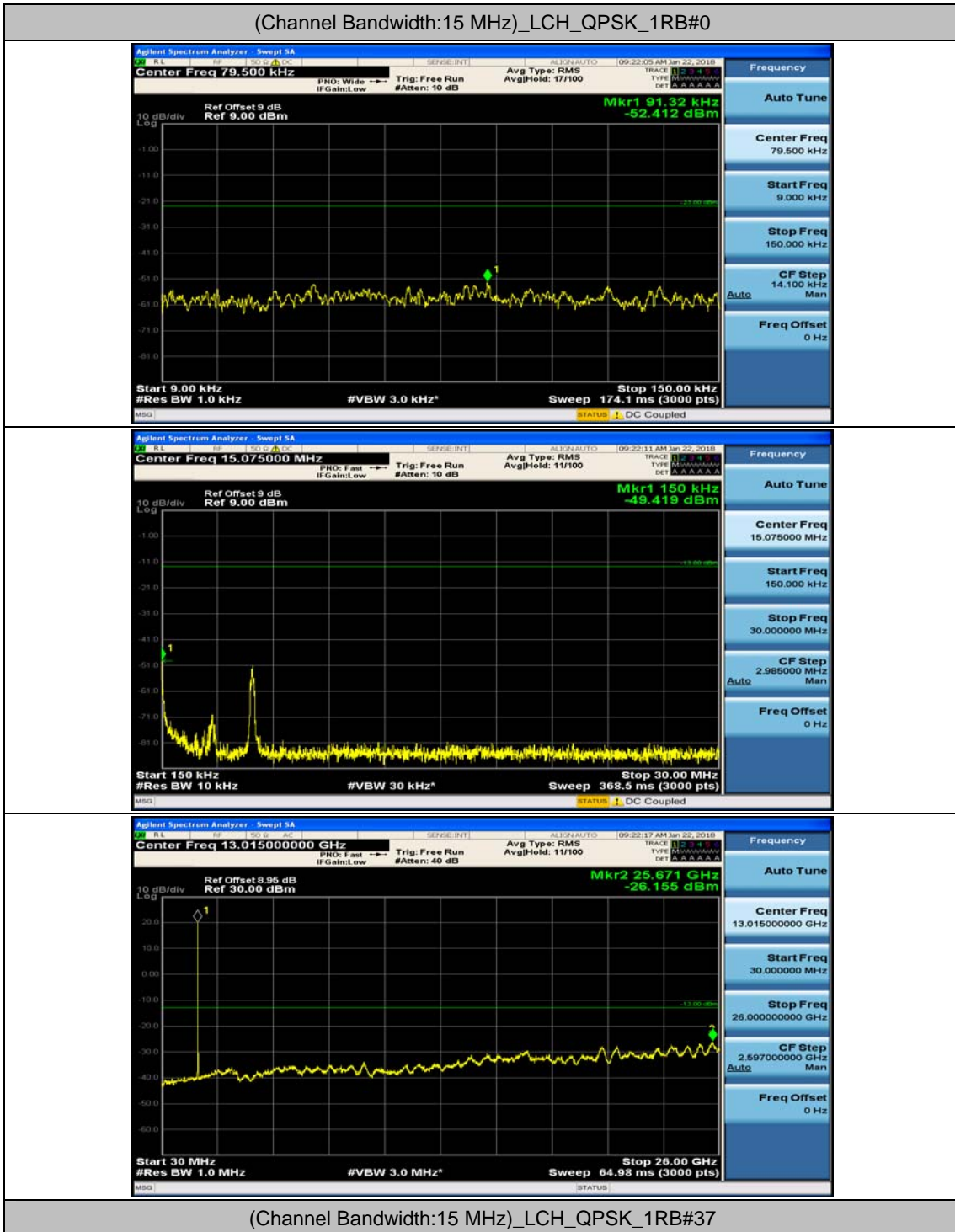
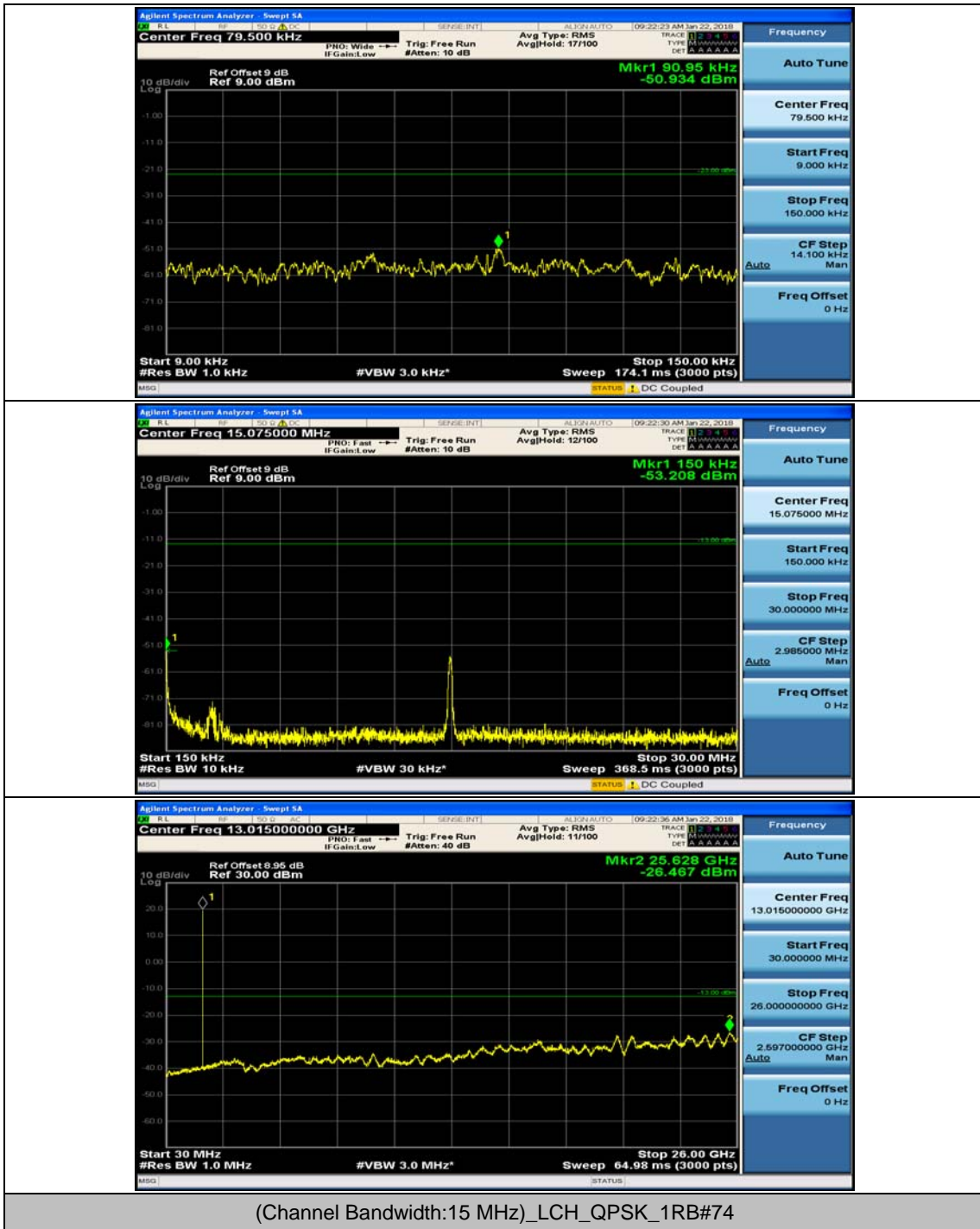
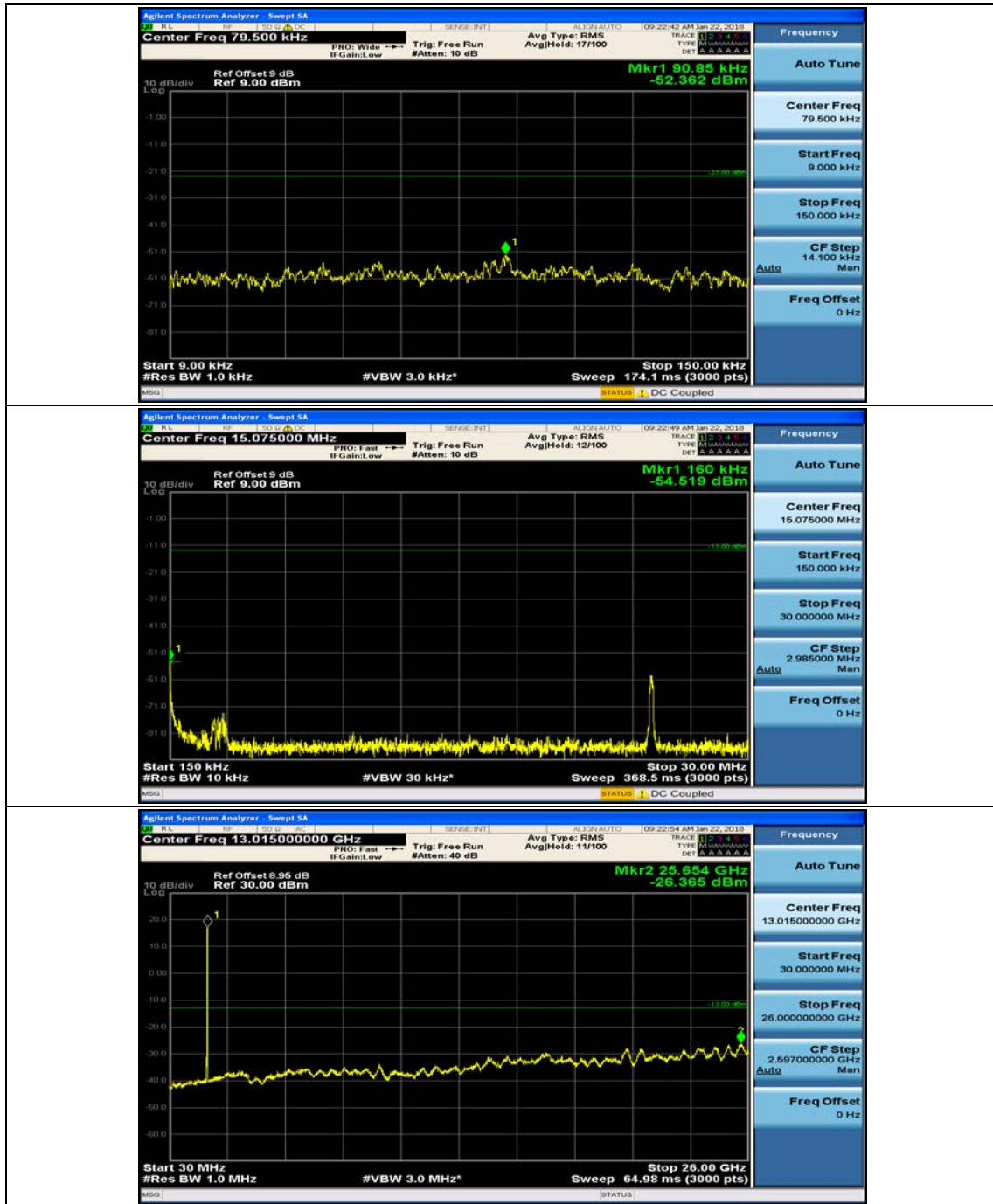


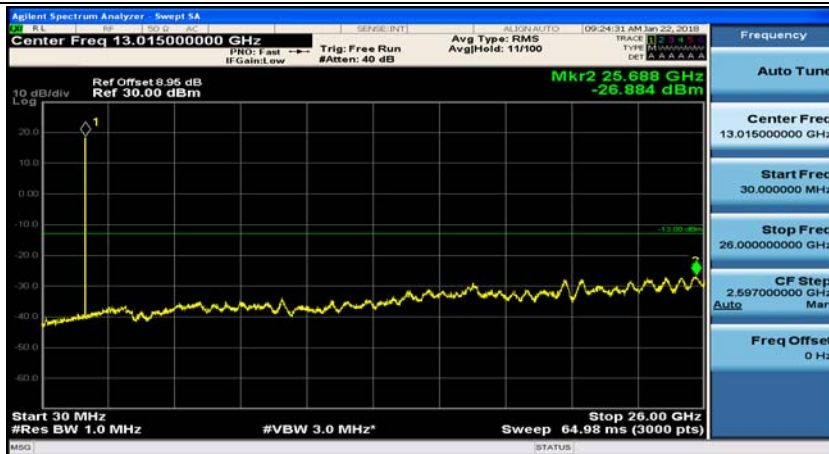
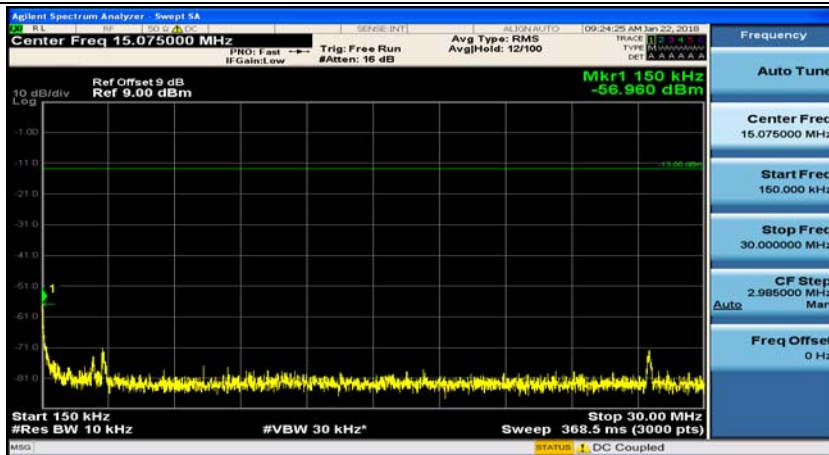
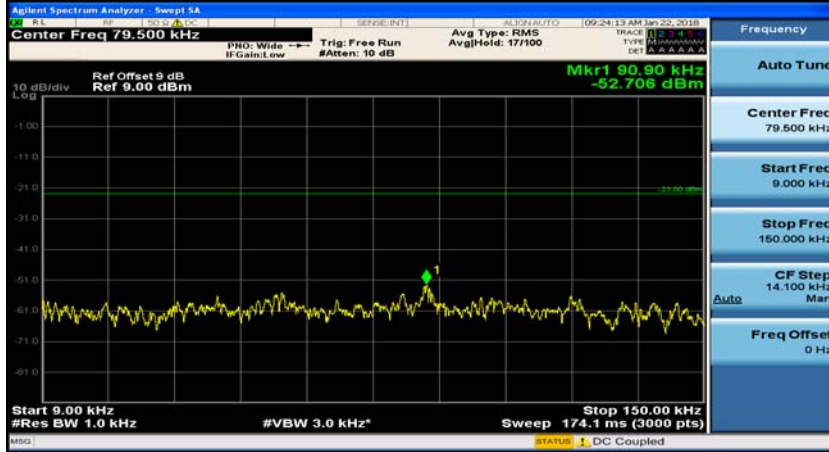
Channel Bandwidth: 15 MHz



