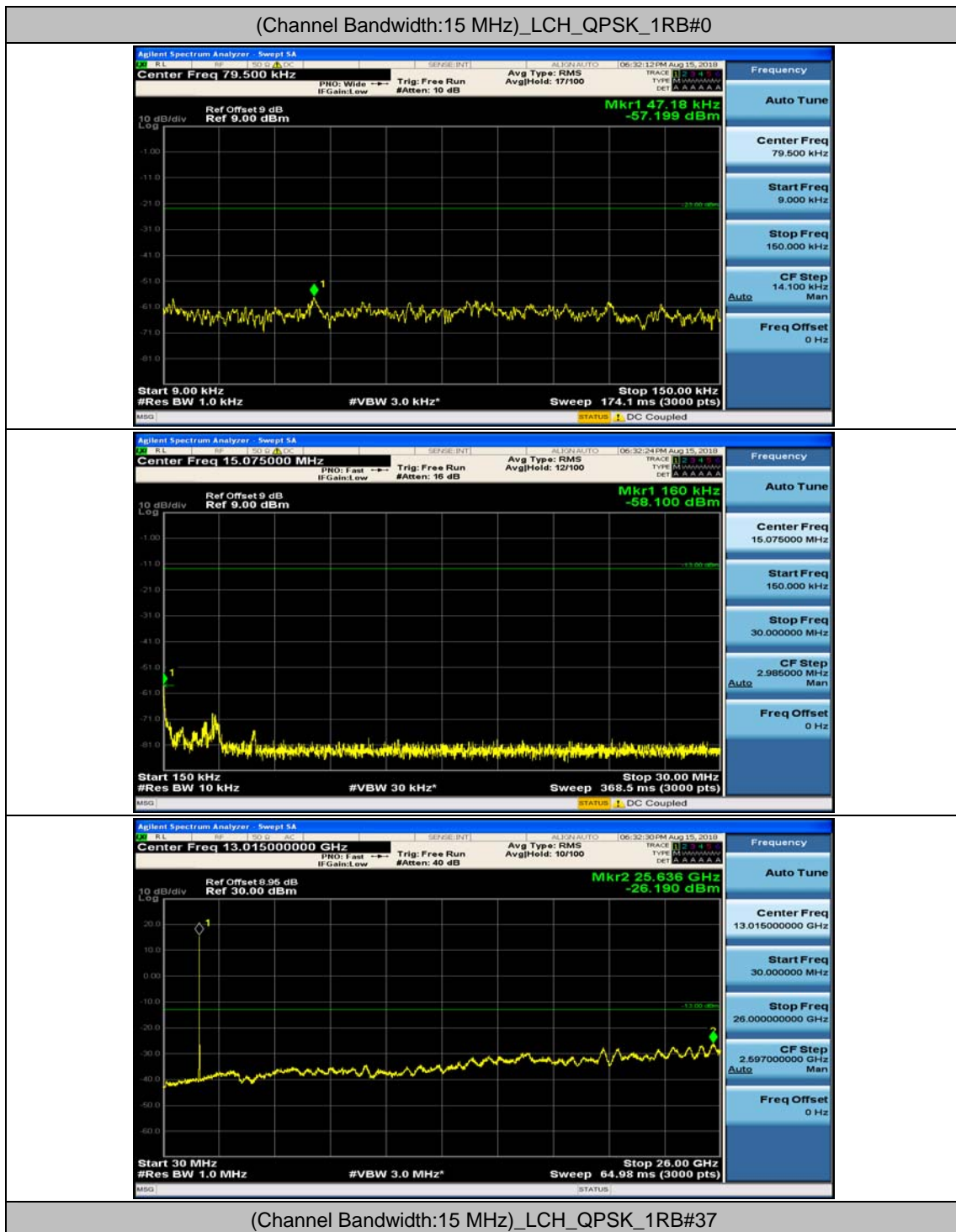
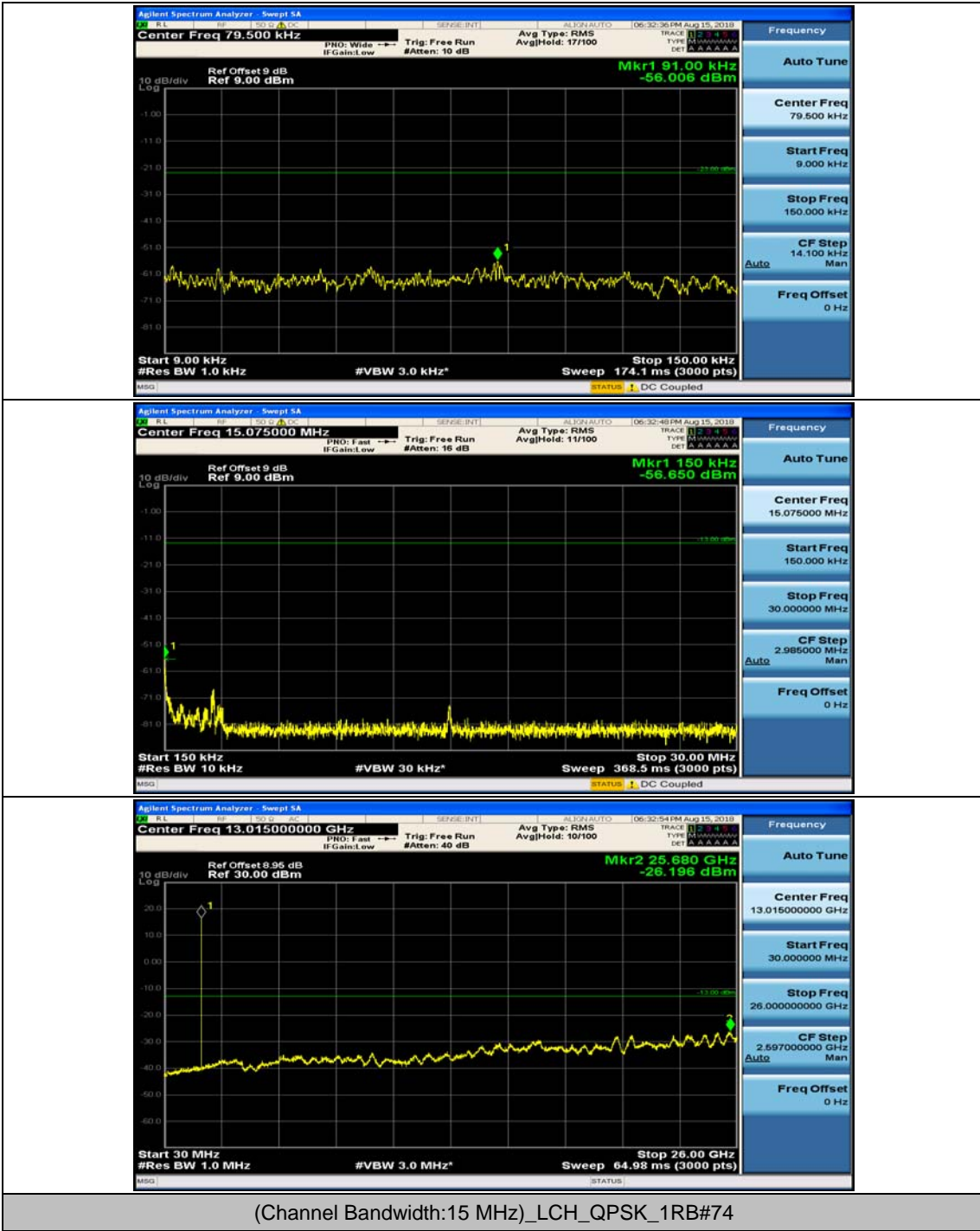
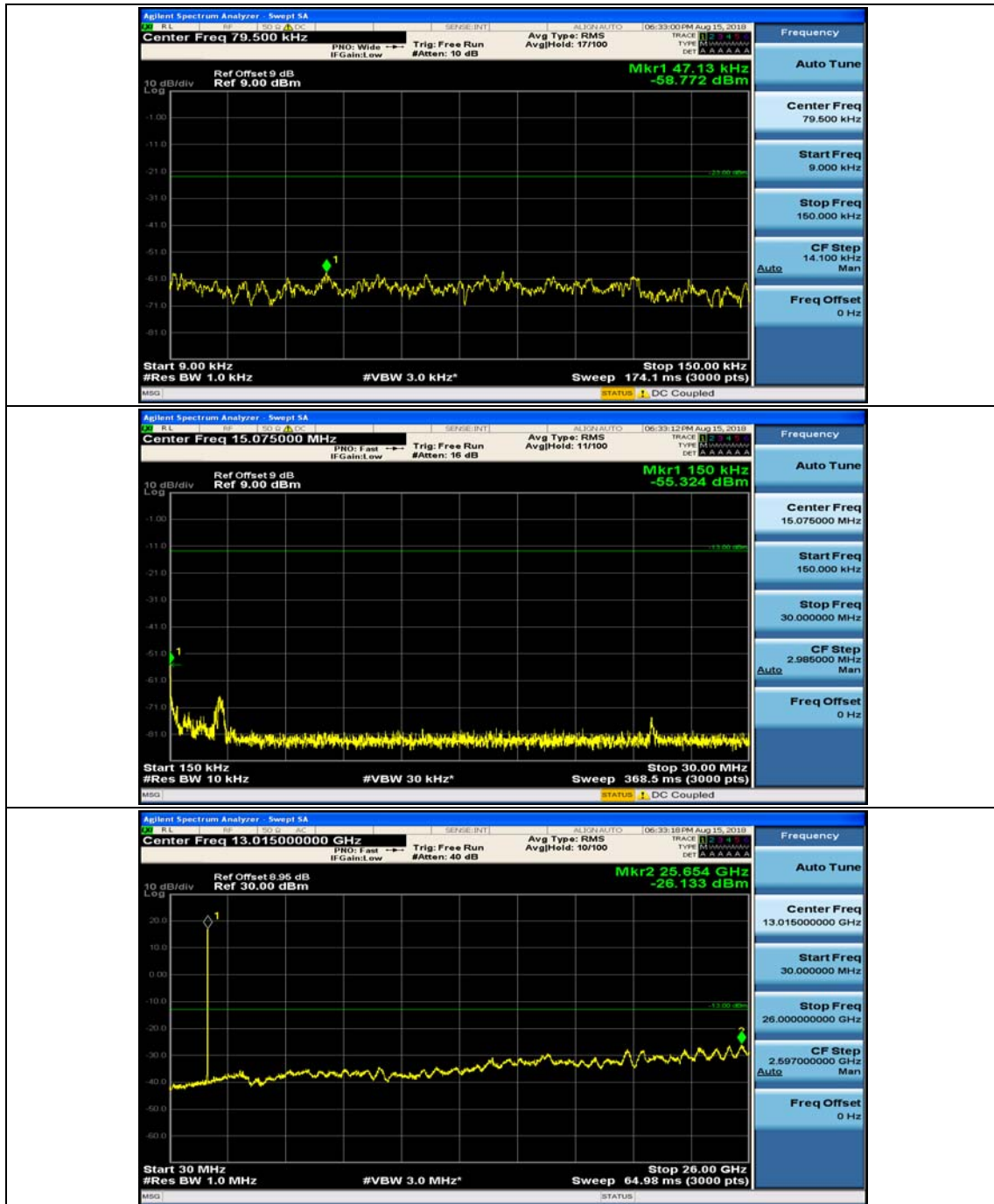


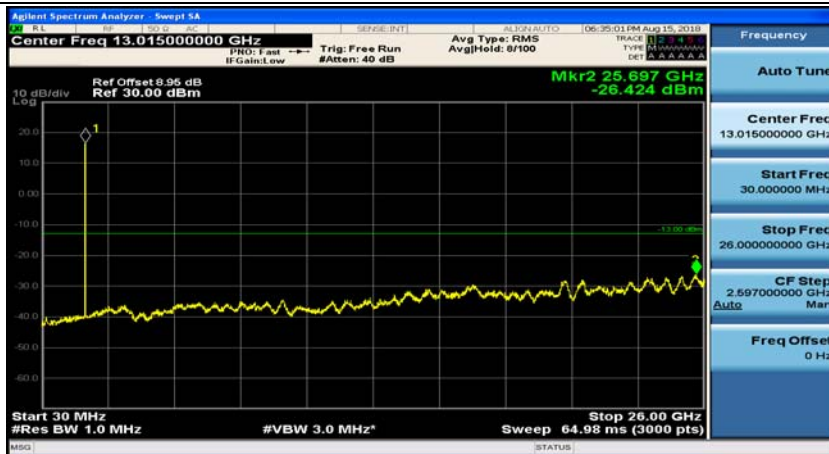
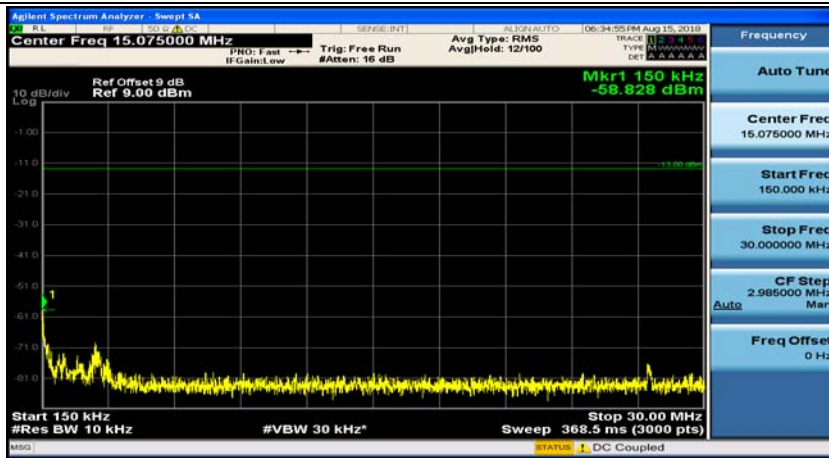
Channel Bandwidth: 15 MHz



