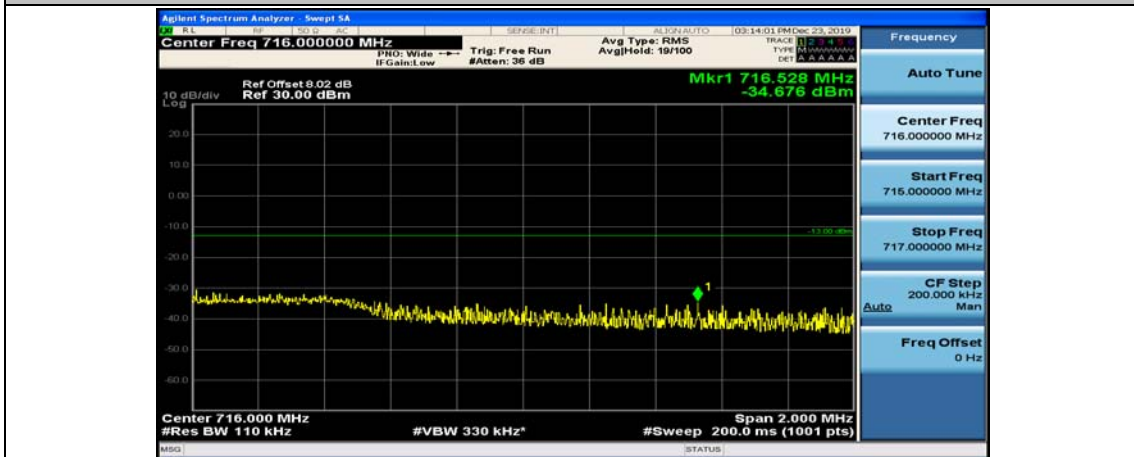


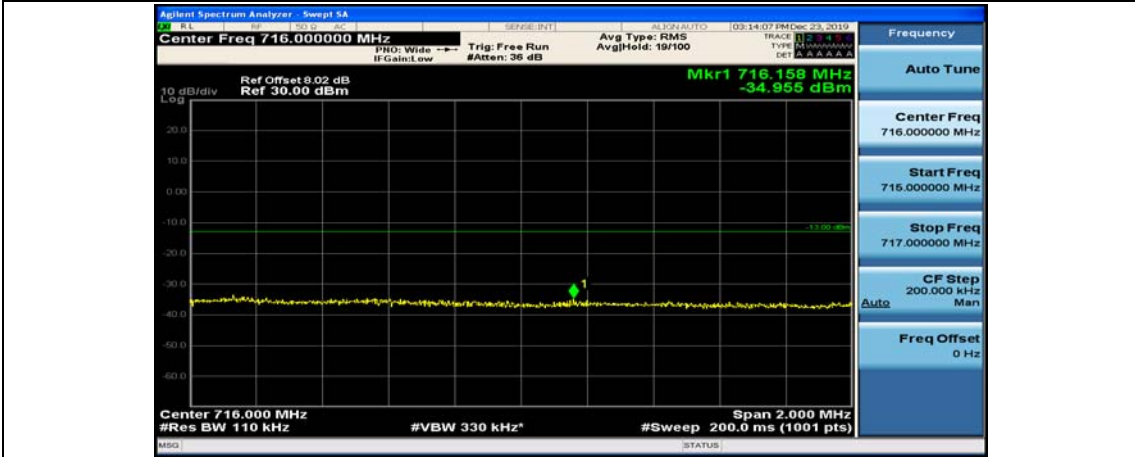
Channel Bandwidth: 10 MHz\_HCH\_QPSK\_1RB#49



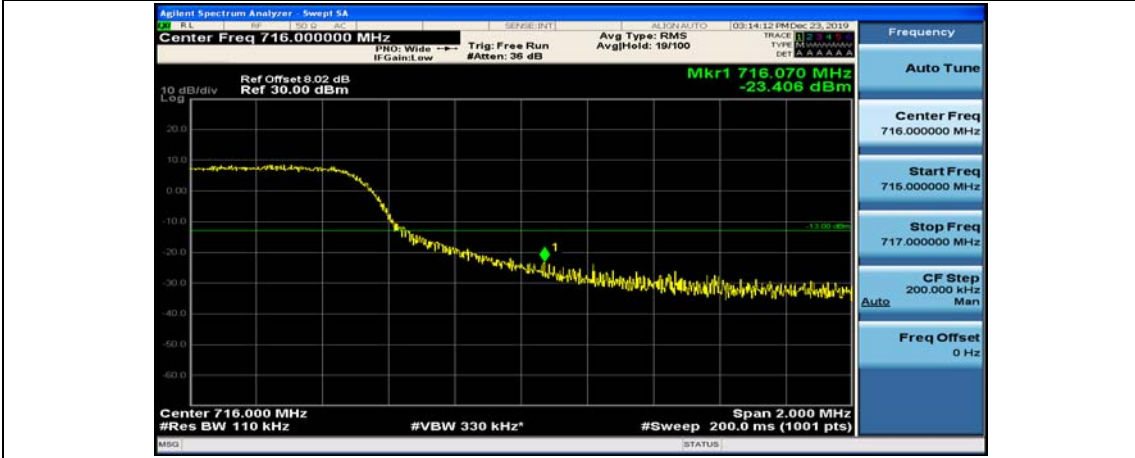
Channel Bandwidth: 10 MHz\_HCH\_QPSK\_25RB#0



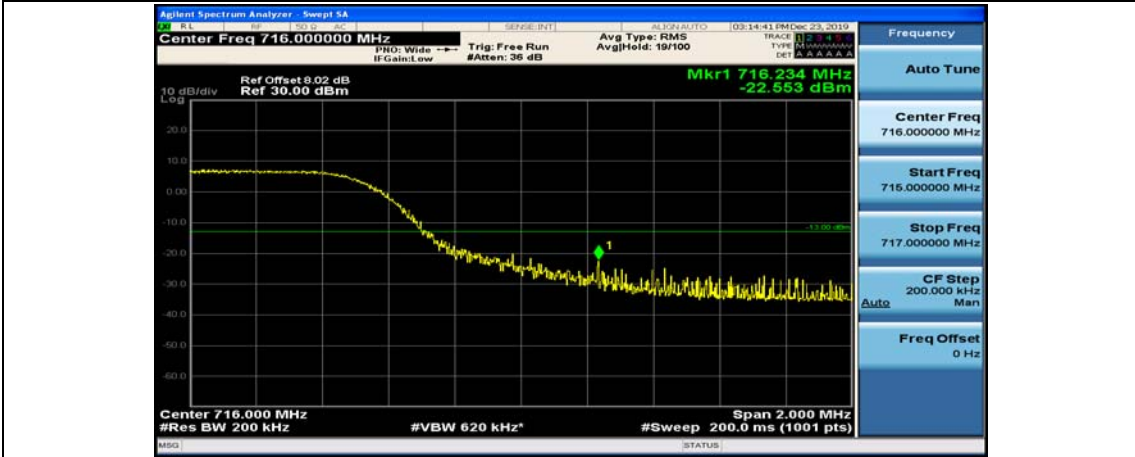
Channel Bandwidth: 10 MHz\_HCH\_QPSK\_25RB#12



Channel Bandwidth: 10 MHz\_HCH\_QPSK\_25RB#25



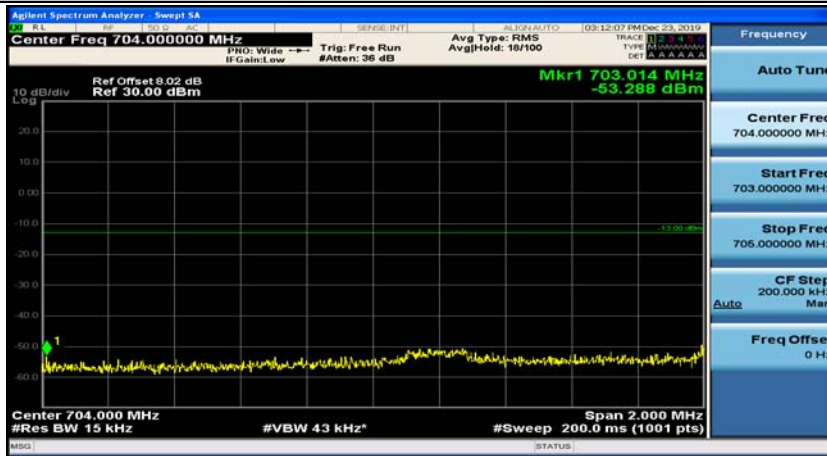
Channel Bandwidth: 10 MHz\_HCH\_QPSK\_50RB#0



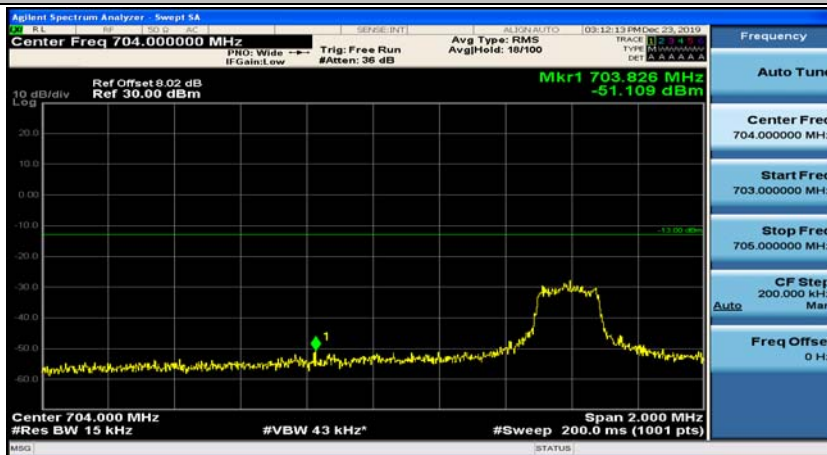
Channel Bandwidth: 10 MHz\_LCH\_16QAM\_1RB#0



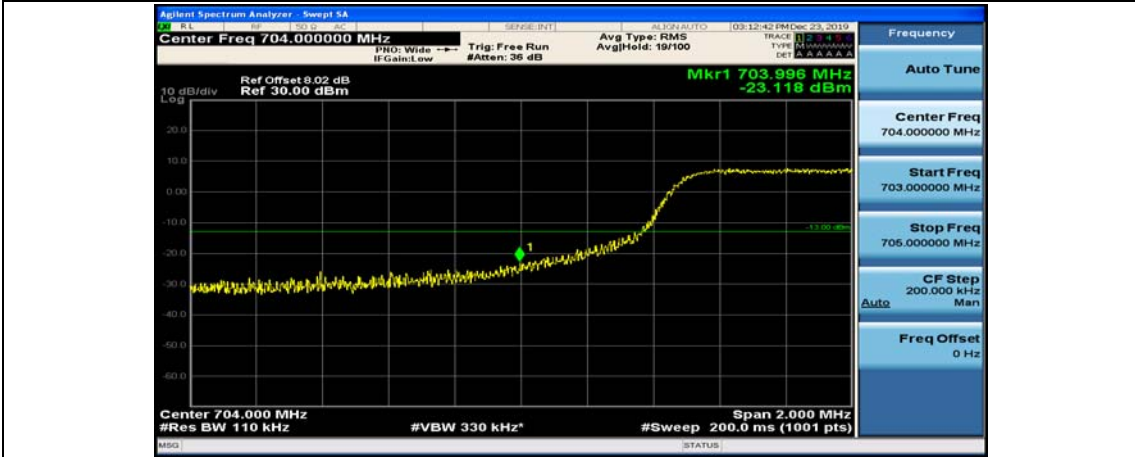
Channel Bandwidth: 10 MHz\_LCH\_16QAM\_1RB#24



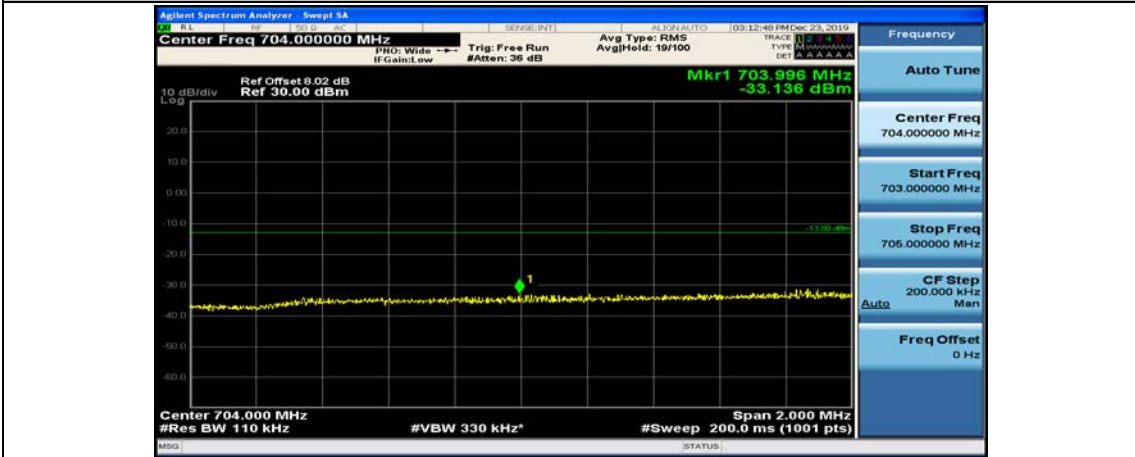
Channel Bandwidth: 10 MHz\_LCH\_16QAM\_1RB#49



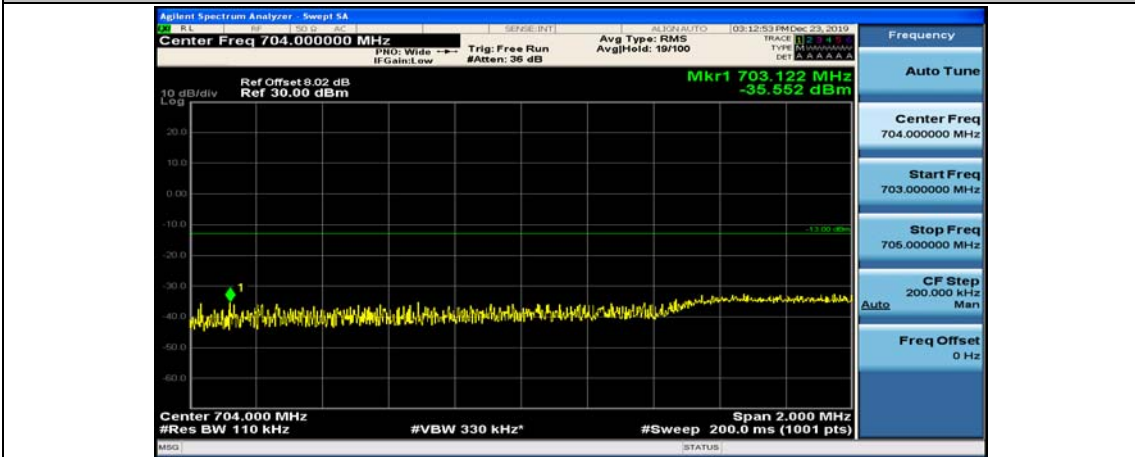
Channel Bandwidth: 10 MHz\_LCH\_16QAM\_25RB#0



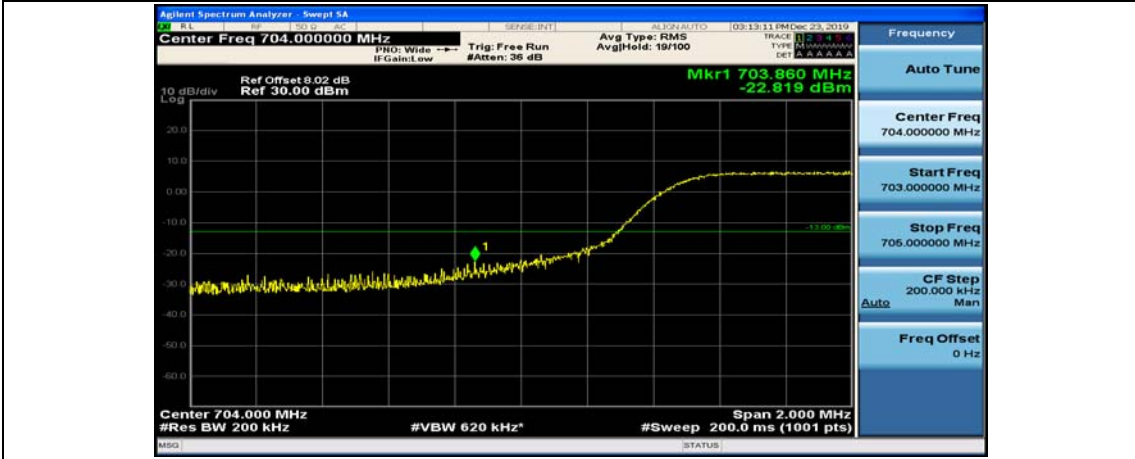
Channel Bandwidth: 10 MHz\_LCH\_16QAM\_25RB#12



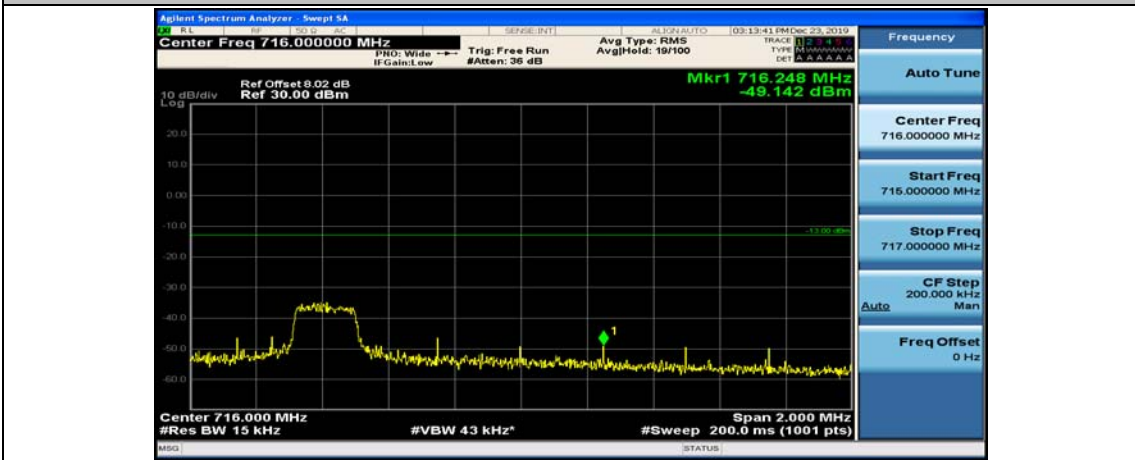
Channel Bandwidth: 10 MHz\_LCH\_16QAM\_25RB#25



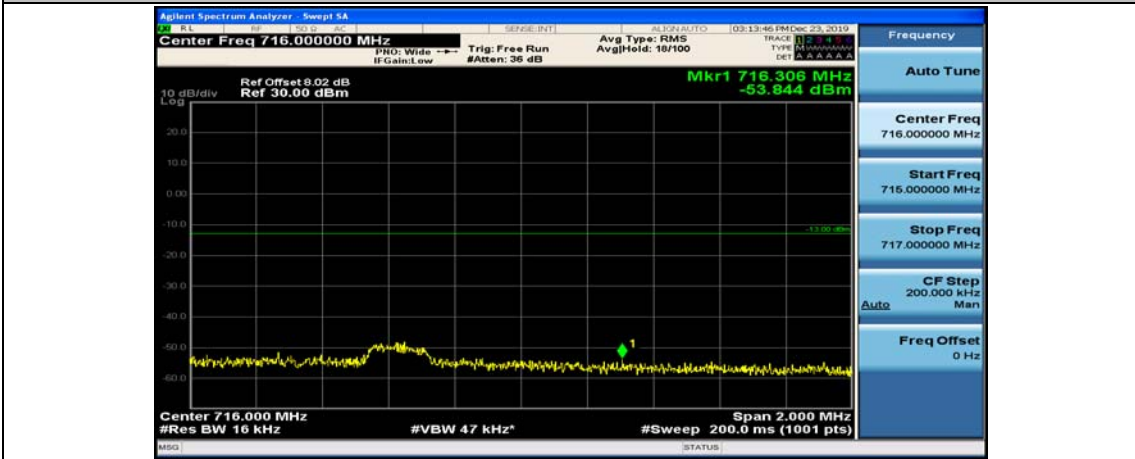
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Channel Bandwidth: 10 MHz\_HCH\_16QAM\_1RB#0