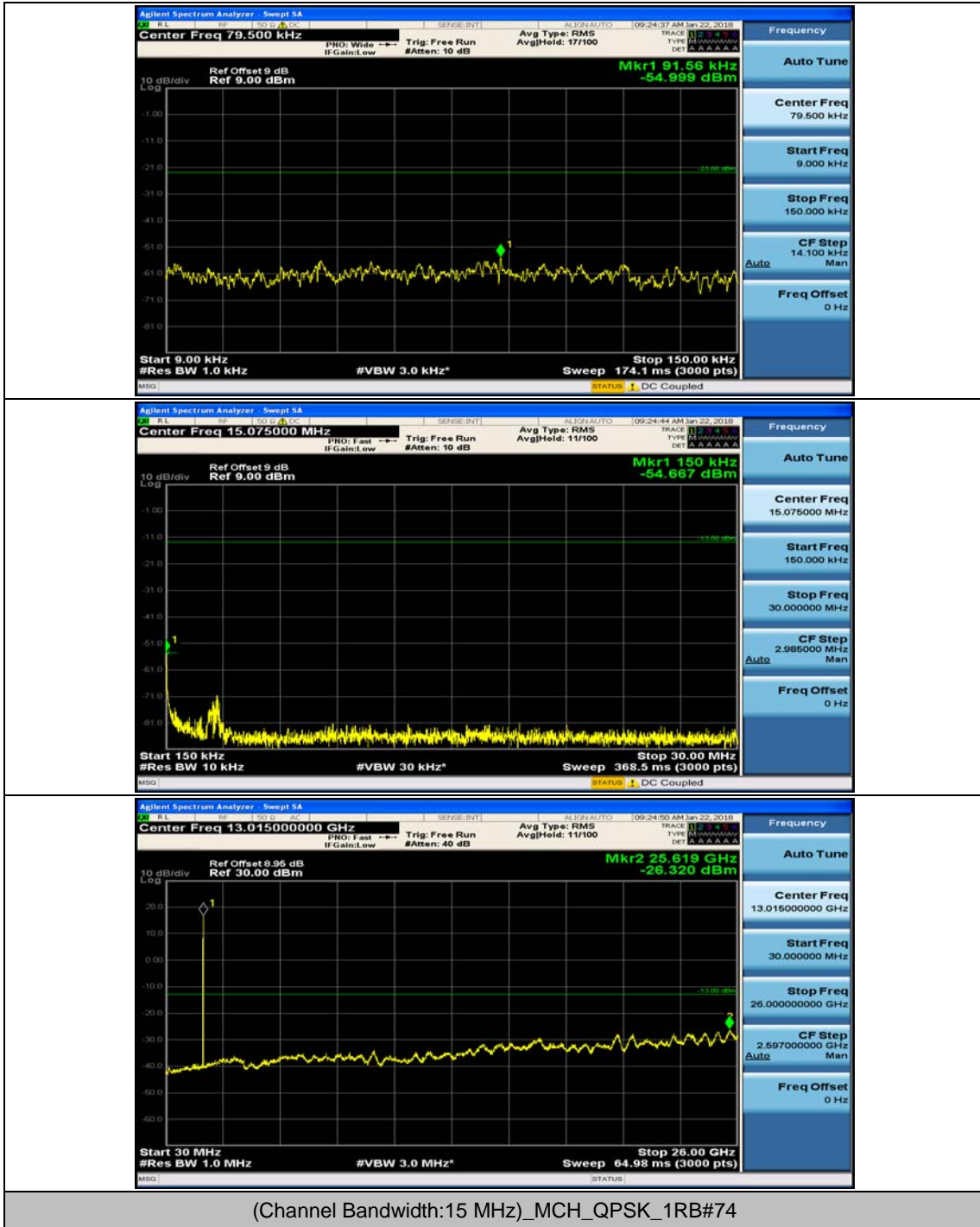


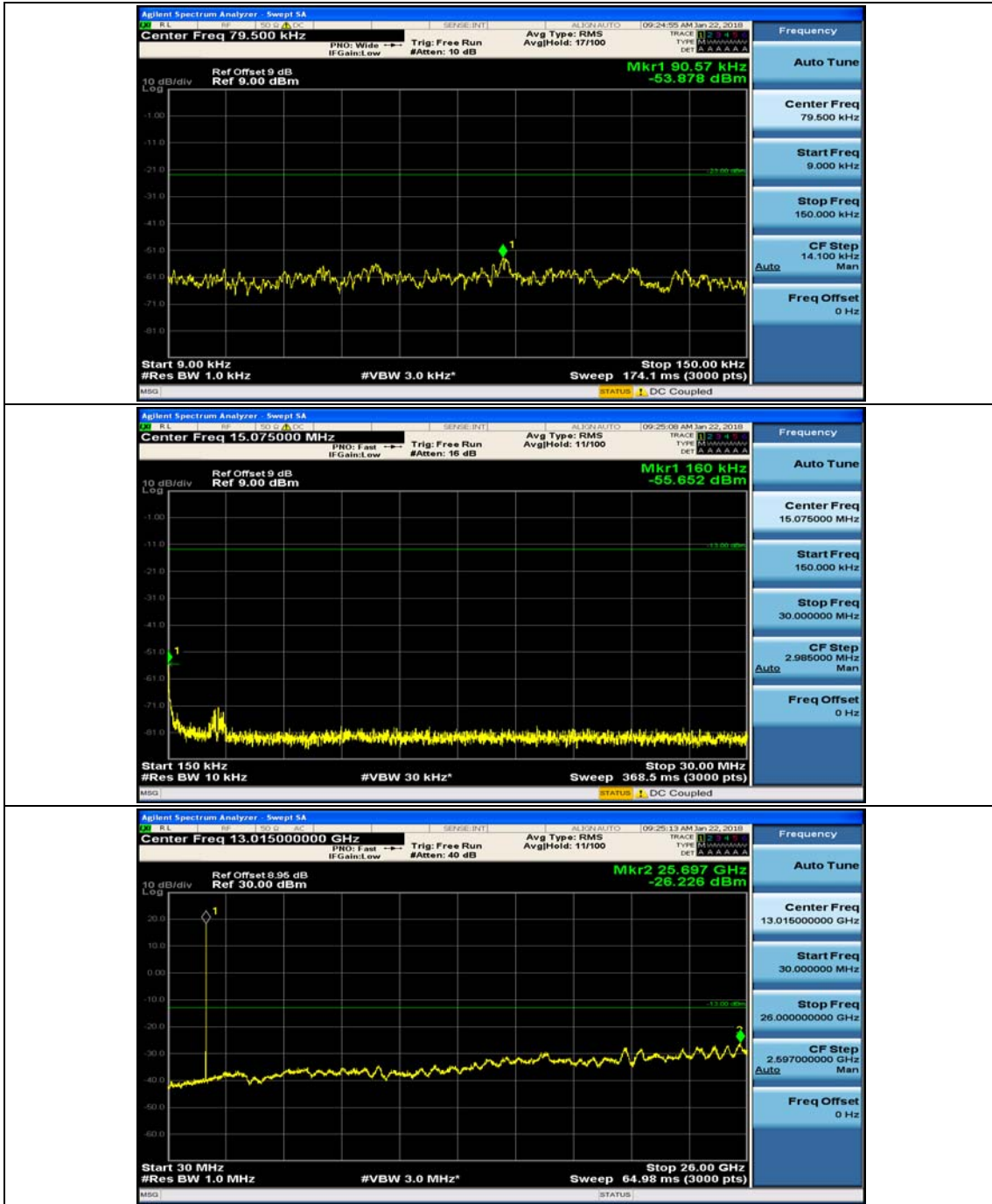


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

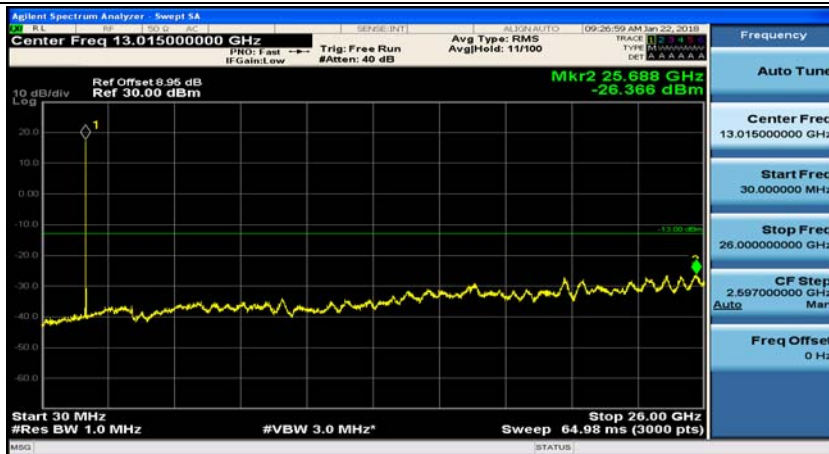
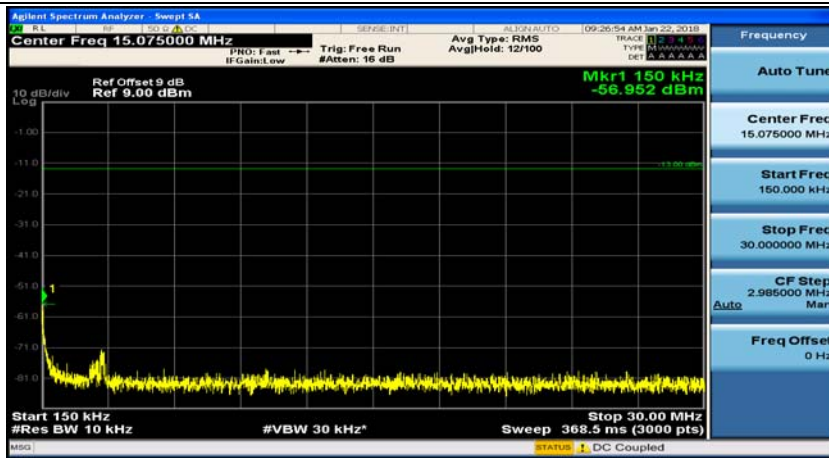
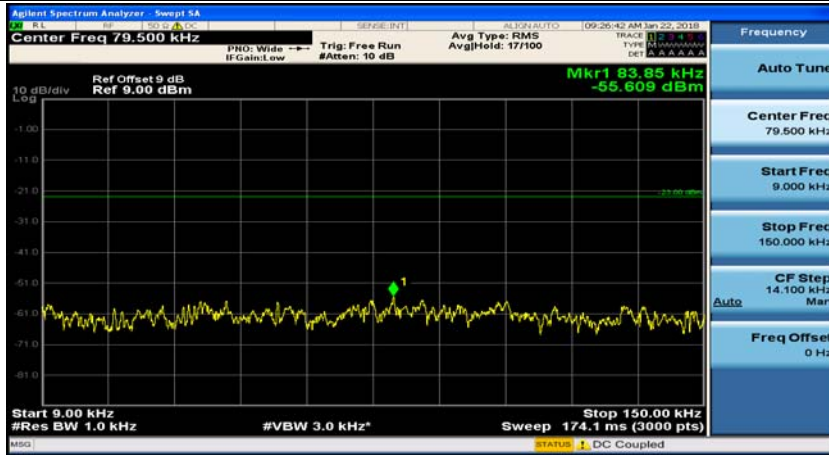


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

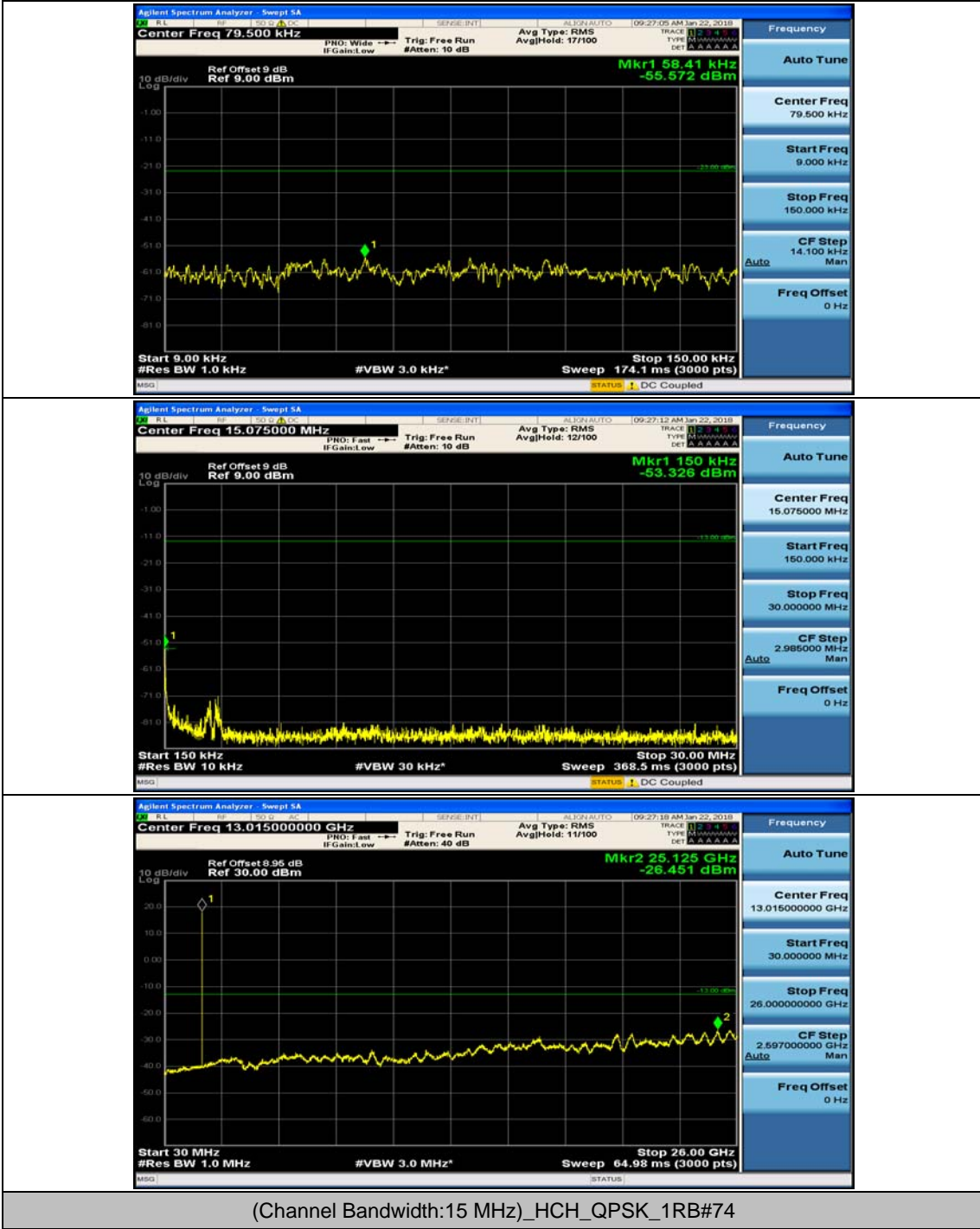




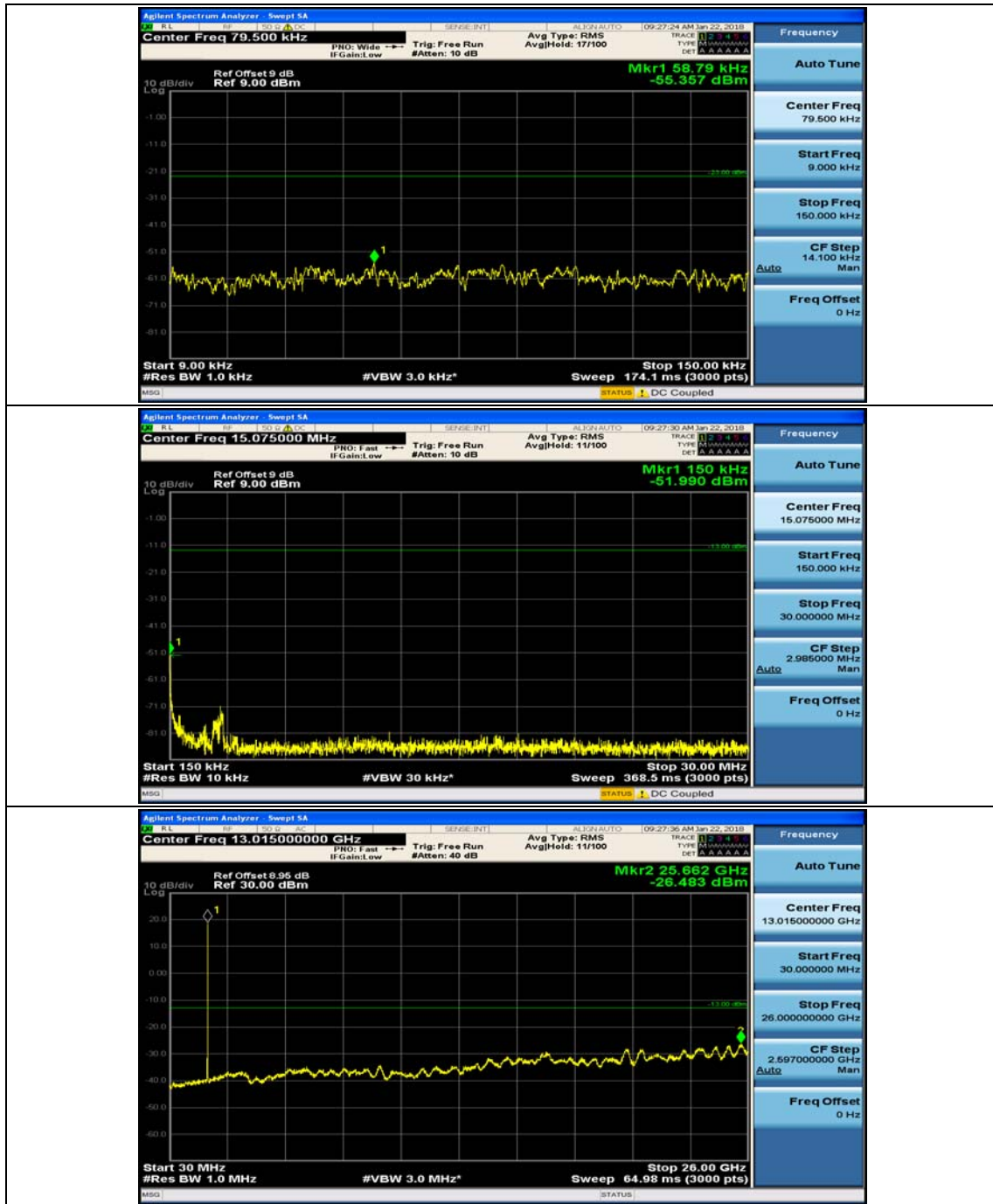
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0



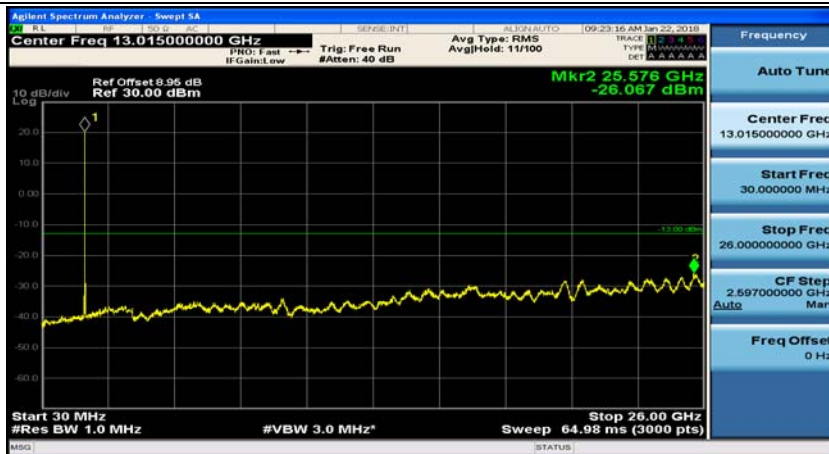
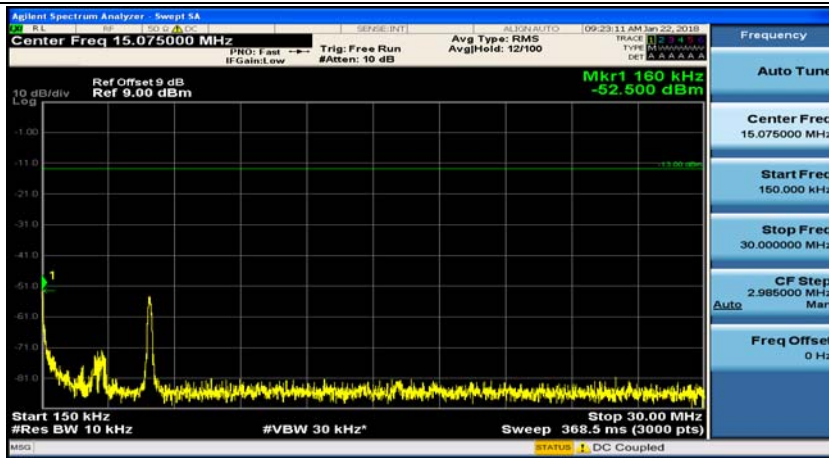
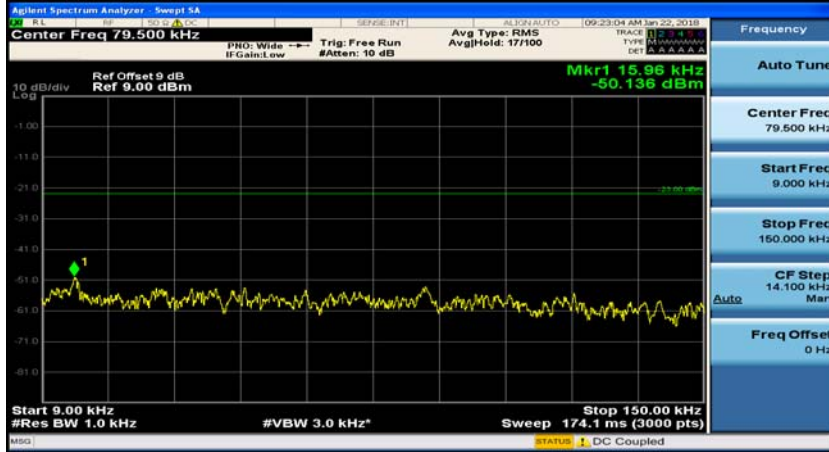
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37



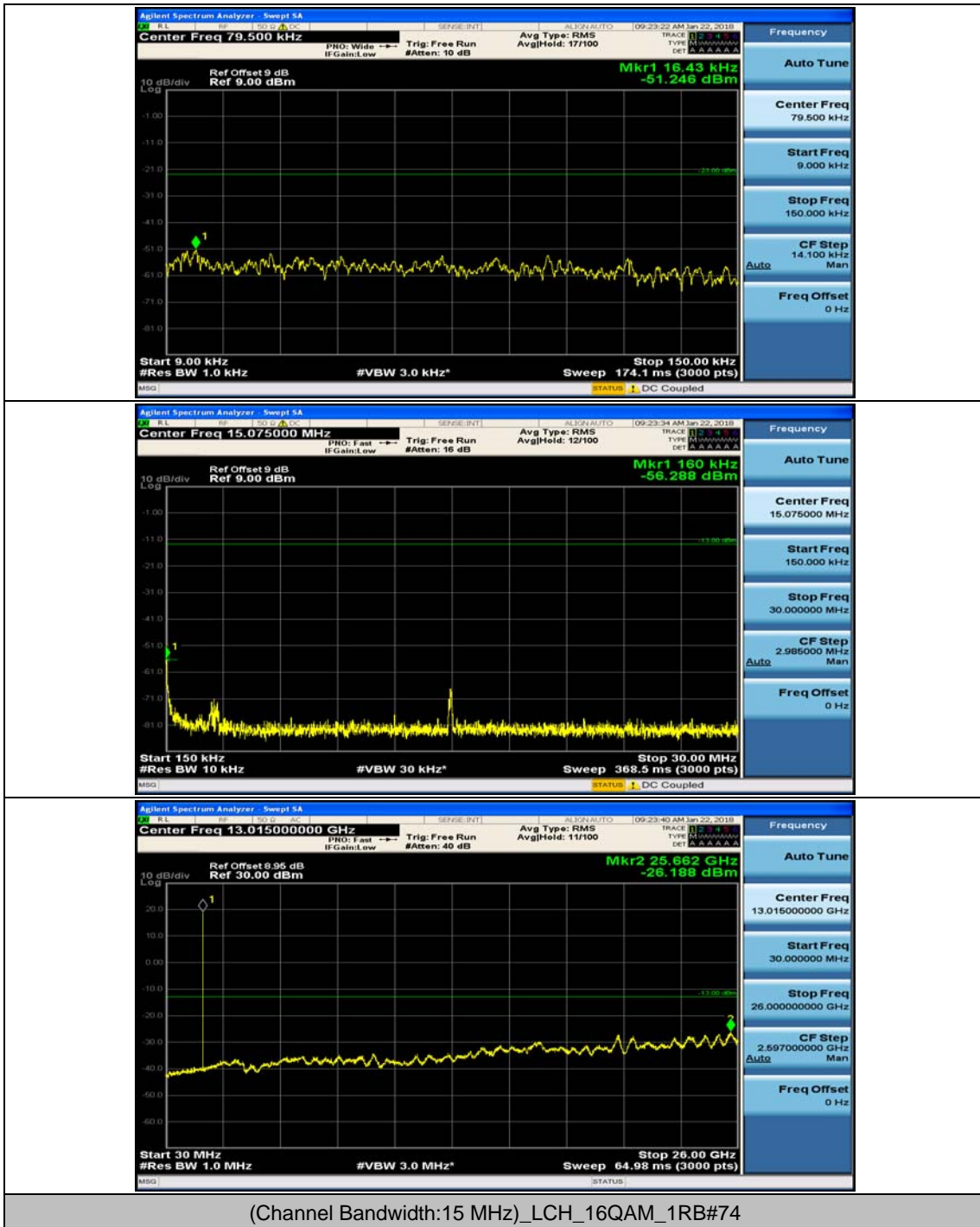
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#74

