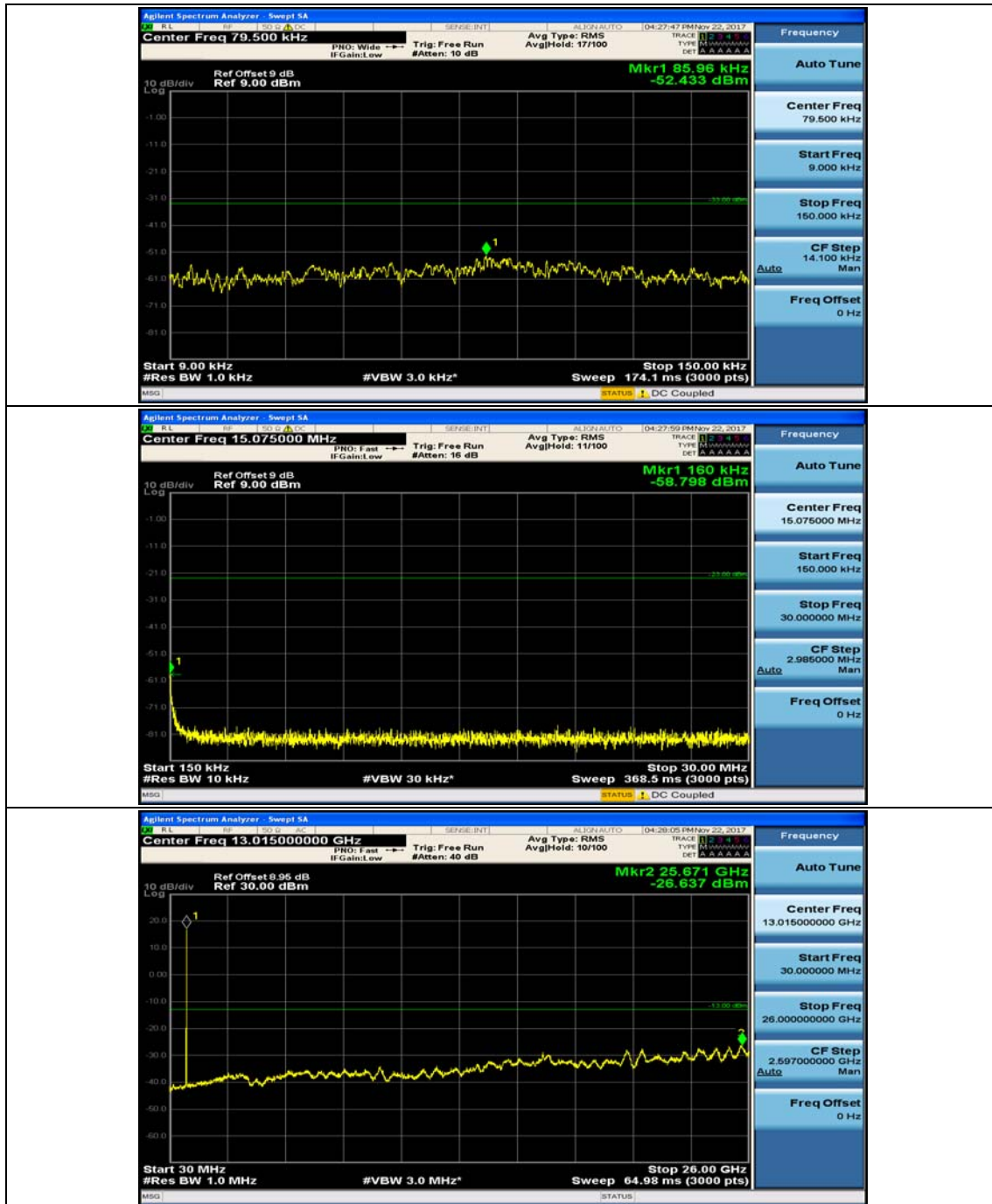
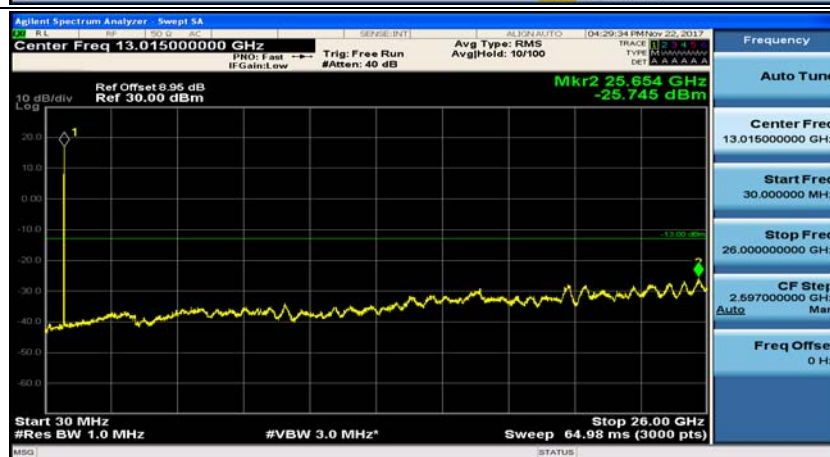
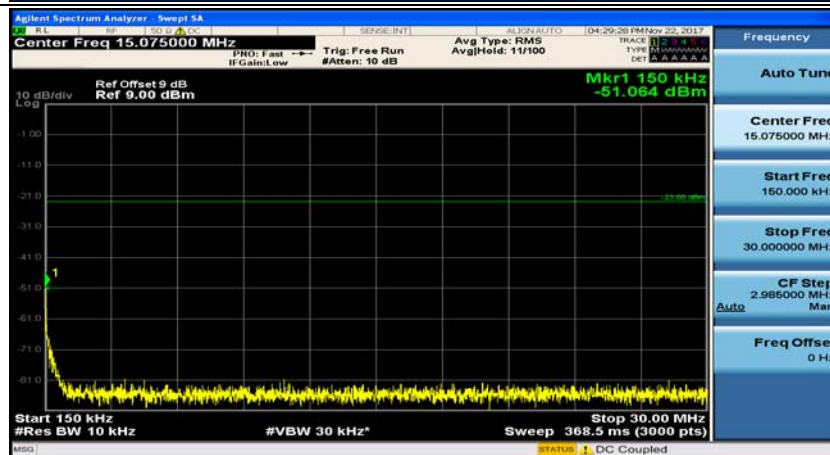
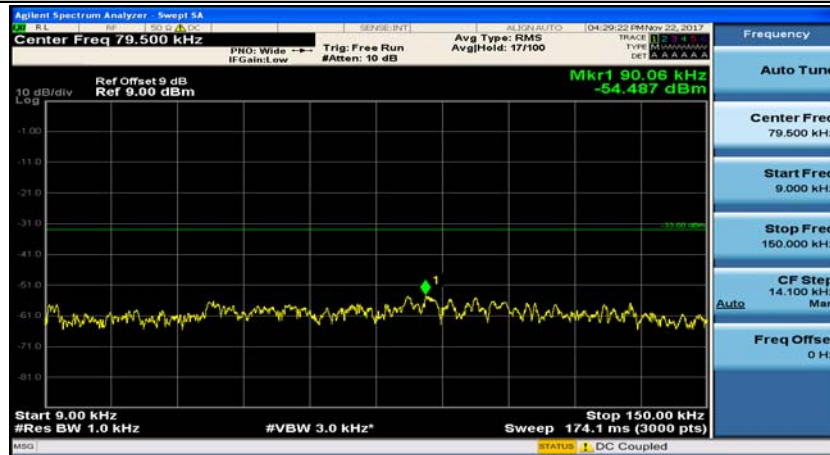
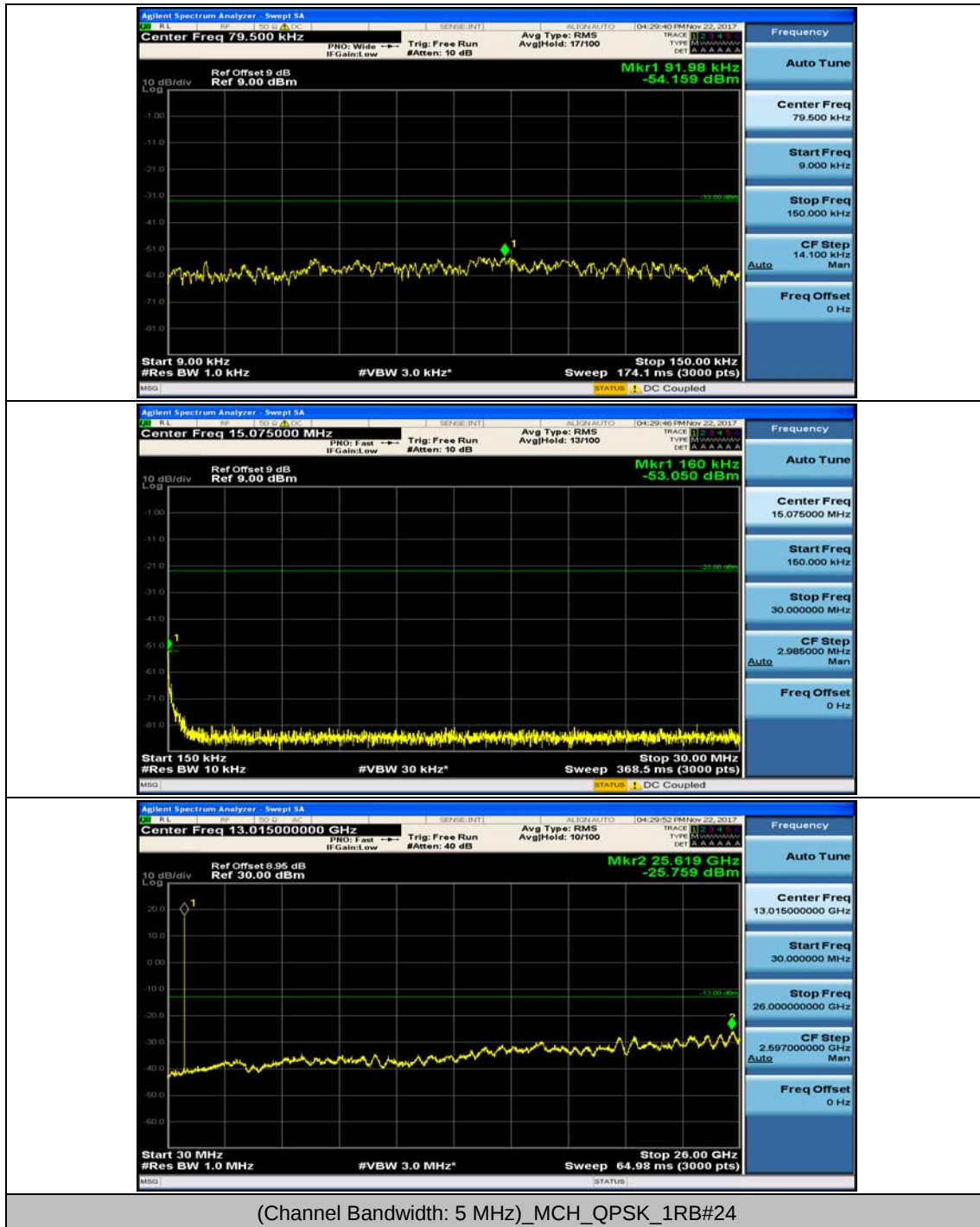