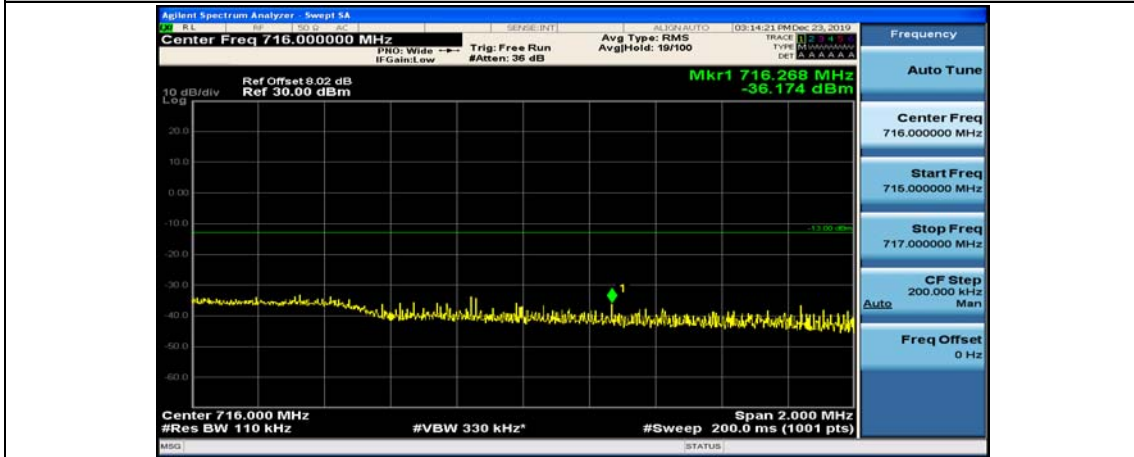
Channel Bandwidth: 10 MHz\_HCH\_16QAM\_1RB#24



Channel Bandwidth: 10 MHz\_HCH\_16QAM\_1RB#49



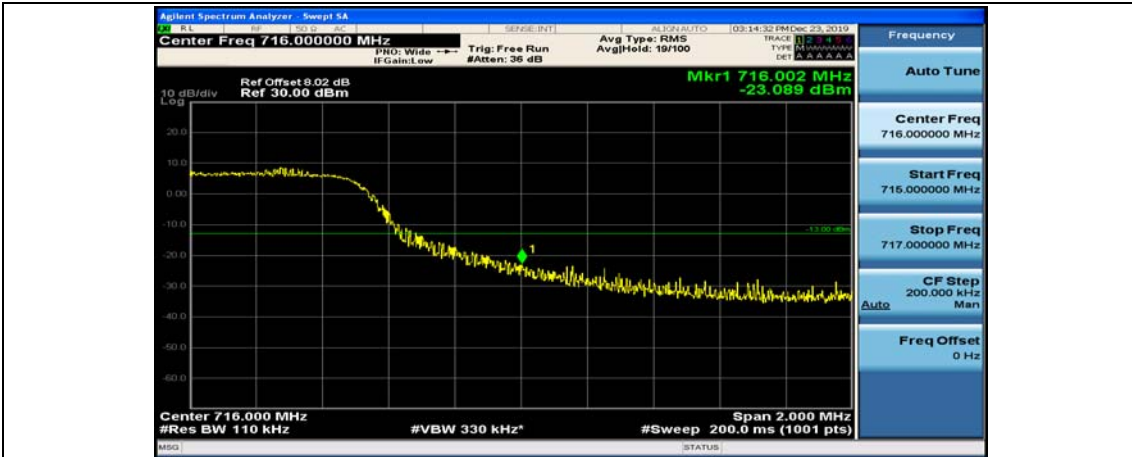
Channel Bandwidth: 10 MHz\_HCH\_16QAM\_25RB#0



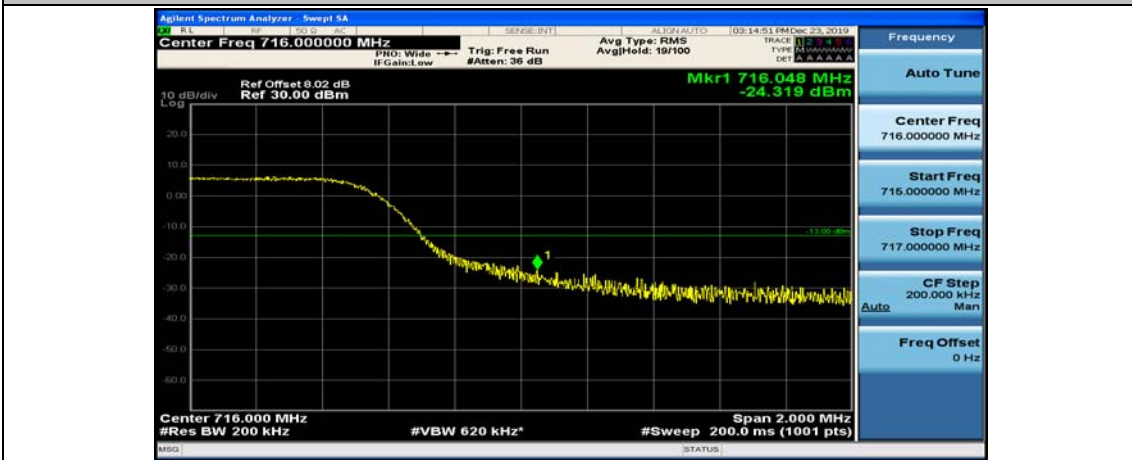
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Channel Bandwidth: 10 MHz\_HCH\_16QAM\_25RB#25



Channel Bandwidth: 10 MHz\_HCH\_16QAM\_50RB#0

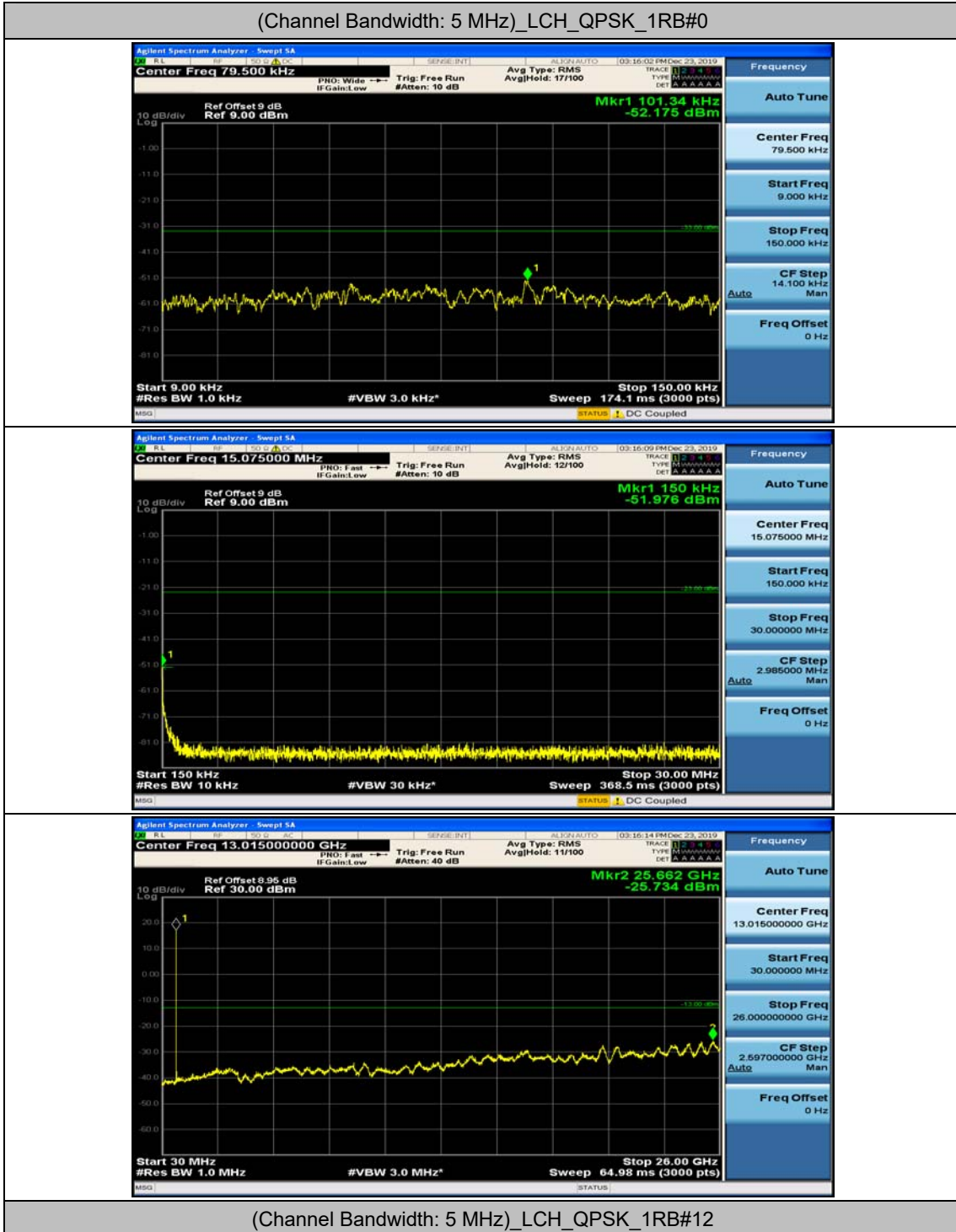


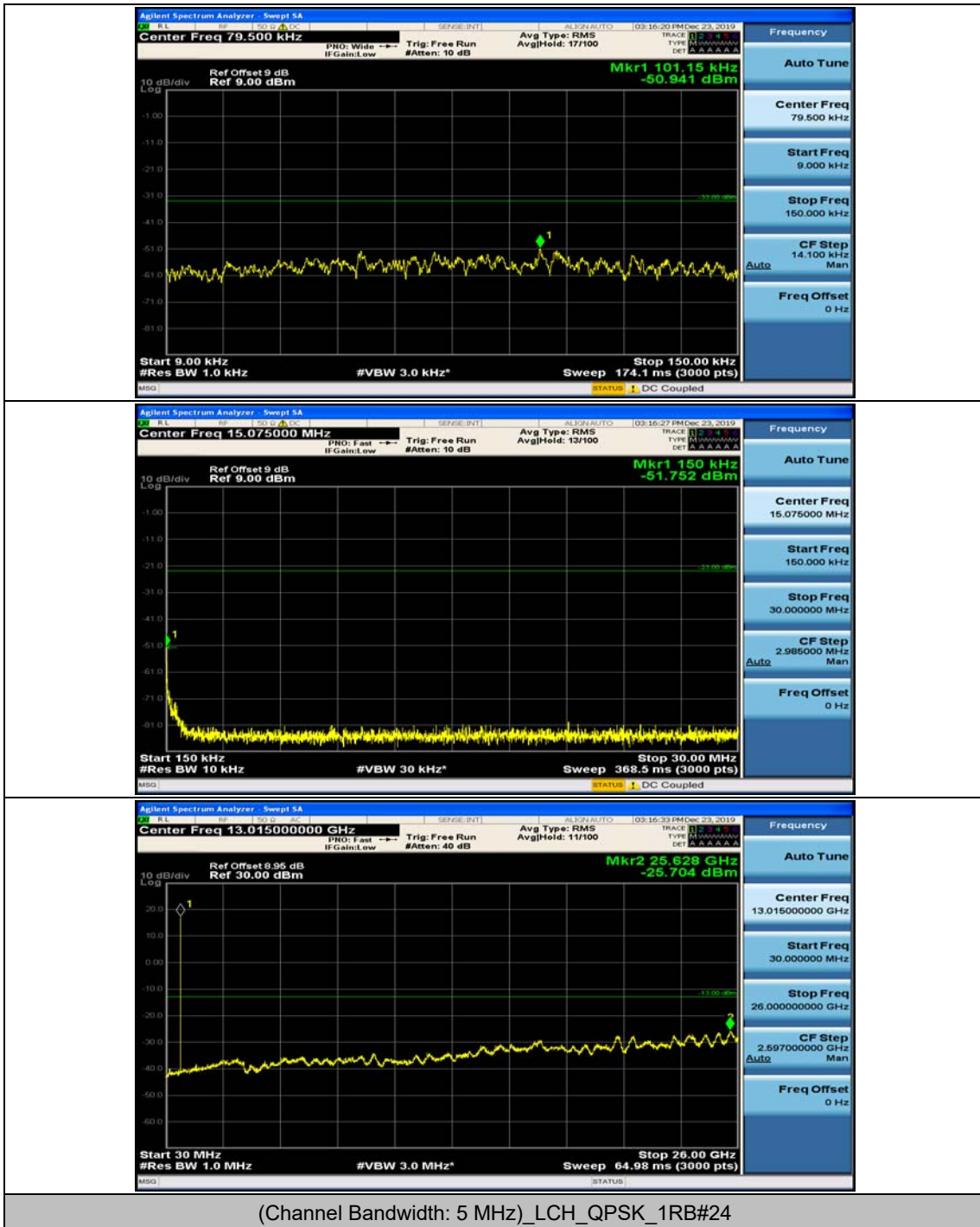


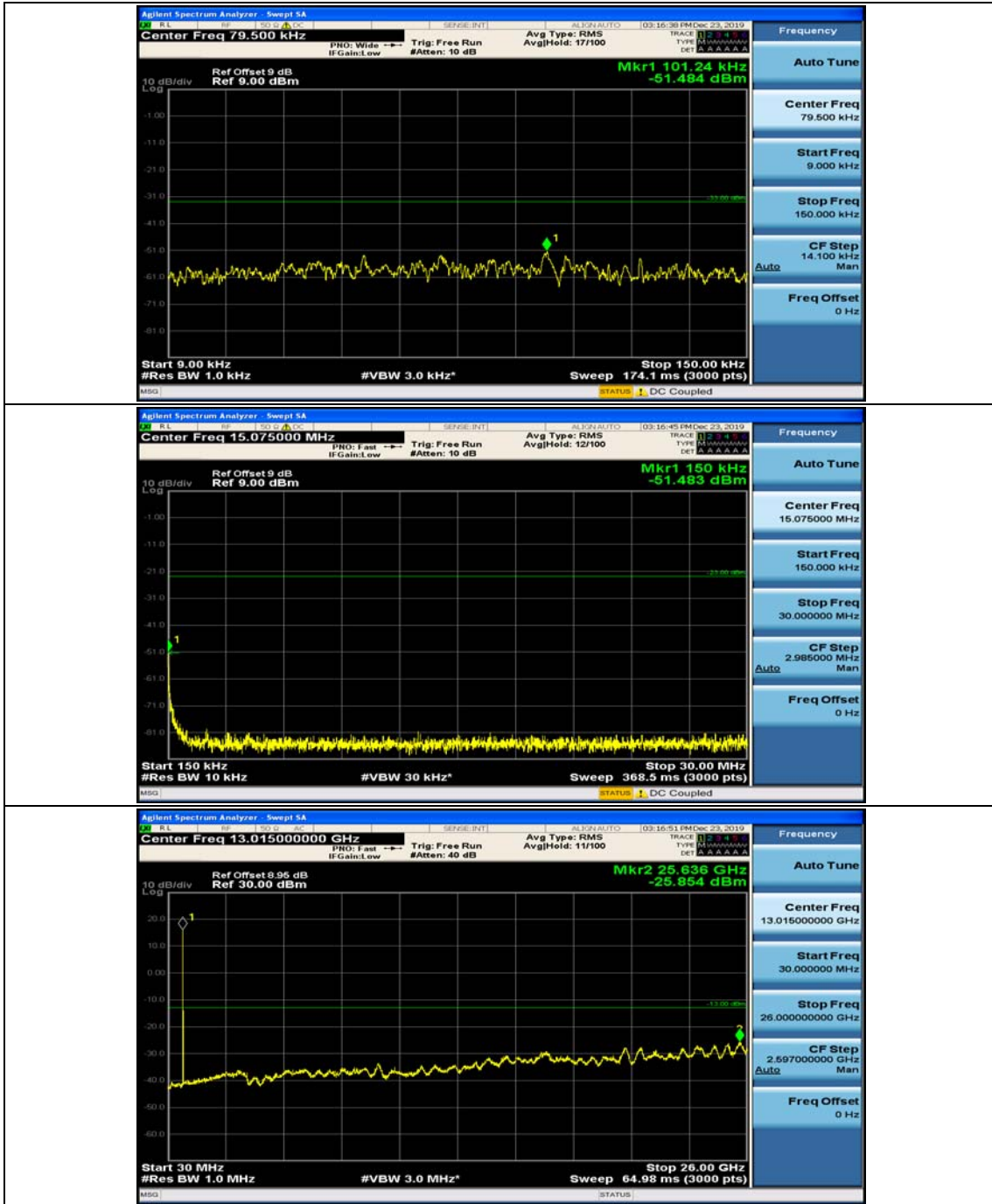
## Appendix E: Conducted Spurious Emission

### Test Graphs

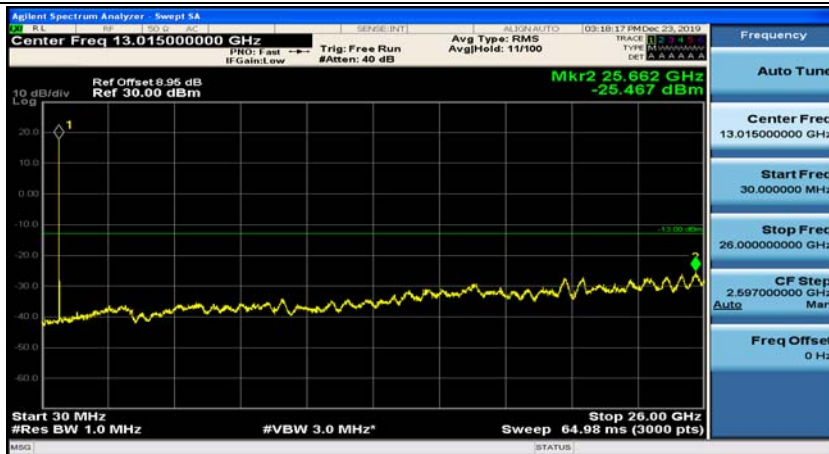
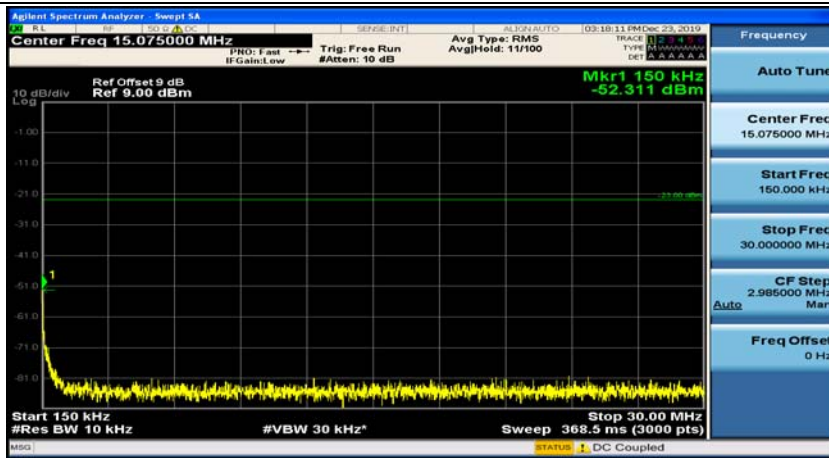
Channel Bandwidth: 5 MHz



