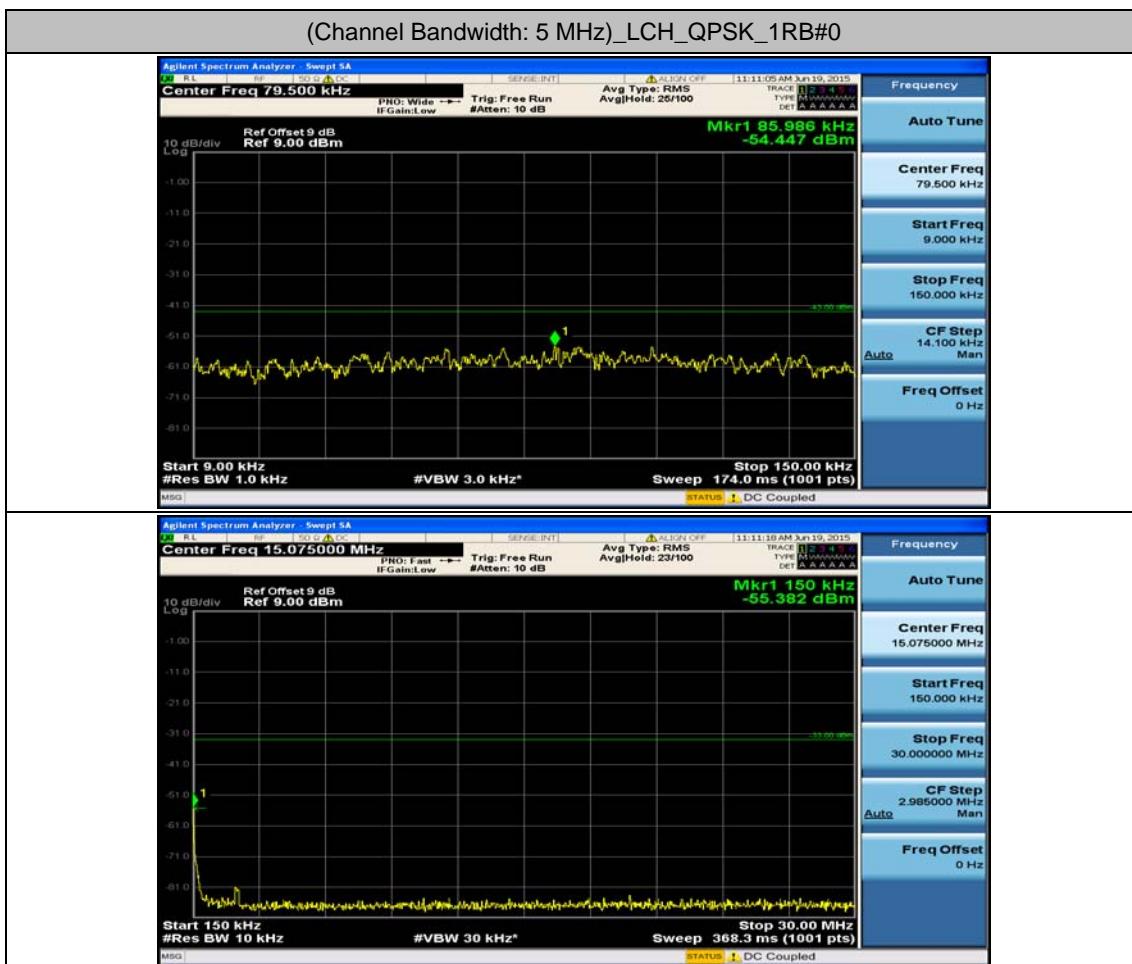
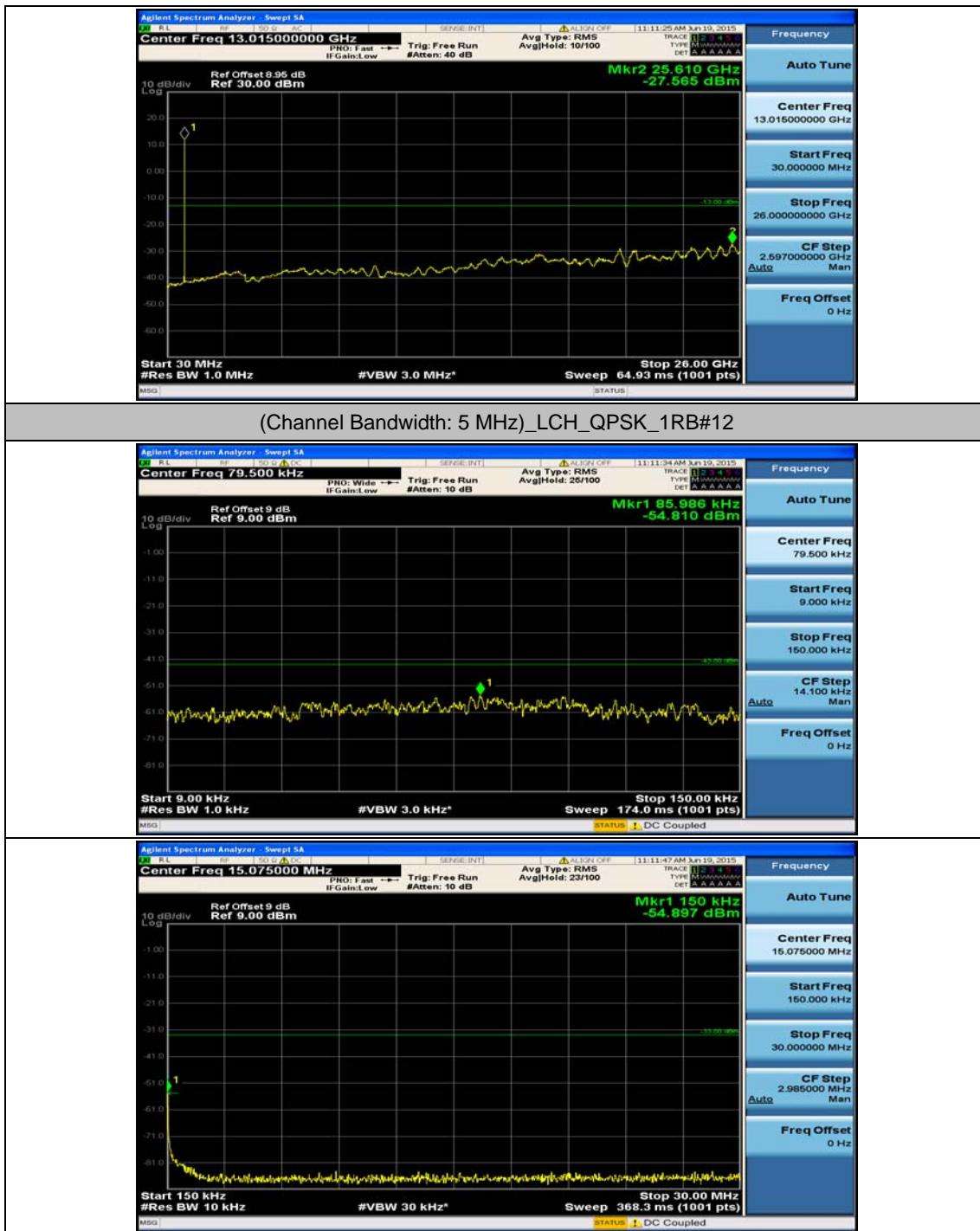
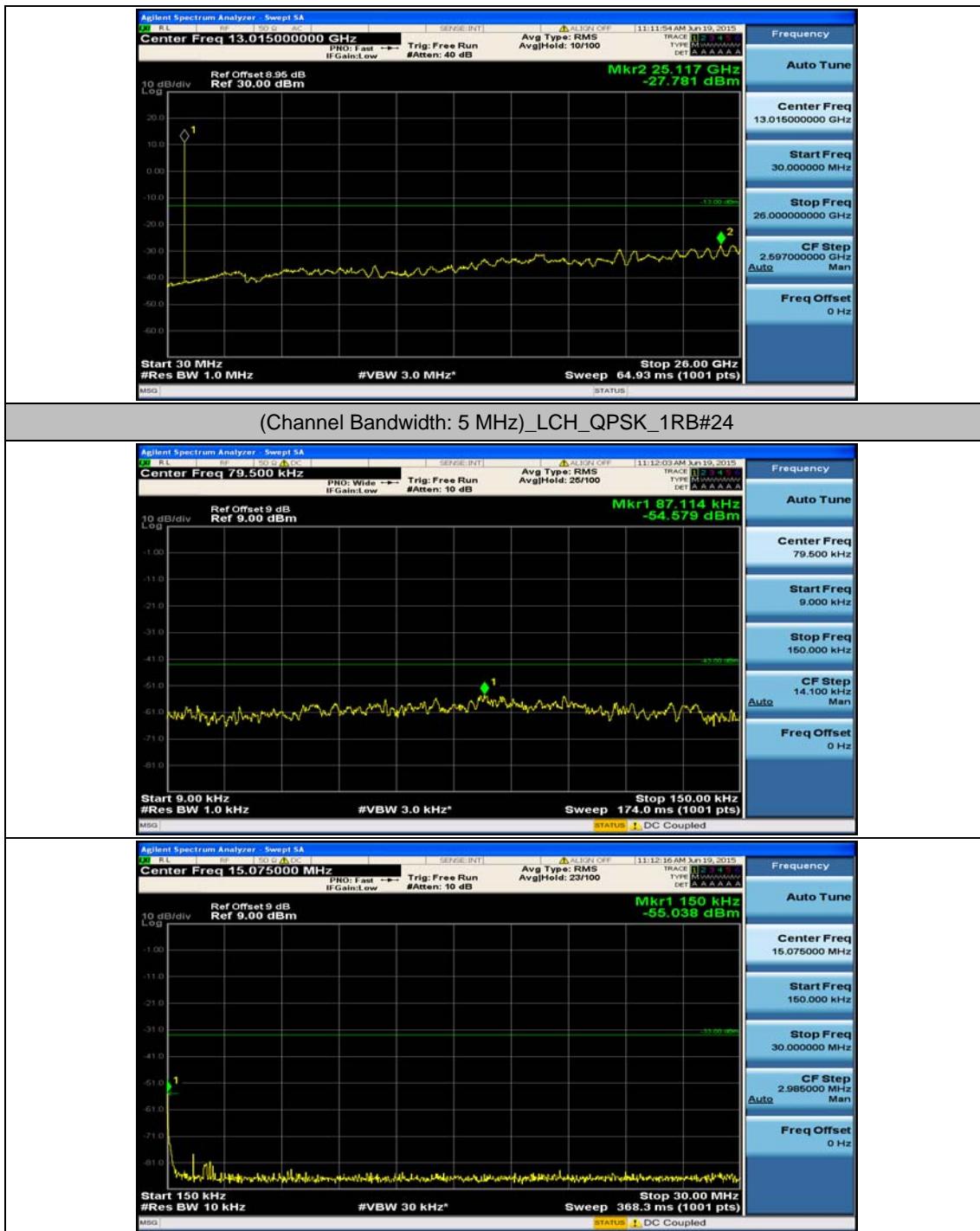


