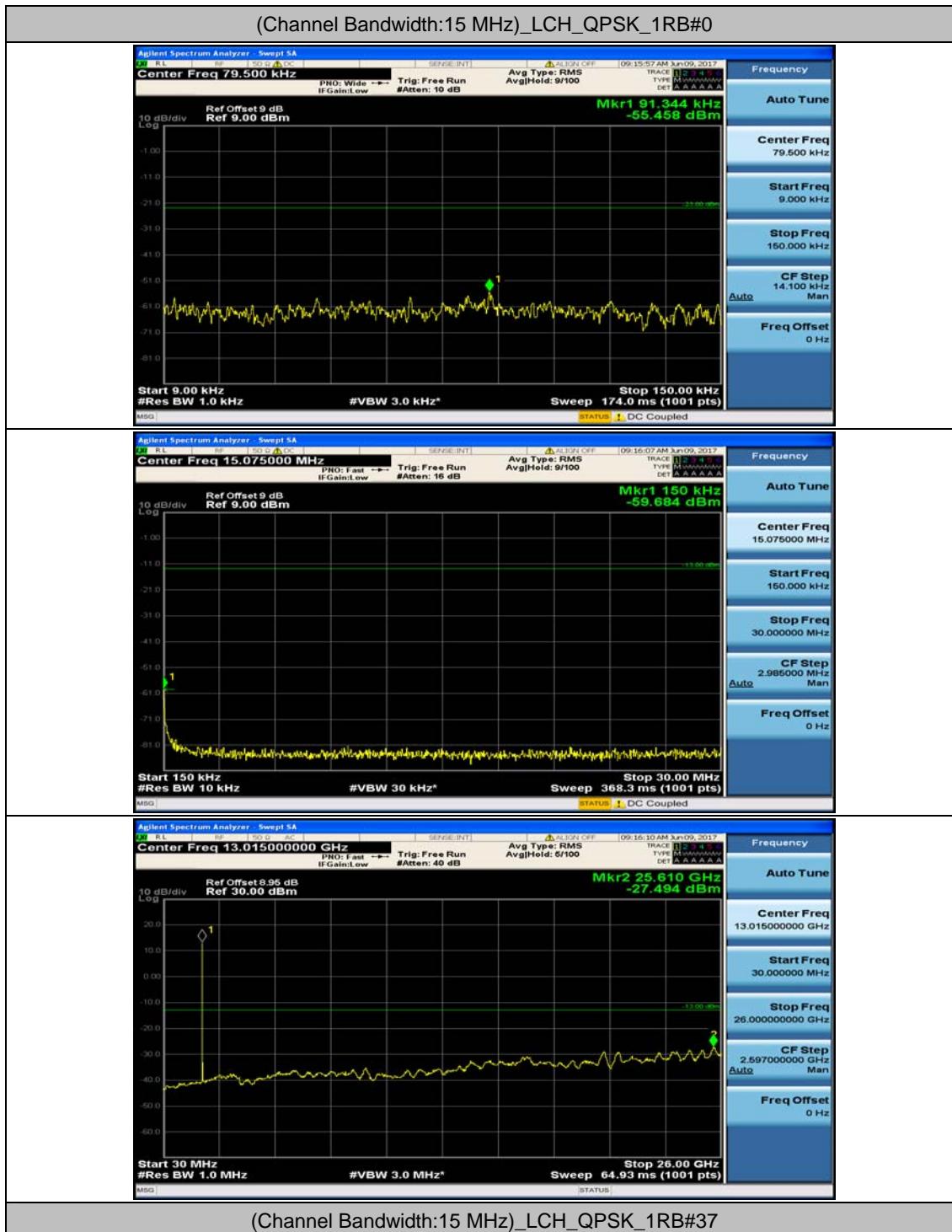
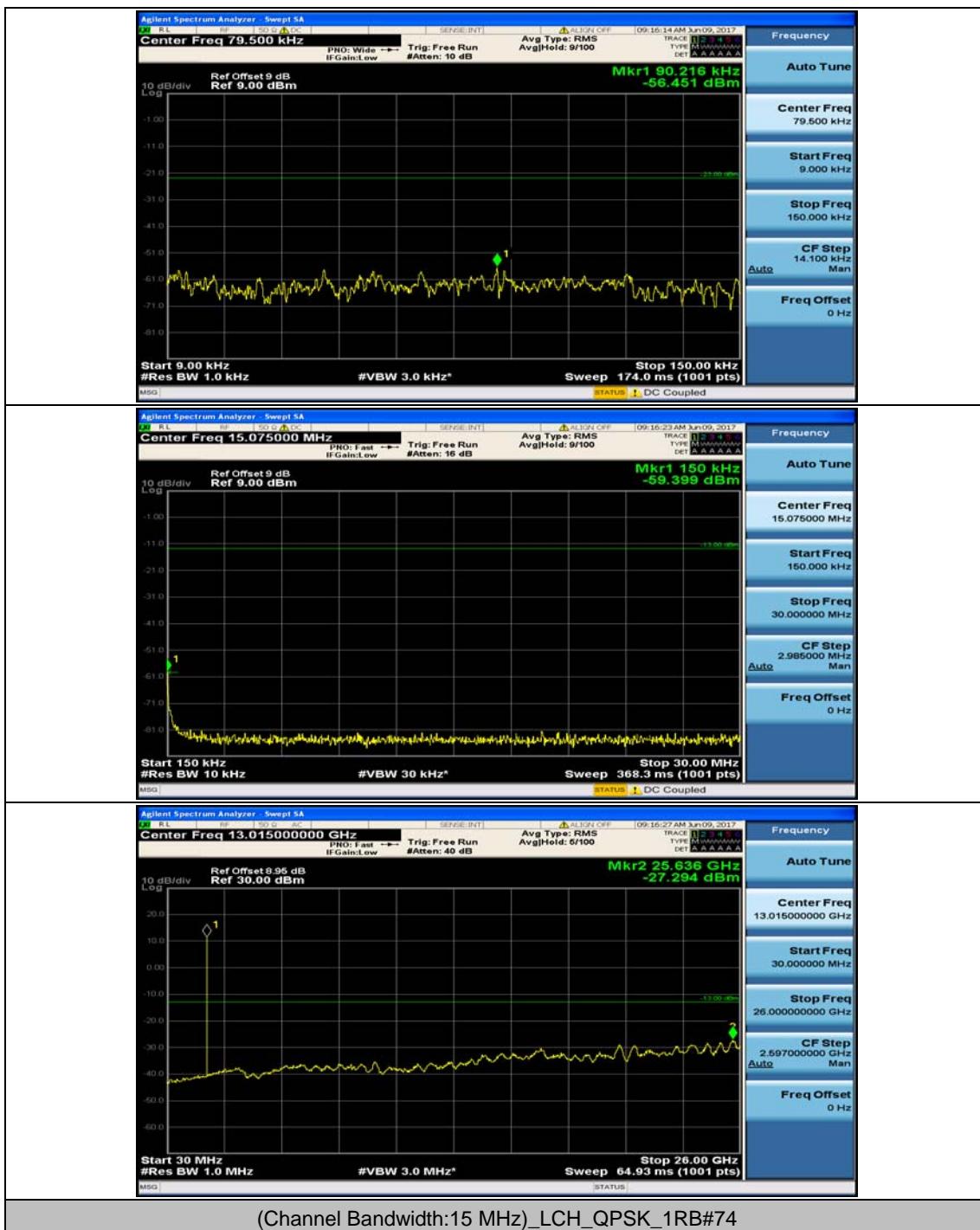
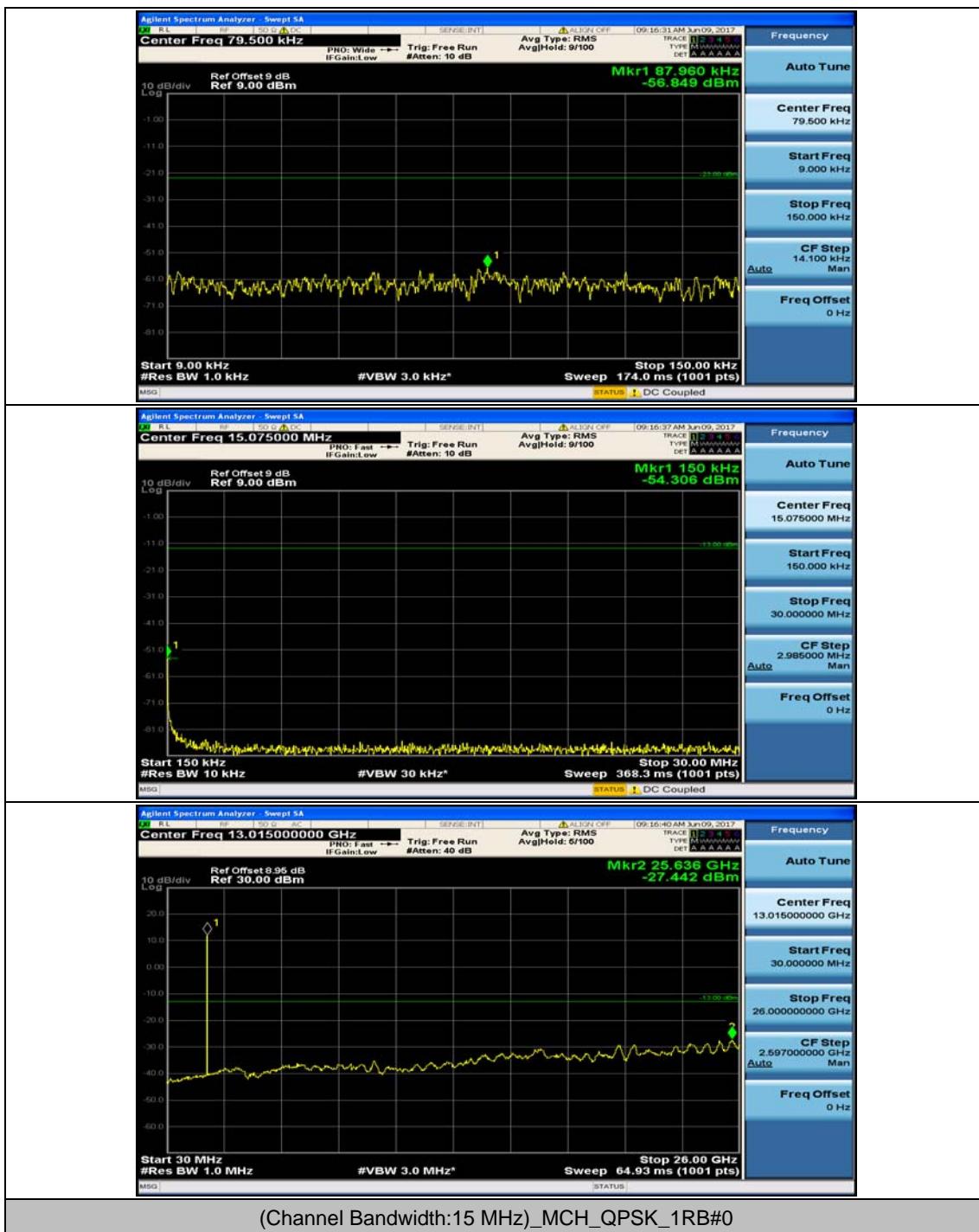
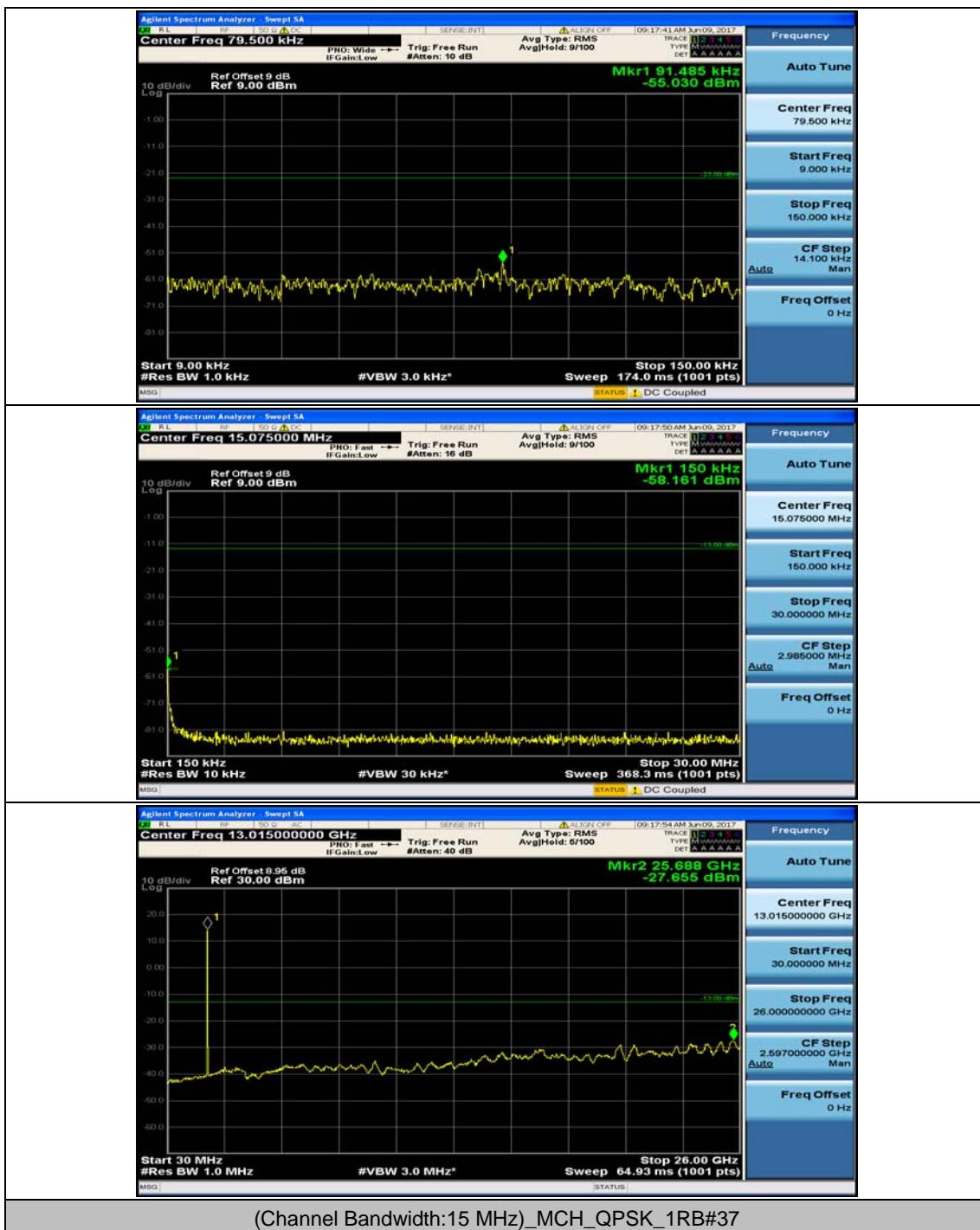


