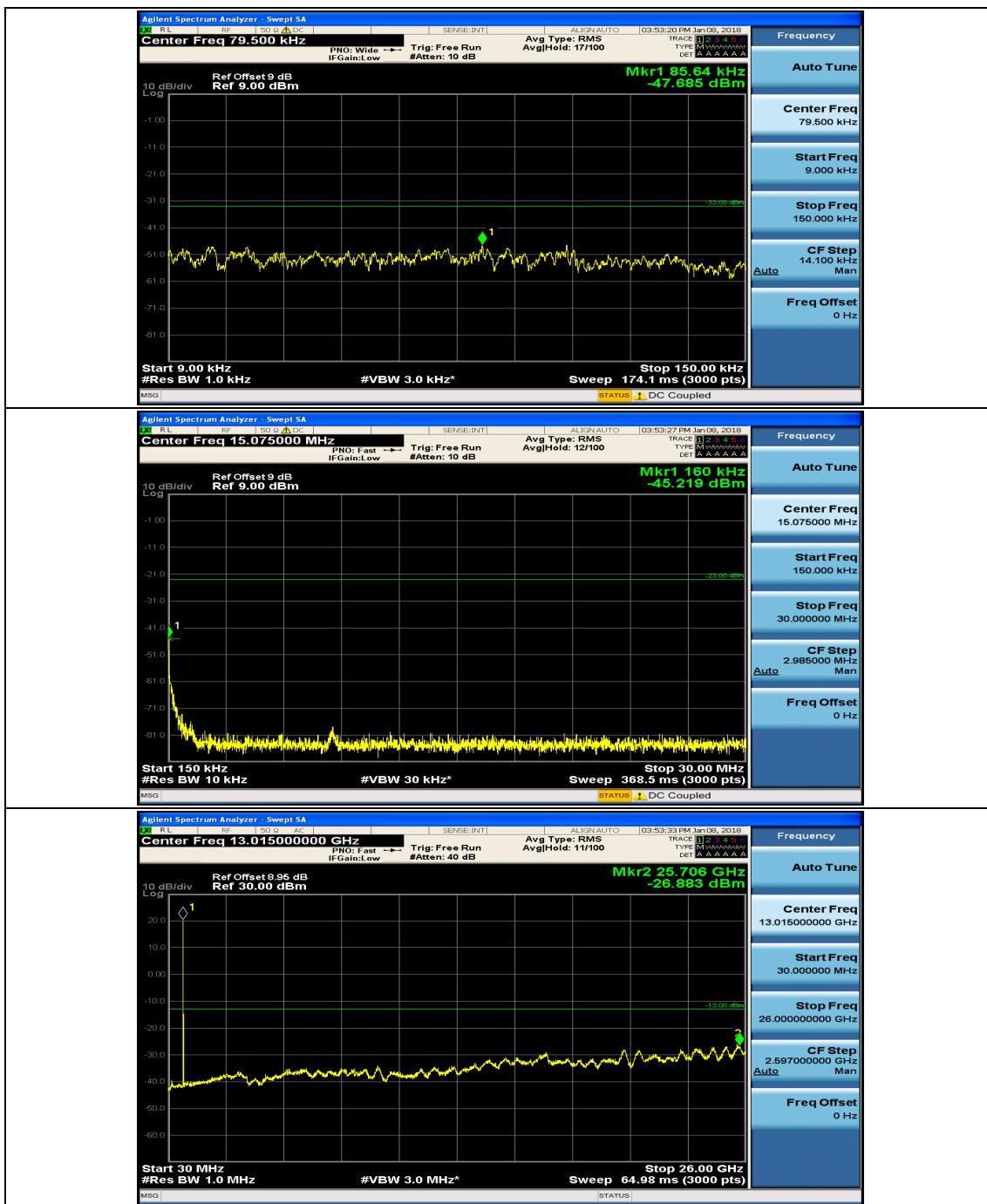


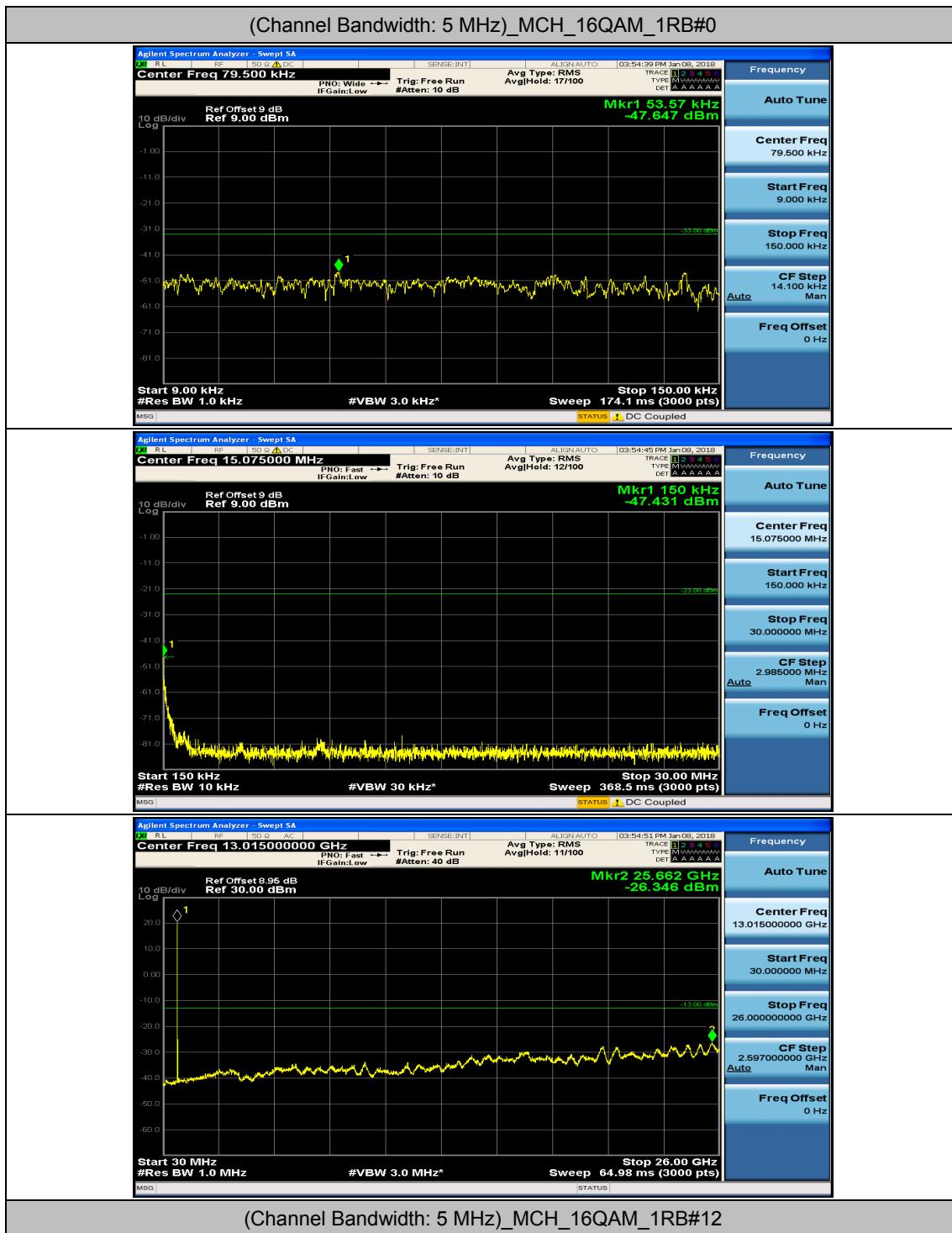


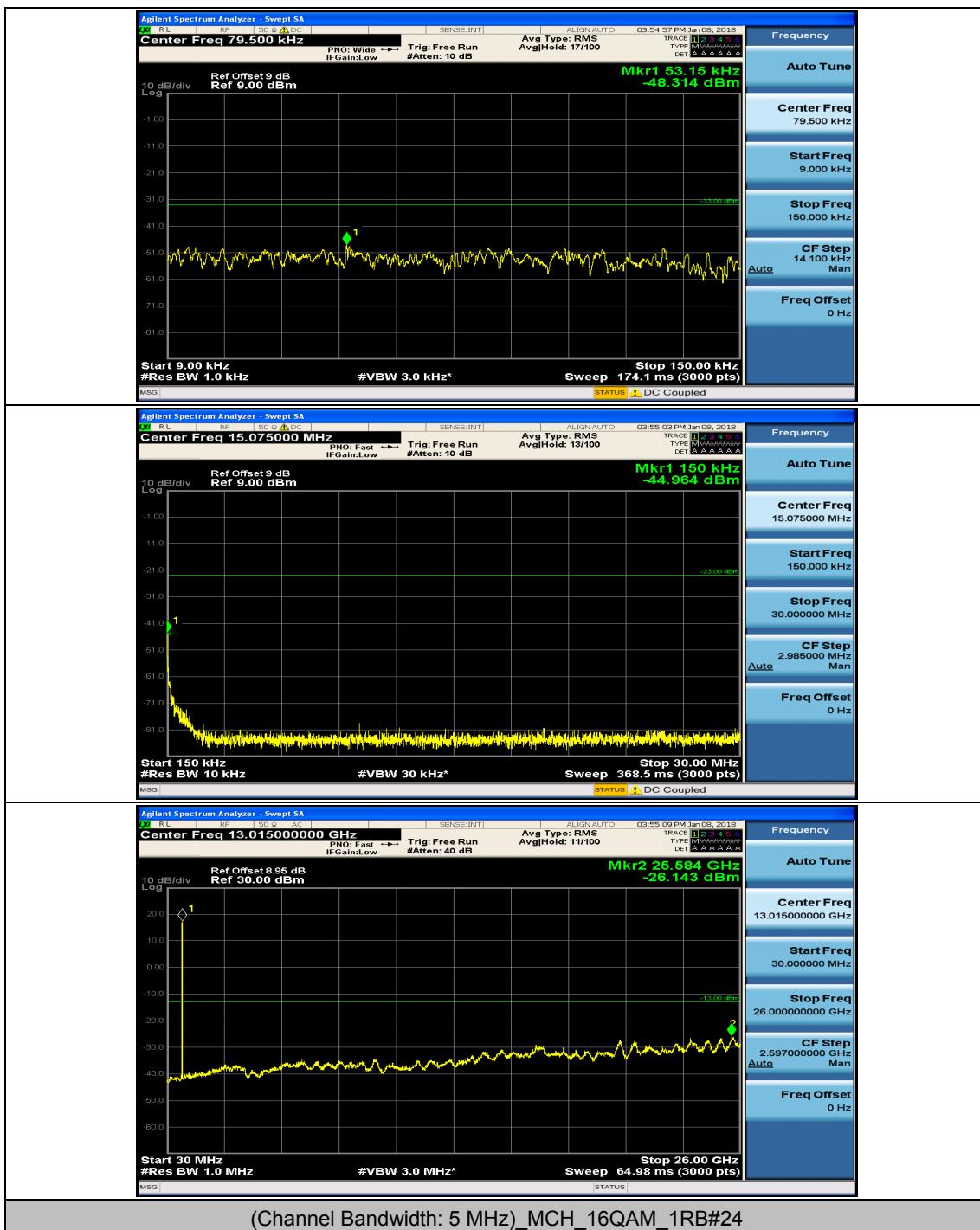


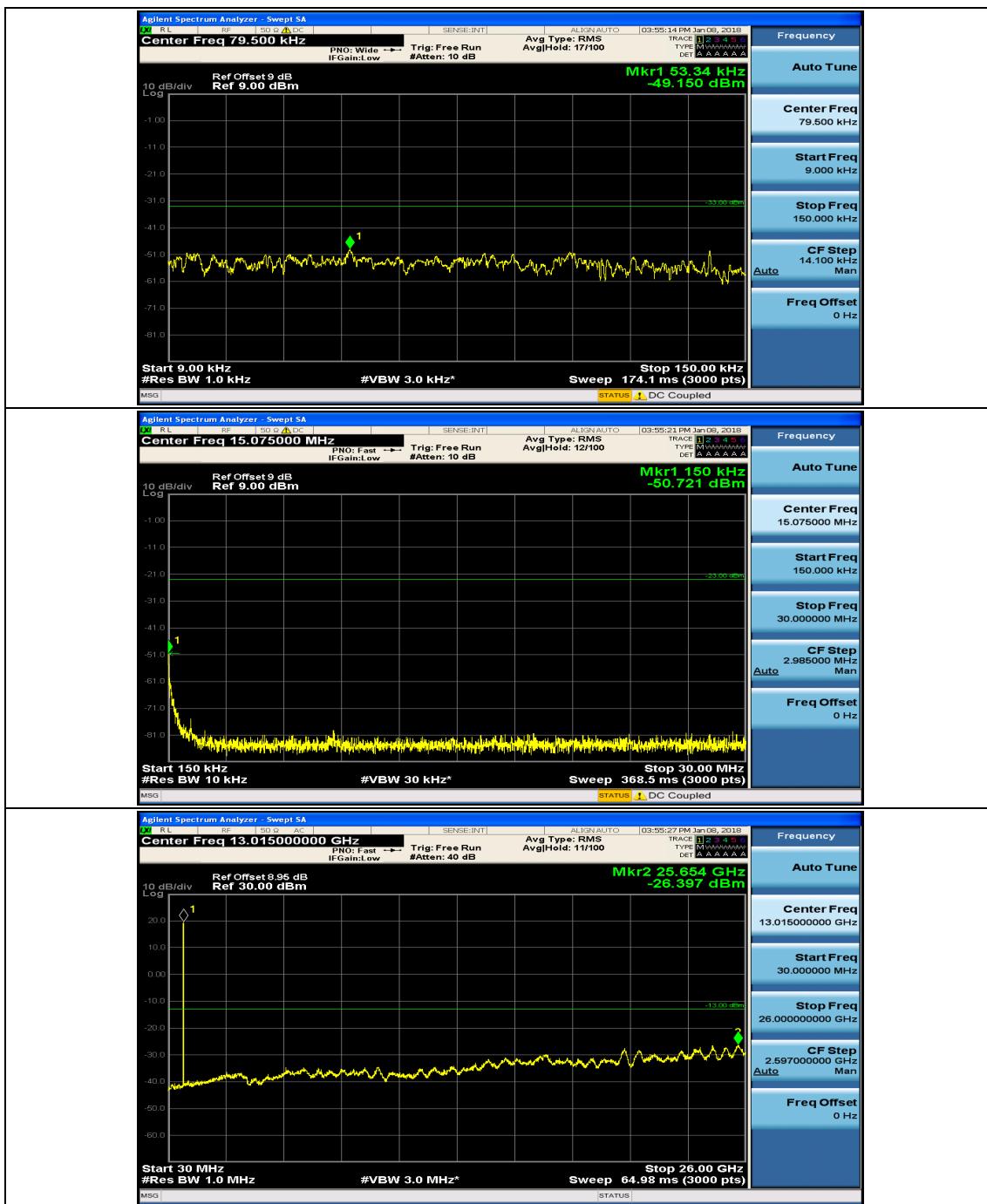




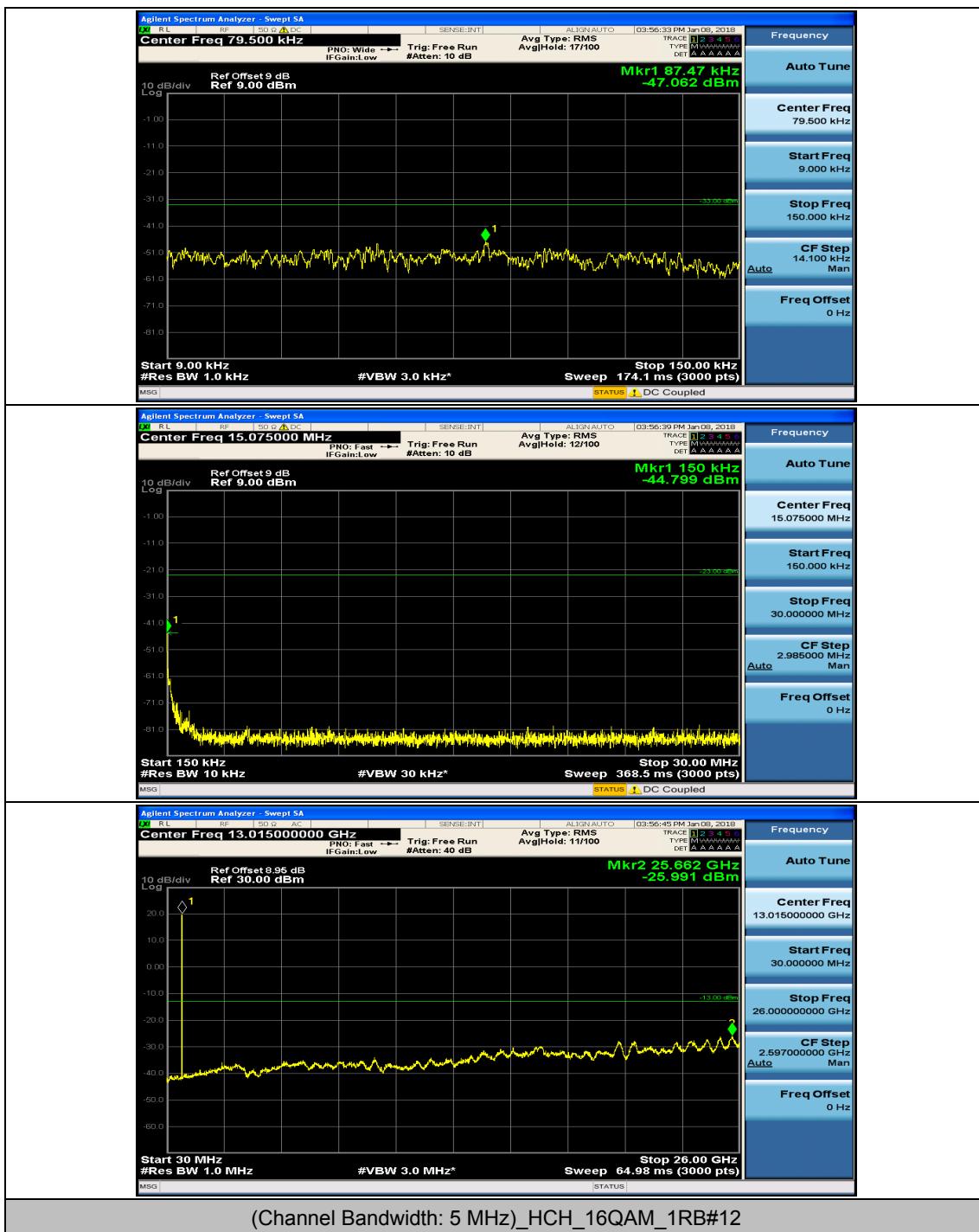