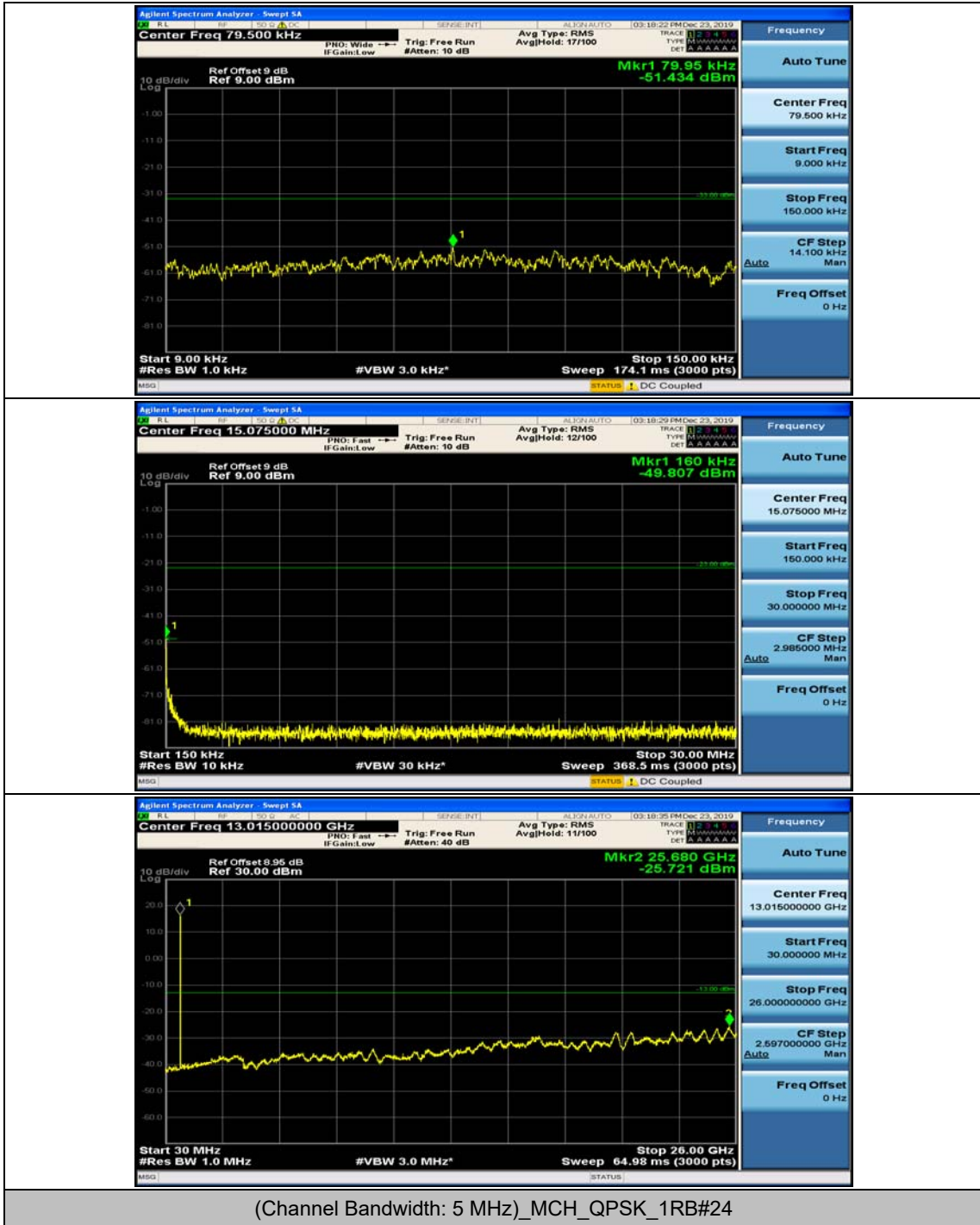


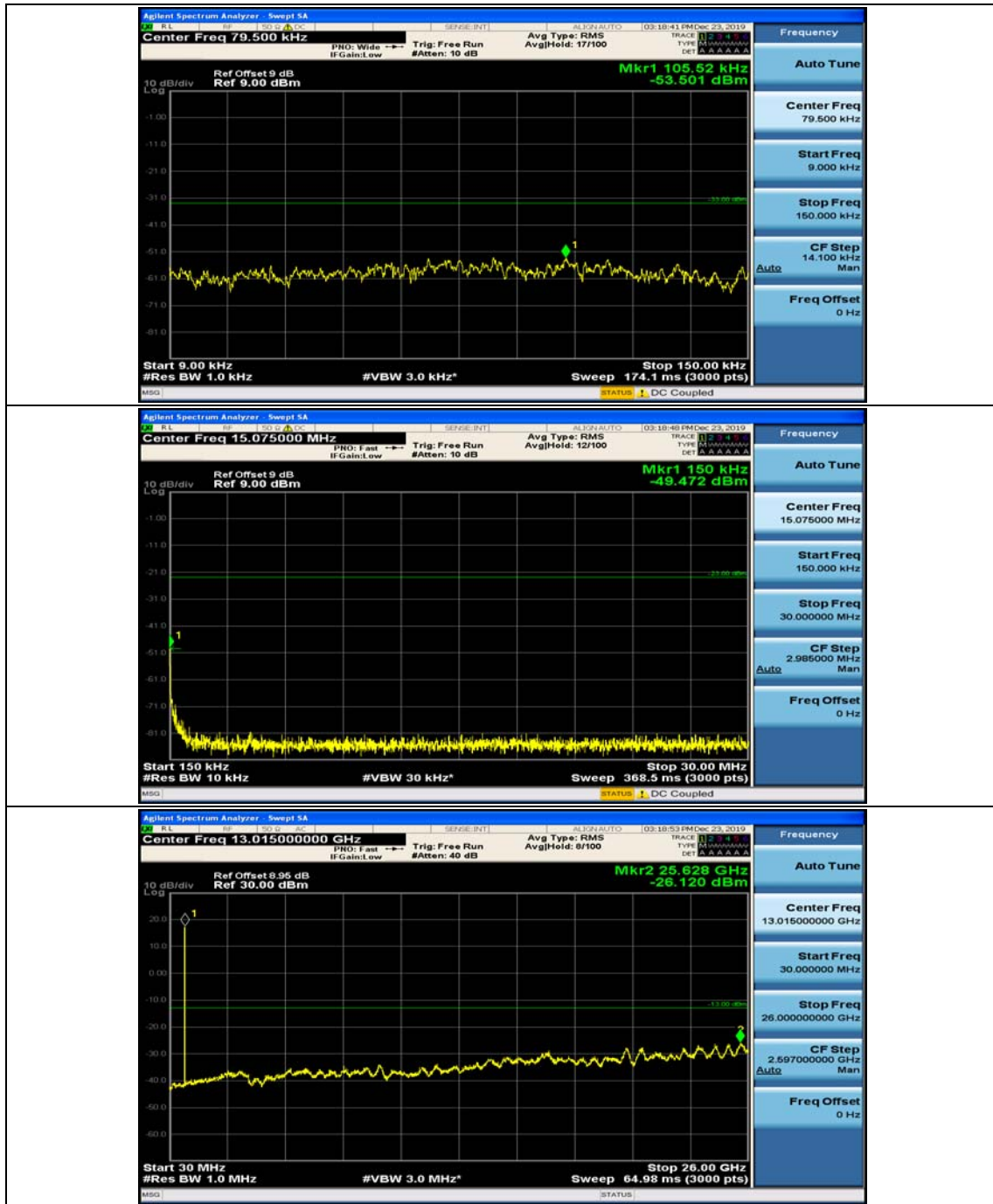


(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#0

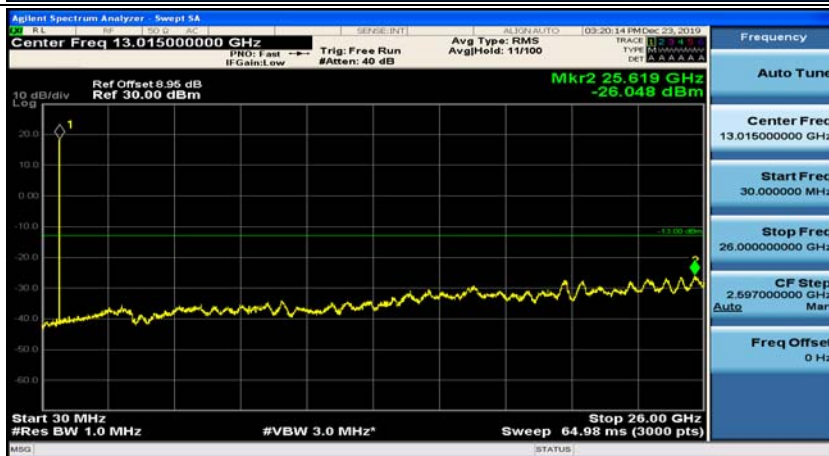
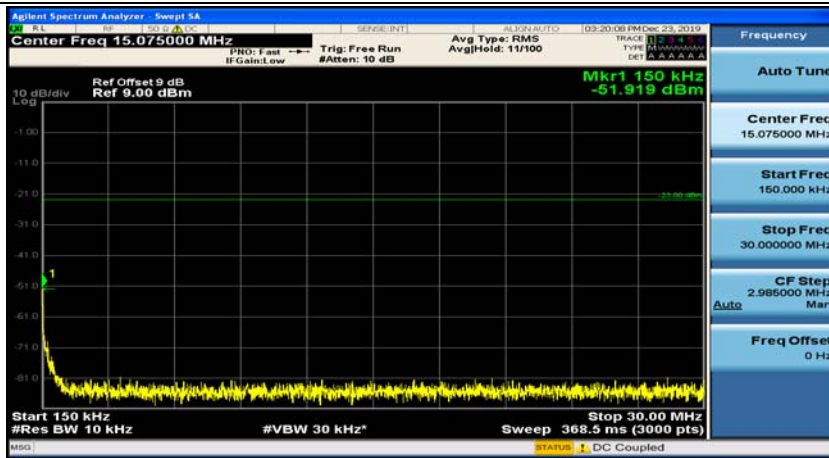
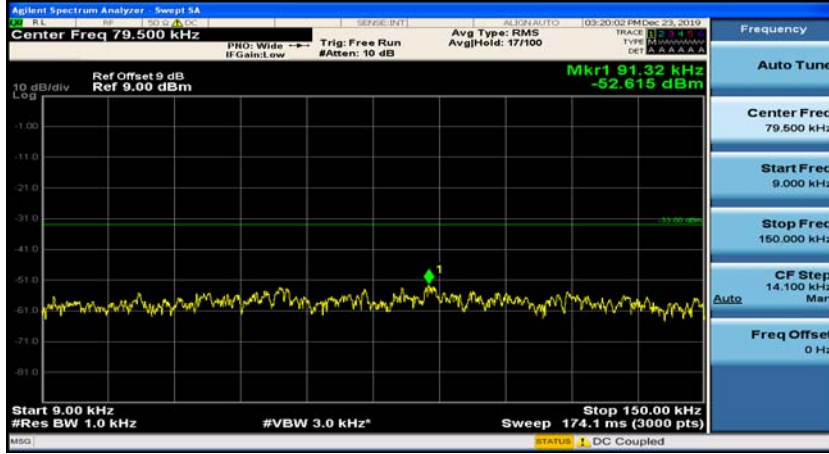


(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#12

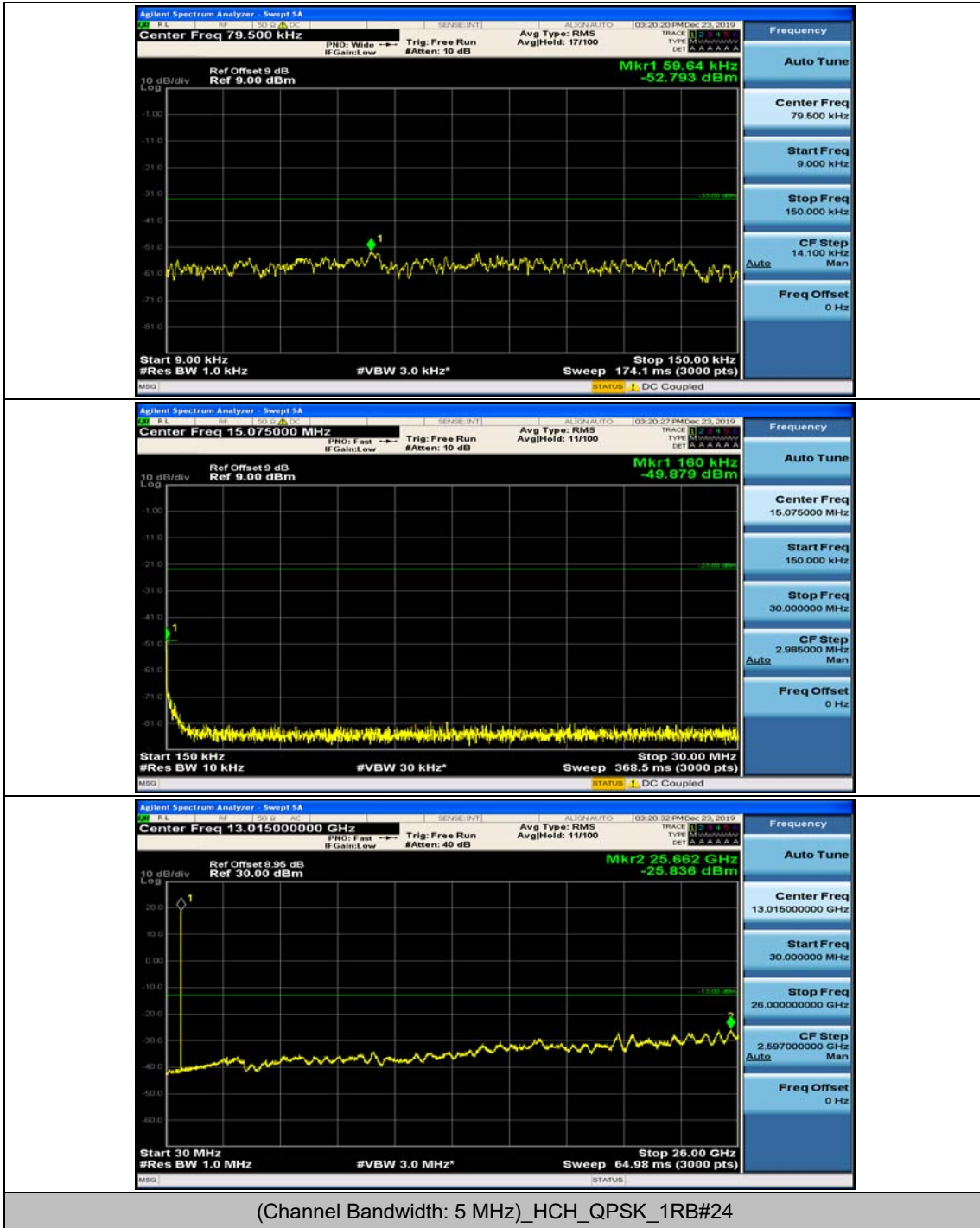




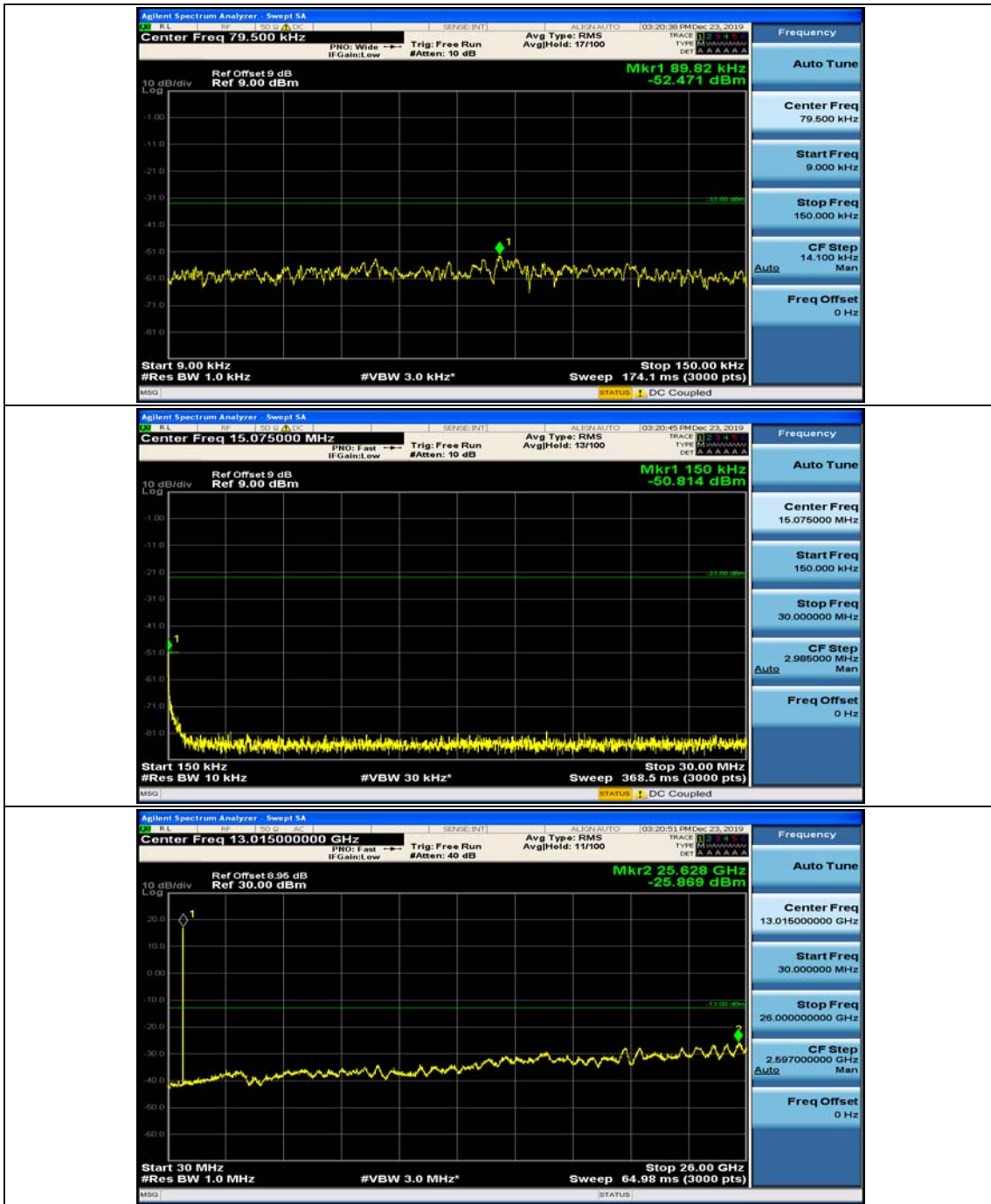
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#0



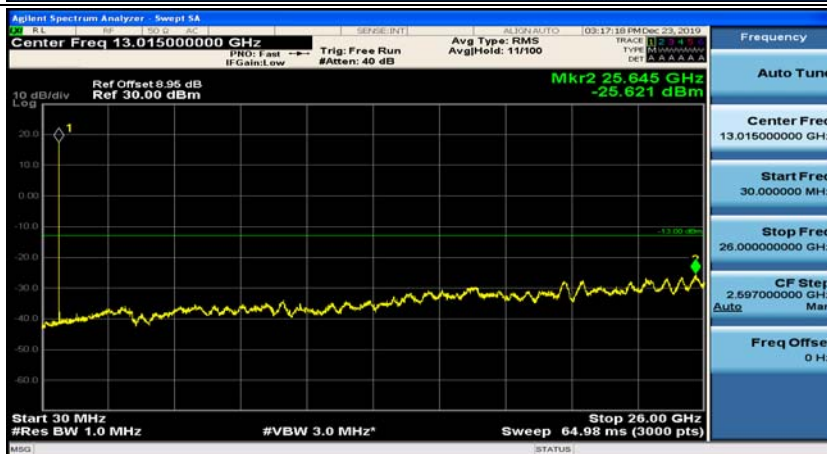
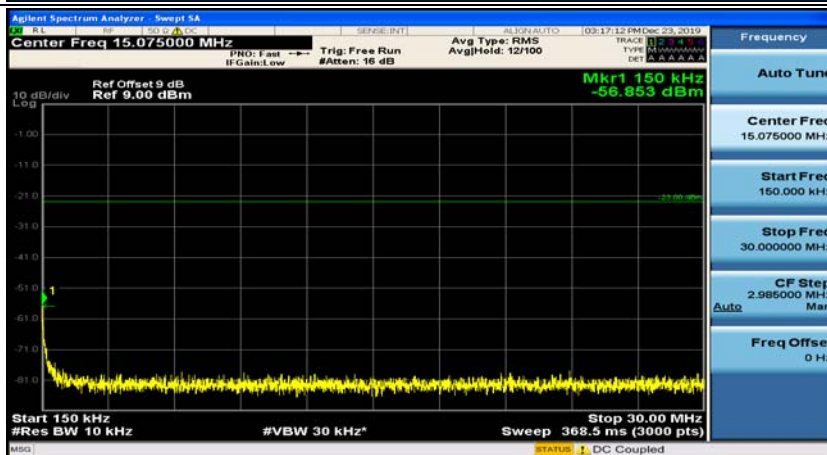
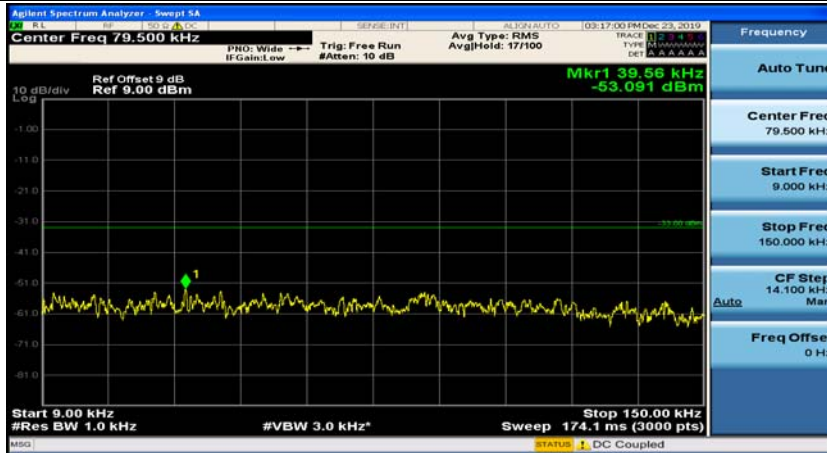
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#12



