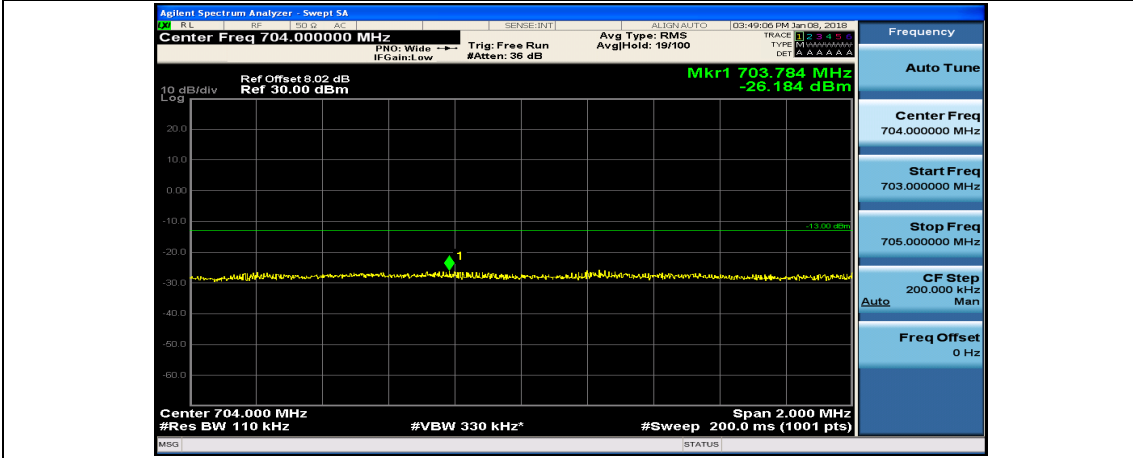
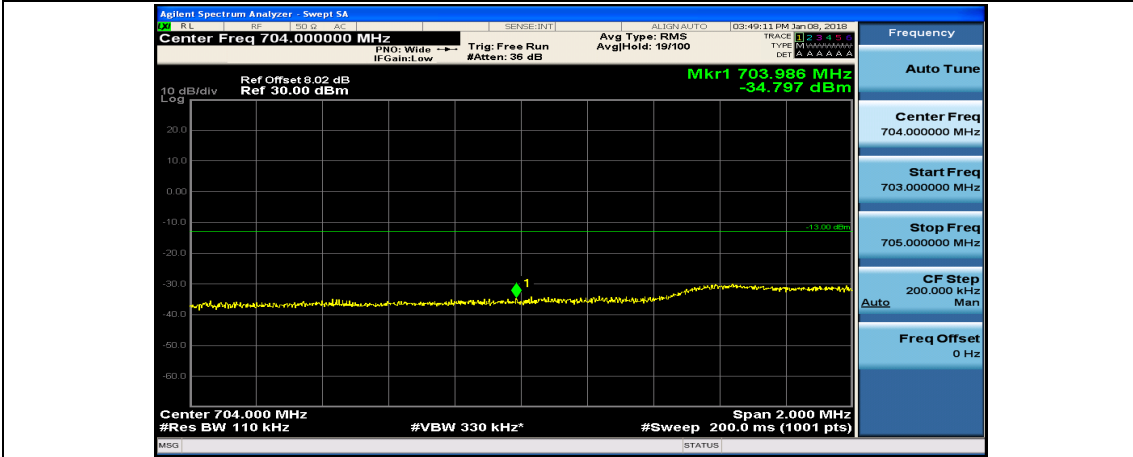


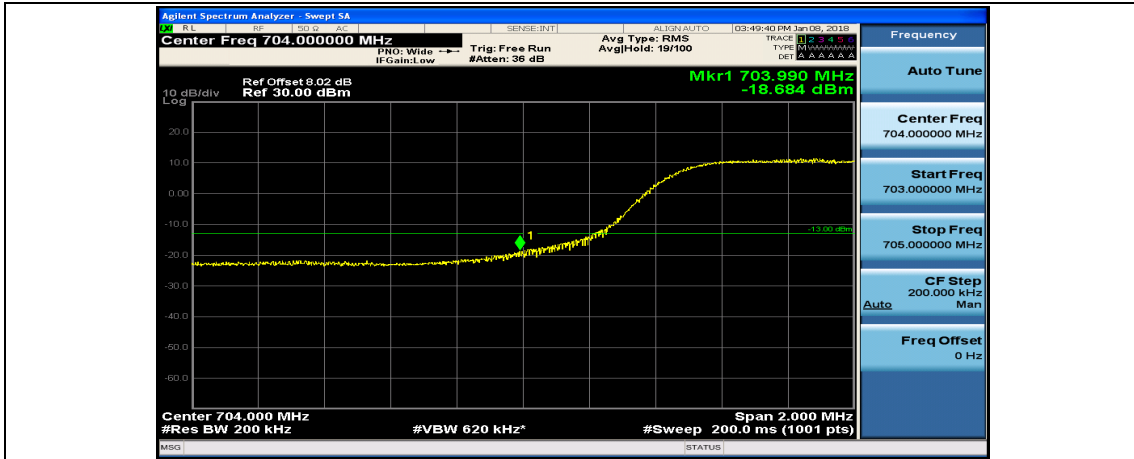
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12



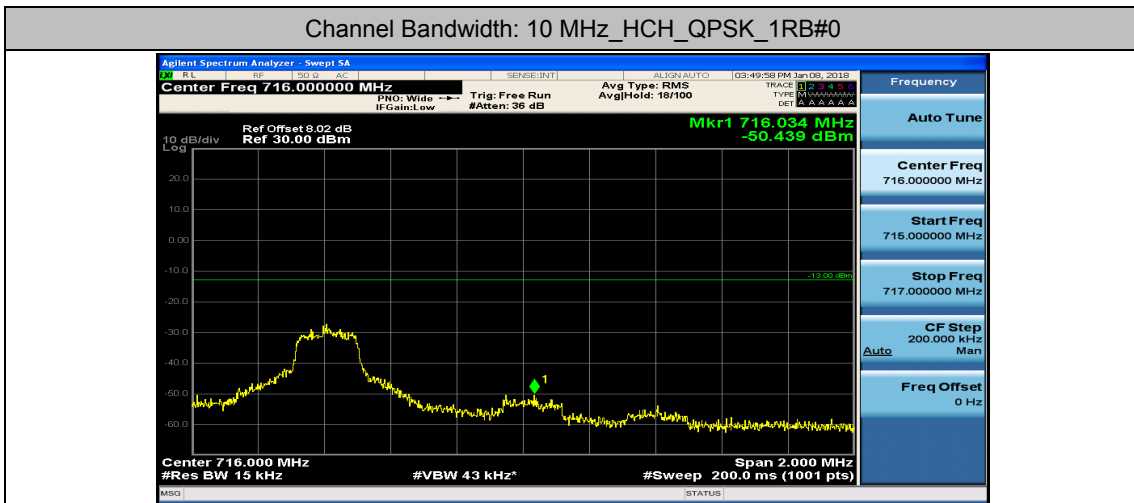
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25



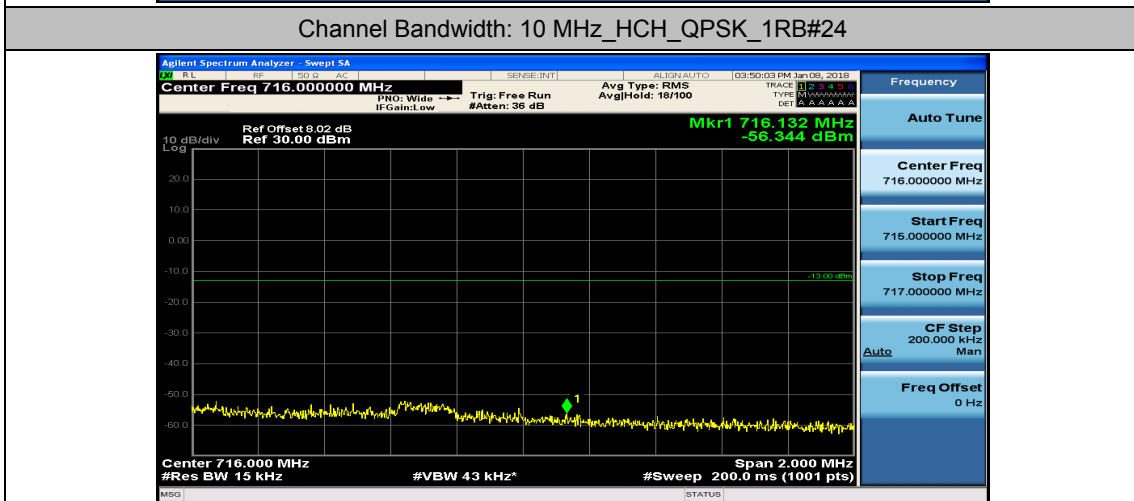
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



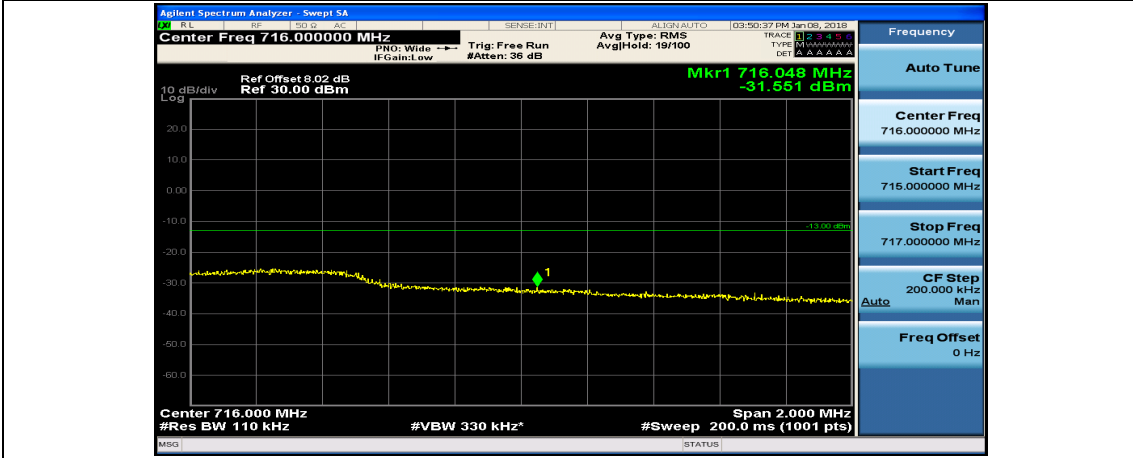
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



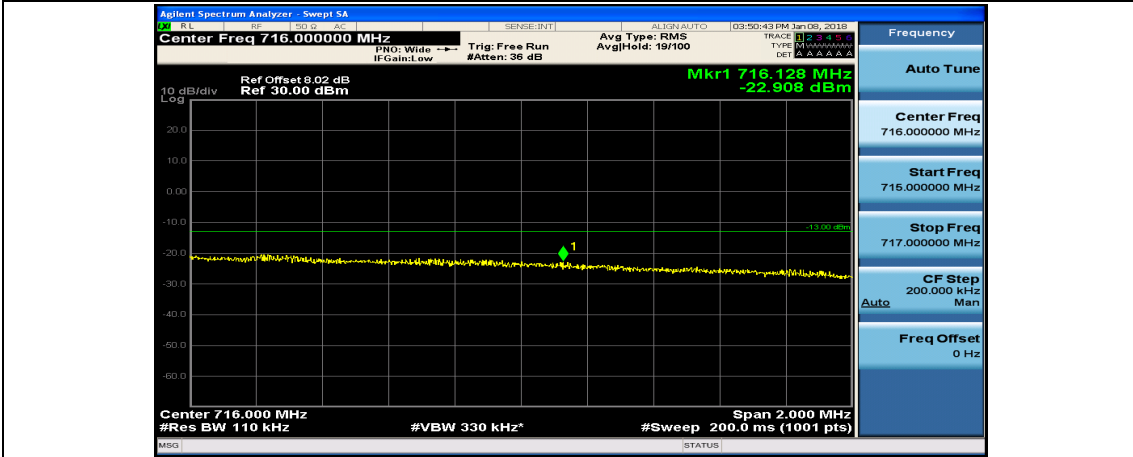
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



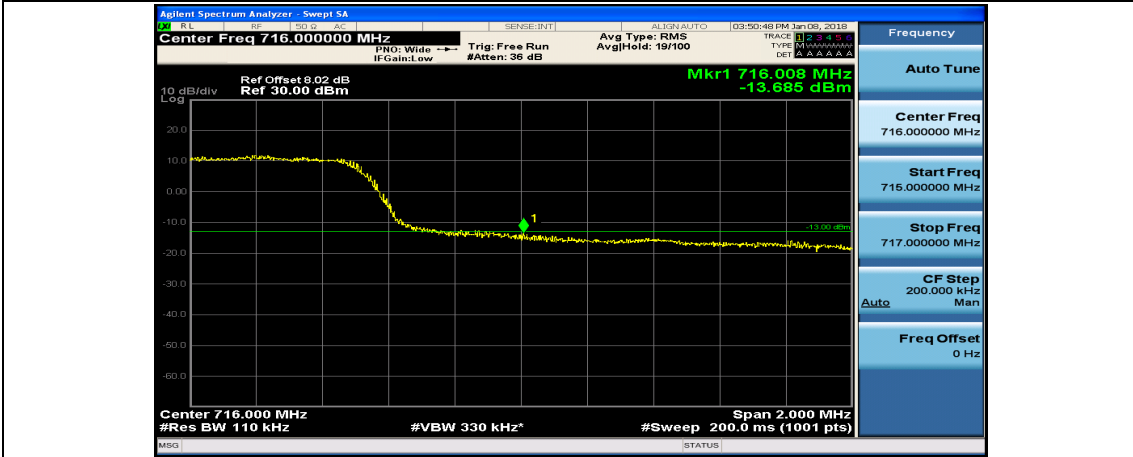
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0



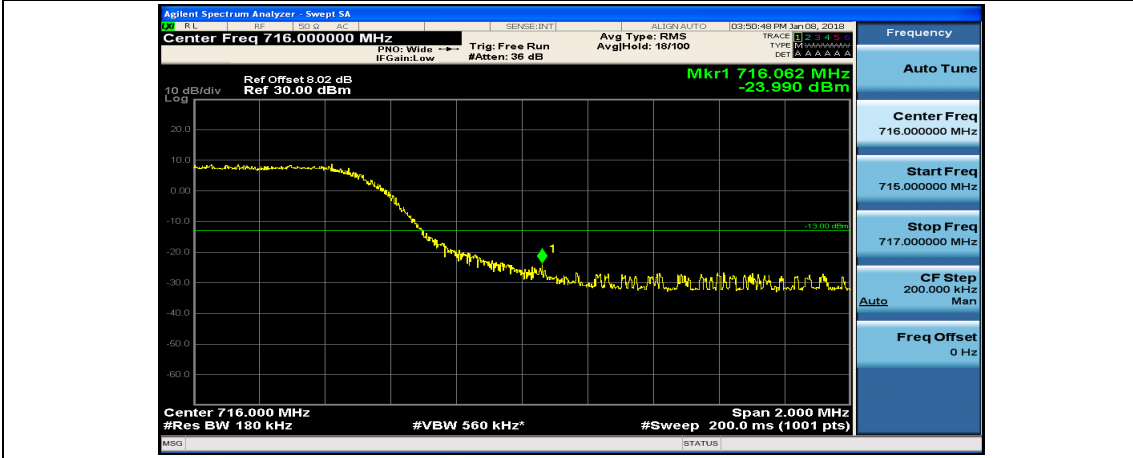
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12



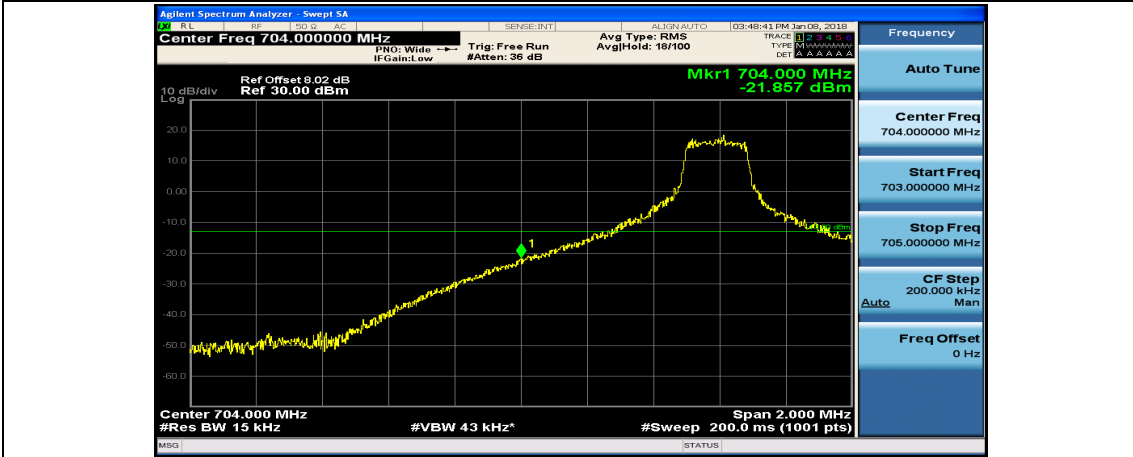
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25



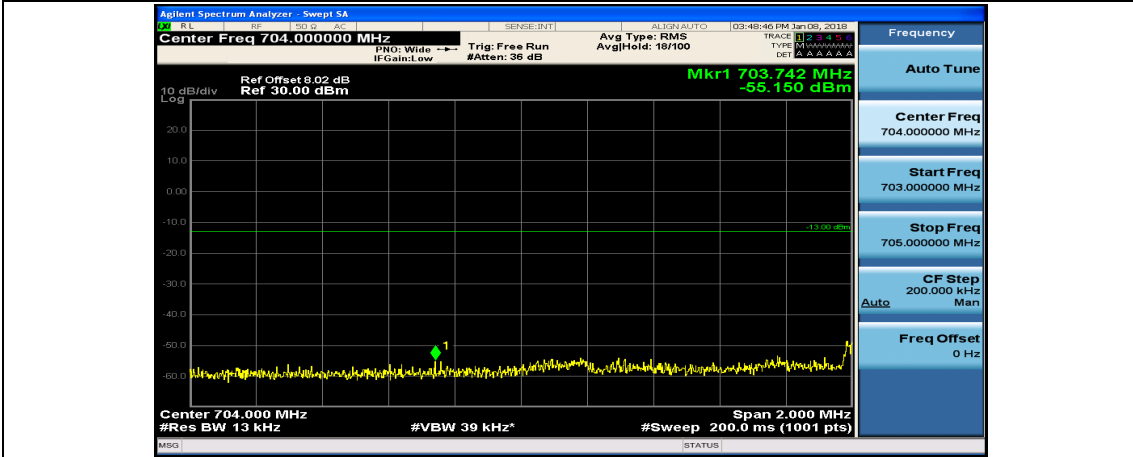
Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



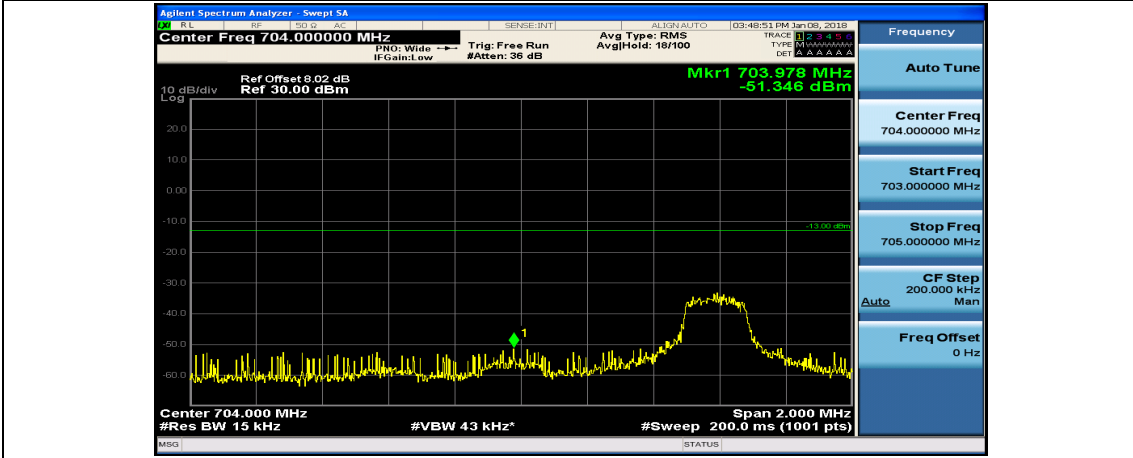
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



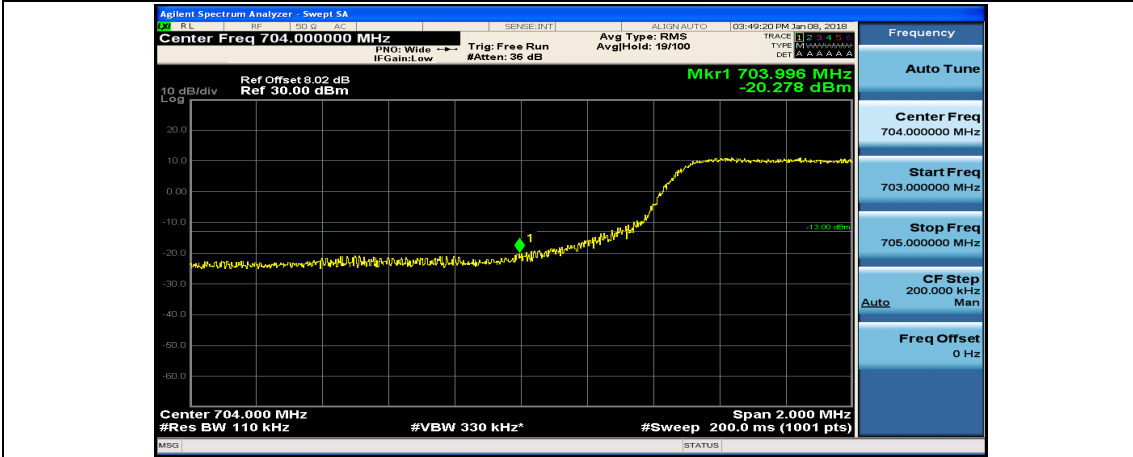
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