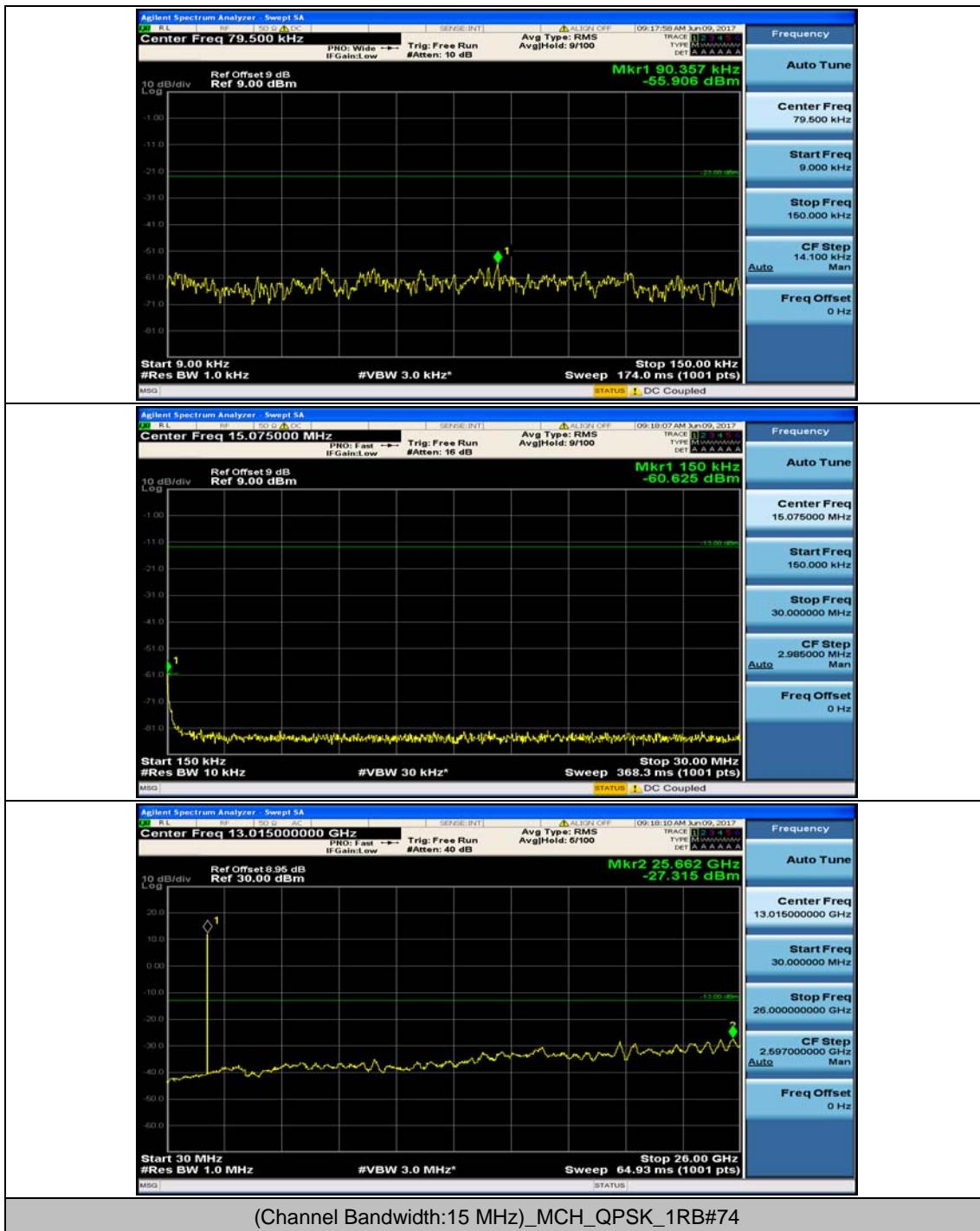
## Channel Bandwidth: 15 MHz

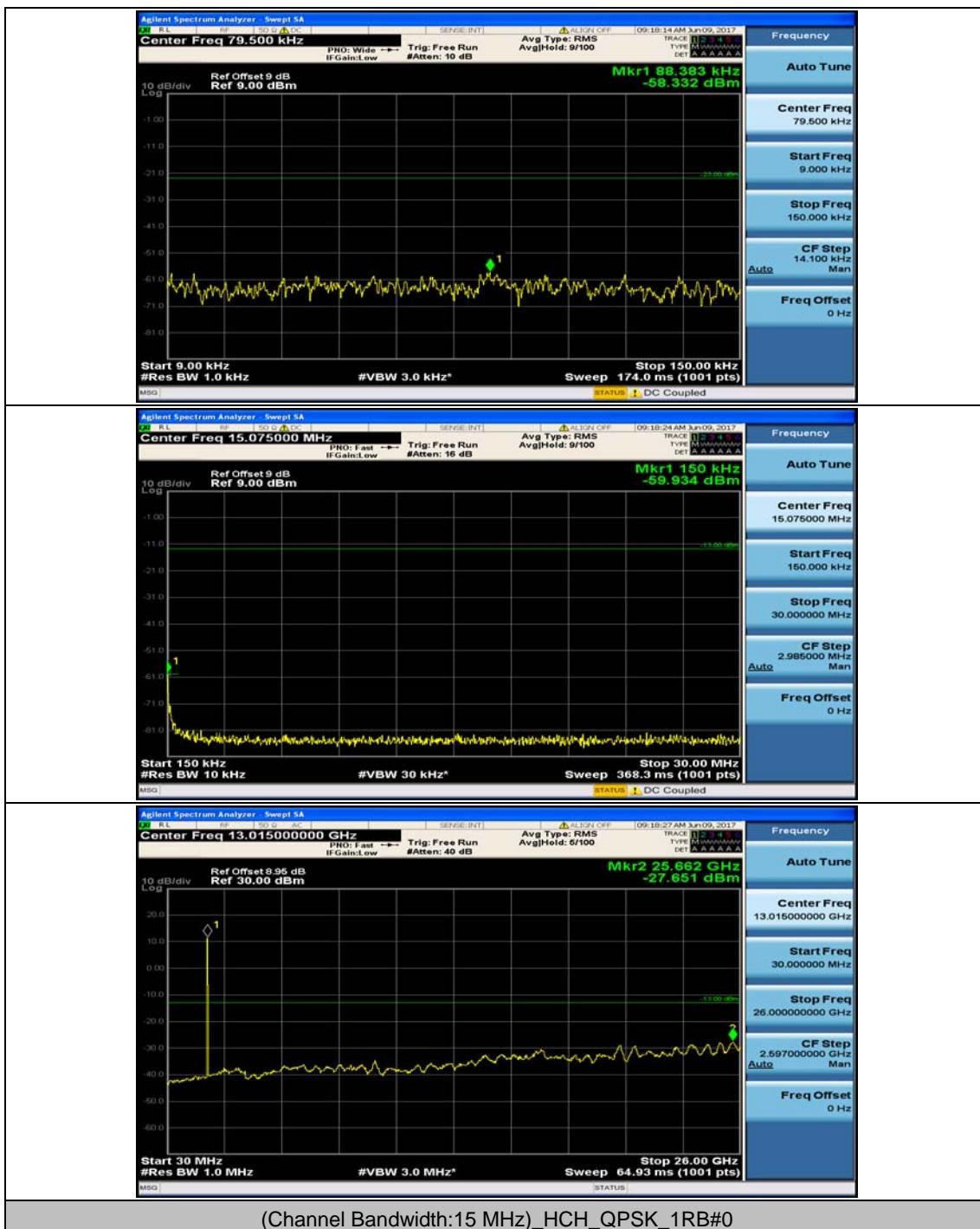


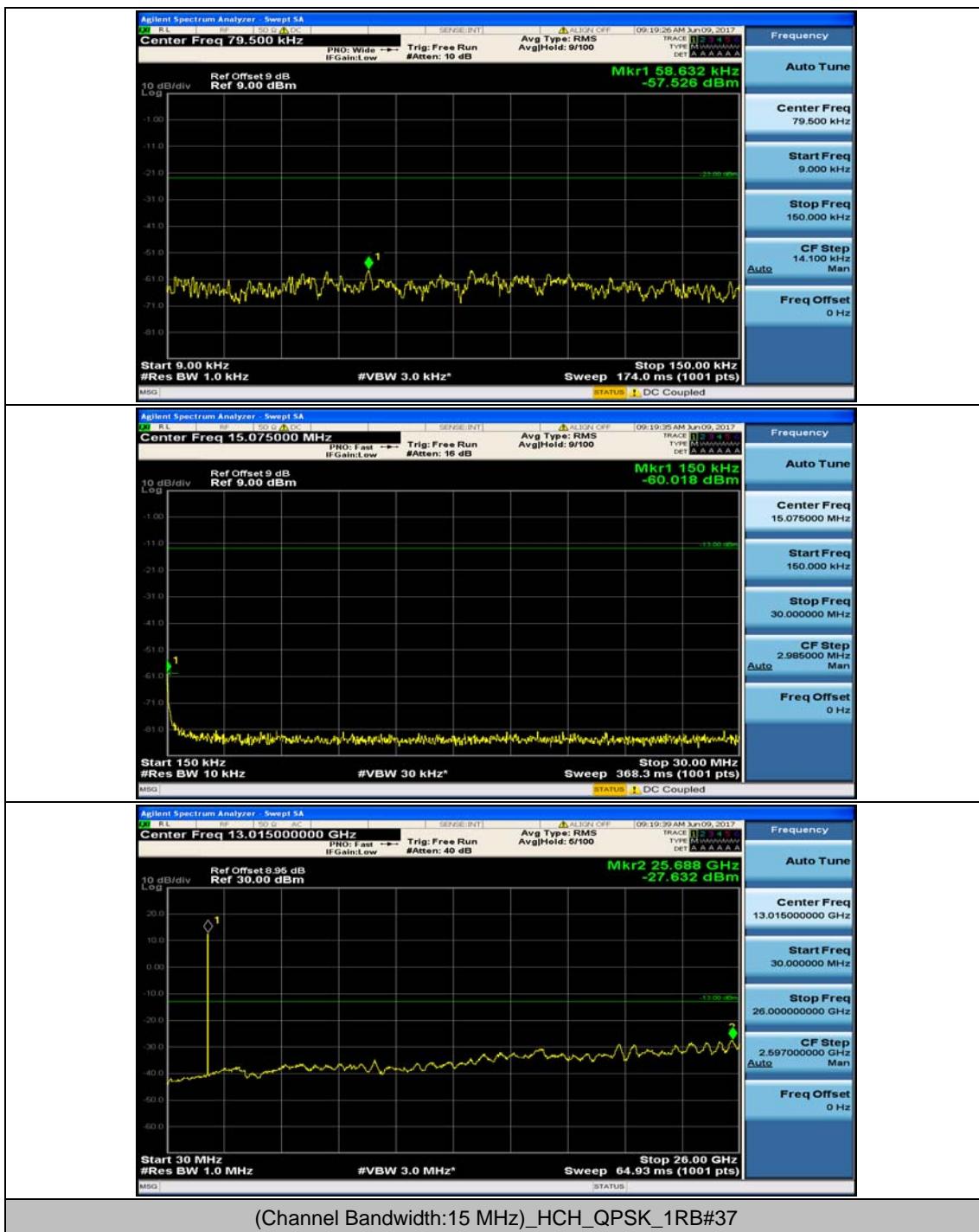


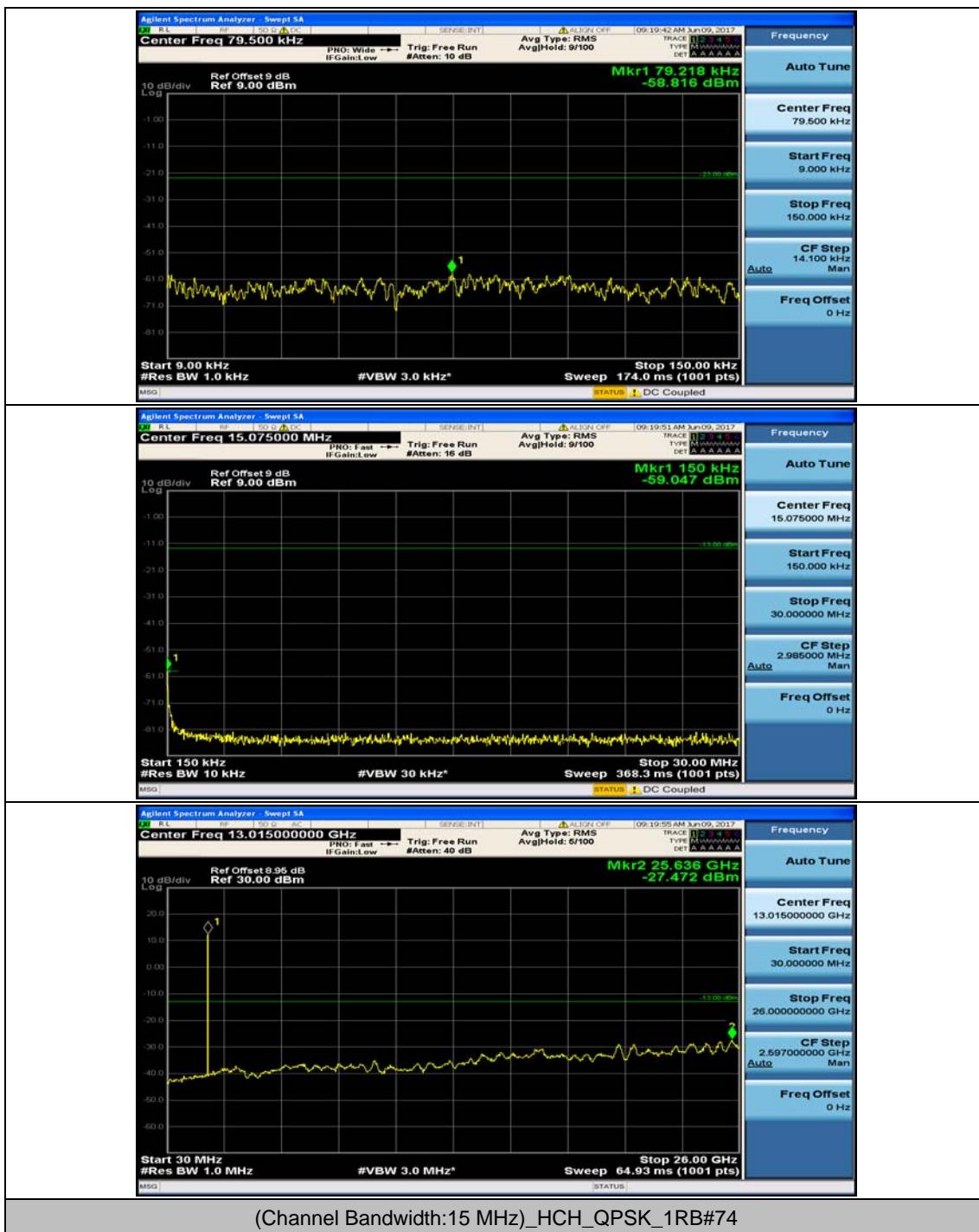


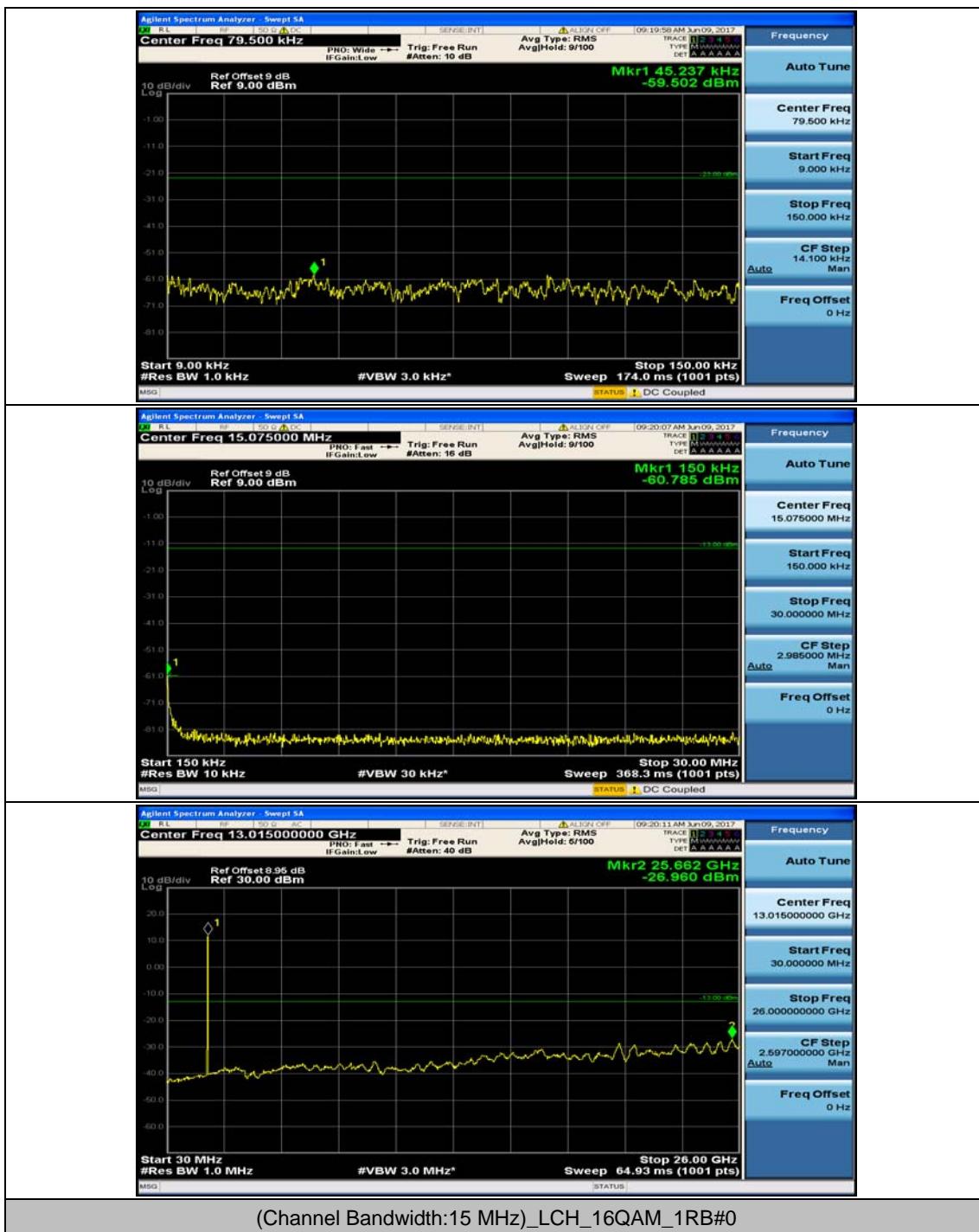


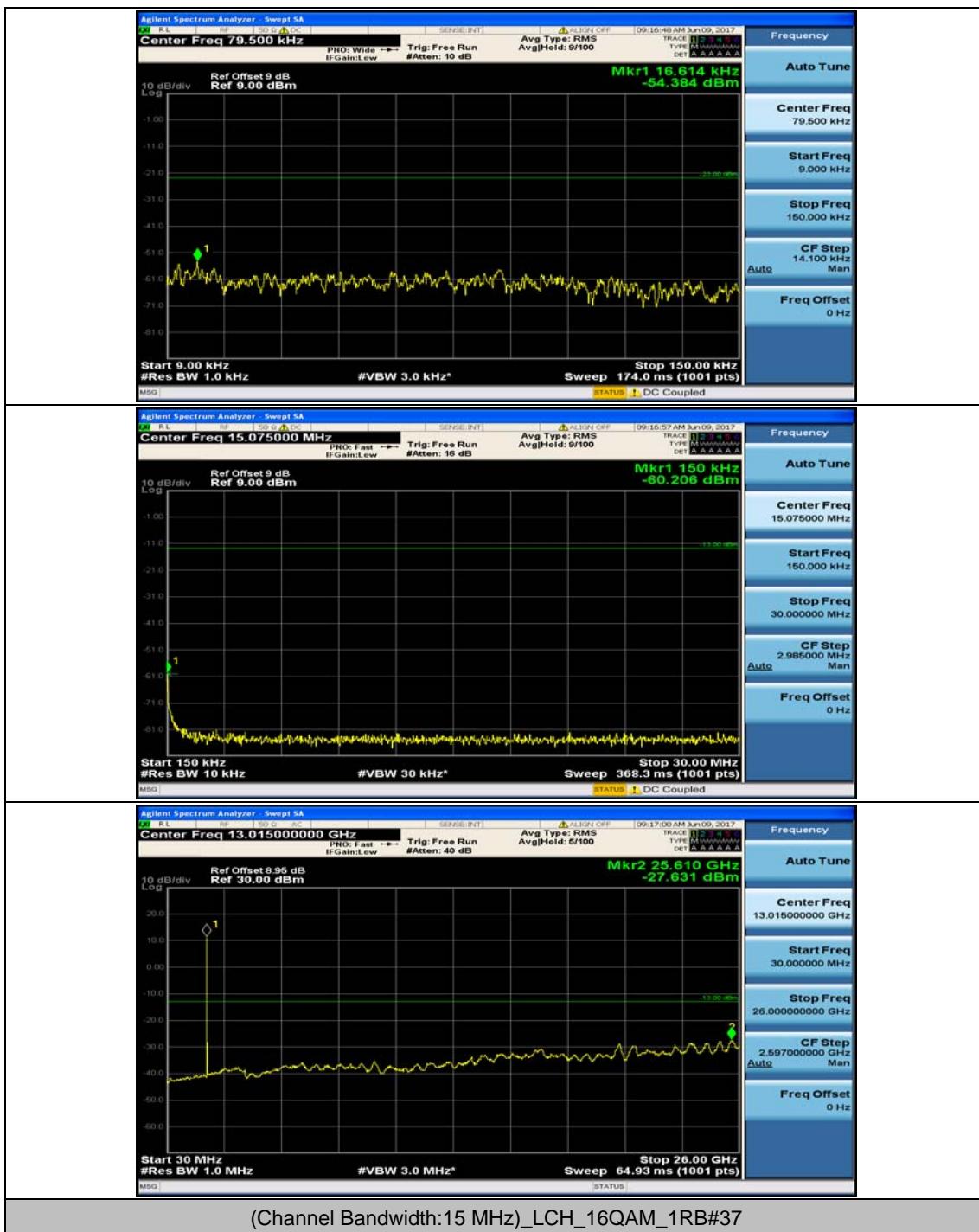




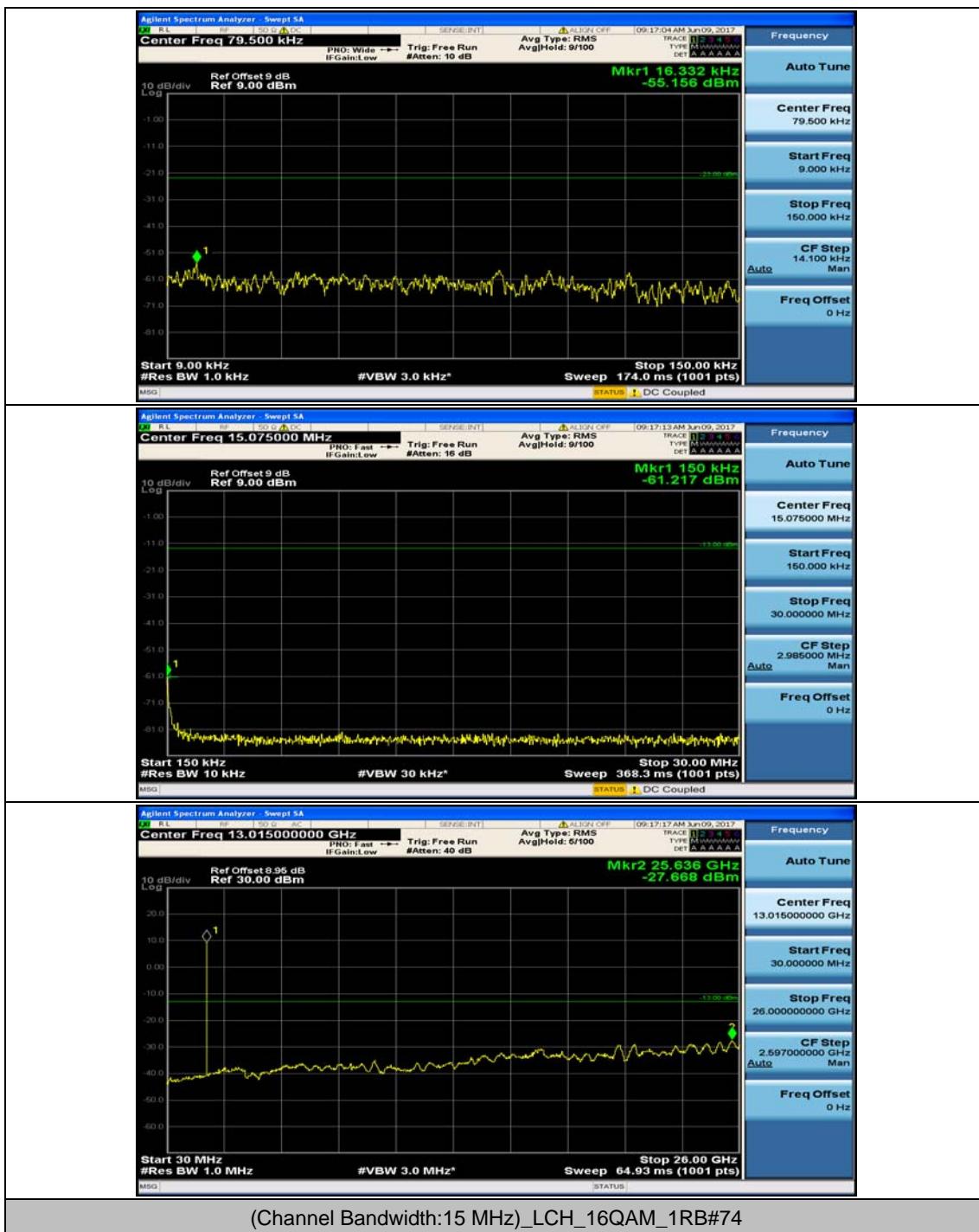