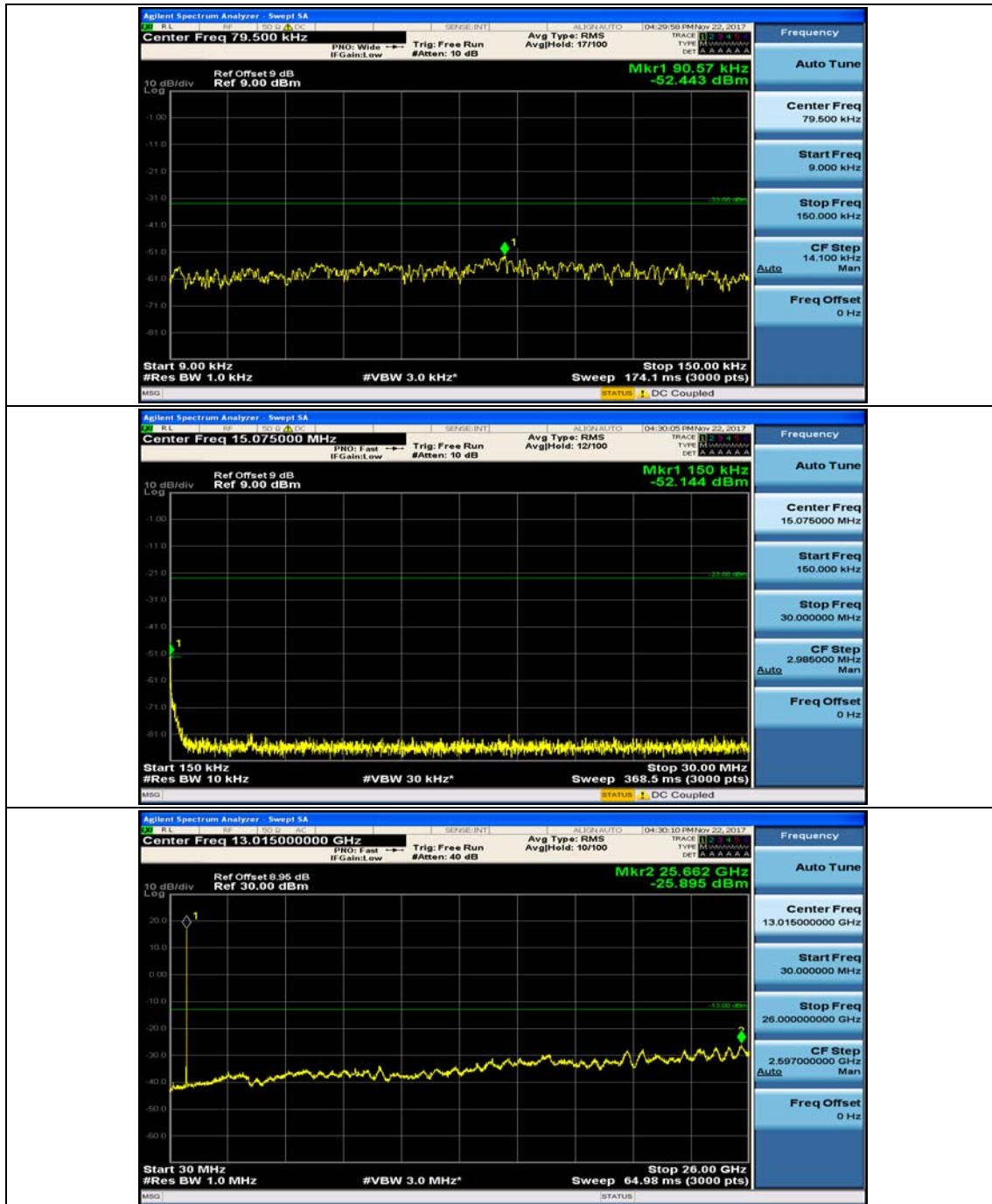


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

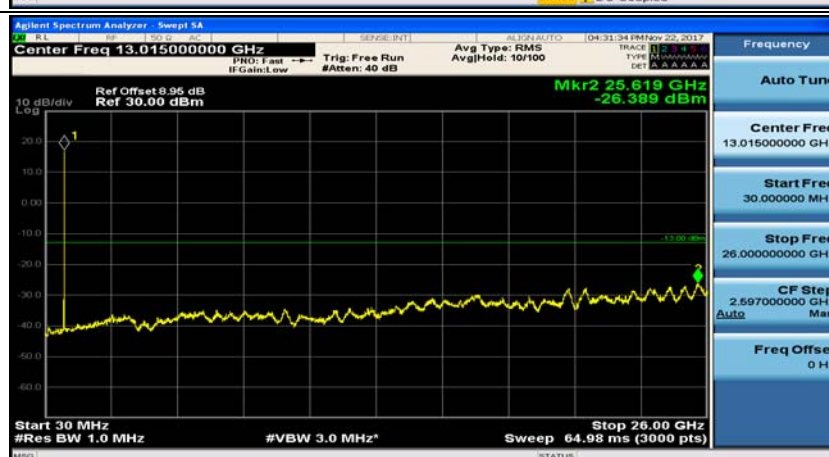
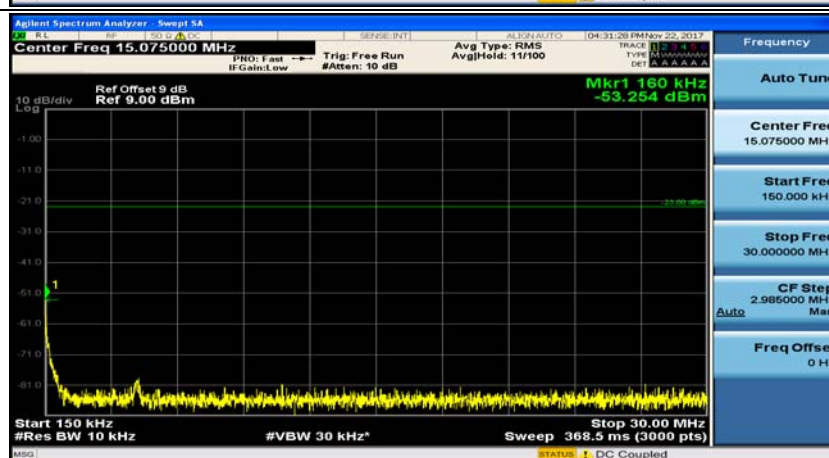
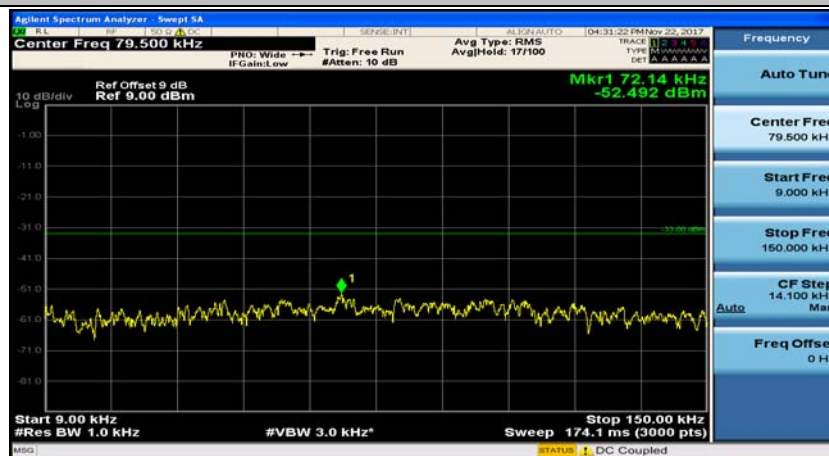


