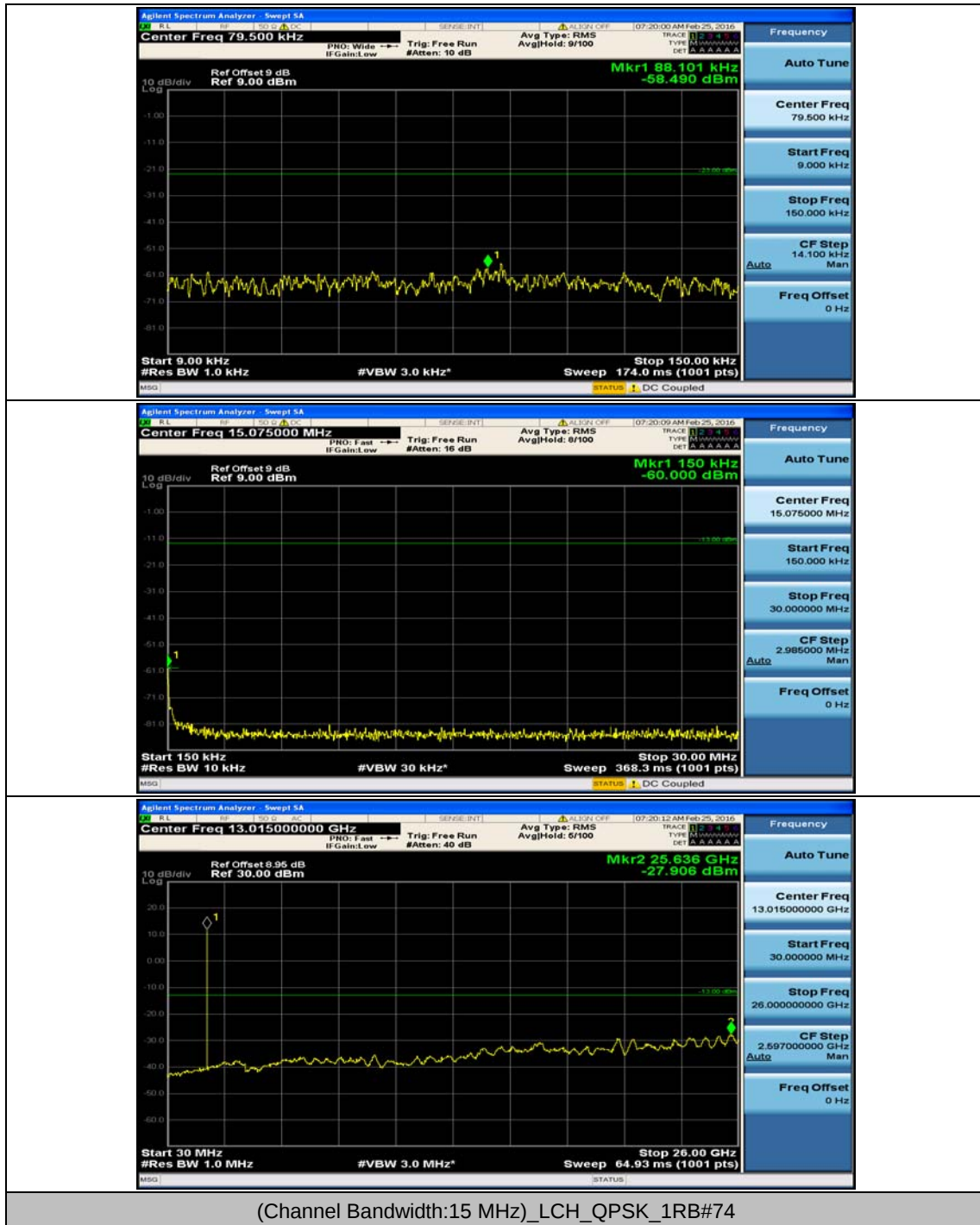
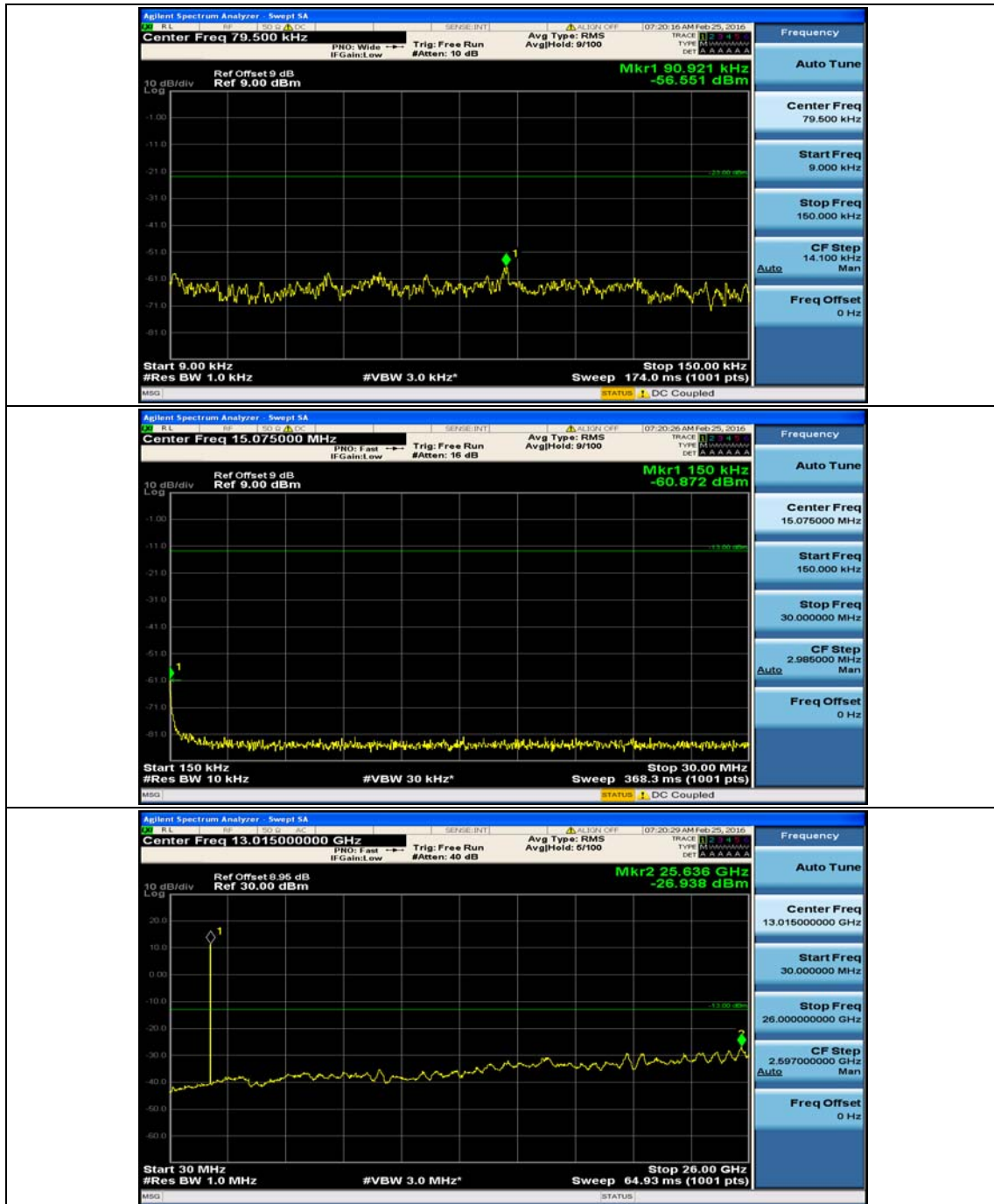
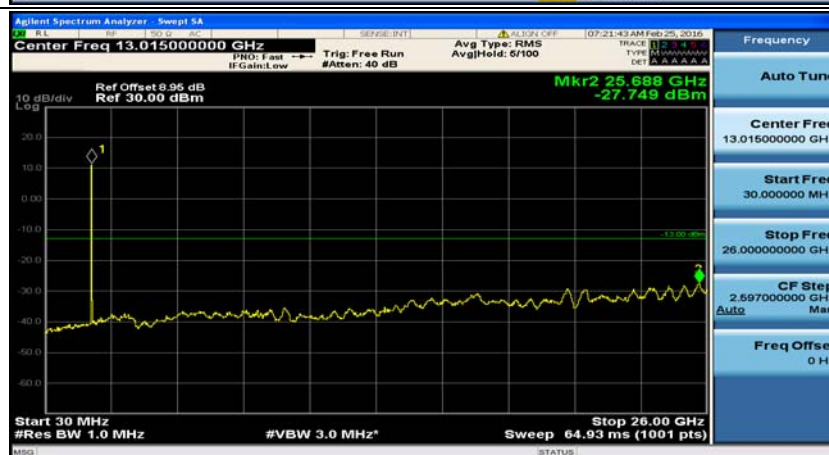
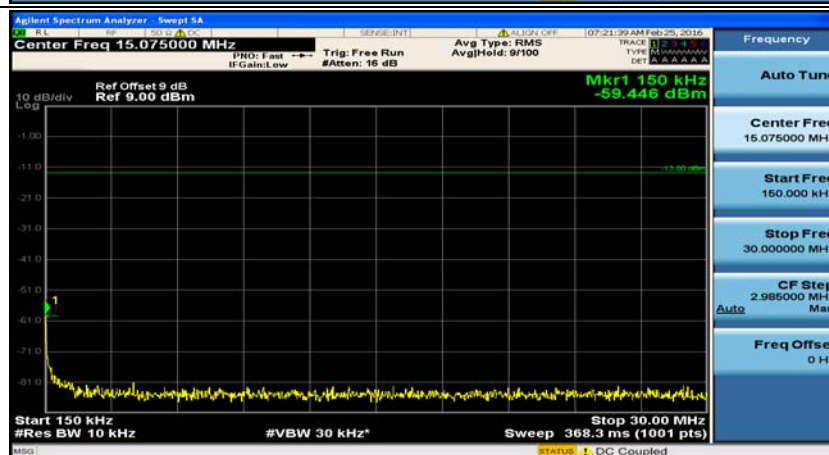
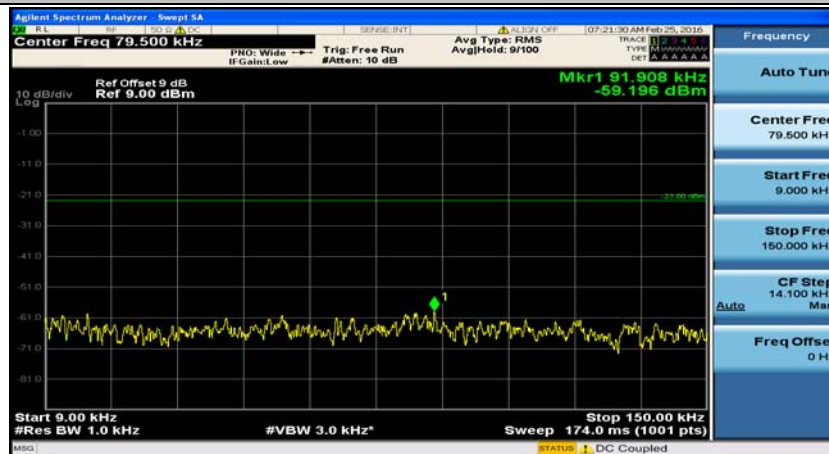


