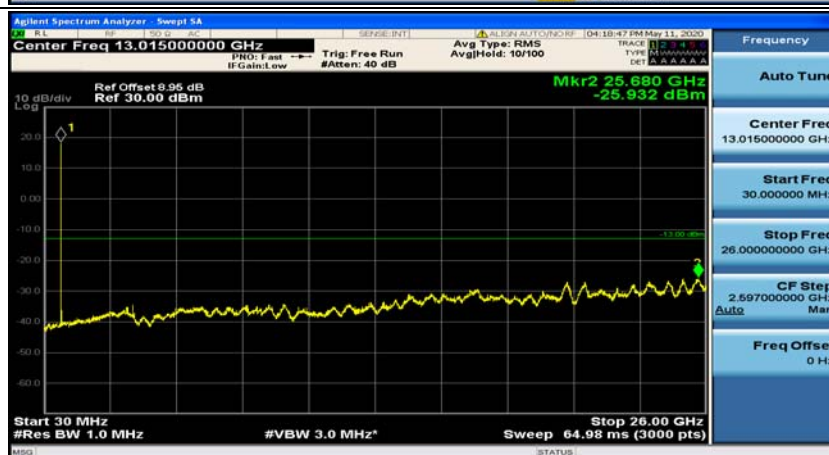
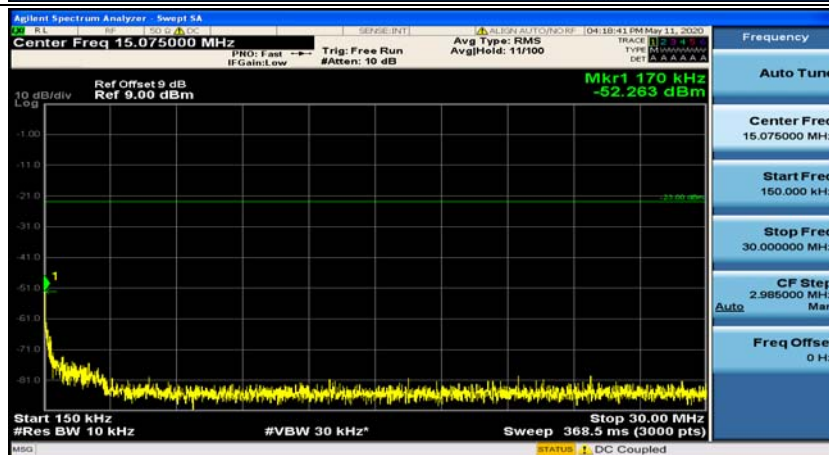
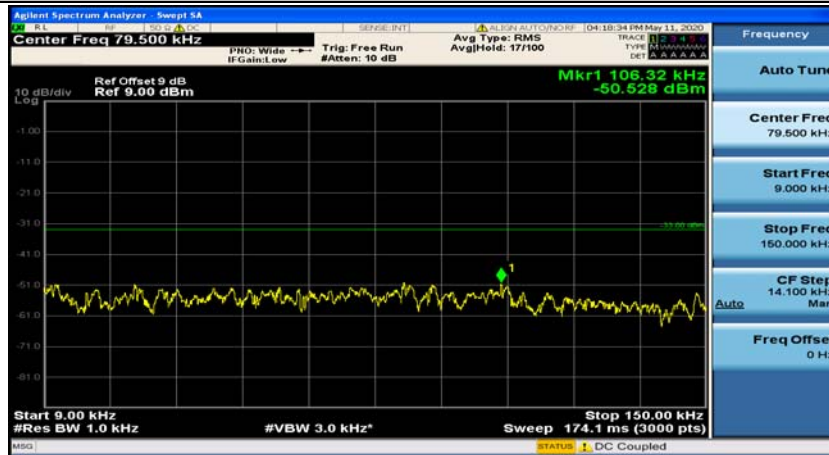
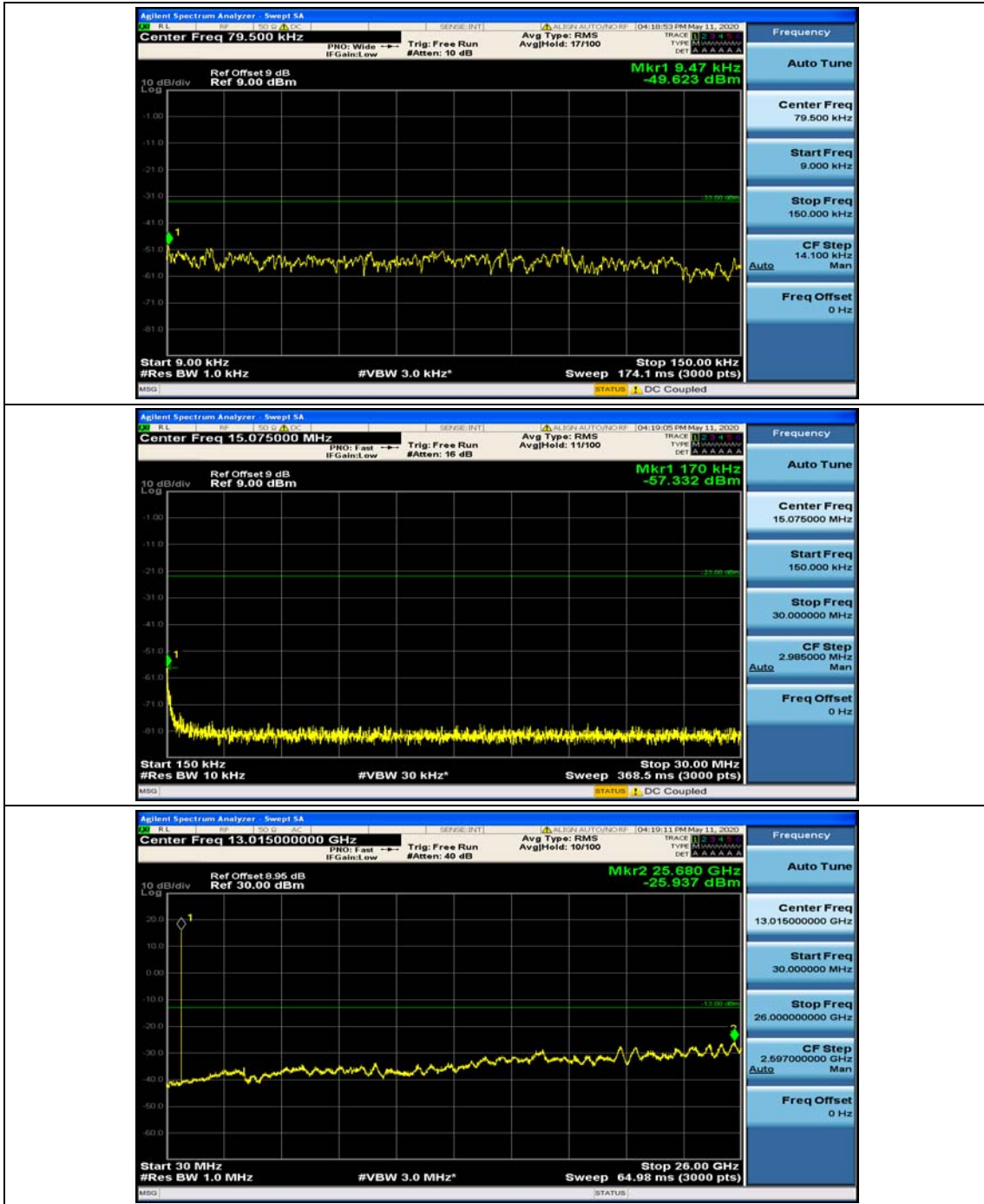




(Channel Bandwidth: 3 MHz)\_MCH\_16QAM\_1RB#0

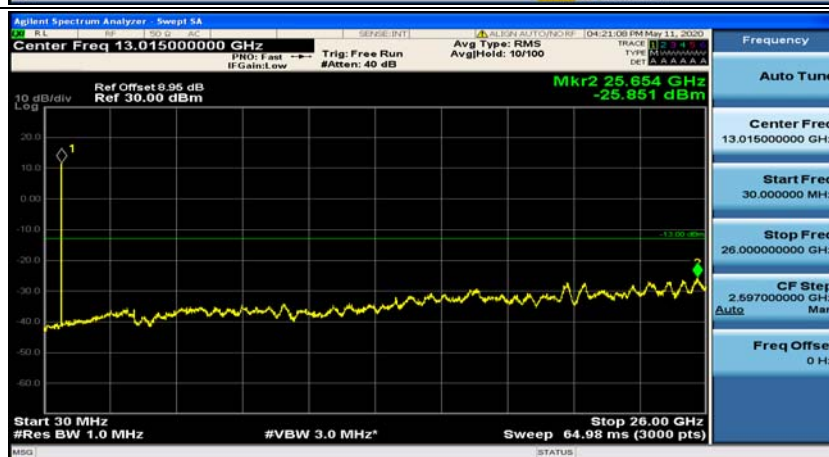
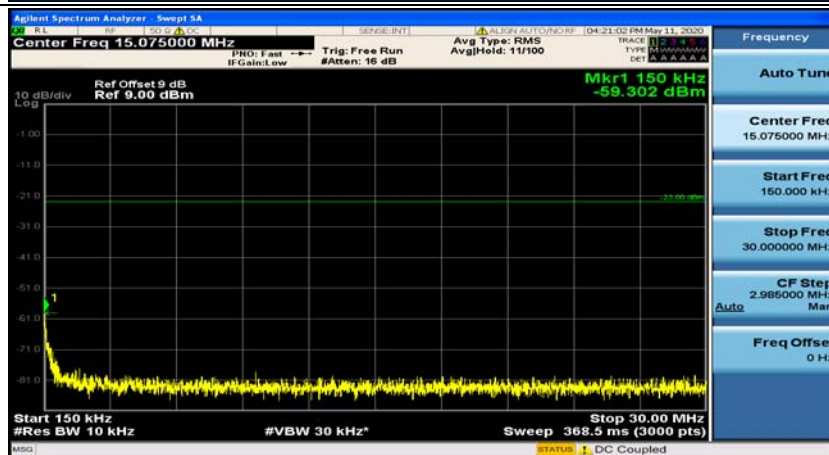
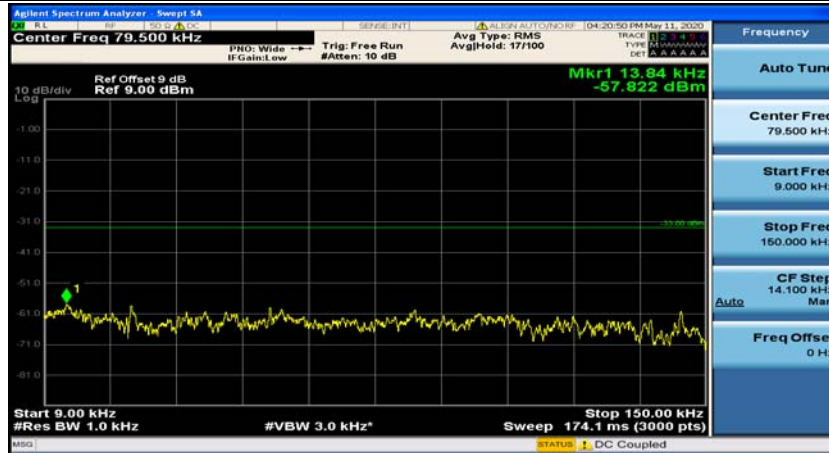