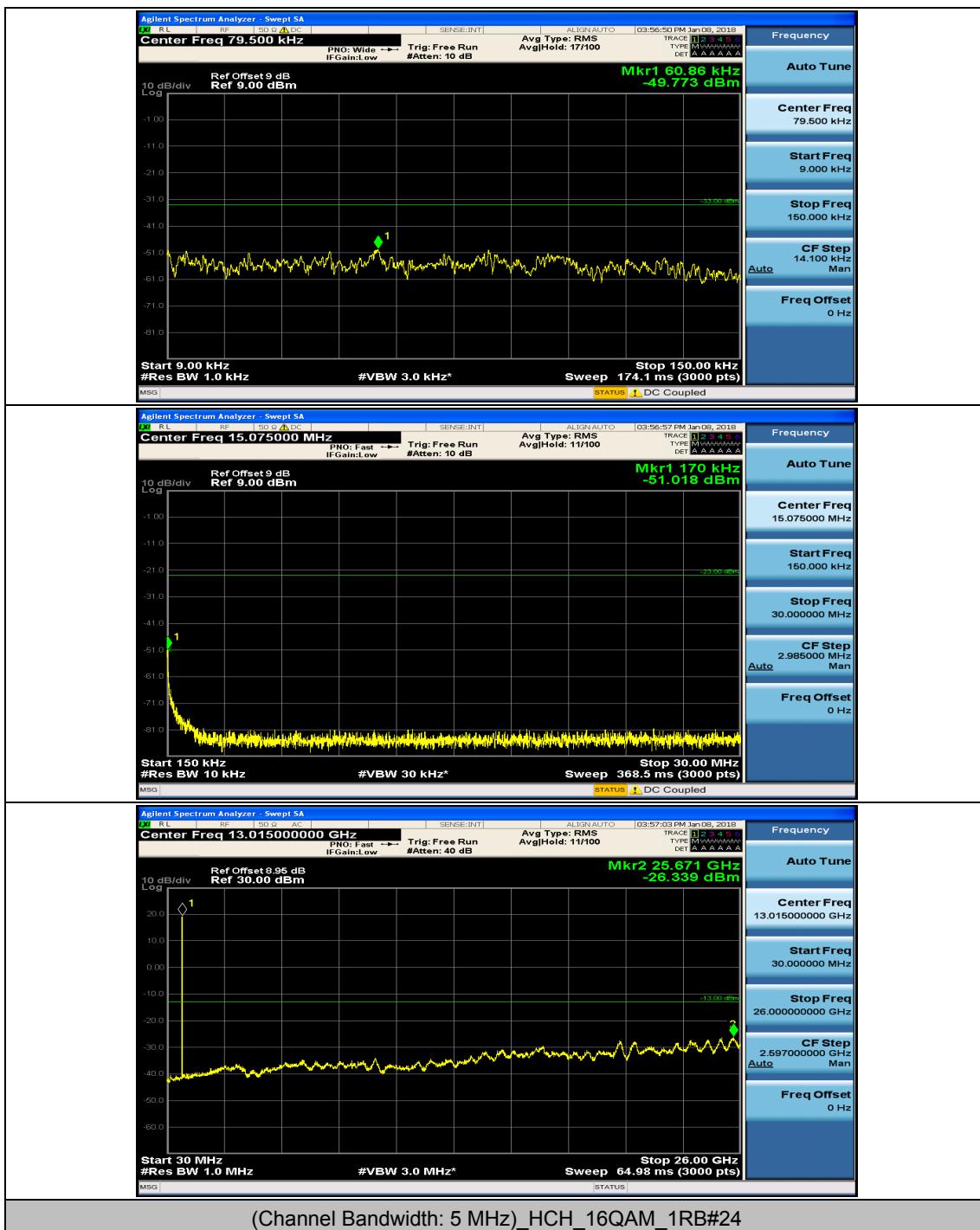


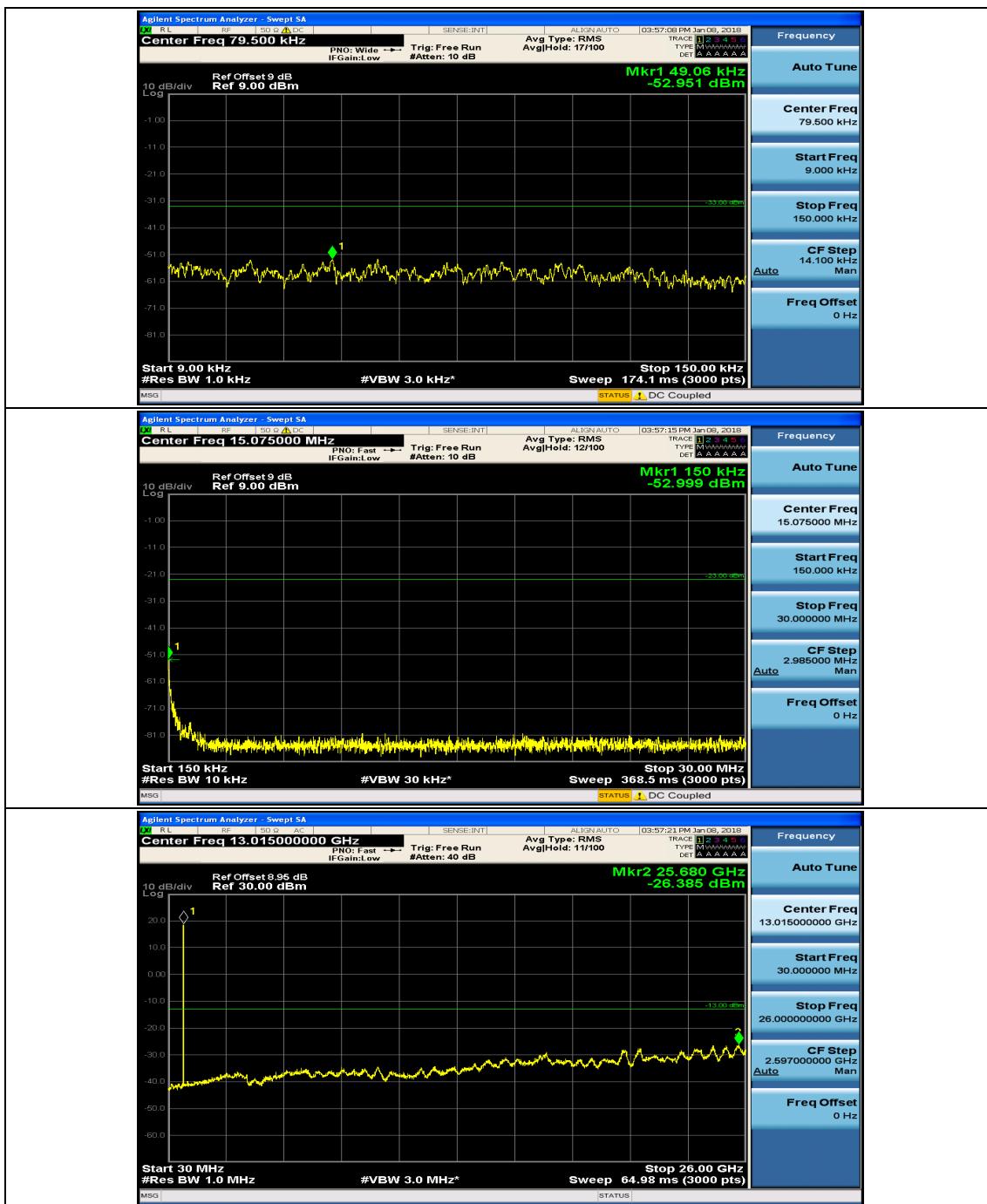




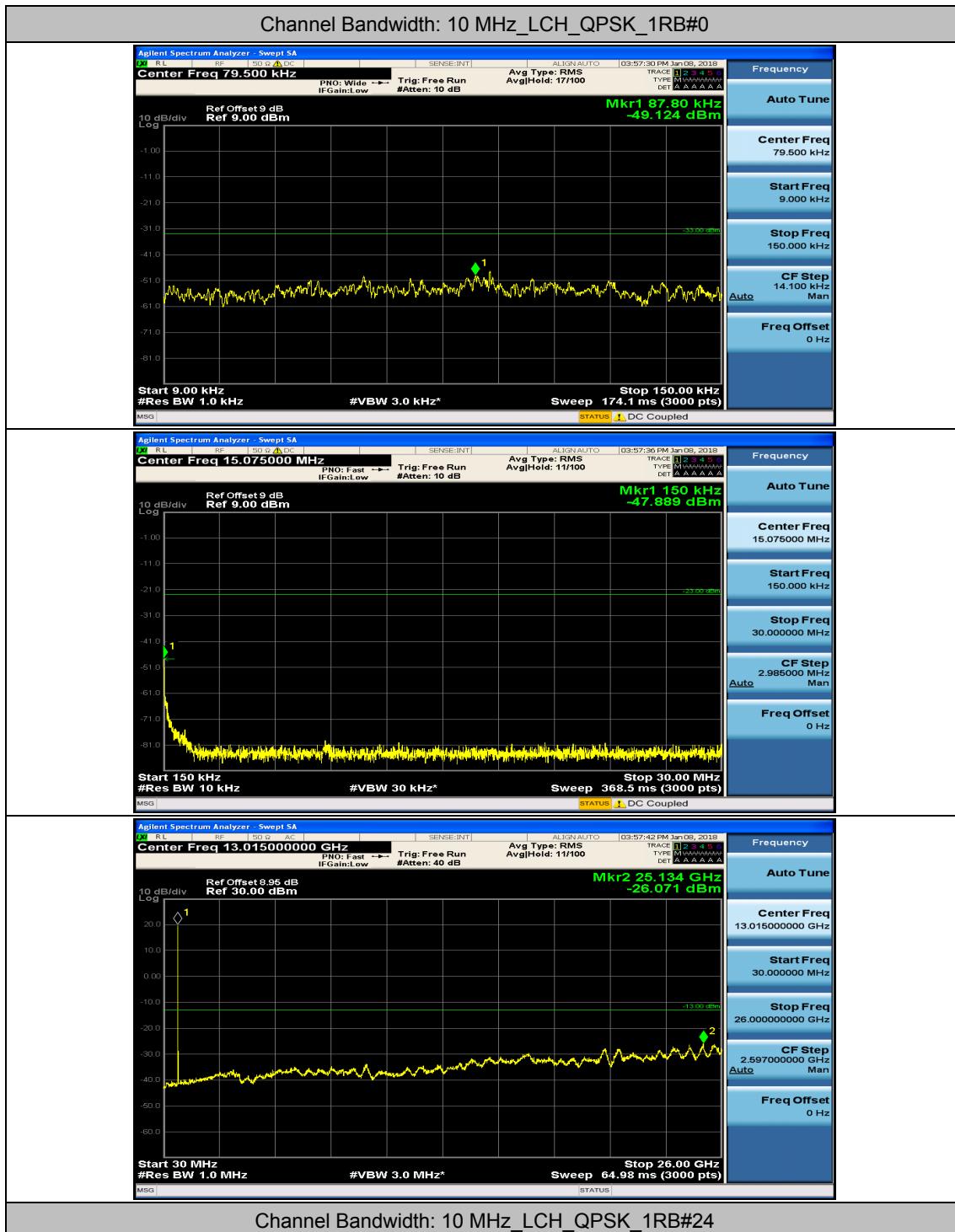
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#0