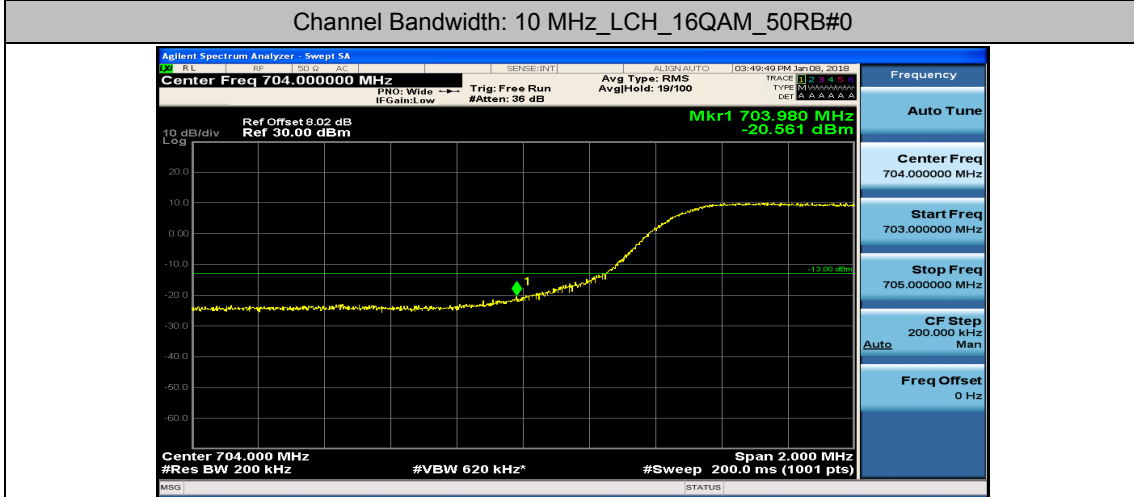
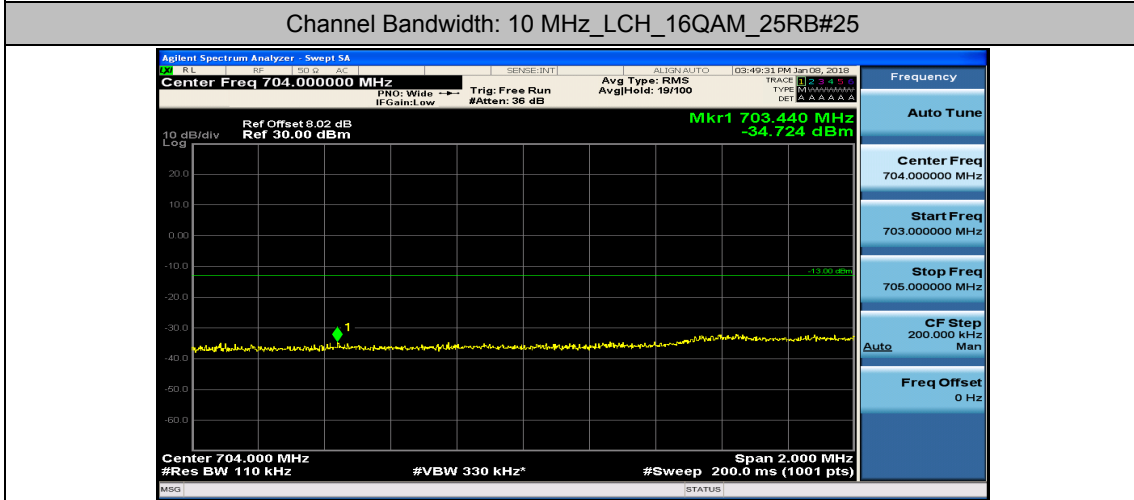
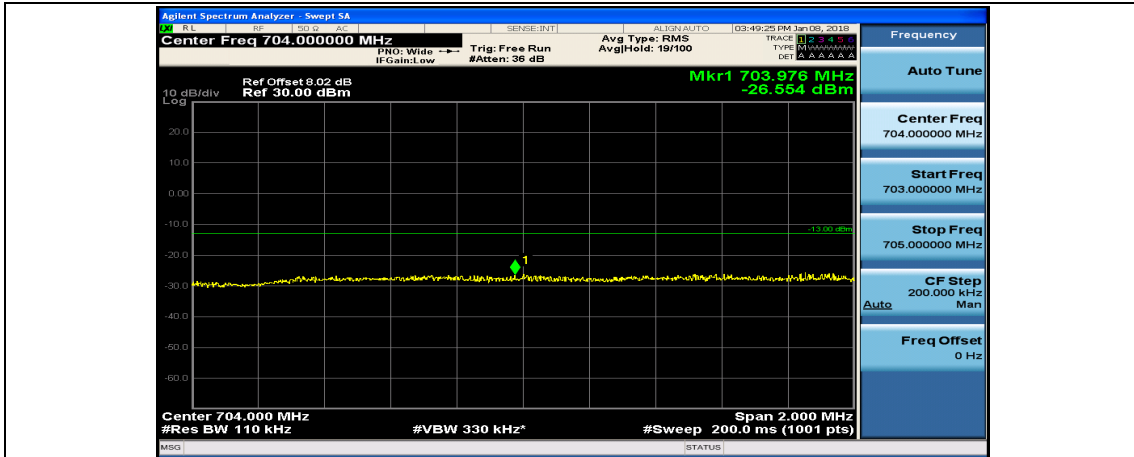
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0



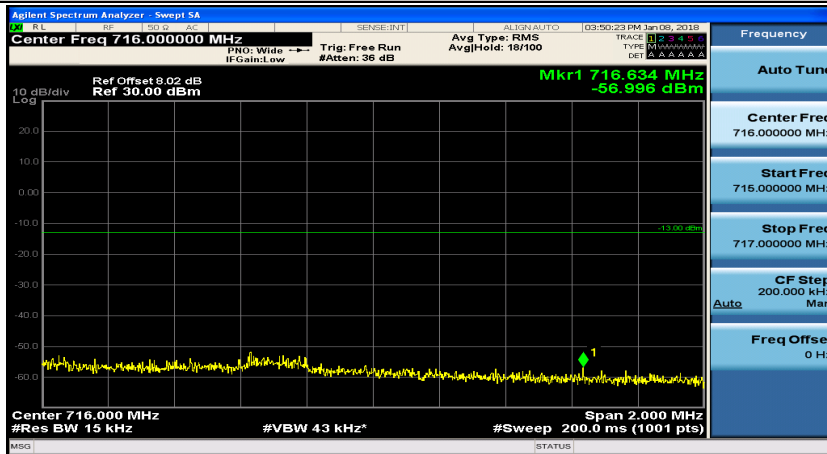
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



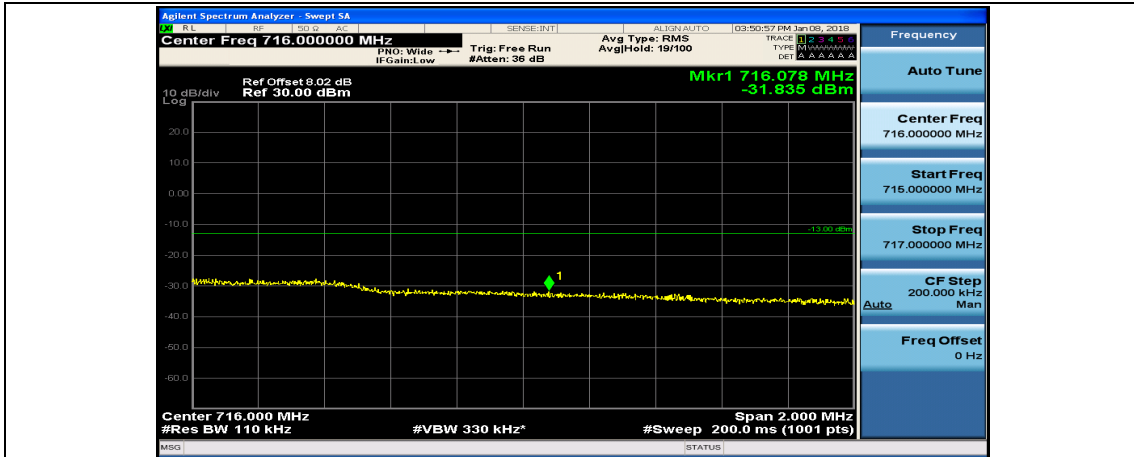
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24



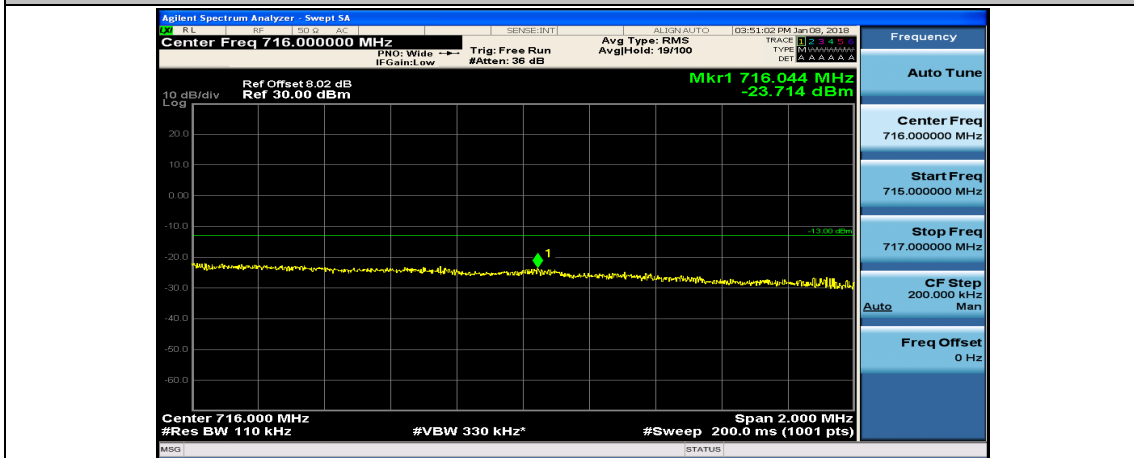
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0



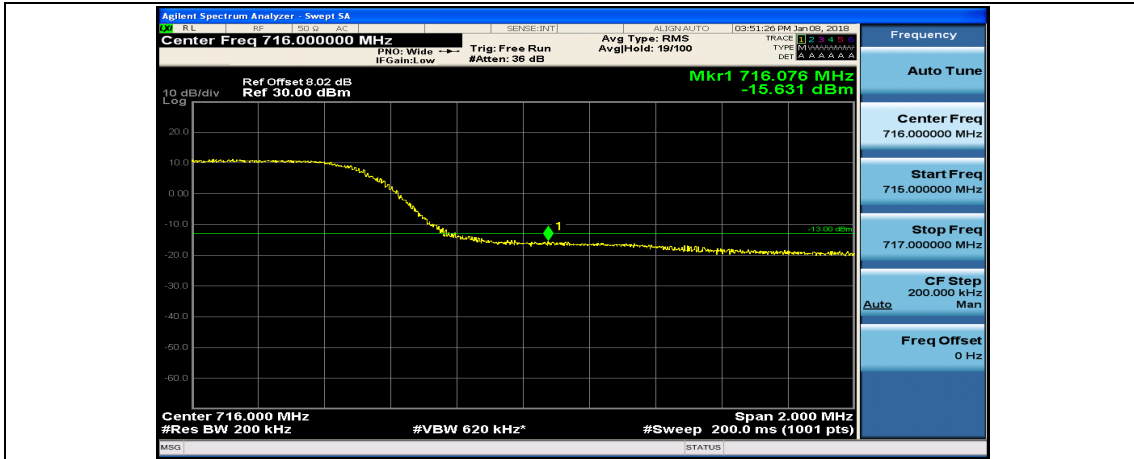
Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#25



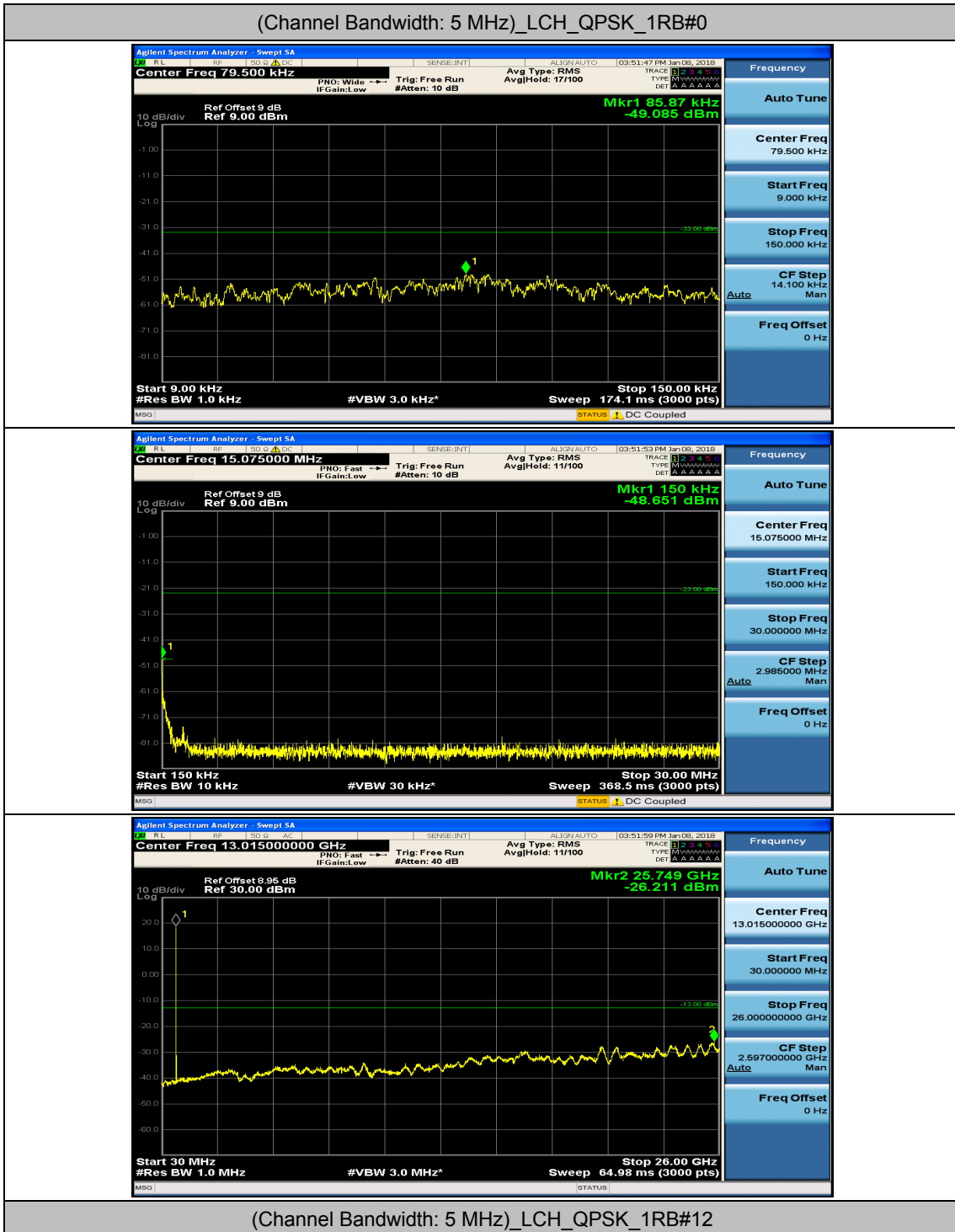
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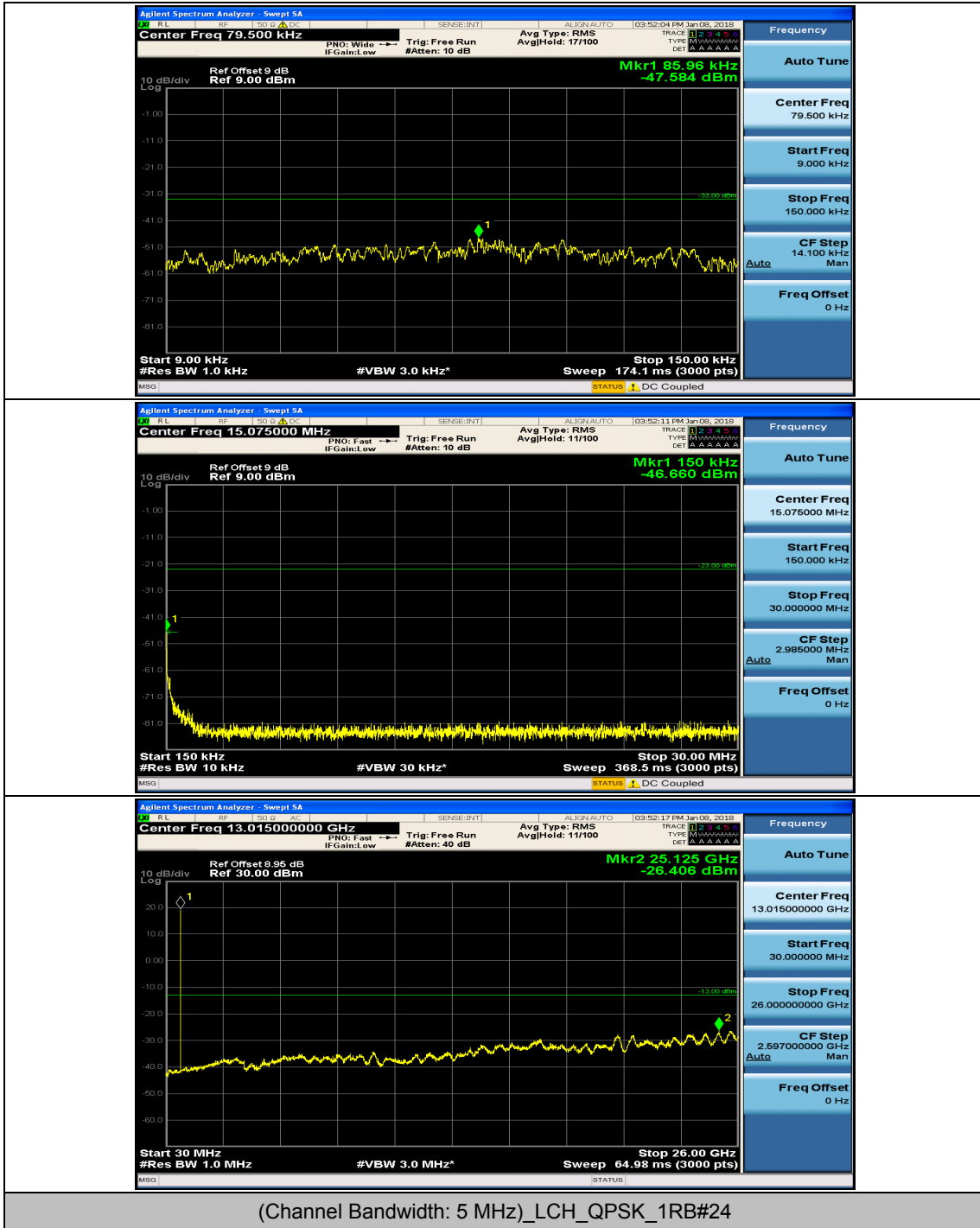


