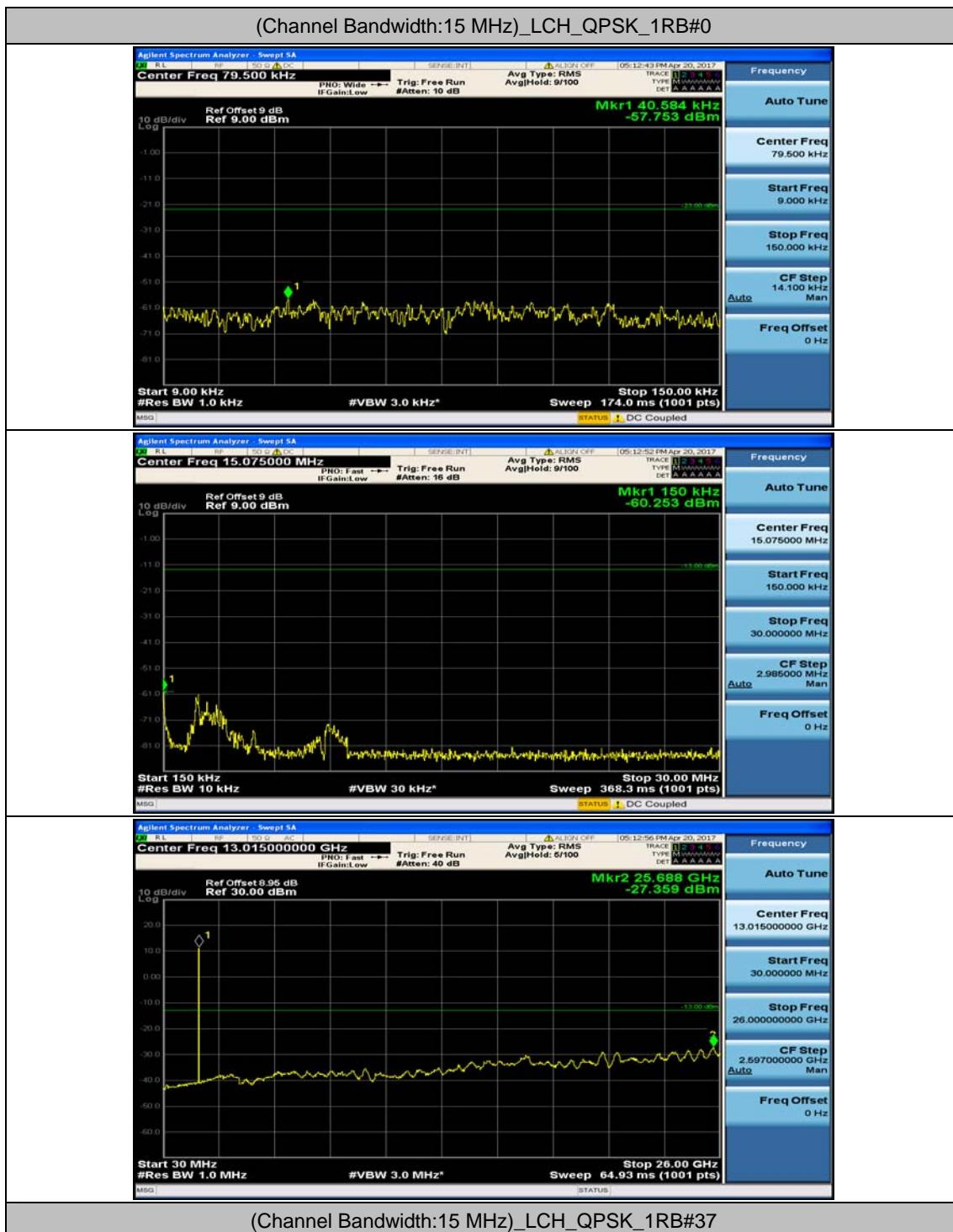
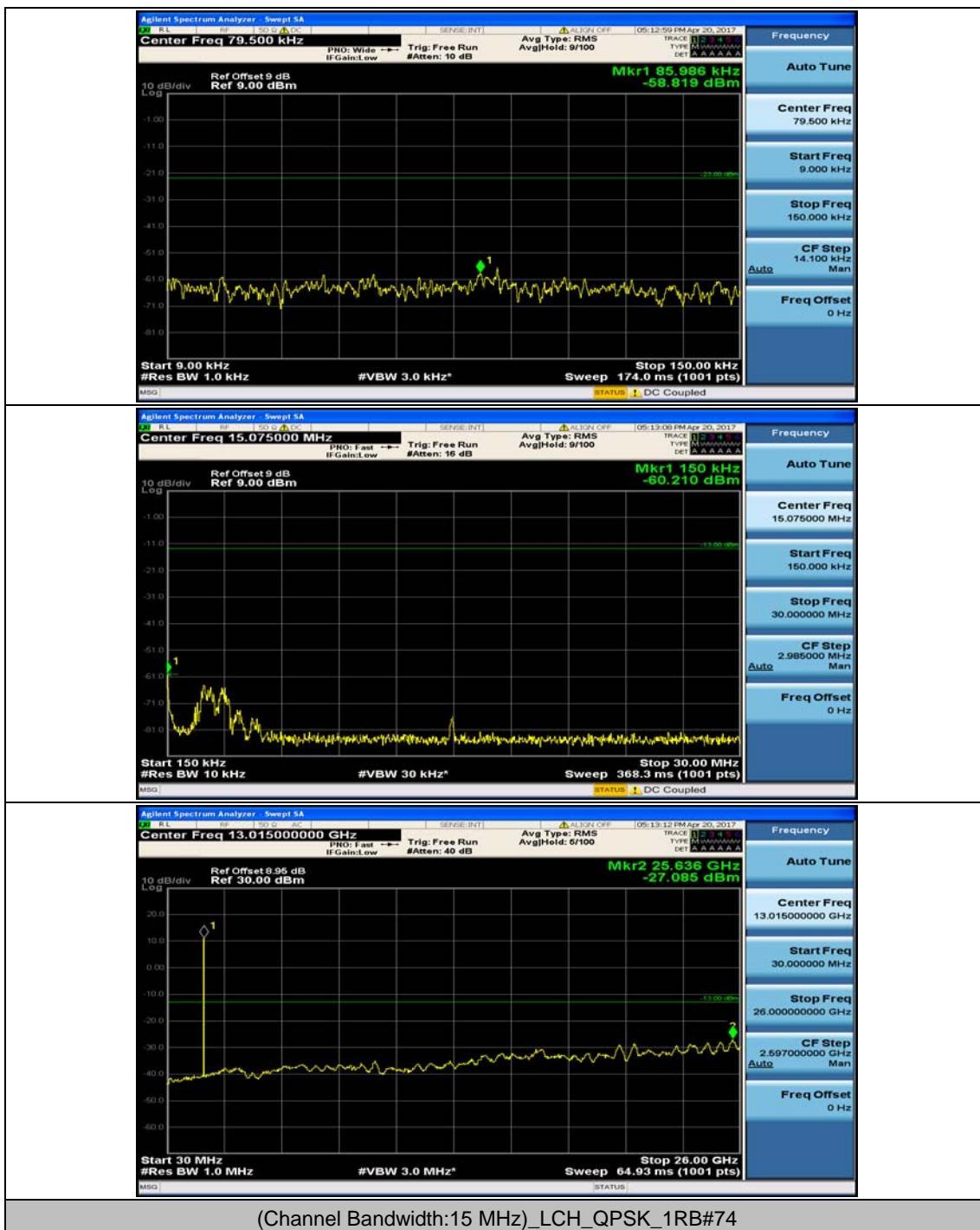
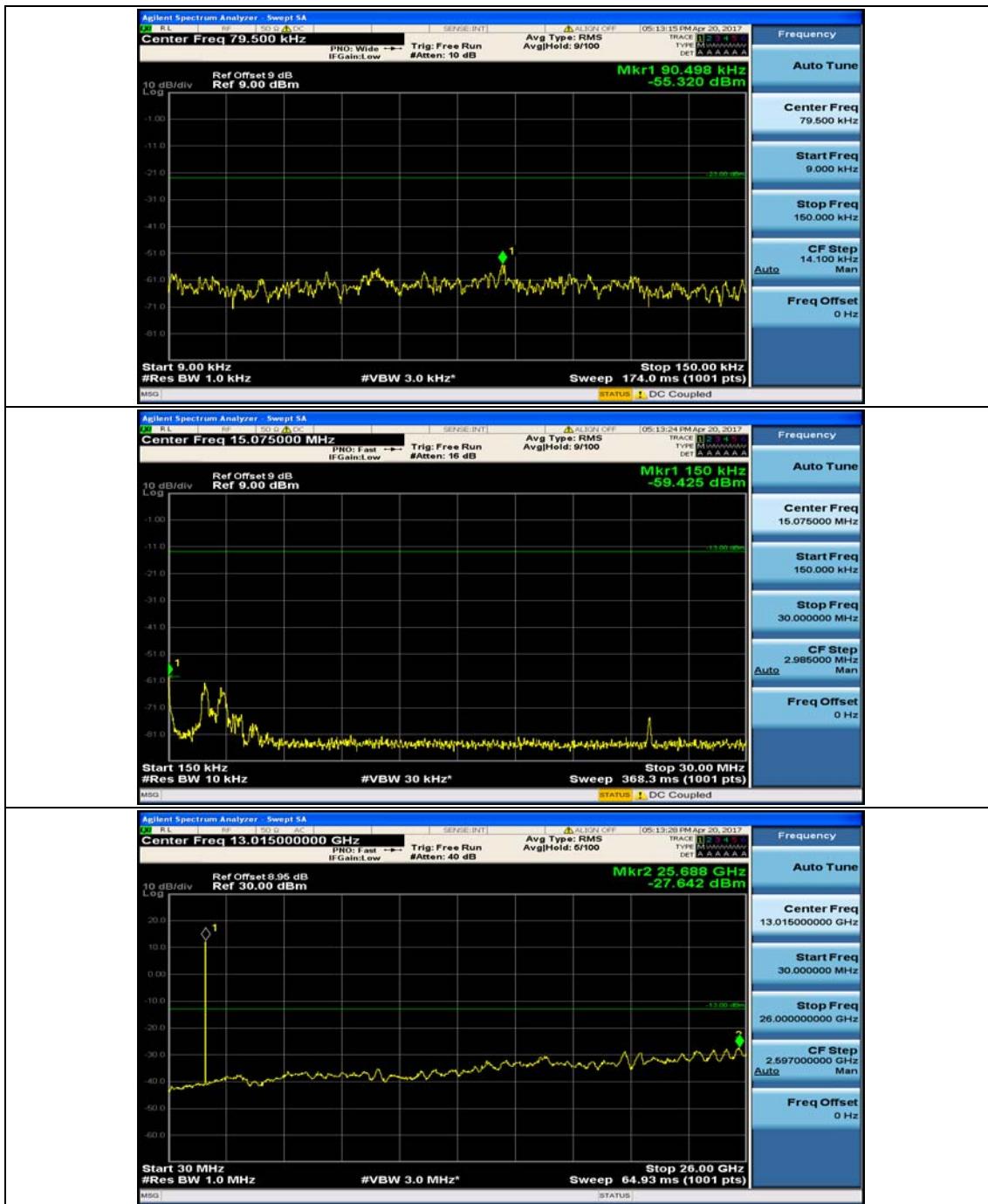
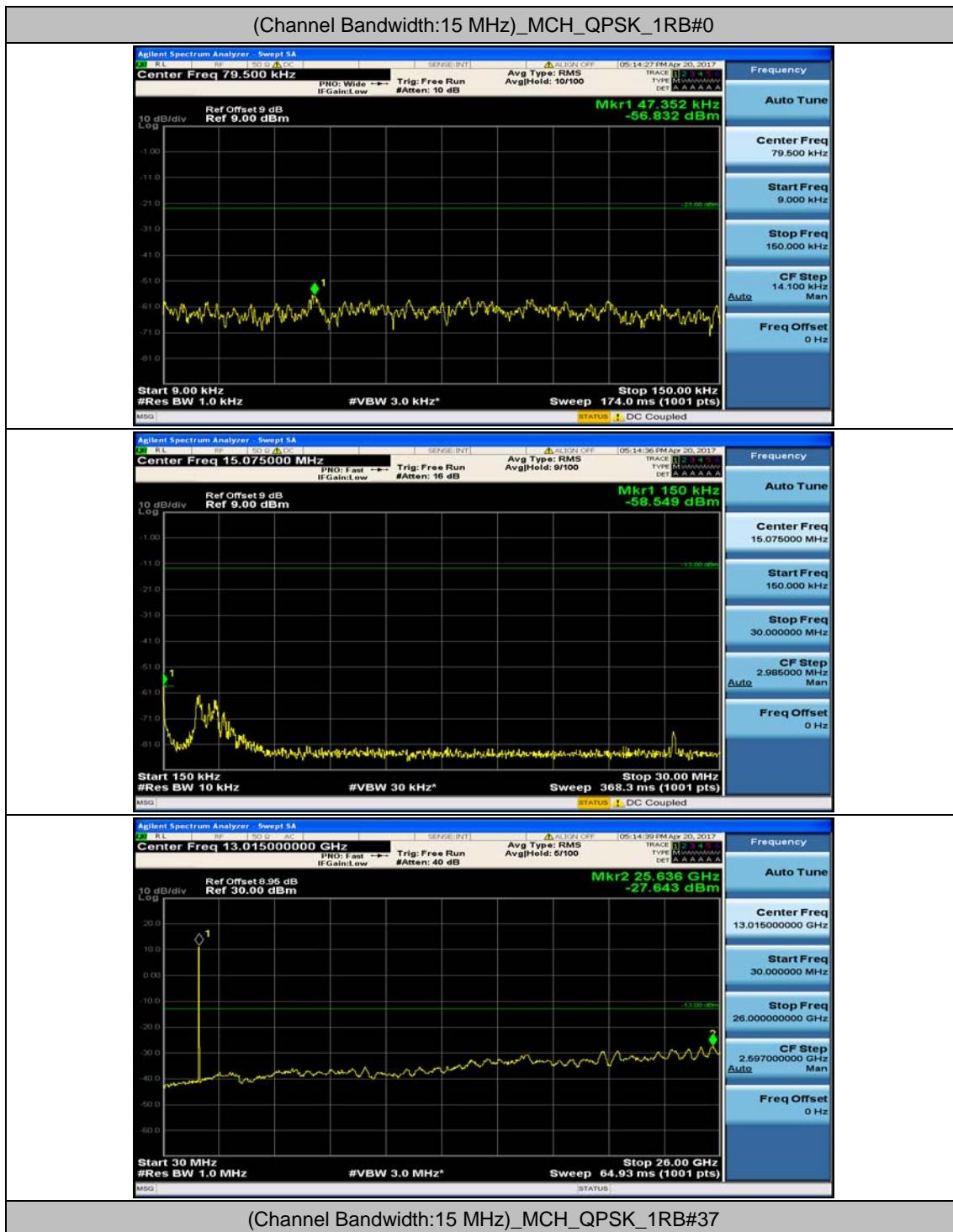