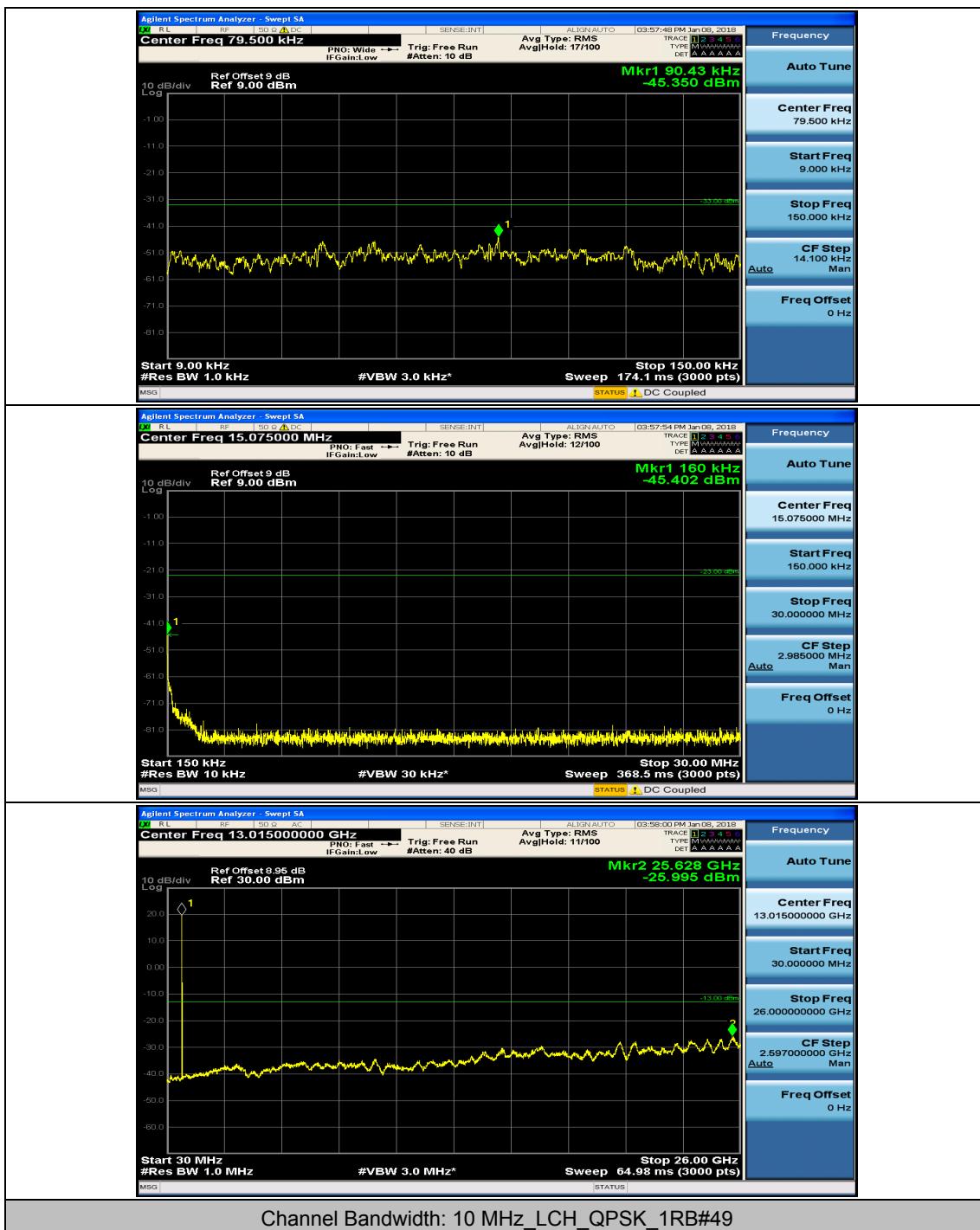


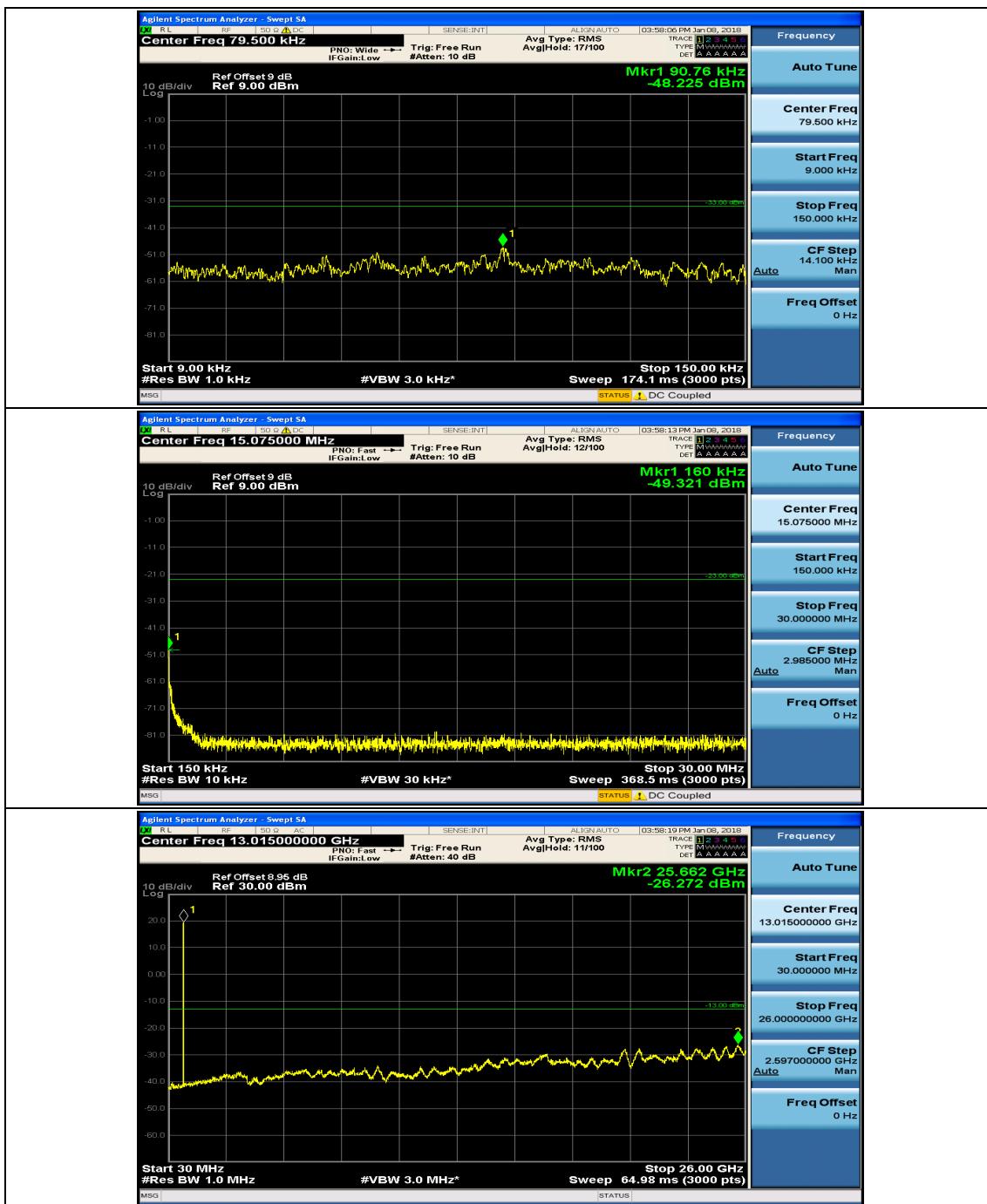


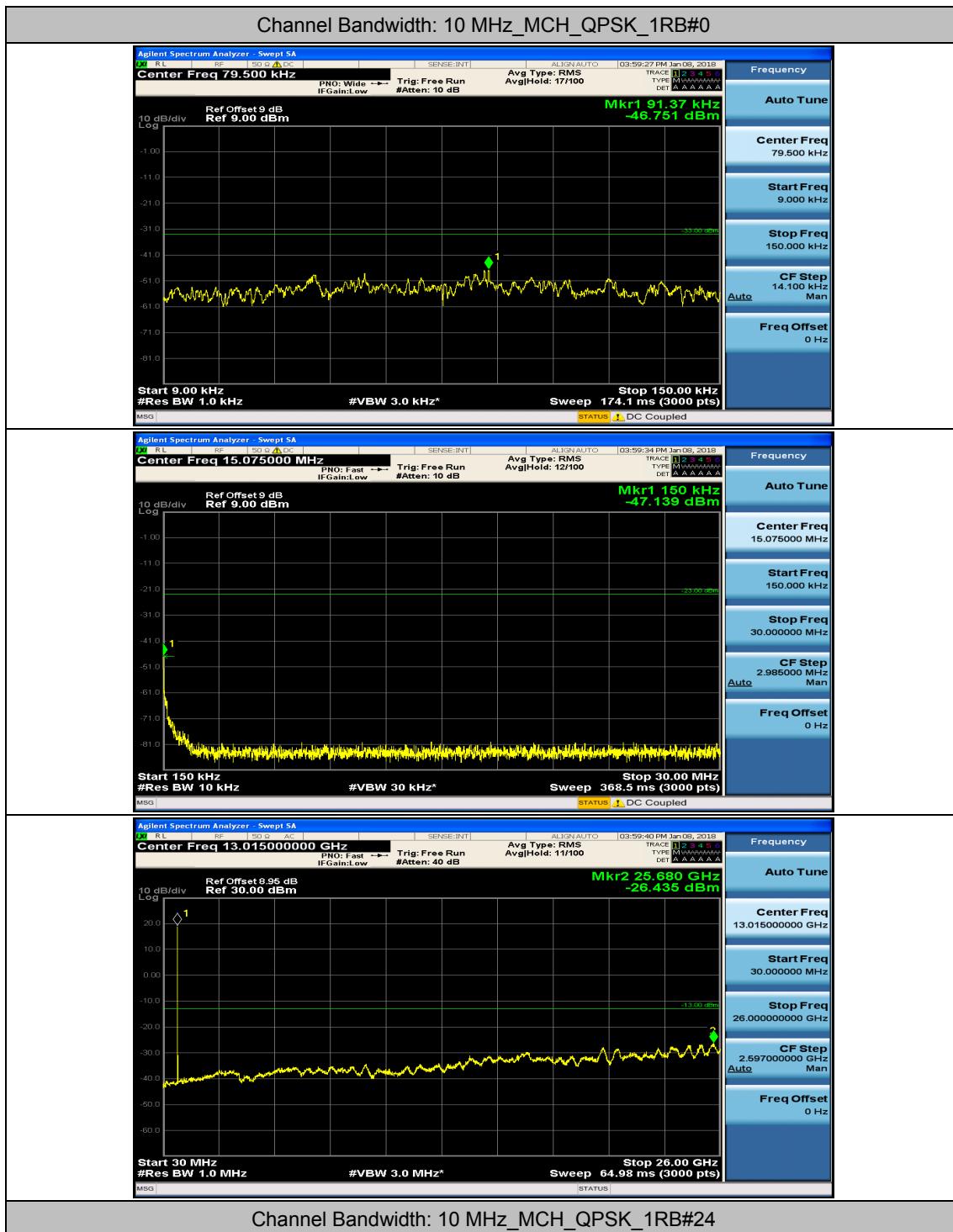


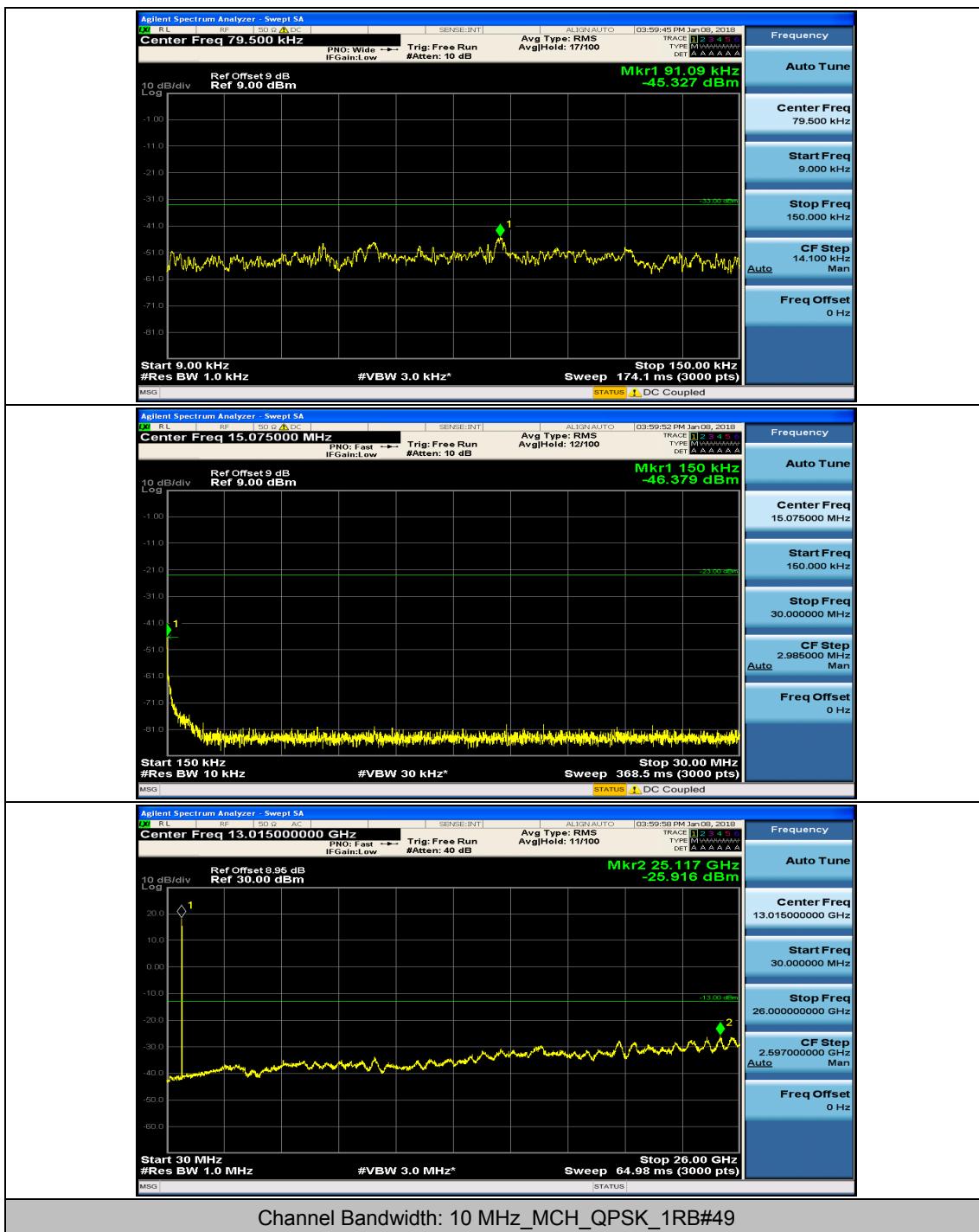
## Channel Bandwidth: 10 MHz

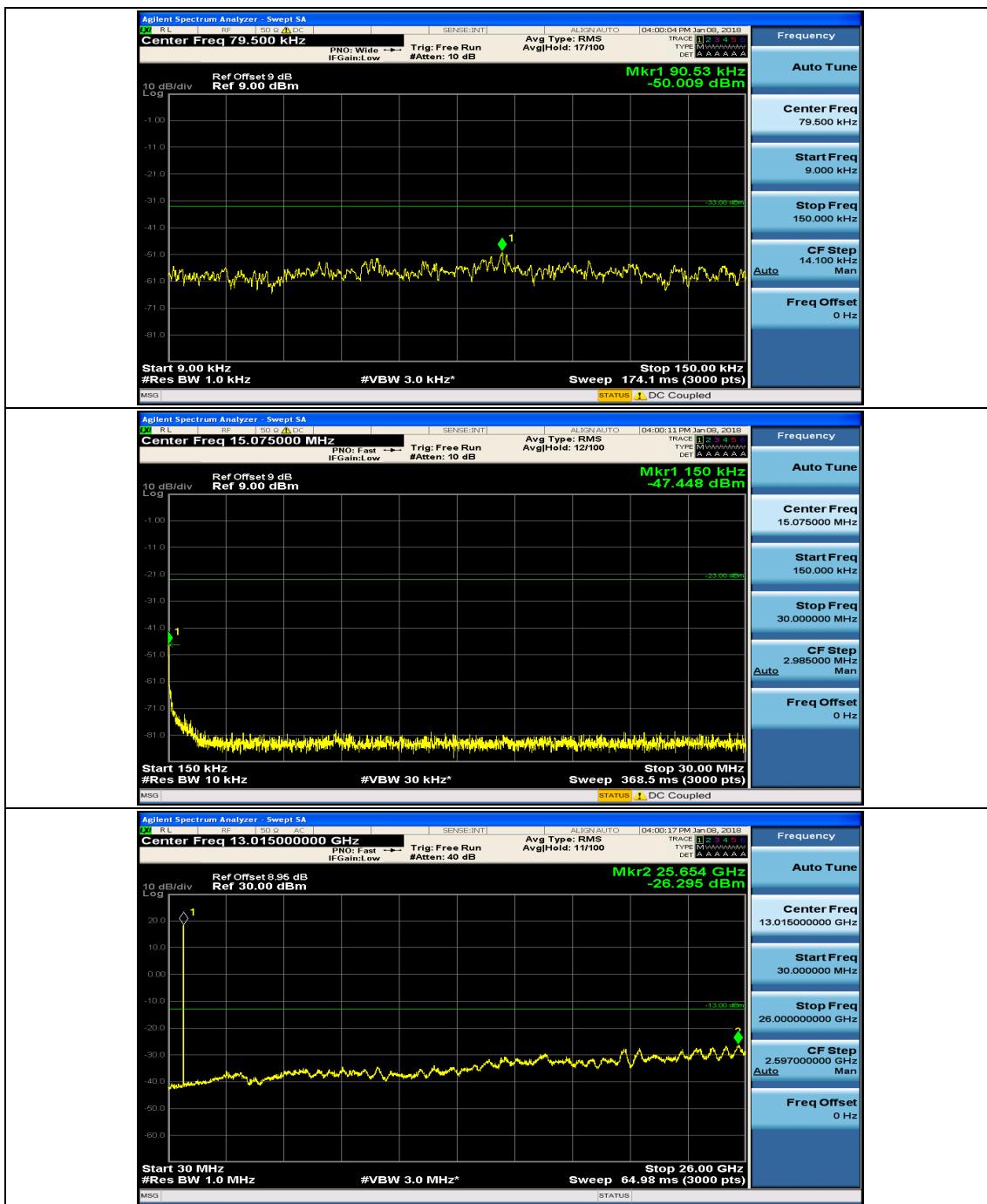


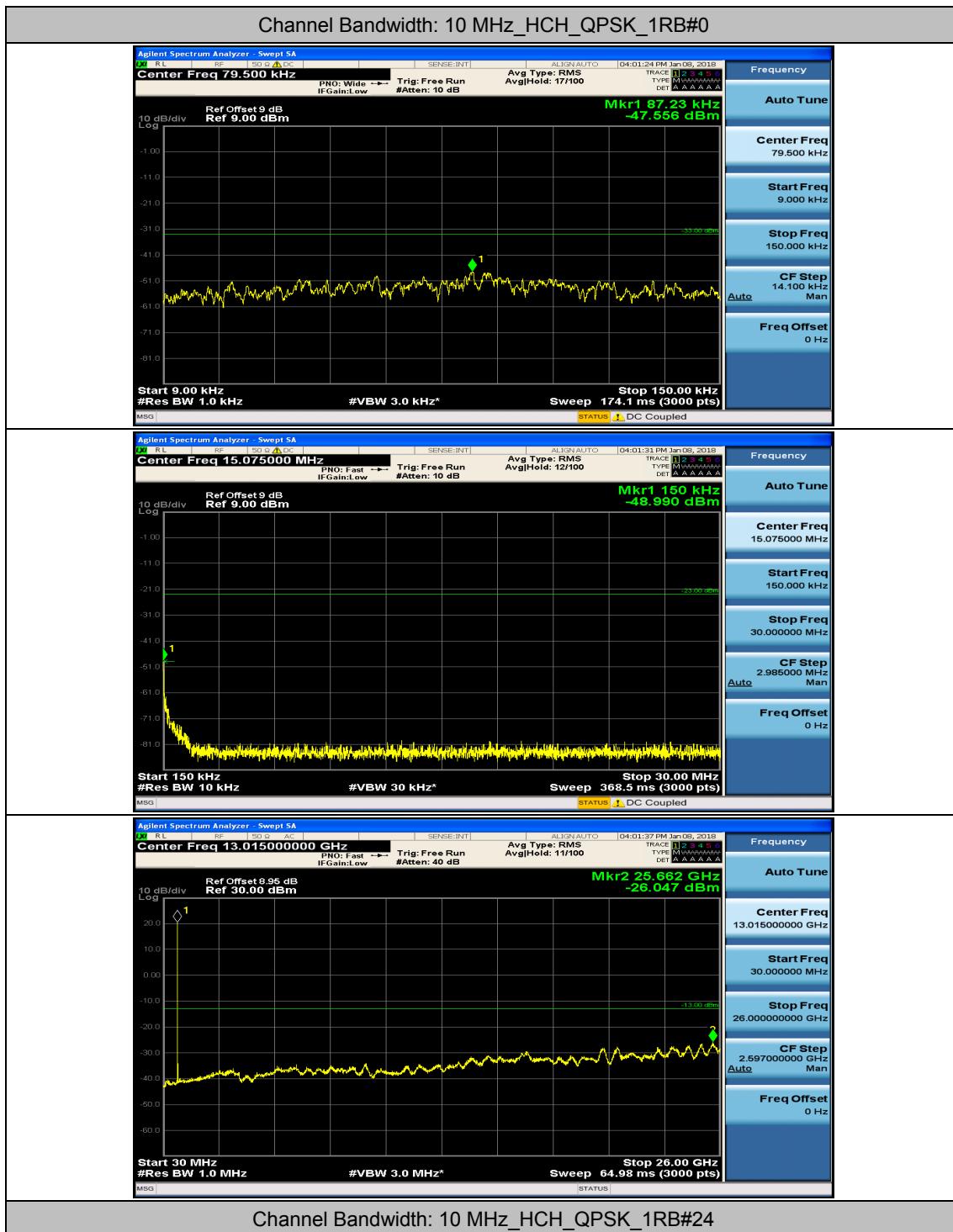


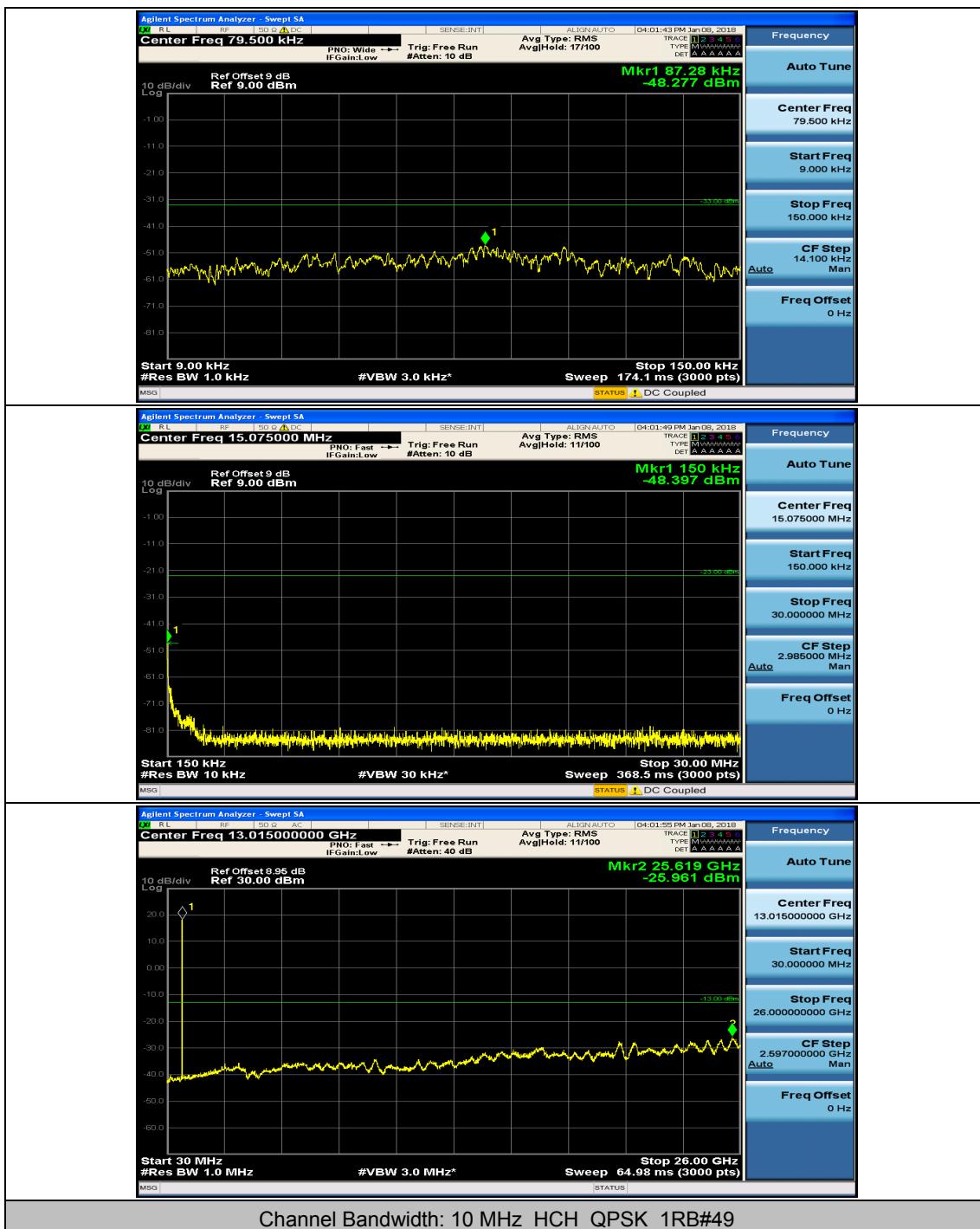


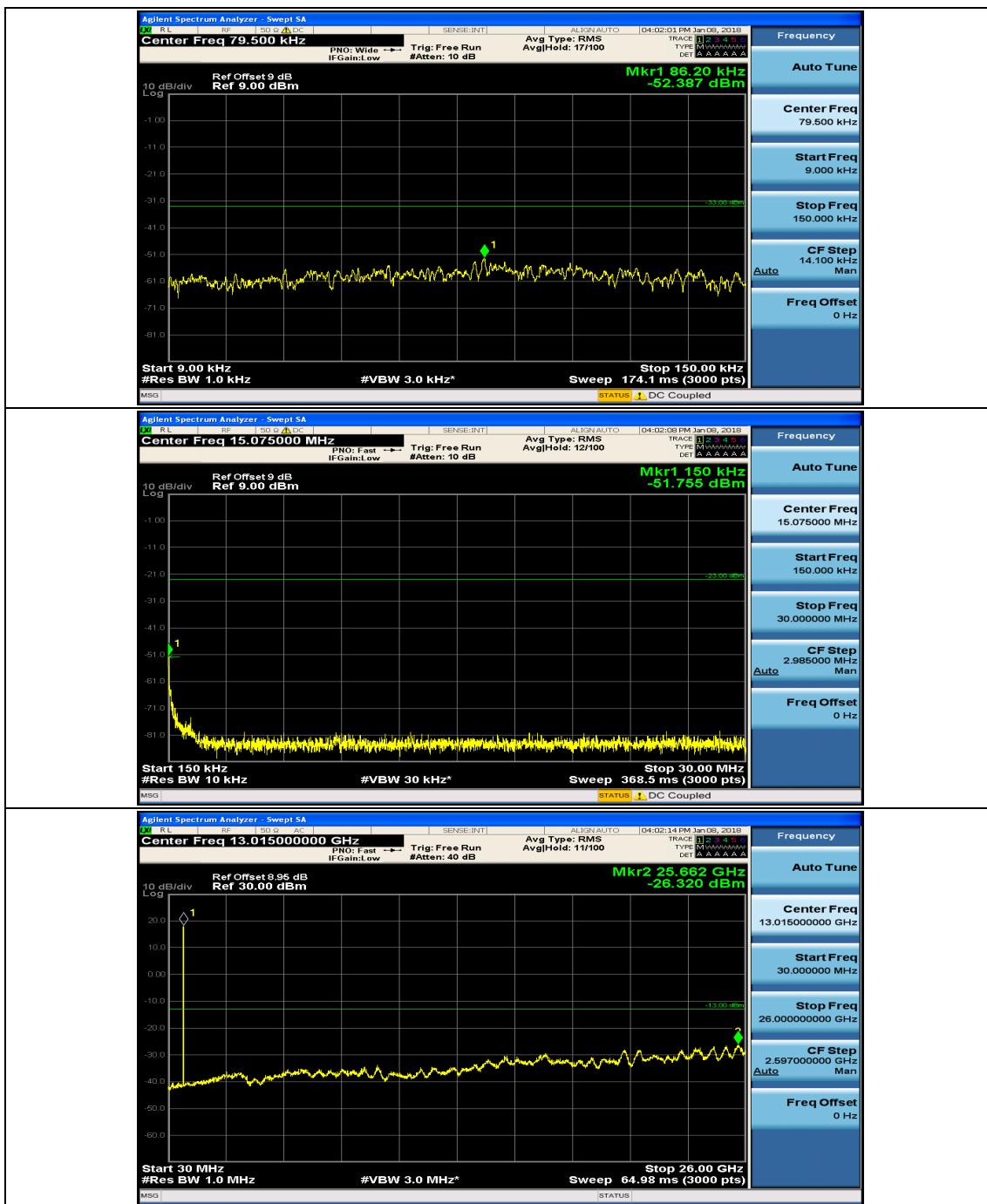


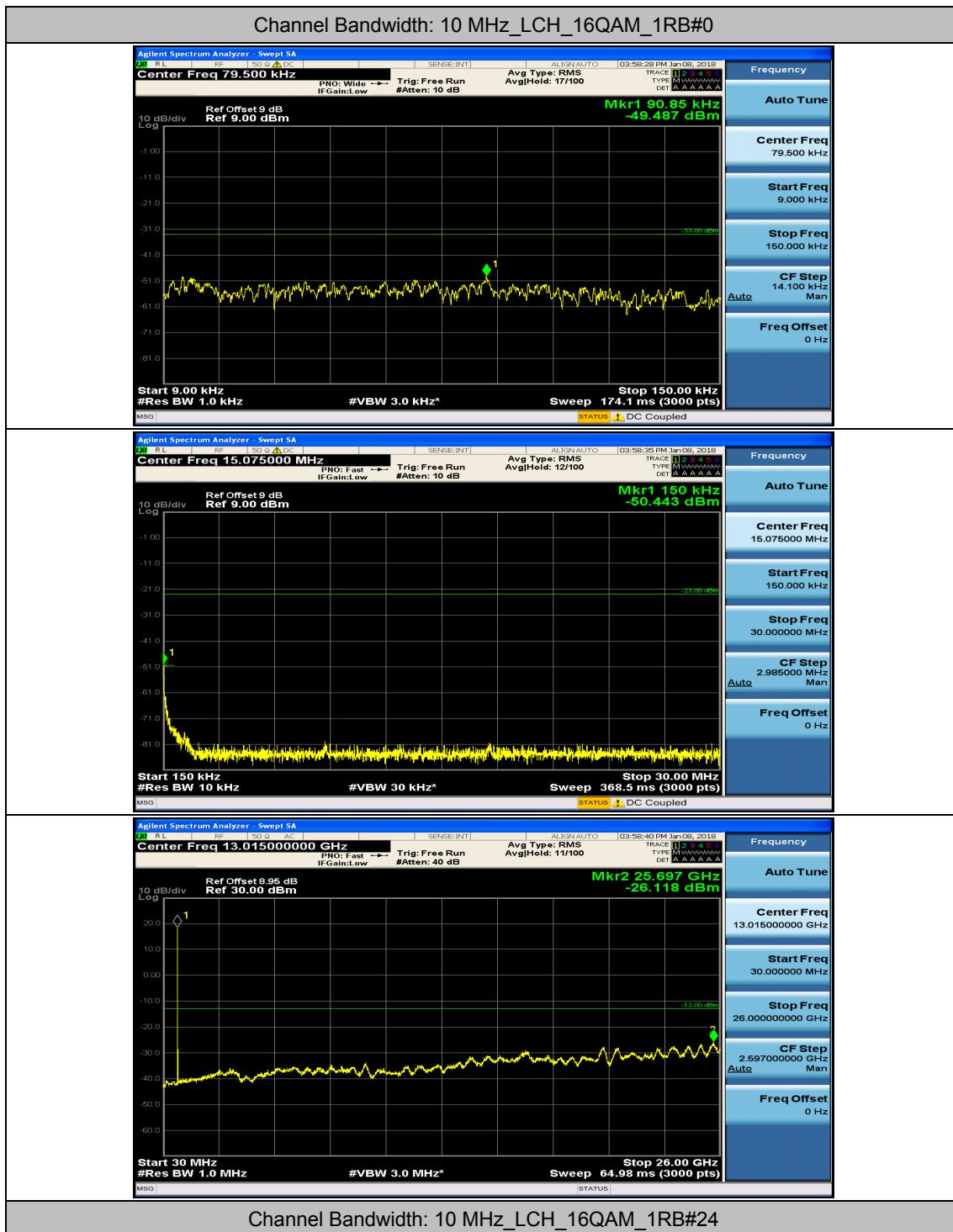


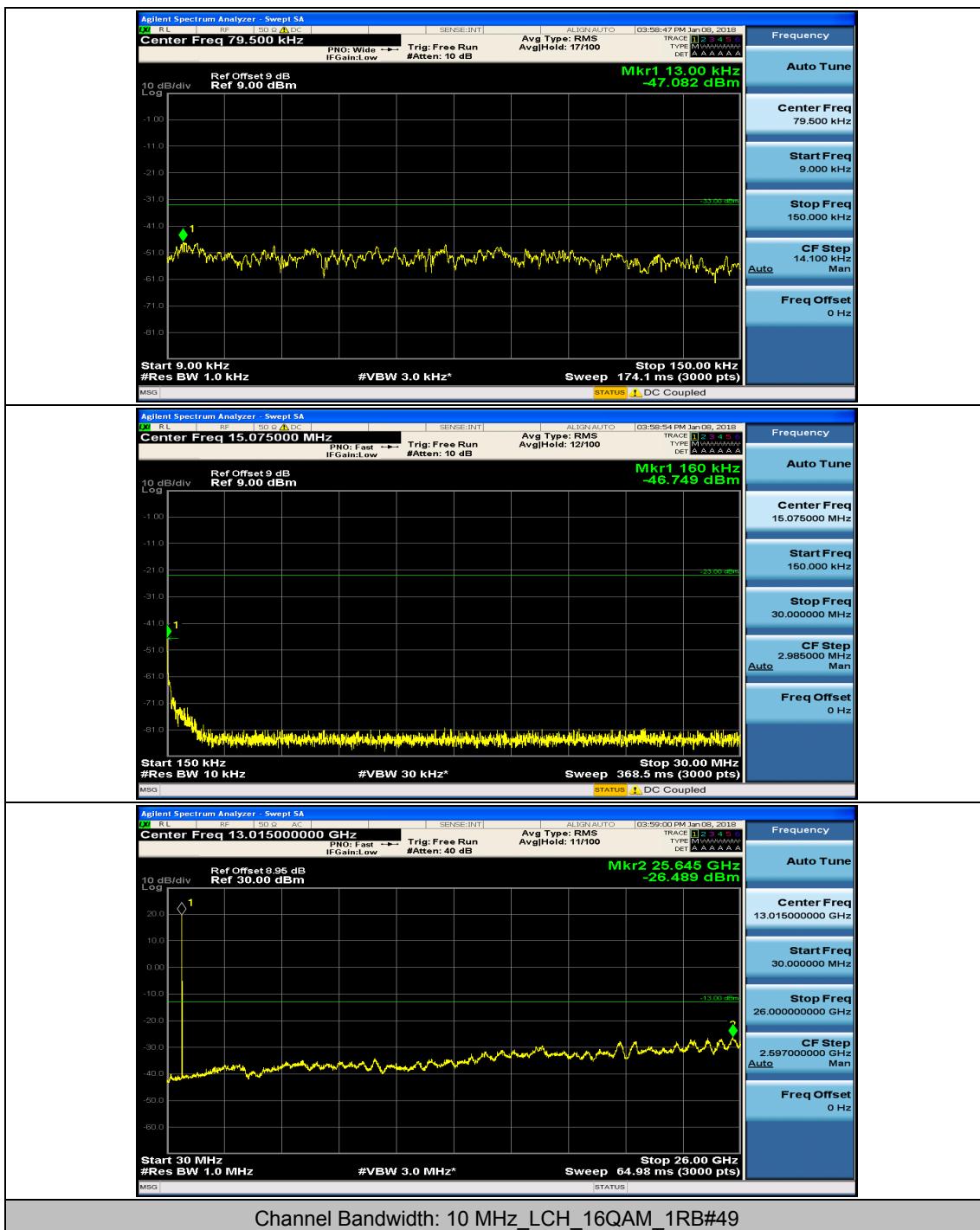


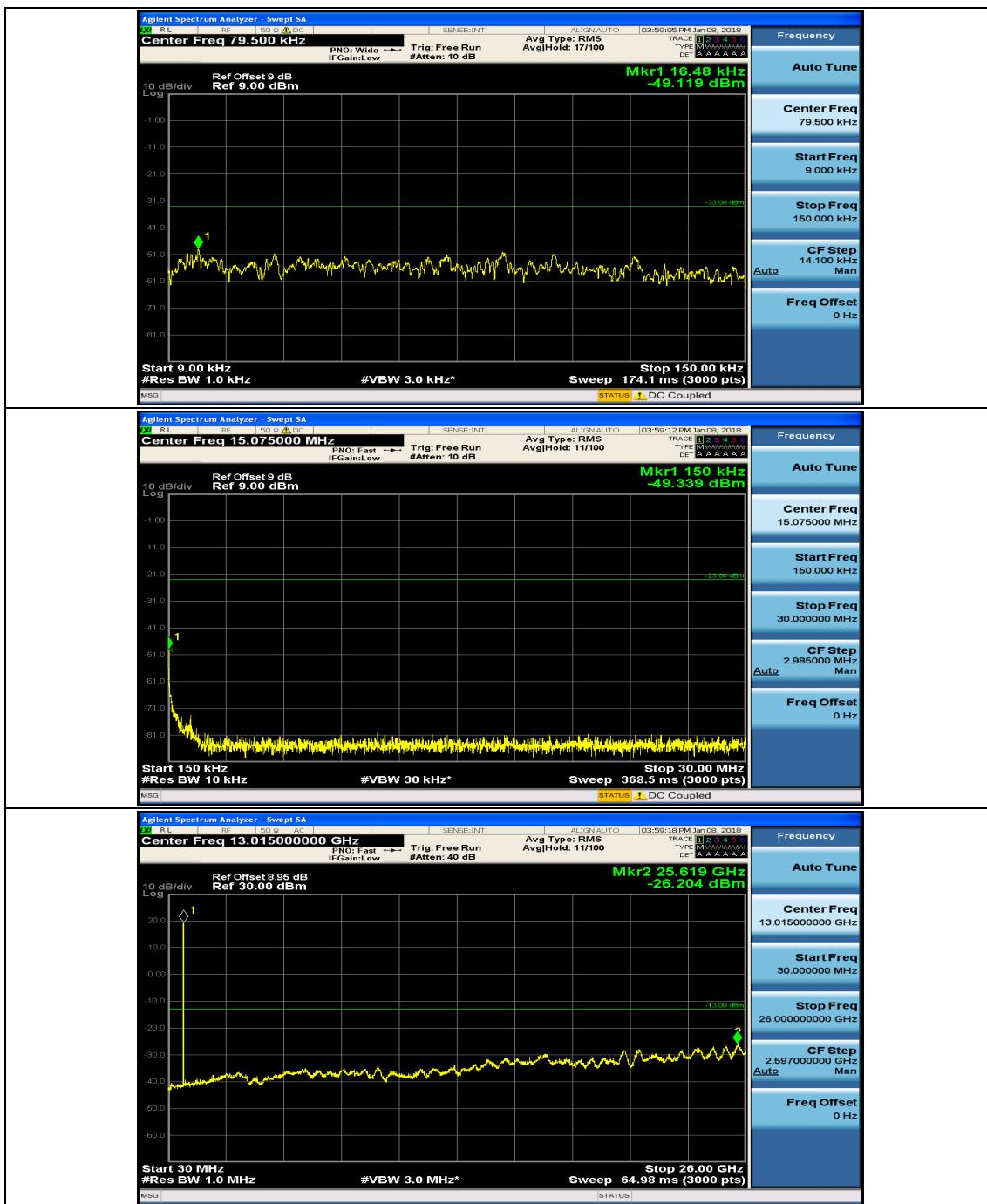


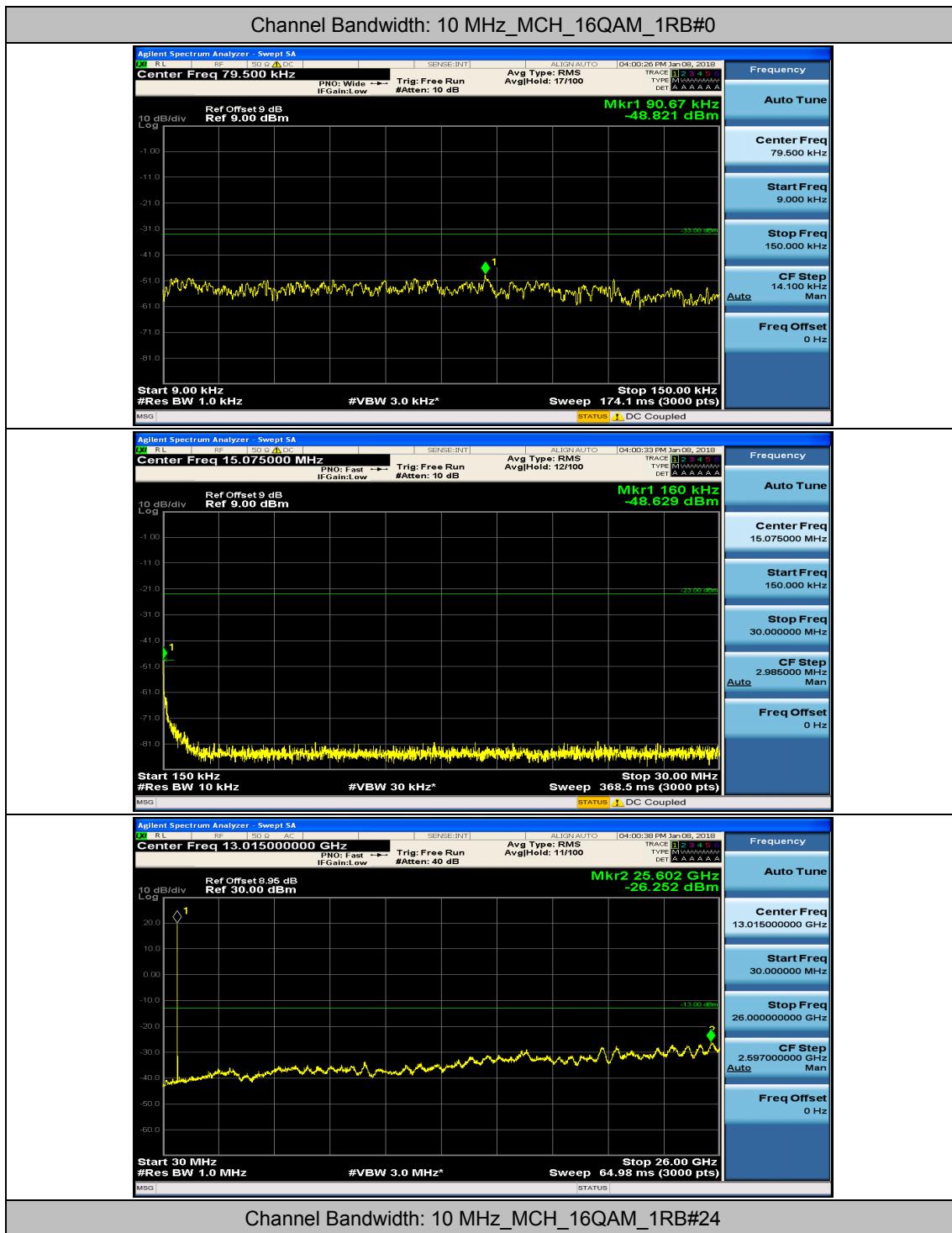


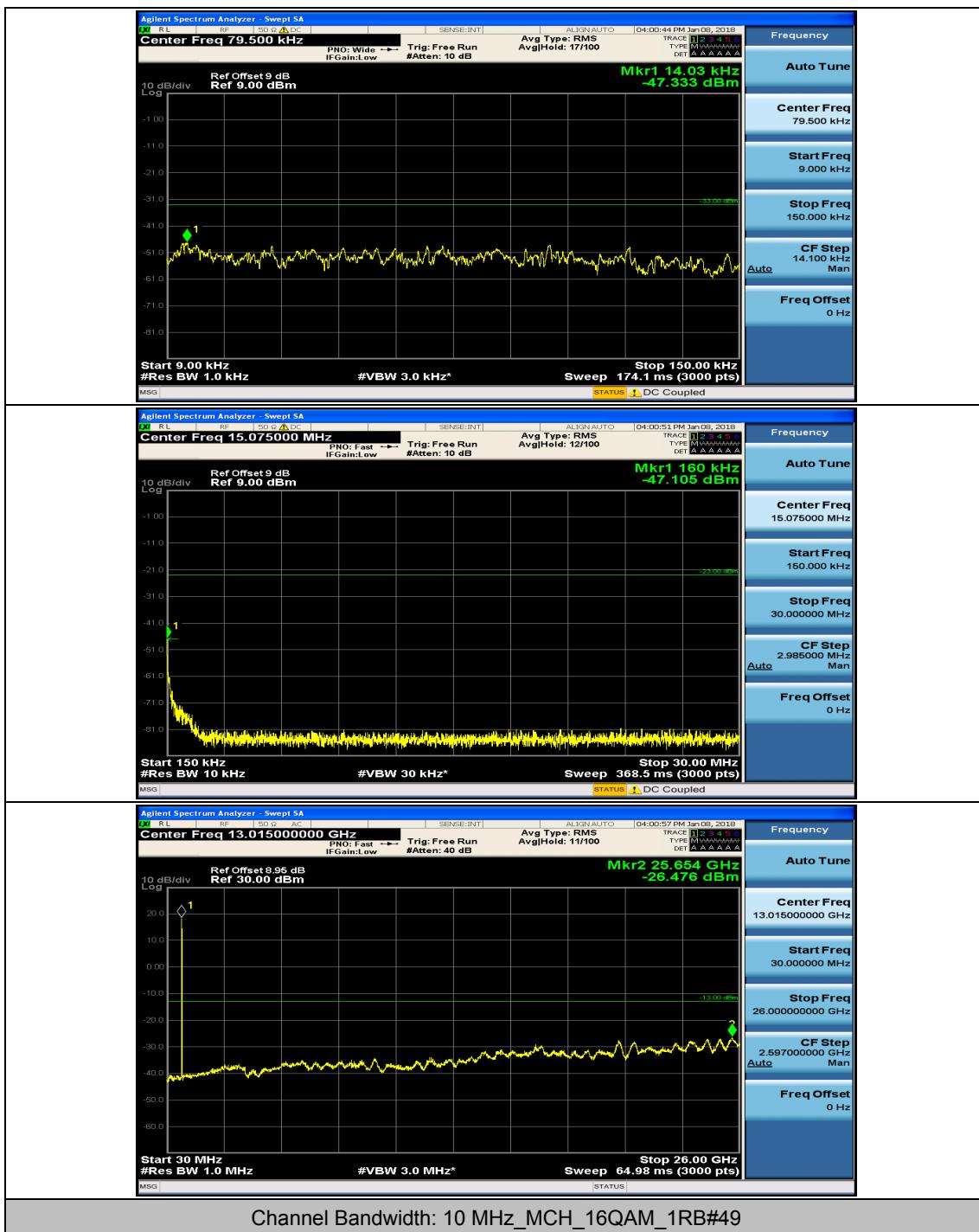


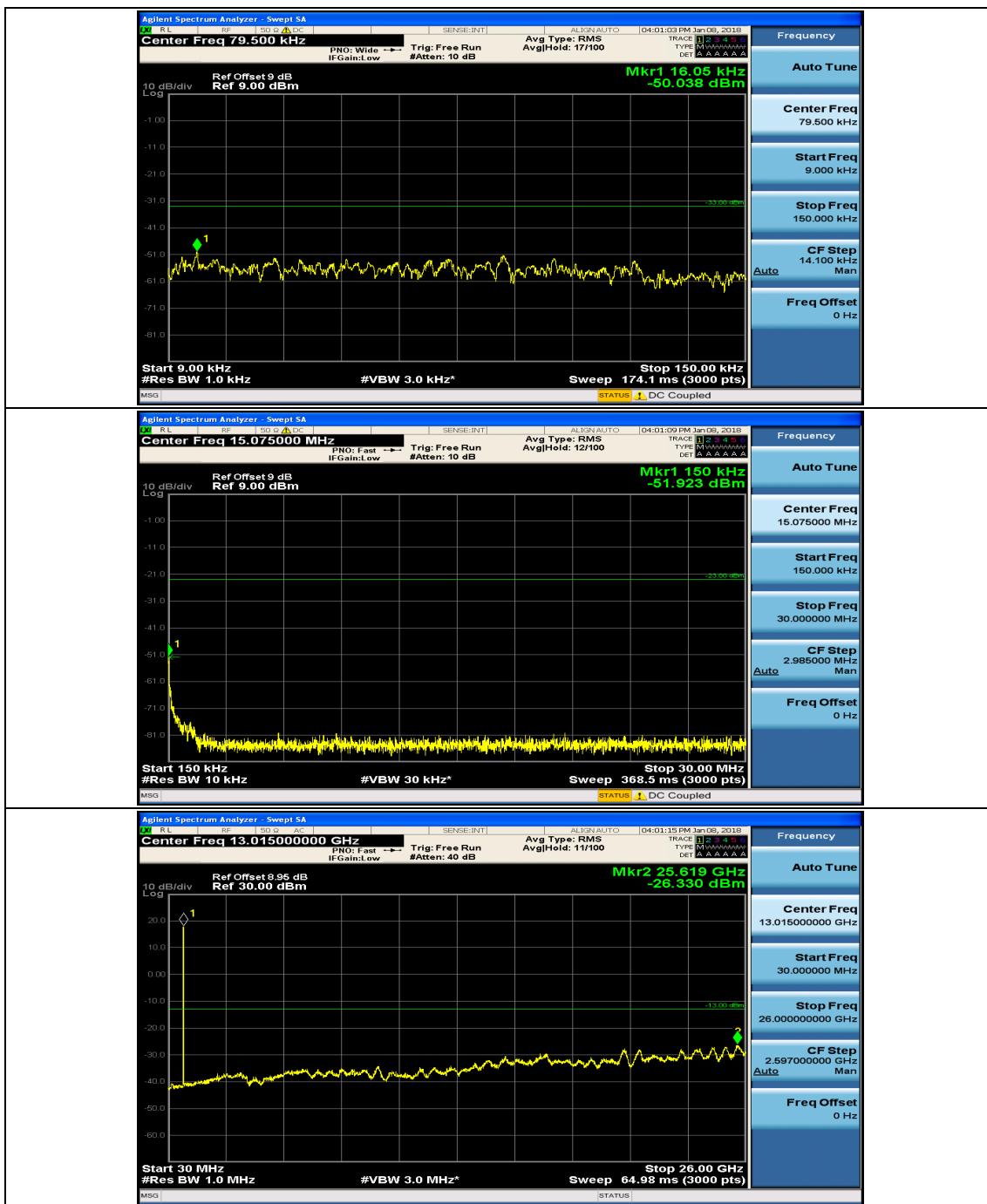


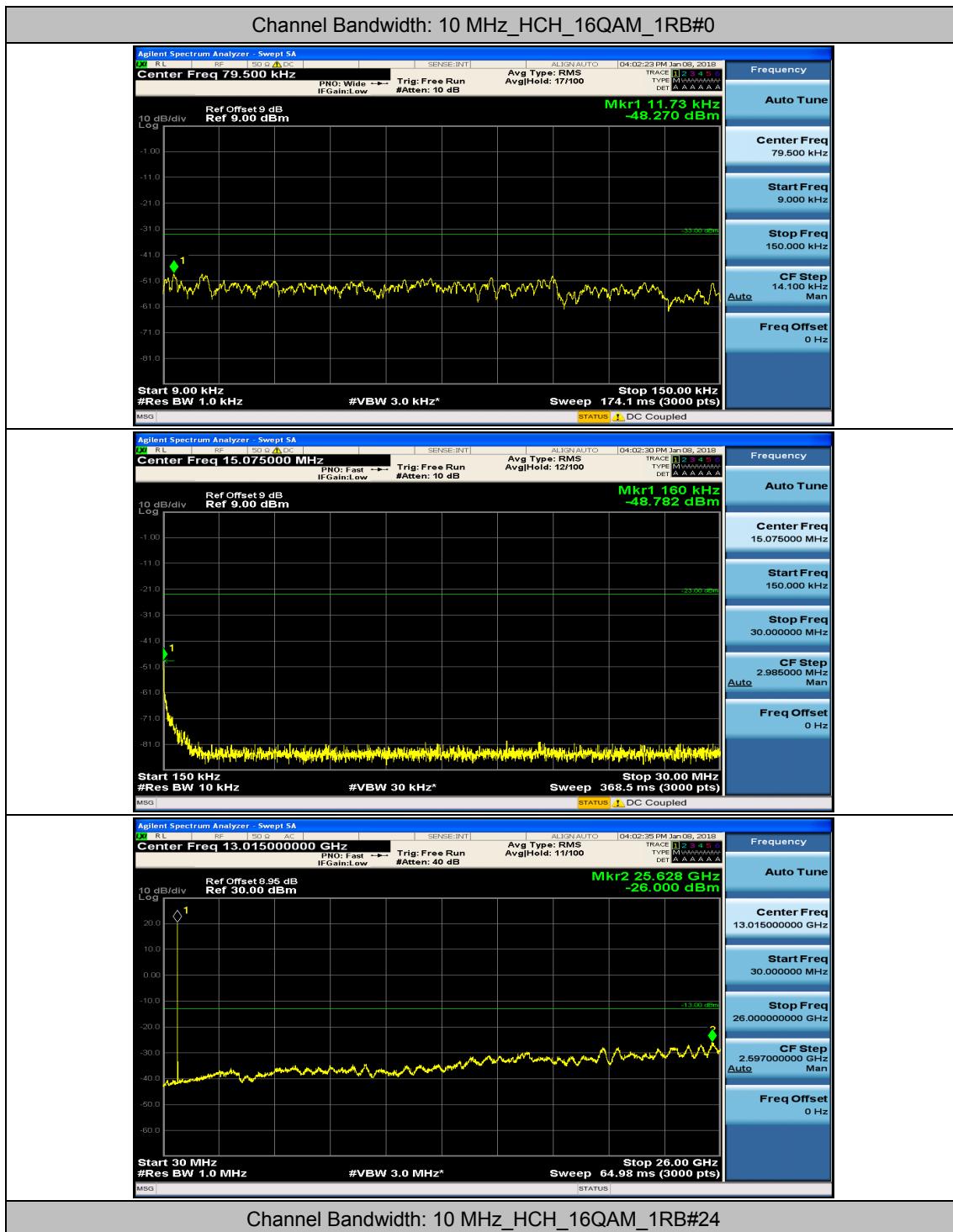


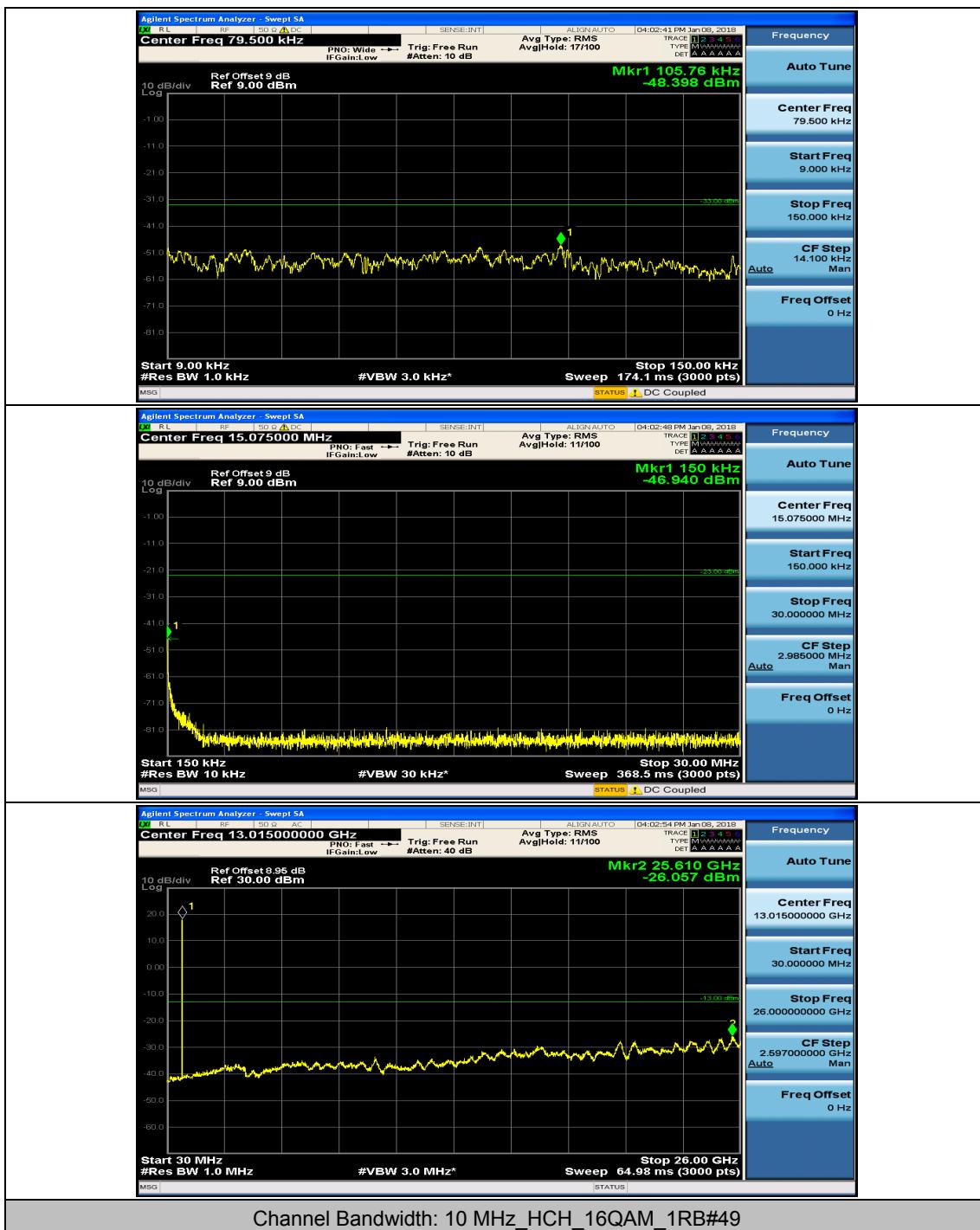


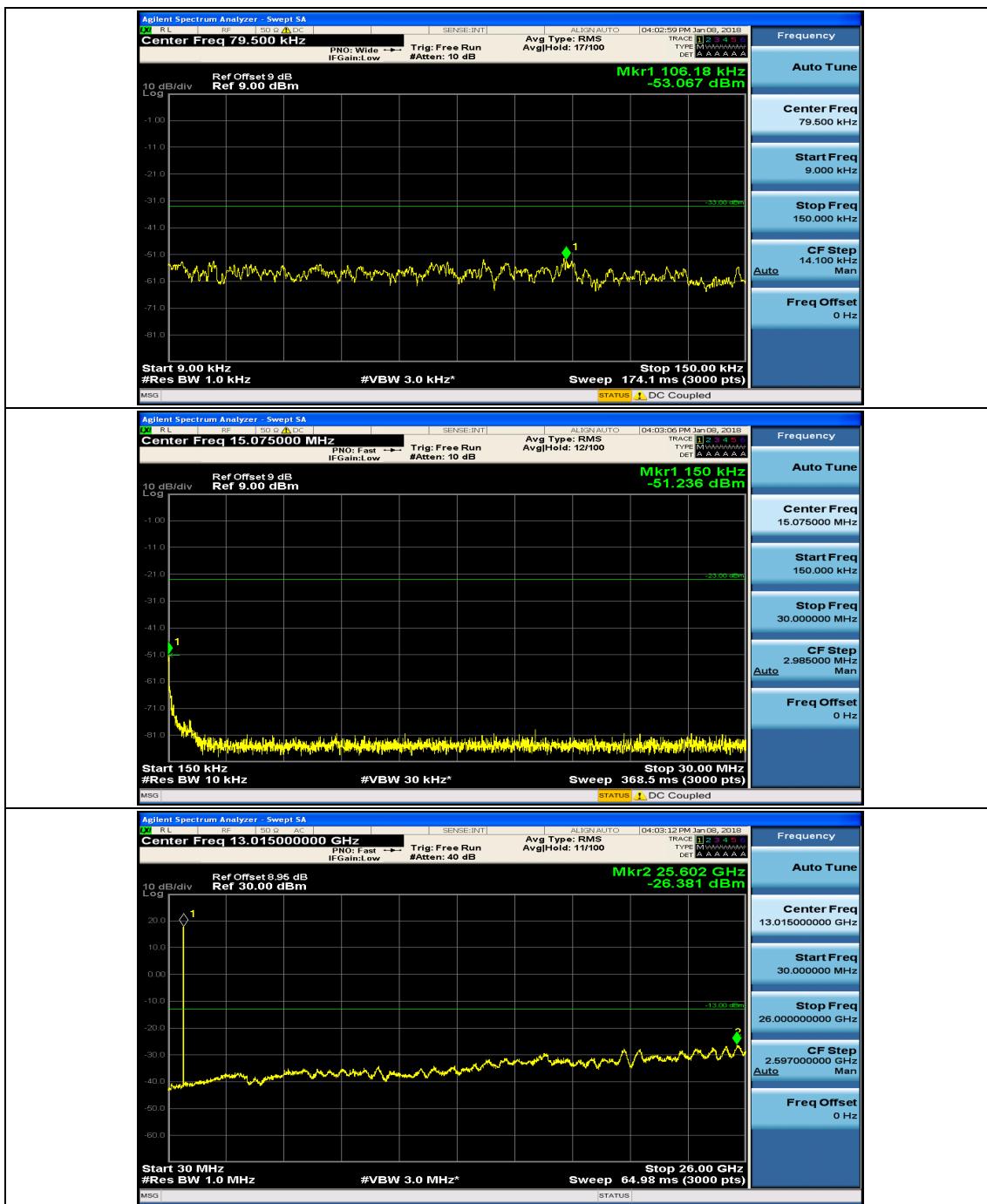












## Appendix F: Frequency Stability

### Test Result

#### Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	4.68	0.006624	± 2.5	PASS
		VN	TN	-0.7	-0.000991	± 2.5	PASS
		VH	TN	1.6	0.002265	± 2.5	PASS
	MCH	VL	TN	0.95	0.001338	± 2.5	PASS
		VN	TN	-1.68	-0.002366	± 2.5	PASS
		VH	TN	1.85	0.002606	± 2.5	PASS