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

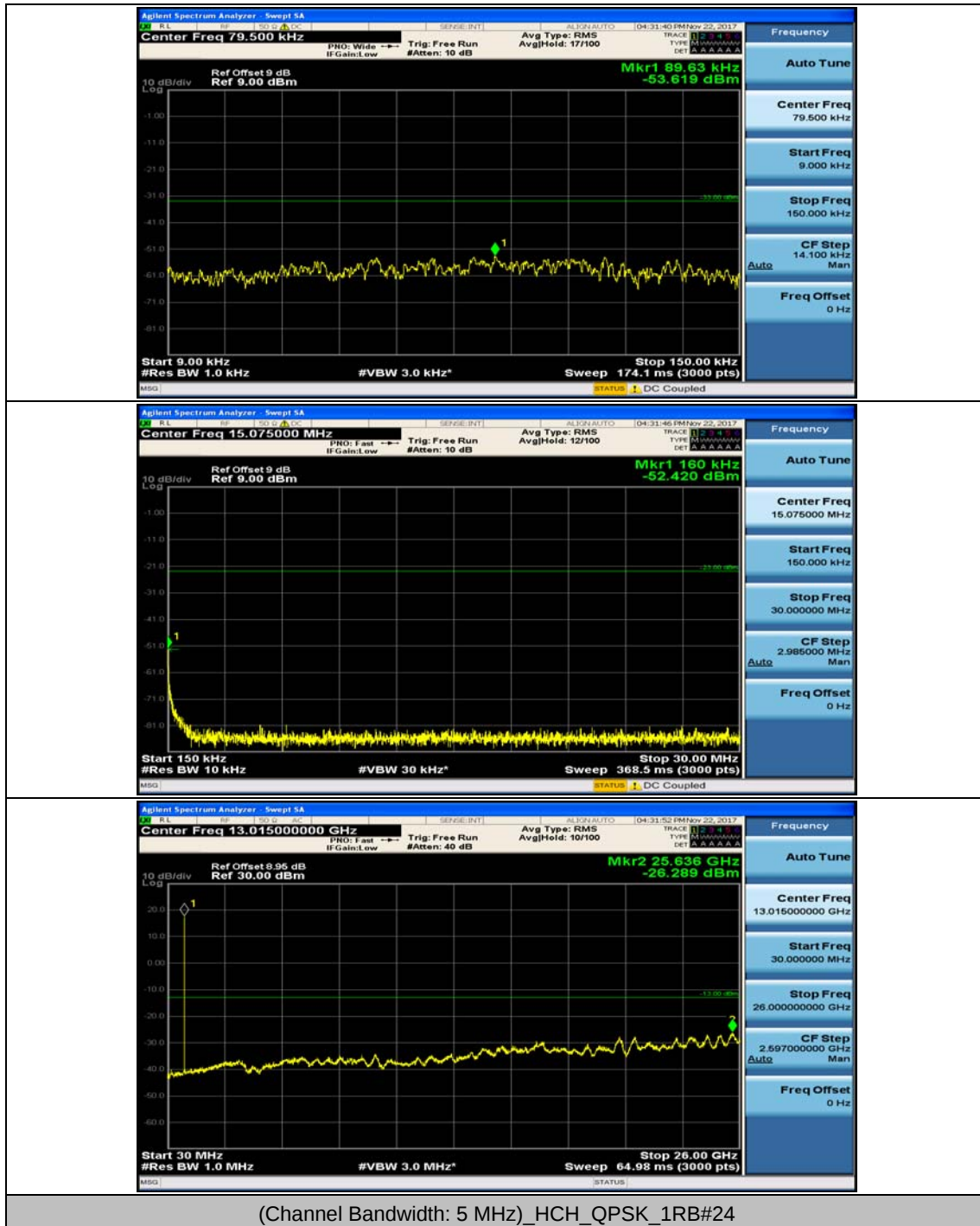


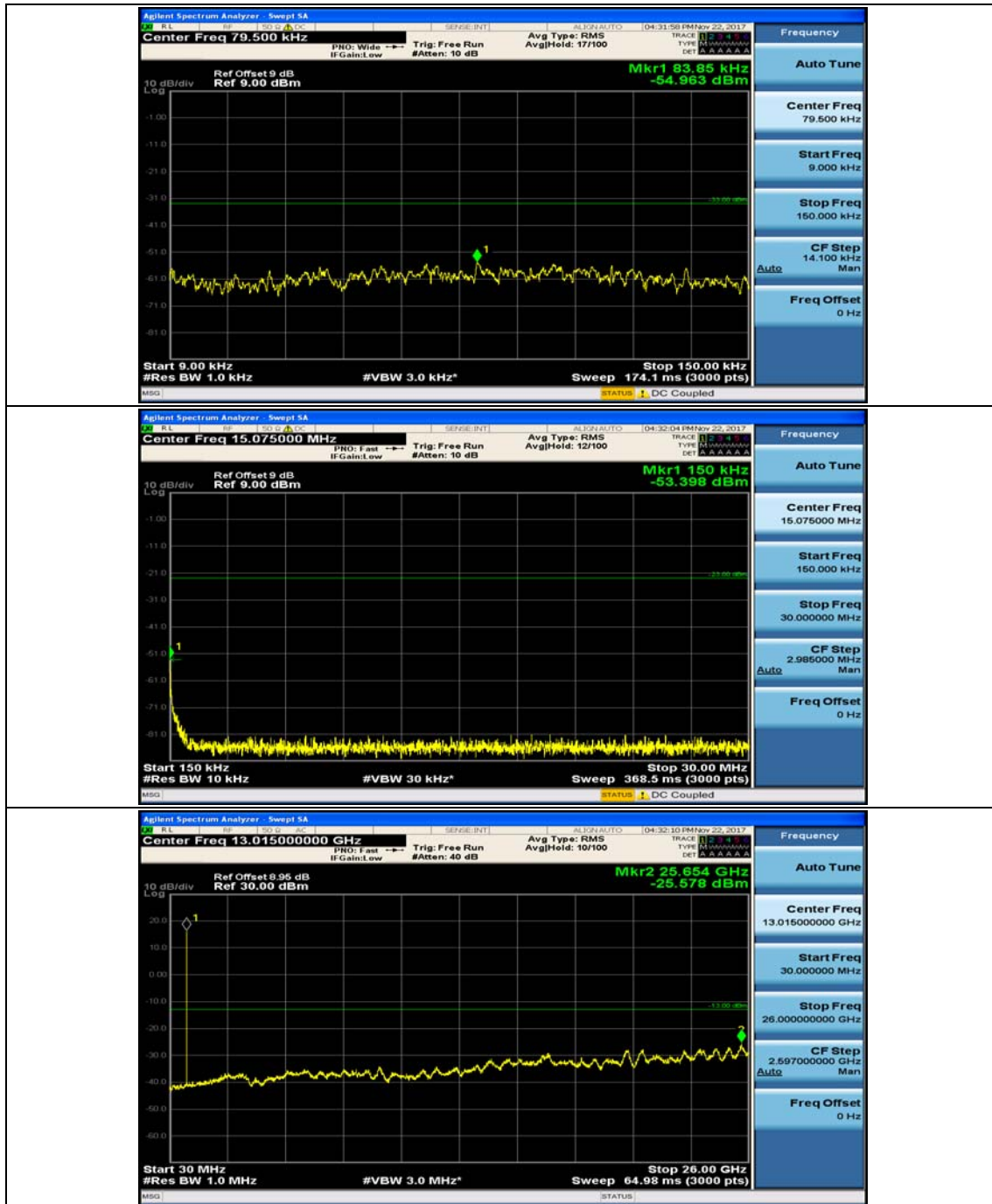


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

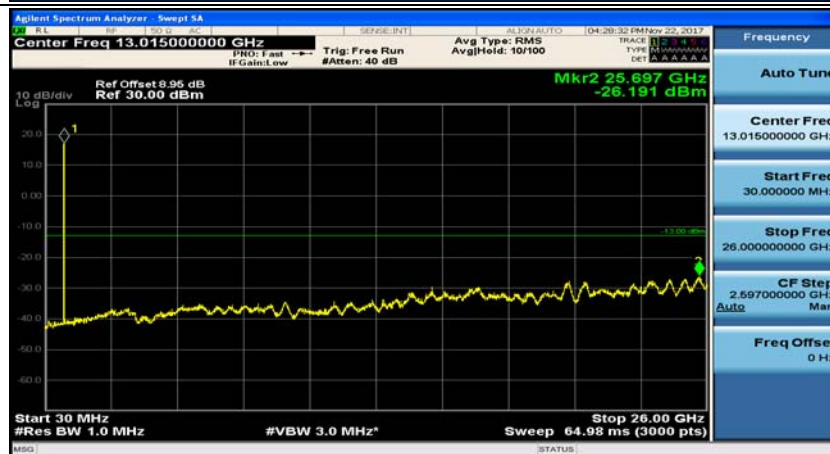
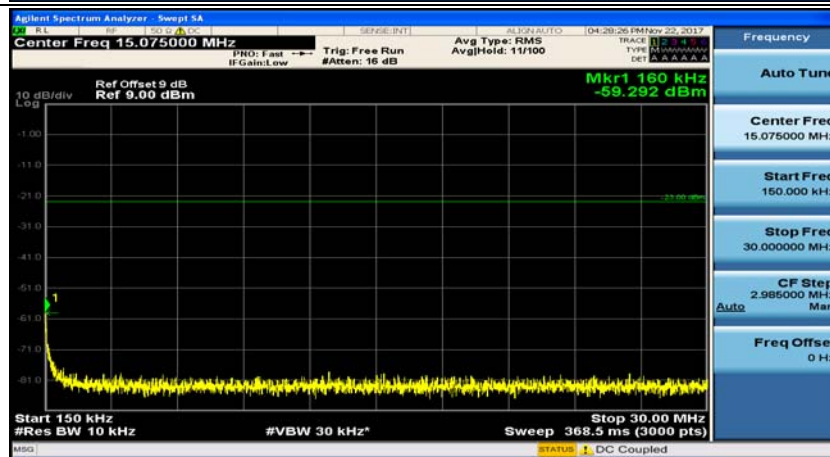
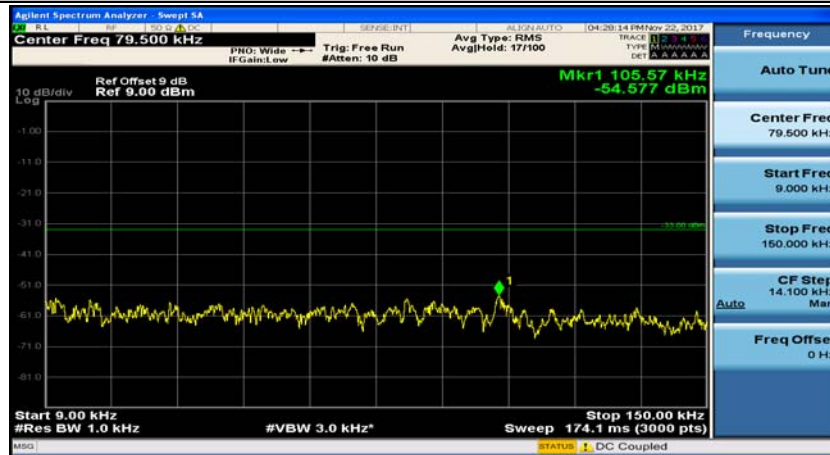