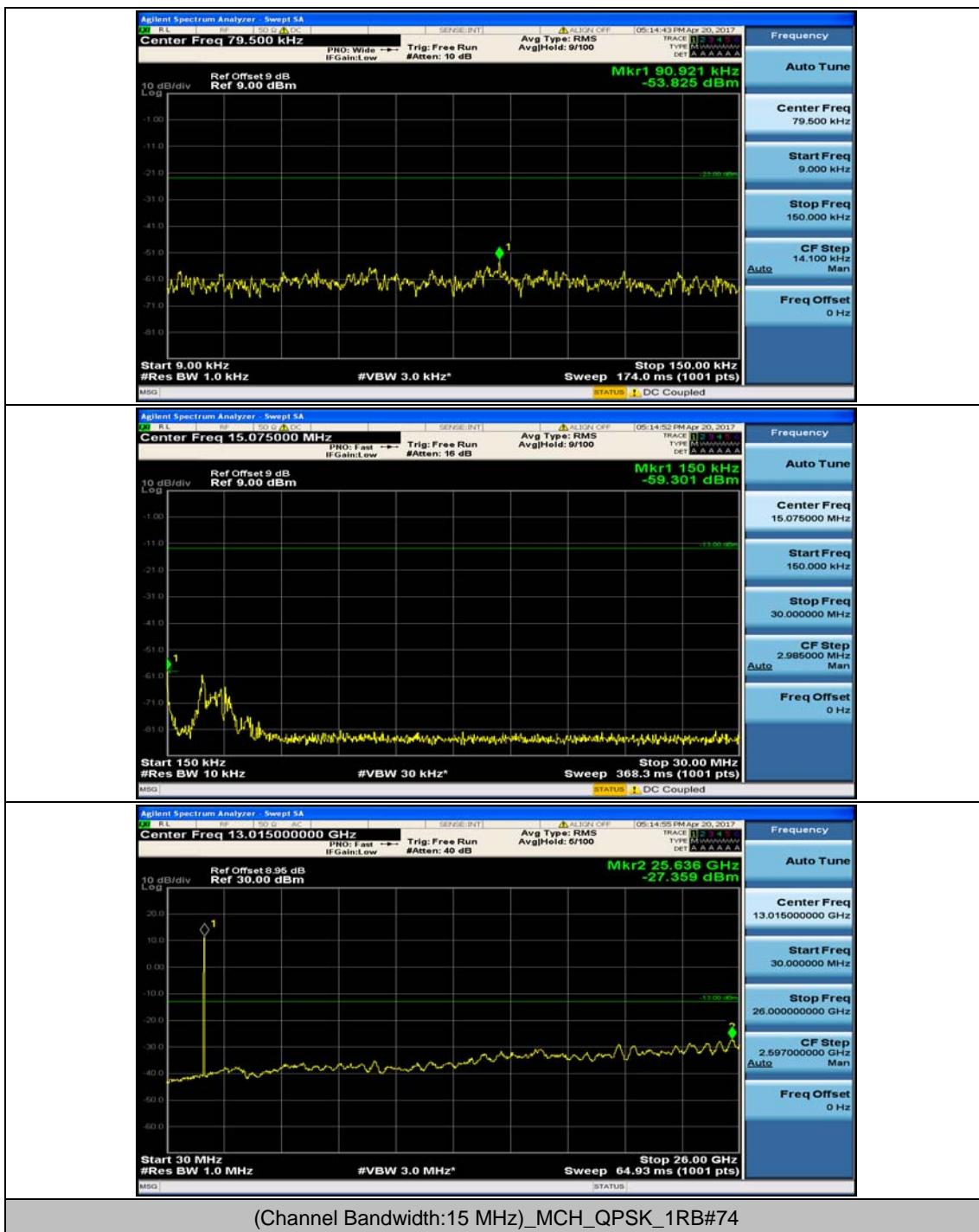
Channel Bandwidth: 15 MHz

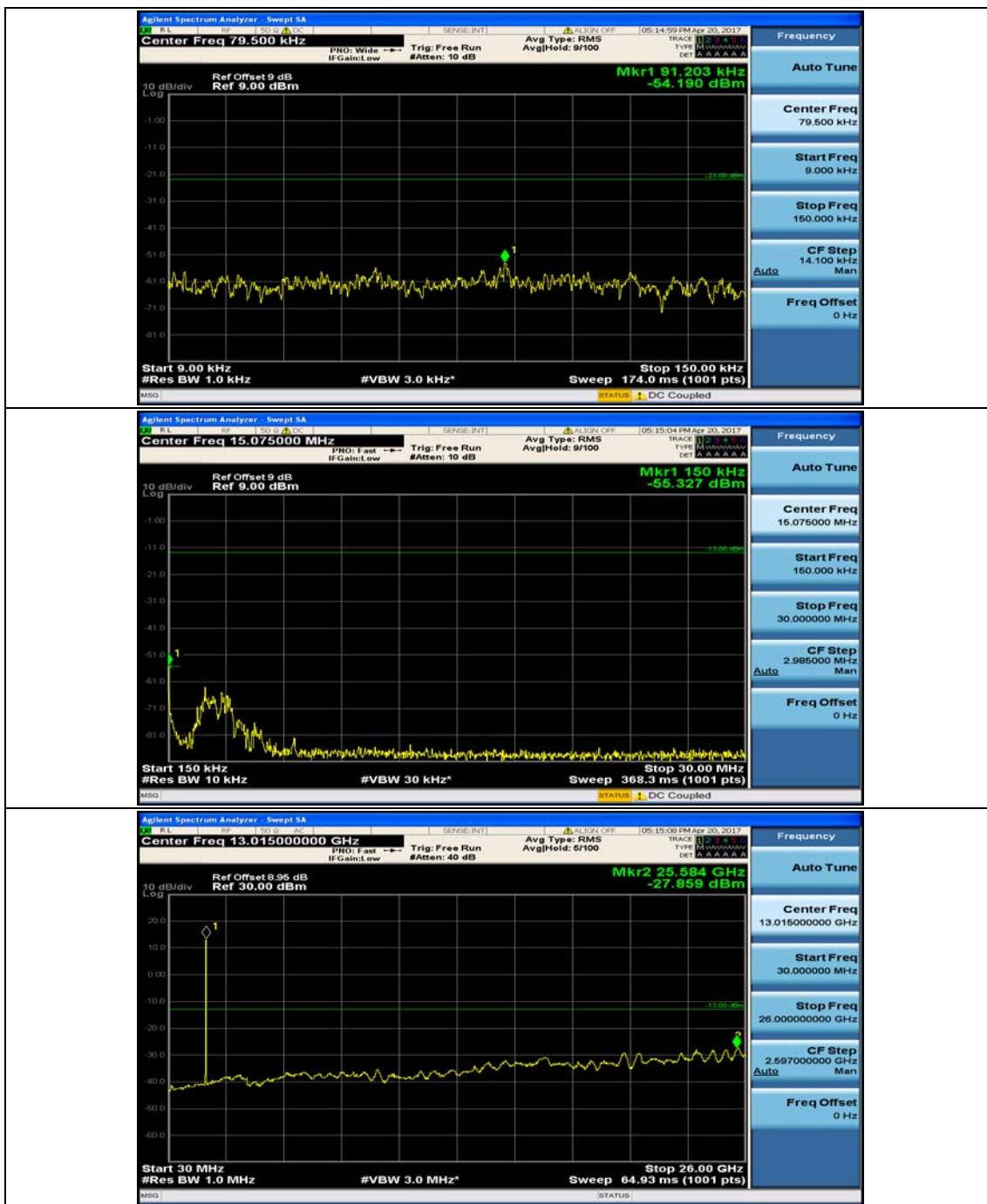


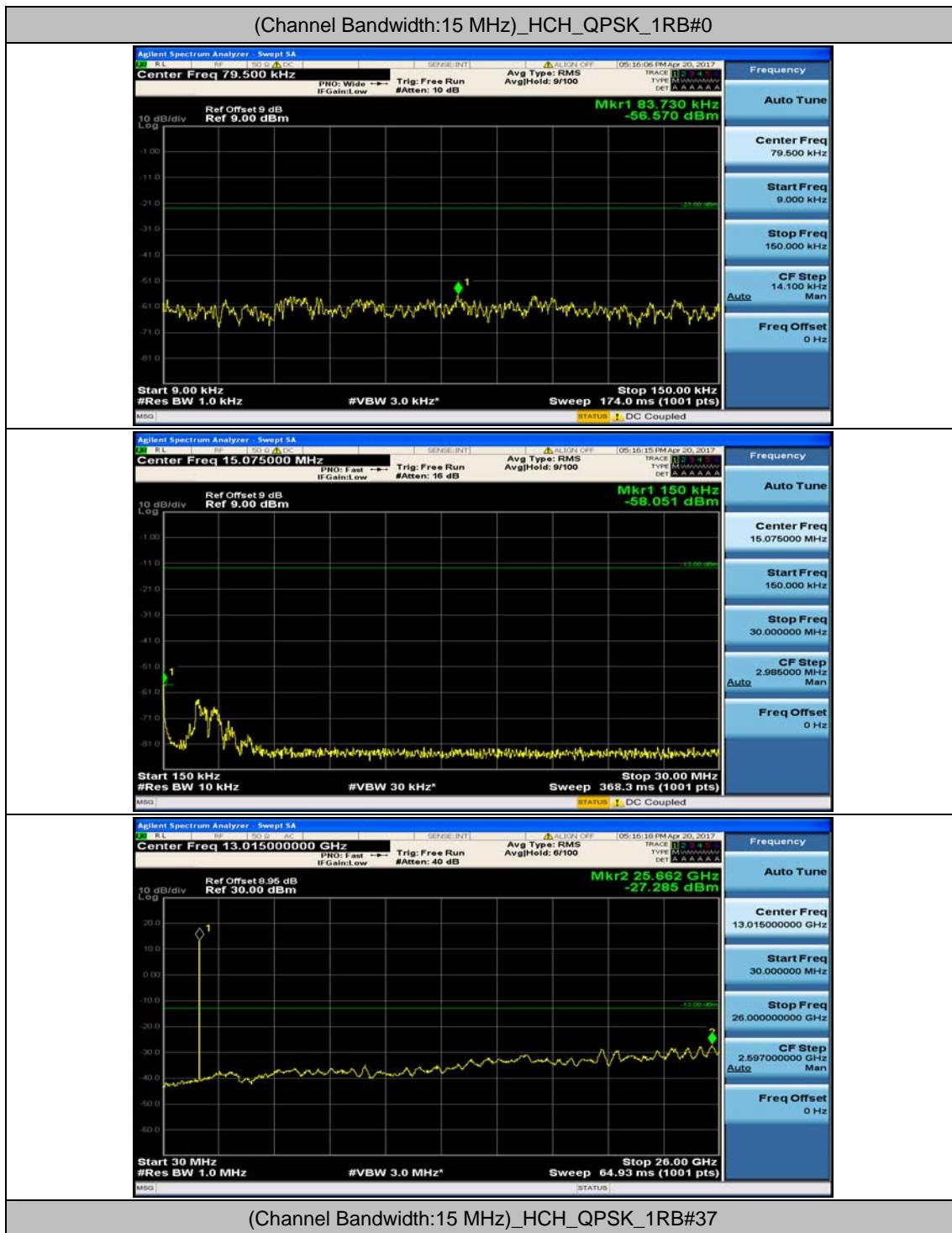


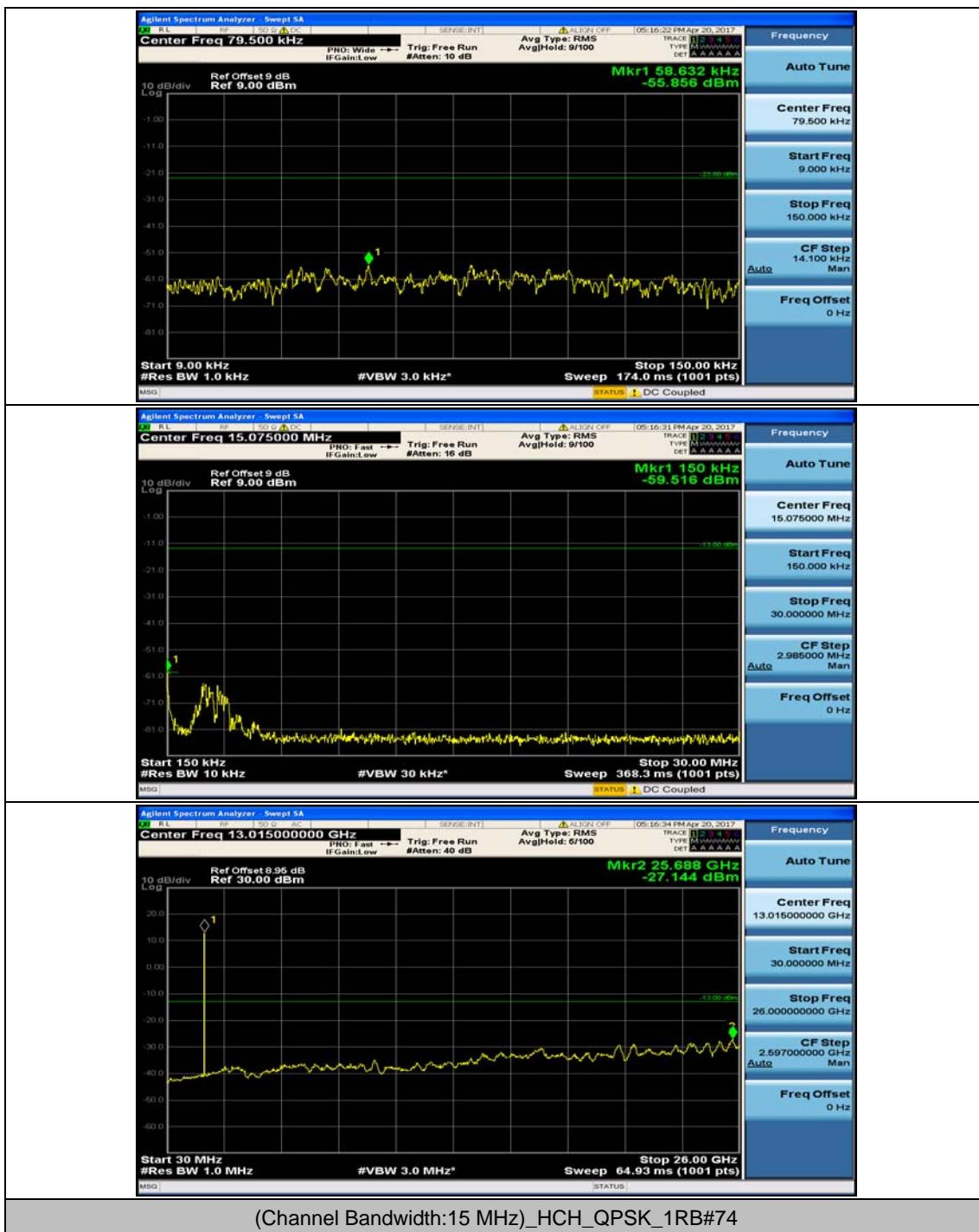


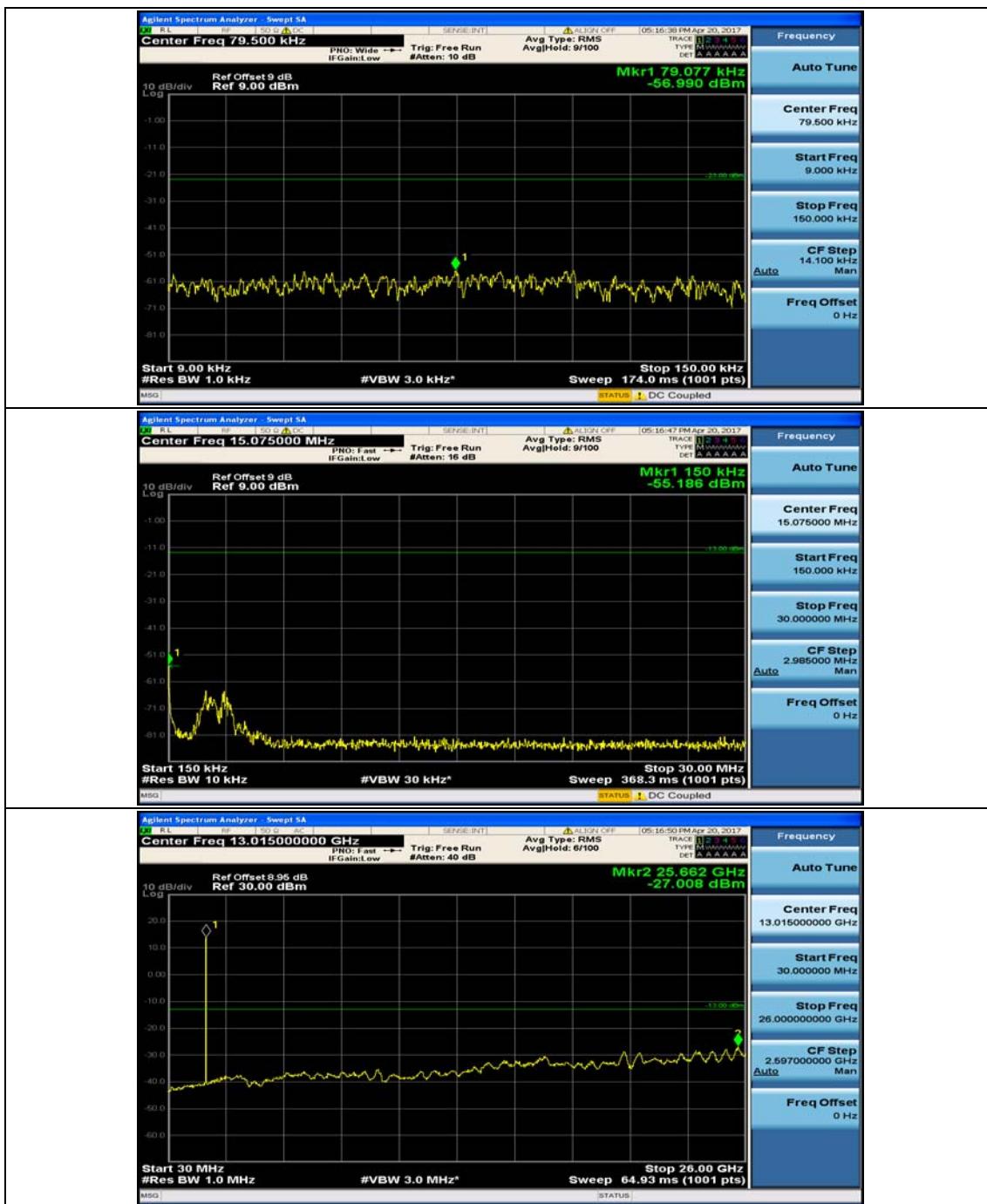


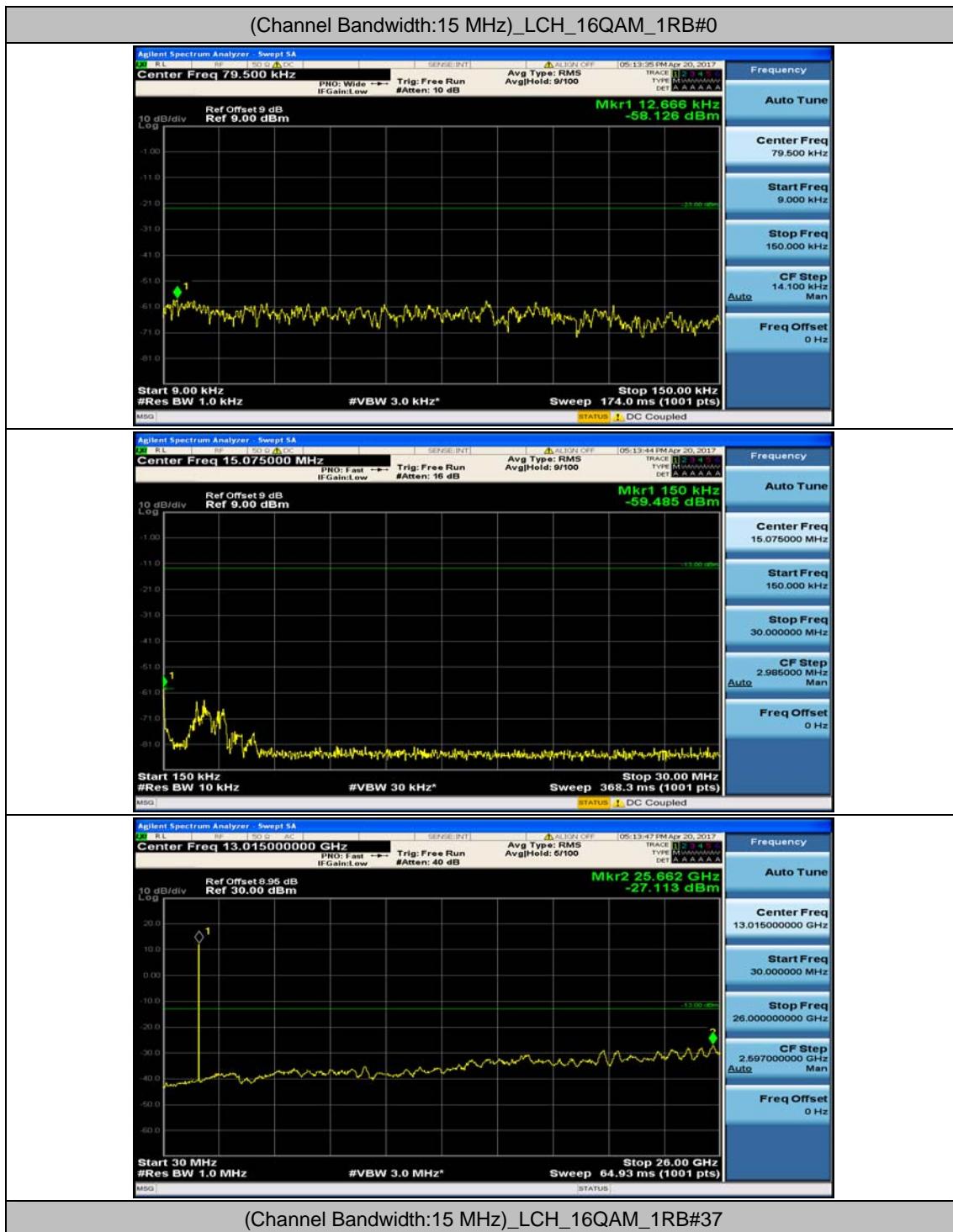


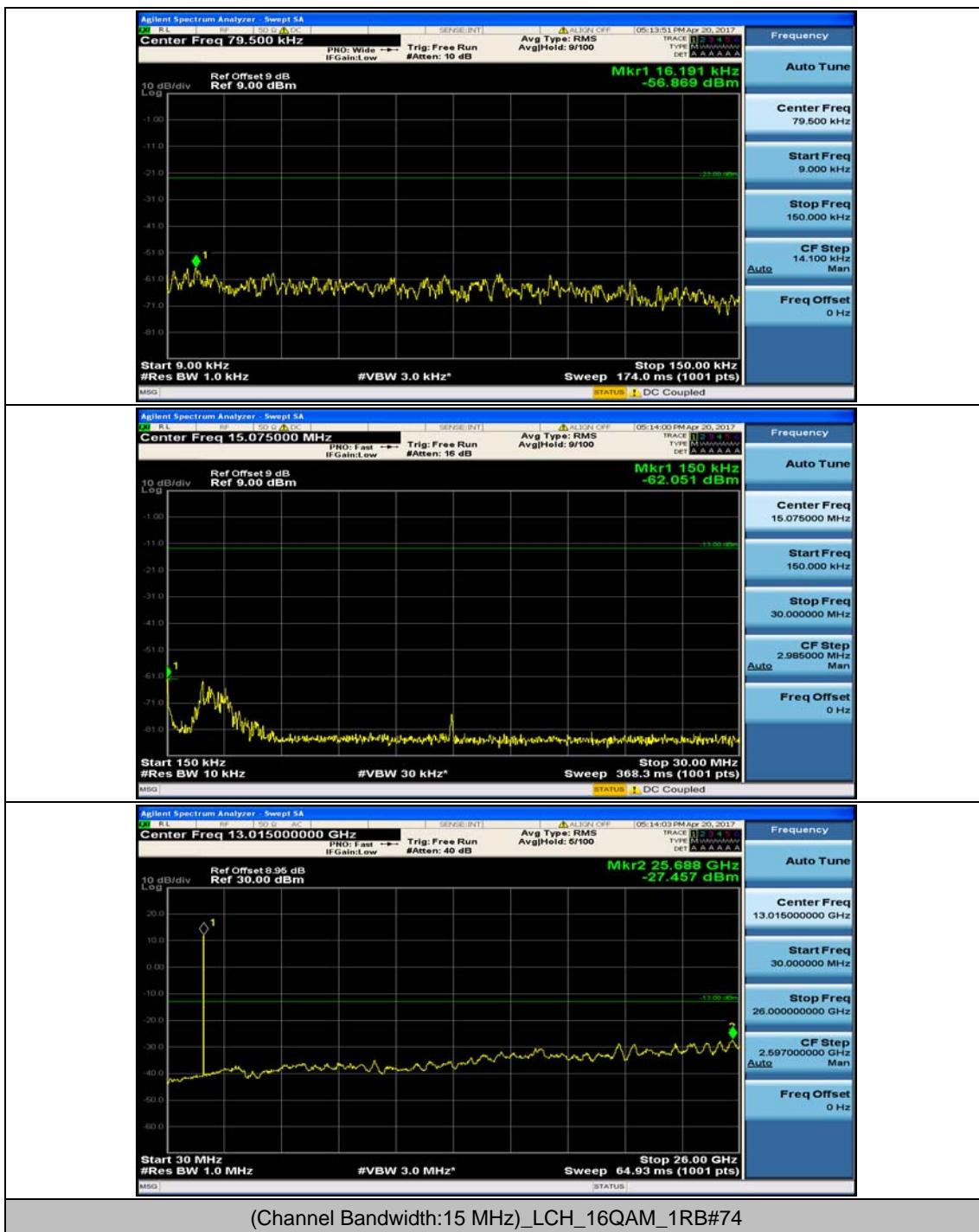


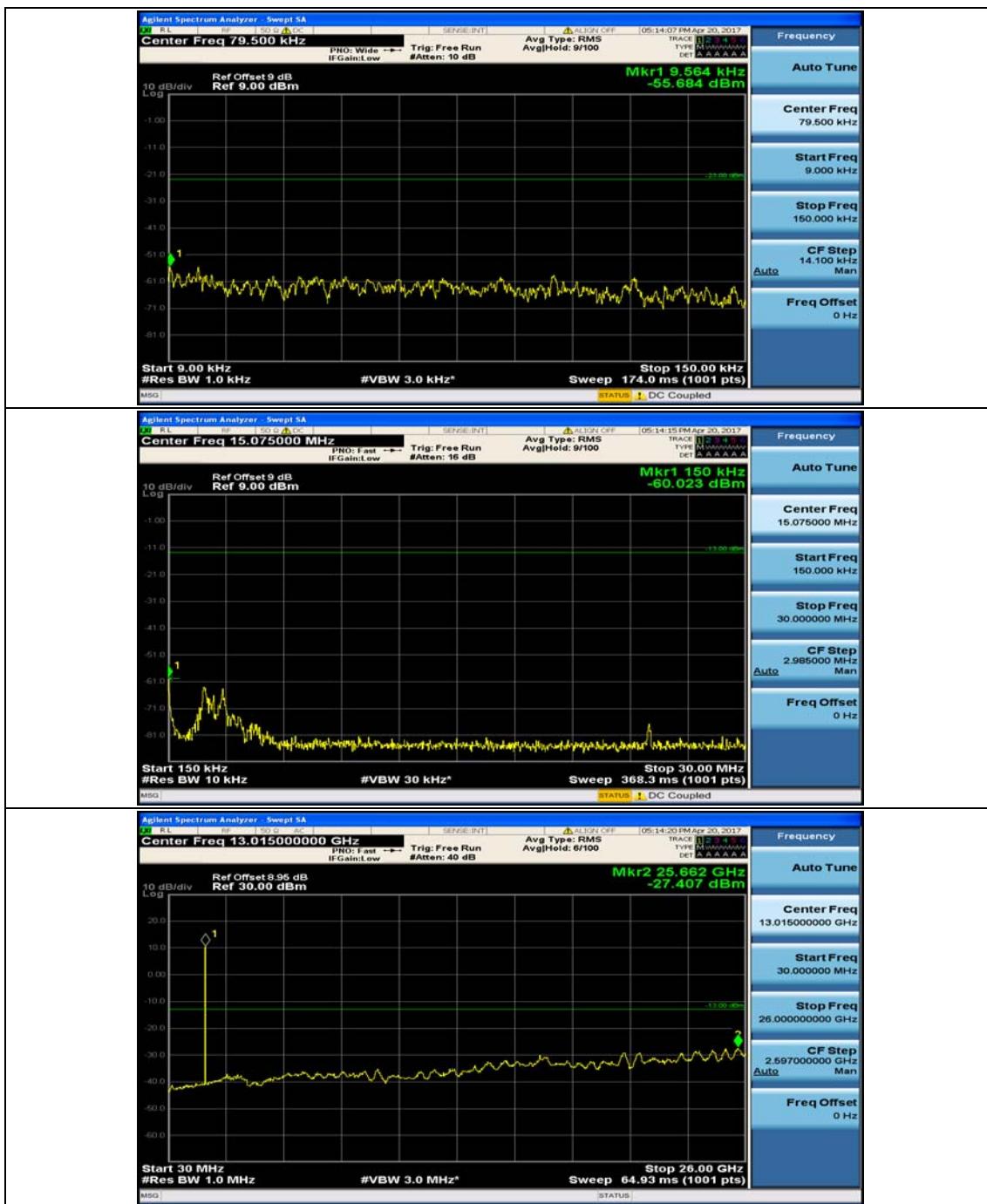


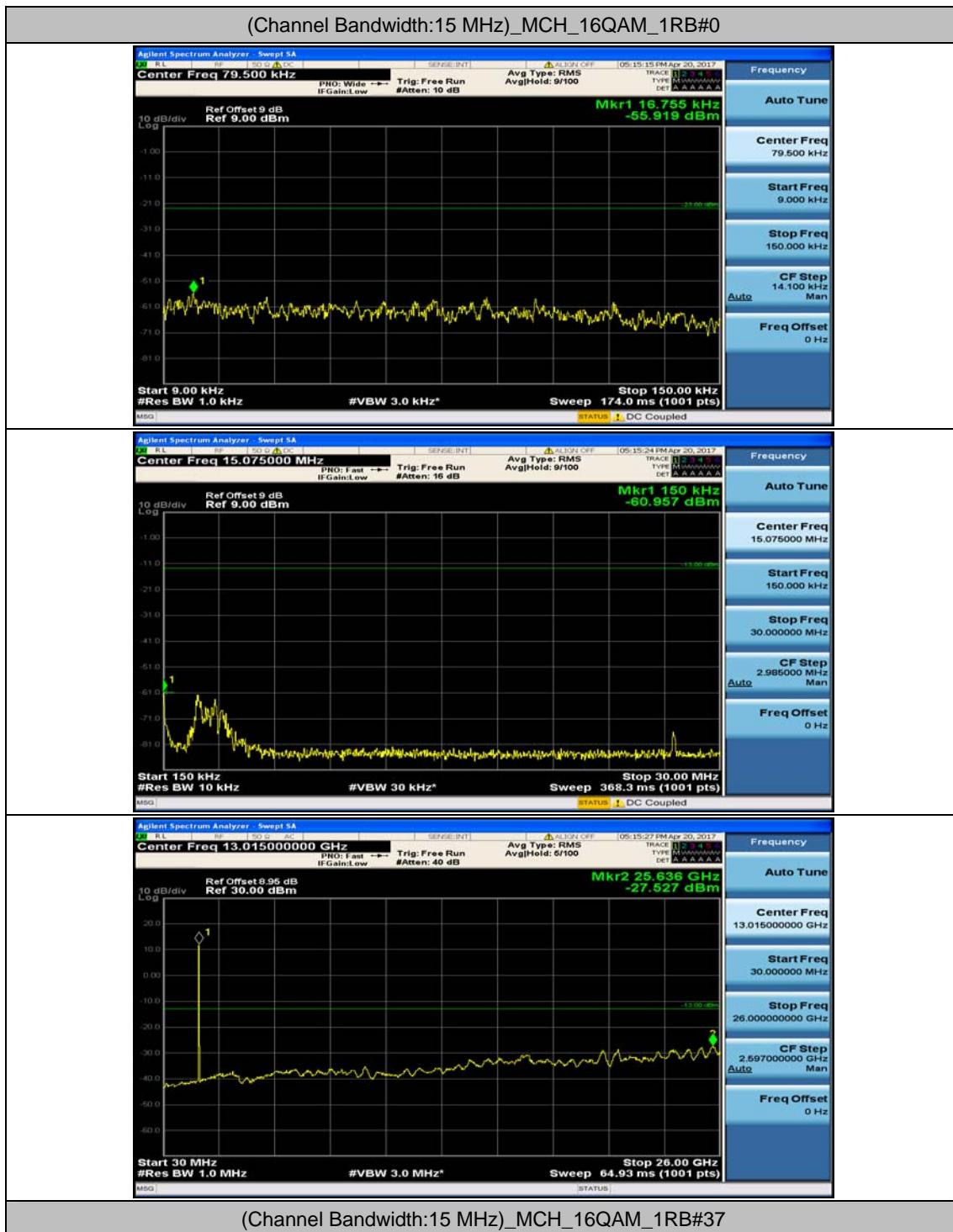


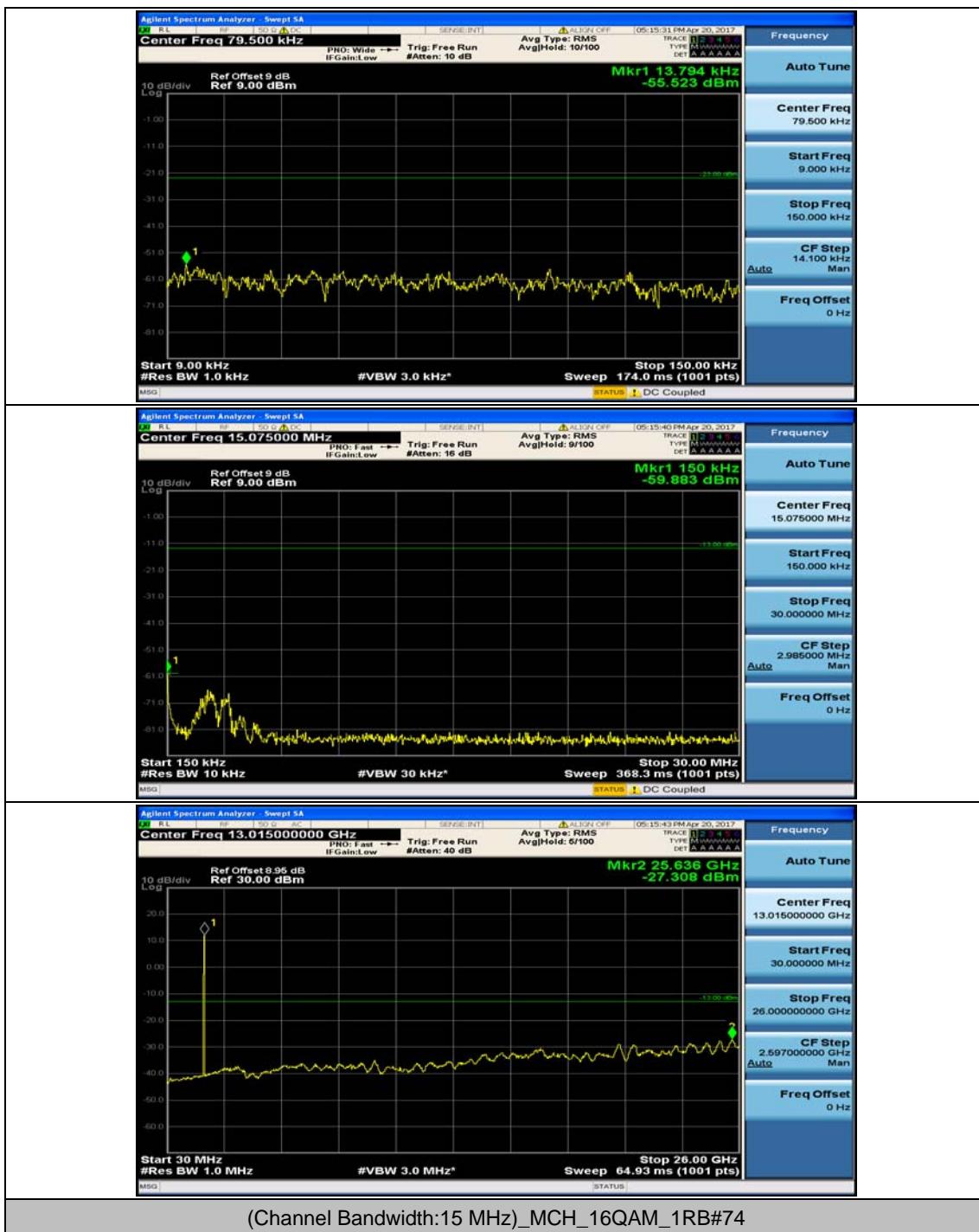


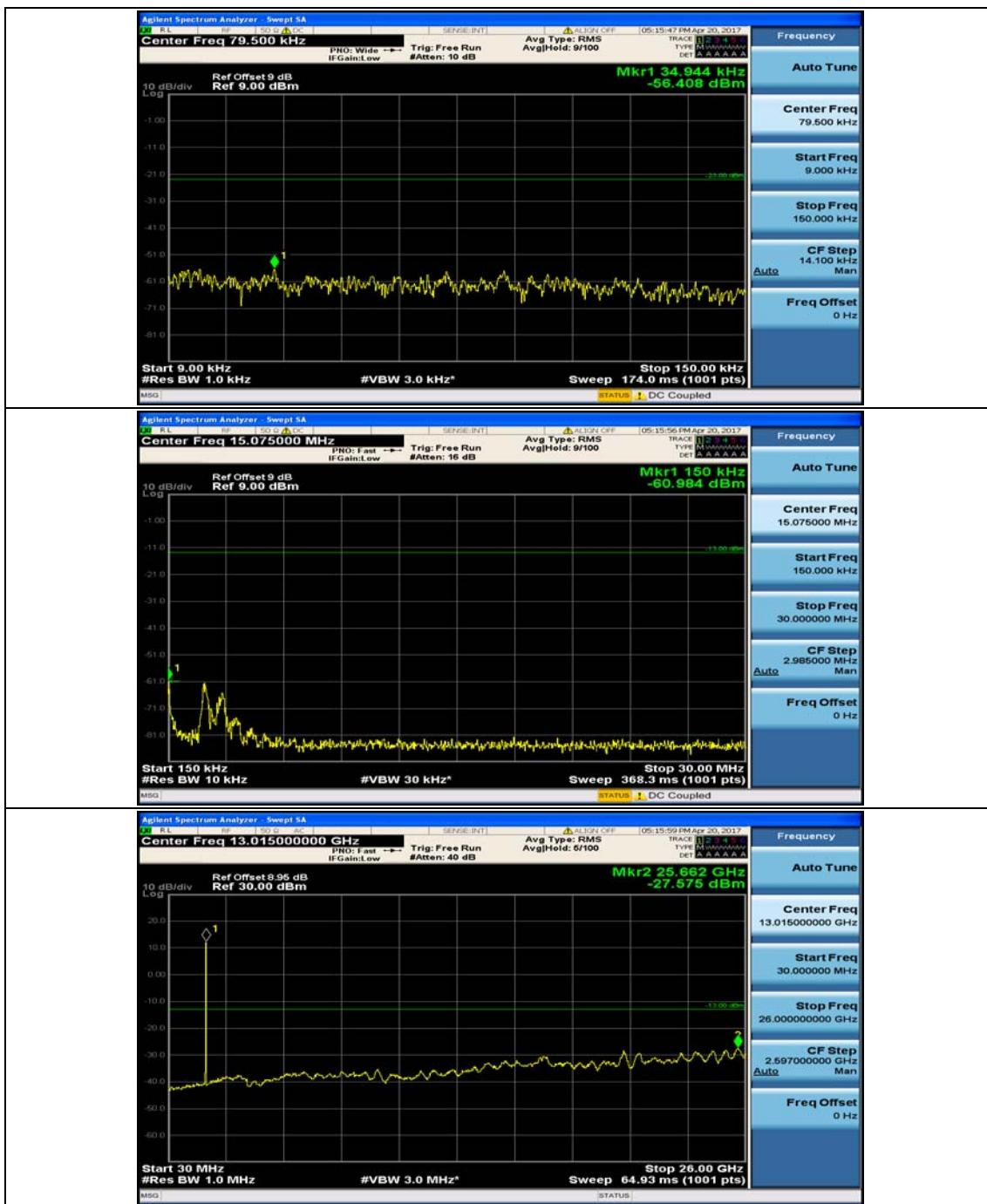


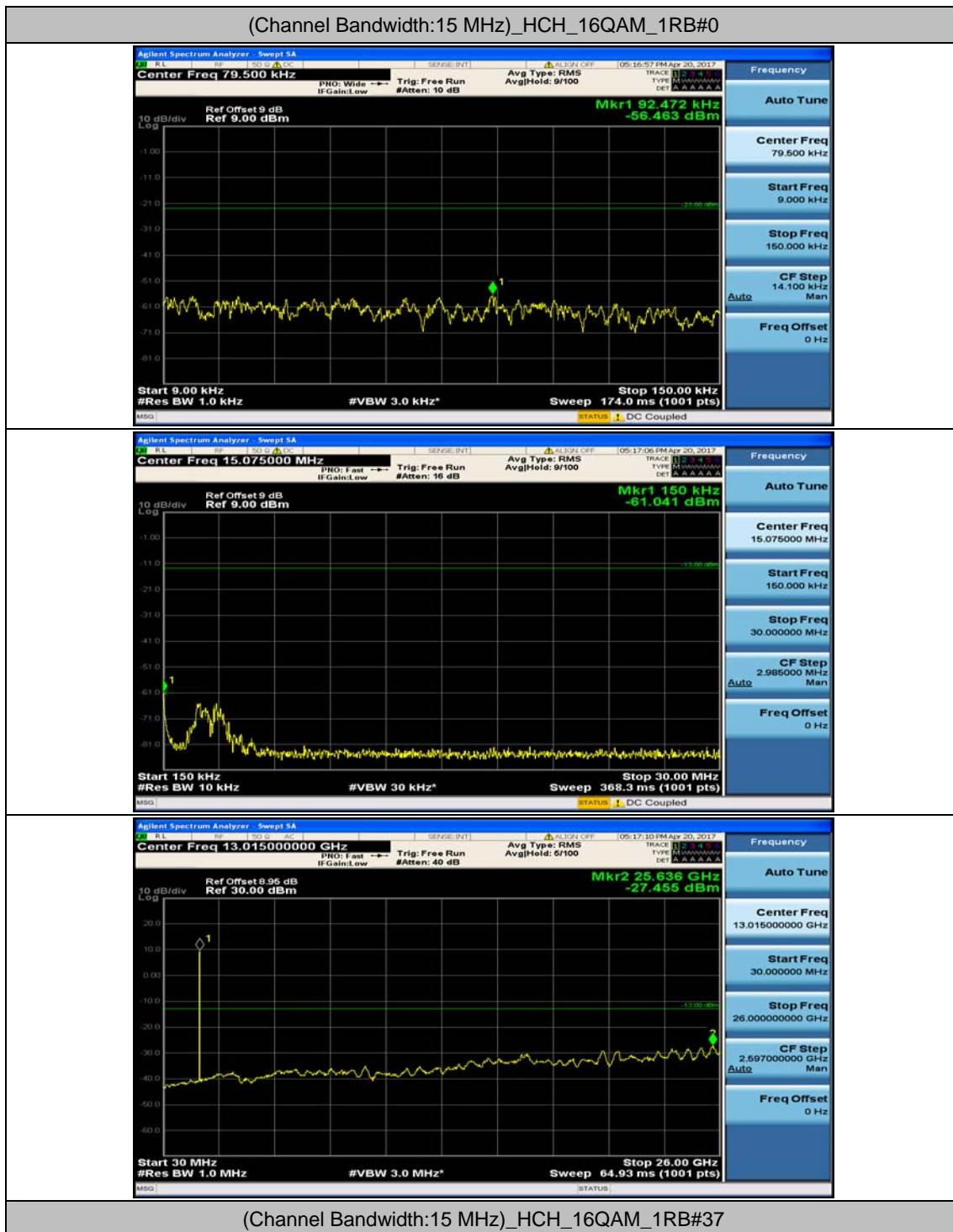


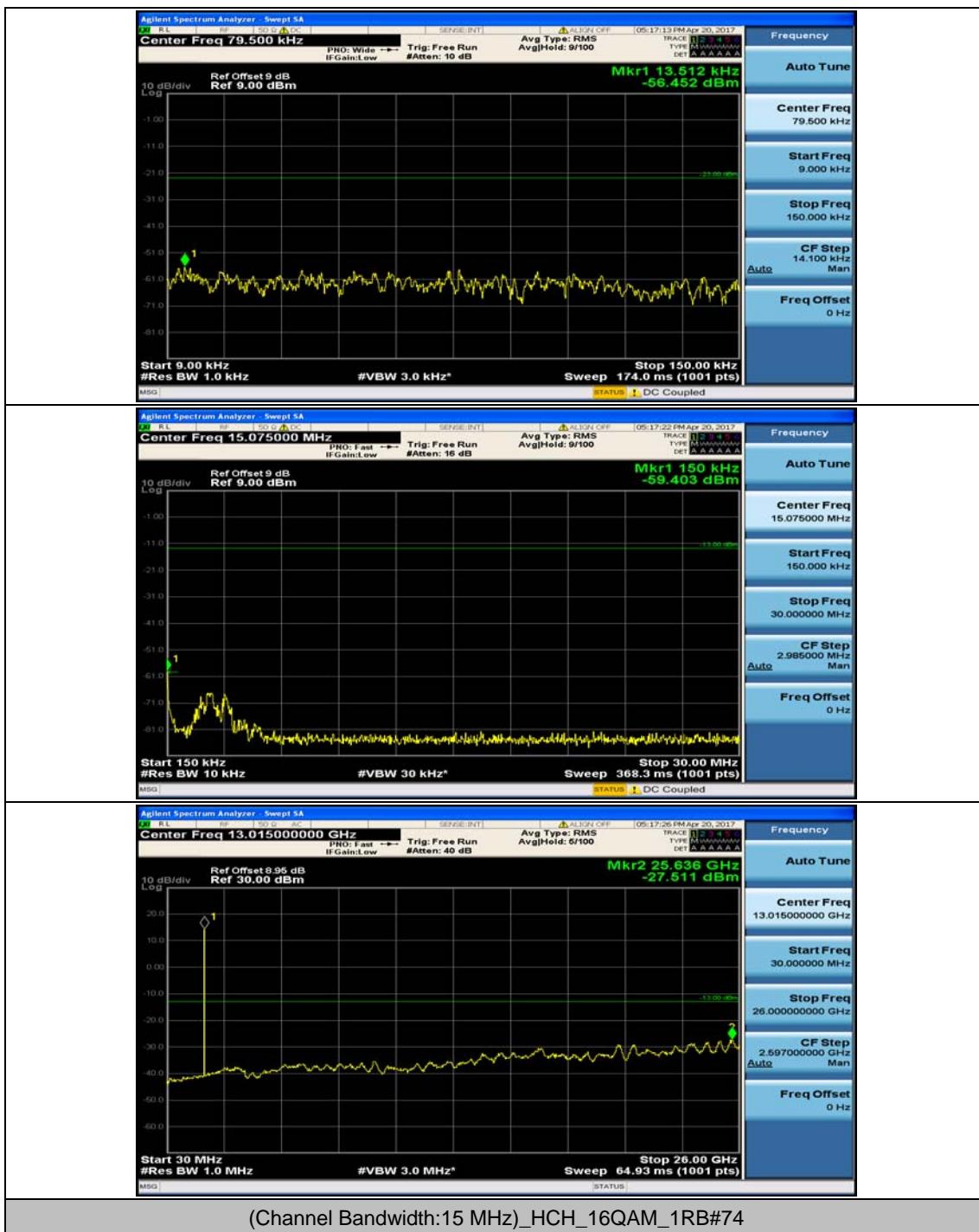


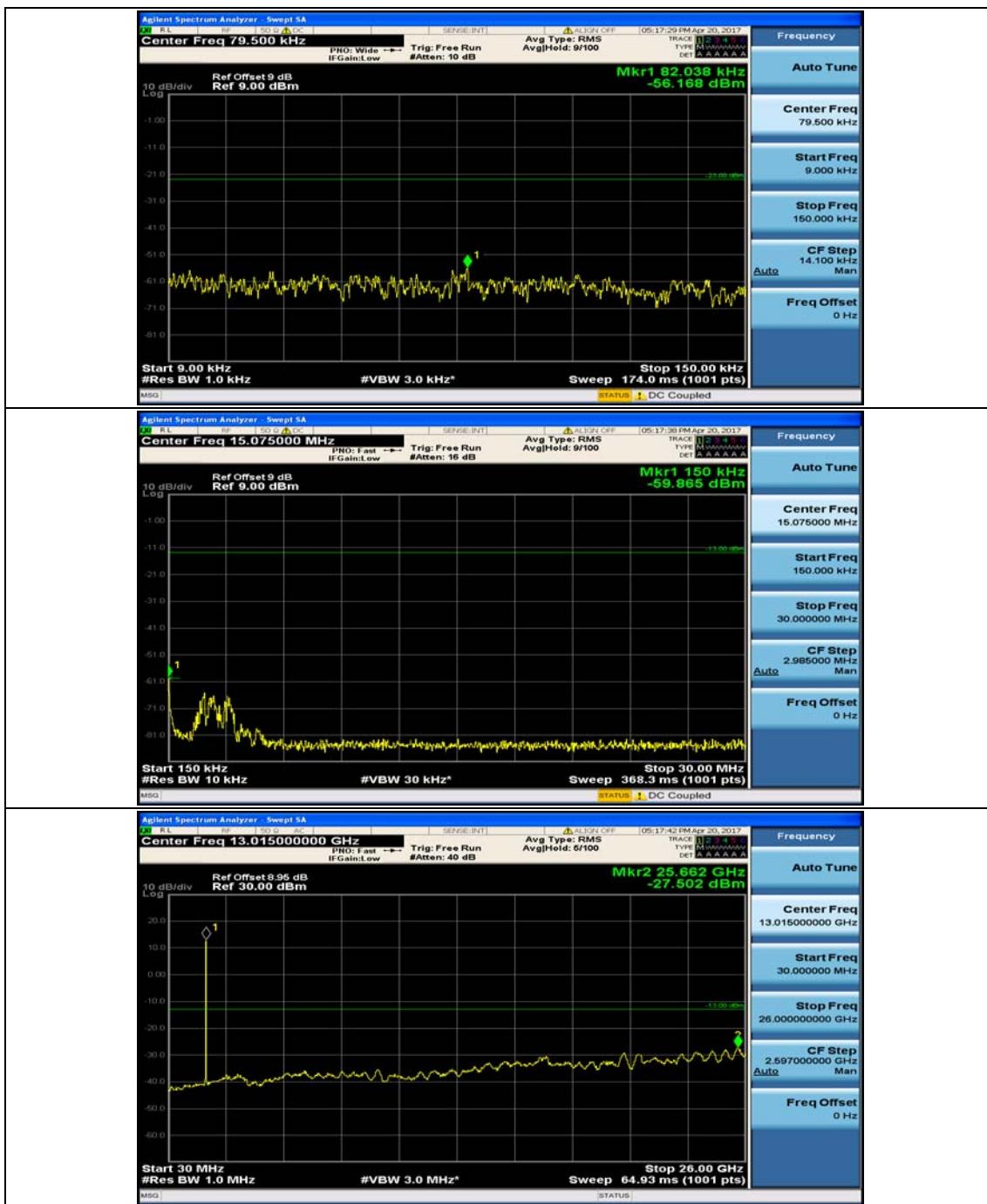




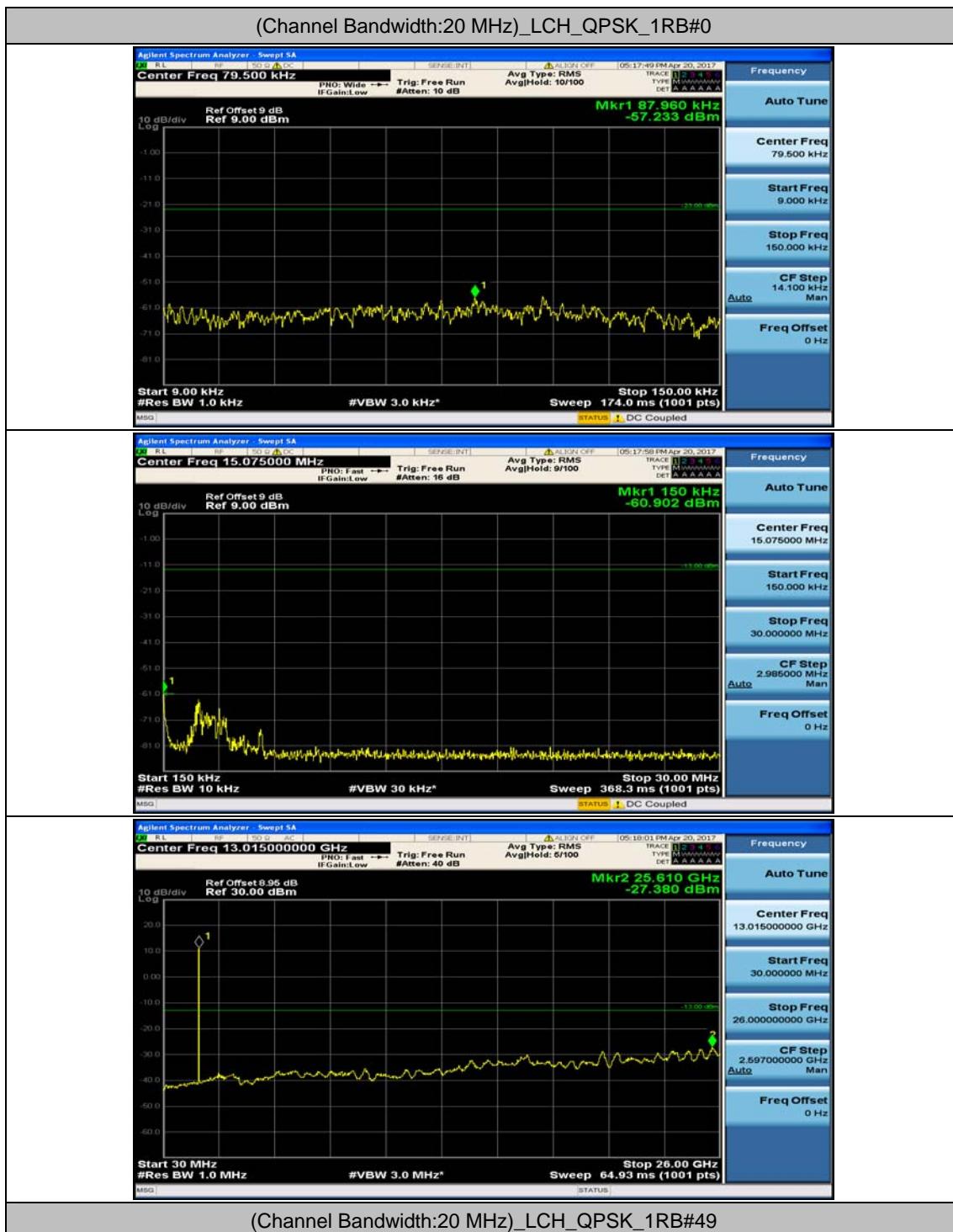


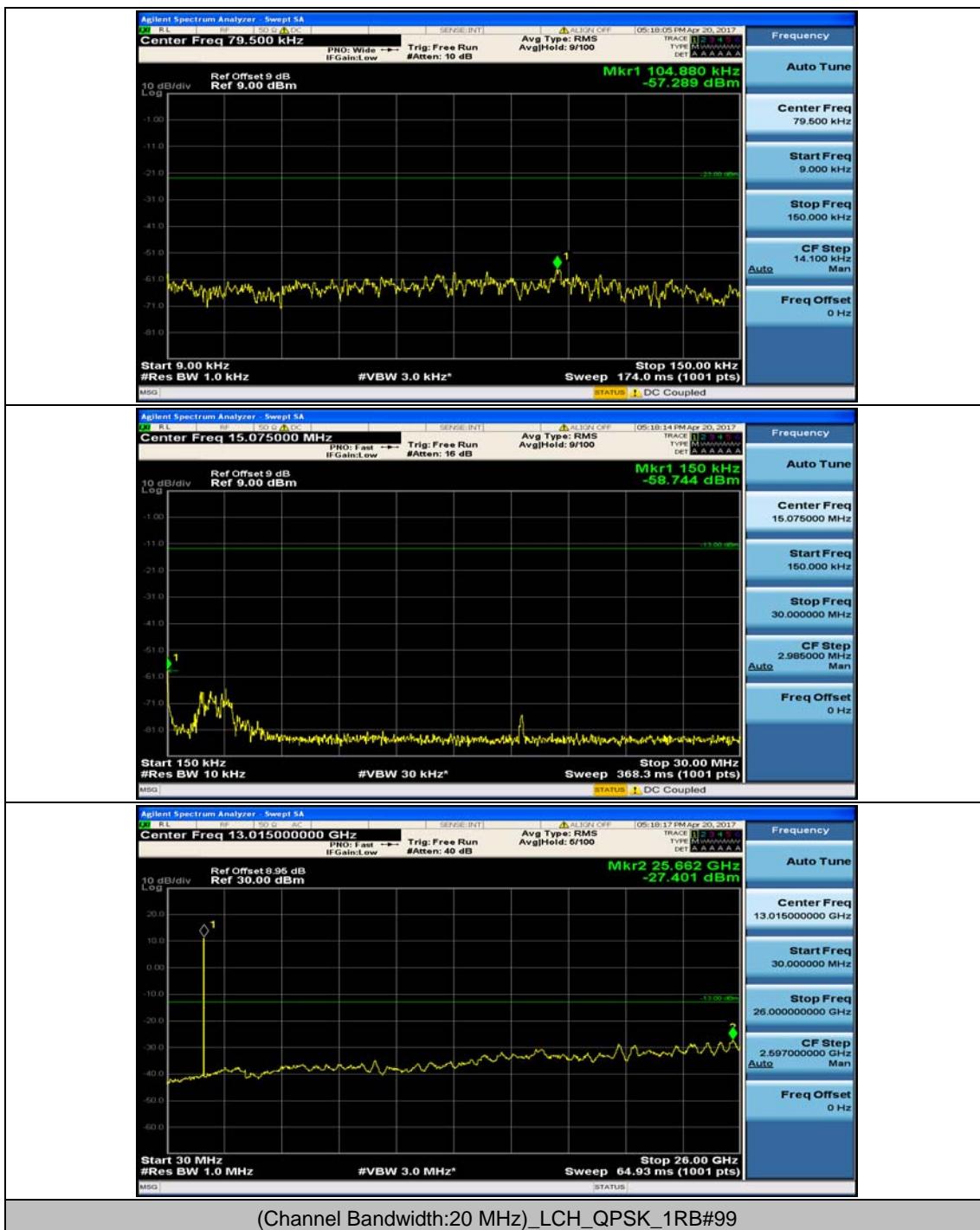


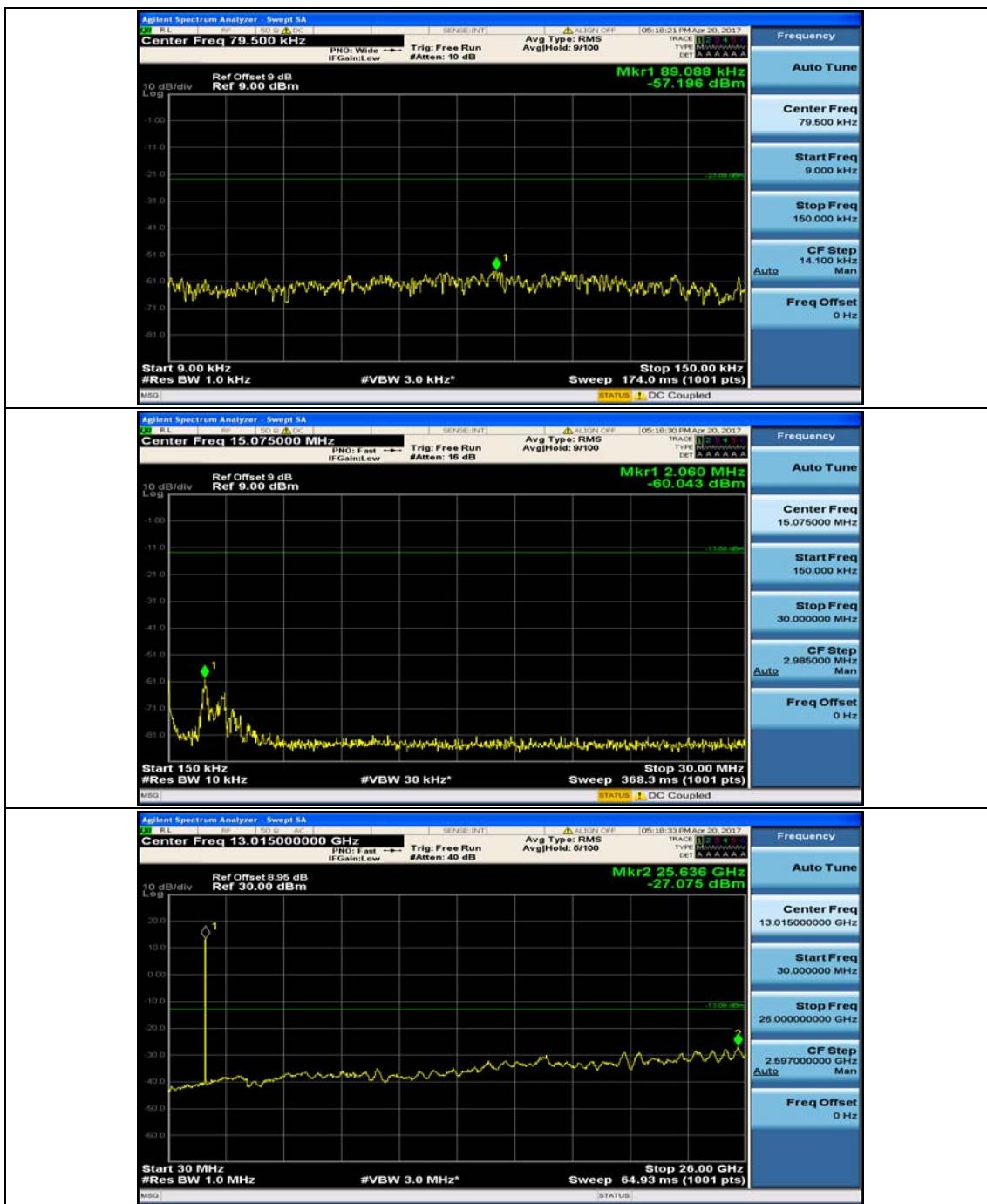


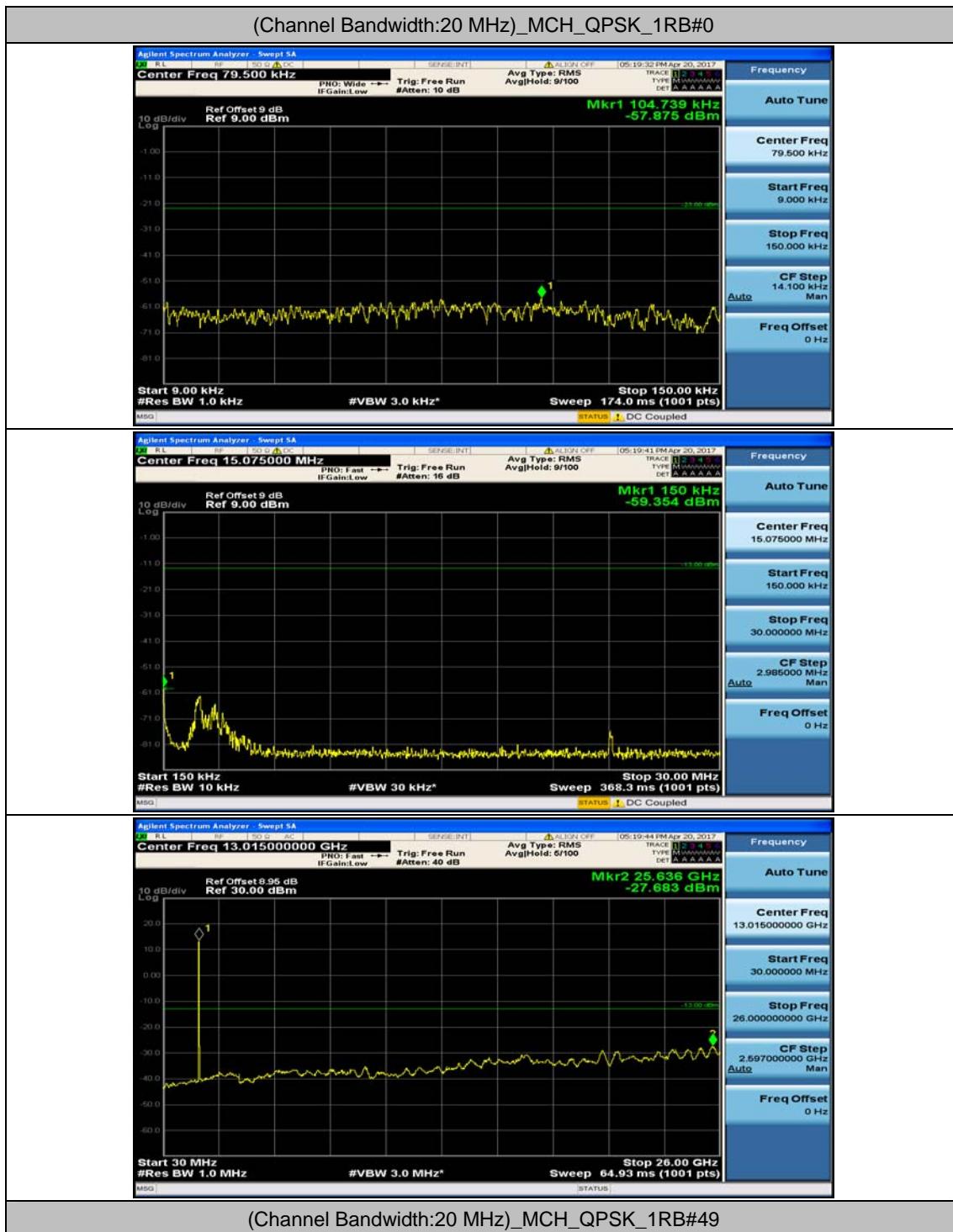


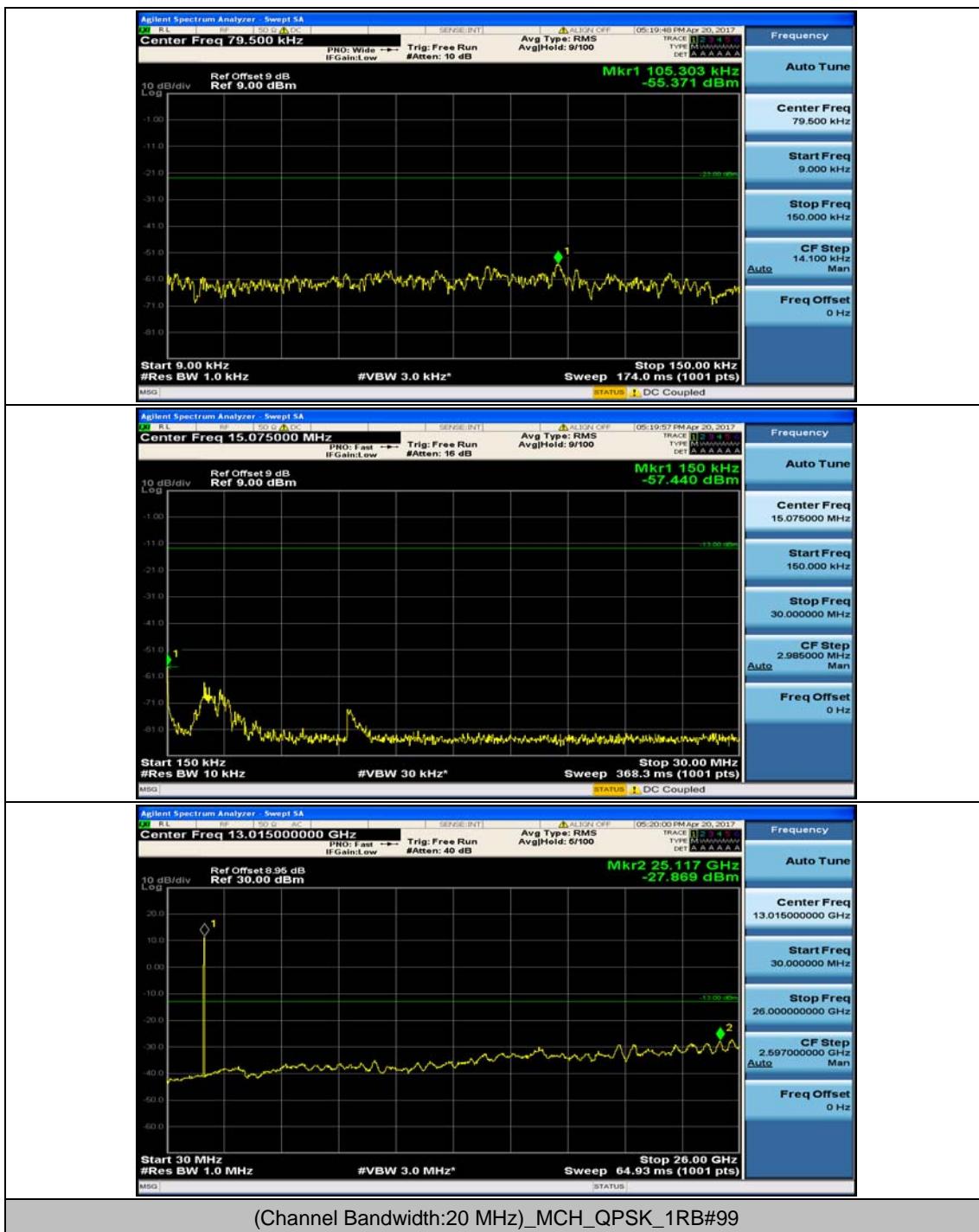