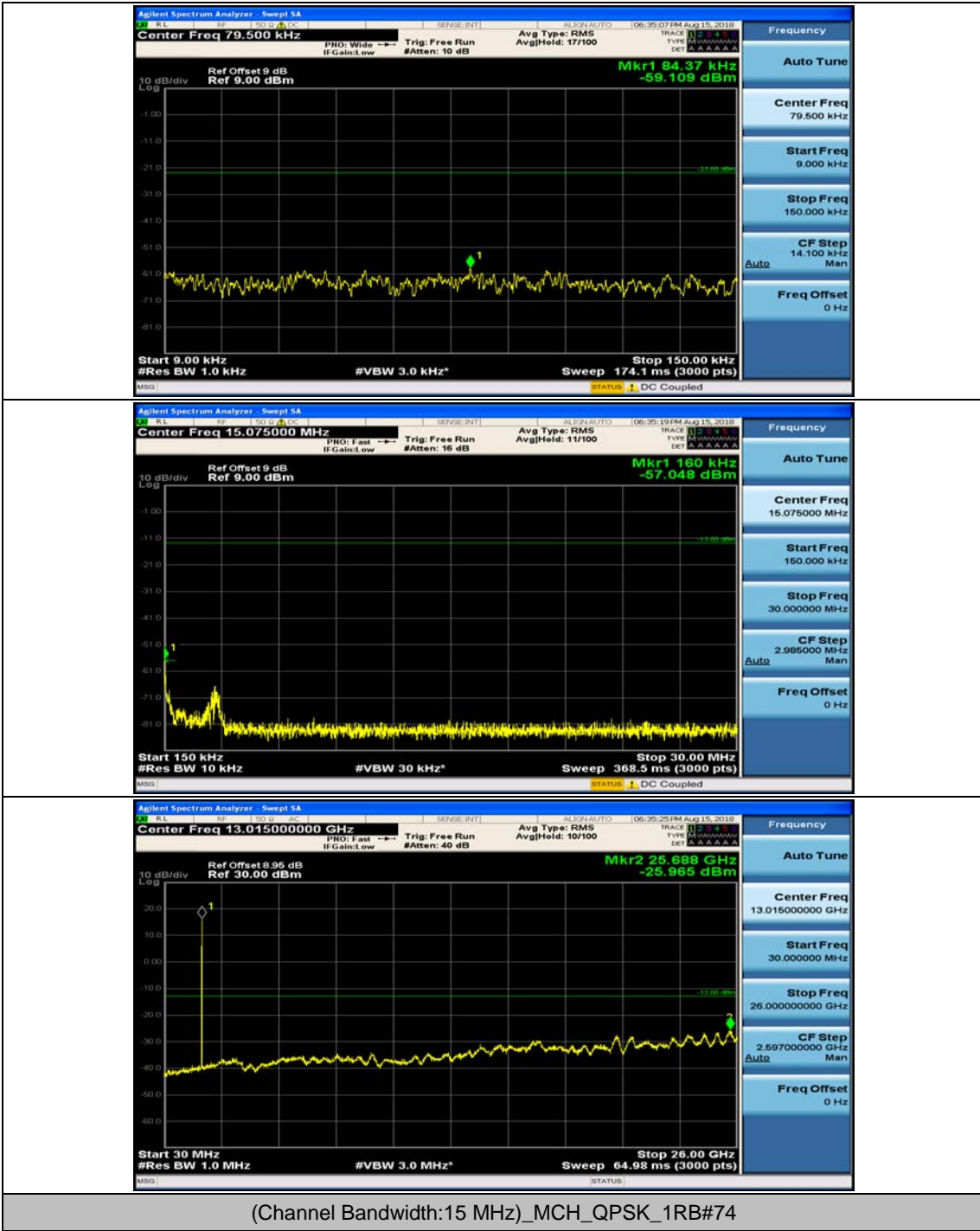


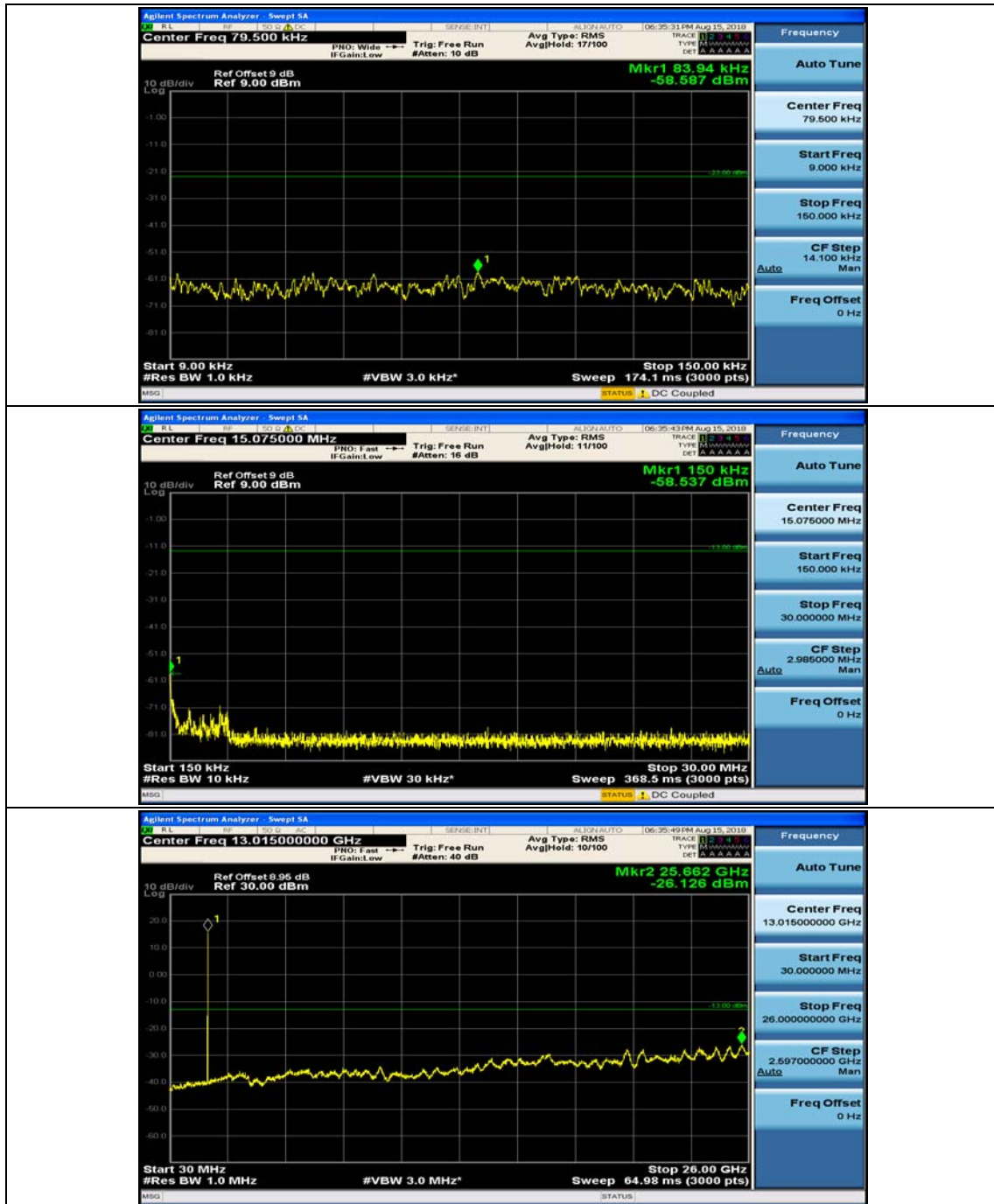


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

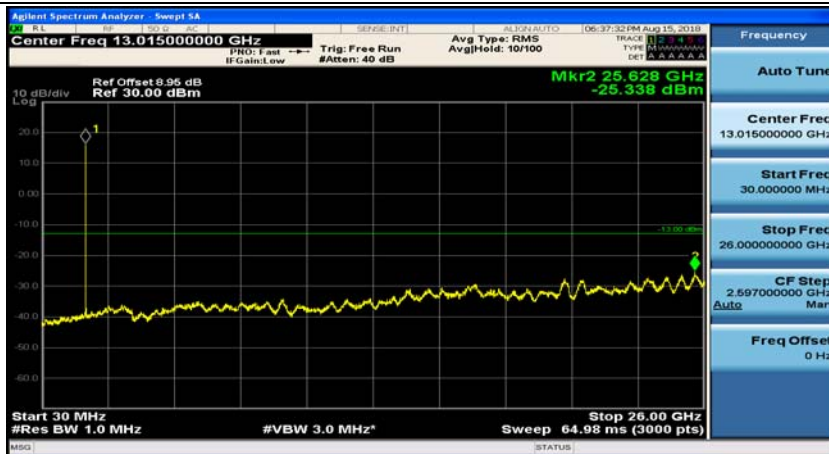
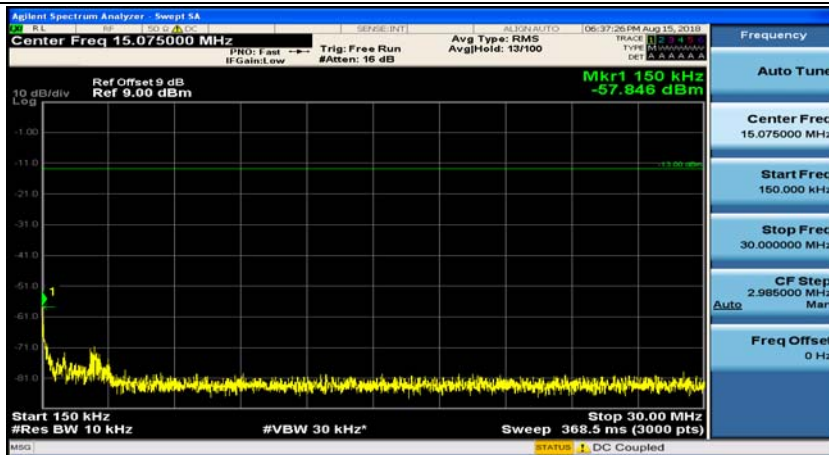
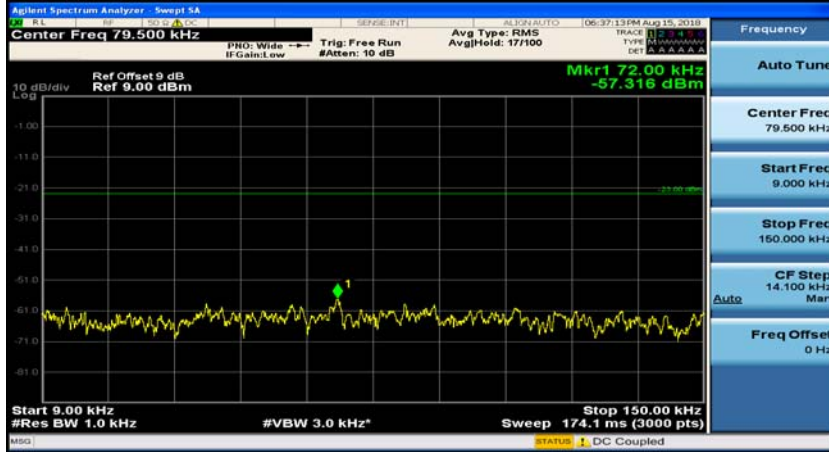


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

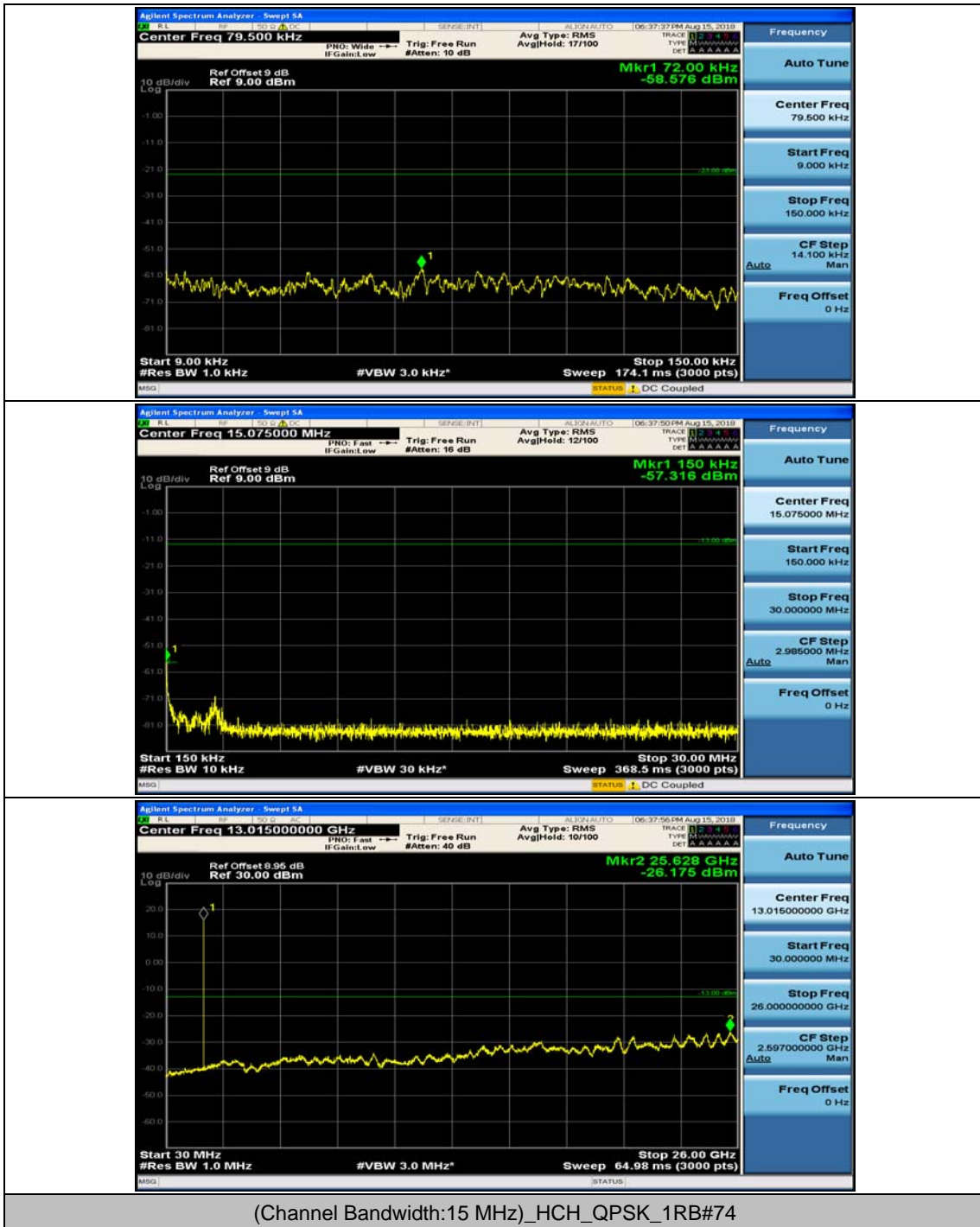


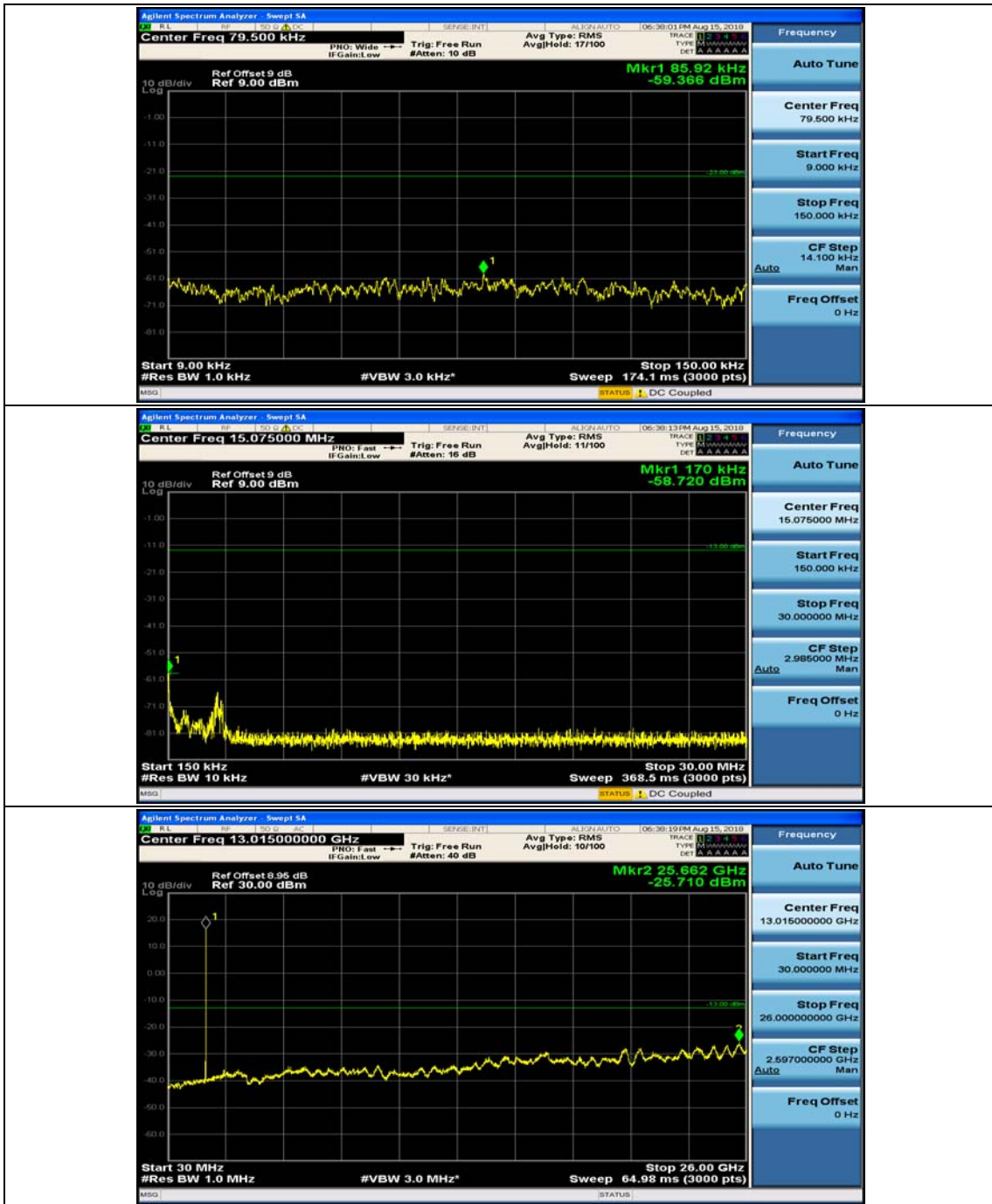


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

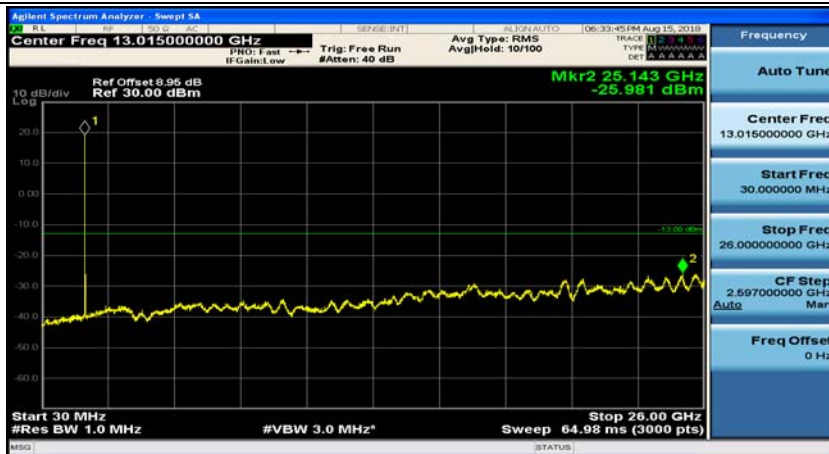
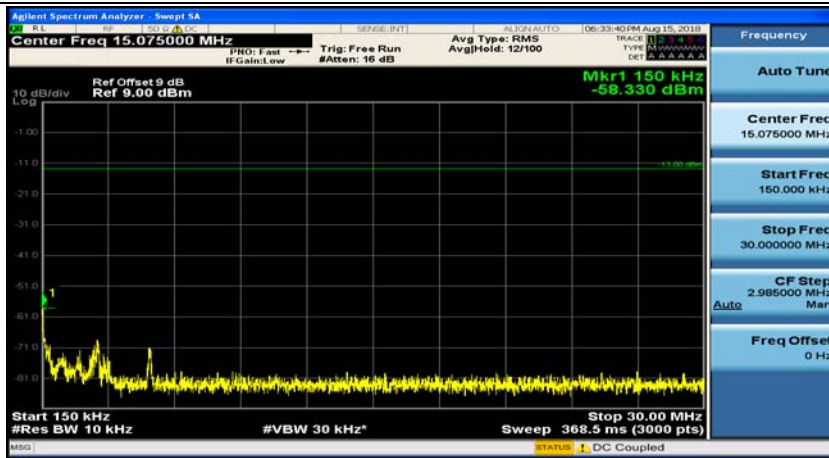
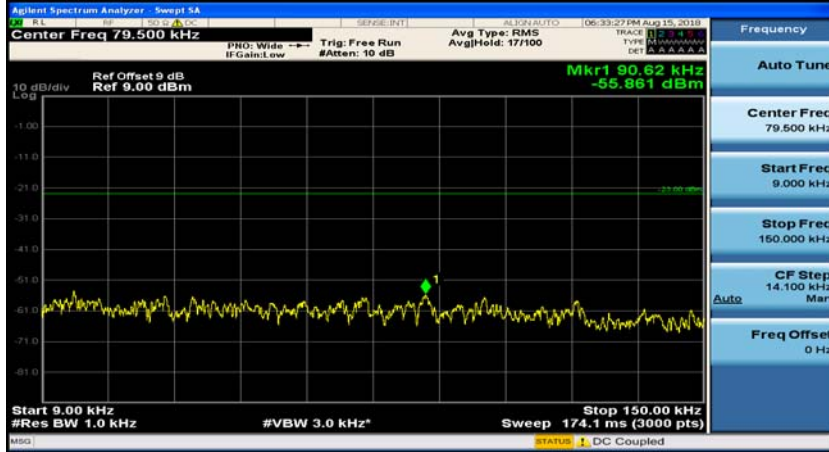