	HCH	VL	TN	4.3	0.006027	± 2.5	PASS
		VN	TN	4.18	0.005858	± 2.5	PASS
		VH	TN	0.25	0.000350	± 2.5	PASS
16QAM	LCH	VL	TN	-1.29	-0.001826	± 2.5	PASS
		VN	TN	1.72	0.002435	± 2.5	PASS
		VH	TN	-0.72	-0.001019	± 2.5	PASS
	MCH	VL	TN	0.03	0.000042	± 2.5	PASS
		VN	TN	1.42	0.002000	± 2.5	PASS
		VH	TN	-1.33	-0.001873	± 2.5	PASS
	HCH	VL	TN	-1.33	-0.001864	± 2.5	PASS
		VN	TN	4.34	0.006083	± 2.5	PASS
		VH	TN	4.79	0.006713	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.25	-0.001769	± 2.5	PASS
		VN	-20	2.47	0.003496	± 2.5	PASS
		VN	-10	0.29	0.000410	± 2.5	PASS
		VN	0	-1.65	-0.002335	± 2.5	PASS
		VN	10	-0.48	-0.000679	± 2.5	PASS
		VN	20	-1.42	-0.002010	± 2.5	PASS
		VN	30	-0.19	-0.000269	± 2.5	PASS
		VN	40	3.96	0.005605	± 2.5	PASS
		VN	50	0.37	0.000524	± 2.5	PASS
	MCH	VN	-30	1.7	0.002394	± 2.5	PASS
		VN	-20	3.73	0.005254	± 2.5	PASS

		VN	-10	2.88	0.004056	$\pm 2.5$	PASS
		VN	0	0.25	0.000352	$\pm 2.5$	PASS
		VN	10	3.18	0.004479	$\pm 2.5$	PASS
		VN	20	-1.59	-0.002239	$\pm 2.5$	PASS
		VN	30	4.53	0.006380	$\pm 2.5$	PASS
		VN	40	4.43	0.006239	$\pm 2.5$	PASS