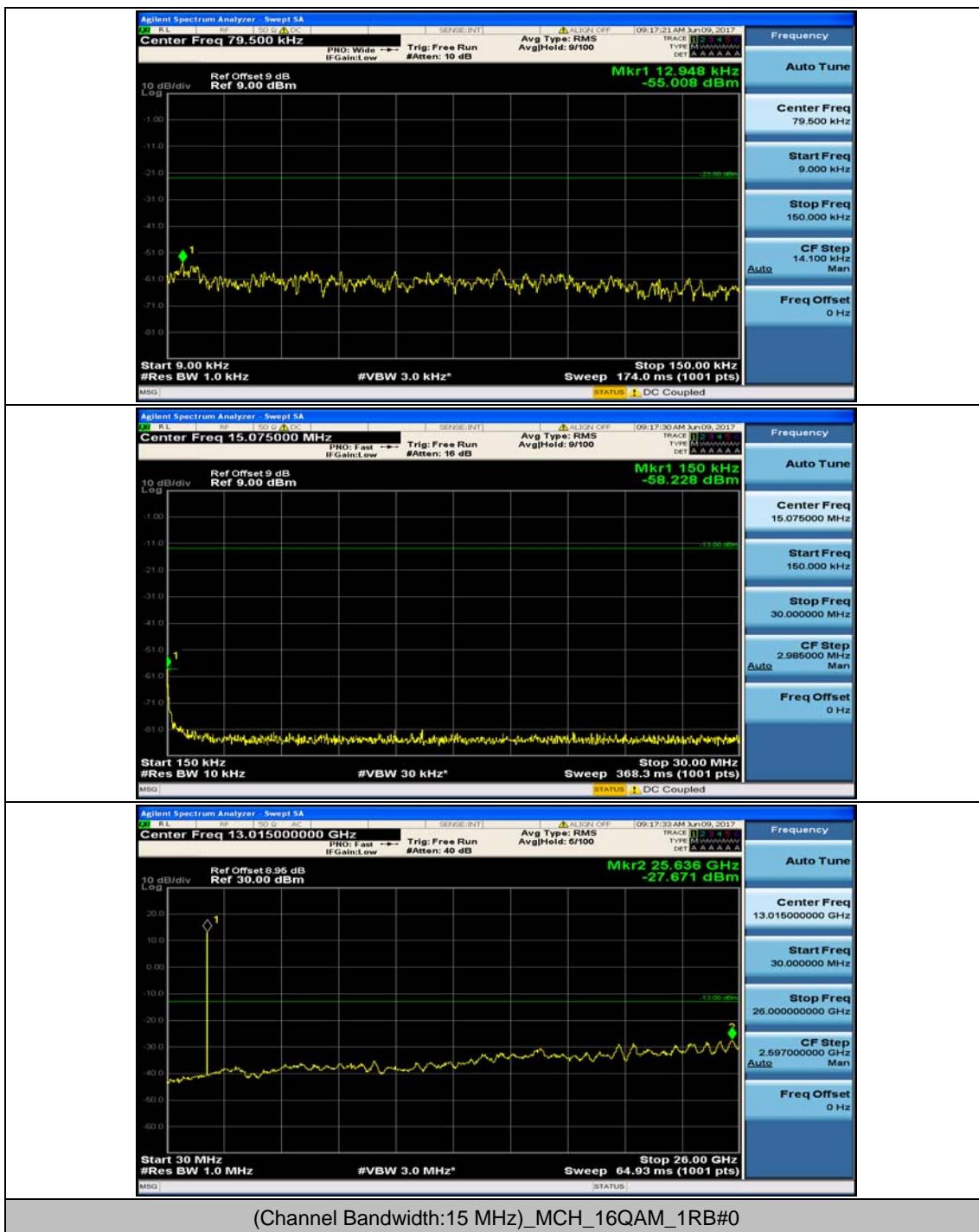


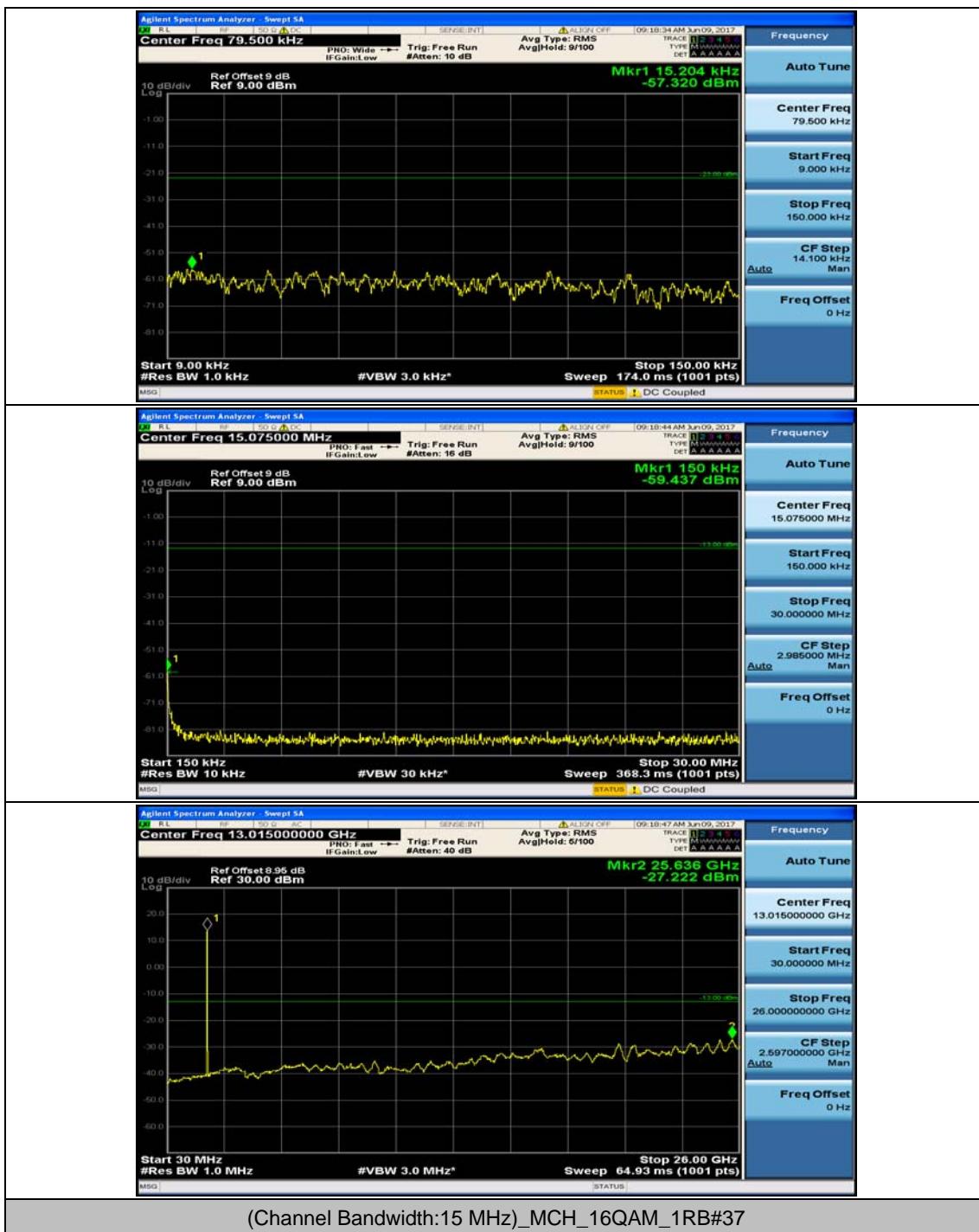


(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_1RB#37

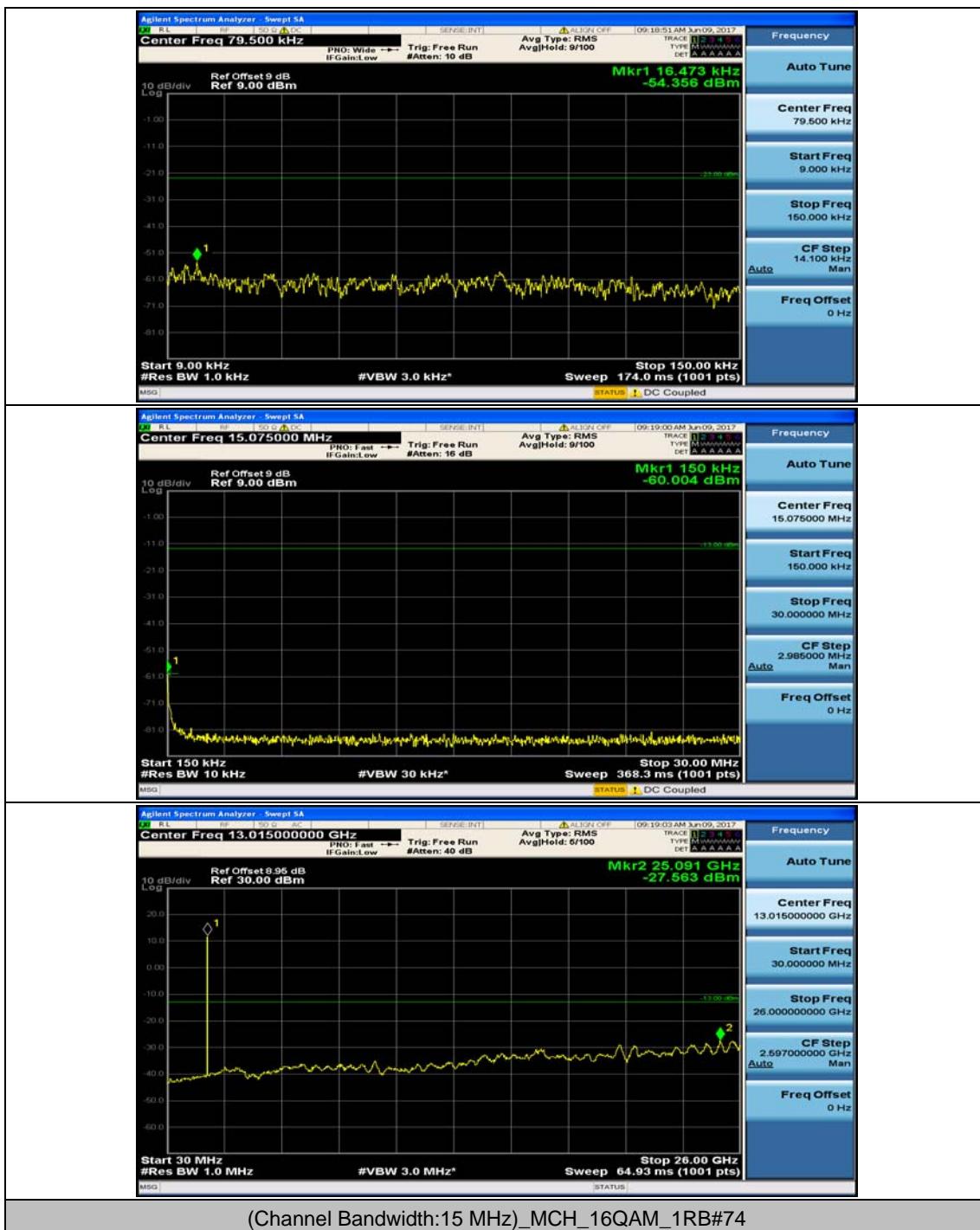


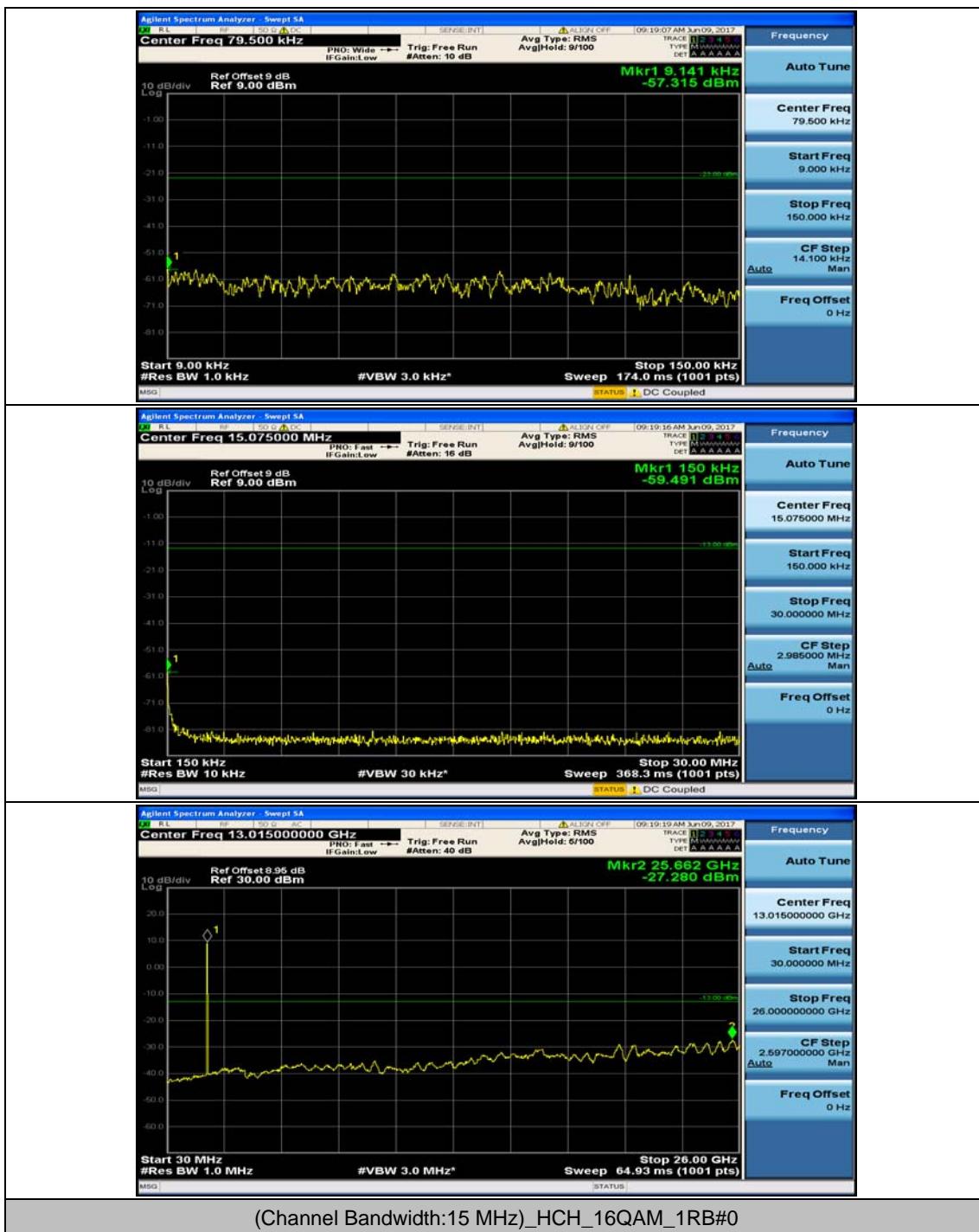
(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_1RB#74