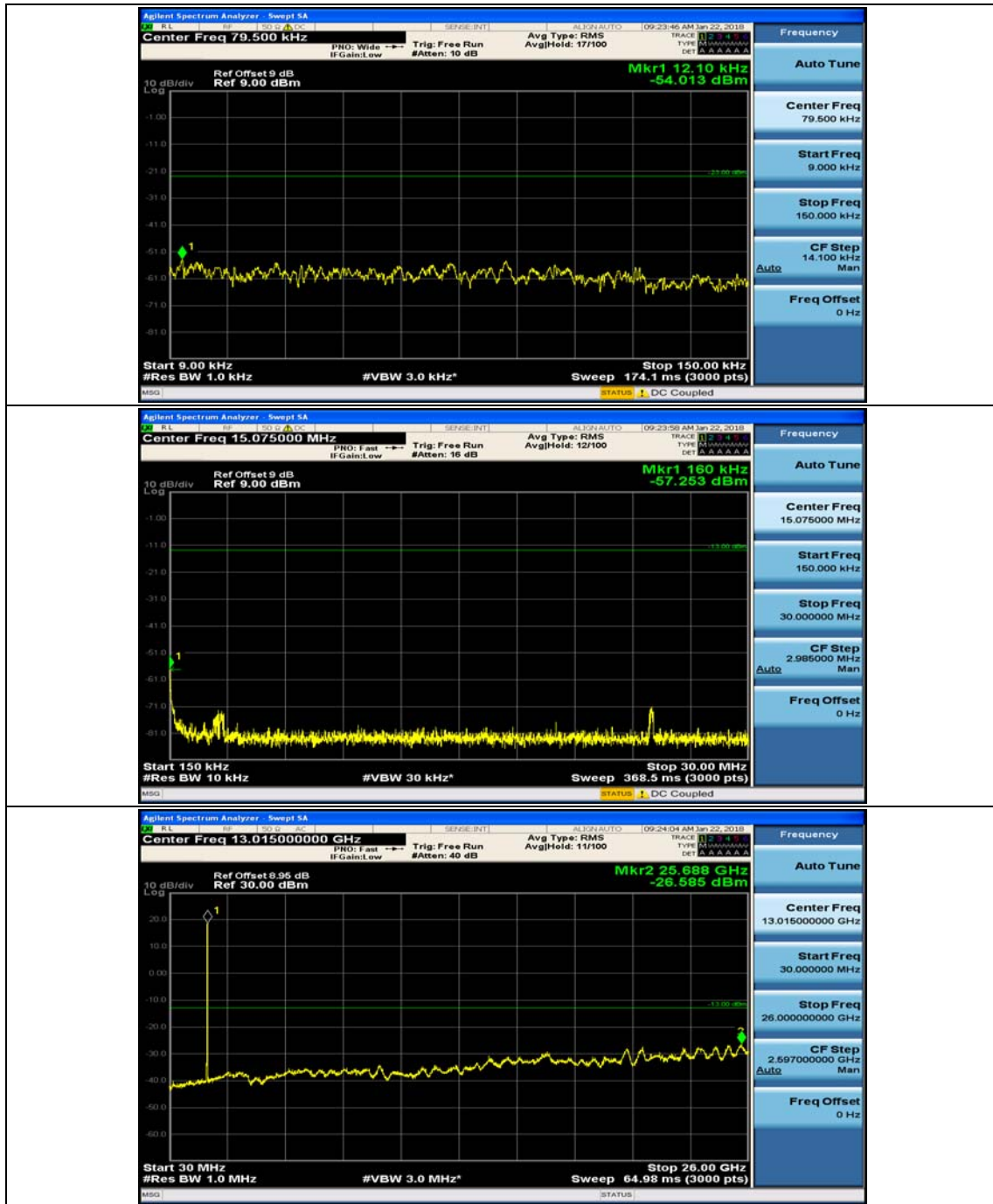


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

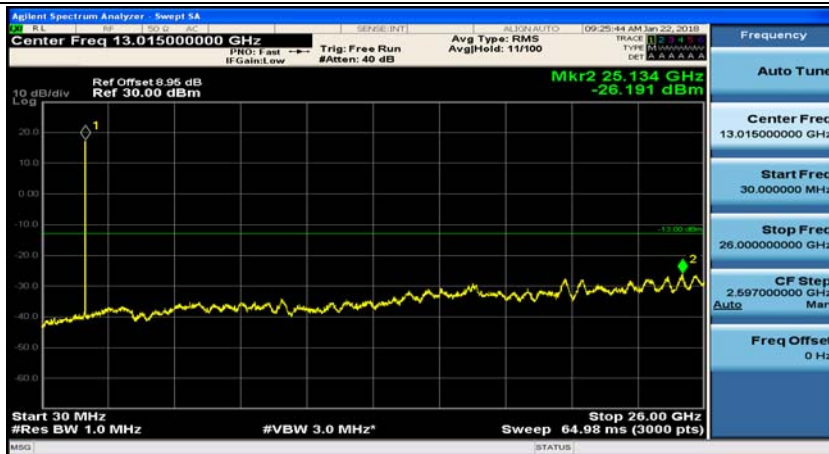
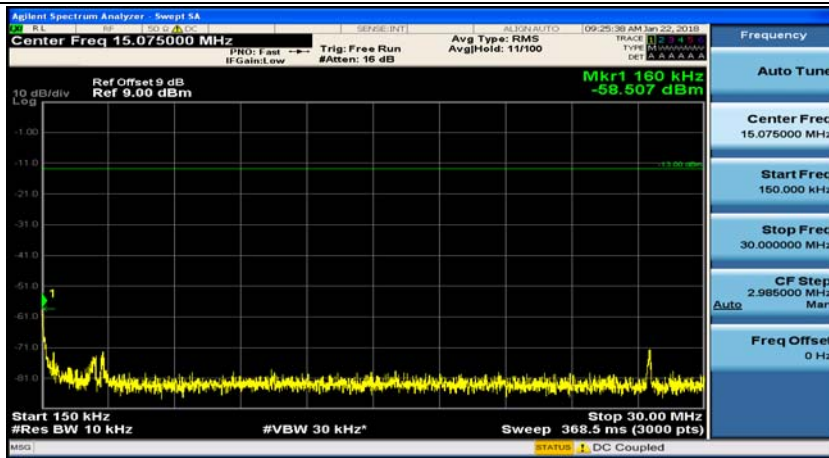
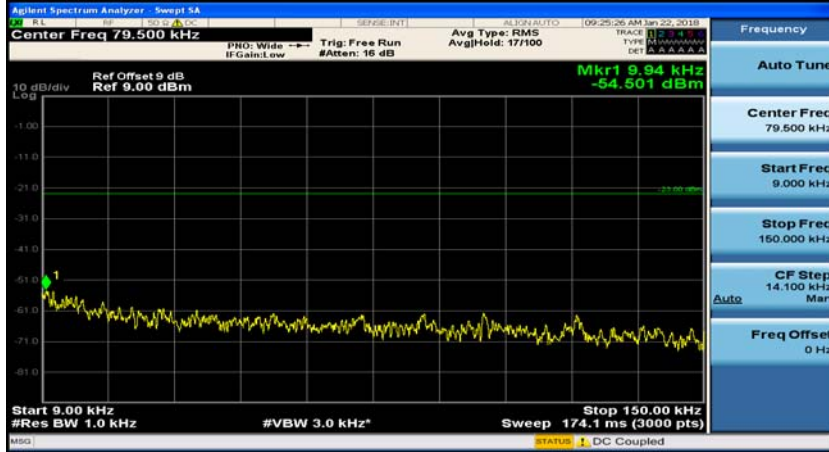


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

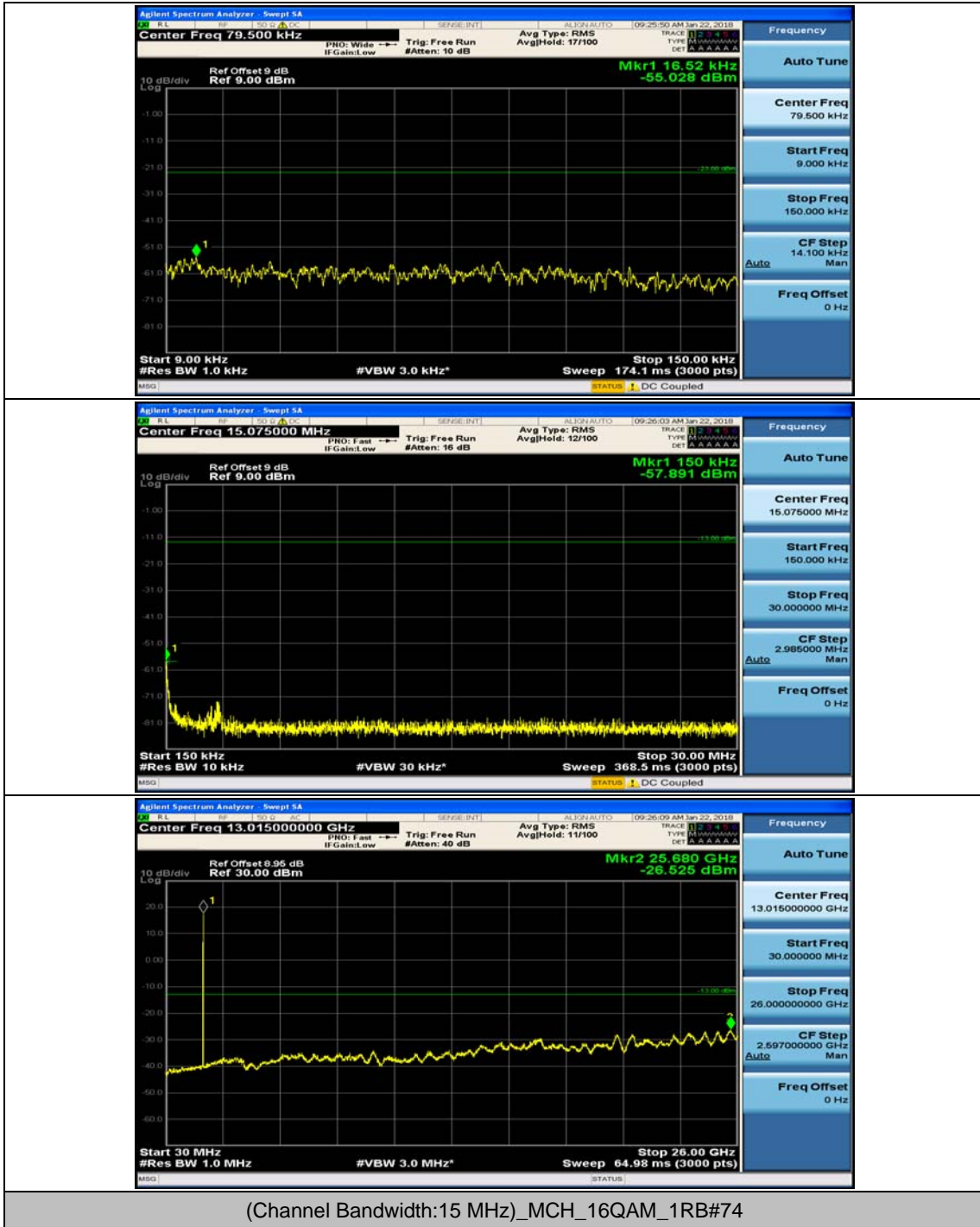


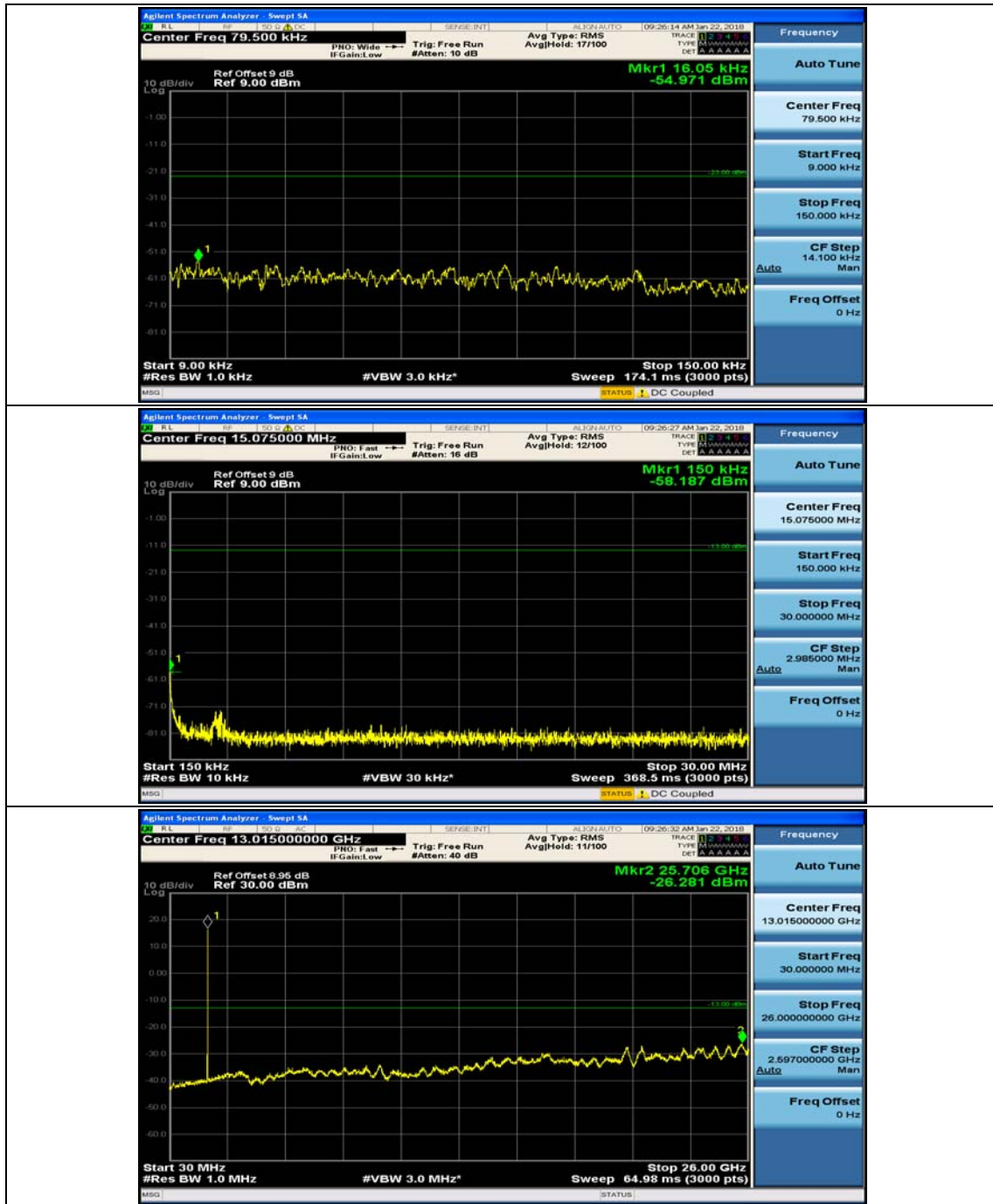


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

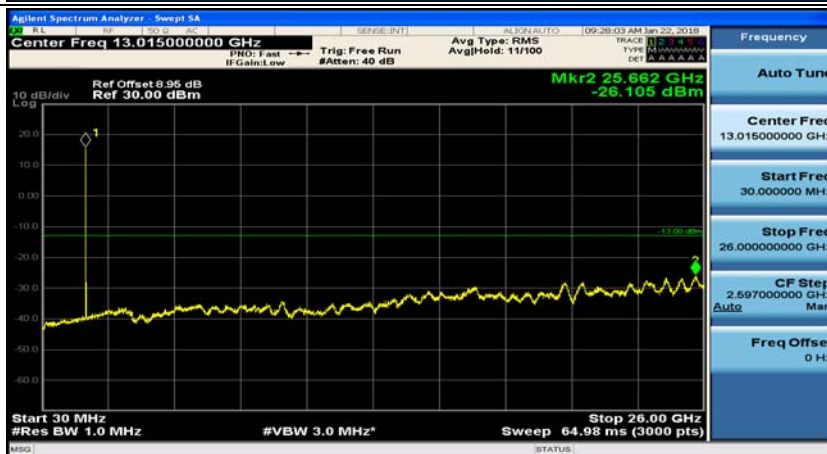
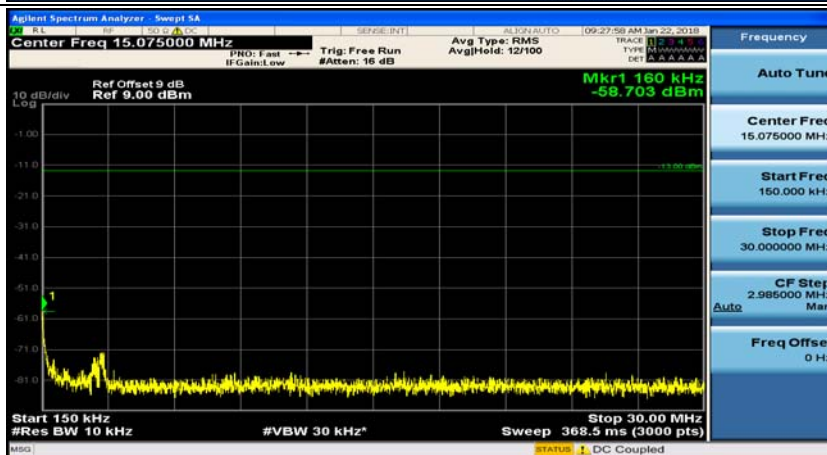
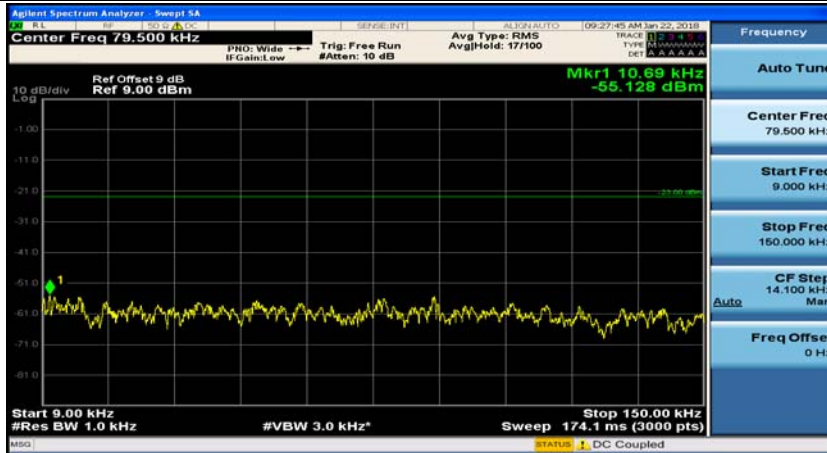