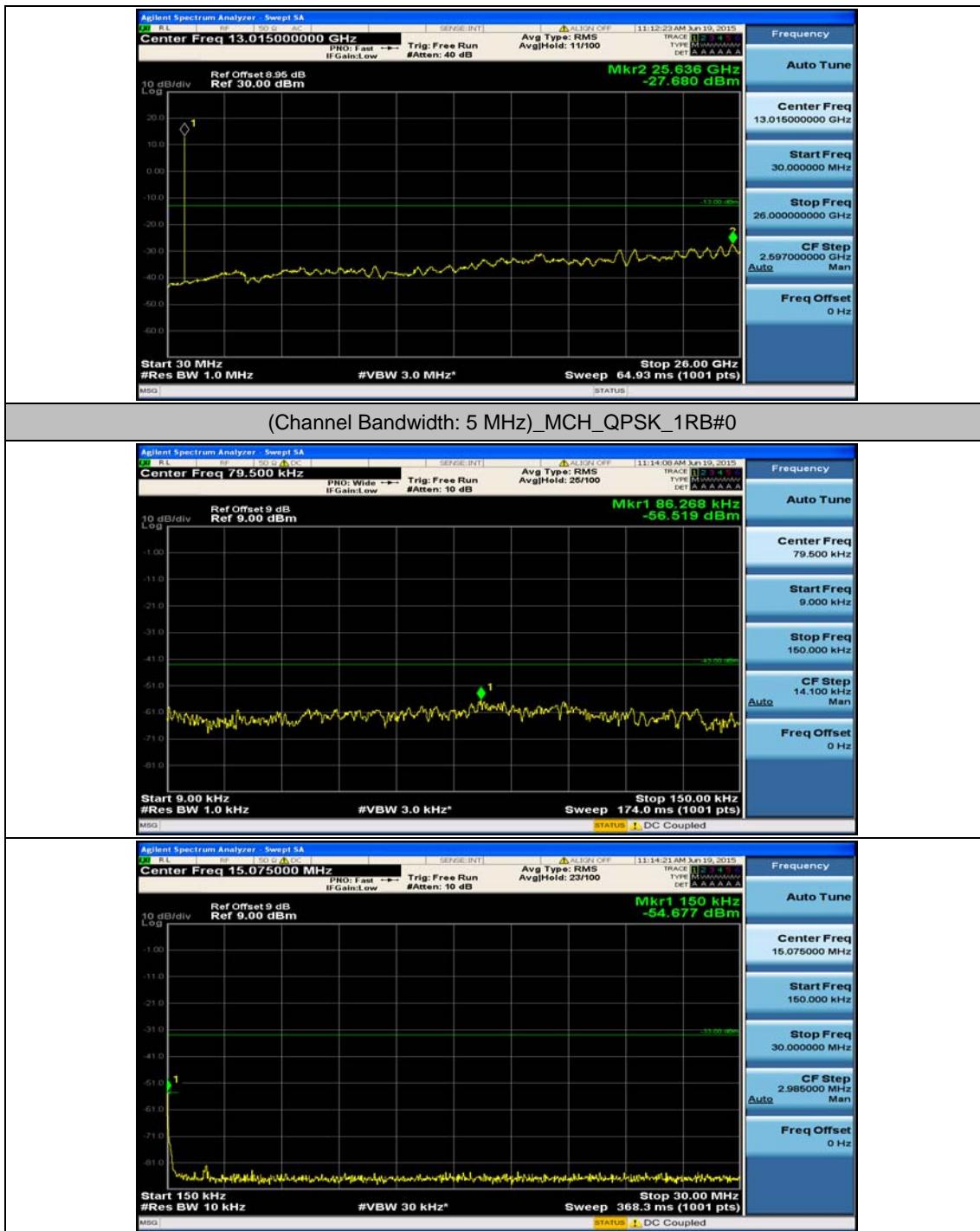


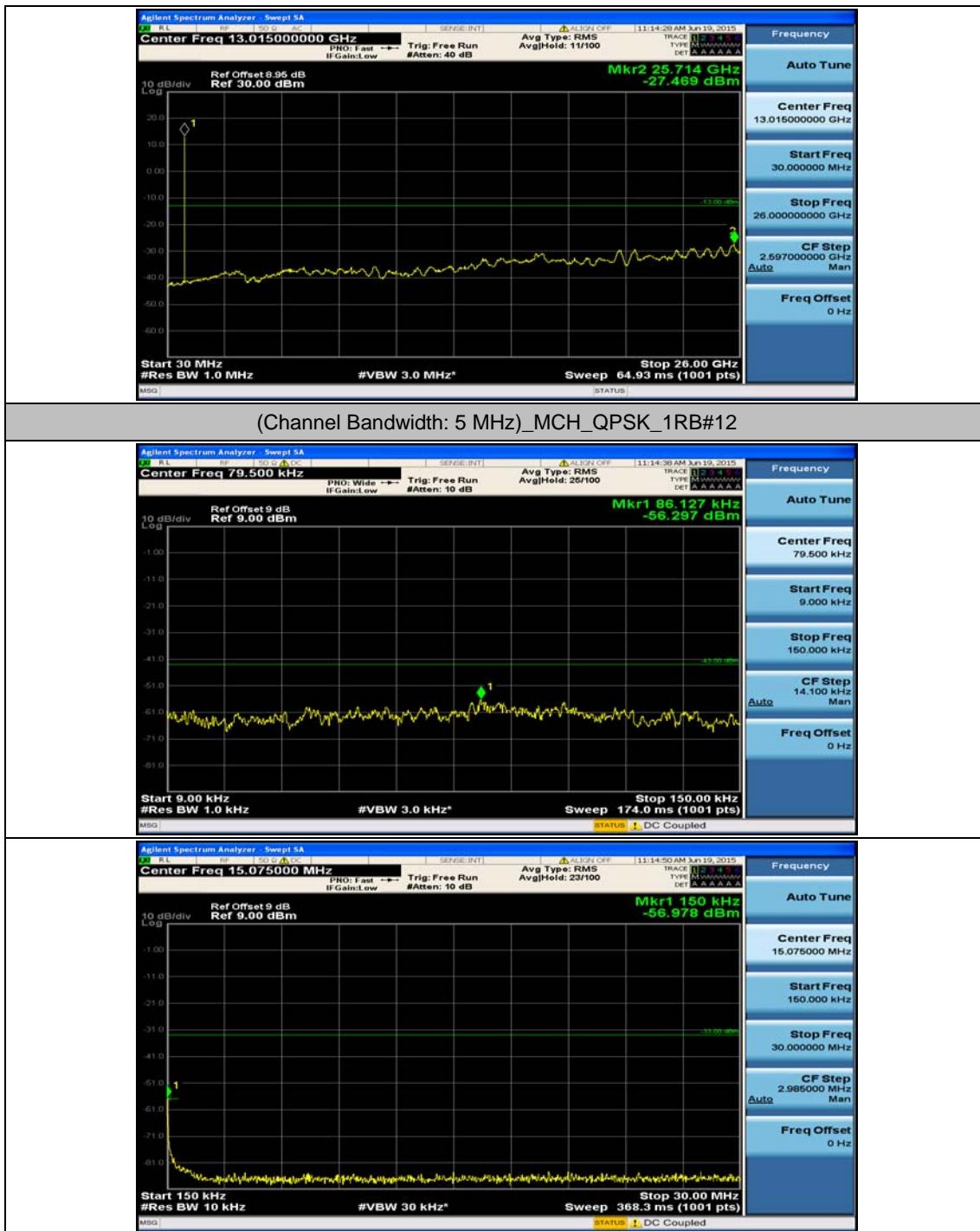
## Channel Bandwidth: 5 MHz

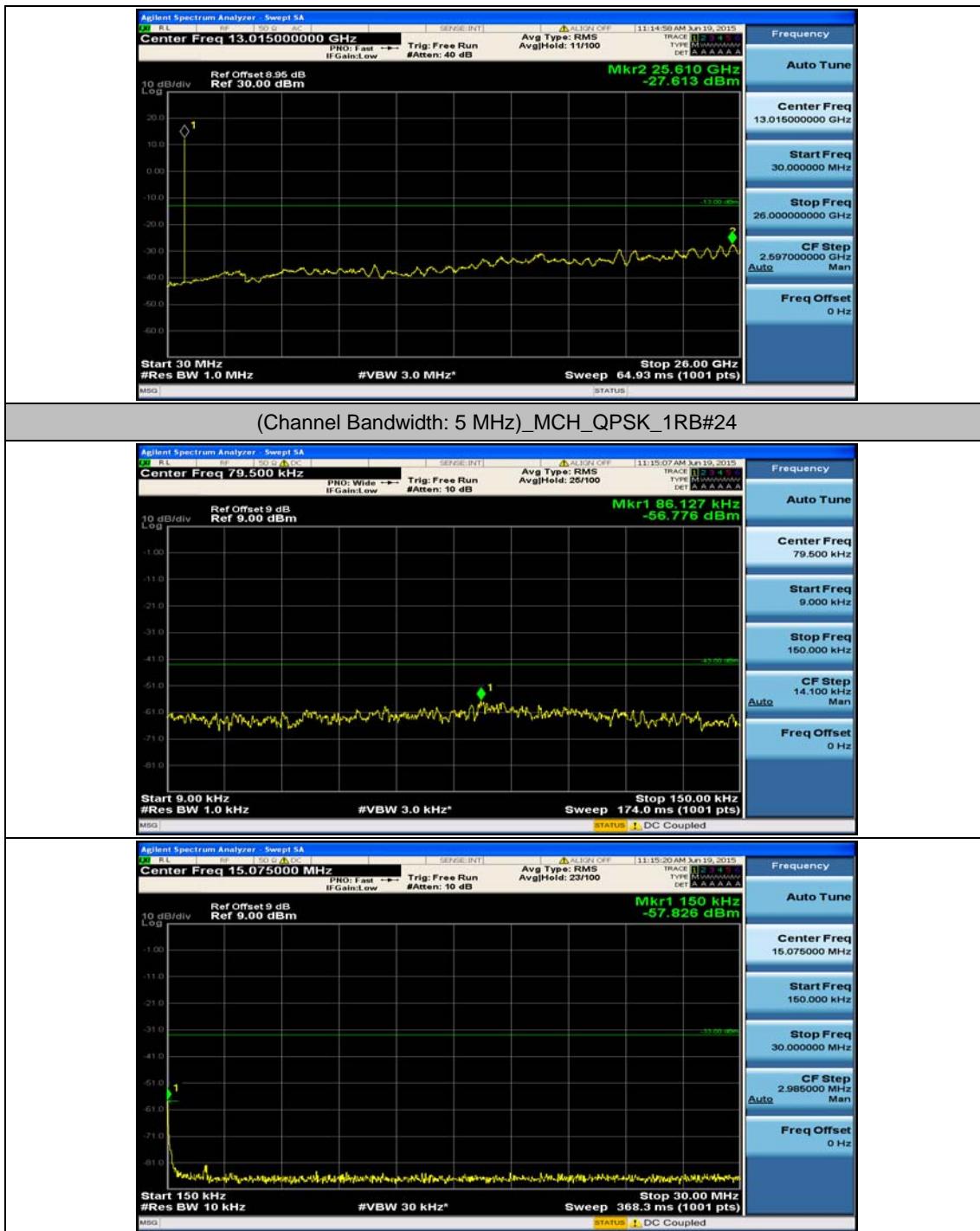


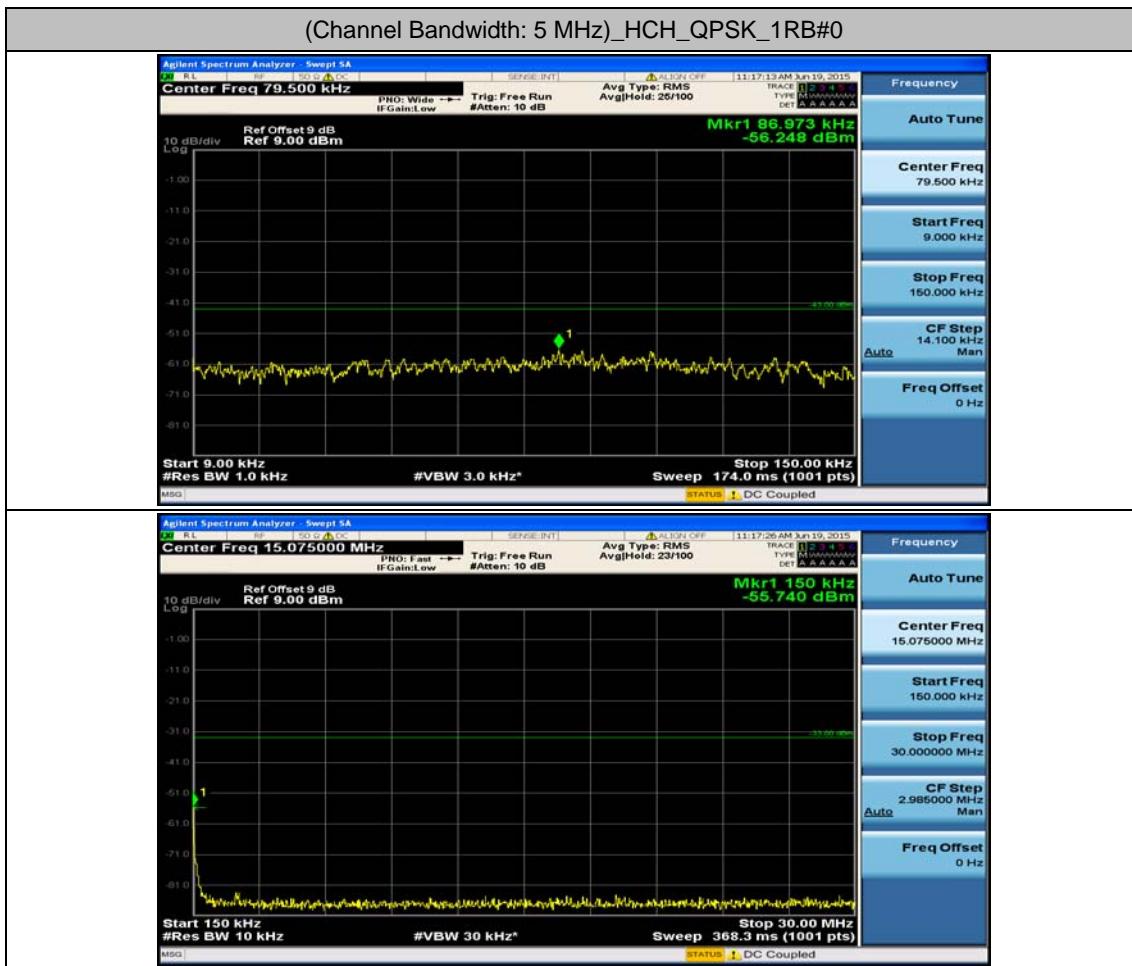
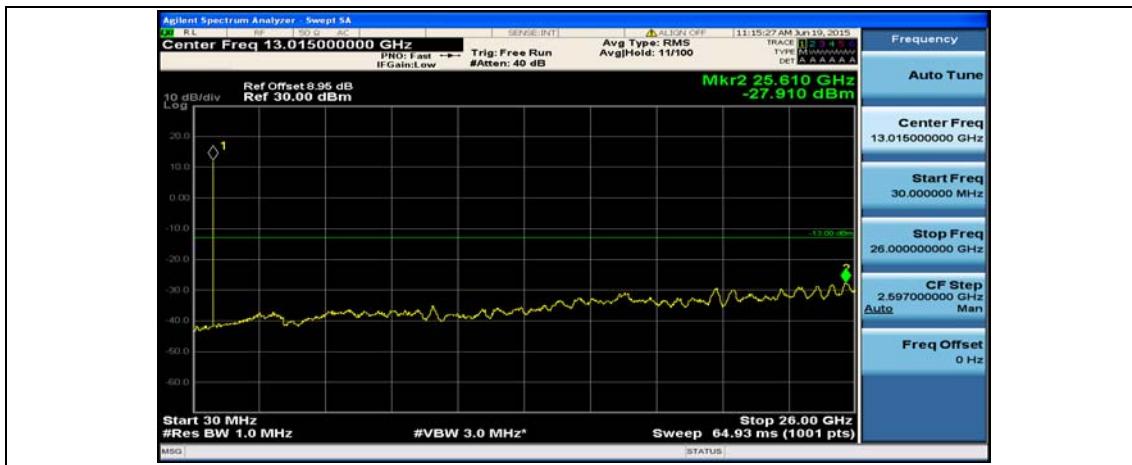