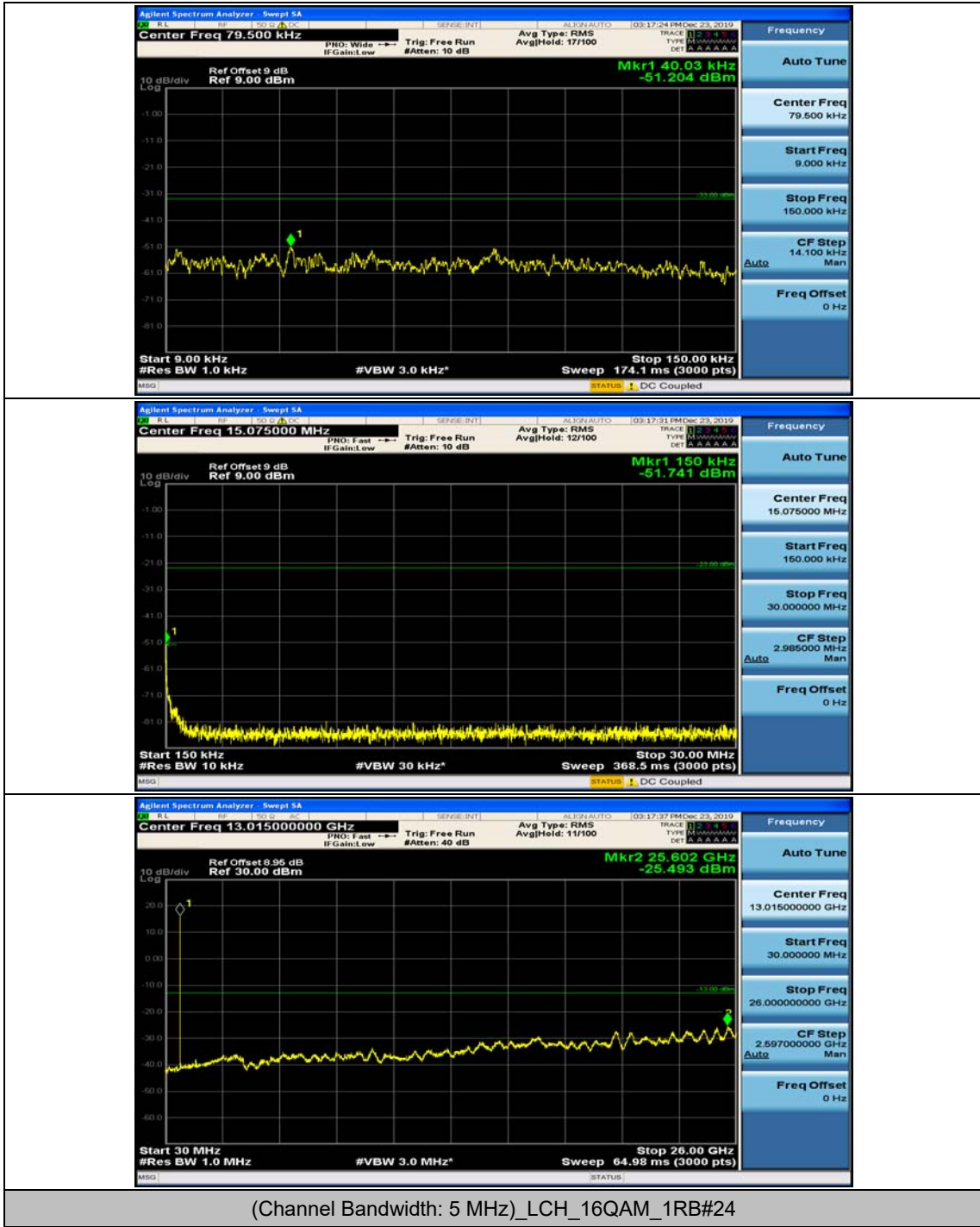


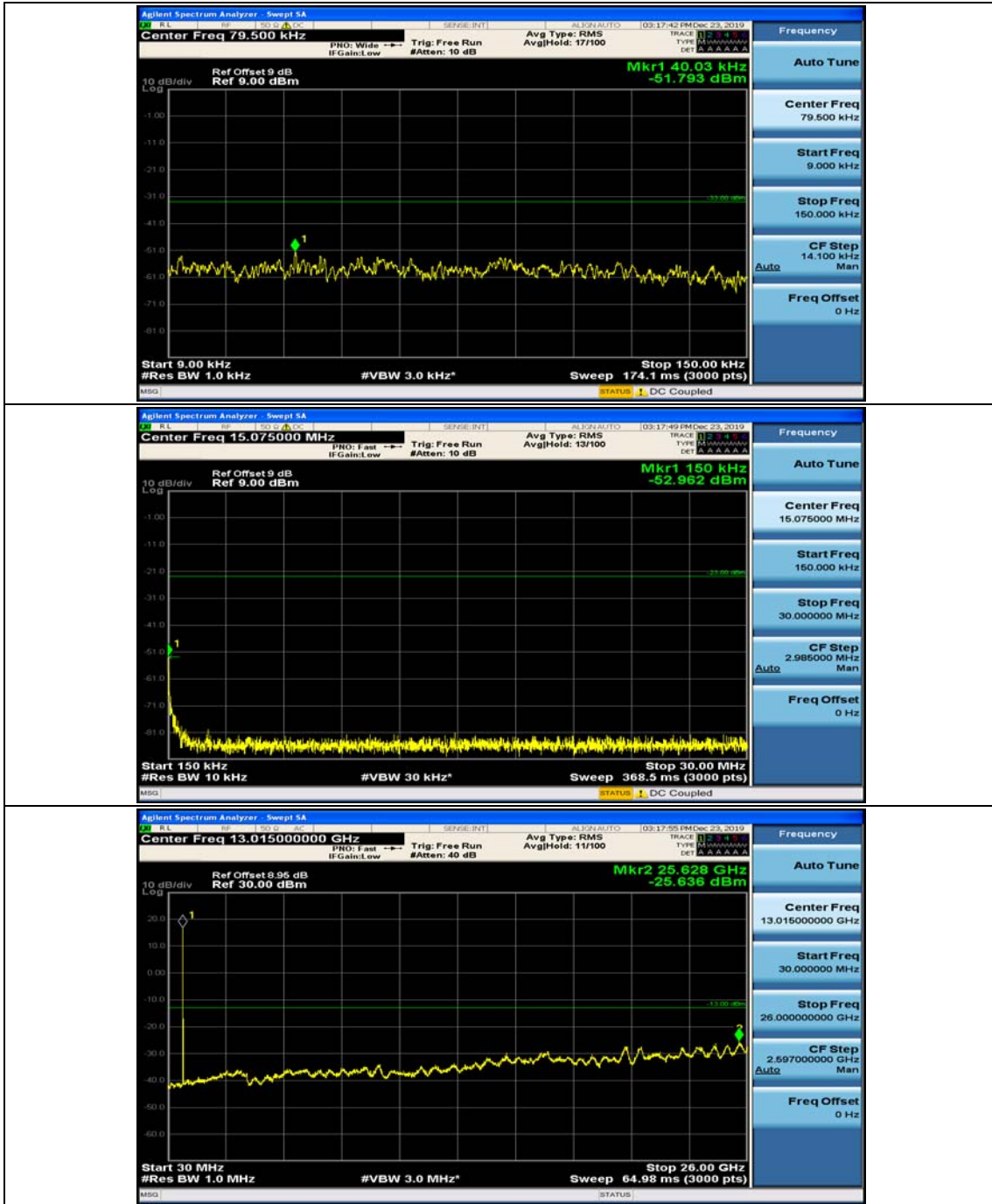


(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#0

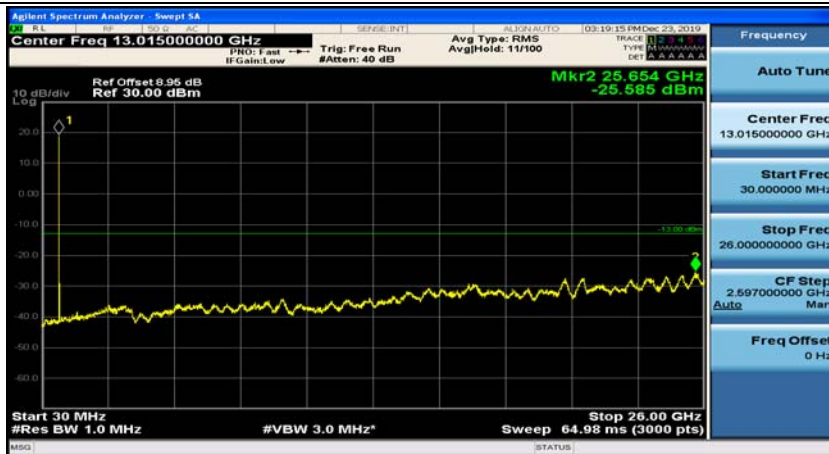
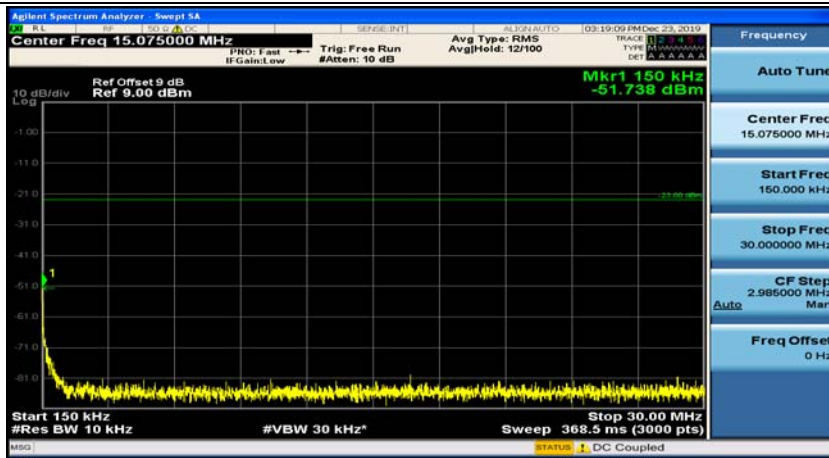
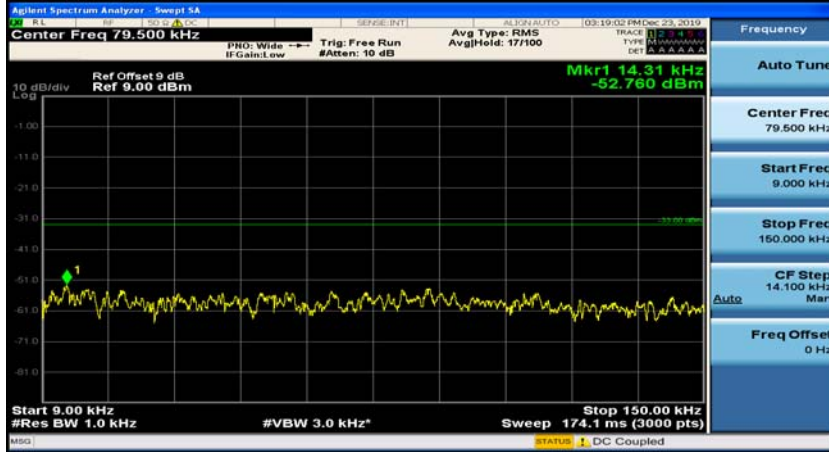


(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#12

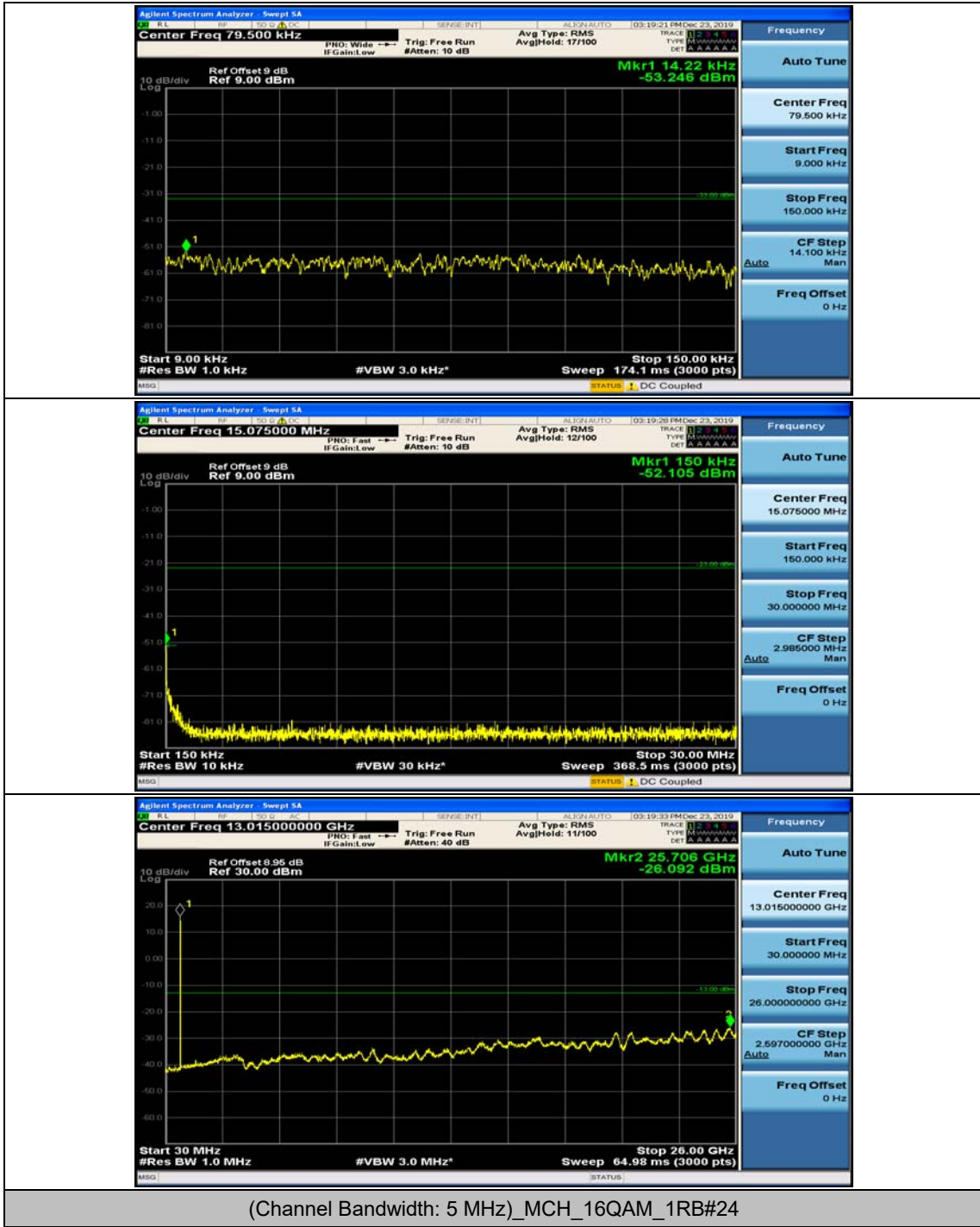


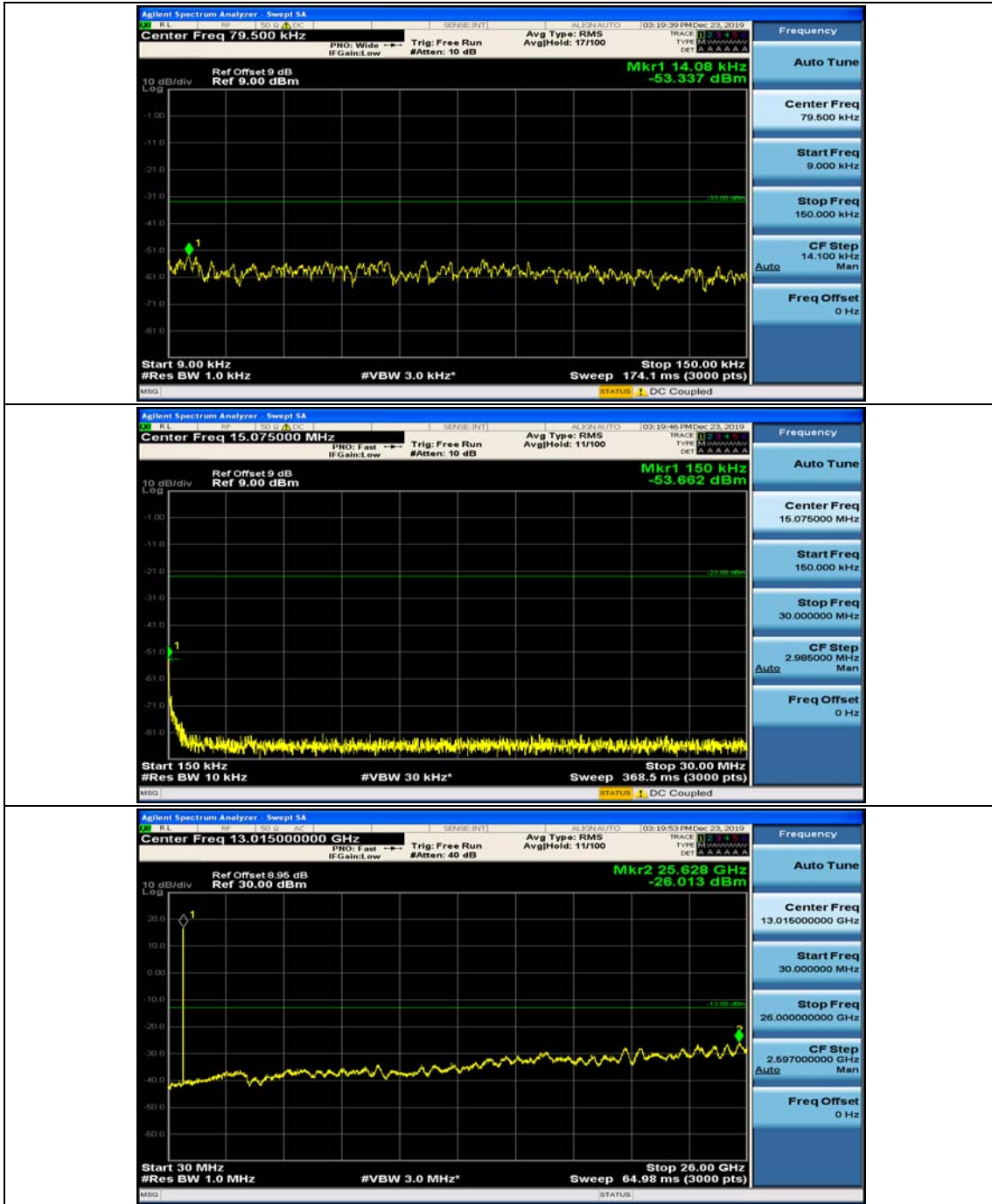


(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#0

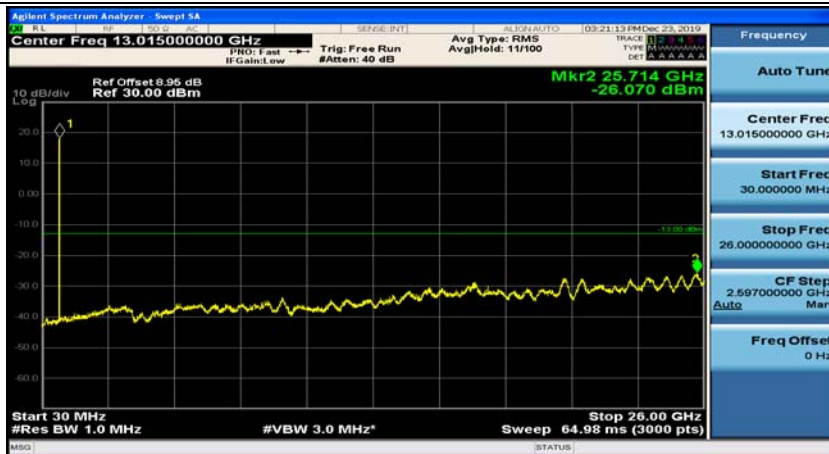
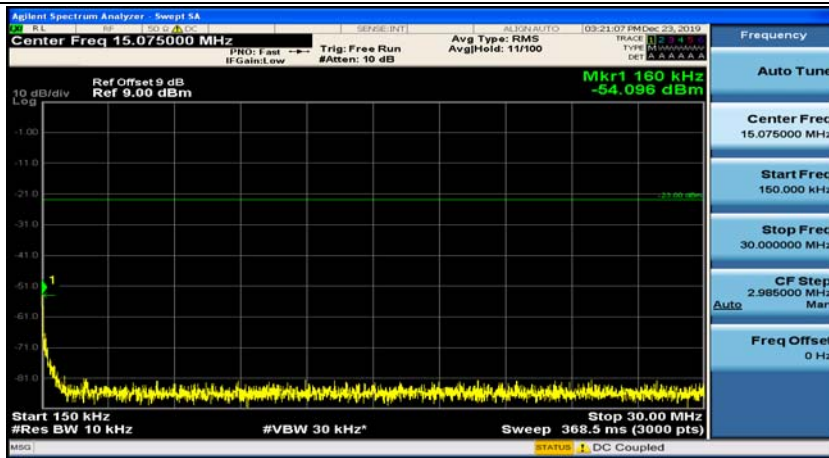