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

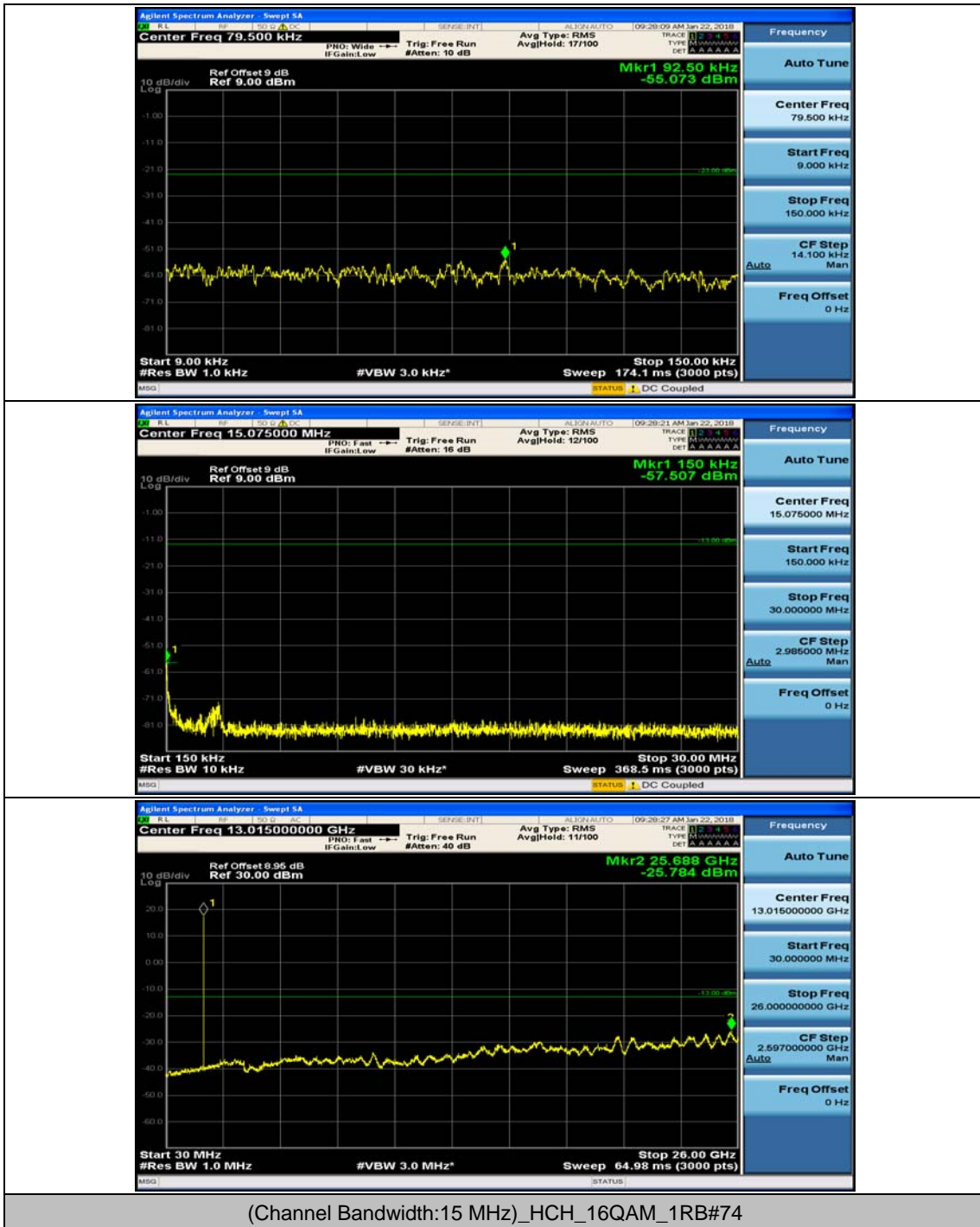


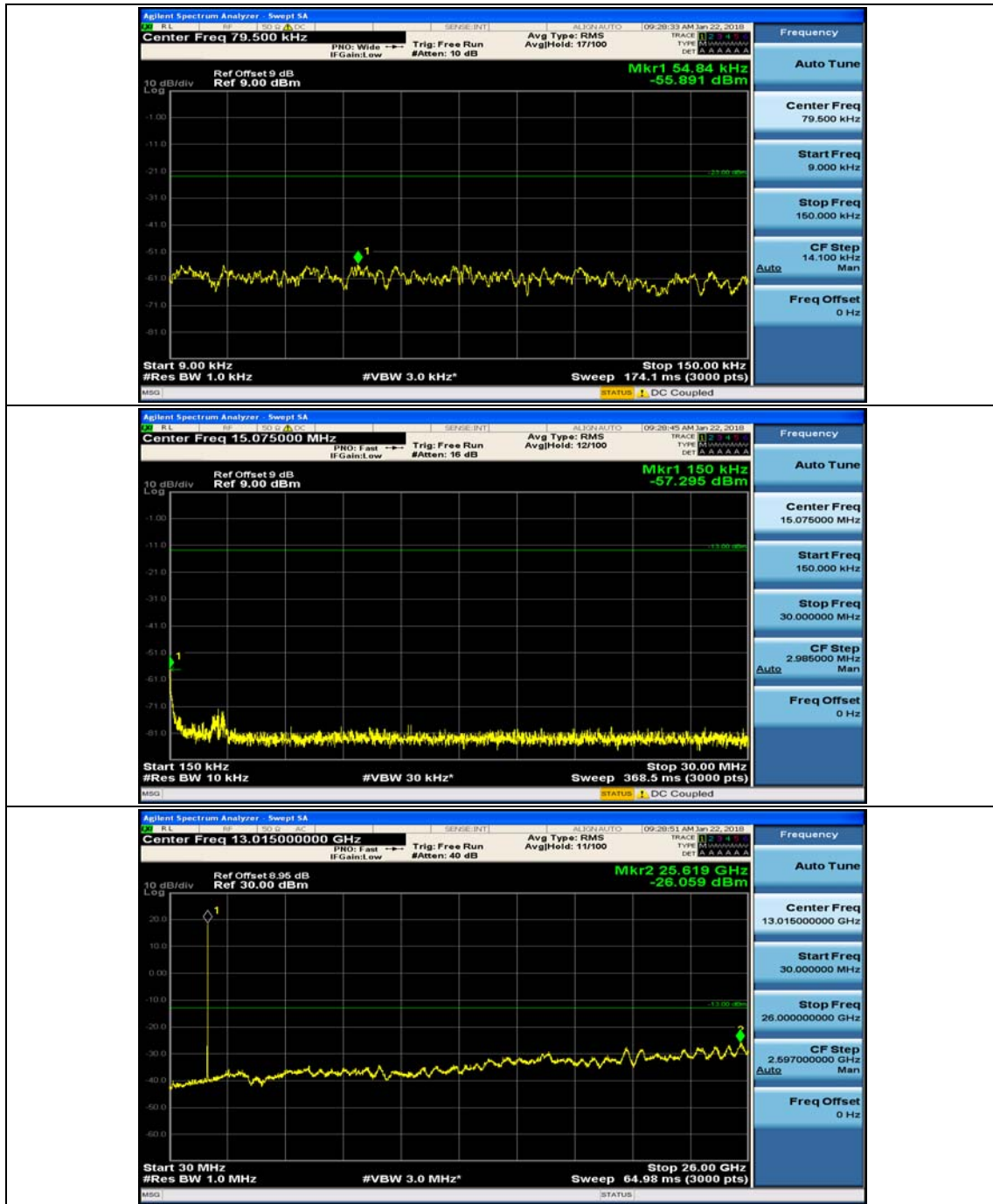


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

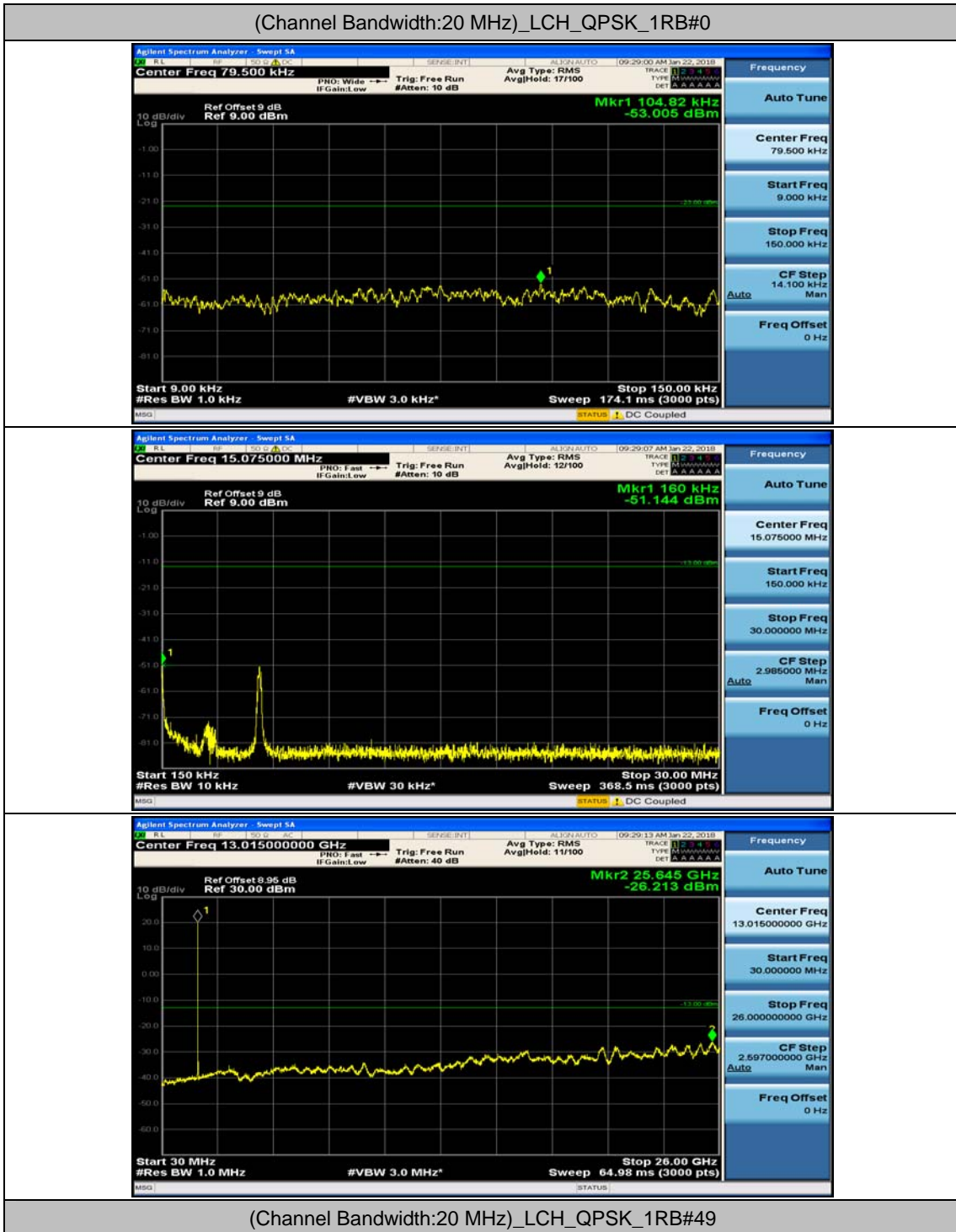


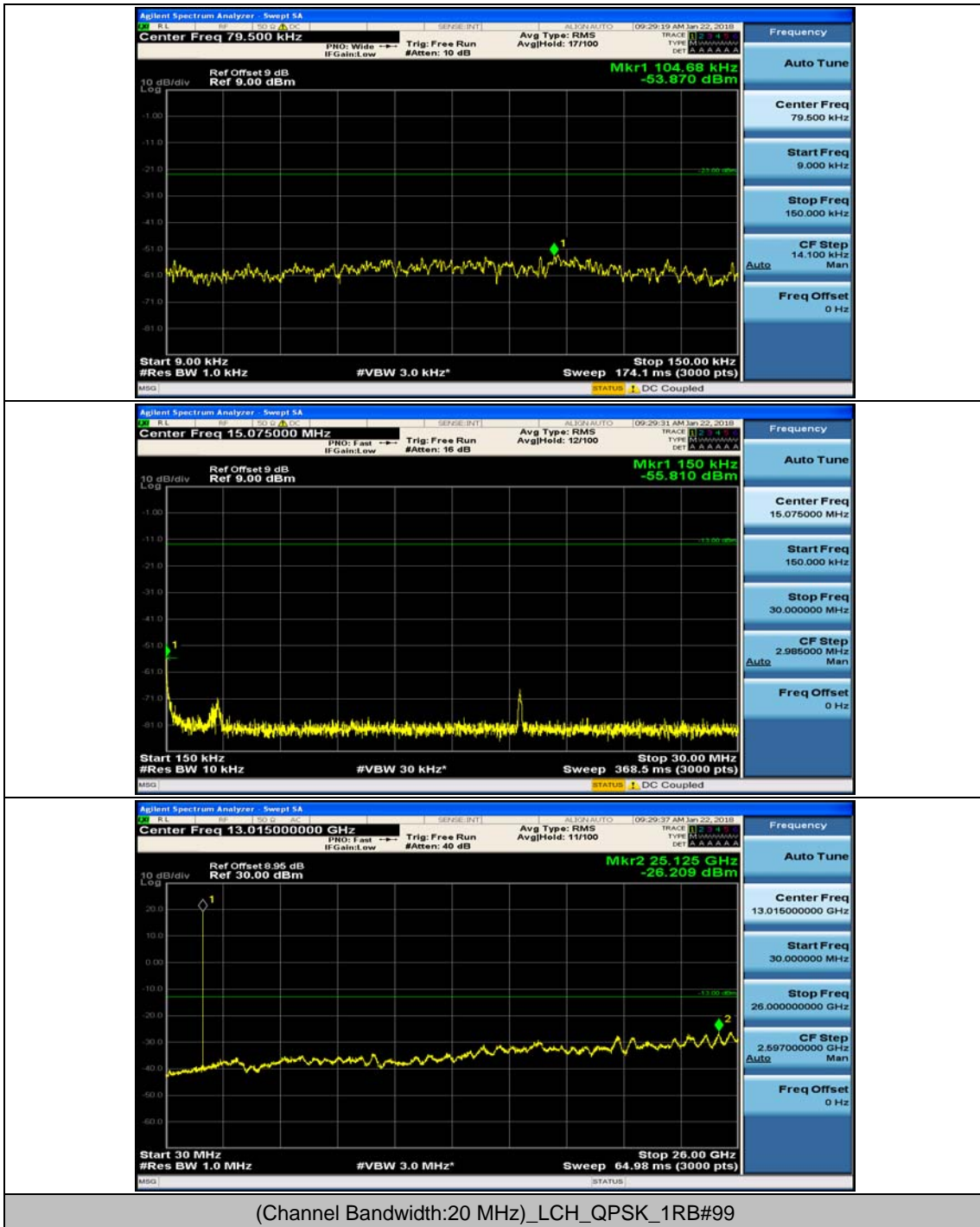
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