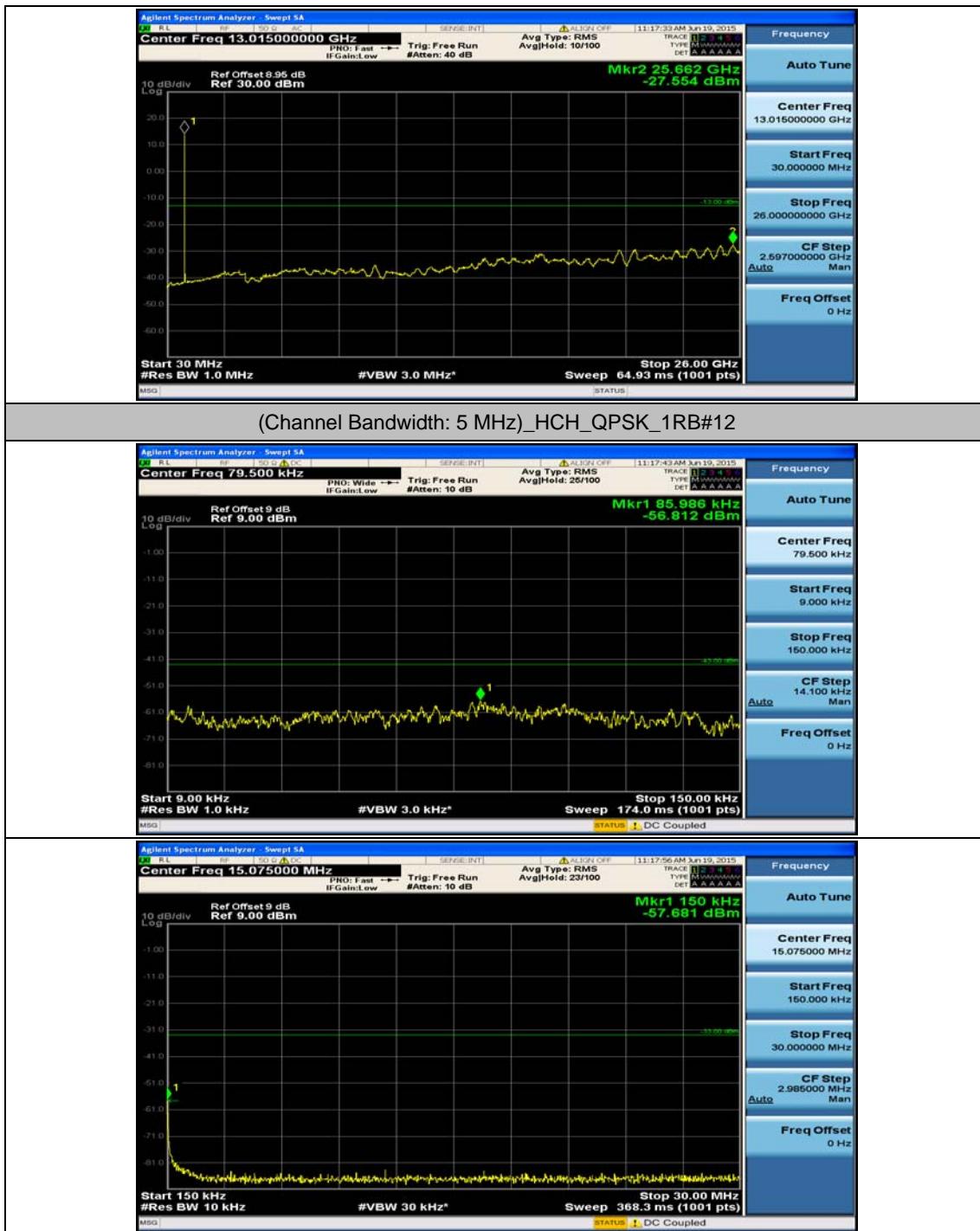


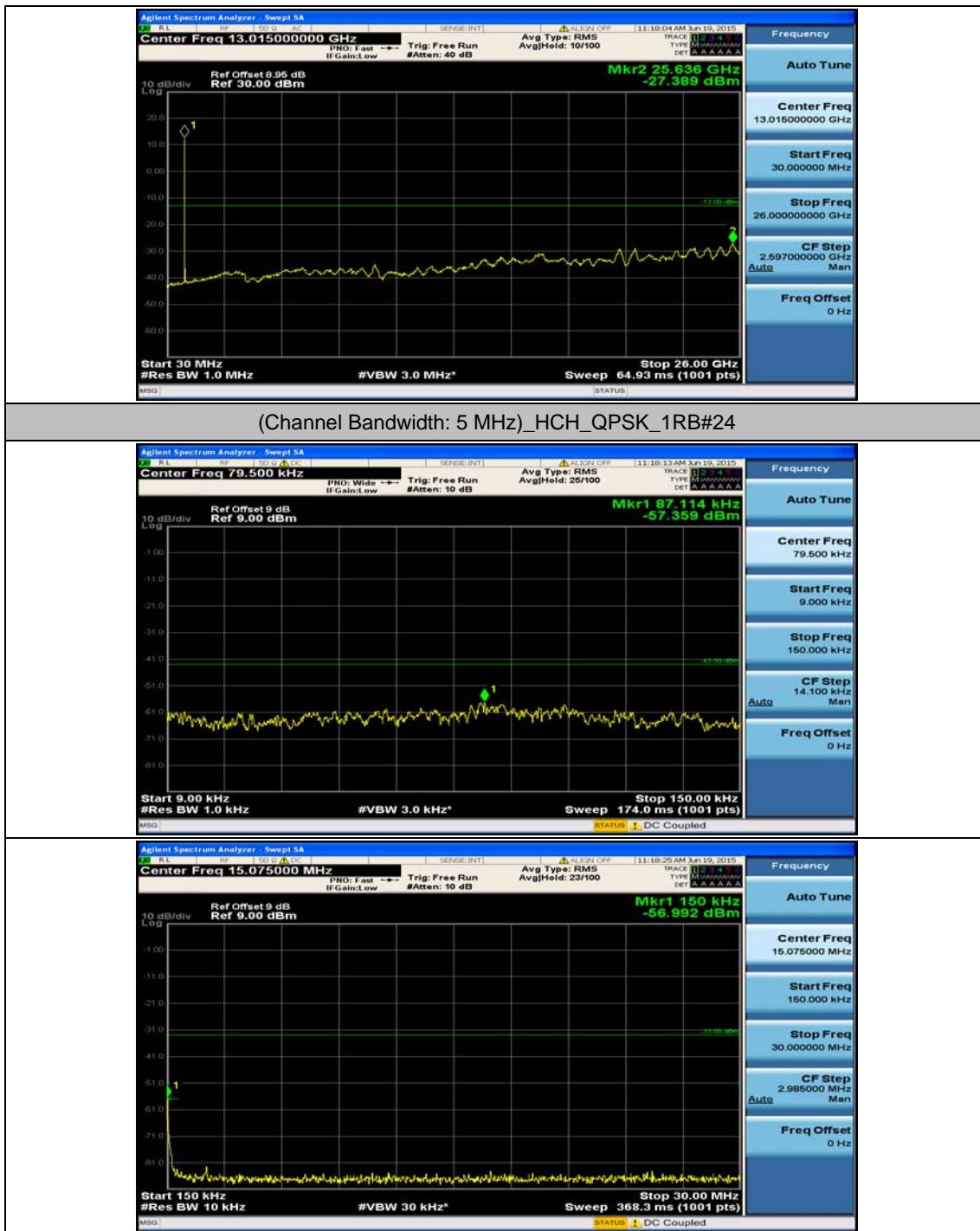


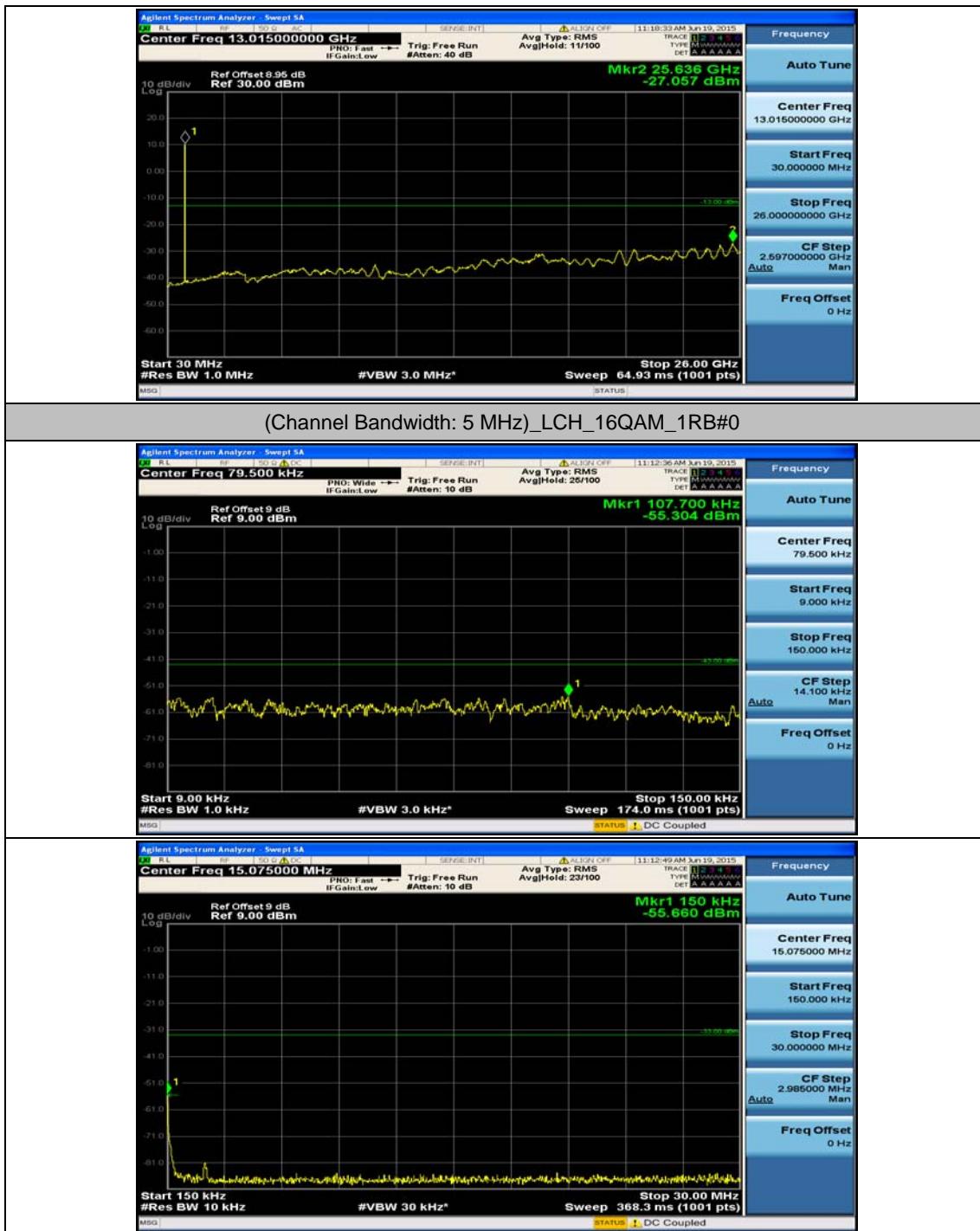


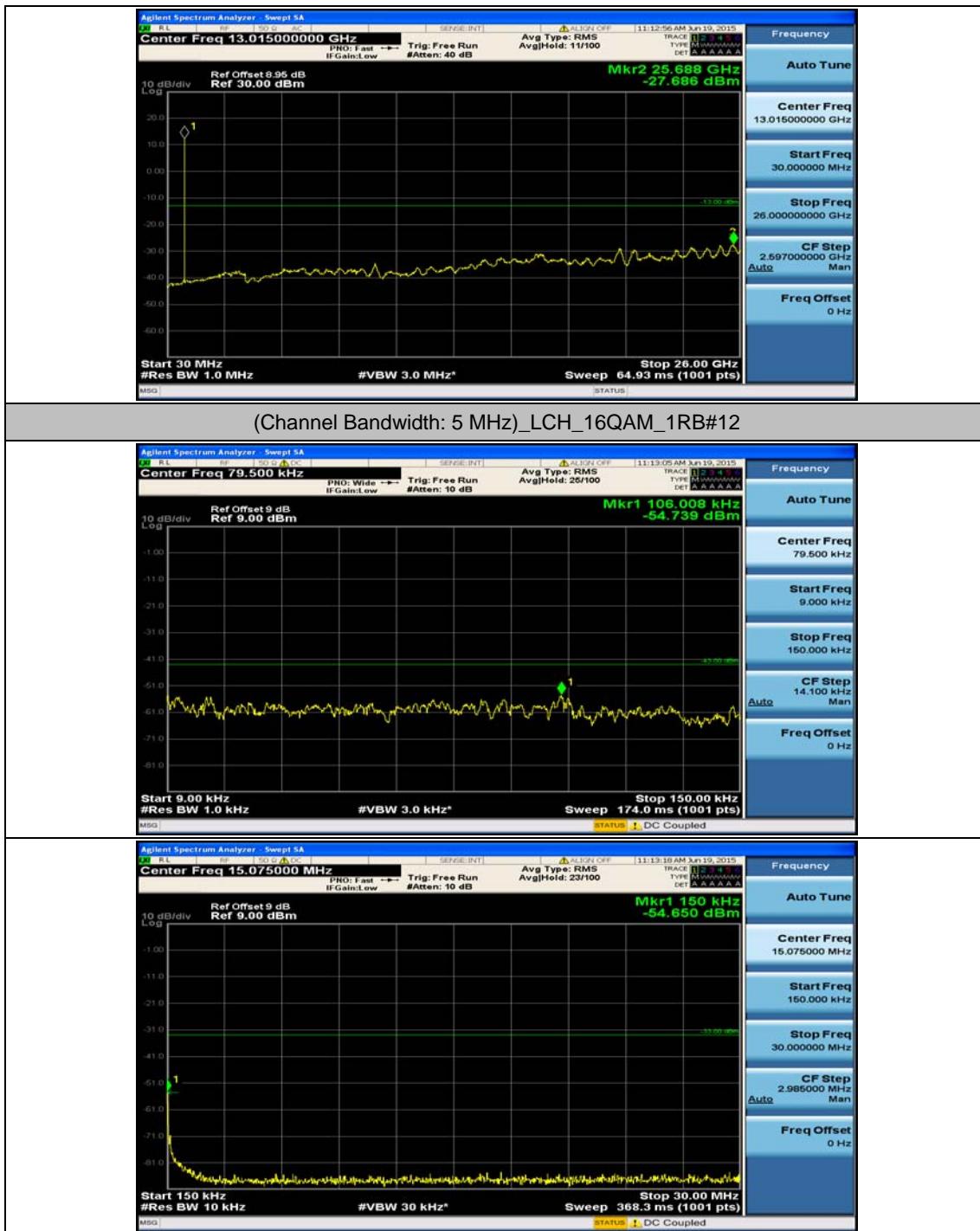


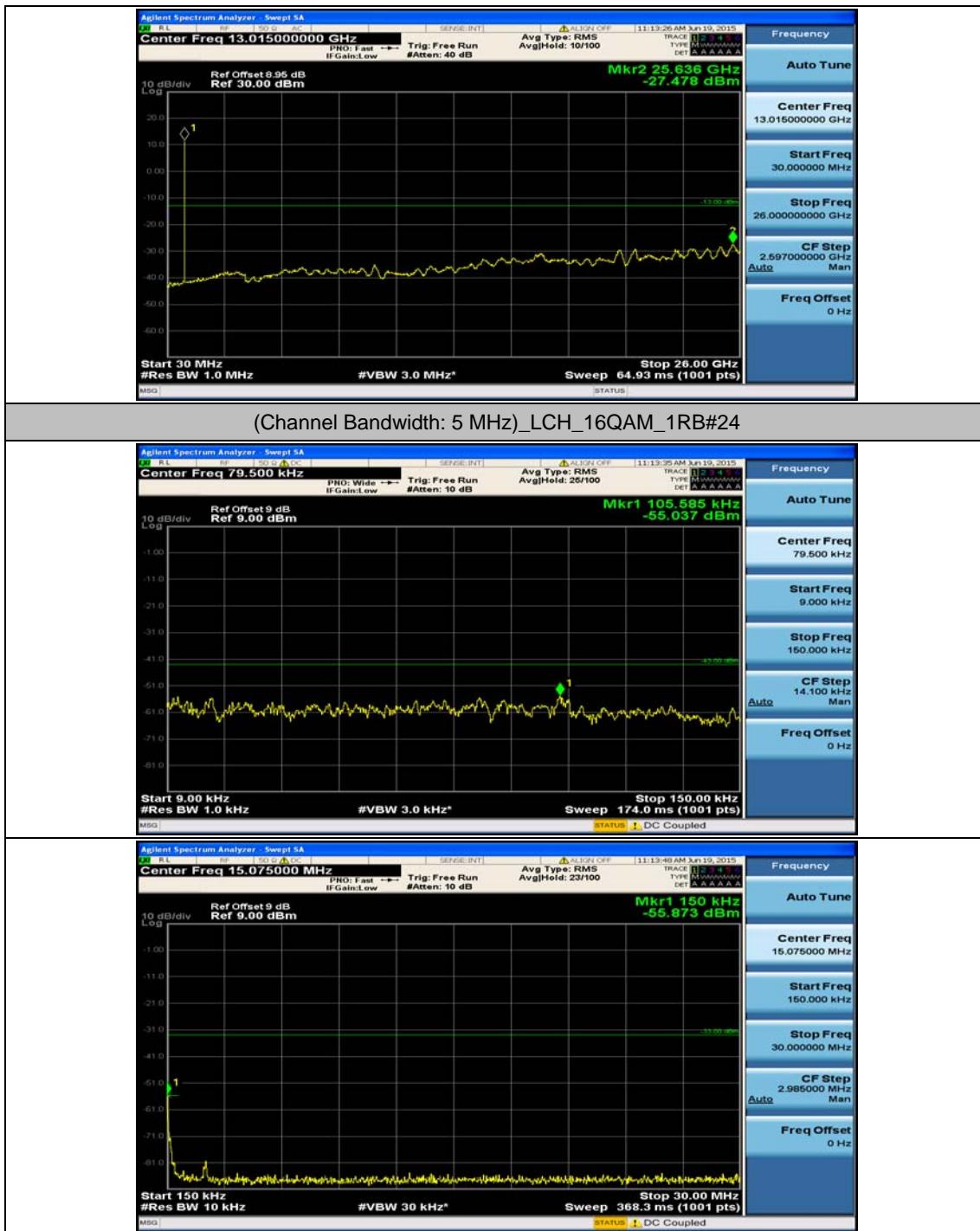


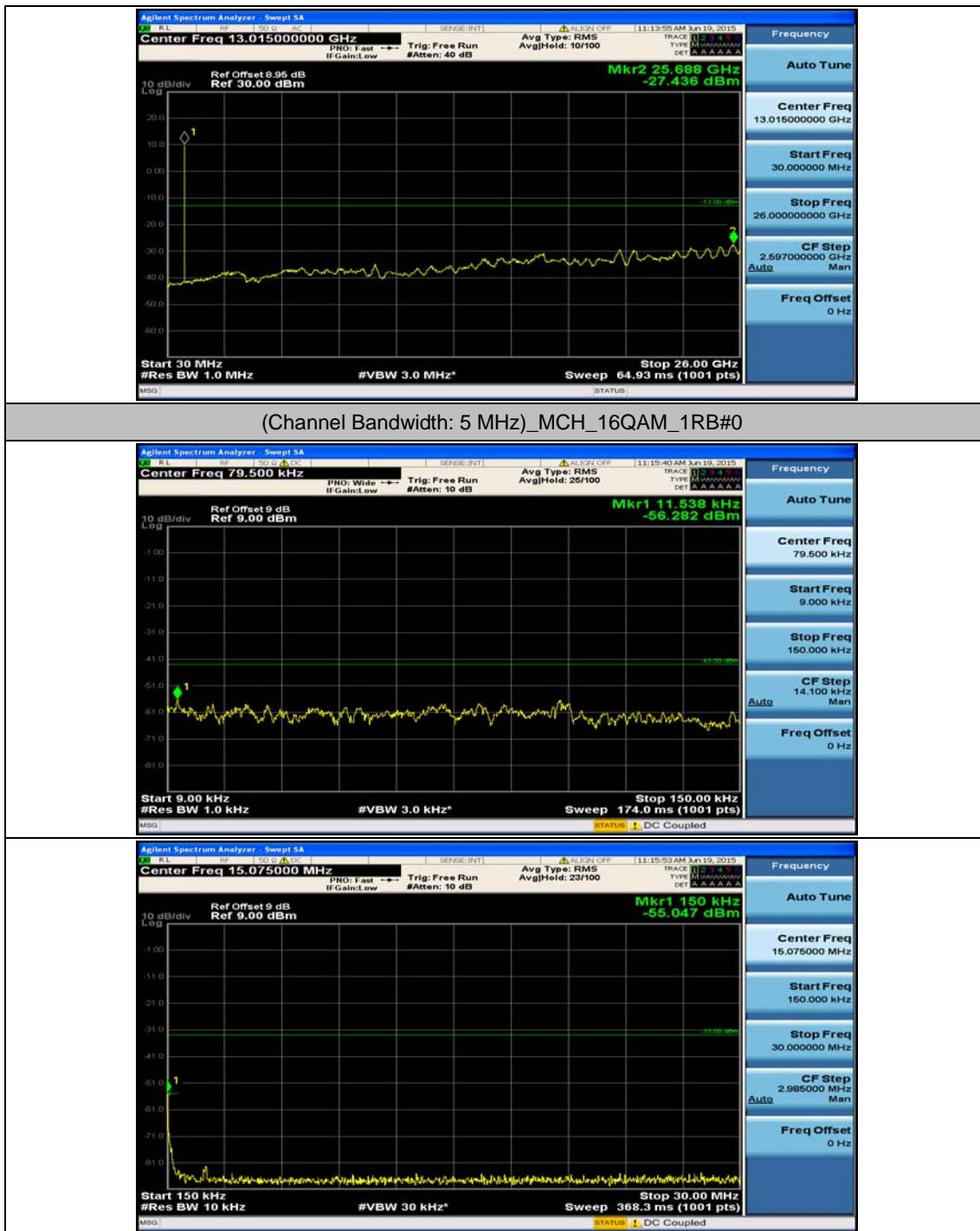


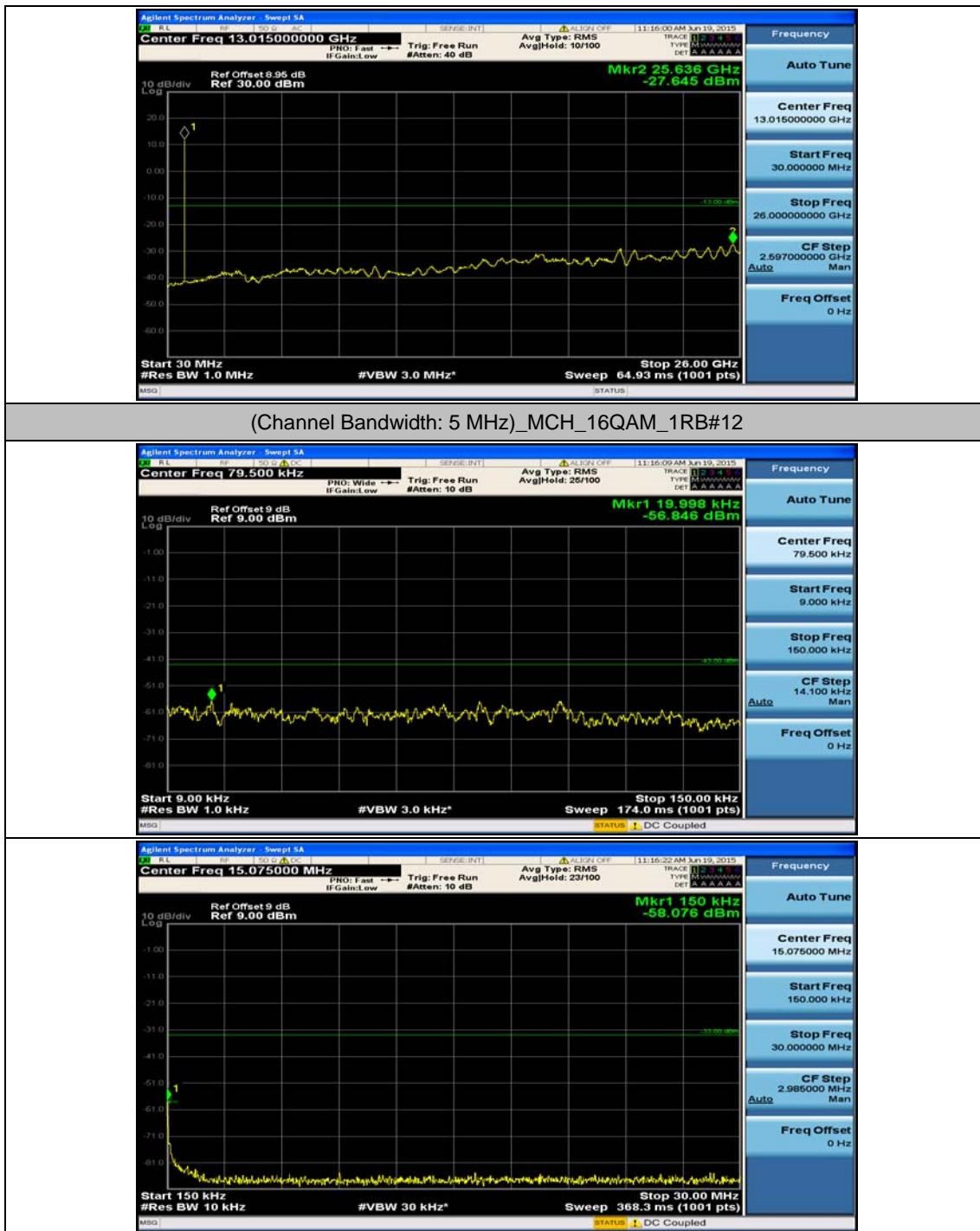