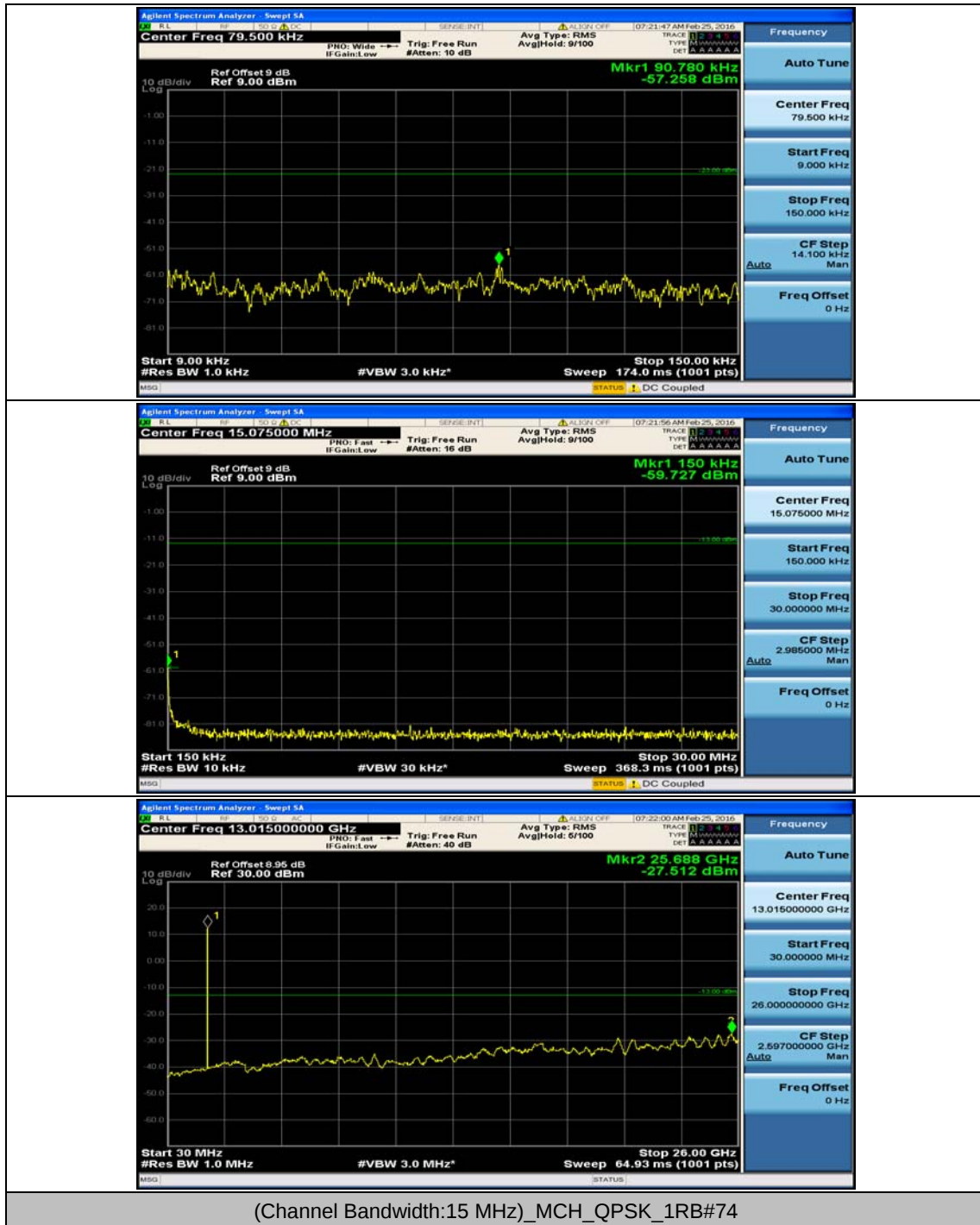


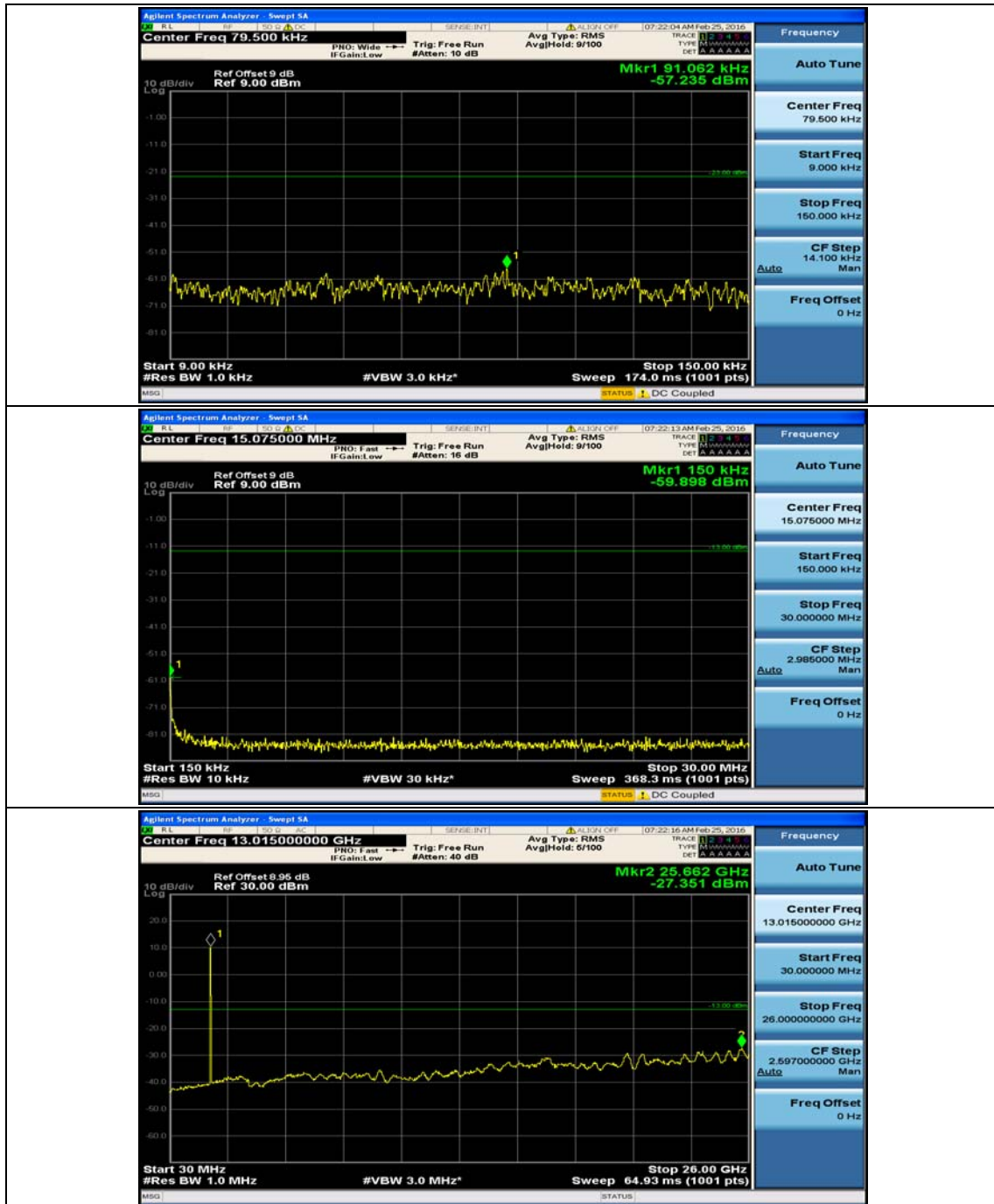


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

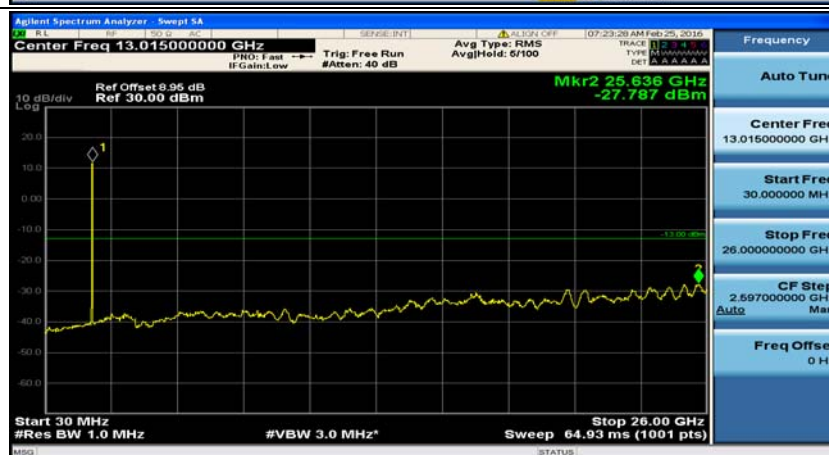
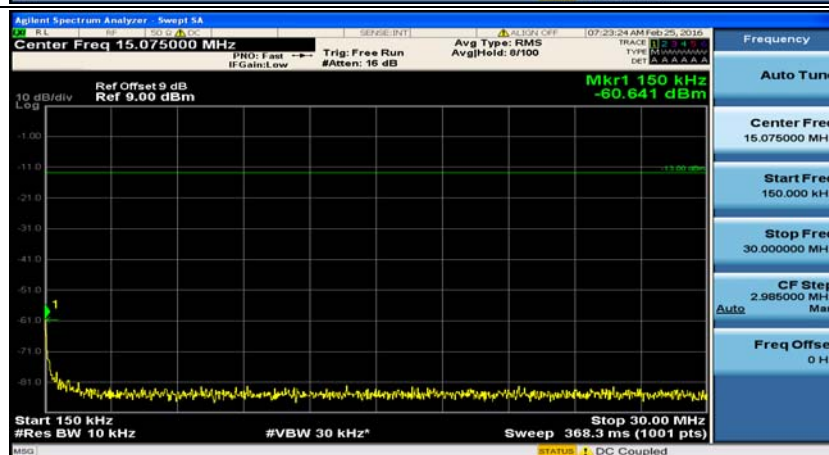
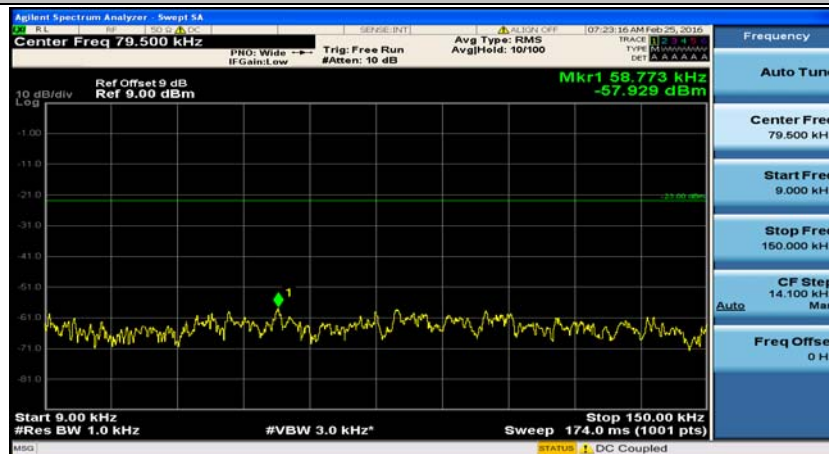


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

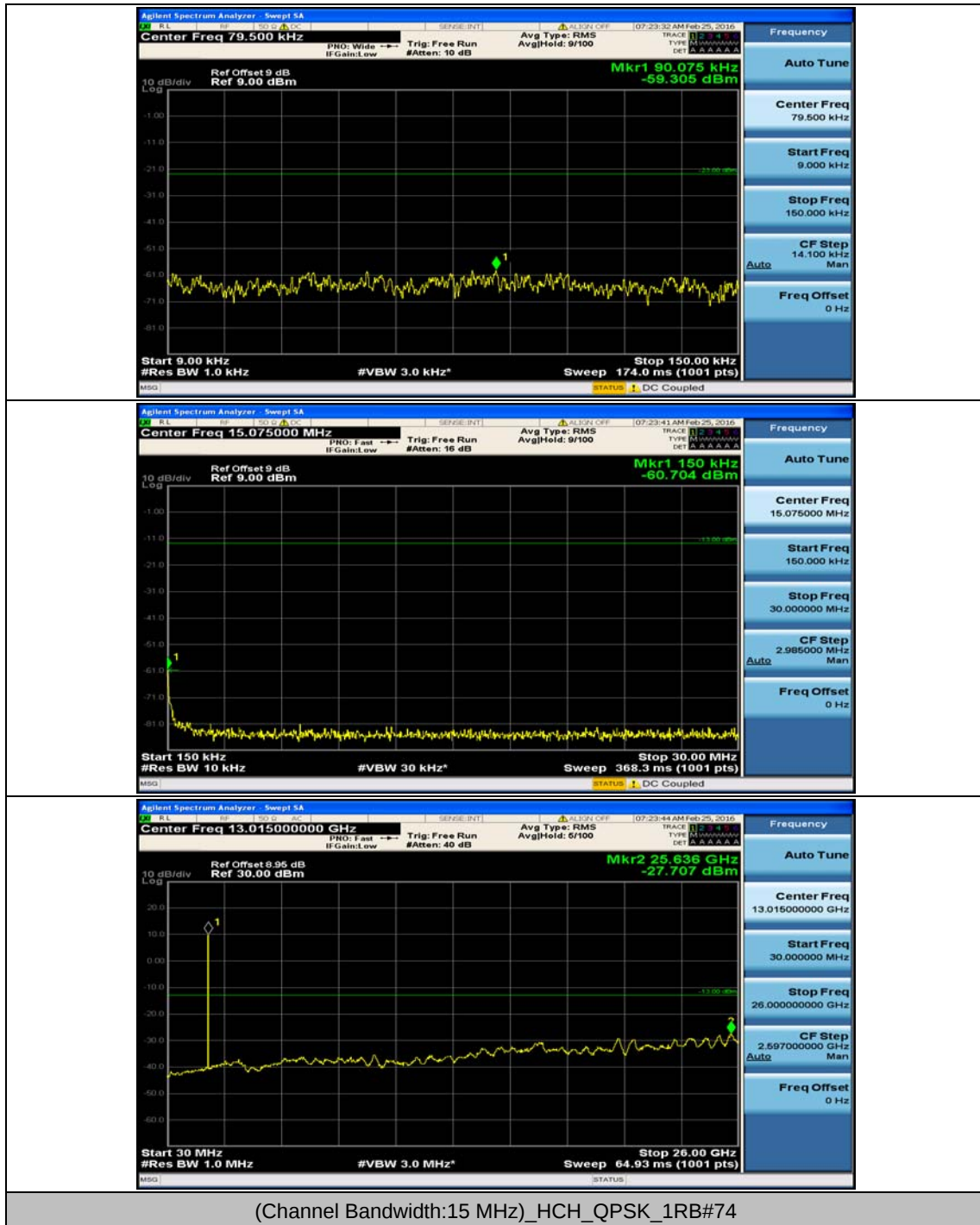


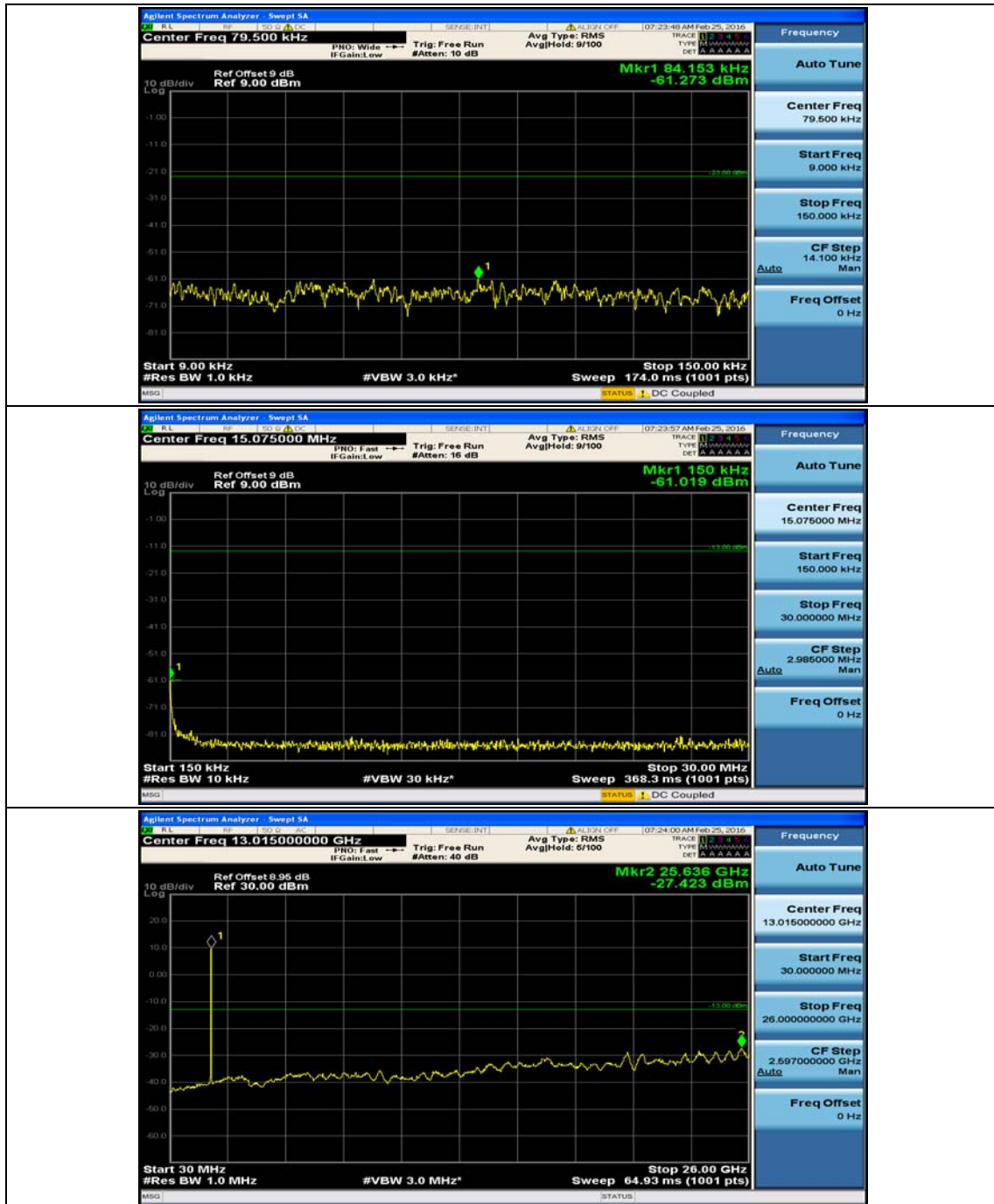


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

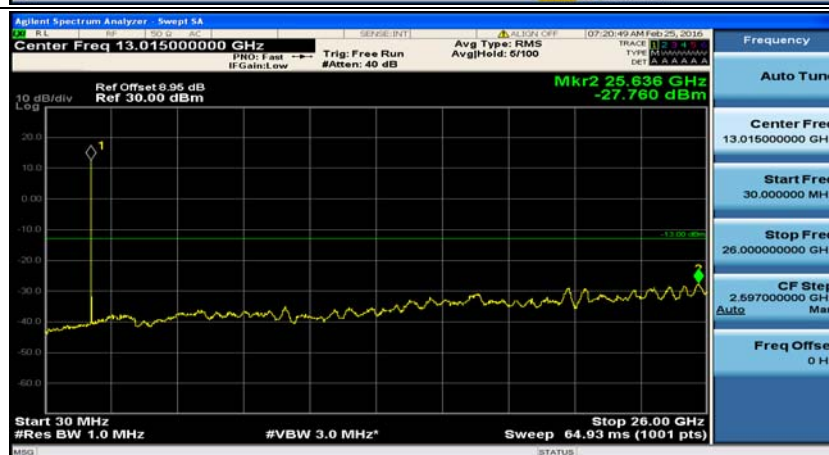
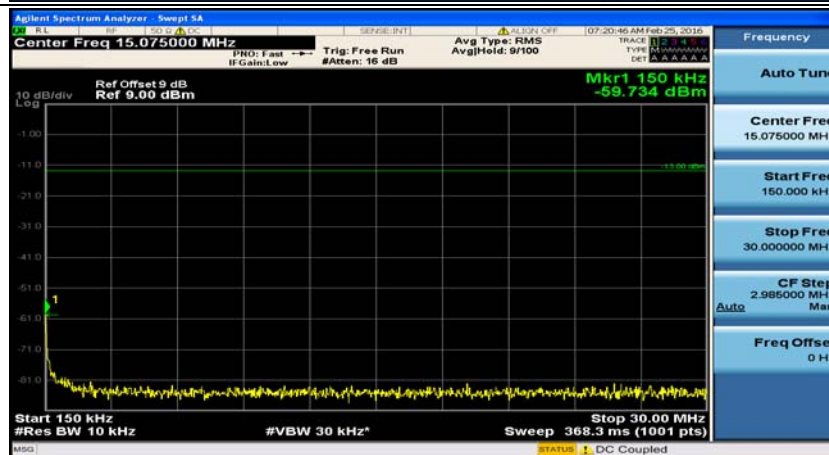
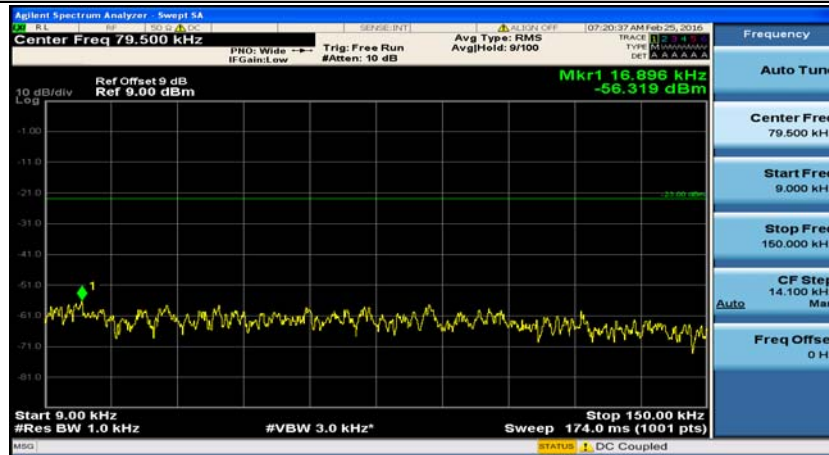