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

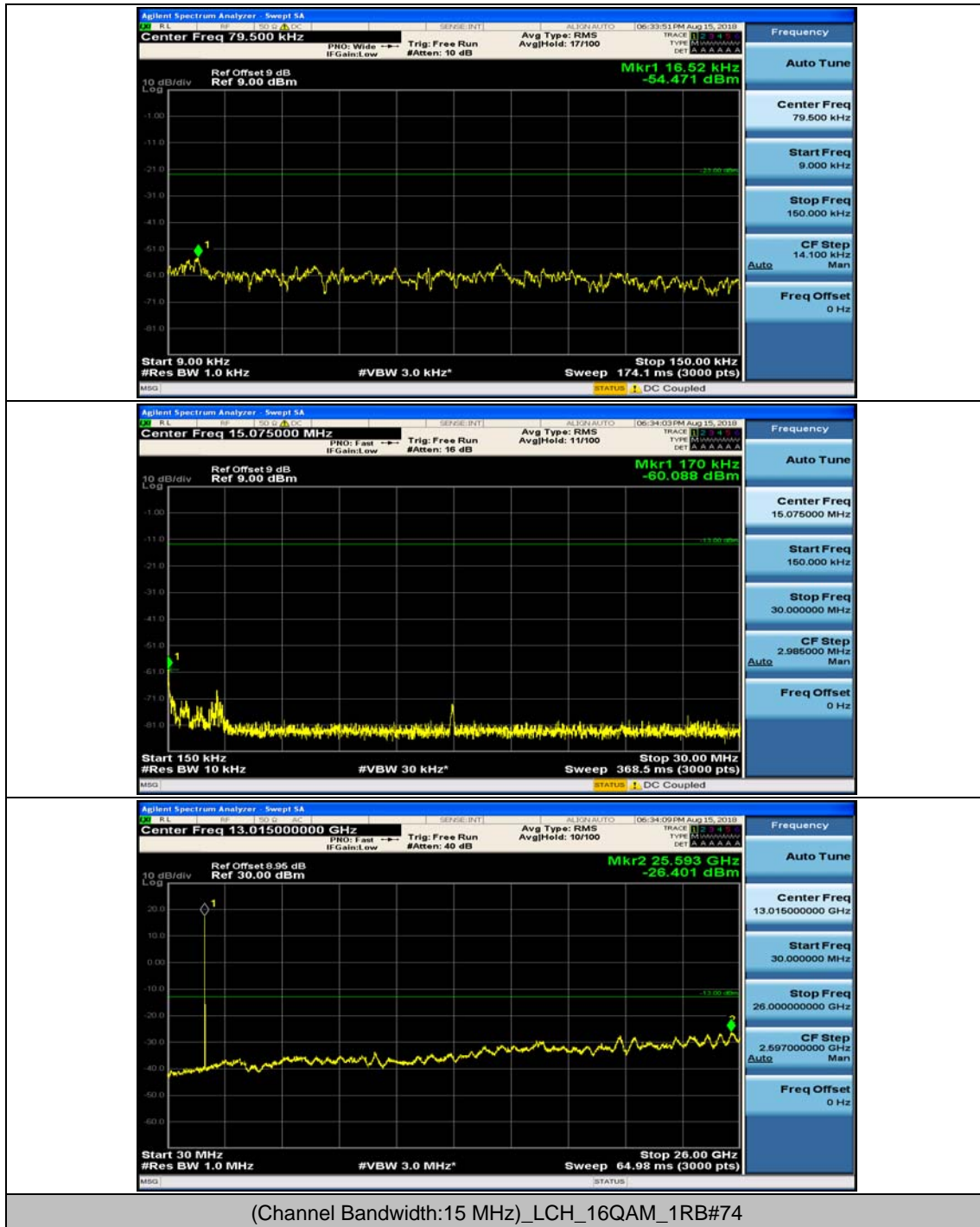


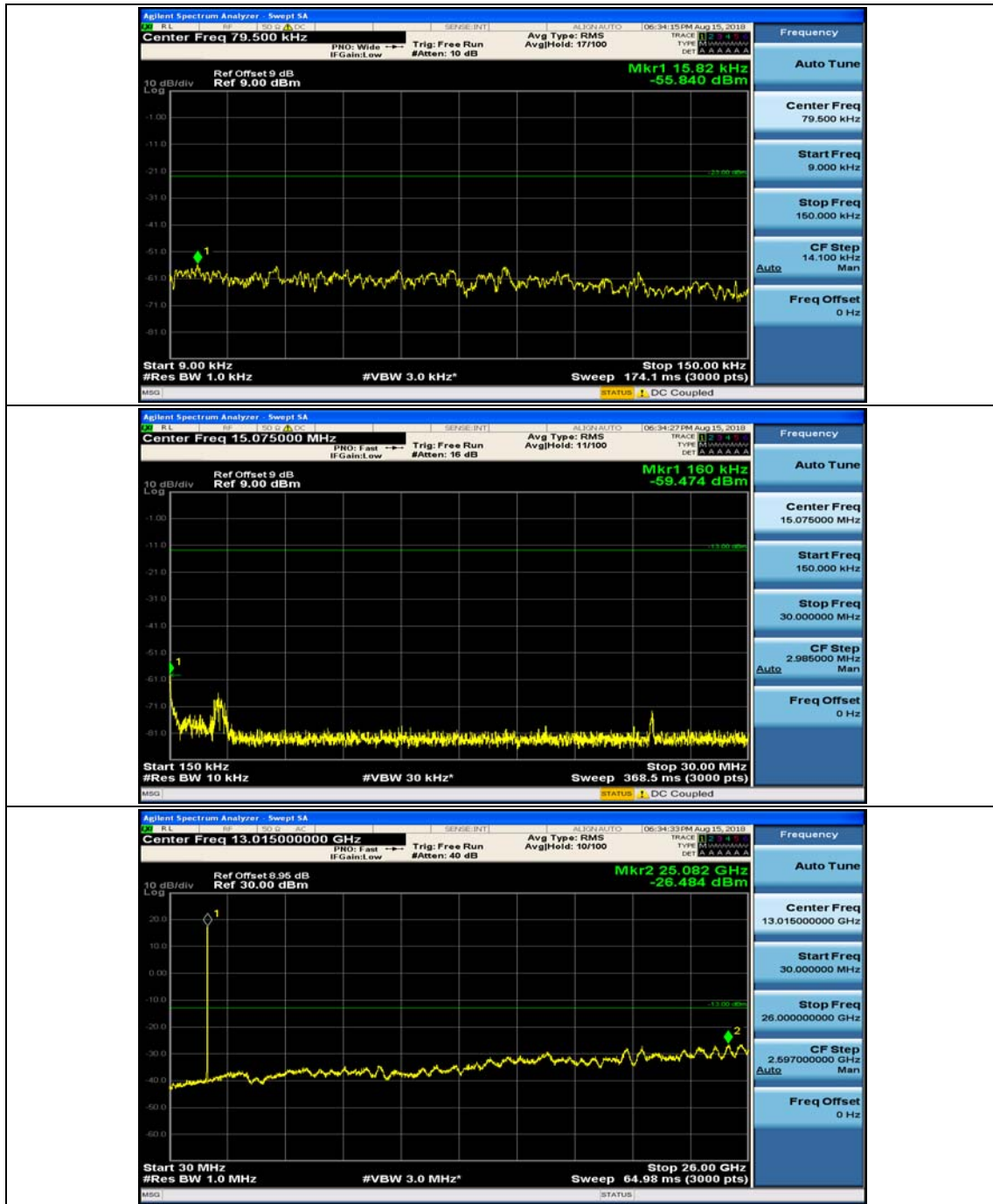


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

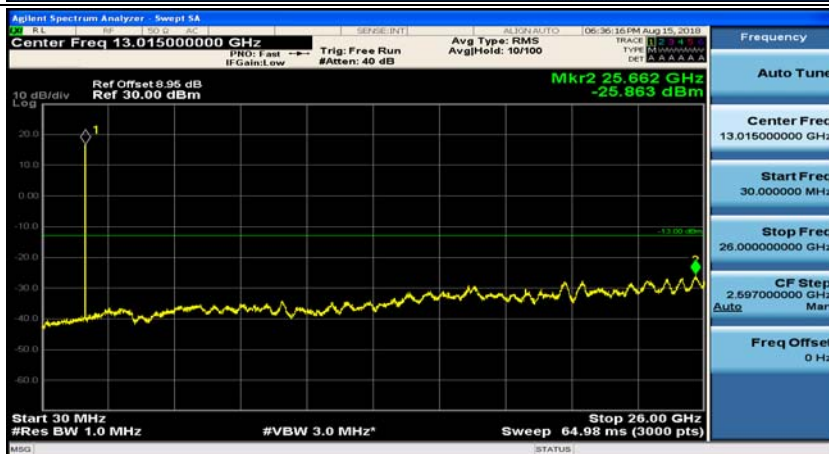
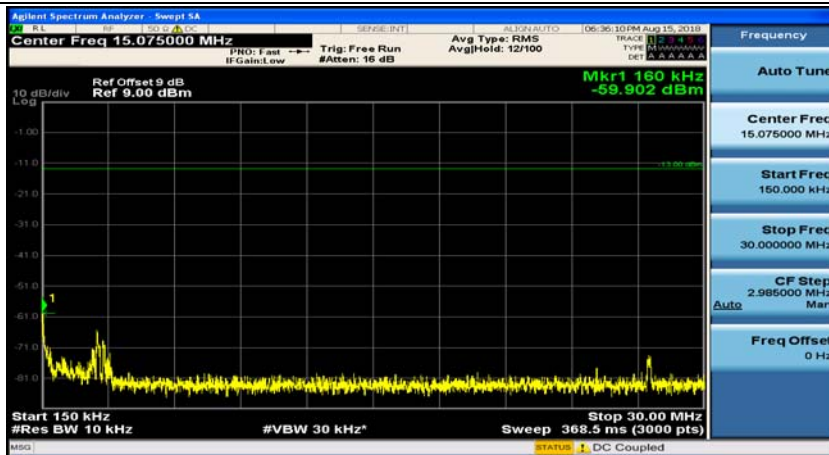
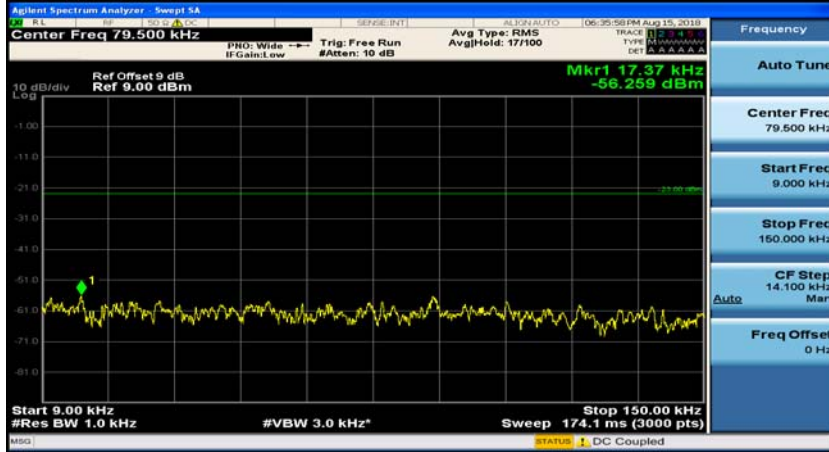


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

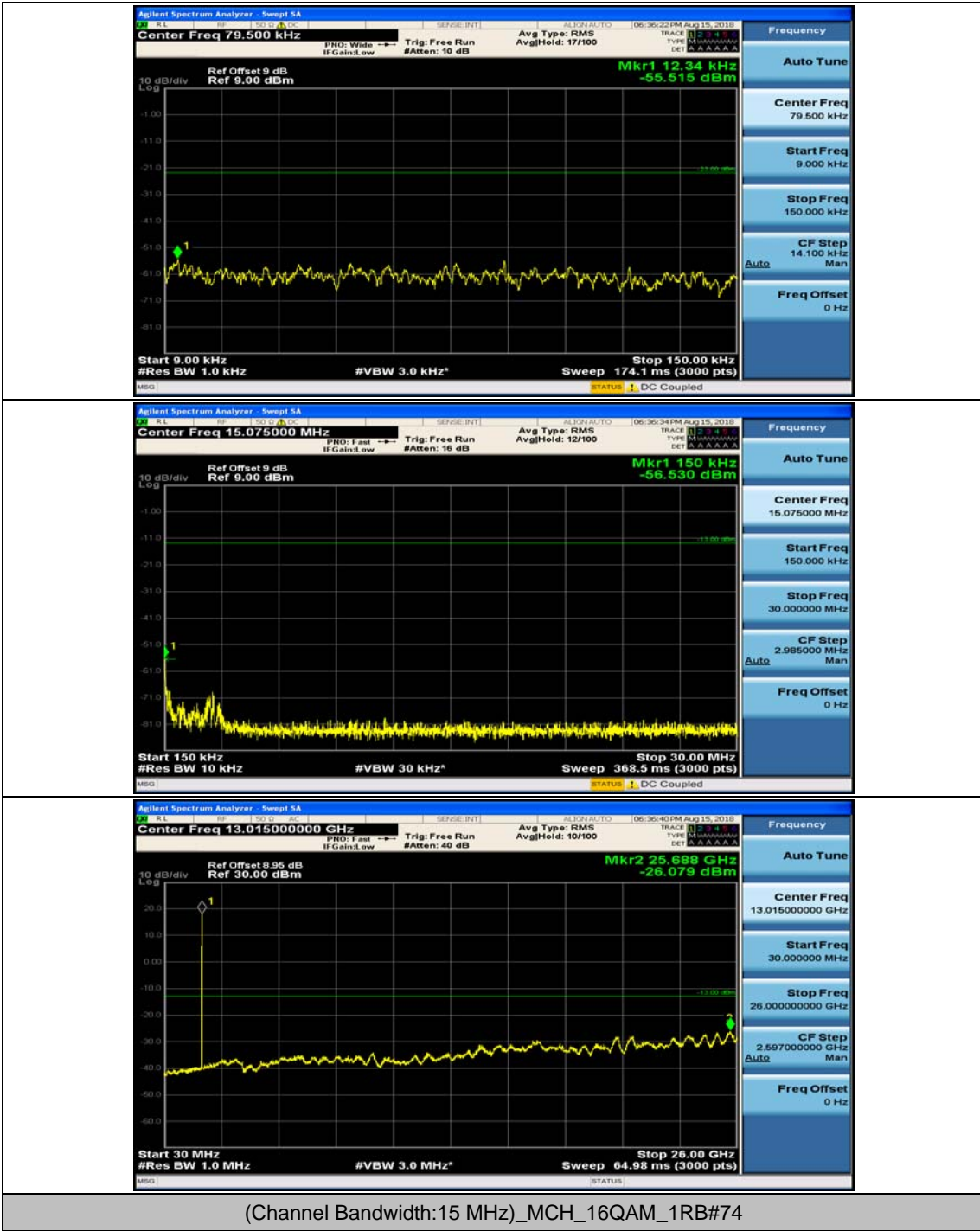


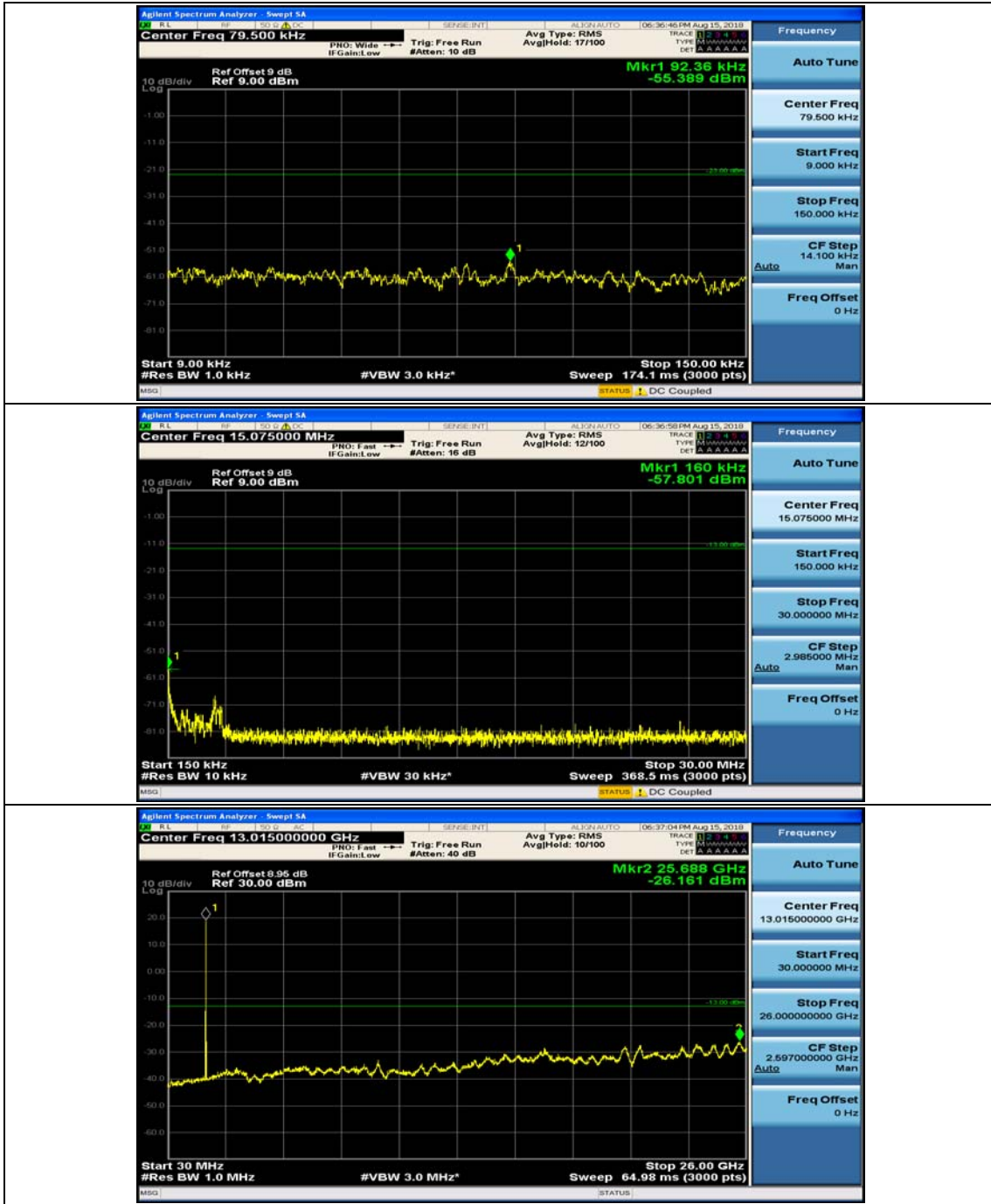


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

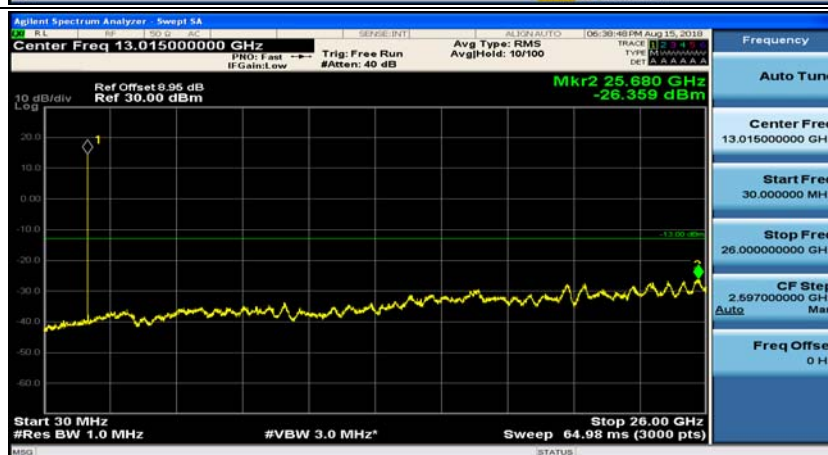
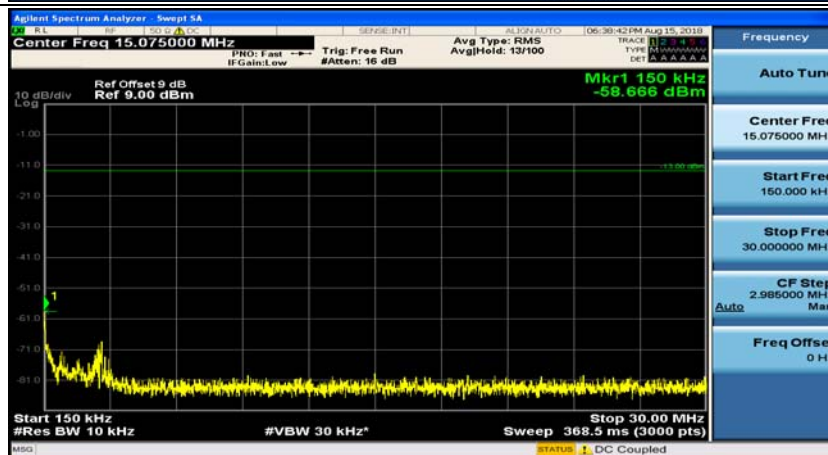
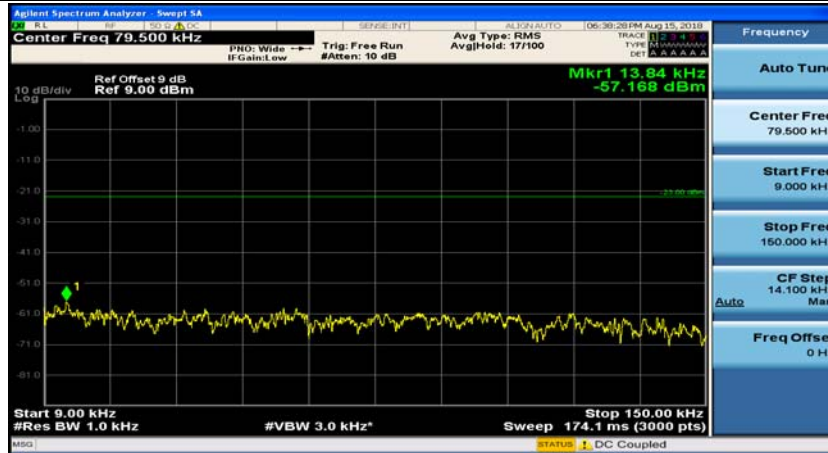