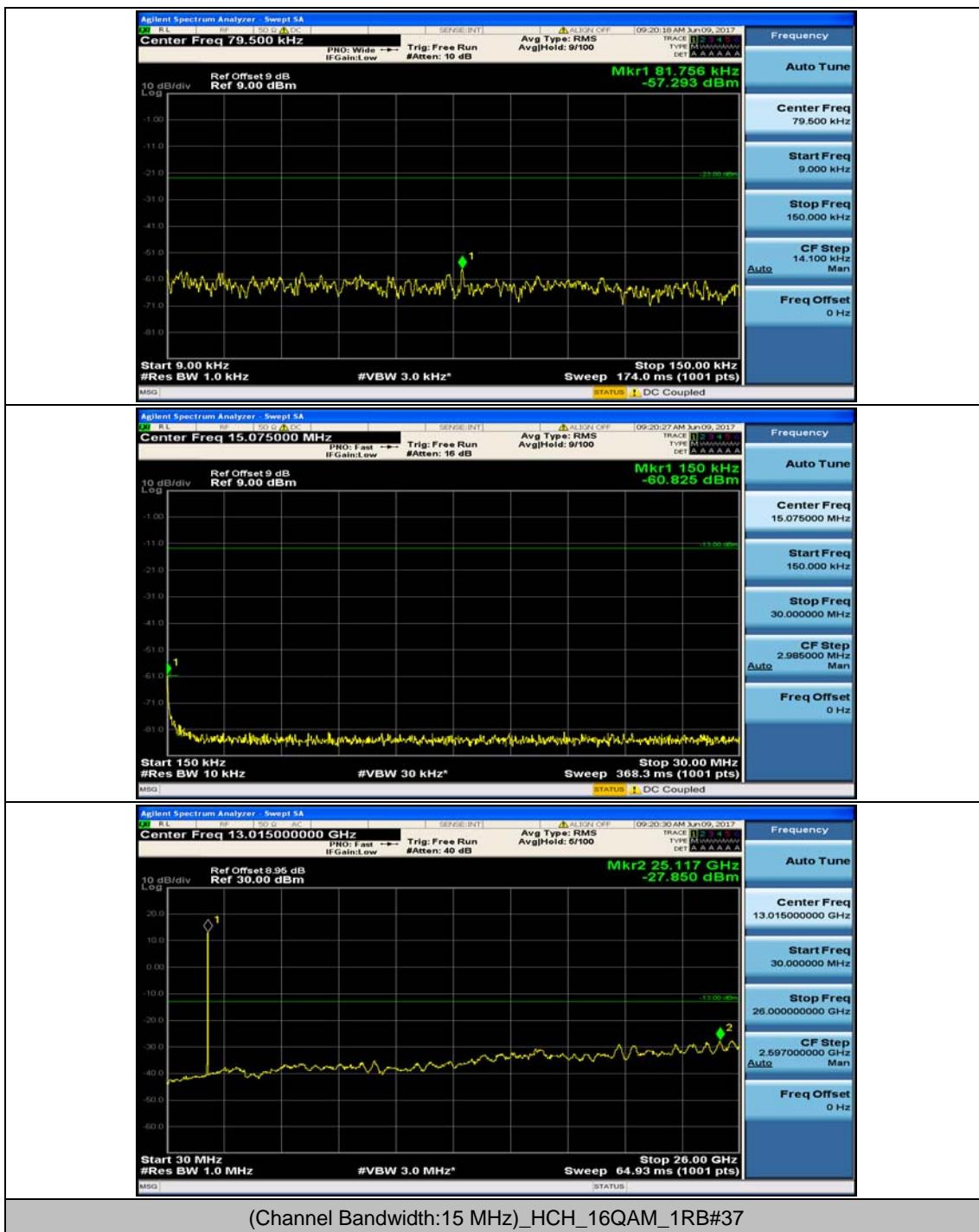


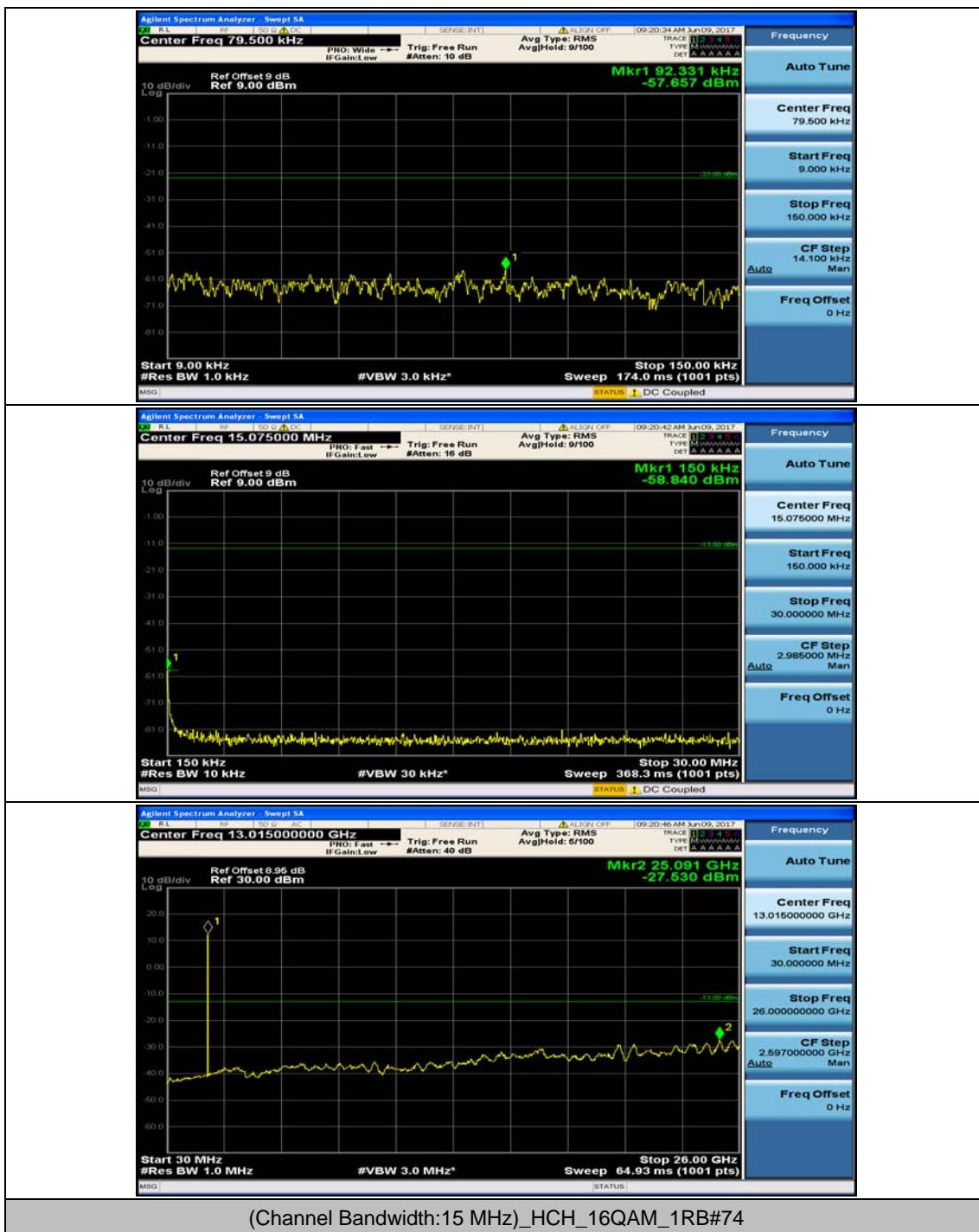


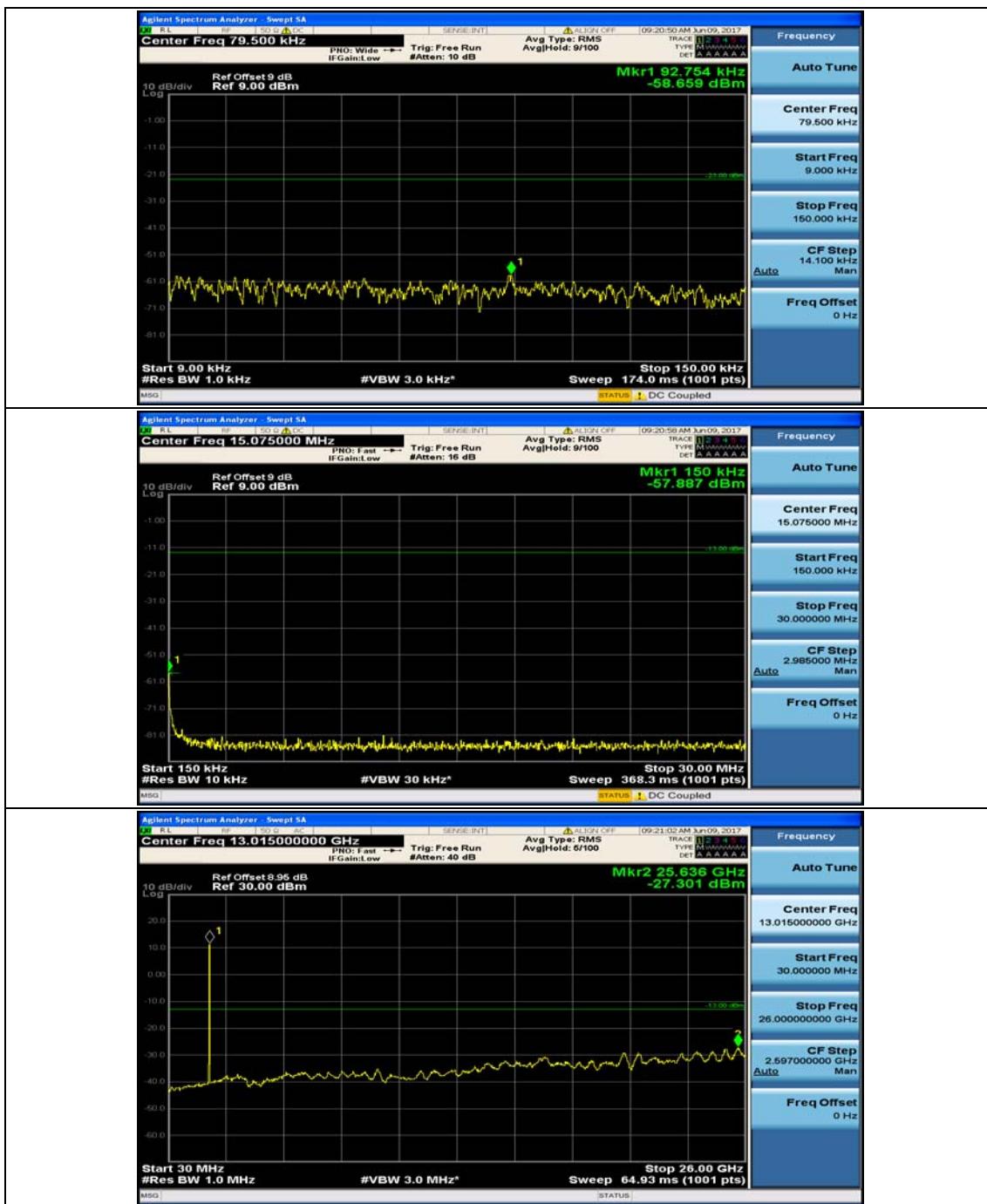
(Channel Bandwidth:15 MHz)\_MCH\_16QAM\_1RB#37