(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#12



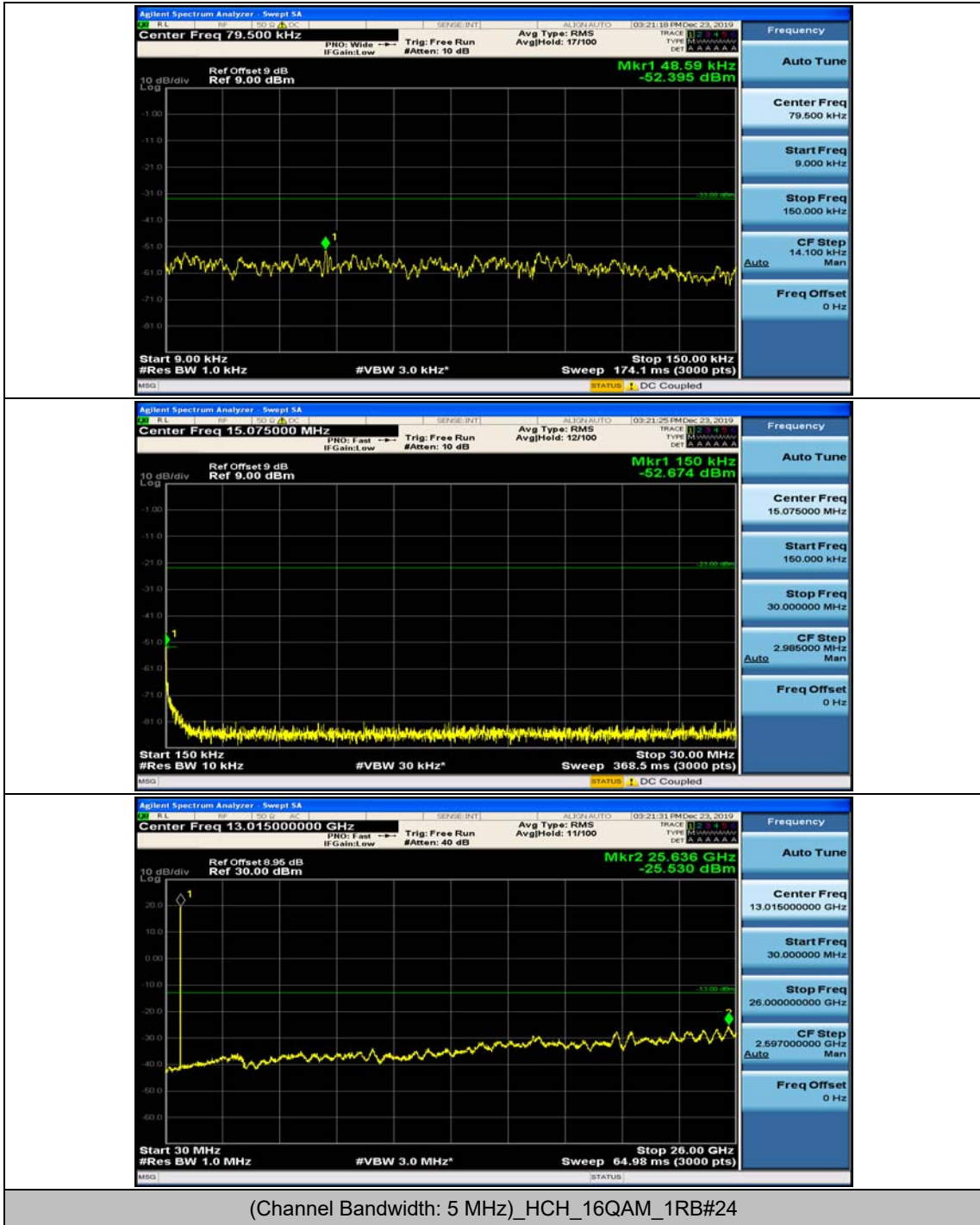


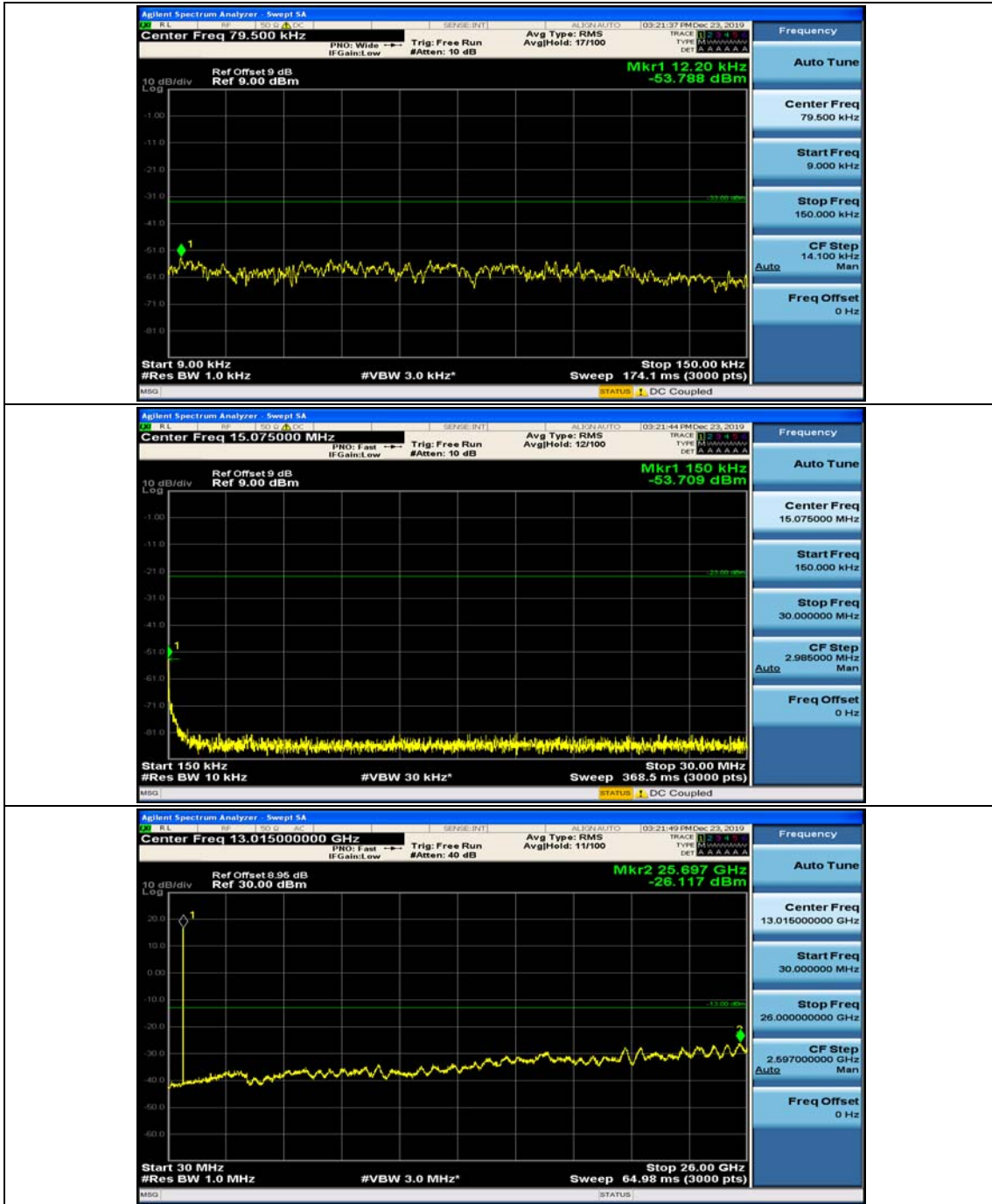
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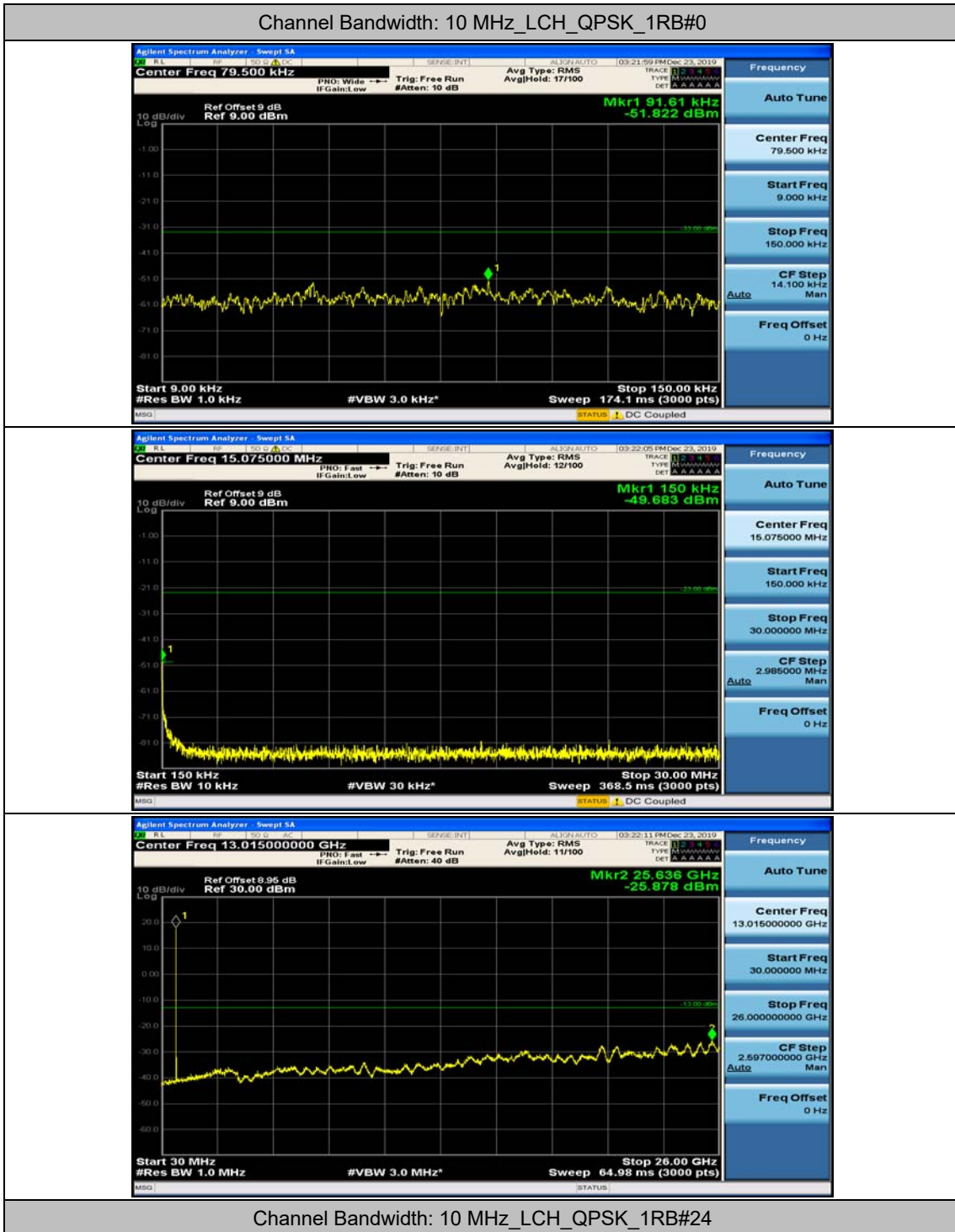
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#12