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

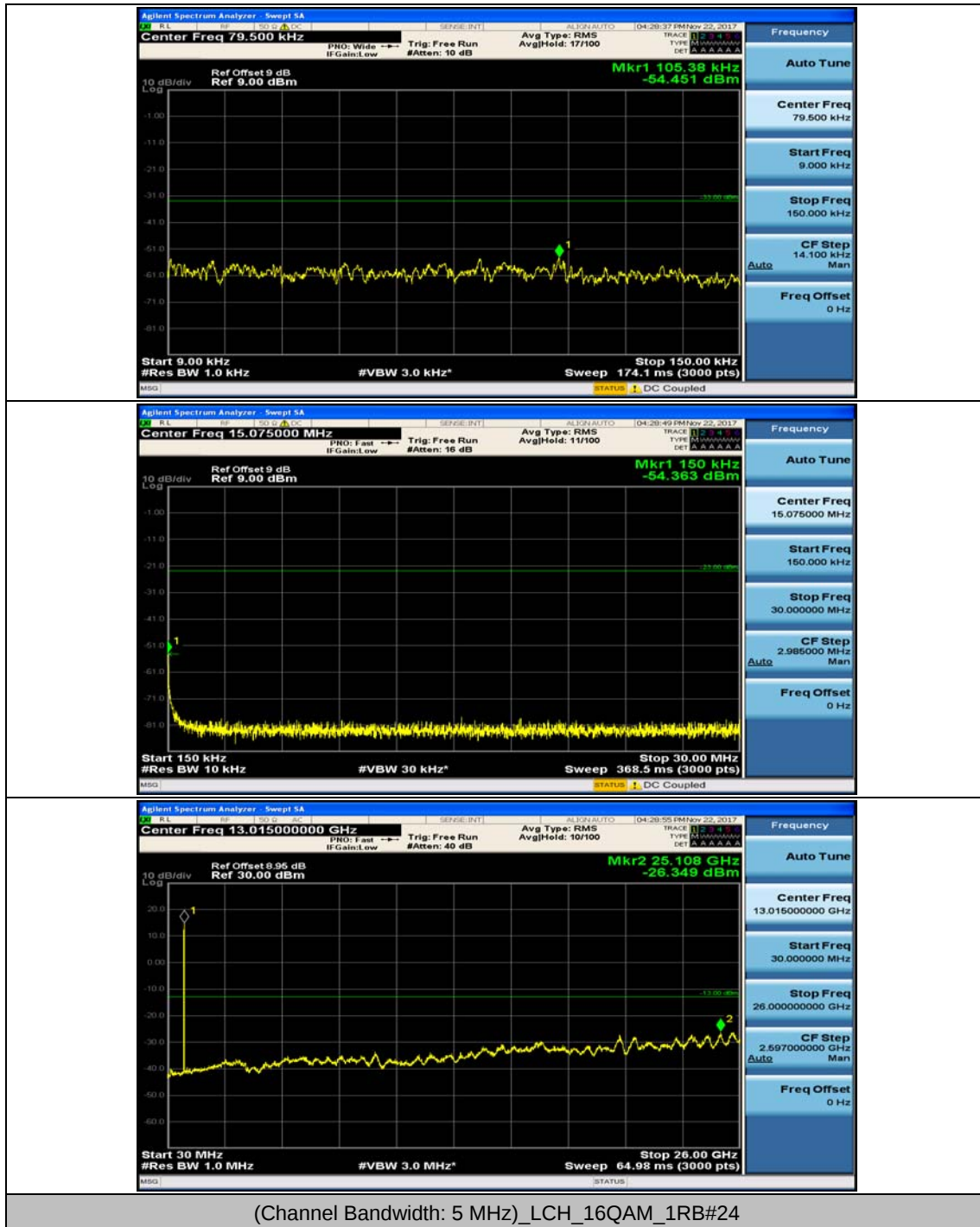


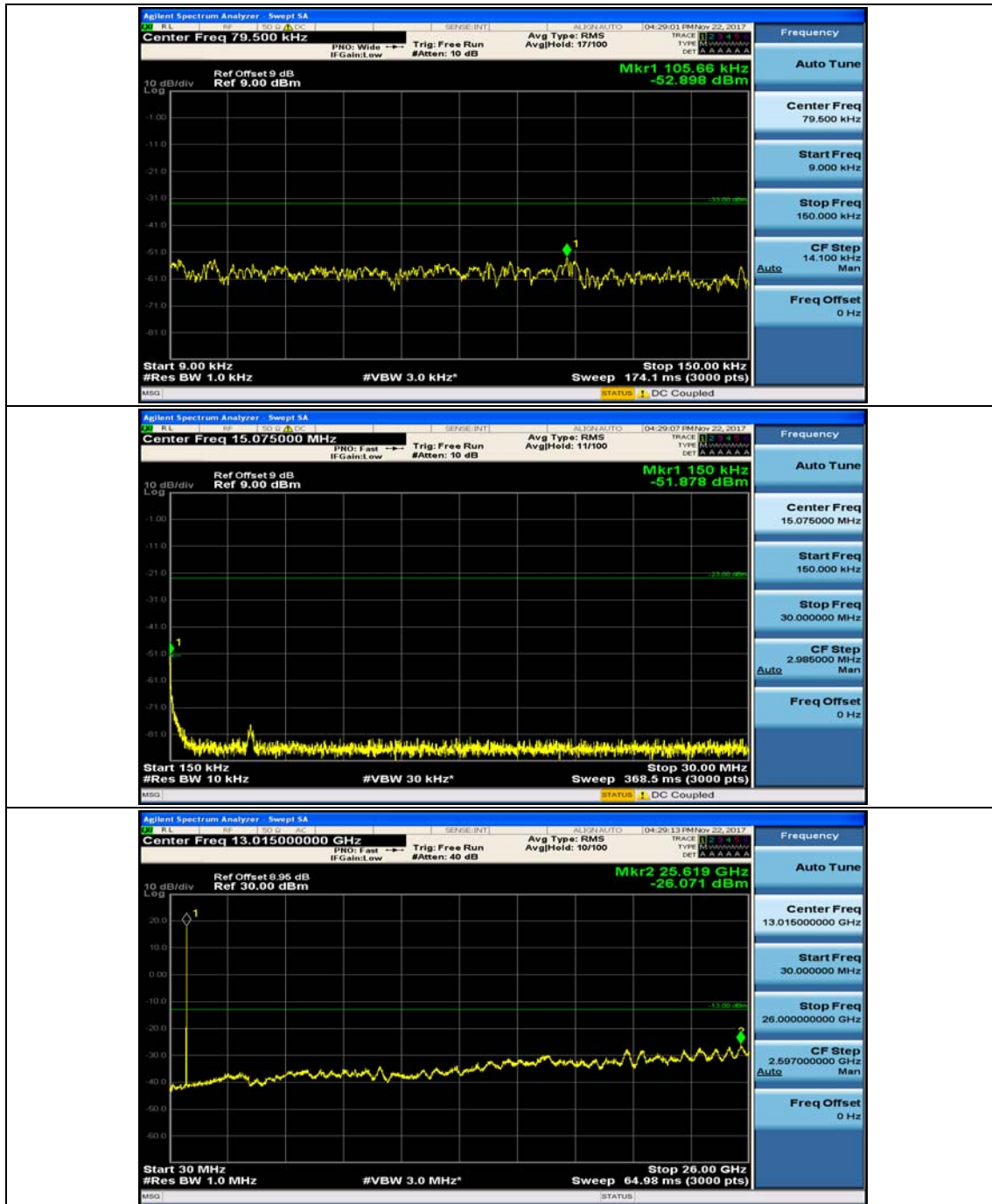


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

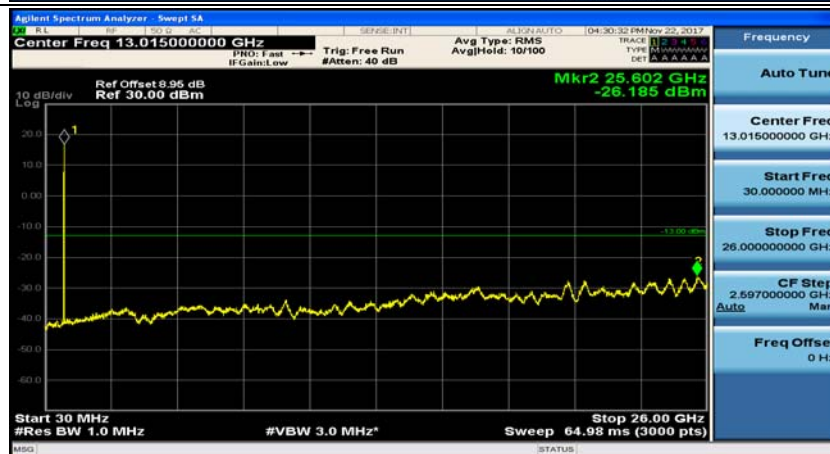
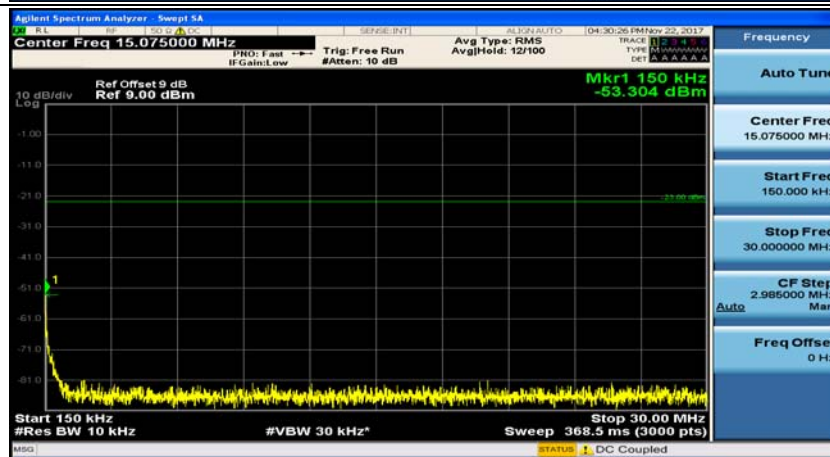
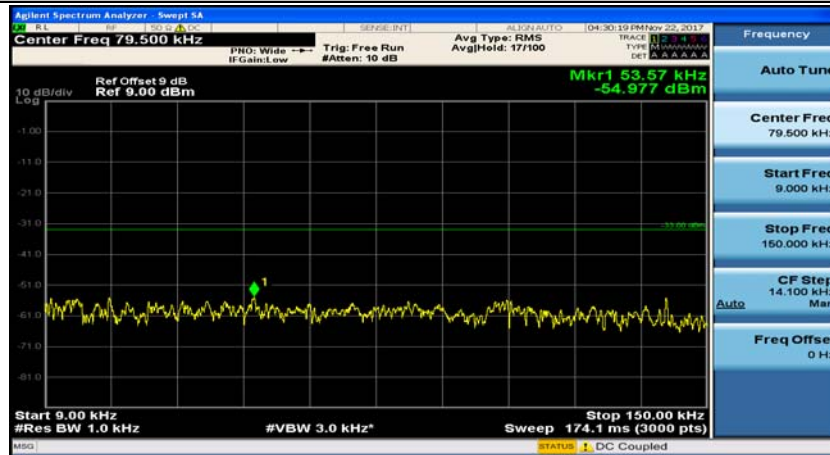