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

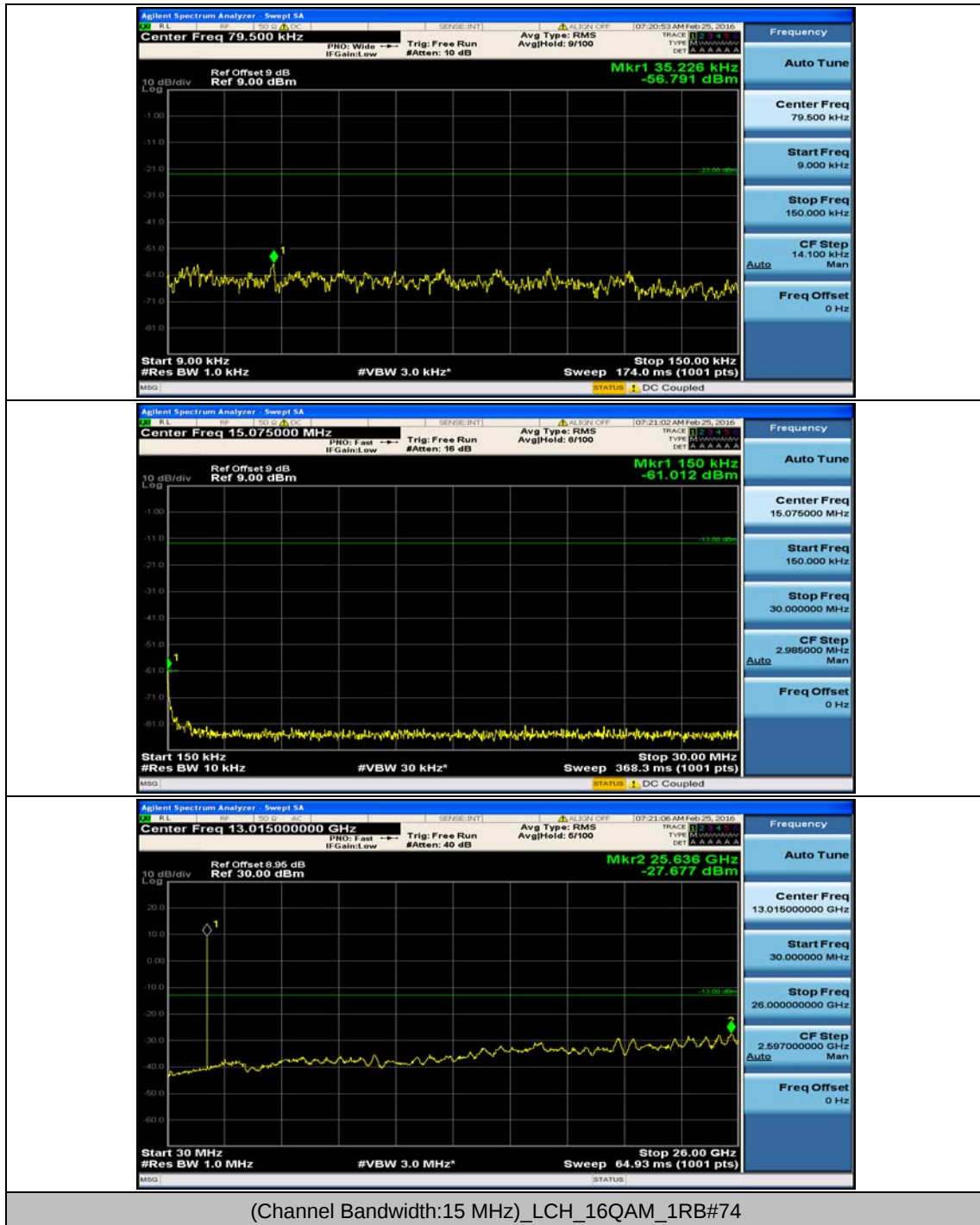


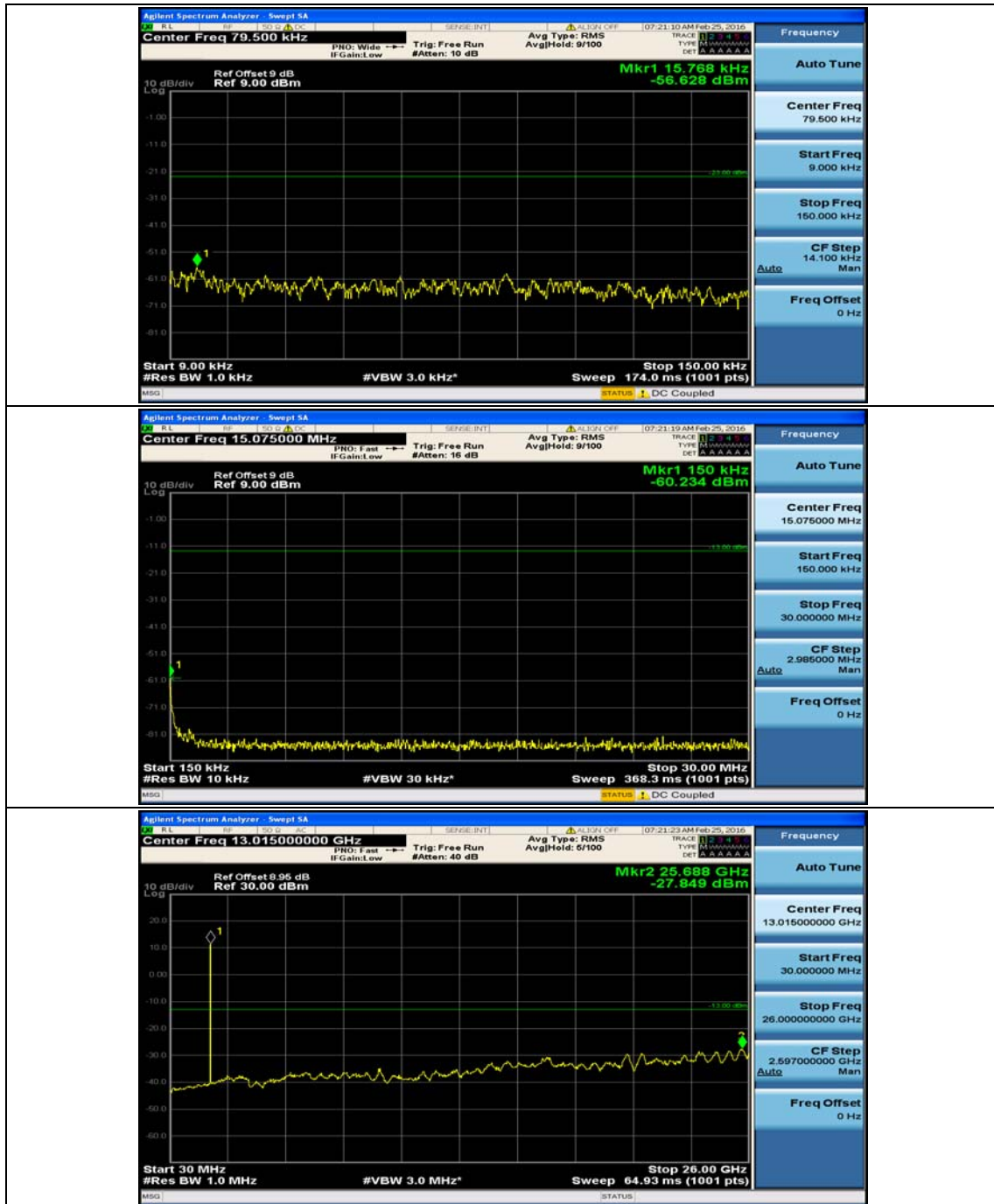


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

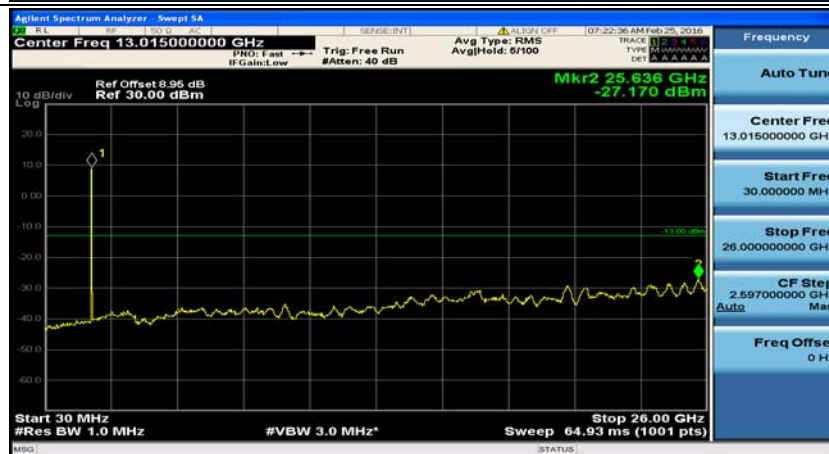


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

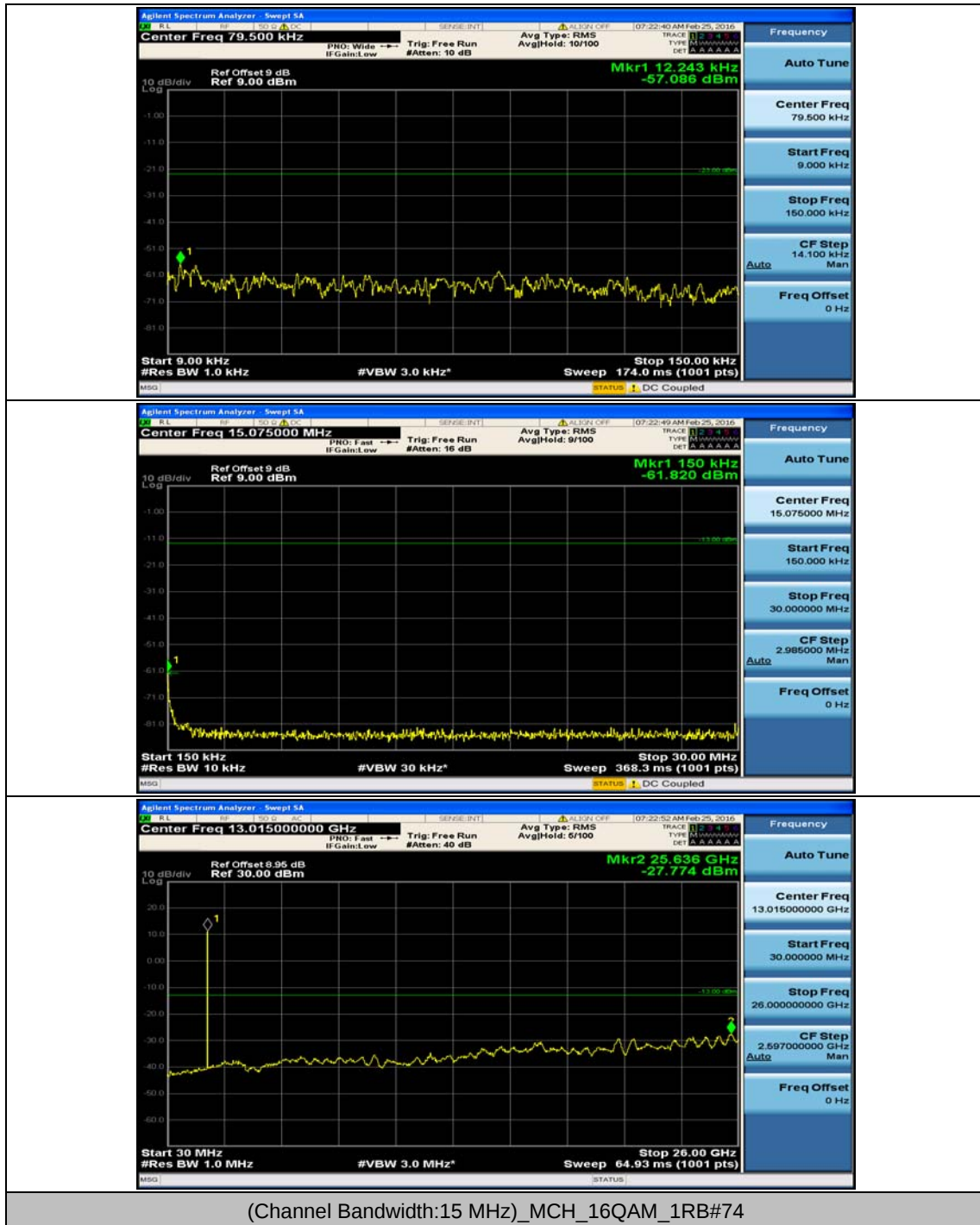


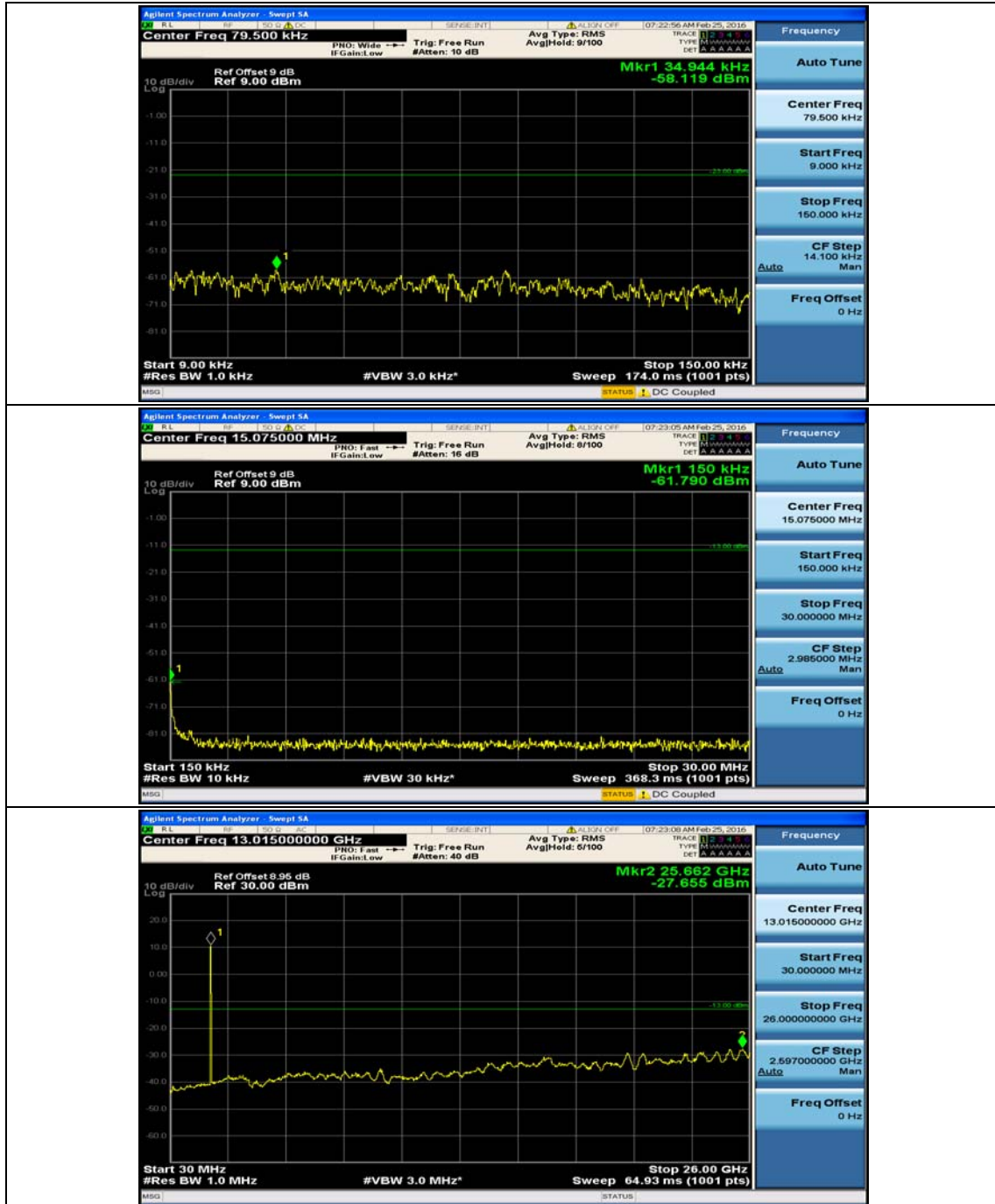


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

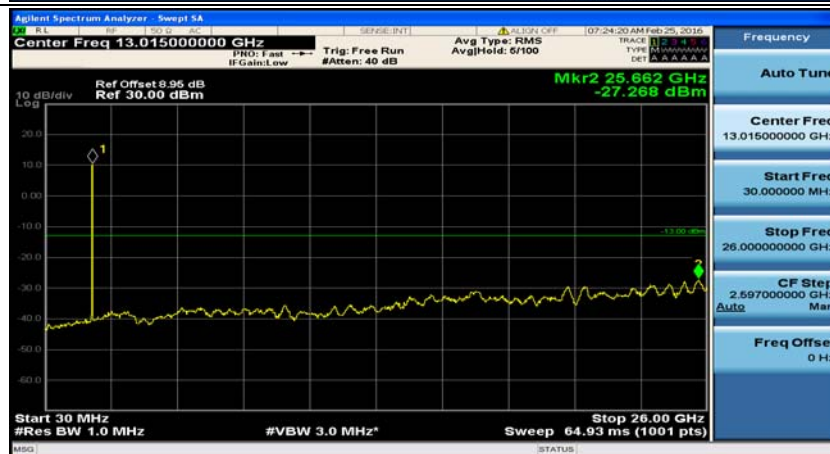
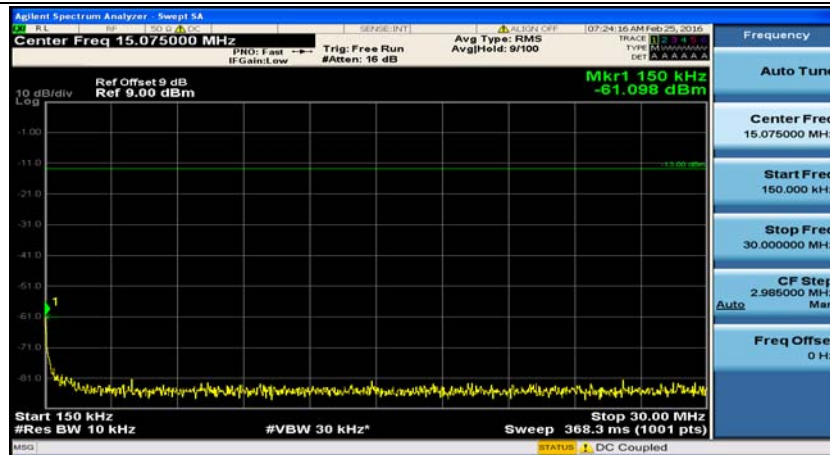