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

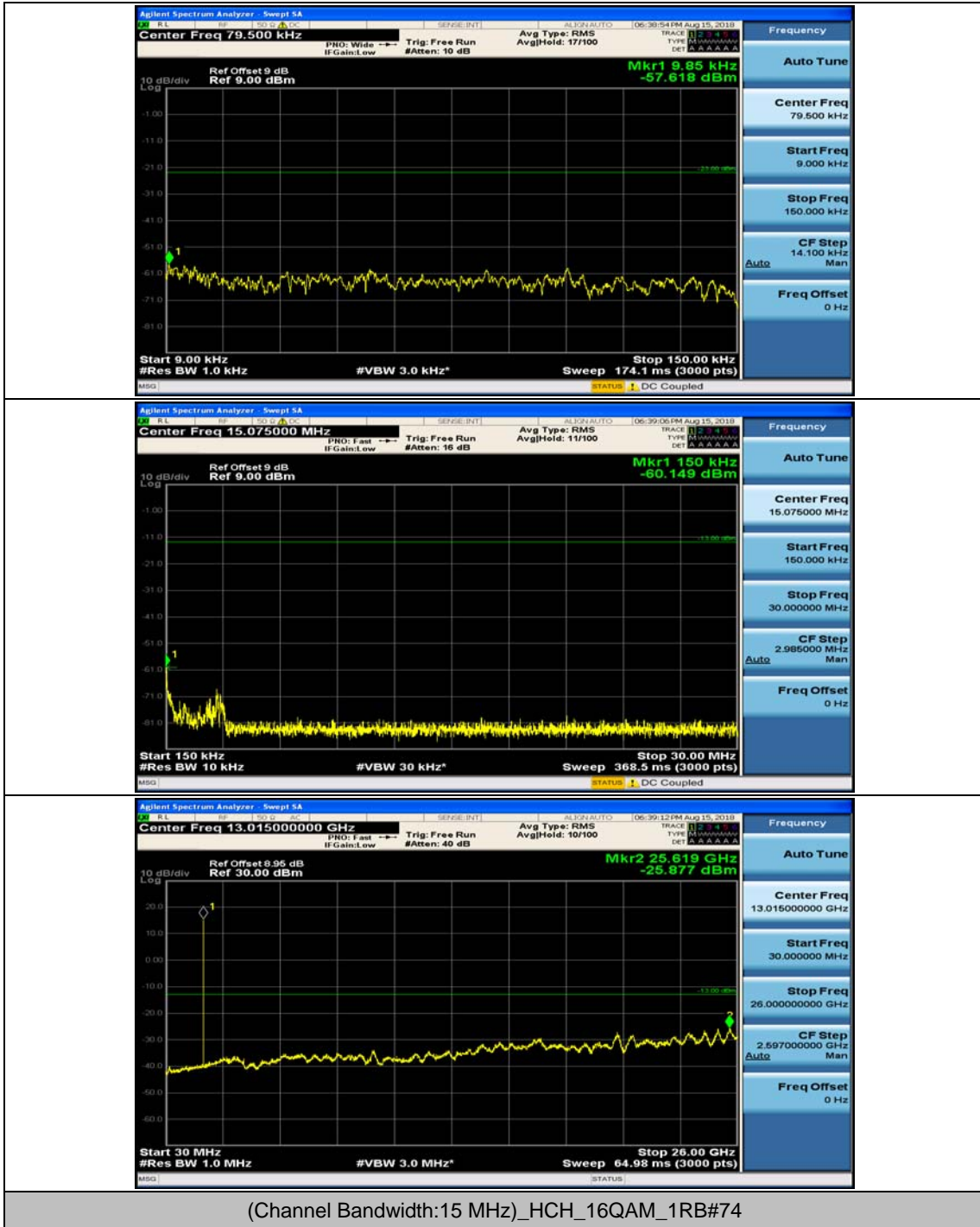


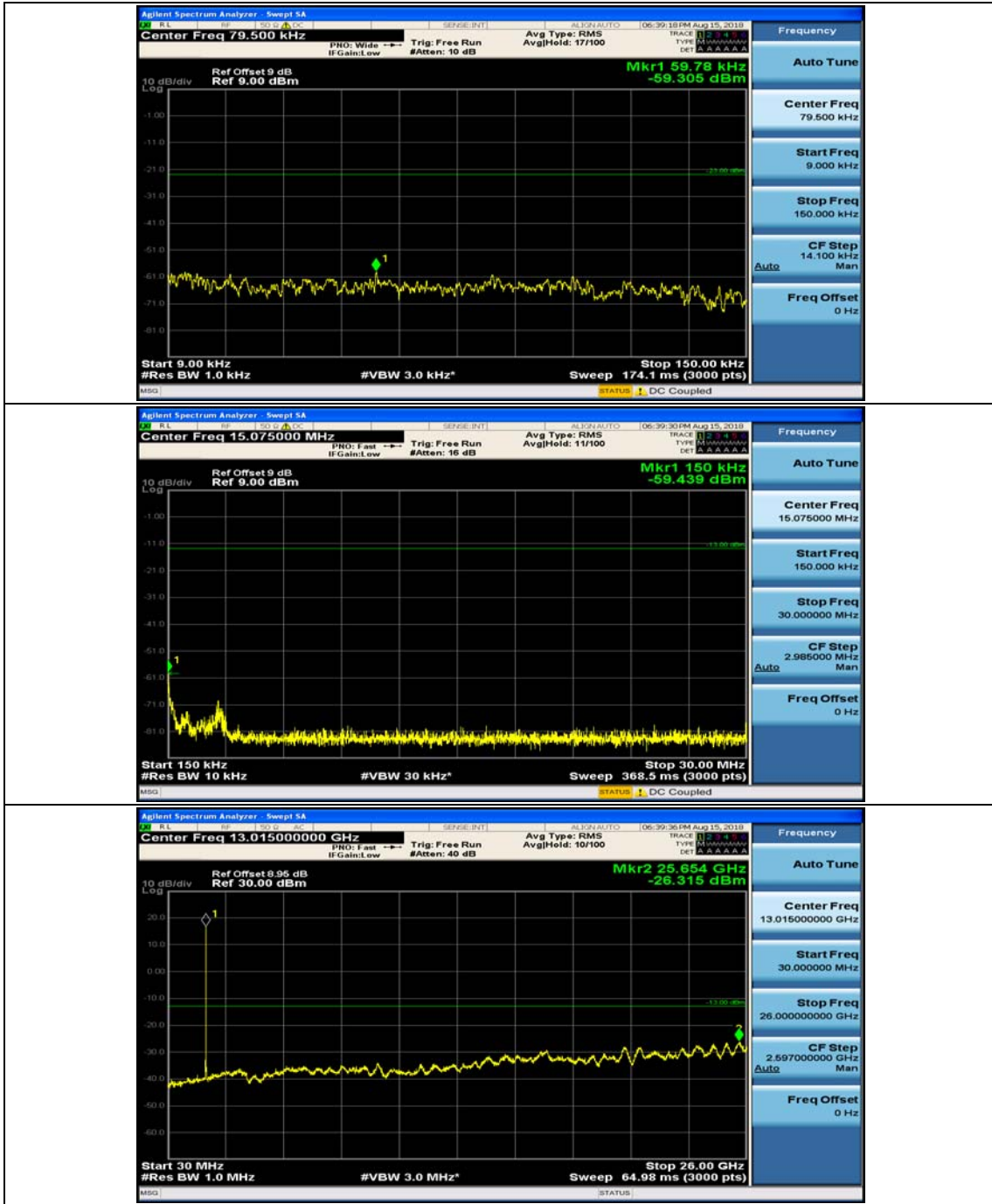


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

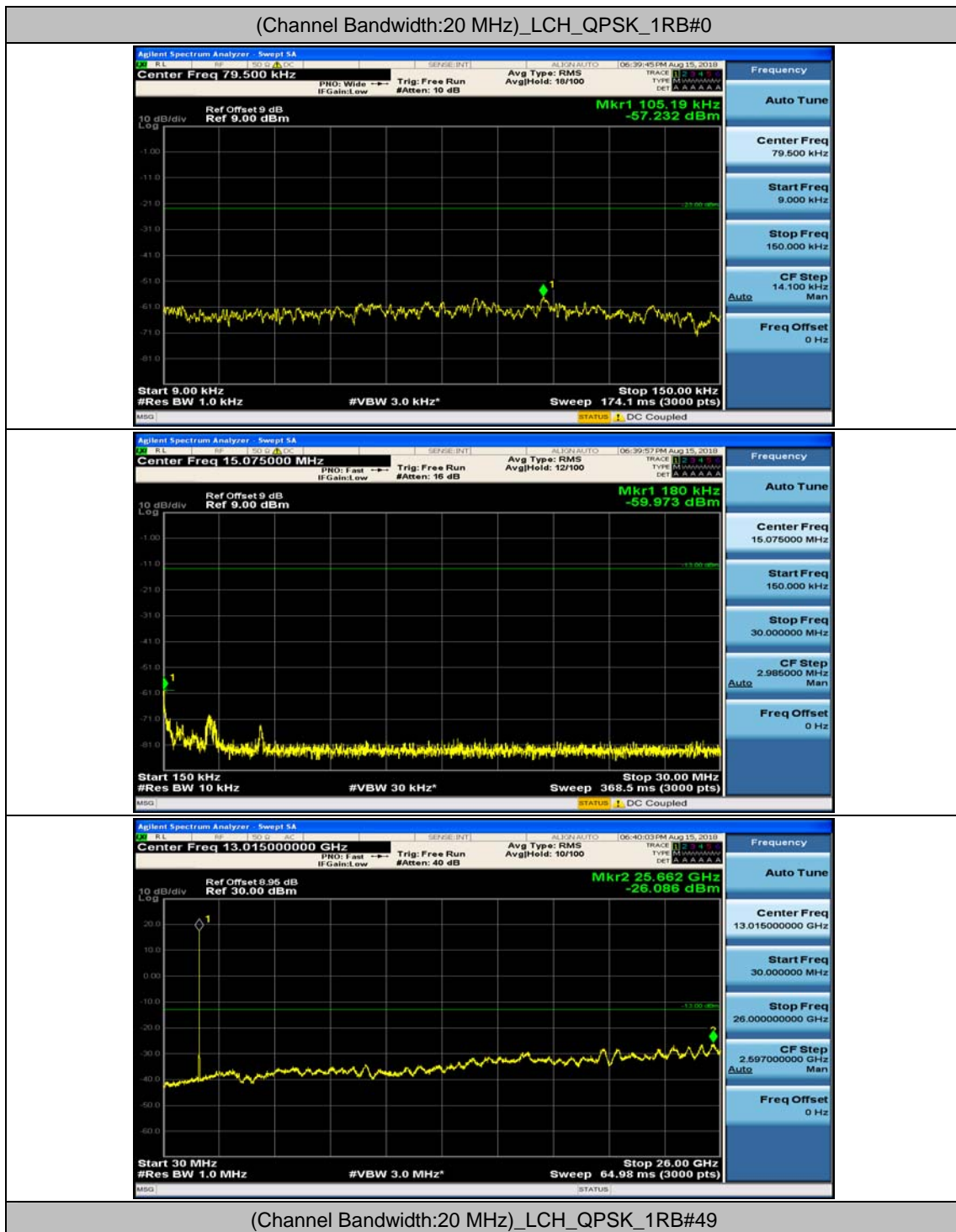


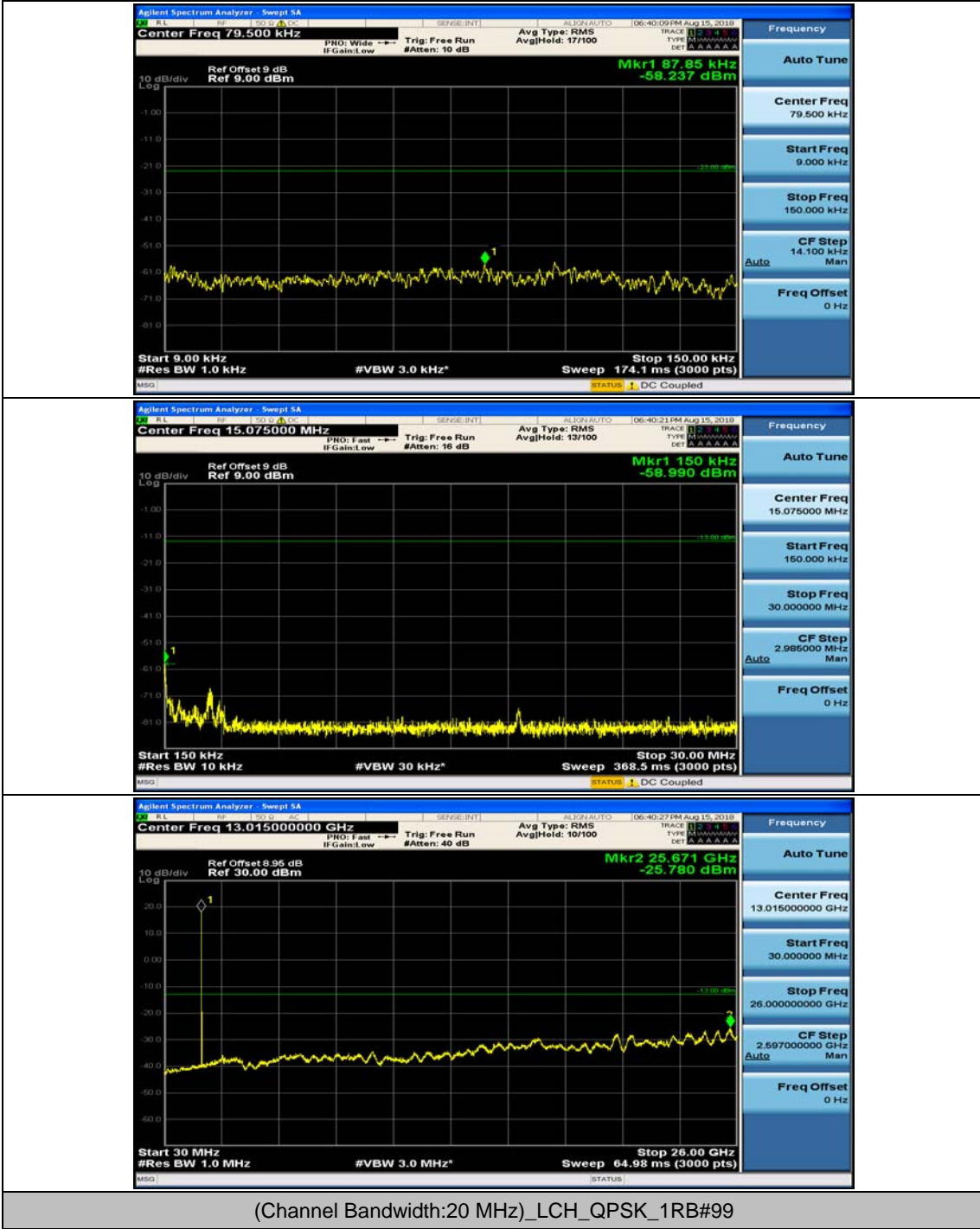
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

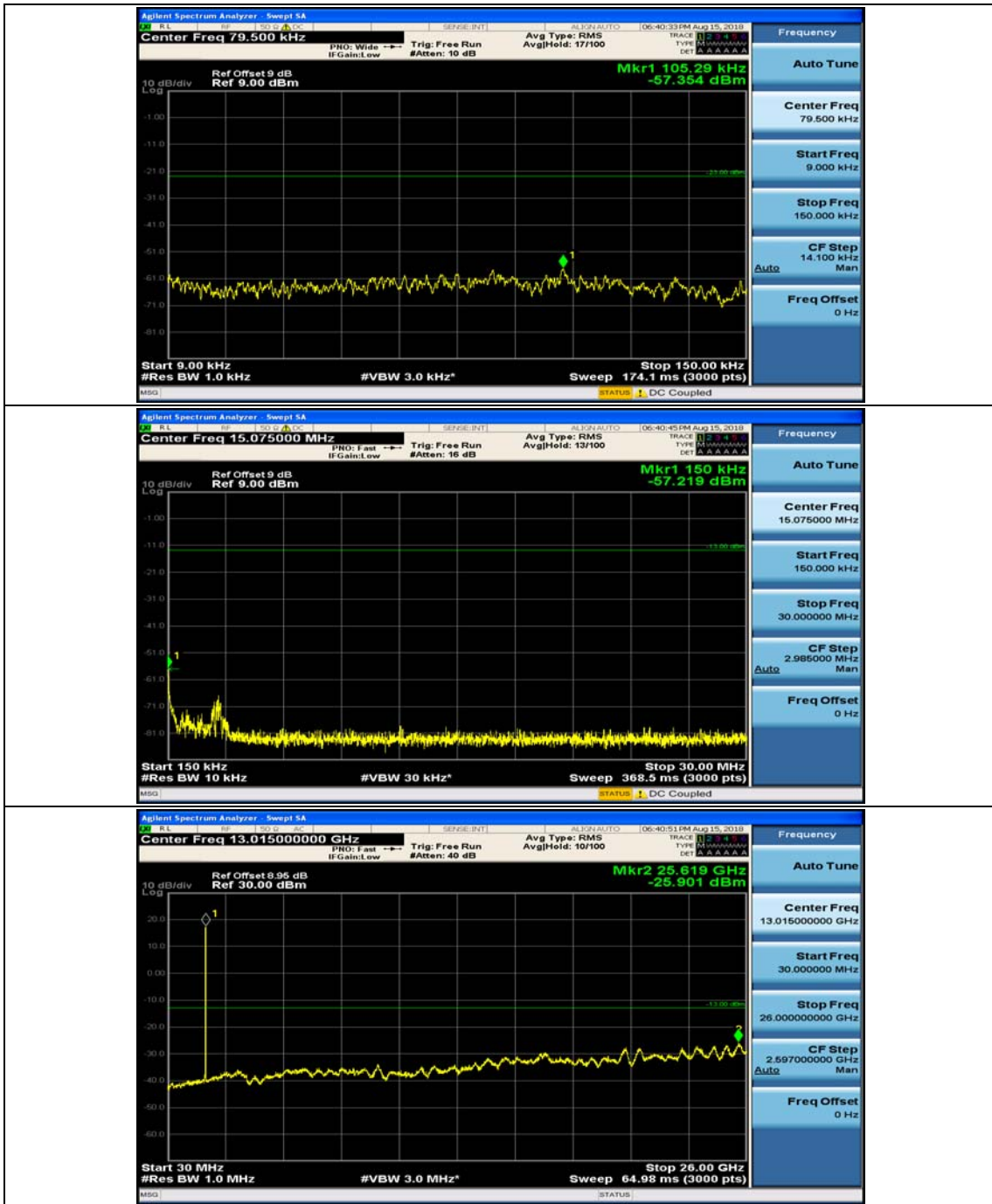




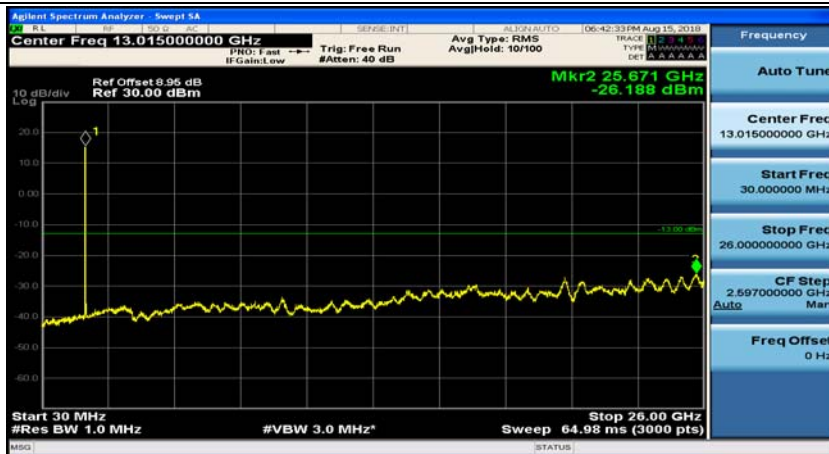
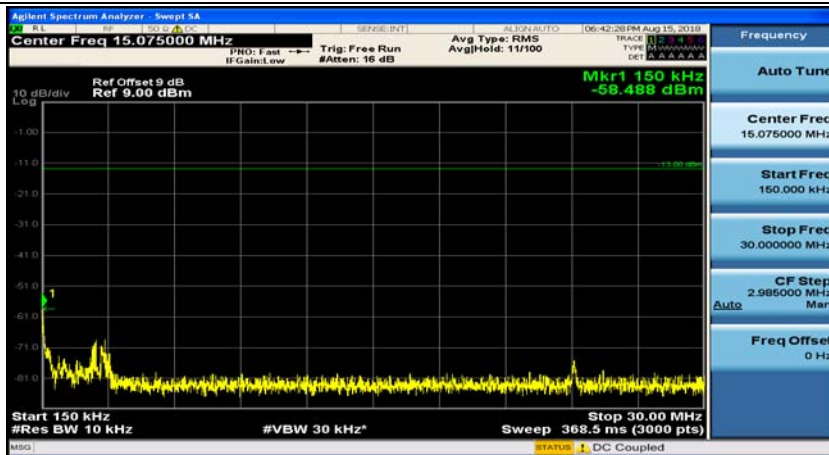
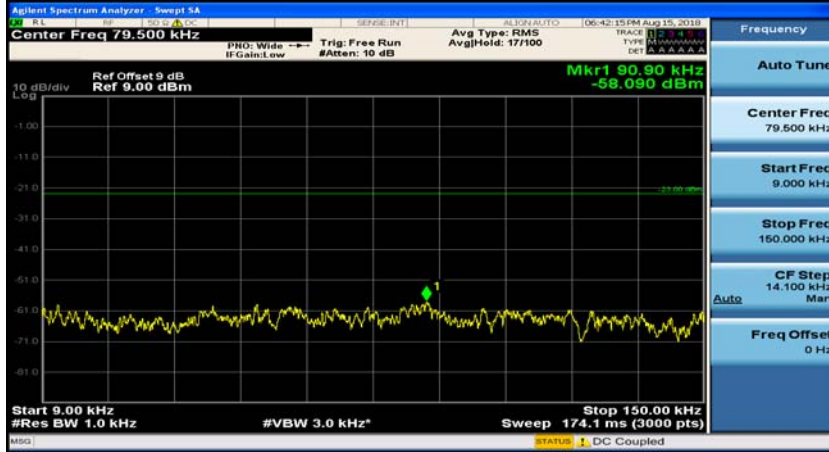
Channel Bandwidth: 20 MHz



