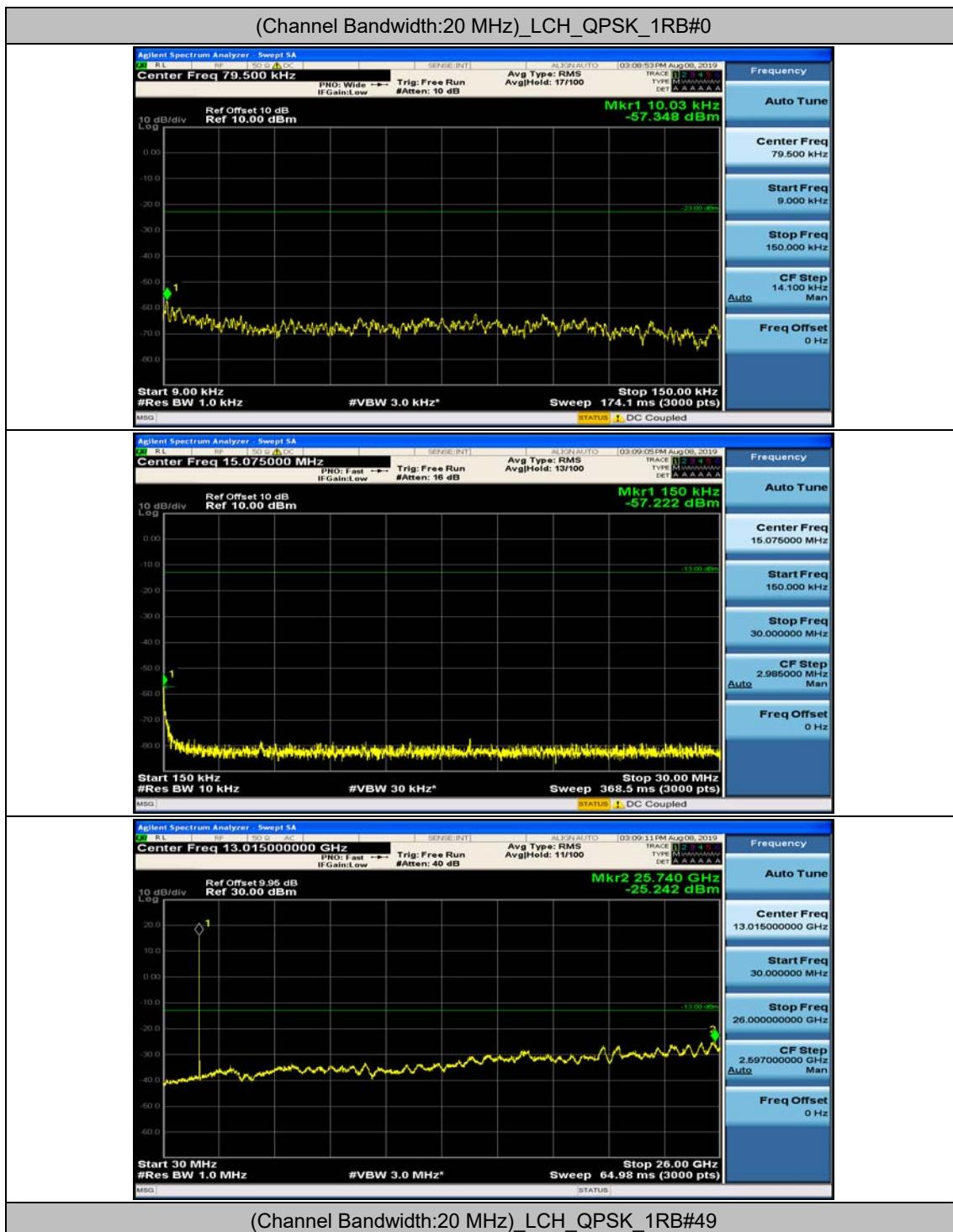
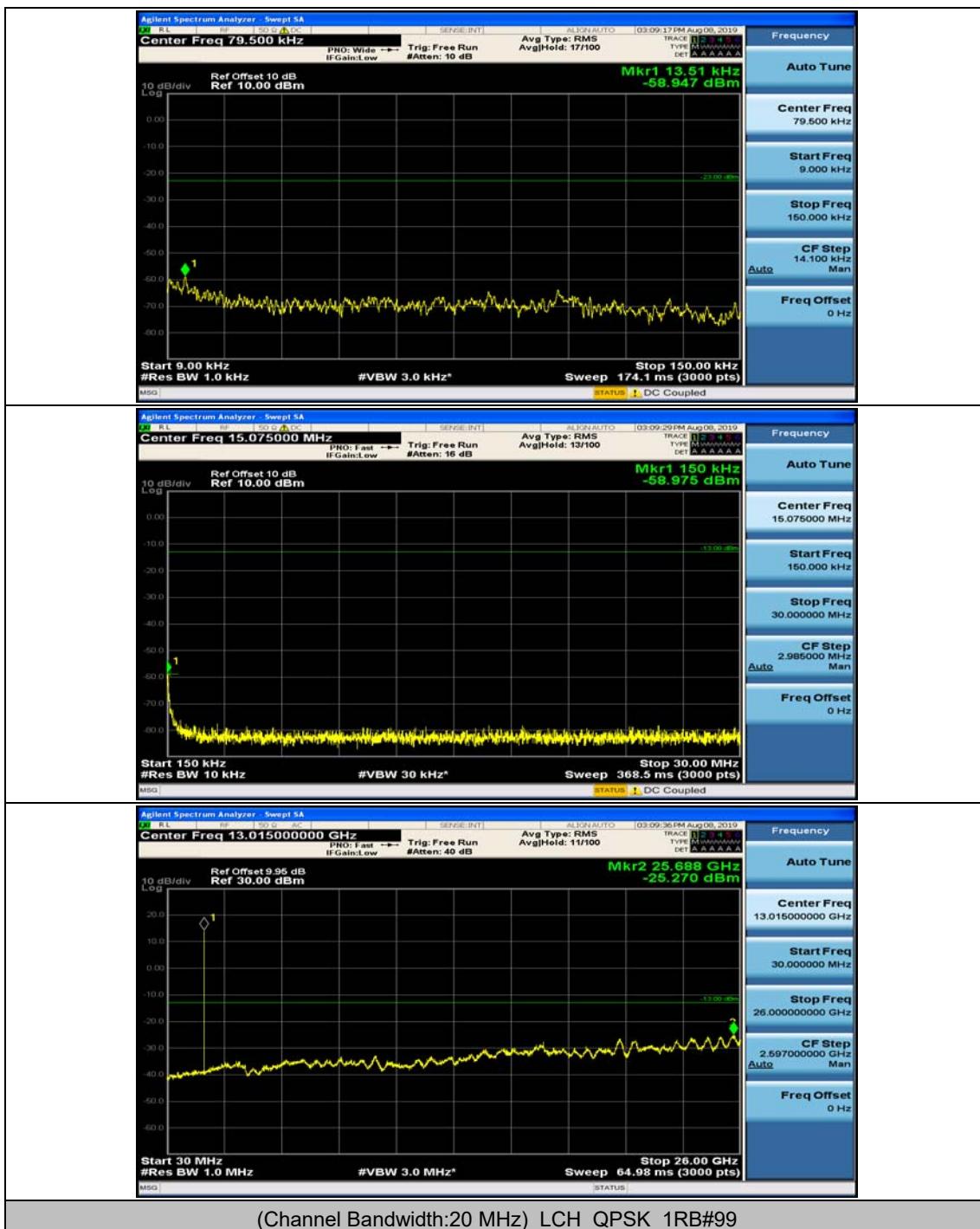
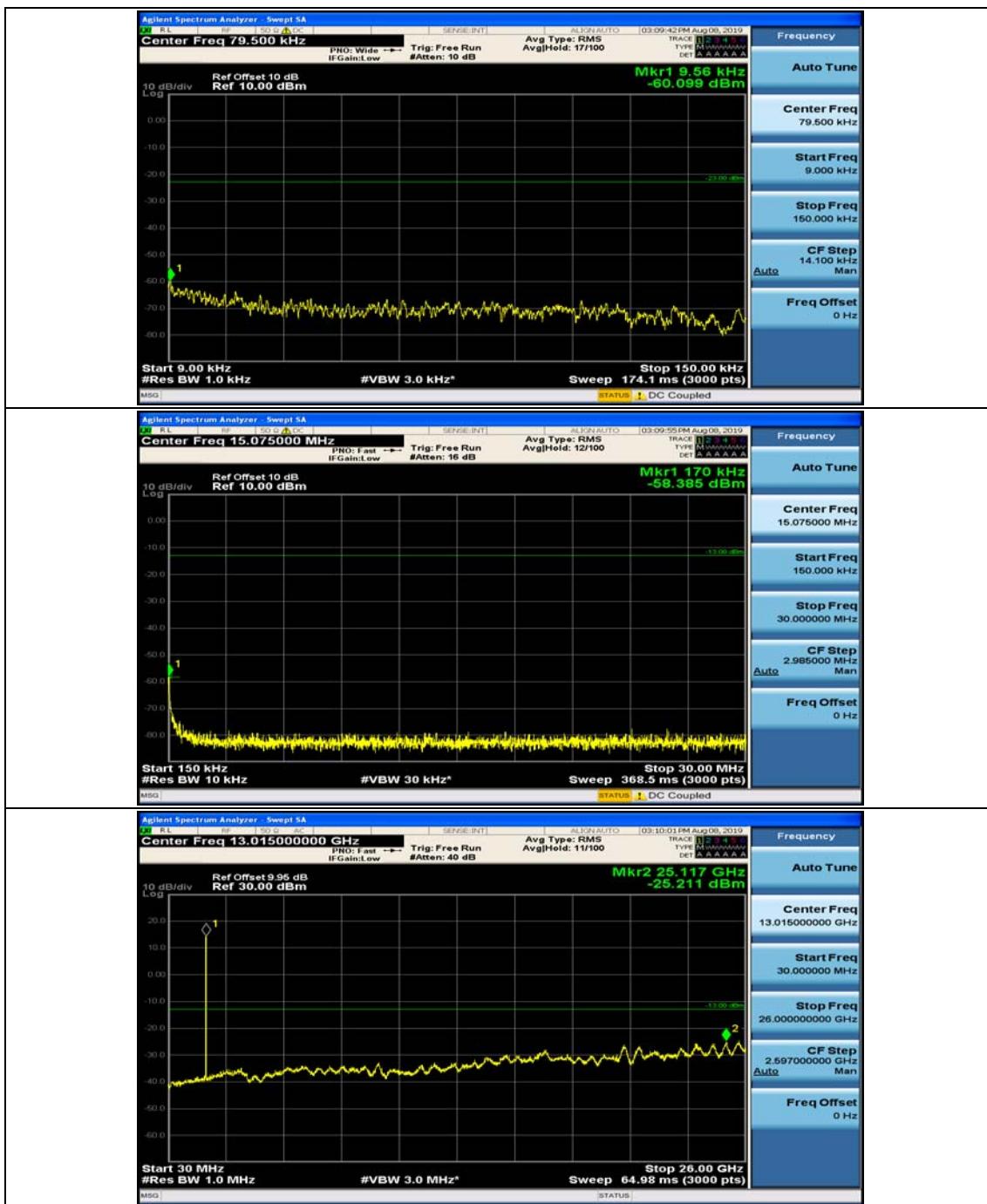
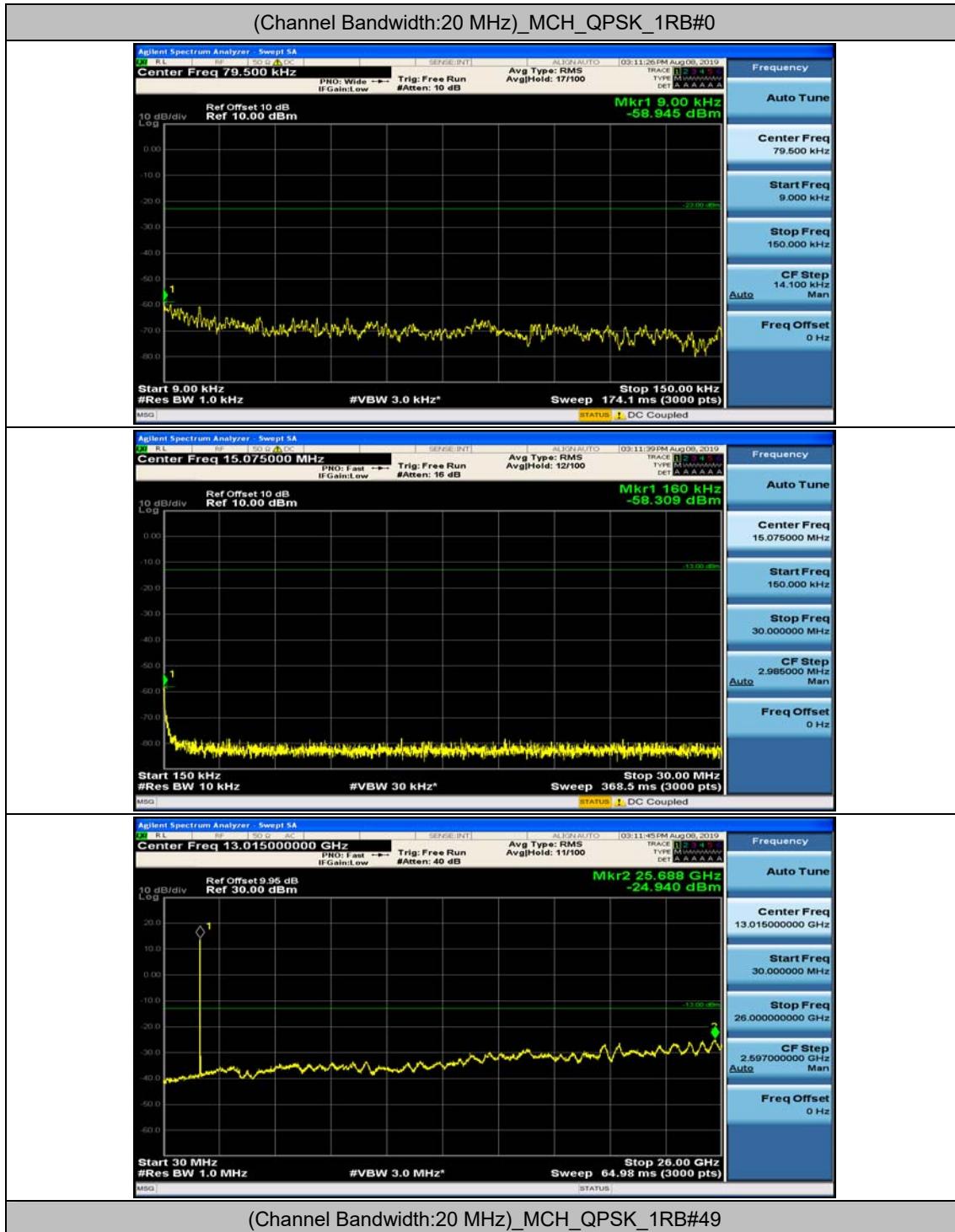