		VN	50	-1.96	-0.002761	$\pm 2.5$	PASS
		VN	-30	4.28	0.005999	$\pm 2.5$	PASS
		VN	-20	2.72	0.003812	$\pm 2.5$	PASS
		VN	-10	3.64	0.005102	$\pm 2.5$	PASS
		VN	0	1.29	0.001808	$\pm 2.5$	PASS
		VN	10	-0.48	-0.000673	$\pm 2.5$	PASS
		VN	20	-1.91	-0.002677	$\pm 2.5$	PASS
		VN	30	0.31	0.000434	$\pm 2.5$	PASS
		VN	40	4.34	0.006083	$\pm 2.5$	PASS
		VN	50	1.29	0.001808	$\pm 2.5$	PASS
16QAM	LCH	VN	-30	1.22	0.001727	$\pm 2.5$	PASS
		VN	-20	4.48	0.006341	$\pm 2.5$	PASS
		VN	-10	4.36	0.006171	$\pm 2.5$	PASS
		VN	0	-0.99	-0.001401	$\pm 2.5$	PASS
		VN	10	-1.91	-0.002703	$\pm 2.5$	PASS
		VN	20	1.64	0.002321	$\pm 2.5$	PASS
		VN	30	4.6	0.006511	$\pm 2.5$	PASS
		VN	40	2.04	0.002887	$\pm 2.5$	PASS
		VN	50	3.41	0.004827	$\pm 2.5$	PASS
	MCH	VN	-30	-1.12	-0.001570	$\pm 2.5$	PASS
		VN	-20	0.71	0.000995	$\pm 2.5$	PASS
		VN	-10	4.48	0.006279	$\pm 2.5$	PASS
		VN	0	4.51	0.006321	$\pm 2.5$	PASS
		VN	10	4.8	0.006727	$\pm 2.5$	PASS
		VN	20	1.67	0.002341	$\pm 2.5$	PASS
		VN	30	1.45	0.002032	$\pm 2.5$	PASS
	HCH	VN	40	-1.84	-0.002579	$\pm 2.5$	PASS
		VN	50	-1.05	-0.001472	$\pm 2.5$	PASS