(Channel Bandwidth: 3 MHz)\_MCH\_16QAM\_1RB#7

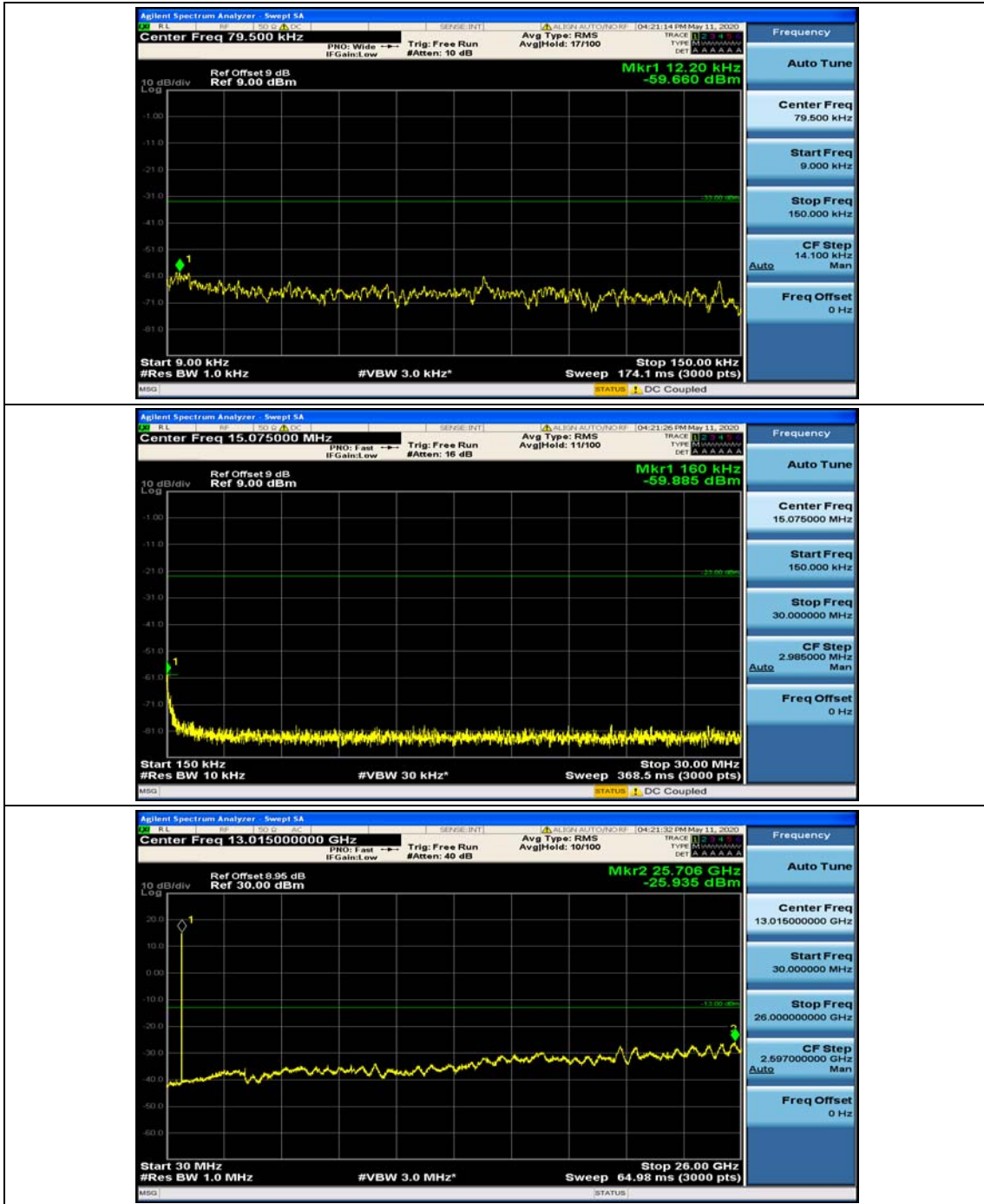




(Channel Bandwidth: 3 MHz)\_HCH\_16QAM\_1RB#0

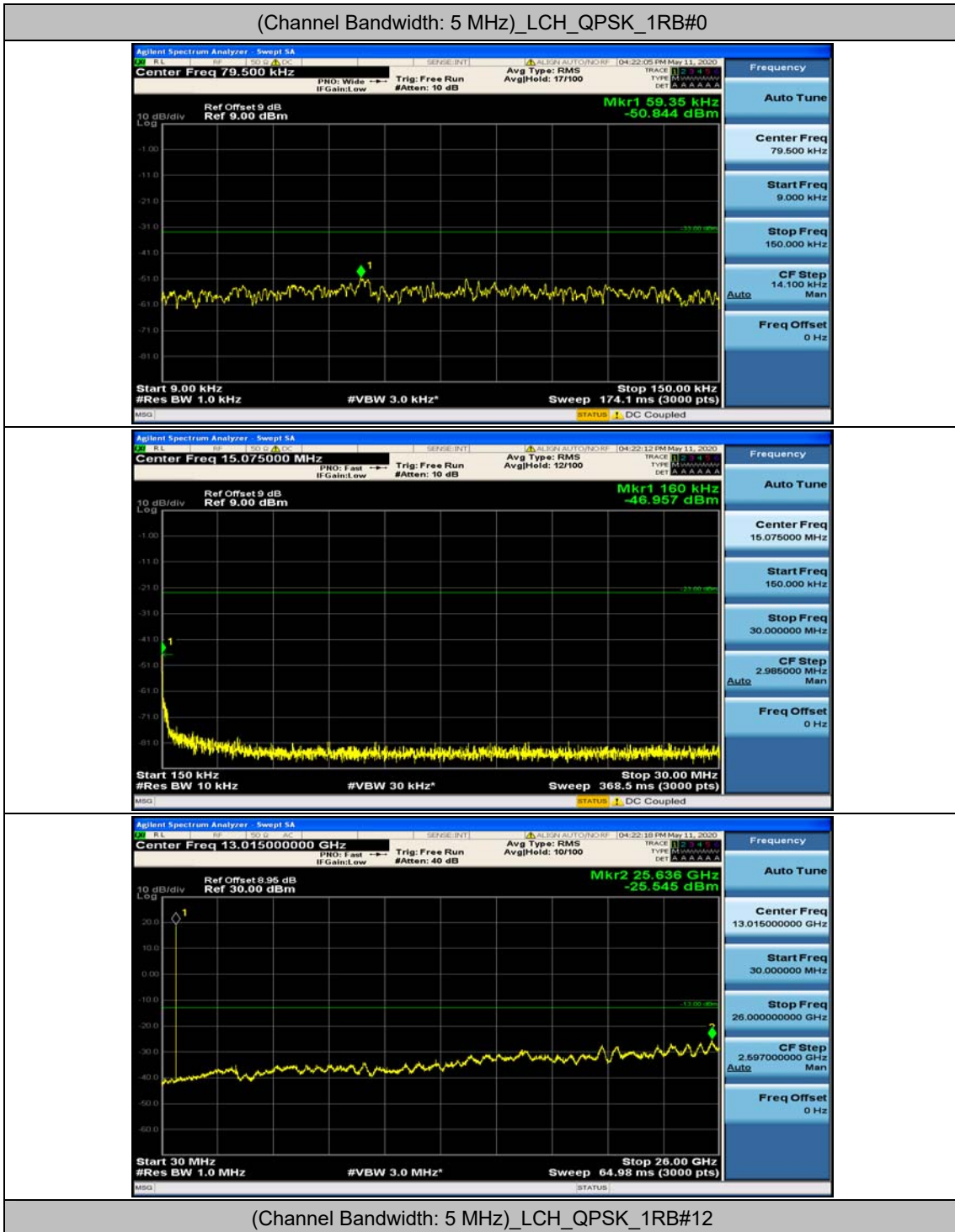


(Channel Bandwidth: 3 MHz)\_HCH\_16QAM\_1RB#7

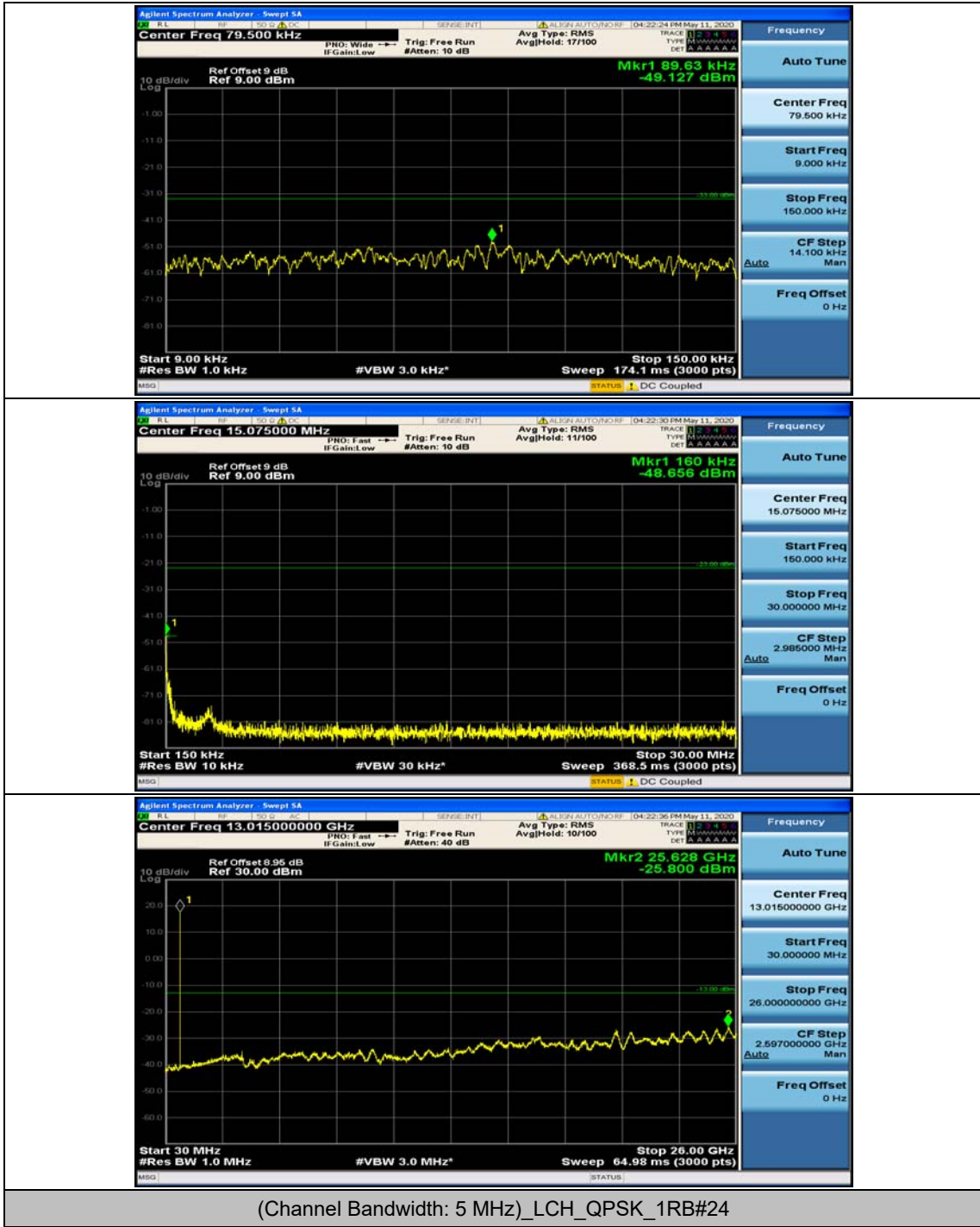


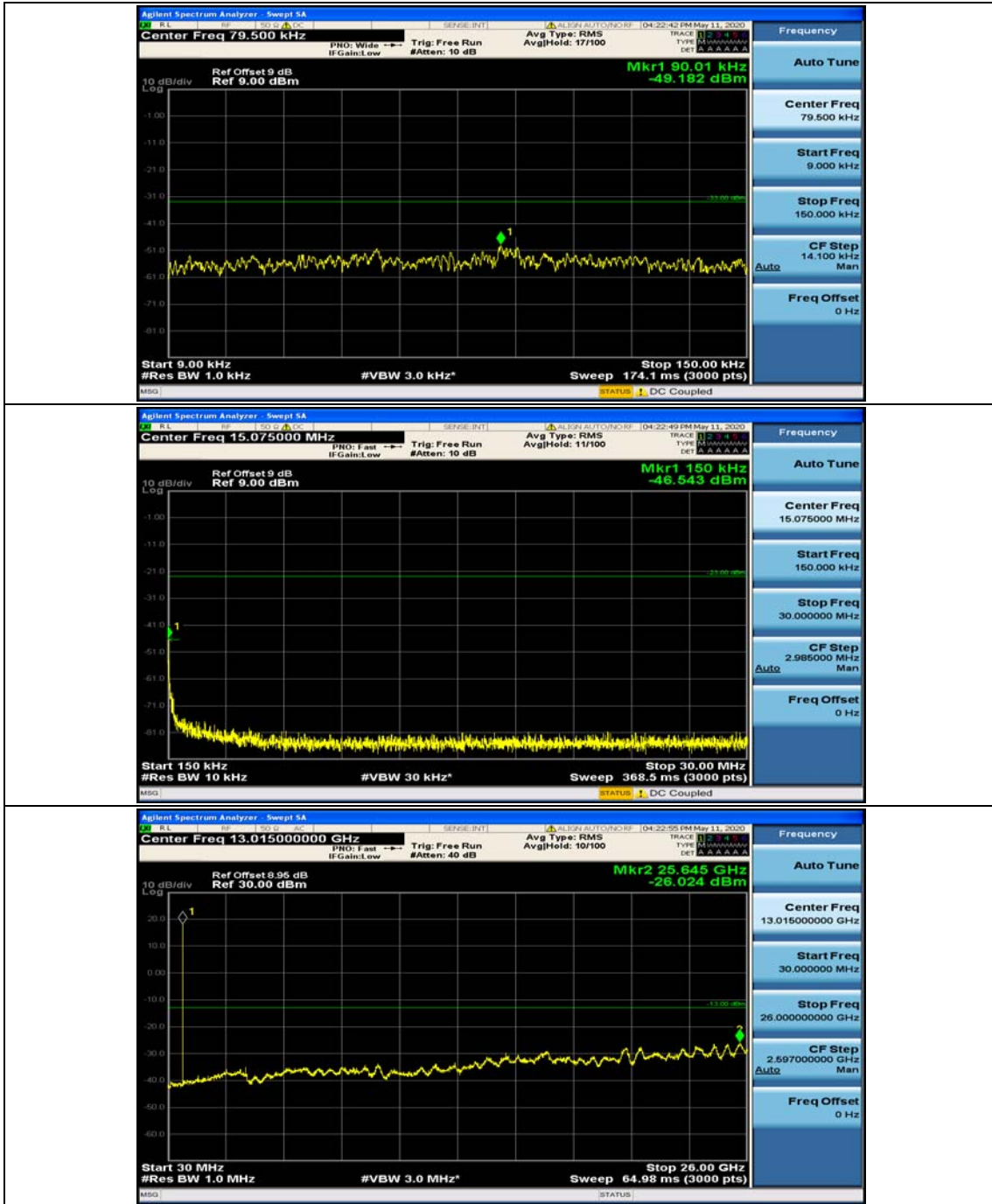