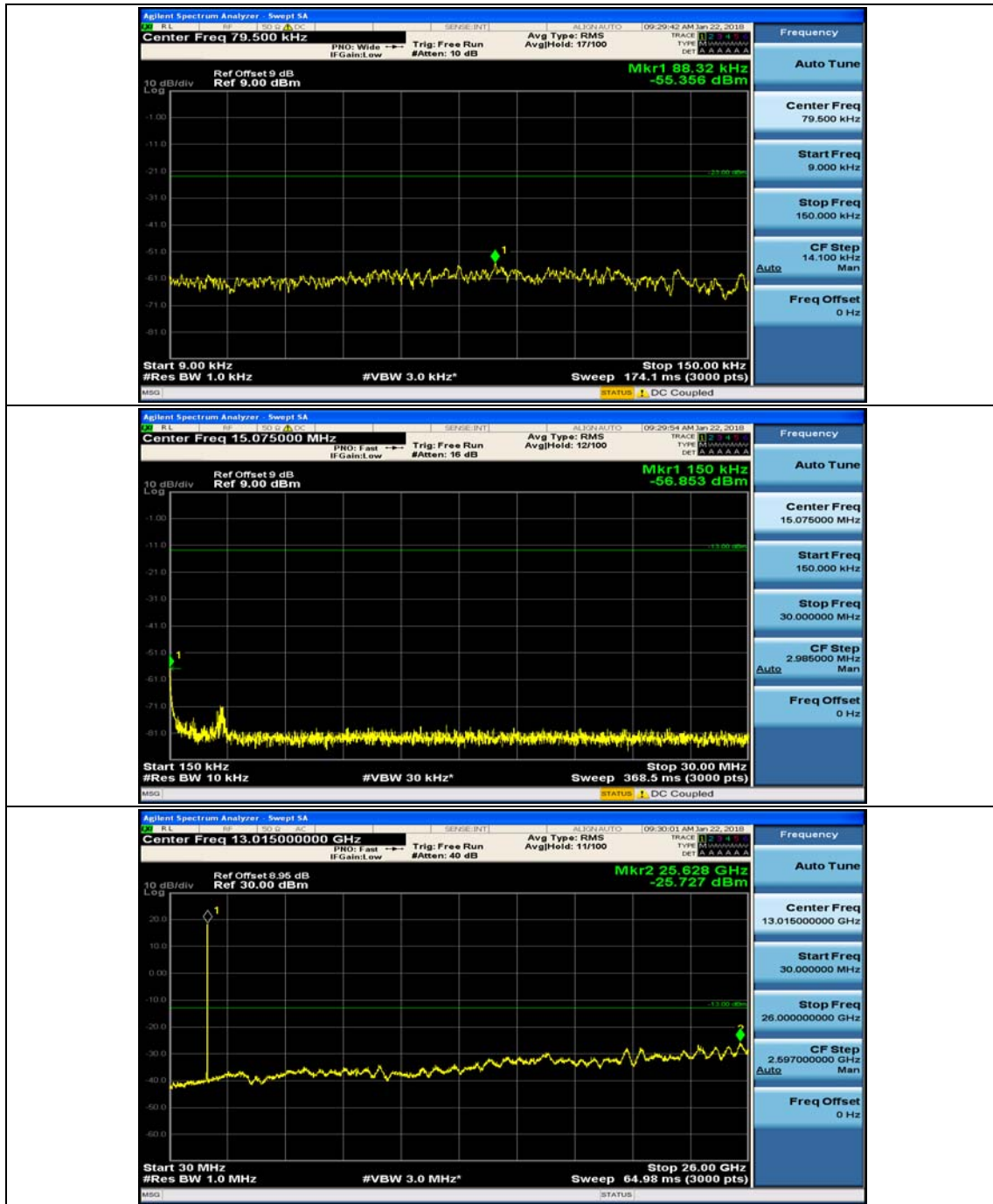




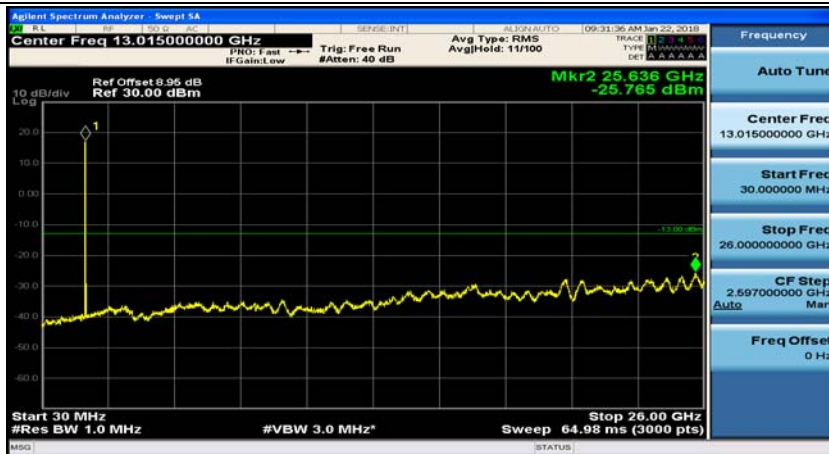
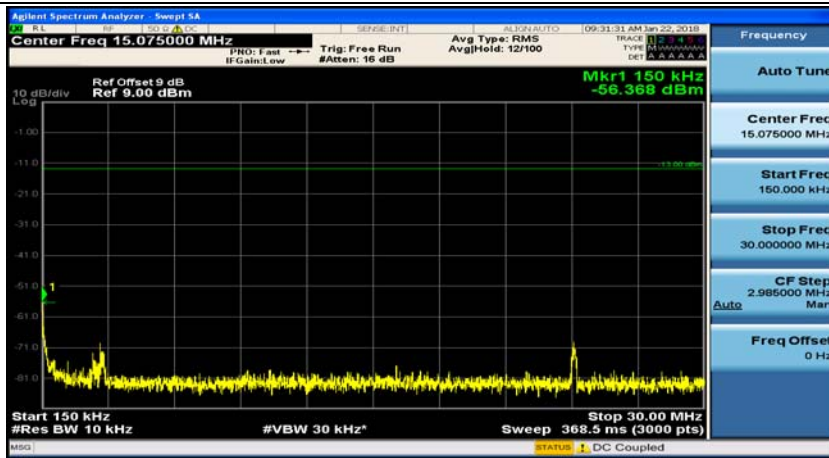
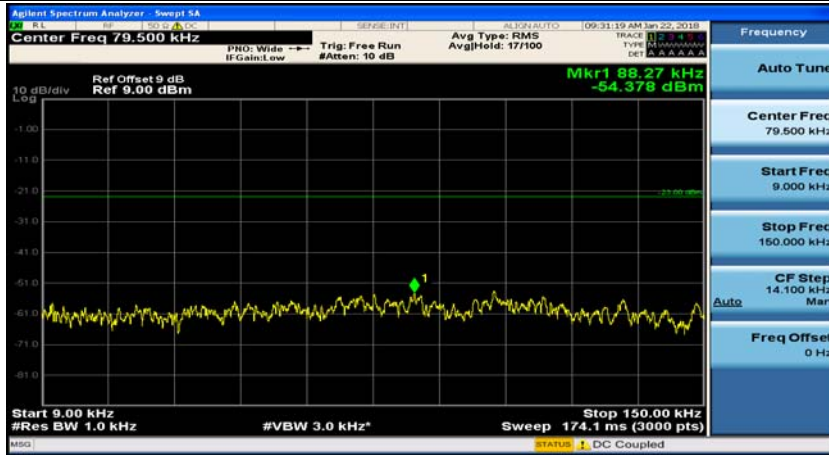
Channel Bandwidth: 20 MHz



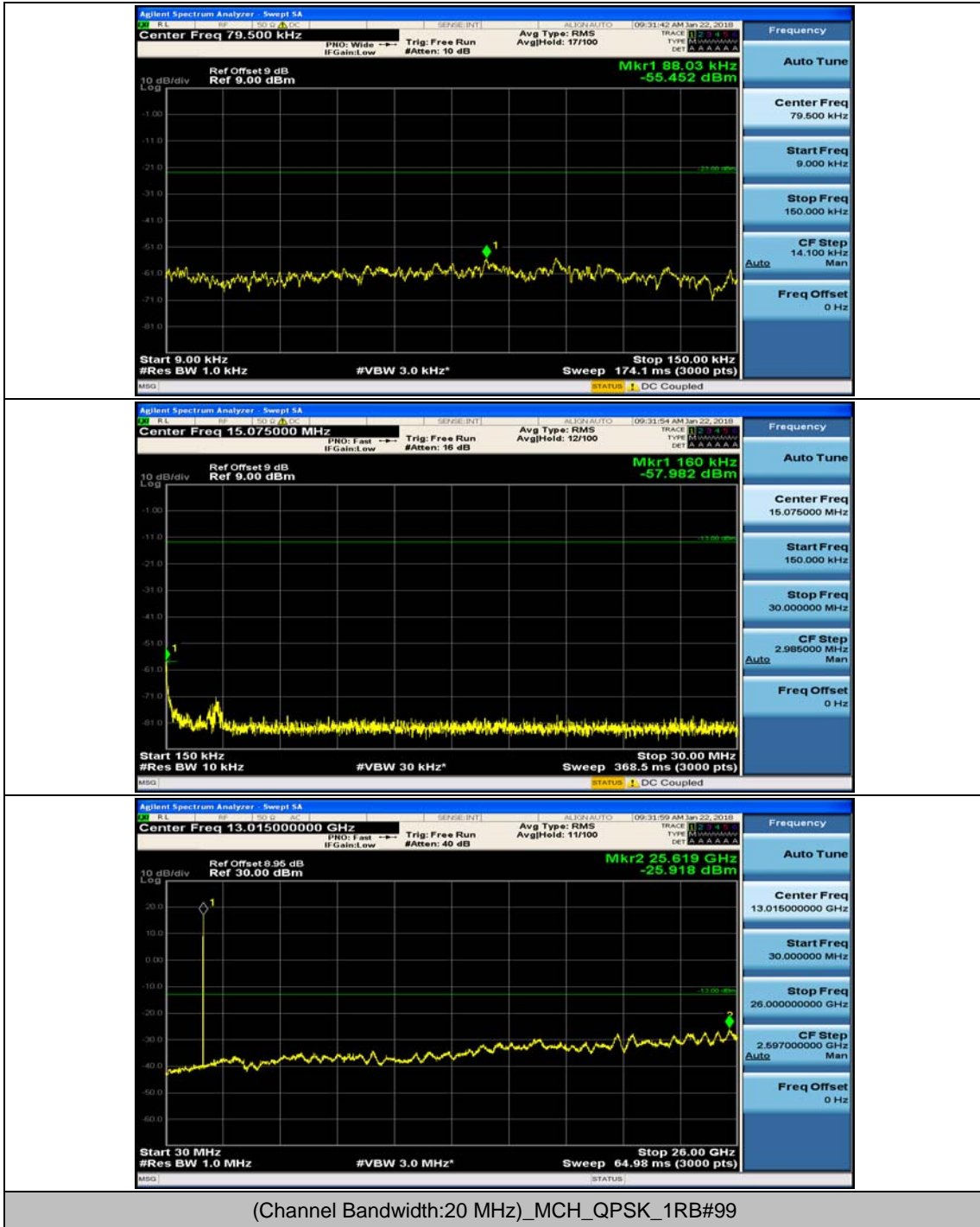


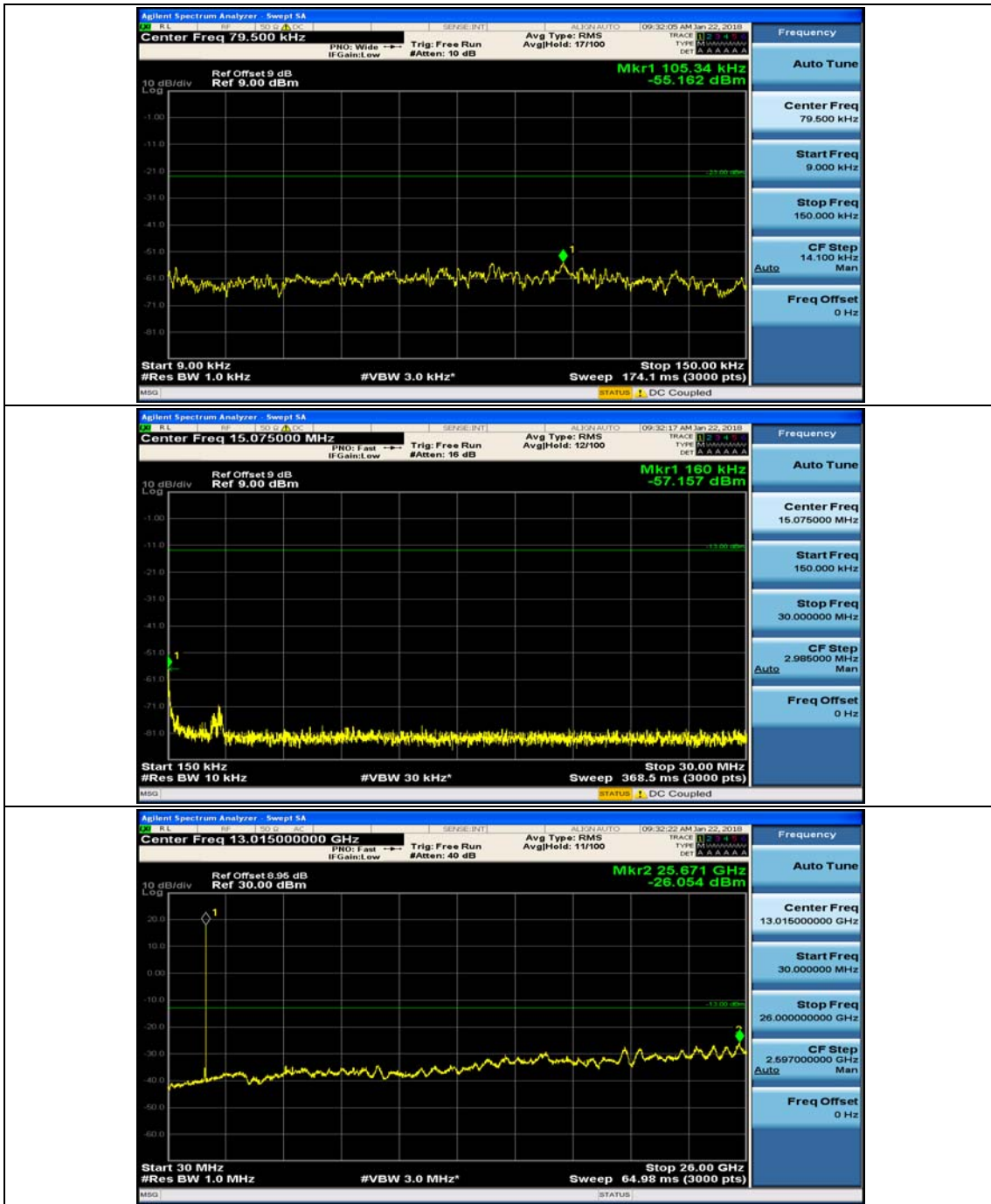


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

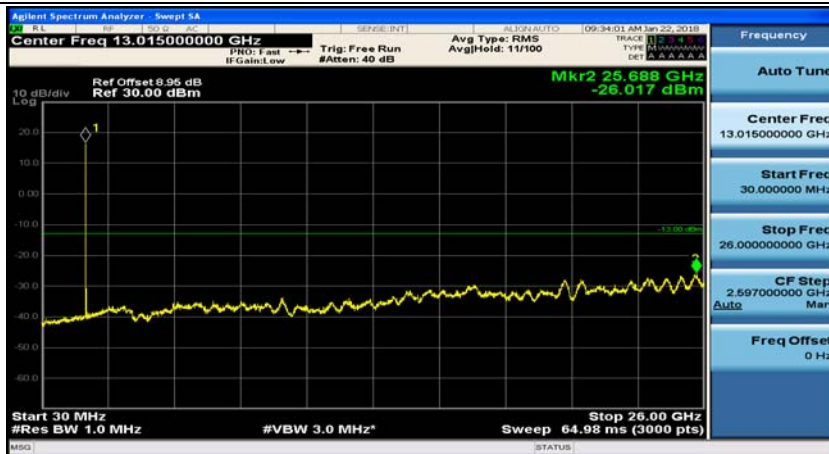
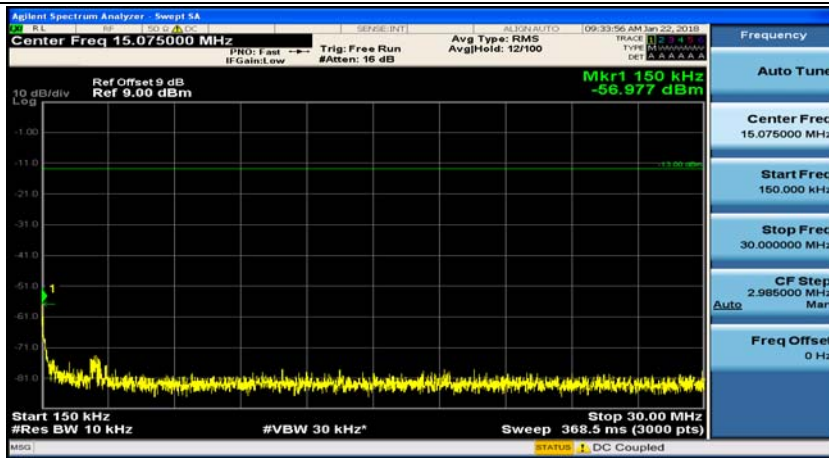