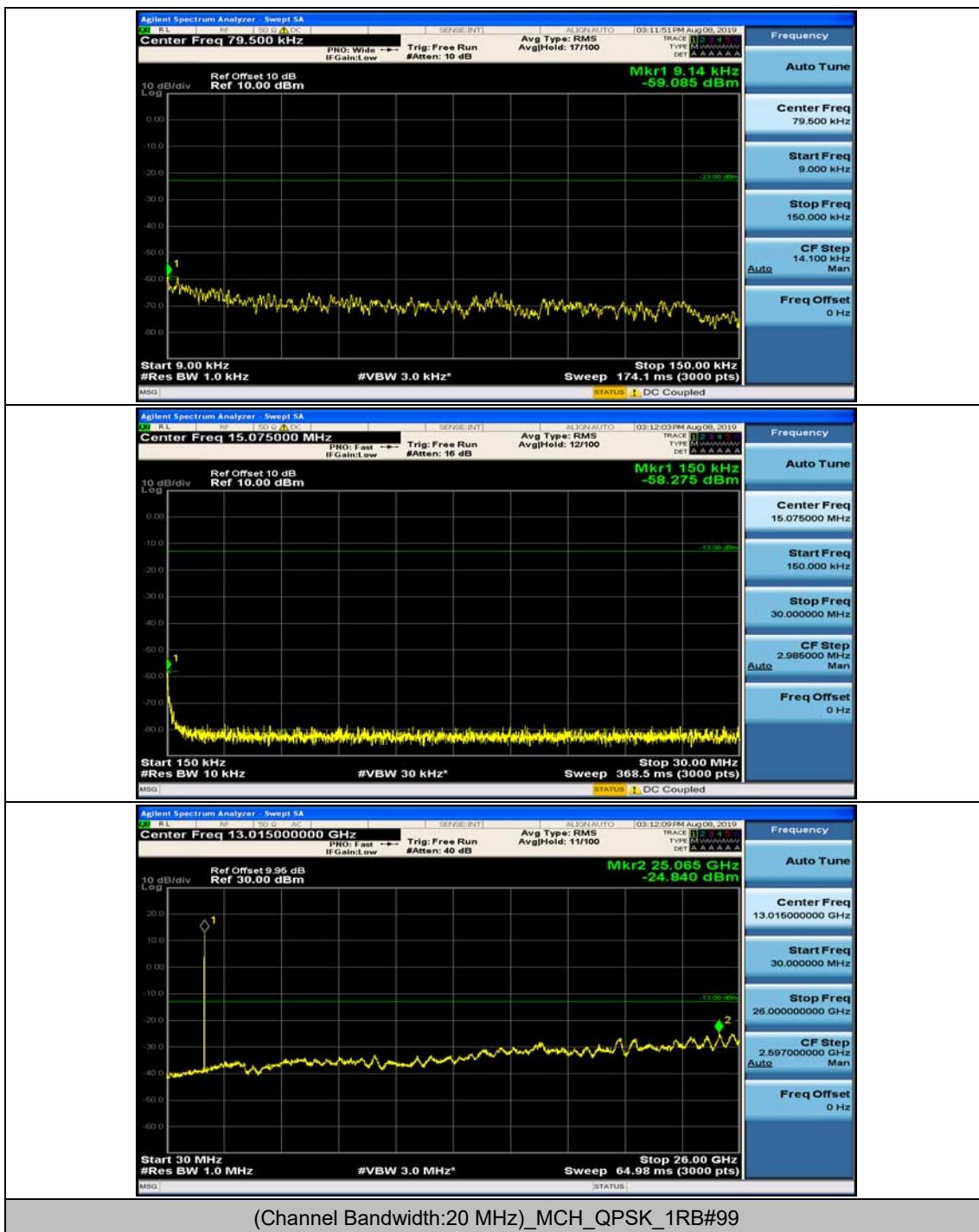
Channel Bandwidth: 20 MHz

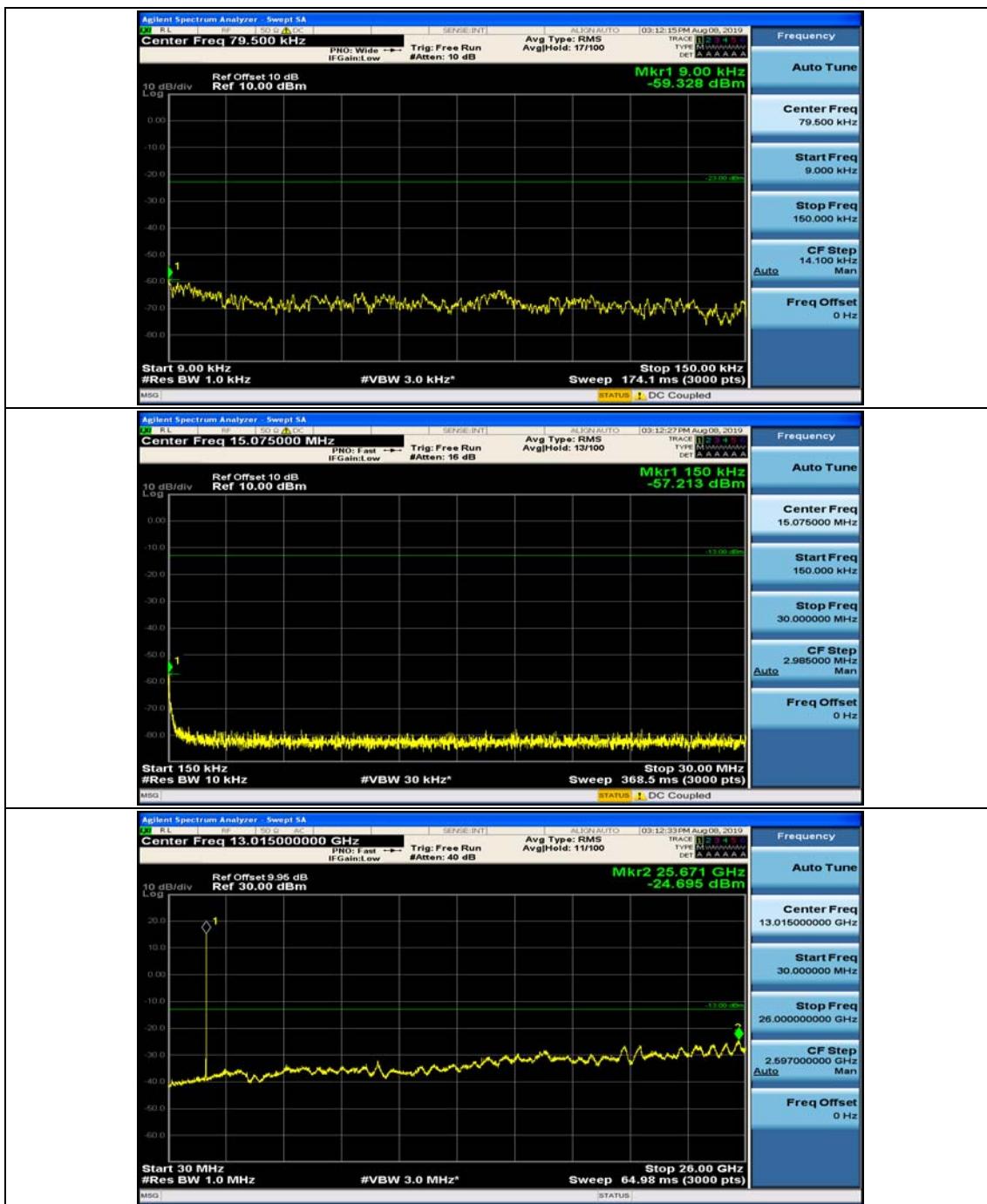


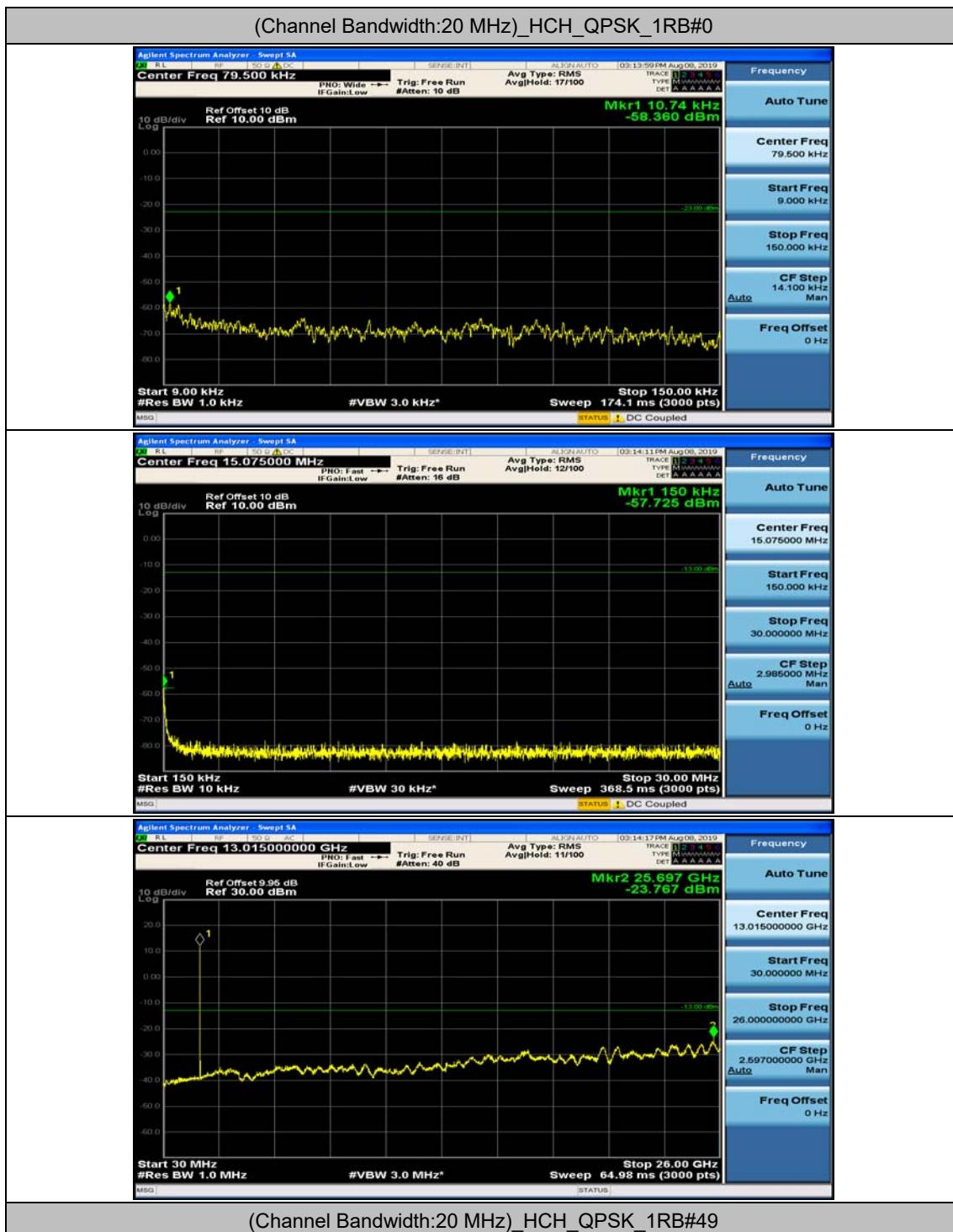


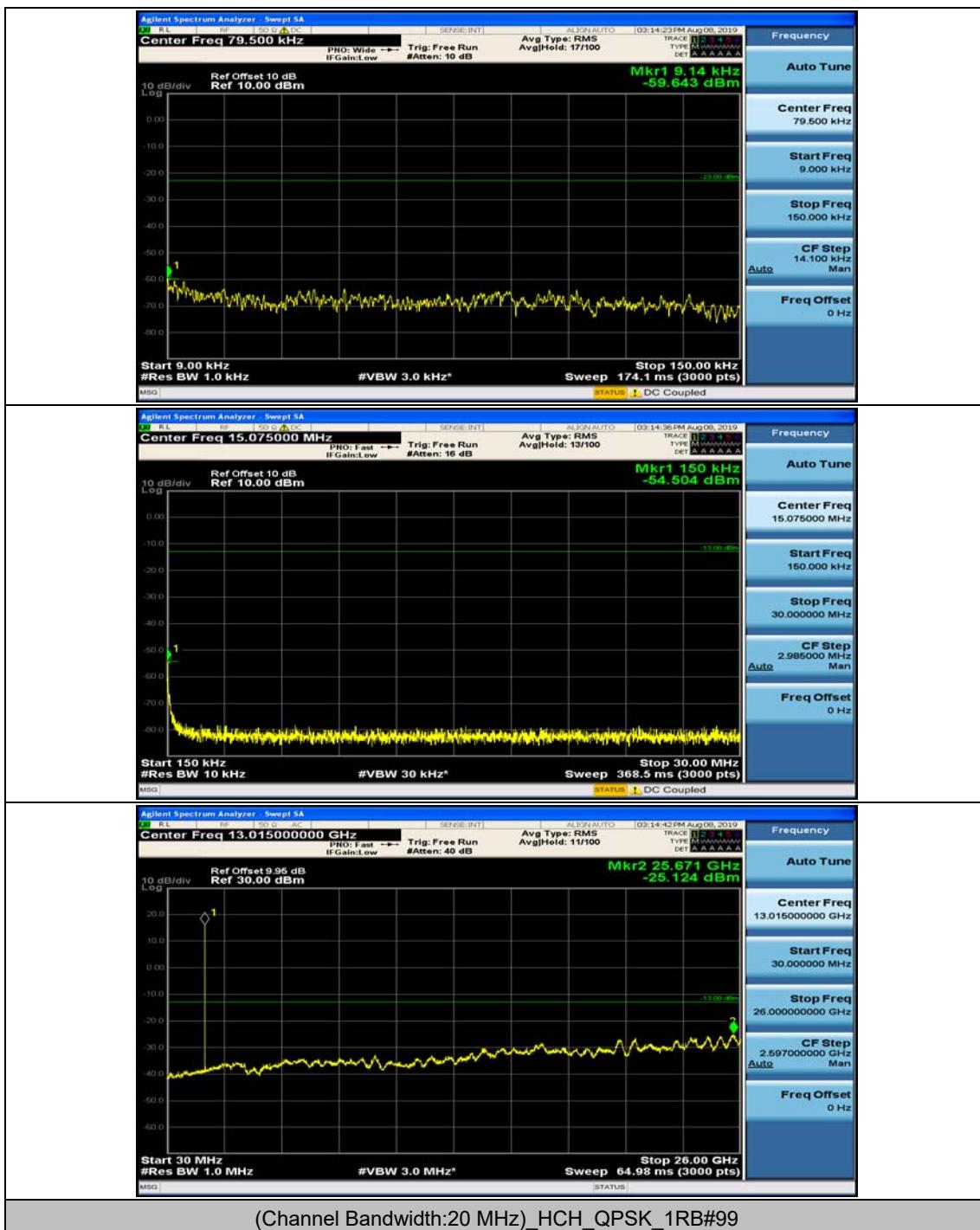


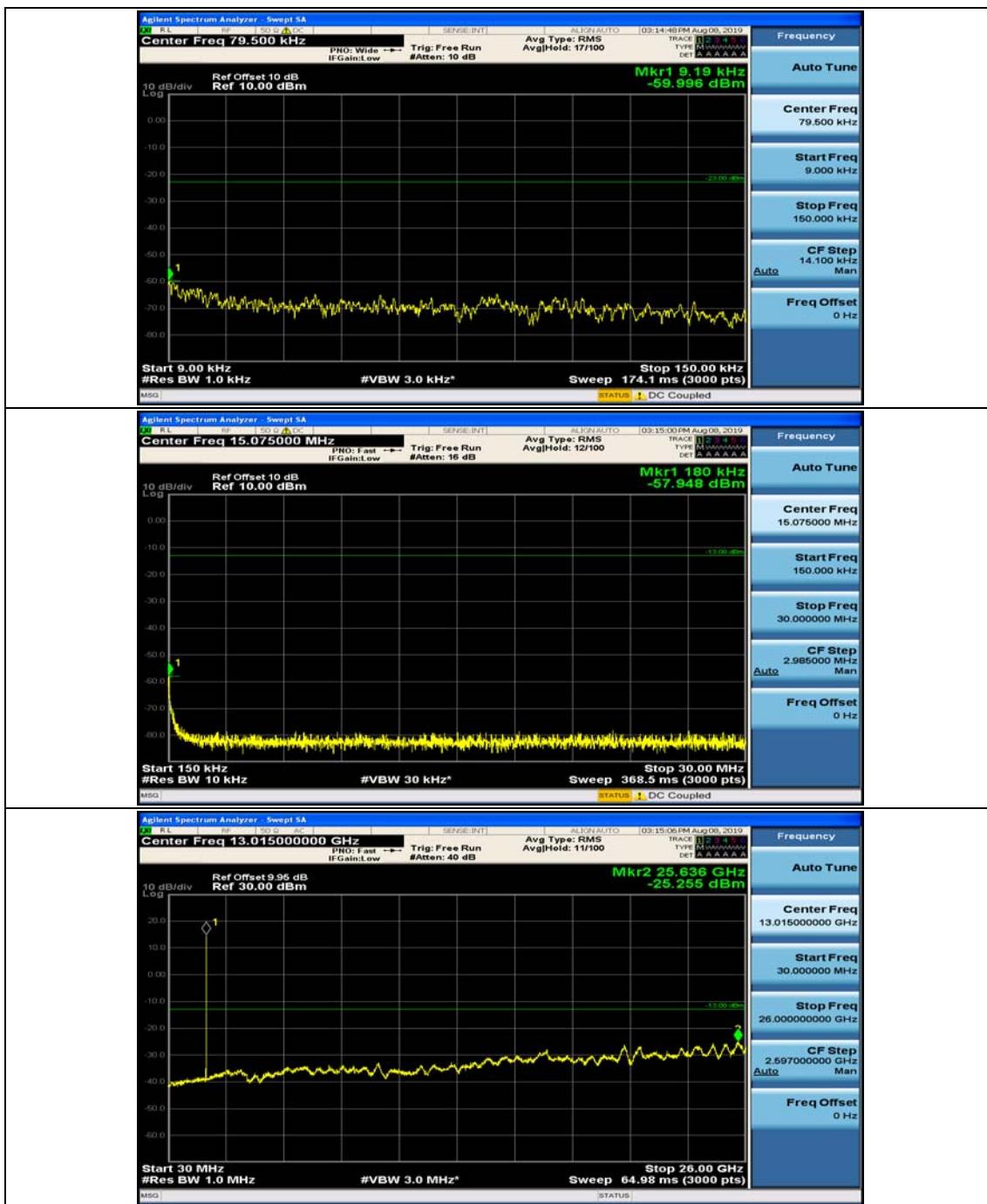


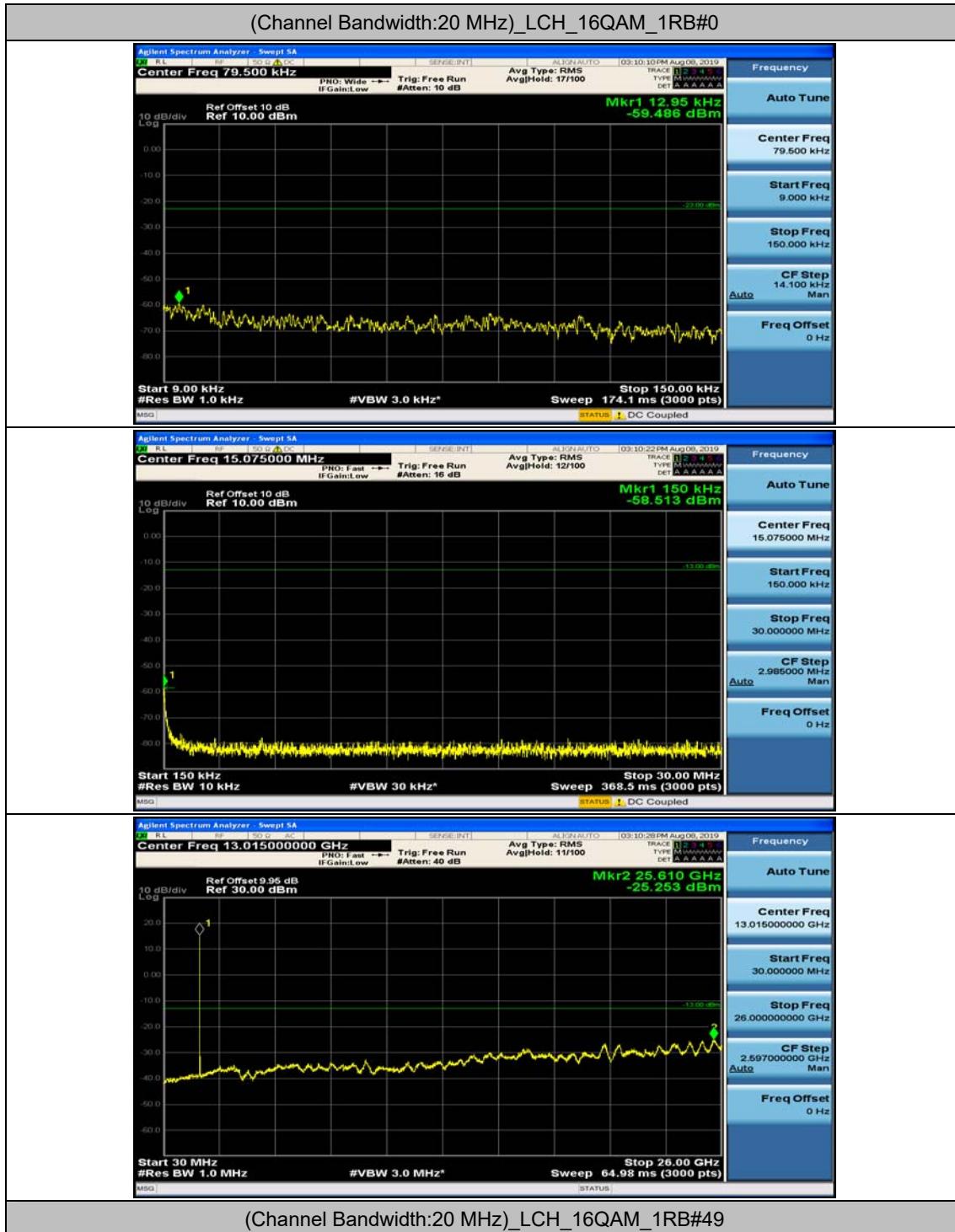


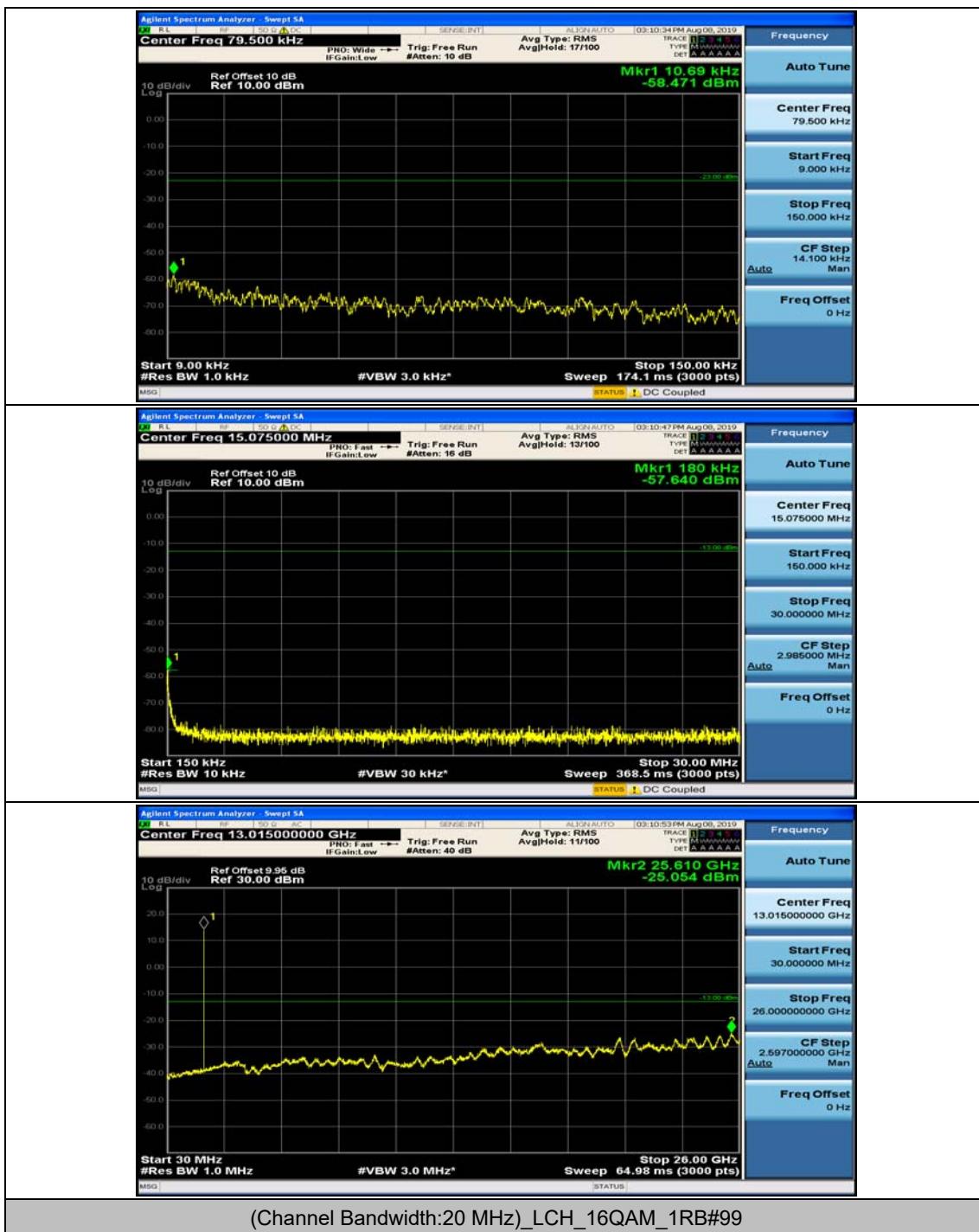