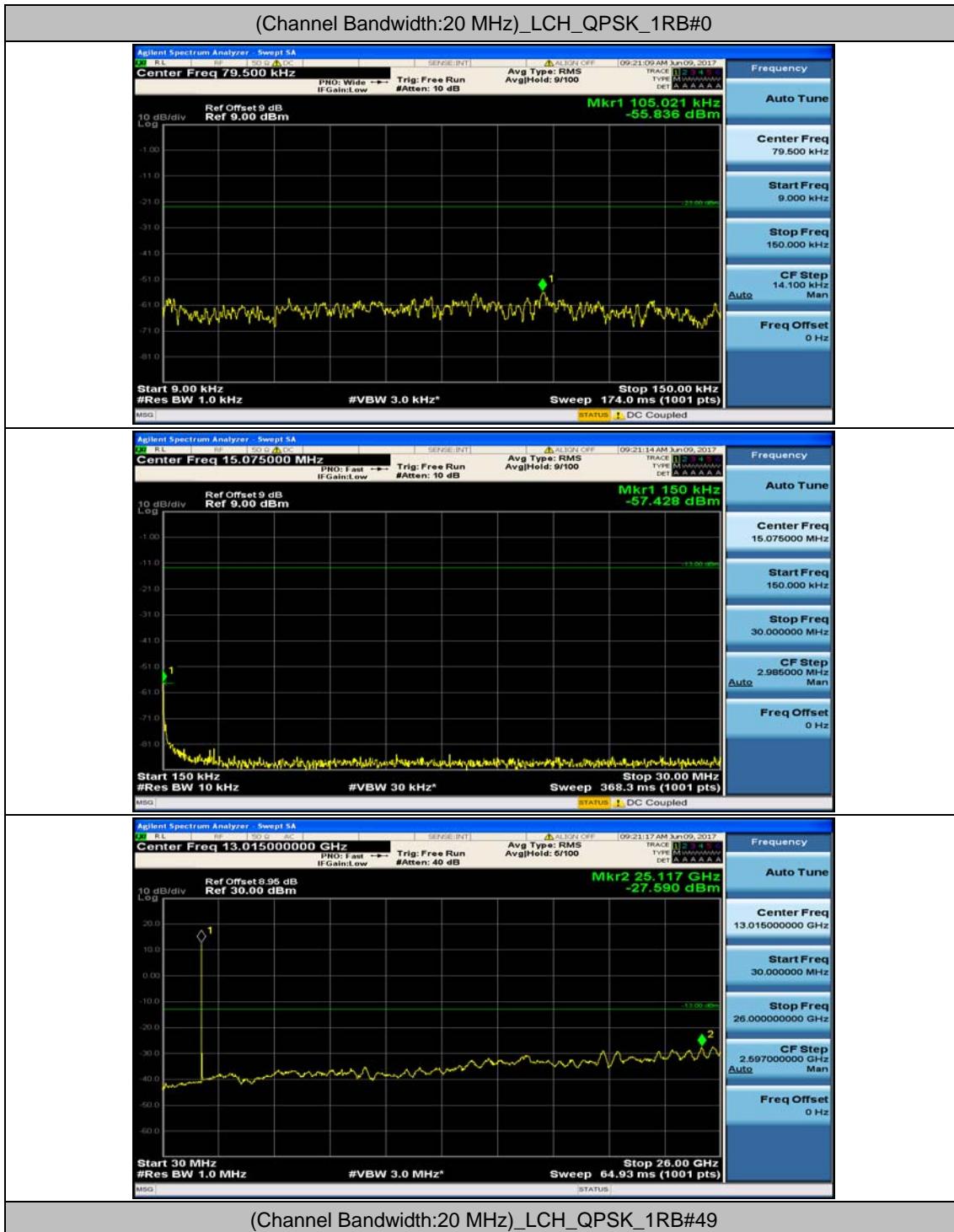


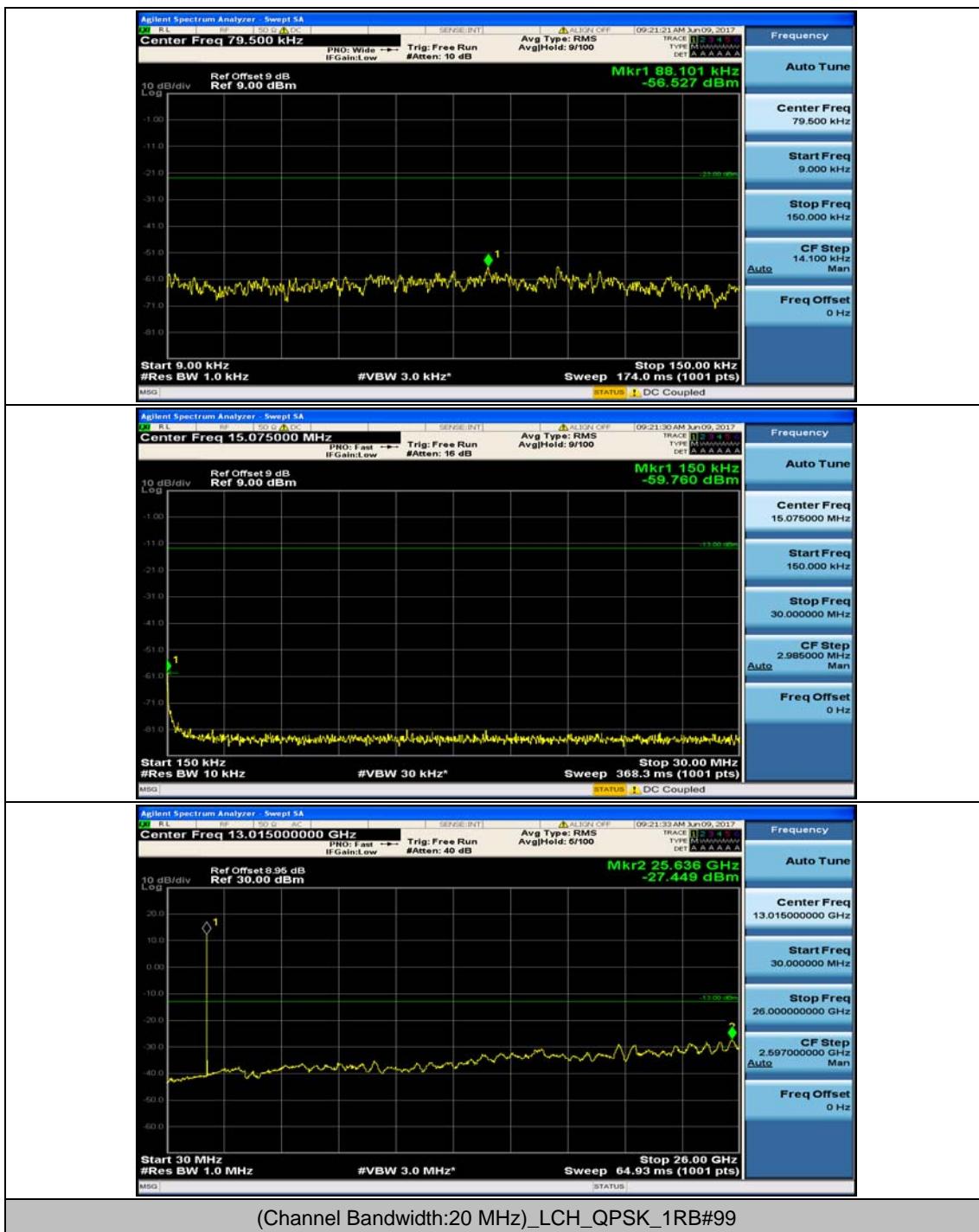


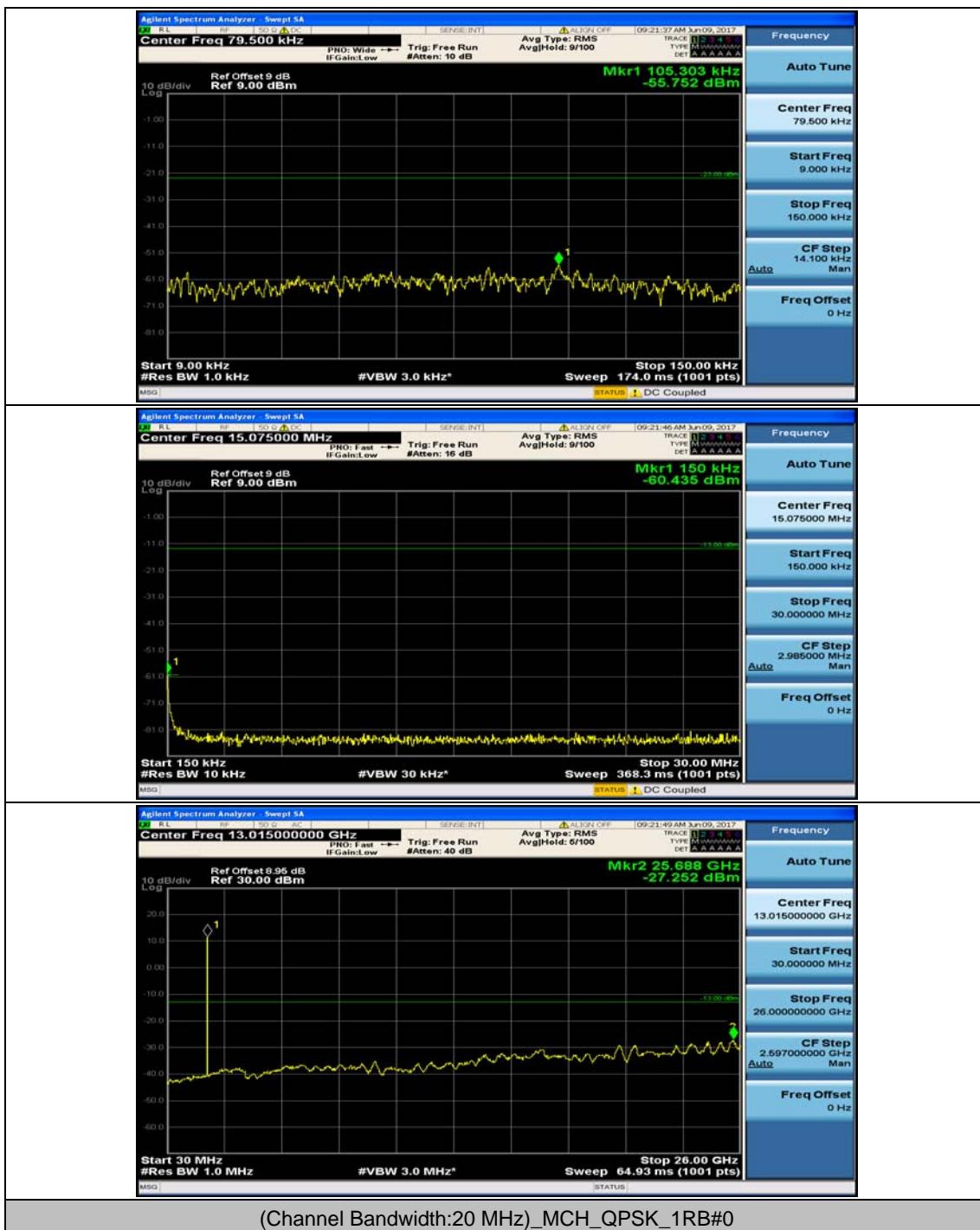


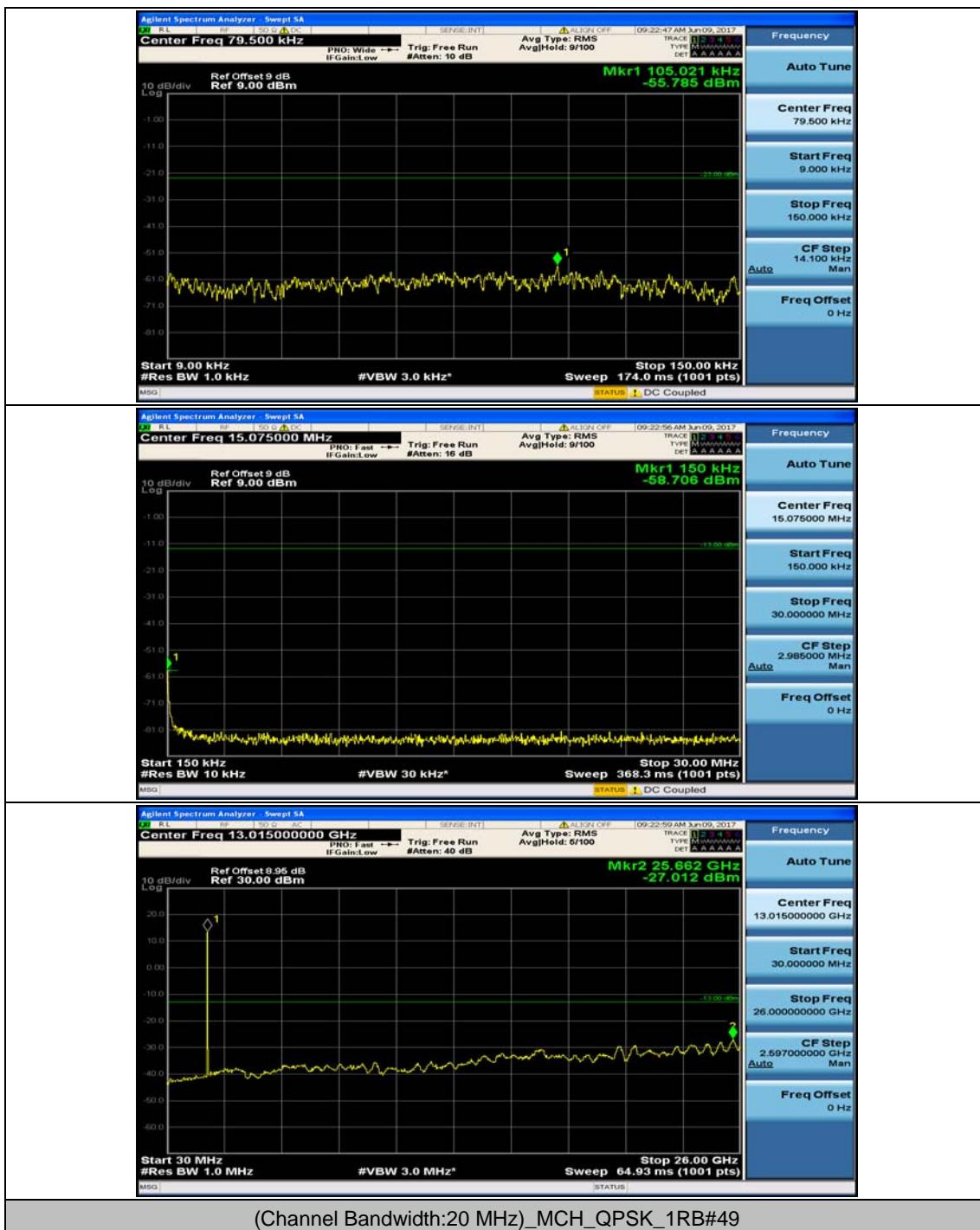


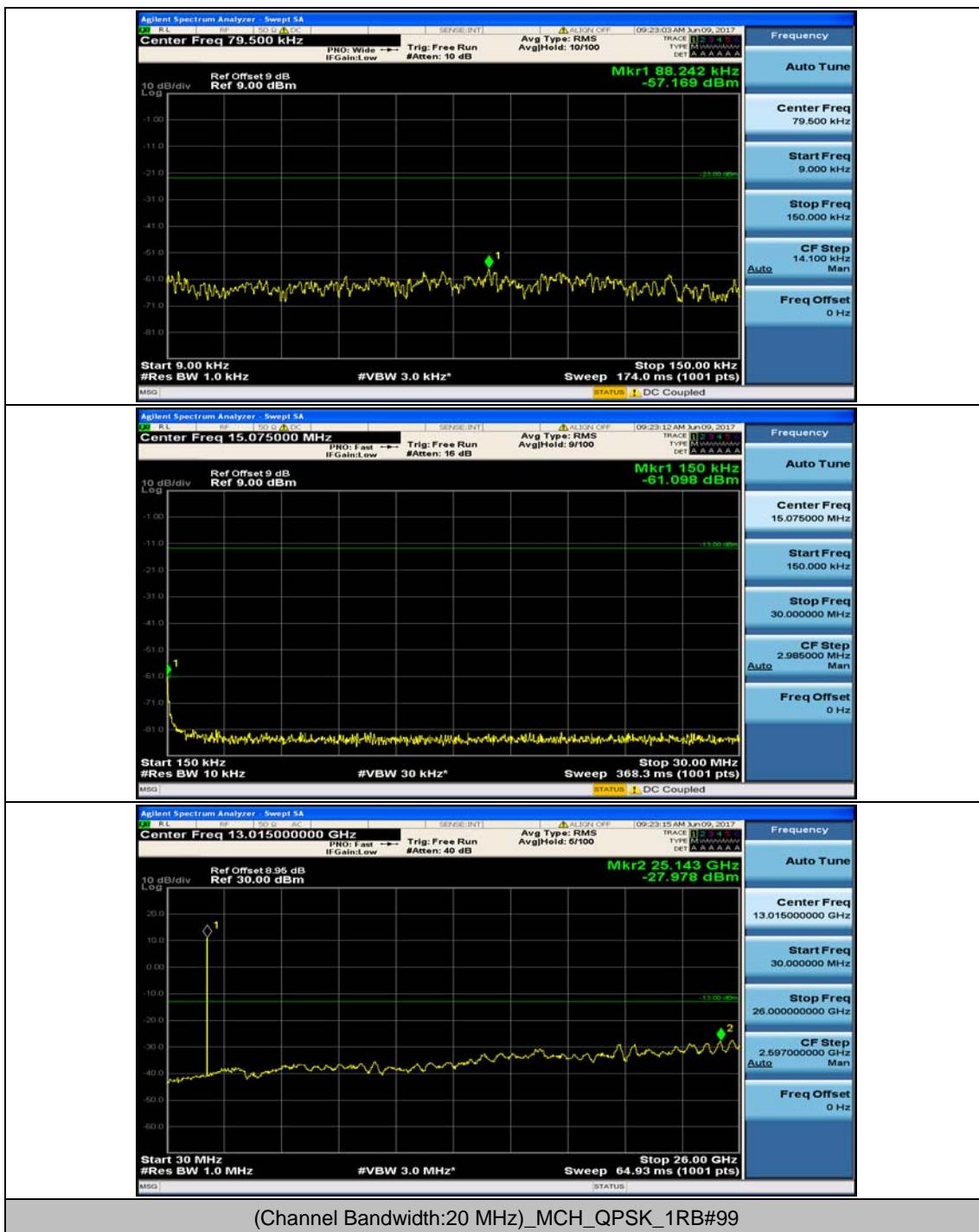
## Channel Bandwidth: 20 MHz

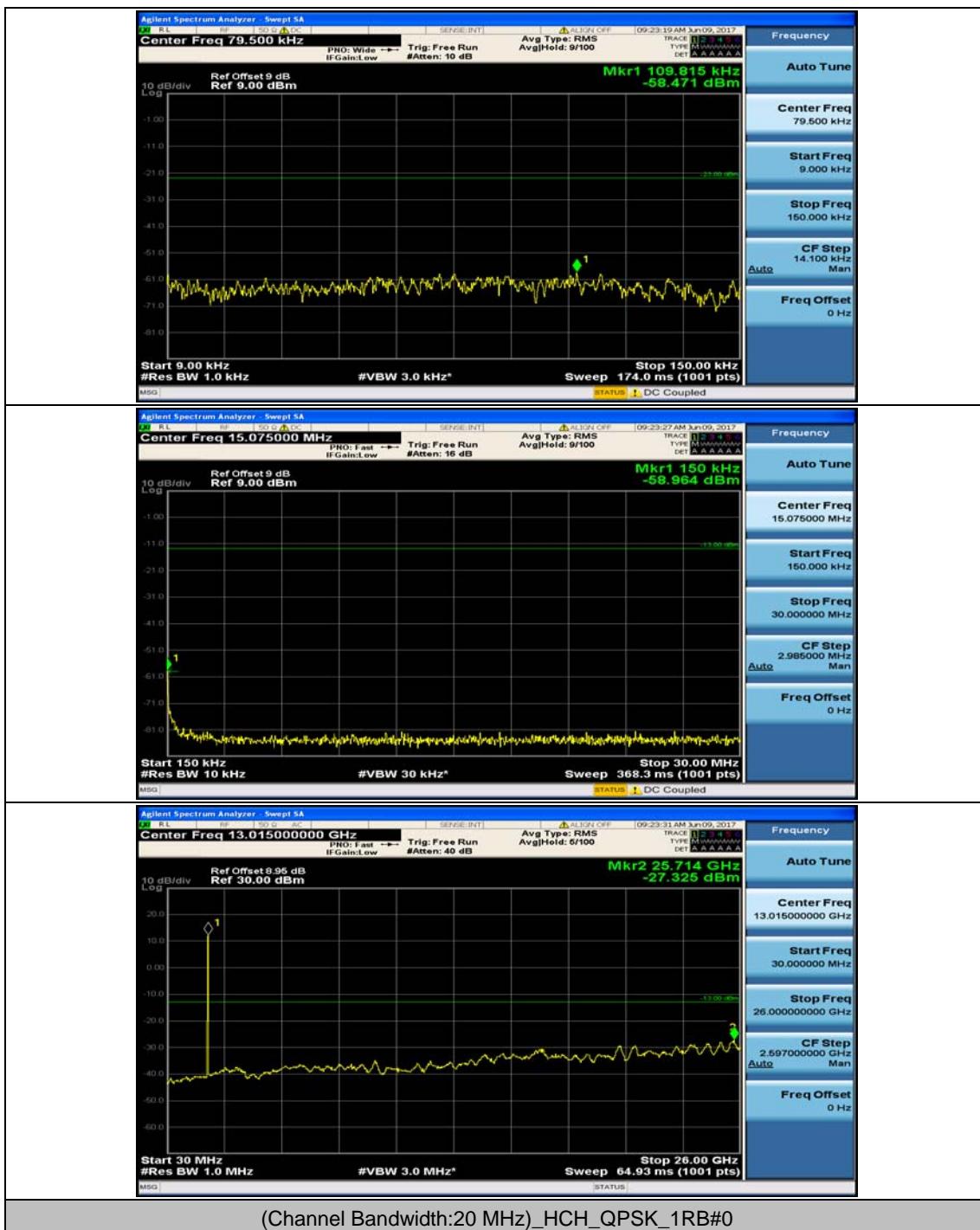


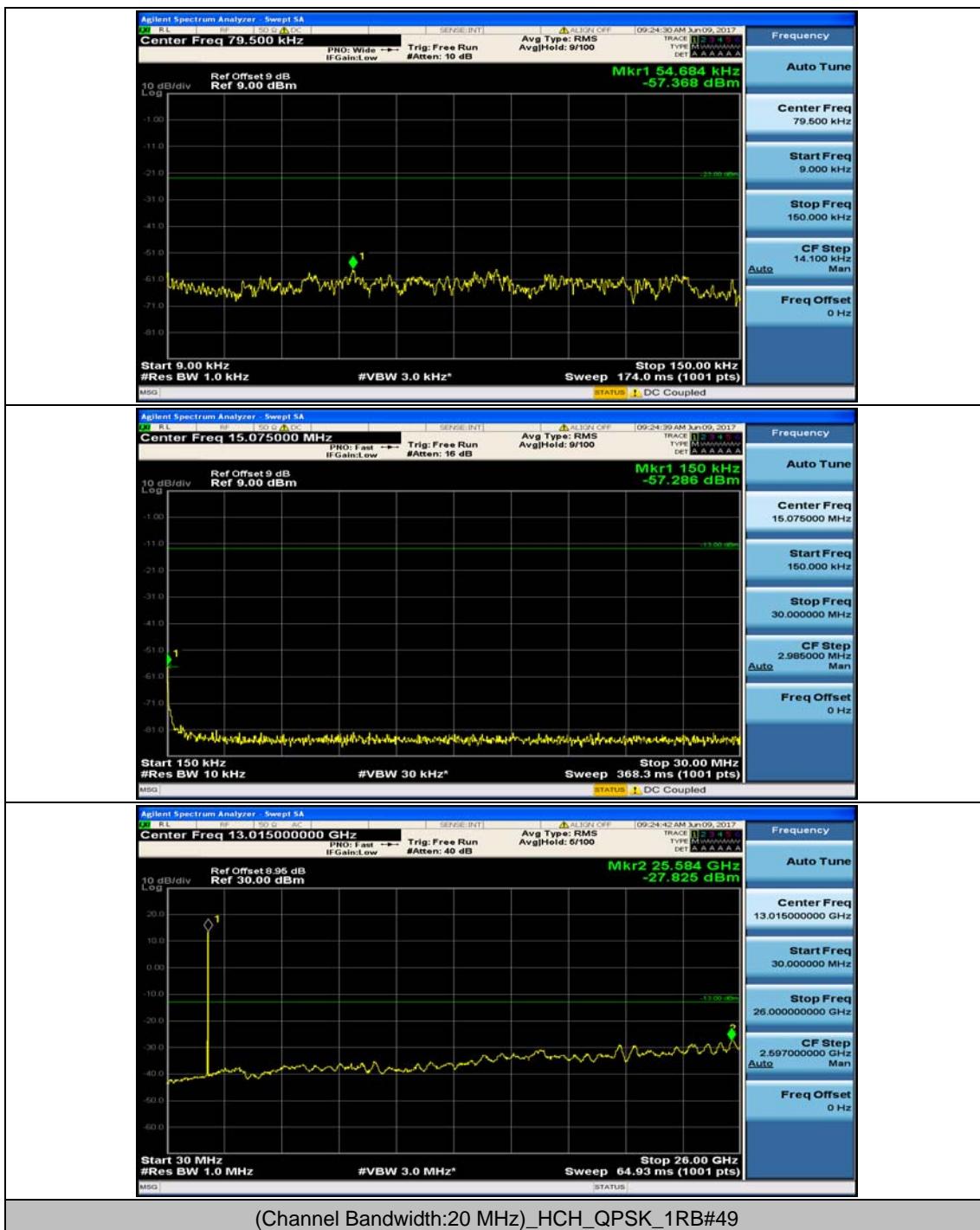