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

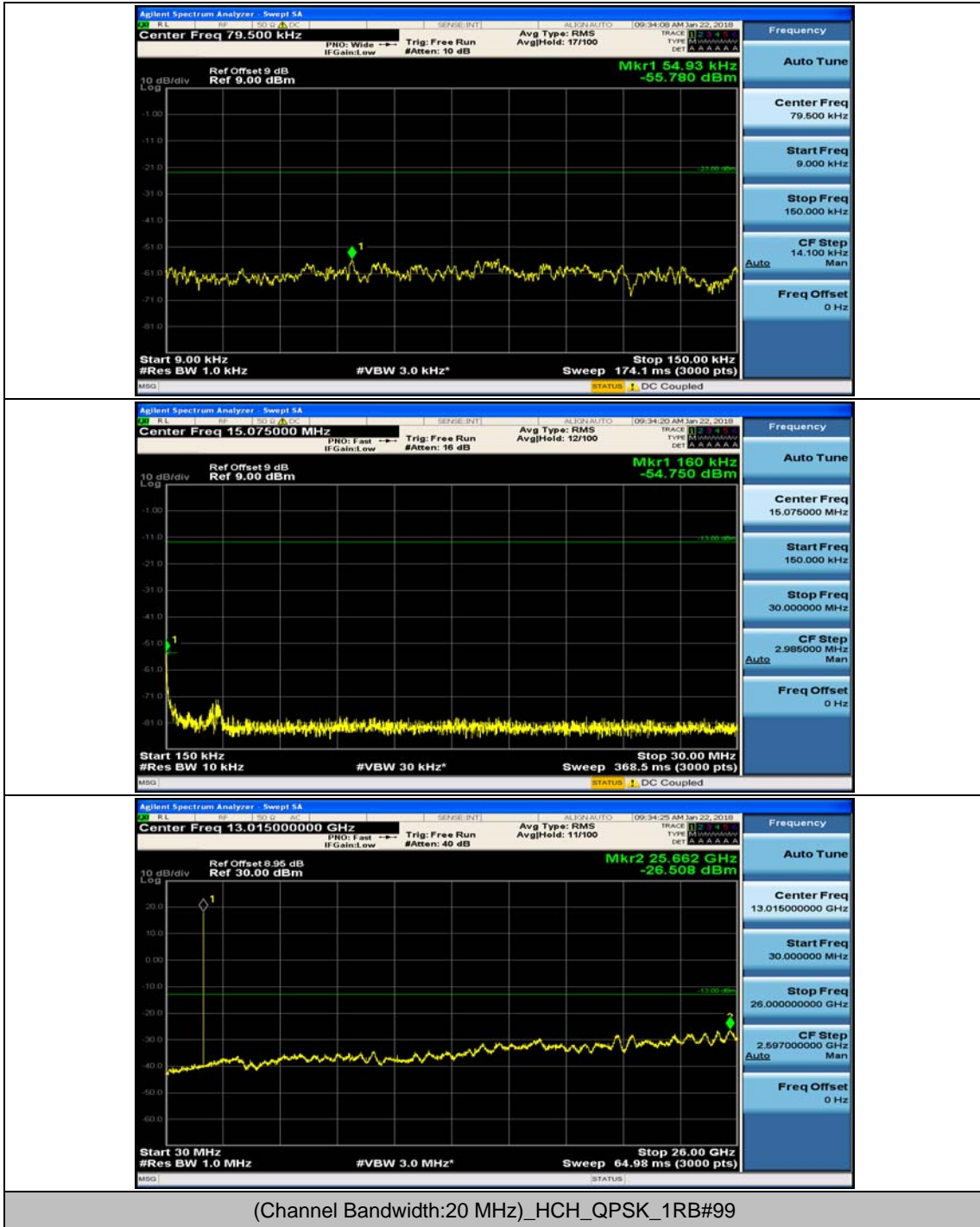


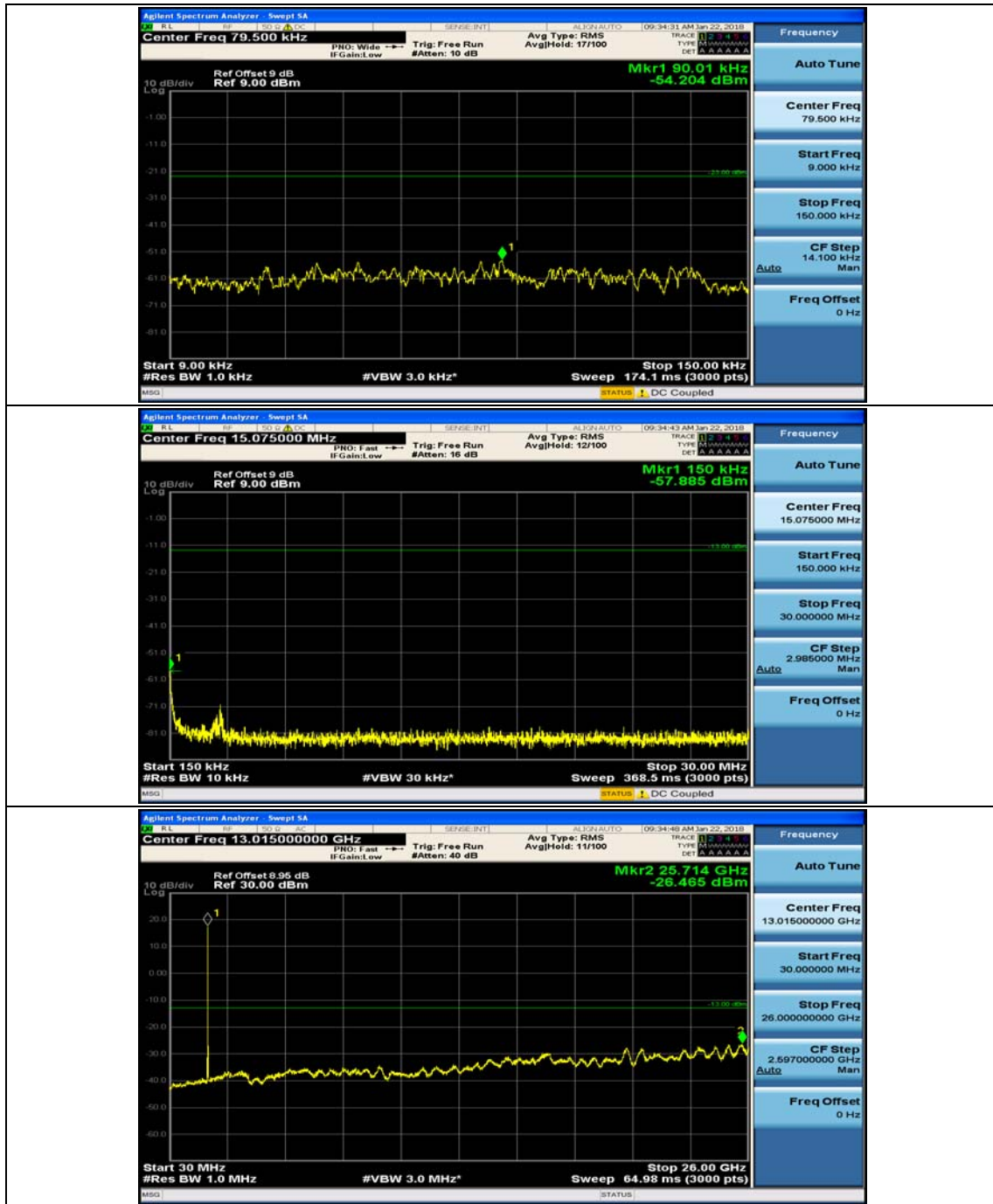


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

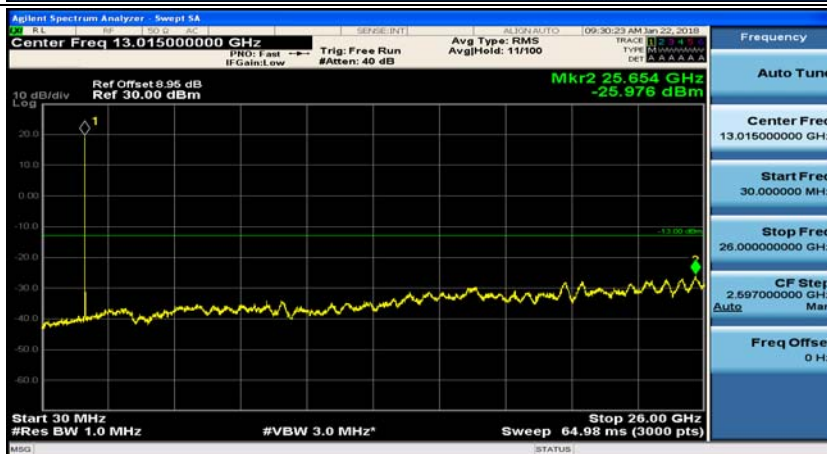
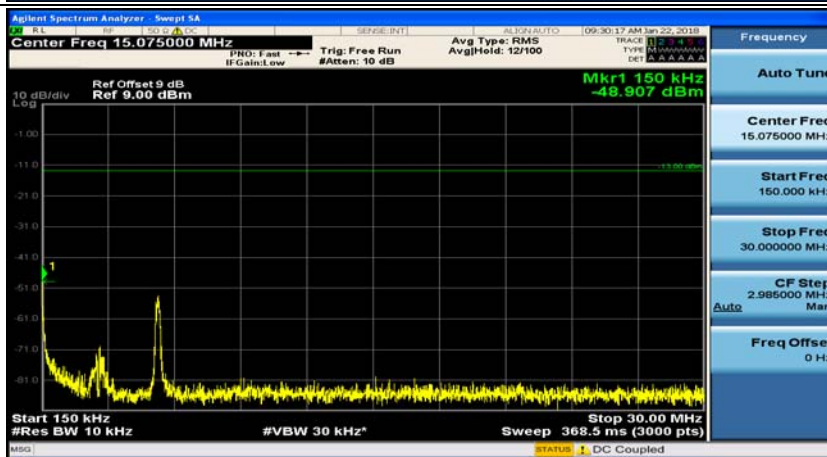
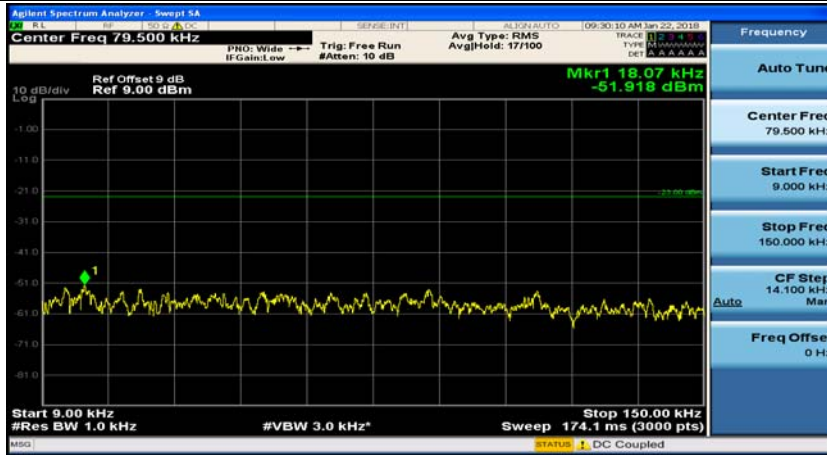


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

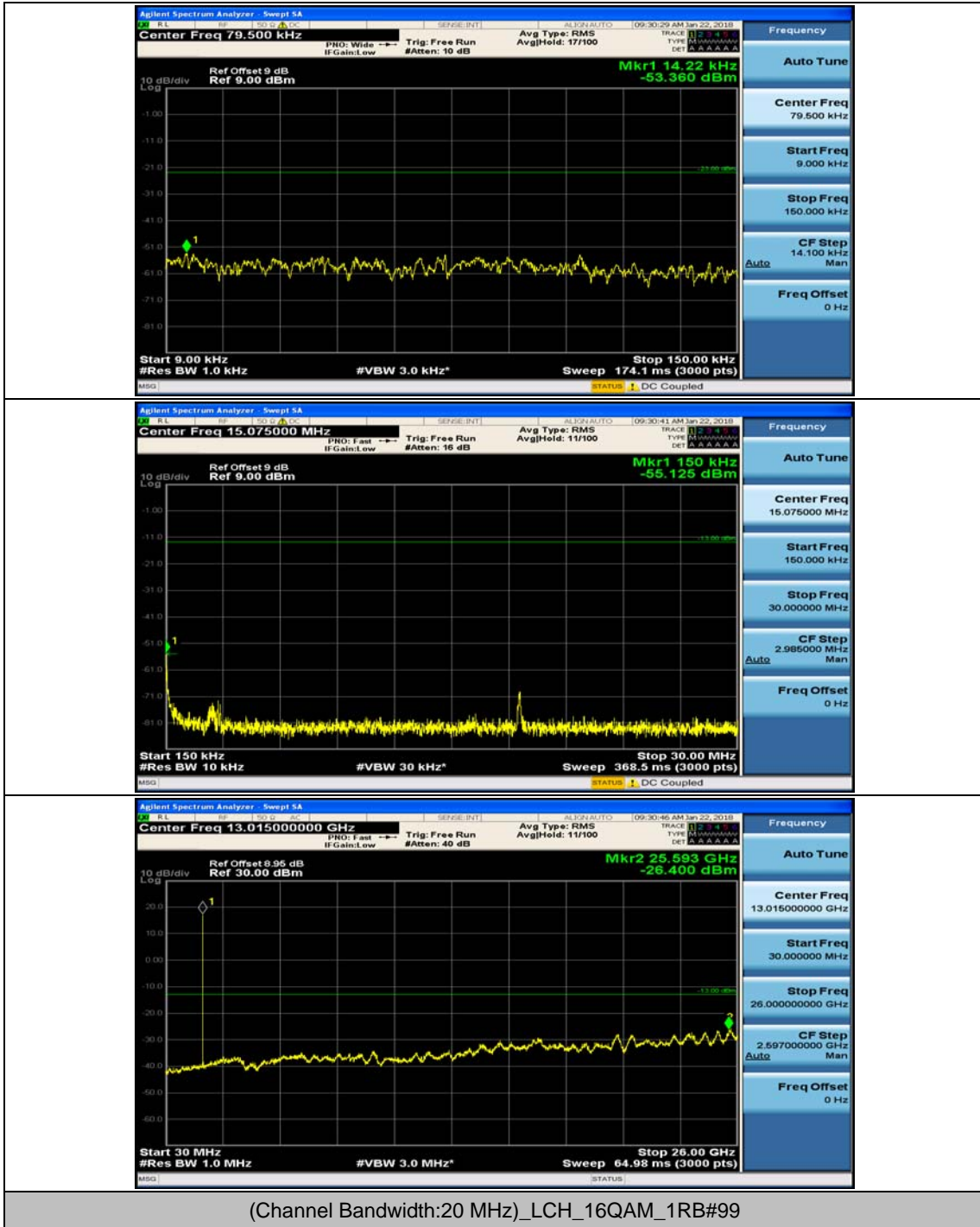


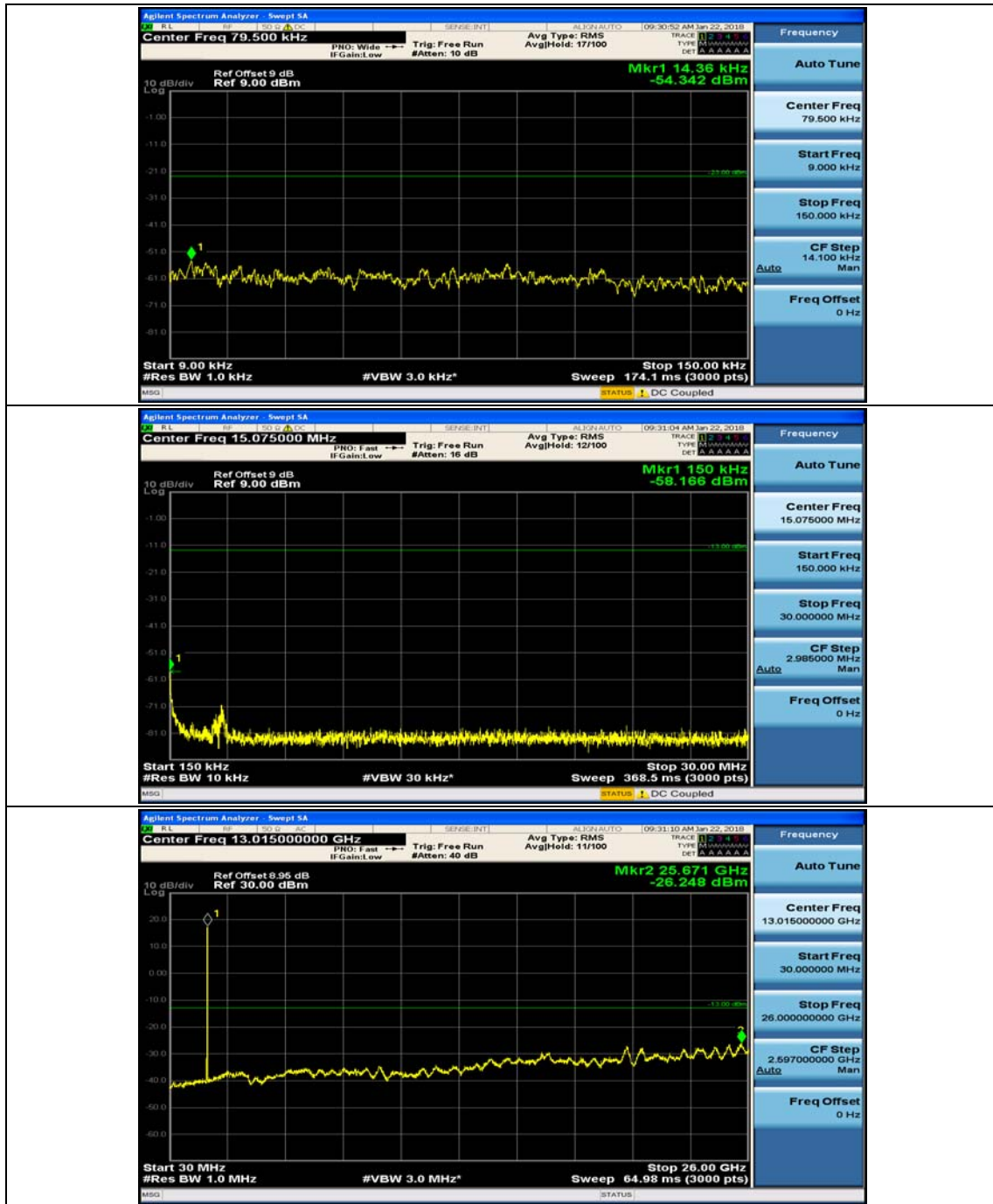


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

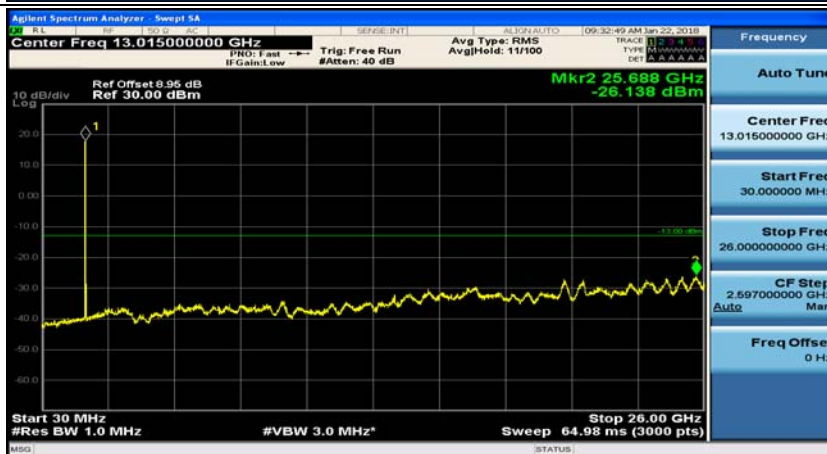
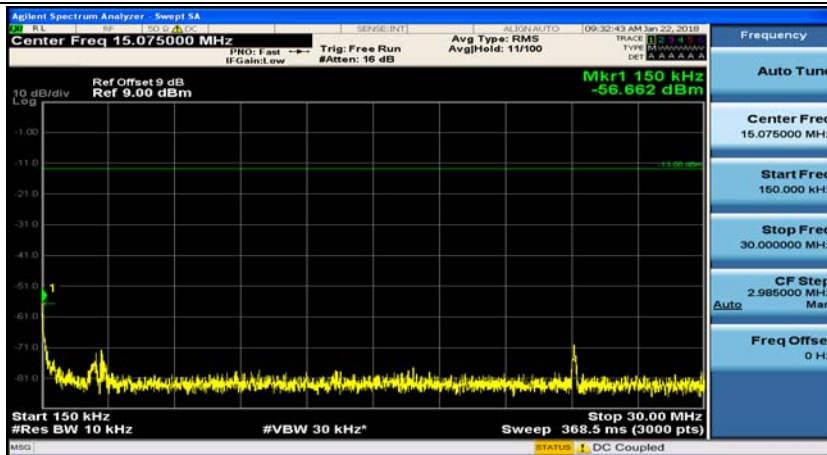