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

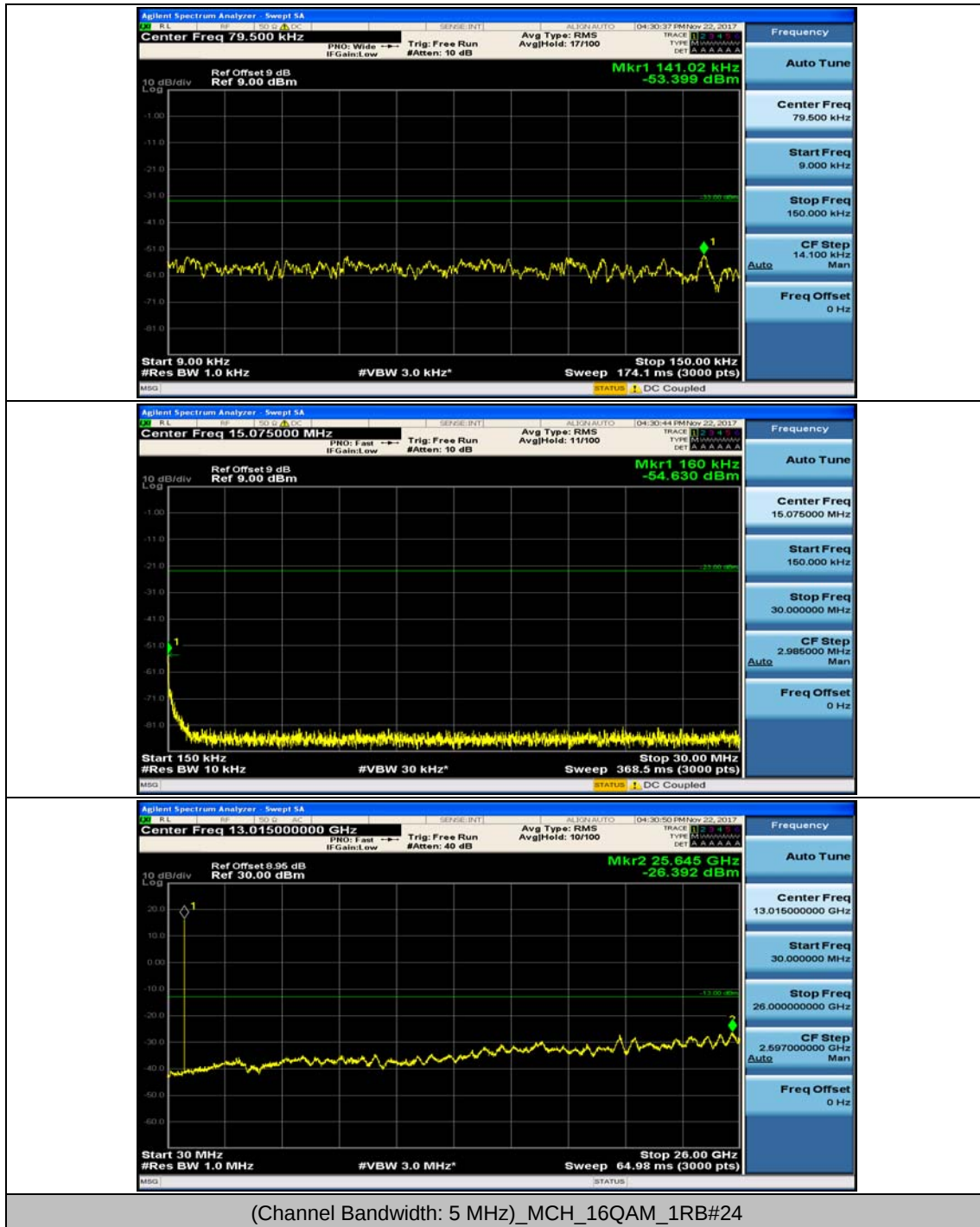


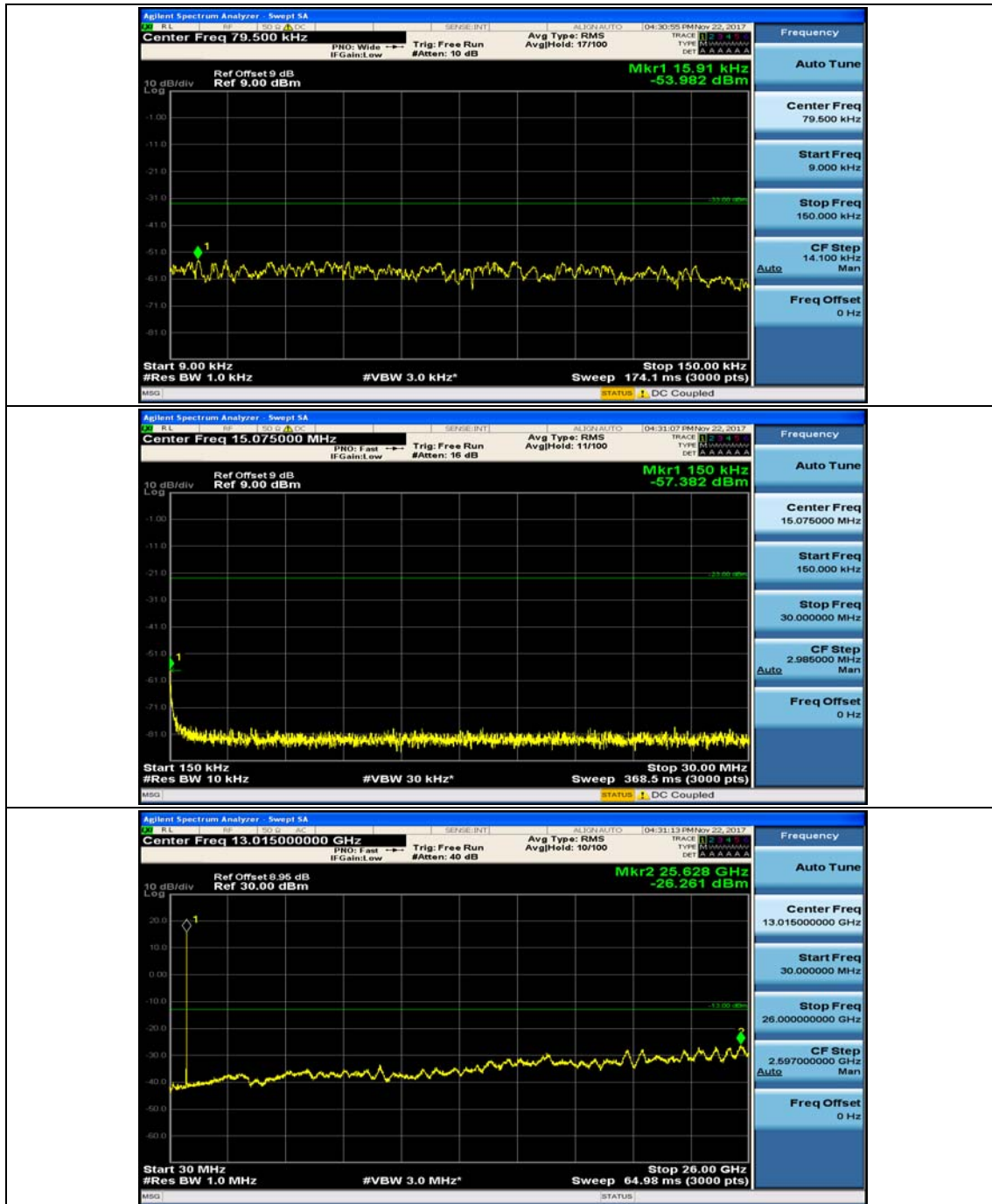


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

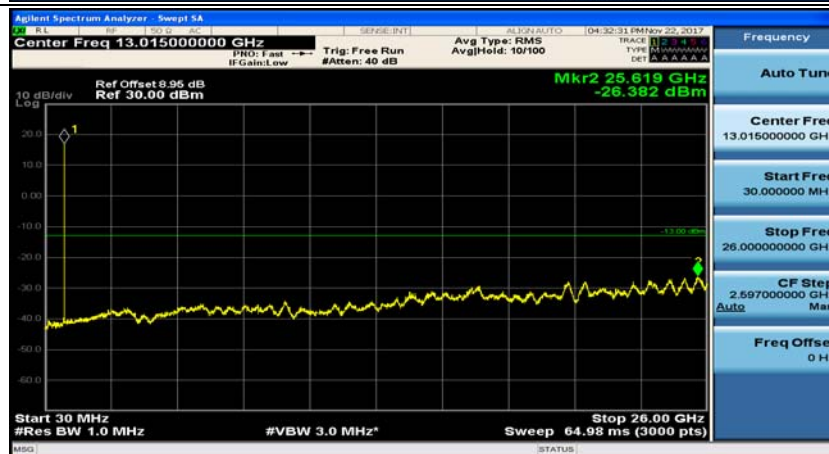
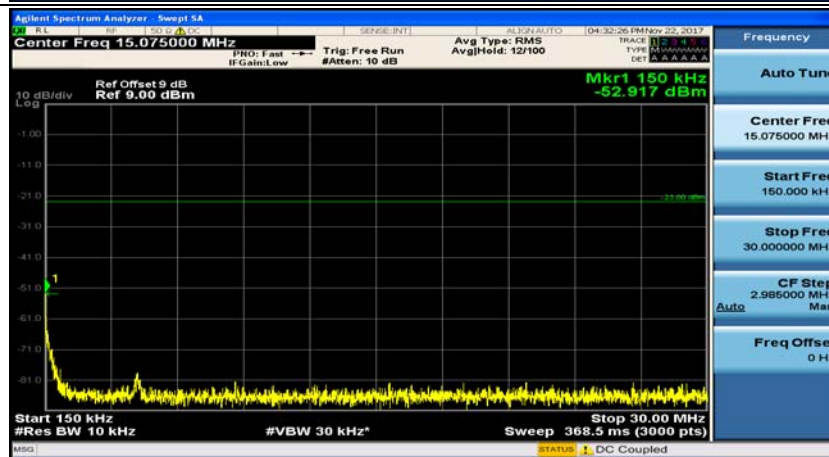
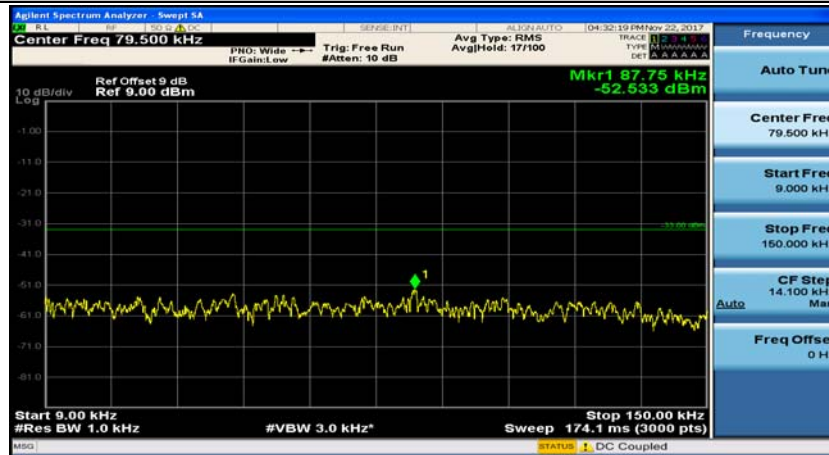