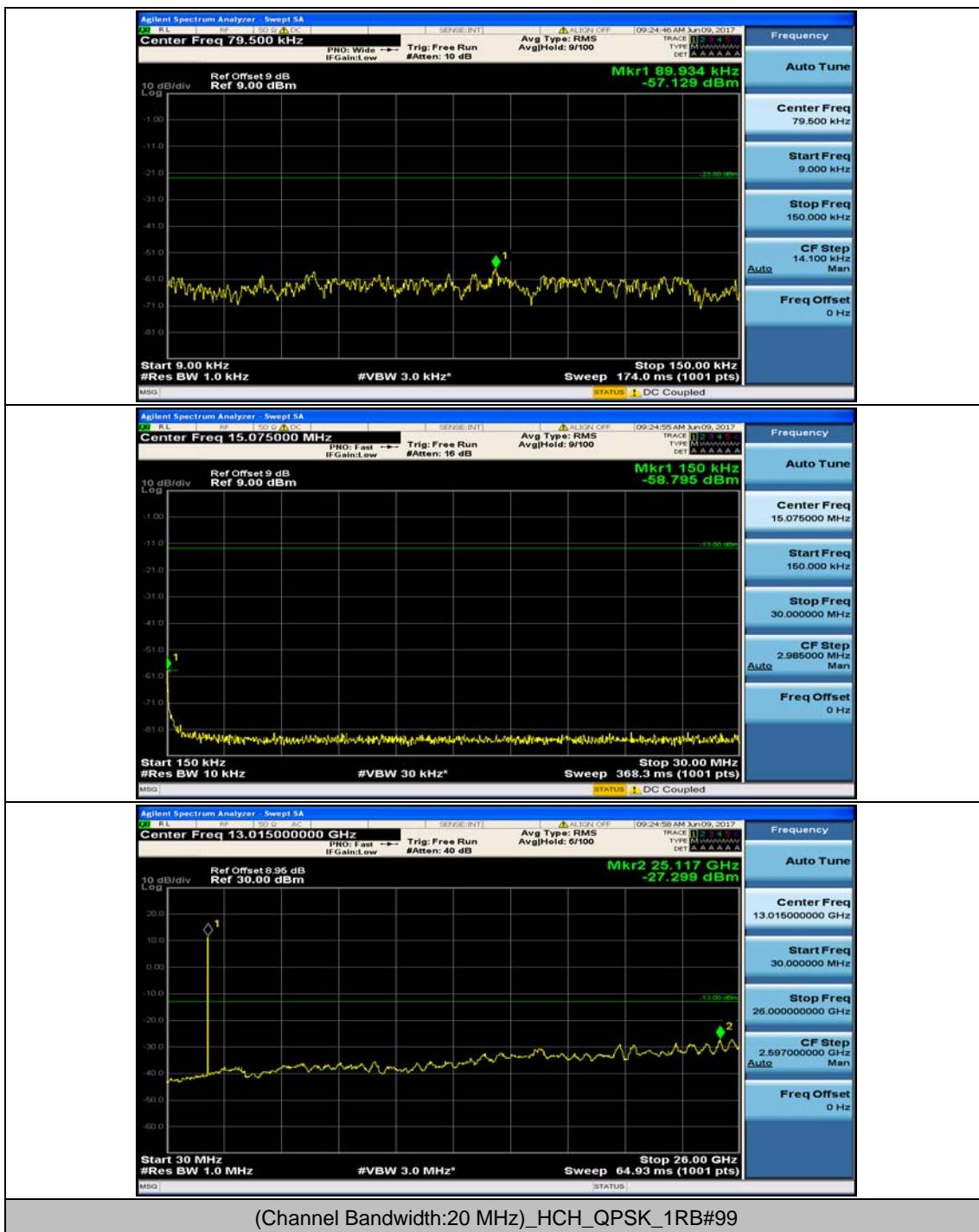


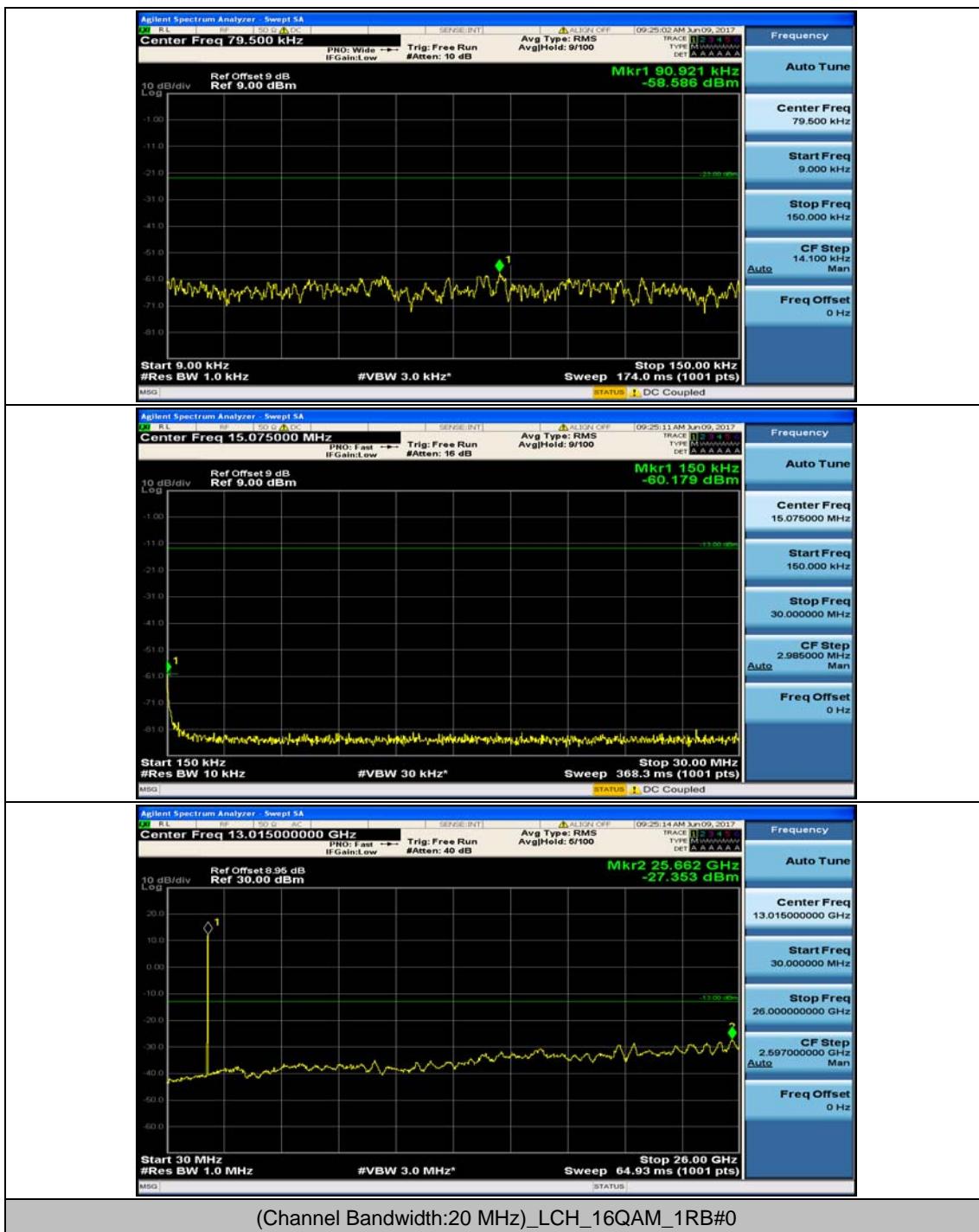


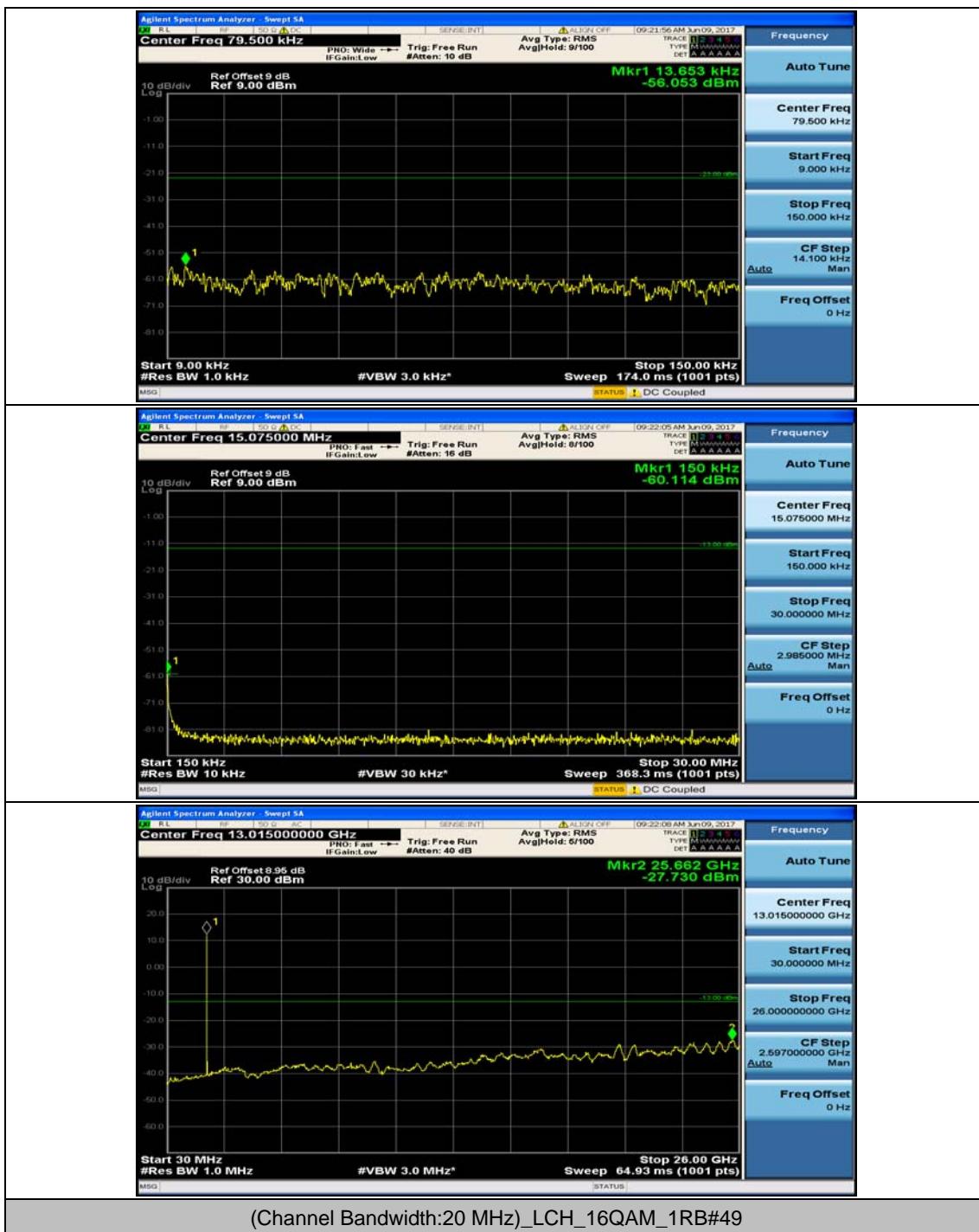




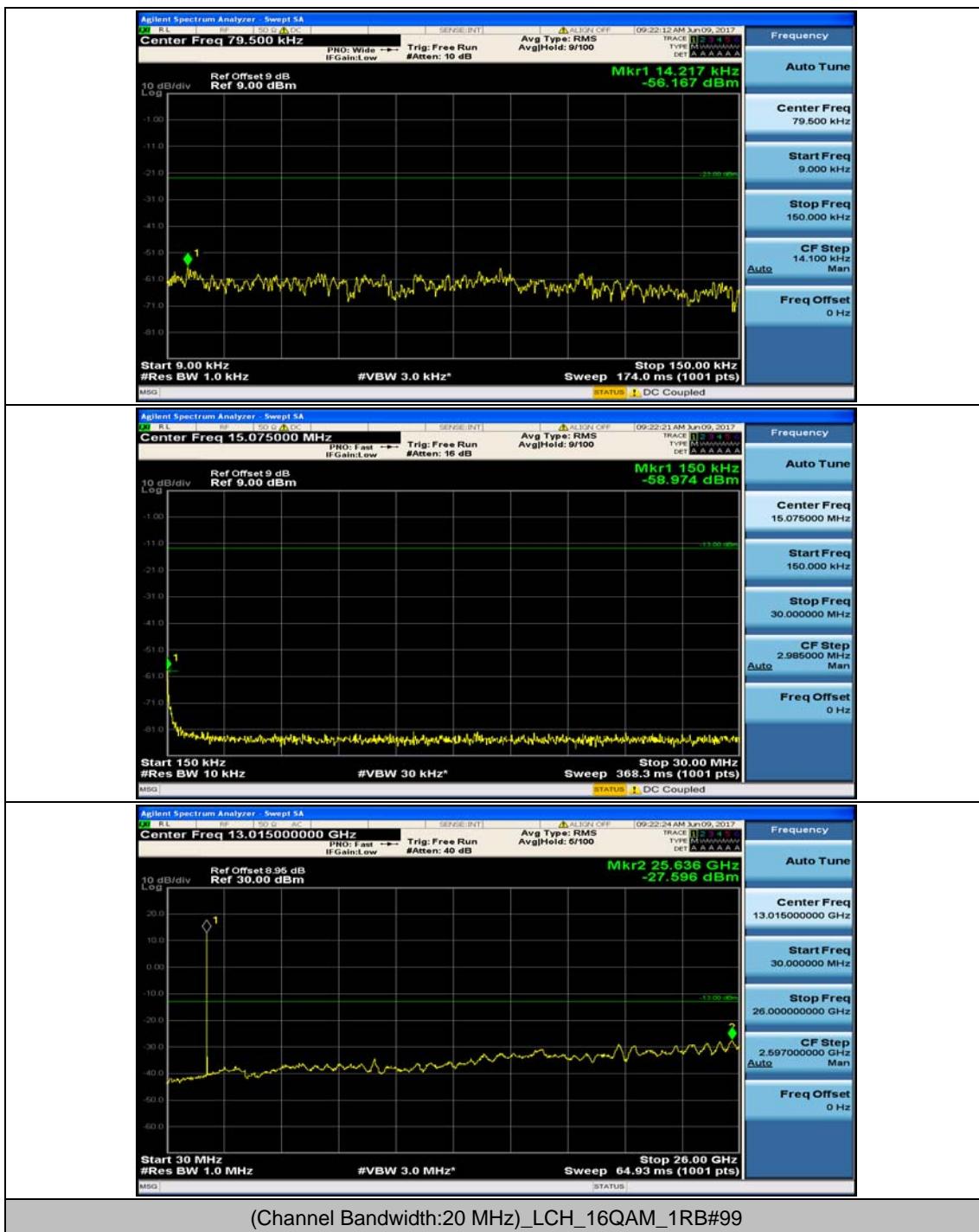


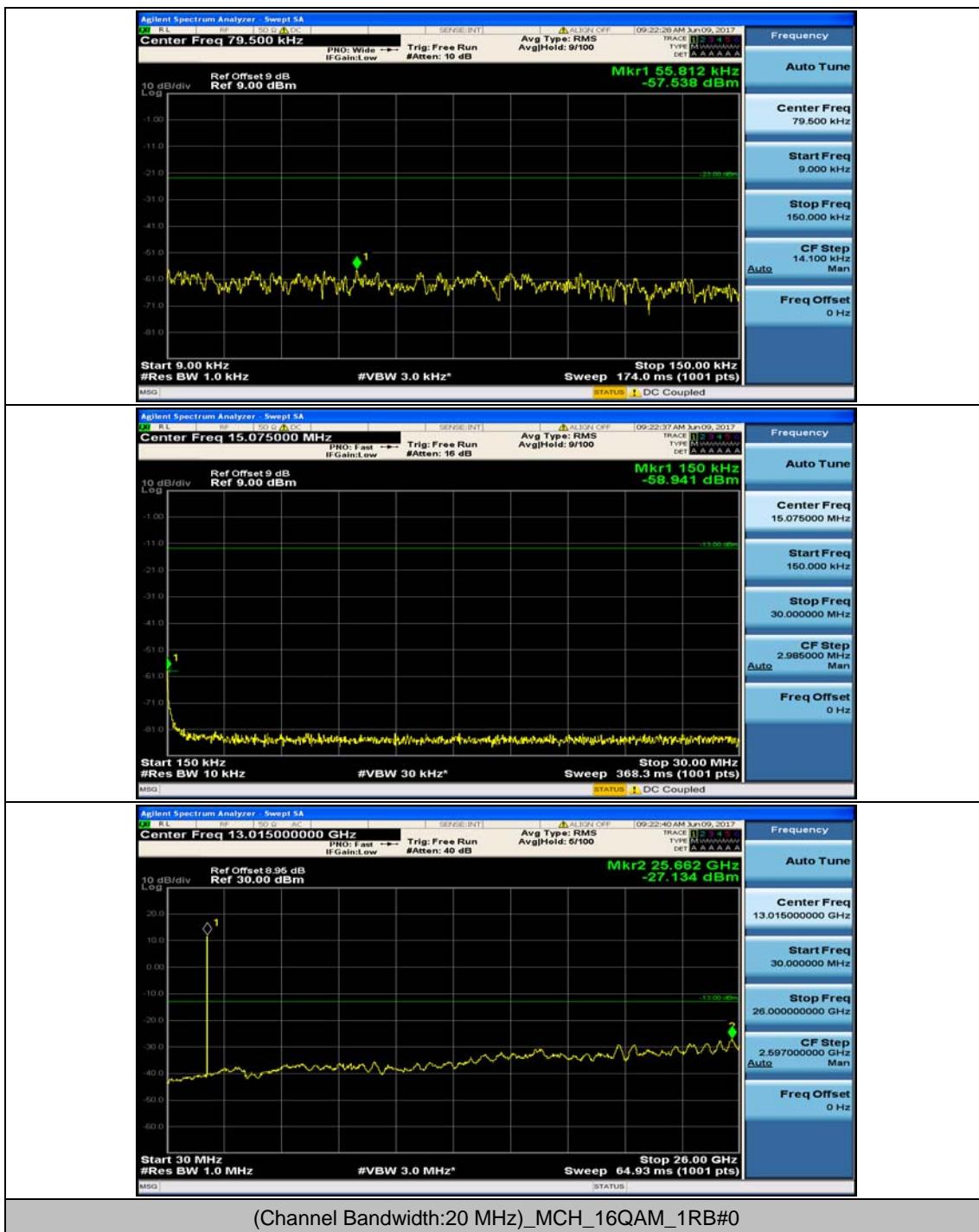


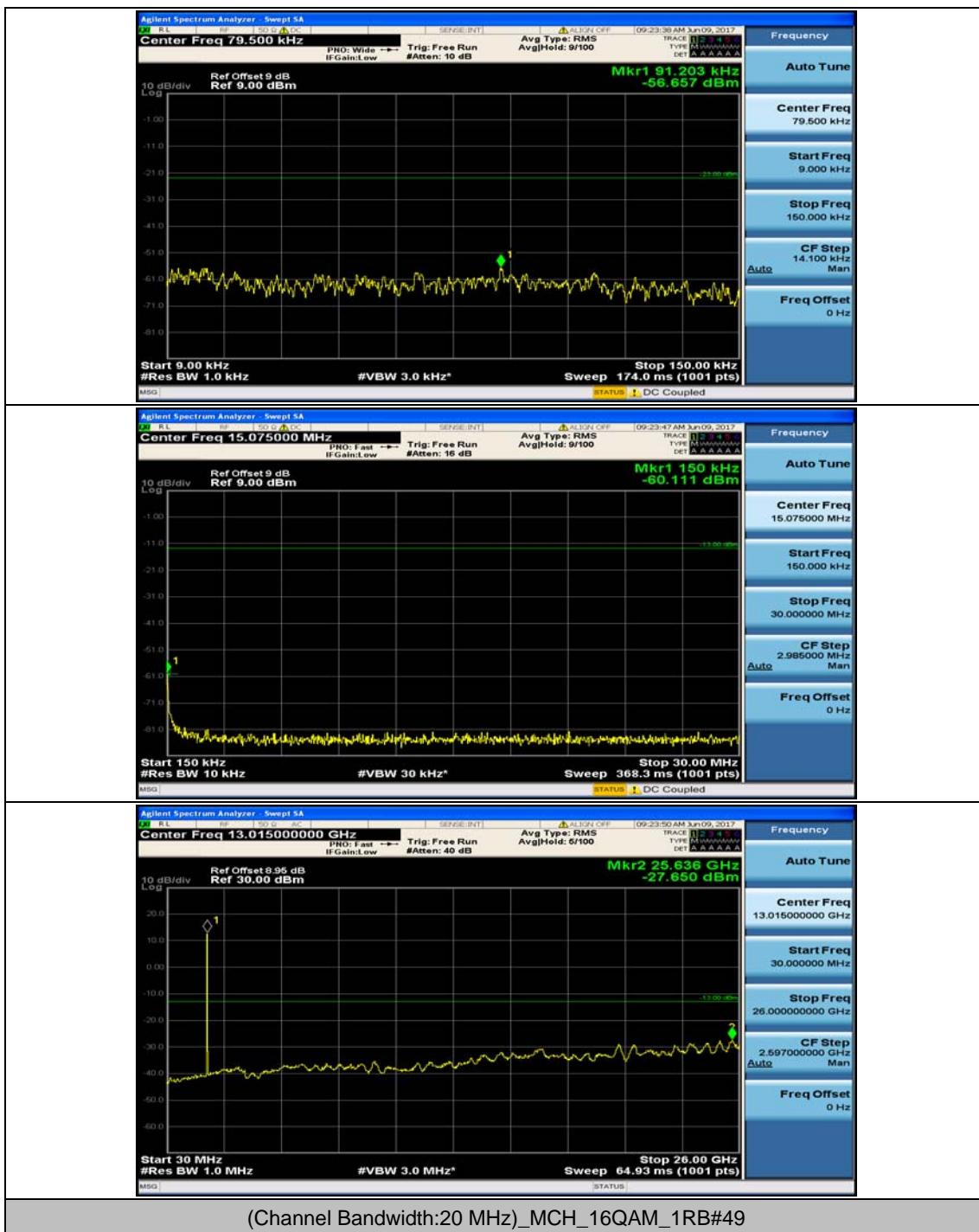




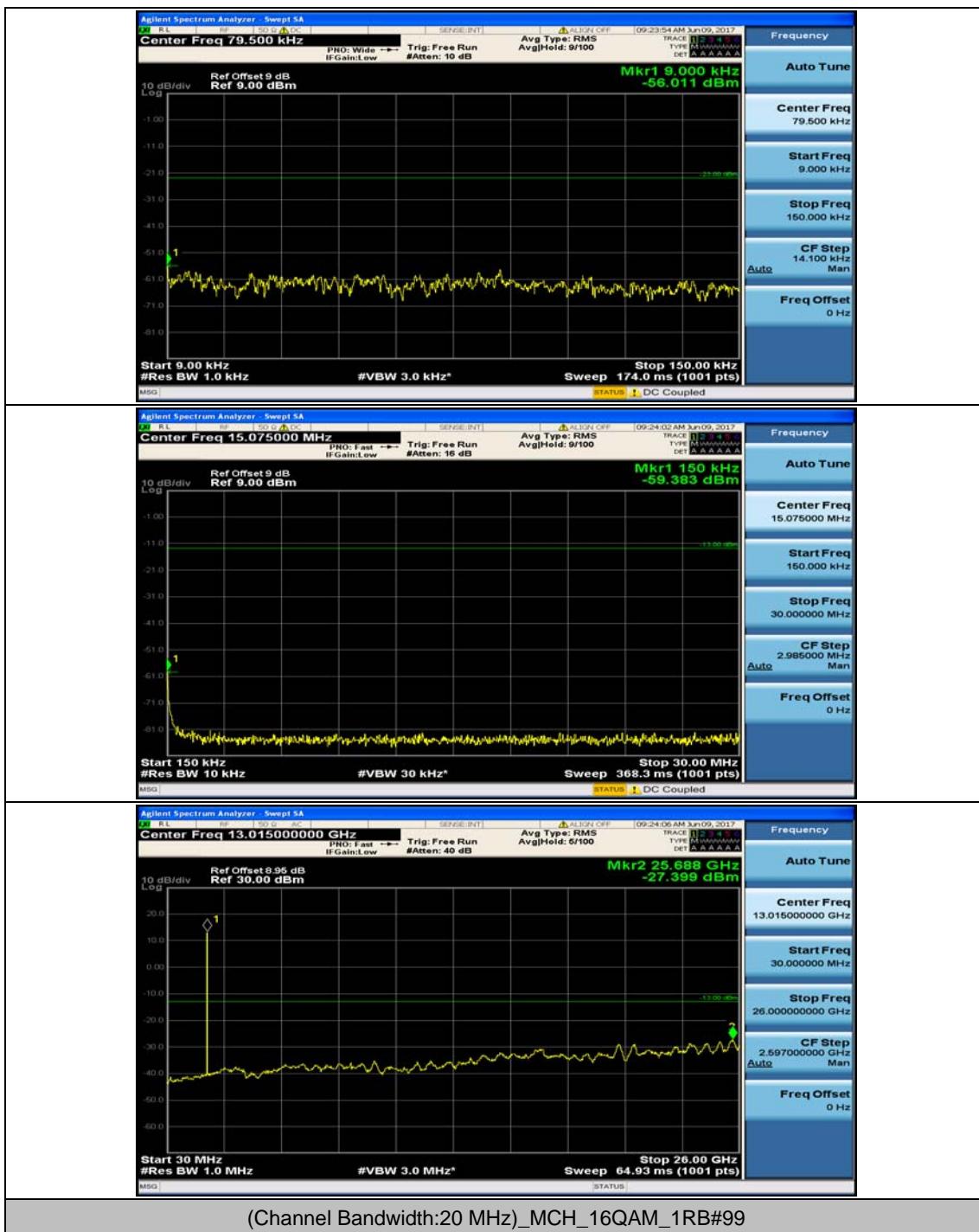
(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_1RB#49