Channel Bandwidth: 20 MHz

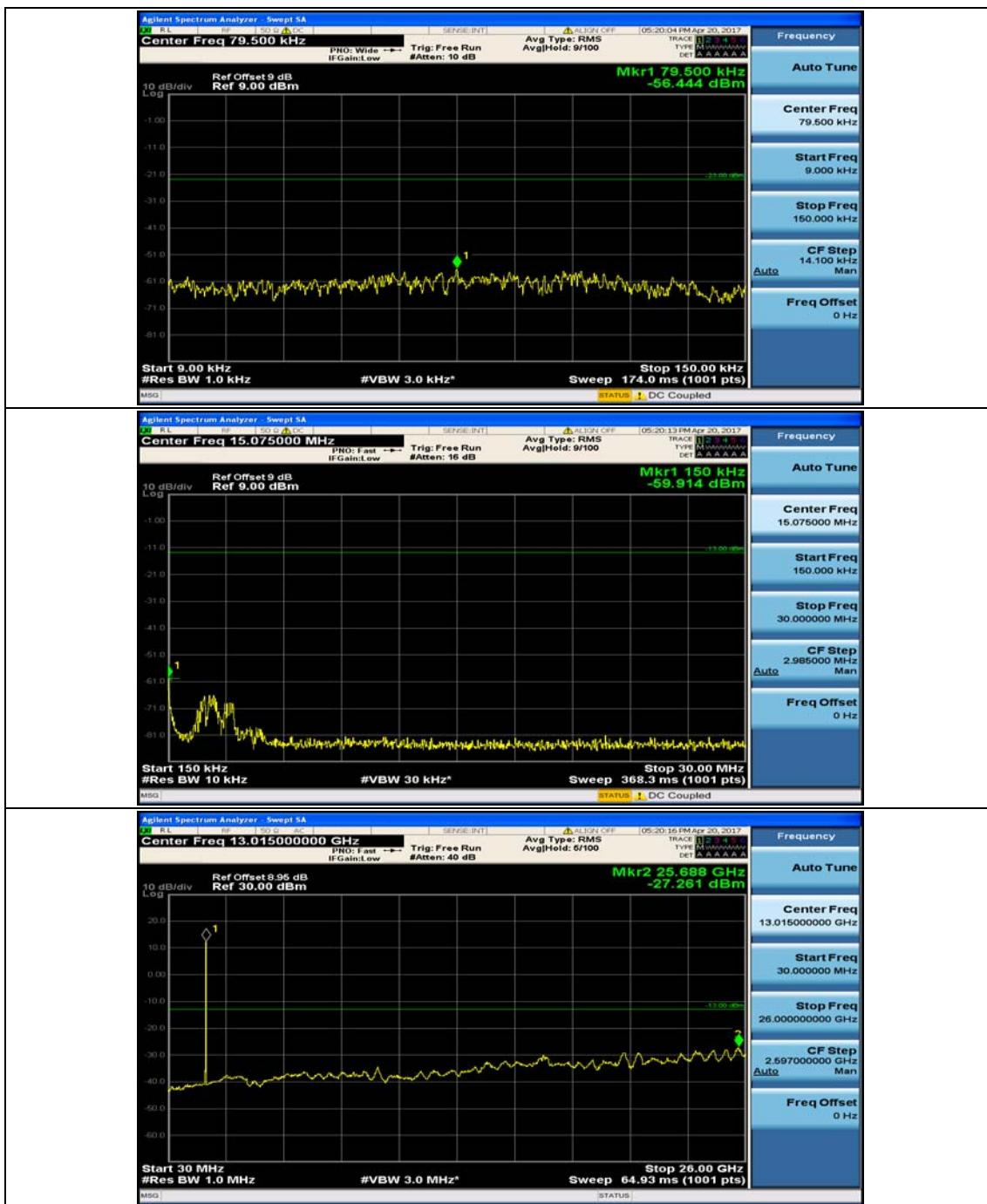


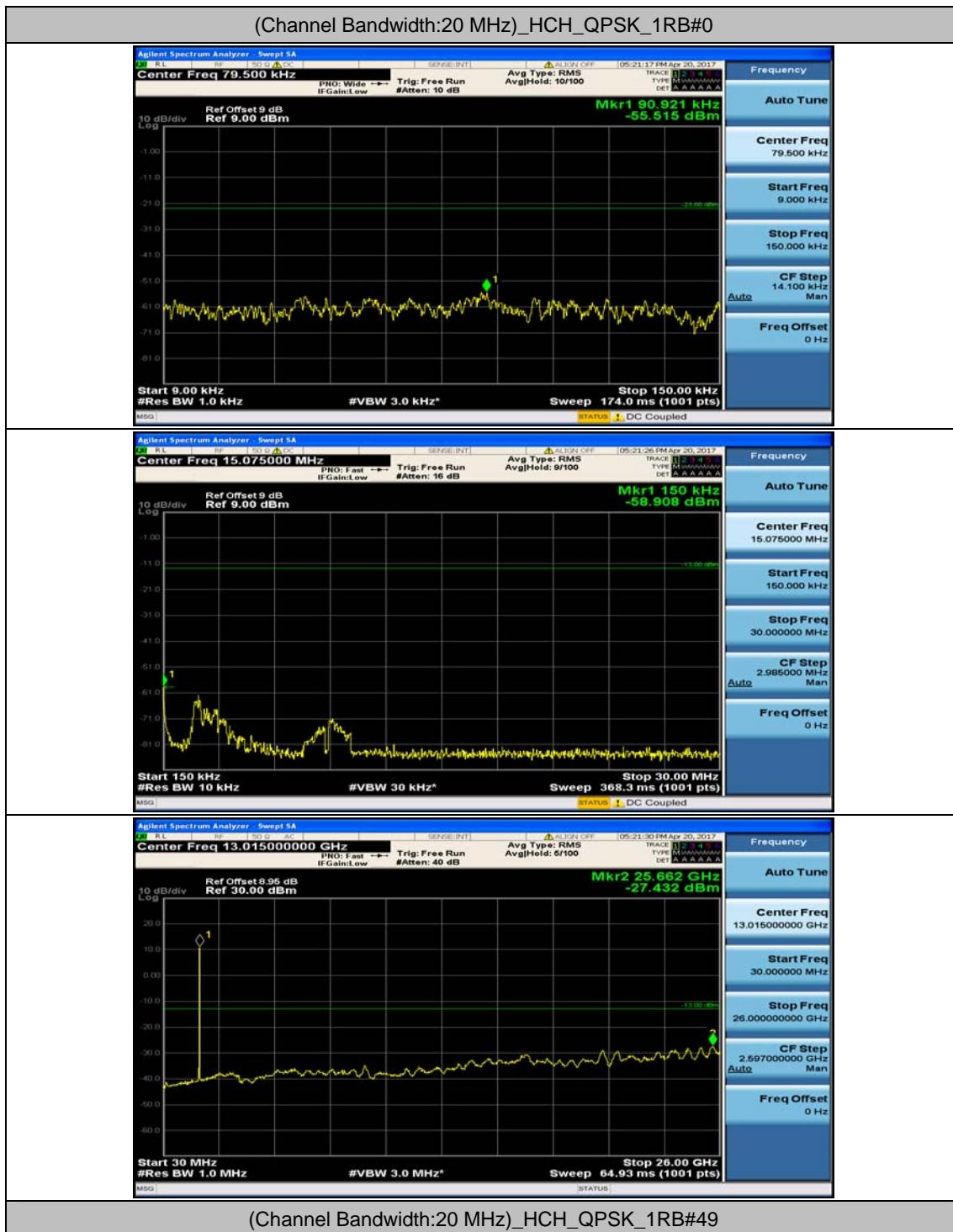


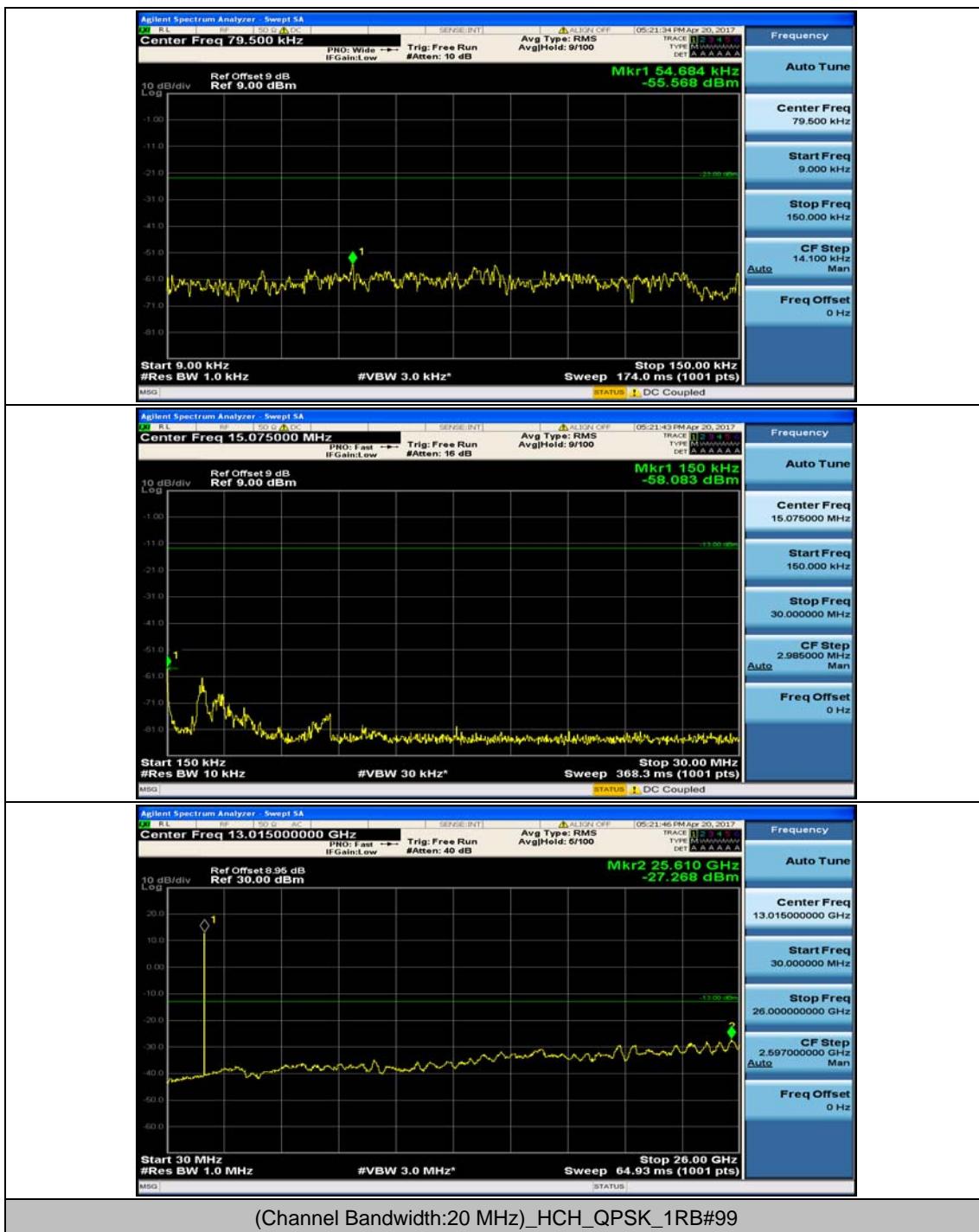


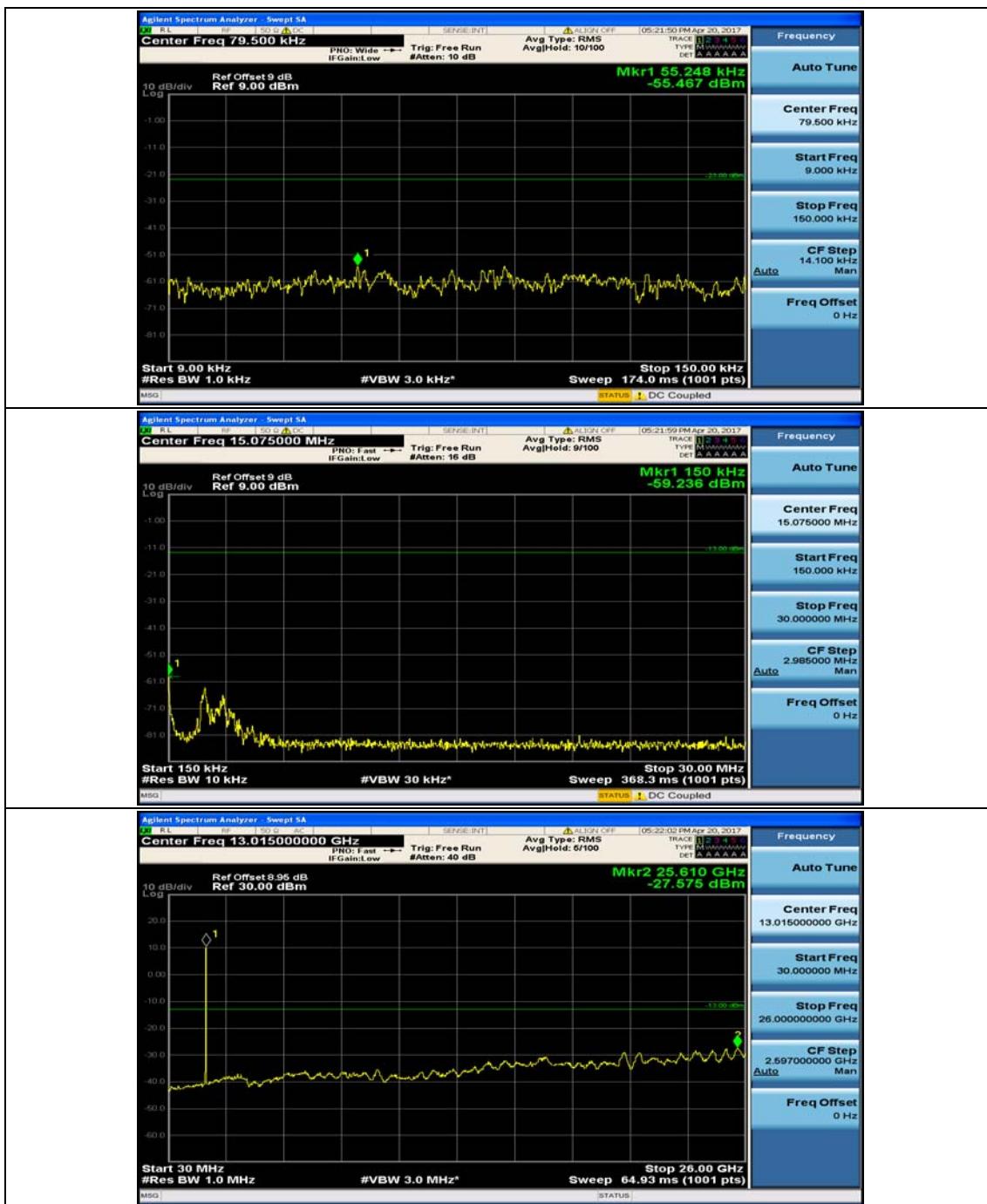


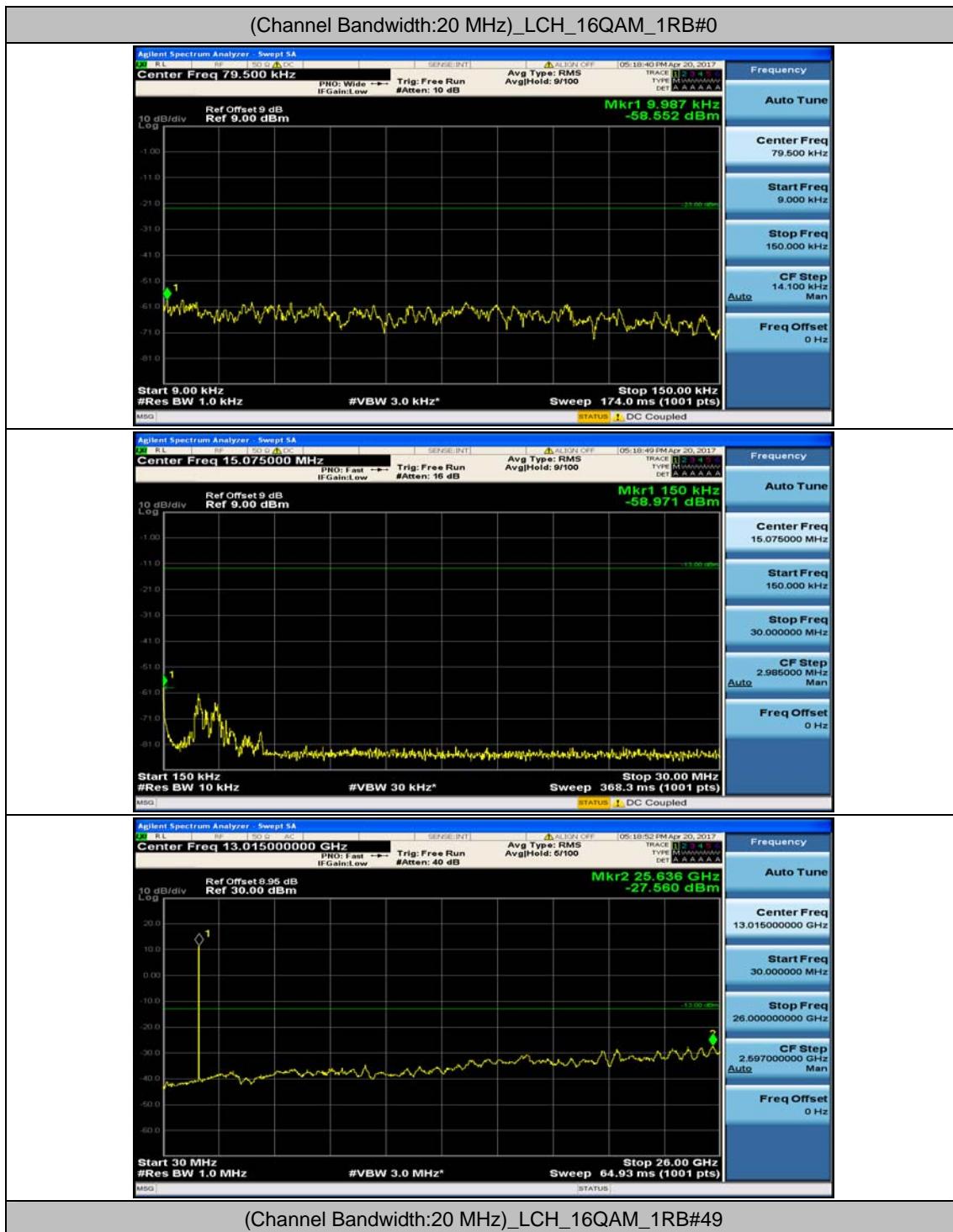


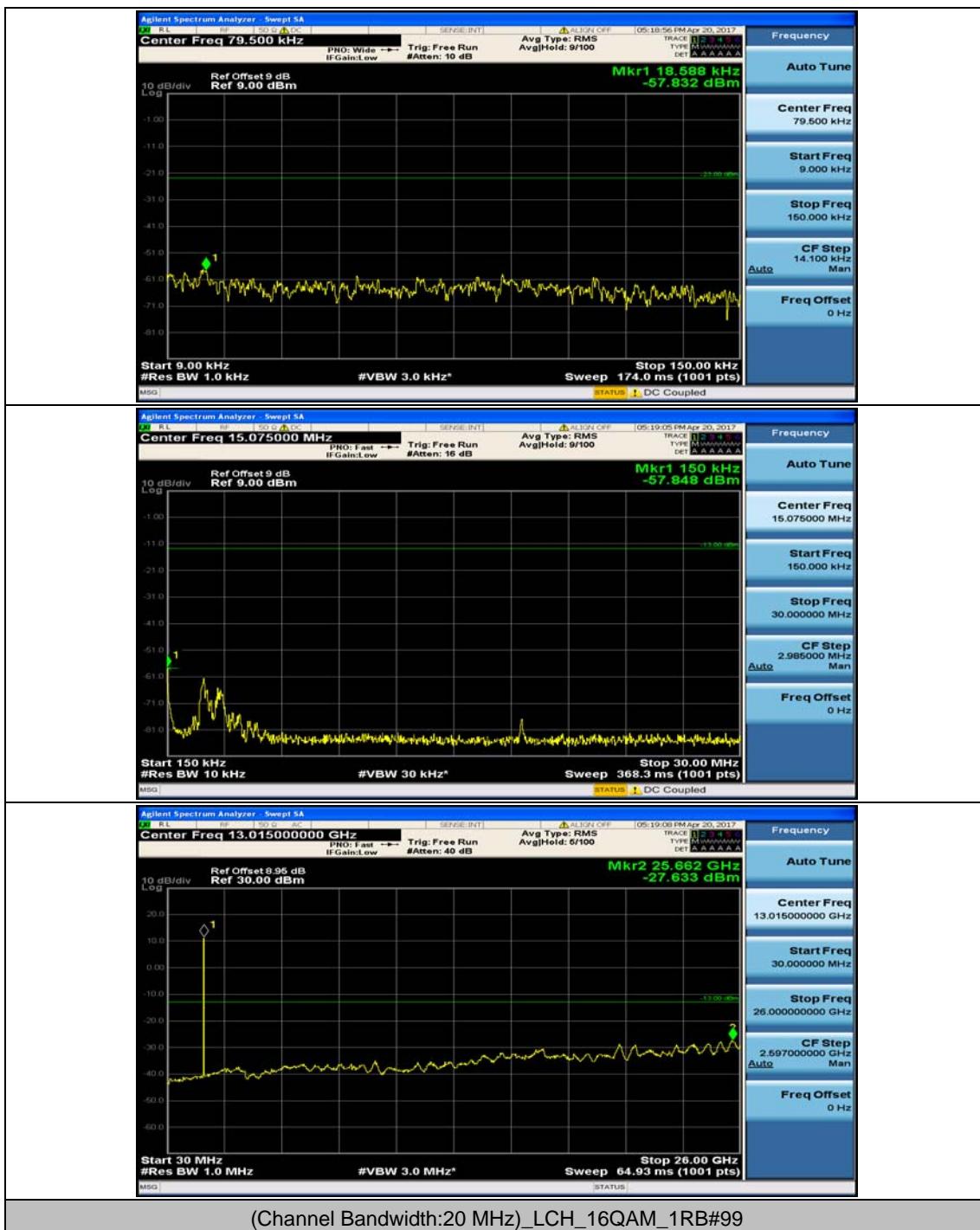


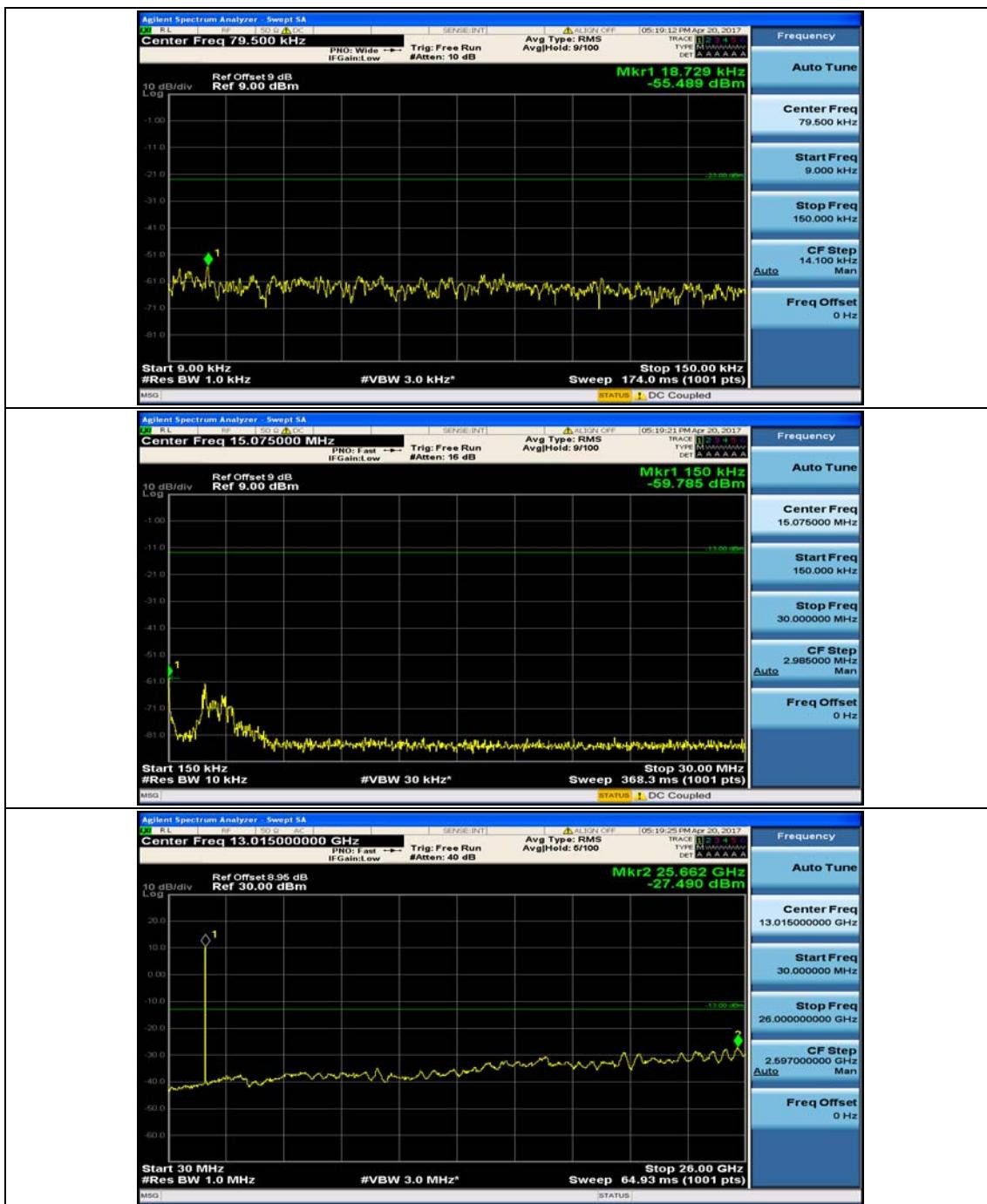


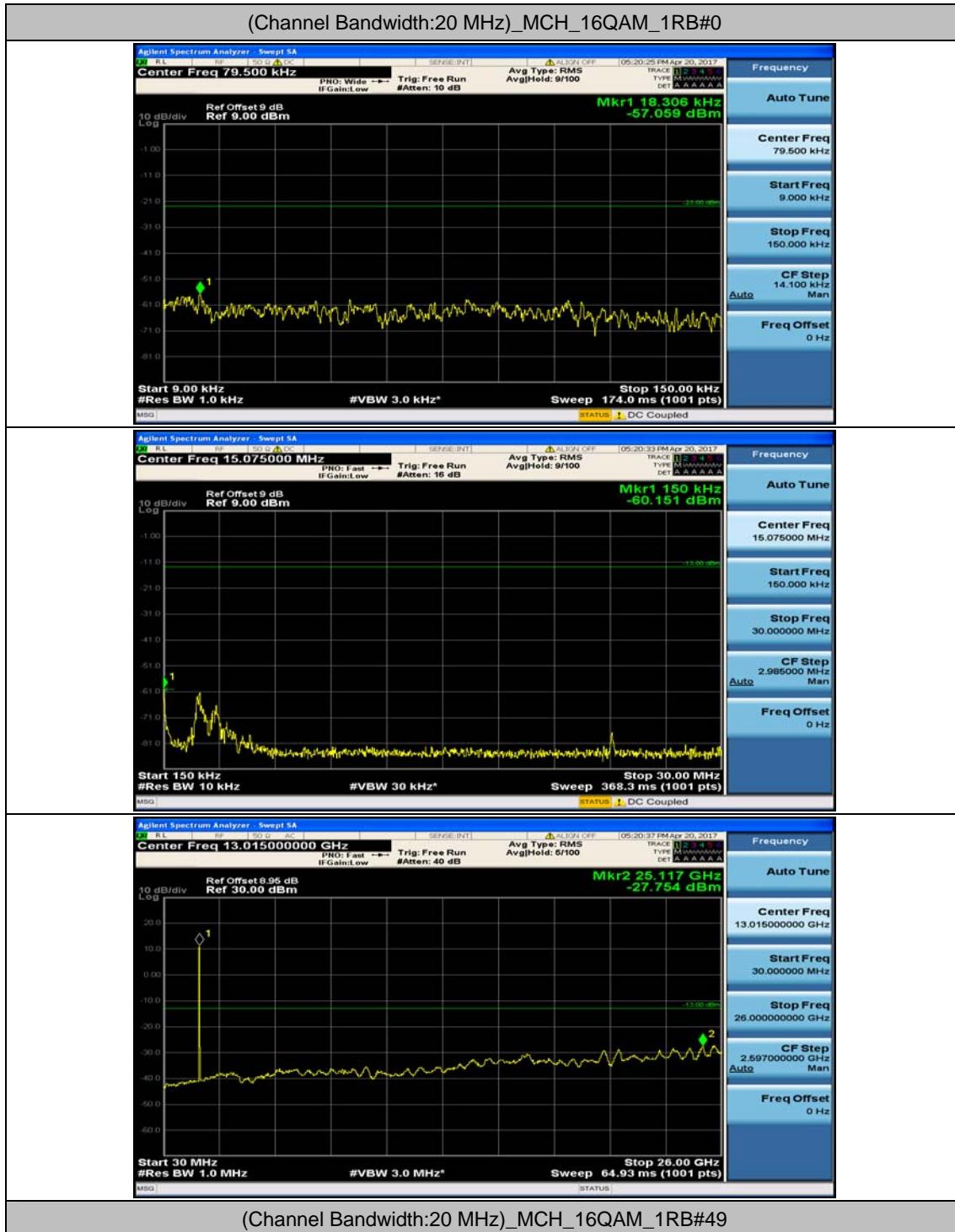


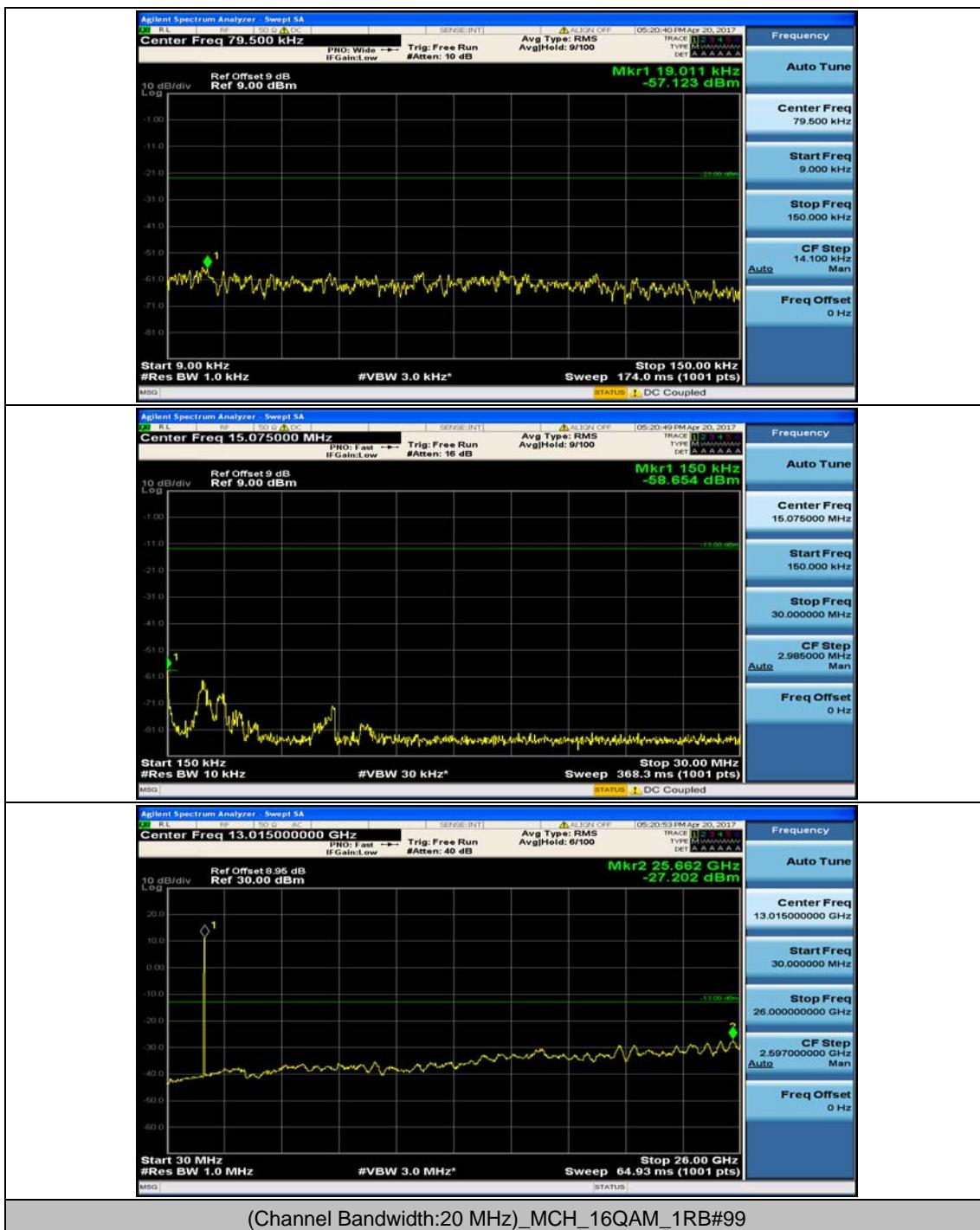


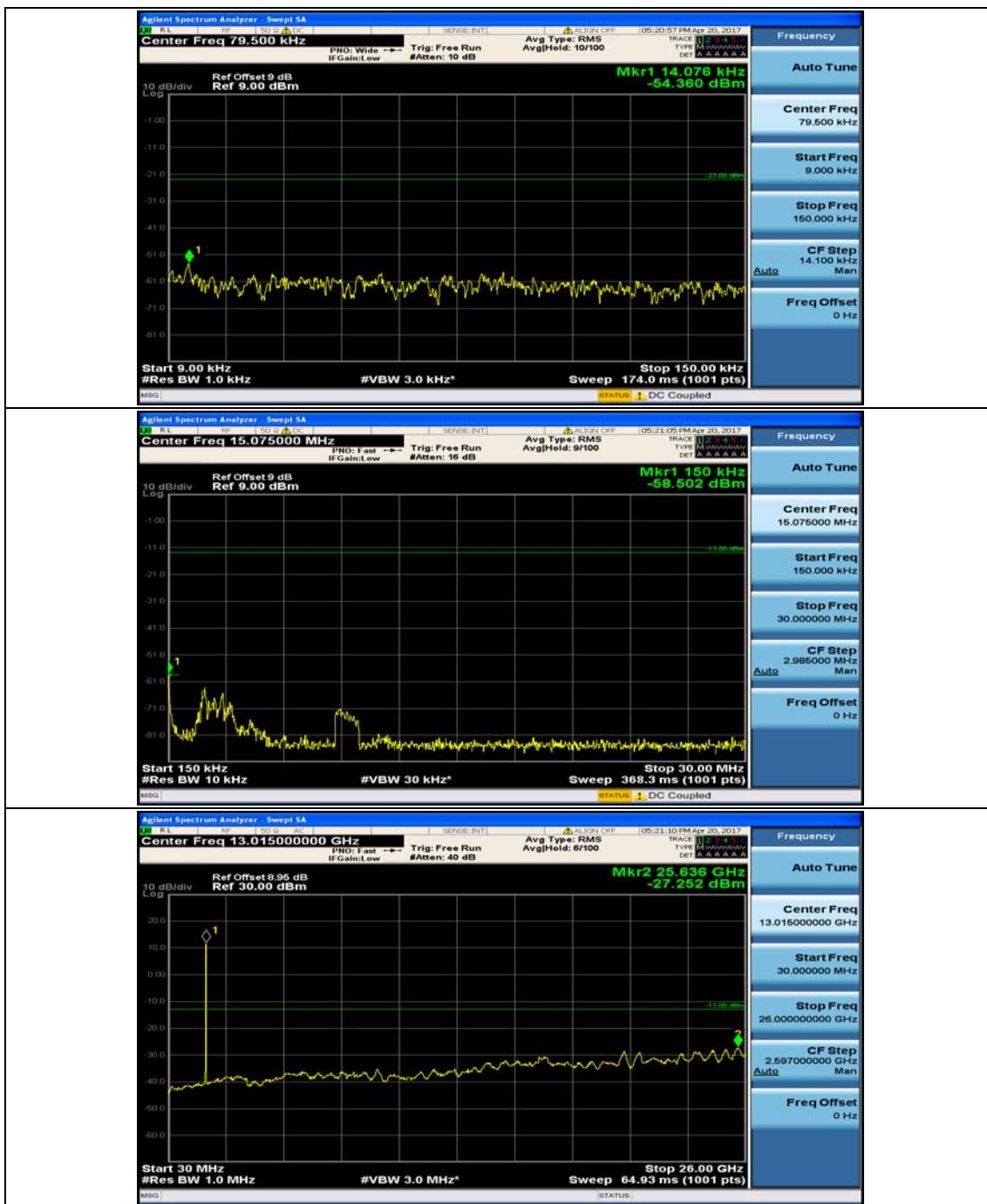


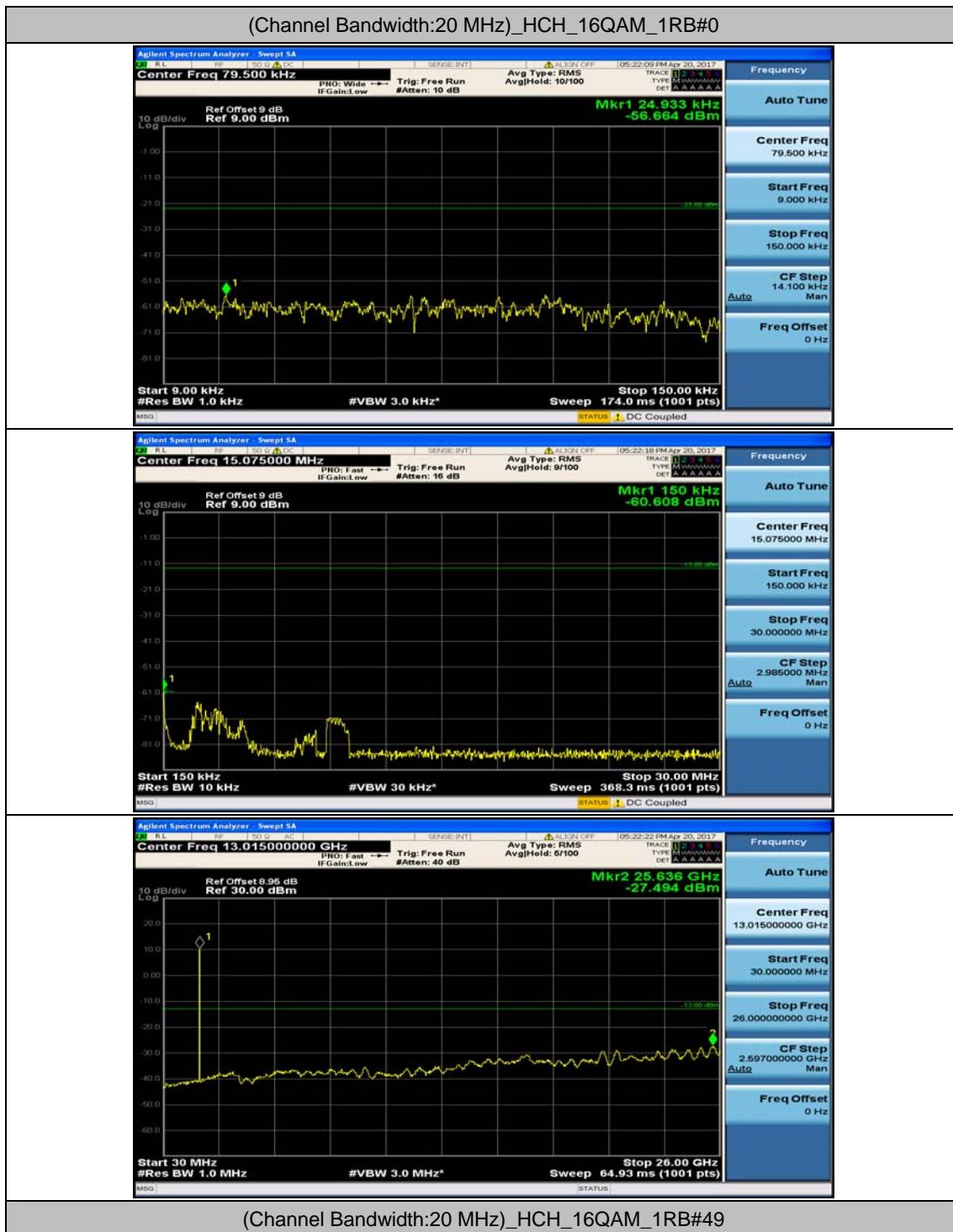


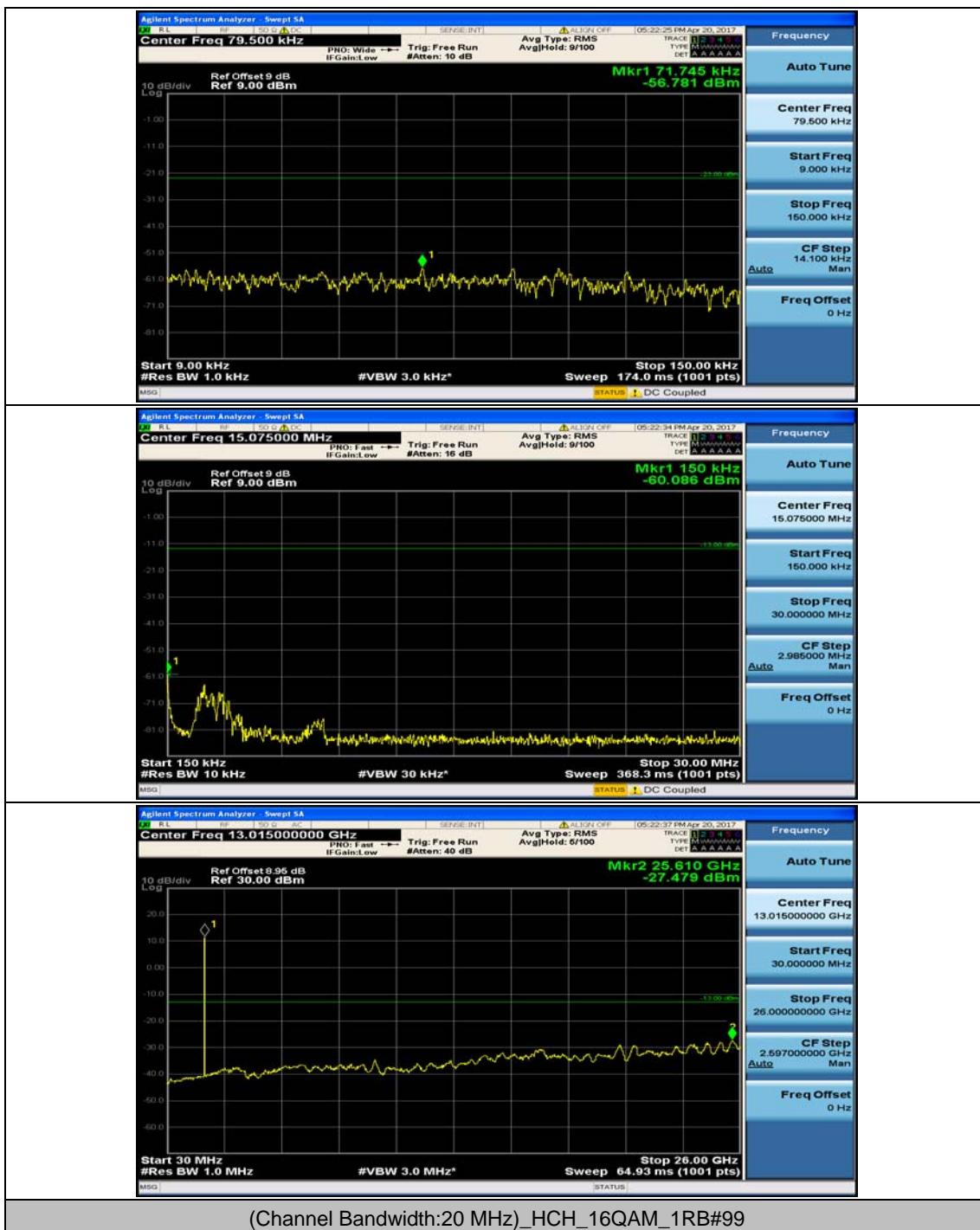


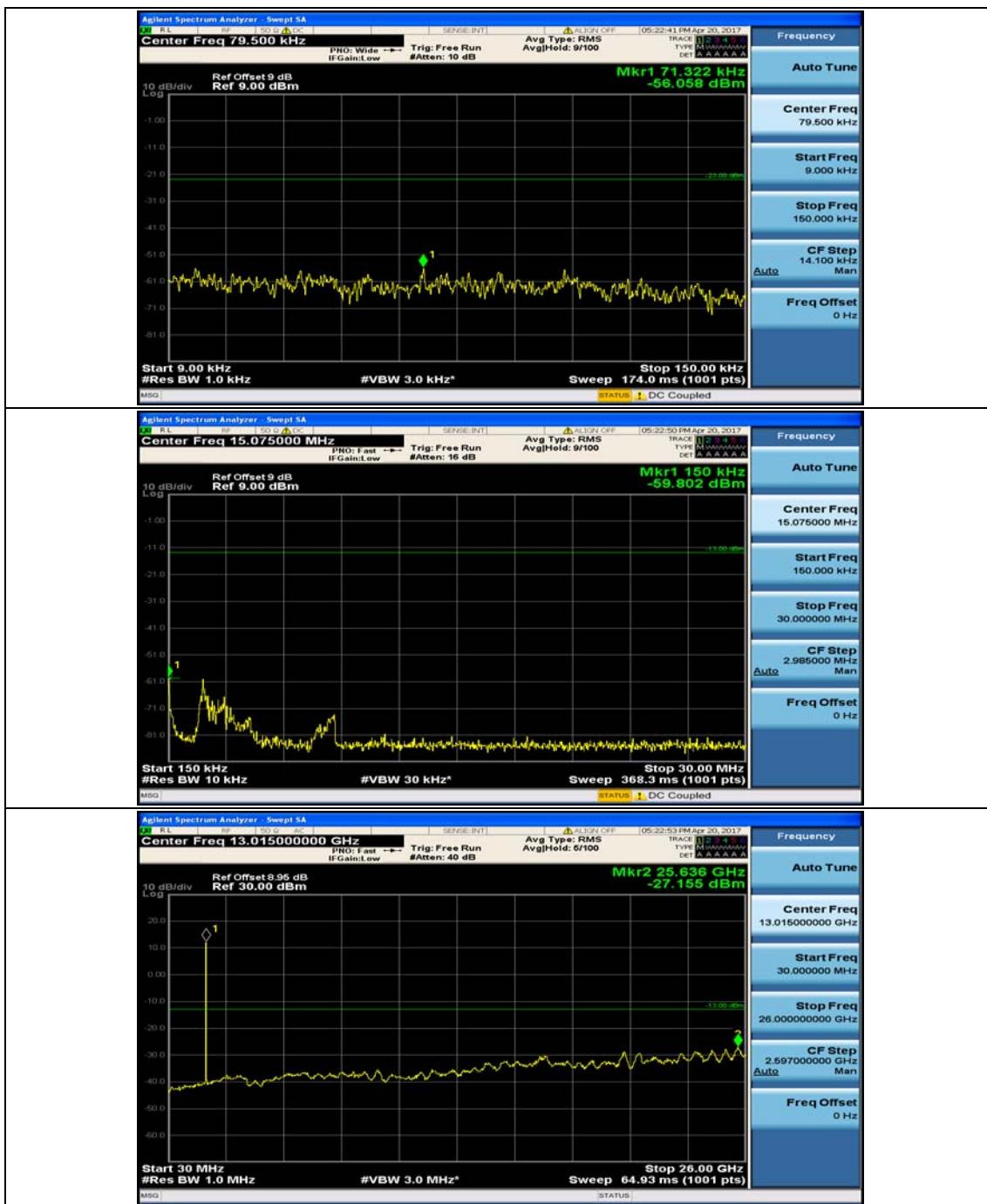












Appendix F: Frequency Stability

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	1.99	0.001163	± 2.5	PASS
		VN	TN	4.94	0.002888	± 2.5	PASS
		VH	TN	-1.59	-0.000929	± 2.5	PASS
	MCH	VL	TN	3.57	0.002061	± 2.5	PASS
		VN	TN	-1.4	-0.000808	± 2.5	PASS
