

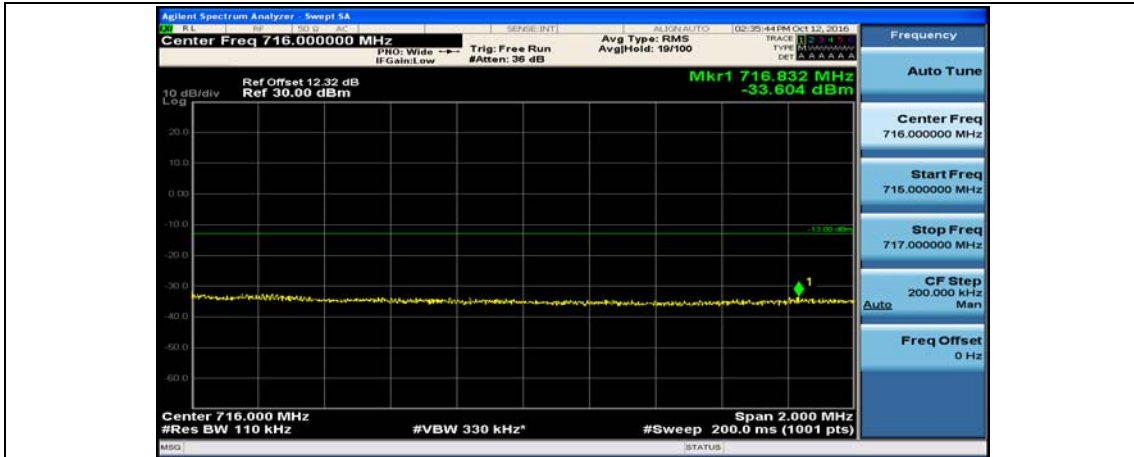
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0



Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12



Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25



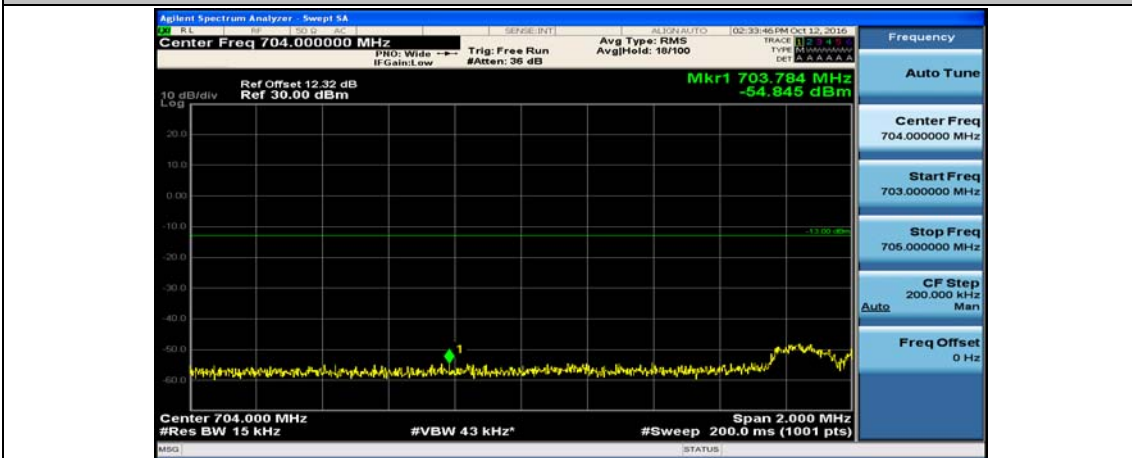
Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



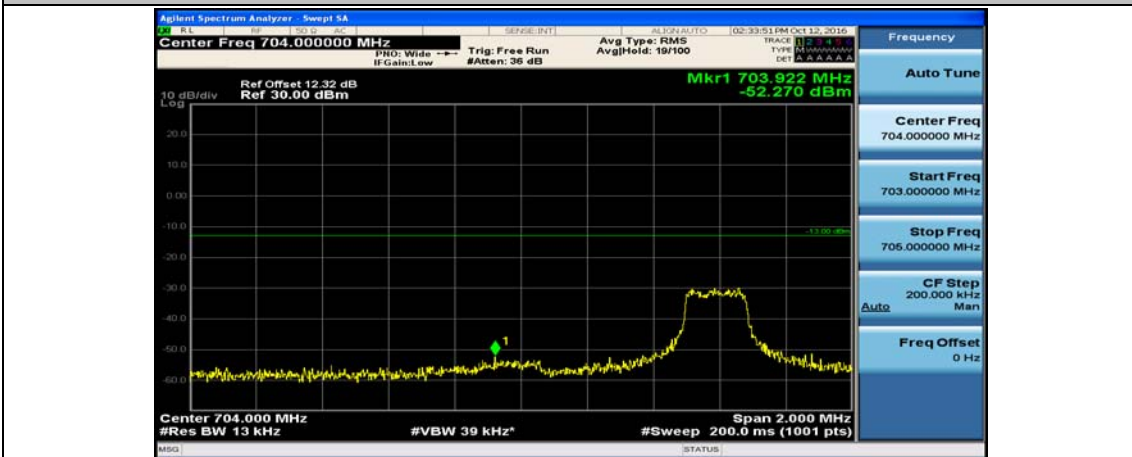
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



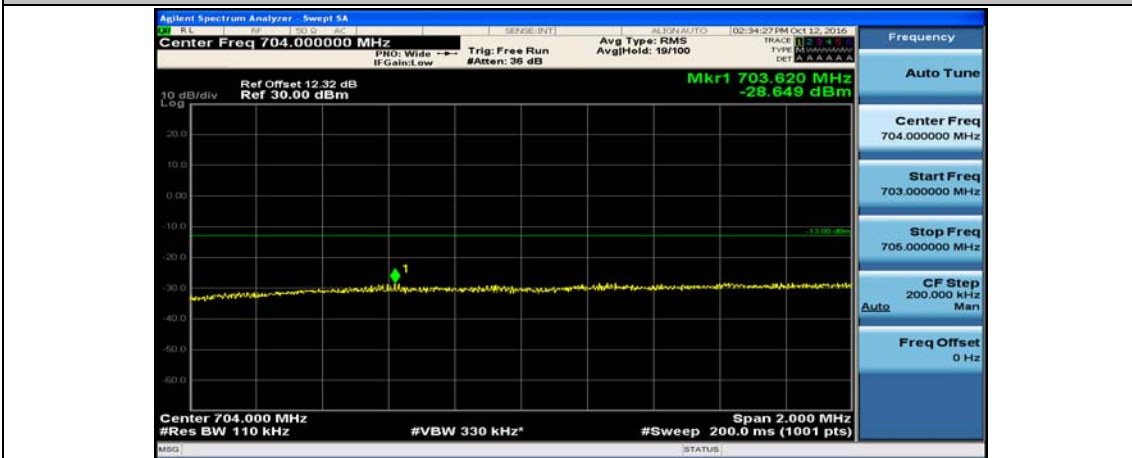
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#12



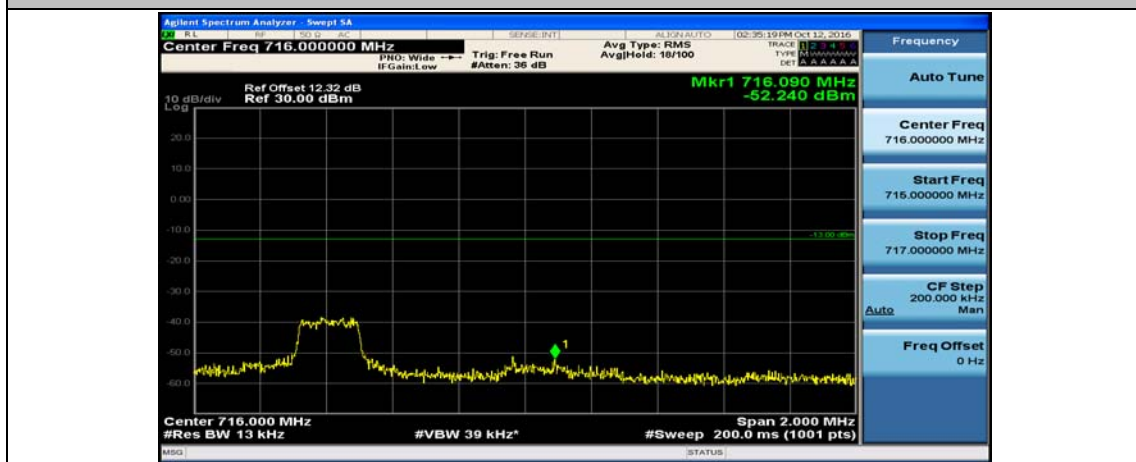
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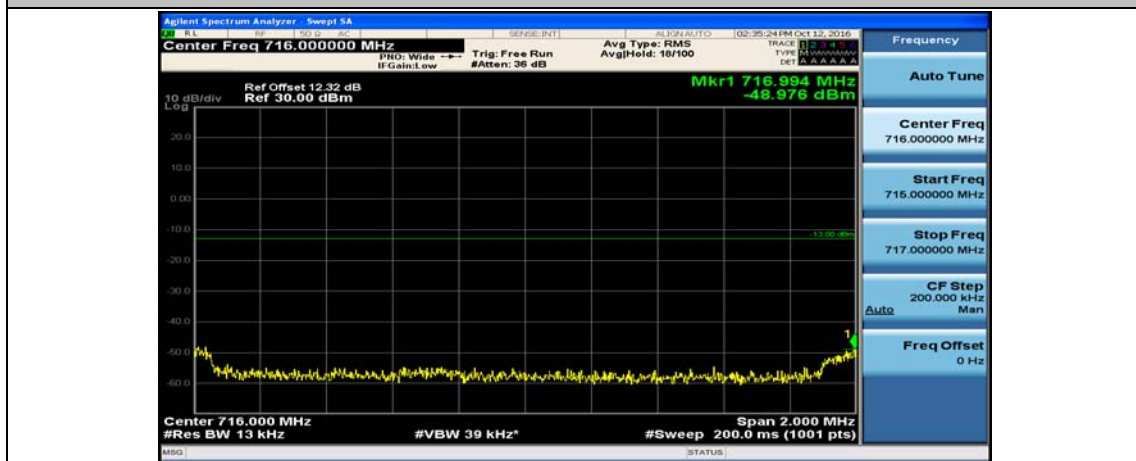
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



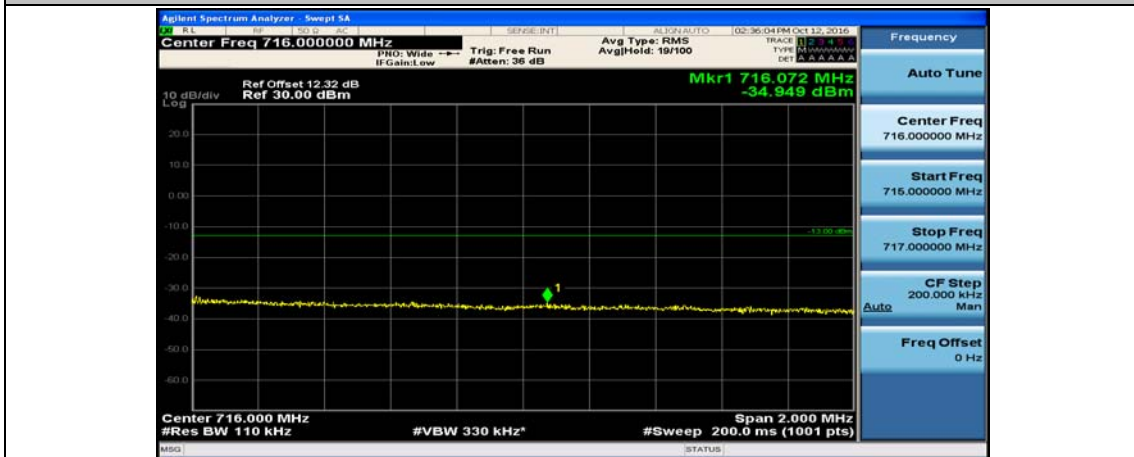
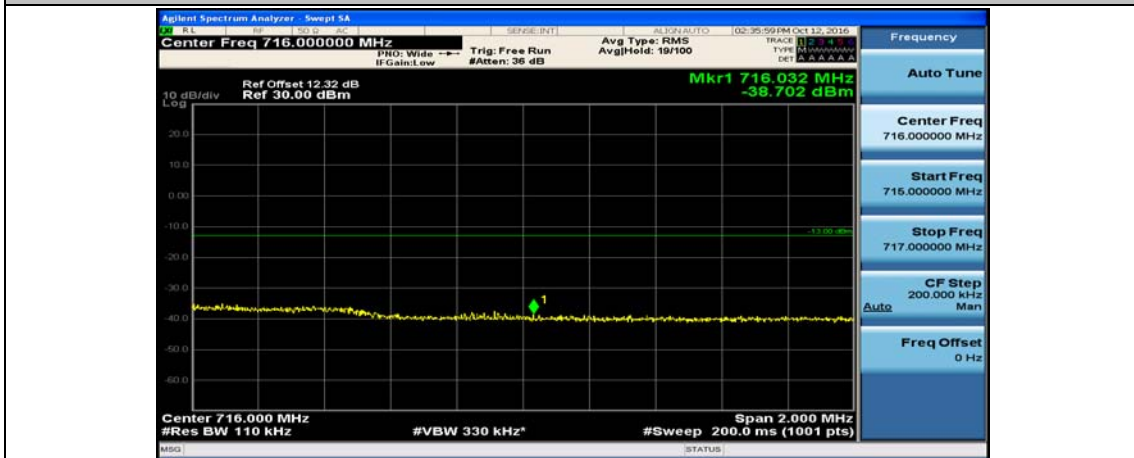
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24

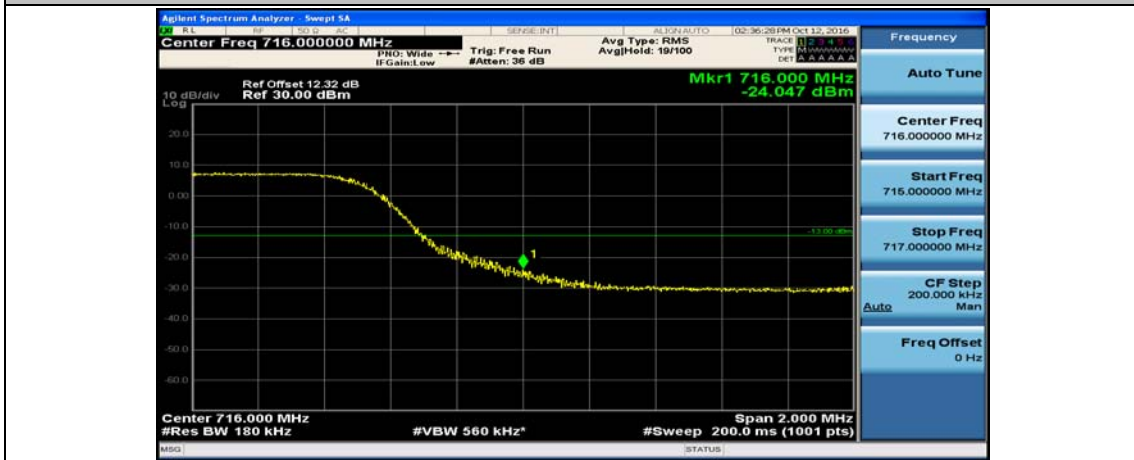


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49





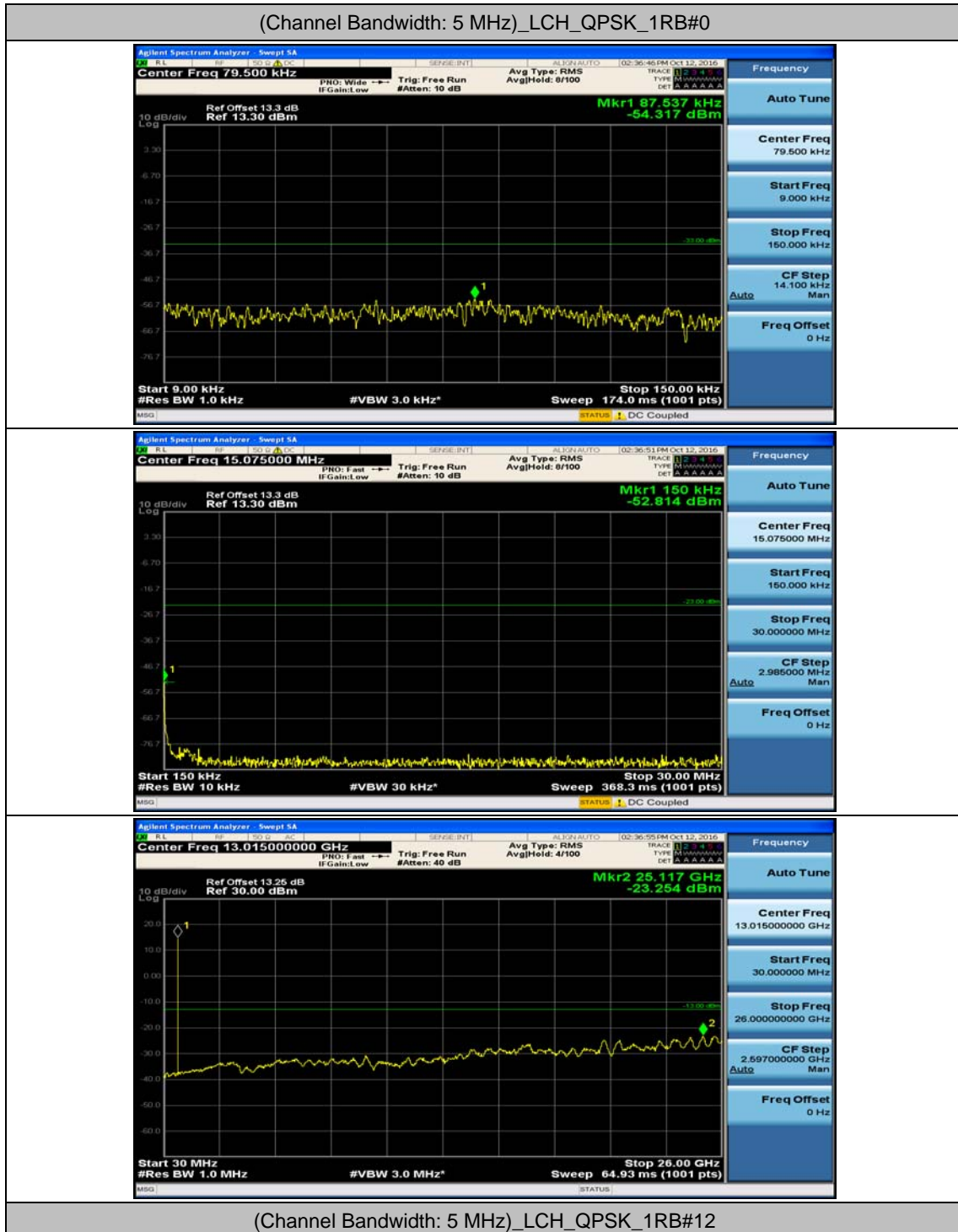
Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