**Channel Bandwidth: 5 MHz**



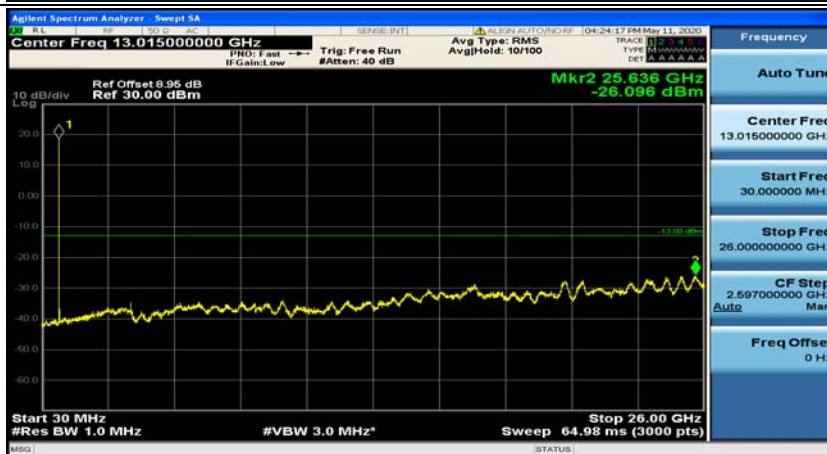
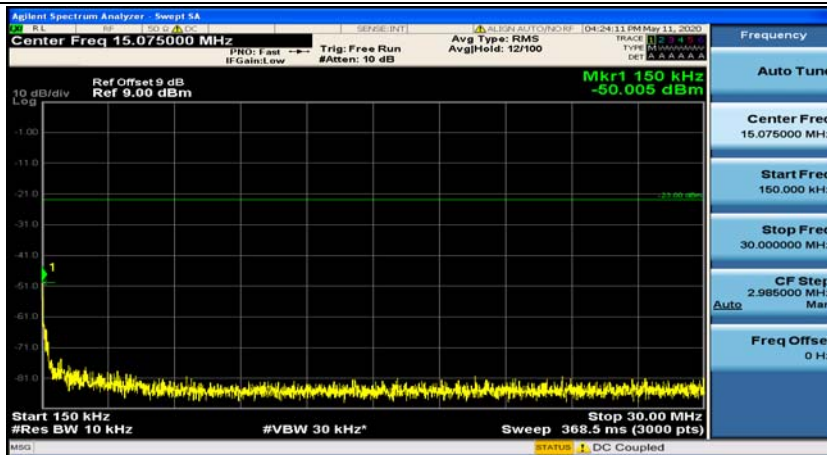
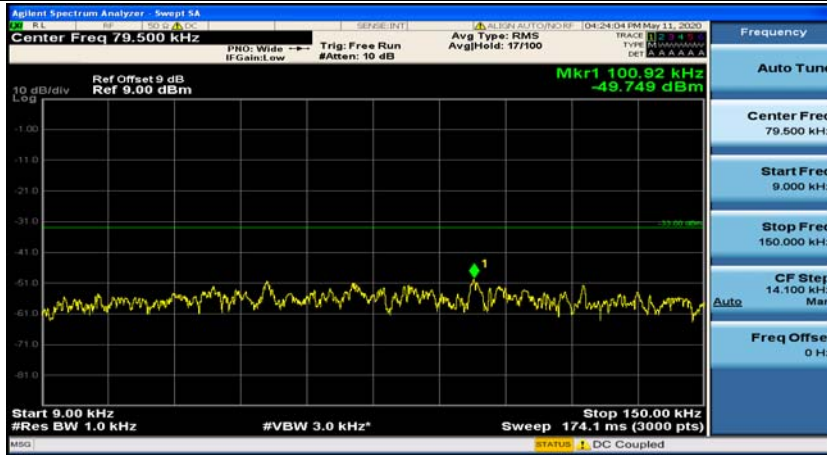






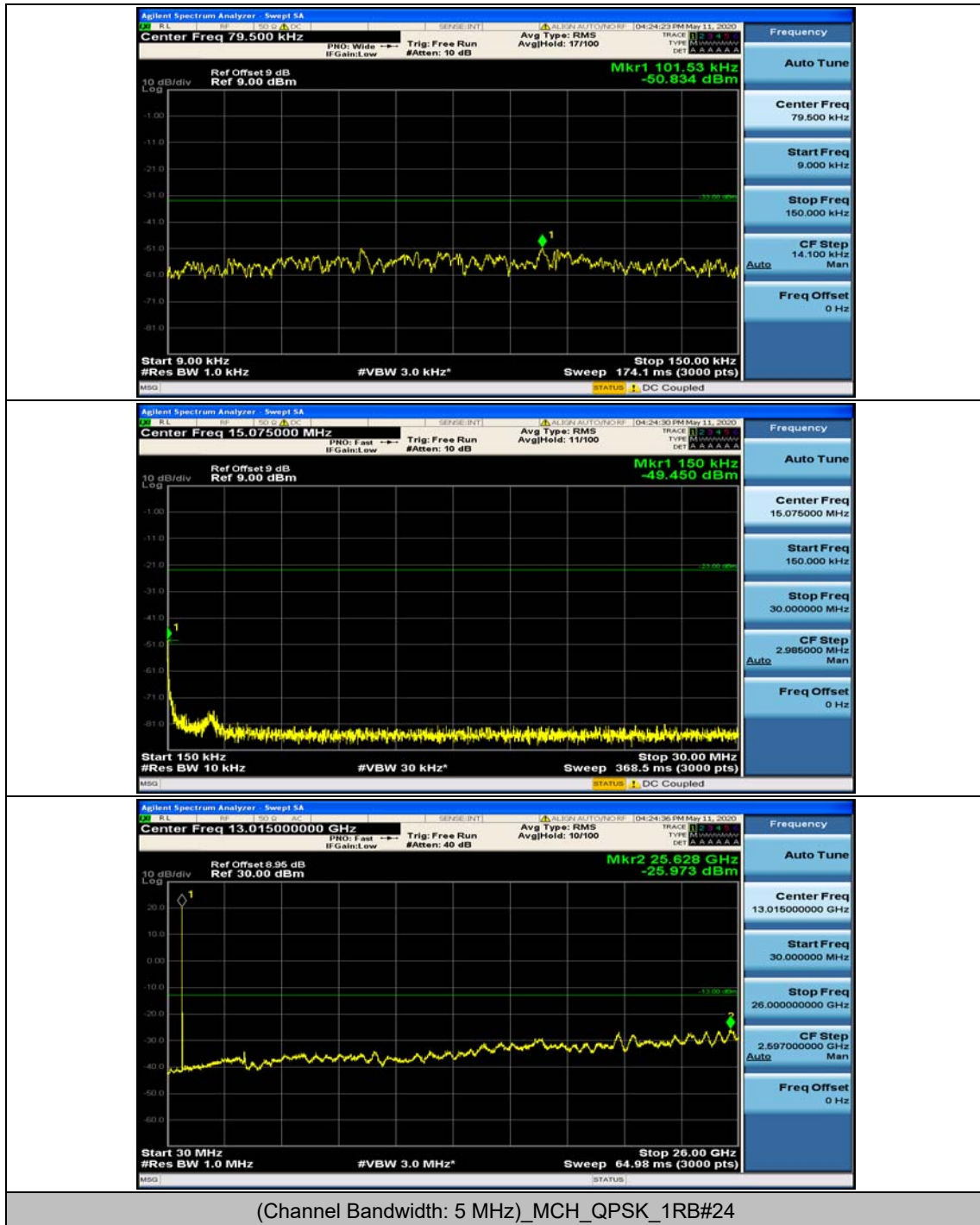


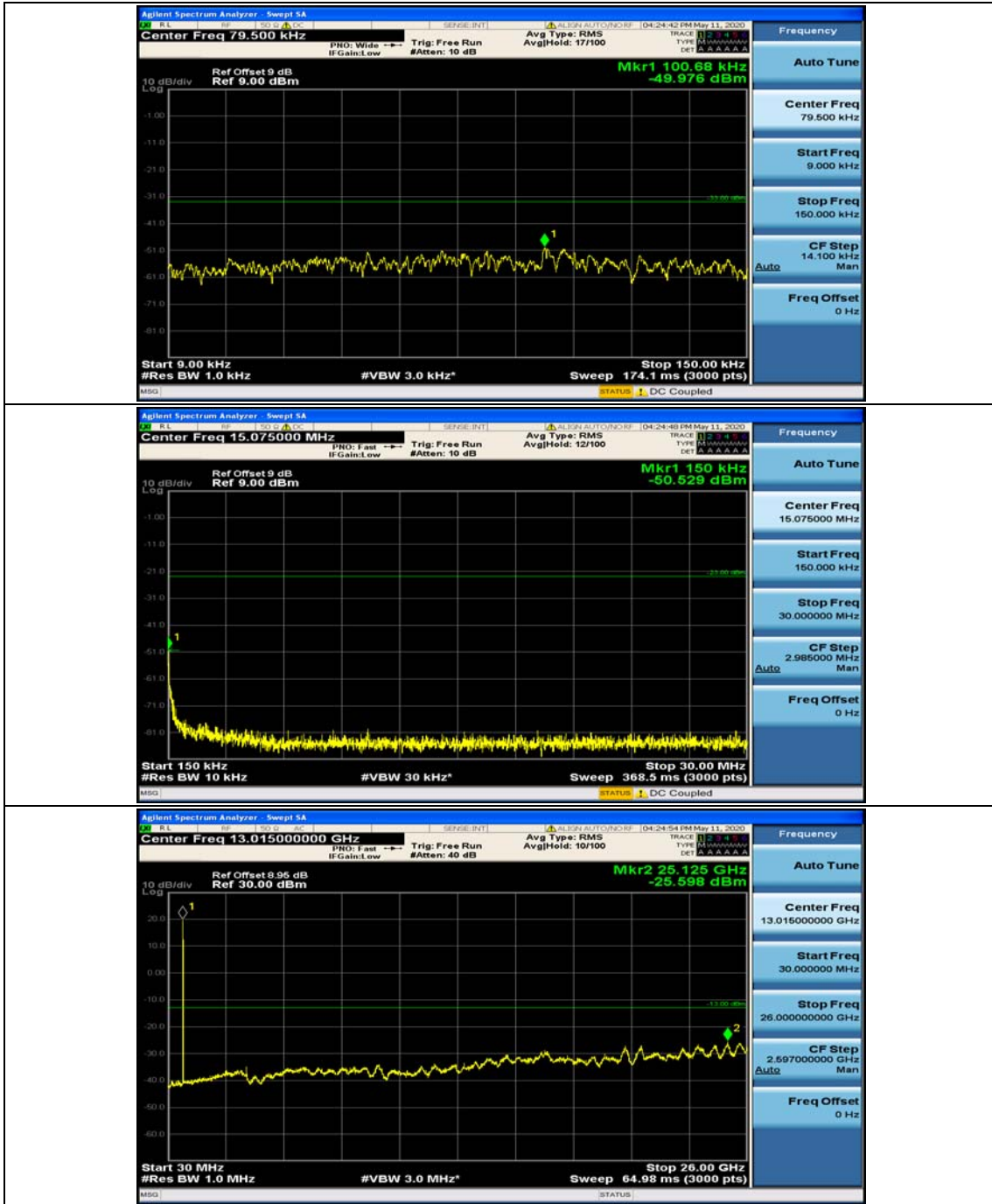
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#0