		VN	-30	2.07	0.002901	$\pm 2.5$	PASS
		VN	-20	0.53	0.000743	$\pm 2.5$	PASS
		VN	-10	-1.36	-0.001906	$\pm 2.5$	PASS
		VN	0	2.29	0.003210	$\pm 2.5$	PASS
		VN	10	2.53	0.003546	$\pm 2.5$	PASS
		VN	20	2.9	0.004064	$\pm 2.5$	PASS
		VN	30	0.03	0.000042	$\pm 2.5$	PASS

		VN	40	2.68	0.003756	$\pm 2.5$	PASS
		VN	50	3.81	0.005340	$\pm 2.5$	PASS

## Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	1.2	0.001693	$\pm 2.5$	PASS
		VN	TN	4.42	0.006234	$\pm 2.5$	PASS
		VH	TN	0.93	0.001312	$\pm 2.5$	PASS
	MCH	VL	TN	-0.88	-0.001239	$\pm 2.5$	PASS
		VN	TN	2.82	0.003972	$\pm 2.5$	PASS
		VH	TN	-0.5	-0.000704	$\pm 2.5$	PASS
	HCH	VL	TN	-0.64	-0.000900	$\pm 2.5$	PASS
		VN	TN	3.96	0.005570	$\pm 2.5$	PASS
		VH	TN	3	0.004219	$\pm 2.5$	PASS
16QAM	LCH	VL	TN	-0.28	-0.000395	$\pm 2.5$	PASS
		VN	TN	-1.47	-0.002073	$\pm 2.5$	PASS
		VH	TN	3.4	0.004795	$\pm 2.5$	PASS
	MCH	VL	TN	1.67	0.002352	$\pm 2.5$	PASS
		VN	TN	4.07	0.005732	$\pm 2.5$	PASS
		VH	TN	2.7	0.003803	$\pm 2.5$	PASS
	HCH	VL	TN	1.78	0.002504	$\pm 2.5$	PASS
		VN	TN	3.77	0.005302	$\pm 2.5$	PASS