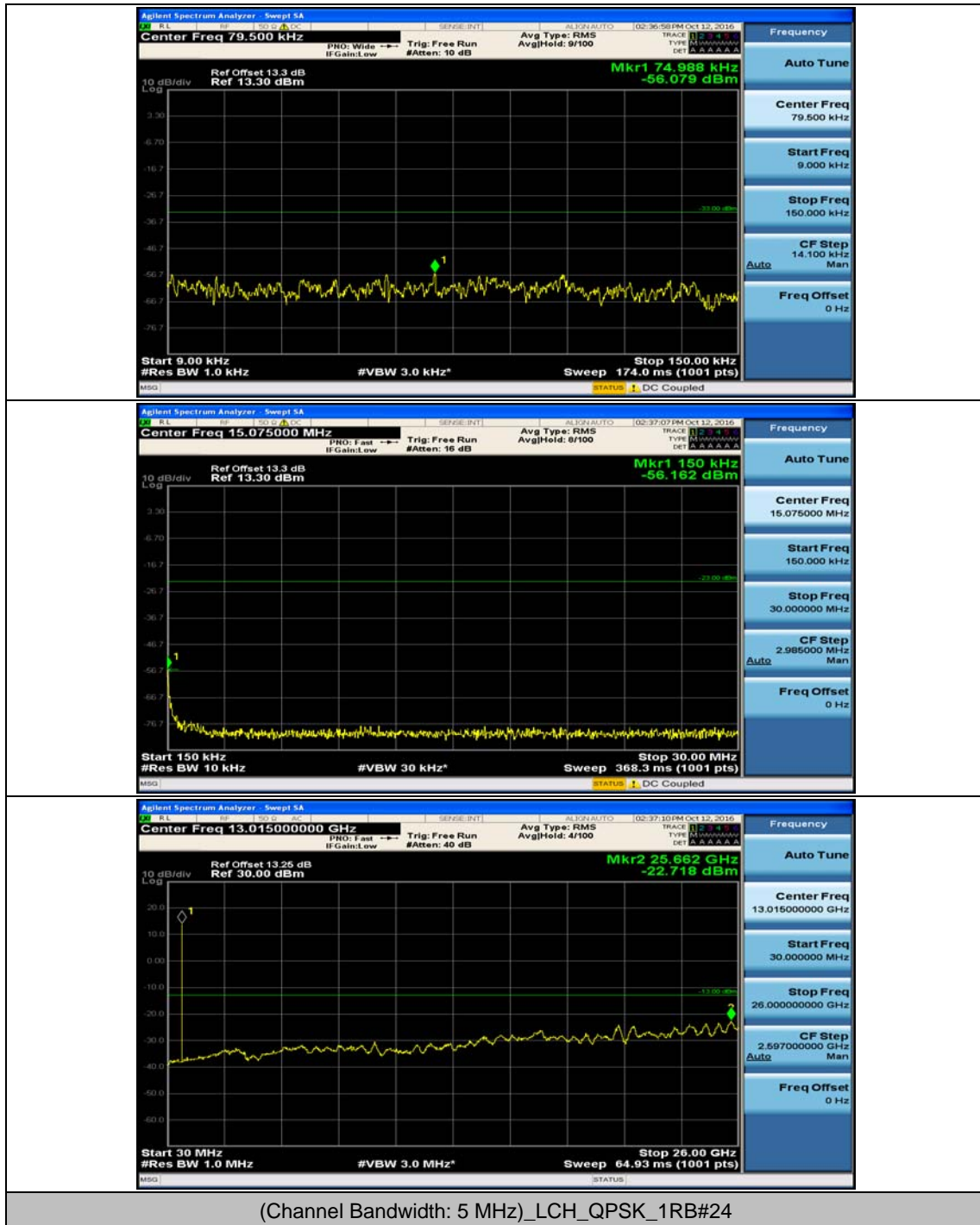


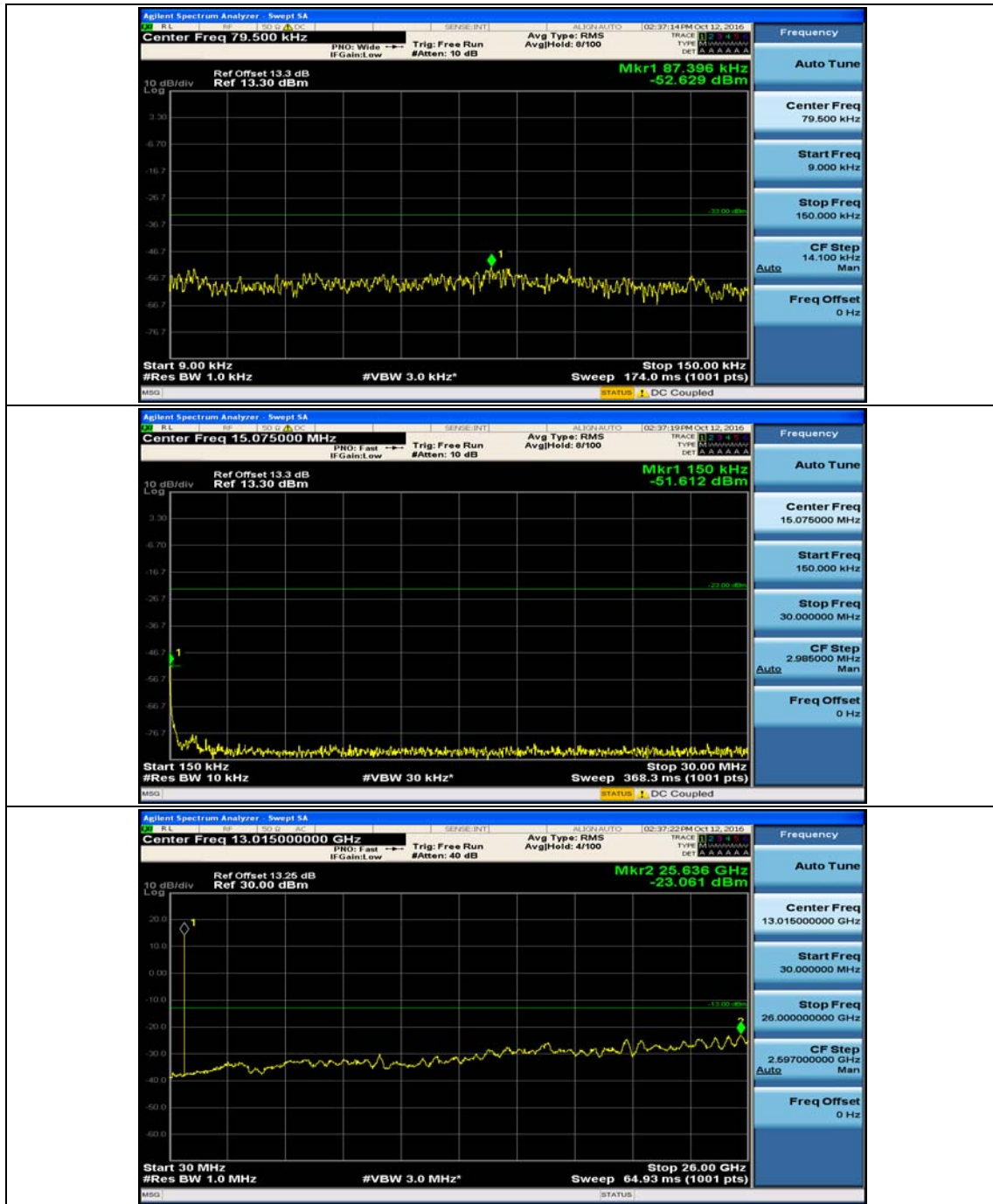
Appendix E: Conducted Spurious Emission

Test Graphs

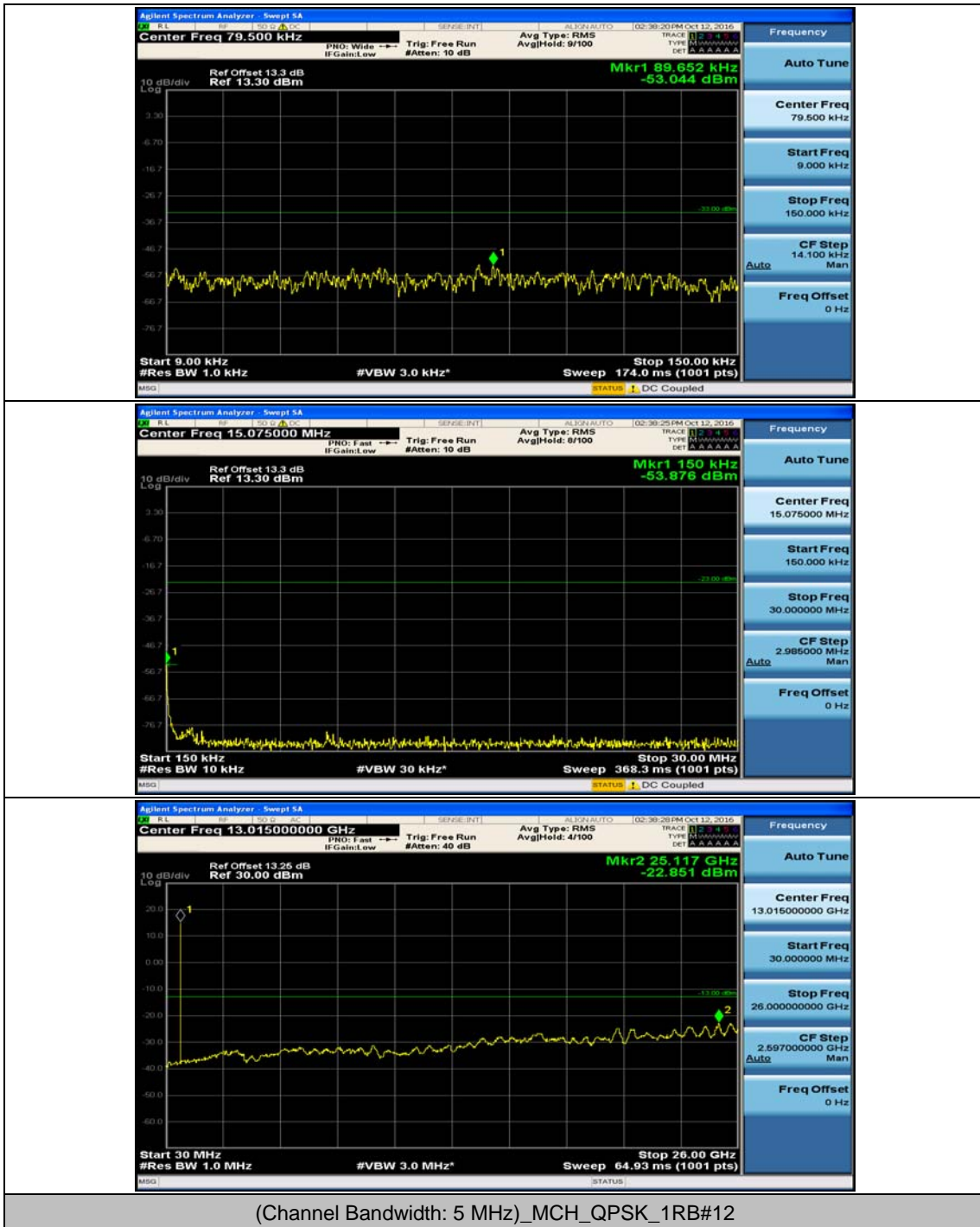
Channel Bandwidth: 5 MHz

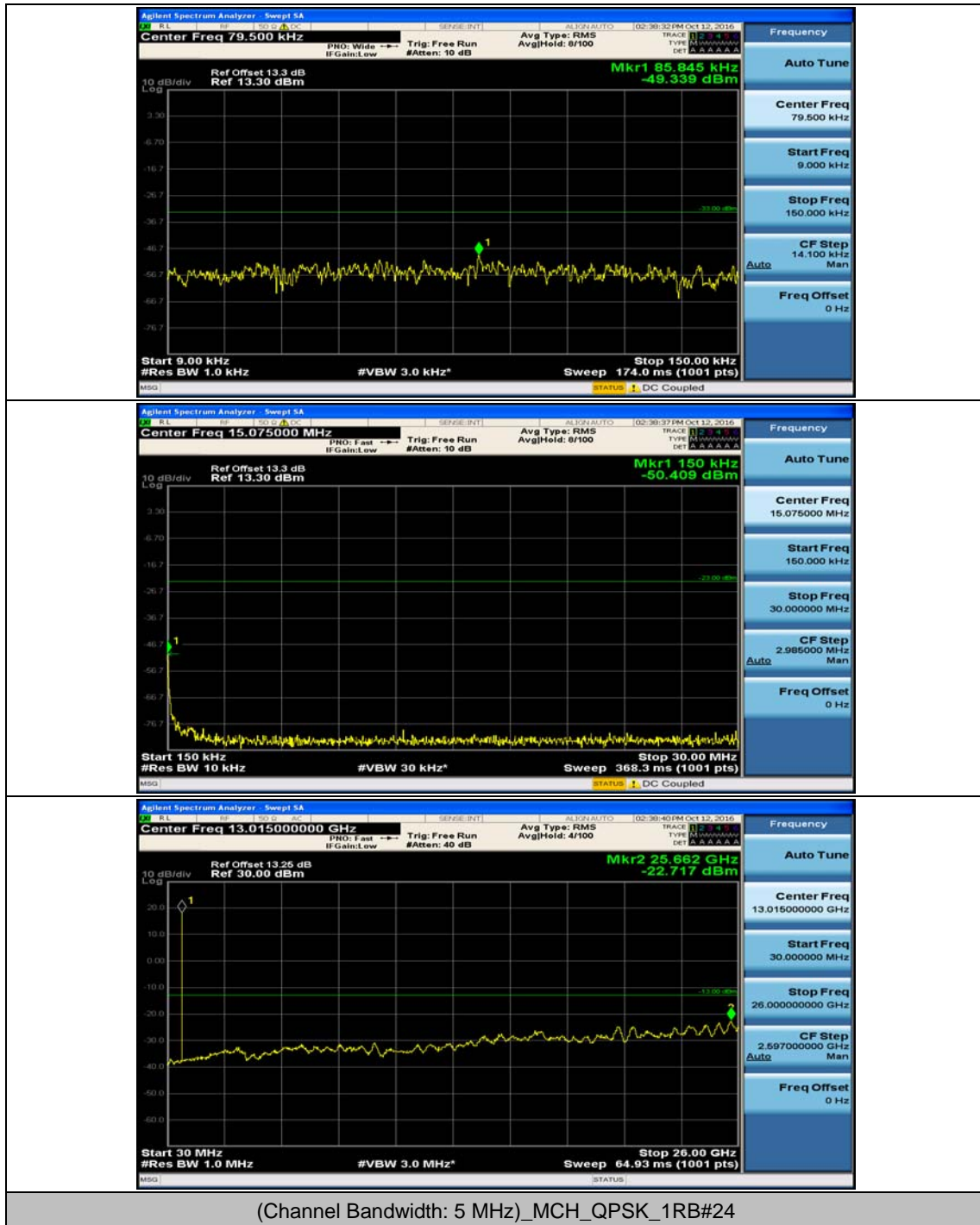


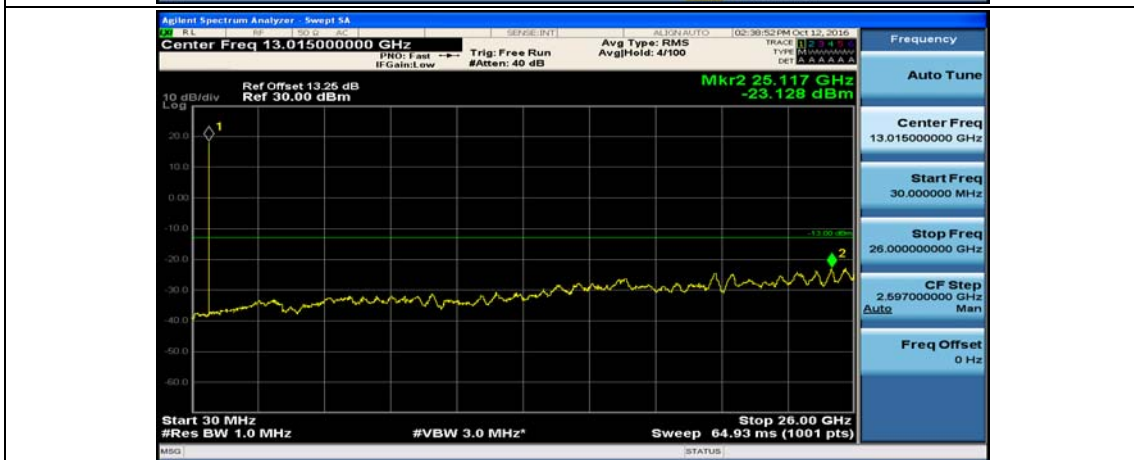
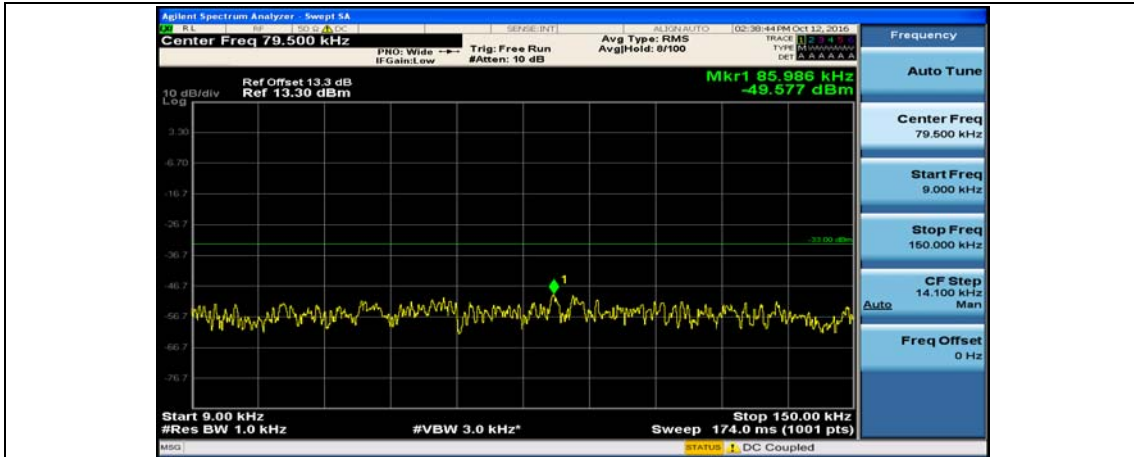