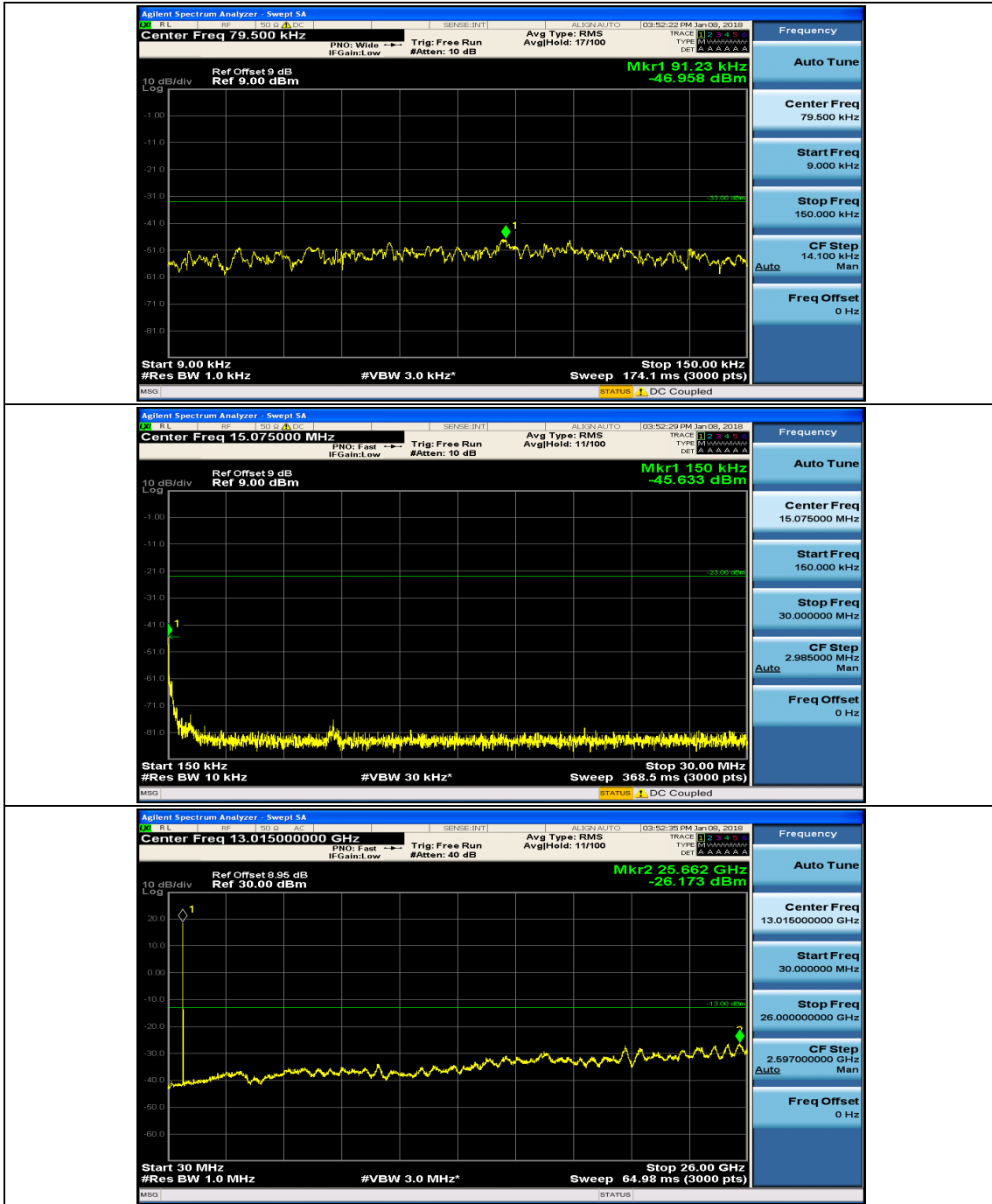
Appendix E: Conducted Spurious Emission

Test Graphs

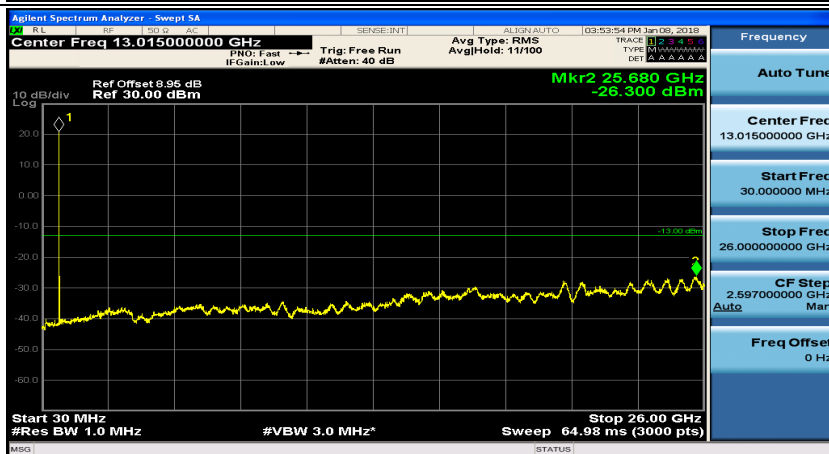
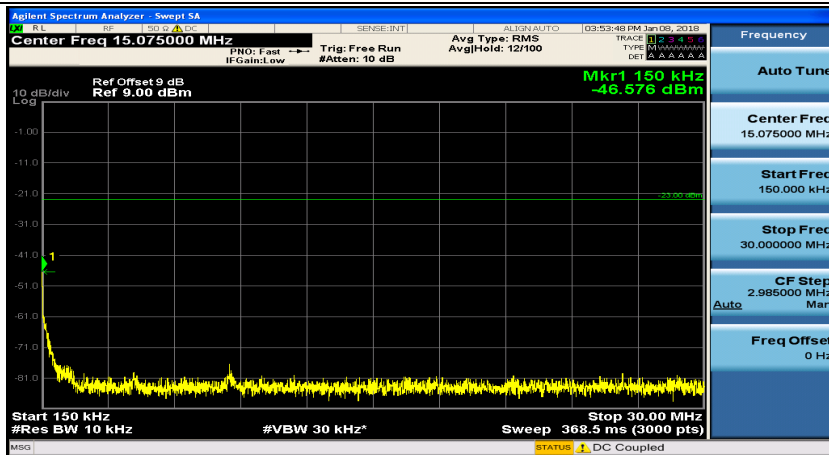
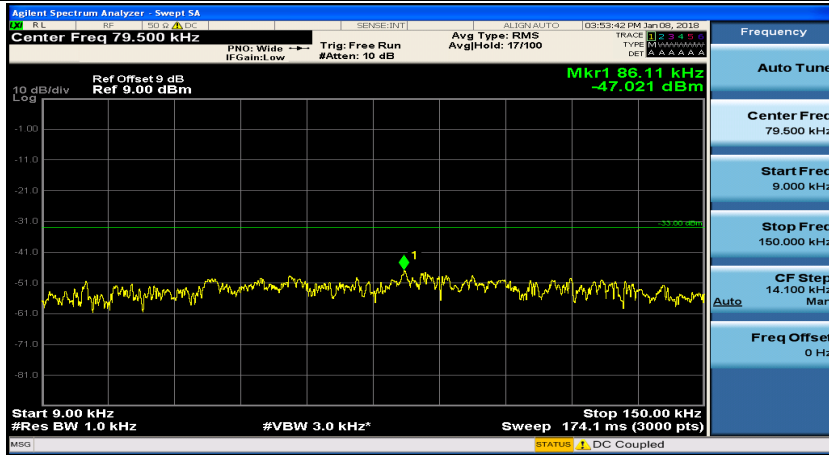
Channel Bandwidth: 5 MHz



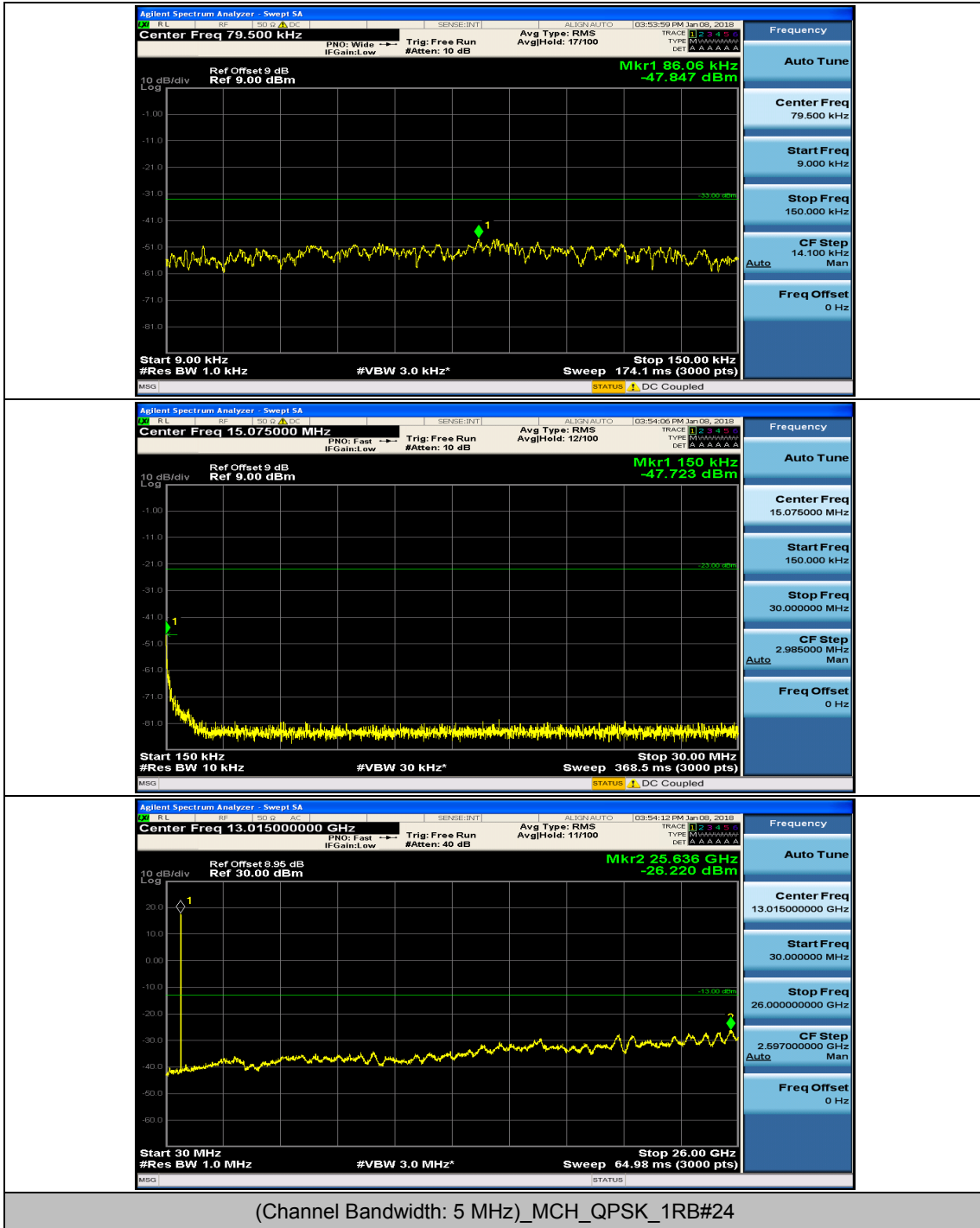


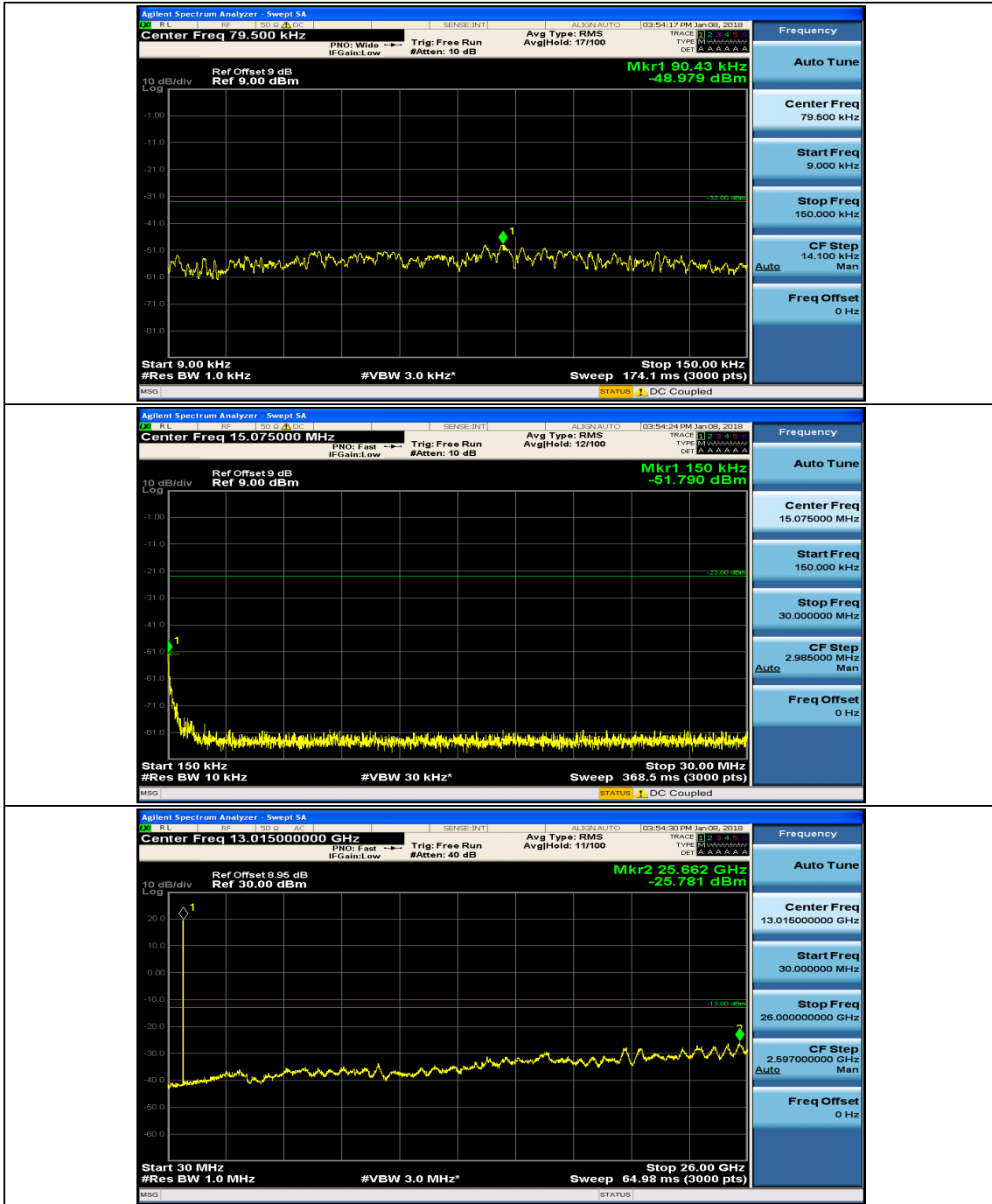


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

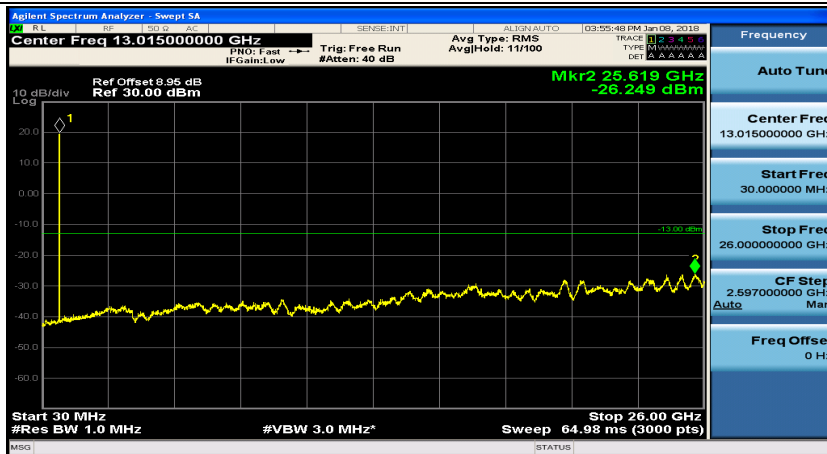
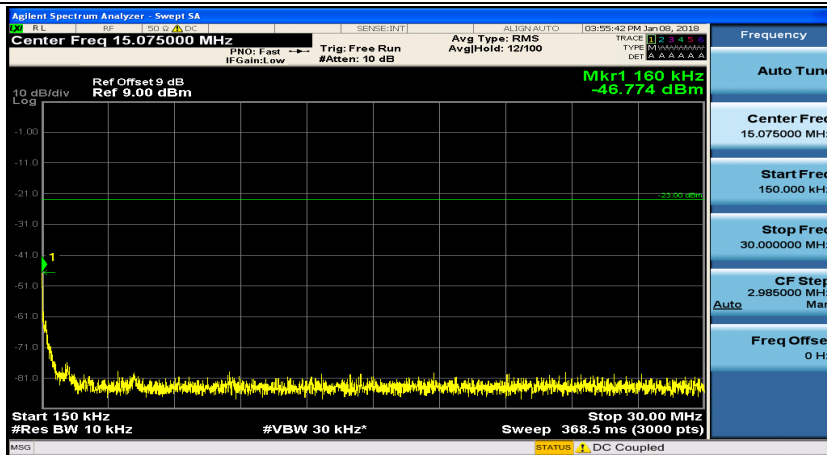
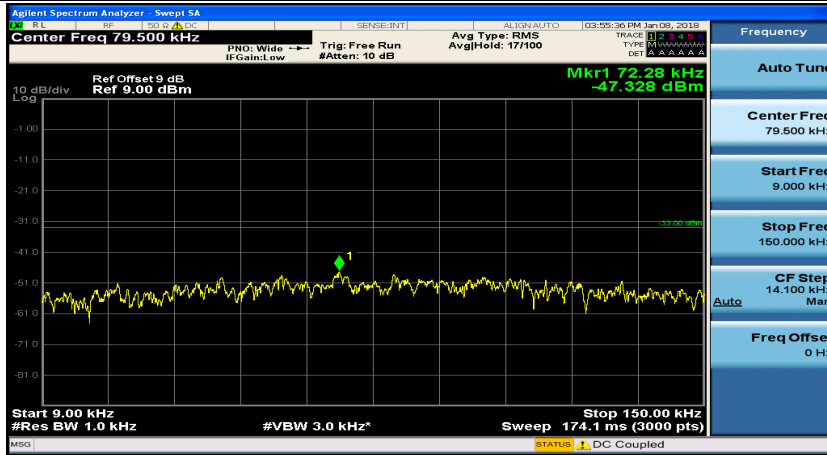