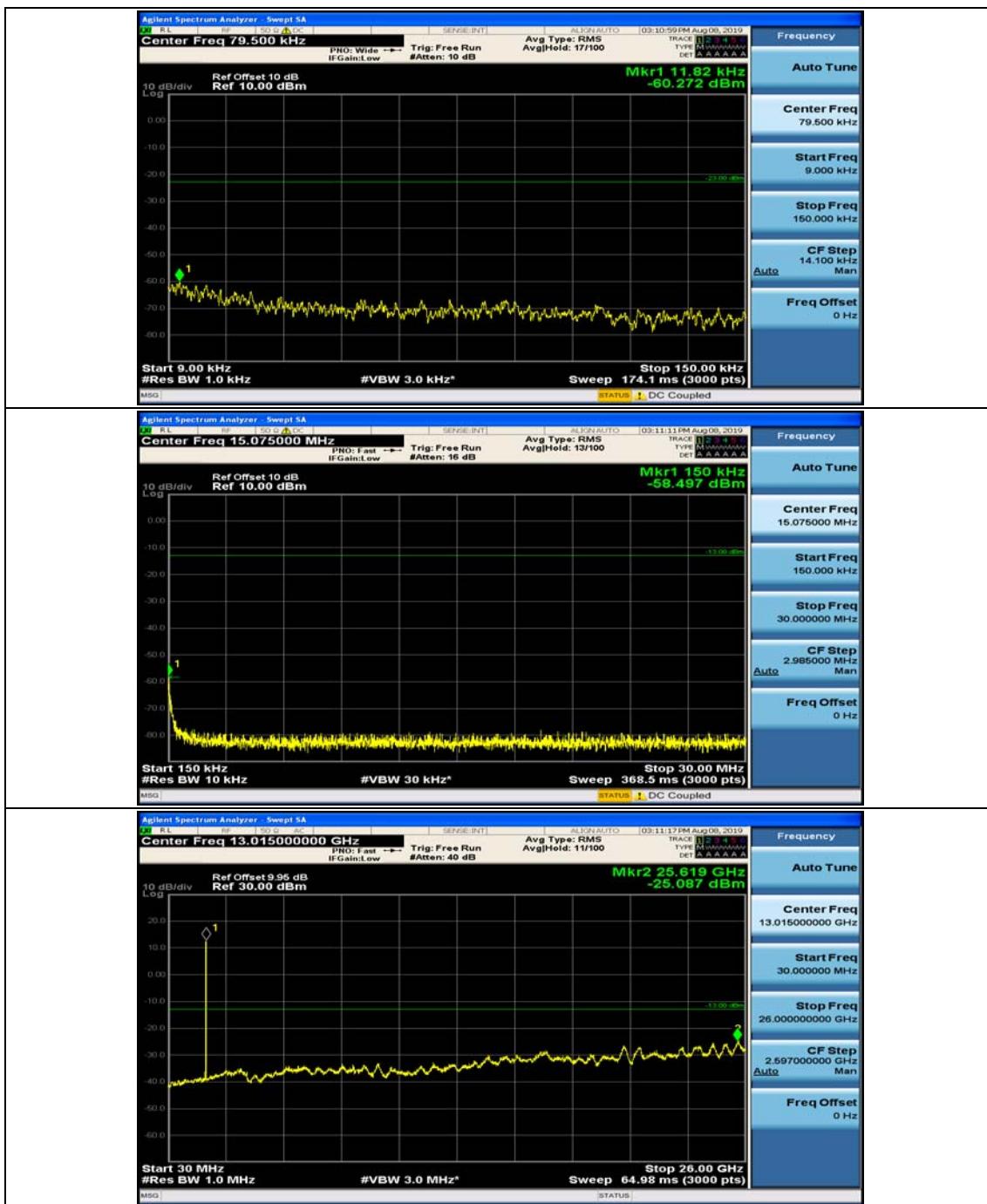


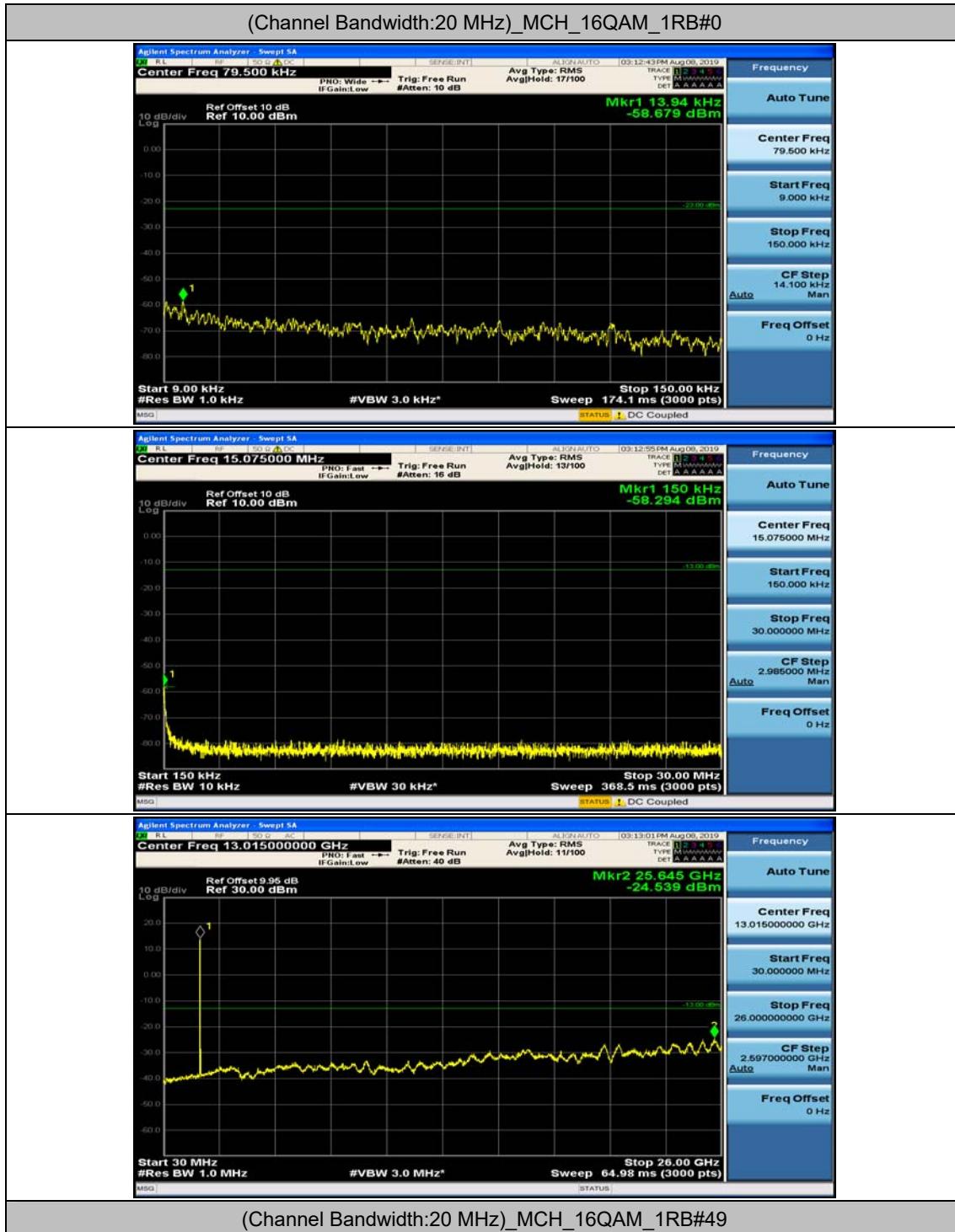


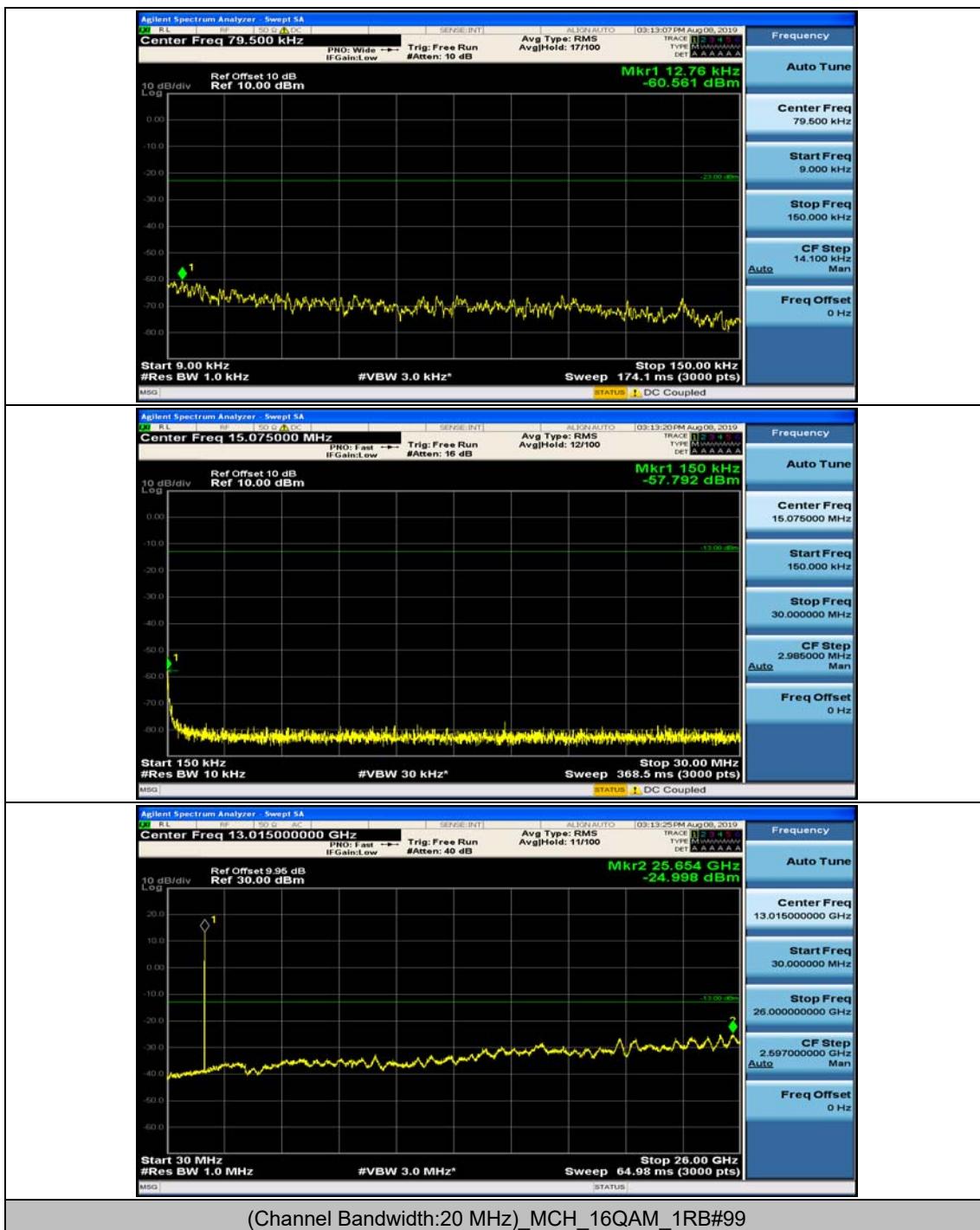


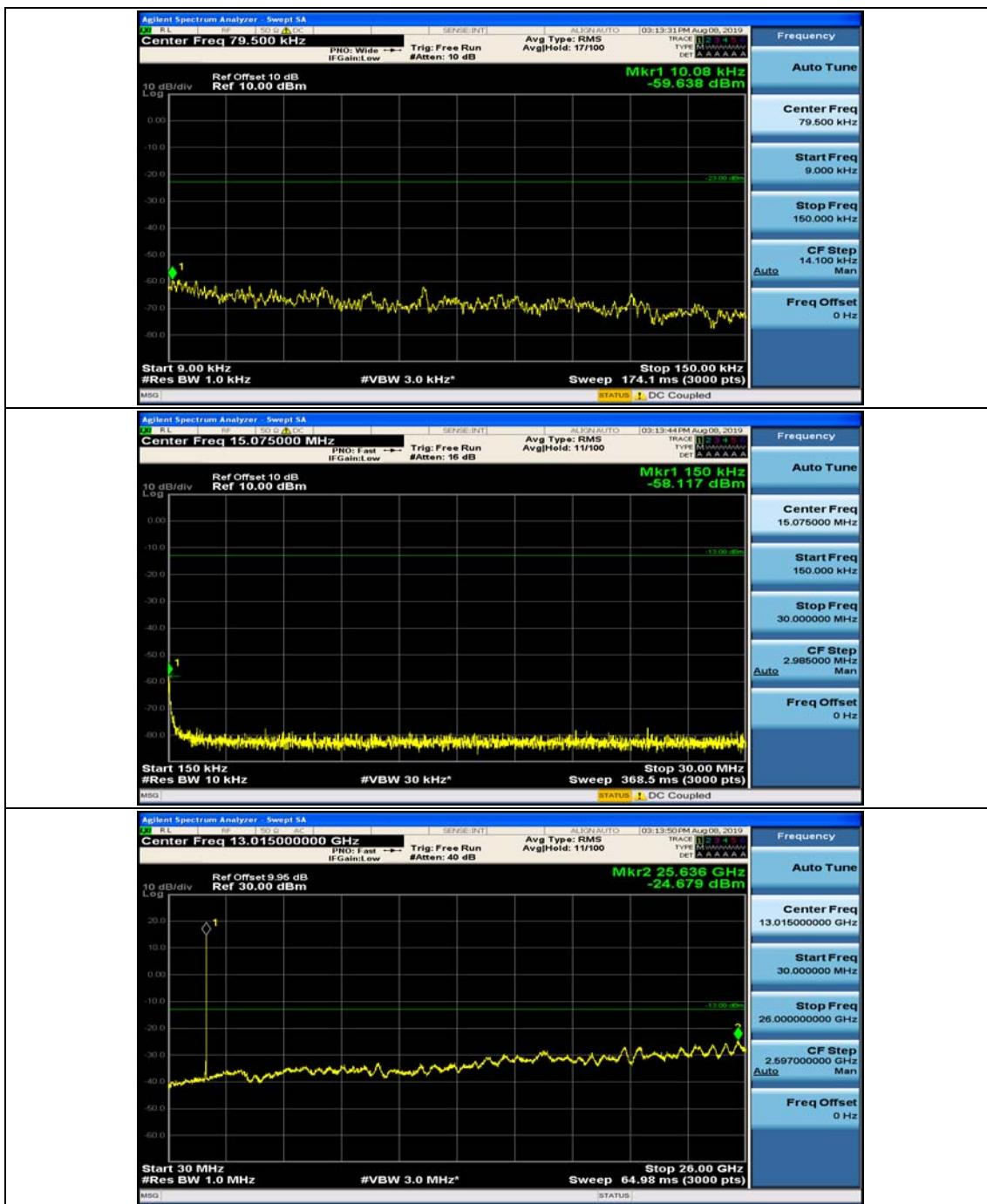


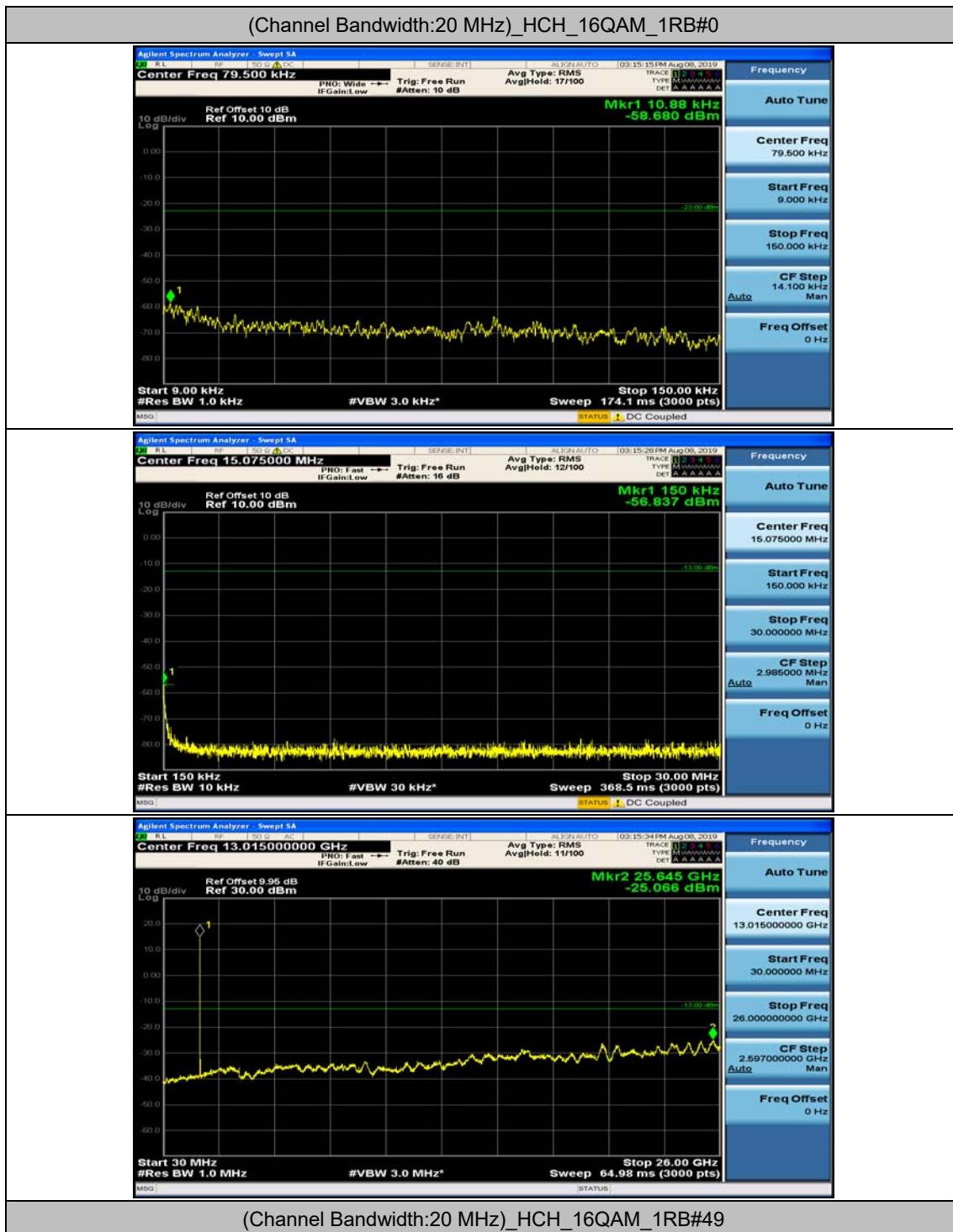


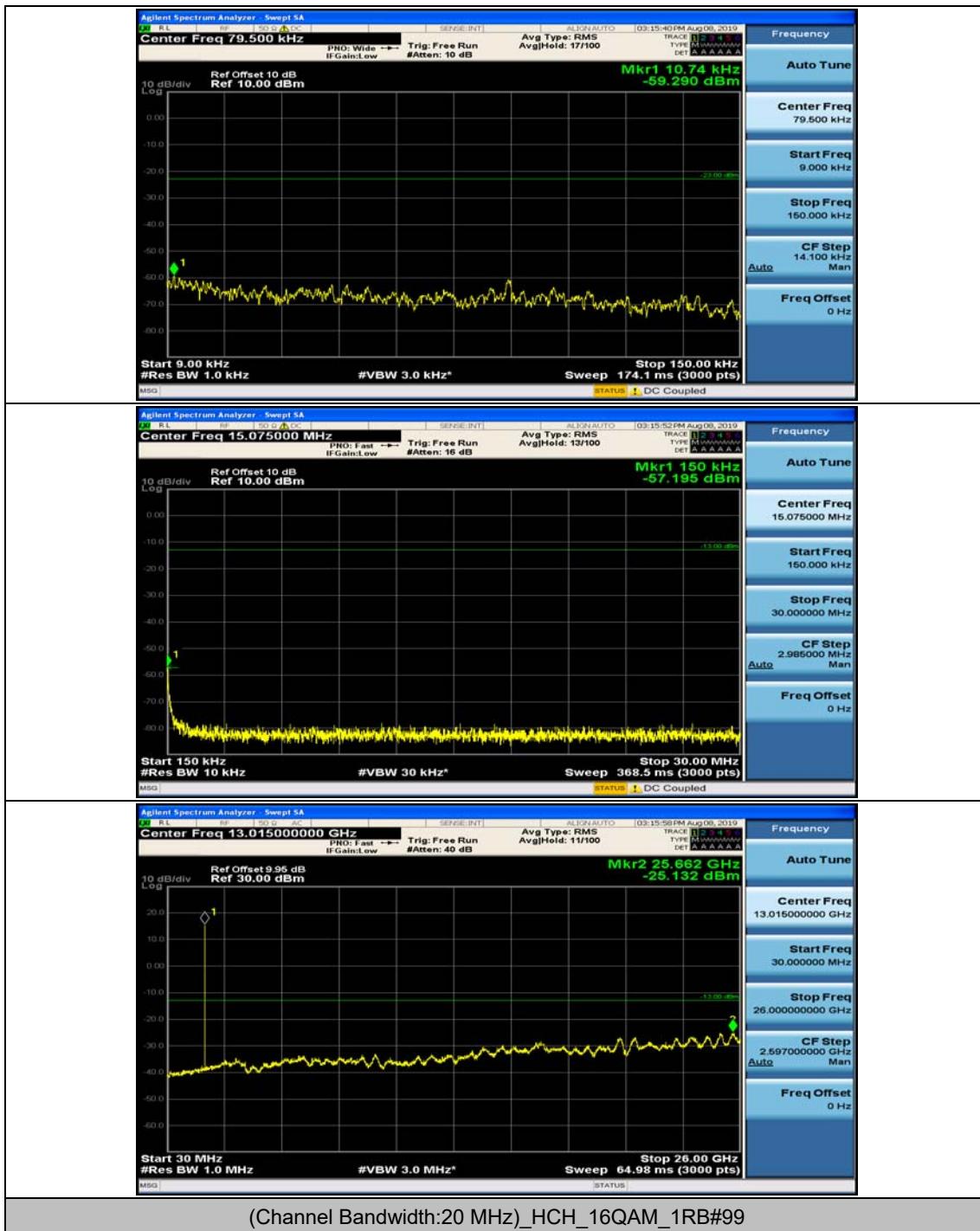


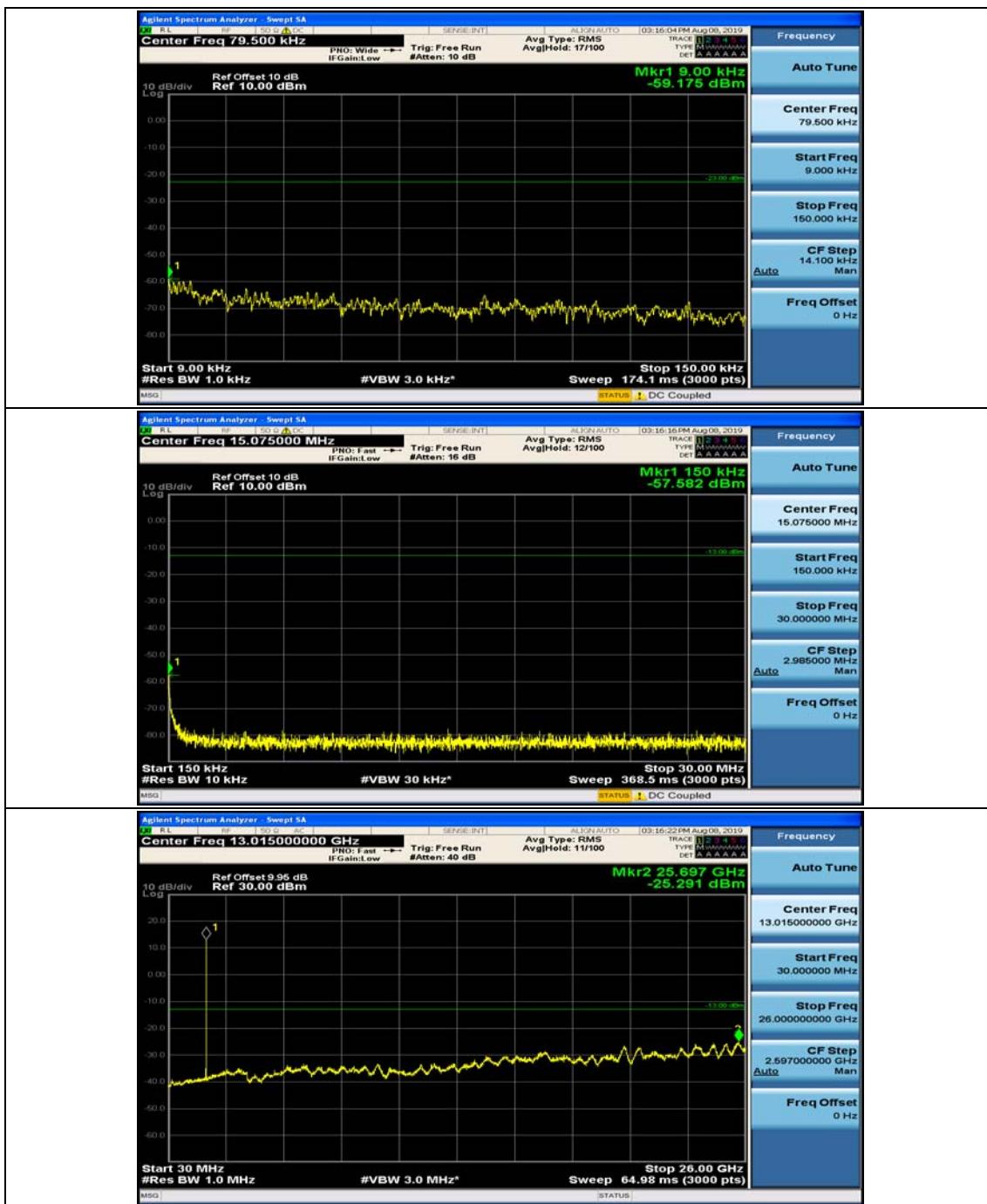












Appendix F: Frequency Stability