		VH	TN	3.99	0.005612	$\pm 2.5$	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	0.42	0.000592	$\pm 2.5$	PASS
		VN	-20	-1.6	-0.002257	$\pm 2.5$	PASS
		VN	-10	-0.47	-0.000663	$\pm 2.5$	PASS
		VN	0	0.56	0.000790	$\pm 2.5$	PASS
		VN	10	4.04	0.005698	$\pm 2.5$	PASS
		VN	20	1.71	0.002412	$\pm 2.5$	PASS
		VN	30	-0.09	-0.000127	$\pm 2.5$	PASS
		VN	40	0.82	0.001157	$\pm 2.5$	PASS
		VN	50	-0.59	-0.000832	$\pm 2.5$	PASS
	MCH	VN	-30	2.89	0.004070	$\pm 2.5$	PASS
		VN	-20	-0.31	-0.000437	$\pm 2.5$	PASS
		VN	-10	3.41	0.004803	$\pm 2.5$	PASS

		VN	0	2.1	0.002958	$\pm 2.5$	PASS
		VN	10	1.67	0.002352	$\pm 2.5$	PASS
		VN	20	1.5	0.002113	$\pm 2.5$	PASS
		VN	30	-0.38	-0.000535	$\pm 2.5$	PASS
		VN	40	-0.45	-0.000634	$\pm 2.5$	PASS
		VN	50	4.22	0.005944	$\pm 2.5$	PASS
		VN	-30	1.46	0.002053	$\pm 2.5$	PASS
		VN	-20	4.74	0.006667	$\pm 2.5$	PASS
		VN	-10	0.06	0.000084	$\pm 2.5$	PASS
		VN	0	0.48	0.000675	$\pm 2.5$	PASS
		VN	10	3.53	0.004965	$\pm 2.5$	PASS
		VN	20	2.31	0.003249	$\pm 2.5$	PASS
		VN	30	1.51	0.002124	$\pm 2.5$	PASS
		VN	40	3.22	0.004529	$\pm 2.5$	PASS
		VN	50	1.53	0.002152	$\pm 2.5$	PASS