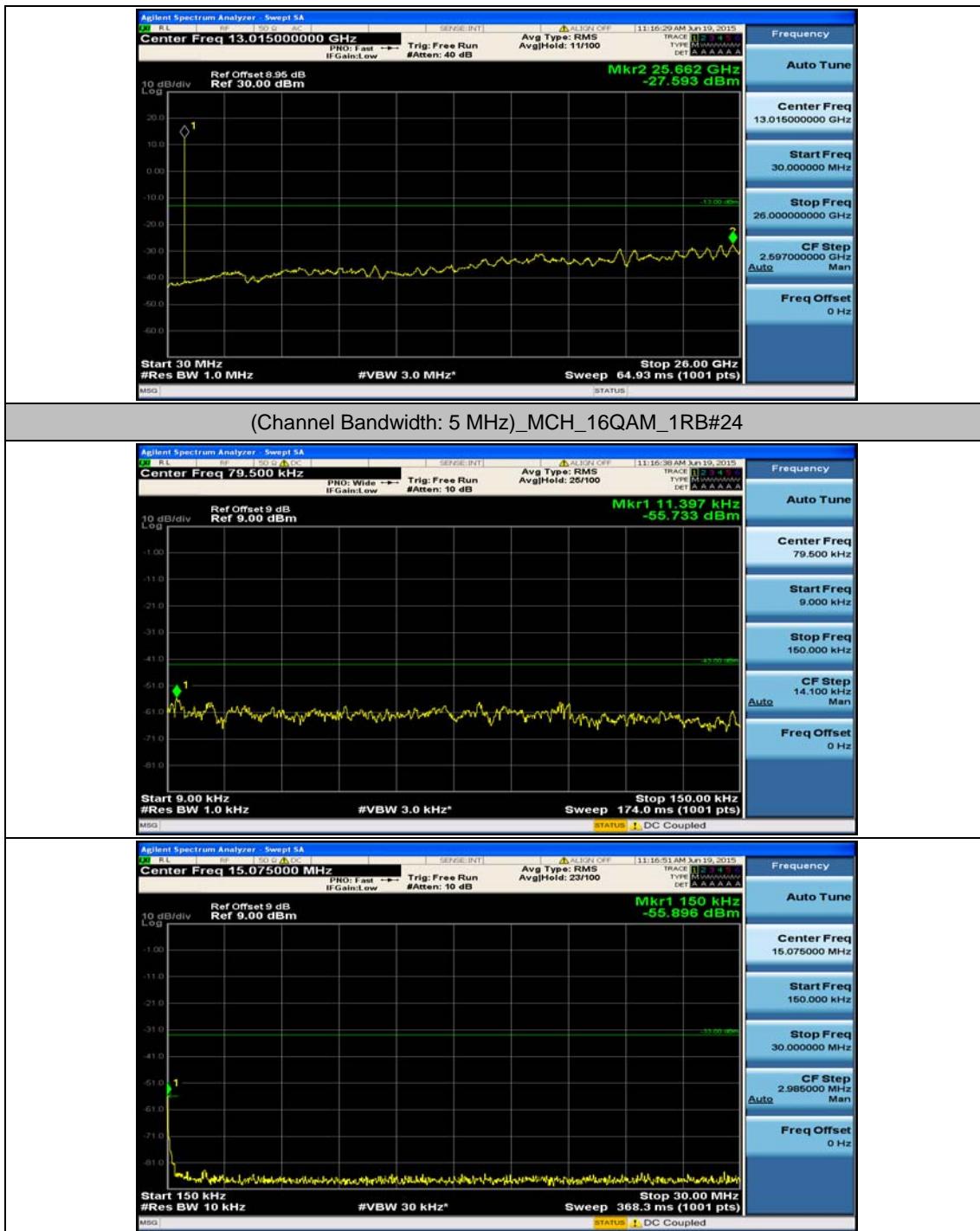


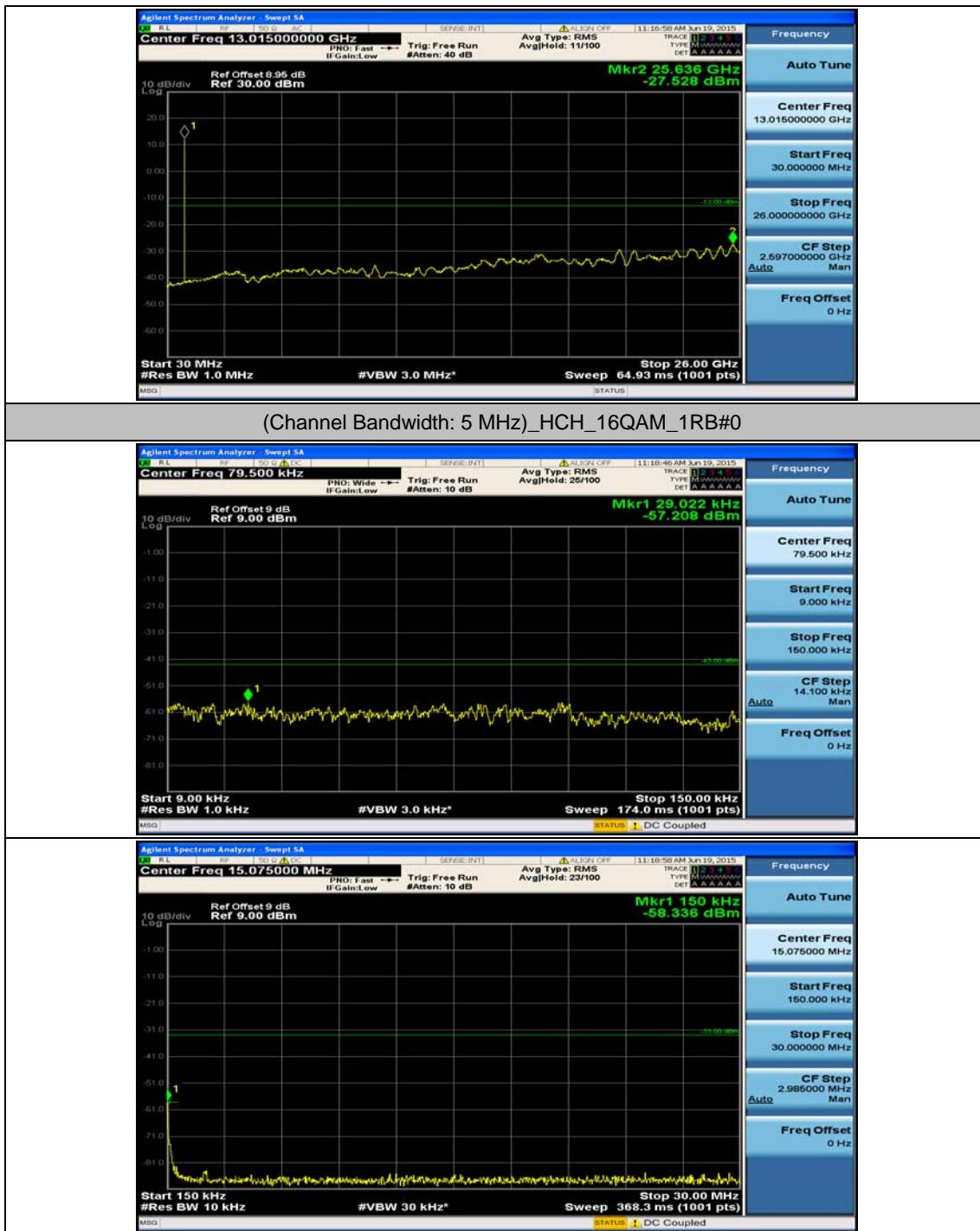


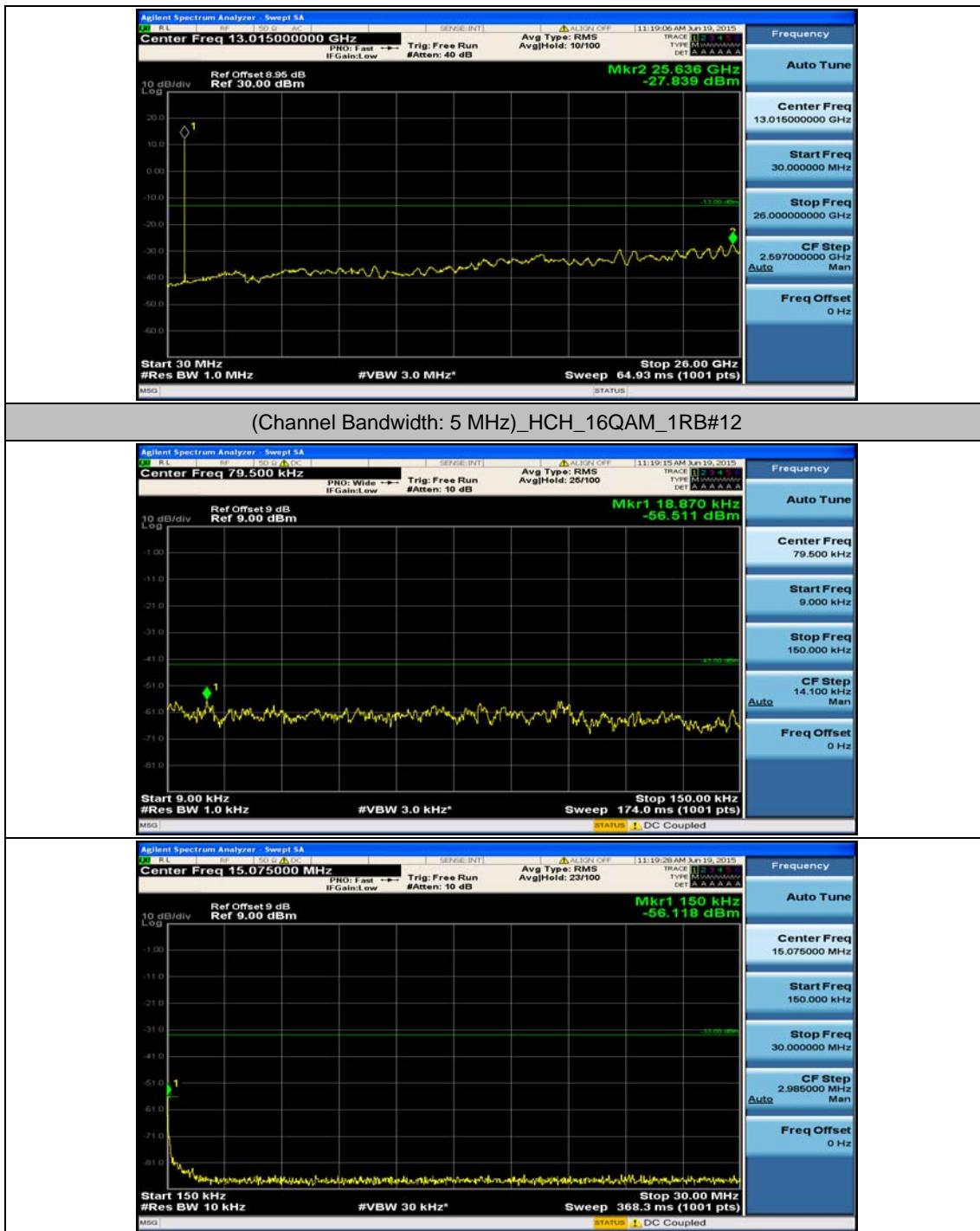


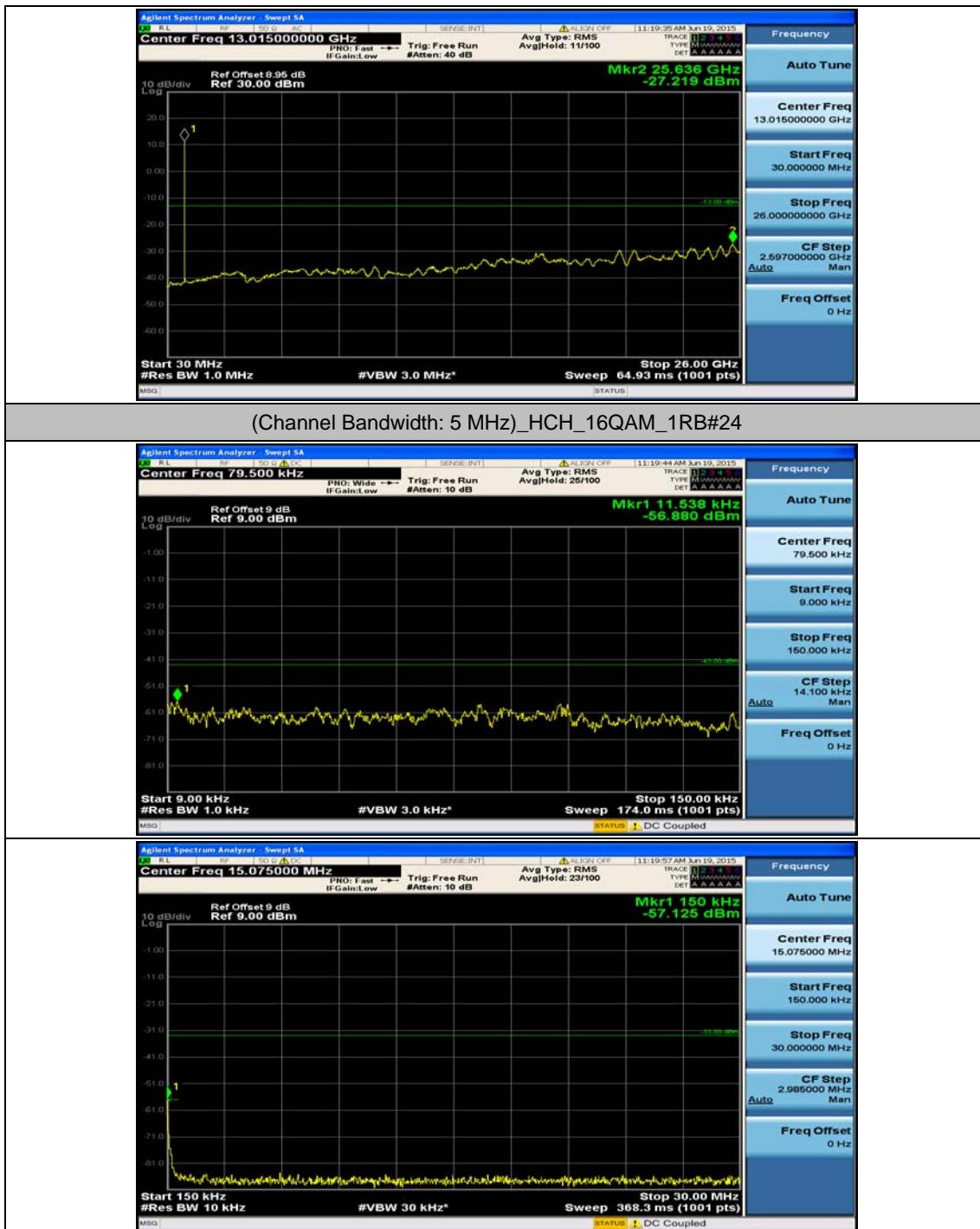






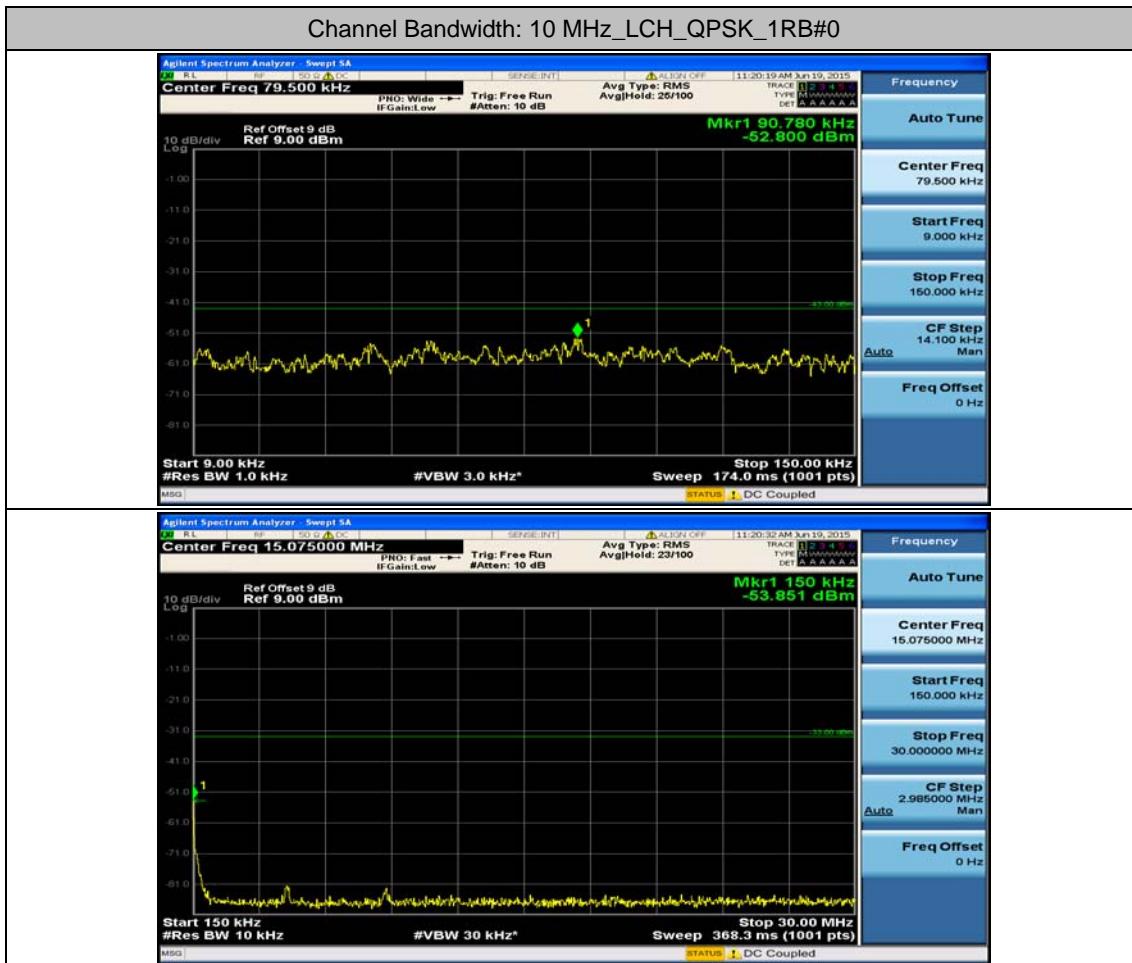


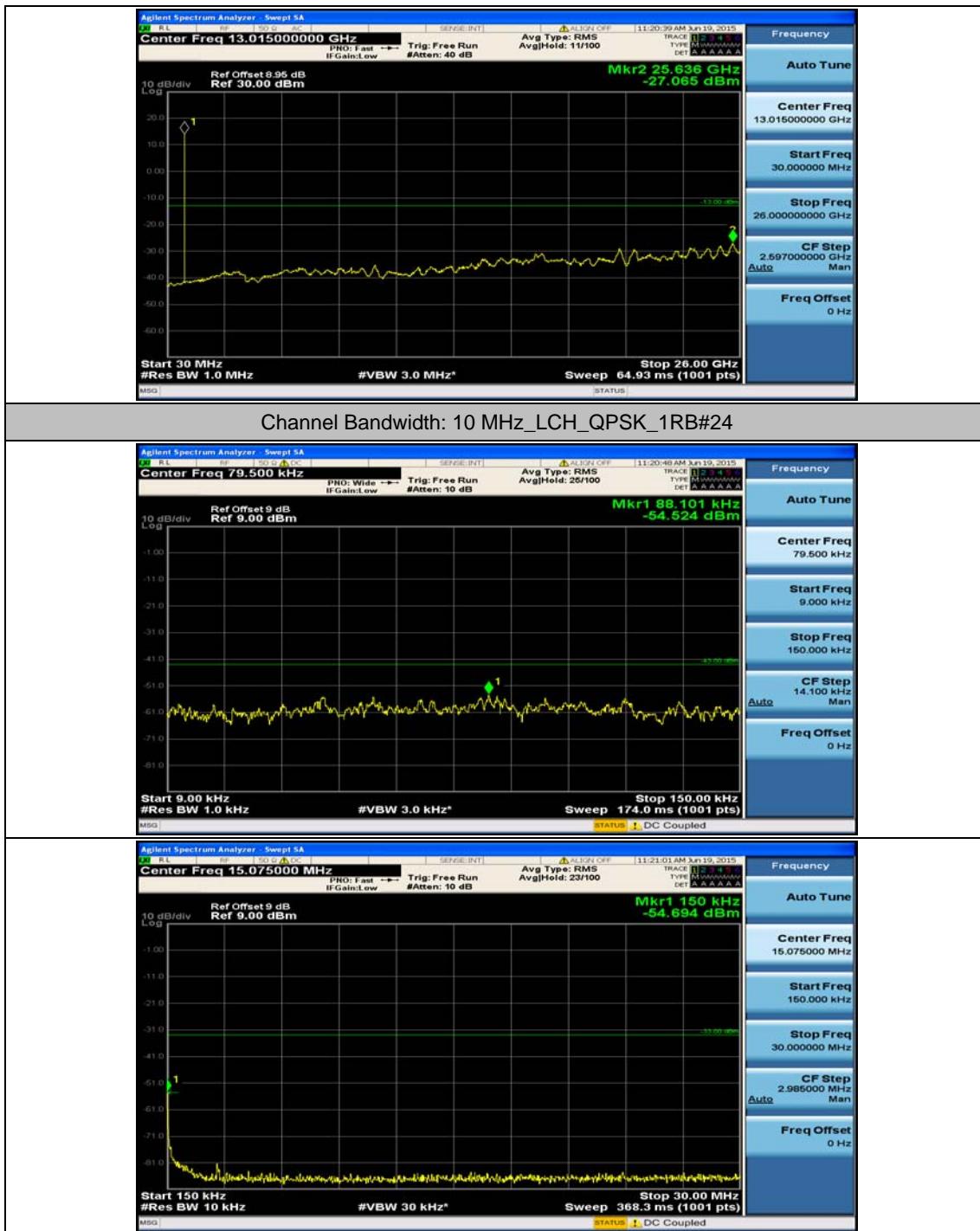