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

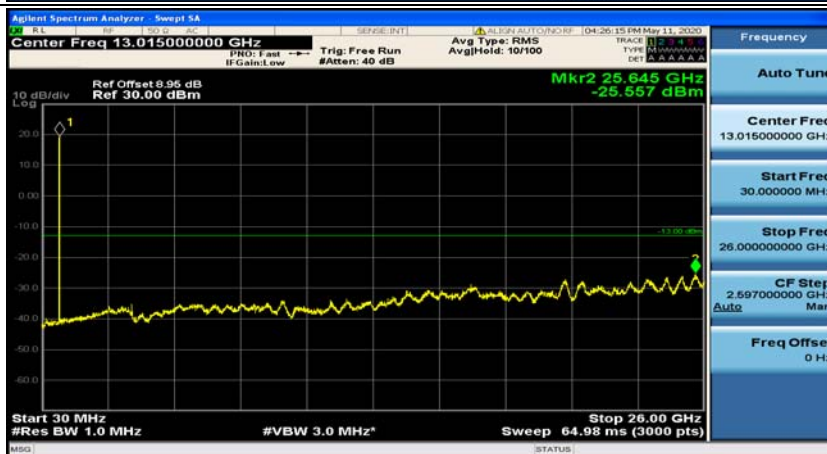
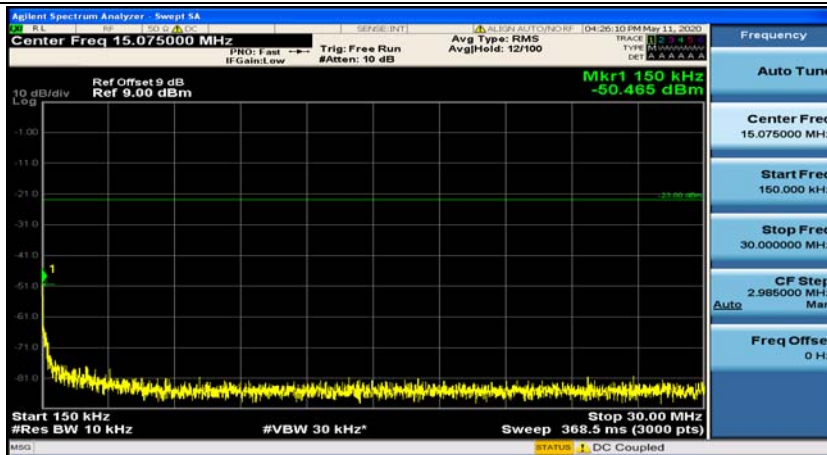




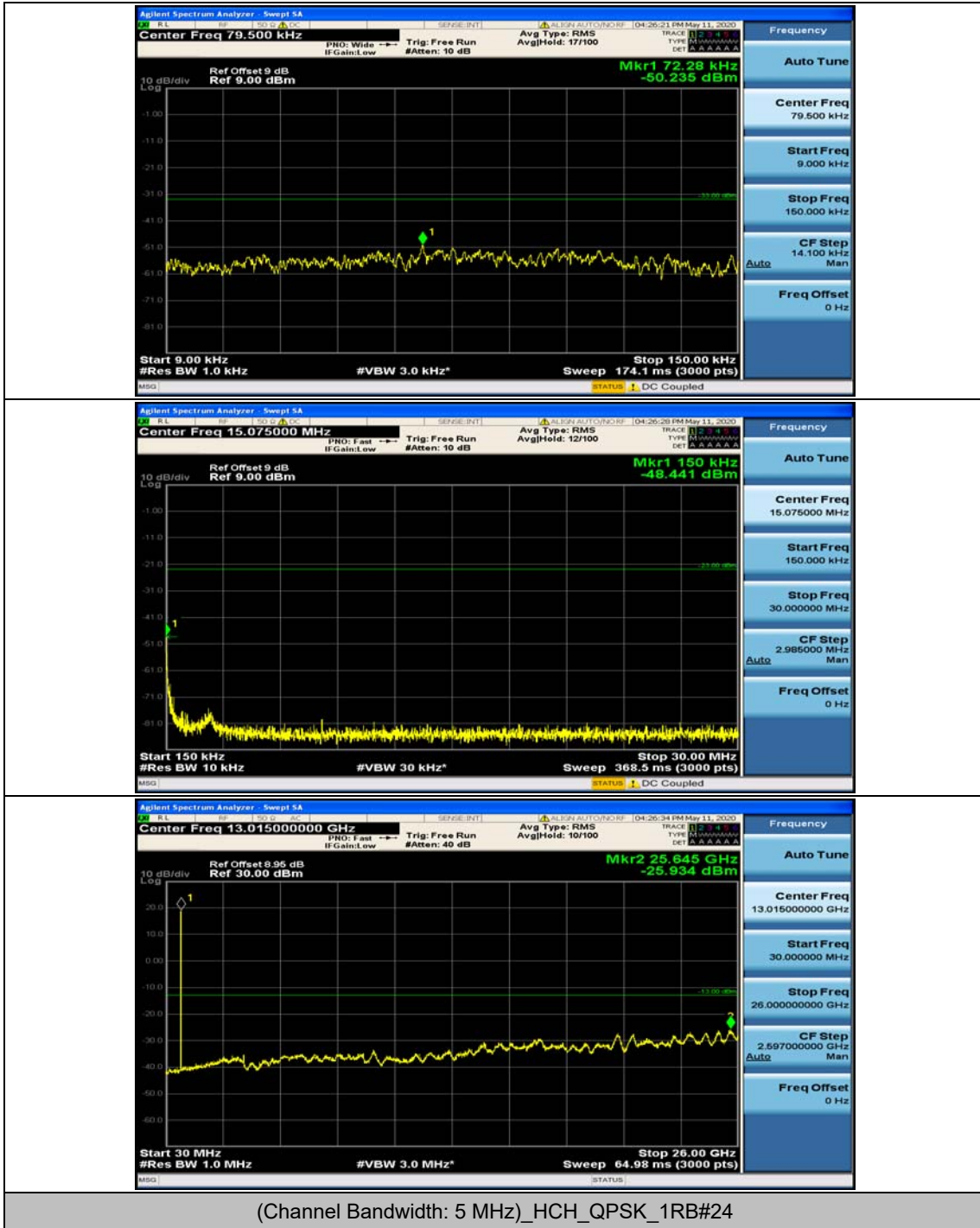


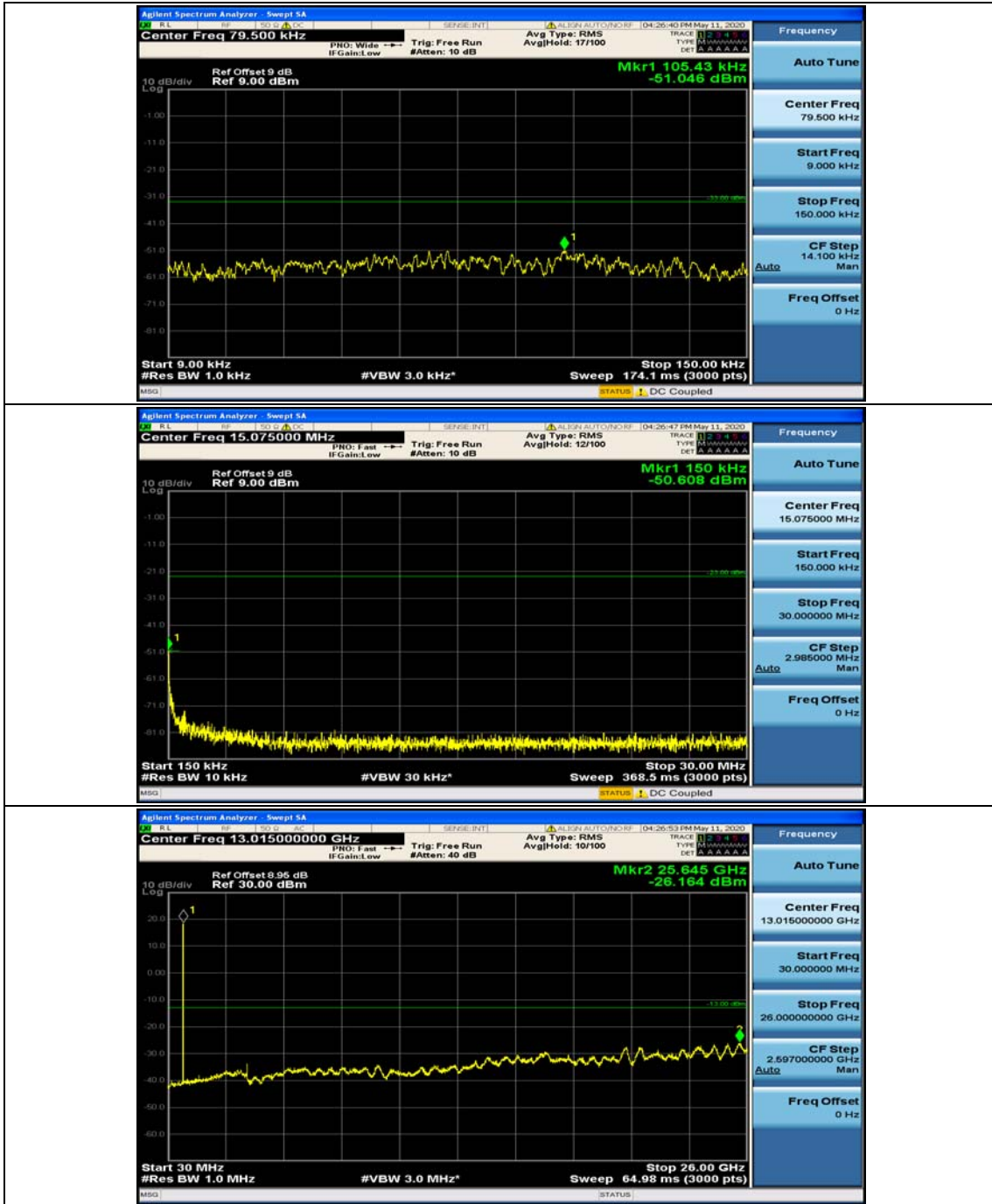


(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#0



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

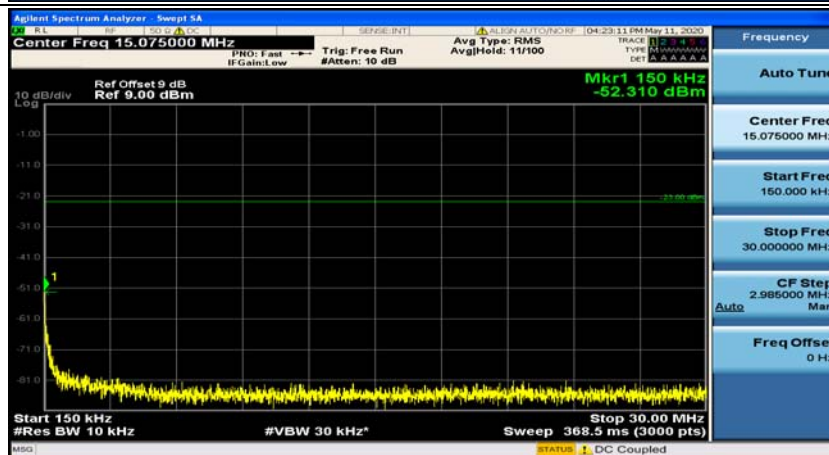
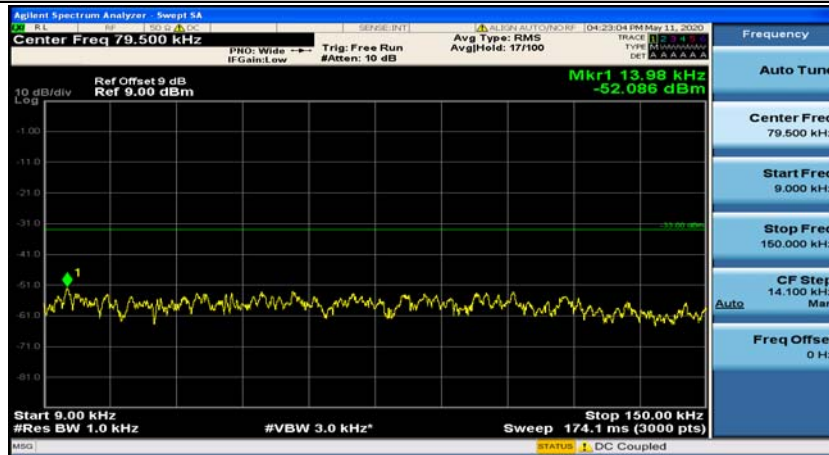