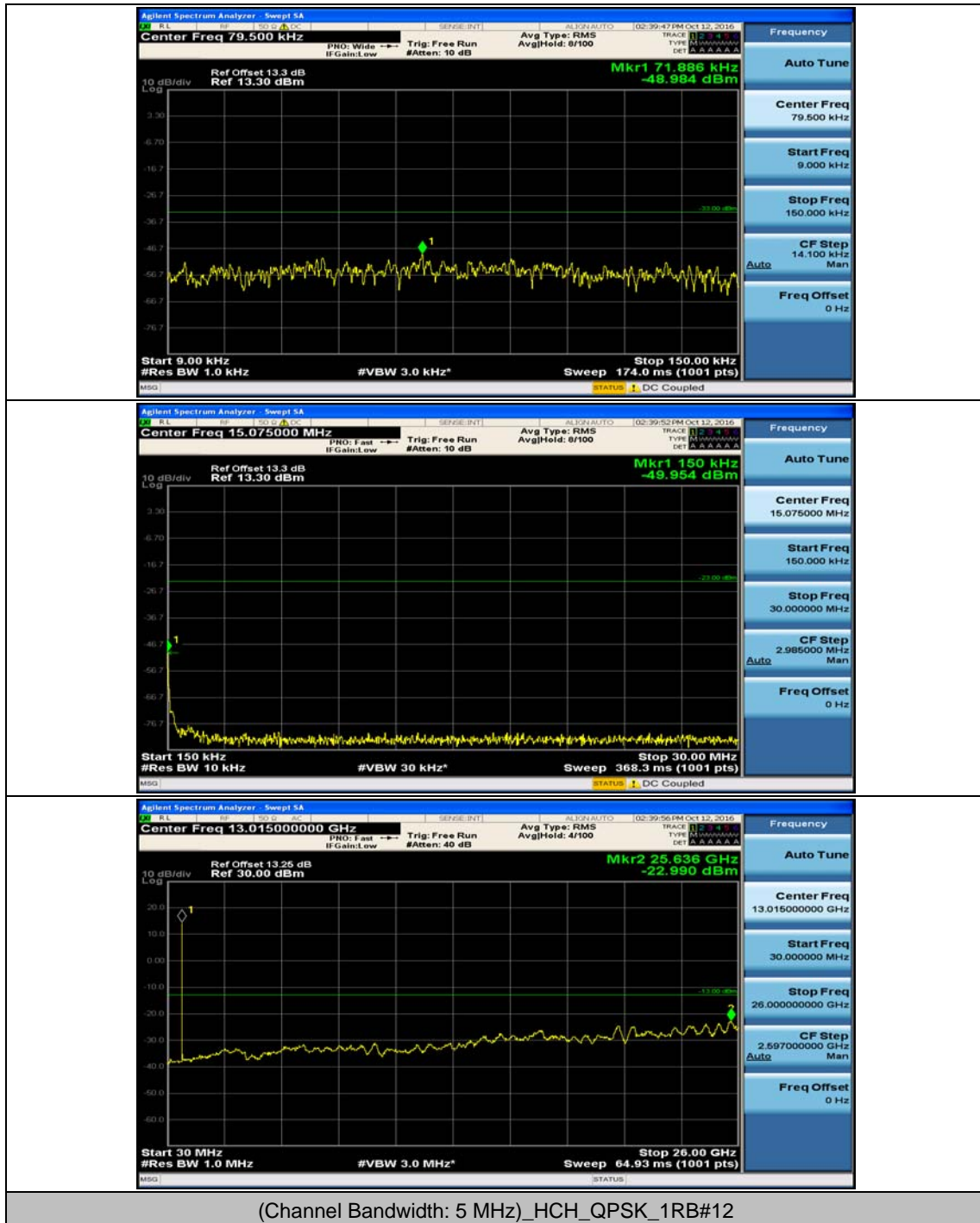
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

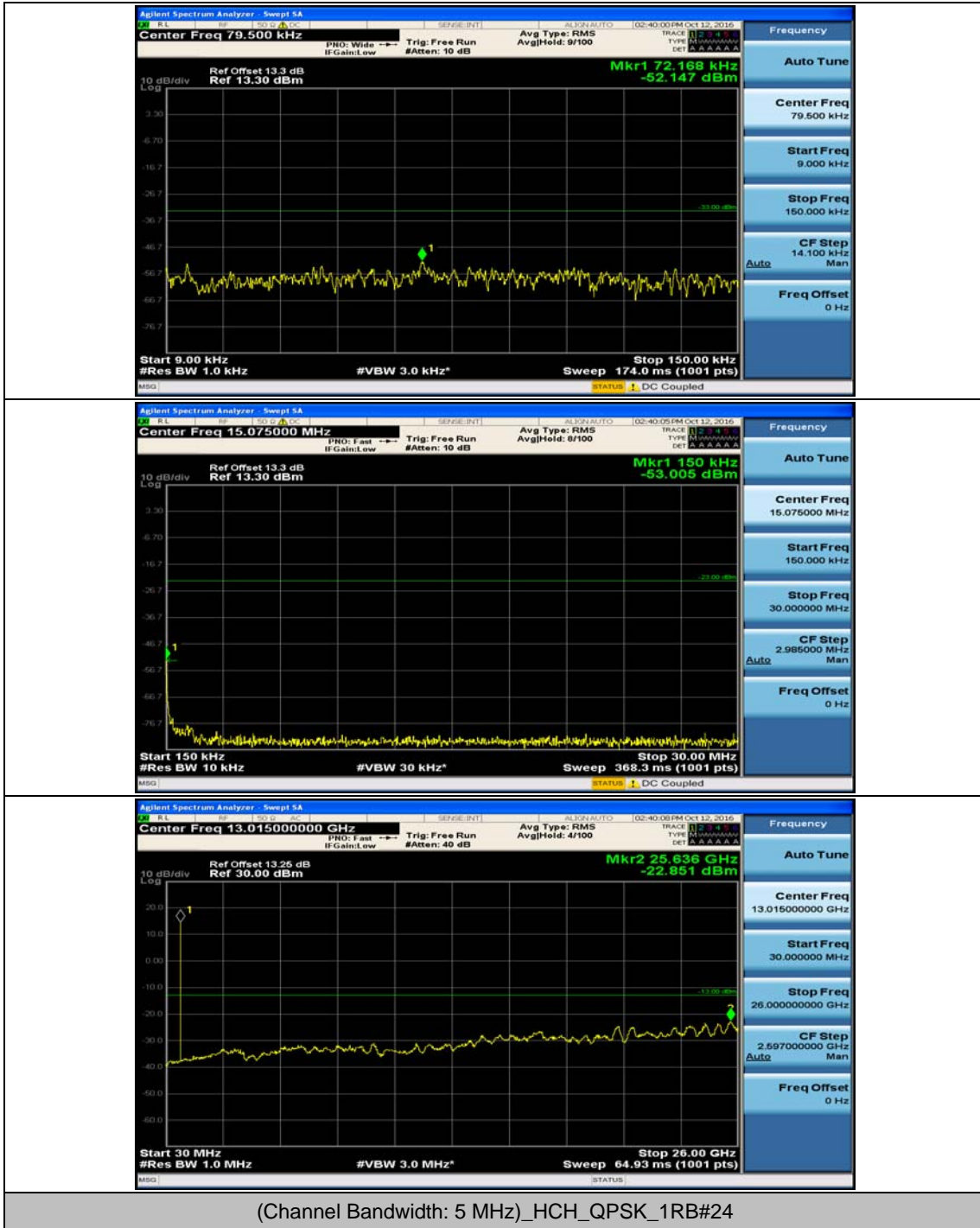


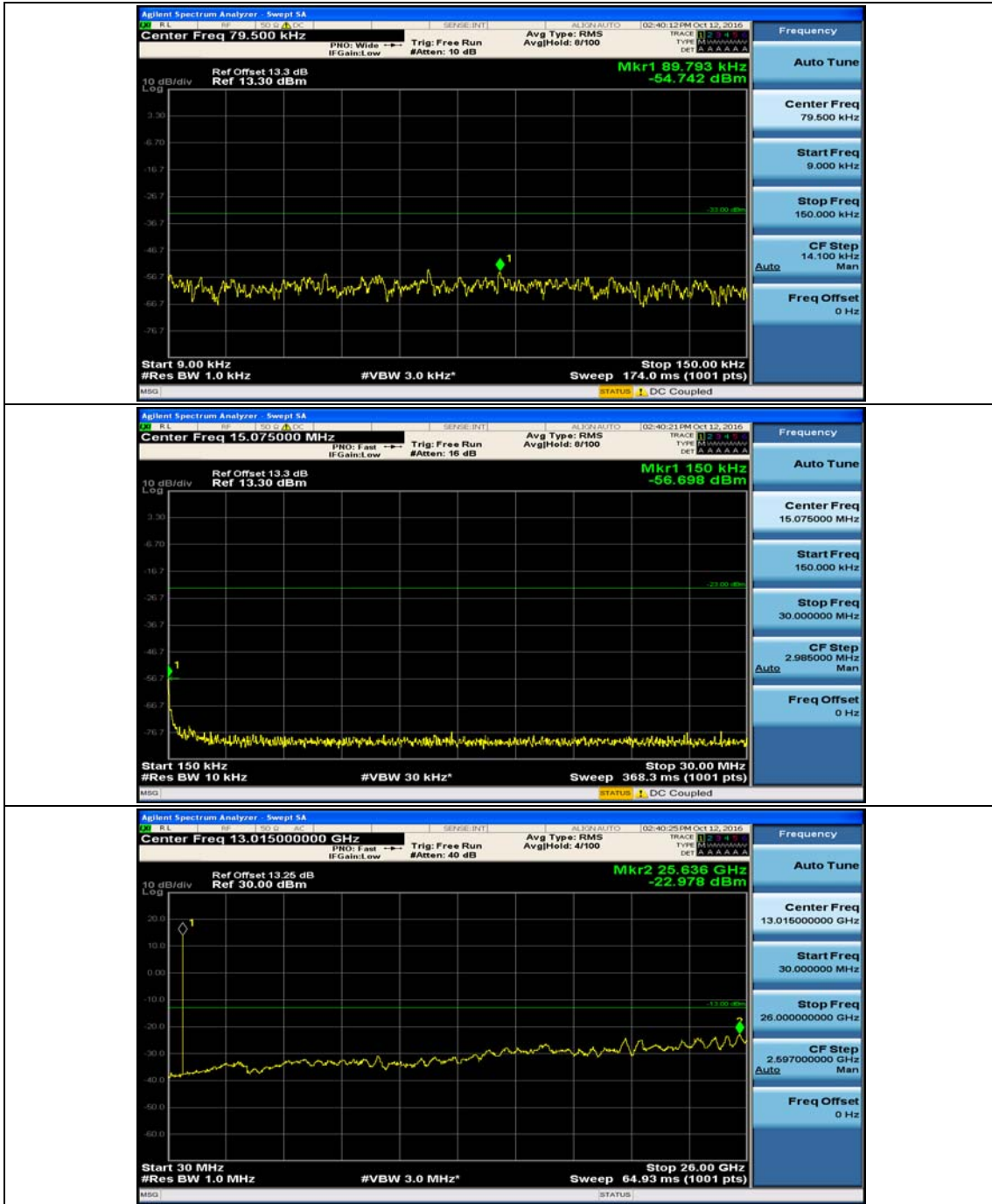




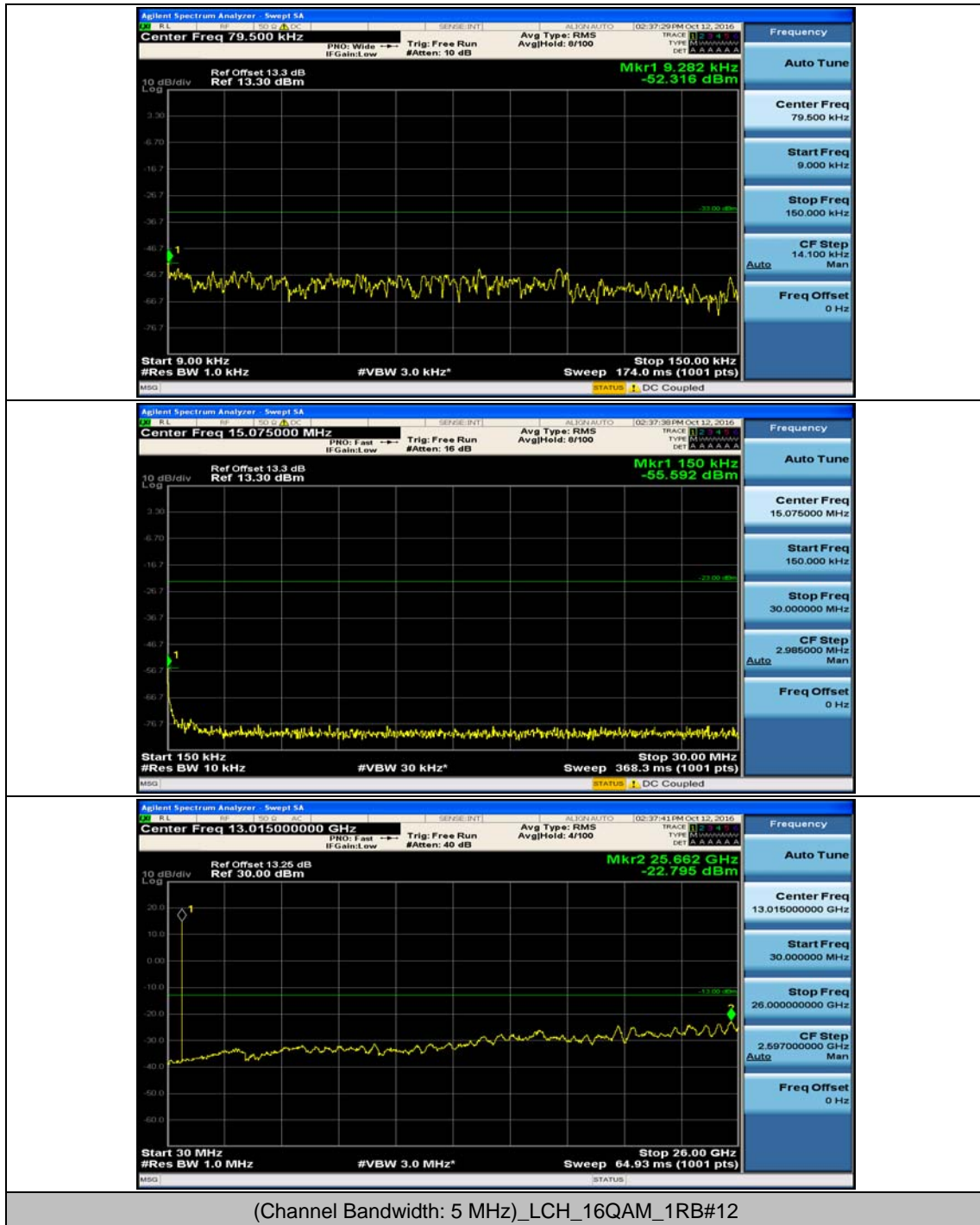
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

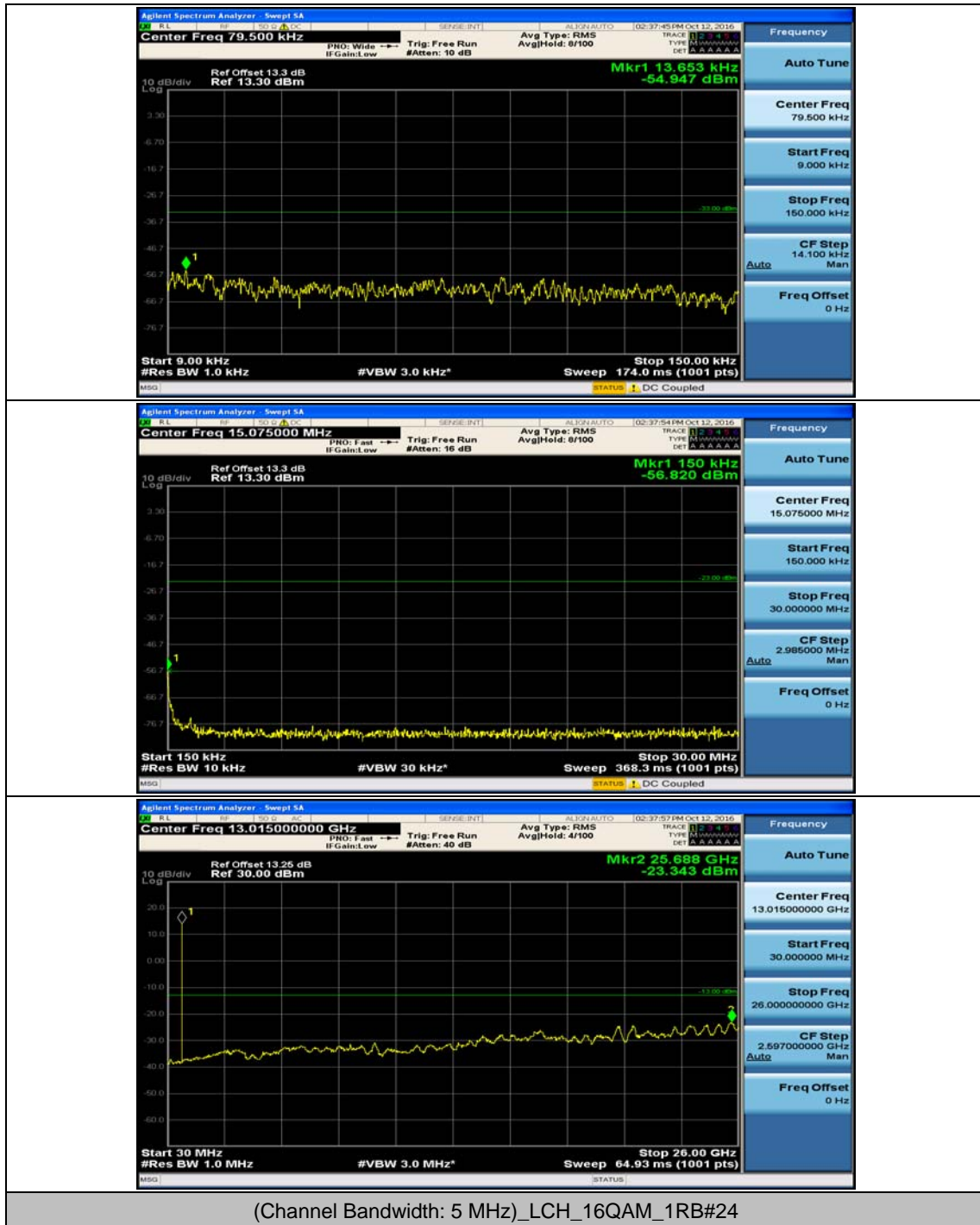


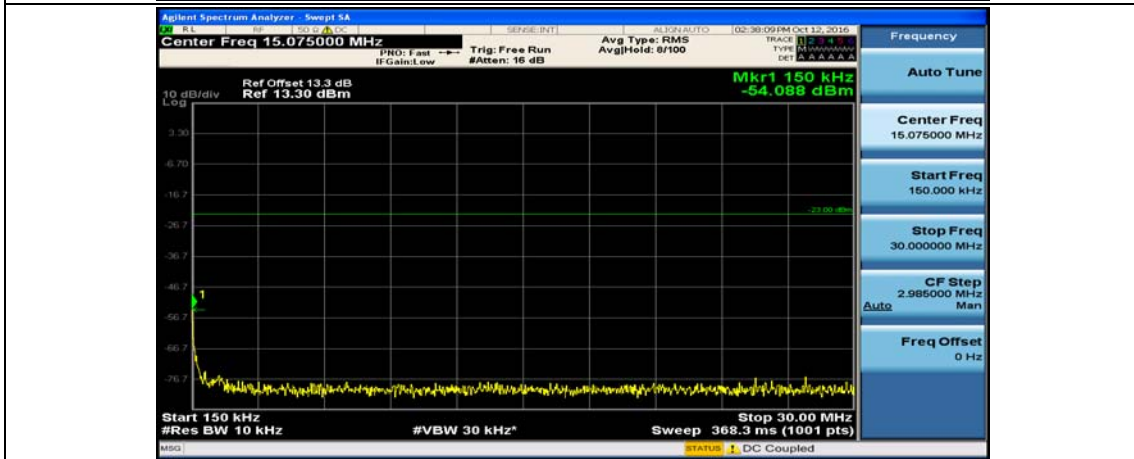
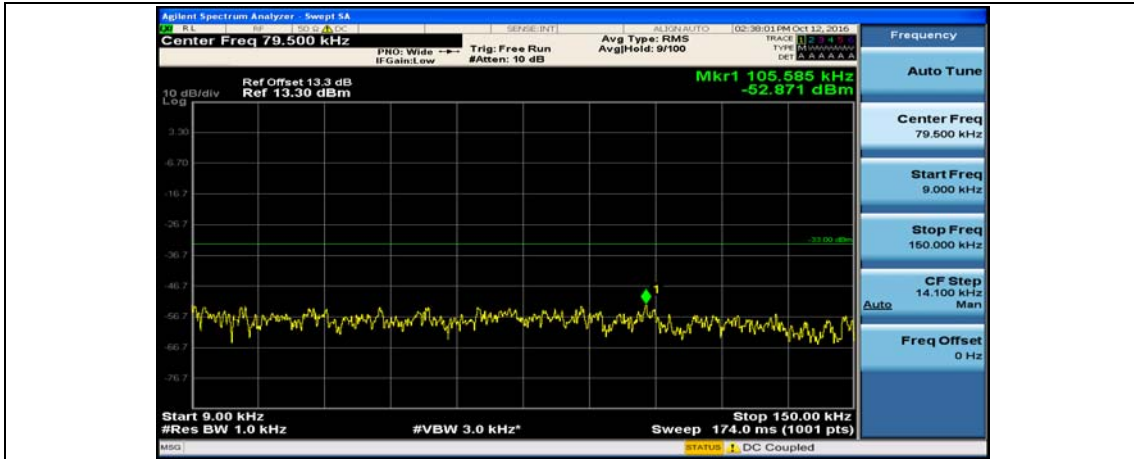