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

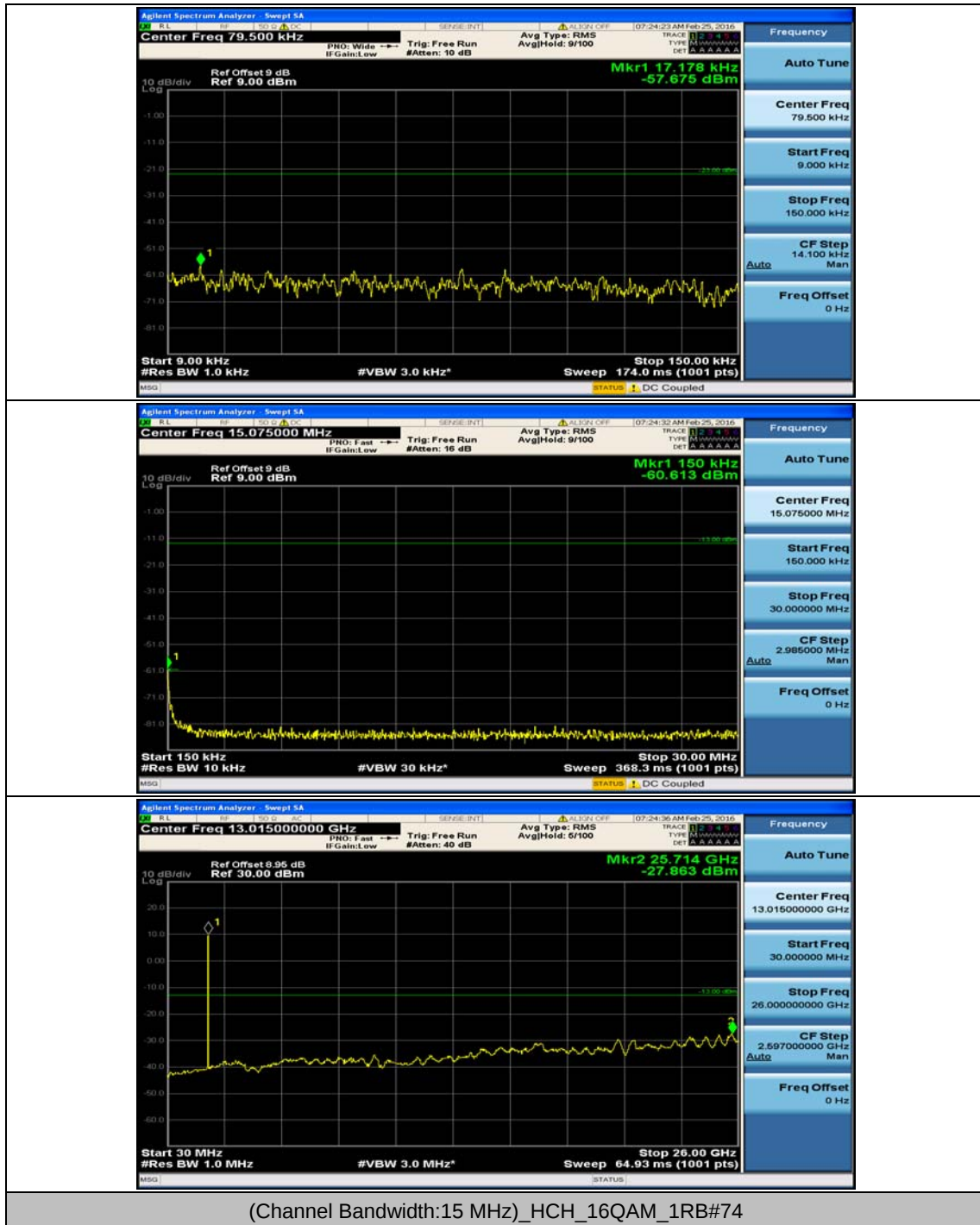


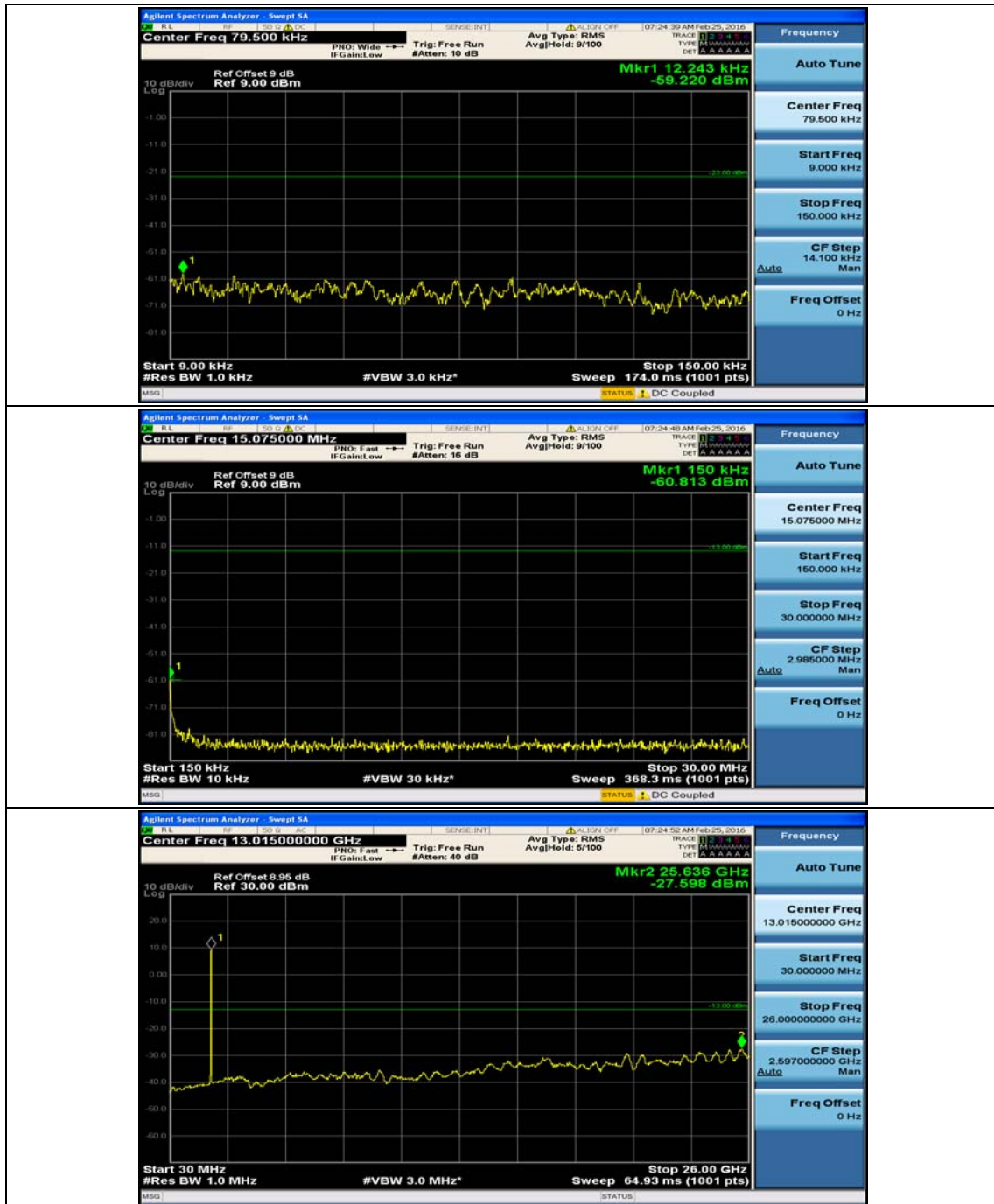


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

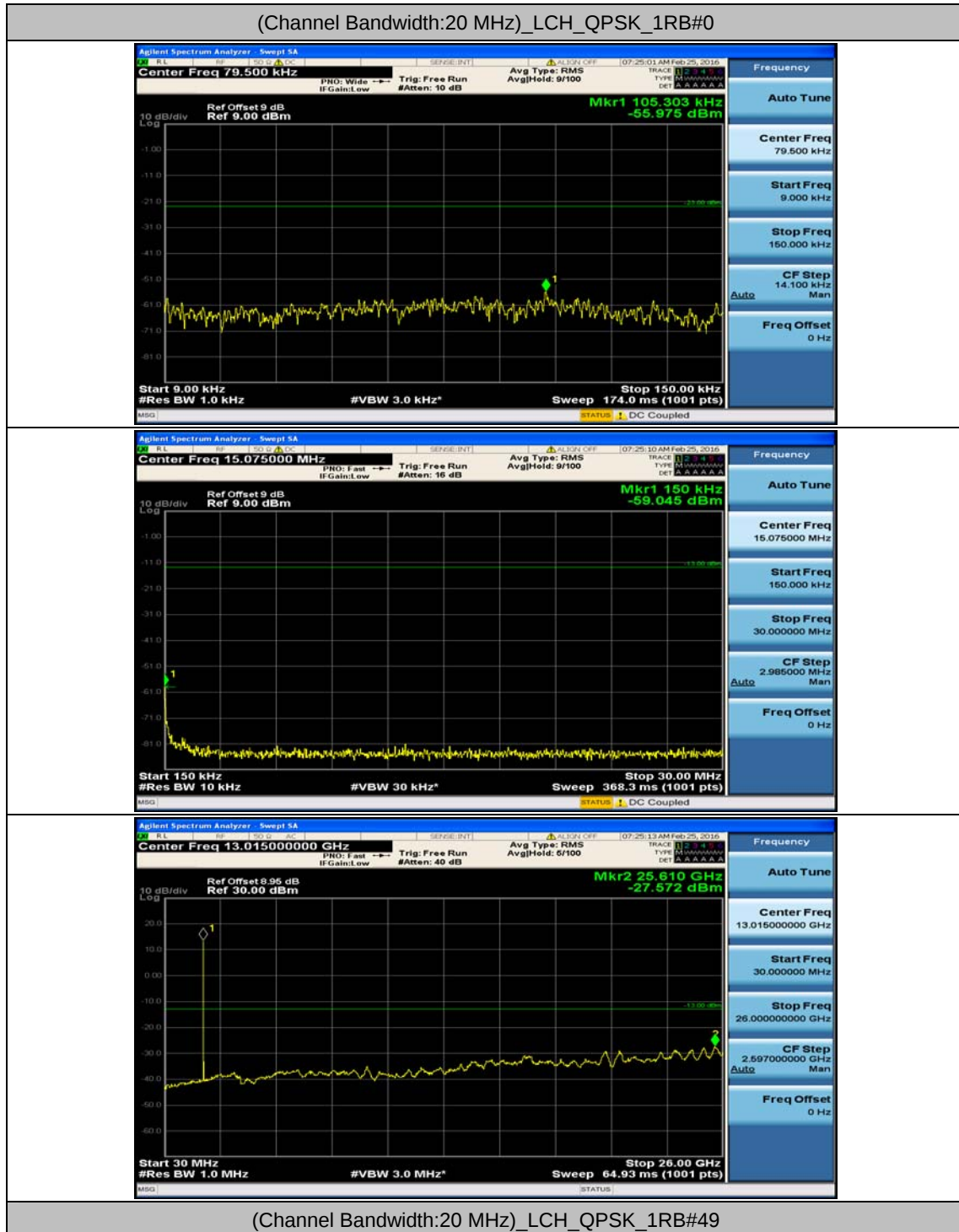


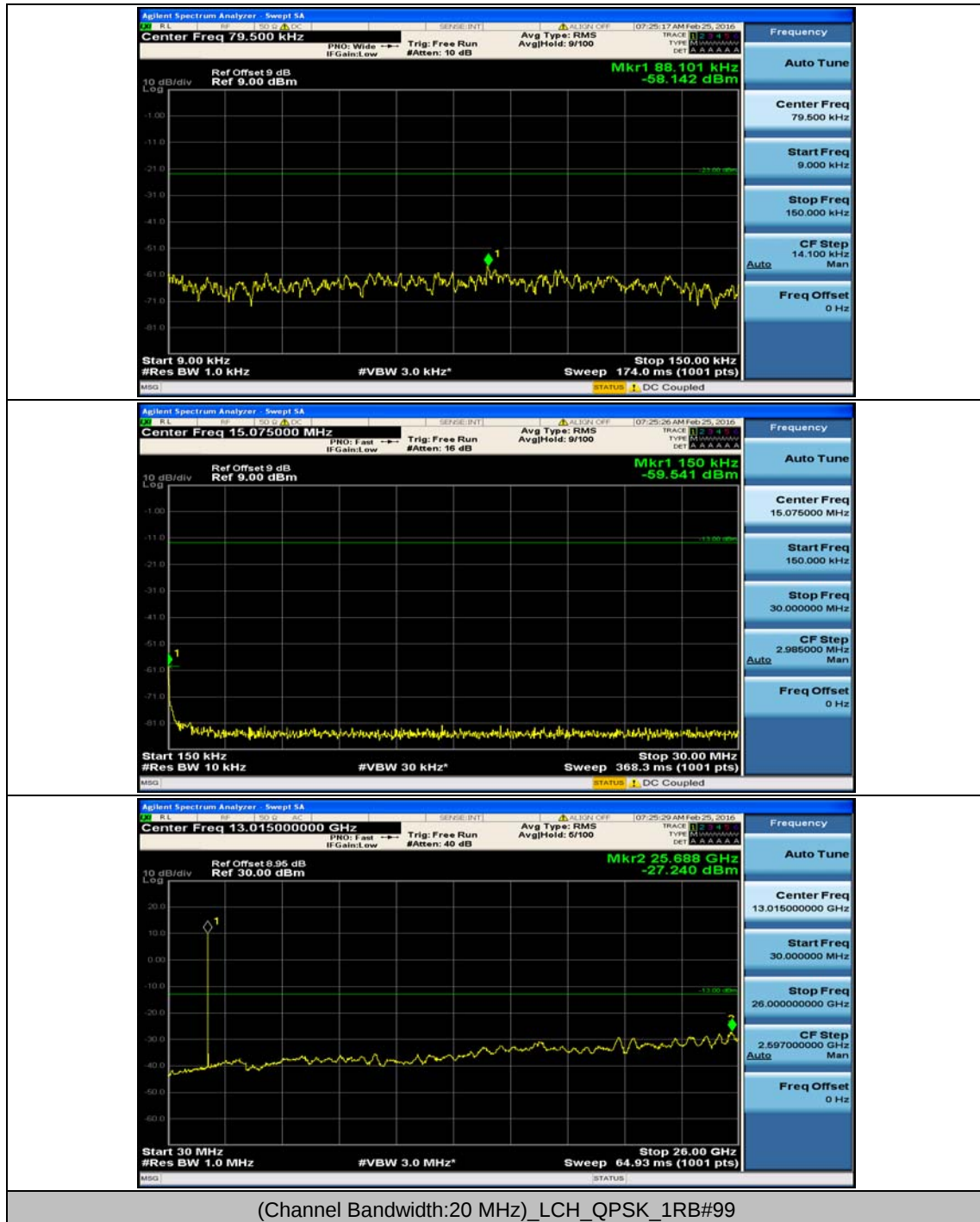
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

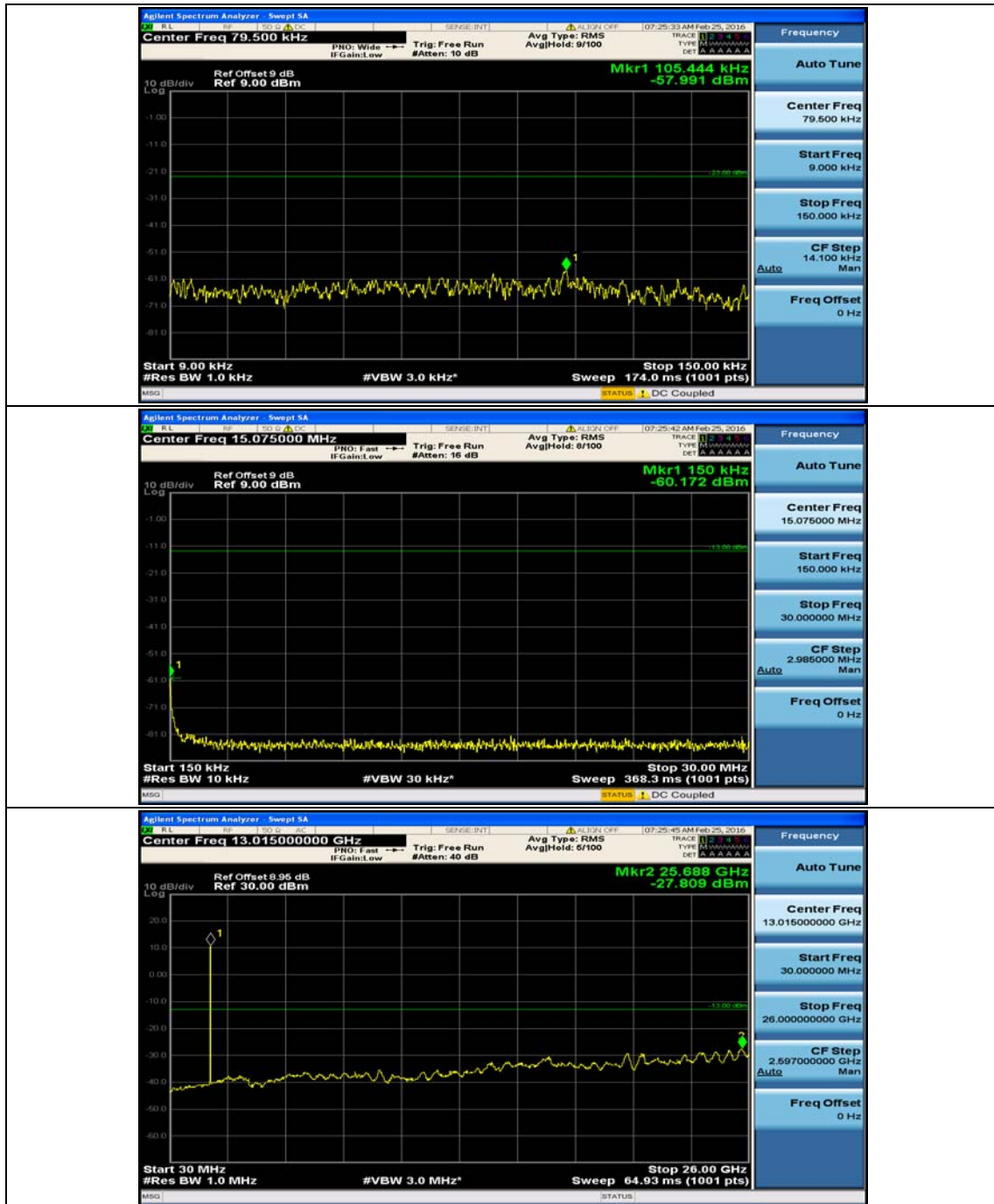




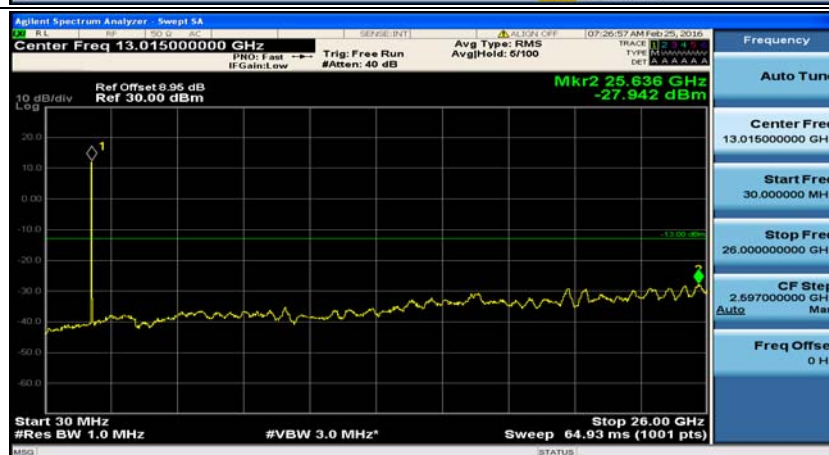
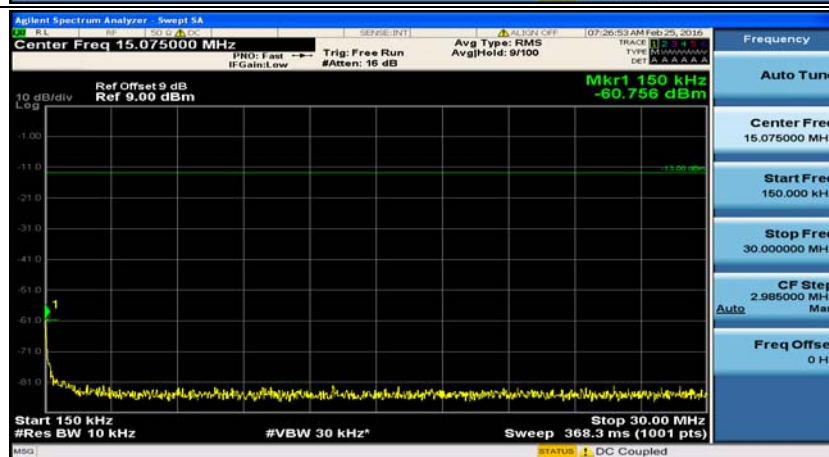
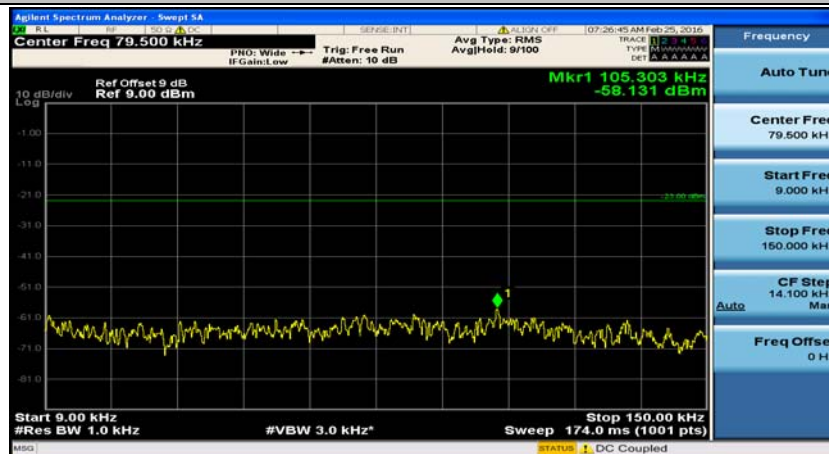
Channel Bandwidth: 20 MHz