		VH	TN	4.24	0.002447	± 2.5	PASS
	HCH	VL	TN	-0.35	-0.000200	± 2.5	PASS
		VN	TN	4	0.002280	± 2.5	PASS
		VH	TN	4.28	0.002440	± 2.5	PASS
16QAM	LCH	VL	TN	-1.11	-0.000649	± 2.5	PASS
		VN	TN	1.84	0.001076	± 2.5	PASS
		VH	TN	-0.22	-0.000129	± 2.5	PASS
	MCH	VL	TN	0.94	0.000543	± 2.5	PASS
		VN	TN	-1.99	-0.001149	± 2.5	PASS
		VH	TN	0.51	0.000294	± 2.5	PASS
	HCH	VL	TN	2.14	0.001220	± 2.5	PASS
		VN	TN	1.47	0.000838	± 2.5	PASS
		VH	TN	-0.07	-0.000040	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.31	-0.000181	± 2.5	PASS
		VN	-20	2.52	0.001473	± 2.5	PASS
		VN	-10	2.1	0.001228	± 2.5	PASS
		VN	0	2.41	0.001409	± 2.5	PASS
		VN	10	0	0.000000	± 2.5	PASS
		VN	20	-0.68	-0.000397	± 2.5	PASS
		VN	30	1.55	0.000906	± 2.5	PASS
		VN	40	-1.56	-0.000912	± 2.5	PASS
		VN	50	-1.79	-0.001046	± 2.5	PASS
	MCH	VN	-30	4.44	0.002563	± 2.5	PASS
		VN	-20	-1.67	-0.000964	± 2.5	PASS