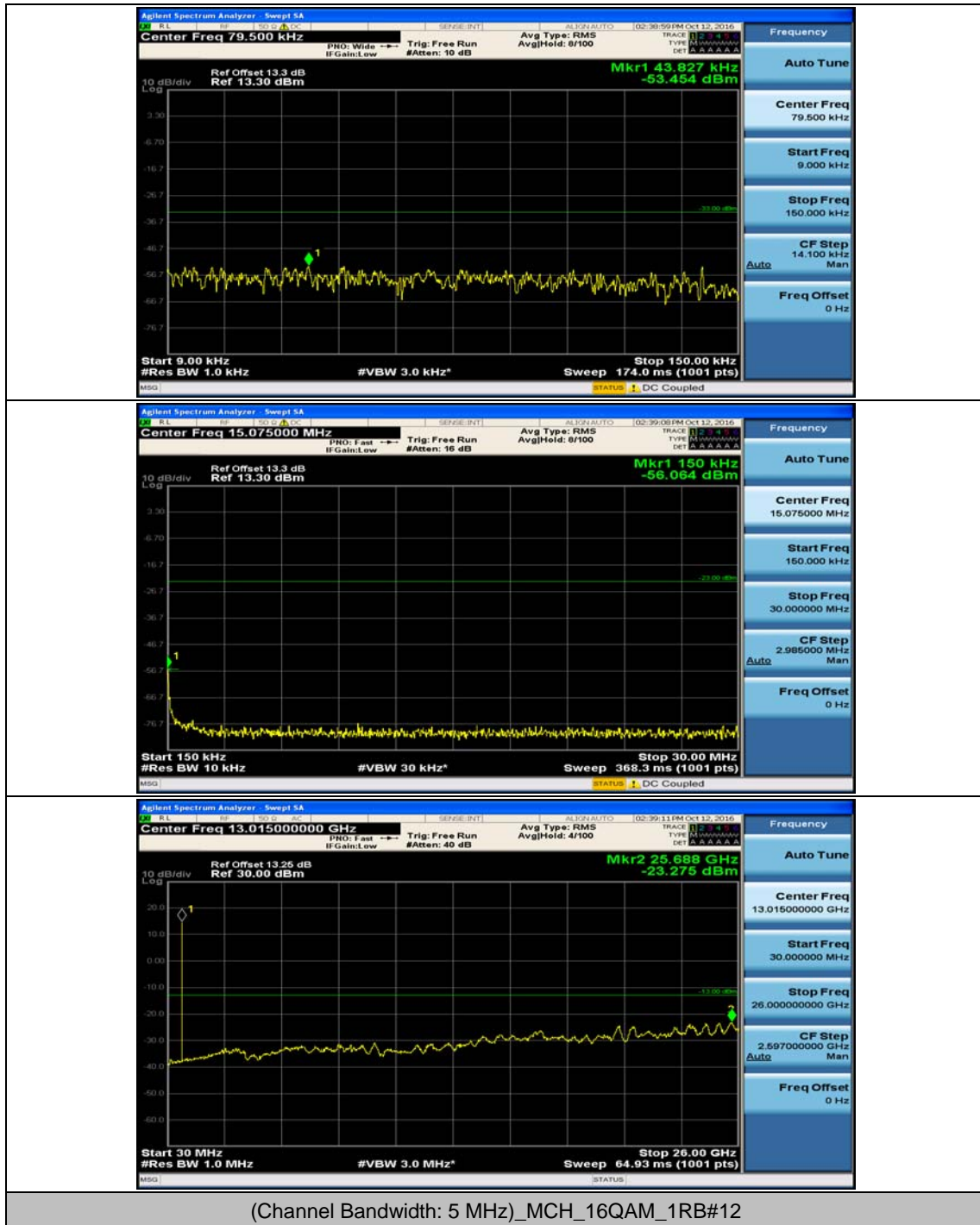
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

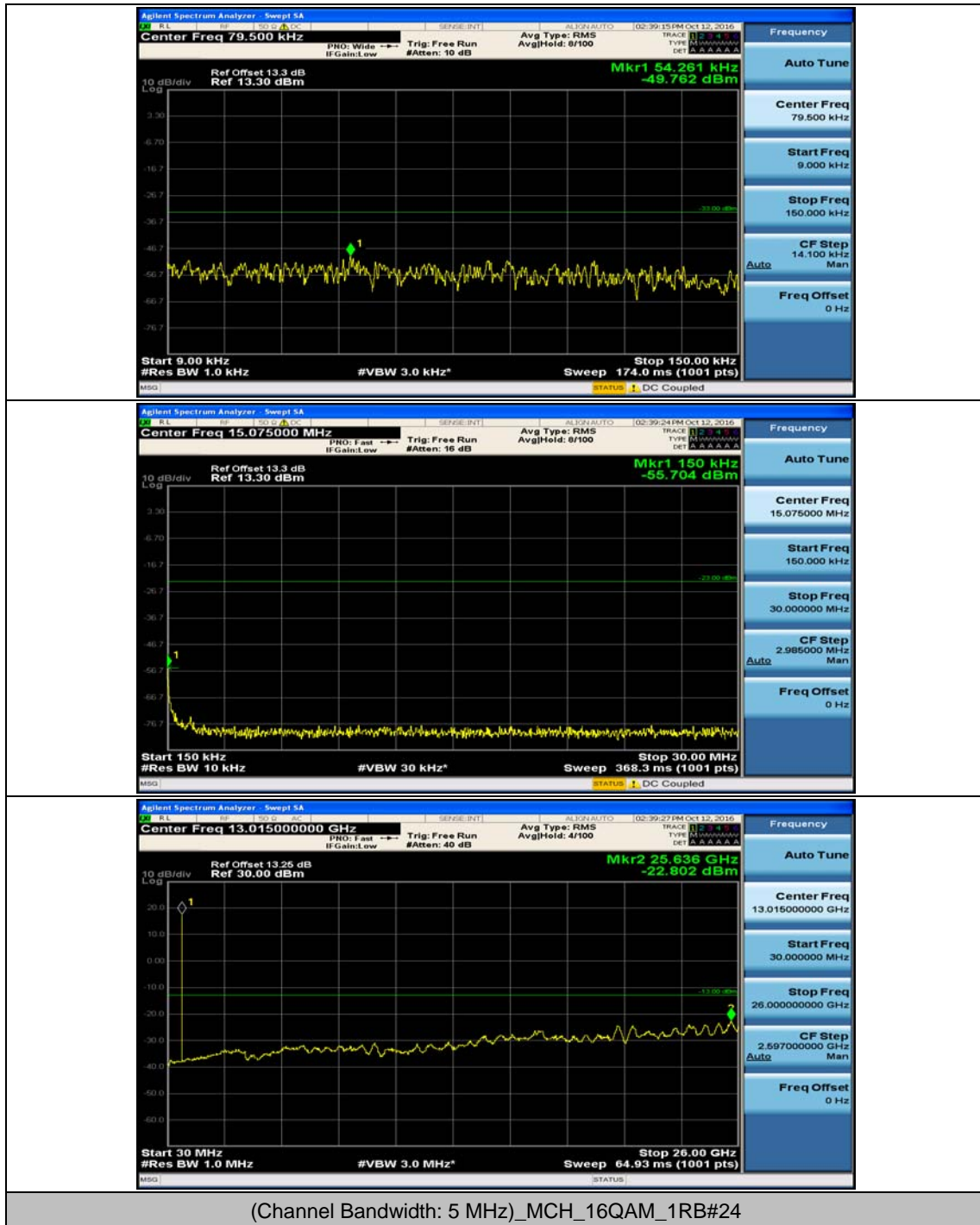


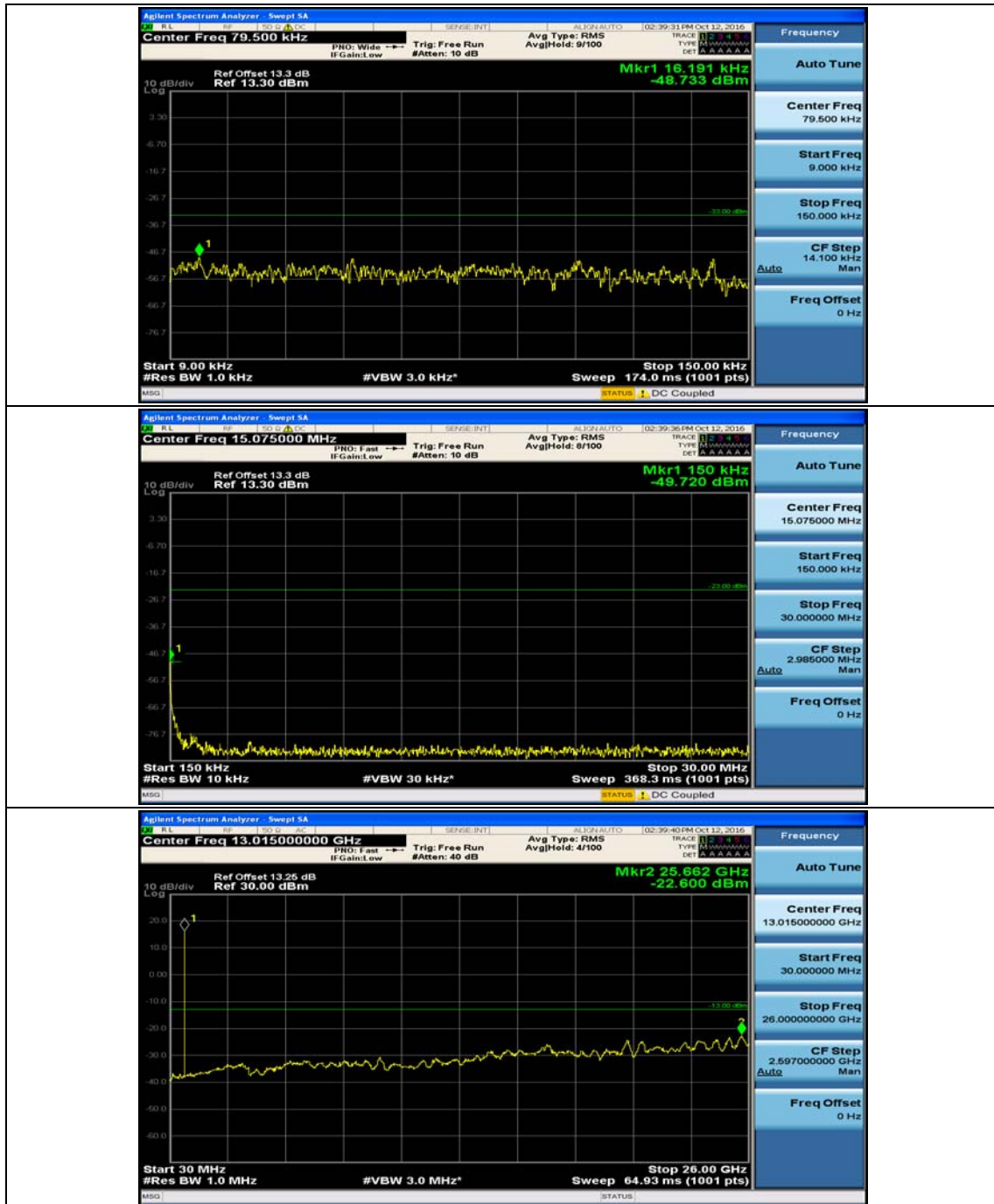




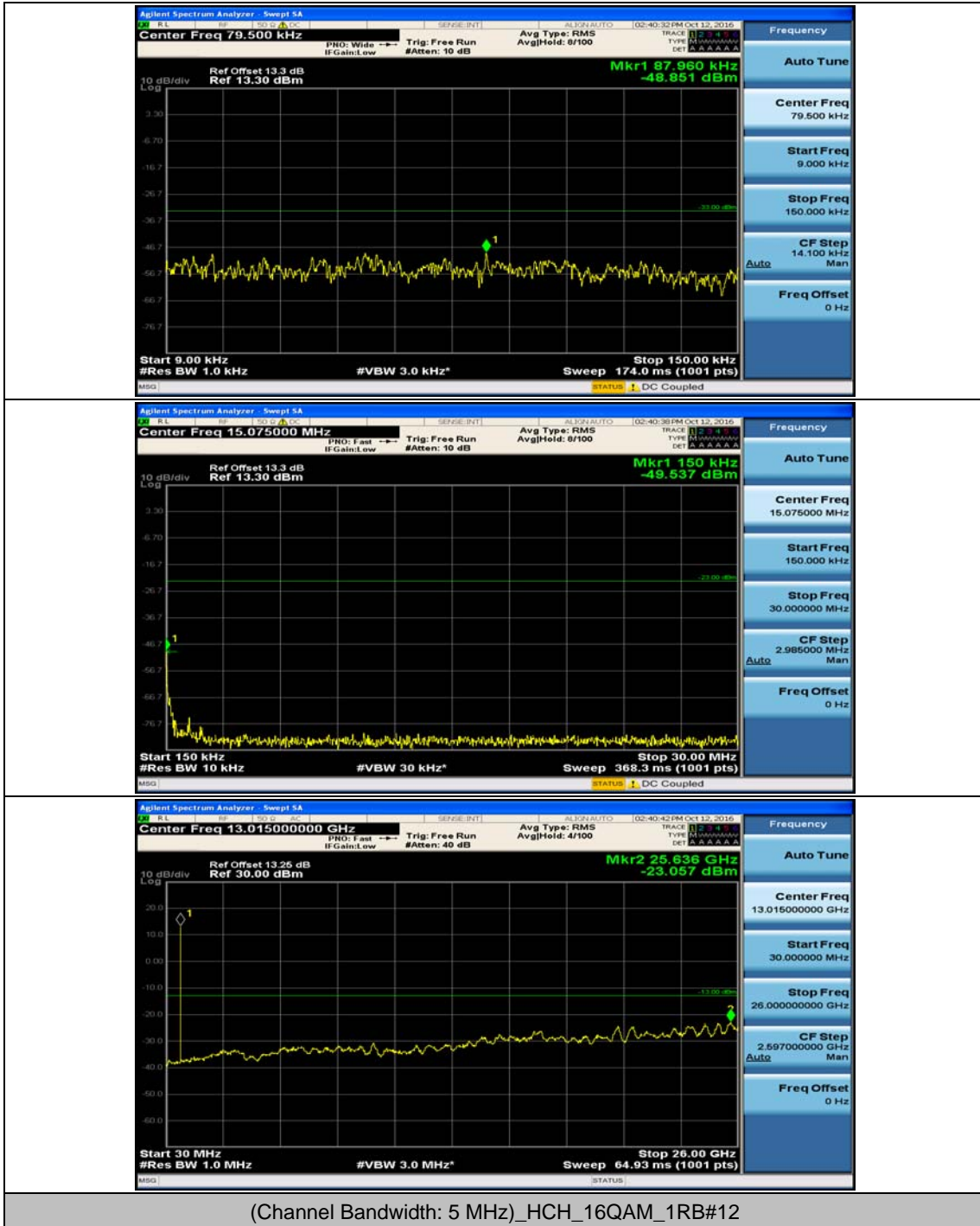
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