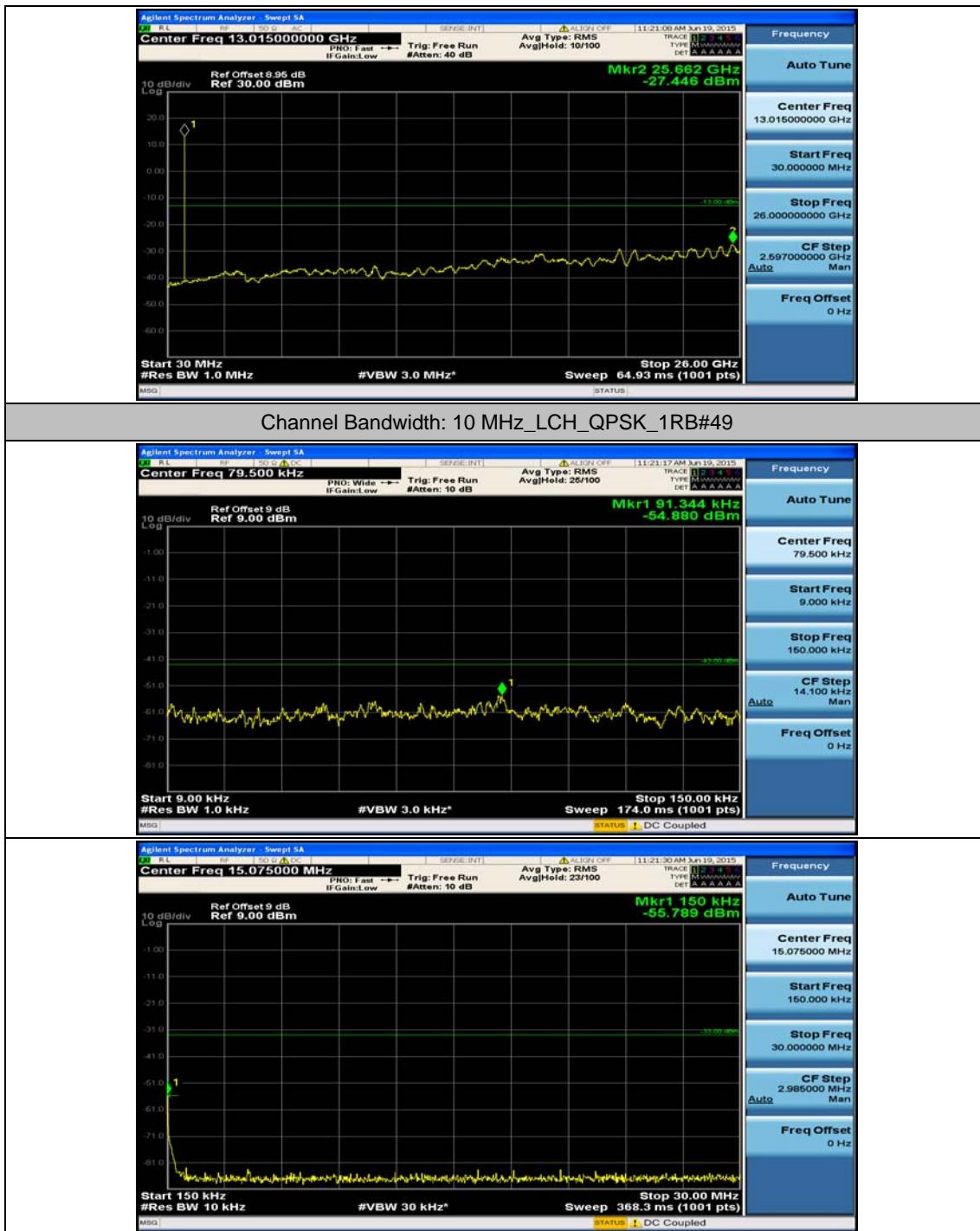


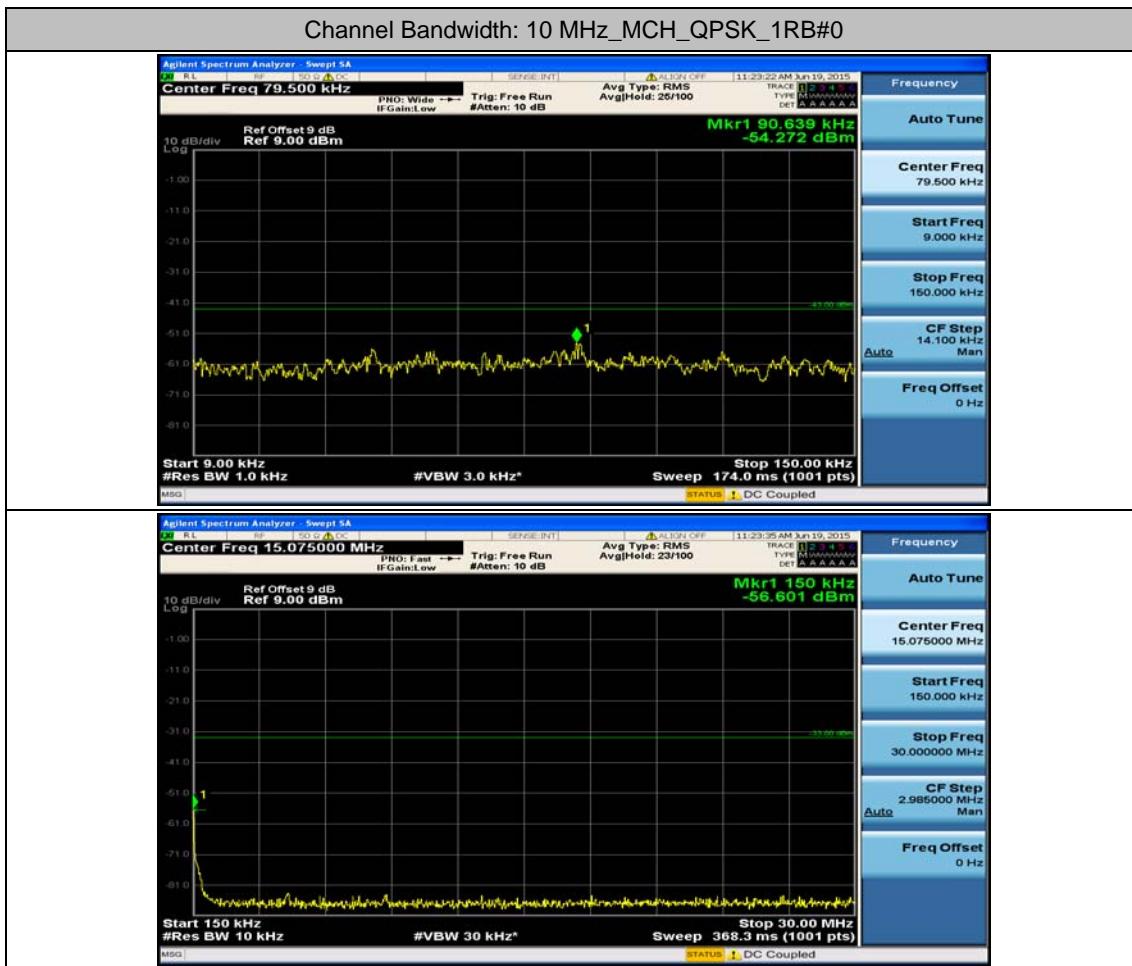


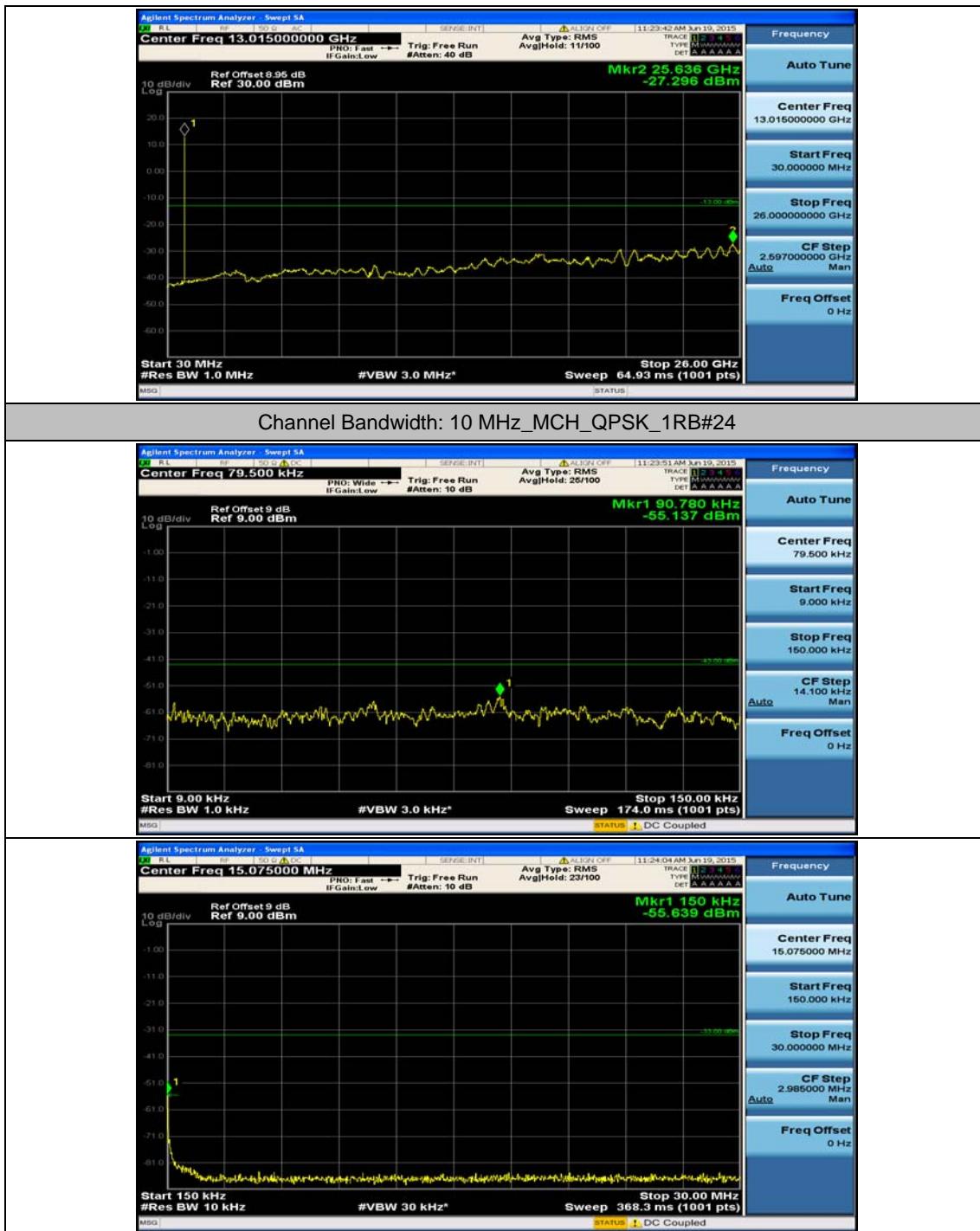
## Channel Bandwidth: 10 MHz

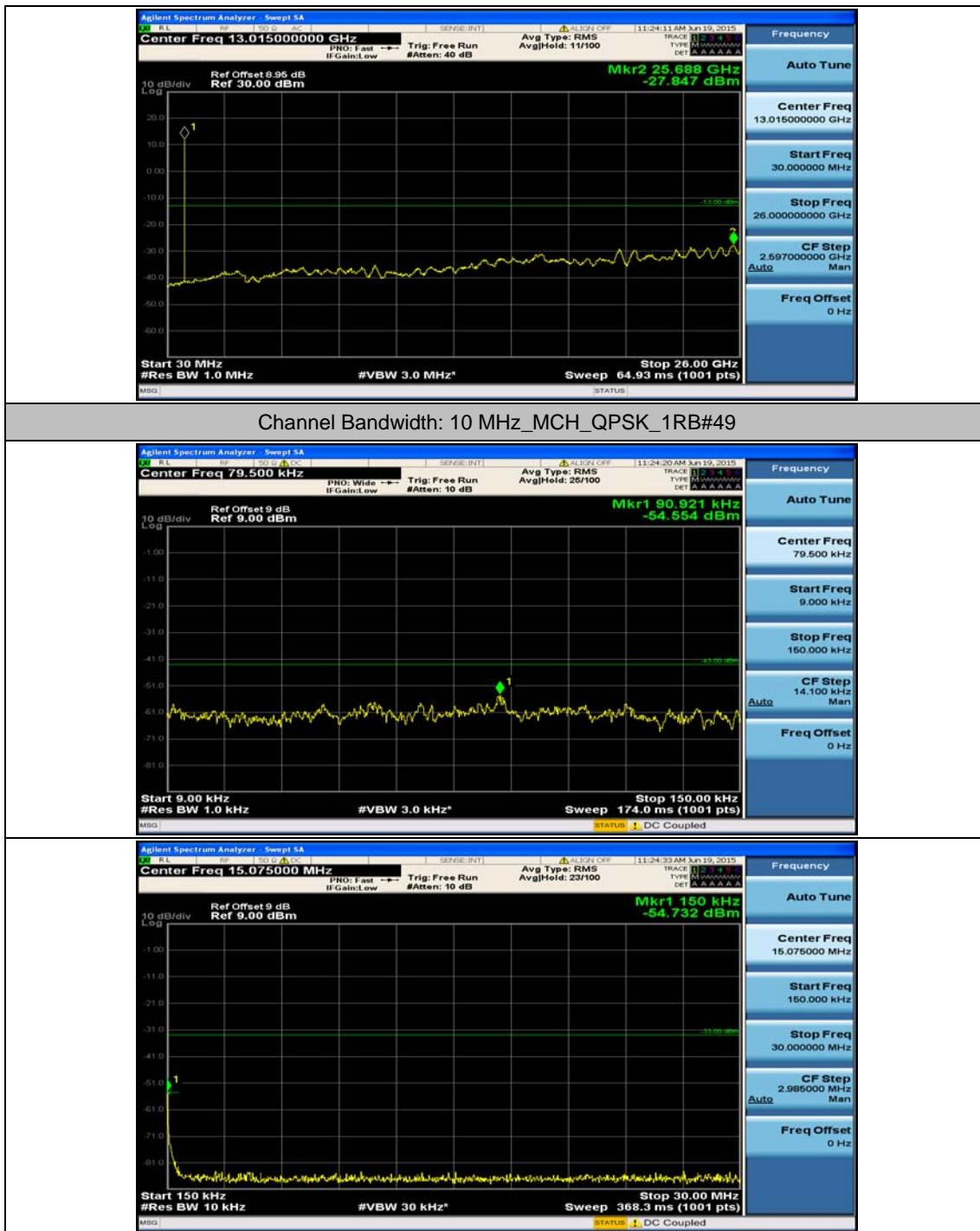


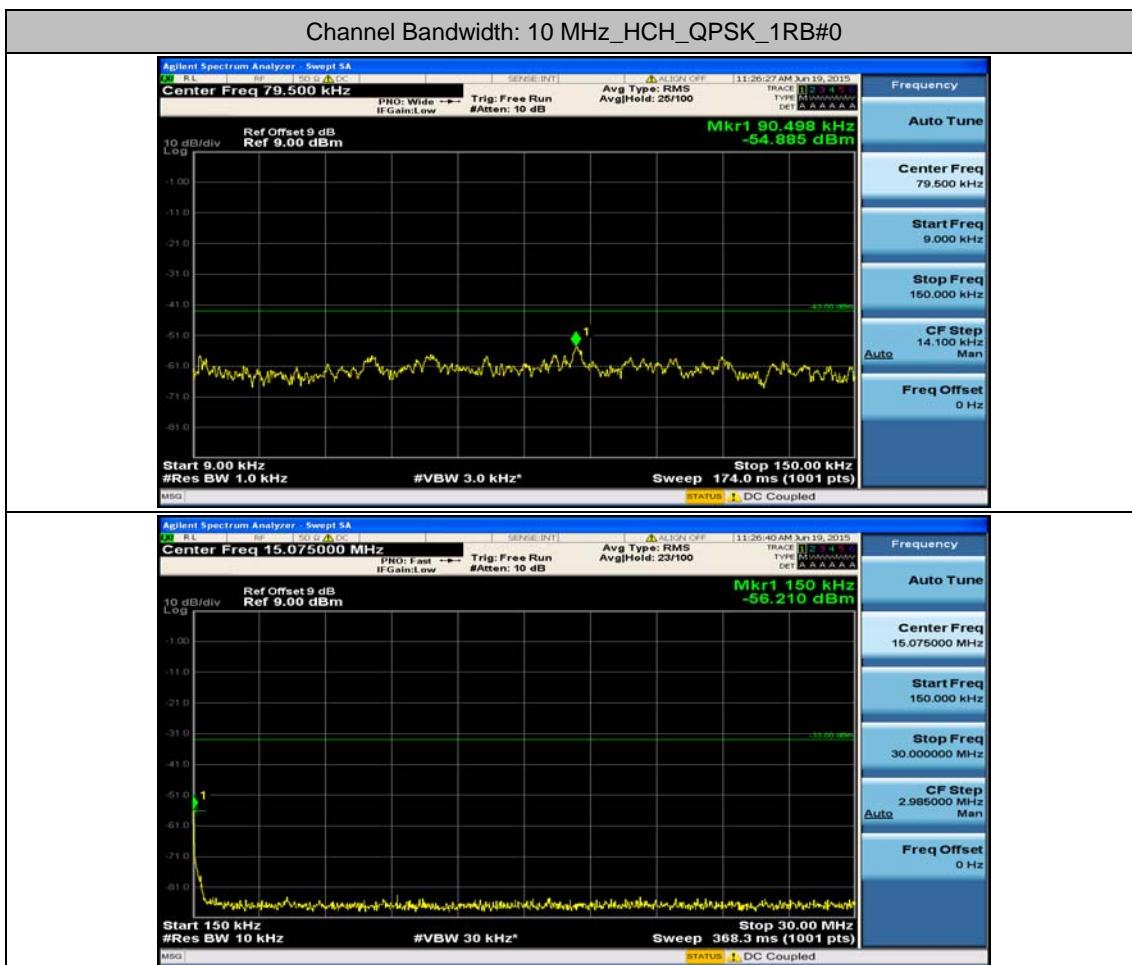
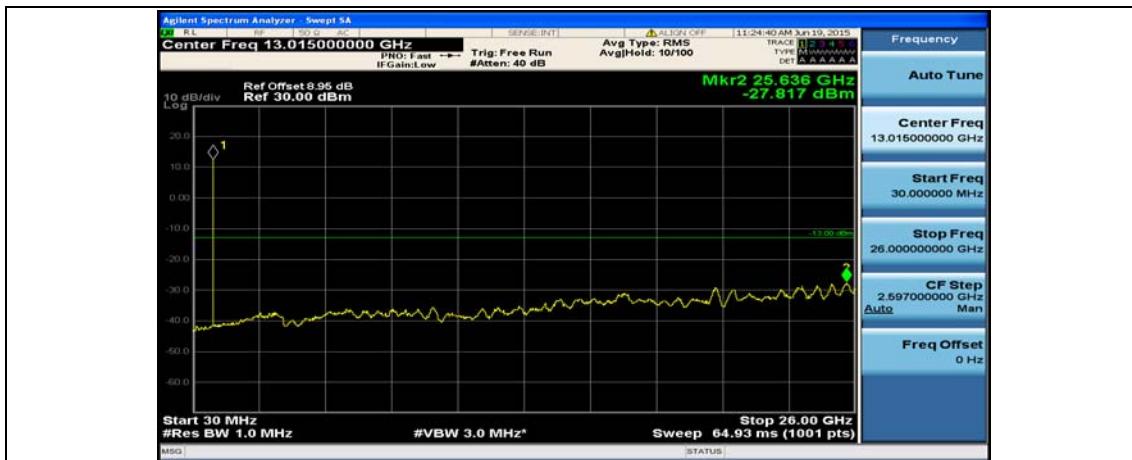