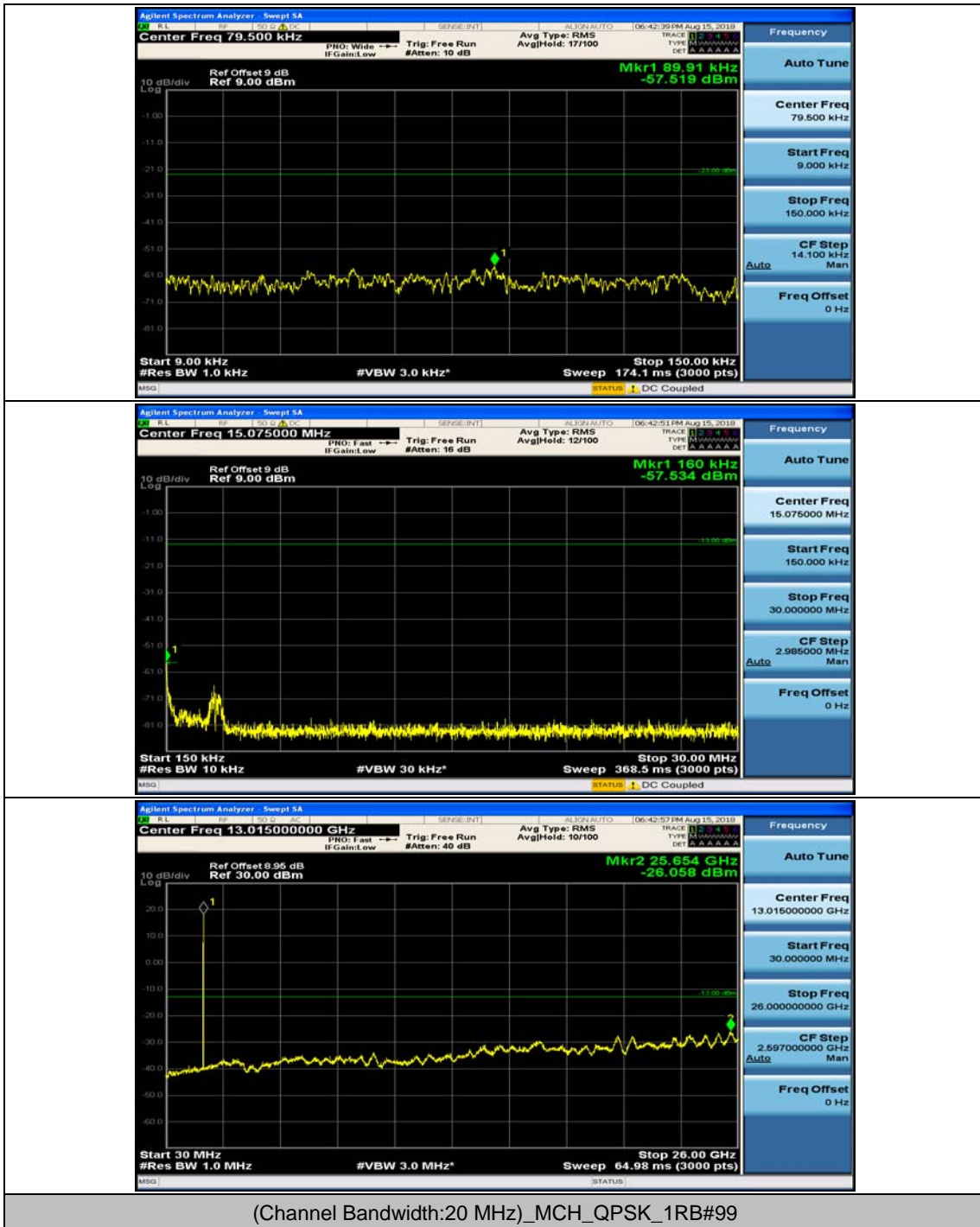


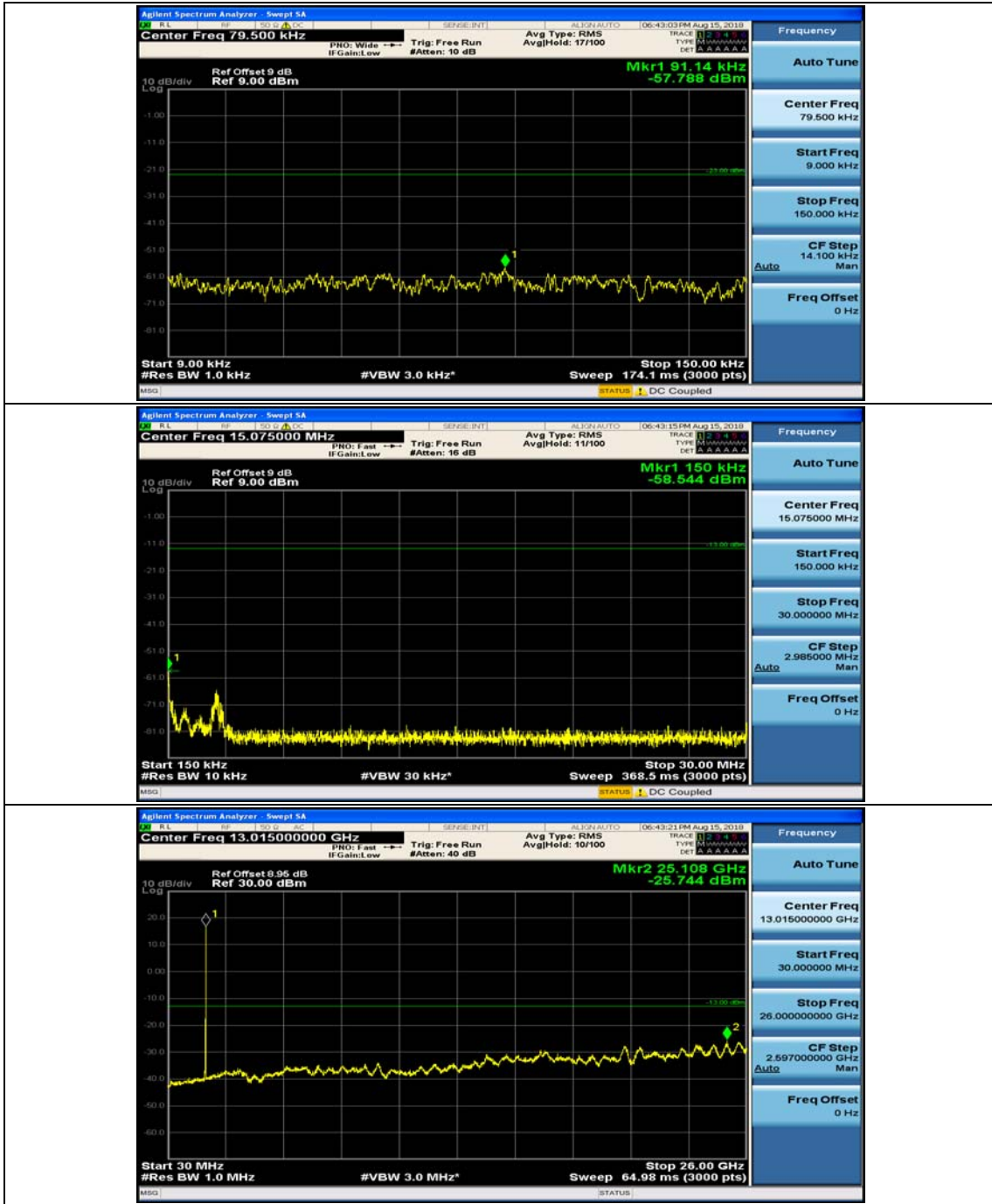


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

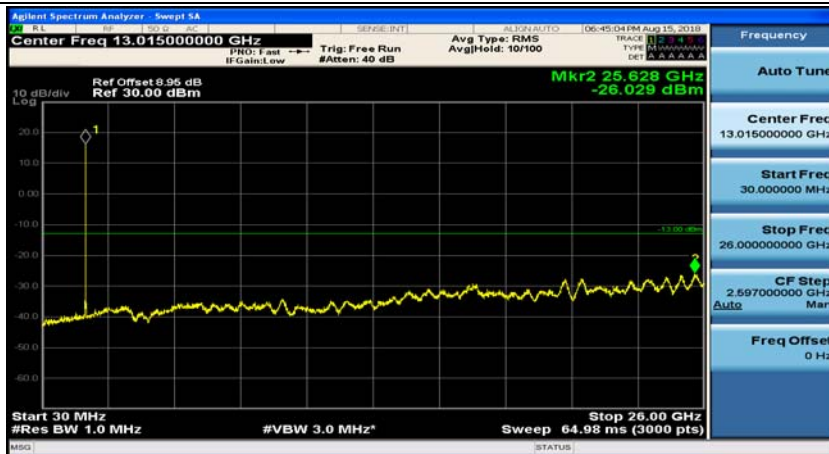
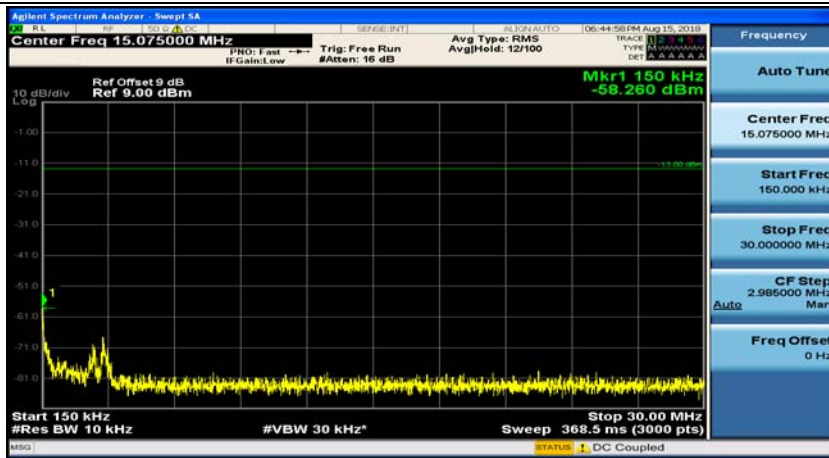
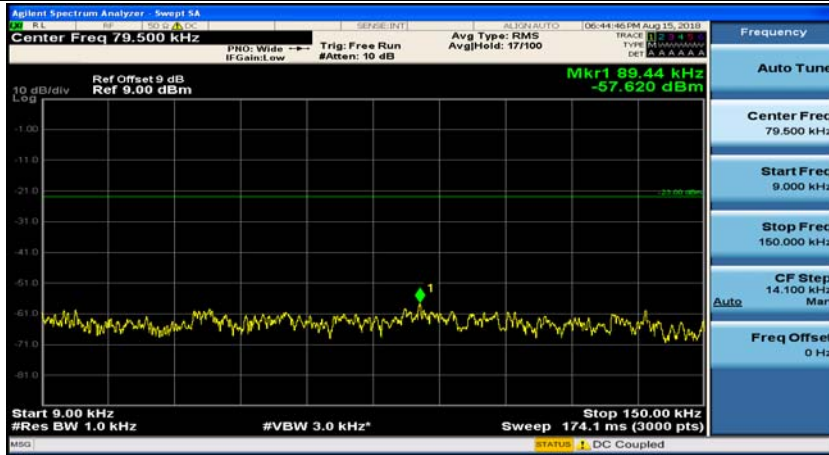