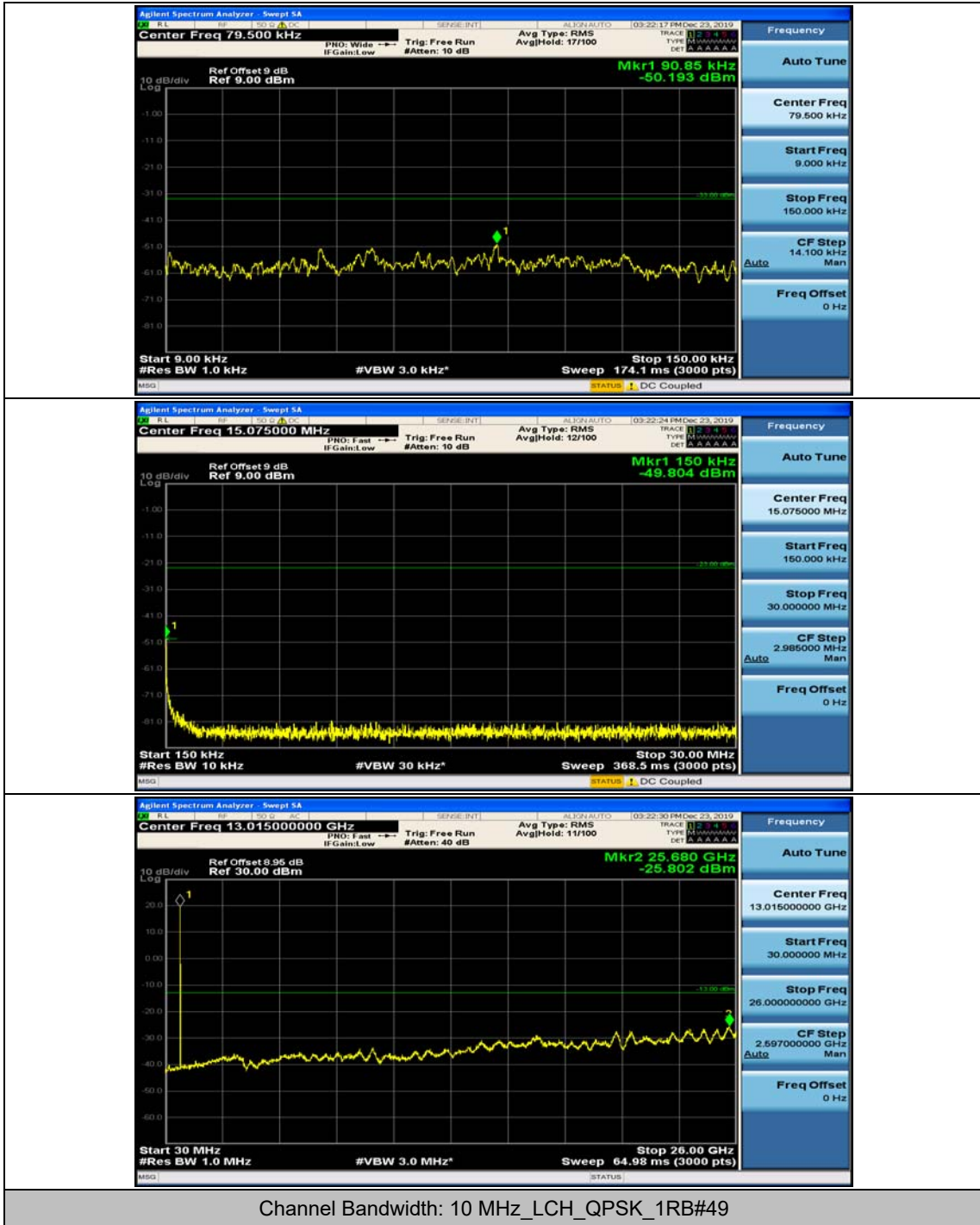


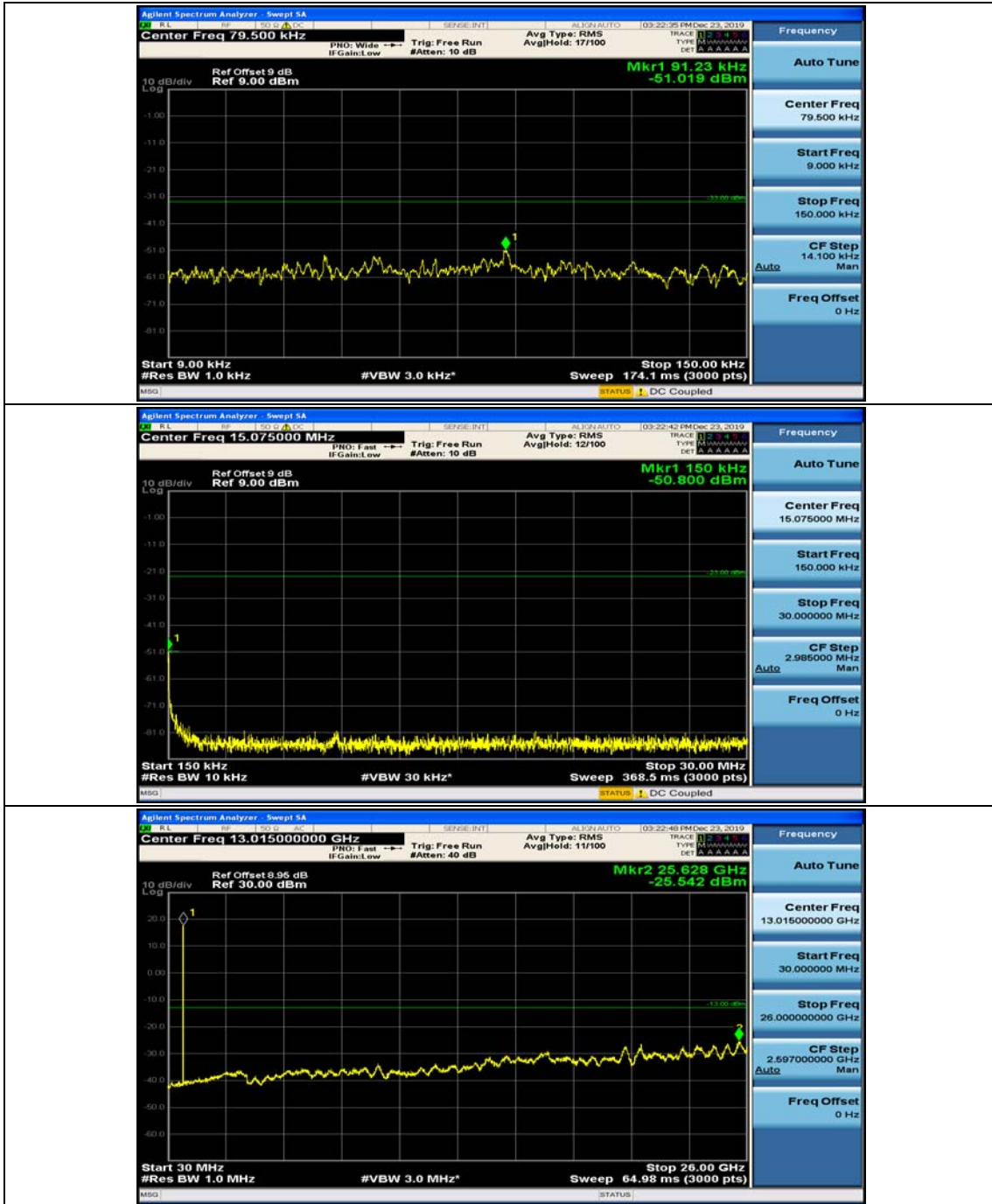




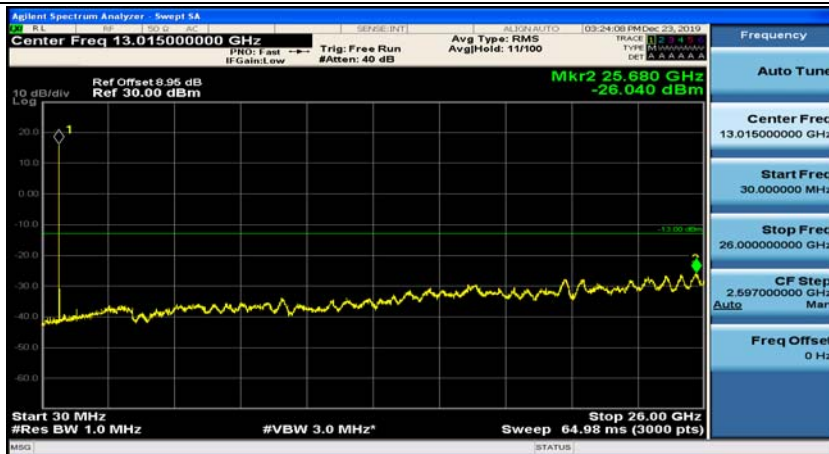
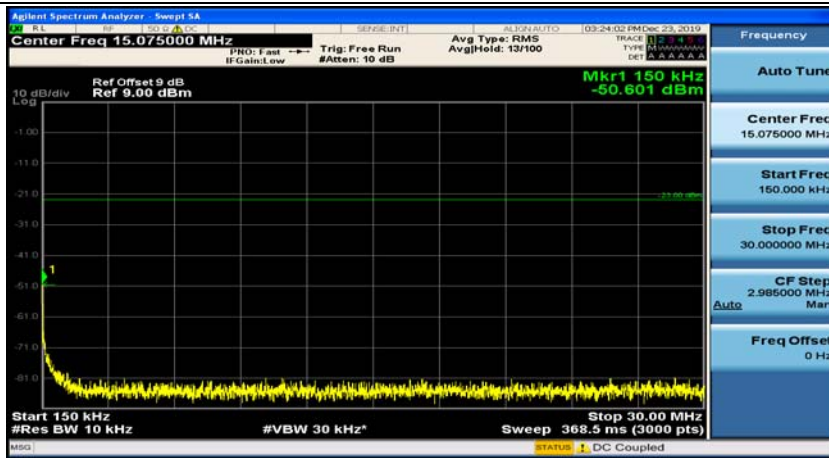
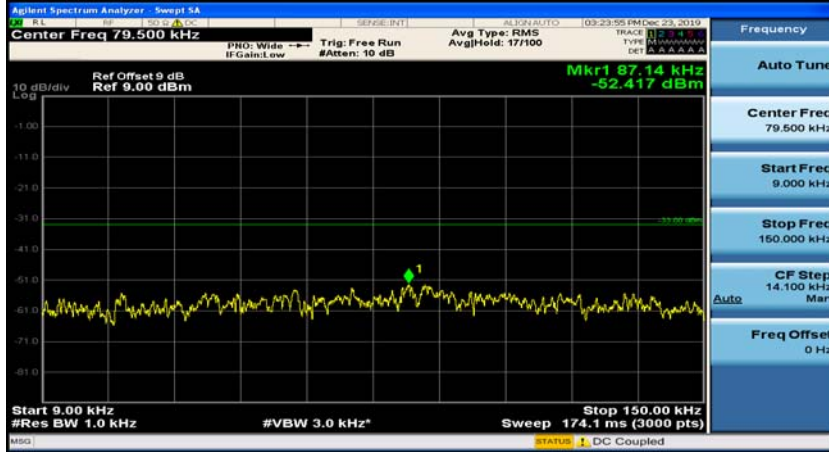
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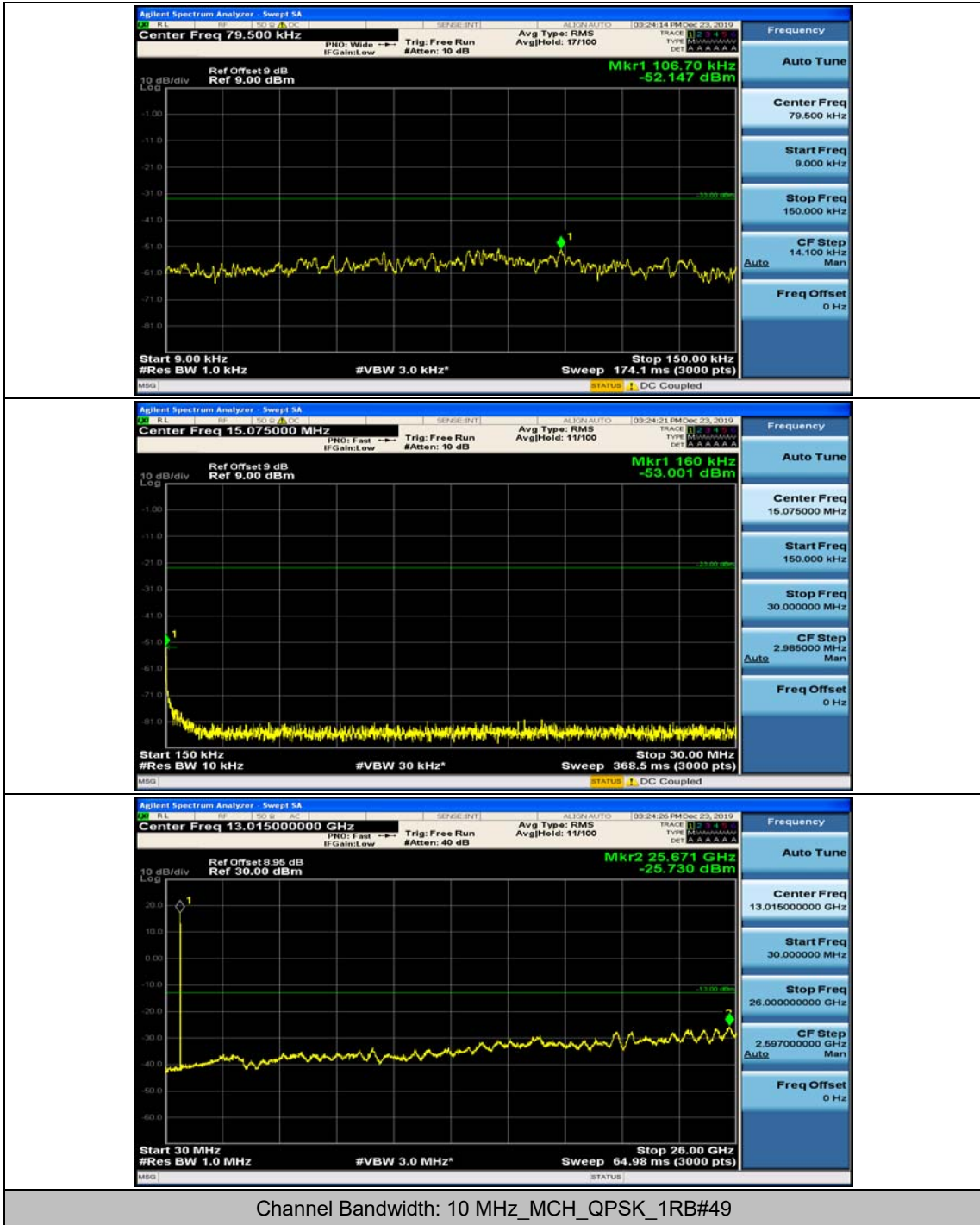


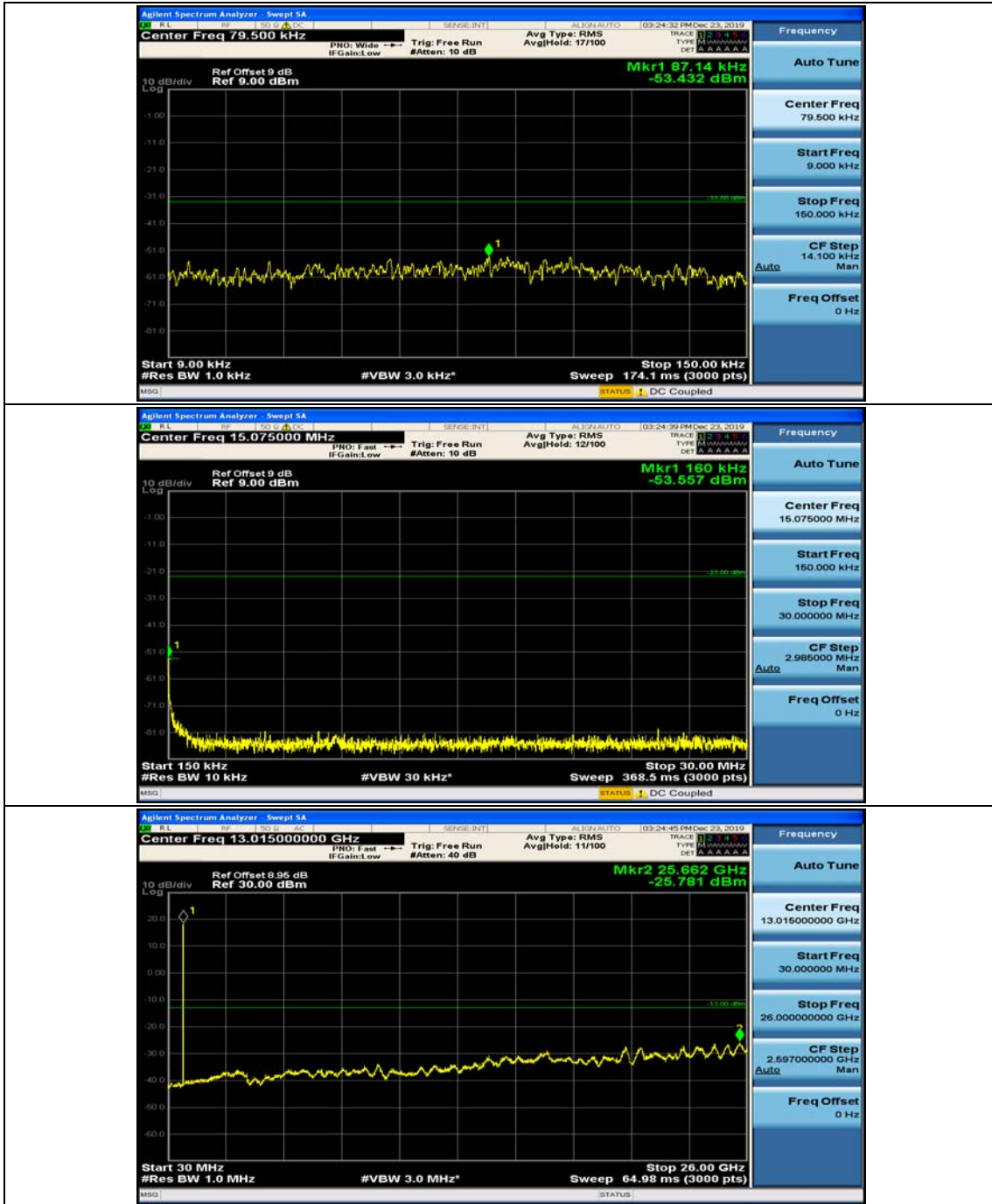


Channel Bandwidth: 10 MHz\_MCH\_QPSK\_1RB#0



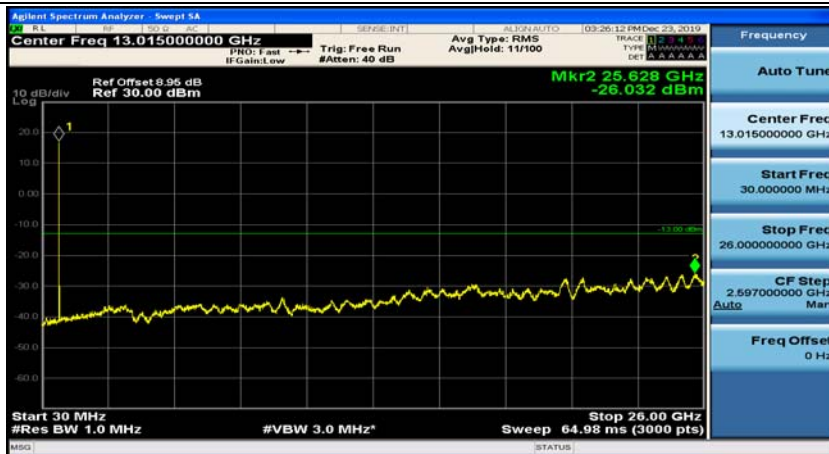
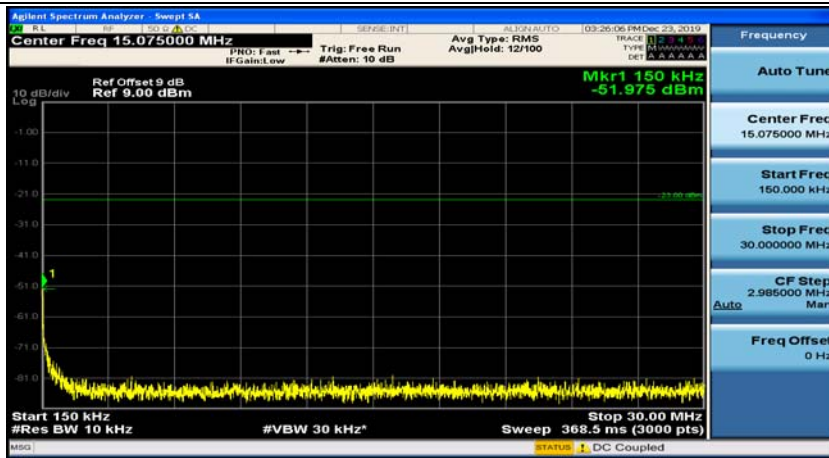
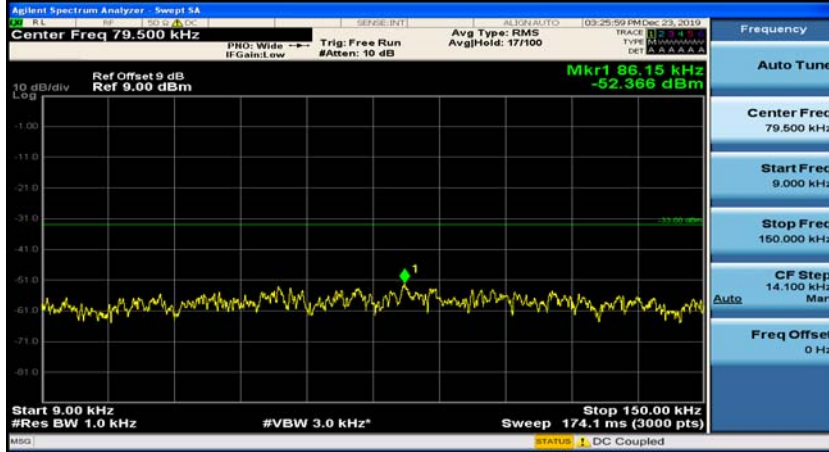
Channel Bandwidth: 10 MHz\_MCH\_QPSK\_1RB#24



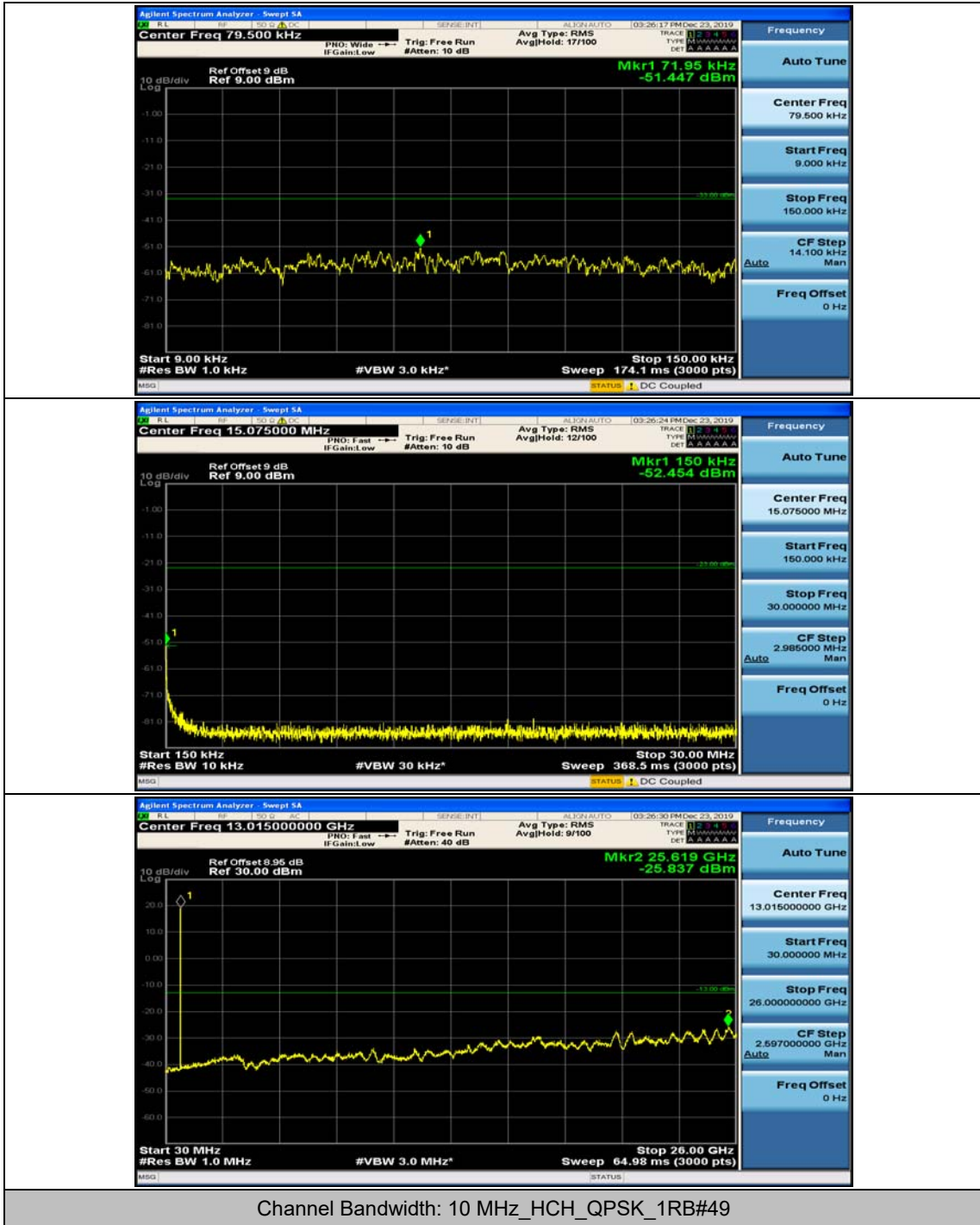


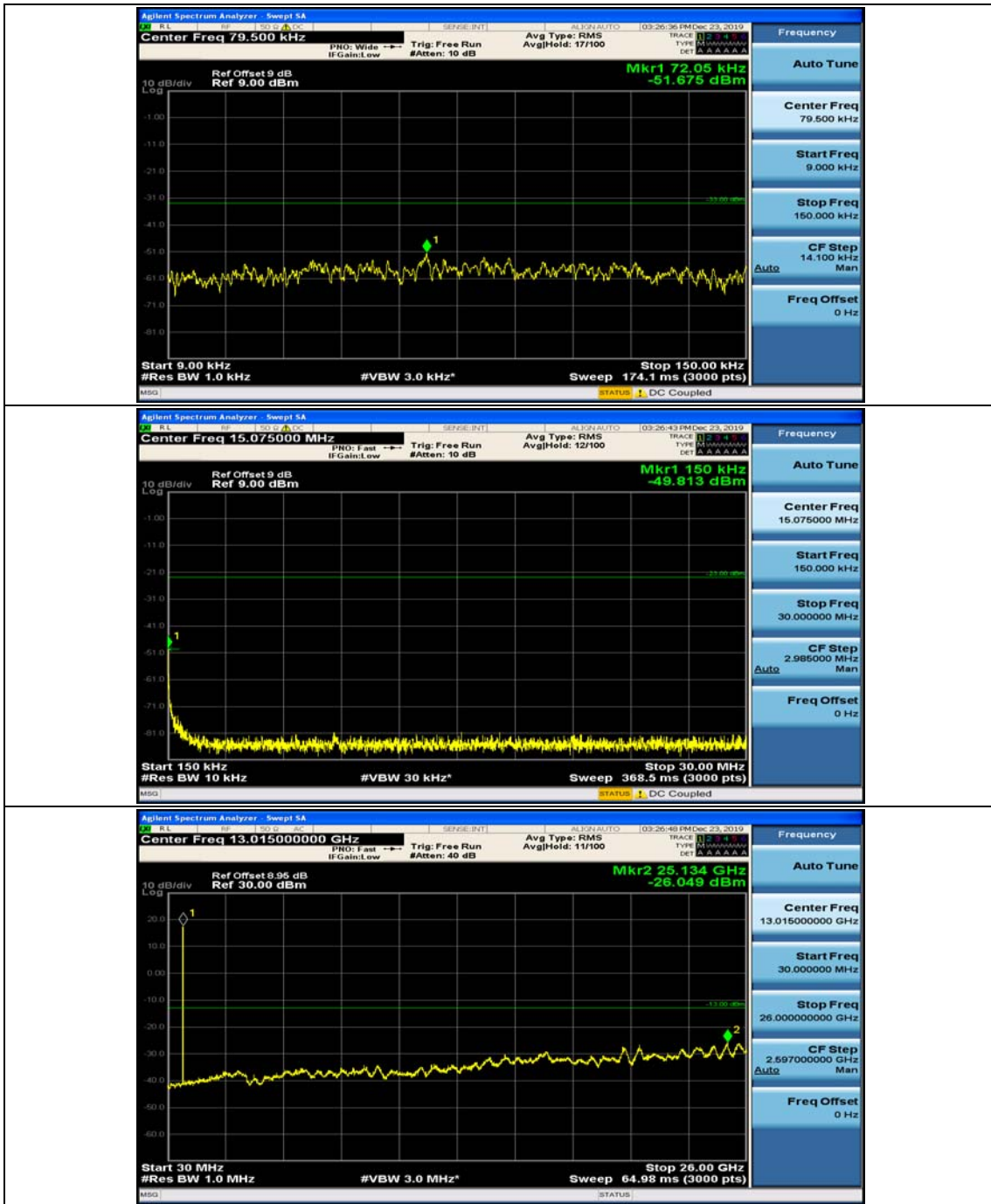


Channel Bandwidth: 10 MHz\_HCH\_QPSK\_1RB#0

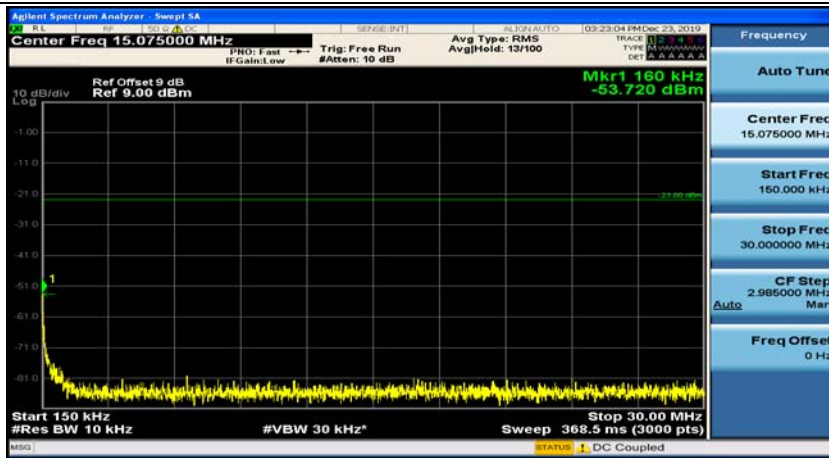
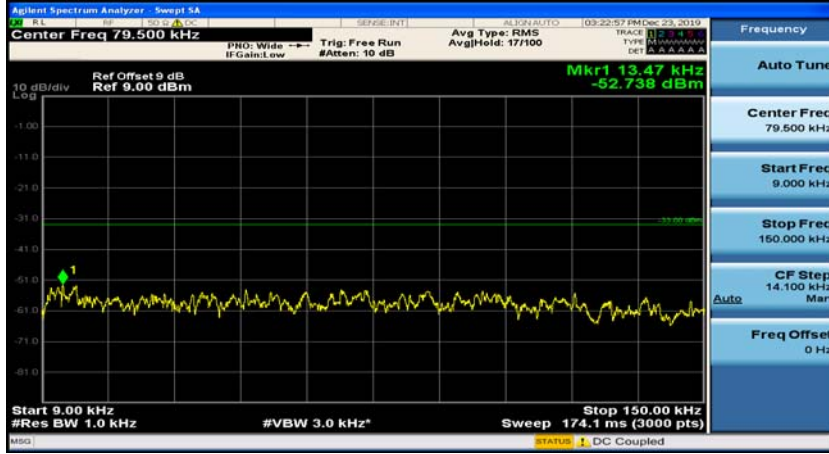