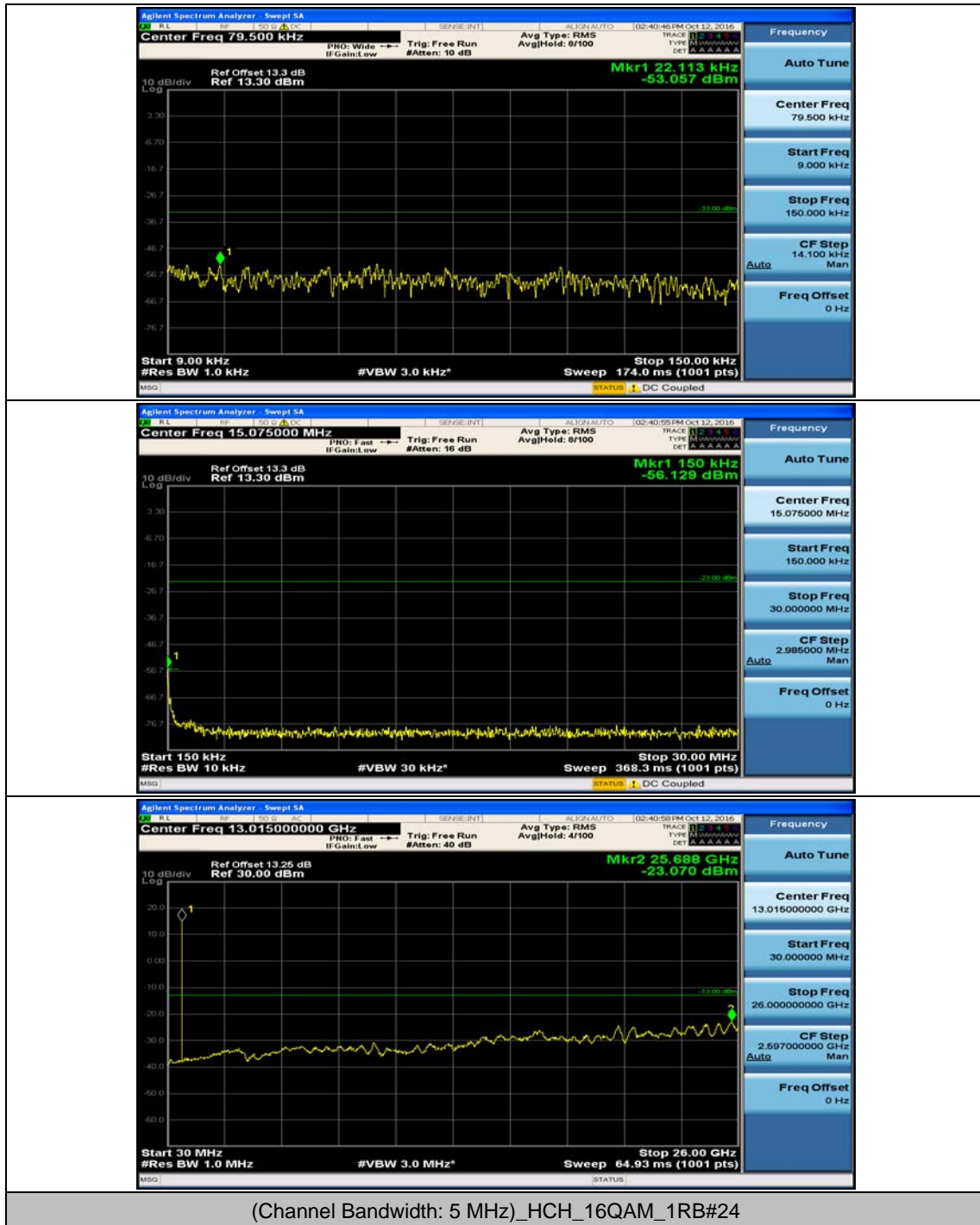


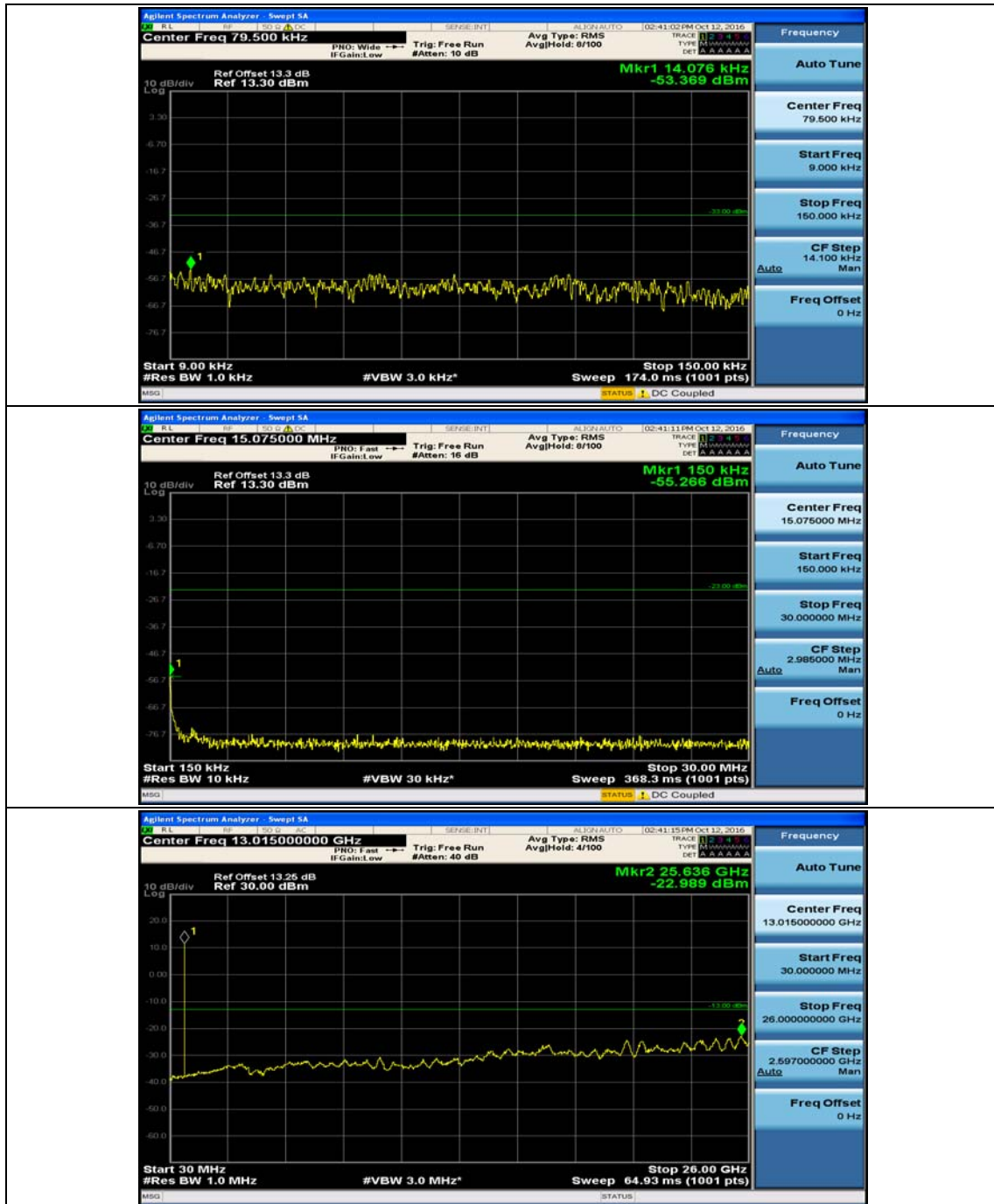




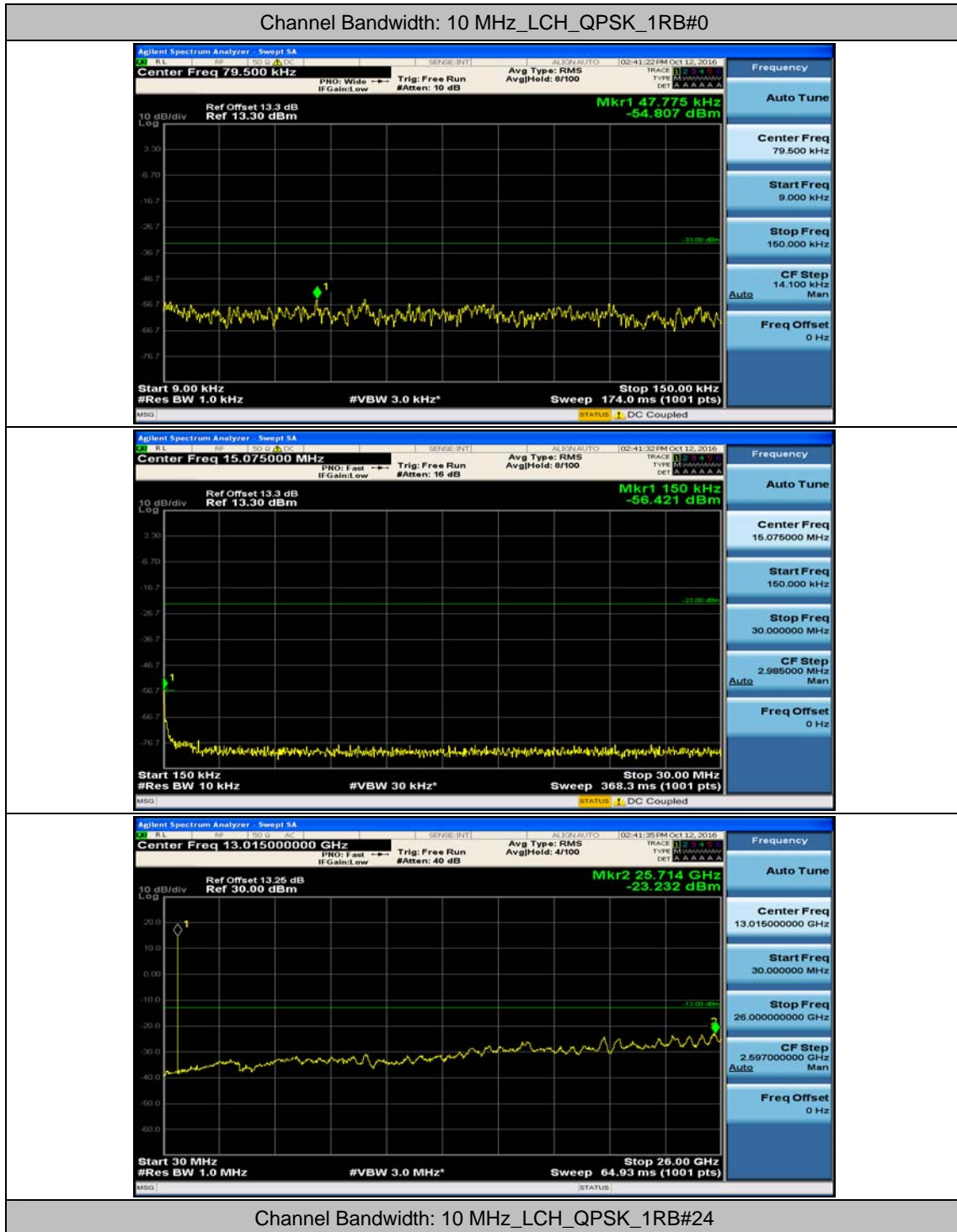
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