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

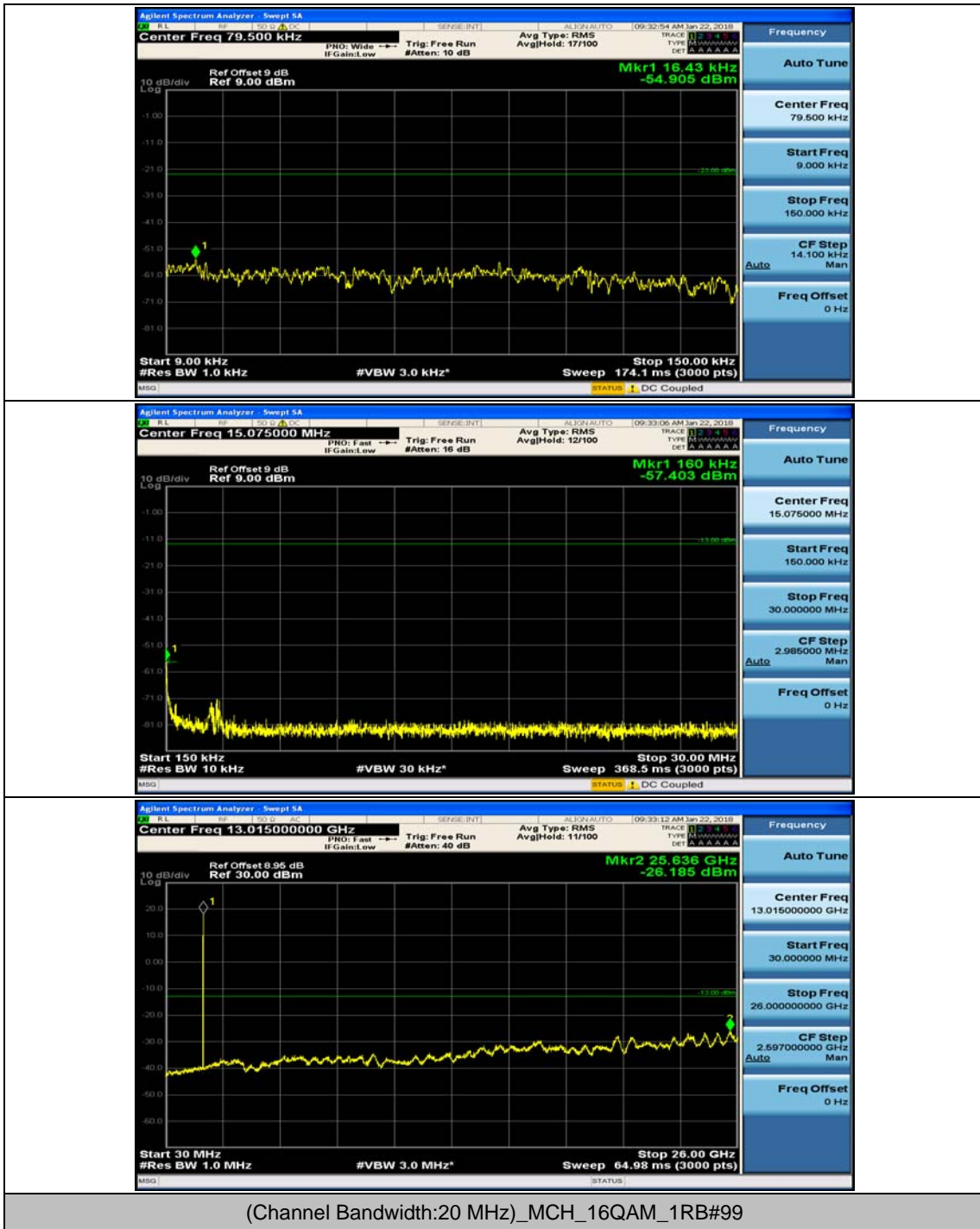


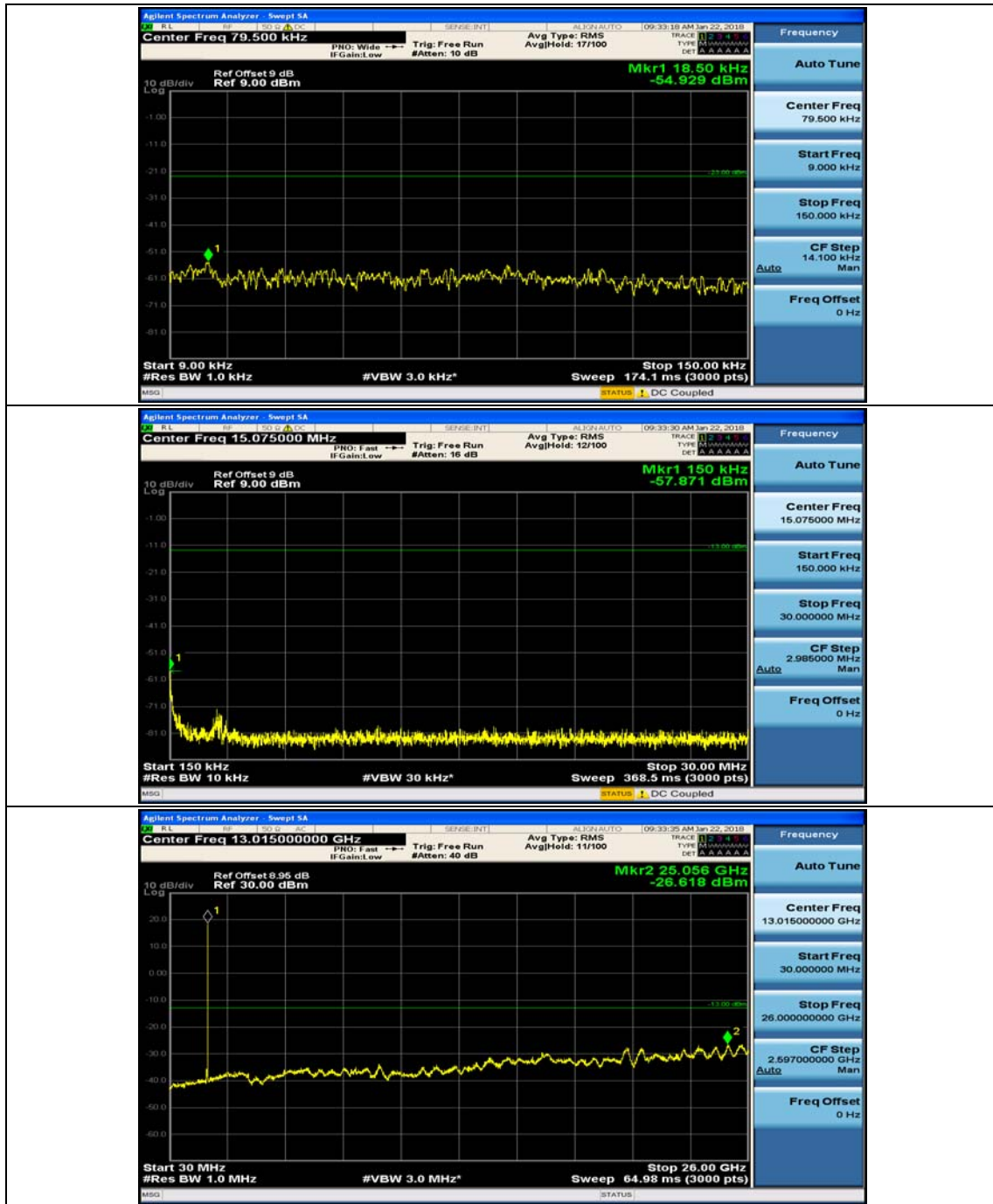


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

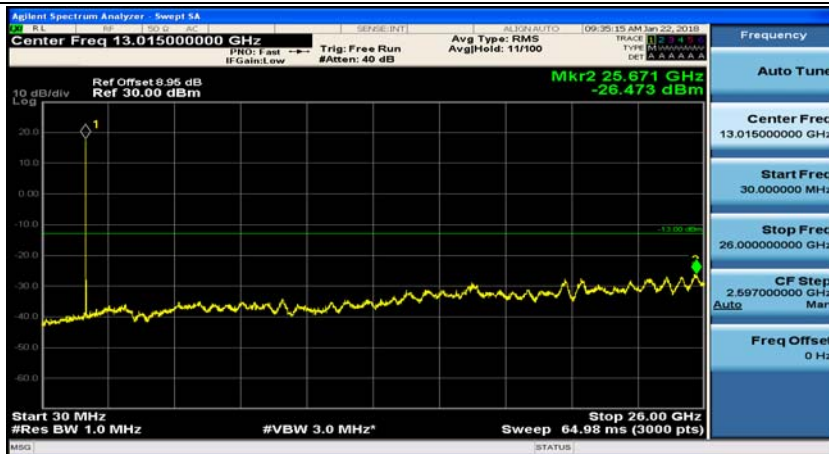
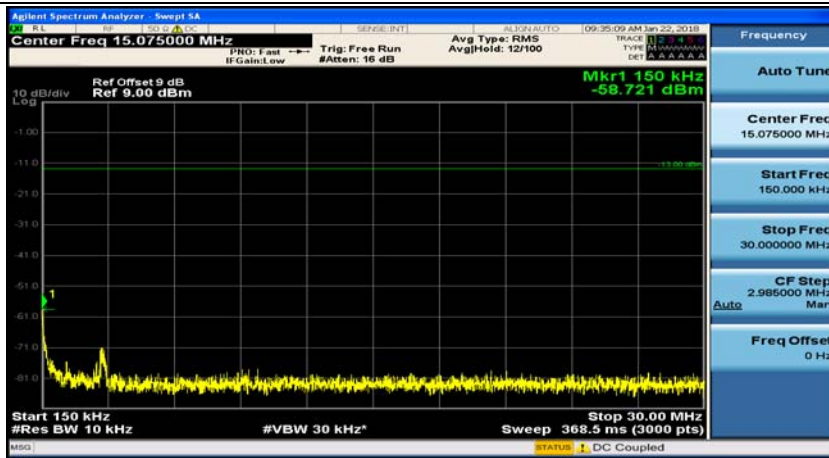


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

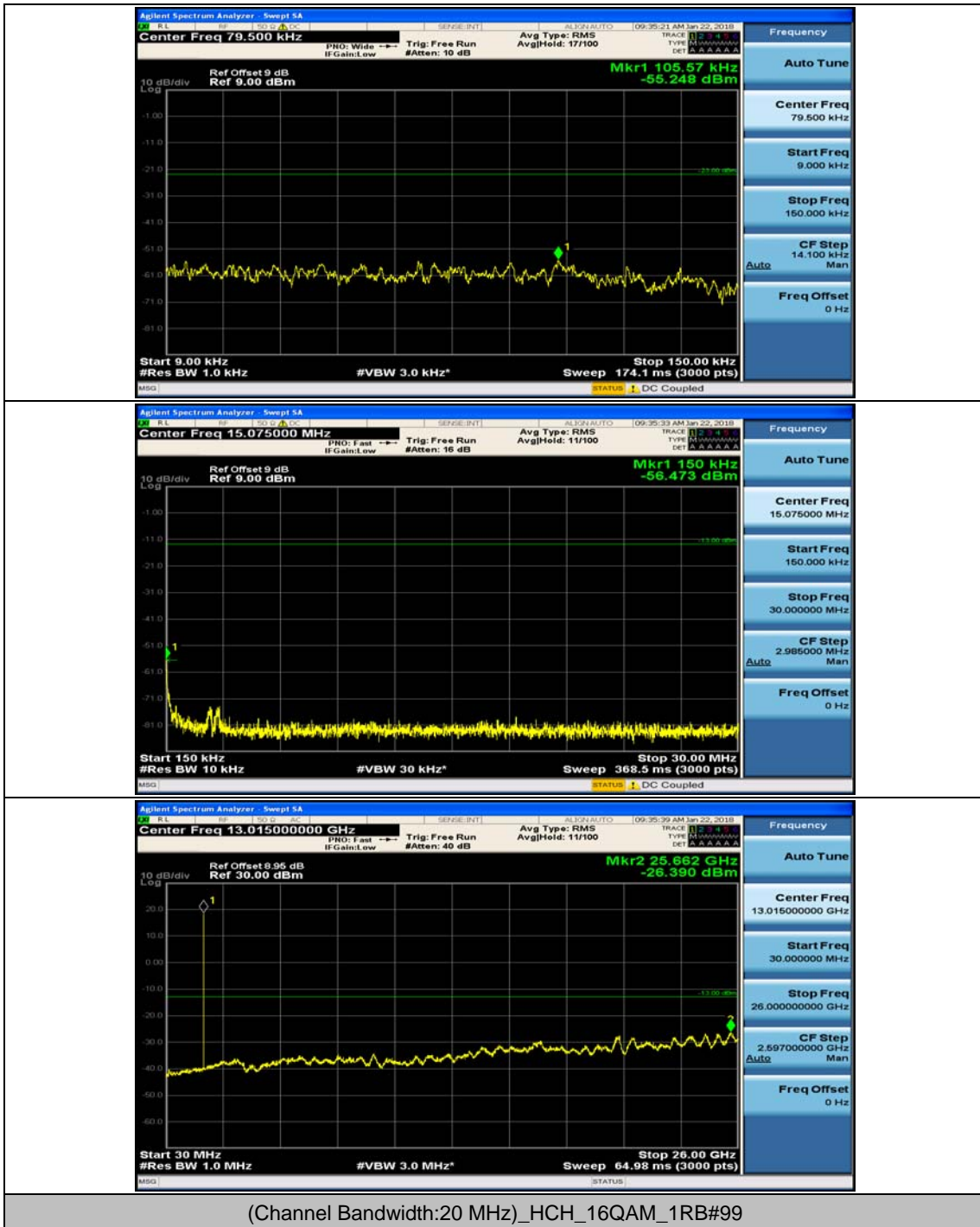


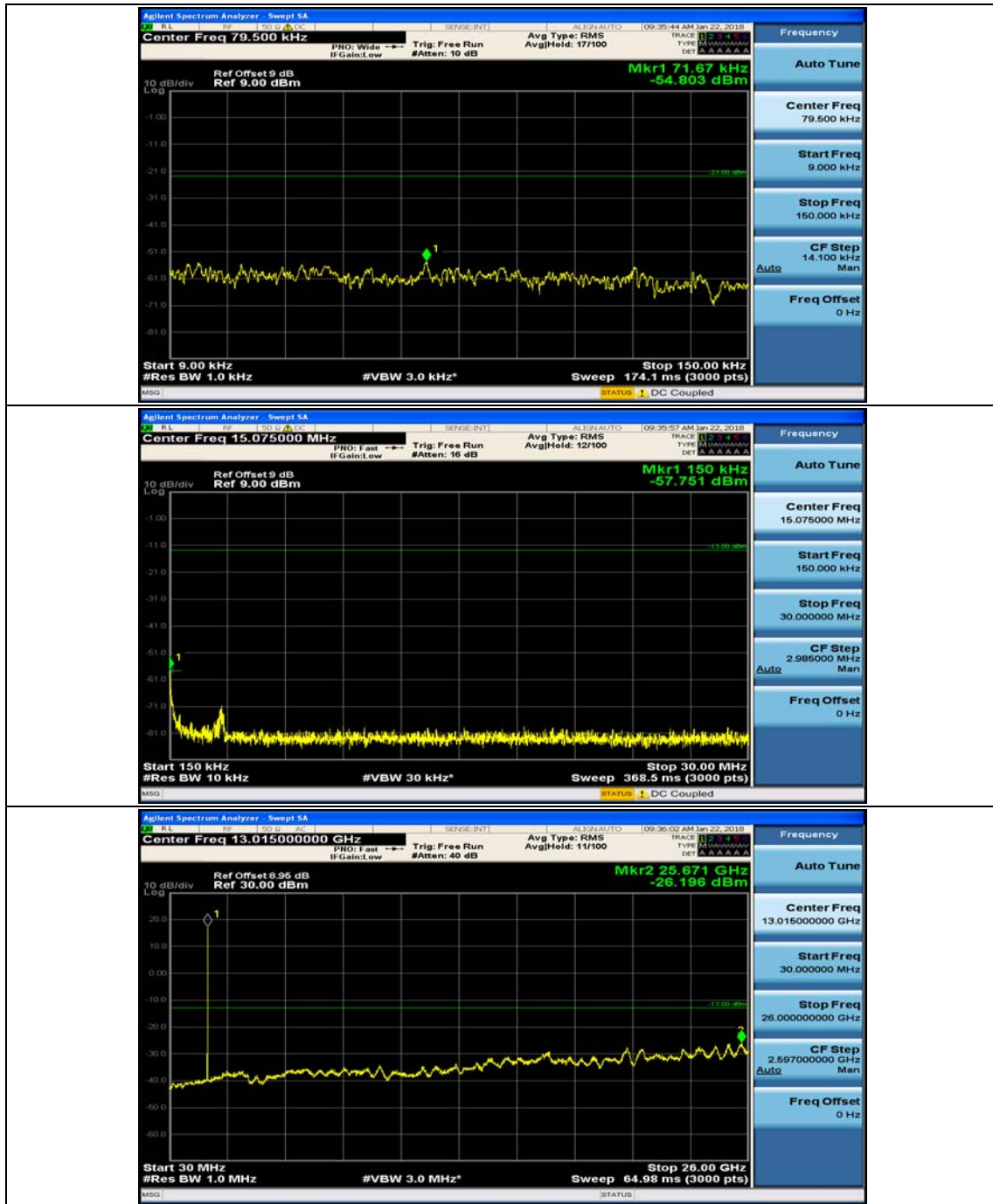


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	-1.84	-0.001076	± 2.5	PASS
		VN	TN	0.48	0.000281	± 2.5	PASS
		VH	TN	1.65	0.000965	± 2.5	PASS
	MCH	VL	TN	2.93	0.001691	± 2.5	PASS
		VN	TN	4.86	0.002805	± 2.5	PASS
		VH	TN	2.71	0.001564	± 2.5	PASS
	HCH	VL	TN	3.28	0.001870	± 2.5	PASS
		VN	TN	-1.03	-0.000587	± 2.5	PASS
		VH	TN	2.27	0.001294	± 2.5	PASS
16QAM	LCH	VL	TN	2.8	0.001637	± 2.5	PASS
		VN	TN	0.9	0.000526	± 2.5	PASS
		VH	TN	2.46	0.001438	± 2.5	PASS
	MCH	VL	TN	3.56	0.002055	± 2.5	PASS
		VN	TN	4.06	0.002343	± 2.5	PASS
		VH	TN	1.64	0.000947	± 2.5	PASS
	HCH	VL	TN	-0.45	-0.000257	± 2.5	PASS
		VN	TN	2.55	0.001454	± 2.5	PASS
		VH	TN	2.97	0.001693	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.44	-0.000257	± 2.5	PASS
		VN	-20	-0.25	-0.000146	± 2.5	PASS
		VN	-10	-0.76	-0.000444	± 2.5	PASS
		VN	0	-1.29	-0.000754	± 2.5	PASS
		VN	10	2.97	0.001736	± 2.5	PASS
		VN	20	3.47	0.002028	± 2.5	PASS
		VN	30	-1.53	-0.000894	± 2.5	PASS
		VN	40	1.75	0.001023	± 2.5	PASS
	MCH	VN	-30	2.53	0.001460	± 2.5	PASS
		VN	-20	-1.43	-0.000825	± 2.5	PASS

		VN	-10	4.34	0.002505	± 2.5	PASS		
		VN	0	1.46	0.000843	± 2.5	PASS		
		VN	10	4.79	0.002765	± 2.5	PASS		
		VN	20	4.32	0.002494	± 2.5	PASS		
		VN	30	-1.76	-0.001016	± 2.5	PASS		
		VN	40	-0.17	-0.000098	± 2.5	PASS		
		VN	50	-1.45	-0.000837	± 2.5	PASS		
	HCH	VN	-30	-1.11	-0.000633	± 2.5	PASS		
		VN	-20	4.96	0.002827	± 2.5	PASS		
		VN	-10	-1.65	-0.000941	± 2.5	PASS		
		VN	0	0.76	0.000433	± 2.5	PASS		
		VN	10	4.93	0.002810	± 2.5	PASS		
		VN	20	-1.14	-0.000650	± 2.5	PASS		
		VN	30	-1.69	-0.000963	± 2.5	PASS		
		VN	40	0.33	0.000188	± 2.5	PASS		
		VN	50	0.49	0.000279	± 2.5	PASS		
		16QAM	LCH	VN	-30	4.23	0.002473	± 2.5	PASS
				VN	-20	3.97	0.002321	± 2.5	PASS
VN	-10			2.15	0.001257	± 2.5	PASS		
VN	0			2.55	0.001491	± 2.5	PASS		
VN	10			4.83	0.002823	± 2.5	PASS		
VN	20			0.17	0.000099	± 2.5	PASS		
VN	30			1.85	0.001081	± 2.5	PASS		
VN	40			1.08	0.000631	± 2.5	PASS		
VN	50			3.29	0.001923	± 2.5	PASS		
MCH	VN		-30	0.21	0.000120	± 2.5	PASS		
	VN		-20	2.6	0.001482	± 2.5	PASS		
	VN		-10	-1.85	-0.001055	± 2.5	PASS		
	VN		0	-1.07	-0.000610	± 2.5	PASS		
	VN		10	4.32	0.002463	± 2.5	PASS		
	VN		20	1.4	0.000798	± 2.5	PASS		
	VN		30	3.47	0.001978	± 2.5	PASS		
	VN		40	4.57	0.002605	± 2.5	PASS		
	VN		50	-1.16	-0.000661	± 2.5	PASS		
HCH	VN		-30	4	0.002280	± 2.5	PASS		
	VN		-20	2.82	0.001607	± 2.5	PASS		
	VN		-10	3.02	0.001721	± 2.5	PASS		
	VN		0	2.71	0.001545	± 2.5	PASS		
	VN		10	2.98	0.001699	± 2.5	PASS		
	VN		20	-0.65	-0.000371	± 2.5	PASS		
	VN		30	-0.12	-0.000068	± 2.5	PASS		

		VN	40	0.59	0.000336	± 2.5	PASS
		VN	50	0.43	0.000245	± 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	2.83	0.001654	± 2.5	PASS
		VN	TN	1.44	0.000841	± 2.5	PASS
		VH	TN	2.35	0.001373	± 2.5	PASS
	MCH	VL	TN	4.38	0.002528	± 2.5	PASS
		VN	TN	-0.45	-0.000260	± 2.5	PASS
		VH	TN	0.18	0.000104	± 2.5	PASS
	HCH	VL	TN	2.82	0.001608	± 2.5	PASS
		VN	TN	3.23	0.001842	± 2.5	PASS
		VH	TN	-0.01	-0.000006	± 2.5	PASS
16QAM	LCH	VL	TN	-1.69	-0.000987	± 2.5	PASS
		VN	TN	-0.37	-0.000216	± 2.5	PASS
		VH	TN	-0.74	-0.000432	± 2.5	PASS
	MCH	VL	TN	0.81	0.000468	± 2.5	PASS
		VN	TN	1.98	0.001143	± 2.5	PASS
		VH	TN	-0.29	-0.000167	± 2.5	PASS
	HCH	VL	TN	3.58	0.002042	± 2.5	PASS
		VN	TN	0.83	0.000473	± 2.5	PASS
		VH	TN	0.84	0.000479	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.08	0.001800	± 2.5	PASS
		VN	-20	1.93	0.001128	± 2.5	PASS
		VN	-10	2.32	0.001356	± 2.5	PASS
		VN	0	1.18	0.000689	± 2.5	PASS
		VN	10	3.18	0.001858	± 2.5	PASS
		VN	20	2.26	0.001320	± 2.5	PASS
		VN	30	2.63	0.001537	± 2.5	PASS
		VN	40	-0.13	-0.000076	± 2.5	PASS
		VN	50	1.8	0.001052	± 2.5	PASS
	MCH	VN	-30	0.63	0.000364	± 2.5	PASS
		VN	-20	2.84	0.001639	± 2.5	PASS
		VN	-10	1.29	0.000745	± 2.5	PASS