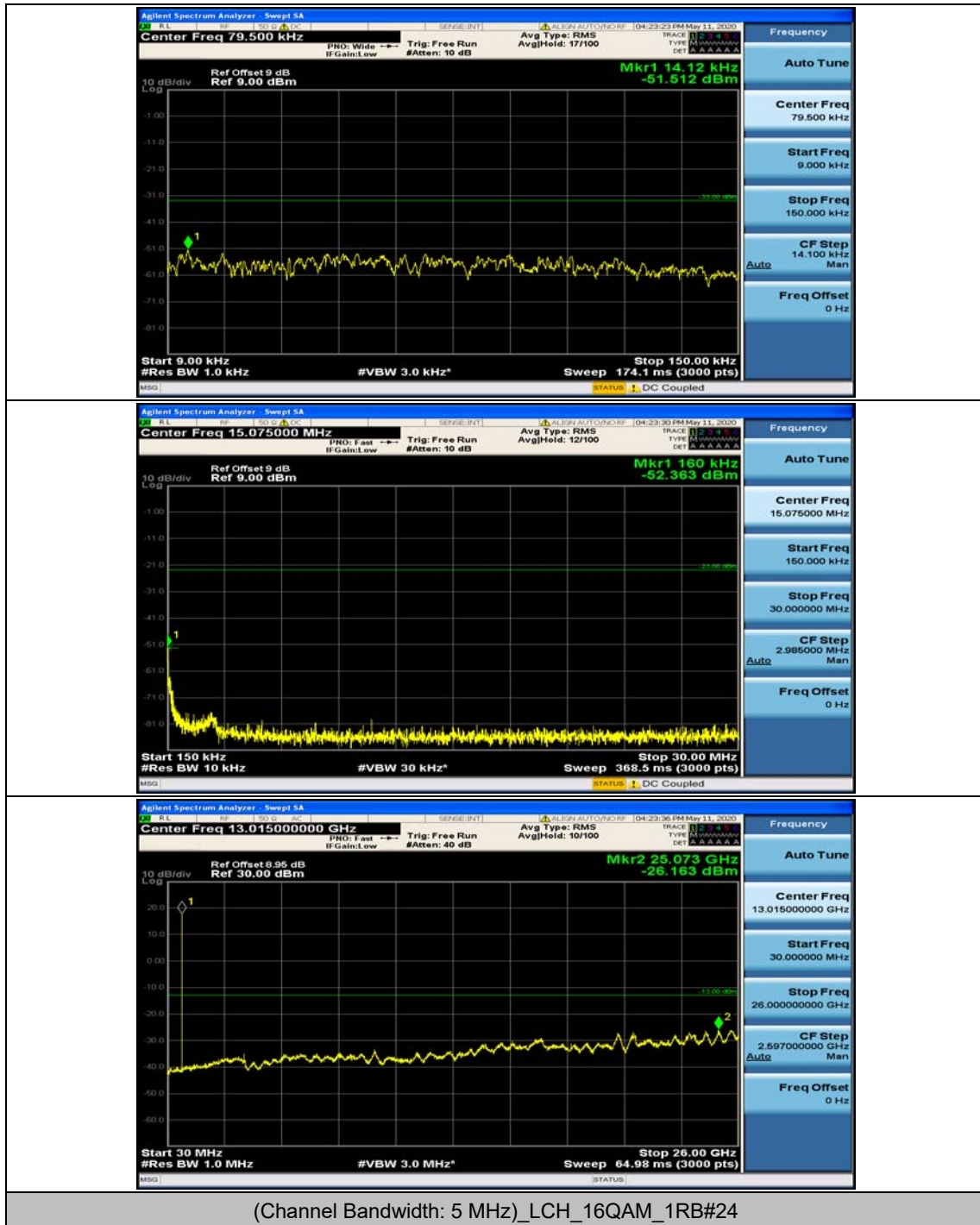


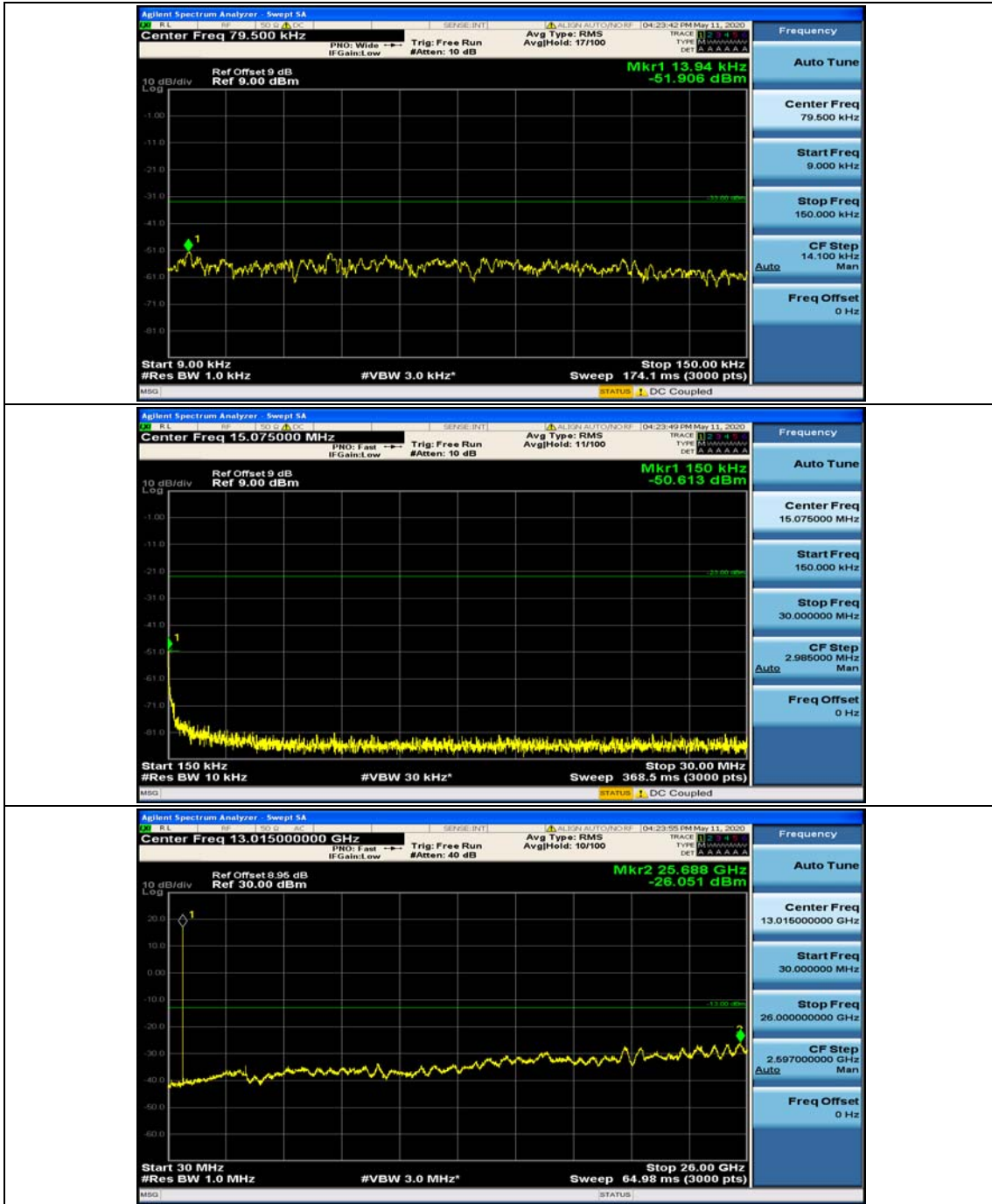


(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#0



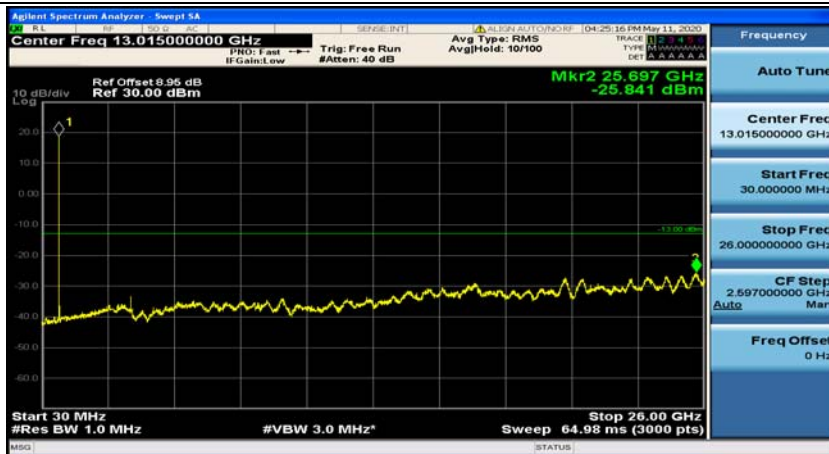
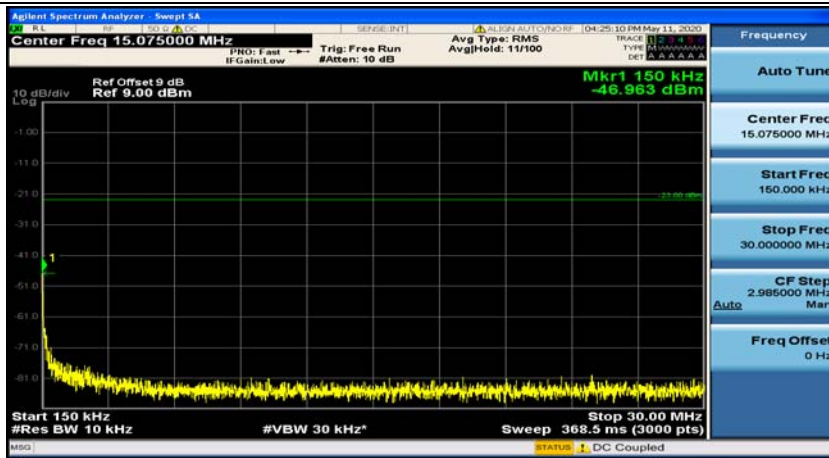
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#12