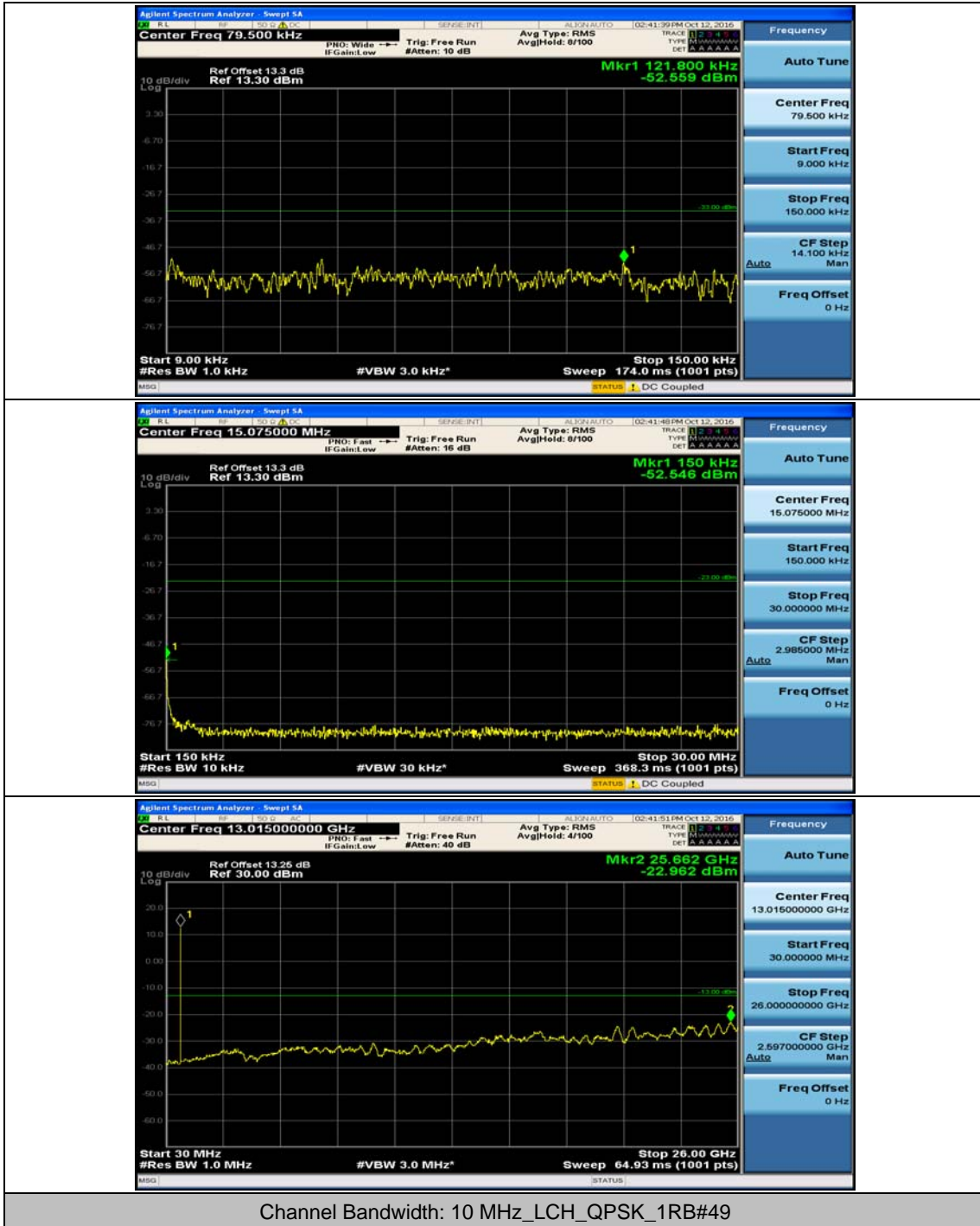


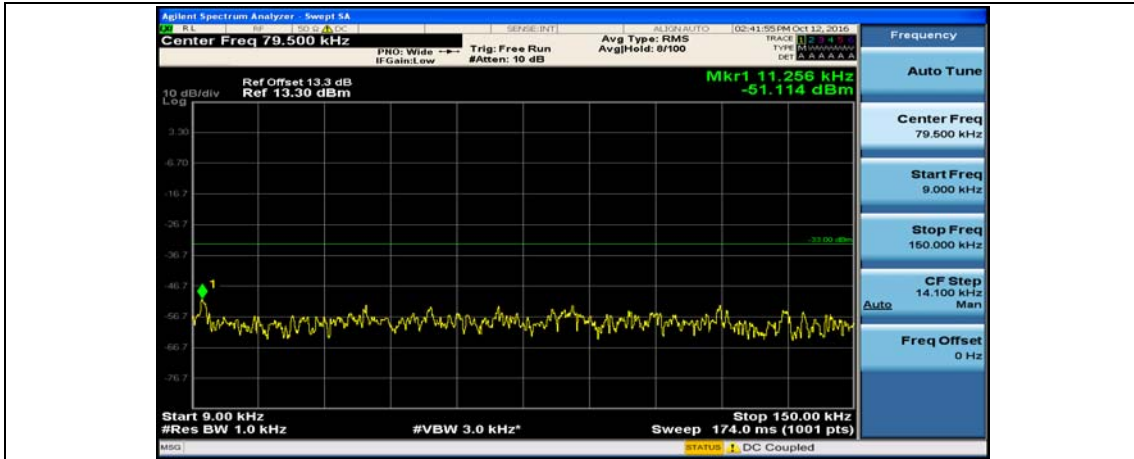




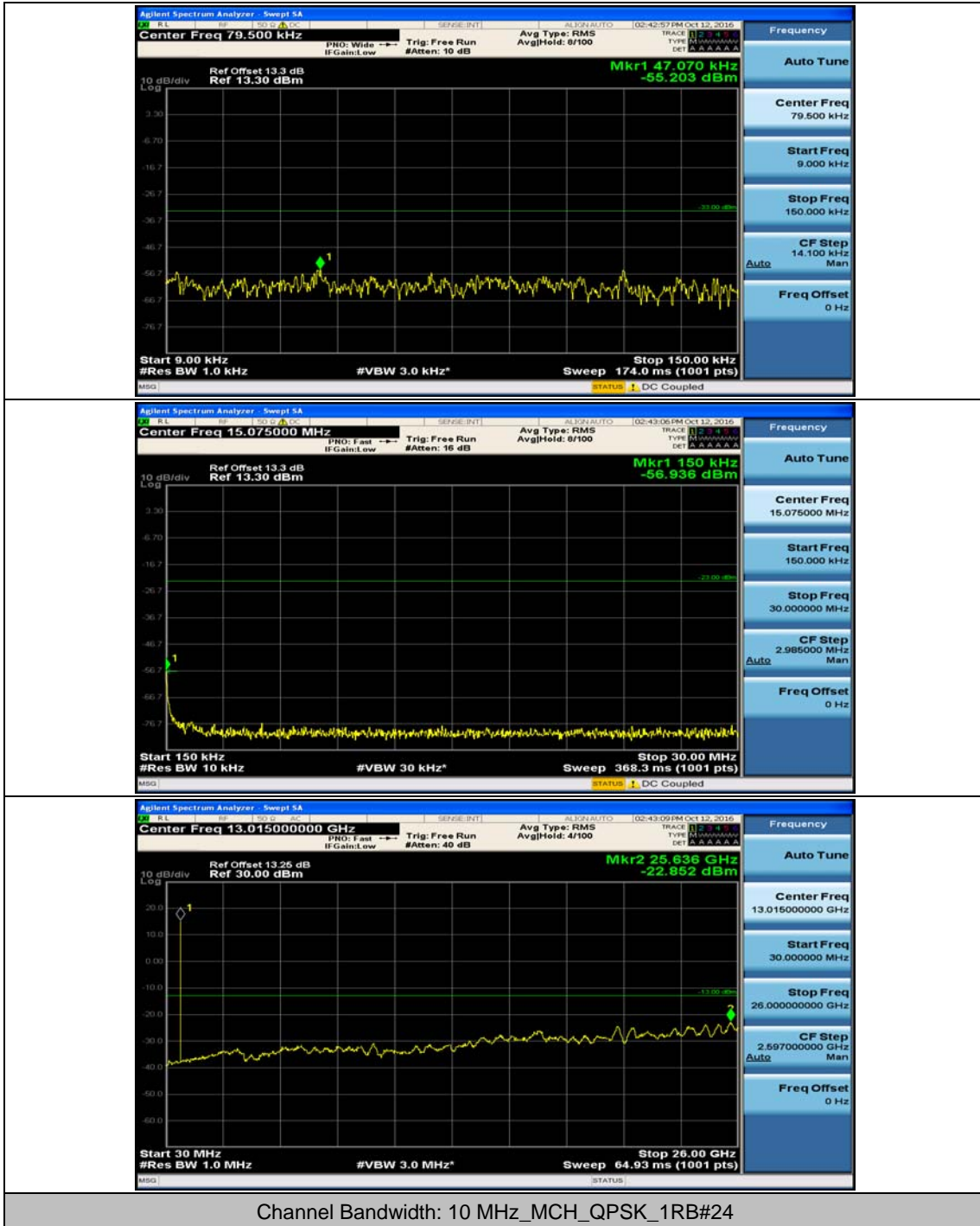
Channel Bandwidth: 10 MHz

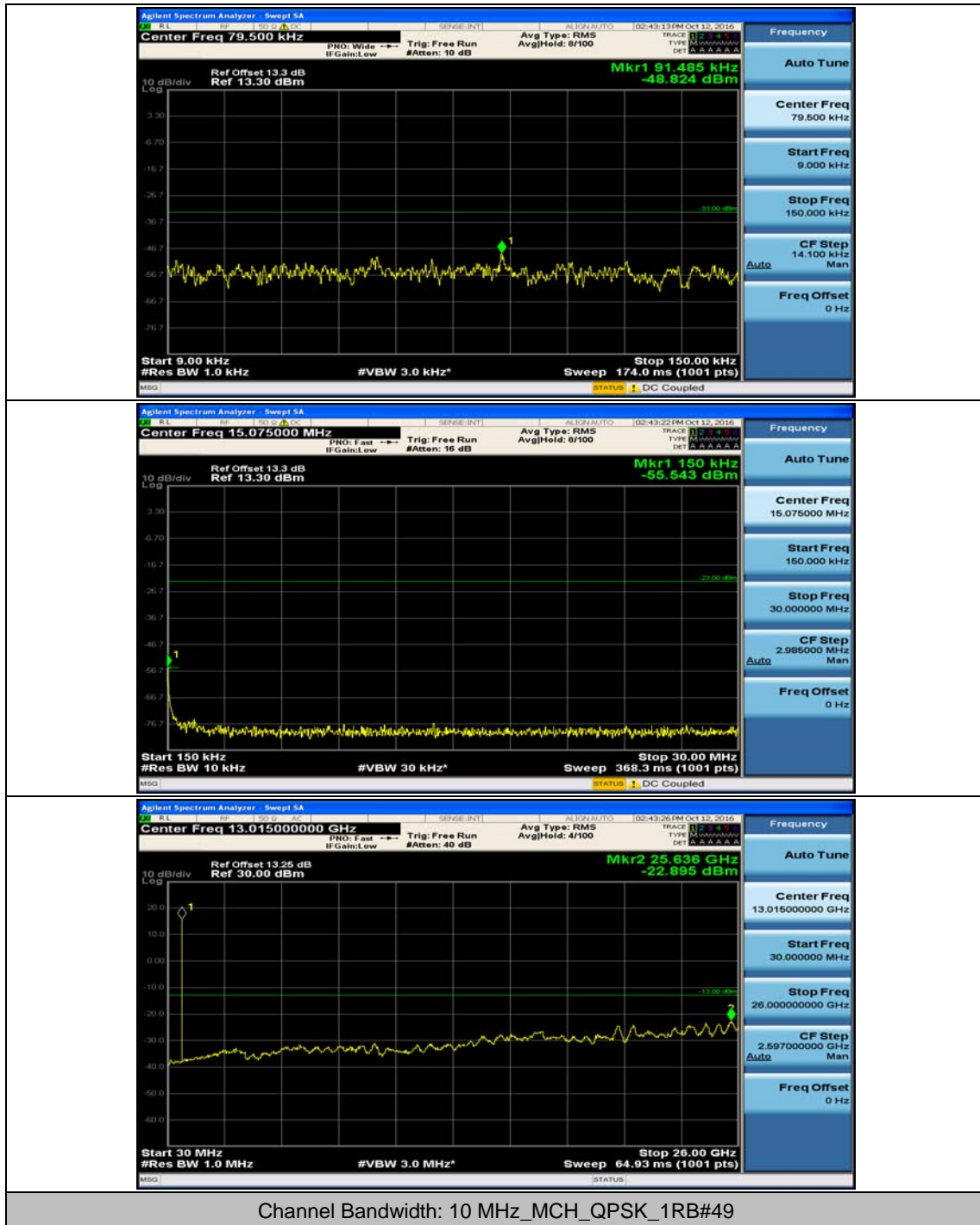


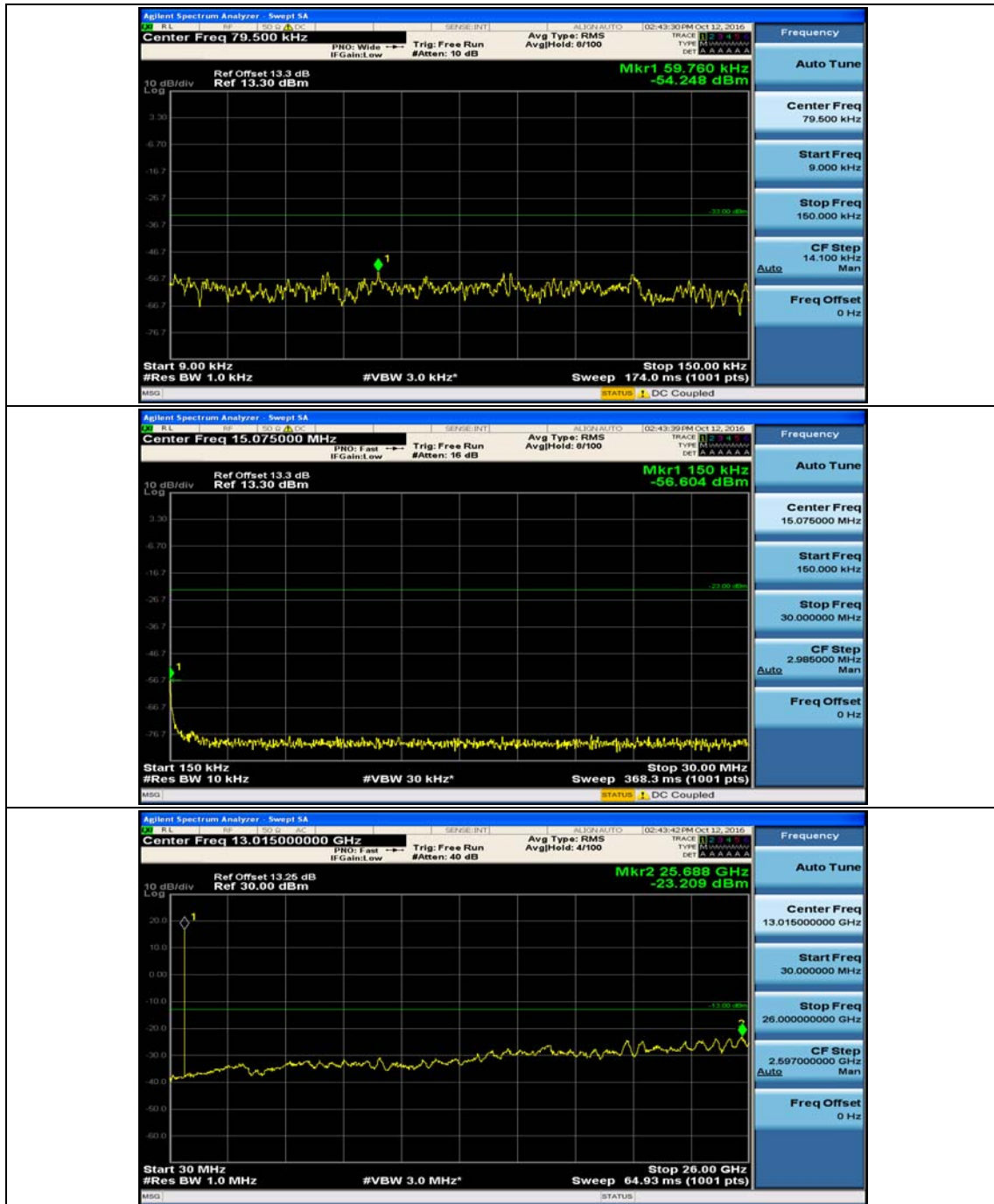




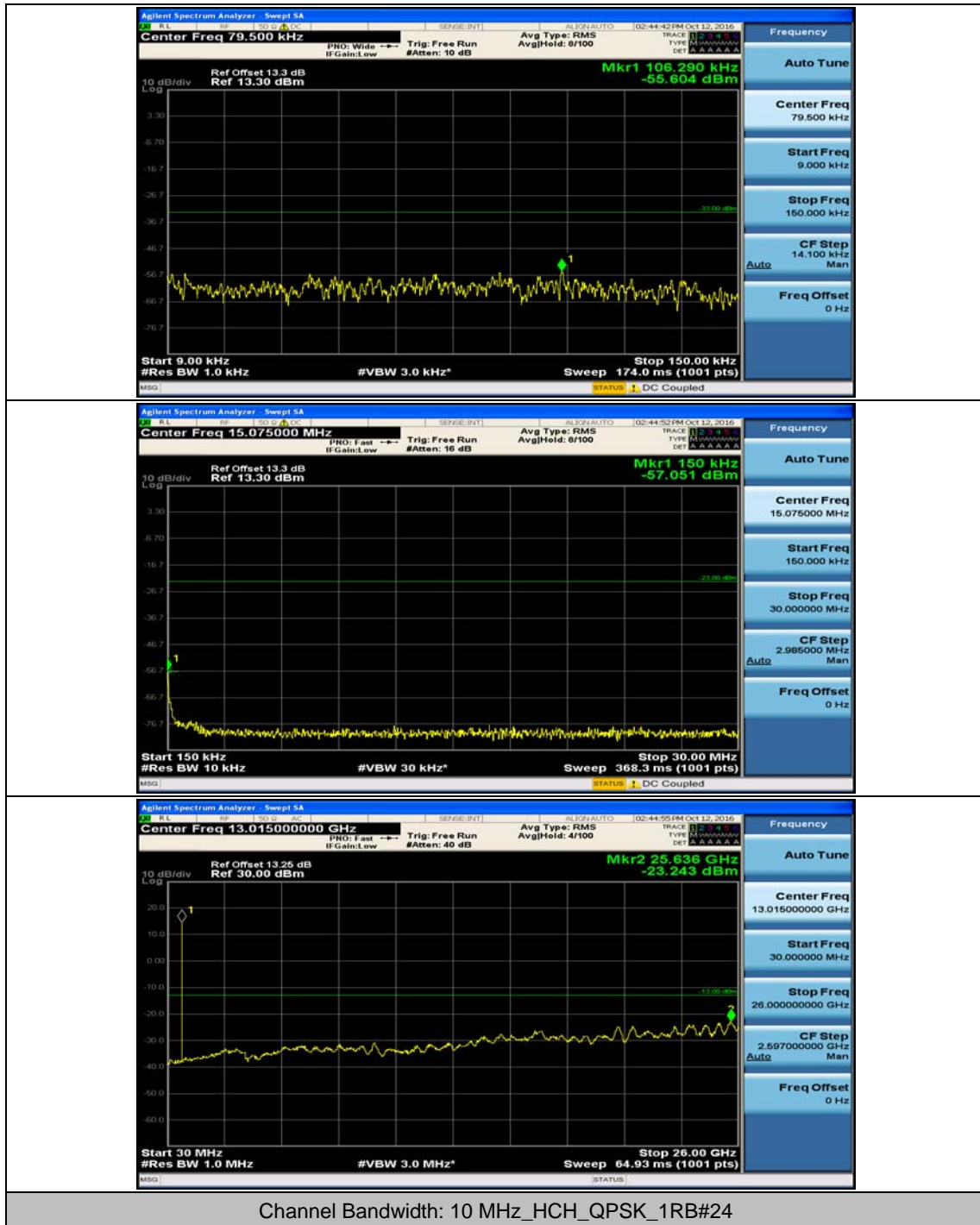
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

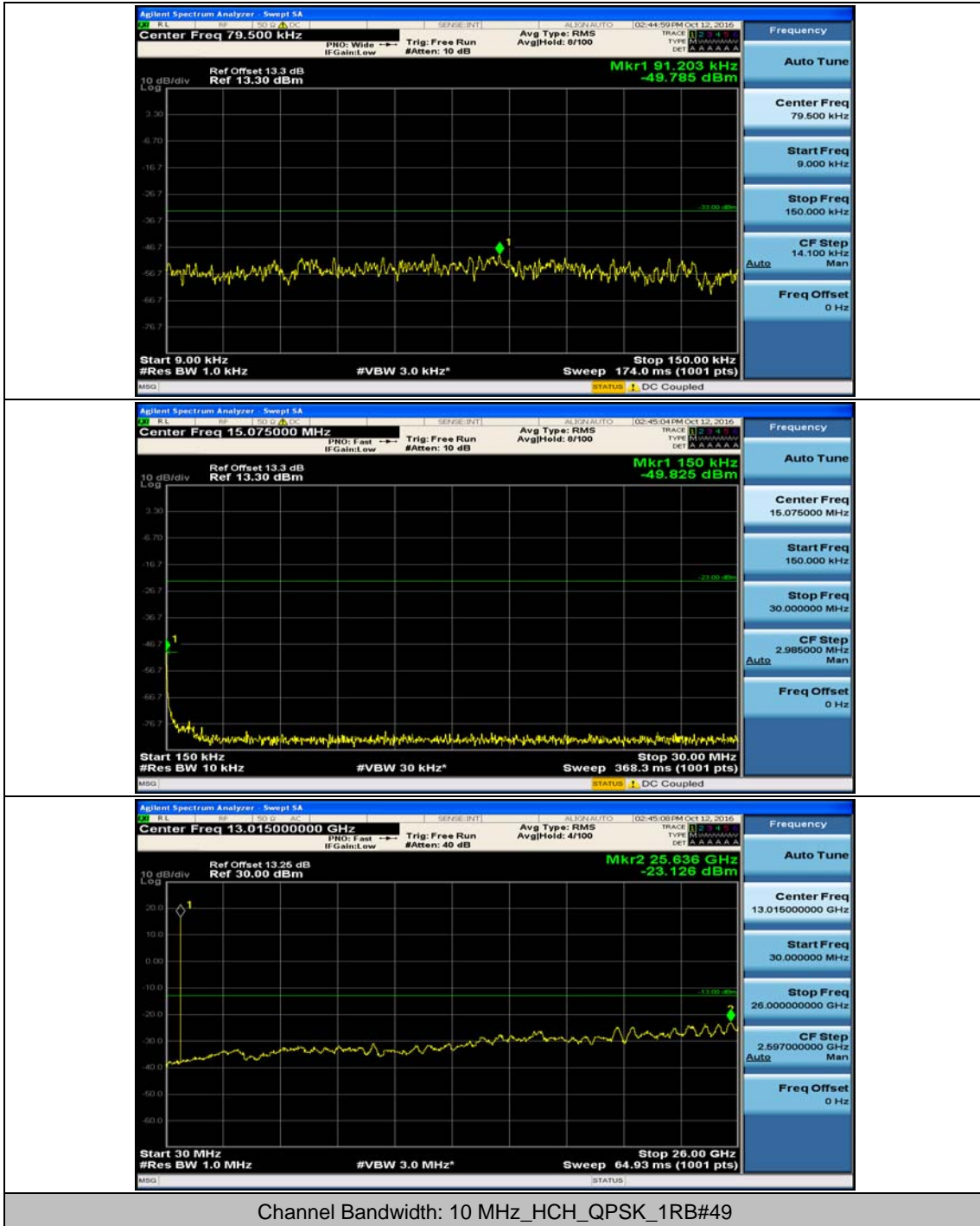


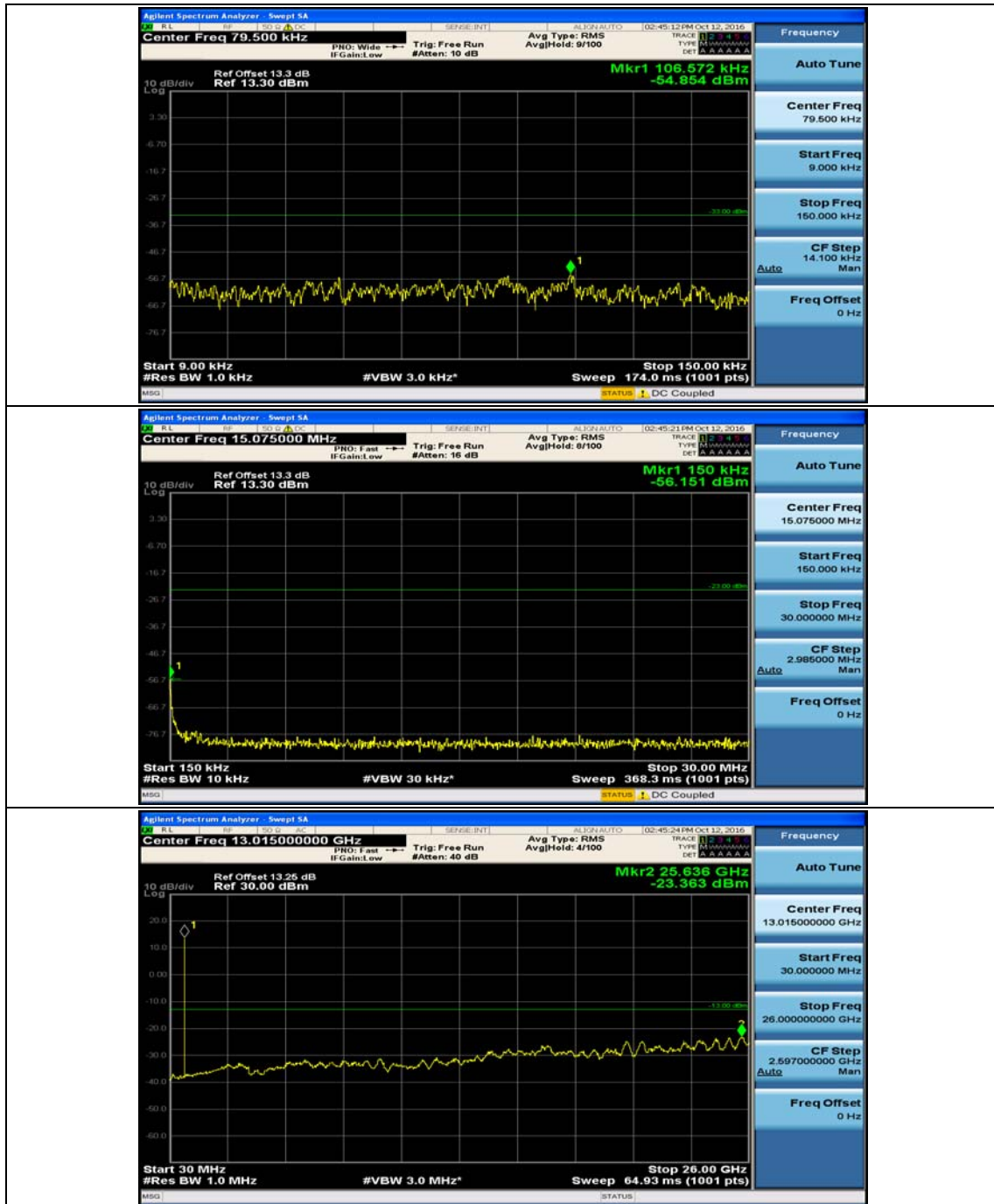




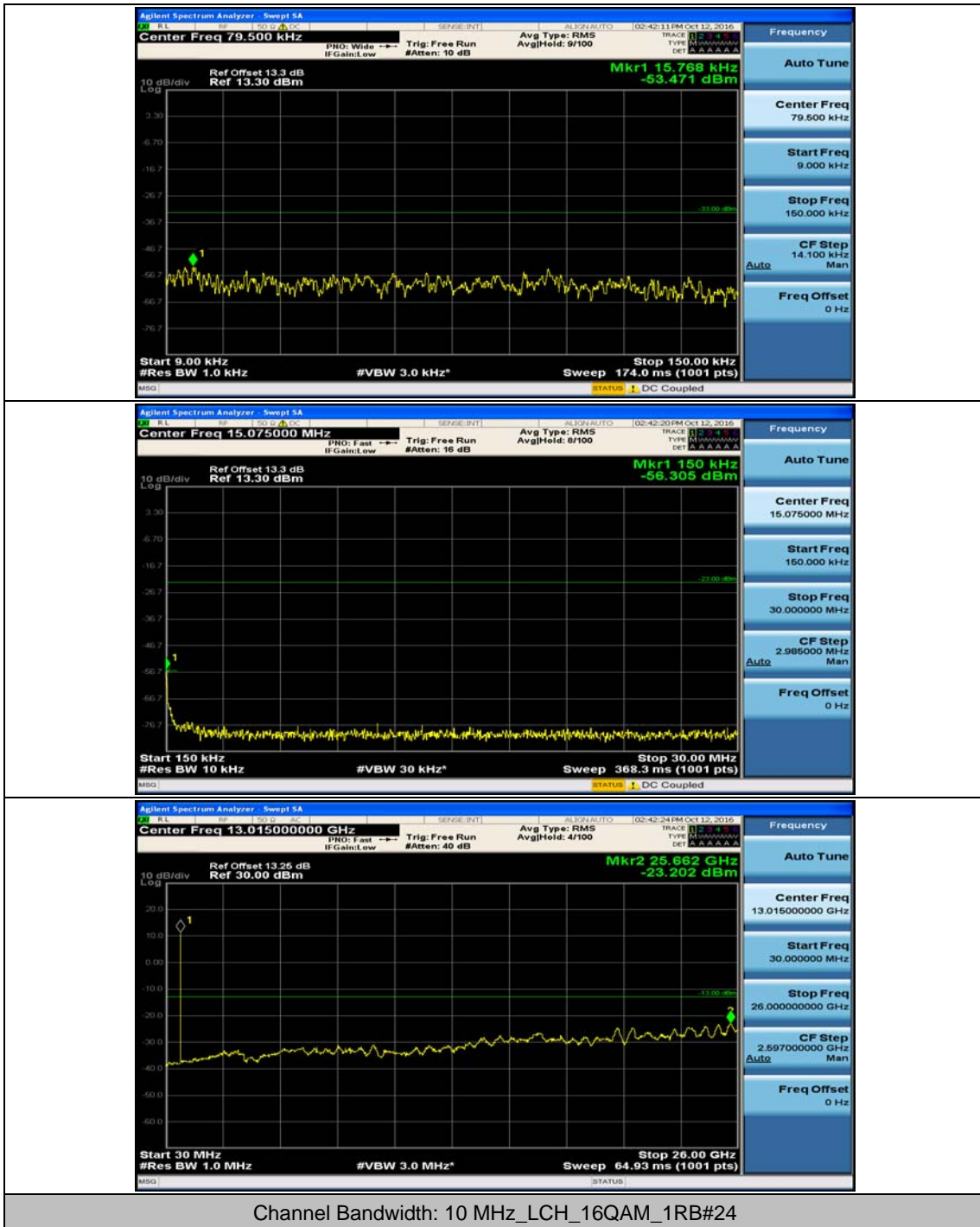
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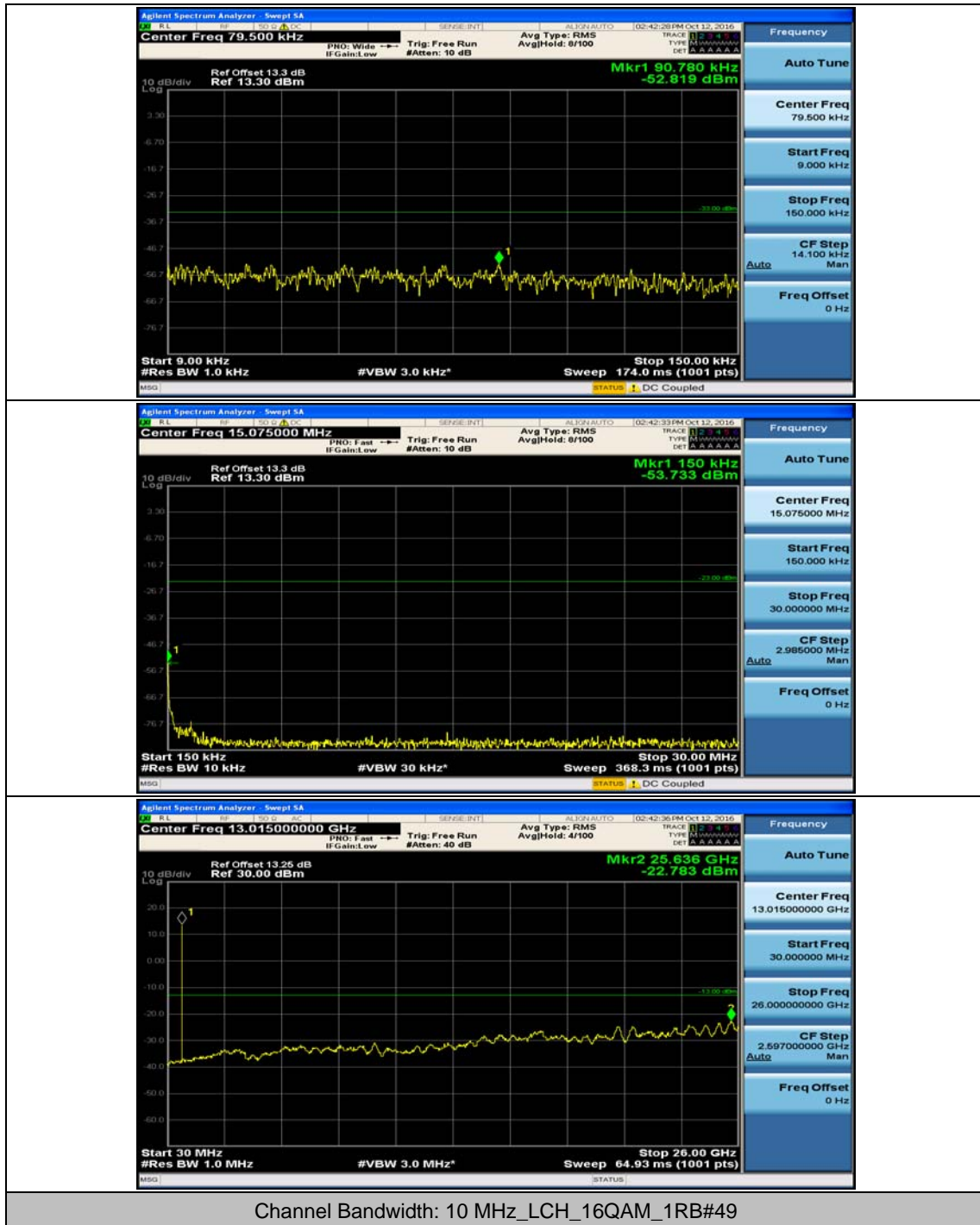