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

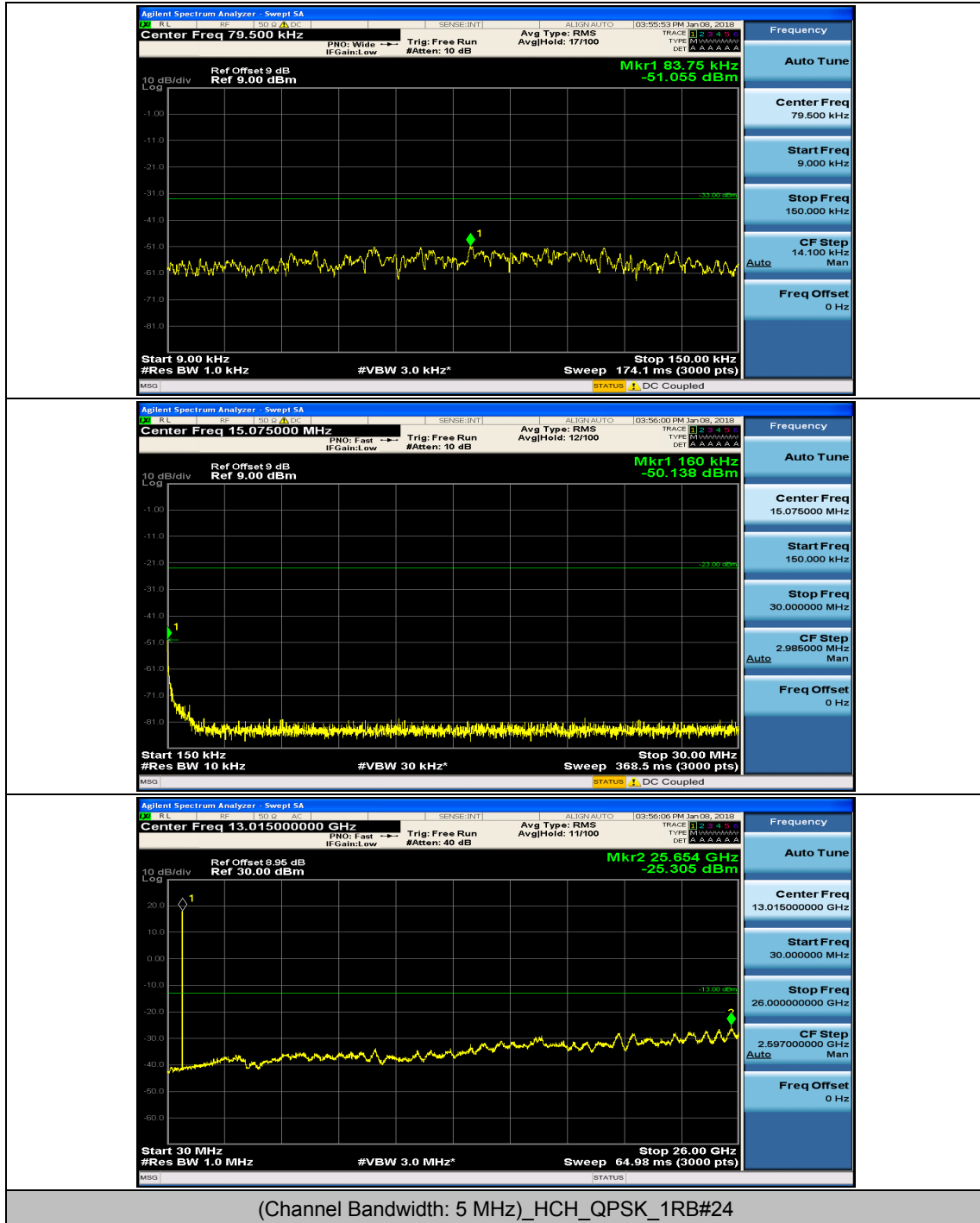


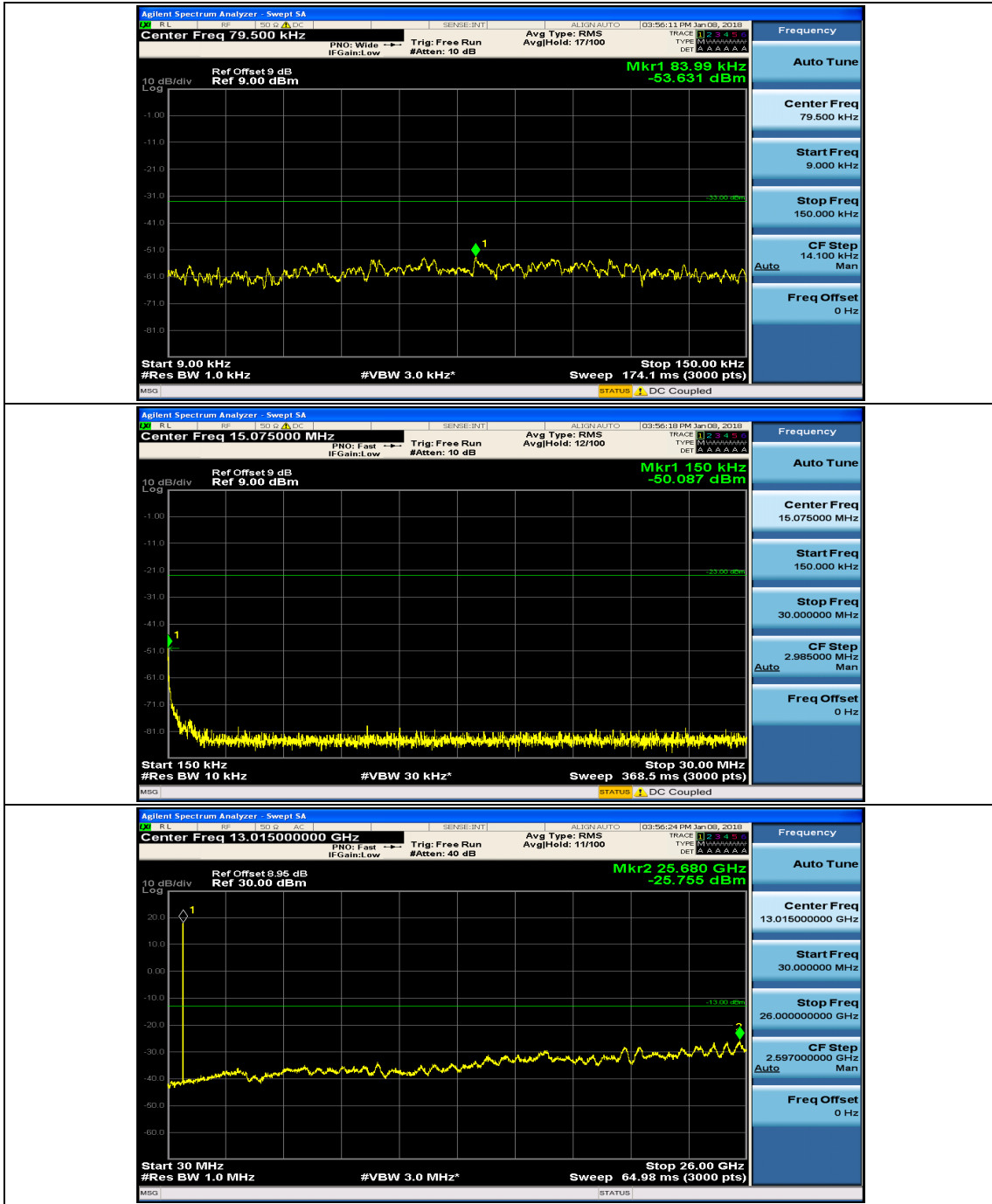


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

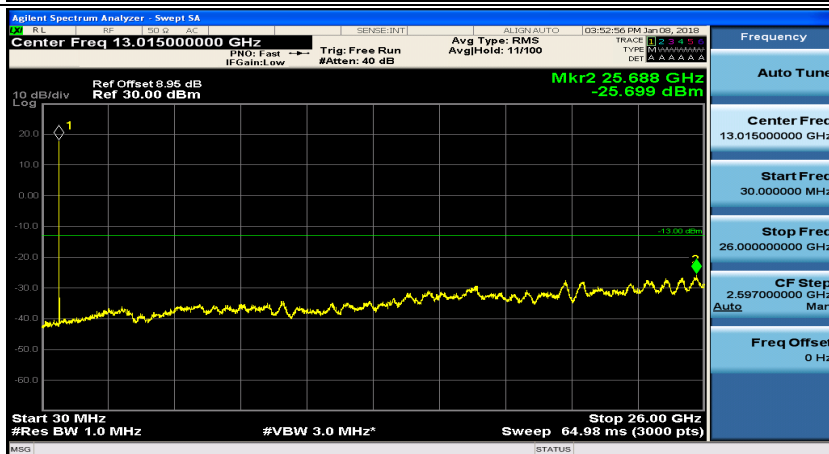
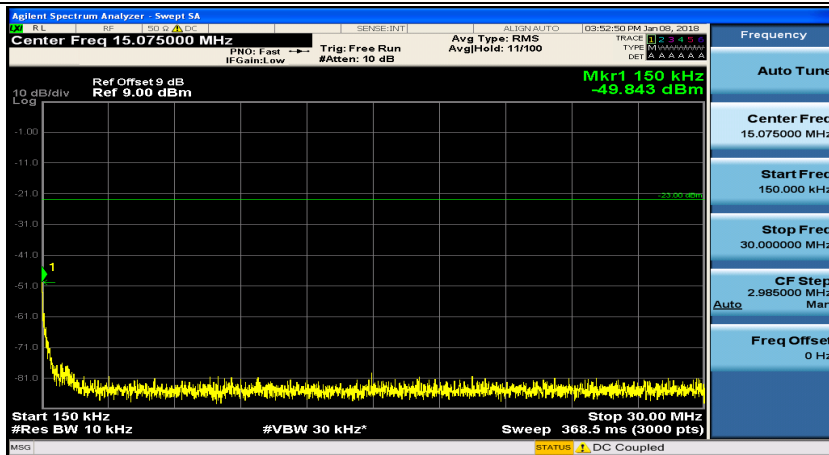
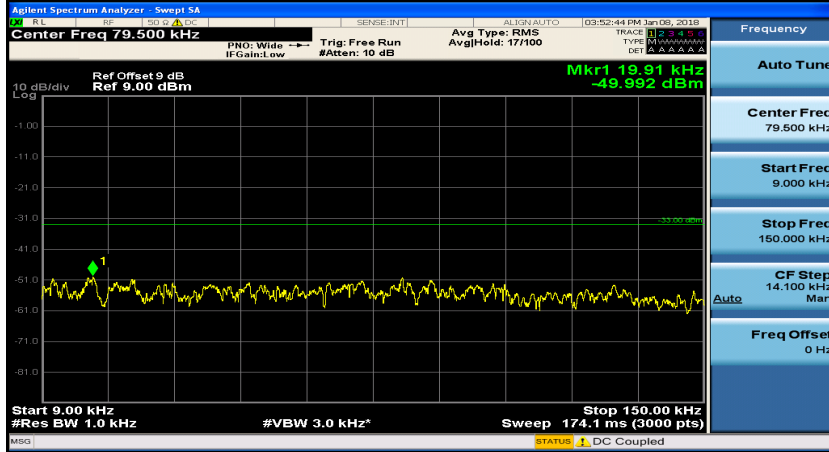


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

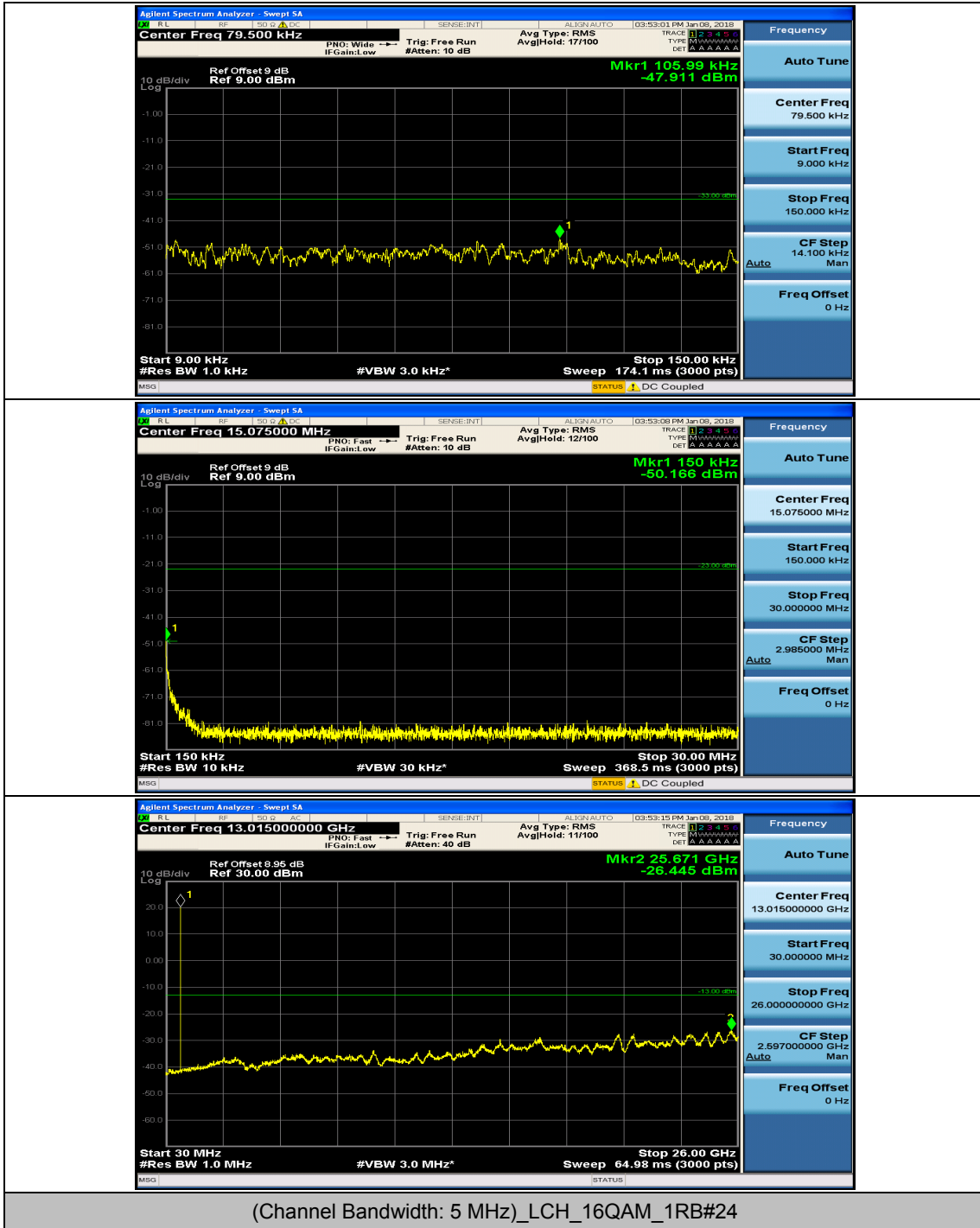


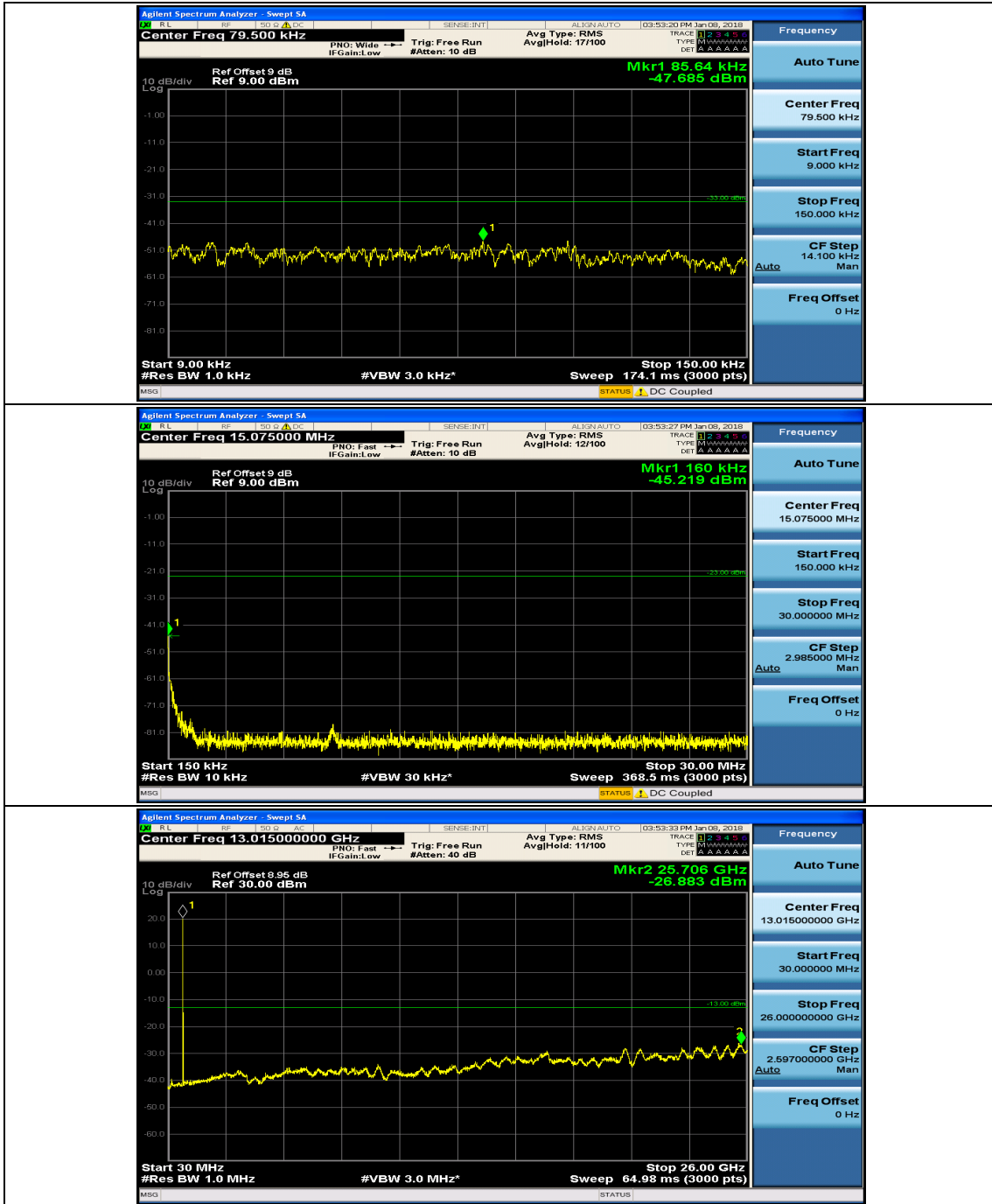


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

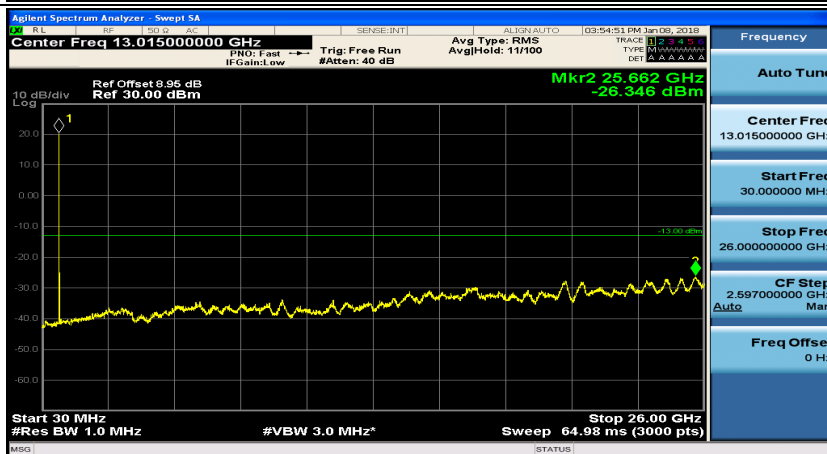
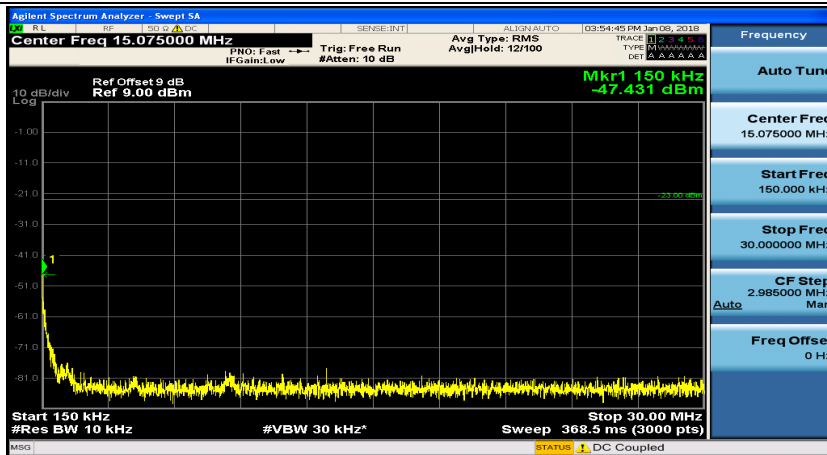
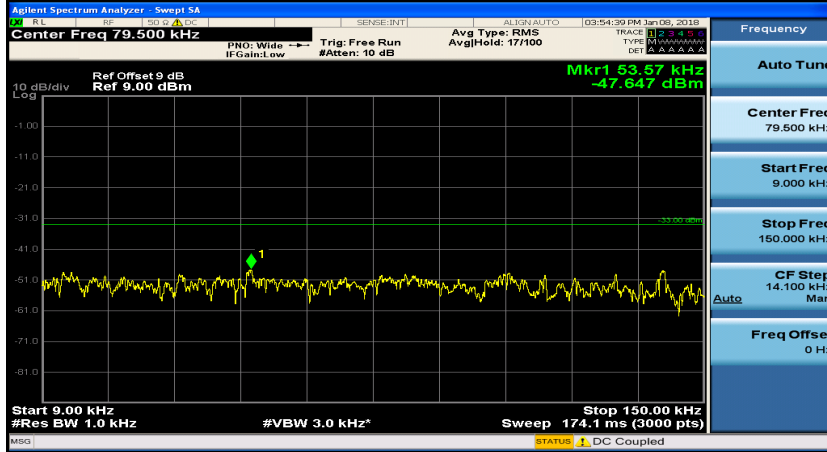