		VN	-10	1.71	0.000987	± 2.5	PASS
		VN	0	2.38	0.001374	± 2.5	PASS
		VN	10	1.08	0.000623	± 2.5	PASS
		VN	20	-1.19	-0.000687	± 2.5	PASS
		VN	30	-1.4	-0.000808	± 2.5	PASS
		VN	40	3.04	0.001755	± 2.5	PASS
		VN	50	4.27	0.002465	± 2.5	PASS
		VN	-30	2.76	0.001573	± 2.5	PASS
		VN	-20	3.46	0.001972	± 2.5	PASS
		VN	-10	0.83	0.000473	± 2.5	PASS
	HCH	VN	0	0.43	0.000245	± 2.5	PASS
		VN	10	1.17	0.000667	± 2.5	PASS
		VN	20	1.22	0.000695	± 2.5	PASS
		VN	30	1.32	0.000752	± 2.5	PASS
		VN	40	2.57	0.001465	± 2.5	PASS
		VN	50	0.78	0.000445	± 2.5	PASS
		VN	-30	-0.7	-0.000409	± 2.5	PASS
		VN	-20	4.52	0.002642	± 2.5	PASS
		VN	-10	4.36	0.002549	± 2.5	PASS
		VN	0	3.87	0.002262	± 2.5	PASS
	LCH	VN	10	4.66	0.002724	± 2.5	PASS
		VN	20	-1.27	-0.000742	± 2.5	PASS
		VN	30	-0.43	-0.000251	± 2.5	PASS
		VN	40	1.1	0.000643	± 2.5	PASS
		VN	50	2.86	0.001672	± 2.5	PASS