	LCH	VN	-30	-0.68	-0.000958	$\pm 2.5$	PASS
		VN	-20	0.77	0.001085	$\pm 2.5$	PASS
		VN	-10	-0.84	-0.001183	$\pm 2.5$	PASS
		VN	0	1.98	0.002789	$\pm 2.5$	PASS
		VN	10	4.57	0.006437	$\pm 2.5$	PASS
		VN	20	0.29	0.000408	$\pm 2.5$	PASS
		VN	30	2.77	0.003901	$\pm 2.5$	PASS
		VN	40	3.74	0.005268	$\pm 2.5$	PASS
		VN	50	2.79	0.003930	$\pm 2.5$	PASS
	MCH	VN	-30	-1.45	-0.002039	$\pm 2.5$	PASS
		VN	-20	-0.31	-0.000436	$\pm 2.5$	PASS
		VN	-10	2.33	0.003277	$\pm 2.5$	PASS
		VN	0	-1.24	-0.001744	$\pm 2.5$	PASS
		VN	10	4.77	0.006709	$\pm 2.5$	PASS
		VN	20	-0.21	-0.000295	$\pm 2.5$	PASS
		VN	30	-1.93	-0.002714	$\pm 2.5$	PASS
		VN	40	-1.93	-0.002714	$\pm 2.5$	PASS
		VN	50	0.93	0.001308	$\pm 2.5$	PASS
	HCH	VN	-30	-1.01	-0.001421	$\pm 2.5$	PASS
		VN	-20	-0.93	-0.001308	$\pm 2.5$	PASS
		VN	-10	-1.46	-0.002053	$\pm 2.5$	PASS
		VN	0	2.08	0.002925	$\pm 2.5$	PASS
		VN	10	4.75	0.006681	$\pm 2.5$	PASS
		VN	20	0	0.000000	$\pm 2.5$	PASS
		VN	30	0.32	0.000450	$\pm 2.5$	PASS
		VN	40	0.35	0.000492	$\pm 2.5$	PASS

		VN	50	-0.89	-0.001252	± 2.5	PASS
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