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

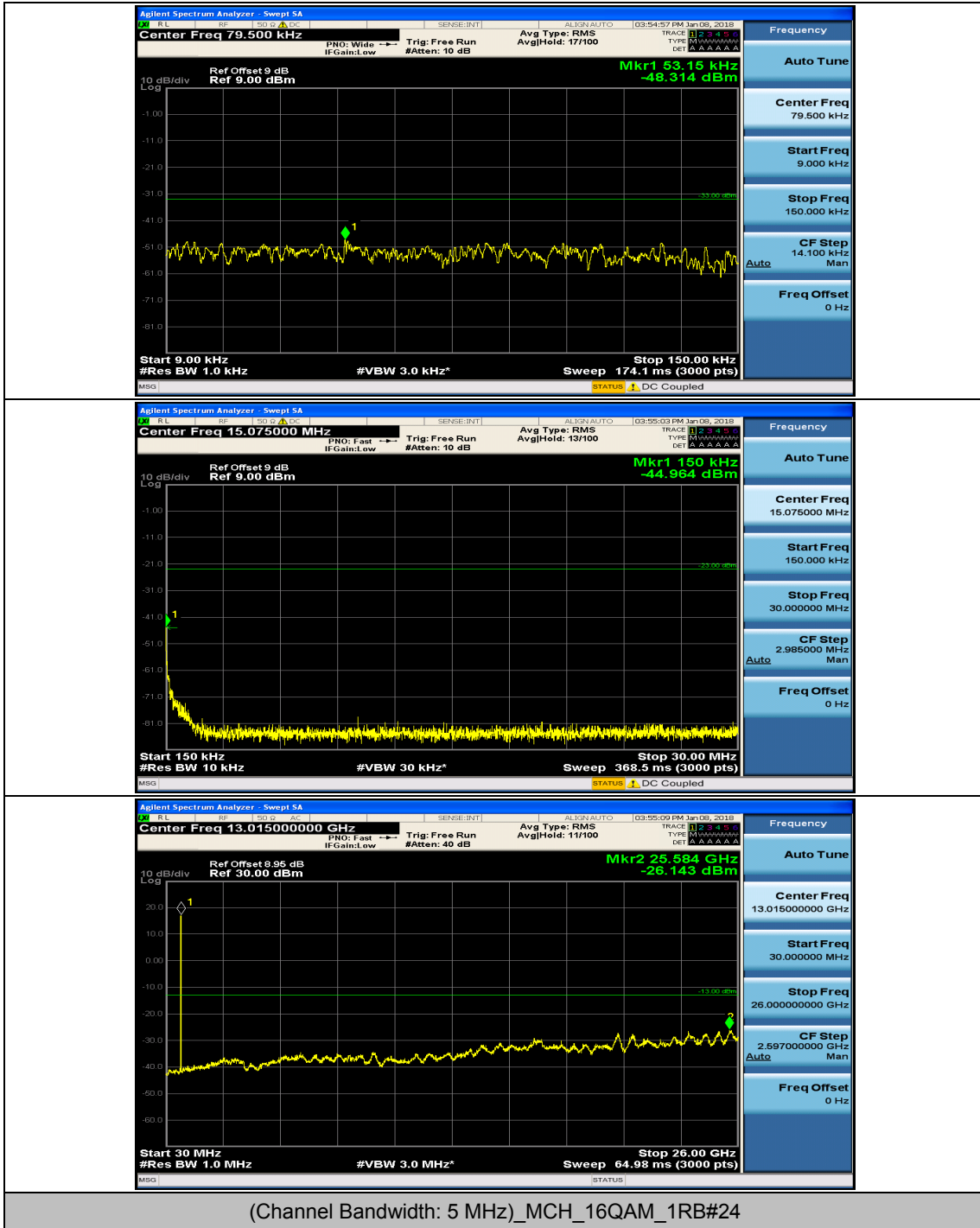


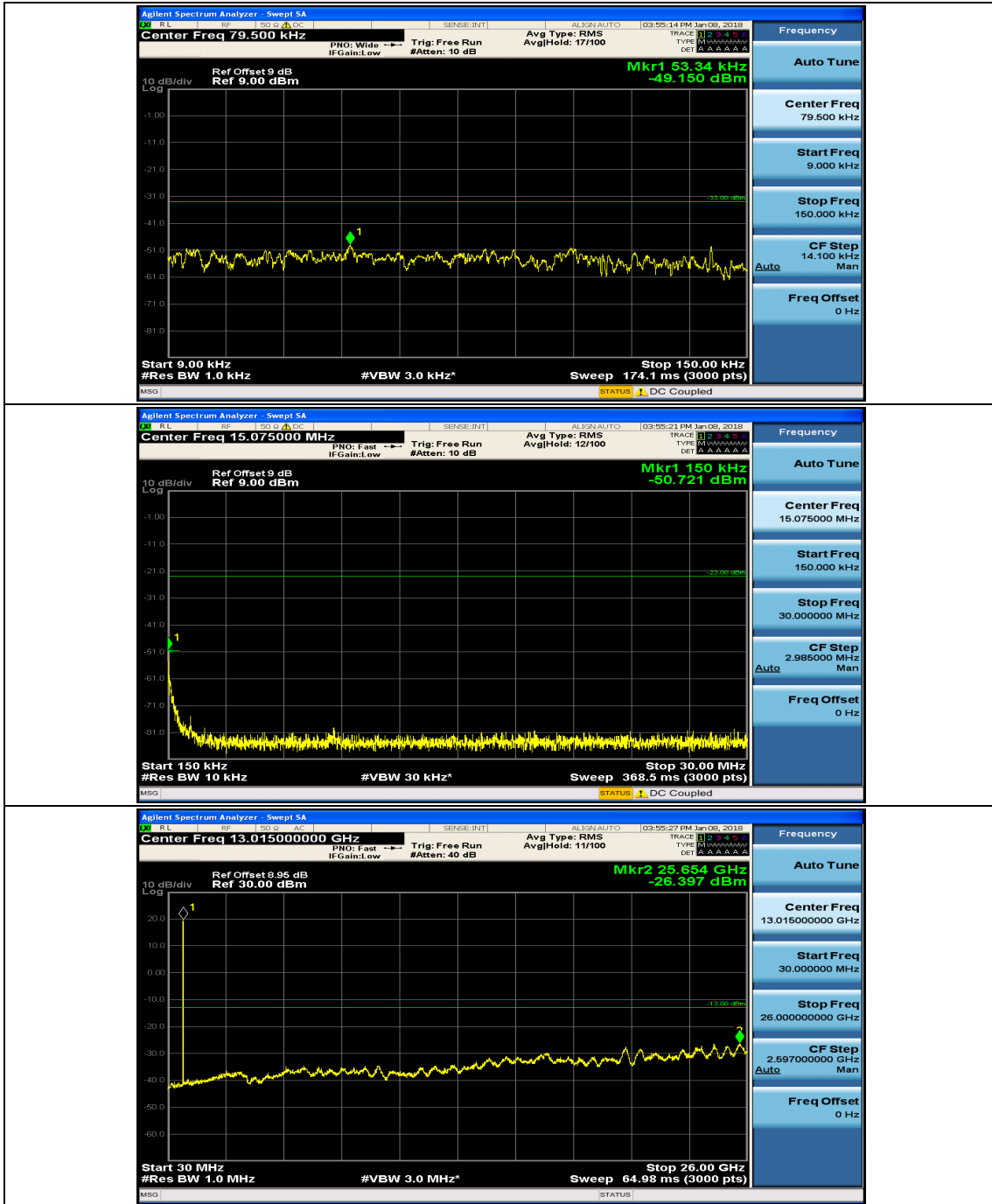


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

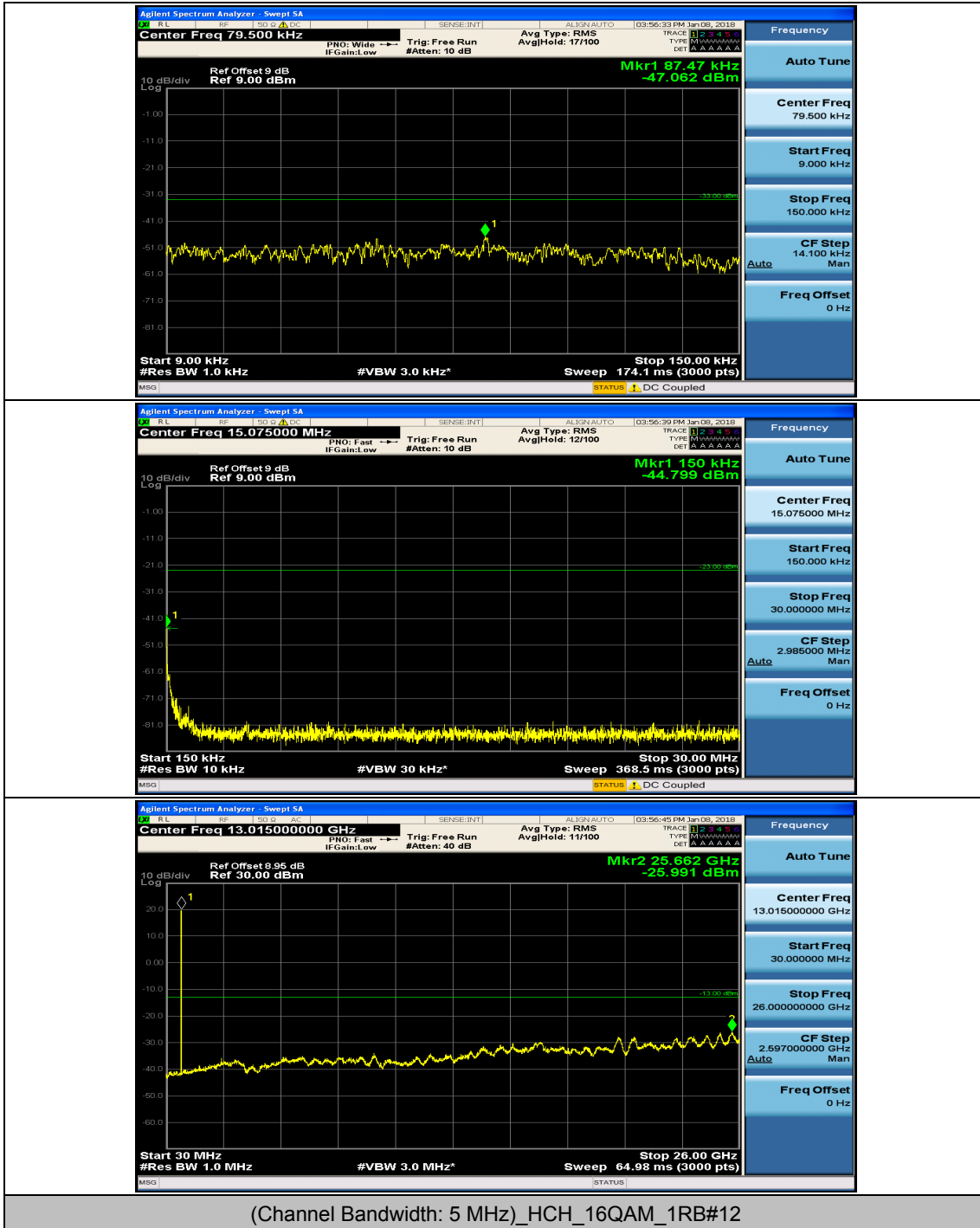


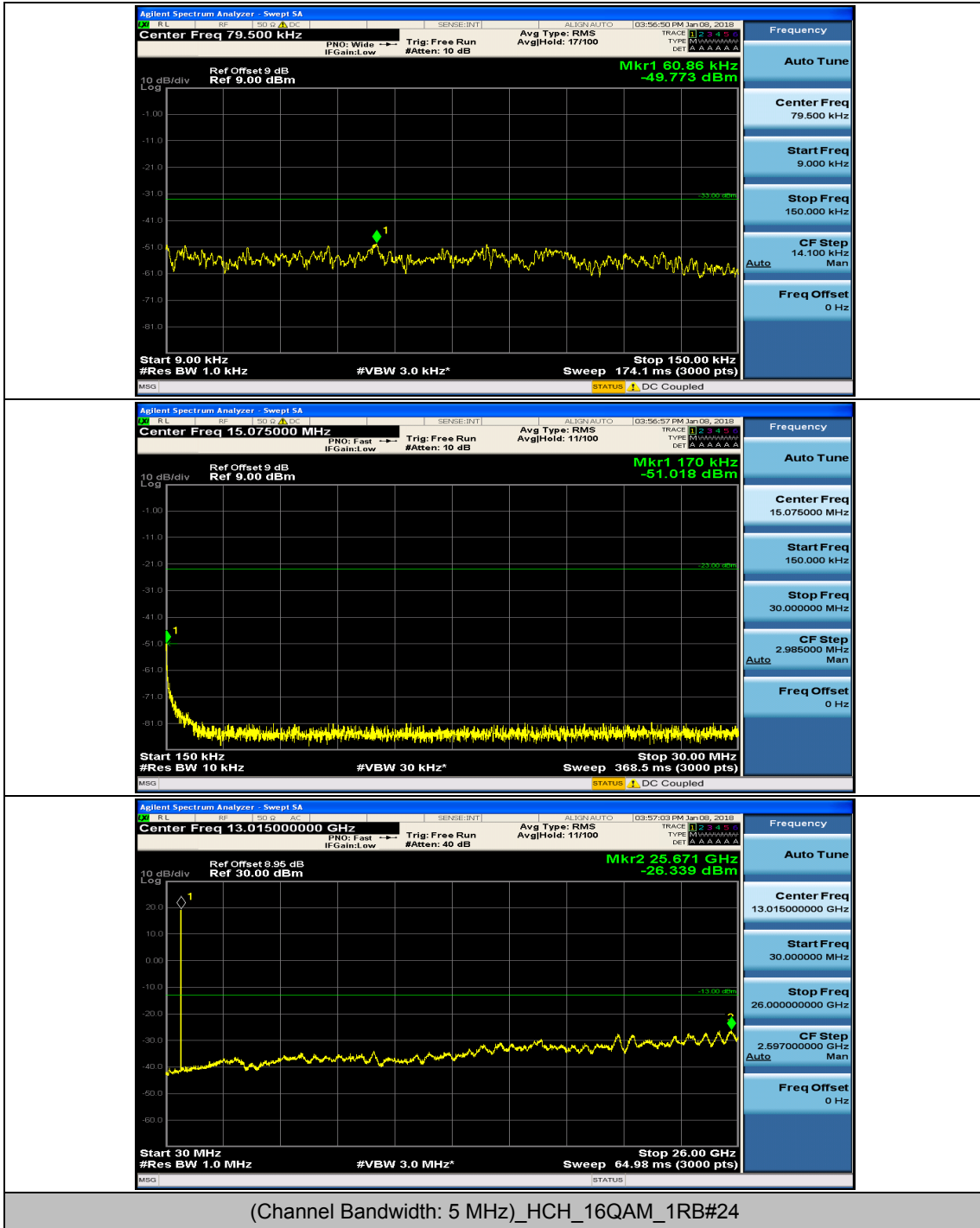
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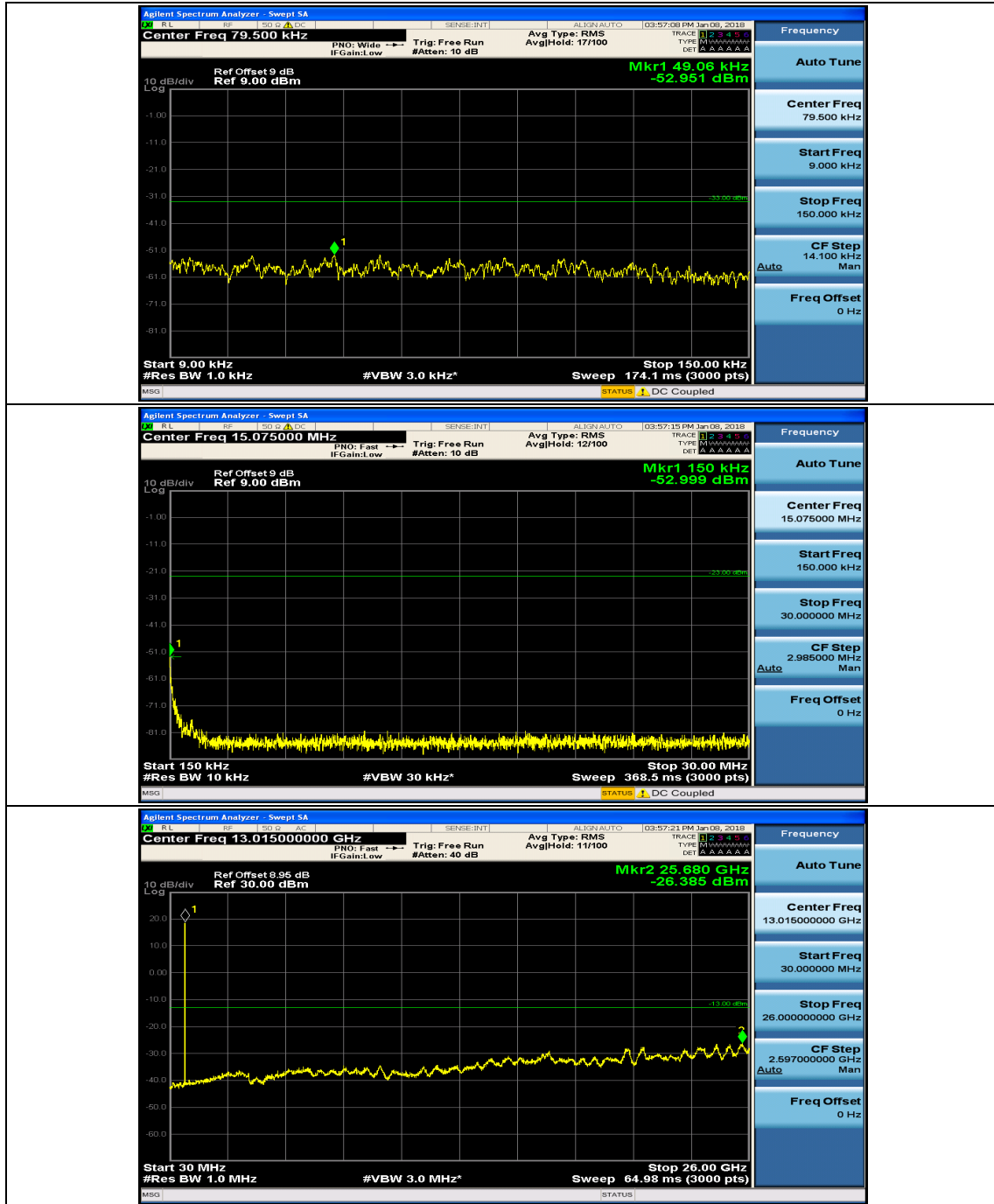




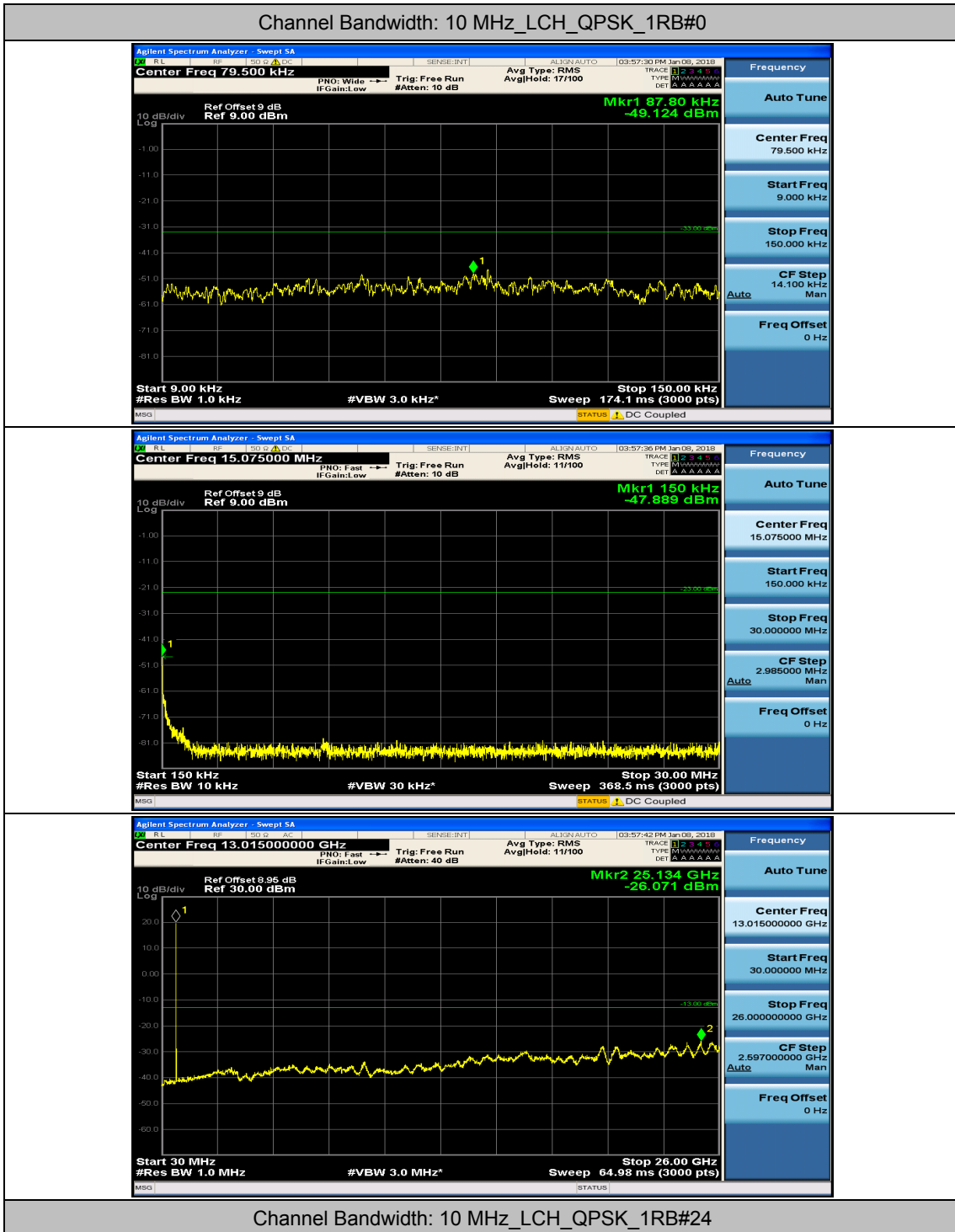
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