		VN	-30	-1.29	-0.000735	± 2.5	PASS
		VN	-20	4.17	0.002377	± 2.5	PASS
		VN	-10	4.65	0.002651	± 2.5	PASS
		VN	0	1.11	0.000633	± 2.5	PASS
		VN	10	0.52	0.000296	± 2.5	PASS
	MCH	VN	20	4.64	0.002645	± 2.5	PASS
		VN	30	-0.85	-0.000485	± 2.5	PASS
		VN	40	1.81	0.001032	± 2.5	PASS
		VN	50	0.72	0.000410	± 2.5	PASS
		VN	-30	-1.58	-0.000901	± 2.5	PASS
		VN	-20	-1.62	-0.000923	± 2.5	PASS
		VN	-10	-1.13	-0.000644	± 2.5	PASS
		VN	0	1.09	0.000621	± 2.5	PASS
		VN	10	-1.32	-0.000752	± 2.5	PASS
		VN	20	-1.51	-0.000861	± 2.5	PASS
	HCH	VN	30	2.82	0.001607	± 2.5	PASS

		VN	40	0.71	0.000405	± 2.5	PASS
		VN	50	3.66	0.002086	± 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	2.59	0.001513	± 2.5	PASS
		VN	TN	-0.56	-0.000327	± 2.5	PASS
		VH	TN	4.47	0.002612	± 2.5	PASS
	MCH	VL	TN	4.04	0.002332	± 2.5	PASS
		VN	TN	2.7	0.001558	± 2.5	PASS
		VH	TN	4.18	0.002413	± 2.5	PASS