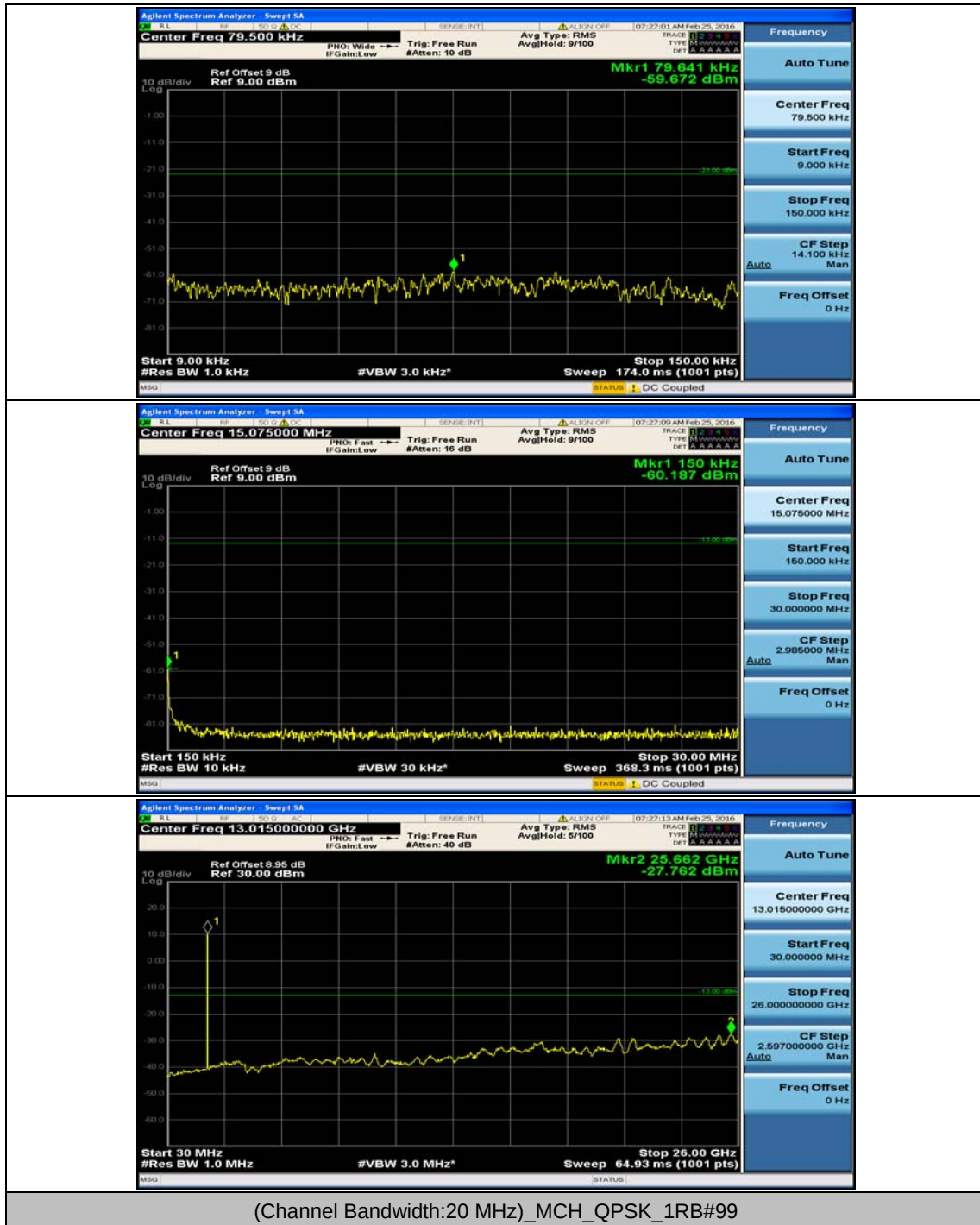


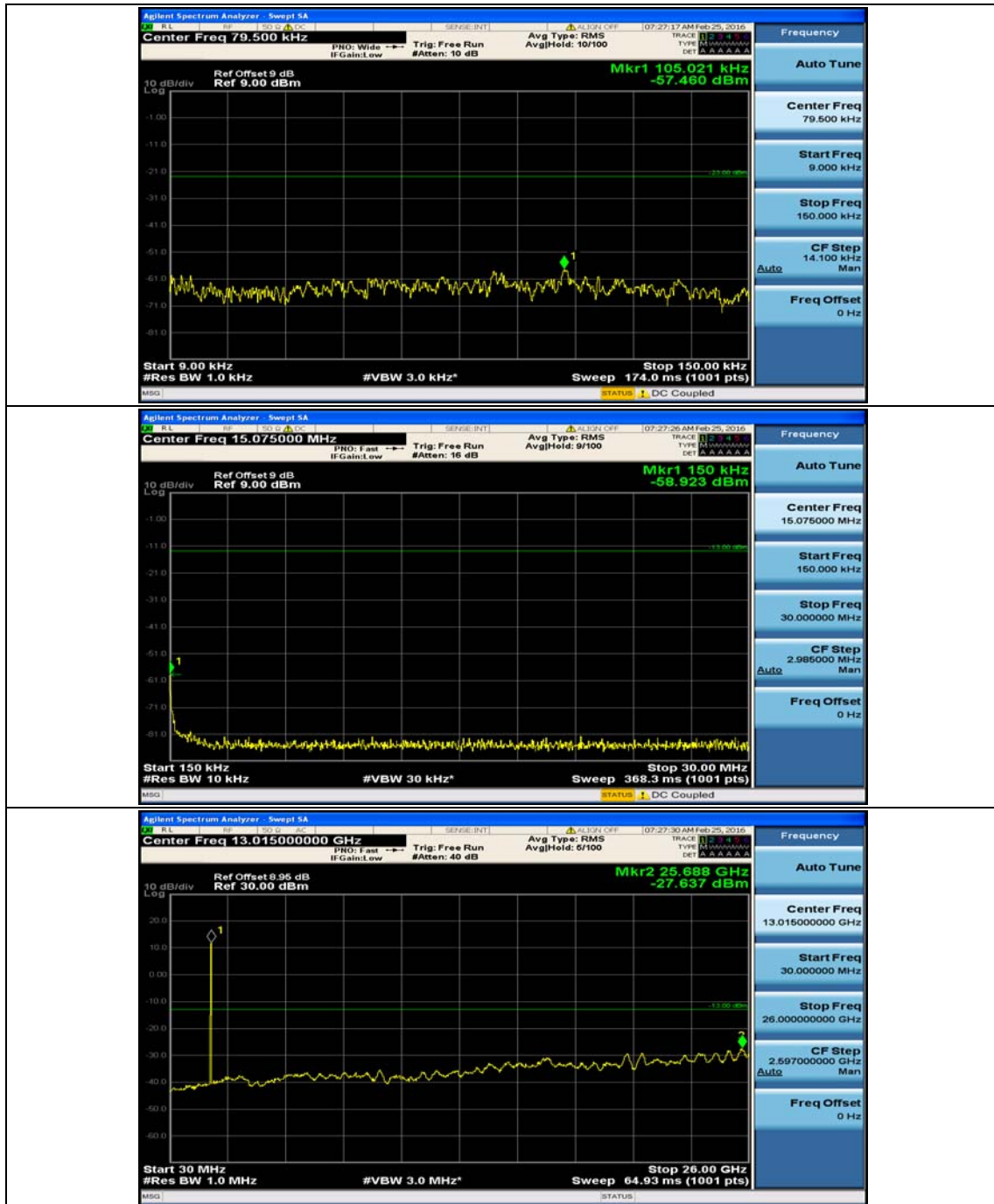


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

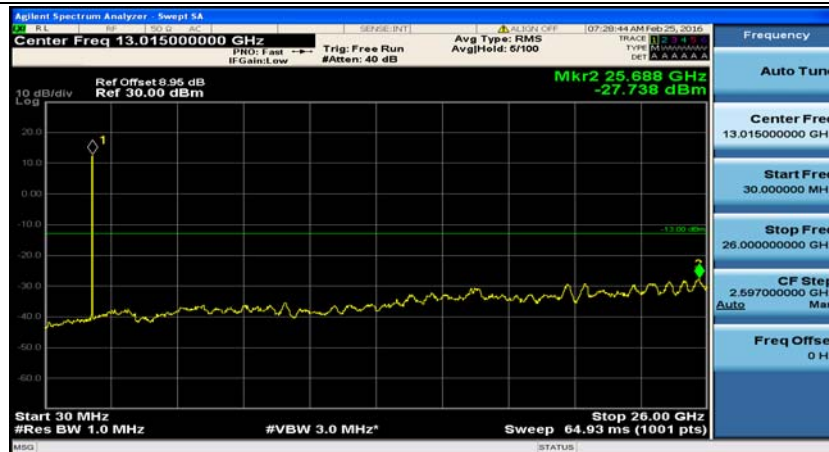
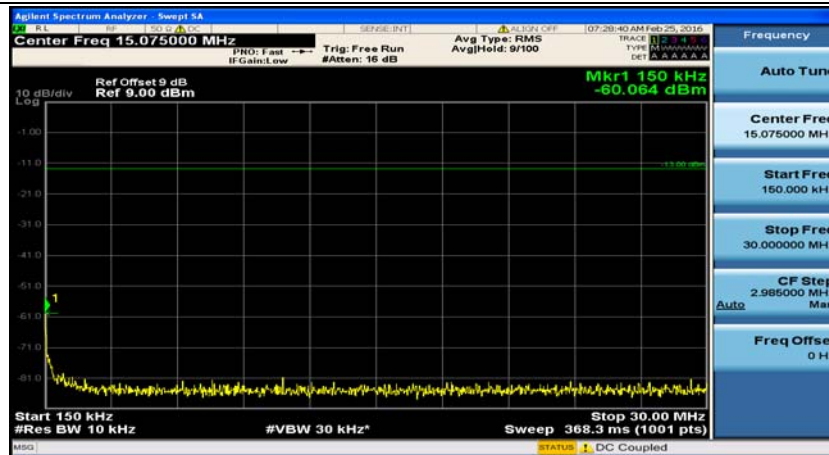
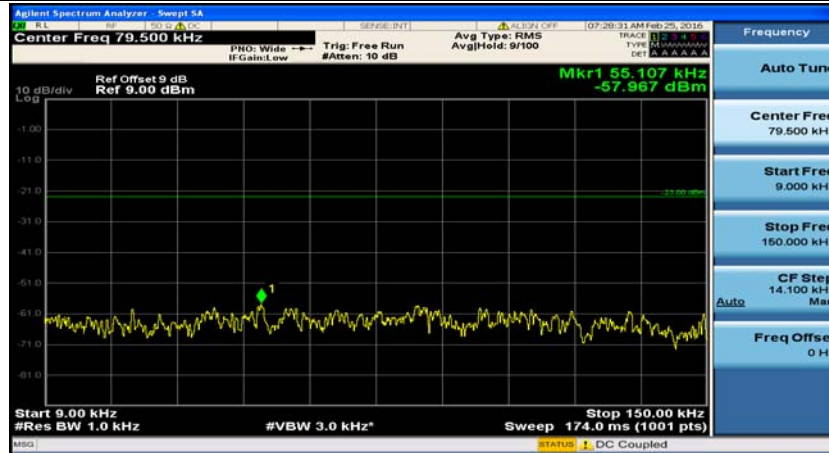


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

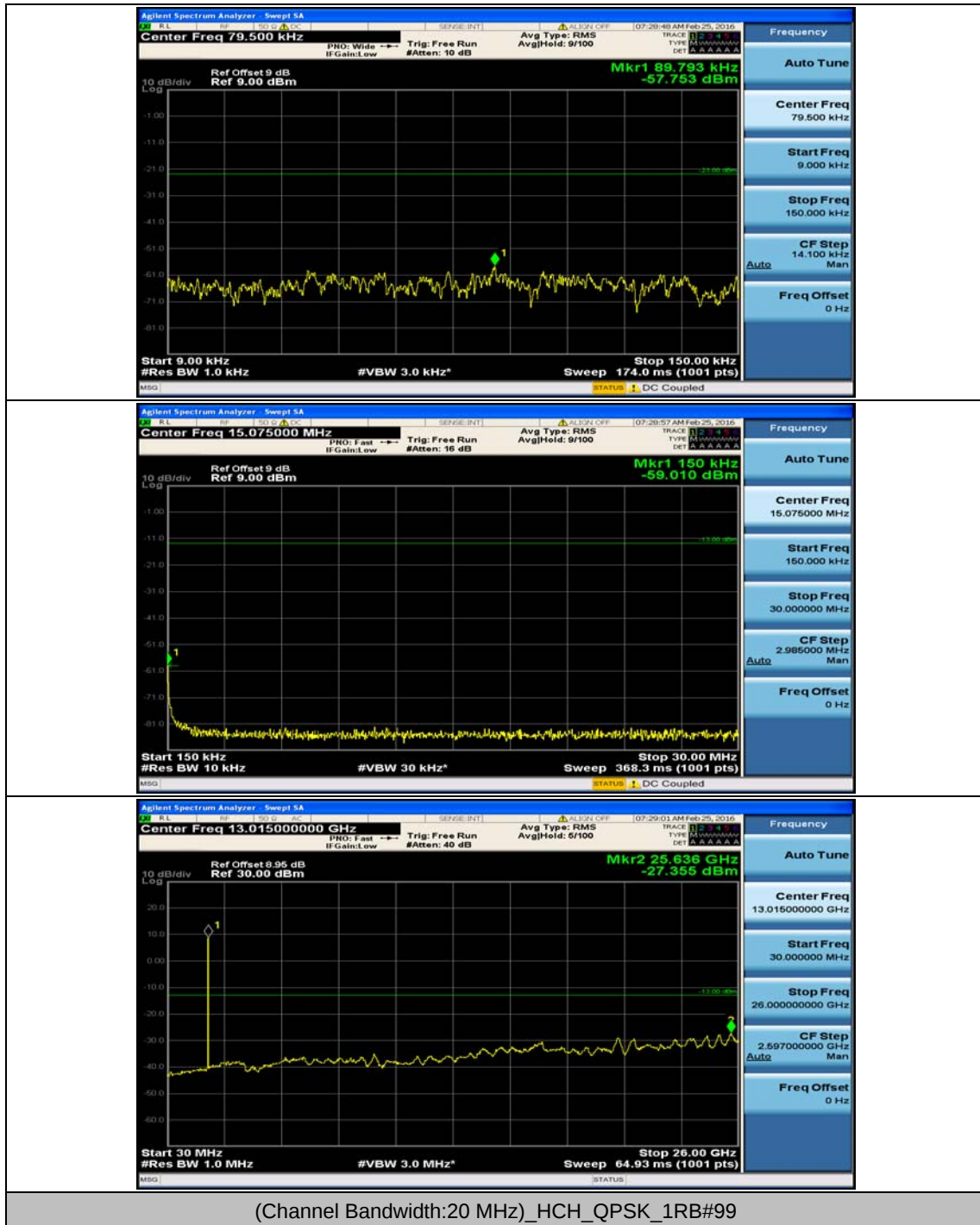


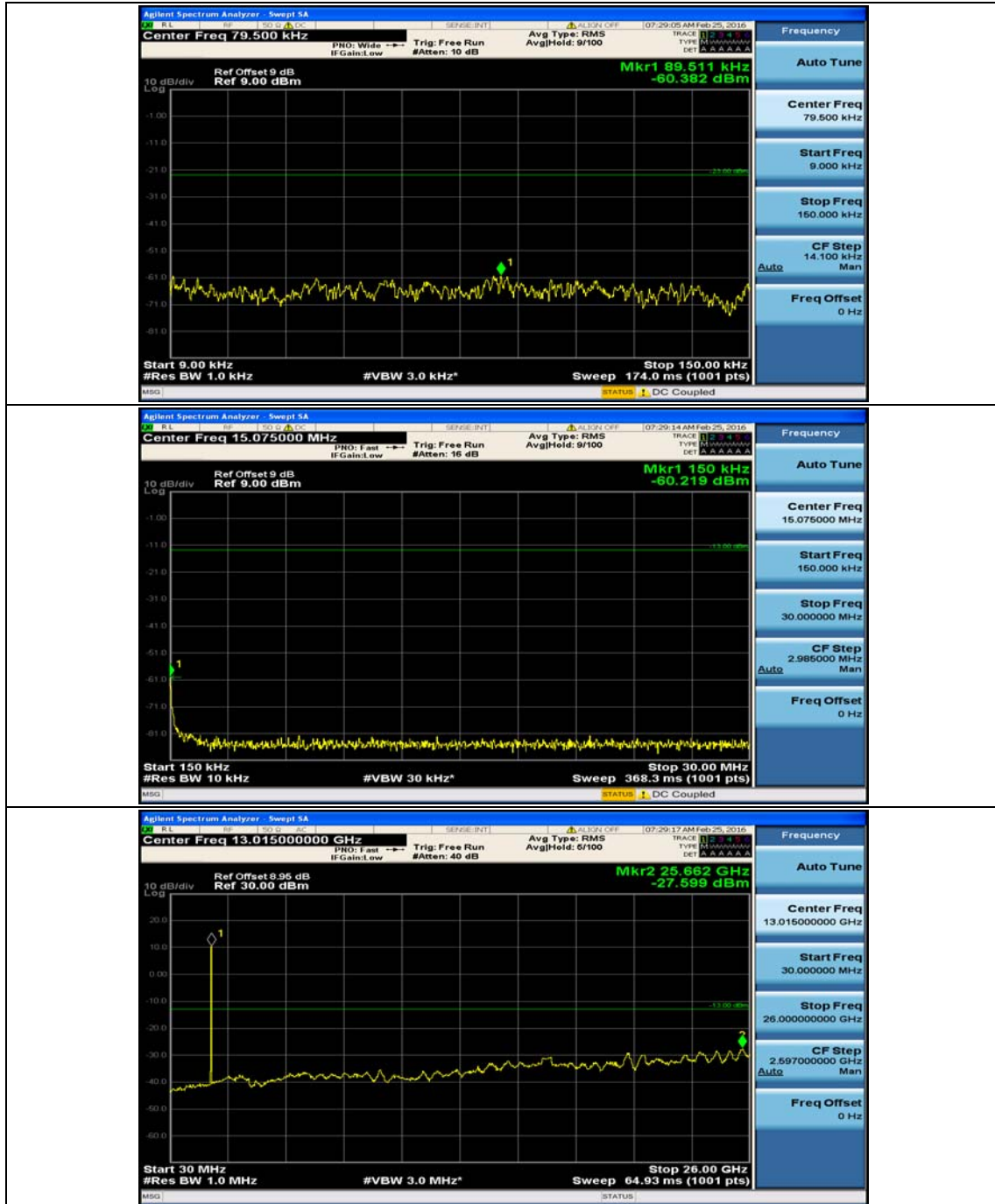


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

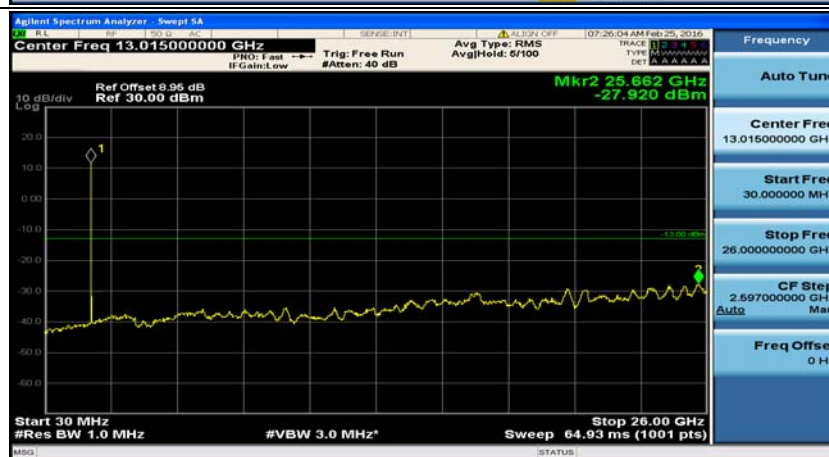
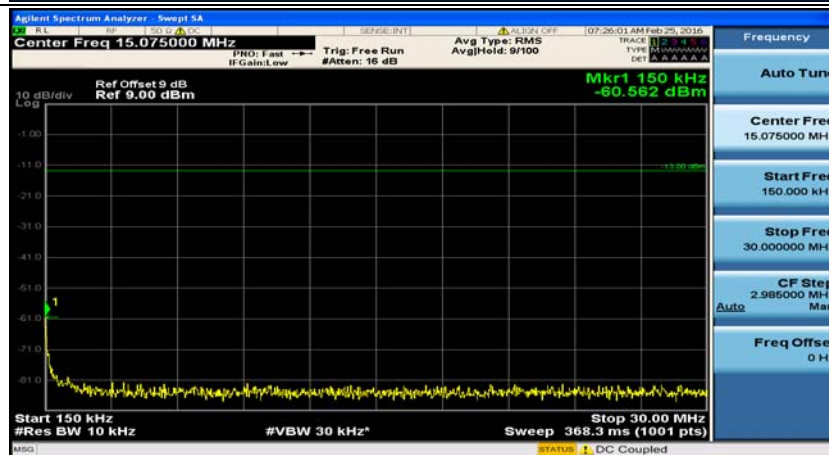