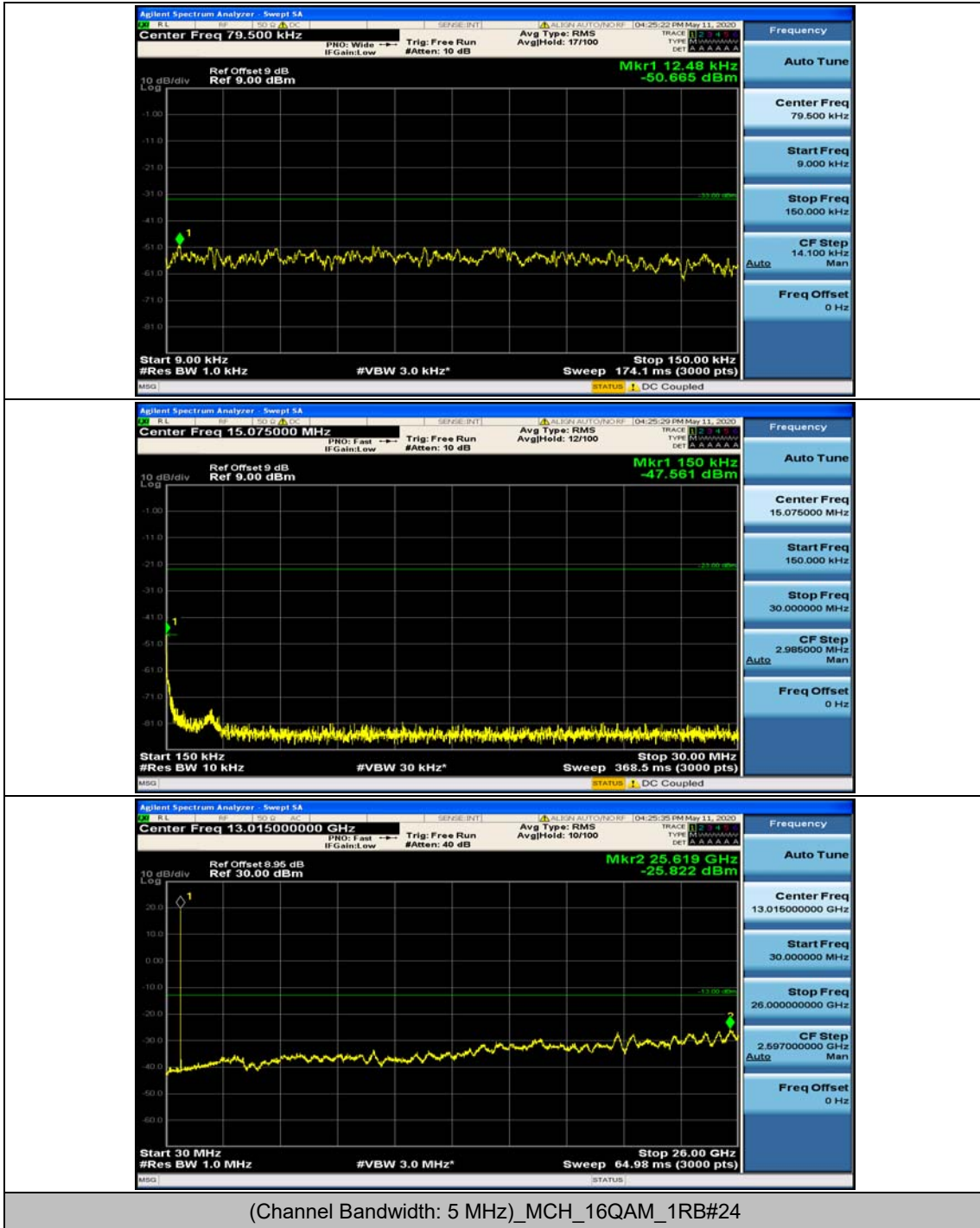




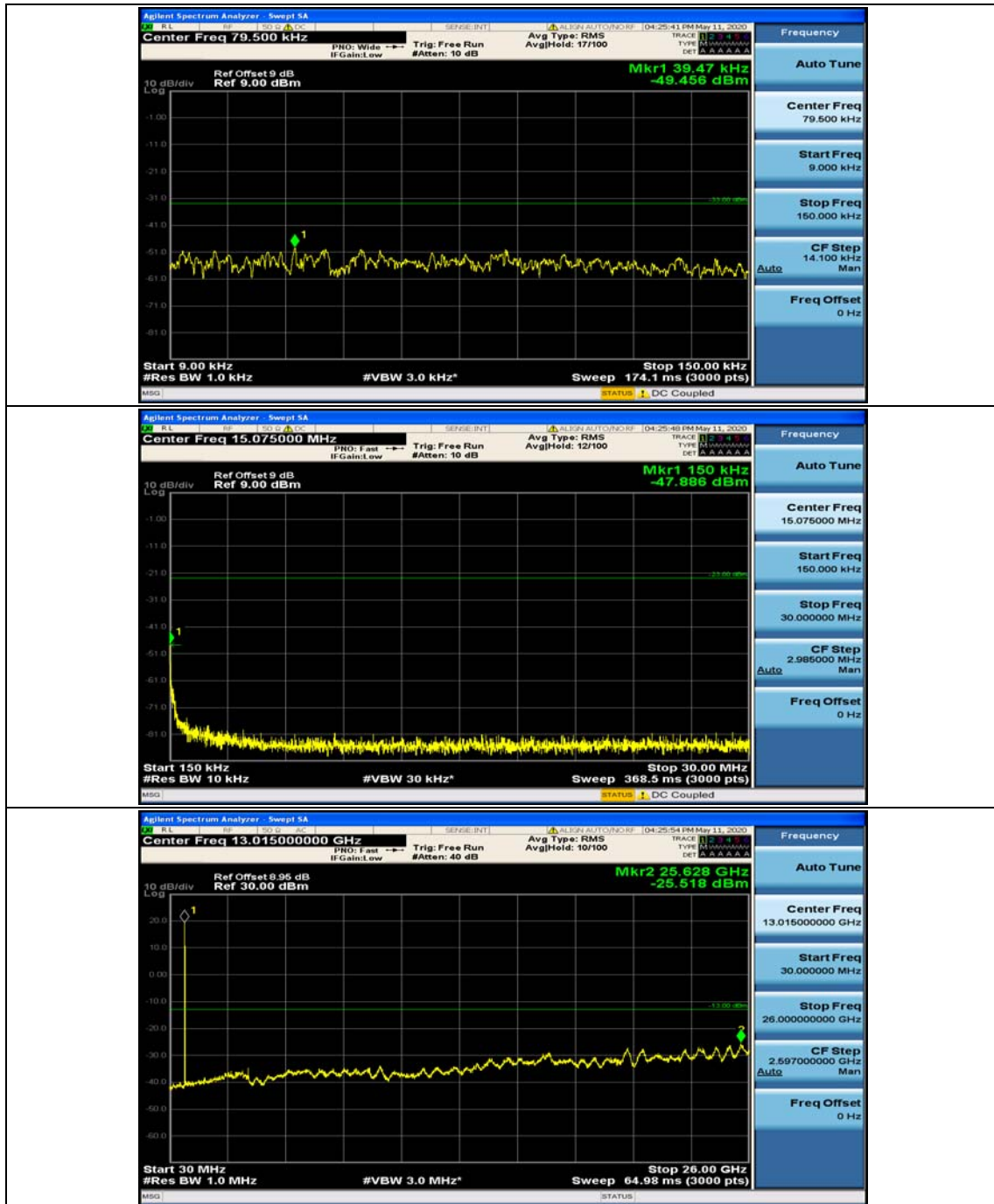
(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#0



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

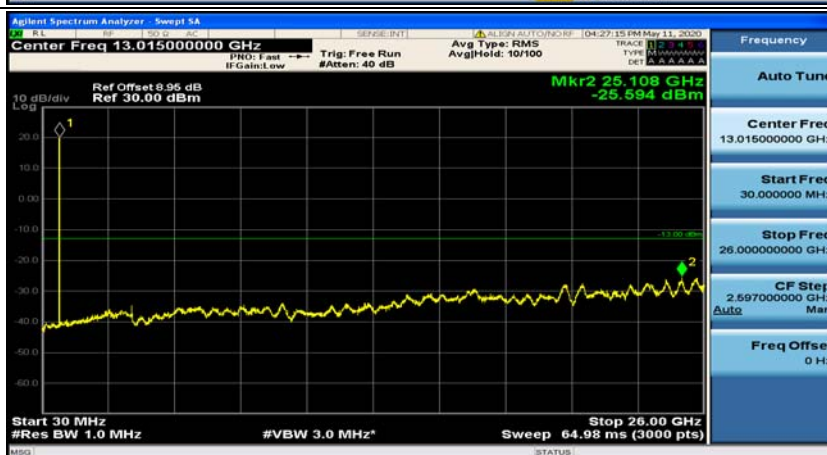
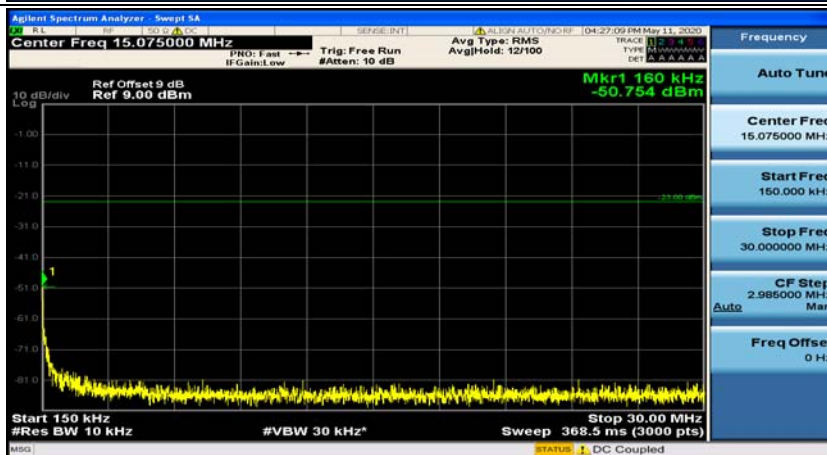
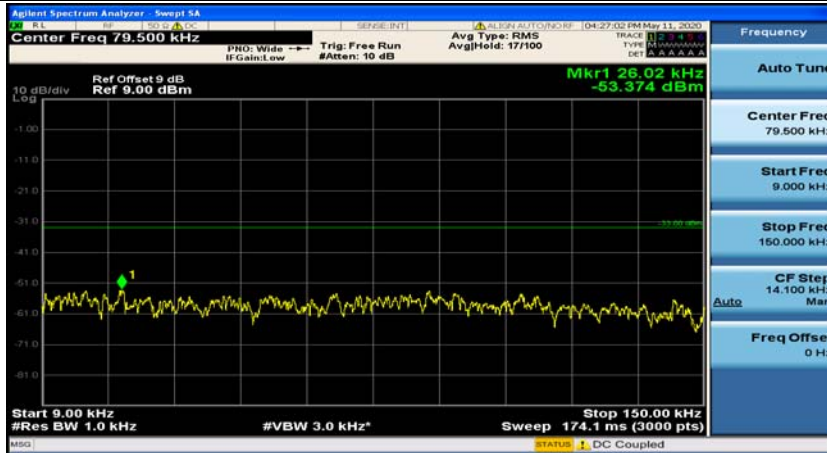