Channel Bandwidth: 10 MHz\_HCH\_QPSK\_1RB#24

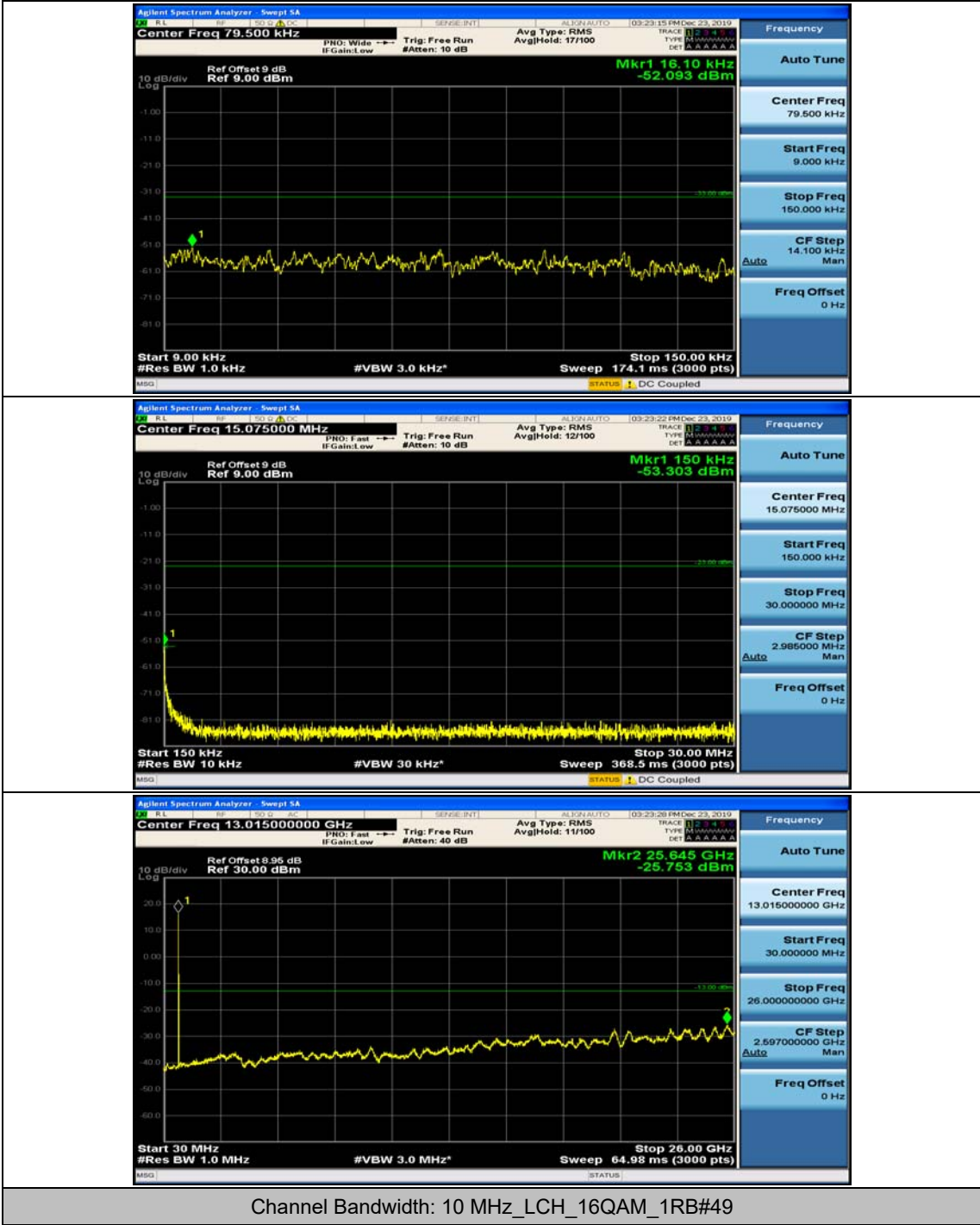


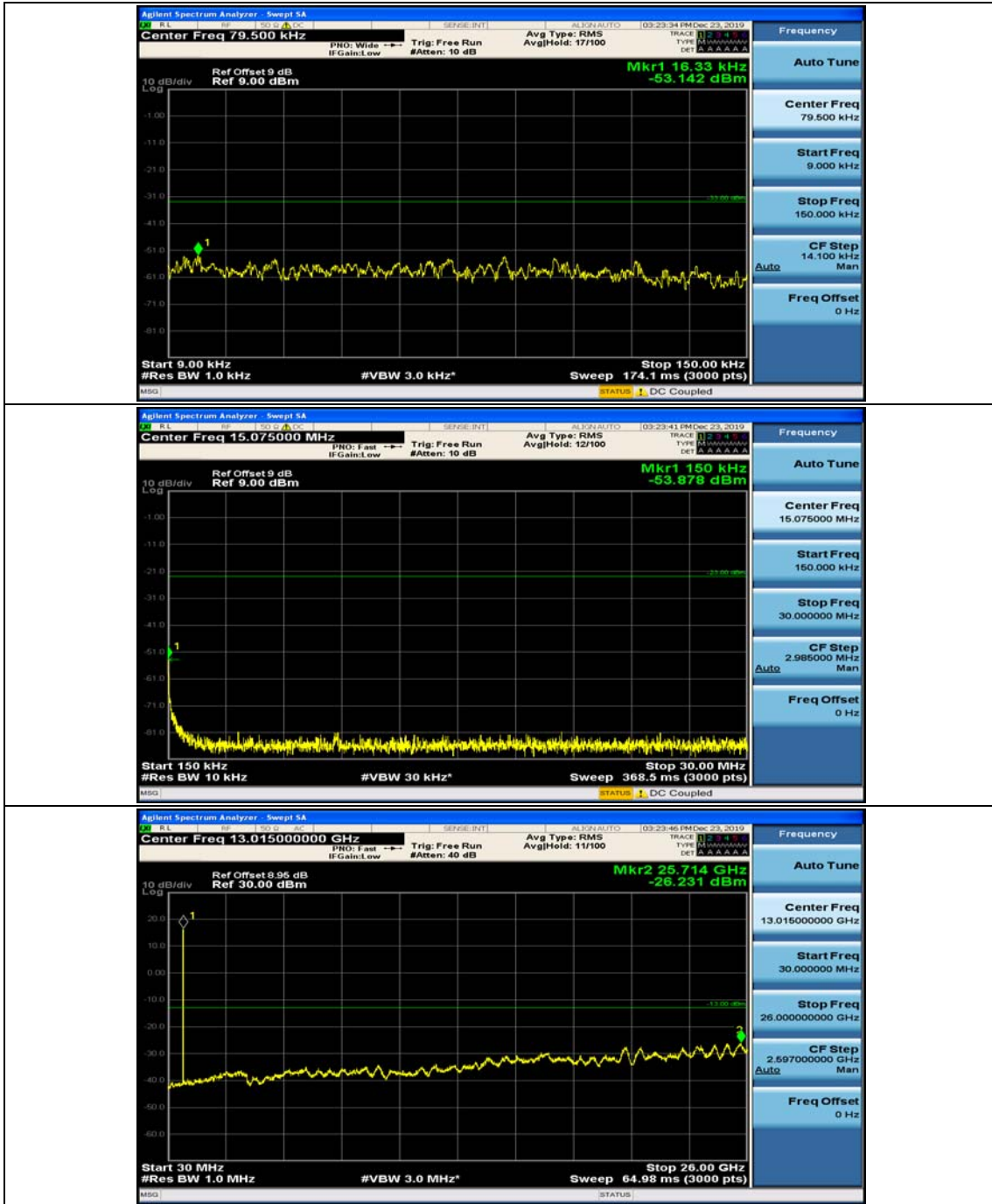


Channel Bandwidth: 10 MHz\_LCH\_16QAM\_1RB#0

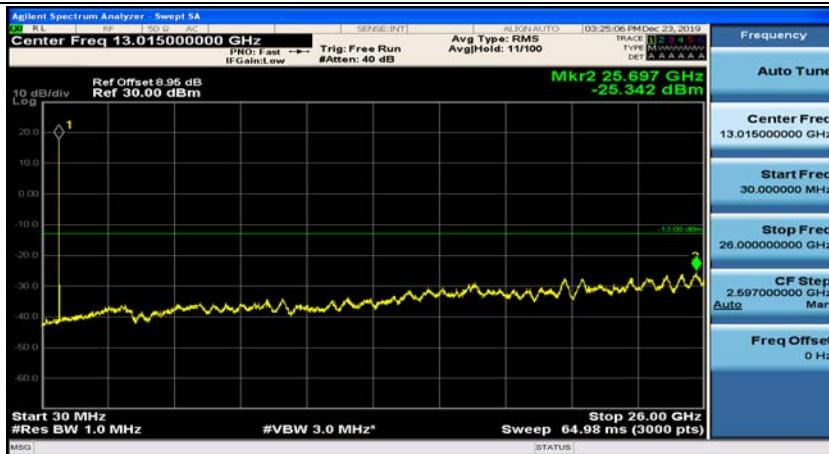
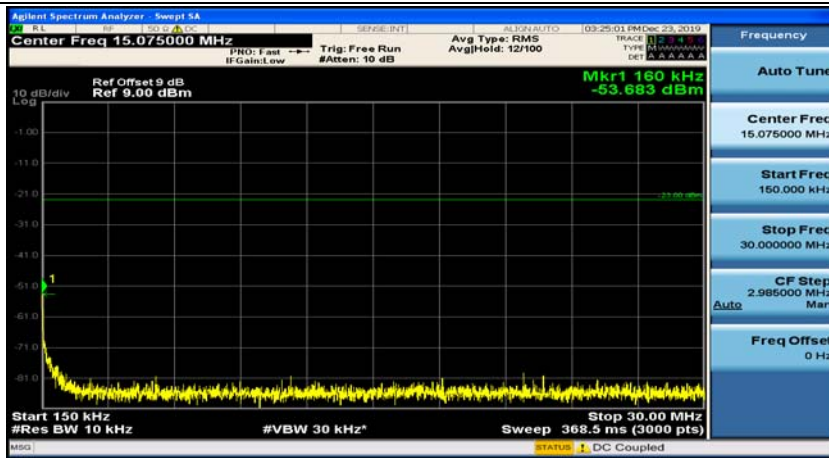
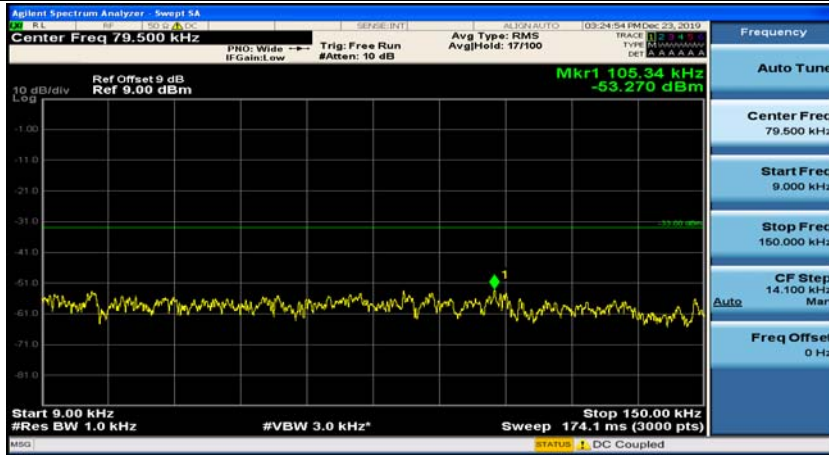


Channel Bandwidth: 10 MHz\_LCH\_16QAM\_1RB#24

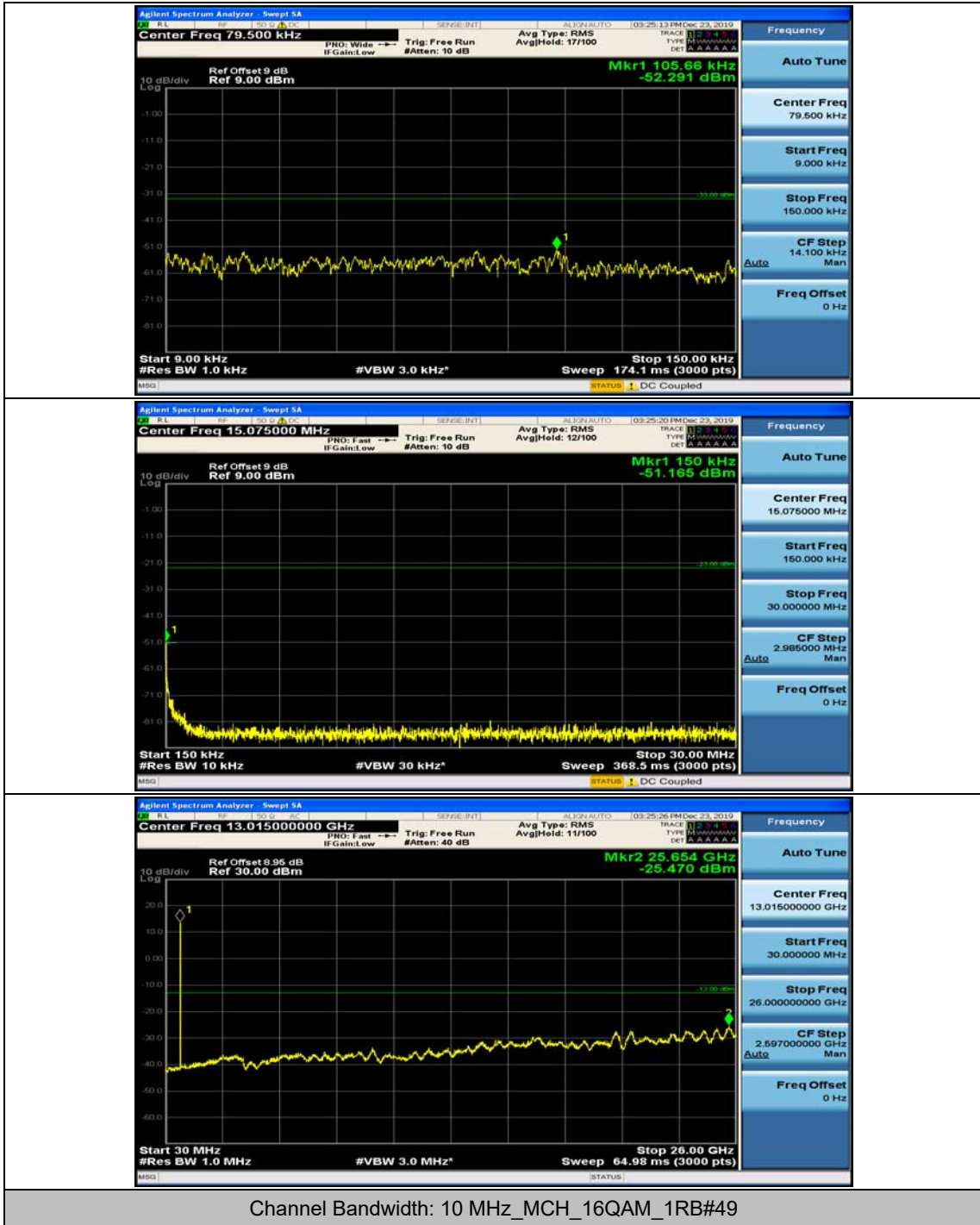




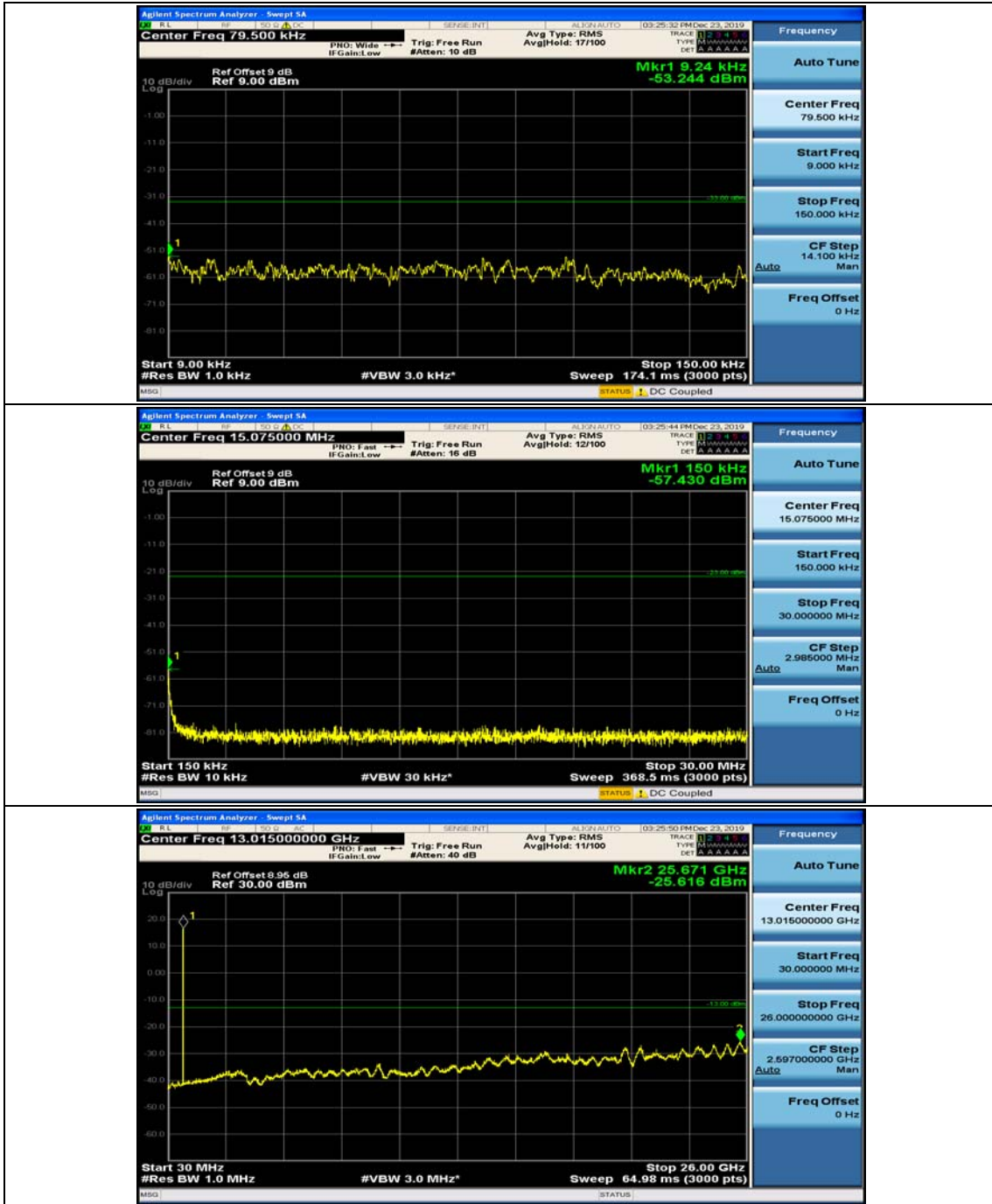
Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#0