		VN	0	1.88	0.001085	± 2.5	PASS		
		VN	10	0.56	0.000323	± 2.5	PASS		
		VN	20	-1.27	-0.000733	± 2.5	PASS		
		VN	30	2.09	0.001206	± 2.5	PASS		
		VN	40	-0.19	-0.000110	± 2.5	PASS		
		VN	50	0.2	0.000115	± 2.5	PASS		
	HCH	VN	-30	1.58	0.000901	± 2.5	PASS		
		VN	-20	0.44	0.000251	± 2.5	PASS		
		VN	-10	4.01	0.002287	± 2.5	PASS		
		VN	0	-1.81	-0.001032	± 2.5	PASS		
		VN	10	-1.28	-0.000730	± 2.5	PASS		
		VN	20	1.79	0.001021	± 2.5	PASS		
		VN	30	1.91	0.001089	± 2.5	PASS		
		VN	40	3.59	0.002047	± 2.5	PASS		
		VN	50	2.65	0.001511	± 2.5	PASS		
		16QAM	LCH	VN	-30	-1.87	-0.001079	± 2.5	PASS
				VN	-20	4.77	0.002753	± 2.5	PASS
				VN	-10	-1.82	-0.001051	± 2.5	PASS
VN	0			0.48	0.000277	± 2.5	PASS		
VN	10			3.24	0.001870	± 2.5	PASS		
VN	20			0.05	0.000029	± 2.5	PASS		
VN	30			4.33	0.002499	± 2.5	PASS		
VN	40			0.87	0.000502	± 2.5	PASS		
VN	50			-0.18	-0.000104	± 2.5	PASS		
MCH	VN		-30	-0.31	-0.000177	± 2.5	PASS		
	VN		-20	0.87	0.000496	± 2.5	PASS		
	VN		-10	1.52	0.000867	± 2.5	PASS		
	VN		0	3.13	0.001785	± 2.5	PASS		
	VN		10	-0.11	-0.000063	± 2.5	PASS		
	VN		20	2.22	0.001266	± 2.5	PASS		
	VN		30	-1.88	-0.001072	± 2.5	PASS		
	VN		40	4.03	0.002298	± 2.5	PASS		
	VN		50	2.37	0.001352	± 2.5	PASS		
HCH	VN		-30	0.72	0.000411	± 2.5	PASS		
	VN		-20	-0.67	-0.000382	± 2.5	PASS		
	VN		-10	1.59	0.000907	± 2.5	PASS		
	VN		0	3.17	0.001808	± 2.5	PASS		
	VN		10	2.96	0.001688	± 2.5	PASS		
	VN		20	-1.61	-0.000918	± 2.5	PASS		
	VN		30	2.04	0.001163	± 2.5	PASS		
	VN		40	-0.66	-0.000376	± 2.5	PASS		

		VN	50	2	0.001141	± 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	4.95	0.002891	± 2.5	PASS
		VN	TN	-0.57	-0.000333	± 2.5	PASS
		VH	TN	3.26	0.001904	± 2.5	PASS
	MCH	VL	TN	-0.47	-0.000271	± 2.5	PASS
		VN	TN	0.79	0.000456	± 2.5	PASS
		VH	TN	-0.34	-0.000196	± 2.5	PASS
	HCH	VL	TN	1.17	0.000668	± 2.5	PASS
		VN	TN	1.08	0.000616	± 2.5	PASS
		VH	TN	0.88	0.000502	± 2.5	PASS
16QAM	LCH	VL	TN	1.5	0.000876	± 2.5	PASS
		VN	TN	3.48	0.002032	± 2.5	PASS
		VH	TN	0.97	0.000566	± 2.5	PASS
	MCH	VL	TN	3.04	0.001755	± 2.5	PASS
		VN	TN	0.4	0.000231	± 2.5	PASS
		VH	TN	2.49	0.001437	± 2.5	PASS
	HCH	VL	TN	4.82	0.002750	± 2.5	PASS
		VN	TN	1.86	0.001061	± 2.5	PASS
		VH	TN	-0.7	-0.000399	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.62	-0.000946	± 2.5	PASS
		VN	-20	4.6	0.002686	± 2.5	PASS
		VN	-10	2.73	0.001594	± 2.5	PASS
		VN	0	2.76	0.001612	± 2.5	PASS
		VN	10	1.47	0.000858	± 2.5	PASS
		VN	20	1.99	0.001162	± 2.5	PASS
		VN	30	4.07	0.002377	± 2.5	PASS
		VN	40	-0.28	-0.000164	± 2.5	PASS
		VN	50	-0.19	-0.000111	± 2.5	PASS
	MCH	VN	-30	0.07	0.000040	± 2.5	PASS
		VN	-20	2.66	0.001535	± 2.5	PASS
		VN	-10	2.63	0.001518	± 2.5	PASS
		VN	0	-1.02	-0.000589	± 2.5	PASS

		VN	10	4.52	0.002609	± 2.5	PASS
		VN	20	0.98	0.000566	± 2.5	PASS
		VN	30	4.58	0.002644	± 2.5	PASS
		VN	40	-1.83	-0.001056	± 2.5	PASS
		VN	50	4.87	0.002811	± 2.5	PASS
	HCH	VN	-30	-0.81	-0.000462	± 2.5	PASS
		VN	-20	-1.72	-0.000902	± 2.5	PASS
		VN	-10	1.76	0.000923	± 2.5	PASS
		VN	0	2.86	0.001499	± 2.5	PASS
		VN	10	-1.25	-0.000655	± 2.5	PASS
		VN	20	0.91	0.000477	± 2.5	PASS
		VN	30	4.9	0.002569	± 2.5	PASS
		VN	40	0.5	0.000262	± 2.5	PASS
		VN	50	-1.08	-0.000566	± 2.5	PASS
		16QAM	LCH	VN	-30	0.56	0.000323
VN	-20			-0.42	-0.000242	± 2.5	PASS
VN	-10			2.07	0.001195	± 2.5	PASS
VN	0			4.91	0.002834	± 2.5	PASS
VN	10			0	0.000000	± 2.5	PASS
VN	20			1.35	0.000779	± 2.5	PASS
VN	30			-1.29	-0.000745	± 2.5	PASS
VN	40			-0.2	-0.000115	± 2.5	PASS
VN	50			1.24	0.000716	± 2.5	PASS
MCH	VN		-30	3.18	0.001815	± 2.5	PASS
	VN		-20	4.61	0.002631	± 2.5	PASS
	VN		-10	4.67	0.002665	± 2.5	PASS
	VN		0	2.99	0.001706	± 2.5	PASS
	VN		10	-0.64	-0.000365	± 2.5	PASS
	VN		20	3.08	0.001757	± 2.5	PASS
	VN		30	-1.7	-0.000970	± 2.5	PASS
	VN		40	1.88	0.001073	± 2.5	PASS
	VN		50	-0.52	-0.000297	± 2.5	PASS
HCH	VN		-30	3.86	0.002024	± 2.5	PASS
	VN		-20	-1.37	-0.000718	± 2.5	PASS
	VN		-10	-1.36	-0.000713	± 2.5	PASS
	VN		0	0.85	0.000446	± 2.5	PASS
	VN		10	1.31	0.000687	± 2.5	PASS
	VN		20	0.19	0.000100	± 2.5	PASS
	VN		30	3.79	0.001987	± 2.5	PASS
	VN		40	-1.19	-0.000624	± 2.5	PASS
	VN		50	2.88	0.001510	± 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	-0.71	-0.000414	± 2.5	PASS
		VN	TN	4.35	0.002536	± 2.5	PASS
		VH	TN	2.21	0.001289	± 2.5	PASS
	MCH	VL	TN	2.41	0.001391	± 2.5	PASS
		VN	TN	2.81	0.001622	± 2.5	PASS
		VH	TN	2.7	0.001558	± 2.5	PASS
	HCH	VL	TN	1.91	0.001091	± 2.5	PASS
		VN	TN	-1.99	-0.001137	± 2.5	PASS
		VH	TN	0.44	0.000251	± 2.5	PASS
16QAM	LCH	VL	TN	-0.58	-0.000338	± 2.5	PASS
		VN	TN	0.11	0.000064	± 2.5	PASS
		VH	TN	0.67	0.000391	± 2.5	PASS
	MCH	VL	TN	-1.15	-0.000664	± 2.5	PASS
		VN	TN	1.65	0.000952	± 2.5	PASS
		VH	TN	1.58	0.000912	± 2.5	PASS
	HCH	VL	TN	-1.93	-0.001103	± 2.5	PASS
		VN	TN	4.77	0.002726	± 2.5	PASS
		VH	TN	-0.57	-0.000326	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	0.16	0.000093	± 2.5	PASS
		VN	-20	3.37	0.001965	± 2.5	PASS
		VN	-10	-0.71	-0.000414	± 2.5	PASS
		VN	0	1.6	0.000933	± 2.5	PASS
		VN	10	0.82	0.000478	± 2.5	PASS
		VN	20	0.63	0.000367	± 2.5	PASS
		VN	30	-0.42	-0.000245	± 2.5	PASS
		VN	40	0	0.000000	± 2.5	PASS
		VN	50	-0.99	-0.000577	± 2.5	PASS
	MCH	VN	-30	1.3	0.000750	± 2.5	PASS
		VN	-20	3.14	0.001812	± 2.5	PASS
		VN	-10	3.54	0.002043	± 2.5	PASS
		VN	0	3.3	0.001905	± 2.5	PASS
		VN	10	4.93	0.002846	± 2.5	PASS
		VN	20	0.94	0.000543	± 2.5	PASS

		VN	30	2.89	0.001668	± 2.5	PASS
		VN	40	-1.53	-0.000883	± 2.5	PASS
		VN	50	2.54	0.001466	± 2.5	PASS
	HCH	VN	-30	2.46	0.001406	± 2.5	PASS
		VN	-20	0.7	0.000400	± 2.5	PASS
		VN	-10	-0.58	-0.000331	± 2.5	PASS
		VN	0	4.52	0.002583	± 2.5	PASS
		VN	10	0.85	0.000486	± 2.5	PASS
		VN	20	-0.34	-0.000194	± 2.5	PASS
		VN	30	-0.26	-0.000149	± 2.5	PASS
		VN	40	2.43	0.001389	± 2.5	PASS
		VN	50	-1.95	-0.001114	± 2.5	PASS
QPSK	LCH	VN	-30	2.25	0.001299	± 2.5	PASS
		VN	-20	1.8	0.001039	± 2.5	PASS
		VN	-10	0.25	0.000144	± 2.5	PASS
		VN	0	0.28	0.000162	± 2.5	PASS
		VN	10	1.22	0.000704	± 2.5	PASS
		VN	20	0.53	0.000306	± 2.5	PASS
		VN	30	-1.22	-0.000704	± 2.5	PASS
		VN	40	3.11	0.001795	± 2.5	PASS
		VN	50	4.38	0.002528	± 2.5	PASS
	MCH	VN	-30	-0.47	-0.000269	± 2.5	PASS
		VN	-20	4.49	0.002566	± 2.5	PASS
		VN	-10	1.82	0.001040	± 2.5	PASS
		VN	0	0.94	0.000537	± 2.5	PASS
		VN	10	2.65	0.001514	± 2.5	PASS
		VN	20	-1.74	-0.000994	± 2.5	PASS
		VN	30	2.79	0.001594	± 2.5	PASS
		VN	40	-1.22	-0.000697	± 2.5	PASS
		VN	50	4.96	0.002834	± 2.5	PASS
	HCH	VN	-30	0.66	0.000377	± 2.5	PASS
		VN	-20	1.36	0.000777	± 2.5	PASS
		VN	-10	3.49	0.001994	± 2.5	PASS
		VN	0	-1.2	-0.000686	± 2.5	PASS
		VN	10	2.85	0.001629	± 2.5	PASS
		VN	20	-0.82	-0.000469	± 2.5	PASS
		VN	30	0.21	0.000120	± 2.5	PASS
		VN	40	-1.96	-0.001120	± 2.5	PASS
		VN	50	3.36	0.001920	± 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	0.4	0.000233	± 2.5	PASS
		VN	TN	1.71	0.000996	± 2.5	PASS
		VH	TN	4.32	0.002515	± 2.5	PASS
	MCH	VL	TN	0.31	0.000179	± 2.5	PASS
		VN	TN	-1.58	-0.000912	± 2.5	PASS
		VH	TN	-0.79	-0.000456	± 2.5	PASS
	HCH	VL	TN	-0.26	-0.000149	± 2.5	PASS
		VN	TN	-0.16	-0.000092	± 2.5	PASS
		VH	TN	-0.13	-0.000074	± 2.5	PASS
16QAM	LCH	VL	TN	4.86	0.002830	± 2.5	PASS
		VN	TN	0.91	0.000530	± 2.5	PASS
		VH	TN	-0.28	-0.000163	± 2.5	PASS
	MCH	VL	TN	4.26	0.002459	± 2.5	PASS
		VN	TN	3.35	0.001934	± 2.5	PASS
		VH	TN	2.8	0.001616	± 2.5	PASS
	HCH	VL	TN	-1.12	-0.000641	± 2.5	PASS
		VN	TN	-1.85	-0.001059	± 2.5	PASS
		VH	TN	-1.86	-0.001064	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.44	0.002003	± 2.5	PASS
		VN	-20	-0.72	-0.000419	± 2.5	PASS
		VN	-10	-0.78	-0.000454	± 2.5	PASS
		VN	0	4.39	0.002556	± 2.5	PASS
		VN	10	1.8	0.001048	± 2.5	PASS
		VN	20	0.51	0.000297	± 2.5	PASS
		VN	30	0.74	0.000431	± 2.5	PASS
		VN	40	-1.28	-0.000745	± 2.5	PASS
		VN	50	4.14	0.002410	± 2.5	PASS
	MCH	VN	-30	3.53	0.002038	± 2.5	PASS
		VN	-20	-1.05	-0.000606	± 2.5	PASS
		VN	-10	4.78	0.002759	± 2.5	PASS
		VN	0	1.76	0.001016	± 2.5	PASS
		VN	10	0.99	0.000571	± 2.5	PASS
		VN	20	2.2	0.001270	± 2.5	PASS

		VN	30	4.3	0.002482	± 2.5	PASS
		VN	40	-0.76	-0.000439	± 2.5	PASS
		VN	50	1.28	0.000739	± 2.5	PASS
	HCH	VN	-30	-1.45	-0.000830	± 2.5	PASS
		VN	-20	4.9	0.002804	± 2.5	PASS
		VN	-10	-1.92	-0.001099	± 2.5	PASS
		VN	0	-1.42	-0.000813	± 2.5	PASS
		VN	10	-0.59	-0.000338	± 2.5	PASS
		VN	20	-1.46	-0.000835	± 2.5	PASS
		VN	30	-0.92	-0.000526	± 2.5	PASS
		VN	40	1.78	0.001019	± 2.5	PASS
		VN	50	-0.48	-0.000275	± 2.5	PASS
		16QAM	LCH	VN	-30	0.64	0.000369
VN	-20			2.15	0.001241	± 2.5	PASS
VN	-10			3.13	0.001807	± 2.5	PASS
VN	0			0.35	0.000202	± 2.5	PASS
VN	10			3.15	0.001818	± 2.5	PASS
VN	20			4.28	0.002470	± 2.5	PASS
VN	30			1.54	0.000889	± 2.5	PASS
VN	40			3.4	0.001962	± 2.5	PASS
VN	50			2.93	0.001691	± 2.5	PASS
MCH	VN		-30	1.4	0.000801	± 2.5	PASS
	VN		-20	-0.28	-0.000160	± 2.5	PASS
	VN		-10	-0.06	-0.000034	± 2.5	PASS
	VN		0	3.36	0.001923	± 2.5	PASS
	VN		10	-1.33	-0.000761	± 2.5	PASS
	VN		20	3.16	0.001808	± 2.5	PASS
	VN		30	-0.17	-0.000097	± 2.5	PASS
	VN		40	1.2	0.000687	± 2.5	PASS
	VN		50	3.1	0.001774	± 2.5	PASS
HCH	VN		-30	2.62	0.001499	± 2.5	PASS
	VN		-20	0.84	0.000481	± 2.5	PASS
	VN		-10	-0.31	-0.000177	± 2.5	PASS
	VN		0	2.34	0.001339	± 2.5	PASS
	VN		10	-1.88	-0.001076	± 2.5	PASS
	VN		20	0.86	0.000492	± 2.5	PASS
	VN		30	4.65	0.002661	± 2.5	PASS
	VN		40	-0.99	-0.000567	± 2.5	PASS
	VN		50	-0.8	-0.000458	± 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	1.16	0.000674	± 2.5	PASS
		VN	TN	-0.43	-0.000250	± 2.5	PASS
		VH	TN	1.92	0.001116	± 2.5	PASS
	MCH	VL	TN	-0.05	-0.000029	± 2.5	PASS
		VN	TN	-1.51	-0.000872	± 2.5	PASS
		VH	TN	3.2	0.001847	± 2.5	PASS
	HCH	VL	TN	4.89	0.002802	± 2.5	PASS
		VN	TN	-0.28	-0.000160	± 2.5	PASS
		VH	TN	0.23	0.000132	± 2.5	PASS
16QAM	LCH	VL	TN	-1.86	-0.001081	± 2.5	PASS
		VN	TN	-0.76	-0.000442	± 2.5	PASS
		VH	TN	-1.52	-0.000884	± 2.5	PASS
	MCH	VL	TN	4.91	0.002834	± 2.5	PASS
		VN	TN	-0.55	-0.000317	± 2.5	PASS
		VH	TN	0.48	0.000277	± 2.5	PASS
	HCH	VL	TN	1.18	0.000676	± 2.5	PASS
		VN	TN	1.98	0.001135	± 2.5	PASS
		VH	TN	4.84	0.002774	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.16	0.000674	± 2.5	PASS
		VN	-20	2.14	0.001244	± 2.5	PASS
		VN	-10	2.26	0.001314	± 2.5	PASS
		VN	0	2.28	0.001326	± 2.5	PASS
		VN	10	0.33	0.000192	± 2.5	PASS
		VN	20	3.31	0.001924	± 2.5	PASS
		VN	30	2.22	0.001291	± 2.5	PASS
		VN	40	1.9	0.001105	± 2.5	PASS
		VN	50	1.87	0.001087	± 2.5	PASS
	MCH	VN	-30	-0.68	-0.000392	± 2.5	PASS
		VN	-20	2.64	0.001524	± 2.5	PASS
		VN	-10	4.61	0.002661	± 2.5	PASS
		VN	0	0.78	0.000450	± 2.5	PASS
		VN	10	-1.9	-0.001097	± 2.5	PASS
		VN	20	2.72	0.001570	± 2.5	PASS

		VN	30	3.94	0.002274	± 2.5	PASS
		VN	40	-0.08	-0.000046	± 2.5	PASS
		VN	50	2.03	0.001172	± 2.5	PASS
	HCH	VN	-30	2.76	0.001582	± 2.5	PASS
		VN	-20	1.56	0.000894	± 2.5	PASS
		VN	-10	4.39	0.002516	± 2.5	PASS
		VN	0	4.52	0.002590	± 2.5	PASS
		VN	10	3.33	0.001908	± 2.5	PASS
		VN	20	2.42	0.001387	± 2.5	PASS
		VN	30	3.73	0.002138	± 2.5	PASS
		VN	40	-1.84	-0.001054	± 2.5	PASS
		VN	50	3.65	0.002092	± 2.5	PASS
16QAM	LCH	VN	-30	2.97	0.001714	± 2.5	PASS
		VN	-20	-0.33	-0.000190	± 2.5	PASS
		VN	-10	-1.45	-0.000837	± 2.5	PASS
		VN	0	-1.17	-0.000675	± 2.5	PASS
		VN	10	4.3	0.002482	± 2.5	PASS
		VN	20	2.86	0.001651	± 2.5	PASS
		VN	30	0.51	0.000294	± 2.5	PASS
		VN	40	-1.58	-0.000912	± 2.5	PASS
	MCH	VN	50	3.91	0.002257	± 2.5	PASS
		VN	-30	2.56	0.001467	± 2.5	PASS
		VN	-20	2.29	0.001312	± 2.5	PASS
		VN	-10	3.58	0.002052	± 2.5	PASS
		VN	0	-0.11	-0.000063	± 2.5	PASS
		VN	10	4.62	0.002648	± 2.5	PASS
		VN	20	4.27	0.002447	± 2.5	PASS
		VN	30	1.49	0.000854	± 2.5	PASS
		VN	40	-0.94	-0.000539	± 2.5	PASS
	HCH	VN	50	2.05	0.001175	± 2.5	PASS
		VN	-30	3.58	0.002052	± 2.5	PASS
		VN	-20	4.07	0.002332	± 2.5	PASS
		VN	-10	0.54	0.000309	± 2.5	PASS
		VN	0	4.92	0.002819	± 2.5	PASS
		VN	10	-0.64	-0.000367	± 2.5	PASS
		VN	20	0.47	0.000269	± 2.5	PASS
VN		30	-1.23	-0.000705	± 2.5	PASS	
VN	40	3.95	0.002264	± 2.5	PASS		
VN	50	4.03	0.002309	± 2.5	PASS		