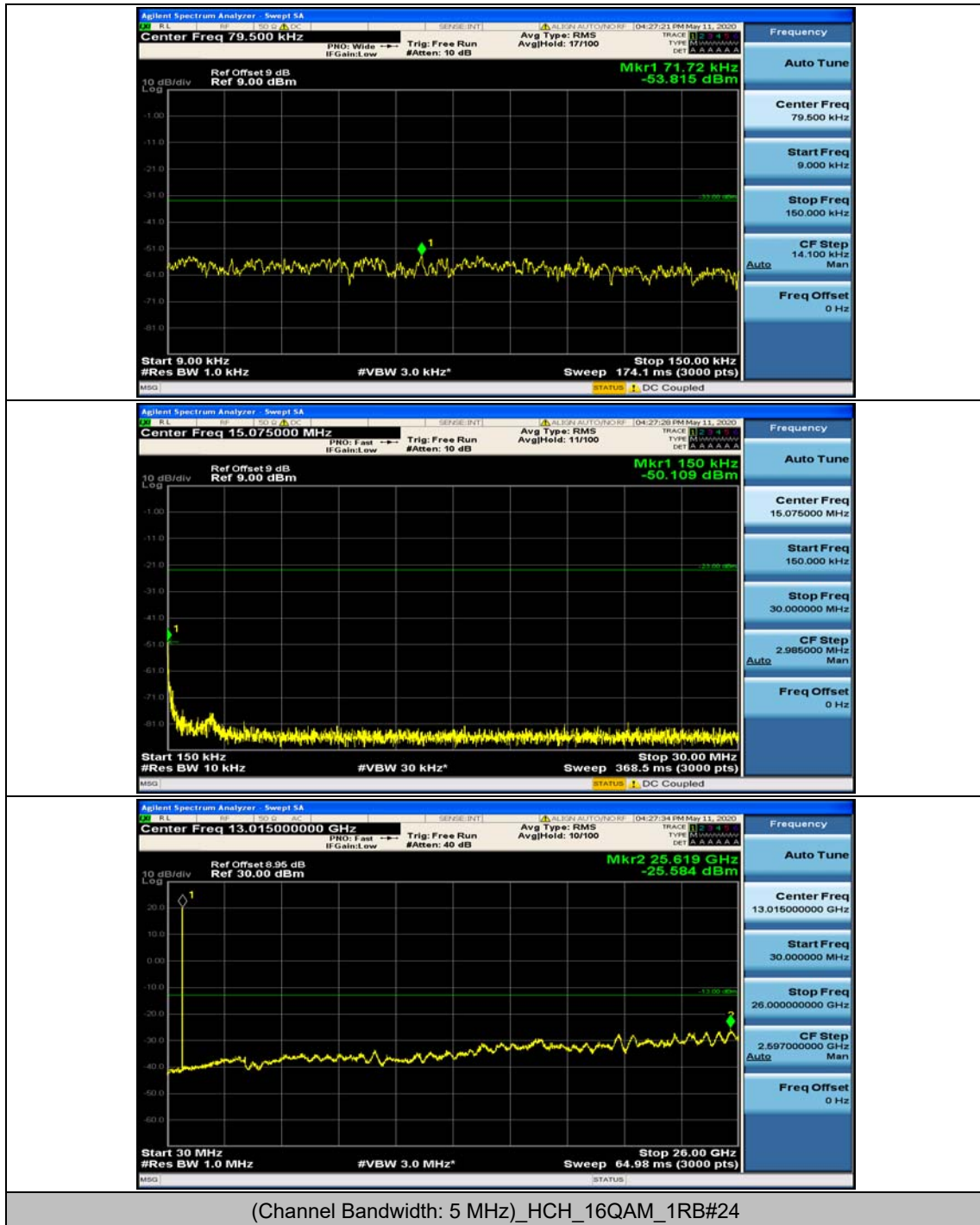


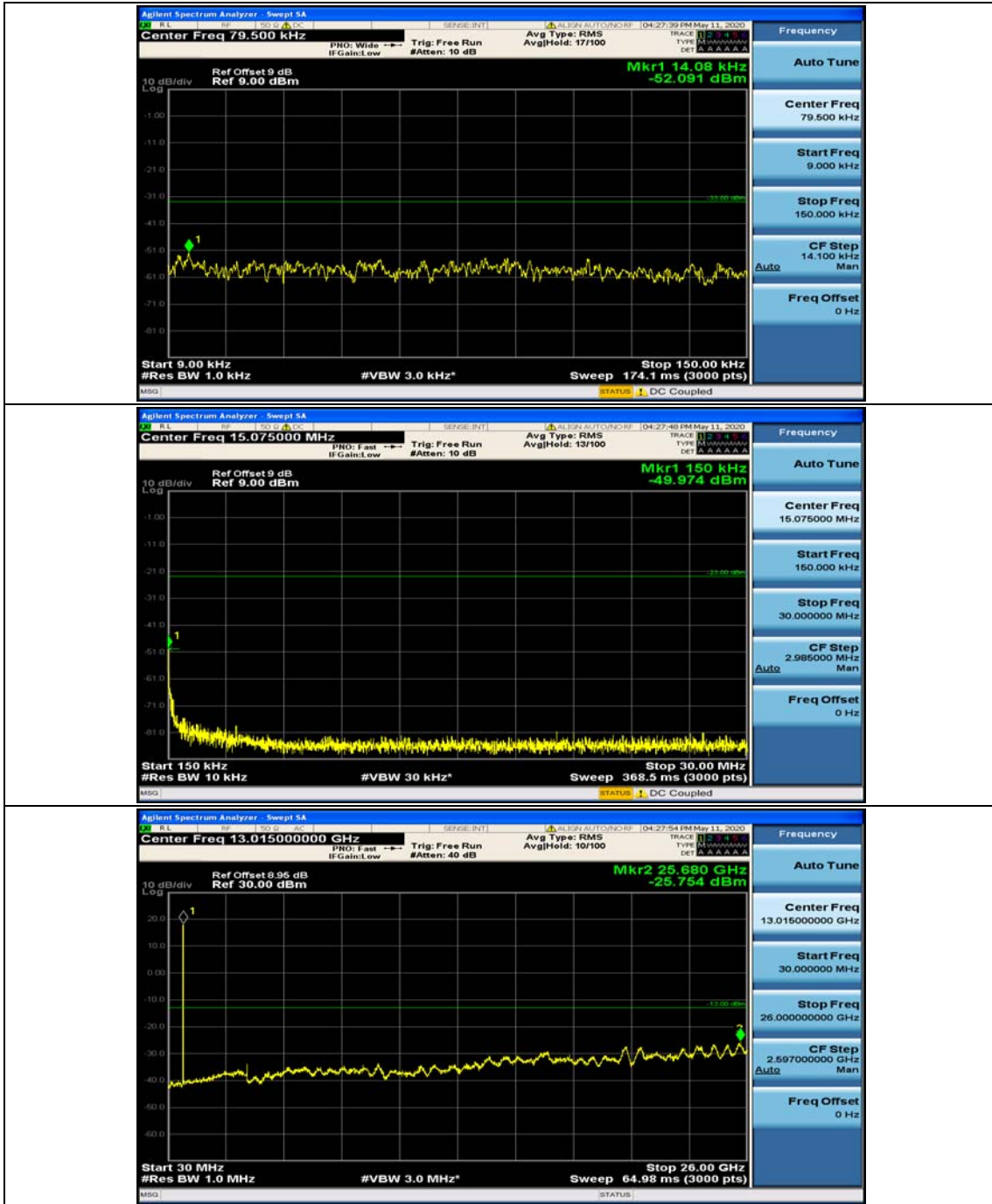


(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#0



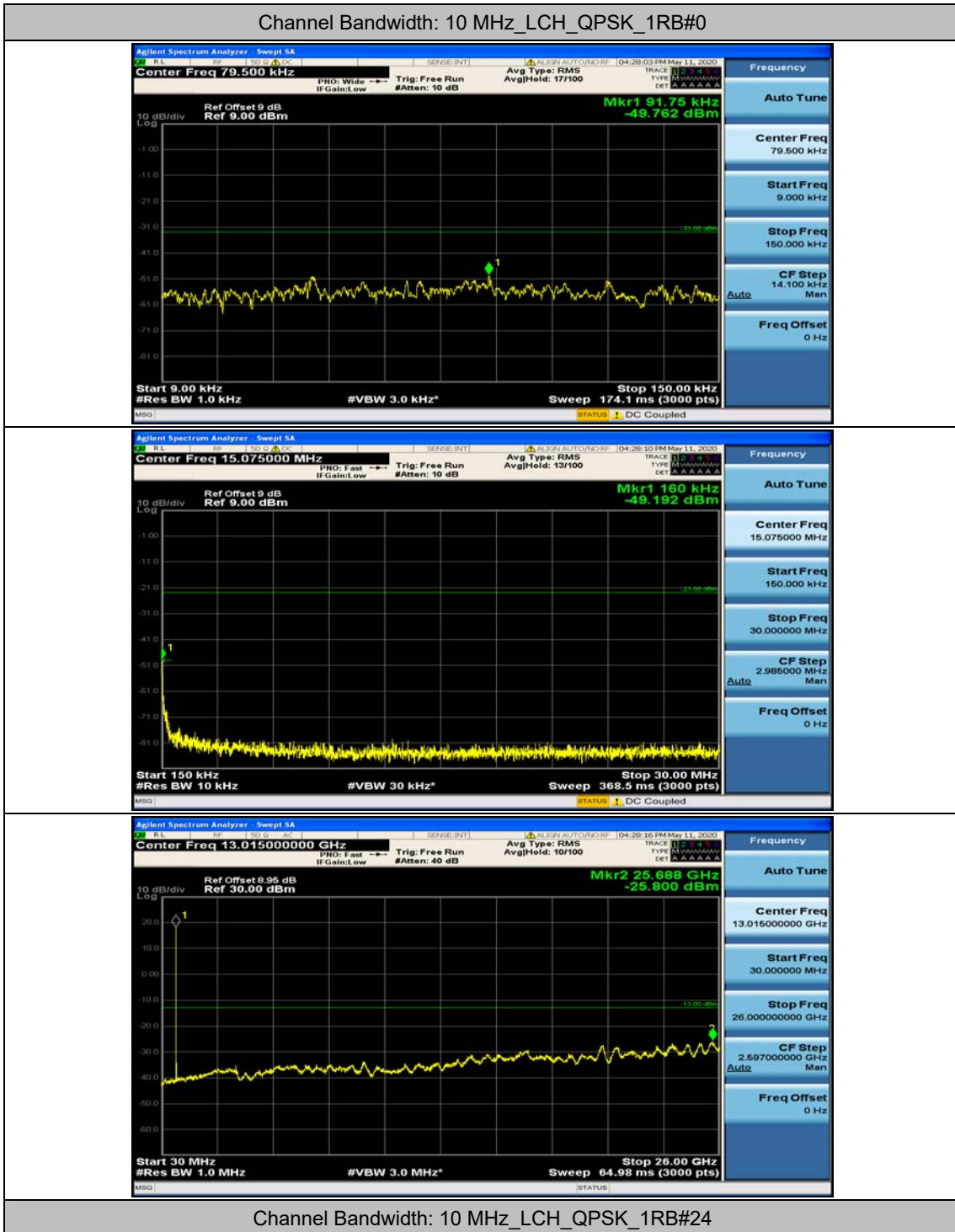
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#12