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

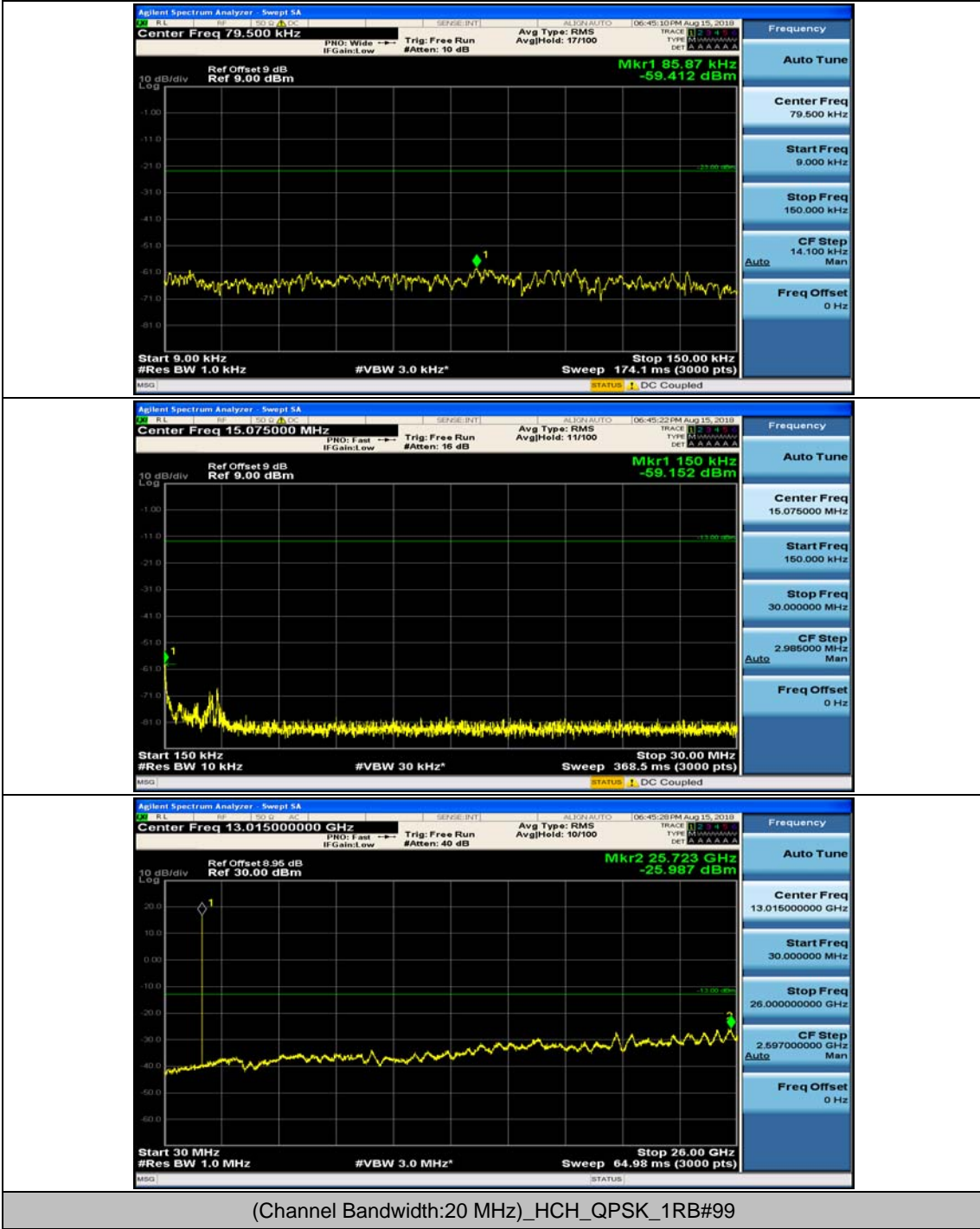


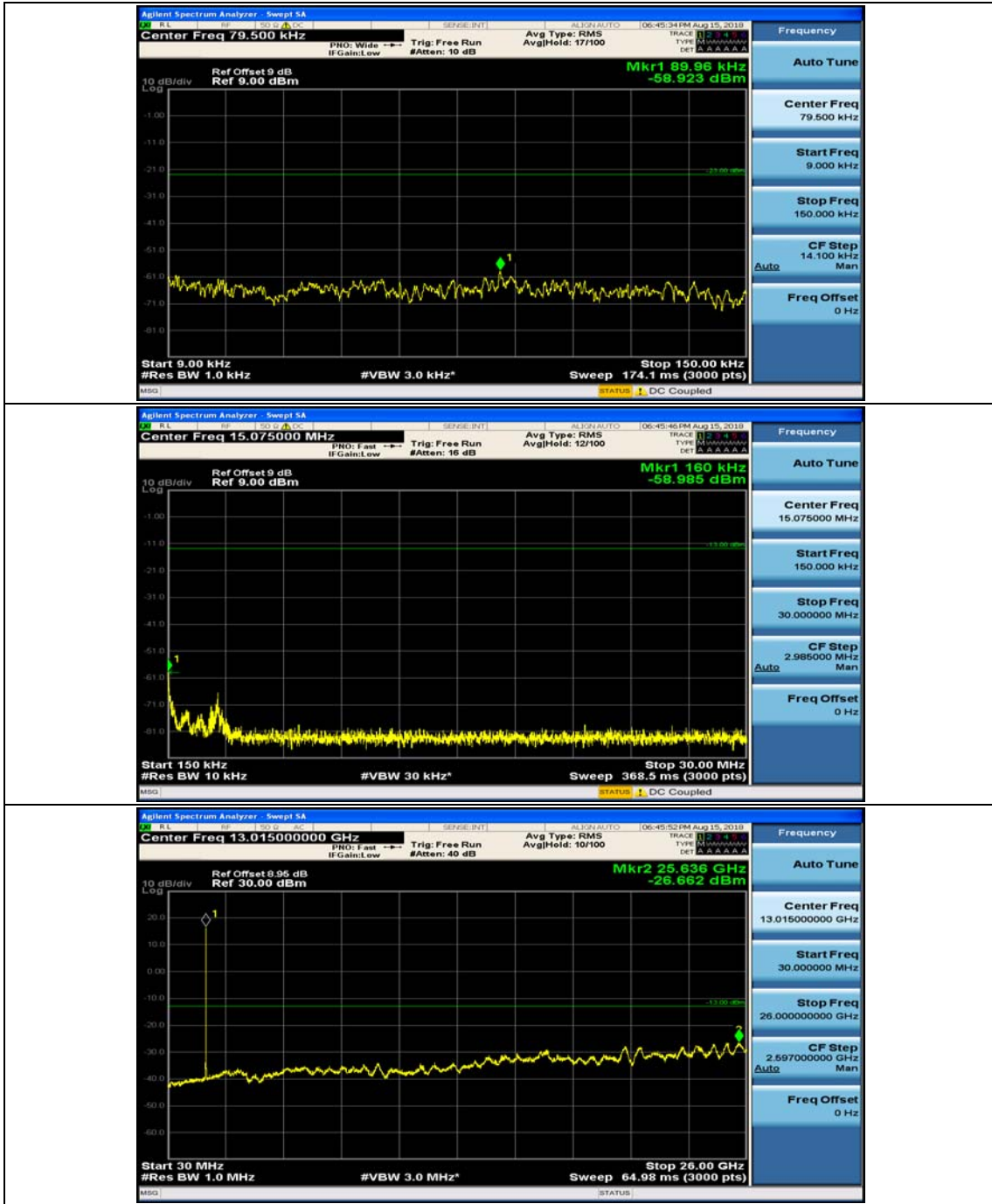


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

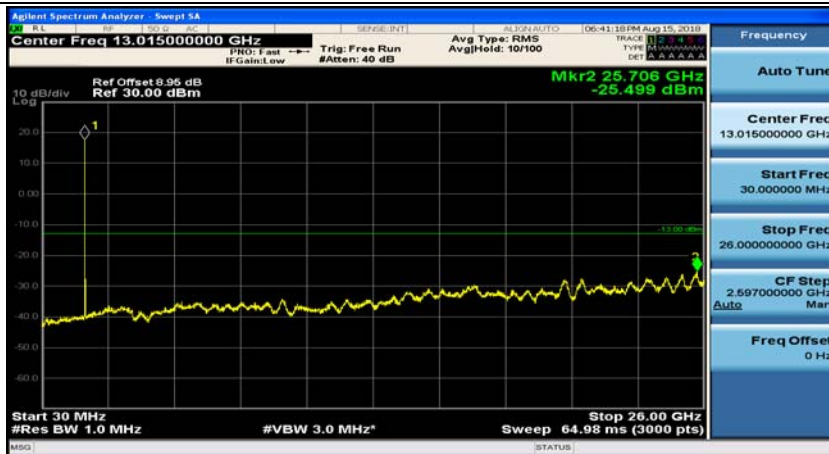
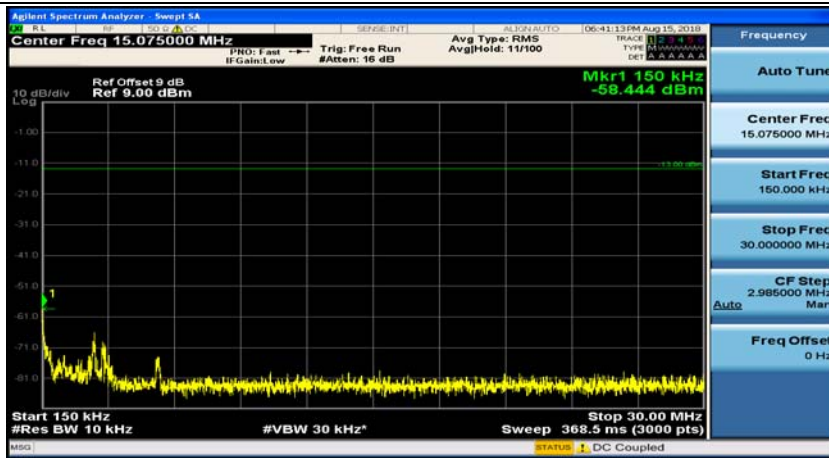
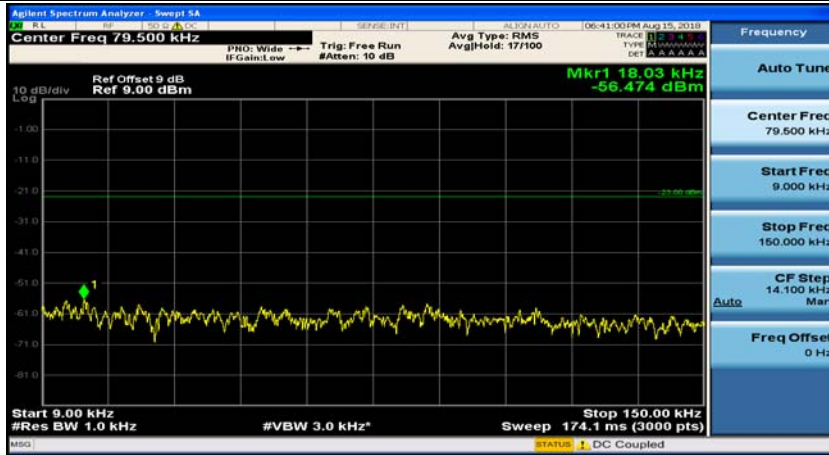


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

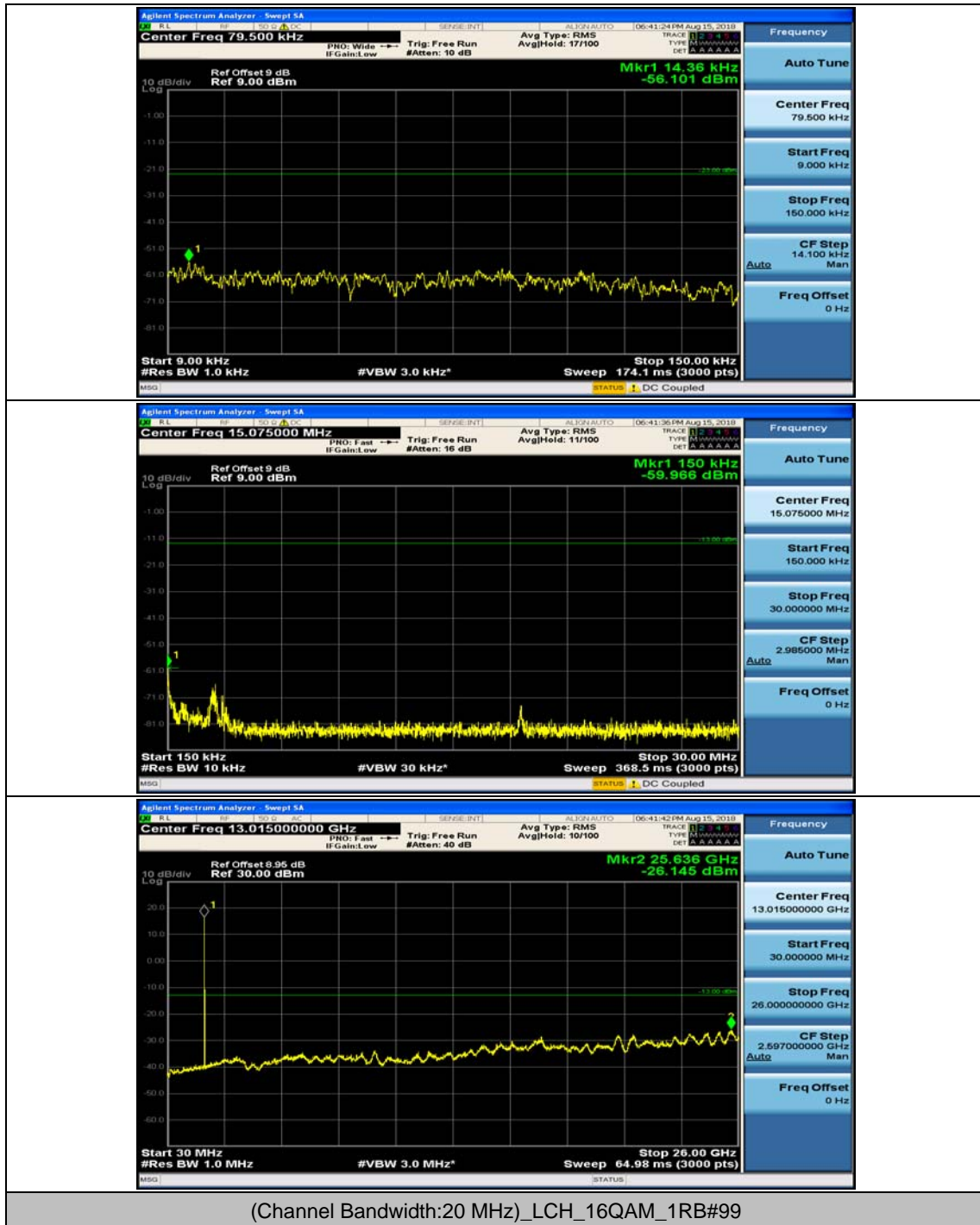


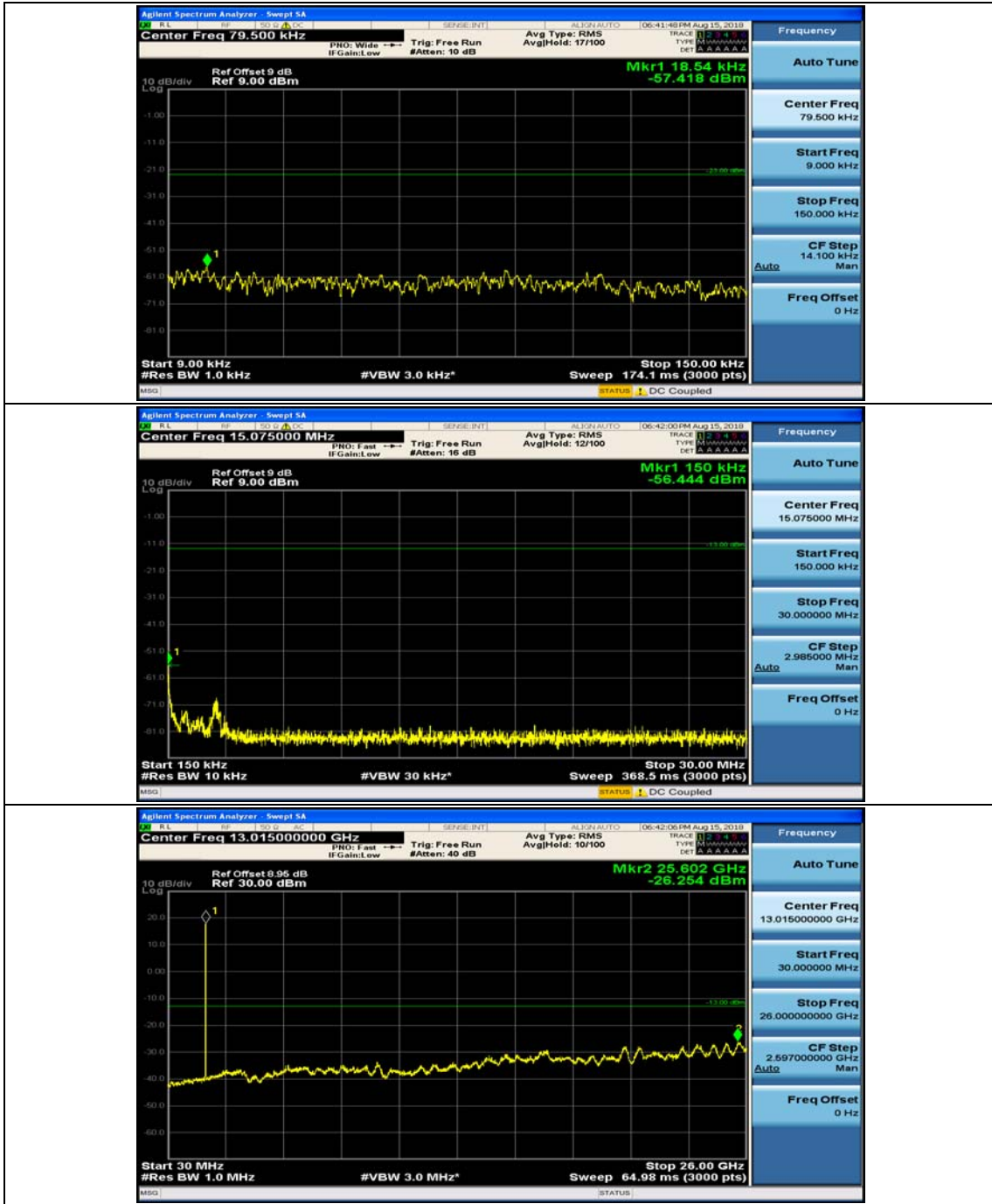


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

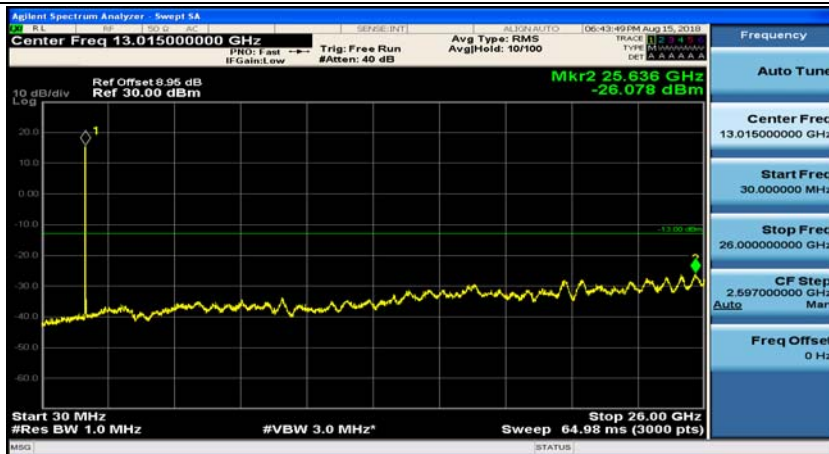
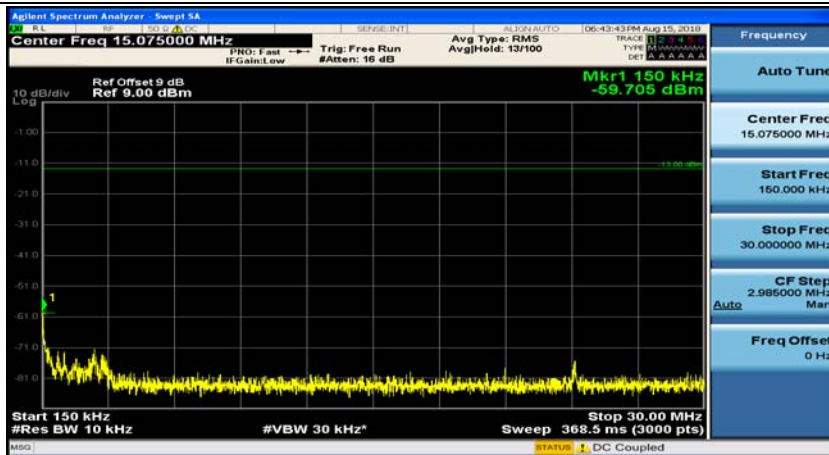