	HCH	VL	TN	2.56	0.001460	± 2.5	PASS
		VN	TN	1.2	0.000684	± 2.5	PASS
		VH	TN	-1.47	-0.000838	± 2.5	PASS
16QAM	LCH	VL	TN	-1.09	-0.000637	± 2.5	PASS
		VN	TN	0.52	0.000304	± 2.5	PASS
		VH	TN	4.27	0.002495	± 2.5	PASS
	MCH	VL	TN	3.84	0.002216	± 2.5	PASS
		VN	TN	4	0.002309	± 2.5	PASS
		VH	TN	3.17	0.001830	± 2.5	PASS
	HCH	VL	TN	2.04	0.001163	± 2.5	PASS
		VN	TN	4.07	0.002321	± 2.5	PASS
		VH	TN	3.6	0.002053	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.46	0.000269	± 2.5	PASS
		VN	-20	1.41	0.000824	± 2.5	PASS
		VN	-10	2.29	0.001338	± 2.5	PASS
		VN	0	-1.14	-0.000666	± 2.5	PASS
		VN	10	-1.64	-0.000958	± 2.5	PASS
		VN	20	4.19	0.002448	± 2.5	PASS
		VN	30	2.24	0.001309	± 2.5	PASS
		VN	40	2.03	0.001186	± 2.5	PASS
		VN	50	-0.64	-0.000374	± 2.5	PASS
	MCH	VN	-30	0.3	0.000173	± 2.5	PASS
		VN	-20	4.23	0.002442	± 2.5	PASS
		VN	-10	1.35	0.000779	± 2.5	PASS