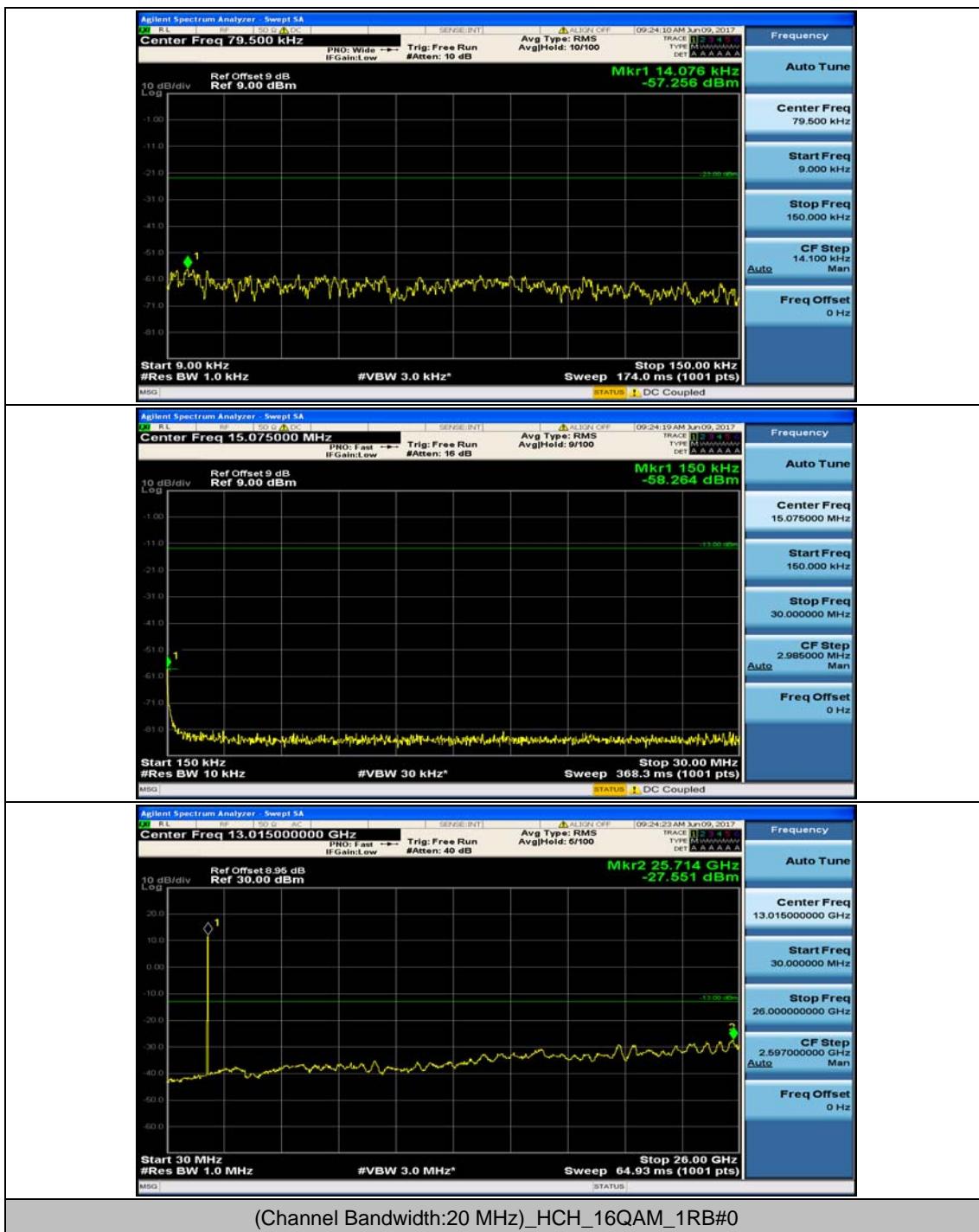




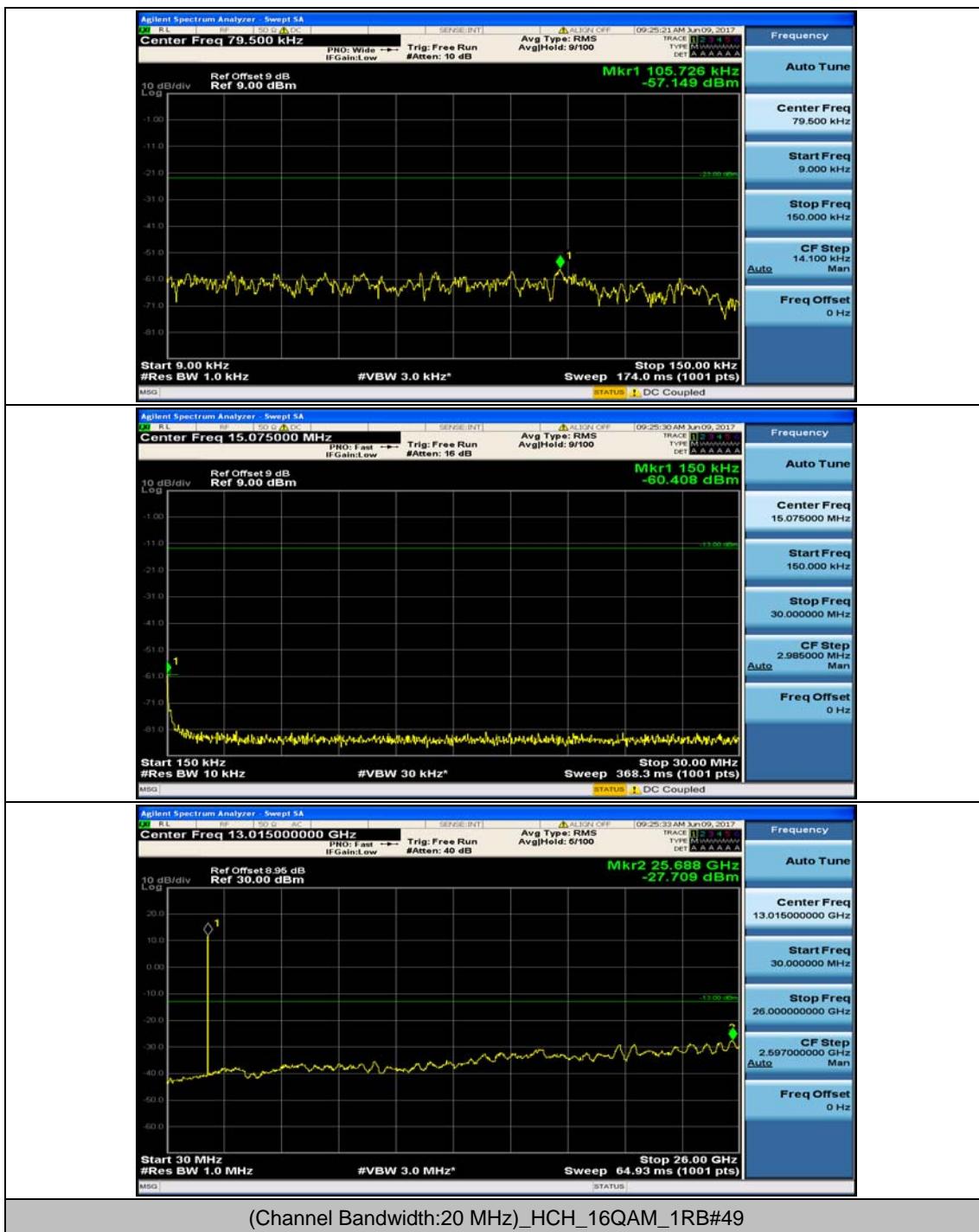
(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_1RB#49



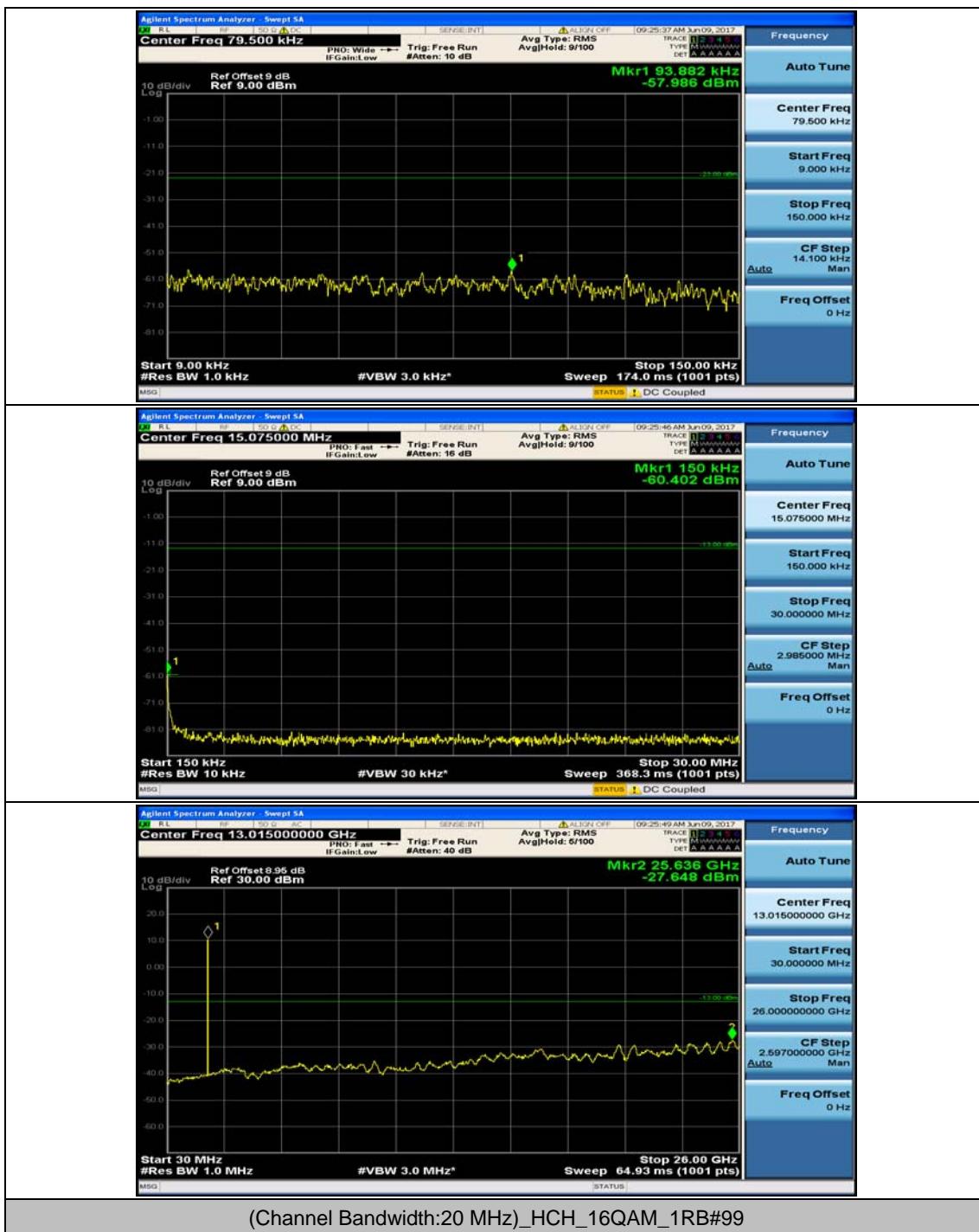
(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_1RB#99

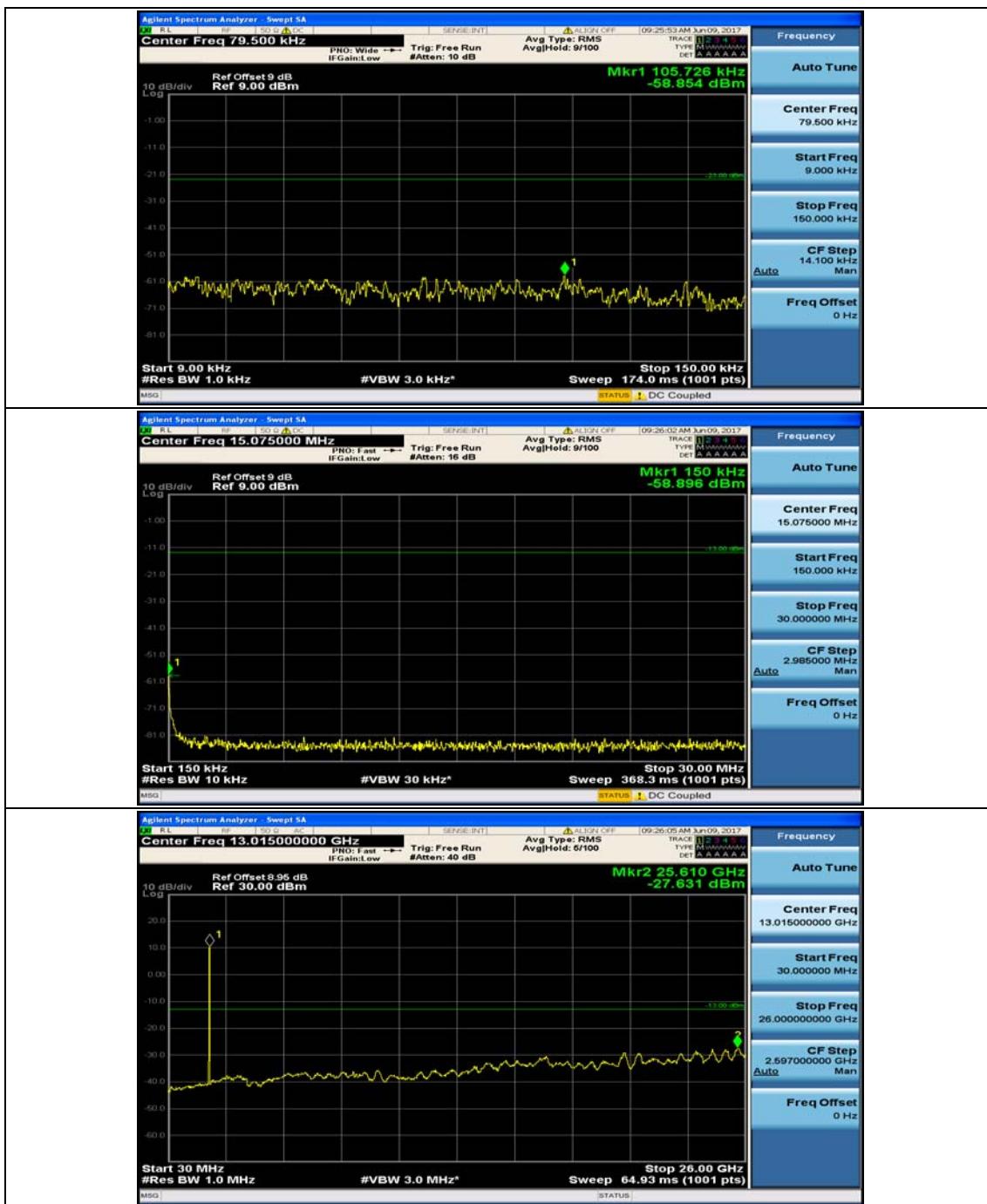


(Channel Bandwidth:20 MHz)\_HCH\_16QAM\_1RB#0



(Channel Bandwidth:20 MHz)\_HCH\_16QAM\_1RB#49





## 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	4.46	0.002410	± 2.5	PASS
		VN	TN	4.35	0.002350	± 2.5	PASS
		VH	TN	-1.82	-0.000983	± 2.5	PASS
	MCH	VL	TN	-1.14	-0.000606	± 2.5	PASS
		VN	TN	4.39	0.002335	± 2.5	PASS
		VH	TN	3.15	0.001676	± 2.5	PASS
	HCH	VL	TN	2.3	0.001205	± 2.5	PASS
		VN	TN	-0.78	-0.000409	± 2.5	PASS
		VH	TN	-1.69	-0.000885	± 2.5	PASS
16QAM	LCH	VL	TN	4.66	0.002518	± 2.5	PASS
		VN	TN	-1.42	-0.000767	± 2.5	PASS
		VH	TN	2.83	0.001529	± 2.5	PASS
	MCH	VL	TN	-0.52	-0.000277	± 2.5	PASS
		VN	TN	2.95	0.001569	± 2.5	PASS
		VH	TN	0.76	0.000404	± 2.5	PASS
	HCH	VL	TN	0.12	0.000063	± 2.5	PASS
		VN	TN	1.05	0.000550	± 2.5	PASS
		VH	TN	0.1	0.000052	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.11	0.000600	± 2.5	PASS
		VN	-20	0.61	0.000330	± 2.5	PASS
		VN	-10	-1.04	-0.000562	± 2.5	PASS
		VN	0	-0.82	-0.000443	± 2.5	PASS
		VN	10	0.61	0.000330	± 2.5	PASS
		VN	20	4.58	0.002475	± 2.5	PASS
		VN	30	1.52	0.000821	± 2.5	PASS
		VN	40	-0.75	-0.000405	± 2.5	PASS
		VN	50	2.65	0.001432	± 2.5	PASS
	MCH	VN	-30	1.76	0.000936	± 2.5	PASS
		VN	-20	0.35	0.000186	± 2.5	PASS

	HCH	VN	-10	2.82	0.001500	$\pm 2.5$	PASS
		VN	0	0.48	0.000255	$\pm 2.5$	PASS
		VN	10	-0.37	-0.000197	$\pm 2.5$	PASS
		VN	20	3.41	0.001814	$\pm 2.5$	PASS
		VN	30	2.18	0.001160	$\pm 2.5$	PASS
		VN	40	1.04	0.000553	$\pm 2.5$	PASS
		VN	50	2.1	0.001117	$\pm 2.5$	PASS
		VN	-30	3.77	0.001975	$\pm 2.5$	PASS
		VN	-20	-1.25	-0.000655	$\pm 2.5$	PASS
		VN	-10	-0.08	-0.000042	$\pm 2.5$	PASS
16QAM	LCH	VN	0	0.29	0.000152	$\pm 2.5$	PASS
		VN	10	-1.53	-0.000801	$\pm 2.5$	PASS
		VN	20	2.87	0.001503	$\pm 2.5$	PASS
		VN	30	-0.88	-0.000461	$\pm 2.5$	PASS
		VN	40	3.18	0.001666	$\pm 2.5$	PASS
		VN	50	-0.38	-0.000199	$\pm 2.5$	PASS
		VN	-30	2.96	0.001599	$\pm 2.5$	PASS
		VN	-20	3.82	0.002064	$\pm 2.5$	PASS
		VN	-10	1.77	0.000956	$\pm 2.5$	PASS
	MCH	VN	0	4.29	0.002318	$\pm 2.5$	PASS
		VN	10	4	0.002161	$\pm 2.5$	PASS
		VN	20	1.34	0.000724	$\pm 2.5$	PASS
		VN	30	3.87	0.002091	$\pm 2.5$	PASS
		VN	40	3.69	0.001994	$\pm 2.5$	PASS
		VN	50	3.43	0.001853	$\pm 2.5$	PASS
		VN	-30	1.94	0.001032	$\pm 2.5$	PASS
		VN	-20	3.86	0.002053	$\pm 2.5$	PASS
		VN	-10	1.95	0.001037	$\pm 2.5$	PASS
		VN	0	0.63	0.000335	$\pm 2.5$	PASS
	HCH	VN	10	-1.4	-0.000745	$\pm 2.5$	PASS
		VN	20	3.73	0.001984	$\pm 2.5$	PASS
		VN	30	2.21	0.001176	$\pm 2.5$	PASS
		VN	40	4.29	0.002282	$\pm 2.5$	PASS
		VN	50	-0.5	-0.000266	$\pm 2.5$	PASS
		VN	-30	3.27	0.001713	$\pm 2.5$	PASS
		VN	-20	1.2	0.000629	$\pm 2.5$	PASS

		VN	40	1.85	0.000969	$\pm 2.5$	PASS
		VN	50	0.18	0.000094	$\pm 2.5$	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	2.07	0.001118	$\pm 2.5$	PASS
		VN	TN	1.22	0.000659	$\pm 2.5$	PASS
		VH	TN	-1.36	-0.000735	$\pm 2.5$	PASS
	MCH	VL	TN	-1.67	-0.000888	$\pm 2.5$	PASS
		VN	TN	4.6	0.002447	$\pm 2.5$	PASS
		VH	TN	4.16	0.002213	$\pm 2.5$	PASS
	HCH	VL	TN	-0.58	-0.000304	$\pm 2.5$	PASS
		VN	TN	1.87	0.000980	$\pm 2.5$	PASS
		VH	TN	-0.7	-0.000367	$\pm 2.5$	PASS
16QAM	LCH	VL	TN	-0.41	-0.000221	$\pm 2.5$	PASS
		VN	TN	2.45	0.001323	$\pm 2.5$	PASS
		VH	TN	2.21	0.001194	$\pm 2.5$	PASS
	MCH	VL	TN	0.17	0.000090	$\pm 2.5$	PASS
		VN	TN	0.45	0.000239	$\pm 2.5$	PASS
		VH	TN	1.72	0.000915	$\pm 2.5$	PASS
	HCH	VL	TN	-1.13	-0.000592	$\pm 2.5$	PASS
		VN	TN	0.67	0.000351	$\pm 2.5$	PASS
		VH	TN	4.04	0.002117	$\pm 2.5$	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.77	0.002036	$\pm 2.5$	PASS
		VN	-20	3.67	0.001982	$\pm 2.5$	PASS
		VN	-10	-0.55	-0.000297	$\pm 2.5$	PASS
		VN	0	-1.37	-0.000740	$\pm 2.5$	PASS
		VN	10	1.23	0.000664	$\pm 2.5$	PASS
		VN	20	0.17	0.000092	$\pm 2.5$	PASS
		VN	30	4.96	0.002679	$\pm 2.5$	PASS
		VN	40	-0.82	-0.000443	$\pm 2.5$	PASS
		VN	50	1.42	0.000767	$\pm 2.5$	PASS
	MCH	VN	-30	0.01	0.000005	$\pm 2.5$	PASS
		VN	-20	3.95	0.002101	$\pm 2.5$	PASS
		VN	-10	1.72	0.000915	$\pm 2.5$	PASS