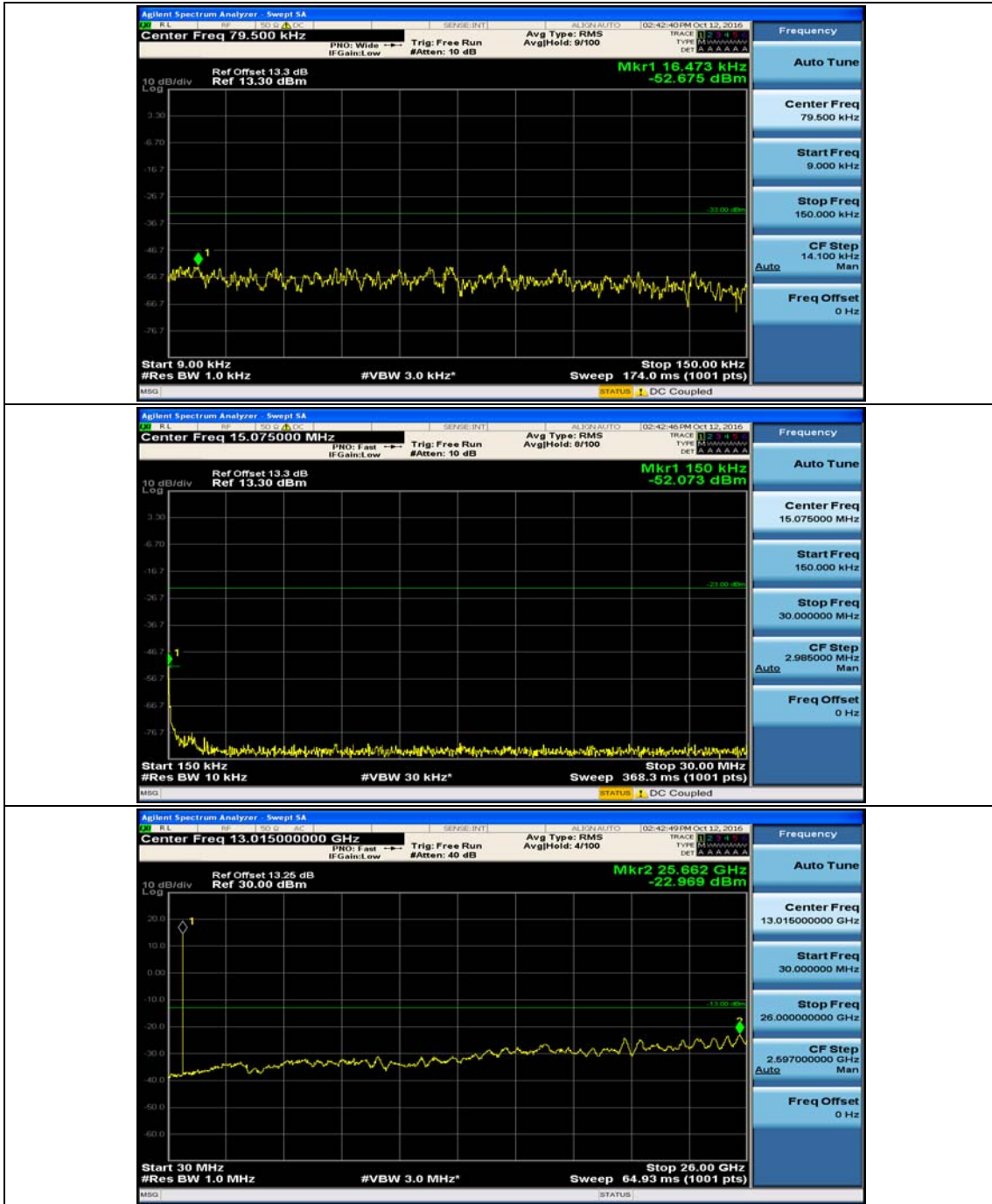




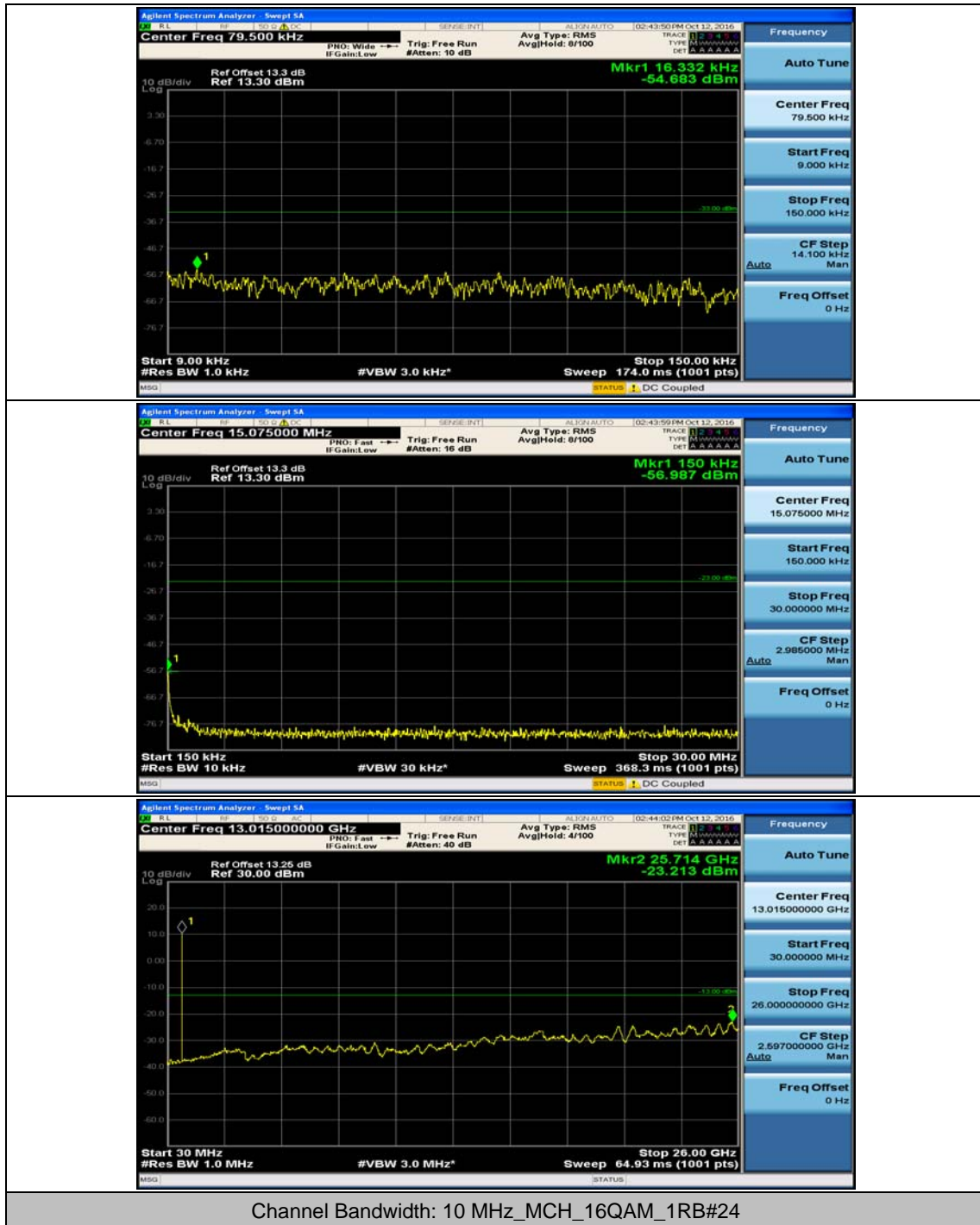
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

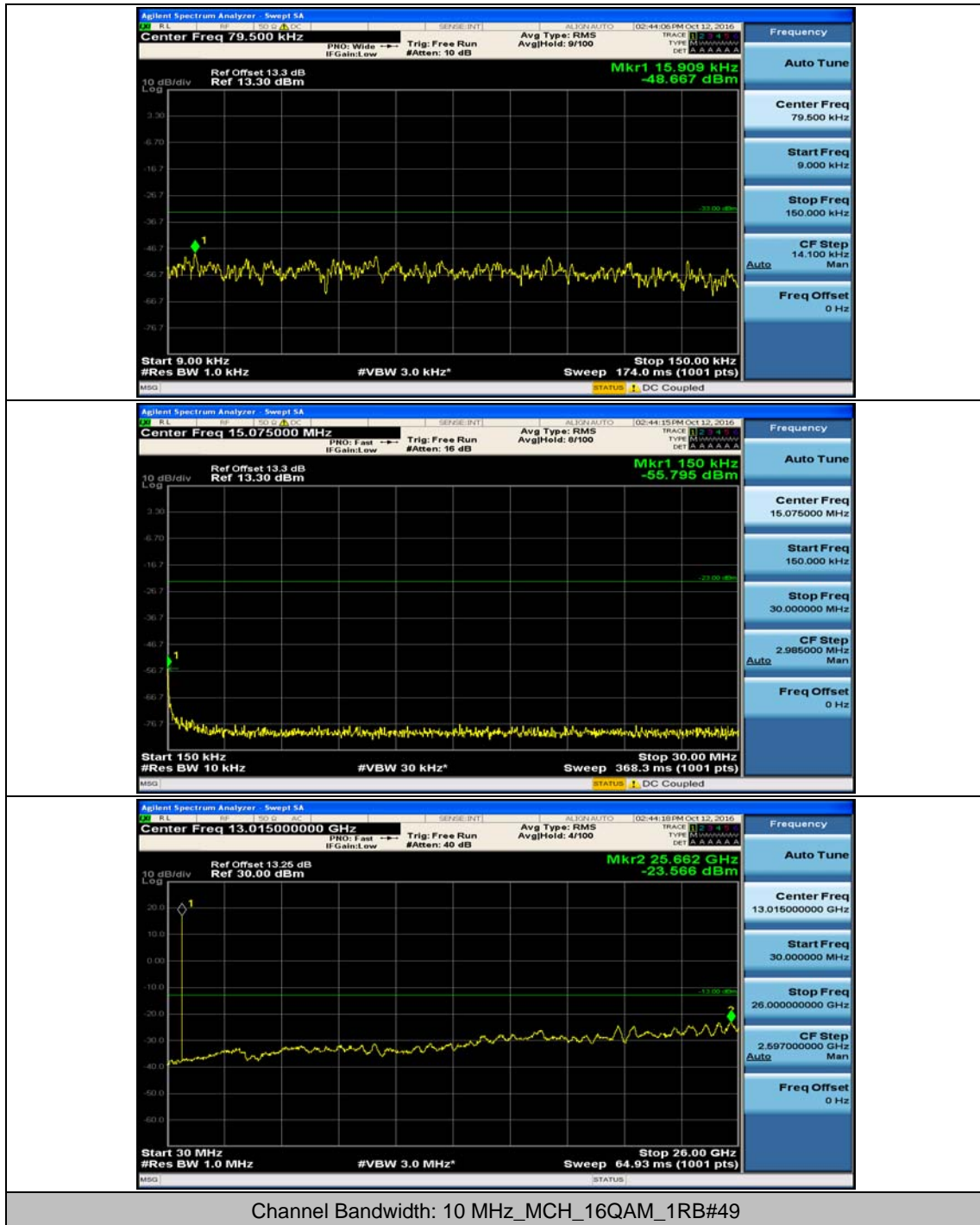


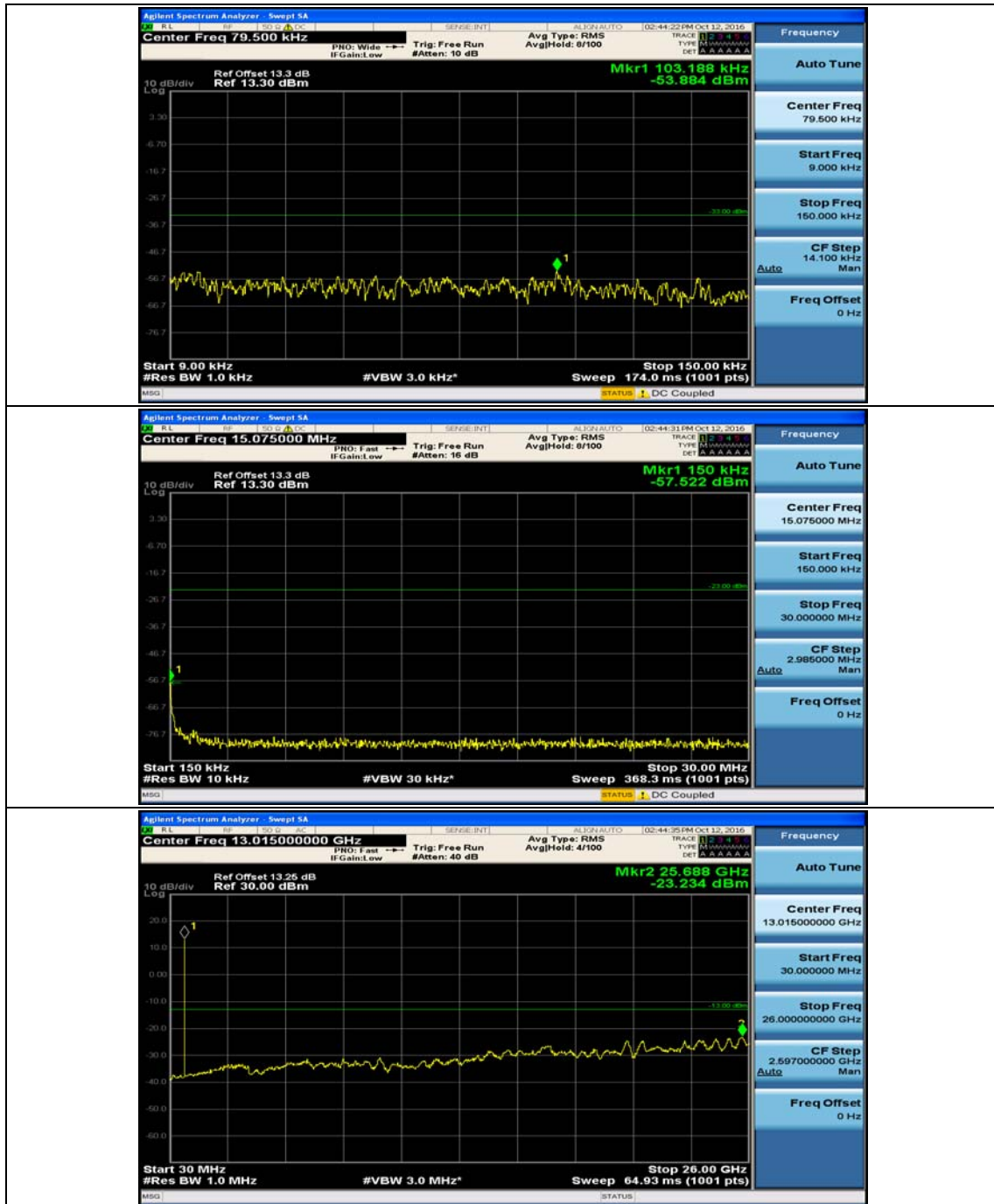




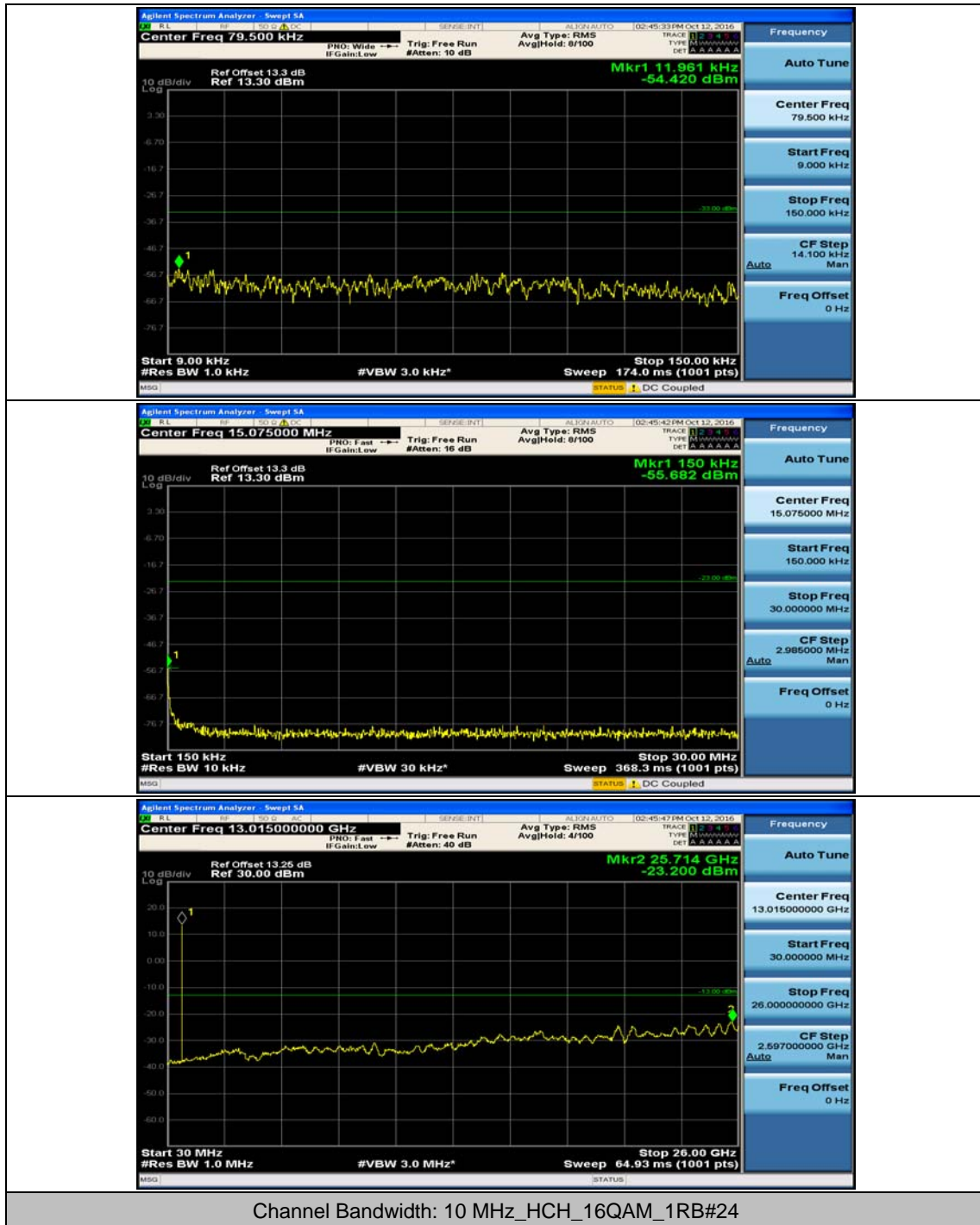
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