	HCH	VN	0	0.78	0.000450	± 2.5	PASS
		VN	10	-1.51	-0.000872	± 2.5	PASS
		VN	20	2.98	0.001720	± 2.5	PASS
		VN	30	1.6	0.000924	± 2.5	PASS
		VN	40	3.46	0.001997	± 2.5	PASS
		VN	50	-0.06	-0.000035	± 2.5	PASS
		VN	-30	1.38	0.000787	± 2.5	PASS
		VN	-20	4.05	0.002310	± 2.5	PASS
		VN	-10	-1.7	-0.000969	± 2.5	PASS
		VN	0	0.15	0.000086	± 2.5	PASS
		VN	10	1.14	0.000650	± 2.5	PASS
		VN	20	4.08	0.002327	± 2.5	PASS
		VN	30	3.34	0.001905	± 2.5	PASS
		VN	40	0.26	0.000148	± 2.5	PASS
		VN	50	0.79	0.000451	± 2.5	PASS
16QAM	LCH	VN	-30	-0.92	-0.000531	± 2.5	PASS
		VN	-20	1.62	0.000935	± 2.5	PASS
		VN	-10	4.46	0.002574	± 2.5	PASS
		VN	0	-0.66	-0.000381	± 2.5	PASS
		VN	10	-1.15	-0.000664	± 2.5	PASS
		VN	20	0.99	0.000571	± 2.5	PASS
		VN	30	2.51	0.001449	± 2.5	PASS
		VN	40	0.14	0.000081	± 2.5	PASS
		VN	50	2.89	0.001668	± 2.5	PASS
	MCH	VN	-30	3.23	0.001842	± 2.5	PASS
		VN	-20	0.17	0.000097	± 2.5	PASS
		VN	-10	3.92	0.002236	± 2.5	PASS
		VN	0	3.25	0.001853	± 2.5	PASS
		VN	10	-1.04	-0.000593	± 2.5	PASS
		VN	20	2.39	0.001363	± 2.5	PASS
		VN	30	4.16	0.002372	± 2.5	PASS
		VN	40	3.96	0.002258	± 2.5	PASS
		VN	50	0.11	0.000063	± 2.5	PASS
	HCH	VN	-30	3.62	0.002064	± 2.5	PASS
		VN	-20	-1.73	-0.000987	± 2.5	PASS
		VN	-10	4.25	0.002424	± 2.5	PASS
		VN	0	-1.07	-0.000610	± 2.5	PASS
		VN	10	4.54	0.002589	± 2.5	PASS
		VN	20	-0.93	-0.000530	± 2.5	PASS
		VN	30	2.87	0.001637	± 2.5	PASS
		VN	40	1.96	0.001118	± 2.5	PASS

		VN	50	-0.8	-0.000456	± 2.5	PASS
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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	0.7	0.000409	± 2.5	PASS
		VN	TN	3.77	0.002201	± 2.5	PASS
		VH	TN	-1.49	-0.000870	± 2.5	PASS
	MCH	VL	TN	2.67	0.001541	± 2.5	PASS
		VN	TN	-1.91	-0.001102	± 2.5	PASS
		VH	TN	-1.46	-0.000843	± 2.5	PASS
	HCH	VL	TN	-0.76	-0.000434	± 2.5	PASS
		VN	TN	3.06	0.001746	± 2.5	PASS
		VH	TN	4.1	0.002340	± 2.5	PASS
16QAM	LCH	VL	TN	-0.35	-0.000204	± 2.5	PASS
		VN	TN	2.77	0.001618	± 2.5	PASS
		VH	TN	4.13	0.002412	± 2.5	PASS
	MCH	VL	TN	-1.53	-0.000883	± 2.5	PASS
		VN	TN	4.76	0.002747	± 2.5	PASS
		VH	TN	-0.67	-0.000387	± 2.5	PASS
	HCH	VL	TN	-0.82	-0.000468	± 2.5	PASS
		VN	TN	0.81	0.000462	± 2.5	PASS
		VH	TN	1.23	0.000702	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.57	-0.000333	± 2.5	PASS
		VN	-20	2.22	0.001296	± 2.5	PASS
		VN	-10	4.19	0.002447	± 2.5	PASS
		VN	0	-0.36	-0.000210	± 2.5	PASS
		VN	10	-1.29	-0.000753	± 2.5	PASS
		VN	20	3.25	0.001898	± 2.5	PASS
		VN	30	2.42	0.001413	± 2.5	PASS
		VN	40	-1.43	-0.000835	± 2.5	PASS
		VN	50	-1.91	-0.001115	± 2.5	PASS
	MCH	VN	-30	2.48	0.001431	± 2.5	PASS
		VN	-20	0.21	0.000121	± 2.5	PASS
		VN	-10	-0.96	-0.000554	± 2.5	PASS
		VN	0	2.22	0.001281	± 2.5	PASS

		VN	10	-0.32	-0.000185	± 2.5	PASS
		VN	20	-1.54	-0.000889	± 2.5	PASS
		VN	30	1.45	0.000837	± 2.5	PASS
		VN	40	1.92	0.001108	± 2.5	PASS
		VN	50	-1.13	-0.000652	± 2.5	PASS
		VN	-30	4.6	0.002625	± 2.5	PASS
		VN	-20	3.32	0.001740	± 2.5	PASS
		VN	-10	-0.69	-0.000362	± 2.5	PASS
		VN	0	1.75	0.000917	± 2.5	PASS
		VN	10	3.69	0.001934	± 2.5	PASS
	HCH	VN	20	-0.63	-0.000330	± 2.5	PASS
		VN	30	-0.97	-0.000509	± 2.5	PASS
		VN	40	3.44	0.001803	± 2.5	PASS
		VN	50	-0.72	-0.000377	± 2.5	PASS
		VN	-30	-1.65	-0.000952	± 2.5	PASS
		VN	-20	-0.17	-0.000098	± 2.5	PASS
		VN	-10	2.41	0.001391	± 2.5	PASS
		VN	0	0.74	0.000427	± 2.5	PASS
		VN	10	-1	-0.000577	± 2.5	PASS
		VN	20	0.34	0.000196	± 2.5	PASS
	LCH	VN	30	2.43	0.001403	± 2.5	PASS
		VN	40	-0.97	-0.000560	± 2.5	PASS
		VN	50	-1.34	-0.000773	± 2.5	PASS
		VN	-30	-1.69	-0.000964	± 2.5	PASS
		VN	-20	2.1	0.001198	± 2.5	PASS
		VN	-10	1.12	0.000639	± 2.5	PASS
		VN	0	-2	-0.001141	± 2.5	PASS
		VN	10	-1.97	-0.001124	± 2.5	PASS
		VN	20	-1.45	-0.000827	± 2.5	PASS
		VN	30	4.11	0.002345	± 2.5	PASS
	MCH	VN	40	2.48	0.001415	± 2.5	PASS
		VN	50	3.25	0.001854	± 2.5	PASS
		VN	-30	3.49	0.001830	± 2.5	PASS
		VN	-20	-0.93	-0.000488	± 2.5	PASS
		VN	-10	3.24	0.001699	± 2.5	PASS
		VN	0	1.37	0.000718	± 2.5	PASS
		VN	10	-1.54	-0.000807	± 2.5	PASS
		VN	20	0.51	0.000267	± 2.5	PASS
		VN	30	0.03	0.000016	± 2.5	PASS
		VN	40	-1.16	-0.000608	± 2.5	PASS
	HCH	VN	50	-0.24	-0.000126	± 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	-1.55	-0.000904	± 2.5	PASS
		VN	TN	-1.57	-0.000915	± 2.5	PASS
		VH	TN	-1.73	-0.001009	± 2.5	PASS
	MCH	VL	TN	-0.02	-0.000012	± 2.5	PASS
		VN	TN	-0.04	-0.000023	± 2.5	PASS
		VH	TN	-1.64	-0.000947	± 2.5	PASS
	HCH	VL	TN	3.87	0.002211	± 2.5	PASS
		VN	TN	2.56	0.001463	± 2.5	PASS
		VH	TN	0.48	0.000274	± 2.5	PASS
16QAM	LCH	VL	TN	1.42	0.000828	± 2.5	PASS
		VN	TN	2.22	0.001294	± 2.5	PASS
		VH	TN	2.89	0.001685	± 2.5	PASS
	MCH	VL	TN	-1.93	-0.001114	± 2.5	PASS
		VN	TN	-0.48	-0.000277	± 2.5	PASS
		VH	TN	2.47	0.001426	± 2.5	PASS
	HCH	VL	TN	-1.7	-0.000971	± 2.5	PASS
		VN	TN	2.13	0.001217	± 2.5	PASS
		VH	TN	-0.65	-0.000371	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.72	-0.001003	± 2.5	PASS
		VN	-20	3.49	0.002035	± 2.5	PASS
		VN	-10	0.08	0.000047	± 2.5	PASS
		VN	0	3.32	0.001936	± 2.5	PASS
		VN	10	1.54	0.000898	± 2.5	PASS
		VN	20	-0.22	-0.000128	± 2.5	PASS
		VN	30	-1.07	-0.000624	± 2.5	PASS
		VN	40	0.57	0.000332	± 2.5	PASS
		VN	50	2.01	0.001172	± 2.5	PASS
	MCH	VN	-30	3.29	0.001899	± 2.5	PASS
		VN	-20	-1.28	-0.000739	± 2.5	PASS
		VN	-10	-0.81	-0.000468	± 2.5	PASS
		VN	0	-0.36	-0.000208	± 2.5	PASS
		VN	10	2.67	0.001541	± 2.5	PASS
		VN	20	1.88	0.001085	± 2.5	PASS

	HCH	VN	30	4.5	0.002597	± 2.5	PASS
		VN	40	3.69	0.002130	± 2.5	PASS
		VN	50	0.22	0.000127	± 2.5	PASS
		VN	-30	4.55	0.002600	± 2.5	PASS
		VN	-20	3.25	0.001857	± 2.5	PASS
		VN	-10	1.11	0.000634	± 2.5	PASS
		VN	0	2.97	0.001697	± 2.5	PASS
		VN	10	-0.19	-0.000109	± 2.5	PASS
		VN	20	-1.38	-0.000789	± 2.5	PASS
		VN	30	1.64	0.000937	± 2.5	PASS
16QAM	LCH	VN	40	0.84	0.000480	± 2.5	PASS
		VN	50	1.63	0.000931	± 2.5	PASS
		VN	-30	-1.35	-0.000779	± 2.5	PASS
		VN	-20	2.08	0.001201	± 2.5	PASS
		VN	-10	-1.08	-0.000623	± 2.5	PASS
		VN	0	1.56	0.000900	± 2.5	PASS
		VN	10	3.39	0.001957	± 2.5	PASS
		VN	20	2.06	0.001189	± 2.5	PASS
		VN	30	1.44	0.000831	± 2.5	PASS
	MCH	VN	40	2.32	0.001339	± 2.5	PASS
		VN	50	2.31	0.001333	± 2.5	PASS
		VN	-30	-1.45	-0.000829	± 2.5	PASS
		VN	-20	3.79	0.002166	± 2.5	PASS
		VN	-10	1.93	0.001103	± 2.5	PASS
		VN	0	-0.01	-0.000006	± 2.5	PASS
		VN	10	-0.93	-0.000531	± 2.5	PASS
		VN	20	2.9	0.001657	± 2.5	PASS
		VN	30	1.4	0.000800	± 2.5	PASS
		VN	40	0.38	0.000217	± 2.5	PASS
	HCH	VN	50	1.85	0.001057	± 2.5	PASS
		VN	-30	2.59	0.001480	± 2.5	PASS
		VN	-20	0.77	0.000440	± 2.5	PASS
		VN	-10	-1.37	-0.000783	± 2.5	PASS
		VN	0	-1.42	-0.000811	± 2.5	PASS
		VN	10	-1.98	-0.001131	± 2.5	PASS
		VN	20	-0.4	-0.000229	± 2.5	PASS
		VN	30	1.13	0.000646	± 2.5	PASS
		VN	40	2.77	0.001583	± 2.5	PASS
		VN	50	0.42	0.000240	± 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	2.02	0.001176	± 2.5	PASS
		VN	TN	2.6	0.001514	± 2.5	PASS
		VH	TN	3.84	0.002236	± 2.5	PASS
	MCH	VL	TN	-0.61	-0.000352	± 2.5	PASS
		VN	TN	4.15	0.002395	± 2.5	PASS
		VH	TN	1.85	0.001068	± 2.5	PASS
	HCH	VL	TN	-0.28	-0.000160	± 2.5	PASS
		VN	TN	-1.37	-0.000784	± 2.5	PASS
		VH	TN	1.45	0.000830	± 2.5	PASS
16QAM	LCH	VL	TN	3.52	0.002049	± 2.5	PASS
		VN	TN	3.14	0.001828	± 2.5	PASS
		VH	TN	-0.25	-0.000146	± 2.5	PASS
	MCH	VL	TN	2.03	0.001172	± 2.5	PASS
		VN	TN	3.99	0.002303	± 2.5	PASS
		VH	TN	-1.85	-0.001068	± 2.5	PASS
	HCH	VL	TN	-0.43	-0.000246	± 2.5	PASS
		VN	TN	0.27	0.000155	± 2.5	PASS
		VH	TN	-1.65	-0.000944	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.84	-0.000489	± 2.5	PASS
		VN	-20	2.22	0.001293	± 2.5	PASS
		VN	-10	4.18	0.002434	± 2.5	PASS
		VN	0	3.04	0.001770	± 2.5	PASS
		VN	10	2.38	0.001386	± 2.5	PASS
		VN	20	-1.54	-0.000897	± 2.5	PASS
		VN	30	4.06	0.002364	± 2.5	PASS
		VN	40	0.65	0.000378	± 2.5	PASS
		VN	50	0.35	0.000204	± 2.5	PASS
	MCH	VN	-30	2.18	0.001258	± 2.5	PASS
		VN	-20	3.26	0.001882	± 2.5	PASS
		VN	-10	-1.49	-0.000860	± 2.5	PASS
		VN	0	3.65	0.002107	± 2.5	PASS
		VN	10	3.48	0.002009	± 2.5	PASS
		VN	20	3.01	0.001737	± 2.5	PASS

		VN	30	3.5	0.002020	± 2.5	PASS
		VN	40	-1.35	-0.000779	± 2.5	PASS
		VN	50	-1.96	-0.001131	± 2.5	PASS
	HCH	VN	-30	-0.47	-0.000269	± 2.5	PASS
		VN	-20	-0.6	-0.000343	± 2.5	PASS
		VN	-10	2.88	0.001648	± 2.5	PASS
		VN	0	2.9	0.001660	± 2.5	PASS
		VN	10	4.99	0.002856	± 2.5	PASS
		VN	20	0.05	0.000029	± 2.5	PASS
		VN	30	3.88	0.002220	± 2.5	PASS
16QAM	LCH	VN	40	-0.82	-0.000469	± 2.5	PASS
		VN	50	1.07	0.000612	± 2.5	PASS
	MCH	VN	-30	-1.84	-0.001062	± 2.5	PASS
		VN	-20	0.92	0.000531	± 2.5	PASS
		VN	-10	1.36	0.000785	± 2.5	PASS
		VN	0	-1.87	-0.001079	± 2.5	PASS
		VN	10	1.88	0.001085	± 2.5	PASS
		VN	20	-1.43	-0.000825	± 2.5	PASS
		VN	30	1.91	0.001102	± 2.5	PASS
		VN	40	-1.89	-0.001091	± 2.5	PASS
		VN	50	3.81	0.002199	± 2.5	PASS
	HCH	VN	-30	3.71	0.002123	± 2.5	PASS
		VN	-20	-0.58	-0.000332	± 2.5	PASS
		VN	-10	2.1	0.001202	± 2.5	PASS
		VN	0	1.05	0.000601	± 2.5	PASS
		VN	10	3.47	0.001986	± 2.5	PASS
		VN	20	3.33	0.001906	± 2.5	PASS
		VN	30	3.51	0.002009	± 2.5	PASS
		VN	40	-0.29	-0.000166	± 2.5	PASS
		VN	50	3.86	0.002209	± 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	2.29	0.001331	± 2.5	PASS
		VN	TN	-0.67	-0.000390	± 2.5	PASS
		VH	TN	-1.78	-0.001035	± 2.5	PASS
	MCH	VL	TN	3.04	0.001755	± 2.5	PASS
		VN	TN	-0.43	-0.000248	± 2.5	PASS
		VH	TN	-1.17	-0.000675	± 2.5	PASS
	HCH	VL	TN	4.62	0.002648	± 2.5	PASS
		VN	TN	-0.17	-0.000097	± 2.5	PASS
		VH	TN	3.67	0.002103	± 2.5	PASS
16QAM	LCH	VL	TN	1.31	0.000762	± 2.5	PASS
		VN	TN	-0.33	-0.000192	± 2.5	PASS
		VH	TN	2.59	0.001506	± 2.5	PASS
	MCH	VL	TN	-1.07	-0.000618	± 2.5	PASS
		VN	TN	-1.33	-0.000768	± 2.5	PASS
		VH	TN	-1.66	-0.000958	± 2.5	PASS
	HCH	VL	TN	3.94	0.002258	± 2.5	PASS
		VN	TN	2.45	0.001404	± 2.5	PASS
		VH	TN	3.46	0.001983	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.91	0.002273	± 2.5	PASS
		VN	-20	-0.03	-0.000017	± 2.5	PASS
		VN	-10	1	0.000581	± 2.5	PASS
		VN	0	1.19	0.000692	± 2.5	PASS
		VN	10	2.66	0.001547	± 2.5	PASS
		VN	20	2	0.001163	± 2.5	PASS
		VN	30	0.52	0.000302	± 2.5	PASS
		VN	40	3.16	0.001837	± 2.5	PASS
		VN	50	0.71	0.000413	± 2.5	PASS
	MCH	VN	-30	0.97	0.000560	± 2.5	PASS
		VN	-20	2.83	0.001633	± 2.5	PASS
		VN	-10	3.82	0.002205	± 2.5	PASS
		VN	0	-1.09	-0.000629	± 2.5	PASS
		VN	10	1.69	0.000975	± 2.5	PASS
		VN	20	2.19	0.001264	± 2.5	PASS

		VN	30	4.14	0.002390	± 2.5	PASS
		VN	40	4.01	0.002315	± 2.5	PASS
		VN	50	0.88	0.000508	± 2.5	PASS
	HCH	VN	-30	3.6	0.002063	± 2.5	PASS
		VN	-20	4.19	0.002401	± 2.5	PASS
		VN	-10	2.94	0.001685	± 2.5	PASS
		VN	0	4.81	0.002756	± 2.5	PASS
		VN	10	4.42	0.002533	± 2.5	PASS
		VN	20	1.81	0.001037	± 2.5	PASS
		VN	30	1.48	0.000848	± 2.5	PASS
16QAM	LCH	VN	40	1.18	0.000676	± 2.5	PASS
		VN	50	-0.62	-0.000355	± 2.5	PASS
	MCH	VN	-30	-0.17	-0.000098	± 2.5	PASS
		VN	-20	0.74	0.000427	± 2.5	PASS
		VN	-10	1.66	0.000958	± 2.5	PASS
		VN	0	1.67	0.000964	± 2.5	PASS
		VN	10	-0.8	-0.000462	± 2.5	PASS
		VN	20	4.96	0.002863	± 2.5	PASS
		VN	30	1.75	0.001010	± 2.5	PASS
		VN	40	0.82	0.000473	± 2.5	PASS
		VN	50	2.11	0.001218	± 2.5	PASS
	HCH	VN	-30	0.71	0.000407	± 2.5	PASS
		VN	-20	4.3	0.002464	± 2.5	PASS
		VN	-10	2.03	0.001163	± 2.5	PASS
		VN	0	-1	-0.000573	± 2.5	PASS
		VN	10	4.87	0.002791	± 2.5	PASS
		VN	20	2.63	0.001507	± 2.5	PASS
		VN	30	-0.37	-0.000212	± 2.5	PASS
		VN	40	3.6	0.002063	± 2.5	PASS
		VN	50	1.83	0.001049	± 2.5	PASS