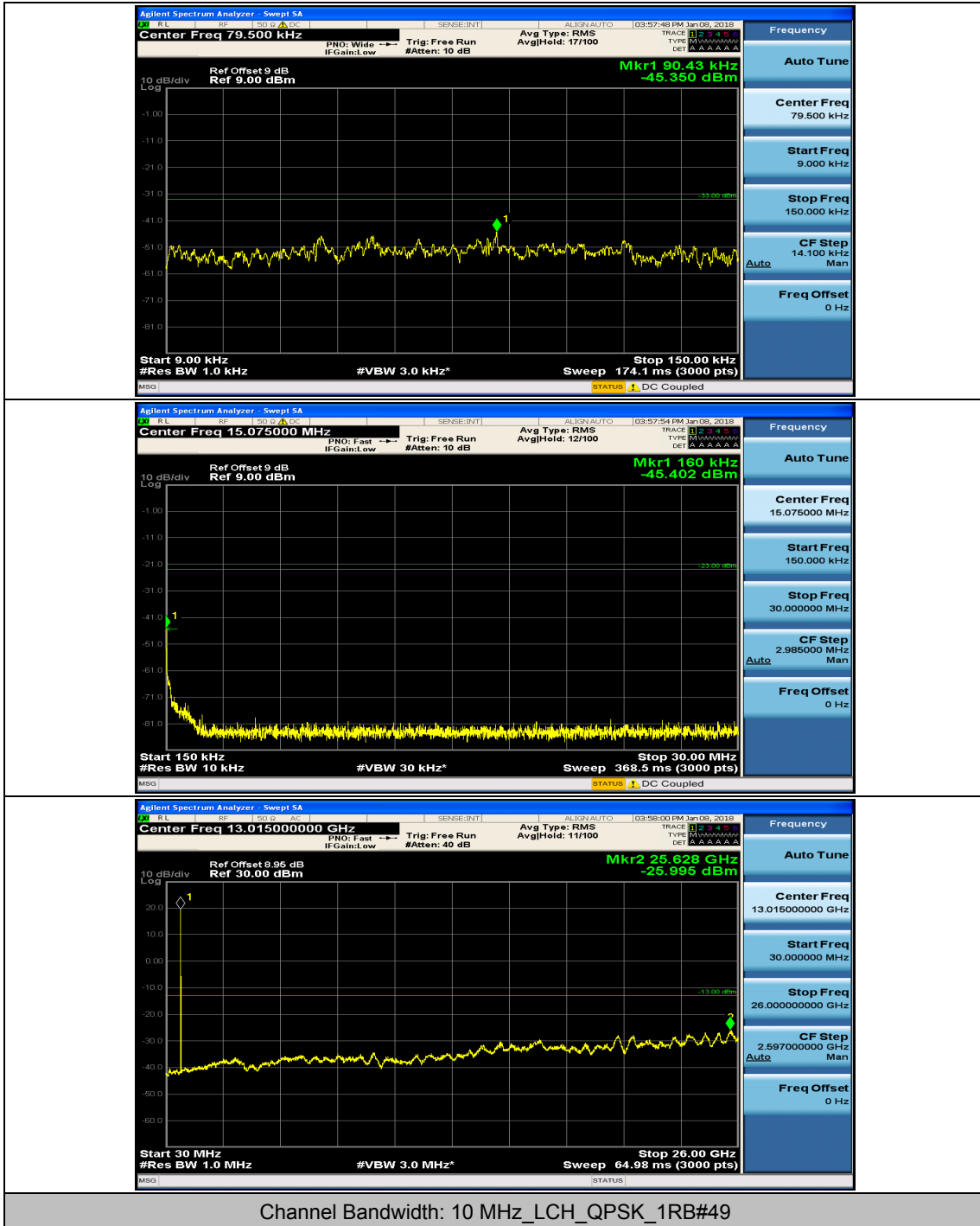


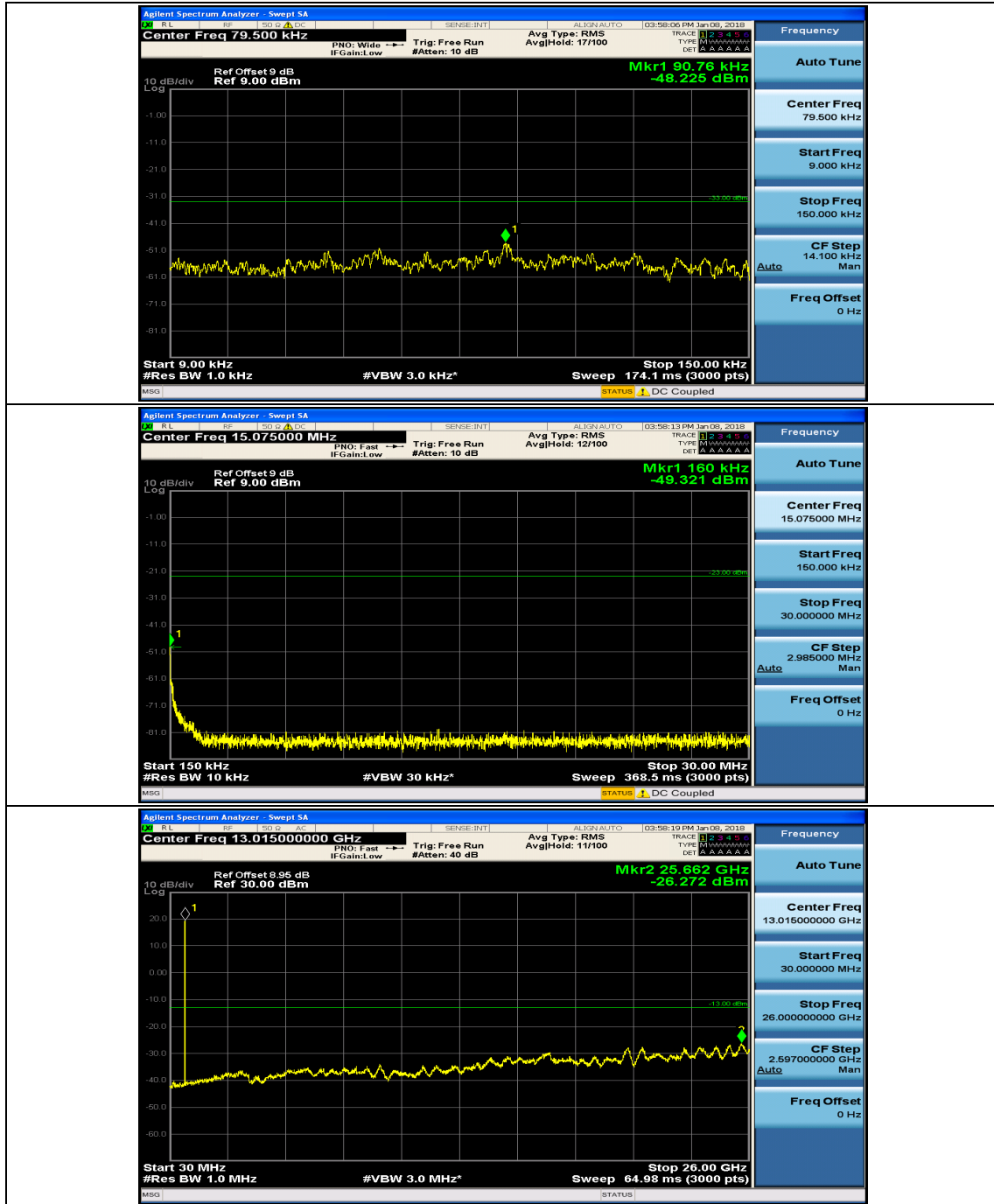




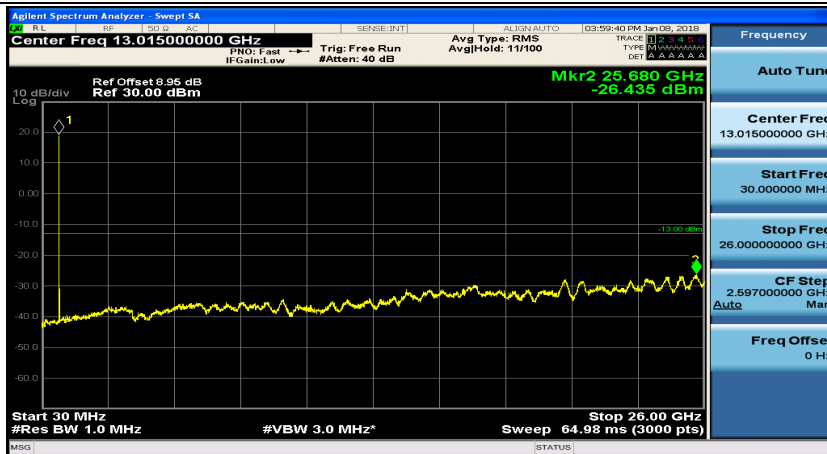
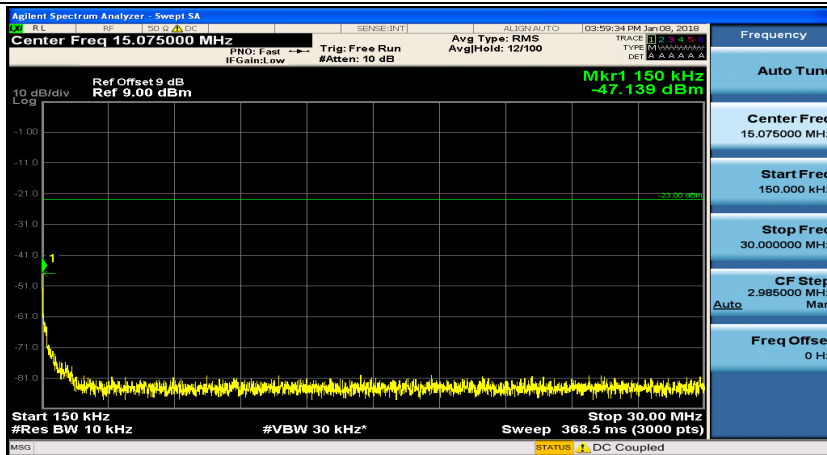
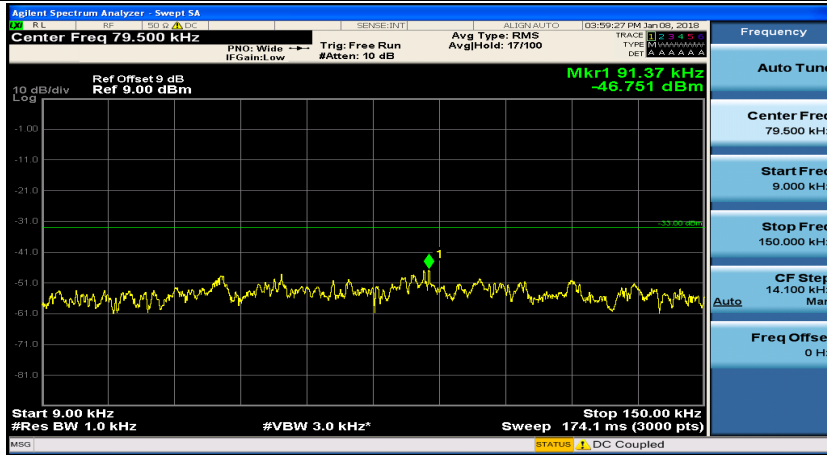
Channel Bandwidth: 10 MHz



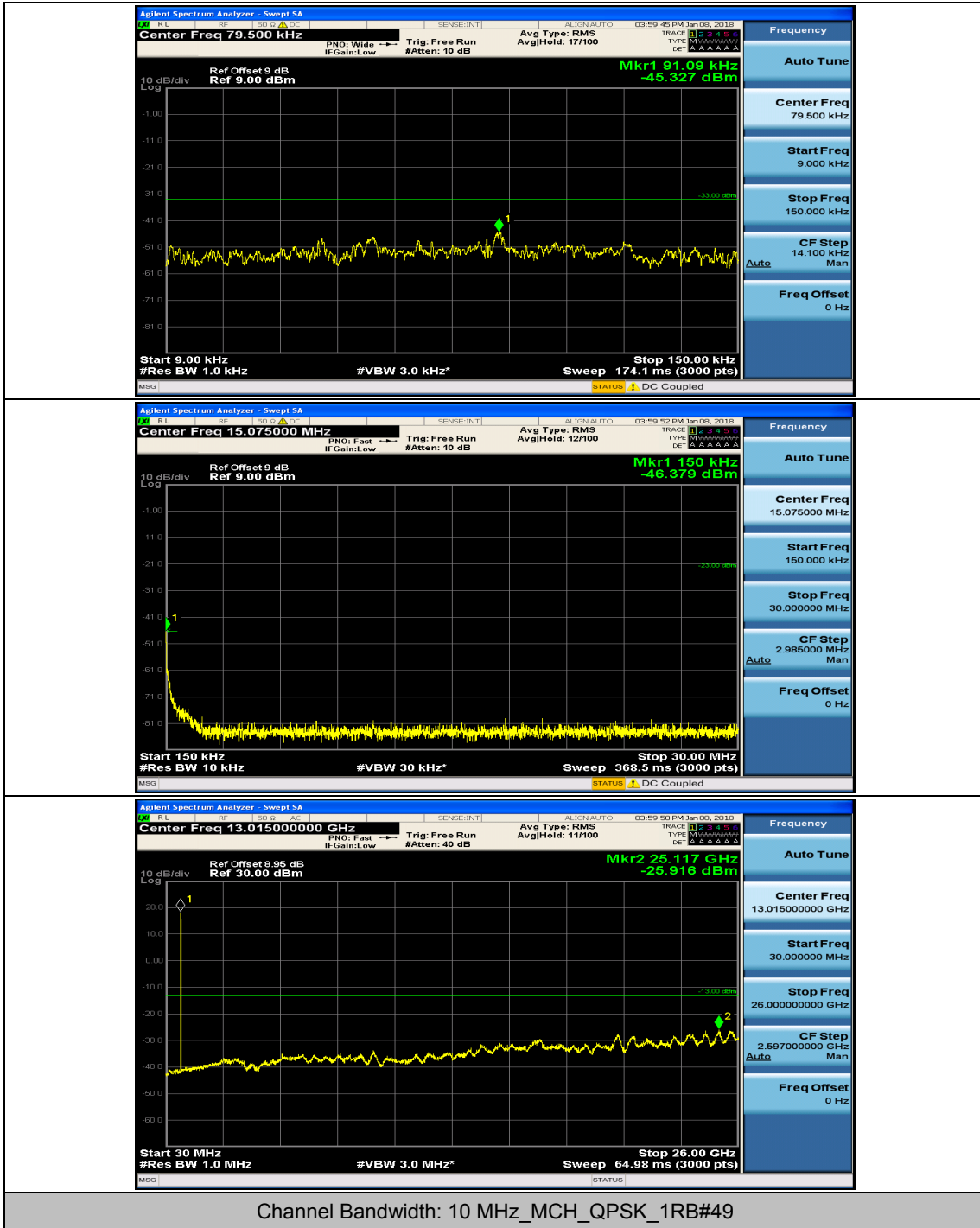


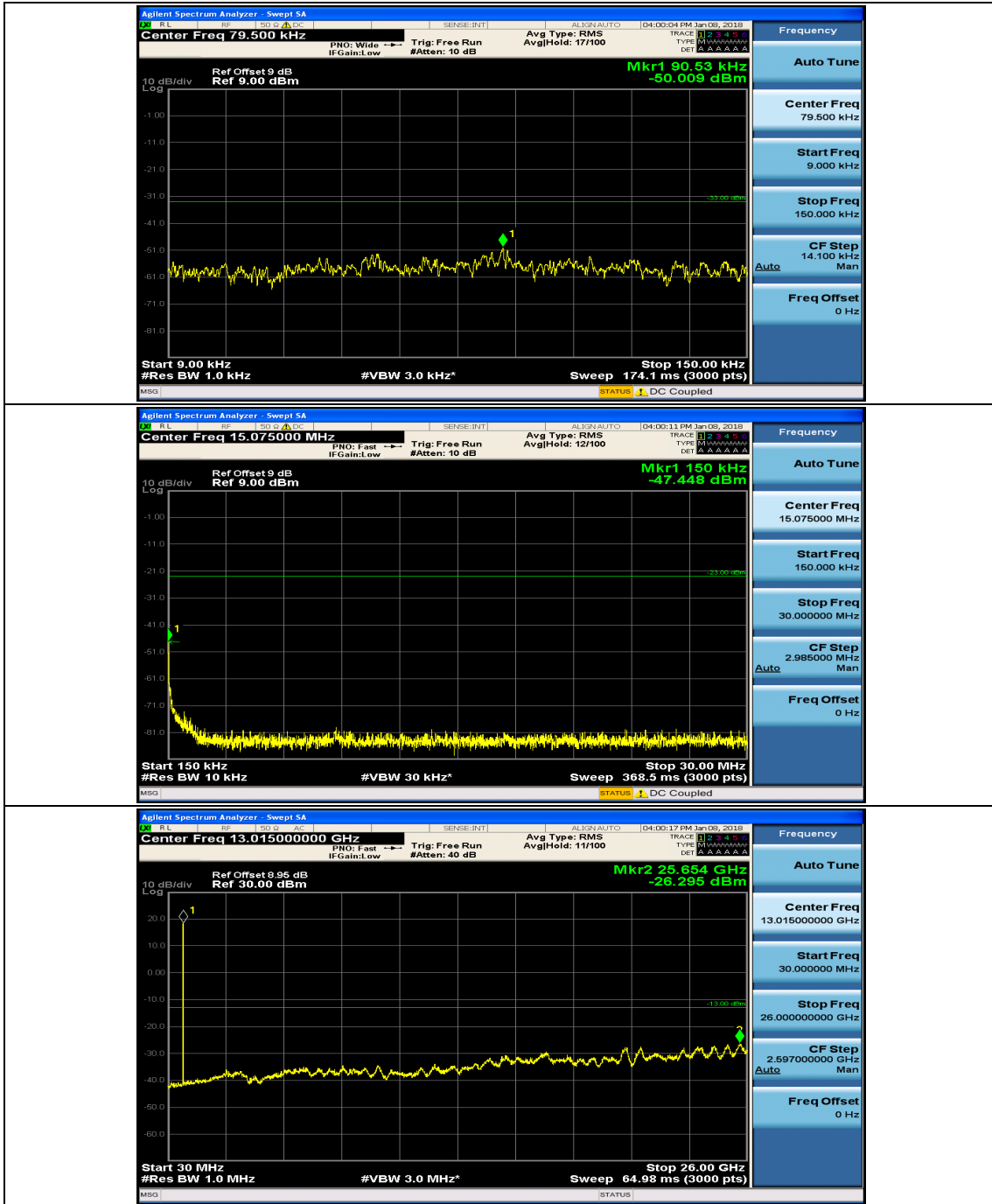


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

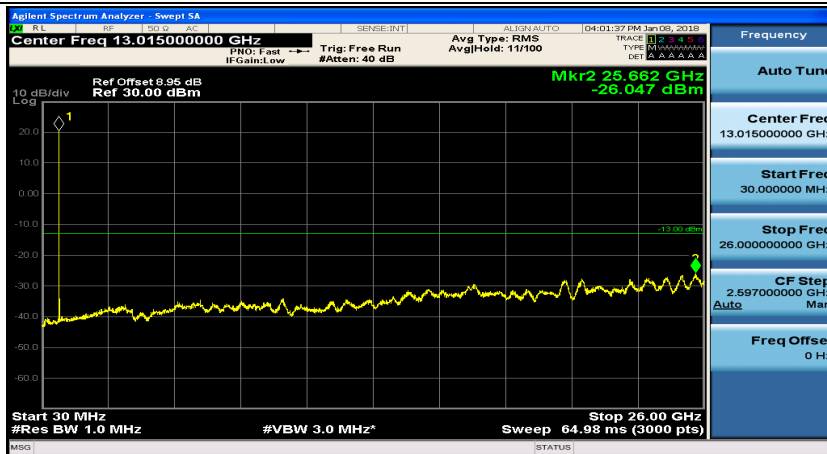
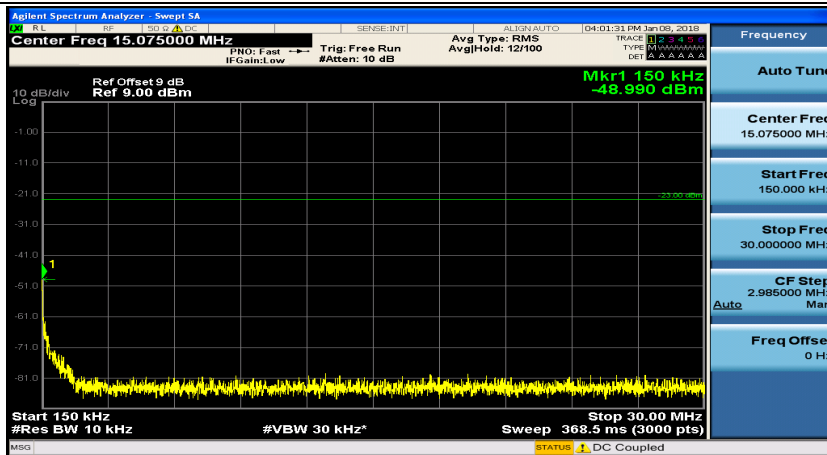
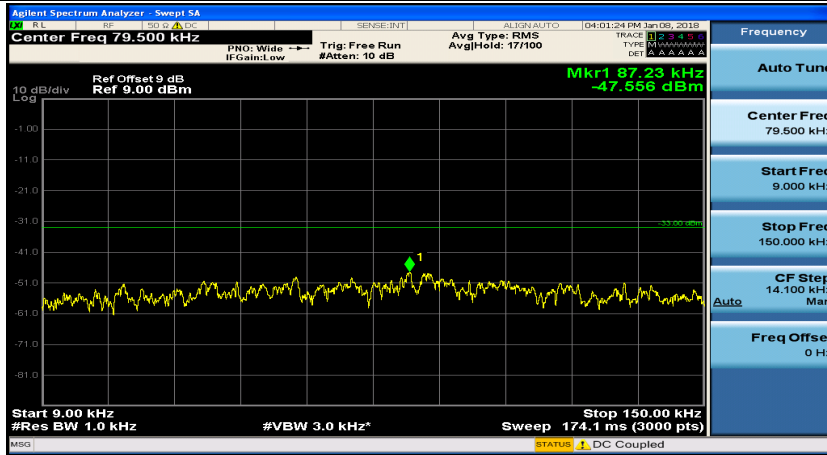