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

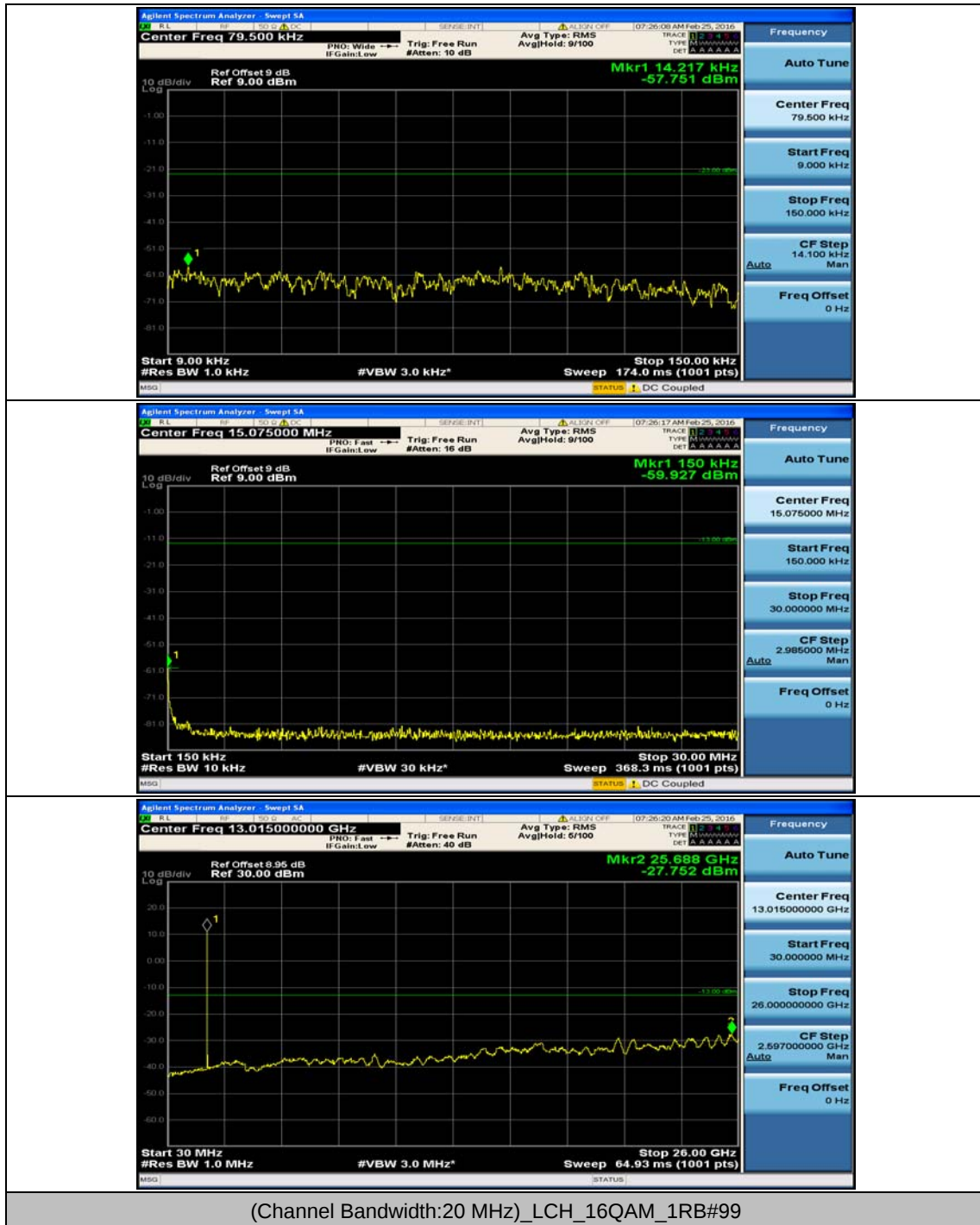


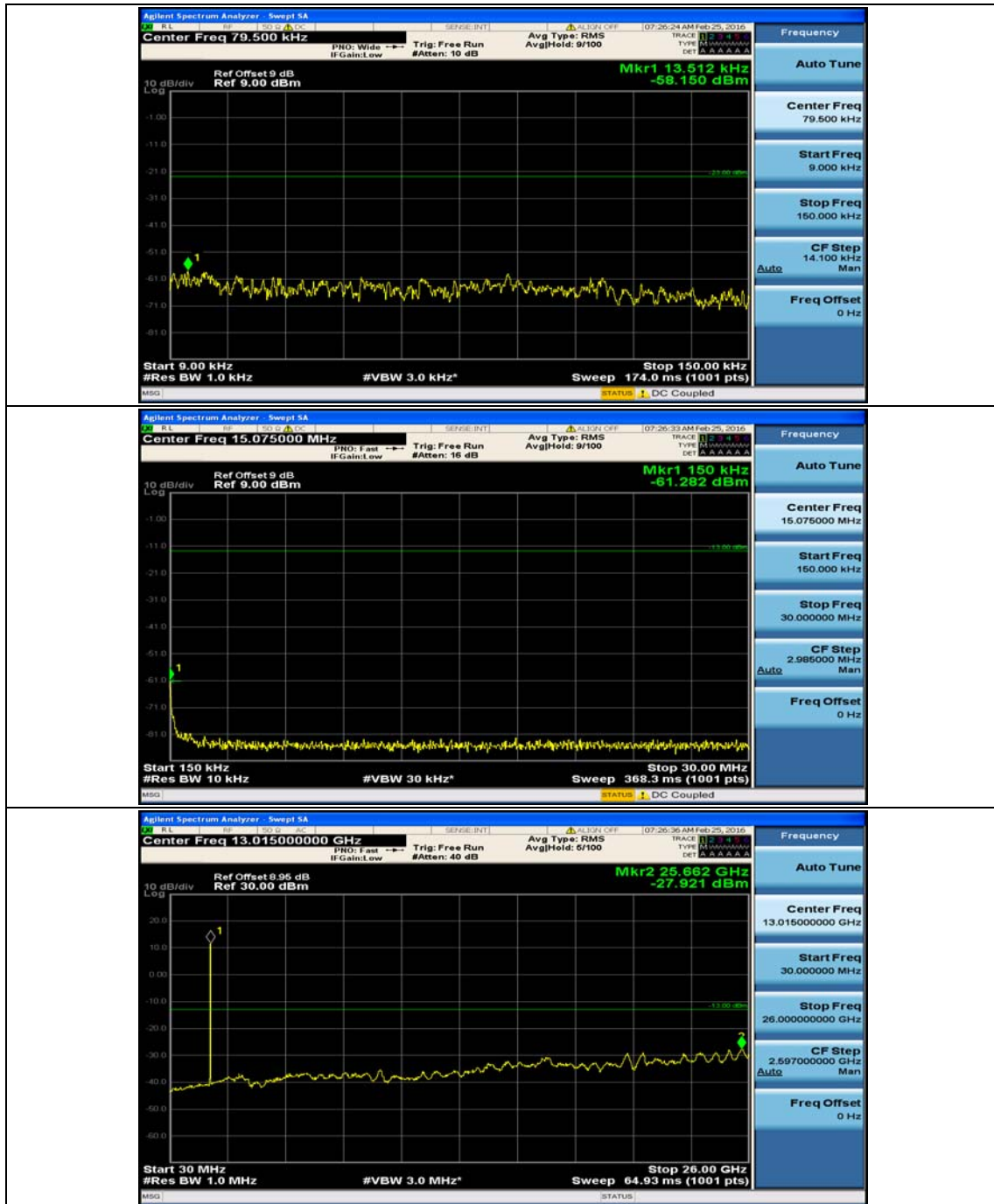


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

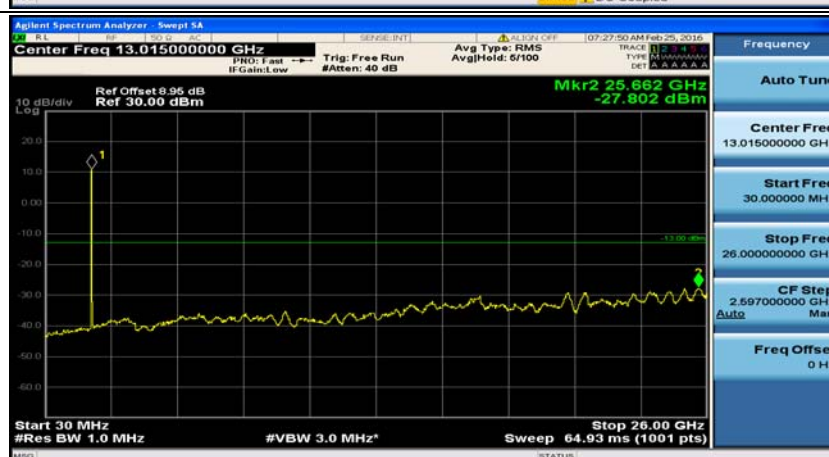
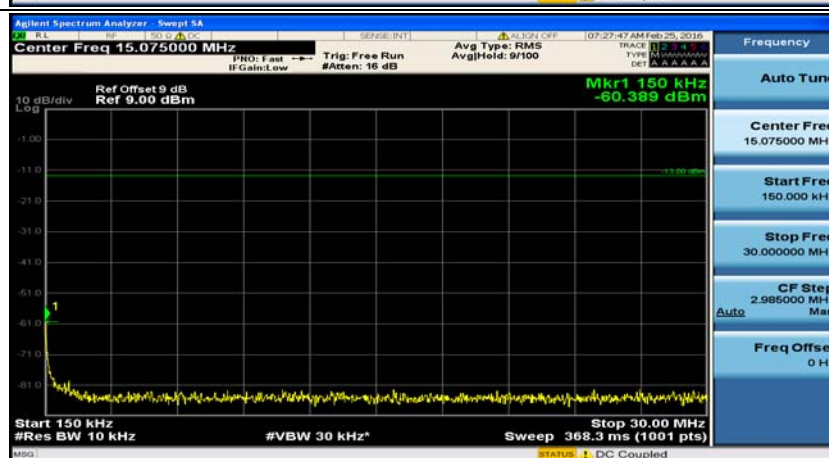
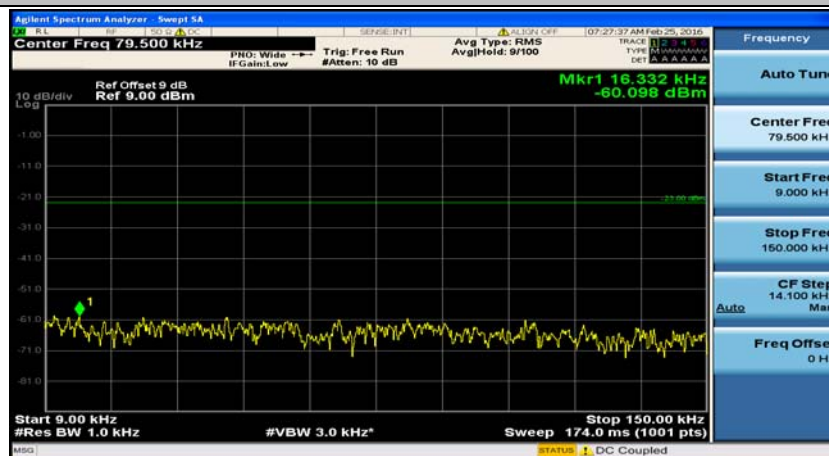