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	3.18	0.001859	± 2.5	PASS
		VN	TN	2.23	0.001304	± 2.5	PASS
		VH	TN	-0.19	-0.000111	± 2.5	PASS
	MCH	VL	TN	-1.94	-0.001120	± 2.5	PASS
		VN	TN	-1.59	-0.000918	± 2.5	PASS
		VH	TN	3.15	0.001818	± 2.5	PASS
	HCH	VL	TN	2.08	0.001186	± 2.5	PASS
		VN	TN	0.8	0.000456	± 2.5	PASS
		VH	TN	1.79	0.001020	± 2.5	PASS
16QAM	LCH	VL	TN	-1.42	-0.000830	± 2.5	PASS
		VN	TN	-0.15	-0.000088	± 2.5	PASS
		VH	TN	0.35	0.000205	± 2.5	PASS
	MCH	VL	TN	4.63	0.002672	± 2.5	PASS
		VN	TN	-1.88	-0.001085	± 2.5	PASS
		VH	TN	-0.4	-0.000231	± 2.5	PASS
	HCH	VL	TN	3.65	0.002081	± 2.5	PASS
		VN	TN	-0.32	-0.000182	± 2.5	PASS
		VH	TN	2.44	0.001391	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.75	0.001023	± 2.5	PASS
		VN	-20	4.68	0.002736	± 2.5	PASS
		VN	-10	1.34	0.000783	± 2.5	PASS
		VN	0	1.24	0.000725	± 2.5	PASS
		VN	10	2.49	0.001456	± 2.5	PASS
		VN	20	4.63	0.002706	± 2.5	PASS
		VN	30	3.6	0.002104	± 2.5	PASS
		VN	40	-1.13	-0.000661	± 2.5	PASS
		VN	50	3.52	0.002058	± 2.5	PASS
	MCH	VN	-30	0.41	0.000237	± 2.5	PASS