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

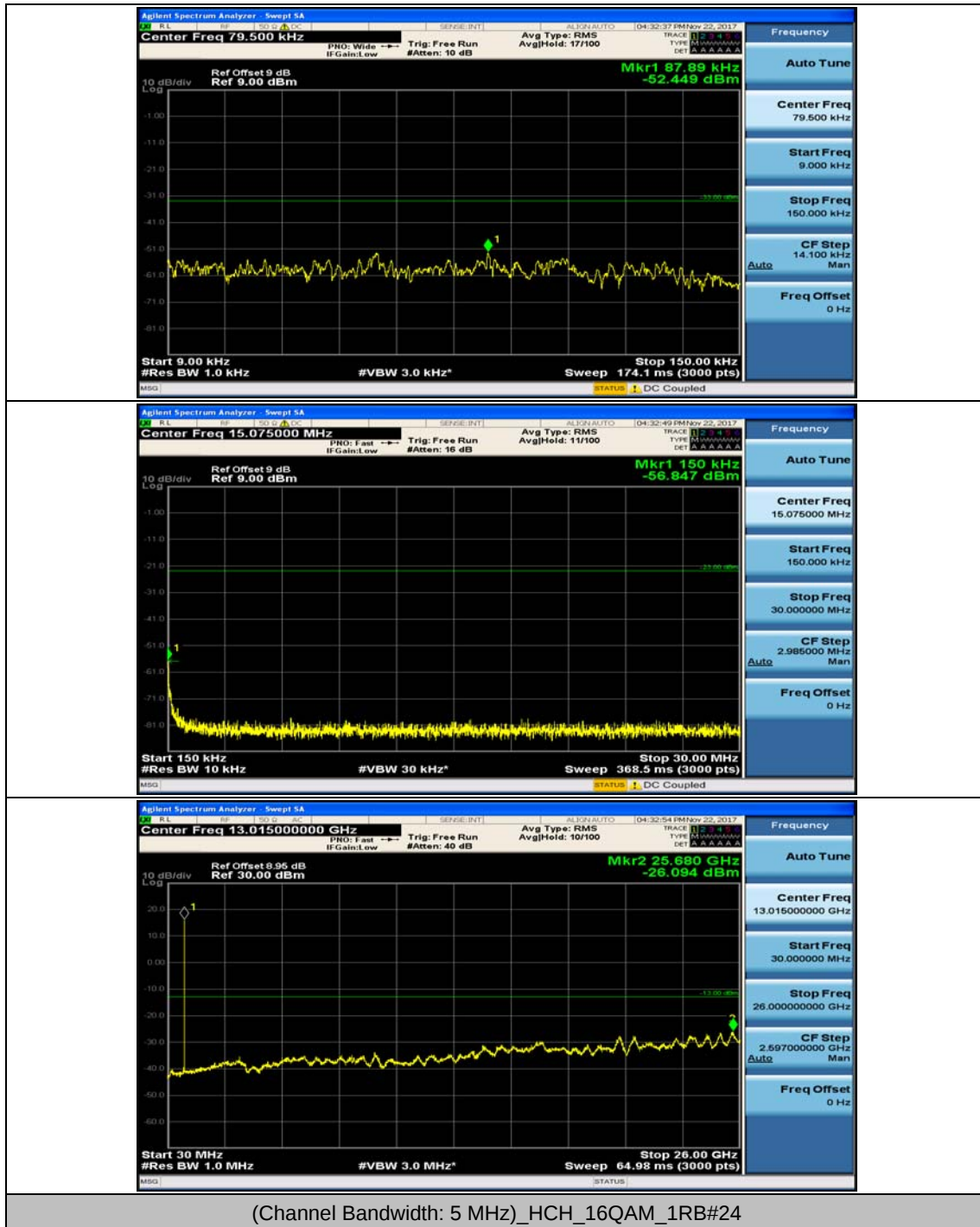


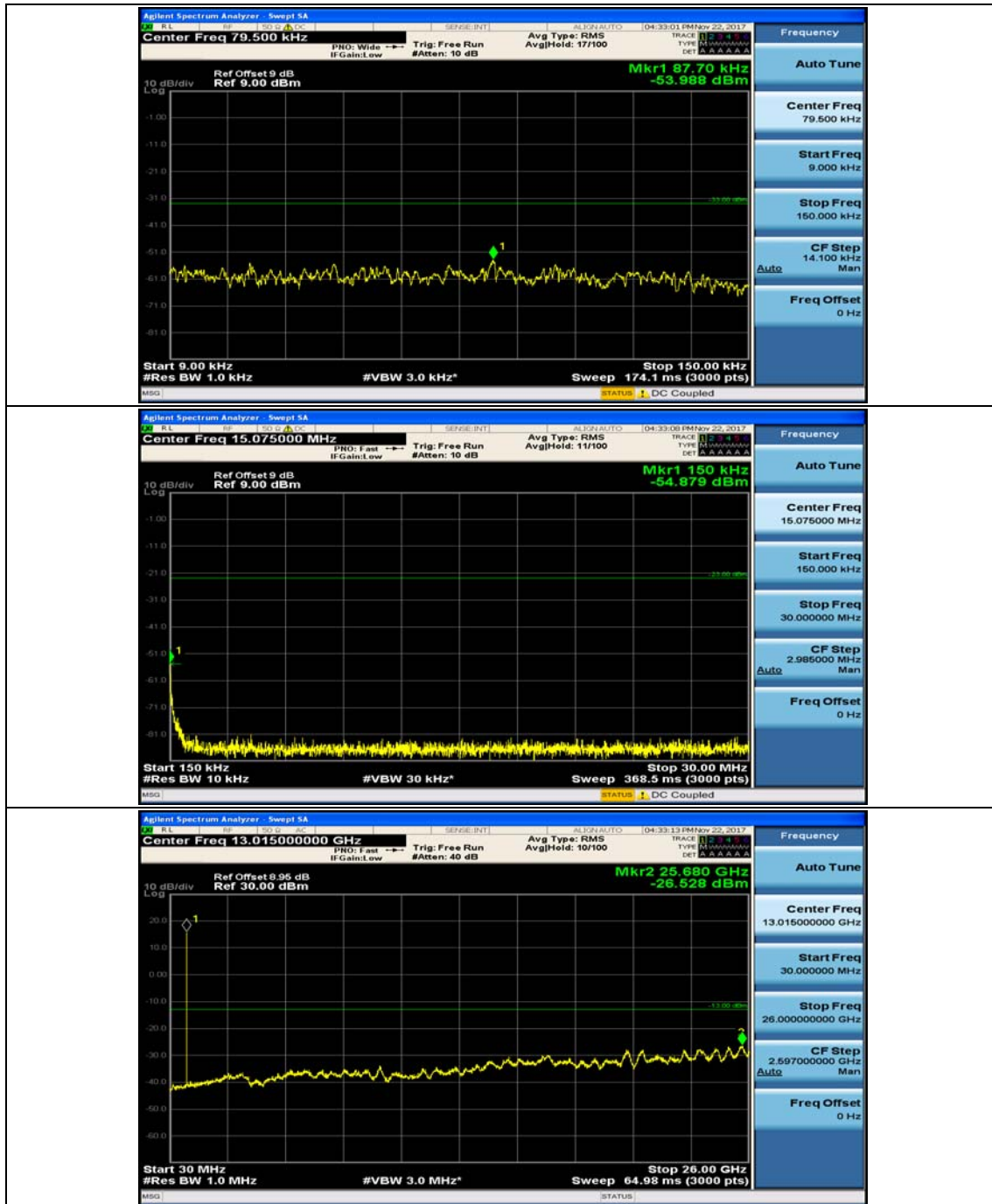


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

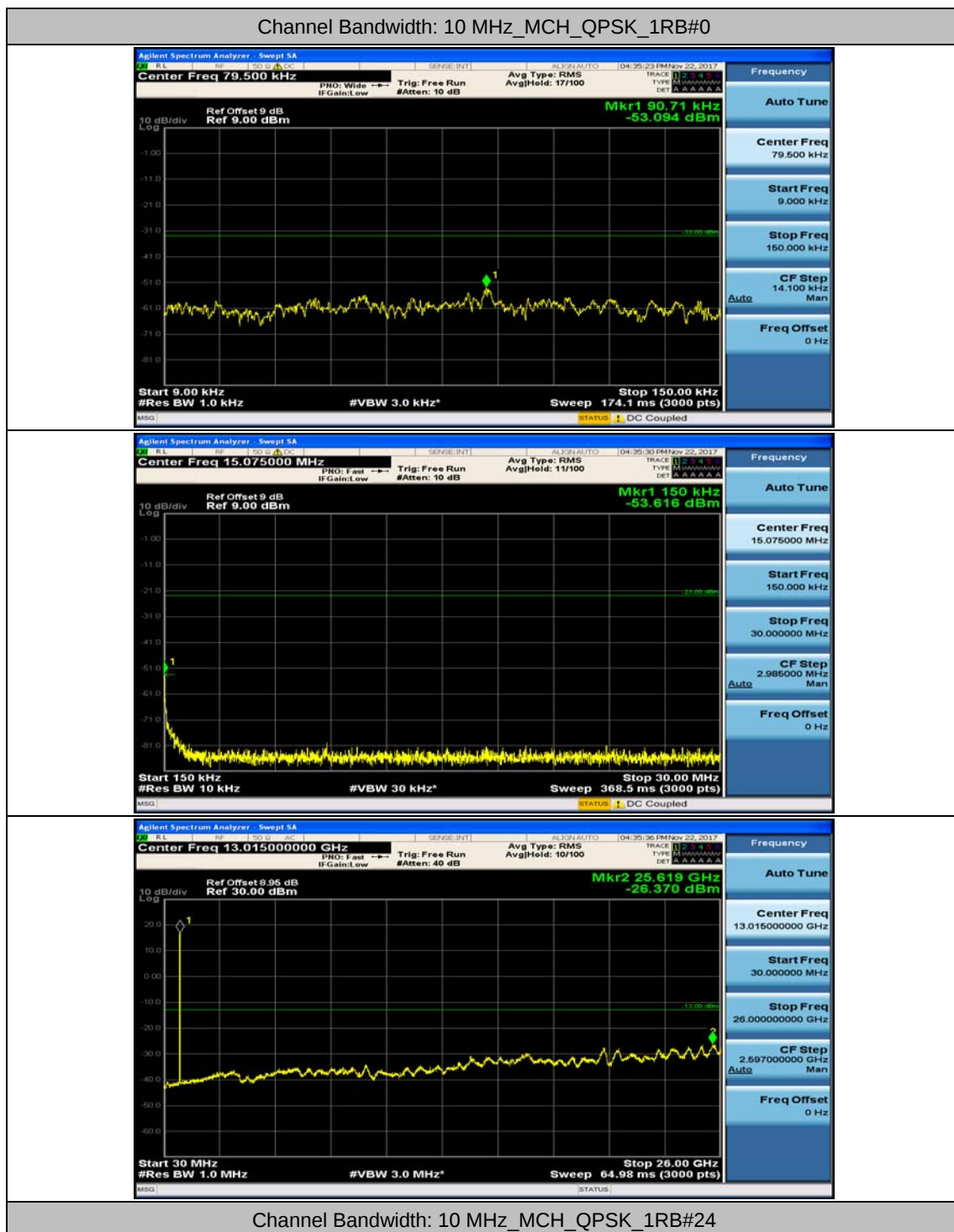


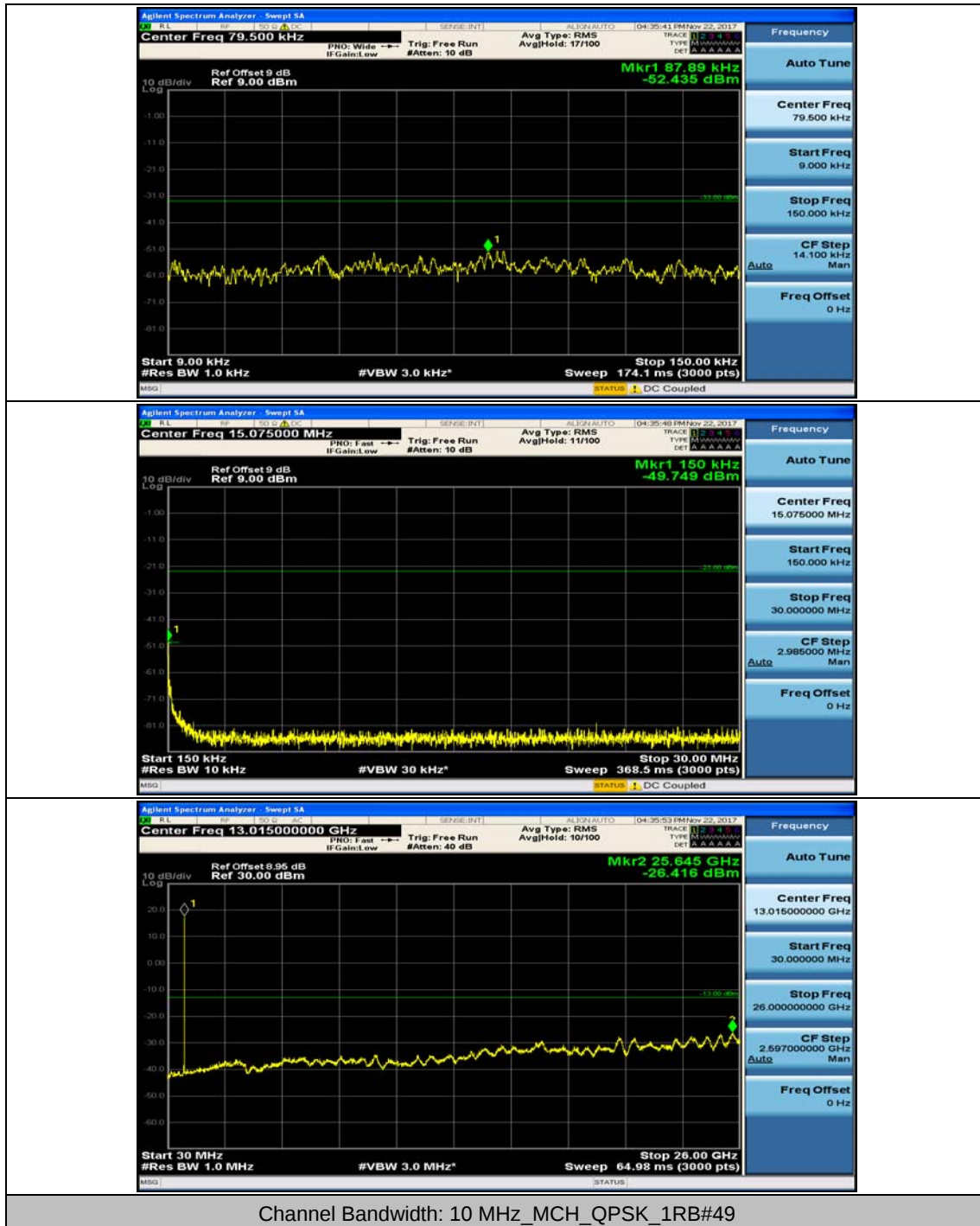
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