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

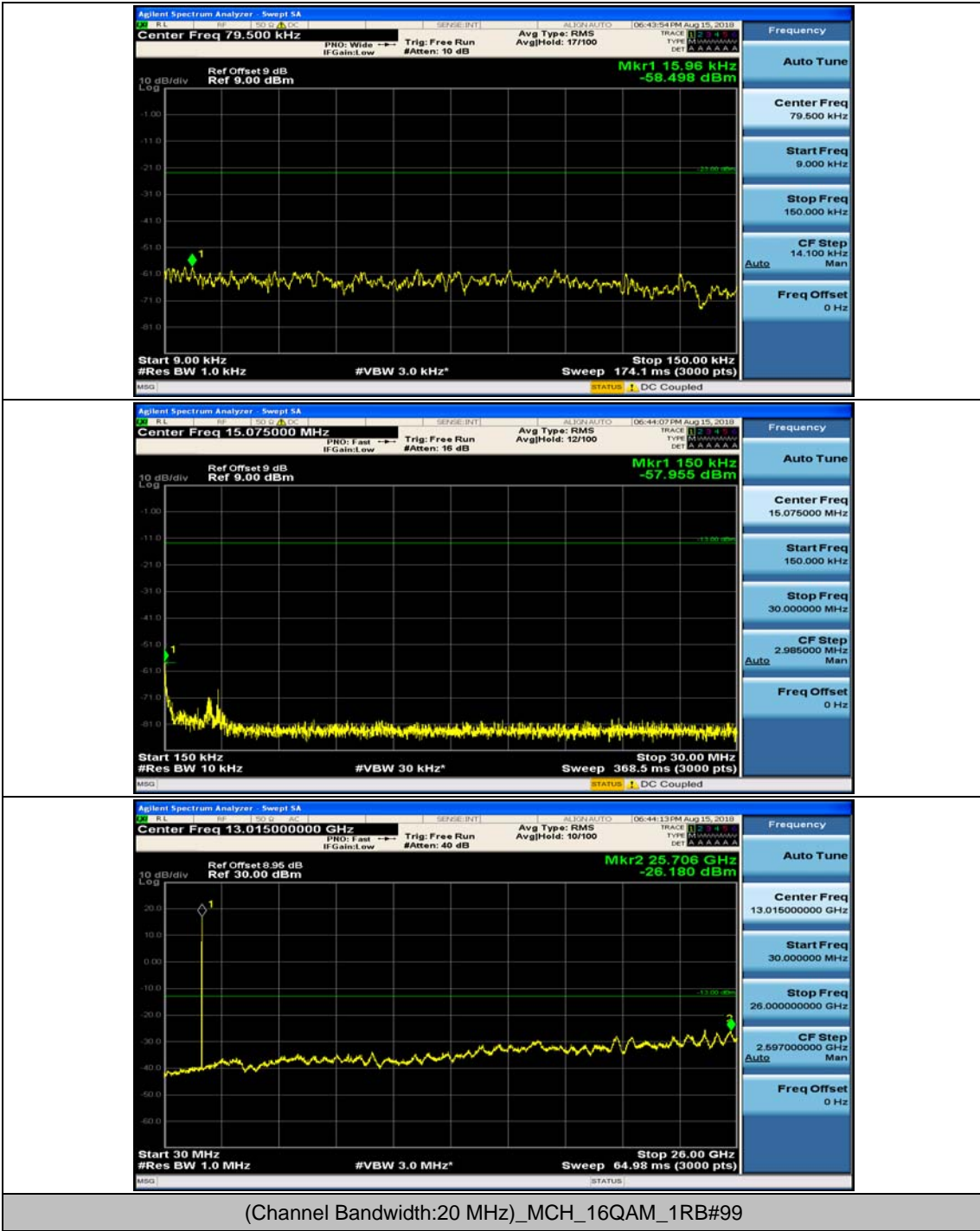


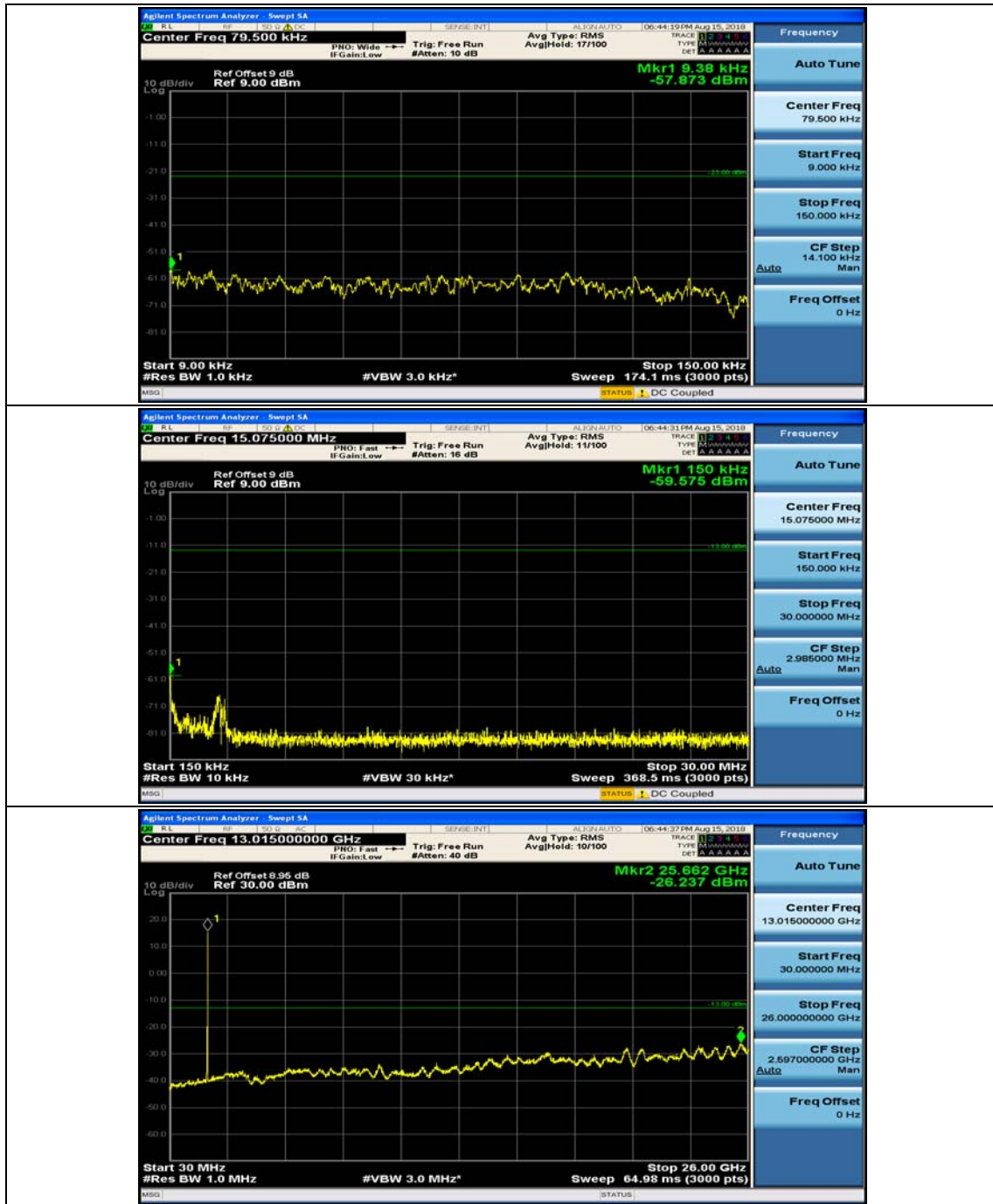


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

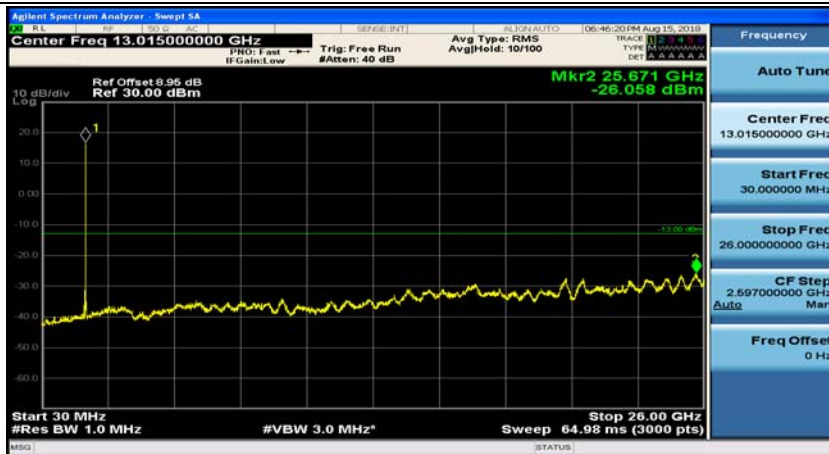
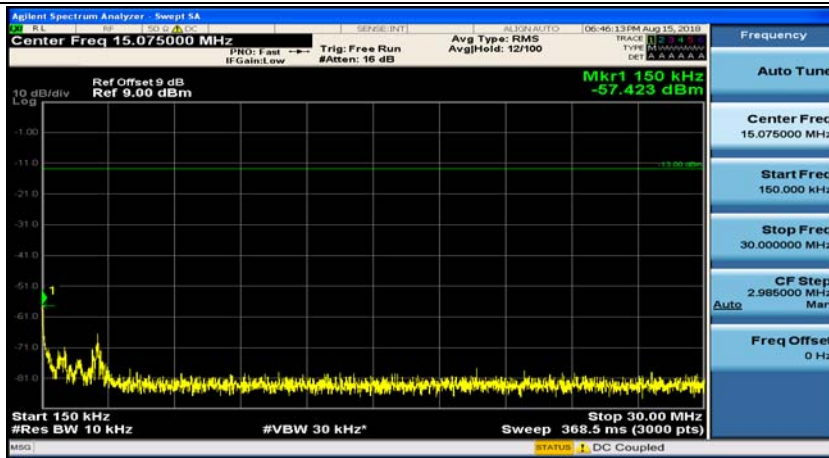
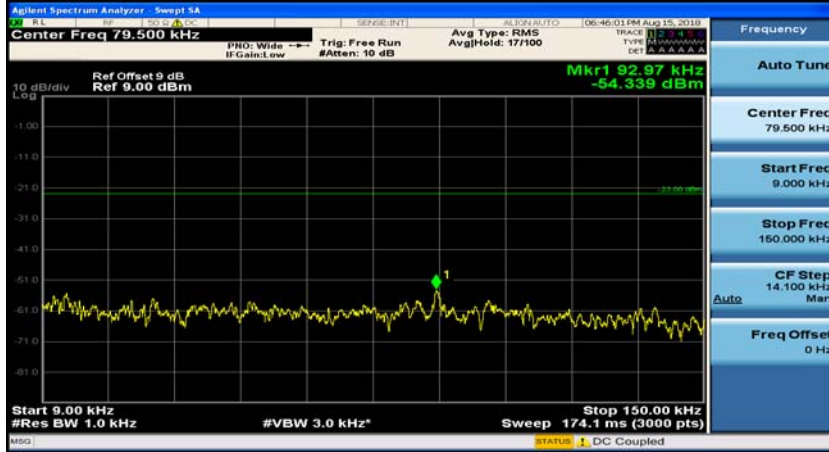


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

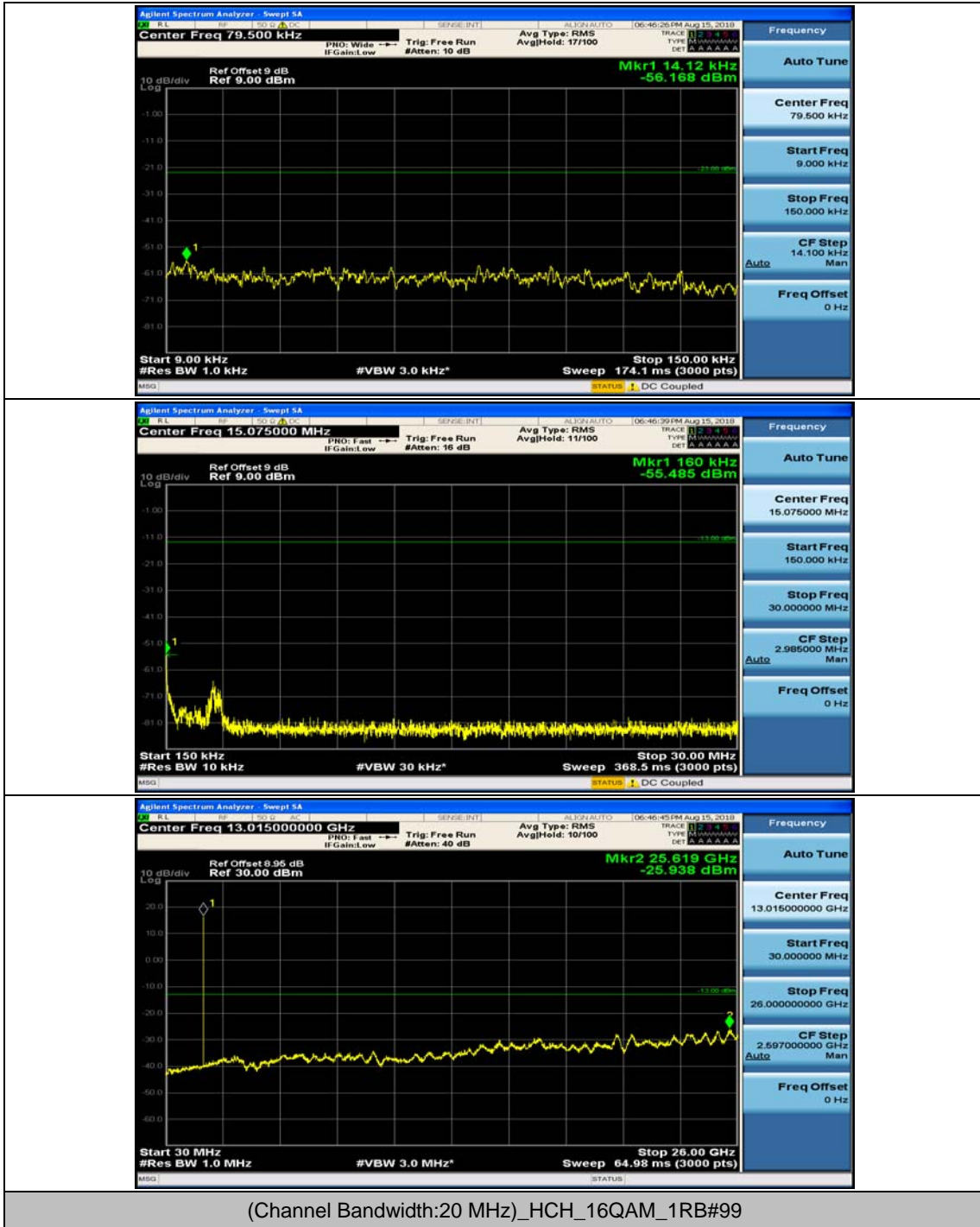


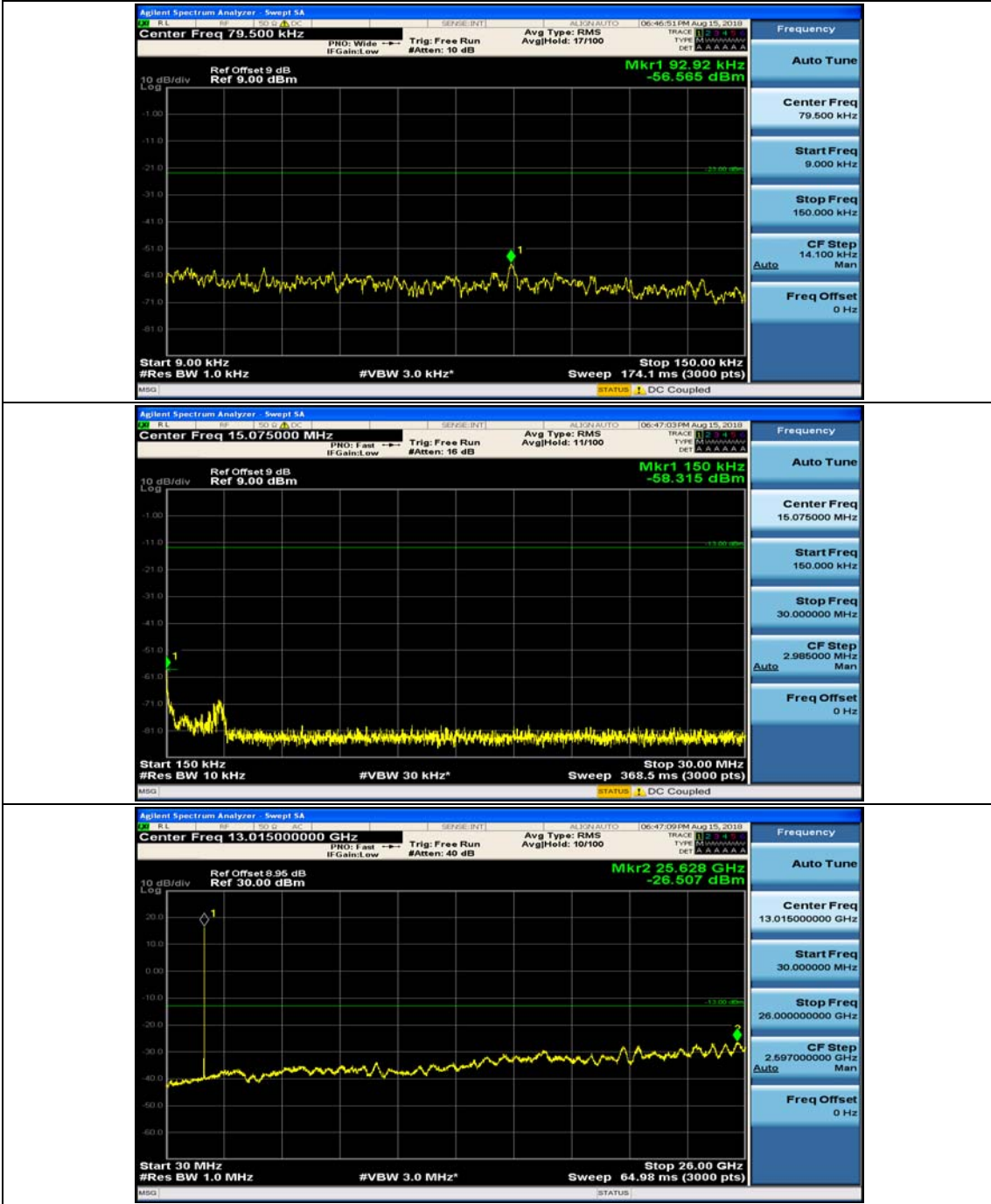


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	-0.5	-0.000292	± 2.5	PASS
		VN	TN	-0.95	-0.000555	± 2.5	PASS
		VH	TN	4.07	0.002379	± 2.5	PASS
	MCH	VL	TN	0.76	0.000439	± 2.5	PASS
		VN	TN	3.59	0.002072	± 2.5	PASS
		VH	TN	3.33	0.001922	± 2.5	PASS
	HCH	VL	TN	0.88	0.000502	± 2.5	PASS
		VN	TN	0.05	0.000029	± 2.5	PASS
		VH	TN	3.37	0.001921	± 2.5	PASS
16QAM	LCH	VL	TN	-0.26	-0.000152	± 2.5	PASS
		VN	TN	-0.15	-0.000088	± 2.5	PASS
		VH	TN	3.35	0.001958	± 2.5	PASS
	MCH	VL	TN	-1.3	-0.000750	± 2.5	PASS
		VN	TN	0.96	0.000554	± 2.5	PASS
		VH	TN	1.19	0.000687	± 2.5	PASS
	HCH	VL	TN	-0.09	-0.000051	± 2.5	PASS
		VN	TN	-1.82	-0.001037	± 2.5	PASS
		VH	TN	0.26	0.000148	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.96	0.002899	± 2.5	PASS
		VN	-20	-0.75	-0.000438	± 2.5	PASS
		VN	-10	-0.22	-0.000129	± 2.5	PASS
		VN	0	1.05	0.000614	± 2.5	PASS
		VN	10	4.74	0.002771	± 2.5	PASS
		VN	20	3.33	0.001947	± 2.5	PASS
		VN	30	0.72	0.000421	± 2.5	PASS
		VN	40	4.31	0.002519	± 2.5	PASS
		VN	50	4.61	0.002695	± 2.5	PASS
	MCH	VN	-30	0.95	0.000548	± 2.5	PASS

	VN	-20	4.47	0.002580	± 2.5	PASS	
		-10	2.88	0.001662	± 2.5	PASS	
		0	3.6	0.002078	± 2.5	PASS	
		10	1.79	0.001033	± 2.5	PASS	
		20	0.44	0.000254	± 2.5	PASS	
		30	2.6	0.001501	± 2.5	PASS	
		40	0.88	0.000508	± 2.5	PASS	
		50	-1.18	-0.000681	± 2.5	PASS	
	HCH	VN	-30	2.55	0.001454	± 2.5	PASS
		VN	-20	1.49	0.000849	± 2.5	PASS
		VN	-10	-1.61	-0.000918	± 2.5	PASS
		VN	0	-0.83	-0.000473	± 2.5	PASS
		VN	10	0.86	0.000490	± 2.5	PASS
		VN	20	4.75	0.002708	± 2.5	PASS
		VN	30	-0.92	-0.000524	± 2.5	PASS
		VN	40	3.63	0.002069	± 2.5	PASS
		VN	50	1.53	0.000872	± 2.5	PASS
		16QAM	LCH	VN	-30	1.86	0.001087
VN	-20			-0.64	-0.000374	± 2.5	PASS
VN	-10			2.02	0.001181	± 2.5	PASS
VN	0			-0.57	-0.000333	± 2.5	PASS
VN	10			3.47	0.002028	± 2.5	PASS
VN	20			2.07	0.001210	± 2.5	PASS
VN	30			3.17	0.001853	± 2.5	PASS
VN	40			1.86	0.001087	± 2.5	PASS
VN	50			-0.15	-0.000088	± 2.5	PASS
MCH	VN		-30	2.16	0.001231	± 2.5	PASS
	VN		-20	2.18	0.001243	± 2.5	PASS
	VN		-10	0.52	0.000296	± 2.5	PASS
	VN		0	-0.44	-0.000251	± 2.5	PASS
	VN		10	3.03	0.001727	± 2.5	PASS
	VN		20	-0.23	-0.000131	± 2.5	PASS
	VN		30	2.73	0.001556	± 2.5	PASS
	VN		40	0.93	0.000530	± 2.5	PASS
	VN		50	2.82	0.001607	± 2.5	PASS
HCH	VN		-30	-0.62	-0.000353	± 2.5	PASS
	VN		-20	4	0.002280	± 2.5	PASS
	VN		-10	1.25	0.000713	± 2.5	PASS
	VN		0	0.17	0.000097	± 2.5	PASS
	VN		10	1.53	0.000872	± 2.5	PASS
	VN		20	3.53	0.002012	± 2.5	PASS

		VN	30	4.12	0.002349	± 2.5	PASS
		VN	40	-1.89	-0.001077	± 2.5	PASS
		VN	50	-1.18	-0.000673	± 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	1.77	0.001034	± 2.5	PASS
		VN	TN	4.98	0.002910	± 2.5	PASS
		VH	TN	2.56	0.001496	± 2.5	PASS
	MCH	VL	TN	4.24	0.002447	± 2.5	PASS
		VN	TN	-1.74	-0.001004	± 2.5	PASS
		VH	TN	3.66	0.002113	± 2.5	PASS
	HCH	VL	TN	-1.09	-0.000622	± 2.5	PASS
		VN	TN	-0.49	-0.000279	± 2.5	PASS
		VH	TN	1.8	0.001027	± 2.5	PASS
16QAM	LCH	VL	TN	4.17	0.002436	± 2.5	PASS
		VN	TN	3.12	0.001823	± 2.5	PASS
		VH	TN	-1.2	-0.000701	± 2.5	PASS
	MCH	VL	TN	4.84	0.002794	± 2.5	PASS
		VN	TN	1.47	0.000848	± 2.5	PASS
		VH	TN	4.98	0.002874	± 2.5	PASS
	HCH	VL	TN	3.05	0.001739	± 2.5	PASS
		VN	TN	1.82	0.001038	± 2.5	PASS
		VH	TN	4.27	0.002435	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.6	-0.000351	± 2.5	PASS
		VN	-20	-1.55	-0.000906	± 2.5	PASS
		VN	-10	-0.95	-0.000555	± 2.5	PASS
		VN	0	2.38	0.001391	± 2.5	PASS
		VN	10	-1.4	-0.000818	± 2.5	PASS
		VN	20	1.39	0.000812	± 2.5	PASS
		VN	30	-0.18	-0.000105	± 2.5	PASS
		VN	40	4.22	0.002466	± 2.5	PASS
		VN	50	1.12	0.000654	± 2.5	PASS
	MCH	VN	-30	4.92	0.002840	± 2.5	PASS
		VN	-20	3.67	0.002118	± 2.5	PASS