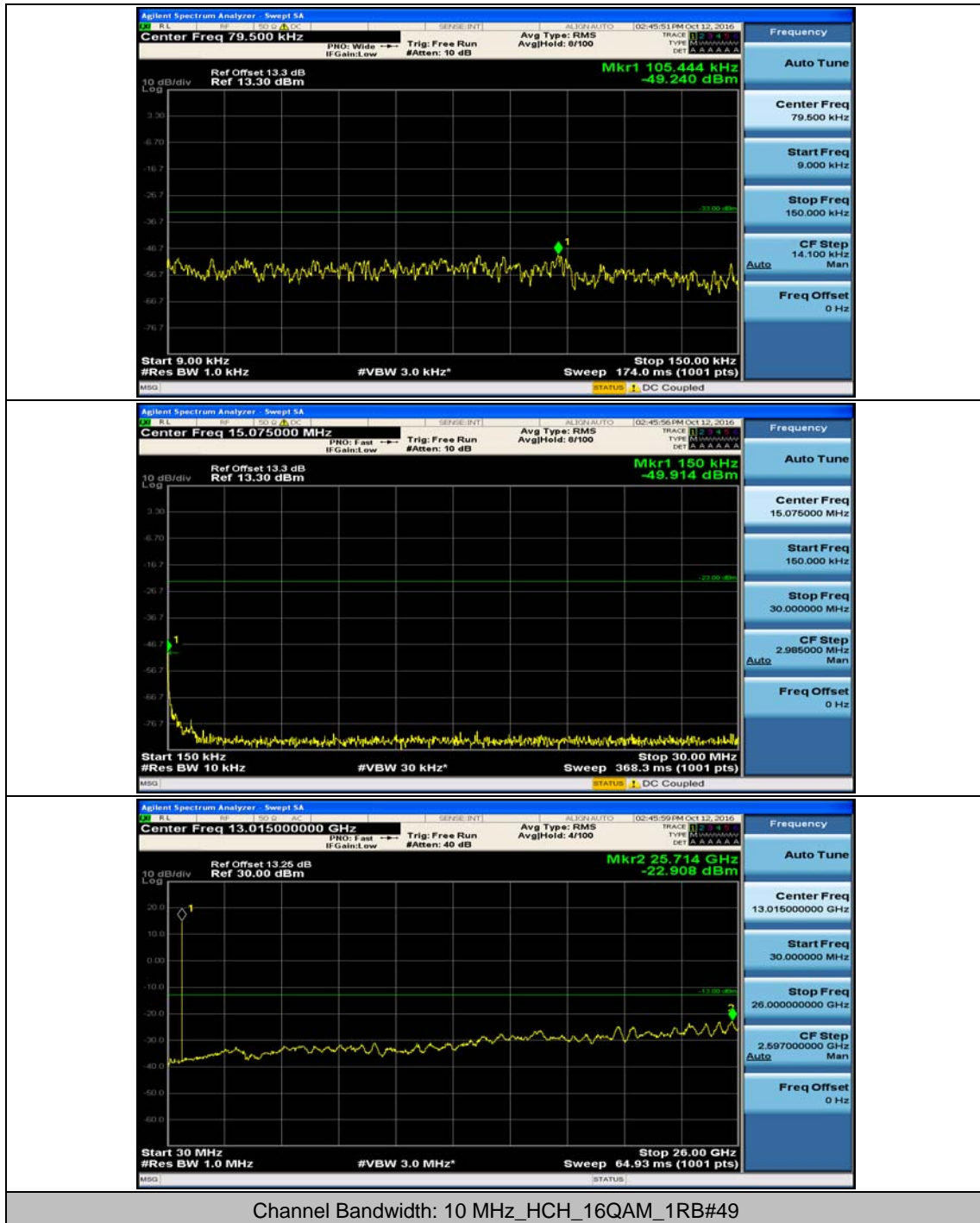


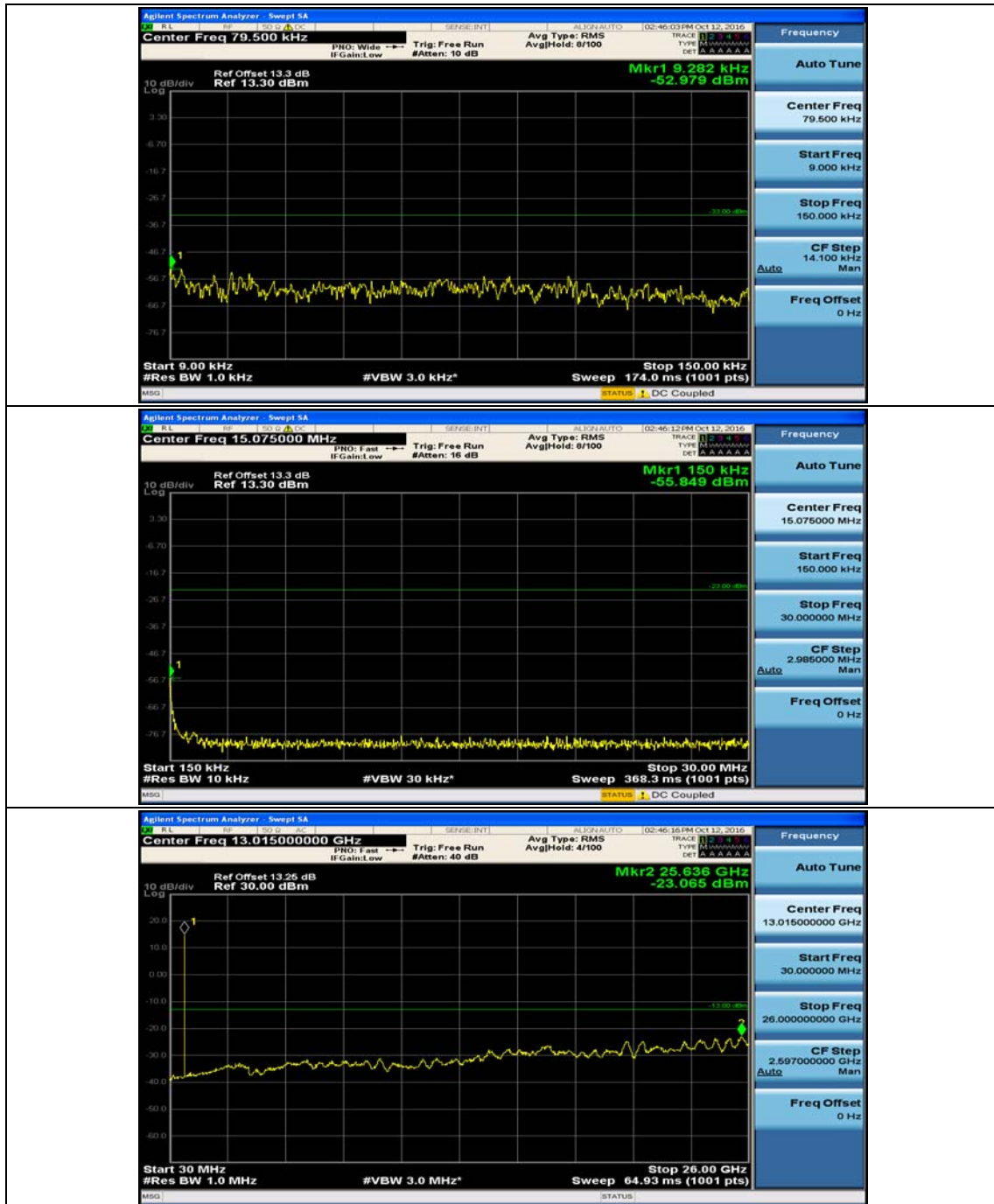




Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0







Note

9KHz~150KHz

$$\text{Limit} = [10\log(\text{RBW}_{\text{measure}} / \text{RBW}_{10\text{kHz}}) + 43 + 10\log(P)] \text{ dB}$$

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	4.41	0.006242	± 2.5	PASS
		VN	TN	0.96	0.001359	± 2.5	PASS
		VH	TN	4.87	0.006893	± 2.5	PASS
	MCH	VL	TN	3.36	0.004732	± 2.5	PASS
		VN	TN	0.65	0.000915	± 2.5	PASS
		VH	TN	4.91	0.006915	± 2.5	PASS
	HCH	VL	TN	-0.05	-0.000070	± 2.5	PASS
		VN	TN	4.22	0.005915	± 2.5	PASS
		VH	TN	0.14	0.000196	± 2.5	PASS
16QAM	LCH	VL	TN	-1.06	-0.001500	± 2.5	PASS
		VN	TN	-0.14	-0.000198	± 2.5	PASS
		VH	TN	2.23	0.003156	± 2.5	PASS
	MCH	VL	TN	-0.49	-0.000690	± 2.5	PASS
		VN	TN	2.84	0.004000	± 2.5	PASS
		VH	TN	4.49	0.006324	± 2.5	PASS
	HCH	VL	TN	2.97	0.004163	± 2.5	PASS
		VN	TN	-0.48	-0.000673	± 2.5	PASS
		VH	TN	4.62	0.006475	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.54	0.000764	± 2.5	PASS
		VN	-20	2.09	0.002958	± 2.5	PASS
		VN	-10	3.35	0.004742	± 2.5	PASS
		VN	0	1.4	0.001982	± 2.5	PASS
		VN	10	-0.95	-0.001345	± 2.5	PASS
		VN	20	0	0.000000	± 2.5	PASS
		VN	30	-1.77	-0.002505	± 2.5	PASS
		VN	40	-0.3	-0.000425	± 2.5	PASS
		VN	50	4.74	0.006709	± 2.5	PASS
	MCH	VN	-30	0.11	0.000155	± 2.5	PASS
		VN	-20	4.94	0.006958	± 2.5	PASS
		VN	-10	-1.73	-0.002437	± 2.5	PASS

		VN	0	4.51	0.006352	± 2.5	PASS		
		VN	10	4.01	0.005648	± 2.5	PASS		
		VN	20	-0.79	-0.001113	± 2.5	PASS		
		VN	30	-0.54	-0.000761	± 2.5	PASS		
		VN	40	0.68	0.000958	± 2.5	PASS		
		VN	50	3.41	0.004803	± 2.5	PASS		
	HCH	VN	-30	-0.56	-0.000785	± 2.5	PASS		
		VN	-20	3.3	0.004625	± 2.5	PASS		
		VN	-10	3.9	0.005466	± 2.5	PASS		
		VN	0	1.93	0.002705	± 2.5	PASS		
		VN	10	-1.93	-0.002705	± 2.5	PASS		
		VN	20	-1.46	-0.002046	± 2.5	PASS		
		VN	30	4.18	0.005858	± 2.5	PASS		
		VN	40	1.36	0.001906	± 2.5	PASS		
		VN	50	3.68	0.005158	± 2.5	PASS		
		16QAM	LCH	VN	-30	4.61	0.006525	± 2.5	PASS
				VN	-20	0.08	0.000113	± 2.5	PASS
				VN	-10	0.3	0.000425	± 2.5	PASS
VN	0			2.4	0.003397	± 2.5	PASS		
VN	10			-0.74	-0.001047	± 2.5	PASS		
VN	20			0.46	0.000651	± 2.5	PASS		
VN	30			0.82	0.001161	± 2.5	PASS		
VN	40			0.41	0.000580	± 2.5	PASS		
VN	50			3.72	0.005265	± 2.5	PASS		
MCH	VN		-30	-0.13	-0.000182	± 2.5	PASS		
	VN		-20	-1.14	-0.001598	± 2.5	PASS		
	VN		-10	3.9	0.005466	± 2.5	PASS		
	VN		0	1.96	0.002747	± 2.5	PASS		
	VN		10	1.12	0.001570	± 2.5	PASS		
	VN		20	2.61	0.003658	± 2.5	PASS		
	VN		30	-1.8	-0.002523	± 2.5	PASS		
	VN		40	-0.37	-0.000519	± 2.5	PASS		
	VN		50	4.3	0.006027	± 2.5	PASS		
HCH	VN		-30	2.92	0.004093	± 2.5	PASS		
	VN		-20	0.8	0.001121	± 2.5	PASS		
	VN		-10	0.69	0.000967	± 2.5	PASS		
	VN		0	3.96	0.005550	± 2.5	PASS		
	VN		10	2.28	0.003196	± 2.5	PASS		
	VN		20	-1.94	-0.002719	± 2.5	PASS		
	VN		30	0.57	0.000799	± 2.5	PASS		
	VN		40	3.25	0.004555	± 2.5	PASS		

		VN	50	1.38	0.001934	± 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	-1.64	-0.002313	± 2.5	PASS
		VN	TN	4.92	0.006939	± 2.5	PASS
		VH	TN	4.38	0.006178	± 2.5	PASS
	MCH	VL	TN	-0.58	-0.000817	± 2.5	PASS
		VN	TN	2.41	0.003394	± 2.5	PASS
		VH	TN	-1.29	-0.001817	± 2.5	PASS
	HCH	VL	TN	1.14	0.001603	± 2.5	PASS
		VN	TN	2.95	0.004149	± 2.5	PASS
		VH	TN	0.38	0.000534	± 2.5	PASS
16QAM	LCH	VL	TN	0.41	0.000578	± 2.5	PASS
		VN	TN	-1.85	-0.002609	± 2.5	PASS
		VH	TN	-1.12	-0.001580	± 2.5	PASS
	MCH	VL	TN	-0.98	-0.001380	± 2.5	PASS
		VN	TN	-1.45	-0.002042	± 2.5	PASS
		VH	TN	0.94	0.001324	± 2.5	PASS
	HCH	VL	TN	0.45	0.000633	± 2.5	PASS
		VN	TN	0.94	0.001322	± 2.5	PASS
		VH	TN	-0.13	-0.000183	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.98	-0.001382	± 2.5	PASS
		VN	-20	3.79	0.005346	± 2.5	PASS
		VN	-10	-0.69	-0.000973	± 2.5	PASS
		VN	0	0.26	0.000367	± 2.5	PASS
		VN	10	3.09	0.004358	± 2.5	PASS
		VN	20	3.18	0.004485	± 2.5	PASS
		VN	30	-1.7	-0.002398	± 2.5	PASS
		VN	40	2.98	0.004203	± 2.5	PASS
		VN	50	-0.66	-0.000931	± 2.5	PASS
	MCH	VN	-30	0.16	0.000225	± 2.5	PASS
		VN	-20	3.06	0.004310	± 2.5	PASS
		VN	-10	-1.74	-0.002451	± 2.5	PASS
		VN	0	2.68	0.003775	± 2.5	PASS
		VN	10	4.97	0.007000	± 2.5	PASS

		VN	20	4.3	0.006056	± 2.5	PASS
		VN	30	4.46	0.006282	± 2.5	PASS
		VN	40	-0.93	-0.001310	± 2.5	PASS
		VN	50	1.51	0.002127	± 2.5	PASS
	HCH	VN	-30	-0.37	-0.000520	± 2.5	PASS
		VN	-20	1.09	0.001533	± 2.5	PASS
		VN	-10	4.77	0.006709	± 2.5	PASS
		VN	0	1.4	0.001969	± 2.5	PASS
		VN	10	-0.37	-0.000520	± 2.5	PASS
		VN	20	0.34	0.000478	± 2.5	PASS
		VN	30	3.56	0.005007	± 2.5	PASS
		VN	40	2.69	0.003783	± 2.5	PASS
		VN	50	-0.06	-0.000084	± 2.5	PASS
		16QAM	LCH	VN	-30	3.94	0.005549
VN	-20			-1.01	-0.001423	± 2.5	PASS
VN	-10			1.28	0.001803	± 2.5	PASS
VN	0			-1.38	-0.001944	± 2.5	PASS
VN	10			4.11	0.005789	± 2.5	PASS
VN	20			3.4	0.004789	± 2.5	PASS
VN	30			3.56	0.005014	± 2.5	PASS
VN	40			4.12	0.005803	± 2.5	PASS
VN	50			-0.56	-0.000789	± 2.5	PASS
MCH	VN		-30	-1.23	-0.001730	± 2.5	PASS
	VN		-20	-0.9	-0.001266	± 2.5	PASS
	VN		-10	-0.09	-0.000127	± 2.5	PASS
	VN		0	0.09	0.000127	± 2.5	PASS
	VN		10	3.11	0.004374	± 2.5	PASS
	VN		20	0.09	0.000127	± 2.5	PASS
	VN		30	-0.46	-0.000647	± 2.5	PASS
	VN		40	2.28	0.003207	± 2.5	PASS
	VN		50	1.92	0.002700	± 2.5	PASS
HCH	VN		-30	4.02	0.005654	± 2.5	PASS
	VN		-20	4.4	0.006188	± 2.5	PASS
	VN		-10	3.96	0.005570	± 2.5	PASS
	VN		0	2.44	0.003432	± 2.5	PASS
	VN		10	3.69	0.005190	± 2.5	PASS
	VN		20	0.35	0.000492	± 2.5	PASS
	VN		30	2.91	0.004093	± 2.5	PASS
	VN		40	3.9	0.005485	± 2.5	PASS
	VN		50	1.36	0.001913	± 2.5	PASS