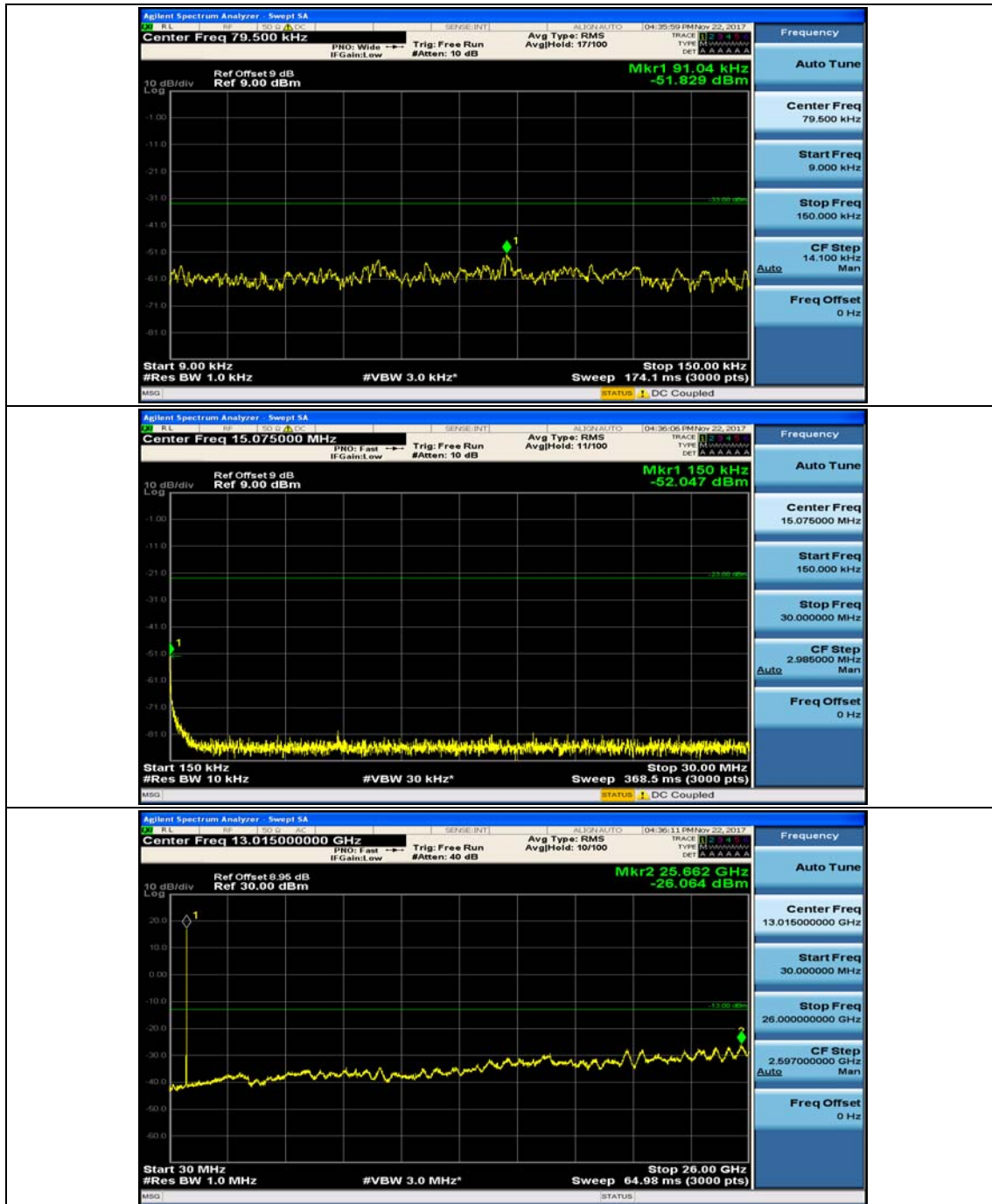




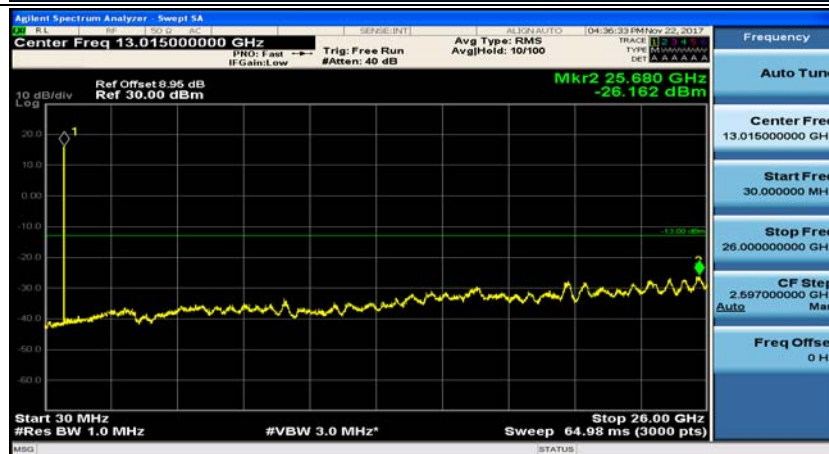
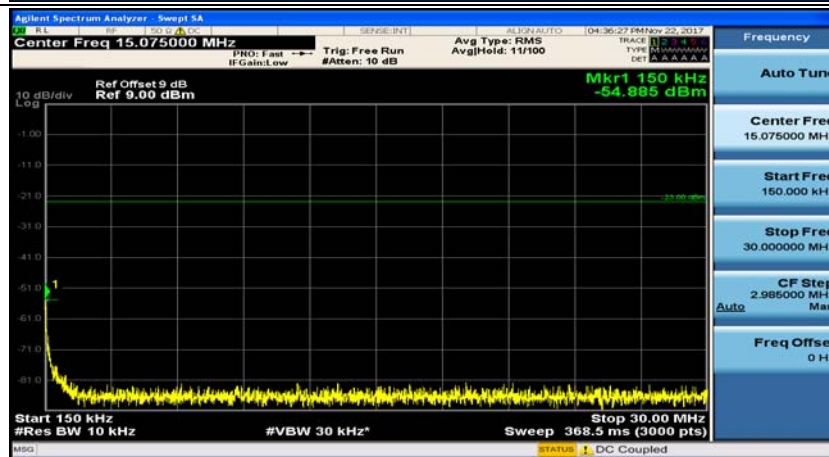
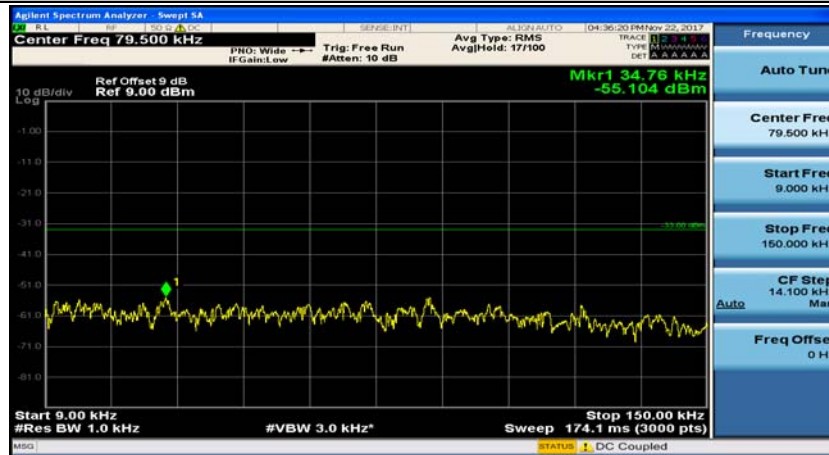
Channel Bandwidth: 10 MHz