	HCH	VN	0	-0.23	-0.000122	$\pm 2.5$	PASS
		VN	10	-0.26	-0.000138	$\pm 2.5$	PASS
		VN	20	3.3	0.001755	$\pm 2.5$	PASS
		VN	30	-1.28	-0.000681	$\pm 2.5$	PASS
		VN	40	-0.16	-0.000085	$\pm 2.5$	PASS
		VN	50	0.92	0.000489	$\pm 2.5$	PASS
		VN	-30	1.91	0.001001	$\pm 2.5$	PASS
		VN	-20	2.14	0.001121	$\pm 2.5$	PASS
		VN	-10	-0.53	-0.000278	$\pm 2.5$	PASS
		VN	0	1.71	0.000896	$\pm 2.5$	PASS
		VN	10	-1.35	-0.000707	$\pm 2.5$	PASS
		VN	20	1.72	0.000901	$\pm 2.5$	PASS
		VN	30	2.89	0.001514	$\pm 2.5$	PASS
		VN	40	1.69	0.000886	$\pm 2.5$	PASS
		VN	50	4.41	0.002311	$\pm 2.5$	PASS
16QAM	LCH	VN	-30	0.42	0.000227	$\pm 2.5$	PASS
		VN	-20	2.62	0.001415	$\pm 2.5$	PASS
		VN	-10	2.01	0.001086	$\pm 2.5$	PASS
		VN	0	4.01	0.002166	$\pm 2.5$	PASS
		VN	10	-1.03	-0.000556	$\pm 2.5$	PASS
		VN	20	4.87	0.002630	$\pm 2.5$	PASS
		VN	30	3.62	0.001955	$\pm 2.5$	PASS
		VN	40	3.22	0.001739	$\pm 2.5$	PASS
		VN	50	2.94	0.001588	$\pm 2.5$	PASS
	MCH	VN	-30	1.51	0.000803	$\pm 2.5$	PASS
		VN	-20	3.5	0.001862	$\pm 2.5$	PASS
		VN	-10	1.91	0.001016	$\pm 2.5$	PASS
		VN	0	-0.81	-0.000431	$\pm 2.5$	PASS
		VN	10	0.01	0.000005	$\pm 2.5$	PASS
		VN	20	2.26	0.001202	$\pm 2.5$	PASS
		VN	30	3.26	0.001734	$\pm 2.5$	PASS
		VN	40	3.64	0.001936	$\pm 2.5$	PASS
		VN	50	4.21	0.002239	$\pm 2.5$	PASS
	HCH	VN	-30	2.54	0.001331	$\pm 2.5$	PASS
		VN	-20	0.14	0.000073	$\pm 2.5$	PASS
		VN	-10	0.51	0.000267	$\pm 2.5$	PASS
		VN	0	1.33	0.000697	$\pm 2.5$	PASS
		VN	10	-0.09	-0.000047	$\pm 2.5$	PASS
		VN	20	2.26	0.001184	$\pm 2.5$	PASS
		VN	30	4.65	0.002436	$\pm 2.5$	PASS
		VN	40	2.88	0.001509	$\pm 2.5$	PASS

		VN	50	-0.02	-0.000010	$\pm 2.5$	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	0.02	0.000011	$\pm 2.5$	PASS
		VN	TN	-1.03	-0.000556	$\pm 2.5$	PASS
		VH	TN	-0.02	-0.000011	$\pm 2.5$	PASS
	MCH	VL	TN	-1.43	-0.000761	$\pm 2.5$	PASS
		VN	TN	1.93	0.001027	$\pm 2.5$	PASS
		VH	TN	-0.22	-0.000117	$\pm 2.5$	PASS
	HCH	VL	TN	4.88	0.002558	$\pm 2.5$	PASS
		VN	TN	0.24	0.000126	$\pm 2.5$	PASS
		VH	TN	-1.52	-0.000797	$\pm 2.5$	PASS
16QAM	LCH	VL	TN	3.11	0.001679	$\pm 2.5$	PASS
		VN	TN	3.3	0.001781	$\pm 2.5$	PASS
		VH	TN	0.75	0.000405	$\pm 2.5$	PASS
	MCH	VL	TN	-1.2	-0.000638	$\pm 2.5$	PASS
		VN	TN	3.97	0.002112	$\pm 2.5$	PASS
		VH	TN	0.02	0.000011	$\pm 2.5$	PASS
	HCH	VL	TN	0.66	0.000346	$\pm 2.5$	PASS
		VN	TN	-1.15	-0.000603	$\pm 2.5$	PASS
		VH	TN	-1.51	-0.000792	$\pm 2.5$	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.81	-0.000977	$\pm 2.5$	PASS
		VN	-20	3.88	0.002094	$\pm 2.5$	PASS
		VN	-10	3.51	0.001895	$\pm 2.5$	PASS
		VN	0	4.75	0.002564	$\pm 2.5$	PASS
		VN	10	4.97	0.002683	$\pm 2.5$	PASS
		VN	20	1.01	0.000545	$\pm 2.5$	PASS
		VN	30	1.81	0.000977	$\pm 2.5$	PASS
		VN	40	-1.87	-0.001009	$\pm 2.5$	PASS
		VN	50	4.9	0.002645	$\pm 2.5$	PASS
	MCH	VN	-30	-1.82	-0.000968	$\pm 2.5$	PASS
		VN	-20	1.58	0.000840	$\pm 2.5$	PASS
		VN	-10	-0.37	-0.000197	$\pm 2.5$	PASS
		VN	0	2.46	0.001309	$\pm 2.5$	PASS

		VN	10	3.2	0.001702	$\pm 2.5$	PASS
		VN	20	1.12	0.000596	$\pm 2.5$	PASS
		VN	30	-1.89	-0.001005	$\pm 2.5$	PASS
		VN	40	2.35	0.001250	$\pm 2.5$	PASS
		VN	50	2.03	0.001080	$\pm 2.5$	PASS
		VN	-30	0.98	0.000514	$\pm 2.5$	PASS
		VN	-20	-0.75	-0.000393	$\pm 2.5$	PASS
		VN	-10	-1.89	-0.000991	$\pm 2.5$	PASS
		VN	0	-1.57	-0.000823	$\pm 2.5$	PASS
		VN	10	2.22	0.001164	$\pm 2.5$	PASS
		VN	20	-0.91	-0.000477	$\pm 2.5$	PASS
		VN	30	3.3	0.001730	$\pm 2.5$	PASS
		VN	40	-0.13	-0.000068	$\pm 2.5$	PASS
		VN	50	-1.08	-0.000566	$\pm 2.5$	PASS
		VN	-30	1.25	0.000675	$\pm 2.5$	PASS
		VN	-20	4.46	0.002408	$\pm 2.5$	PASS
		VN	-10	-0.92	-0.000497	$\pm 2.5$	PASS
		VN	0	3	0.001619	$\pm 2.5$	PASS
		VN	10	3.32	0.001792	$\pm 2.5$	PASS
		VN	20	4.4	0.002375	$\pm 2.5$	PASS
		VN	30	4.92	0.002656	$\pm 2.5$	PASS
		VN	40	1.9	0.001026	$\pm 2.5$	PASS
		VN	50	-0.51	-0.000275	$\pm 2.5$	PASS
		VN	-30	0.49	0.000261	$\pm 2.5$	PASS
		VN	-20	1.1	0.000585	$\pm 2.5$	PASS
		VN	-10	-1.39	-0.000739	$\pm 2.5$	PASS
		VN	0	-0.63	-0.000335	$\pm 2.5$	PASS
		VN	10	2.35	0.001250	$\pm 2.5$	PASS
		VN	20	-0.38	-0.000202	$\pm 2.5$	PASS
		VN	30	-1.49	-0.000793	$\pm 2.5$	PASS
		VN	40	-1.1	-0.000585	$\pm 2.5$	PASS
		VN	50	-0.19	-0.000101	$\pm 2.5$	PASS
		VN	-30	2.69	0.001410	$\pm 2.5$	PASS
		VN	-20	0.49	0.000257	$\pm 2.5$	PASS
		VN	-10	1.39	0.000729	$\pm 2.5$	PASS
		VN	0	4.37	0.002291	$\pm 2.5$	PASS
		VN	10	4	0.002097	$\pm 2.5$	PASS
		VN	20	1.86	0.000975	$\pm 2.5$	PASS
		VN	30	4	0.002097	$\pm 2.5$	PASS
		VN	40	0.34	0.000178	$\pm 2.5$	PASS
		VN	50	2.55	0.001337	$\pm 2.5$	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	4.5	0.002426	± 2.5	PASS
		VN	TN	2.49	0.001342	± 2.5	PASS
		VH	TN	1.57	0.000846	± 2.5	PASS
	MCH	VL	TN	4.57	0.002431	± 2.5	PASS
		VN	TN	1.38	0.000734	± 2.5	PASS
		VH	TN	2.89	0.001537	± 2.5	PASS
	HCH	VL	TN	1	0.000525	± 2.5	PASS
		VN	TN	1.6	0.000840	± 2.5	PASS
		VH	TN	3.88	0.002037	± 2.5	PASS
16QAM	LCH	VL	TN	2.89	0.001558	± 2.5	PASS
		VN	TN	1.02	0.000550	± 2.5	PASS
		VH	TN	0.22	0.000119	± 2.5	PASS
	MCH	VL	TN	1.46	0.000777	± 2.5	PASS
		VN	TN	-0.66	-0.000351	± 2.5	PASS
		VH	TN	-0.8	-0.000426	± 2.5	PASS
	HCH	VL	TN	4.46	0.002341	± 2.5	PASS
		VN	TN	2.68	0.001407	± 2.5	PASS
		VH	TN	-1.66	-0.000871	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	2.15	0.001159	± 2.5	PASS
		VN	-20	0.99	0.000534	± 2.5	PASS
		VN	-10	-0.08	-0.000043	± 2.5	PASS
		VN	0	3.95	0.002129	± 2.5	PASS
		VN	10	4.44	0.002394	± 2.5	PASS
		VN	20	1.14	0.000615	± 2.5	PASS
		VN	30	0.64	0.000345	± 2.5	PASS
		VN	40	0.56	0.000302	± 2.5	PASS
		VN	50	2.48	0.001337	± 2.5	PASS
	MCH	VN	-30	-0.63	-0.000335	± 2.5	PASS
		VN	-20	3.78	0.002011	± 2.5	PASS
		VN	-10	4.14	0.002202	± 2.5	PASS
		VN	0	3.31	0.001761	± 2.5	PASS
		VN	10	4.79	0.002548	± 2.5	PASS
		VN	20	1.76	0.000936	± 2.5	PASS

		VN	30	4.57	0.002431	$\pm 2.5$	PASS
		VN	40	1.47	0.000782	$\pm 2.5$	PASS
		VN	50	-0.36	-0.000191	$\pm 2.5$	PASS
	HCH	VN	-30	2.15	0.001129	$\pm 2.5$	PASS
		VN	-20	0.43	0.000226	$\pm 2.5$	PASS
		VN	-10	0.12	0.000063	$\pm 2.5$	PASS
		VN	0	1.39	0.000730	$\pm 2.5$	PASS
		VN	10	3.71	0.001948	$\pm 2.5$	PASS
		VN	20	1.56	0.000819	$\pm 2.5$	PASS
		VN	30	3.96	0.002079	$\pm 2.5$	PASS
	LCH	VN	40	-1.22	-0.000640	$\pm 2.5$	PASS
		VN	50	2.16	0.001134	$\pm 2.5$	PASS
	MCH	VN	-30	-0.42	-0.000226	$\pm 2.5$	PASS
		VN	-20	4.4	0.002372	$\pm 2.5$	PASS
		VN	-10	-0.2	-0.000108	$\pm 2.5$	PASS
		VN	0	3.07	0.001655	$\pm 2.5$	PASS
		VN	10	0.17	0.000092	$\pm 2.5$	PASS
		VN	20	1.51	0.000814	$\pm 2.5$	PASS
		VN	30	-1.77	-0.000954	$\pm 2.5$	PASS
		VN	40	1.03	0.000555	$\pm 2.5$	PASS
		VN	50	0.42	0.000226	$\pm 2.5$	PASS
	HCH	VN	-30	-0.68	-0.000362	$\pm 2.5$	PASS
		VN	-20	3.22	0.001713	$\pm 2.5$	PASS
		VN	-10	-0.39	-0.000207	$\pm 2.5$	PASS
		VN	0	2.03	0.001080	$\pm 2.5$	PASS
		VN	10	2.15	0.001144	$\pm 2.5$	PASS
		VN	20	3.58	0.001904	$\pm 2.5$	PASS
		VN	30	2.59	0.001378	$\pm 2.5$	PASS
		VN	40	-0.32	-0.000170	$\pm 2.5$	PASS
		VN	50	-0.26	-0.000138	$\pm 2.5$	PASS
		VN	-30	-0.08	-0.000042	$\pm 2.5$	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	3.97	0.002137	± 2.5	PASS
		VN	TN	-0.51	-0.000275	± 2.5	PASS
		VH	TN	4.06	0.002186	± 2.5	PASS
	MCH	VL	TN	-0.23	-0.000122	± 2.5	PASS
		VN	TN	2.55	0.001356	± 2.5	PASS
		VH	TN	-0.26	-0.000138	± 2.5	PASS
	HCH	VL	TN	-0.79	-0.000415	± 2.5	PASS
		VN	TN	3.81	0.002003	± 2.5	PASS
		VH	TN	1.71	0.000899	± 2.5	PASS
16QAM	LCH	VL	TN	4.67	0.002514	± 2.5	PASS
		VN	TN	2.66	0.001432	± 2.5	PASS
		VH	TN	3.11	0.001674	± 2.5	PASS
	MCH	VL	TN	-0.12	-0.000064	± 2.5	PASS
		VN	TN	4.76	0.002532	± 2.5	PASS
		VH	TN	4.55	0.002420	± 2.5	PASS
	HCH	VL	TN	-0.66	-0.000347	± 2.5	PASS
		VN	TN	1.74	0.000915	± 2.5	PASS
		VH	TN	0.31	0.000163	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.72	0.002541	± 2.5	PASS
		VN	-20	2.72	0.001464	± 2.5	PASS
		VN	-10	4.02	0.002164	± 2.5	PASS
		VN	0	-1.34	-0.000721	± 2.5	PASS
		VN	10	-0.14	-0.000075	± 2.5	PASS
		VN	20	-0.78	-0.000420	± 2.5	PASS
		VN	30	-0.85	-0.000458	± 2.5	PASS
		VN	40	4.27	0.002299	± 2.5	PASS
		VN	50	0.53	0.000285	± 2.5	PASS
	MCH	VN	-30	2.83	0.001505	± 2.5	PASS
		VN	-20	2.82	0.001500	± 2.5	PASS
		VN	-10	4.29	0.002282	± 2.5	PASS
		VN	0	-0.57	-0.000303	± 2.5	PASS
		VN	10	4.96	0.002638	± 2.5	PASS
		VN	20	1.92	0.001021	± 2.5	PASS

		VN	30	2.11	0.001122	$\pm 2.5$	PASS
		VN	40	3.31	0.001761	$\pm 2.5$	PASS
		VN	50	4.55	0.002420	$\pm 2.5$	PASS
	HCH	VN	-30	-1.93	-0.001014	$\pm 2.5$	PASS
		VN	-20	-1.5	-0.000788	$\pm 2.5$	PASS
		VN	-10	-1.69	-0.000888	$\pm 2.5$	PASS
		VN	0	0.34	0.000179	$\pm 2.5$	PASS
		VN	10	-1.46	-0.000767	$\pm 2.5$	PASS
		VN	20	3.24	0.001703	$\pm 2.5$	PASS
		VN	30	-1.34	-0.000704	$\pm 2.5$	PASS
16QAM	LCH	VN	40	-1.39	-0.000731	$\pm 2.5$	PASS
		VN	50	3.75	0.001971	$\pm 2.5$	PASS
	MCH	VN	-30	3.41	0.001836	$\pm 2.5$	PASS
		VN	-20	0.86	0.000463	$\pm 2.5$	PASS
		VN	-10	0.25	0.000135	$\pm 2.5$	PASS
		VN	0	0.4	0.000215	$\pm 2.5$	PASS
		VN	10	1.43	0.000770	$\pm 2.5$	PASS
		VN	20	2.33	0.001254	$\pm 2.5$	PASS
		VN	30	0.17	0.000092	$\pm 2.5$	PASS
		VN	40	2.87	0.001545	$\pm 2.5$	PASS
		VN	50	0.78	0.000420	$\pm 2.5$	PASS
	HCH	VN	-30	-1.38	-0.000734	$\pm 2.5$	PASS
		VN	-20	-0.59	-0.000314	$\pm 2.5$	PASS
		VN	-10	0.28	0.000149	$\pm 2.5$	PASS
		VN	0	3.36	0.001787	$\pm 2.5$	PASS
		VN	10	3.54	0.001883	$\pm 2.5$	PASS
		VN	20	2.45	0.001303	$\pm 2.5$	PASS
		VN	30	2.31	0.001229	$\pm 2.5$	PASS
		VN	40	1.58	0.000840	$\pm 2.5$	PASS
		VN	50	-1.9	-0.001011	$\pm 2.5$	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	1.93	0.001038	± 2.5	PASS
		VN	TN	-0.53	-0.000285	± 2.5	PASS
		VH	TN	2.9	0.001559	± 2.5	PASS
	MCH	VL	TN	-1.72	-0.000915	± 2.5	PASS
		VN	TN	0.03	0.000016	± 2.5	PASS
		VH	TN	1.47	0.000782	± 2.5	PASS
	HCH	VL	TN	-1.24	-0.000653	± 2.5	PASS
		VN	TN	3.13	0.001647	± 2.5	PASS
		VH	TN	3.54	0.001863	± 2.5	PASS
16QAM	LCH	VL	TN	3.74	0.002011	± 2.5	PASS
		VN	TN	2.07	0.001113	± 2.5	PASS
		VH	TN	3.61	0.001941	± 2.5	PASS
	MCH	VL	TN	3.18	0.001691	± 2.5	PASS
		VN	TN	-1.73	-0.000920	± 2.5	PASS
		VH	TN	1.87	0.000995	± 2.5	PASS
	HCH	VL	TN	3.13	0.001647	± 2.5	PASS
		VN	TN	-0.89	-0.000468	± 2.5	PASS
		VH	TN	-1.51	-0.000795	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.1	0.000591	± 2.5	PASS
		VN	-20	4.39	0.002360	± 2.5	PASS
		VN	-10	4.92	0.002645	± 2.5	PASS
		VN	0	0.45	0.000242	± 2.5	PASS
		VN	10	-0.38	-0.000204	± 2.5	PASS
		VN	20	2.67	0.001435	± 2.5	PASS
		VN	30	4.53	0.002435	± 2.5	PASS
		VN	40	3.54	0.001903	± 2.5	PASS
		VN	50	-0.71	-0.000382	± 2.5	PASS
	MCH	VN	-30	3.38	0.001798	± 2.5	PASS
		VN	-20	-0.73	-0.000388	± 2.5	PASS
		VN	-10	-1.02	-0.000543	± 2.5	PASS
		VN	0	-1.76	-0.000936	± 2.5	PASS
		VN	10	0.84	0.000447	± 2.5	PASS
		VN	20	4.9	0.002606	± 2.5	PASS

		VN	30	4.96	0.002638	$\pm 2.5$	PASS
		VN	40	2.36	0.001255	$\pm 2.5$	PASS
		VN	50	3.93	0.002090	$\pm 2.5$	PASS
	HCH	VN	-30	3.74	0.001968	$\pm 2.5$	PASS
		VN	-20	3	0.001579	$\pm 2.5$	PASS
		VN	-10	2.39	0.001258	$\pm 2.5$	PASS
		VN	0	-1.71	-0.000900	$\pm 2.5$	PASS
		VN	10	1.98	0.001042	$\pm 2.5$	PASS
		VN	20	-0.21	-0.000111	$\pm 2.5$	PASS
		VN	30	-1.49	-0.000784	$\pm 2.5$	PASS
16QAM	LCH	VN	40	-1.62	-0.000853	$\pm 2.5$	PASS
		VN	50	2.04	0.001074	$\pm 2.5$	PASS
	MCH	VN	-30	3.93	0.002113	$\pm 2.5$	PASS
		VN	-20	4.97	0.002672	$\pm 2.5$	PASS
		VN	-10	1.99	0.001070	$\pm 2.5$	PASS
		VN	0	-0.59	-0.000317	$\pm 2.5$	PASS
		VN	10	0.04	0.000022	$\pm 2.5$	PASS
		VN	20	2.07	0.001113	$\pm 2.5$	PASS
		VN	30	0.79	0.000425	$\pm 2.5$	PASS
		VN	40	-0.22	-0.000118	$\pm 2.5$	PASS
		VN	50	1.84	0.000989	$\pm 2.5$	PASS
	HCH	VN	-30	1.38	0.000734	$\pm 2.5$	PASS
		VN	-20	4.55	0.002420	$\pm 2.5$	PASS
		VN	-10	4.12	0.002191	$\pm 2.5$	PASS
		VN	0	2.45	0.001303	$\pm 2.5$	PASS
		VN	10	3.61	0.001920	$\pm 2.5$	PASS
		VN	20	3.49	0.001856	$\pm 2.5$	PASS
		VN	30	3.27	0.001739	$\pm 2.5$	PASS
		VN	40	0.07	0.000037	$\pm 2.5$	PASS
		VN	50	4.29	0.002282	$\pm 2.5$	PASS
		VN	-30	0.89	0.000468	$\pm 2.5$	PASS