		VN	-20	0.73	0.000421	± 2.5	PASS
		VN	-10	3.84	0.002216	± 2.5	PASS
		VN	0	3.41	0.001968	± 2.5	PASS
		VN	10	4.58	0.002644	± 2.5	PASS
		VN	20	-0.31	-0.000179	± 2.5	PASS
		VN	30	-0.8	-0.000462	± 2.5	PASS
		VN	40	1.78	0.001027	± 2.5	PASS
		VN	50	1.26	0.000727	± 2.5	PASS
	HCH	VN	-30	2.86	0.001630	± 2.5	PASS
		VN	-20	3.07	0.001750	± 2.5	PASS
		VN	-10	-1.95	-0.001112	± 2.5	PASS
		VN	0	0.01	0.000006	± 2.5	PASS
		VN	10	4.19	0.002388	± 2.5	PASS
		VN	20	-1.63	-0.000929	± 2.5	PASS
		VN	30	1.84	0.001049	± 2.5	PASS
		VN	40	-1.47	-0.000838	± 2.5	PASS
		VN	50	-1.77	-0.001009	± 2.5	PASS
16QAM	LCH	VN	-30	-1.02	-0.000596	± 2.5	PASS
		VN	-20	0.76	0.000444	± 2.5	PASS
		VN	-10	0.28	0.000164	± 2.5	PASS
		VN	0	2.97	0.001736	± 2.5	PASS
		VN	10	-0.51	-0.000298	± 2.5	PASS
		VN	20	0.21	0.000123	± 2.5	PASS
		VN	30	1.8	0.001052	± 2.5	PASS
		VN	40	3.04	0.001777	± 2.5	PASS
		VN	50	3.97	0.002321	± 2.5	PASS
	MCH	VN	-30	-0.79	-0.000450	± 2.5	PASS
		VN	-20	1.58	0.000901	± 2.5	PASS
		VN	-10	3.26	0.001858	± 2.5	PASS
		VN	0	3.86	0.002200	± 2.5	PASS
		VN	10	2.56	0.001459	± 2.5	PASS
		VN	20	4.27	0.002434	± 2.5	PASS
		VN	30	1.49	0.000849	± 2.5	PASS
		VN	40	4.88	0.002782	± 2.5	PASS
	HCH	VN	50	-1.95	-0.001112	± 2.5	PASS
		VN	-30	3.33	0.001898	± 2.5	PASS
		VN	-20	0.46	0.000262	± 2.5	PASS
		VN	-10	3.87	0.002206	± 2.5	PASS
		VN	0	-0.3	-0.000171	± 2.5	PASS
		VN	10	4.49	0.002559	± 2.5	PASS
		VN	20	0.94	0.000536	± 2.5	PASS

		VN	30	2.69	0.001533	± 2.5	PASS
		VN	40	2.99	0.001704	± 2.5	PASS
		VN	50	-0.45	-0.000257	± 2.5	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz+							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	3.74	0.002185	± 2.5	PASS
		VN	TN	-1.54	-0.000900	± 2.5	PASS
		VH	TN	3.45	0.002016	± 2.5	PASS
	MCH	VL	TN	3.83	0.002211	± 2.5	PASS
		VN	TN	1.61	0.000929	± 2.5	PASS
		VH	TN	-0.09	-0.000052	± 2.5	PASS
	HCH	VL	TN	1.58	0.000901	± 2.5	PASS
		VN	TN	3.39	0.001933	± 2.5	PASS
		VH	TN	0.78	0.000445	± 2.5	PASS
16QAM	LCH	VL	TN	2.76	0.001613	± 2.5	PASS
		VN	TN	-0.93	-0.000543	± 2.5	PASS
		VH	TN	-2	-0.001169	± 2.5	PASS
	MCH	VL	TN	1.29	0.000745	± 2.5	PASS
		VN	TN	3.01	0.001737	± 2.5	PASS
		VH	TN	1.6	0.000924	± 2.5	PASS
	HCH	VL	TN	1.7	0.000969	± 2.5	PASS
		VN	TN	-0.15	-0.000086	± 2.5	PASS
		VH	TN	2.76	0.001574	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.57	0.000917	± 2.5	PASS
		VN	-20	0.92	0.000538	± 2.5	PASS
		VN	-10	-1.53	-0.000894	± 2.5	PASS
		VN	0	3	0.001753	± 2.5	PASS
		VN	10	4.13	0.002413	± 2.5	PASS
		VN	20	0.24	0.000140	± 2.5	PASS
		VN	30	1.52	0.000888	± 2.5	PASS
		VN	40	0.39	0.000228	± 2.5	PASS
		VN	50	4.67	0.002729	± 2.5	PASS
	MCH	VN	-30	1.79	0.001033	± 2.5	PASS
		VN	-20	0.58	0.000335	± 2.5	PASS

	HCH	VN	-10	0.46	0.000266	± 2.5	PASS
		VN	0	-1.24	-0.000716	± 2.5	PASS
		VN	10	1.84	0.001062	± 2.5	PASS
		VN	20	0.42	0.000242	± 2.5	PASS
		VN	30	1.15	0.000664	± 2.5	PASS
		VN	40	2.17	0.001253	± 2.5	PASS
		VN	50	4.59	0.002649	± 2.5	PASS
		VN	-30	3.88	0.002213	± 2.5	PASS
		VN	-20	0.05	0.000029	± 2.5	PASS
		VN	-10	-0.15	-0.000086	± 2.5	PASS
		VN	0	0.54	0.000308	± 2.5	PASS
		VN	10	4.69	0.002675	± 2.5	PASS
		VN	20	3.95	0.002253	± 2.5	PASS
		VN	30	3.96	0.002258	± 2.5	PASS
		VN	40	0.68	0.000388	± 2.5	PASS
		VN	50	3.67	0.002093	± 2.5	PASS
16QAM	LCH	VN	-30	-0.34	-0.000196	± 2.5	PASS
		VN	-20	1.8	0.001039	± 2.5	PASS
		VN	-10	-1.78	-0.001027	± 2.5	PASS
		VN	0	1.53	0.000883	± 2.5	PASS
		VN	10	2.13	0.001229	± 2.5	PASS
		VN	20	2.52	0.001455	± 2.5	PASS
		VN	30	-1.26	-0.000727	± 2.5	PASS
		VN	40	3.58	0.002066	± 2.5	PASS
		VN	50	0.12	0.000069	± 2.5	PASS
	MCH	VN	-30	0.55	0.000314	± 2.5	PASS
		VN	-20	-0.7	-0.000399	± 2.5	PASS
		VN	-10	-0.28	-0.000160	± 2.5	PASS
		VN	0	4.99	0.002846	± 2.5	PASS
		VN	10	1.05	0.000599	± 2.5	PASS
		VN	20	3.3	0.001882	± 2.5	PASS
		VN	30	-0.17	-0.000097	± 2.5	PASS
		VN	40	-0.18	-0.000103	± 2.5	PASS
	HCH	VN	50	0.34	0.000194	± 2.5	PASS
		VN	-30	3.13	0.001785	± 2.5	PASS
		VN	-20	-1.98	-0.001129	± 2.5	PASS
		VN	-10	1.96	0.001118	± 2.5	PASS
		VN	0	-1.03	-0.000587	± 2.5	PASS
		VN	10	3.11	0.001774	± 2.5	PASS
		VN	20	0.89	0.000508	± 2.5	PASS
		VN	30	-1.13	-0.000644	± 2.5	PASS

		VN	40	-0.27	-0.000154	± 2.5	PASS
		VN	50	-1.38	-0.000787	± 2.5	PASS

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	4.8	0.002803	± 2.5	PASS
		VN	TN	0.43	0.000251	± 2.5	PASS
		VH	TN	-1.05	-0.000613	± 2.5	PASS
	MCH	VL	TN	2.48	0.001431	± 2.5	PASS
		VN	TN	3.86	0.002228	± 2.5	PASS
		VH	TN	-0.22	-0.000127	± 2.5	PASS
	HCH	VL	TN	1.99	0.001136	± 2.5	PASS
		VN	TN	-1.48	-0.000845	± 2.5	PASS
		VH	TN	-1.68	-0.000959	± 2.5	PASS
16QAM	LCH	VL	TN	4.95	0.002891	± 2.5	PASS
		VN	TN	-1.03	-0.000601	± 2.5	PASS
		VH	TN	0.86	0.000502	± 2.5	PASS
	MCH	VL	TN	1.18	0.000681	± 2.5	PASS
		VN	TN	4.67	0.002696	± 2.5	PASS
		VH	TN	0.92	0.000531	± 2.5	PASS
	HCH	VL	TN	4.46	0.002545	± 2.5	PASS
		VN	TN	0.91	0.000519	± 2.5	PASS
		VH	TN	4.93	0.002813	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.68	-0.000981	± 2.5	PASS
		VN	-20	2.28	0.001331	± 2.5	PASS
		VN	-10	1.96	0.001145	± 2.5	PASS
		VN	0	-1.85	-0.001080	± 2.5	PASS
		VN	10	3.34	0.001950	± 2.5	PASS
		VN	20	1.66	0.000969	± 2.5	PASS
		VN	30	-1.4	-0.000818	± 2.5	PASS
		VN	40	2.94	0.001717	± 2.5	PASS
		VN	50	0.89	0.000520	± 2.5	PASS
	MCH	VN	-30	3.99	0.002303	± 2.5	PASS
		VN	-20	-0.1	-0.000058	± 2.5	PASS
		VN	-10	-0.45	-0.000260	± 2.5	PASS

	HCH	VN	0	-0.49	-0.000283	± 2.5	PASS
		VN	10	0.58	0.000335	± 2.5	PASS
		VN	20	4.94	0.002851	± 2.5	PASS
		VN	30	-1.18	-0.000681	± 2.5	PASS
		VN	40	2.82	0.001628	± 2.5	PASS
		VN	50	-1.56	-0.000900	± 2.5	PASS
		VN	-30	-0.53	-0.000302	± 2.5	PASS
		VN	-20	-0.21	-0.000110	± 2.5	PASS
		VN	-10	4.35	0.002280	± 2.5	PASS
		VN	0	-1.96	-0.001028	± 2.5	PASS
16QAM	LCH	VN	10	-0.03	-0.000016	± 2.5	PASS
		VN	20	3.95	0.002071	± 2.5	PASS
		VN	30	-1.83	-0.000959	± 2.5	PASS
		VN	40	1.78	0.000933	± 2.5	PASS
		VN	50	1.63	0.000855	± 2.5	PASS
		VN	-30	2.54	0.001466	± 2.5	PASS
		VN	-20	2.37	0.001368	± 2.5	PASS
		VN	-10	0.67	0.000387	± 2.5	PASS
		VN	0	4.97	0.002869	± 2.5	PASS
	MCH	VN	10	0.45	0.000260	± 2.5	PASS
		VN	20	2.78	0.001605	± 2.5	PASS
		VN	30	2.45	0.001414	± 2.5	PASS
		VN	40	3.94	0.002274	± 2.5	PASS
		VN	50	1.32	0.000762	± 2.5	PASS
		VN	-30	2.09	0.001193	± 2.5	PASS
		VN	-20	-0.86	-0.000491	± 2.5	PASS
		VN	-10	0.95	0.000542	± 2.5	PASS
		VN	0	1.78	0.001016	± 2.5	PASS
	HCH	VN	10	3.31	0.001889	± 2.5	PASS
		VN	20	3.2	0.001826	± 2.5	PASS
		VN	30	4.6	0.002625	± 2.5	PASS
		VN	40	1.11	0.000633	± 2.5	PASS
		VN	50	3.56	0.002031	± 2.5	PASS
		VN	-30	2.71	0.001421	± 2.5	PASS
		VN	-20	3.93	0.002060	± 2.5	PASS
		VN	-10	-0.97	-0.000509	± 2.5	PASS
		VN	0	3.45	0.001809	± 2.5	PASS