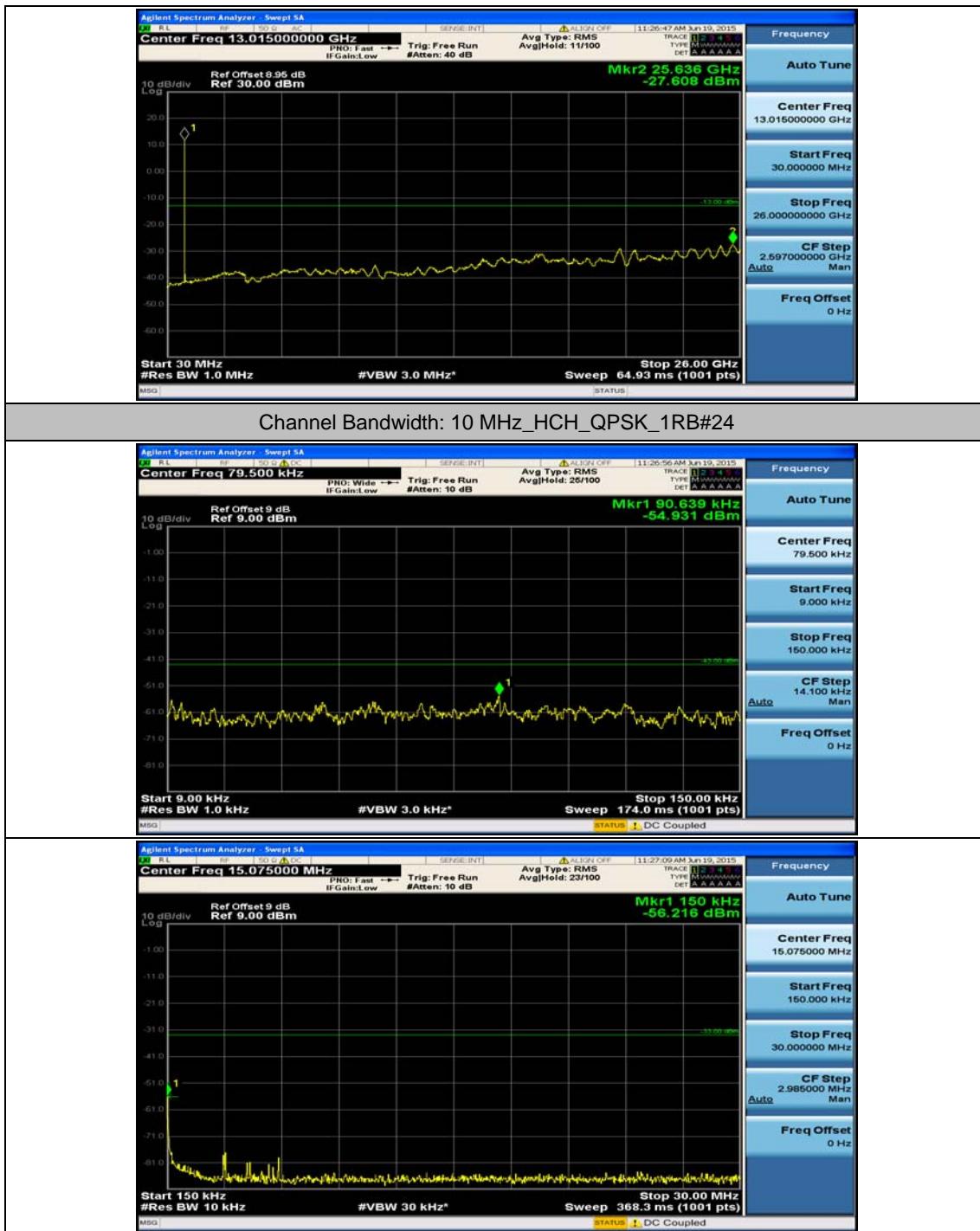


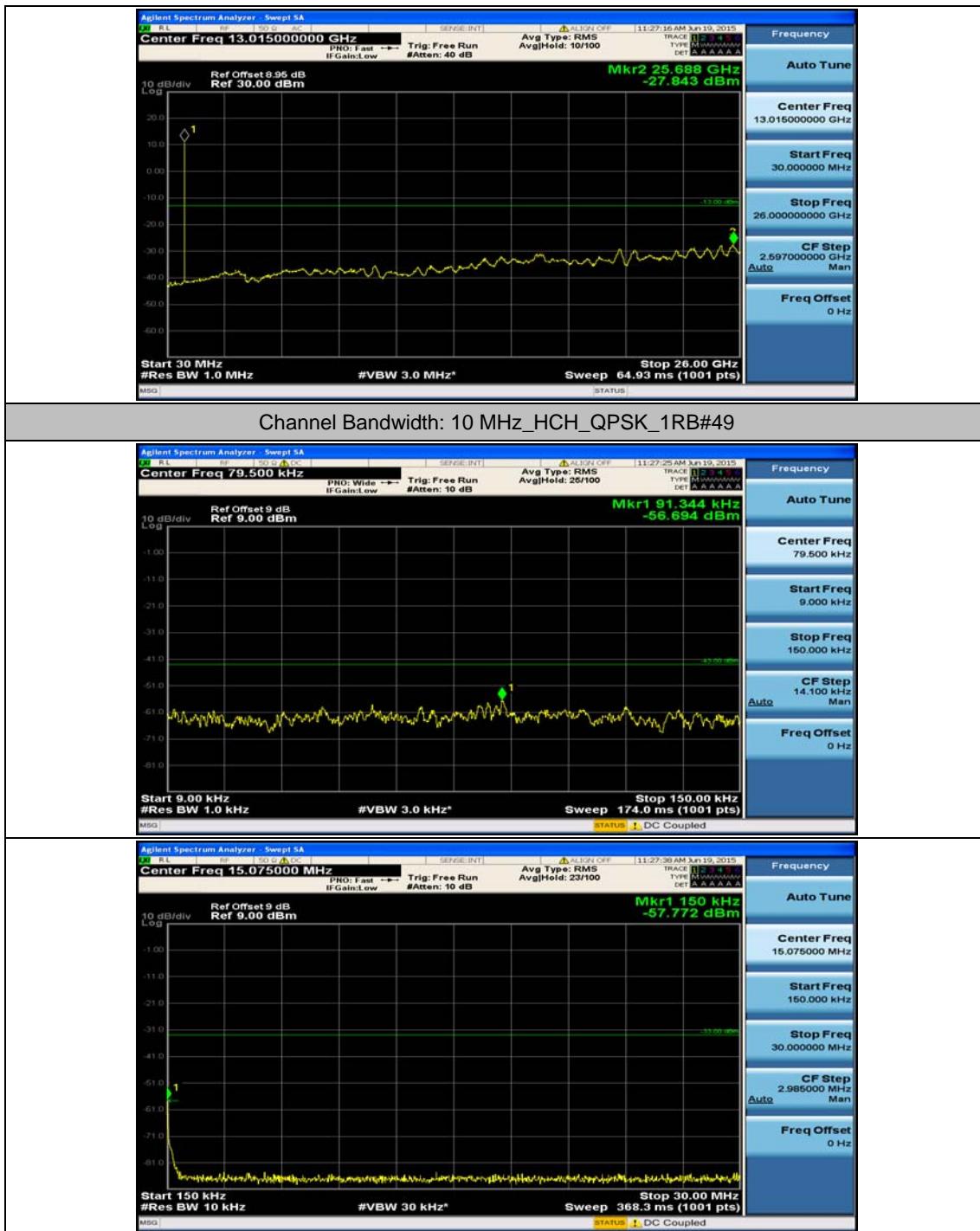


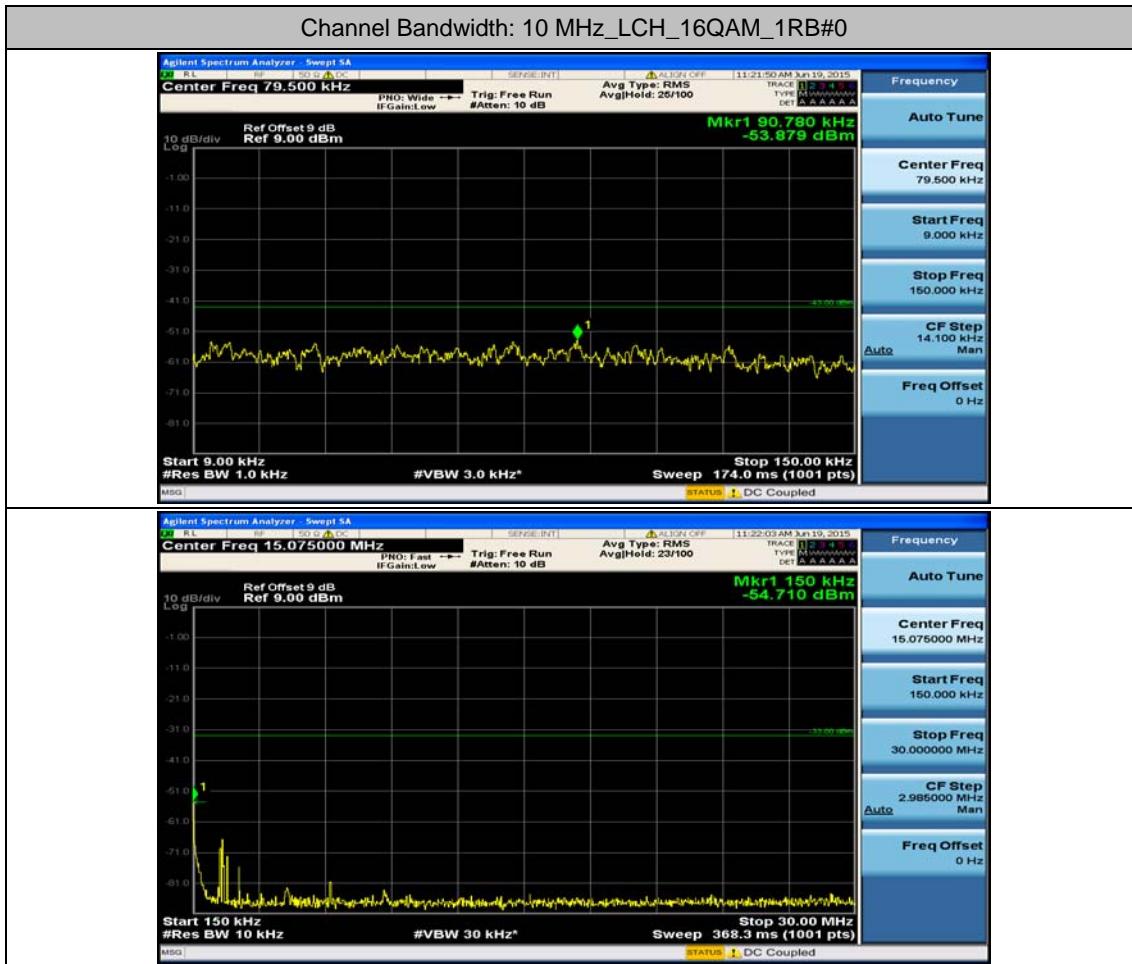


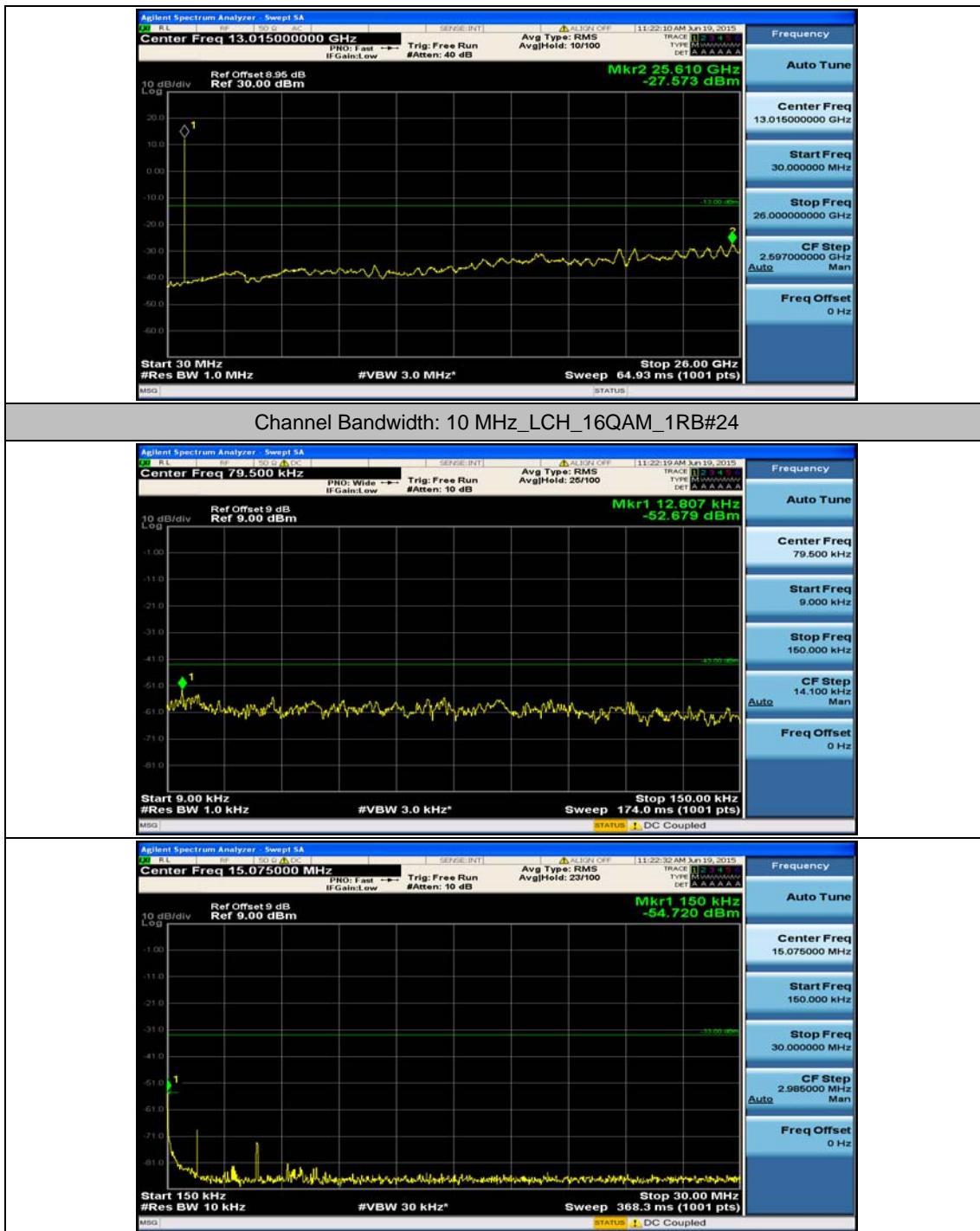


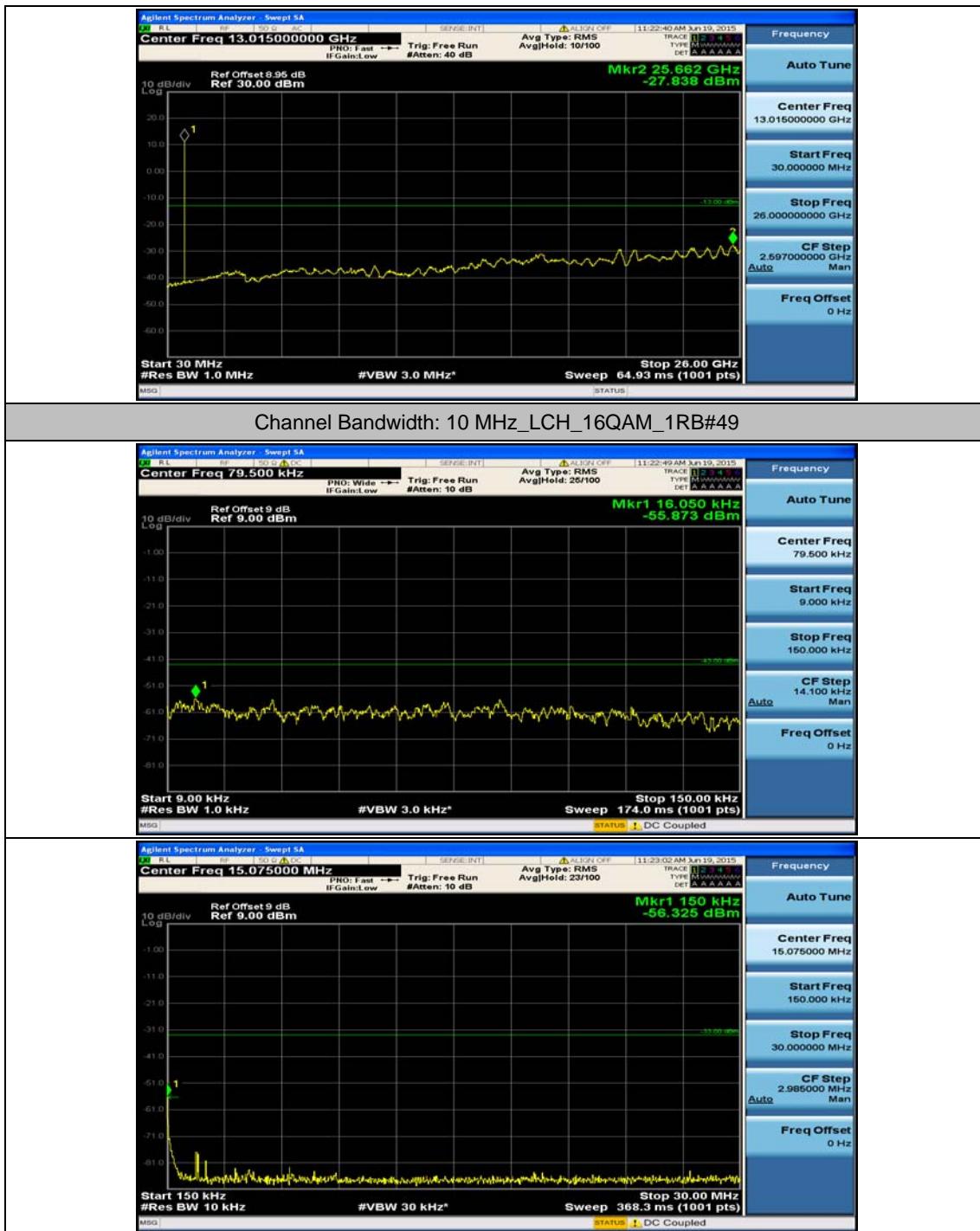


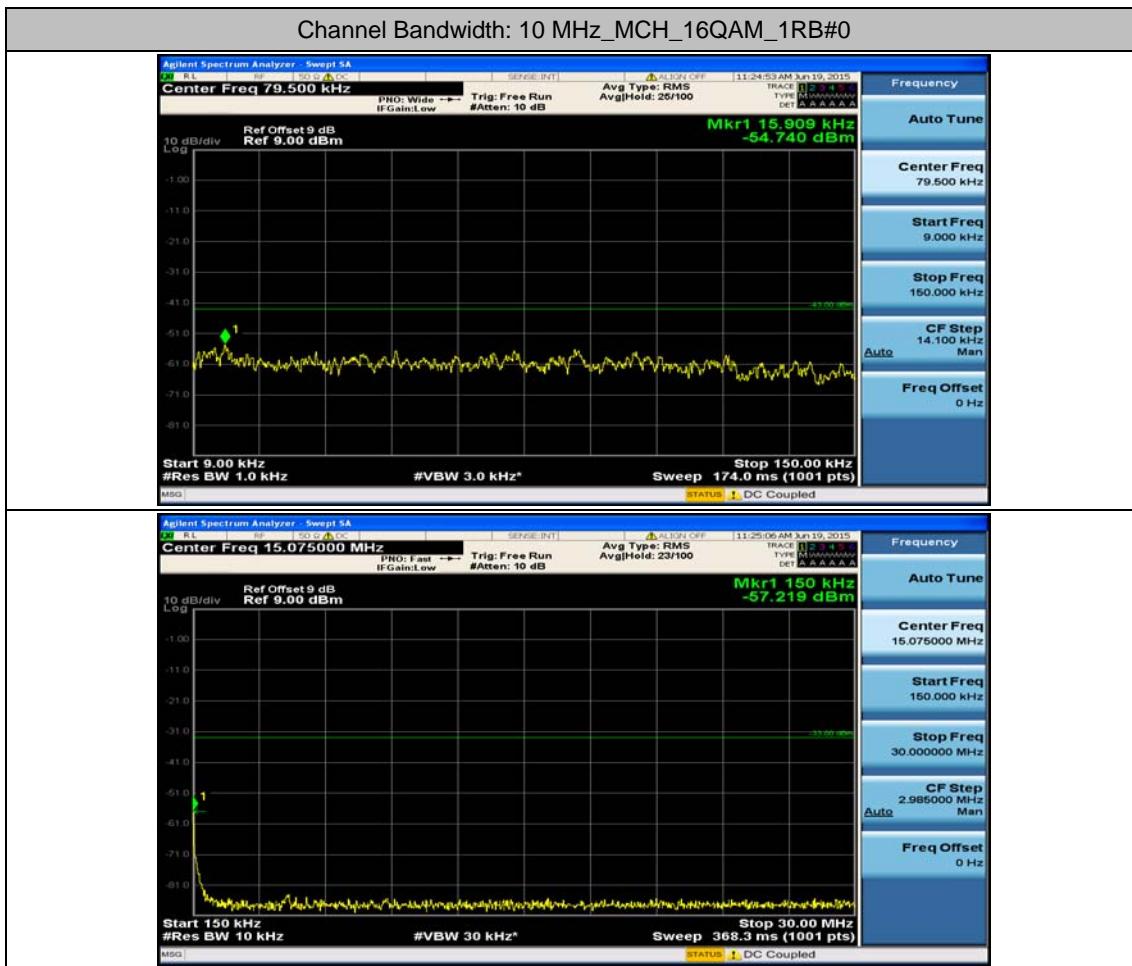
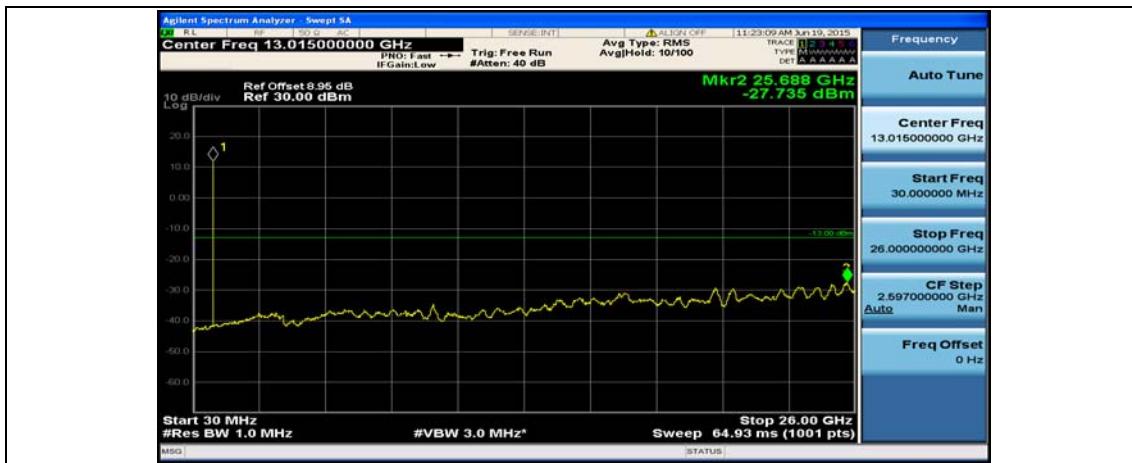