		VN	-10	3.21	0.001853	± 2.5	PASS		
		VN	0	3.86	0.002228	± 2.5	PASS		
		VN	10	1.16	0.000670	± 2.5	PASS		
		VN	20	1.44	0.000831	± 2.5	PASS		
		VN	30	2.59	0.001495	± 2.5	PASS		
		VN	40	-1.06	-0.000612	± 2.5	PASS		
		VN	50	4.32	0.002494	± 2.5	PASS		
	HCH	VN	-30	3.98	0.002270	± 2.5	PASS		
		VN	-20	0.98	0.000559	± 2.5	PASS		
		VN	-10	2.25	0.001283	± 2.5	PASS		
		VN	0	1.28	0.000730	± 2.5	PASS		
		VN	10	-0.13	-0.000074	± 2.5	PASS		
		VN	20	-0.09	-0.000051	± 2.5	PASS		
		VN	30	-0.66	-0.000376	± 2.5	PASS		
		VN	40	2.61	0.001488	± 2.5	PASS		
		VN	50	4.92	0.002806	± 2.5	PASS		
		16QAM	LCH	VN	-30	2.21	0.001276	± 2.5	PASS
				VN	-20	-1.75	-0.001010	± 2.5	PASS
VN	-10			-0.04	-0.000023	± 2.5	PASS		
VN	0			3.4	0.001962	± 2.5	PASS		
VN	10			1.05	0.000606	± 2.5	PASS		
VN	20			-1.54	-0.000889	± 2.5	PASS		
VN	30			-0.66	-0.000381	± 2.5	PASS		
VN	40			4.09	0.002361	± 2.5	PASS		
VN	50			2.02	0.001166	± 2.5	PASS		
MCH	VN		-30	4.87	0.002777	± 2.5	PASS		
	VN		-20	4.36	0.002486	± 2.5	PASS		
	VN		-10	1.78	0.001015	± 2.5	PASS		
	VN		0	-1.9	-0.001084	± 2.5	PASS		
	VN		10	-1.7	-0.000969	± 2.5	PASS		
	VN		20	3.91	0.002230	± 2.5	PASS		
	VN		30	1.29	0.000736	± 2.5	PASS		
	VN		40	1.19	0.000679	± 2.5	PASS		
	VN		50	1.17	0.000667	± 2.5	PASS		
HCH	VN		-30	-1.61	-0.000918	± 2.5	PASS		
	VN		-20	2.48	0.001414	± 2.5	PASS		
	VN		-10	-0.13	-0.000074	± 2.5	PASS		
	VN		0	-0.2	-0.000114	± 2.5	PASS		
	VN		10	-0.86	-0.000490	± 2.5	PASS		
	VN		20	3.39	0.001933	± 2.5	PASS		
	VN		30	3.53	0.002013	± 2.5	PASS		

		VN	40	3.43	0.001956	± 2.5	PASS
		VN	50	-0.07	-0.000040	± 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	-0.66	-0.000385	± 2.5	PASS
		VN	TN	-0.83	-0.000485	± 2.5	PASS
		VH	TN	2.89	0.001688	± 2.5	PASS
	MCH	VL	TN	2.22	0.001281	± 2.5	PASS
		VN	TN	2.63	0.001518	± 2.5	PASS
		VH	TN	-0.31	-0.000179	± 2.5	PASS
	HCH	VL	TN	2.72	0.001552	± 2.5	PASS
		VN	TN	-0.27	-0.000154	± 2.5	PASS
		VH	TN	4.09	0.002334	± 2.5	PASS
16QAM	LCH	VL	TN	0.29	0.000169	± 2.5	PASS
		VN	TN	3.39	0.001980	± 2.5	PASS
		VH	TN	4.22	0.002464	± 2.5	PASS
	MCH	VL	TN	3.4	0.001962	± 2.5	PASS
		VN	TN	-0.99	-0.000571	± 2.5	PASS
		VH	TN	1.63	0.000941	± 2.5	PASS
	HCH	VL	TN	-1.93	-0.001101	± 2.5	PASS
		VN	TN	-0.33	-0.000188	± 2.5	PASS
		VH	TN	-1.34	-0.000765	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.18	0.000105	± 2.5	PASS
		VN	-20	2.09	0.001220	± 2.5	PASS
		VN	-10	0.5	0.000292	± 2.5	PASS
		VN	0	-0.87	-0.000508	± 2.5	PASS
		VN	10	1.14	0.000666	± 2.5	PASS
		VN	20	0.46	0.000269	± 2.5	PASS
		VN	30	3.31	0.001933	± 2.5	PASS
		VN	40	2.39	0.001396	± 2.5	PASS
		VN	50	0.62	0.000362	± 2.5	PASS
	MCH	VN	-30	0.53	0.000306	± 2.5	PASS
		VN	-20	-0.95	-0.000548	± 2.5	PASS
		VN	-10	0.08	0.000046	± 2.5	PASS

		VN	0	-0.31	-0.000179	± 2.5	PASS		
		VN	10	-1.65	-0.000952	± 2.5	PASS		
		VN	20	4.82	0.002782	± 2.5	PASS		
		VN	30	4.21	0.002430	± 2.5	PASS		
		VN	40	2.55	0.001472	± 2.5	PASS		
		VN	50	-0.53	-0.000306	± 2.5	PASS		
	HCH	VN	-30	4.48	0.002556	± 2.5	PASS		
		VN	-20	-0.16	-0.000084	± 2.5	PASS		
		VN	-10	-0.82	-0.000430	± 2.5	PASS		
		VN	0	-1.44	-0.000755	± 2.5	PASS		
		VN	10	0.9	0.000472	± 2.5	PASS		
		VN	20	3.81	0.001997	± 2.5	PASS		
		VN	30	4.79	0.002511	± 2.5	PASS		
		VN	40	4.62	0.002422	± 2.5	PASS		
		VN	50	-1.09	-0.000571	± 2.5	PASS		
		16QAM	LCH	VN	-30	1.1	0.000635	± 2.5	PASS
				VN	-20	2.65	0.001530	± 2.5	PASS
				VN	-10	4.48	0.002586	± 2.5	PASS
VN	0			-0.08	-0.000046	± 2.5	PASS		
VN	10			3.45	0.001991	± 2.5	PASS		
VN	20			0.82	0.000473	± 2.5	PASS		
VN	30			2.61	0.001506	± 2.5	PASS		
VN	40			-1.92	-0.001108	± 2.5	PASS		
VN	50			4.09	0.002361	± 2.5	PASS		
MCH	VN		-30	4.95	0.002825	± 2.5	PASS		
	VN		-20	0.68	0.000388	± 2.5	PASS		
	VN		-10	-0.38	-0.000217	± 2.5	PASS		
	VN		0	-0.15	-0.000086	± 2.5	PASS		
	VN		10	-0.14	-0.000080	± 2.5	PASS		
	VN		20	0.39	0.000223	± 2.5	PASS		
	VN		30	-0.5	-0.000285	± 2.5	PASS		
	VN		40	-1.03	-0.000588	± 2.5	PASS		
	VN		50	-1.59	-0.000907	± 2.5	PASS		
HCH	VN		-30	1.81	0.000949	± 2.5	PASS		
	VN		-20	3.46	0.001814	± 2.5	PASS		
	VN		-10	-1.27	-0.000666	± 2.5	PASS		
	VN		0	4.74	0.002485	± 2.5	PASS		
	VN		10	-1.96	-0.001028	± 2.5	PASS		
	VN		20	4.15	0.002176	± 2.5	PASS		
	VN		30	3.8	0.001992	± 2.5	PASS		
	VN		40	1.79	0.000938	± 2.5	PASS		

		VN	50	4.61	0.002417	± 2.5	PASS
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Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	0.08	0.000047	± 2.5	PASS
		VN	TN	3.56	0.002076	± 2.5	PASS
		VH	TN	4.82	0.002810	± 2.5	PASS
	MCH	VL	TN	4.27	0.002465	± 2.5	PASS
		VN	TN	2.75	0.001587	± 2.5	PASS
		VH	TN	1.13	0.000652	± 2.5	PASS
	HCH	VL	TN	3.15	0.001800	± 2.5	PASS
		VN	TN	4.85	0.002771	± 2.5	PASS
		VH	TN	2.88	0.001646	± 2.5	PASS
16QAM	LCH	VL	TN	0.54	0.000315	± 2.5	PASS
		VN	TN	2.32	0.001353	± 2.5	PASS
		VH	TN	-0.75	-0.000437	± 2.5	PASS
	MCH	VL	TN	4.45	0.002569	± 2.5	PASS
		VN	TN	-0.28	-0.000162	± 2.5	PASS
		VH	TN	1.45	0.000837	± 2.5	PASS
	HCH	VL	TN	-0.82	-0.000469	± 2.5	PASS
		VN	TN	-1.08	-0.000617	± 2.5	PASS
		VH	TN	1.85	0.001057	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	0.72	0.000420	± 2.5	PASS
		VN	-20	1.1	0.000641	± 2.5	PASS
		VN	-10	-0.44	-0.000257	± 2.5	PASS
		VN	0	3.11	0.001813	± 2.5	PASS
		VN	10	-0.63	-0.000367	± 2.5	PASS
		VN	20	3.34	0.001948	± 2.5	PASS
		VN	30	1.32	0.000770	± 2.5	PASS
		VN	40	1.71	0.000997	± 2.5	PASS
		VN	50	2.98	0.001738	± 2.5	PASS
	MCH	VN	-30	2.93	0.001691	± 2.5	PASS
		VN	-20	3.89	0.002245	± 2.5	PASS
		VN	-10	1.73	0.000999	± 2.5	PASS
		VN	0	3.13	0.001807	± 2.5	PASS

		VN	10	2.39	0.001380	± 2.5	PASS
		VN	20	0.06	0.000035	± 2.5	PASS
		VN	30	1.53	0.000883	± 2.5	PASS
		VN	40	3.69	0.002130	± 2.5	PASS
		VN	50	3.19	0.001841	± 2.5	PASS
	HCH	VN	-30	-1.71	-0.000977	± 2.5	PASS
		VN	-20	2.15	0.001229	± 2.5	PASS
		VN	-10	1.44	0.000823	± 2.5	PASS
		VN	0	-0.83	-0.000474	± 2.5	PASS
		VN	10	3.18	0.001817	± 2.5	PASS
		VN	20	0.63	0.000360	± 2.5	PASS
		VN	30	3.07	0.001754	± 2.5	PASS
		VN	40	3.97	0.002269	± 2.5	PASS
		VN	50	2.09	0.001194	± 2.5	PASS
		QPSK	LCH	VN	-30	-1.8	-0.001039
VN	-20			0.65	0.000375	± 2.5	PASS
VN	-10			-1.63	-0.000941	± 2.5	PASS
VN	0			3.1	0.001789	± 2.5	PASS
VN	10			2.16	0.001247	± 2.5	PASS
VN	20			-0.32	-0.000185	± 2.5	PASS
VN	30			2.77	0.001599	± 2.5	PASS
VN	40			-1.19	-0.000687	± 2.5	PASS
VN	50			3.09	0.001784	± 2.5	PASS
MCH	VN		-30	1.96	0.001120	± 2.5	PASS
	VN		-20	-1.79	-0.001023	± 2.5	PASS
	VN		-10	2.89	0.001651	± 2.5	PASS
	VN		0	0.33	0.000189	± 2.5	PASS
	VN		10	2.34	0.001337	± 2.5	PASS
	VN		20	2.84	0.001623	± 2.5	PASS
	VN		30	1.27	0.000726	± 2.5	PASS
	VN		40	0.3	0.000171	± 2.5	PASS
	VN		50	1.54	0.000880	± 2.5	PASS
HCH	VN		-30	1.23	0.000703	± 2.5	PASS
	VN		-20	1.44	0.000823	± 2.5	PASS
	VN		-10	3.45	0.001971	± 2.5	PASS
	VN		0	0.01	0.000006	± 2.5	PASS
	VN		10	1.55	0.000886	± 2.5	PASS
	VN		20	4.66	0.002663	± 2.5	PASS
	VN		30	4.84	0.002766	± 2.5	PASS
	VN		40	3.93	0.002246	± 2.5	PASS
	VN		50	3.67	0.002097	± 2.5	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	4.16	0.002422	± 2.5	PASS
		VN	TN	-0.7	-0.000408	± 2.5	PASS
		VH	TN	1.66	0.000967	± 2.5	PASS
	MCH	VL	TN	3.35	0.001934	± 2.5	PASS
		VN	TN	3.1	0.001789	± 2.5	PASS
		VH	TN	2.99	0.001726	± 2.5	PASS
	HCH	VL	TN	0.17	0.000097	± 2.5	PASS
		VN	TN	-1.35	-0.000773	± 2.5	PASS
		VH	TN	0.56	0.000320	± 2.5	PASS
16QAM	LCH	VL	TN	0.21	0.000122	± 2.5	PASS
		VN	TN	0.28	0.000163	± 2.5	PASS
		VH	TN	-1.09	-0.000635	± 2.5	PASS
	MCH	VL	TN	3.95	0.002280	± 2.5	PASS
		VN	TN	-0.66	-0.000381	± 2.5	PASS
		VH	TN	4.06	0.002343	± 2.5	PASS
	HCH	VL	TN	2.95	0.001688	± 2.5	PASS
		VN	TN	3.07	0.001757	± 2.5	PASS
		VH	TN	3.46	0.001980	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.69	0.002148	± 2.5	PASS
		VN	-20	0.54	0.000314	± 2.5	PASS
		VN	-10	3.63	0.002114	± 2.5	PASS
		VN	0	4.02	0.002341	± 2.5	PASS
		VN	10	-1.49	-0.000868	± 2.5	PASS
		VN	20	4.79	0.002789	± 2.5	PASS
		VN	30	1.91	0.001112	± 2.5	PASS
		VN	40	2.43	0.001415	± 2.5	PASS
		VN	50	-0.68	-0.000396	± 2.5	PASS
	MCH	VN	-30	-1.94	-0.001120	± 2.5	PASS
		VN	-20	-0.54	-0.000312	± 2.5	PASS
		VN	-10	1.77	0.001022	± 2.5	PASS
		VN	0	4.61	0.002661	± 2.5	PASS
		VN	10	-0.33	-0.000190	± 2.5	PASS
		VN	20	-0.37	-0.000214	± 2.5	PASS

		VN	30	-1.24	-0.000716	± 2.5	PASS
		VN	40	4.6	0.002655	± 2.5	PASS
		VN	50	-0.83	-0.000479	± 2.5	PASS
	HCH	VN	-30	3.11	0.001780	± 2.5	PASS
		VN	-20	4.78	0.002735	± 2.5	PASS
		VN	-10	3.69	0.002112	± 2.5	PASS
		VN	0	-0.57	-0.000326	± 2.5	PASS
		VN	10	-1.83	-0.001047	± 2.5	PASS
		VN	20	3.75	0.002146	± 2.5	PASS
		VN	30	-1.24	-0.000710	± 2.5	PASS
		VN	40	3.92	0.002243	± 2.5	PASS
		VN	50	3.95	0.002260	± 2.5	PASS
16QAM	LCH	VN	-30	-1.2	-0.000693	± 2.5	PASS
		VN	-20	-0.53	-0.000306	± 2.5	PASS
		VN	-10	4.7	0.002713	± 2.5	PASS
		VN	0	4.51	0.002603	± 2.5	PASS
		VN	10	1.92	0.001108	± 2.5	PASS
		VN	20	0.62	0.000358	± 2.5	PASS
		VN	30	4.39	0.002534	± 2.5	PASS
		VN	40	3.96	0.002286	± 2.5	PASS
		VN	50	3.5	0.002020	± 2.5	PASS
	MCH	VN	-30	2.97	0.001700	± 2.5	PASS
		VN	-20	4.29	0.002455	± 2.5	PASS
		VN	-10	-1.54	-0.000881	± 2.5	PASS
		VN	0	-0.32	-0.000183	± 2.5	PASS
		VN	10	-1.96	-0.001122	± 2.5	PASS
		VN	20	2.92	0.001671	± 2.5	PASS
		VN	30	-0.39	-0.000223	± 2.5	PASS
		VN	40	-1.49	-0.000853	± 2.5	PASS
		VN	50	0.17	0.000097	± 2.5	PASS
	HCH	VN	-30	4.53	0.002592	± 2.5	PASS
		VN	-20	-1.08	-0.000618	± 2.5	PASS
		VN	-10	1.73	0.000990	± 2.5	PASS
		VN	0	3.32	0.001900	± 2.5	PASS
		VN	10	-0.59	-0.000338	± 2.5	PASS
		VN	20	-1.28	-0.000732	± 2.5	PASS
VN		30	3.04	0.001740	± 2.5	PASS	
VN		40	-0.12	-0.000069	± 2.5	PASS	
VN		50	-0.12	-0.000069	± 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	3.67	0.002134	± 2.5	PASS
		VN	TN	2.86	0.001663	± 2.5	PASS
		VH	TN	4.48	0.002605	± 2.5	PASS
	MCH	VL	TN	0.34	0.000196	± 2.5	PASS
		VN	TN	-1.03	-0.000595	± 2.5	PASS
		VH	TN	3.76	0.002170	± 2.5	PASS
	HCH	VL	TN	3.46	0.001983	± 2.5	PASS
		VN	TN	-0.78	-0.000447	± 2.5	PASS
		VH	TN	-1.21	-0.000693	± 2.5	PASS
16QAM	LCH	VL	TN	1.08	0.000628	± 2.5	PASS
		VN	TN	1.53	0.000890	± 2.5	PASS
		VH	TN	4.04	0.002349	± 2.5	PASS
	MCH	VL	TN	0.56	0.000323	± 2.5	PASS
		VN	TN	1.59	0.000918	± 2.5	PASS
		VH	TN	0.89	0.000514	± 2.5	PASS
	HCH	VL	TN	0.84	0.000481	± 2.5	PASS
		VN	TN	-1.87	-0.001072	± 2.5	PASS
		VH	TN	4.37	0.002504	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.21	0.000703	± 2.5	PASS
		VN	-20	-1.57	-0.000913	± 2.5	PASS
		VN	-10	3	0.001744	± 2.5	PASS
		VN	0	2.06	0.001198	± 2.5	PASS
		VN	10	4.57	0.002657	± 2.5	PASS
		VN	20	1.29	0.000750	± 2.5	PASS
		VN	30	2.88	0.001674	± 2.5	PASS
		VN	40	-0.76	-0.000442	± 2.5	PASS
		VN	50	4.84	0.002814	± 2.5	PASS
	MCH	VN	-30	4.49	0.002592	± 2.5	PASS
		VN	-20	1.76	0.001016	± 2.5	PASS
		VN	-10	3	0.001732	± 2.5	PASS
		VN	0	2.94	0.001697	± 2.5	PASS
		VN	10	0.42	0.000242	± 2.5	PASS
		VN	20	1.91	0.001102	± 2.5	PASS

		VN	30	4.37	0.002522	± 2.5	PASS
		VN	40	1.31	0.000756	± 2.5	PASS
		VN	50	0.45	0.000260	± 2.5	PASS
	HCH	VN	-30	2.62	0.001501	± 2.5	PASS
		VN	-20	0.34	0.000195	± 2.5	PASS
		VN	-10	1.84	0.001054	± 2.5	PASS
		VN	0	4.99	0.002860	± 2.5	PASS
		VN	10	3.68	0.002109	± 2.5	PASS
		VN	20	1.3	0.000745	± 2.5	PASS
		VN	30	4.41	0.002527	± 2.5	PASS
		VN	40	-0.16	-0.000092	± 2.5	PASS
		VN	50	0.88	0.000504	± 2.5	PASS
16QAM	LCH	VN	-30	-0.91	-0.000525	± 2.5	PASS
		VN	-20	3.05	0.001760	± 2.5	PASS
		VN	-10	4.25	0.002453	± 2.5	PASS
		VN	0	-1.71	-0.000987	± 2.5	PASS
		VN	10	1.46	0.000843	± 2.5	PASS
		VN	20	2.43	0.001403	± 2.5	PASS
		VN	30	1.75	0.001010	± 2.5	PASS
		VN	40	1.03	0.000595	± 2.5	PASS
		VN	50	2.25	0.001299	± 2.5	PASS
	MCH	VN	-30	4.83	0.002768	± 2.5	PASS
		VN	-20	0.77	0.000441	± 2.5	PASS
		VN	-10	2.89	0.001656	± 2.5	PASS
		VN	0	1.88	0.001077	± 2.5	PASS
		VN	10	-1.45	-0.000831	± 2.5	PASS
		VN	20	-0.69	-0.000395	± 2.5	PASS
		VN	30	2.35	0.001347	± 2.5	PASS
		VN	40	3.34	0.001914	± 2.5	PASS
		VN	50	1.87	0.001072	± 2.5	PASS
	HCH	VN	-30	2.66	0.001524	± 2.5	PASS
		VN	-20	-0.94	-0.000539	± 2.5	PASS
		VN	-10	0.2	0.000115	± 2.5	PASS
		VN	0	3.81	0.002183	± 2.5	PASS
		VN	10	4.88	0.002797	± 2.5	PASS
		VN	20	3.75	0.002149	± 2.5	PASS
		VN	30	4.46	0.002556	± 2.5	PASS
		VN	40	4.66	0.002670	± 2.5	PASS
		VN	50	2.25	0.001289	± 2.5	PASS