		VN	50	0.57	0.000299	± 2.5	PASS
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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	3.93	0.002292	± 2.5	PASS
		VN	TN	1.78	0.001038	± 2.5	PASS
		VH	TN	3.37	0.001965	± 2.5	PASS
	MCH	VL	TN	3.63	0.002095	± 2.5	PASS
		VN	TN	1.79	0.001033	± 2.5	PASS
		VH	TN	-1.94	-0.001120	± 2.5	PASS
	HCH	VL	TN	-1.24	-0.000709	± 2.5	PASS
		VN	TN	3.8	0.002171	± 2.5	PASS
		VH	TN	4.65	0.002657	± 2.5	PASS
16QAM	LCH	VL	TN	-1.99	-0.001160	± 2.5	PASS
		VN	TN	4.07	0.002373	± 2.5	PASS
		VH	TN	-0.07	-0.000041	± 2.5	PASS
	MCH	VL	TN	3.25	0.001876	± 2.5	PASS
		VN	TN	2.32	0.001339	± 2.5	PASS
		VH	TN	-1.73	-0.000999	± 2.5	PASS
	HCH	VL	TN	4.16	0.002377	± 2.5	PASS
		VN	TN	2.32	0.001326	± 2.5	PASS
		VH	TN	-0.1	-0.000057	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	2.68	0.001563	± 2.5	PASS
		VN	-20	-1.58	-0.000921	± 2.5	PASS
		VN	-10	3.9	0.002274	± 2.5	PASS
		VN	0	4.77	0.002781	± 2.5	PASS
		VN	10	1.15	0.000671	± 2.5	PASS
		VN	20	2.23	0.001300	± 2.5	PASS
		VN	30	-0.76	-0.000443	± 2.5	PASS
		VN	40	-0.12	-0.000070	± 2.5	PASS
		VN	50	1.36	0.000793	± 2.5	PASS
	MCH	VN	-30	1.01	0.000583	± 2.5	PASS
		VN	-20	1.85	0.001068	± 2.5	PASS
		VN	-10	1.65	0.000952	± 2.5	PASS
		VN	0	0.63	0.000364	± 2.5	PASS

		VN	10	1.29	0.000745	± 2.5	PASS
		VN	20	-0.69	-0.000398	± 2.5	PASS
		VN	30	2.44	0.001408	± 2.5	PASS
		VN	40	1.28	0.000739	± 2.5	PASS
		VN	50	-1.47	-0.000848	± 2.5	PASS
		VN	-30	-1.37	-0.000783	± 2.5	PASS
		VN	-20	2.11	0.001206	± 2.5	PASS
		VN	-10	4.11	0.002349	± 2.5	PASS
		VN	0	0.43	0.000246	± 2.5	PASS
		VN	10	1.83	0.001046	± 2.5	PASS
	HCH	VN	20	4.1	0.002343	± 2.5	PASS
		VN	30	4.09	0.002337	± 2.5	PASS
		VN	40	2.57	0.001469	± 2.5	PASS
		VN	50	4.42	0.002526	± 2.5	PASS
		VN	-30	-0.95	-0.000548	± 2.5	PASS
		VN	-20	3.38	0.001951	± 2.5	PASS
		VN	-10	4.37	0.002522	± 2.5	PASS
		VN	0	-0.46	-0.000266	± 2.5	PASS
		VN	10	-1.97	-0.001137	± 2.5	PASS
		VN	20	1.16	0.000670	± 2.5	PASS
	LCH	VN	30	1.62	0.000935	± 2.5	PASS
		VN	40	0.89	0.000514	± 2.5	PASS
		VN	50	-0.7	-0.000404	± 2.5	PASS
		VN	-30	2.63	0.001503	± 2.5	PASS
		VN	-20	3.77	0.002154	± 2.5	PASS
		VN	-10	0.68	0.000389	± 2.5	PASS
		VN	0	2.66	0.001520	± 2.5	PASS
		VN	10	-0.37	-0.000211	± 2.5	PASS
		VN	20	1.37	0.000783	± 2.5	PASS
		VN	30	1.95	0.001114	± 2.5	PASS
	MCH	VN	40	-0.89	-0.000509	± 2.5	PASS
		VN	50	-1.57	-0.000897	± 2.5	PASS
		VN	-30	3.15	0.001800	± 2.5	PASS
		VN	-20	3.92	0.002240	± 2.5	PASS
		VN	-10	3.92	0.002240	± 2.5	PASS
		VN	0	-0.06	-0.000034	± 2.5	PASS
		VN	10	2.1	0.001200	± 2.5	PASS
		VN	20	-0.65	-0.000371	± 2.5	PASS
		VN	30	1.72	0.000983	± 2.5	PASS
		VN	40	1.46	0.000834	± 2.5	PASS
	HCH	VN	50	-1.8	-0.001029	± 2.5	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	4.11	0.002393	± 2.5	PASS
		VN	TN	2.06	0.001199	± 2.5	PASS
		VH	TN	3.3	0.001921	± 2.5	PASS
	MCH	VL	TN	-0.95	-0.000548	± 2.5	PASS
		VN	TN	3.53	0.002038	± 2.5	PASS
		VH	TN	-1.77	-0.001022	± 2.5	PASS
	HCH	VL	TN	0.46	0.000263	± 2.5	PASS
		VN	TN	0.98	0.000561	± 2.5	PASS
		VH	TN	-1.78	-0.001019	± 2.5	PASS
16QAM	LCH	VL	TN	-0.79	-0.000460	± 2.5	PASS
		VN	TN	2.67	0.001555	± 2.5	PASS
		VH	TN	4.76	0.002771	± 2.5	PASS
	MCH	VL	TN	0.73	0.000421	± 2.5	PASS
		VN	TN	3.57	0.002061	± 2.5	PASS
		VH	TN	2.9	0.001674	± 2.5	PASS
	HCH	VL	TN	2.4	0.001373	± 2.5	PASS
		VN	TN	4.99	0.002856	± 2.5	PASS
		VH	TN	-0.97	-0.000555	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.61	0.002102	± 2.5	PASS
		VN	-20	3.73	0.002172	± 2.5	PASS
		VN	-10	1.92	0.001118	± 2.5	PASS
		VN	0	3.37	0.001962	± 2.5	PASS
		VN	10	3.25	0.001892	± 2.5	PASS
		VN	20	2.09	0.001217	± 2.5	PASS
		VN	30	2.07	0.001205	± 2.5	PASS
		VN	40	2.22	0.001293	± 2.5	PASS
		VN	50	2.31	0.001345	± 2.5	PASS
	MCH	VN	-30	-1.15	-0.000664	± 2.5	PASS
		VN	-20	3.38	0.001951	± 2.5	PASS
		VN	-10	4.21	0.002430	± 2.5	PASS
		VN	0	-0.77	-0.000444	± 2.5	PASS
		VN	10	1.32	0.000762	± 2.5	PASS
		VN	20	4.67	0.002696	± 2.5	PASS

		VN	30	0.25	0.000144	± 2.5	PASS
		VN	40	2.22	0.001281	± 2.5	PASS
		VN	50	2.82	0.001628	± 2.5	PASS
	HCH	VN	-30	0.19	0.000109	± 2.5	PASS
		VN	-20	-1.78	-0.001019	± 2.5	PASS
		VN	-10	3.57	0.002043	± 2.5	PASS
		VN	0	1.43	0.000818	± 2.5	PASS
		VN	10	2.87	0.001642	± 2.5	PASS
		VN	20	2.74	0.001568	± 2.5	PASS
		VN	30	3.09	0.001768	± 2.5	PASS
16QAM	LCH	VN	40	2.65	0.001516	± 2.5	PASS
		VN	50	-0.98	-0.000561	± 2.5	PASS
	MCH	VN	-30	-1.76	-0.001016	± 2.5	PASS
		VN	-20	2.42	0.001397	± 2.5	PASS
		VN	-10	-0.37	-0.000214	± 2.5	PASS
		VN	0	1.27	0.000733	± 2.5	PASS
		VN	10	3.28	0.001893	± 2.5	PASS
		VN	20	-0.41	-0.000237	± 2.5	PASS
		VN	30	4.66	0.002690	± 2.5	PASS
		VN	40	-0.41	-0.000237	± 2.5	PASS
		VN	50	2.75	0.001587	± 2.5	PASS
	HCH	VN	-30	1.8	0.001030	± 2.5	PASS
		VN	-20	-0.54	-0.000309	± 2.5	PASS
		VN	-10	4.6	0.002632	± 2.5	PASS
		VN	0	4.7	0.002690	± 2.5	PASS
		VN	10	-0.24	-0.000137	± 2.5	PASS
		VN	20	1.53	0.000876	± 2.5	PASS
		VN	30	-1.31	-0.000750	± 2.5	PASS
		VN	40	-1.79	-0.001024	± 2.5	PASS
		VN	50	4	0.002289	± 2.5	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.44	-0.000256	± 2.5	PASS
		VN	TN	3.76	0.002186	± 2.5	PASS
		VH	TN	4.76	0.002767	± 2.5	PASS
	MCH	VL	TN	2.08	0.001201	± 2.5	PASS
		VN	TN	-1.71	-0.000987	± 2.5	PASS
		VH	TN	2.28	0.001316	± 2.5	PASS
	HCH	VL	TN	2.51	0.001438	± 2.5	PASS
		VN	TN	0.89	0.000510	± 2.5	PASS
		VH	TN	4.4	0.002521	± 2.5	PASS
16QAM	LCH	VL	TN	4.28	0.002488	± 2.5	PASS
		VN	TN	2.69	0.001564	± 2.5	PASS
		VH	TN	1.21	0.000703	± 2.5	PASS
	MCH	VL	TN	0.24	0.000139	± 2.5	PASS
		VN	TN	3.19	0.001841	± 2.5	PASS
		VH	TN	-1.23	-0.000710	± 2.5	PASS
	HCH	VL	TN	0.96	0.000550	± 2.5	PASS
		VN	TN	-1.5	-0.000860	± 2.5	PASS
		VH	TN	3.33	0.001908	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.97	-0.000564	± 2.5	PASS
		VN	-20	4.89	0.002843	± 2.5	PASS
		VN	-10	3.84	0.002233	± 2.5	PASS
		VN	0	3.02	0.001756	± 2.5	PASS
		VN	10	-1.47	-0.000855	± 2.5	PASS
		VN	20	4.47	0.002599	± 2.5	PASS
		VN	30	1.43	0.000831	± 2.5	PASS
		VN	40	-1.01	-0.000587	± 2.5	PASS
		VN	50	2.28	0.001326	± 2.5	PASS
	MCH	VN	-30	0.74	0.000427	± 2.5	PASS
		VN	-20	-1.22	-0.000704	± 2.5	PASS
		VN	-10	-0.69	-0.000398	± 2.5	PASS
		VN	0	-0.67	-0.000387	± 2.5	PASS
		VN	10	2.18	0.001258	± 2.5	PASS
		VN	20	-1.36	-0.000785	± 2.5	PASS

		VN	30	-0.09	-0.000052	± 2.5	PASS
		VN	40	3.63	0.002095	± 2.5	PASS
		VN	50	-0.02	-0.000012	± 2.5	PASS
	HCH	VN	-30	1.87	0.001072	± 2.5	PASS
		VN	-20	1.24	0.000711	± 2.5	PASS
		VN	-10	0.55	0.000315	± 2.5	PASS
		VN	0	-0.37	-0.000212	± 2.5	PASS
		VN	10	1.61	0.000923	± 2.5	PASS
		VN	20	1.95	0.001117	± 2.5	PASS
		VN	30	1.69	0.000968	± 2.5	PASS
16QAM	LCH	VN	40	-0.76	-0.000436	± 2.5	PASS
		VN	50	3.6	0.002063	± 2.5	PASS
	MCH	VN	-30	1.98	0.001143	± 2.5	PASS
		VN	-20	1.53	0.000883	± 2.5	PASS
		VN	-10	-0.3	-0.000173	± 2.5	PASS
		VN	0	3.15	0.001818	± 2.5	PASS
		VN	10	-1.69	-0.000975	± 2.5	PASS
		VN	20	-0.88	-0.000508	± 2.5	PASS
		VN	30	-1.44	-0.000831	± 2.5	PASS
		VN	40	3.66	0.002113	± 2.5	PASS
		VN	50	-0.26	-0.000150	± 2.5	PASS
	HCH	VN	-30	2.71	0.001553	± 2.5	PASS
		VN	-20	2.76	0.001582	± 2.5	PASS
		VN	-10	3.61	0.002069	± 2.5	PASS
		VN	0	0.52	0.000298	± 2.5	PASS
		VN	10	4.63	0.002653	± 2.5	PASS
		VN	20	-0.41	-0.000235	± 2.5	PASS
		VN	30	2.93	0.001679	± 2.5	PASS
		VN	40	3.64	0.002086	± 2.5	PASS
		VN	50	-1.22	-0.000699	± 2.5	PASS