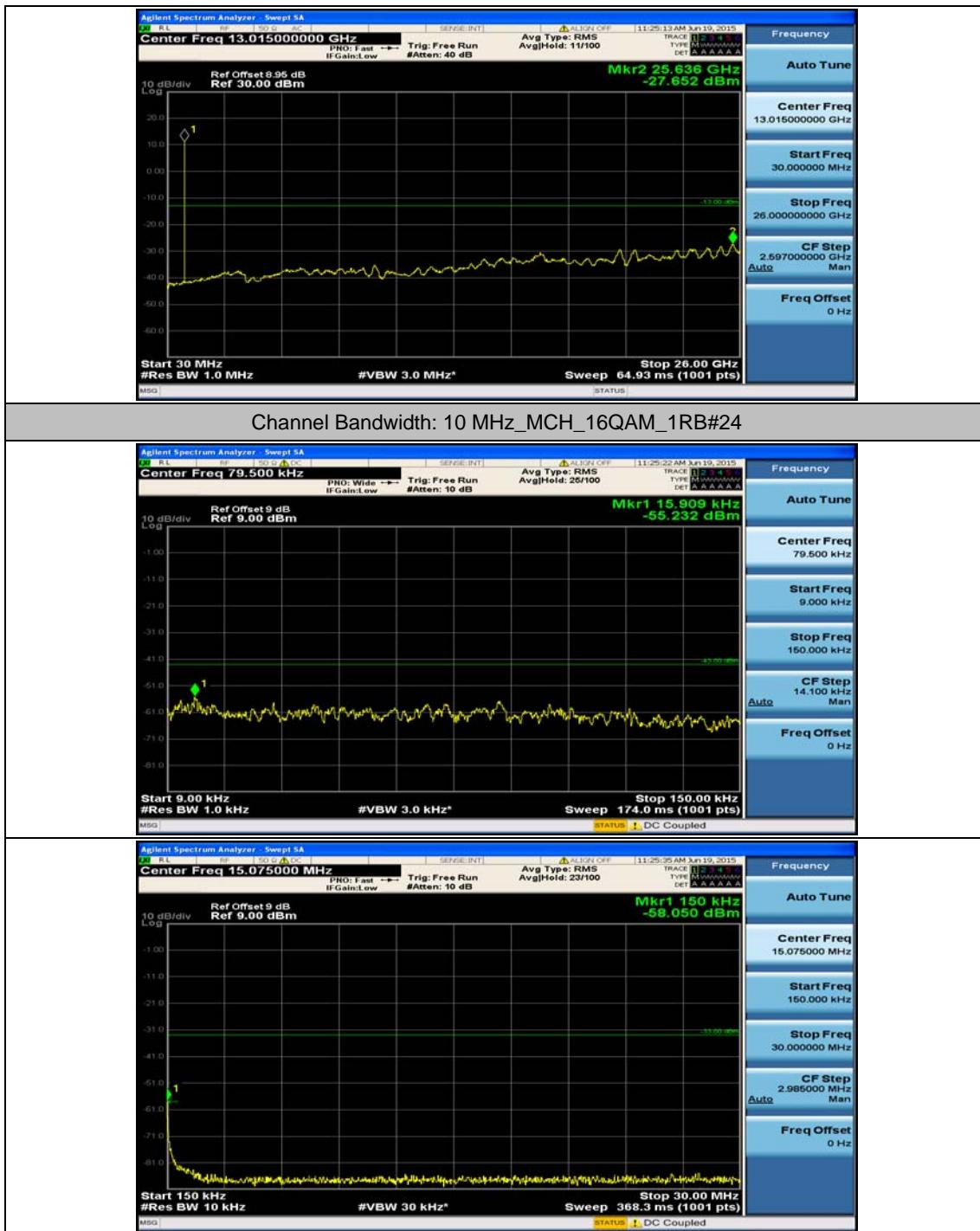


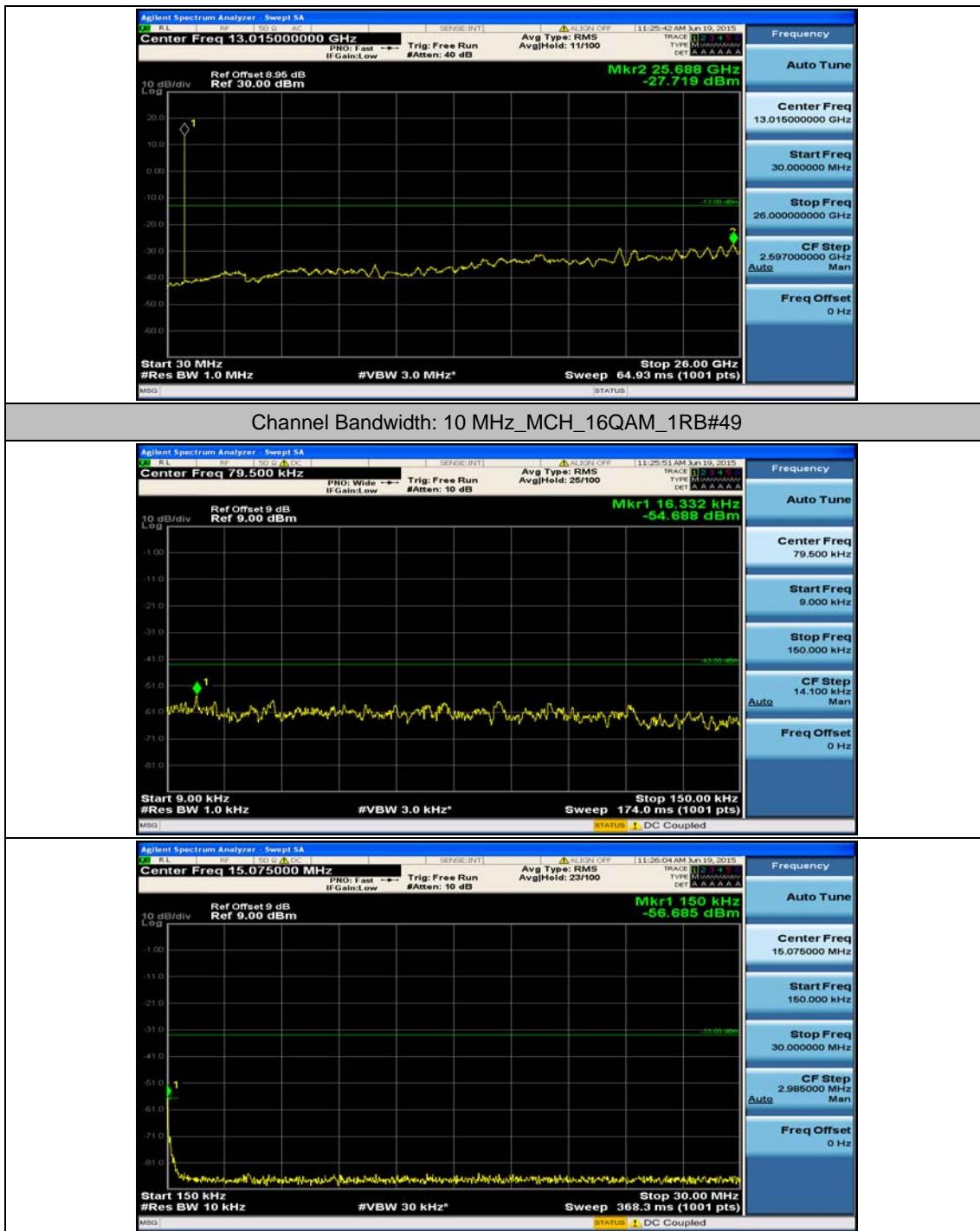


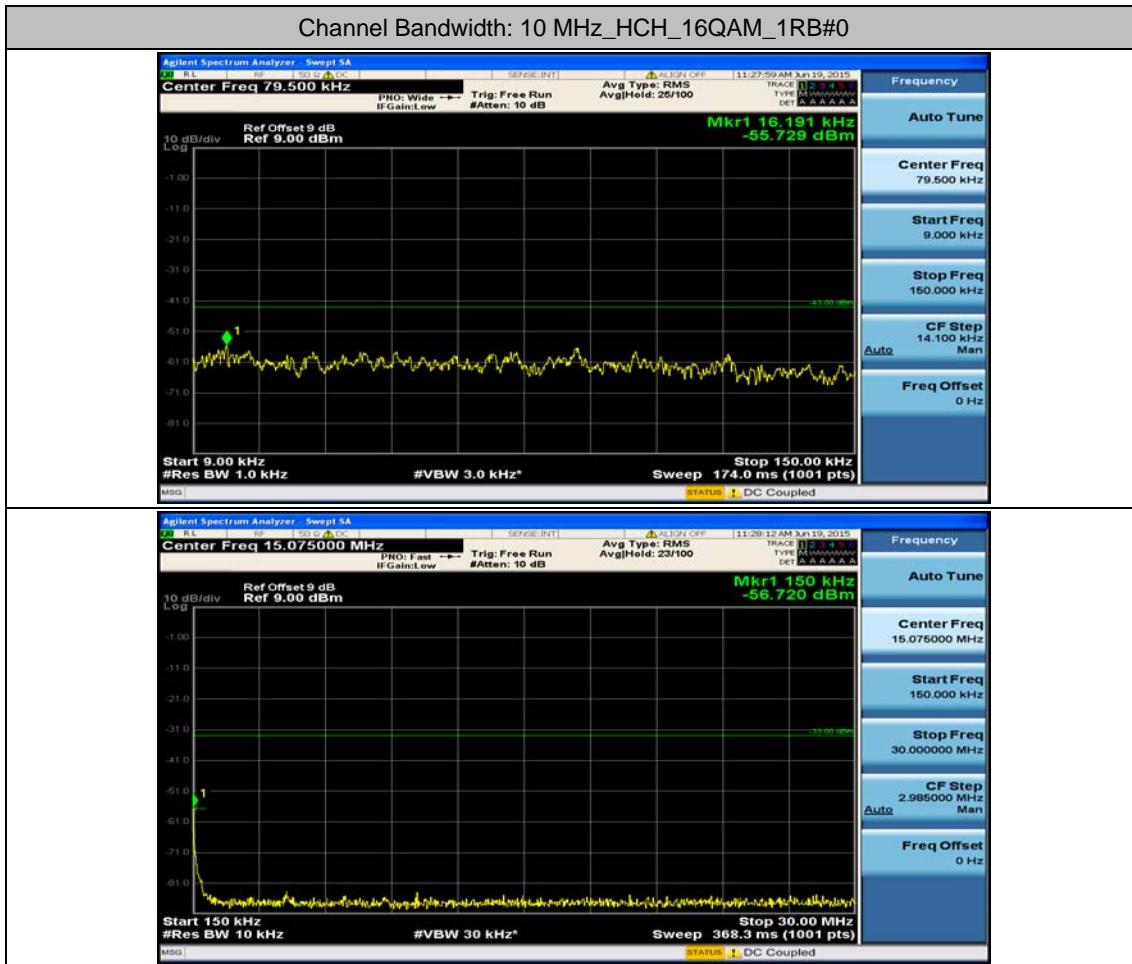
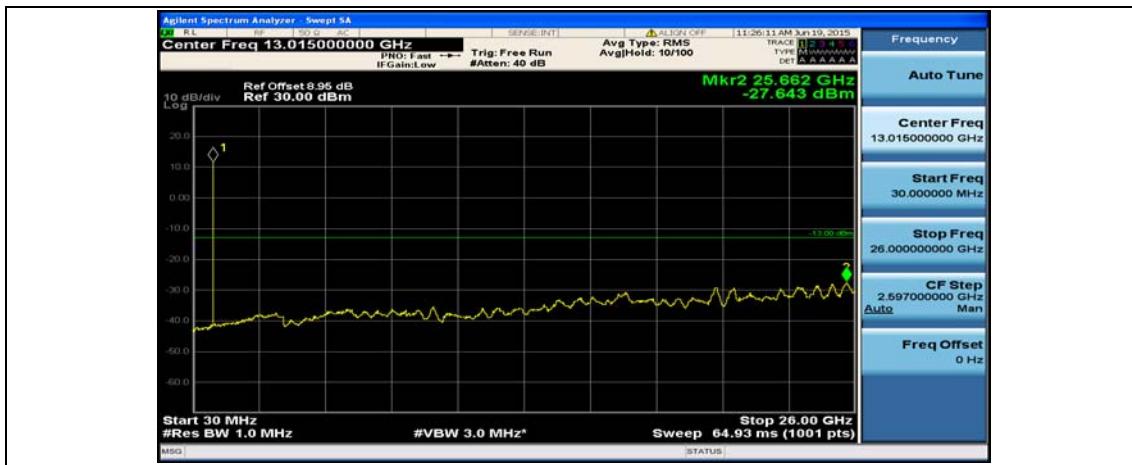


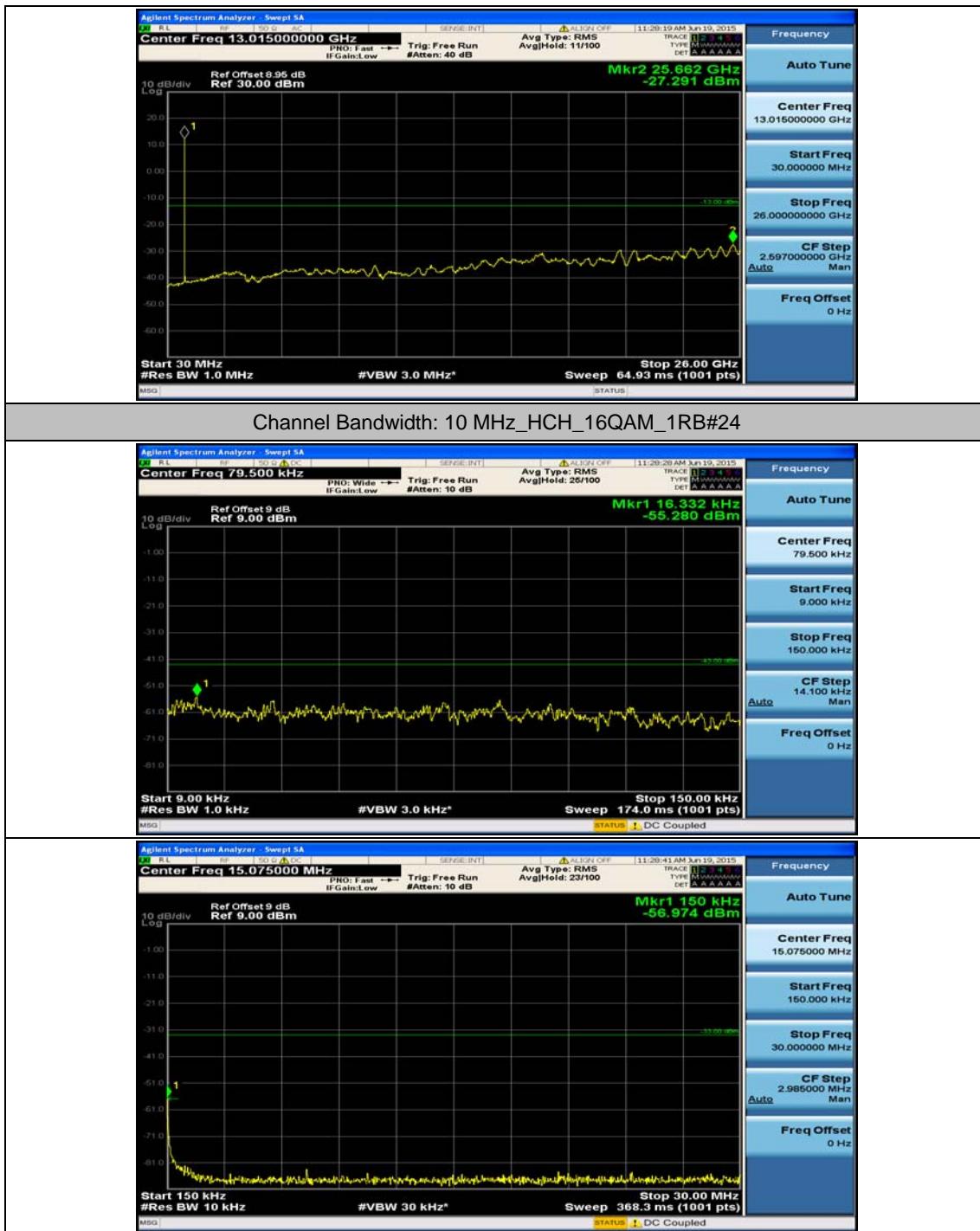


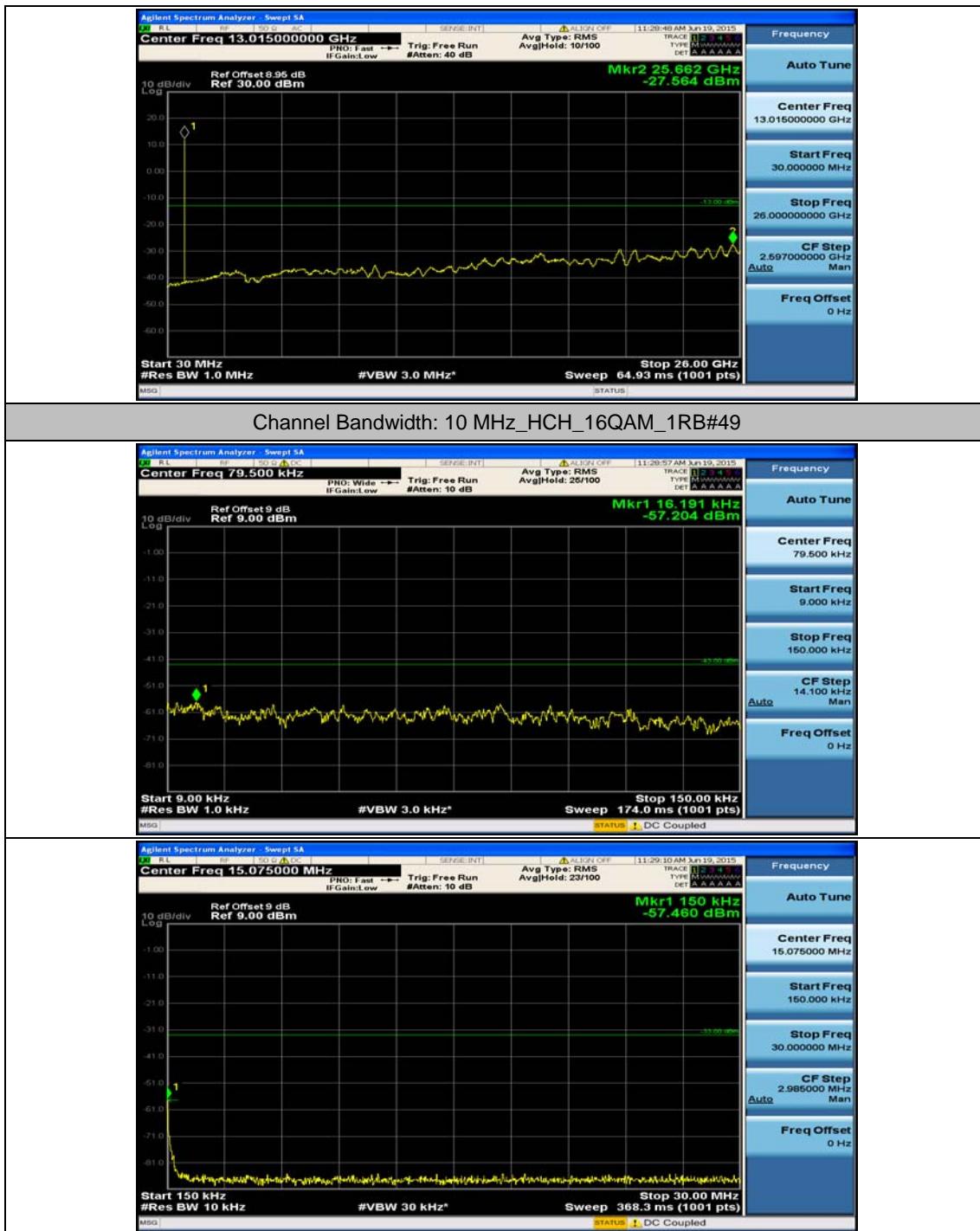














## Appendix F: Frequency Stability

### 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	-0.11	-0.000139	± 2.5	PASS
		VN	TN	-0.56	-0.000676	± 2.5	PASS
		VH	TN	-0.69	-0.000833	± 2.5	PASS
	MCH	VL	TN	-2.05	-0.002445	± 2.5	PASS
		VN	TN	-1.73	-0.002069	± 2.5	PASS
		VH	TN	-2.40	-0.002873	± 2.5	PASS
	HCH	VL	TN	-0.30	-0.000354	± 2.5	PASS
		VN	TN	0.43	0.000506	± 2.5	PASS
		VH	TN	-0.23	-0.000270	± 2.5	PASS
16QAM	LCH	VL	TN	-0.39	-0.000468	± 2.5	PASS
		VN	TN	-1.02	-0.001232	± 2.5	PASS
		VH	TN	-0.77	-0.000937	± 2.5	PASS
	MCH	VL	TN	-0.92	-0.001094	± 2.5	PASS
		VN	TN	-1.59	-0.001898	± 2.5	PASS
		VH	TN	-2.50	-0.002993	± 2.5	PASS
	HCH	VL	TN	-0.31	-0.000371	± 2.5	PASS
		VN	TN	-0.80	-0.000944	± 2.5	PASS
		VH	TN	-1.76	-0.002074	± 2.5	PASS
Temperature							
Modulation	Channe l	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.33	-0.001613	± 2.5	PASS
		VN	-20	-0.04	-0.000052	± 2.5	PASS
		VN	-10	-0.84	-0.001023	± 2.5	PASS
		VN	0	-1.34	-0.001631	± 2.5	PASS
		VN	10	-1.59	-0.001925	± 2.5	PASS
		VN	20	-0.04	-0.000052	± 2.5	PASS
		VN	30	-1.06	-0.001284	± 2.5	PASS
		VN	40	-1.24	-0.001509	± 2.5	PASS
		VN	50	-0.33	-0.000399	± 2.5	PASS
	MCH	VN	-30	-2.46	-0.002941	± 2.5	PASS
		VN	-20	-1.60	-0.001915	± 2.5	PASS
		VN	-10	-2.19	-0.002616	± 2.5	PASS
		VN	0	-2.23	-0.002668	± 2.5	PASS
		VN	10	-1.22	-0.001454	± 2.5	PASS
		VN	20	-2.33	-0.002787	± 2.5	PASS
		VN	30	-2.57	-0.003078	± 2.5	PASS