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

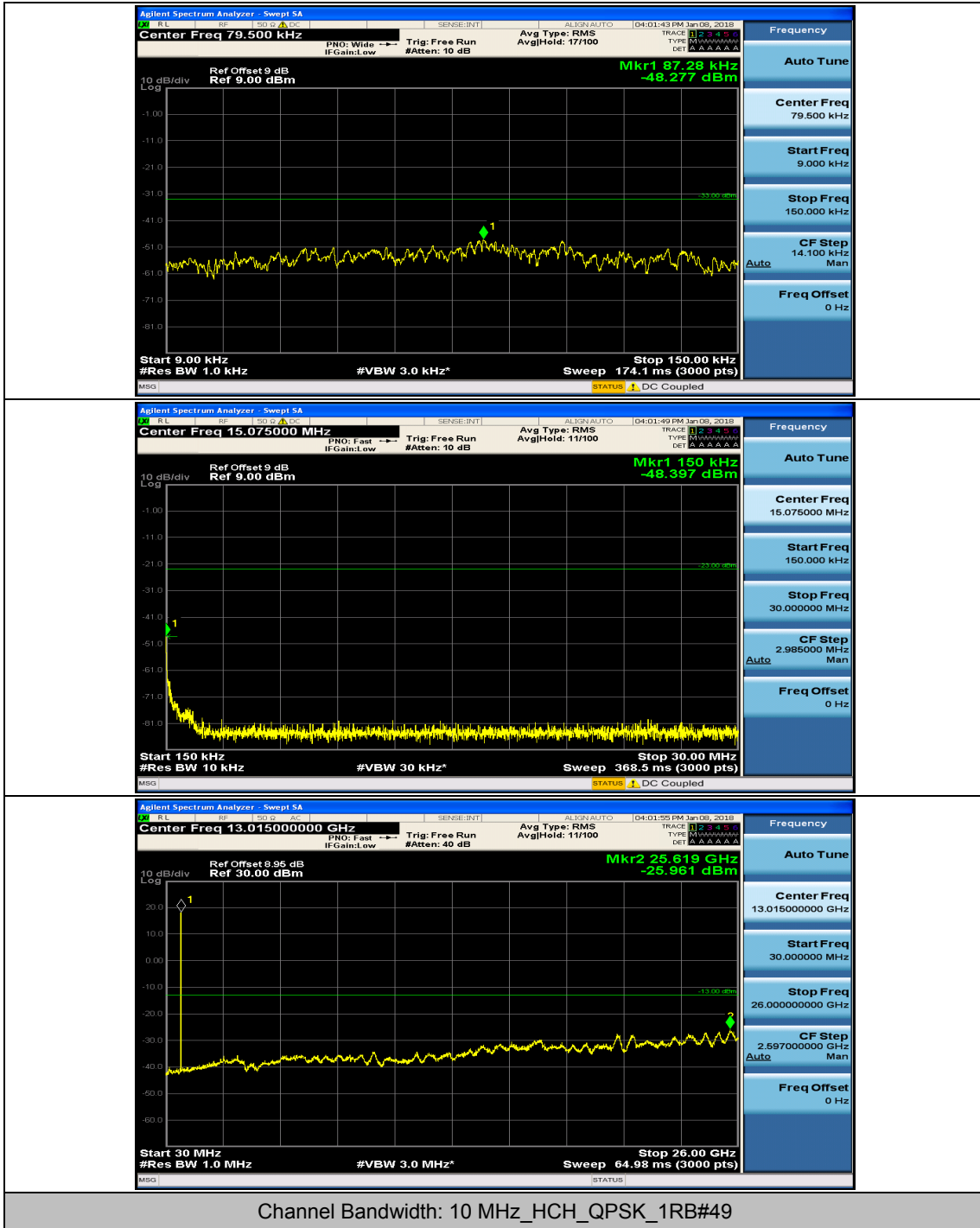


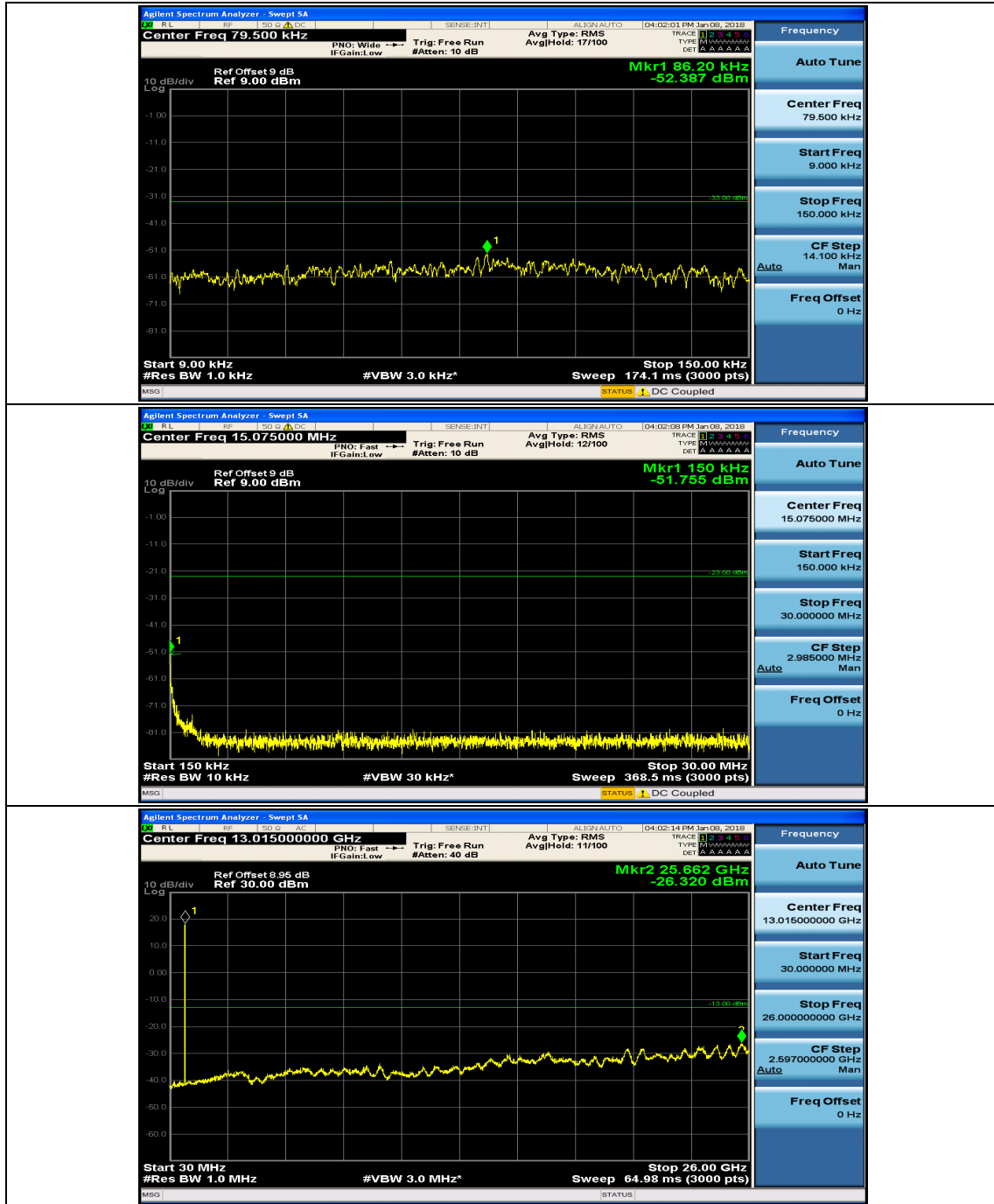


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

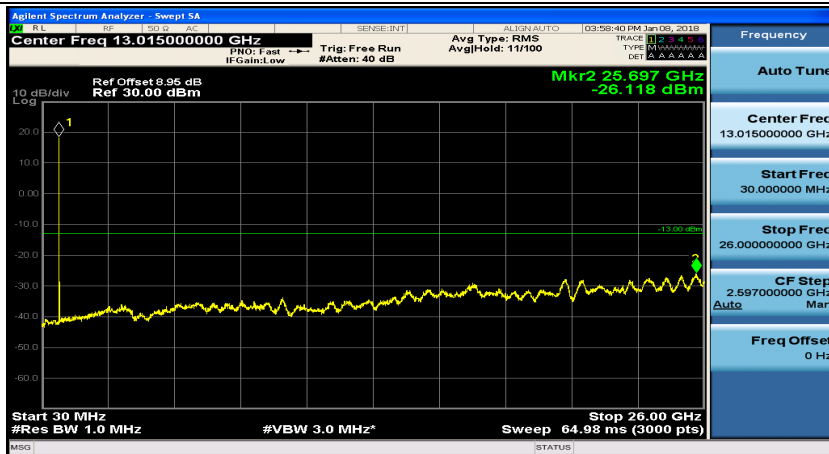
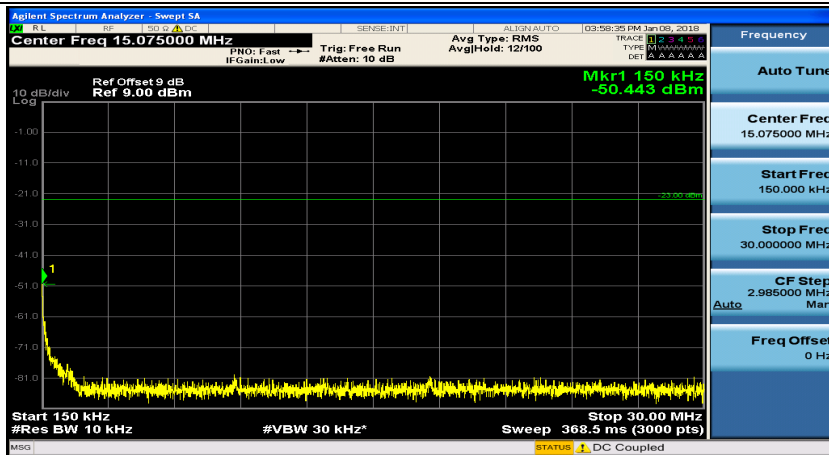
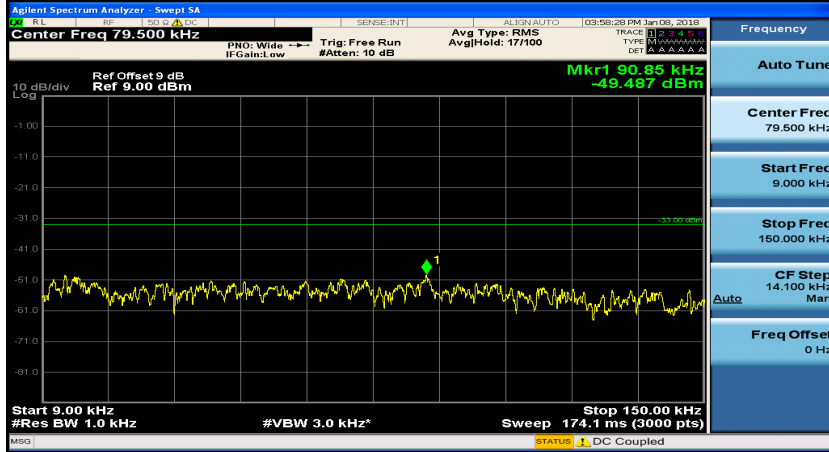


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

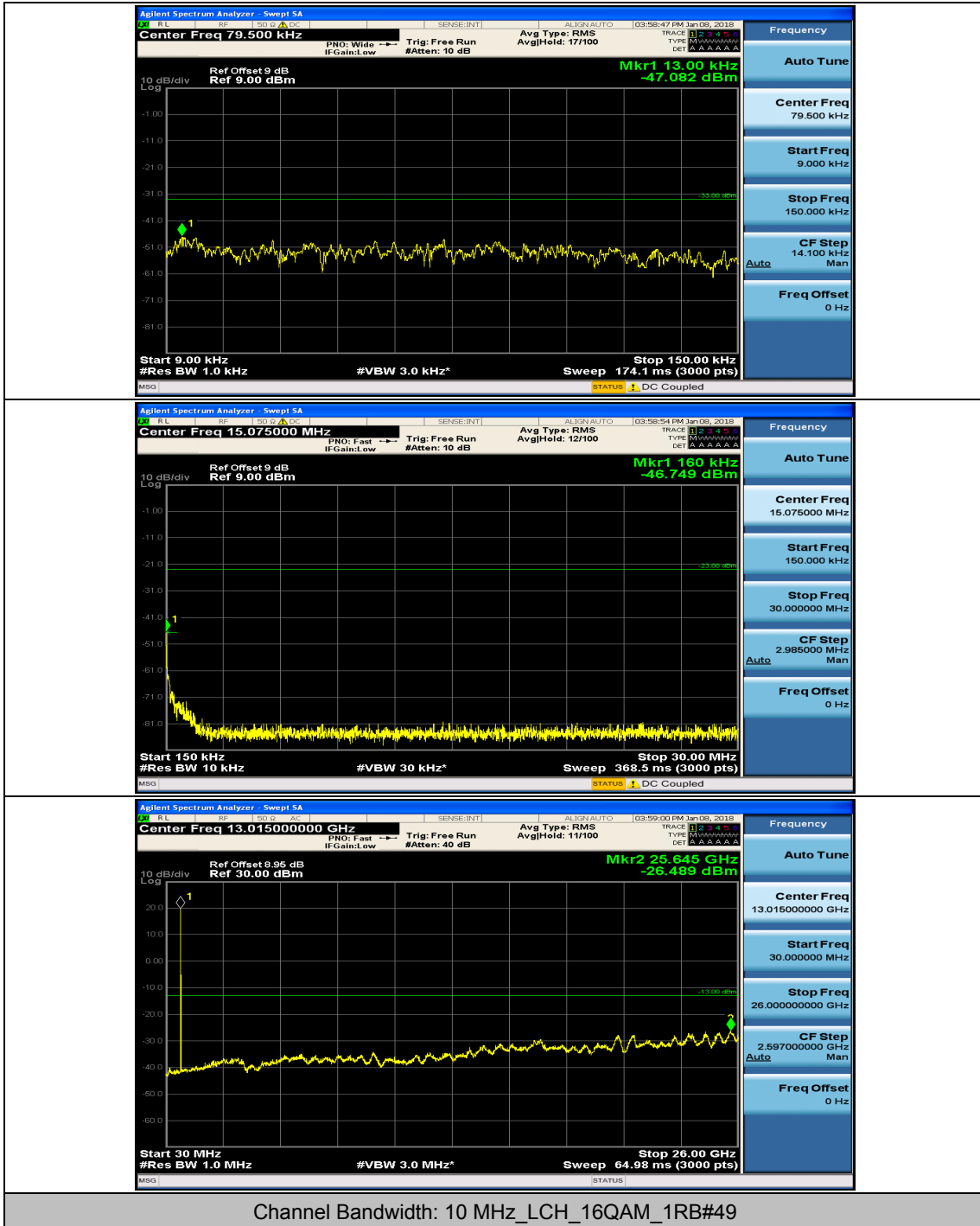


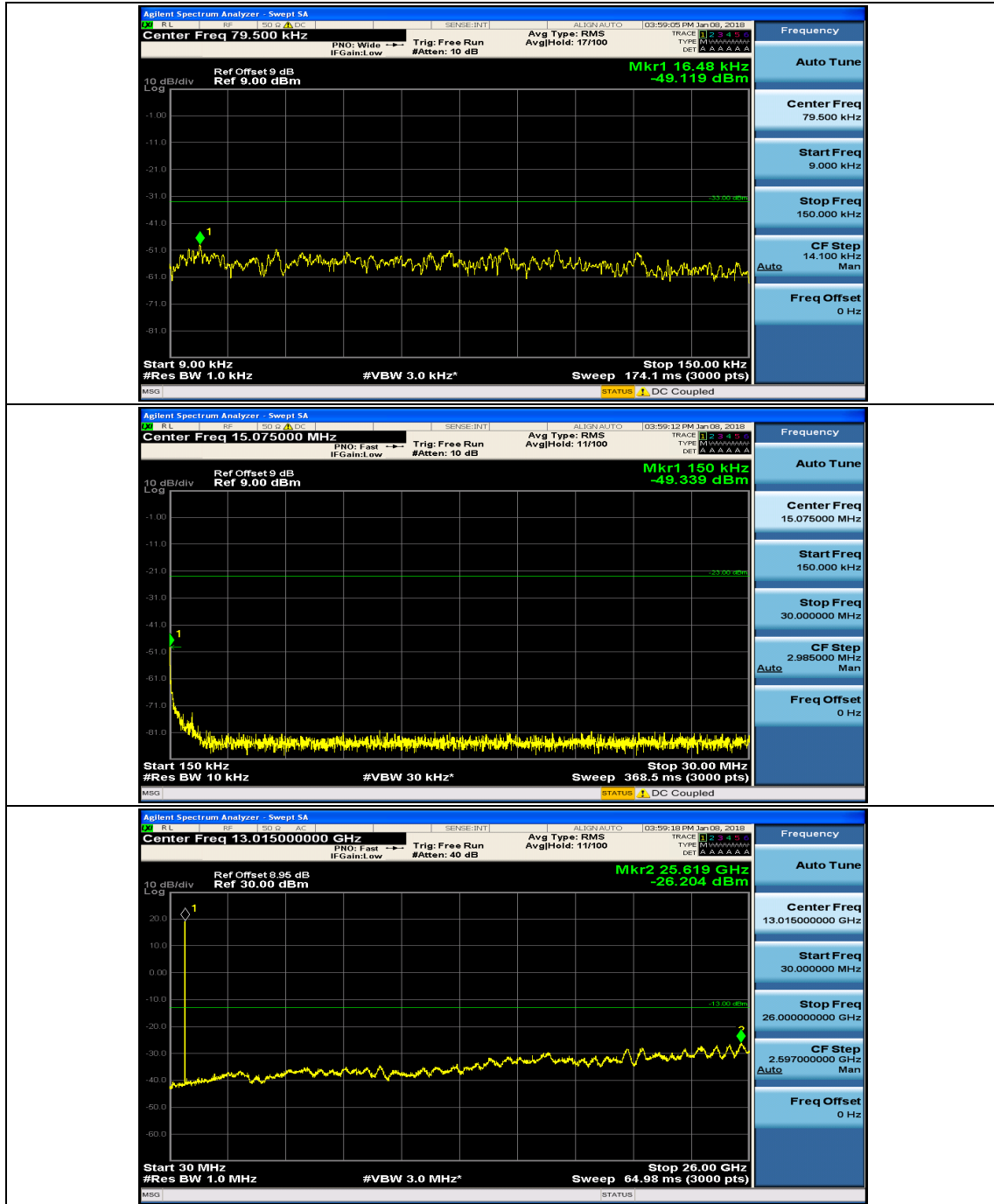


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

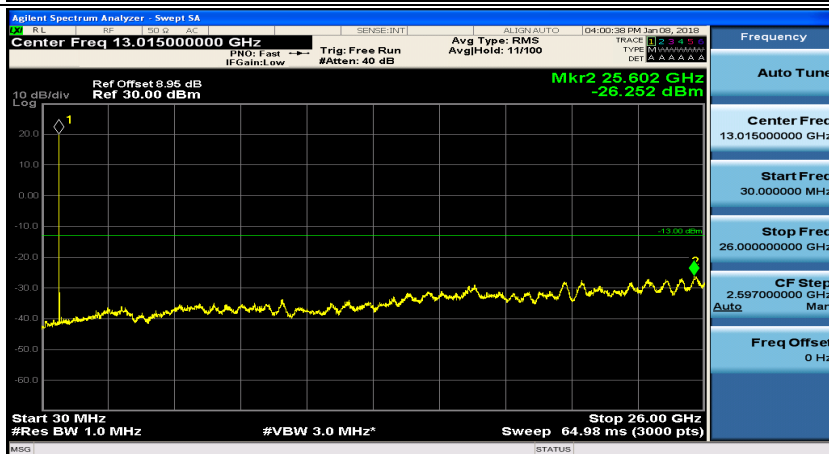
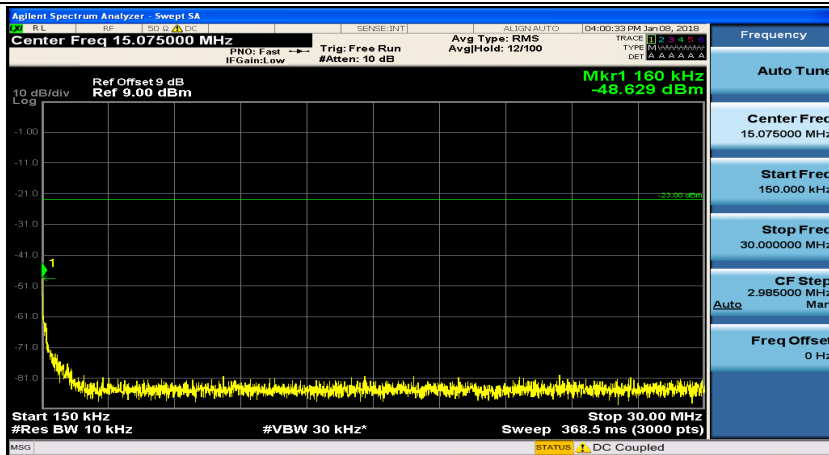
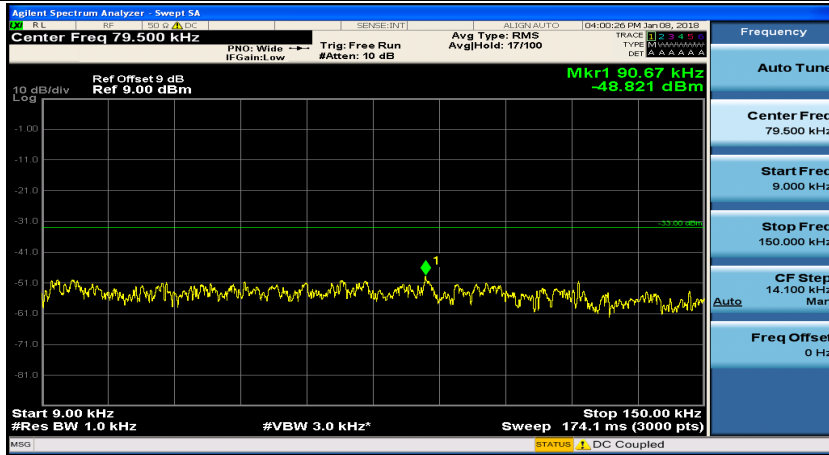