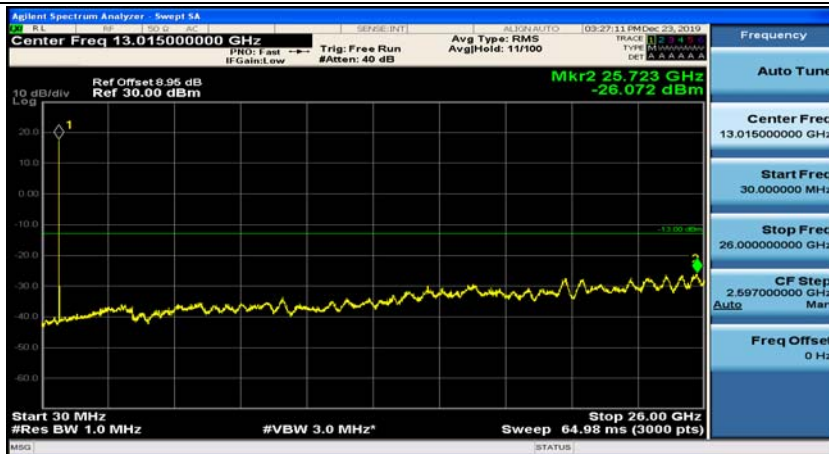
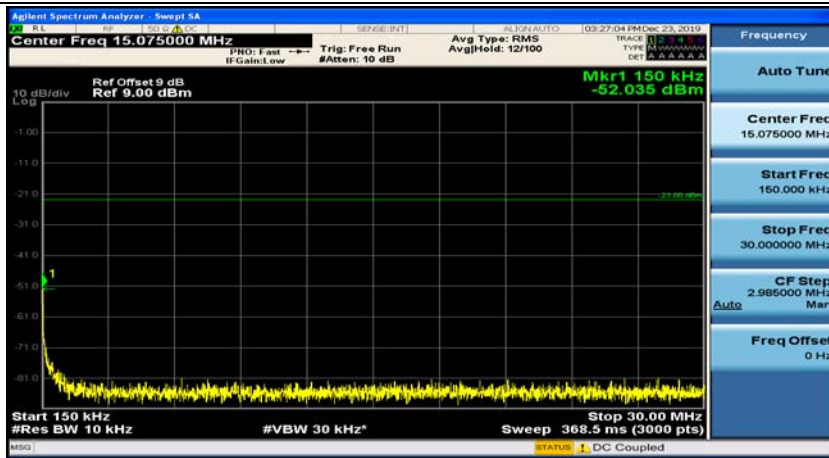
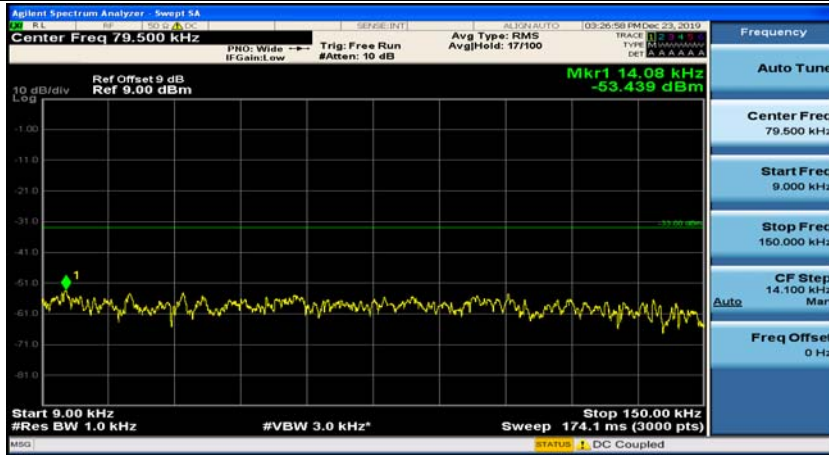
Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#24



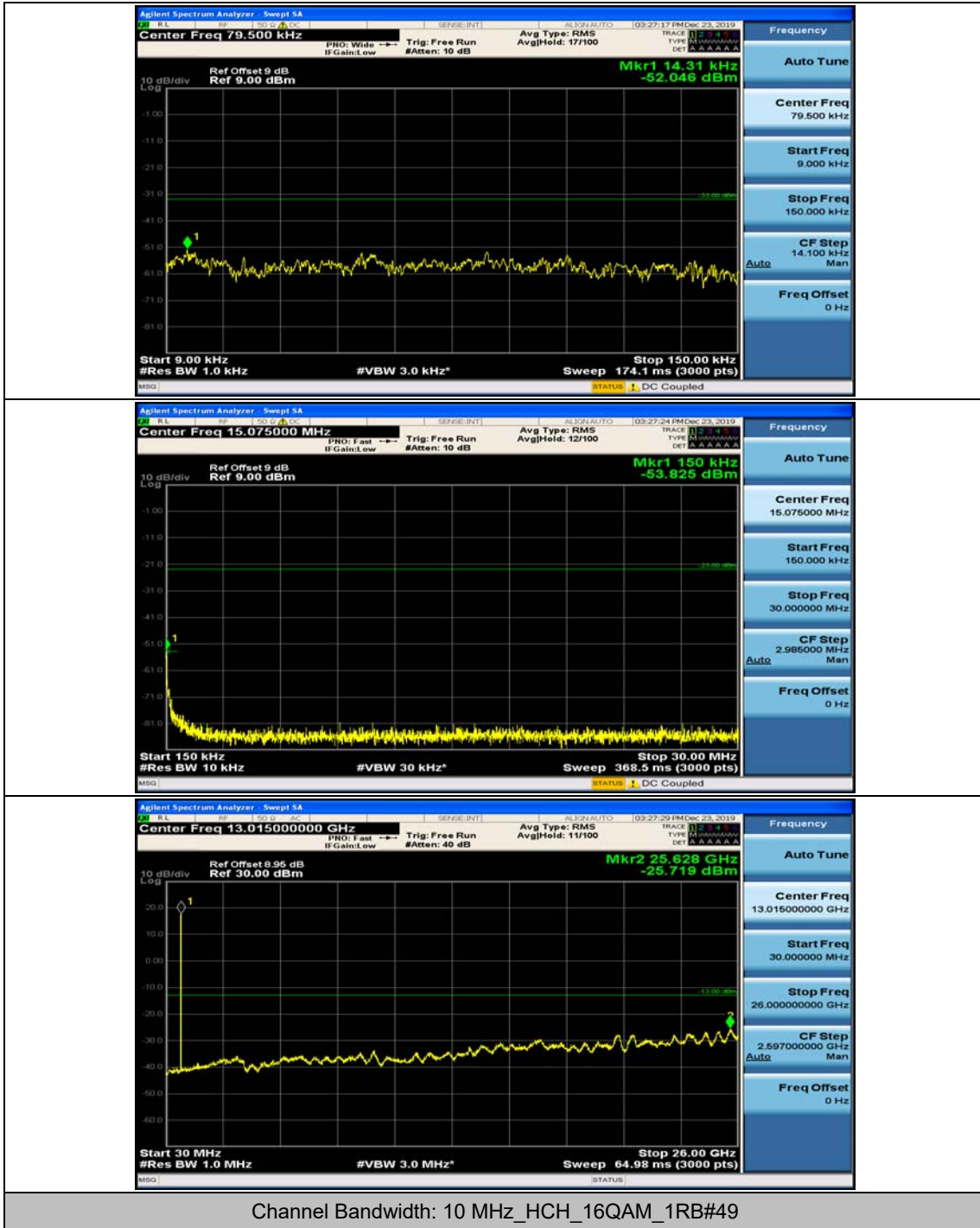


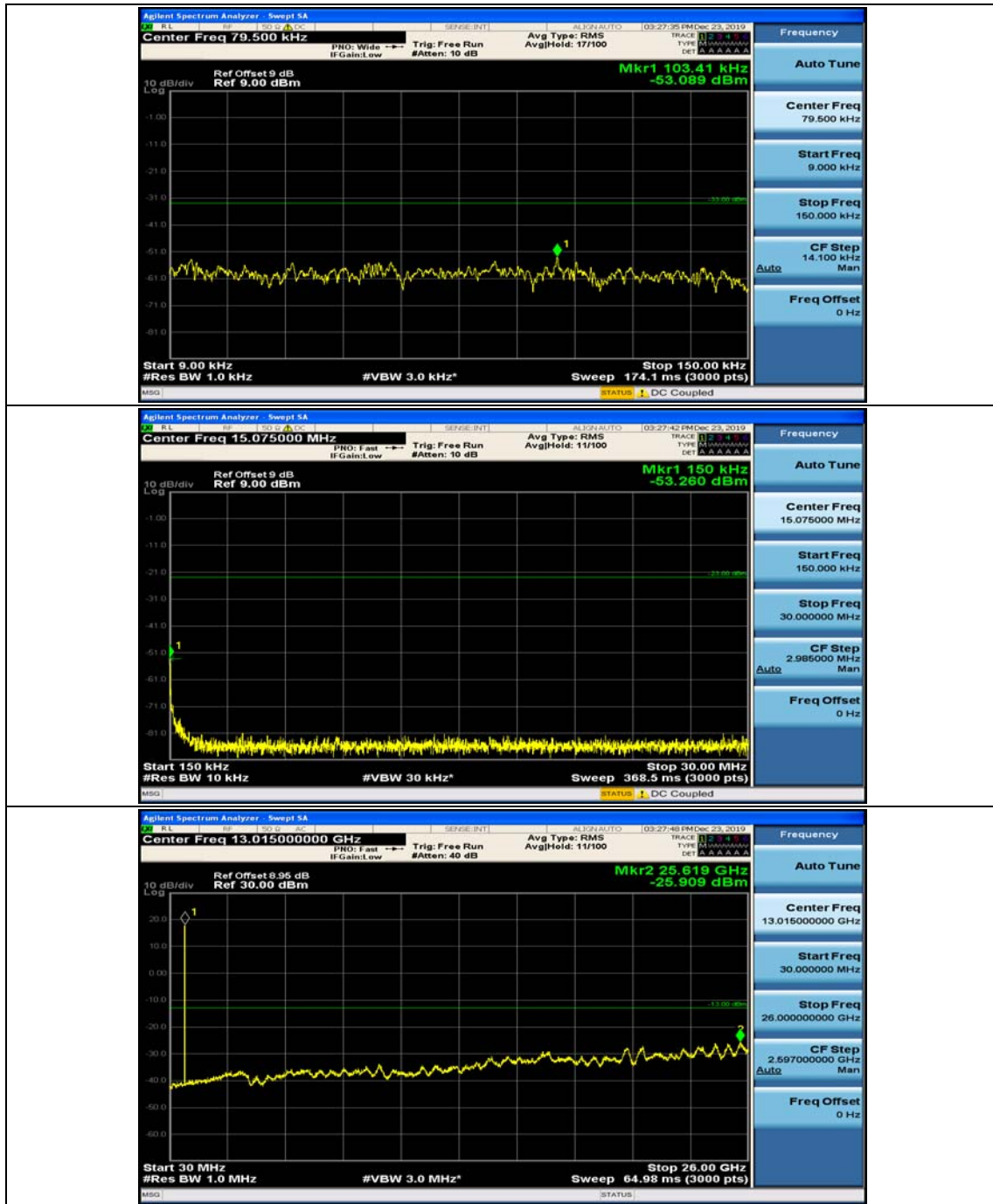


Channel Bandwidth: 10 MHz\_HCH\_16QAM\_1RB#0



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	1.75	0.002477	± 2.5	PASS
		VN	TN	1.89	0.002675	± 2.5	PASS
		VH	TN	0.02	0.000028	± 2.5	PASS
	MCH	VL	TN	4.56	0.006423	± 2.5	PASS
		VN	TN	2.38	0.003352	± 2.5	PASS
		VH	TN	2.39	0.003366	± 2.5	PASS
	HCH	VL	TN	1.04	0.001458	± 2.5	PASS
		VN	TN	0.48	0.000673	± 2.5	PASS
		VH	TN	4.32	0.006055	± 2.5	PASS
16QAM	LCH	VL	TN	3.11	0.004402	± 2.5	PASS
		VN	TN	1.31	0.001854	± 2.5	PASS
		VH	TN	4.65	0.006582	± 2.5	PASS
	MCH	VL	TN	3.24	0.004563	± 2.5	PASS
		VN	TN	4.73	0.006662	± 2.5	PASS
		VH	TN	-1.23	-0.001732	± 2.5	PASS
	HCH	VL	TN	0.77	0.001079	± 2.5	PASS
		VN	TN	4.8	0.006727	± 2.5	PASS
		VH	TN	3.18	0.004457	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.53	-0.000750	± 2.5	PASS
		VN	-20	3.78	0.005350	± 2.5	PASS
		VN	-10	-1.09	-0.001543	± 2.5	PASS
		VN	0	0.92	0.001302	± 2.5	PASS
		VN	10	-0.14	-0.000198	± 2.5	PASS
		VN	20	4.21	0.005959	± 2.5	PASS
		VN	30	3.47	0.004912	± 2.5	PASS
		VN	40	0.07	0.000099	± 2.5	PASS
	MCH	VN	-30	2.82	0.003972	± 2.5	PASS
		VN	-20	4.2	0.005915	± 2.5	PASS

		VN	-10	1.72	0.002423	± 2.5	PASS	
		VN	0	1.81	0.002549	± 2.5	PASS	
		VN	10	4.56	0.006423	± 2.5	PASS	
		VN	20	0.39	0.000549	± 2.5	PASS	
		VN	30	-1.93	-0.002718	± 2.5	PASS	
		VN	40	-0.97	-0.001366	± 2.5	PASS	
		VN	50	0.89	0.001254	± 2.5	PASS	
	HCH	VN	-30	0.43	0.000603	± 2.5	PASS	
		VN	-20	-1.53	-0.002144	± 2.5	PASS	
		VN	-10	2.8	0.003924	± 2.5	PASS	
		VN	0	3.65	0.005116	± 2.5	PASS	
		VN	10	3.73	0.005228	± 2.5	PASS	
		VN	20	-1.69	-0.002369	± 2.5	PASS	
		VN	30	-1.43	-0.002004	± 2.5	PASS	
	16QAM	LCH	VN	40	4.46	0.006251	± 2.5	PASS
			VN	50	-1.67	-0.002341	± 2.5	PASS
			VN	-30	0.59	0.000835	± 2.5	PASS
			VN	-20	-1.27	-0.001798	± 2.5	PASS
VN			-10	-0.81	-0.001146	± 2.5	PASS	
VN			0	-1.56	-0.002208	± 2.5	PASS	
VN			10	2.58	0.003652	± 2.5	PASS	
VN			20	3.72	0.005265	± 2.5	PASS	
VN			30	4.85	0.006865	± 2.5	PASS	
MCH		VN	40	2.64	0.003737	± 2.5	PASS	
		VN	50	3.97	0.005619	± 2.5	PASS	
		VN	-30	3.52	0.004933	± 2.5	PASS	
		VN	-20	-0.72	-0.001009	± 2.5	PASS	
		VN	-10	4.2	0.005886	± 2.5	PASS	
		VN	0	3.27	0.004583	± 2.5	PASS	
		VN	10	4.61	0.006461	± 2.5	PASS	
		VN	20	0.04	0.000056	± 2.5	PASS	
		VN	30	1.82	0.002551	± 2.5	PASS	
HCH	VN	40	3.69	0.005172	± 2.5	PASS		
	VN	50	4.8	0.006727	± 2.5	PASS		
	VN	-30	-0.88	-0.001233	± 2.5	PASS		
	VN	-20	3.58	0.005018	± 2.5	PASS		
	VN	-10	-0.24	-0.000336	± 2.5	PASS		
	VN	0	2.37	0.003322	± 2.5	PASS		
	VN	10	4.65	0.006517	± 2.5	PASS		
VN	20	1.56	0.002186	± 2.5	PASS			
VN	30	1.03	0.001444	± 2.5	PASS			

		VN	40	-1.3	-0.001822	± 2.5	PASS
		VN	50	2.53	0.003546	± 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	-1.68	-0.002370	± 2.5	PASS
		VN	TN	3.33	0.004697	± 2.5	PASS
		VH	TN	4.59	0.006474	± 2.5	PASS
	MCH	VL	TN	-0.96	-0.001352	± 2.5	PASS
		VN	TN	0.54	0.000761	± 2.5	PASS
		VH	TN	1.24	0.001746	± 2.5	PASS
	HCH	VL	TN	4.3	0.006048	± 2.5	PASS
		VN	TN	1.21	0.001702	± 2.5	PASS
		VH	TN	-1.06	-0.001491	± 2.5	PASS
16QAM	LCH	VL	TN	3.76	0.005303	± 2.5	PASS
		VN	TN	4.34	0.006121	± 2.5	PASS
		VH	TN	1.22	0.001721	± 2.5	PASS
	MCH	VL	TN	4.15	0.005845	± 2.5	PASS
		VN	TN	-1.71	-0.002408	± 2.5	PASS
		VH	TN	0.09	0.000127	± 2.5	PASS
	HCH	VL	TN	-0.94	-0.001322	± 2.5	PASS
		VN	TN	-0.7	-0.000985	± 2.5	PASS
		VH	TN	4.16	0.005851	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.93	-0.002722	± 2.5	PASS
		VN	-20	3.55	0.005007	± 2.5	PASS
		VN	-10	2.91	0.004104	± 2.5	PASS
		VN	0	-0.5	-0.000705	± 2.5	PASS
		VN	10	-0.12	-0.000169	± 2.5	PASS
		VN	20	-1.93	-0.002722	± 2.5	PASS
		VN	30	1.17	0.001650	± 2.5	PASS
		VN	40	0.91	0.001283	± 2.5	PASS
		VN	50	-0.91	-0.001283	± 2.5	PASS
	MCH	VN	-30	0	0.000000	± 2.5	PASS
		VN	-20	2.27	0.003197	± 2.5	PASS
		VN	-10	2.75	0.003873	± 2.5	PASS

		VN	0	-0.69	-0.000972	± 2.5	PASS		
		VN	10	4.96	0.006986	± 2.5	PASS		
		VN	20	3.74	0.005268	± 2.5	PASS		
		VN	30	2.98	0.004197	± 2.5	PASS		
		VN	40	1.46	0.002056	± 2.5	PASS		
		VN	50	0.31	0.000437	± 2.5	PASS		
	HCH	VN	-30	-0.01	-0.000014	± 2.5	PASS		
		VN	-20	4.34	0.006104	± 2.5	PASS		
		VN	-10	-1.15	-0.001617	± 2.5	PASS		
		VN	0	4.53	0.006371	± 2.5	PASS		
		VN	10	2.58	0.003629	± 2.5	PASS		
		VN	20	-0.94	-0.001322	± 2.5	PASS		
		VN	30	1.75	0.002461	± 2.5	PASS		
		VN	40	4.09	0.005752	± 2.5	PASS		
		VN	50	0.77	0.001083	± 2.5	PASS		
		16QAM	LCH	VN	-30	0.96	0.001352	± 2.5	PASS
				VN	-20	1.37	0.001930	± 2.5	PASS
				VN	-10	4.37	0.006155	± 2.5	PASS
VN	0			0.25	0.000352	± 2.5	PASS		
VN	10			-0.64	-0.000901	± 2.5	PASS		
VN	20			0.3	0.000423	± 2.5	PASS		
VN	30			1.76	0.002479	± 2.5	PASS		
VN	40			4.88	0.006873	± 2.5	PASS		
VN	50			-0.69	-0.000972	± 2.5	PASS		
MCH	VN		-30	-1.8	-0.002532	± 2.5	PASS		
	VN		-20	2.88	0.004051	± 2.5	PASS		
	VN		-10	1.02	0.001435	± 2.5	PASS		
	VN		0	0.69	0.000970	± 2.5	PASS		
	VN		10	0.77	0.001083	± 2.5	PASS		
	VN		20	1.65	0.002321	± 2.5	PASS		
	VN		30	4.18	0.005879	± 2.5	PASS		
	VN		40	2.84	0.003994	± 2.5	PASS		
	VN		50	4.68	0.006582	± 2.5	PASS		
HCH	VN		-30	3	0.004219	± 2.5	PASS		
	VN		-20	0.17	0.000239	± 2.5	PASS		
	VN		-10	2.01	0.002827	± 2.5	PASS		
	VN		0	-1.14	-0.001603	± 2.5	PASS		
	VN		10	3.48	0.004895	± 2.5	PASS		
	VN		20	3.53	0.004965	± 2.5	PASS		
	VN		30	2.29	0.003221	± 2.5	PASS		
	VN		40	1.43	0.002011	± 2.5	PASS		





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		VN	50	2.04	0.002869	± 2.5	PASS
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