	HCH	VN	40	-1.95	-0.002326	$\pm 2.5$	PASS
		VN	50	-1.87	-0.002240	$\pm 2.5$	PASS
		VN	-30	-0.83	-0.000978	$\pm 2.5$	PASS
		VN	-20	-0.39	-0.000455	$\pm 2.5$	PASS
		VN	-10	-0.86	-0.001012	$\pm 2.5$	PASS
		VN	0	0.54	0.000641	$\pm 2.5$	PASS
		VN	10	-0.97	-0.001147	$\pm 2.5$	PASS
		VN	20	0.21	0.000253	$\pm 2.5$	PASS
		VN	30	-0.76	-0.000894	$\pm 2.5$	PASS
		VN	40	0.24	0.000287	$\pm 2.5$	PASS
		VN	50	0.14	0.000169	$\pm 2.5$	PASS
16QAM	LCH	VN	-30	-0.36	-0.000434	$\pm 2.5$	PASS
		VN	-20	0.27	0.000330	$\pm 2.5$	PASS
		VN	-10	-0.64	-0.000781	$\pm 2.5$	PASS
		VN	0	-1.96	-0.002376	$\pm 2.5$	PASS
		VN	10	0.67	0.000815	$\pm 2.5$	PASS
		VN	20	-1.16	-0.001405	$\pm 2.5$	PASS
		VN	30	-1.26	-0.001526	$\pm 2.5$	PASS
		VN	40	-2.10	-0.002550	$\pm 2.5$	PASS
		VN	50	-1.16	-0.001405	$\pm 2.5$	PASS
	MCH	VN	-30	-1.32	-0.001573	$\pm 2.5$	PASS
		VN	-20	-1.57	-0.001881	$\pm 2.5$	PASS
		VN	-10	-1.33	-0.001590	$\pm 2.5$	PASS
		VN	0	-2.20	-0.002634	$\pm 2.5$	PASS
		VN	10	-1.73	-0.002069	$\pm 2.5$	PASS
		VN	20	-0.80	-0.000958	$\pm 2.5$	PASS
		VN	30	-1.29	-0.001539	$\pm 2.5$	PASS
		VN	40	-1.36	-0.001625	$\pm 2.5$	PASS
		VN	50	-1.53	-0.001830	$\pm 2.5$	PASS
	HCH	VN	-30	-0.60	-0.000708	$\pm 2.5$	PASS
		VN	-20	-0.76	-0.000894	$\pm 2.5$	PASS
		VN	-10	-0.53	-0.000624	$\pm 2.5$	PASS
		VN	0	-0.63	-0.000742	$\pm 2.5$	PASS
		VN	10	-0.93	-0.001096	$\pm 2.5$	PASS
		VN	20	-1.65	-0.001939	$\pm 2.5$	PASS
		VN	30	0.29	0.000337	$\pm 2.5$	PASS
		VN	40	-0.86	-0.001012	$\pm 2.5$	PASS
		VN	50	-0.51	-0.000607	$\pm 2.5$	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	-0.43	-0.000520	$\pm 2.5$	PASS
		VN	TN	1.02	0.001230	$\pm 2.5$	PASS
		VH	TN	0.06	0.000069	$\pm 2.5$	PASS
	MCH	VL	TN	-1.10	-0.001317	$\pm 2.5$	PASS

	HCH	VN	TN	-1.17	-0.001402	$\pm 2.5$	PASS	
		VH	TN	-2.00	-0.002394	$\pm 2.5$	PASS	
		VL	TN	-0.36	-0.000422	$\pm 2.5$	PASS	
		VN	TN	-0.27	-0.000321	$\pm 2.5$	PASS	
		VH	TN	-0.31	-0.000371	$\pm 2.5$	PASS	
	LCH	VL	TN	0.90	0.001092	$\pm 2.5$	PASS	
16QAM		VN	TN	0.04	0.000052	$\pm 2.5$	PASS	
		VH	TN	0.51	0.000624	$\pm 2.5$	PASS	
MCH	VL	TN	-1.47	-0.001761	$\pm 2.5$	PASS		
	VN	TN	-1.26	-0.001505	$\pm 2.5$	PASS		
	VH	TN	-1.10	-0.001317	$\pm 2.5$	PASS		
HCH	VL	TN	-1.00	-0.001182	$\pm 2.5$	PASS		
	VN	TN	-0.24	-0.000287	$\pm 2.5$	PASS		
	VH	TN	0.41	0.000489	$\pm 2.5$	PASS		
	Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict	
QPSK	LCH	VN	-30	-0.94	-0.001144	$\pm 2.5$	PASS	
		VN	-20	0.29	0.000347	$\pm 2.5$	PASS	
		VN	-10	0.26	0.000312	$\pm 2.5$	PASS	
		VN	0	-0.09	-0.000104	$\pm 2.5$	PASS	
		VN	10	-0.79	-0.000953	$\pm 2.5$	PASS	
		VN	20	0.90	0.001092	$\pm 2.5$	PASS	
		VN	30	-0.94	-0.001144	$\pm 2.5$	PASS	
		VN	40	-0.24	-0.000295	$\pm 2.5$	PASS	
		VN	50	-0.77	-0.000936	$\pm 2.5$	PASS	
	MCH	VN	-30	-1.07	-0.001283	$\pm 2.5$	PASS	
		VN	-20	-0.51	-0.000616	$\pm 2.5$	PASS	
		VN	-10	-1.36	-0.001625	$\pm 2.5$	PASS	
		VN	0	-1.30	-0.001556	$\pm 2.5$	PASS	
		VN	10	-2.55	-0.003044	$\pm 2.5$	PASS	
		VN	20	-1.77	-0.002121	$\pm 2.5$	PASS	
		VN	30	-2.30	-0.002753	$\pm 2.5$	PASS	
		VN	40	-0.47	-0.000564	$\pm 2.5$	PASS	
		VN	50	-2.02	-0.002411	$\pm 2.5$	PASS	
	HCH	VN	-30	-0.30	-0.000354	$\pm 2.5$	PASS	
		VN	-20	-1.49	-0.001755	$\pm 2.5$	PASS	
		VN	-10	-0.79	-0.000928	$\pm 2.5$	PASS	
		VN	0	-0.66	-0.000776	$\pm 2.5$	PASS	
		VN	10	-0.82	-0.000962	$\pm 2.5$	PASS	
		VN	20	-1.36	-0.001604	$\pm 2.5$	PASS	
		VN	30	-1.36	-0.001604	$\pm 2.5$	PASS	
		VN	40	-0.44	-0.000523	$\pm 2.5$	PASS	
		VN	50	-0.54	-0.000641	$\pm 2.5$	PASS	
QPSK	LCH	VN	-30	1.06	0.001282	$\pm 2.5$	PASS	
		VN	-20	0.39	0.000468	$\pm 2.5$	PASS	
		VN	-10	-0.51	-0.000624	$\pm 2.5$	PASS	
		VN	0	-0.06	-0.000069	$\pm 2.5$	PASS	
		VN	10	-1.47	-0.001785	$\pm 2.5$	PASS	
		VN	20	-0.43	-0.000520	$\pm 2.5$	PASS	

	MCH	VN	30	-0.10	-0.000121	$\pm 2.5$	PASS
		VN	40	-0.50	-0.000607	$\pm 2.5$	PASS
		VN	50	0.54	0.000659	$\pm 2.5$	PASS
		VN	-30	-1.30	-0.001556	$\pm 2.5$	PASS
		VN	-20	-1.46	-0.001744	$\pm 2.5$	PASS
		VN	-10	-1.65	-0.001967	$\pm 2.5$	PASS
		VN	0	-1.66	-0.001984	$\pm 2.5$	PASS
		VN	10	-0.77	-0.000923	$\pm 2.5$	PASS
		VN	20	-1.67	-0.002001	$\pm 2.5$	PASS
		VN	30	-2.60	-0.003112	$\pm 2.5$	PASS
	HCH	VN	40	-1.65	-0.001967	$\pm 2.5$	PASS
		VN	50	-0.79	-0.000941	$\pm 2.5$	PASS
		VN	-30	-1.90	-0.002245	$\pm 2.5$	PASS
		VN	-20	0.43	0.000506	$\pm 2.5$	PASS
		VN	-10	-0.23	-0.000270	$\pm 2.5$	PASS
		VN	0	-0.89	-0.001047	$\pm 2.5$	PASS
		VN	10	-1.87	-0.002211	$\pm 2.5$	PASS
		VN	20	-0.49	-0.000574	$\pm 2.5$	PASS
		VN	30	0.96	0.001131	$\pm 2.5$	PASS
		VN	40	-0.09	-0.000101	$\pm 2.5$	PASS
		VN	50	-1.70	-0.002009	$\pm 2.5$	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	-1.22	-0.001471	$\pm 2.5$	PASS
		VN	TN	0.14	0.000173	$\pm 2.5$	PASS
		VH	TN	-1.04	-0.001263	$\pm 2.5$	PASS
	MCH	VL	TN	-1.54	-0.001847	$\pm 2.5$	PASS
		VN	TN	-2.83	-0.003386	$\pm 2.5$	PASS
		VH	TN	-2.09	-0.002497	$\pm 2.5$	PASS
	HCH	VL	TN	-0.33	-0.000389	$\pm 2.5$	PASS
		VN	TN	-0.40	-0.000473	$\pm 2.5$	PASS
		VH	TN	-0.51	-0.000608	$\pm 2.5$	PASS
16QAM	LCH	VL	TN	-1.22	-0.001471	$\pm 2.5$	PASS
		VN	TN	0.10	0.000121	$\pm 2.5$	PASS
		VH	TN	0.70	0.000848	$\pm 2.5$	PASS
	MCH	VL	TN	-0.27	-0.000325	$\pm 2.5$	PASS
		VN	TN	-2.95	-0.003523	$\pm 2.5$	PASS
		VH	TN	-1.95	-0.002326	$\pm 2.5$	PASS
	HCH	VL	TN	-0.50	-0.000591	$\pm 2.5$	PASS
		VN	TN	0.86	0.001014	$\pm 2.5$	PASS
		VH	TN	0.44	0.000524	$\pm 2.5$	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict

	QPSK	LCH	VN	-30	-0.31	-0.000381	$\pm 2.5$	PASS
			VN	-20	-0.83	-0.001004	$\pm 2.5$	PASS
			VN	-10	0.13	0.000156	$\pm 2.5$	PASS
			VN	0	-0.41	-0.000502	$\pm 2.5$	PASS
			VN	10	0.17	0.000208	$\pm 2.5$	PASS
			VN	20	-0.10	-0.000121	$\pm 2.5$	PASS
			VN	30	-0.11	-0.000138	$\pm 2.5$	PASS
			VN	40	-0.19	-0.000225	$\pm 2.5$	PASS
			VN	50	-0.13	-0.000156	$\pm 2.5$	PASS
		MCH	VN	-30	-2.06	-0.002463	$\pm 2.5$	PASS
			VN	-20	-1.39	-0.001659	$\pm 2.5$	PASS
			VN	-10	-0.62	-0.000735	$\pm 2.5$	PASS
			VN	0	-2.66	-0.003181	$\pm 2.5$	PASS
			VN	10	-0.89	-0.001060	$\pm 2.5$	PASS
			VN	20	-2.93	-0.003506	$\pm 2.5$	PASS
			VN	30	-1.85	-0.002206	$\pm 2.5$	PASS
			VN	40	-1.62	-0.001932	$\pm 2.5$	PASS
			VN	50	-1.60	-0.001915	$\pm 2.5$	PASS
		HCH	VN	-30	0.14	0.000169	$\pm 2.5$	PASS
			VN	-20	-1.06	-0.001251	$\pm 2.5$	PASS
			VN	-10	0.01	0.000017	$\pm 2.5$	PASS
			VN	0	0.23	0.000270	$\pm 2.5$	PASS
			VN	10	0.62	0.000727	$\pm 2.5$	PASS
			VN	20	-0.73	-0.000862	$\pm 2.5$	PASS
			VN	30	-0.54	-0.000642	$\pm 2.5$	PASS
			VN	40	-0.11	-0.000135	$\pm 2.5$	PASS
			VN	50	-1.20	-0.001420	$\pm 2.5$	PASS
		LCH	VN	-30	-0.70	-0.000848	$\pm 2.5$	PASS
			VN	-20	-1.54	-0.001869	$\pm 2.5$	PASS
			VN	-10	-1.82	-0.002198	$\pm 2.5$	PASS
			VN	0	0.09	0.000104	$\pm 2.5$	PASS
			VN	10	-0.27	-0.000329	$\pm 2.5$	PASS
			VN	20	-0.33	-0.000398	$\pm 2.5$	PASS
			VN	30	-1.02	-0.001229	$\pm 2.5$	PASS
			VN	40	0.13	0.000156	$\pm 2.5$	PASS
			VN	50	-0.84	-0.001021	$\pm 2.5$	PASS
		MCH	VN	-30	-0.70	-0.000838	$\pm 2.5$	PASS
			VN	-20	-1.79	-0.002138	$\pm 2.5$	PASS
			VN	-10	-2.09	-0.002497	$\pm 2.5$	PASS
			VN	0	-1.83	-0.002189	$\pm 2.5$	PASS
			VN	10	-1.39	-0.001659	$\pm 2.5$	PASS
			VN	20	-1.09	-0.001300	$\pm 2.5$	PASS
			VN	30	-1.43	-0.001710	$\pm 2.5$	PASS
			VN	40	-1.56	-0.001864	$\pm 2.5$	PASS
			VN	50	-1.19	-0.001419	$\pm 2.5$	PASS
		HCH	VN	-30	-0.03	-0.000034	$\pm 2.5$	PASS
			VN	-20	-0.47	-0.000558	$\pm 2.5$	PASS
			VN	-10	0.31	0.000372	$\pm 2.5$	PASS
			VN	0	0.43	0.000507	$\pm 2.5$	PASS
			VN	10	0.31	0.000372	$\pm 2.5$	PASS

		VN	20	0.14	0.000169	$\pm 2.5$	PASS
		VN	30	0.00	0.000000	$\pm 2.5$	PASS
		VN	40	-0.41	-0.000490	$\pm 2.5$	PASS
		VN	50	1.03	0.001217	$\pm 2.5$	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	-0.96	-0.001156	$\pm 2.5$	PASS
		VN	TN	-0.51	-0.000621	$\pm 2.5$	PASS
		VH	TN	-0.77	-0.000932	$\pm 2.5$	PASS
	MCH	VL	TN	-2.17	-0.002599	$\pm 2.5$	PASS
		VN	TN	-1.52	-0.001813	$\pm 2.5$	PASS
		VH	TN	-0.70	-0.000838	$\pm 2.5$	PASS
	HCH	VL	TN	-2.00	-0.002373	$\pm 2.5$	PASS
		VN	TN	-2.17	-0.002576	$\pm 2.5$	PASS
		VH	TN	-2.40	-0.002847	$\pm 2.5$	PASS
16QAM	LCH	VL	TN	-1.22	-0.001467	$\pm 2.5$	PASS
		VN	TN	-1.90	-0.002295	$\pm 2.5$	PASS
		VH	TN	0.13	0.000155	$\pm 2.5$	PASS
	MCH	VL	TN	-1.39	-0.001659	$\pm 2.5$	PASS
		VN	TN	-2.78	-0.003318	$\pm 2.5$	PASS
		VH	TN	-2.55	-0.003044	$\pm 2.5$	PASS
	HCH	VL	TN	-1.46	-0.001729	$\pm 2.5$	PASS
		VN	TN	-2.19	-0.002593	$\pm 2.5$	PASS
		VH	TN	-1.76	-0.002085	$\pm 2.5$	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	-2.45	-0.002951	$\pm 2.5$	PASS
		VN	-20	-2.25	-0.002709	$\pm 2.5$	PASS
		VN	-10	-2.50	-0.003020	$\pm 2.5$	PASS
		VN	0	-1.95	-0.002347	$\pm 2.5$	PASS
		VN	10	-1.82	-0.002191	$\pm 2.5$	PASS
		VN	20	-1.97	-0.002381	$\pm 2.5$	PASS
		VN	30	-1.22	-0.001467	$\pm 2.5$	PASS
		VN	40	-1.02	-0.001225	$\pm 2.5$	PASS
		VN	50	-2.46	-0.002968	$\pm 2.5$	PASS
	MCH	VN	-30	-2.06	-0.002463	$\pm 2.5$	PASS
		VN	-20	-1.30	-0.001556	$\pm 2.5$	PASS
		VN	-10	-1.12	-0.001334	$\pm 2.5$	PASS
		VN	0	-0.80	-0.000958	$\pm 2.5$	PASS
		VN	10	-1.66	-0.001984	$\pm 2.5$	PASS
		VN	20	-1.80	-0.002155	$\pm 2.5$	PASS
		VN	30	-2.19	-0.002616	$\pm 2.5$	PASS
		VN	40	-1.92	-0.002292	$\pm 2.5$	PASS

	HCH	VN	50	-1.86	-0.002223	$\pm 2.5$	PASS
		VN	-30	-1.86	-0.002203	$\pm 2.5$	PASS
		VN	-20	-0.63	-0.000746	$\pm 2.5$	PASS
		VN	-10	-1.30	-0.001542	$\pm 2.5$	PASS
		VN	0	-2.02	-0.002390	$\pm 2.5$	PASS
		VN	10	-1.34	-0.001593	$\pm 2.5$	PASS
		VN	20	-0.43	-0.000508	$\pm 2.5$	PASS
		VN	30	-1.89	-0.002237	$\pm 2.5$	PASS
		VN	40	-2.47	-0.002932	$\pm 2.5$	PASS
		VN	50	-2.02	-0.002390	$\pm 2.5$	PASS
	LCH	VN	-30	-2.37	-0.002864	$\pm 2.5$	PASS
		VN	-20	-0.76	-0.000915	$\pm 2.5$	PASS
		VN	-10	-1.60	-0.001933	$\pm 2.5$	PASS
		VN	0	-0.93	-0.001122	$\pm 2.5$	PASS
		VN	10	-1.80	-0.002174	$\pm 2.5$	PASS
		VN	20	-2.27	-0.002744	$\pm 2.5$	PASS
		VN	30	-0.76	-0.000915	$\pm 2.5$	PASS
		VN	40	-1.90	-0.002295	$\pm 2.5$	PASS
		VN	50	-0.92	-0.001104	$\pm 2.5$	PASS
		VN	-30	-2.37	-0.002839	$\pm 2.5$	PASS
	MCH	VN	-20	-2.26	-0.002702	$\pm 2.5$	PASS
		VN	-10	-2.02	-0.002411	$\pm 2.5$	PASS
		VN	0	-0.41	-0.000496	$\pm 2.5$	PASS
		VN	10	-2.17	-0.002599	$\pm 2.5$	PASS
		VN	20	-1.30	-0.001556	$\pm 2.5$	PASS
		VN	30	-1.32	-0.001573	$\pm 2.5$	PASS
		VN	40	-2.19	-0.002616	$\pm 2.5$	PASS
		VN	50	-1.30	-0.001556	$\pm 2.5$	PASS
		VN	-30	-1.24	-0.001475	$\pm 2.5$	PASS
		VN	-20	-1.80	-0.002136	$\pm 2.5$	PASS
	HCH	VN	-10	-2.53	-0.003000	$\pm 2.5$	PASS
		VN	0	-2.70	-0.003203	$\pm 2.5$	PASS
		VN	10	-1.49	-0.001763	$\pm 2.5$	PASS
		VN	20	-2.27	-0.002695	$\pm 2.5$	PASS
		VN	30	-2.75	-0.003254	$\pm 2.5$	PASS
		VN	40	-1.17	-0.001390	$\pm 2.5$	PASS
		VN	50	-0.92	-0.001085	$\pm 2.5$	PASS