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

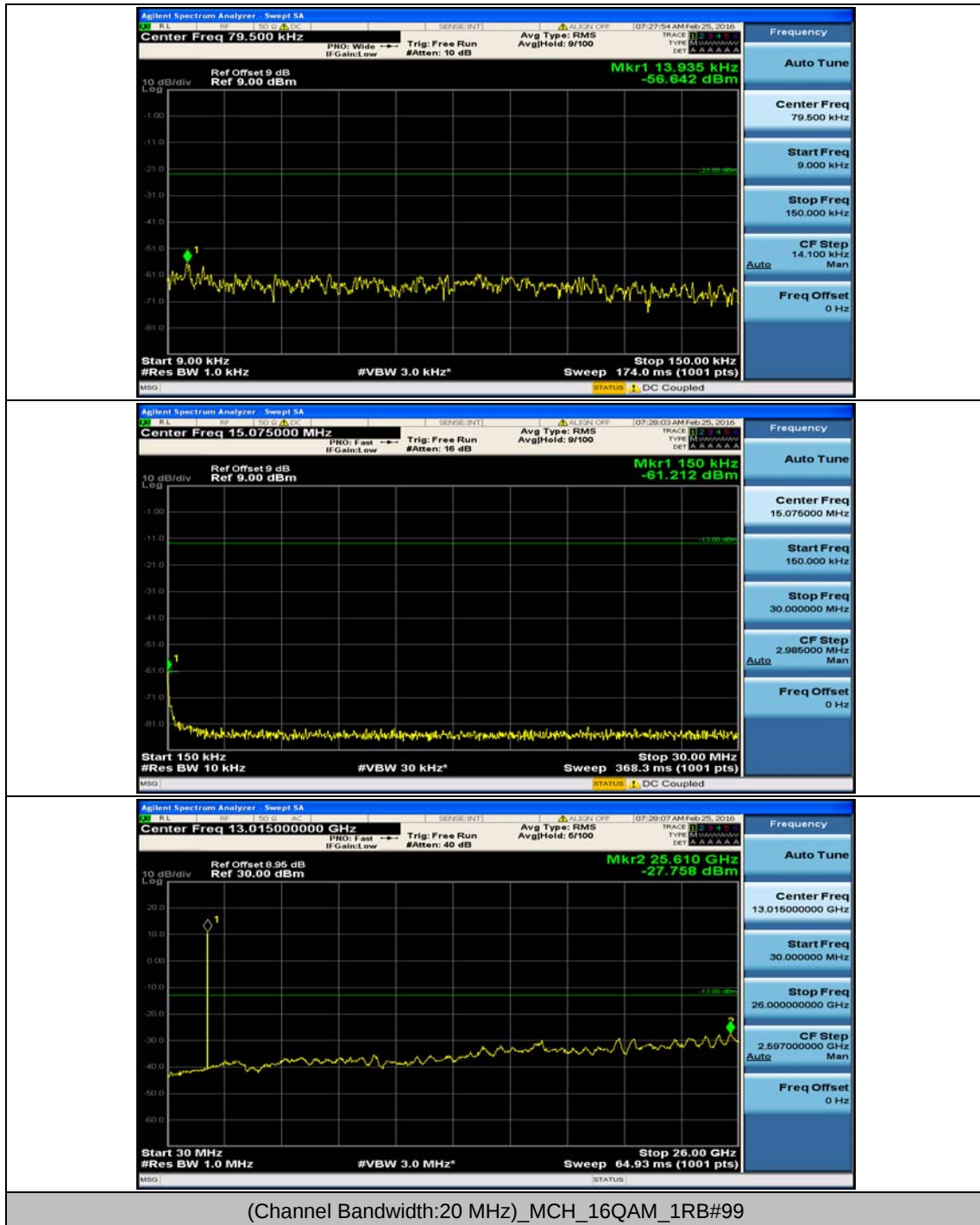


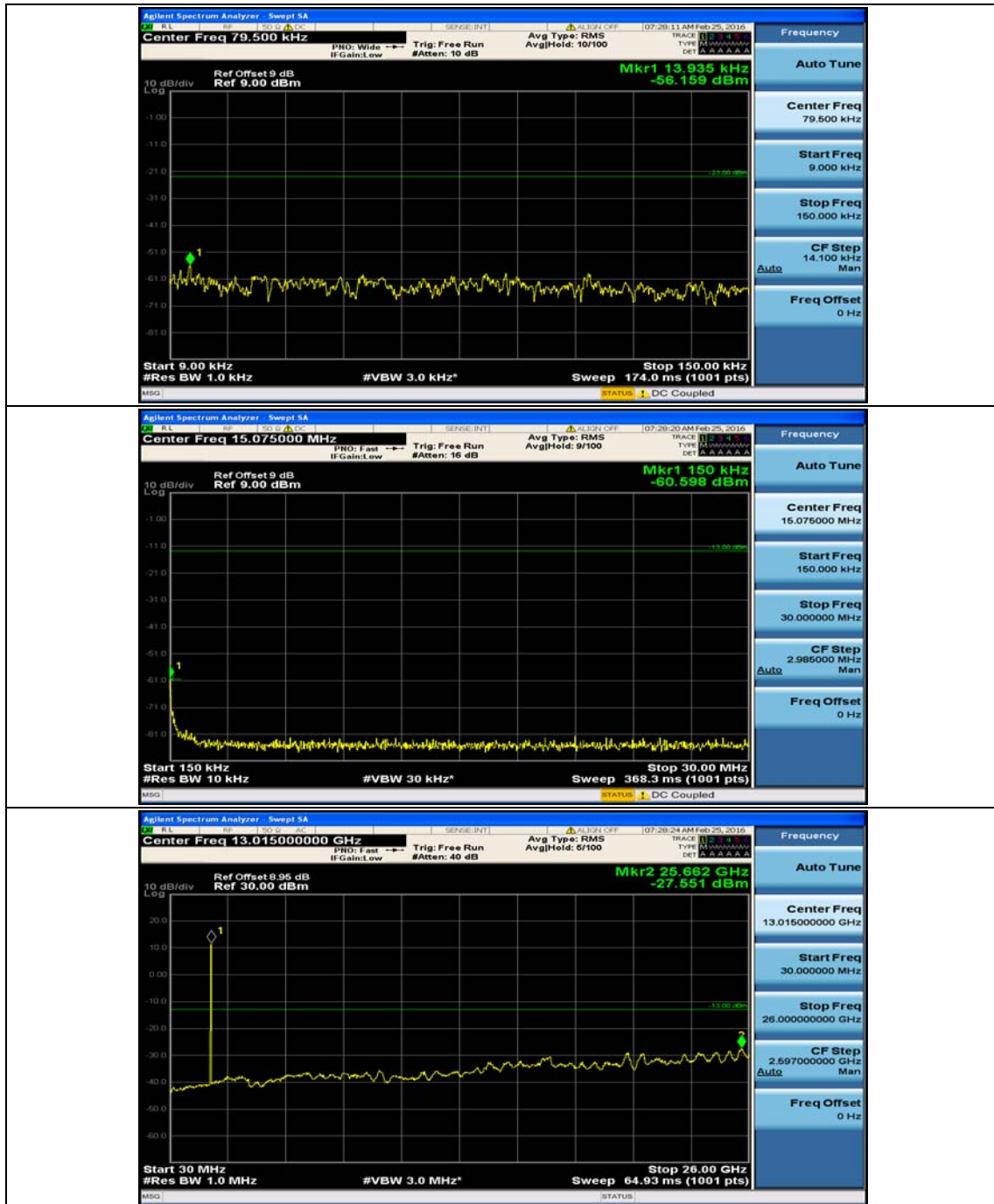


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

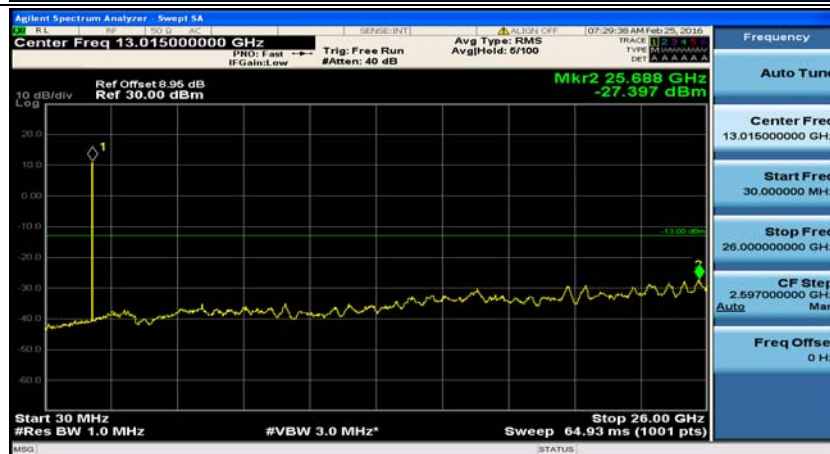
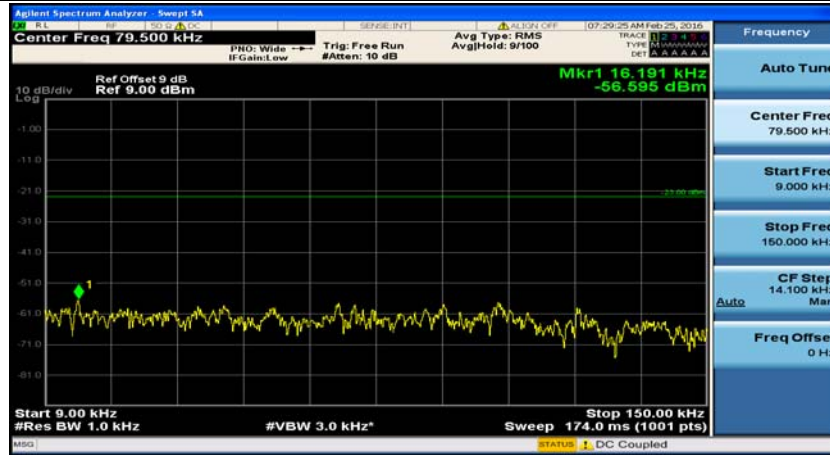


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

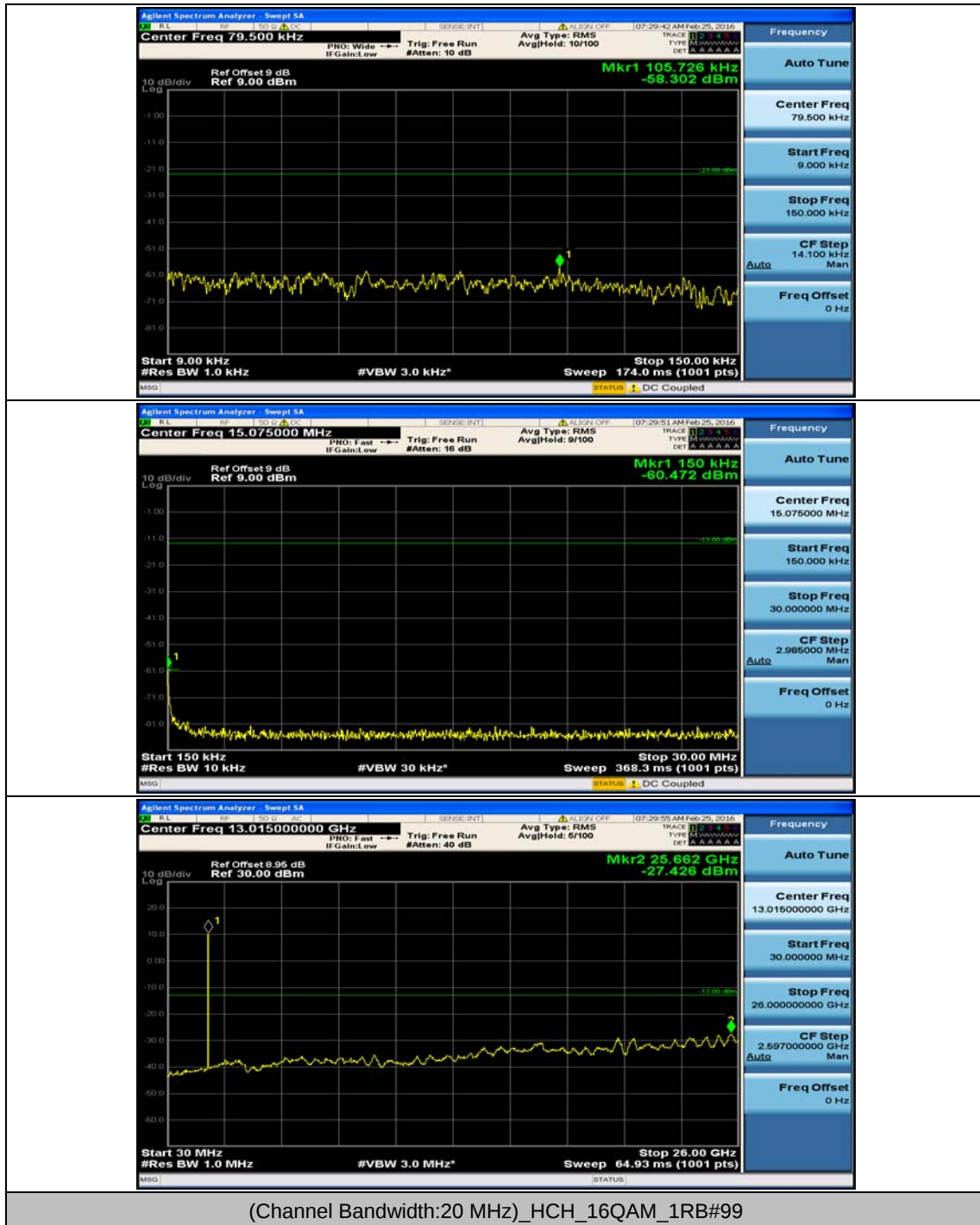


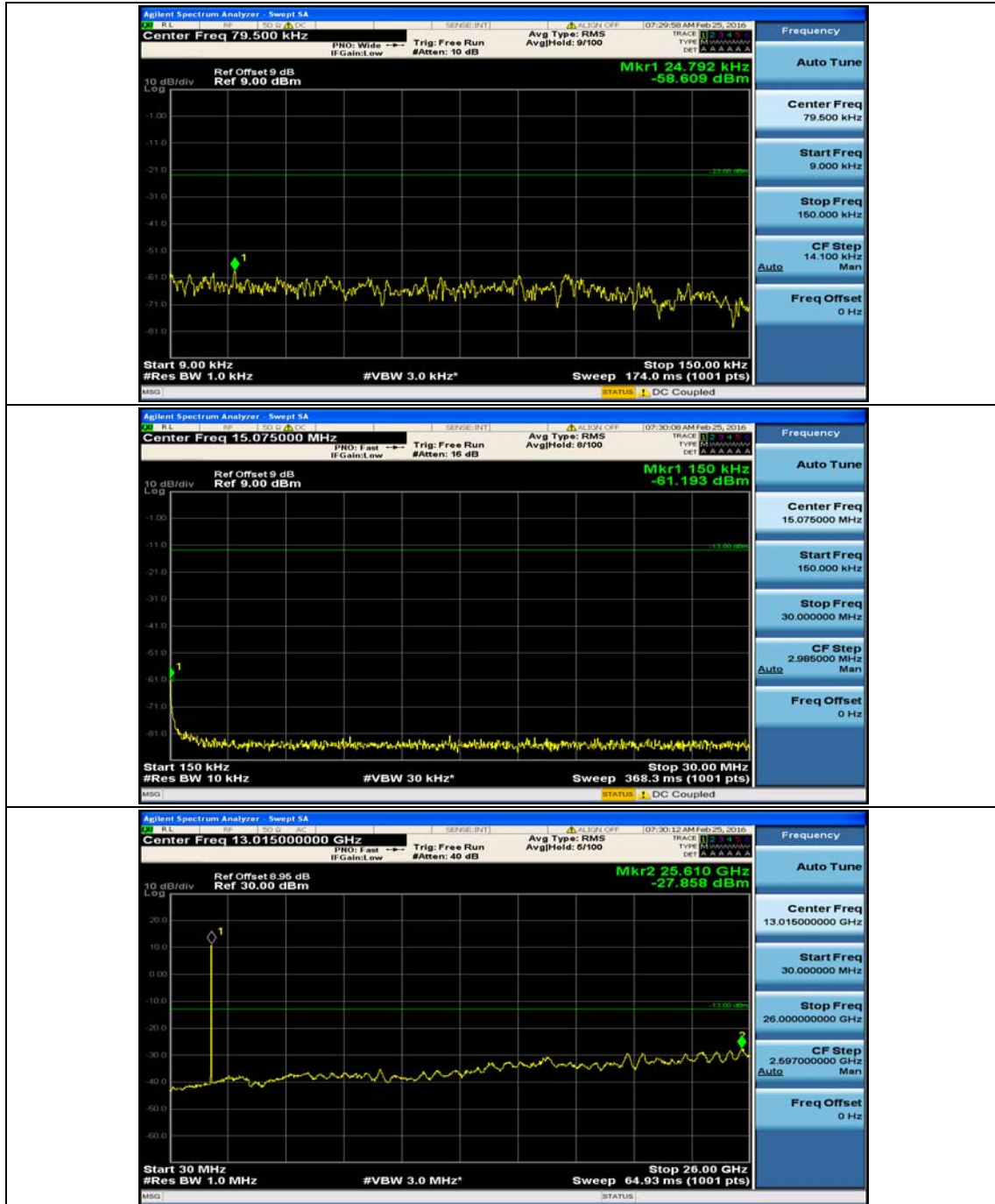


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	2.59	0.001399	± 2.5	PASS
		VN	TN	0.25	0.000135	± 2.5	PASS
		VH	TN	1.87	0.001010	± 2.5	PASS
	MCH	VL	TN	0.14	0.000074	± 2.5	PASS
		VN	TN	3.09	0.001644	± 2.5	PASS
		VH	TN	1.52	0.000809	± 2.5	PASS
	HCH	VL	TN	-1.64	-0.000859	± 2.5	PASS
		VN	TN	2.73	0.001430	± 2.5	PASS
		VH	TN	-0.96	-0.000503	± 2.5	PASS
16QAM	LCH	VL	TN	3.91	0.002113	± 2.5	PASS
		VN	TN	2.28	0.001232	± 2.5	PASS
		VH	TN	1.73	0.000935	± 2.5	PASS
	MCH	VL	TN	1.56	0.000830	± 2.5	PASS
		VN	TN	3.22	0.001713	± 2.5	PASS
		VH	TN	3.76	0.002000	± 2.5	PASS
	HCH	VL	TN	0.5	0.000262	± 2.5	PASS
		VN	TN	-0.62	-0.000325	± 2.5	PASS
		VH	TN	-0.61	-0.000319	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-2.13	-0.001151	± 2.5	PASS
		VN	-20	2.85	0.001540	± 2.5	PASS
		VN	-10	2.39	0.001291	± 2.5	PASS
		VN	0	2.92	0.001578	± 2.5	PASS
		VN	10	-0.68	-0.000367	± 2.5	PASS
		VN	20	-1.34	-0.000724	± 2.5	PASS
		VN	30	1.85	0.001000	± 2.5	PASS
		VN	40	1.18	0.000638	± 2.5	PASS
		VN	50	2.66	0.001437	± 2.5	PASS
	MCH	VN	-30	-1.47	-0.000782	± 2.5	PASS

		VN	-20	3.85	0.002048	± 2.5	PASS
		VN	-10	2.01	0.001069	± 2.5	PASS
		VN	0	-0.2	-0.000106	± 2.5	PASS
		VN	10	4.32	0.002298	± 2.5	PASS
		VN	20	2.33	0.001239	± 2.5	PASS
		VN	30	0.18	0.000096	± 2.5	PASS
		VN	40	0.35	0.000186	± 2.5	PASS
		VN	50	4.48	0.002383	± 2.5	PASS
	HCH	VN	-30	2.15	0.001126	± 2.5	PASS
		VN	-20	3.67	0.001922	± 2.5	PASS
		VN	-10	1.95	0.001021	± 2.5	PASS
		VN	0	-1.69	-0.000885	± 2.5	PASS
		VN	10	4.2	0.002200	± 2.5	PASS
		VN	20	4.17	0.002184	± 2.5	PASS
		VN	30	-1.29	-0.000676	± 2.5	PASS
		VN	40	1.47	0.000770	± 2.5	PASS
		VN	50	-0.46	-0.000241	± 2.5	PASS
16QAM	LCH	VN	-30	4.26	0.002302	± 2.5	PASS
		VN	-20	0.6	0.000324	± 2.5	PASS
		VN	-10	0.63	0.000340	± 2.5	PASS
		VN	0	3.96	0.002140	± 2.5	PASS
		VN	10	1.04	0.000562	± 2.5	PASS
		VN	20	3.44	0.001859	± 2.5	PASS
		VN	30	4.17	0.002253	± 2.5	PASS
		VN	40	0.21	0.000113	± 2.5	PASS
		VN	50	1.76	0.000951	± 2.5	PASS
	MCH	VN	-30	-1.35	-0.000718	± 2.5	PASS
		VN	-20	0.41	0.000218	± 2.5	PASS
		VN	-10	0.3	0.000160	± 2.5	PASS
		VN	0	4.59	0.002441	± 2.5	PASS
		VN	10	2.46	0.001309	± 2.5	PASS
		VN	20	-1.09	-0.000580	± 2.5	PASS
		VN	30	-1.34	-0.000713	± 2.5	PASS
		VN	40	1.62	0.000862	± 2.5	PASS
		VN	50	-0.22	-0.000117	± 2.5	PASS
	HCH	VN	-30	1.29	0.000676	± 2.5	PASS
		VN	-20	-1.44	-0.000754	± 2.5	PASS
		VN	-10	4.33	0.002268	± 2.5	PASS
		VN	0	3.86	0.002022	± 2.5	PASS
		VN	10	1.77	0.000927	± 2.5	PASS
		VN	20	1.03	0.000539	± 2.5	PASS

		VN	30	-1.18	-0.000618	± 2.5	PASS
		VN	40	-1.85	-0.000969	± 2.5	PASS
		VN	50	3.93	0.002058	± 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	-1.87	-0.001010	± 2.5	PASS
		VN	TN	0.63	0.000340	± 2.5	PASS
		VH	TN	4.46	0.002409	± 2.5	PASS
	MCH	VL	TN	2.02	0.001074	± 2.5	PASS
		VN	TN	4.72	0.002511	± 2.5	PASS
		VH	TN	1.19	0.000633	± 2.5	PASS
	HCH	VL	TN	1.49	0.000781	± 2.5	PASS
		VN	TN	-1.75	-0.000917	± 2.5	PASS
		VH	TN	2.78	0.001457	± 2.5	PASS
16QAM	LCH	VL	TN	3.04	0.001642	± 2.5	PASS
		VN	TN	-0.14	-0.000076	± 2.5	PASS
		VH	TN	4.24	0.002290	± 2.5	PASS
	MCH	VL	TN	2.22	0.001181	± 2.5	PASS
		VN	TN	2.46	0.001309	± 2.5	PASS
		VH	TN	1.02	0.000543	± 2.5	PASS
	HCH	VL	TN	1.19	0.000624	± 2.5	PASS
		VN	TN	2.38	0.001247	± 2.5	PASS
		VH	TN	-0.89	-0.000466	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-2.83	-0.001528	± 2.5	PASS
		VN	-20	4.15	0.002241	± 2.5	PASS
		VN	-10	3.9	0.002106	± 2.5	PASS
		VN	0	1.58	0.000853	± 2.5	PASS
		VN	10	2.15	0.001161	± 2.5	PASS
		VN	20	3.88	0.002096	± 2.5	PASS
		VN	30	-0.96	-0.000518	± 2.5	PASS
		VN	40	3.51	0.001896	± 2.5	PASS
		VN	50	3.62	0.001955	± 2.5	PASS
	MCH	VN	-30	4.18	0.002223	± 2.5	PASS
		VN	-20	-0.6	-0.000319	± 2.5	PASS

		VN	-10	0.6	0.000319	± 2.5	PASS
		VN	0	1	0.000532	± 2.5	PASS
		VN	10	0.17	0.000090	± 2.5	PASS
		VN	20	-1.62	-0.000862	± 2.5	PASS
		VN	30	2.72	0.001447	± 2.5	PASS
		VN	40	3.25	0.001729	± 2.5	PASS
		VN	50	4.75	0.002527	± 2.5	PASS
	HCH	VN	-30	-1.62	-0.000849	± 2.5	PASS
		VN	-20	3.07	0.001609	± 2.5	PASS
		VN	-10	1.08	0.000566	± 2.5	PASS
		VN	0	-1.91	-0.001001	± 2.5	PASS
		VN	10	1.5	0.000786	± 2.5	PASS
		VN	20	-0.6	-0.000314	± 2.5	PASS
		VN	30	3.05	0.001598	± 2.5	PASS
		VN	40	-1.77	-0.000927	± 2.5	PASS
		VN	50	-0.99	-0.000519	± 2.5	PASS
16QAM	LCH	VN	-30	2.67	0.001442	± 2.5	PASS
		VN	-20	-1.34	-0.000724	± 2.5	PASS
		VN	-10	1.48	0.000799	± 2.5	PASS
		VN	0	3.83	0.002069	± 2.5	PASS
		VN	10	1.69	0.000913	± 2.5	PASS
		VN	20	0.07	0.000038	± 2.5	PASS
		VN	30	2.68	0.001447	± 2.5	PASS
		VN	40	4.8	0.002592	± 2.5	PASS
		VN	50	1.82	0.000983	± 2.5	PASS
	MCH	VN	-30	0.29	0.000154	± 2.5	PASS
		VN	-20	3.65	0.001941	± 2.5	PASS
		VN	-10	-1.28	-0.000681	± 2.5	PASS
		VN	0	2.7	0.001436	± 2.5	PASS
		VN	10	4.77	0.002537	± 2.5	PASS
		VN	20	-1.27	-0.000676	± 2.5	PASS
		VN	30	-0.05	-0.000027	± 2.5	PASS
		VN	40	2.44	0.001298	± 2.5	PASS
		VN	50	1.5	0.000798	± 2.5	PASS
	HCH	VN	-30	-0.54	-0.000283	± 2.5	PASS
		VN	-20	-1.84	-0.000964	± 2.5	PASS
		VN	-10	4.94	0.002588	± 2.5	PASS
		VN	0	-1.3	-0.000681	± 2.5	PASS
		VN	10	0.44	0.000231	± 2.5	PASS
		VN	20	1.5	0.000786	± 2.5	PASS
		VN	30	2.48	0.001299	± 2.5	PASS