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

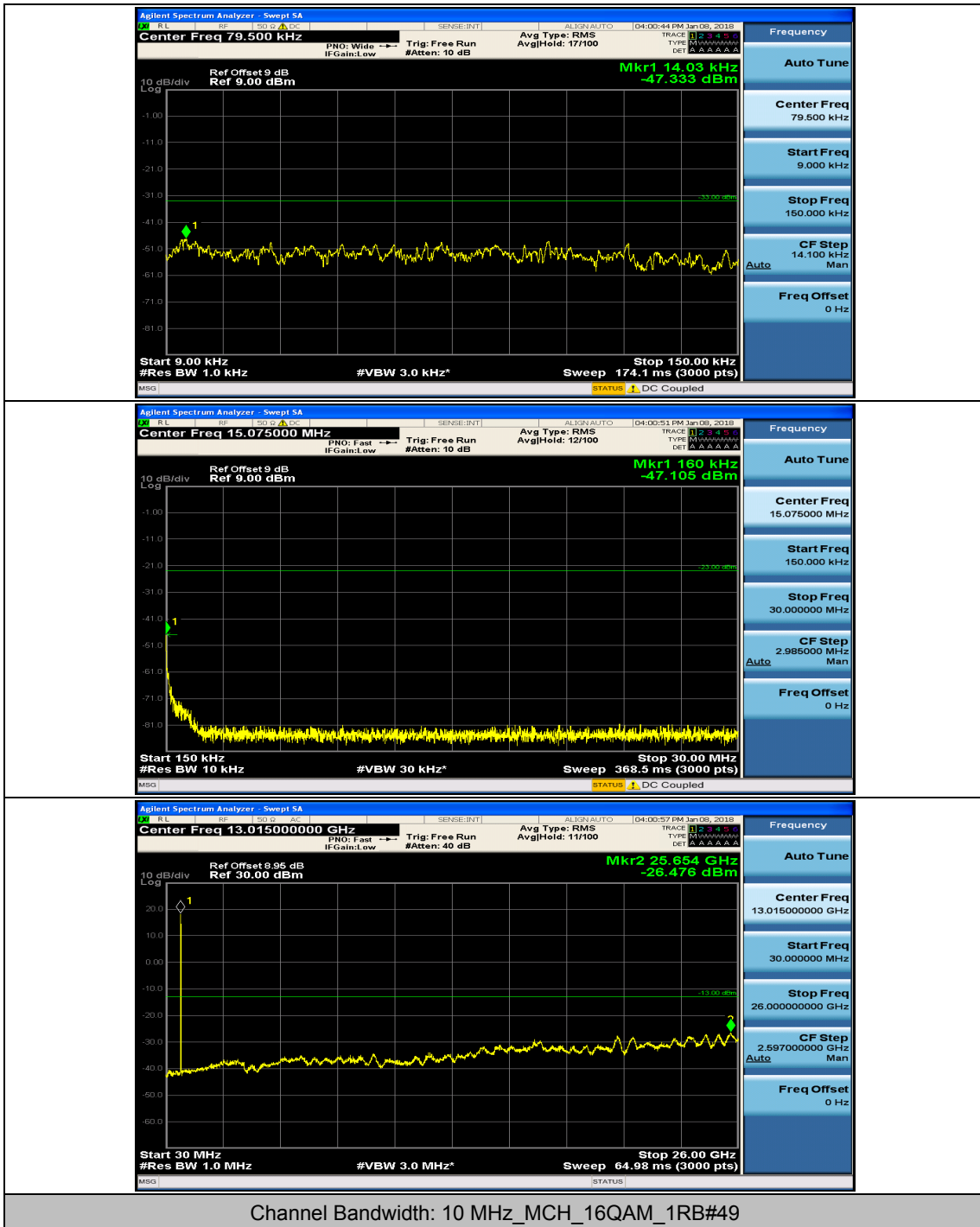


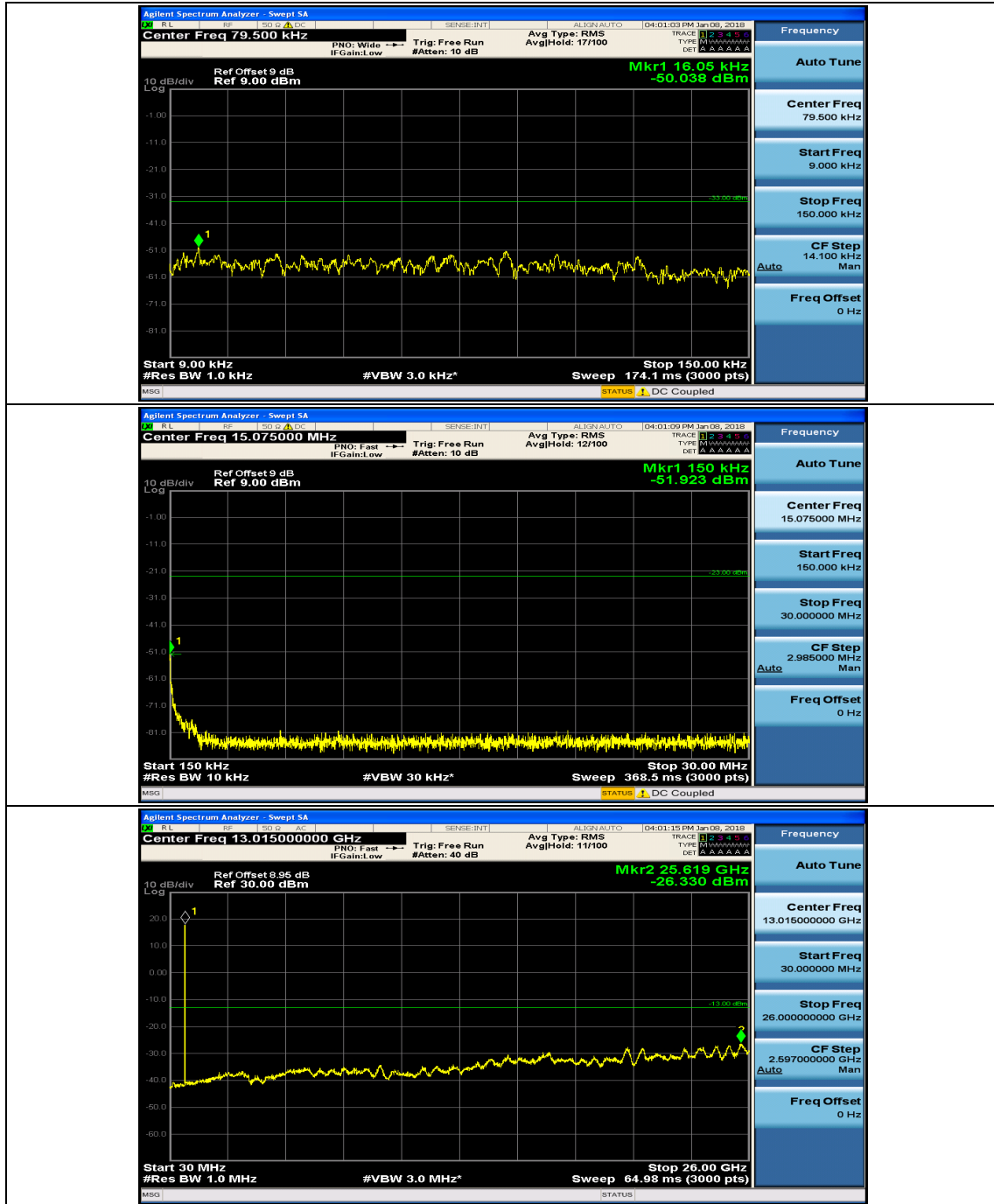


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

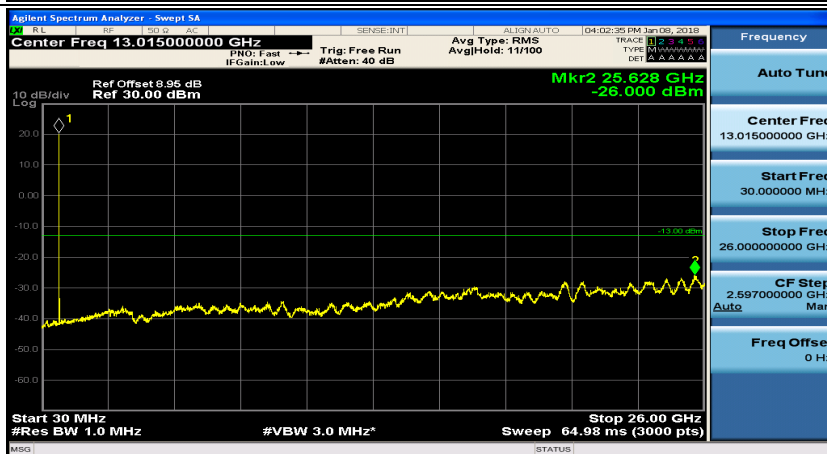
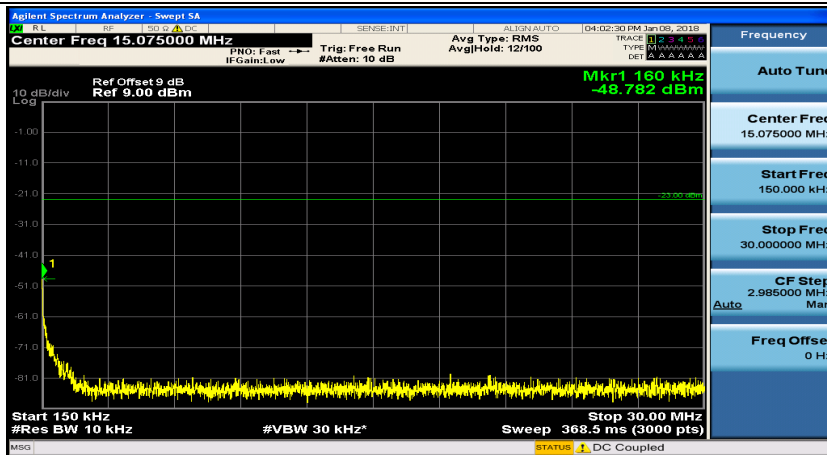
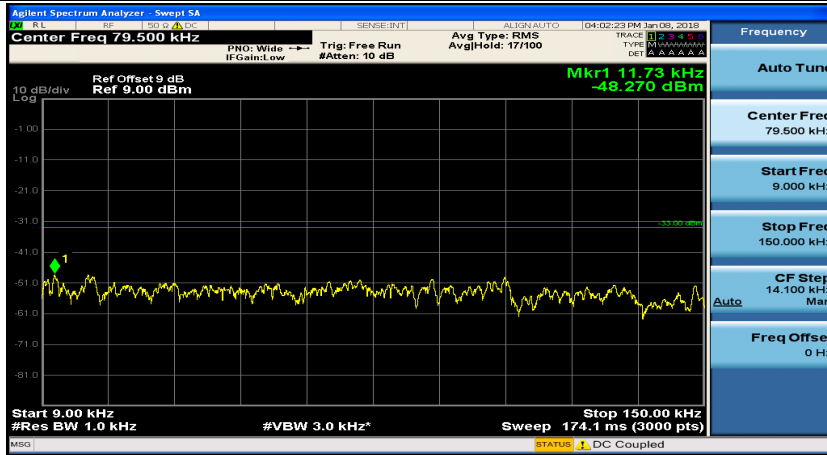


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

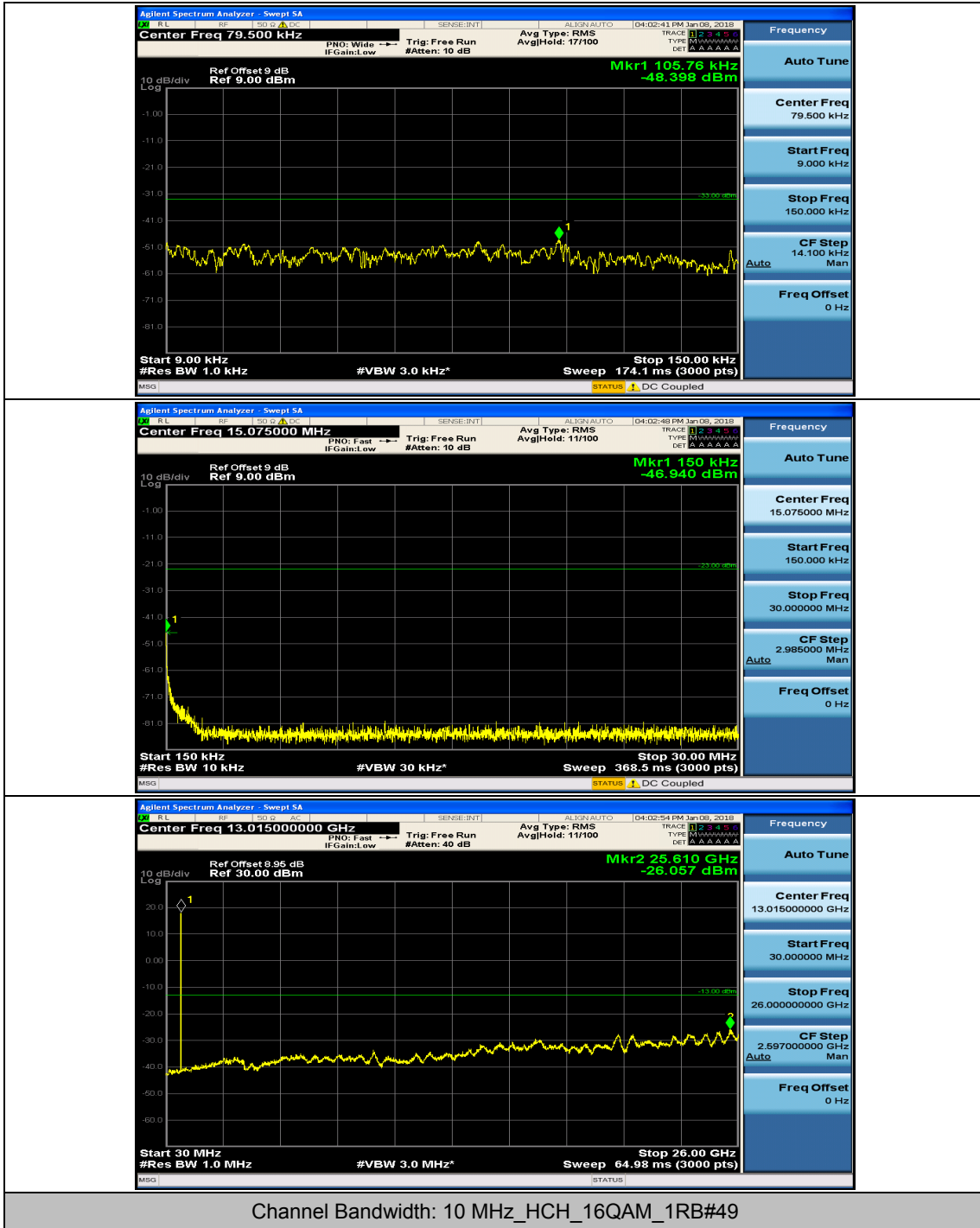


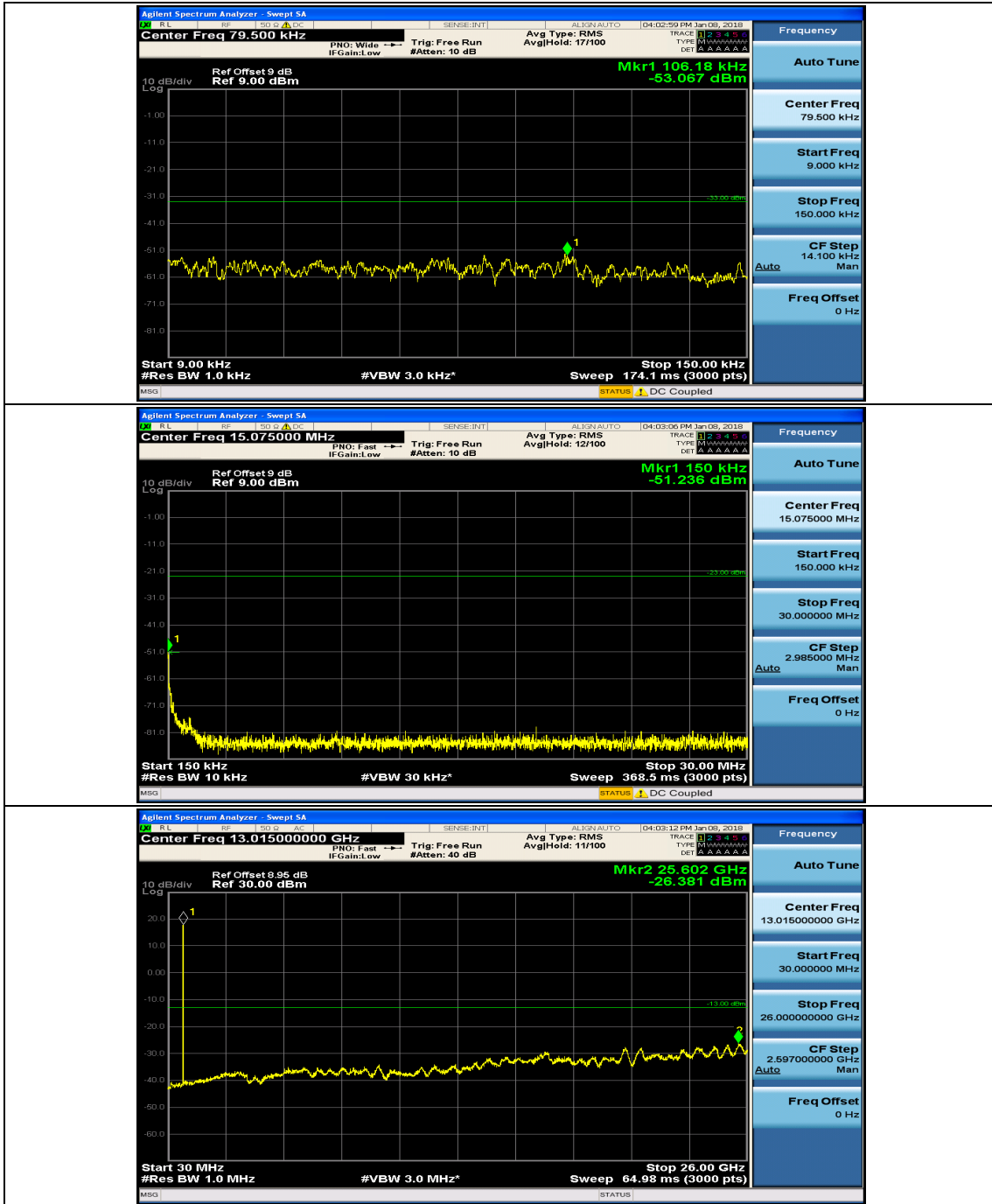


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24





Appendix F: Frequency Stability

Test Result

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	4.68	0.006624	± 2.5	PASS
		VN	TN	-0.7	-0.000991	± 2.5	PASS
		VH	TN	1.6	0.002265	± 2.5	PASS
	MCH	VL	TN	0.95	0.001338	± 2.5	PASS
		VN	TN	-1.68	-0.002366	± 2.5	PASS
		VH	TN	1.85	0.002606	± 2.5	PASS
	HCH	VL	TN	4.3	0.006027	± 2.5	PASS
		VN	TN	4.18	0.005858	± 2.5	PASS
		VH	TN	0.25	0.000350	± 2.5	PASS
16QAM	LCH	VL	TN	-1.29	-0.001826	± 2.5	PASS
		VN	TN	1.72	0.002435	± 2.5	PASS
		VH	TN	-0.72	-0.001019	± 2.5	PASS
	MCH	VL	TN	0.03	0.000042	± 2.5	PASS
		VN	TN	1.42	0.002000	± 2.5	PASS
		VH	TN	-1.33	-0.001873	± 2.5	PASS
	HCH	VL	TN	-1.33	-0.001864	± 2.5	PASS
		VN	TN	4.34	0.006083	± 2.5	PASS
		VH	TN	4.79	0.006713	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.25	-0.001769	± 2.5	PASS
		VN	-20	2.47	0.003496	± 2.5	PASS
		VN	-10	0.29	0.000410	± 2.5	PASS
		VN	0	-1.65	-0.002335	± 2.5	PASS
		VN	10	-0.48	-0.000679	± 2.5	PASS
		VN	20	-1.42	-0.002010	± 2.5	PASS
		VN	30	-0.19	-0.000269	± 2.5	PASS
		VN	40	3.96	0.005605	± 2.5	PASS
		VN	50	0.37	0.000524	± 2.5	PASS
	MCH	VN	-30	1.7	0.002394	± 2.5	PASS
		VN	-20	3.73	0.005254	± 2.5	PASS

		VN	-10	2.88	0.004056	± 2.5	PASS		
		VN	0	0.25	0.000352	± 2.5	PASS		
		VN	10	3.18	0.004479	± 2.5	PASS		
		VN	20	-1.59	-0.002239	± 2.5	PASS		
		VN	30	4.53	0.006380	± 2.5	PASS		
		VN	40	4.43	0.006239	± 2.5	PASS		
		VN	50	-1.96	-0.002761	± 2.5	PASS		
	HCH	VN	-30	4.28	0.005999	± 2.5	PASS		
		VN	-20	2.72	0.003812	± 2.5	PASS		
		VN	-10	3.64	0.005102	± 2.5	PASS		
		VN	0	1.29	0.001808	± 2.5	PASS		
		VN	10	-0.48	-0.000673	± 2.5	PASS		
		VN	20	-1.91	-0.002677	± 2.5	PASS		
		VN	30	0.31	0.000434	± 2.5	PASS		
		VN	40	4.34	0.006083	± 2.5	PASS		
		VN	50	1.29	0.001808	± 2.5	PASS		
		16QAM	LCH	VN	-30	1.22	0.001727	± 2.5	PASS
				VN	-20	4.48	0.006341	± 2.5	PASS
VN	-10			4.36	0.006171	± 2.5	PASS		
VN	0			-0.99	-0.001401	± 2.5	PASS		
VN	10			-1.91	-0.002703	± 2.5	PASS		
VN	20			1.64	0.002321	± 2.5	PASS		
VN	30			4.6	0.006511	± 2.5	PASS		
VN	40			2.04	0.002887	± 2.5	PASS		
VN	50			3.41	0.004827	± 2.5	PASS		
MCH	VN		-30	-1.12	-0.001570	± 2.5	PASS		
	VN		-20	0.71	0.000995	± 2.5	PASS		
	VN		-10	4.48	0.006279	± 2.5	PASS		
	VN		0	4.51	0.006321	± 2.5	PASS		
	VN		10	4.8	0.006727	± 2.5	PASS		
	VN		20	1.67	0.002341	± 2.5	PASS		
	VN		30	1.45	0.002032	± 2.5	PASS		
	VN		40	-1.84	-0.002579	± 2.5	PASS		
	VN		50	-1.05	-0.001472	± 2.5	PASS		
HCH	VN		-30	2.07	0.002901	± 2.5	PASS		
	VN		-20	0.53	0.000743	± 2.5	PASS		
	VN		-10	-1.36	-0.001906	± 2.5	PASS		
	VN		0	2.29	0.003210	± 2.5	PASS		
	VN		10	2.53	0.003546	± 2.5	PASS		
	VN		20	2.9	0.004064	± 2.5	PASS		
	VN		30	0.03	0.000042	± 2.5	PASS		

		VN	40	2.68	0.003756	± 2.5	PASS
		VN	50	3.81	0.005340	± 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	1.2	0.001693	± 2.5	PASS
		VN	TN	4.42	0.006234	± 2.5	PASS
		VH	TN	0.93	0.001312	± 2.5	PASS
	MCH	VL	TN	-0.88	-0.001239	± 2.5	PASS
		VN	TN	2.82	0.003972	± 2.5	PASS
		VH	TN	-0.5	-0.000704	± 2.5	PASS
	HCH	VL	TN	-0.64	-0.000900	± 2.5	PASS
		VN	TN	3.96	0.005570	± 2.5	PASS
		VH	TN	3	0.004219	± 2.5	PASS
16QAM	LCH	VL	TN	-0.28	-0.000395	± 2.5	PASS
		VN	TN	-1.47	-0.002073	± 2.5	PASS
		VH	TN	3.4	0.004795	± 2.5	PASS
	MCH	VL	TN	1.67	0.002352	± 2.5	PASS
		VN	TN	4.07	0.005732	± 2.5	PASS
		VH	TN	2.7	0.003803	± 2.5	PASS
	HCH	VL	TN	1.78	0.002504	± 2.5	PASS
		VN	TN	3.77	0.005302	± 2.5	PASS
		VH	TN	3.99	0.005612	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	0.42	0.000592	± 2.5	PASS
		VN	-20	-1.6	-0.002257	± 2.5	PASS
		VN	-10	-0.47	-0.000663	± 2.5	PASS
		VN	0	0.56	0.000790	± 2.5	PASS
		VN	10	4.04	0.005698	± 2.5	PASS
		VN	20	1.71	0.002412	± 2.5	PASS
		VN	30	-0.09	-0.000127	± 2.5	PASS
		VN	40	0.82	0.001157	± 2.5	PASS
		VN	50	-0.59	-0.000832	± 2.5	PASS
	MCH	VN	-30	2.89	0.004070	± 2.5	PASS
		VN	-20	-0.31	-0.000437	± 2.5	PASS
		VN	-10	3.41	0.004803	± 2.5	PASS

	VN	0	2.1	0.002958	± 2.5	PASS			
		10	1.67	0.002352	± 2.5	PASS			
		20	1.5	0.002113	± 2.5	PASS			
		30	-0.38	-0.000535	± 2.5	PASS			
		40	-0.45	-0.000634	± 2.5	PASS			
		50	4.22	0.005944	± 2.5	PASS			
	HCH	VN	-30	1.46	0.002053	± 2.5	PASS		
		VN	-20	4.74	0.006667	± 2.5	PASS		
		VN	-10	0.06	0.000084	± 2.5	PASS		
		VN	0	0.48	0.000675	± 2.5	PASS		
		VN	10	3.53	0.004965	± 2.5	PASS		
		VN	20	2.31	0.003249	± 2.5	PASS		
		VN	30	1.51	0.002124	± 2.5	PASS		
		VN	40	3.22	0.004529	± 2.5	PASS		
		VN	50	1.53	0.002152	± 2.5	PASS		
		QPSK	LCH	VN	-30	-0.68	-0.000958	± 2.5	PASS
				VN	-20	0.77	0.001085	± 2.5	PASS
				VN	-10	-0.84	-0.001183	± 2.5	PASS
VN	0			1.98	0.002789	± 2.5	PASS		
VN	10			4.57	0.006437	± 2.5	PASS		
VN	20			0.29	0.000408	± 2.5	PASS		
VN	30			2.77	0.003901	± 2.5	PASS		
VN	40			3.74	0.005268	± 2.5	PASS		
VN	50			2.79	0.003930	± 2.5	PASS		
MCH	VN		-30	-1.45	-0.002039	± 2.5	PASS		
	VN		-20	-0.31	-0.000436	± 2.5	PASS		
	VN		-10	2.33	0.003277	± 2.5	PASS		
	VN		0	-1.24	-0.001744	± 2.5	PASS		
	VN		10	4.77	0.006709	± 2.5	PASS		
	VN		20	-0.21	-0.000295	± 2.5	PASS		
	VN		30	-1.93	-0.002714	± 2.5	PASS		
	VN		40	-1.93	-0.002714	± 2.5	PASS		
	VN		50	0.93	0.001308	± 2.5	PASS		
HCH	VN		-30	-1.01	-0.001421	± 2.5	PASS		
	VN		-20	-0.93	-0.001308	± 2.5	PASS		
	VN		-10	-1.46	-0.002053	± 2.5	PASS		
	VN		0	2.08	0.002925	± 2.5	PASS		
	VN		10	4.75	0.006681	± 2.5	PASS		
	VN		20	0	0.000000	± 2.5	PASS		
	VN		30	0.32	0.000450	± 2.5	PASS		
	VN		40	0.35	0.000492	± 2.5	PASS		

		VN	50	-0.89	-0.001252	± 2.5	PASS
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