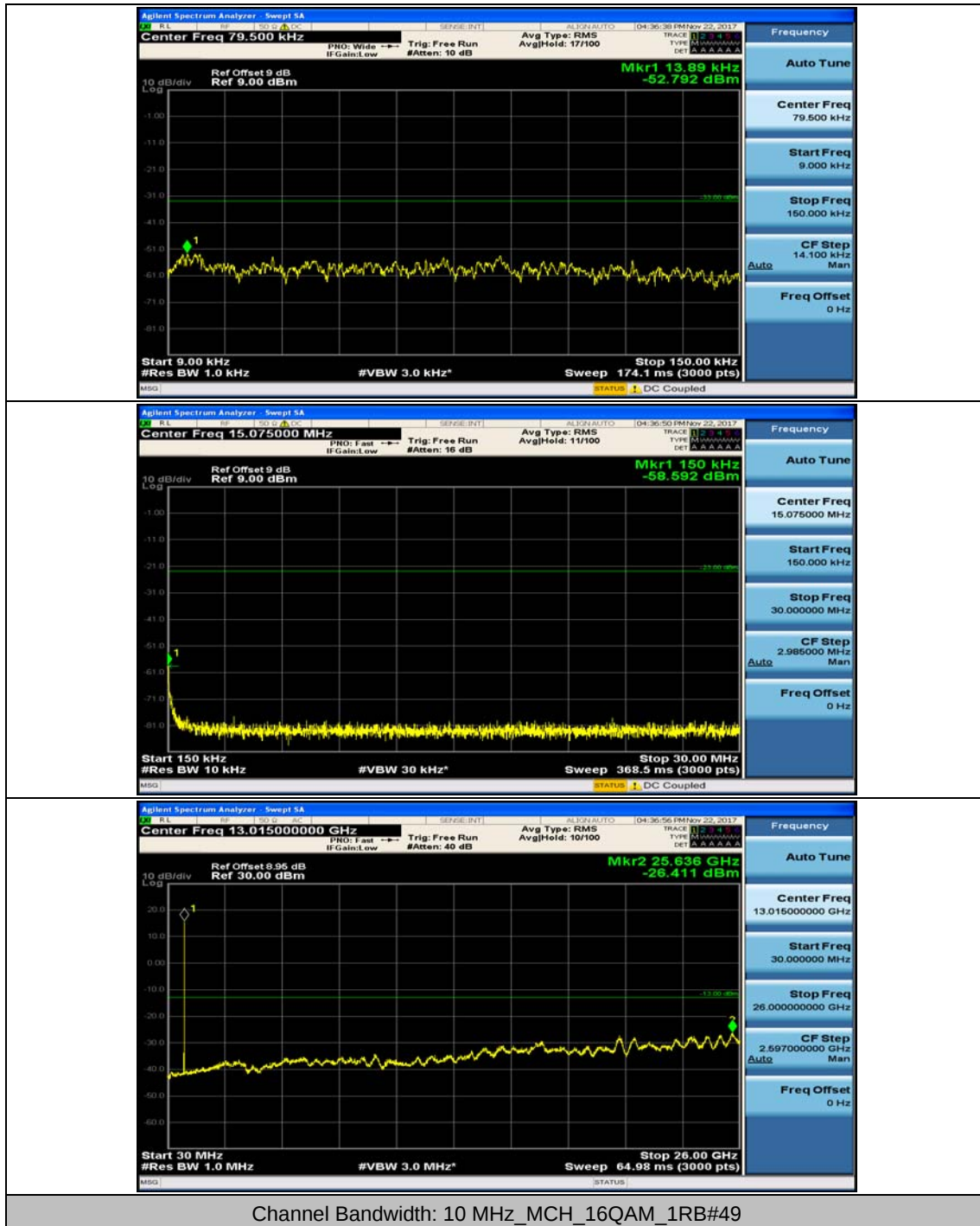


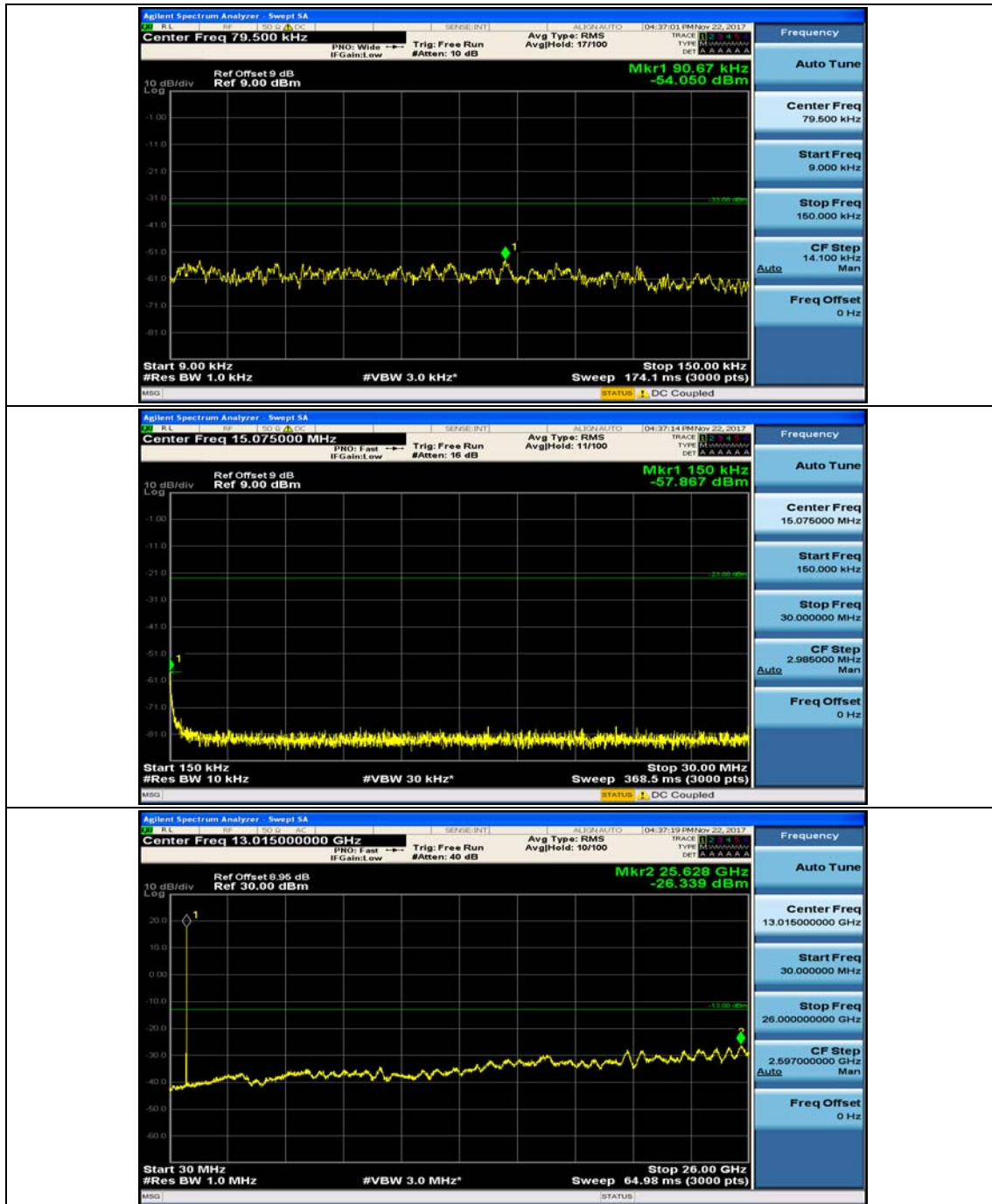


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_MCH_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	-1.85	-0.002609	± 2.5	PASS
		VN	TN	1.44	0.002031	± 2.5	PASS
		VH	TN	0.74	0.001044	± 2.5	PASS
	MCH	VL	TN	0.53	0.000746	± 2.5	PASS
		VN	TN	1.07	0.001507	± 2.5	PASS
		VH	TN	-1.24	-0.001746	± 2.5	PASS
	HCH	VL	TN	0.14	0.000197	± 2.5	PASS
		VN	TN	2.9	0.004079	± 2.5	PASS
		VH	TN	-1.87	-0.002630	± 2.5	PASS
16QAM	LCH	VL	TN	4.29	0.006051	± 2.5	PASS
		VN	TN	-1.14	-0.001608	± 2.5	PASS
		VH	TN	3	0.004231	± 2.5	PASS
	MCH	VL	TN	-0.23	-0.000324	± 2.5	PASS
		VN	TN	-1.7	-0.002394	± 2.5	PASS
		VH	TN	4.15	0.005845	± 2.5	PASS
	HCH	VL	TN	-1.55	-0.002180	± 2.5	PASS
		VN	TN	-0.61	-0.000858	± 2.5	PASS
		VH	TN	0.8	0.001125	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.85	0.005430	± 2.5	PASS
		VN	-20	0.92	0.001298	± 2.5	PASS
		VN	-10	2.78	0.003921	± 2.5	PASS
		VN	0	1.15	0.001622	± 2.5	PASS
		VN	10	4.03	0.005684	± 2.5	PASS
		VN	20	-0.34	-0.000480	± 2.5	PASS
		VN	30	-0.14	-0.000197	± 2.5	PASS
		VN	40	1.1	0.001551	± 2.5	PASS
		VN	50	-1.08	-0.001523	± 2.5	PASS
	MCH	VN	-30	-1.08	-0.001521	± 2.5	PASS
		VN	-20	2	0.002817	± 2.5	PASS
		VN	-10	3.43	0.004831	± 2.5	PASS

		VN	0	3.43	0.004831	± 2.5	PASS
		VN	10	0.32	0.000451	± 2.5	PASS
		VN	20	-1.68	-0.002366	± 2.5	PASS
		VN	30	4.34	0.006113	± 2.5	PASS
		VN	40	0	0.000000	± 2.5	PASS
		VN	50	2.61	0.003676	± 2.5	PASS
	HCH	VN	-30	3.55	0.004993	± 2.5	PASS
		VN	-20	3.1	0.004360	± 2.5	PASS
		VN	-10	2.54	0.003572	± 2.5	PASS
		VN	0	2.8	0.003938	± 2.5	PASS
		VN	10	1.76	0.002475	± 2.5	PASS
		VN	20	-0.91	-0.001280	± 2.5	PASS
		VN	30	3.14	0.004416	± 2.5	PASS
		VN	40	3.41	0.004796	± 2.5	PASS
		VN	50	-0.69	-0.000970	± 2.5	PASS
16QAM	LCH	VN	-30	-0.52	-0.000732	± 2.5	PASS
		VN	-20	-1.58	-0.002225	± 2.5	PASS
		VN	-10	1.74	0.002451	± 2.5	PASS
		VN	0	1.52	0.002141	± 2.5	PASS
		VN	10	-1.78	-0.002507	± 2.5	PASS
		VN	20	1.85	0.002606	± 2.5	PASS
		VN	30	2.15	0.003028	± 2.5	PASS
		VN	40	1.56	0.002197	± 2.5	PASS
		VN	50	-1.53	-0.002155	± 2.5	PASS
	MCH	VN	-30	0	0.000000	± 2.5	PASS
		VN	-20	3.39	0.004768	± 2.5	PASS
		VN	-10	0.3	0.000422	± 2.5	PASS
		VN	0	2.08	0.002925	± 2.5	PASS
		VN	10	2.82	0.003966	± 2.5	PASS
		VN	20	2.89	0.004065	± 2.5	PASS
		VN	30	3.75	0.005274	± 2.5	PASS
		VN	40	1.51	0.002124	± 2.5	PASS
		VN	50	1.18	0.001660	± 2.5	PASS
	HCH	VN	-30	1.34	0.001885	± 2.5	PASS
		VN	-20	-0.67	-0.000942	± 2.5	PASS
		VN	-10	-1.06	-0.001491	± 2.5	PASS
		VN	0	-0.18	-0.000253	± 2.5	PASS
		VN	10	-1.53	-0.002152	± 2.5	PASS
		VN	20	4.43	0.006231	± 2.5	PASS
		VN	30	1.16	0.001632	± 2.5	PASS
		VN	40	-0.96	-0.001350	± 2.5	PASS

		VN	50	-1.12	-0.001575	± 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	/	/	/	/	/	/
		/	/	/	/	/	/
		/	/	/	/	/	/
	MCH	VL	TN	0.45	0.000634	± 2.5	PASS
		VN	TN	3.66	0.005155	± 2.5	PASS
		VH	TN	1.61	0.002268	± 2.5	PASS
	HCH	/	/	/	/	/	/
		/	/	/	/	/	/
		/	/	/	/	/	/
16QAM	LCH	/	/	/	/	/	/
		/	/	/	/	/	/
		/	/	/	/	/	/
	MCH	VL	TN	4.4	0.006197	± 2.5	PASS
		VN	TN	-0.11	-0.000155	± 2.5	PASS
		VH	TN	0.44	0.000620	± 2.5	PASS
	HCH	/	/	/	/	/	/
		/	/	/	/	/	/
		/	/	/	/	/	/
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	/	/	/	/	/	/
		/	/	/	/	/	/
		/	/	/	/	/	/
		/	/	/	/	/	/
		/	/	/	/	/	/
		/	/	/	/	/	/
		/	/	/	/	/	/
		/	/	/	/	/	/
		/	/	/	/	/	/
	MCH	VN	-30	2.37	0.003338	± 2.5	PASS
		VN	-20	3.59	0.005056	± 2.5	PASS
		VN	-10	4.74	0.006676	± 2.5	PASS
		VN	0	2.43	0.003423	± 2.5	PASS

		VN	10	0.89	0.001254	± 2.5	PASS
		VN	20	-0.31	-0.000437	± 2.5	PASS
		VN	30	4.21	0.005930	± 2.5	PASS
		VN	40	0.33	0.000465	± 2.5	PASS
		VN	50	-0.53	-0.000746	± 2.5	PASS
	HCH	/	/	/	/	/	/
		/	/	/	/	/	/
		/	/	/	/	/	/
		/	/	/	/	/	/
		/	/	/	/	/	/
		/	/	/	/	/	/
		/	/	/	/	/	/
		/	/	/	/	/	/
		/	/	/	/	/	/
16QAM	LCH	/	/	/	/	/	/
		/	/	/	/	/	/
		/	/	/	/	/	/
		/	/	/	/	/	/
		/	/	/	/	/	/
		/	/	/	/	/	/
		/	/	/	/	/	/
		/	/	/	/	/	/
		/	/	/	/	/	/
	MCH	VN	-30	-1.44	-0.002025	± 2.5	PASS
		VN	-20	1.99	0.002799	± 2.5	PASS
		VN	-10	-0.16	-0.000225	± 2.5	PASS
		VN	0	-0.76	-0.001069	± 2.5	PASS
		VN	10	3.82	0.005373	± 2.5	PASS
		VN	20	4.26	0.005992	± 2.5	PASS
		VN	30	2.82	0.003966	± 2.5	PASS
		VN	40	0.01	0.000014	± 2.5	PASS
		VN	50	-0.17	-0.000239	± 2.5	PASS
	HCH	/	/	/	/	/	/
		/	/	/	/	/	/
		/	/	/	/	/	/
		/	/	/	/	/	/
		/	/	/	/	/	/
		/	/	/	/	/	/
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		/	/	/	/	/	/