		VN	40	1.06	0.000555	± 2.5	PASS
		VN	50	1.02	0.000534	± 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	-0.61	-0.000329	± 2.5	PASS
		VN	TN	3.1	0.001673	± 2.5	PASS
		VH	TN	4.57	0.002467	± 2.5	PASS
	MCH	VL	TN	-0.05	-0.000027	± 2.5	PASS
		VN	TN	-0.18	-0.000096	± 2.5	PASS
		VH	TN	0.02	0.000011	± 2.5	PASS
	HCH	VL	TN	3.09	0.001620	± 2.5	PASS
		VN	TN	2.1	0.001101	± 2.5	PASS
		VH	TN	4.02	0.002107	± 2.5	PASS
16QAM	LCH	VL	TN	0.86	0.000464	± 2.5	PASS
		VN	TN	2.81	0.001517	± 2.5	PASS
		VH	TN	1.01	0.000545	± 2.5	PASS
	MCH	VL	TN	-1.05	-0.000559	± 2.5	PASS
		VN	TN	3.03	0.001612	± 2.5	PASS
		VH	TN	-1.89	-0.001005	± 2.5	PASS
	HCH	VL	TN	0.38	0.000199	± 2.5	PASS
		VN	TN	0.18	0.000094	± 2.5	PASS
		VH	TN	-0.48	-0.000252	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-2.16	-0.001166	± 2.5	PASS
		VN	-20	1.38	0.000745	± 2.5	PASS
		VN	-10	0.73	0.000394	± 2.5	PASS
		VN	0	-0.83	-0.000448	± 2.5	PASS
		VN	10	-0.23	-0.000124	± 2.5	PASS
		VN	20	3.53	0.001906	± 2.5	PASS
		VN	30	1.14	0.000615	± 2.5	PASS
		VN	40	-0.67	-0.000362	± 2.5	PASS
		VN	50	4.87	0.002629	± 2.5	PASS
	MCH	VN	-30	-0.9	-0.000479	± 2.5	PASS
		VN	-20	2.99	0.001590	± 2.5	PASS
		VN	-10	-0.51	-0.000271	± 2.5	PASS

		VN	0	-1.79	-0.000952	± 2.5	PASS
		VN	10	0.72	0.000383	± 2.5	PASS
		VN	20	3.51	0.001867	± 2.5	PASS
		VN	30	-0.54	-0.000287	± 2.5	PASS
		VN	40	-0.45	-0.000239	± 2.5	PASS
		VN	50	-0.59	-0.000314	± 2.5	PASS
	HCH	VN	-30	1.5	0.000786	± 2.5	PASS
		VN	-20	4.98	0.002611	± 2.5	PASS
		VN	-10	-0.26	-0.000136	± 2.5	PASS
		VN	0	-0.63	-0.000330	± 2.5	PASS
		VN	10	4.7	0.002464	± 2.5	PASS
		VN	20	-0.78	-0.000409	± 2.5	PASS
		VN	30	0.89	0.000467	± 2.5	PASS
		VN	40	-0.61	-0.000320	± 2.5	PASS
		VN	50	0.24	0.000126	± 2.5	PASS
16QAM	LCH	VN	-30	1.81	0.000977	± 2.5	PASS
		VN	-20	0.66	0.000356	± 2.5	PASS
		VN	-10	-1.34	-0.000723	± 2.5	PASS
		VN	0	4.66	0.002516	± 2.5	PASS
		VN	10	-0.34	-0.000184	± 2.5	PASS
		VN	20	-1.86	-0.001004	± 2.5	PASS
		VN	30	4.36	0.002354	± 2.5	PASS
		VN	40	1.2	0.000648	± 2.5	PASS
		VN	50	1.27	0.000686	± 2.5	PASS
	MCH	VN	-30	0.31	0.000165	± 2.5	PASS
		VN	-20	4.68	0.002489	± 2.5	PASS
		VN	-10	4.25	0.002261	± 2.5	PASS
		VN	0	1.19	0.000633	± 2.5	PASS
		VN	10	1.92	0.001021	± 2.5	PASS
		VN	20	1.38	0.000734	± 2.5	PASS
		VN	30	0.85	0.000452	± 2.5	PASS
		VN	40	-0.14	-0.000074	± 2.5	PASS
		VN	50	1.48	0.000787	± 2.5	PASS
	HCH	VN	-30	-1.11	-0.000582	± 2.5	PASS
		VN	-20	-1.6	-0.000839	± 2.5	PASS
		VN	-10	1.42	0.000744	± 2.5	PASS
		VN	0	1.75	0.000917	± 2.5	PASS
		VN	10	-0.72	-0.000377	± 2.5	PASS
		VN	20	3.12	0.001636	± 2.5	PASS
		VN	30	2.83	0.001484	± 2.5	PASS
		VN	40	-1.09	-0.000571	± 2.5	PASS

		VN	50	-1.45	-0.000760	± 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	-0.07	-0.000038	± 2.5	PASS
		VN	TN	0.36	0.000194	± 2.5	PASS
		VH	TN	-1.11	-0.000598	± 2.5	PASS
	MCH	VL	TN	4.66	0.002479	± 2.5	PASS
		VN	TN	2.46	0.001309	± 2.5	PASS
		VH	TN	-1.95	-0.001037	± 2.5	PASS
	HCH	VL	TN	-0.17	-0.000089	± 2.5	PASS
		VN	TN	1.66	0.000871	± 2.5	PASS
		VH	TN	2.95	0.001549	± 2.5	PASS
16QAM	LCH	VL	TN	0.86	0.000464	± 2.5	PASS
		VN	TN	-0.61	-0.000329	± 2.5	PASS
		VH	TN	2.53	0.001364	± 2.5	PASS
	MCH	VL	TN	4.23	0.002250	± 2.5	PASS
		VN	TN	-0.6	-0.000319	± 2.5	PASS
		VH	TN	3.37	0.001793	± 2.5	PASS
	HCH	VL	TN	4.5	0.002362	± 2.5	PASS
		VN	TN	3.69	0.001937	± 2.5	PASS
		VH	TN	2.68	0.001407	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.34	-0.000722	± 2.5	PASS
		VN	-20	4.04	0.002178	± 2.5	PASS
		VN	-10	0.53	0.000286	± 2.5	PASS
		VN	0	1.19	0.000642	± 2.5	PASS
		VN	10	3.91	0.002108	± 2.5	PASS
		VN	20	1.88	0.001013	± 2.5	PASS
		VN	30	1.08	0.000582	± 2.5	PASS
		VN	40	2.29	0.001235	± 2.5	PASS
		VN	50	-0.07	-0.000038	± 2.5	PASS
	MCH	VN	-30	4.93	0.002622	± 2.5	PASS
		VN	-20	2.6	0.001383	± 2.5	PASS
		VN	-10	1.16	0.000617	± 2.5	PASS
		VN	0	-1.77	-0.000941	± 2.5	PASS

		VN	10	0.07	0.000037	± 2.5	PASS
		VN	20	1.74	0.000926	± 2.5	PASS
		VN	30	4.92	0.002617	± 2.5	PASS
		VN	40	-0.22	-0.000117	± 2.5	PASS
		VN	50	4.77	0.002537	± 2.5	PASS
	HCH	VN	-30	-1.98	-0.001039	± 2.5	PASS
		VN	-20	-0.09	-0.000047	± 2.5	PASS
		VN	-10	4.41	0.002315	± 2.5	PASS
		VN	0	1.78	0.000934	± 2.5	PASS
		VN	10	-1.99	-0.001045	± 2.5	PASS
		VN	20	2.07	0.001087	± 2.5	PASS
		VN	30	1.89	0.000992	± 2.5	PASS
		VN	40	0.26	0.000136	± 2.5	PASS
		VN	50	-1.49	-0.000782	± 2.5	PASS
16QAM	LCH	VN	-30	4.57	0.002464	± 2.5	PASS
		VN	-20	3.18	0.001714	± 2.5	PASS
		VN	-10	3.08	0.001660	± 2.5	PASS
		VN	0	-0.59	-0.000318	± 2.5	PASS
		VN	10	4.42	0.002383	± 2.5	PASS
		VN	20	0.17	0.000092	± 2.5	PASS
		VN	30	4.67	0.002518	± 2.5	PASS
		VN	40	-1.68	-0.000906	± 2.5	PASS
		VN	50	0.61	0.000329	± 2.5	PASS
	MCH	VN	-30	3.93	0.002090	± 2.5	PASS
		VN	-20	1.87	0.000995	± 2.5	PASS
		VN	-10	-0.51	-0.000271	± 2.5	PASS
		VN	0	1.83	0.000973	± 2.5	PASS
		VN	10	3.9	0.002074	± 2.5	PASS
		VN	20	4.53	0.002410	± 2.5	PASS
		VN	30	-1.49	-0.000793	± 2.5	PASS
		VN	40	-0.95	-0.000505	± 2.5	PASS
		VN	50	3.75	0.001995	± 2.5	PASS
	HCH	VN	-30	3.01	0.001580	± 2.5	PASS
		VN	-20	4.83	0.002535	± 2.5	PASS
		VN	-10	-1.19	-0.000625	± 2.5	PASS
		VN	0	3.1	0.001627	± 2.5	PASS
		VN	10	-0.92	-0.000483	± 2.5	PASS
		VN	20	1.24	0.000651	± 2.5	PASS
		VN	30	2.68	0.001407	± 2.5	PASS
		VN	40	0.9	0.000472	± 2.5	PASS
		VN	50	3.48	0.001827	± 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	-1.5	-0.000808	± 2.5	PASS
		VN	TN	4.51	0.002428	± 2.5	PASS
		VH	TN	-1.09	-0.000587	± 2.5	PASS
	MCH	VL	TN	4.82	0.002564	± 2.5	PASS
		VN	TN	-1.01	-0.000537	± 2.5	PASS
		VH	TN	0.59	0.000314	± 2.5	PASS
	HCH	VL	TN	3.13	0.001645	± 2.5	PASS
		VN	TN	-1.73	-0.000909	± 2.5	PASS
		VH	TN	1.8	0.000946	± 2.5	PASS
16QAM	LCH	VL	TN	1.68	0.000904	± 2.5	PASS
		VN	TN	0.19	0.000102	± 2.5	PASS
		VH	TN	2.07	0.001114	± 2.5	PASS
	MCH	VL	TN	3.14	0.001670	± 2.5	PASS
		VN	TN	3.59	0.001910	± 2.5	PASS
		VH	TN	3.91	0.002080	± 2.5	PASS
	HCH	VL	TN	4.49	0.002360	± 2.5	PASS
		VN	TN	0.9	0.000473	± 2.5	PASS
		VH	TN	3.05	0.001603	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.23	0.000662	± 2.5	PASS
		VN	-20	4.53	0.002439	± 2.5	PASS
		VN	-10	3.03	0.001631	± 2.5	PASS
		VN	0	2.3	0.001238	± 2.5	PASS
		VN	10	3.03	0.001631	± 2.5	PASS
		VN	20	0.65	0.000350	± 2.5	PASS
		VN	30	4.1	0.002207	± 2.5	PASS
		VN	40	-0.21	-0.000113	± 2.5	PASS
		VN	50	-1.7	-0.000915	± 2.5	PASS
	MCH	VN	-30	-1.44	-0.000766	± 2.5	PASS
		VN	-20	3.06	0.001628	± 2.5	PASS
		VN	-10	1.07	0.000569	± 2.5	PASS
		VN	0	-0.46	-0.000245	± 2.5	PASS
		VN	10	-0.67	-0.000356	± 2.5	PASS
		VN	20	0.9	0.000479	± 2.5	PASS

		VN	30	-0.97	-0.000516	± 2.5	PASS
		VN	40	1.78	0.000947	± 2.5	PASS
		VN	50	-1.82	-0.000968	± 2.5	PASS
	HCH	VN	-30	2.19	0.001151	± 2.5	PASS
		VN	-20	0.67	0.000352	± 2.5	PASS
		VN	-10	2.89	0.001519	± 2.5	PASS
		VN	0	-0.58	-0.000305	± 2.5	PASS
		VN	10	2.8	0.001472	± 2.5	PASS
		VN	20	1.22	0.000641	± 2.5	PASS
		VN	30	0.15	0.000079	± 2.5	PASS
		VN	40	4.14	0.002176	± 2.5	PASS
		VN	50	-1.82	-0.000957	± 2.5	PASS
16QAM	LCH	VN	-30	-0.73	-0.000393	± 2.5	PASS
		VN	-20	0.47	0.000253	± 2.5	PASS
		VN	-10	-0.89	-0.000479	± 2.5	PASS
		VN	0	-1.27	-0.000684	± 2.5	PASS
		VN	10	2.24	0.001206	± 2.5	PASS
		VN	20	3.74	0.002013	± 2.5	PASS
		VN	30	4.25	0.002288	± 2.5	PASS
		VN	40	0.19	0.000102	± 2.5	PASS
		VN	50	2.71	0.001459	± 2.5	PASS
	MCH	VN	-30	1.21	0.000644	± 2.5	PASS
		VN	-20	3.97	0.002112	± 2.5	PASS
		VN	-10	1.76	0.000936	± 2.5	PASS
		VN	0	0.73	0.000388	± 2.5	PASS
		VN	10	1.34	0.000713	± 2.5	PASS
		VN	20	4.94	0.002628	± 2.5	PASS
		VN	30	3.51	0.001867	± 2.5	PASS
		VN	40	2.77	0.001473	± 2.5	PASS
		VN	50	1.46	0.000777	± 2.5	PASS
	HCH	VN	-30	0.56	0.000294	± 2.5	PASS
		VN	-20	3.51	0.001845	± 2.5	PASS
		VN	-10	4.08	0.002145	± 2.5	PASS
		VN	0	-1.66	-0.000873	± 2.5	PASS
		VN	10	1.64	0.000862	± 2.5	PASS
		VN	20	-1.63	-0.000857	± 2.5	PASS
		VN	30	-1.76	-0.000925	± 2.5	PASS
		VN	40	-1.56	-0.000820	± 2.5	PASS
		VN	50	4.8	0.002523	± 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	-3.89	-0.002091	± 2.5	PASS
		VN	TN	-0.92	-0.000495	± 2.5	PASS
		VH	TN	2.87	0.001543	± 2.5	PASS
	MCH	VL	TN	2.5	0.001330	± 2.5	PASS
		VN	TN	1.83	0.000973	± 2.5	PASS
		VH	TN	4.11	0.002186	± 2.5	PASS
	HCH	VL	TN	1.82	0.000958	± 2.5	PASS
		VN	TN	4.02	0.002116	± 2.5	PASS
		VH	TN	3.37	0.001774	± 2.5	PASS
16QAM	LCH	VL	TN	-1.79	-0.000962	± 2.5	PASS
		VN	TN	0.88	0.000473	± 2.5	PASS
		VH	TN	2.57	0.001382	± 2.5	PASS
	MCH	VL	TN	3.16	0.001681	± 2.5	PASS
		VN	TN	-0.75	-0.000399	± 2.5	PASS
		VH	TN	0.11	0.000059	± 2.5	PASS
	HCH	VL	TN	2.13	0.001121	± 2.5	PASS
		VN	TN	2.02	0.001063	± 2.5	PASS
		VH	TN	1.27	0.000668	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-2.16	-0.001161	± 2.5	PASS
		VN	-20	3.39	0.001823	± 2.5	PASS
		VN	-10	-1.85	-0.000995	± 2.5	PASS
		VN	0	4.49	0.002414	± 2.5	PASS
		VN	10	0.35	0.000188	± 2.5	PASS
		VN	20	-1.61	-0.000866	± 2.5	PASS
		VN	30	0.7	0.000376	± 2.5	PASS
		VN	40	1.34	0.000720	± 2.5	PASS
		VN	50	-1.71	-0.000919	± 2.5	PASS
	MCH	VN	-30	2.49	0.001324	± 2.5	PASS
		VN	-20	2.07	0.001101	± 2.5	PASS
		VN	-10	-0.21	-0.000112	± 2.5	PASS
		VN	0	4.46	0.002372	± 2.5	PASS
		VN	10	1.45	0.000771	± 2.5	PASS
		VN	20	4.39	0.002335	± 2.5	PASS

		VN	30	2.04	0.001085	± 2.5	PASS
		VN	40	4.89	0.002601	± 2.5	PASS
		VN	50	4.23	0.002250	± 2.5	PASS
	HCH	VN	-30	4.23	0.002226	± 2.5	PASS
		VN	-20	1.79	0.000942	± 2.5	PASS
		VN	-10	3.95	0.002079	± 2.5	PASS
		VN	0	4.18	0.002200	± 2.5	PASS
		VN	10	0.69	0.000363	± 2.5	PASS
		VN	20	-1.28	-0.000674	± 2.5	PASS
		VN	30	0.24	0.000126	± 2.5	PASS
		VN	40	-1.04	-0.000547	± 2.5	PASS
		VN	50	3.51	0.001847	± 2.5	PASS
16QAM	LCH	VN	-30	2.48	0.001333	± 2.5	PASS
		VN	-20	4.78	0.002570	± 2.5	PASS
		VN	-10	4.85	0.002608	± 2.5	PASS
		VN	0	-0.05	-0.000027	± 2.5	PASS
		VN	10	2.92	0.001570	± 2.5	PASS
		VN	20	4.58	0.002462	± 2.5	PASS
		VN	30	1.3	0.000699	± 2.5	PASS
		VN	40	-0.79	-0.000425	± 2.5	PASS
		VN	50	4.77	0.002565	± 2.5	PASS
	MCH	VN	-30	1.77	0.000941	± 2.5	PASS
		VN	-20	4.6	0.002447	± 2.5	PASS
		VN	-10	0.4	0.000213	± 2.5	PASS
		VN	0	0.69	0.000367	± 2.5	PASS
		VN	10	0.69	0.000367	± 2.5	PASS
		VN	20	-1.01	-0.000537	± 2.5	PASS
		VN	30	2.02	0.001074	± 2.5	PASS
		VN	40	4.91	0.002612	± 2.5	PASS
		VN	50	-0.56	-0.000298	± 2.5	PASS
	HCH	VN	-30	-0.23	-0.000121	± 2.5	PASS
		VN	-20	1.19	0.000626	± 2.5	PASS
		VN	-10	1.99	0.001047	± 2.5	PASS
		VN	0	1.08	0.000568	± 2.5	PASS
		VN	10	-0.54	-0.000284	± 2.5	PASS
		VN	20	3.88	0.002042	± 2.5	PASS
		VN	30	4.64	0.002442	± 2.5	PASS
		VN	40	4.06	0.002137	± 2.5	PASS
		VN	50	-1.6	-0.000842	± 2.5	PASS