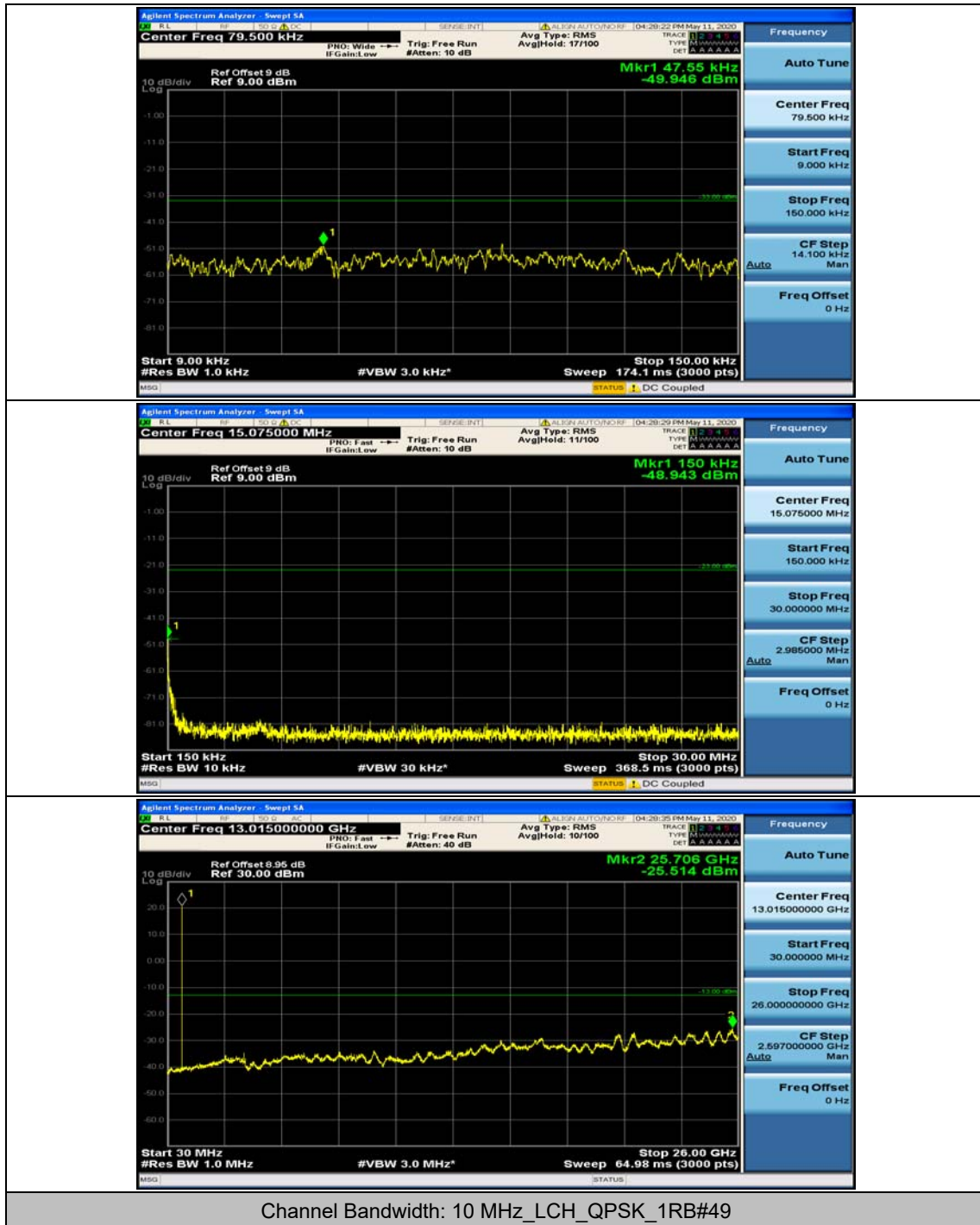


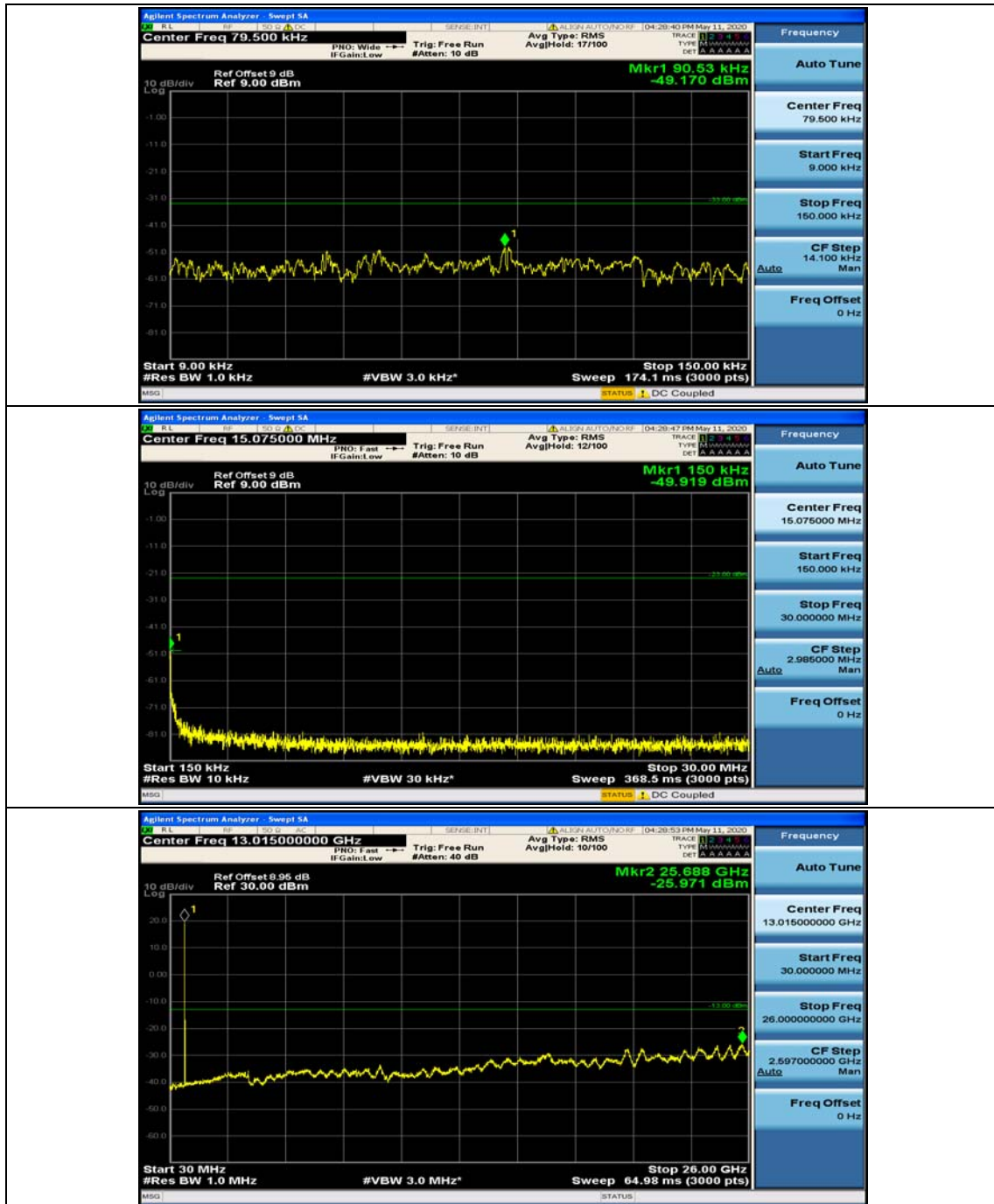


**Channel Bandwidth: 10 MHz**



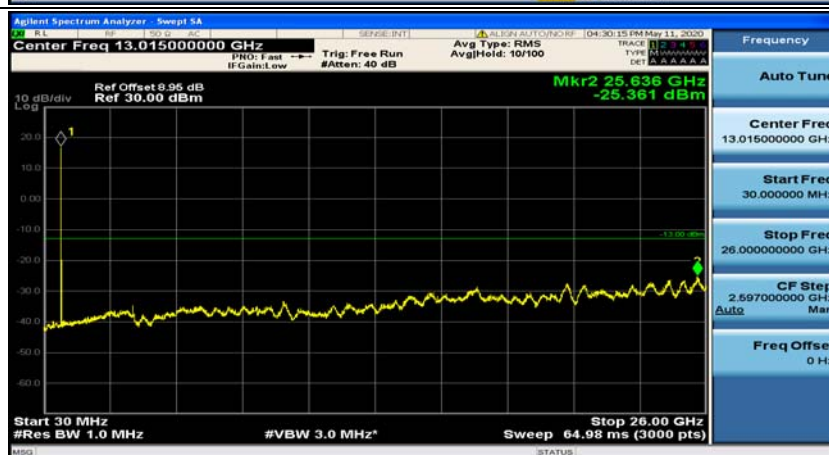
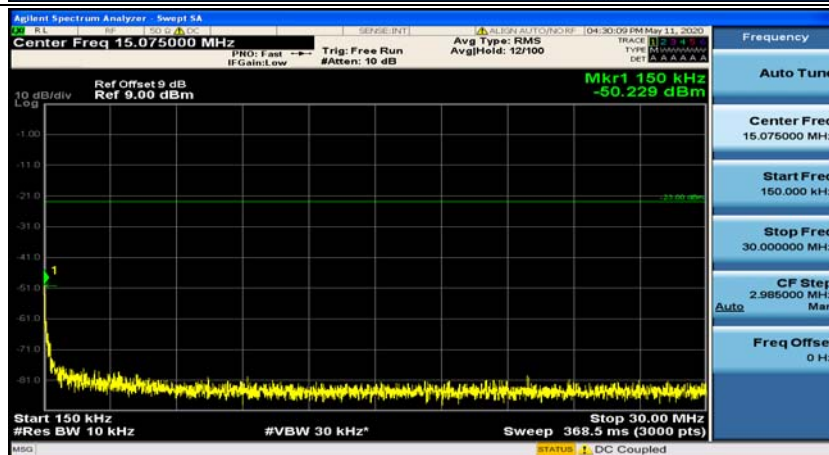
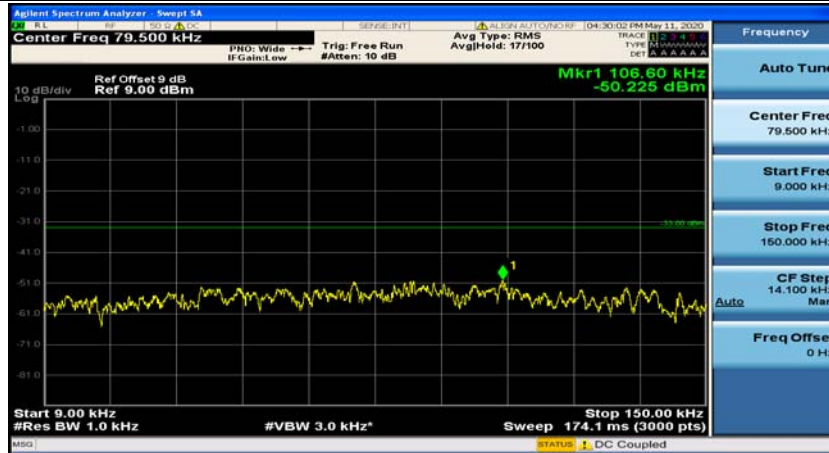




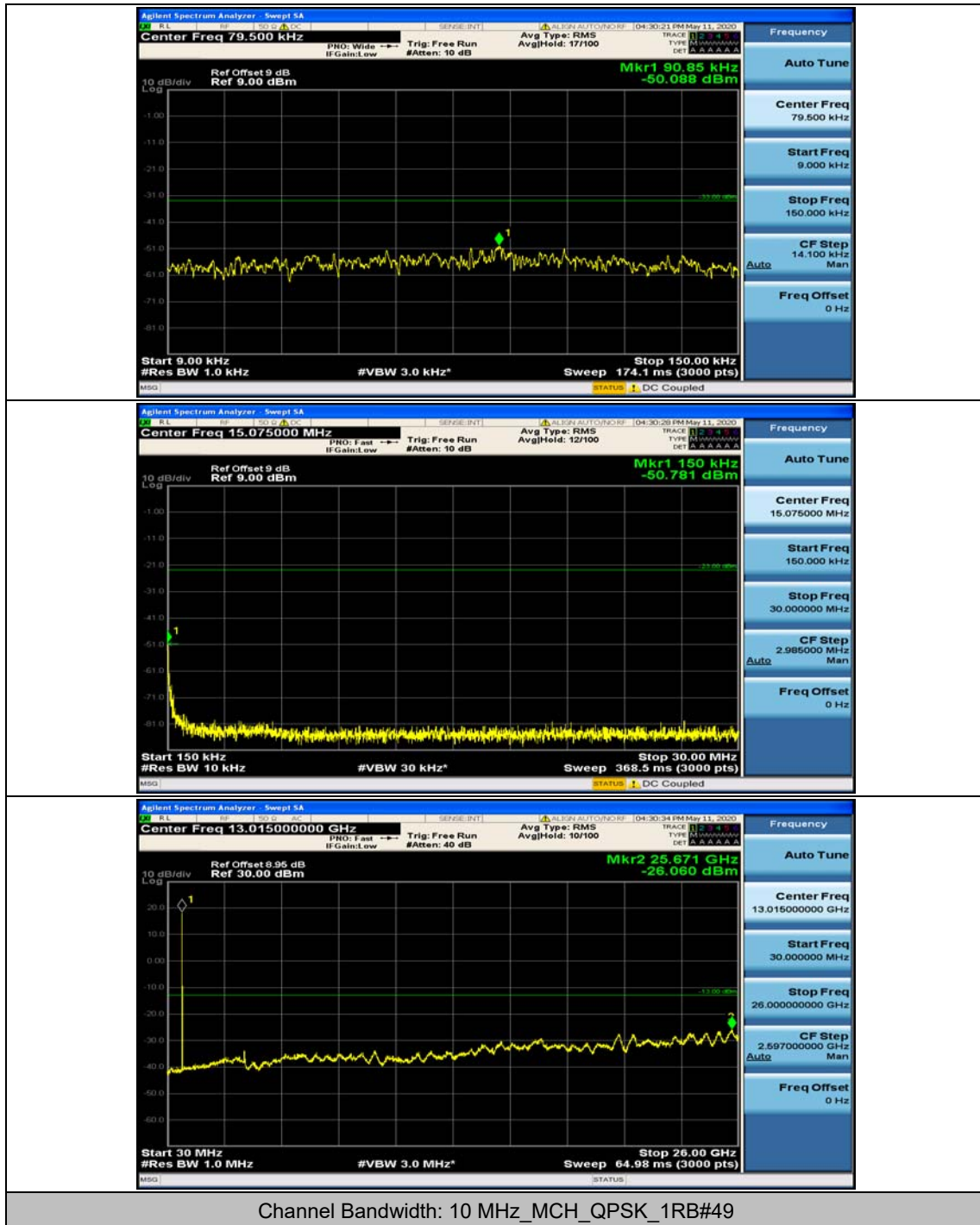


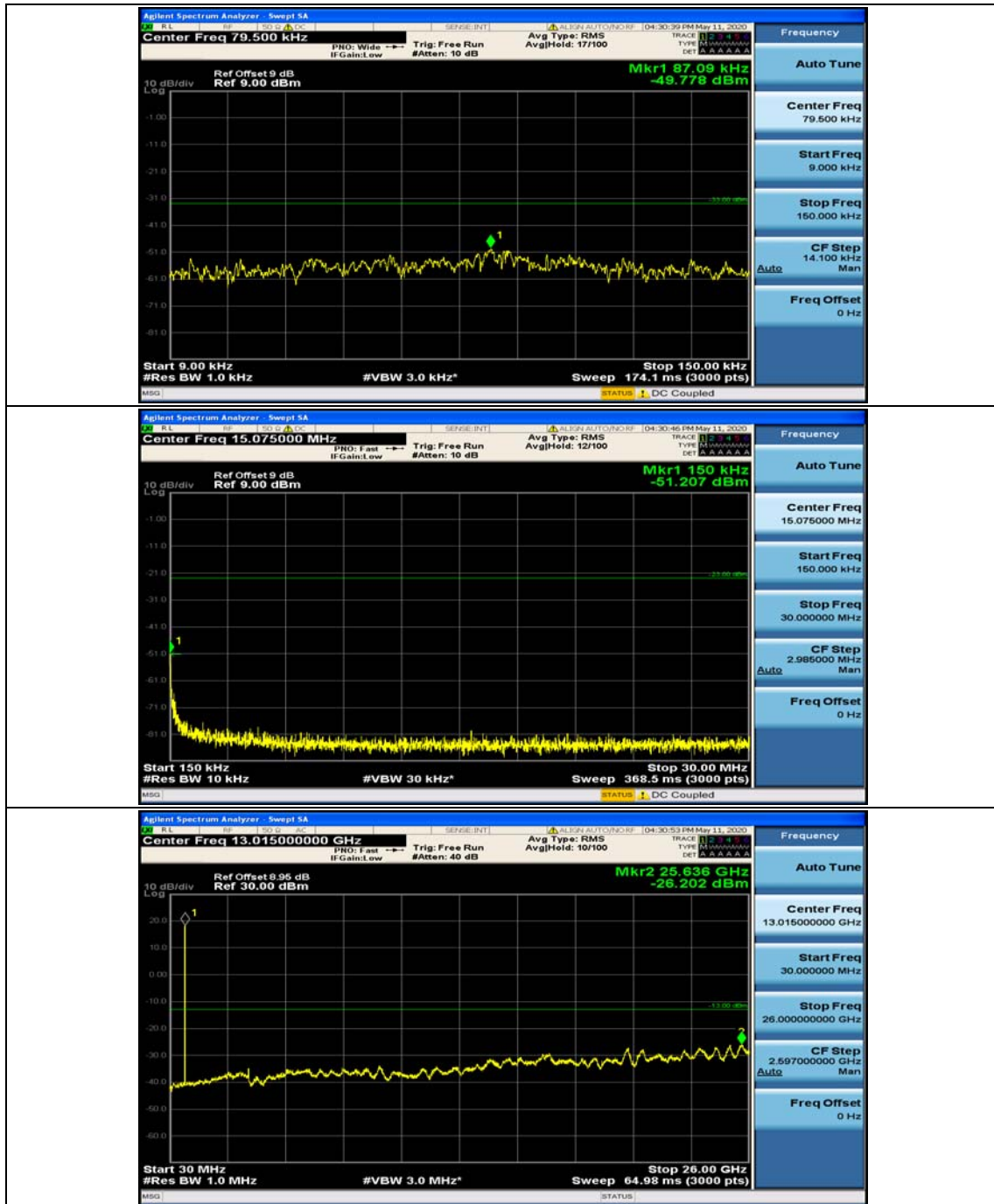


Channel Bandwidth: 10 MHz\_MCH\_QPSK\_1RB#0



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

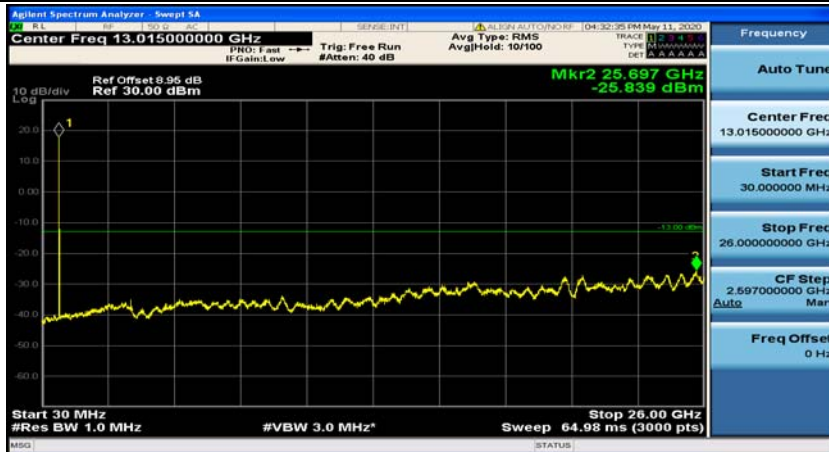
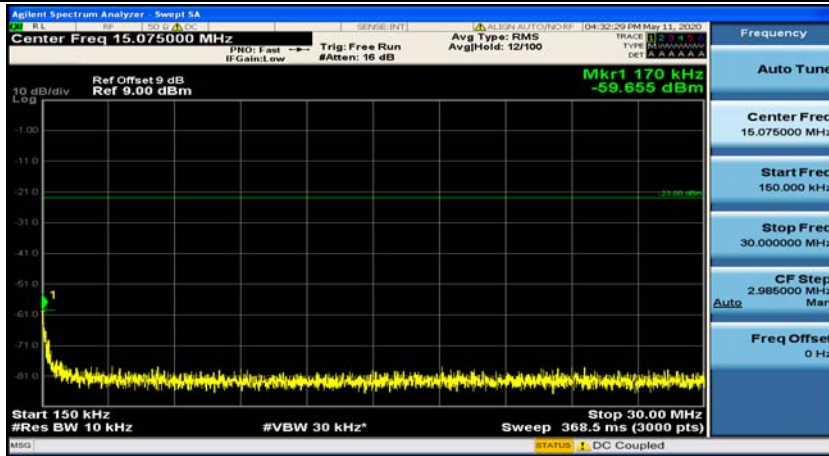
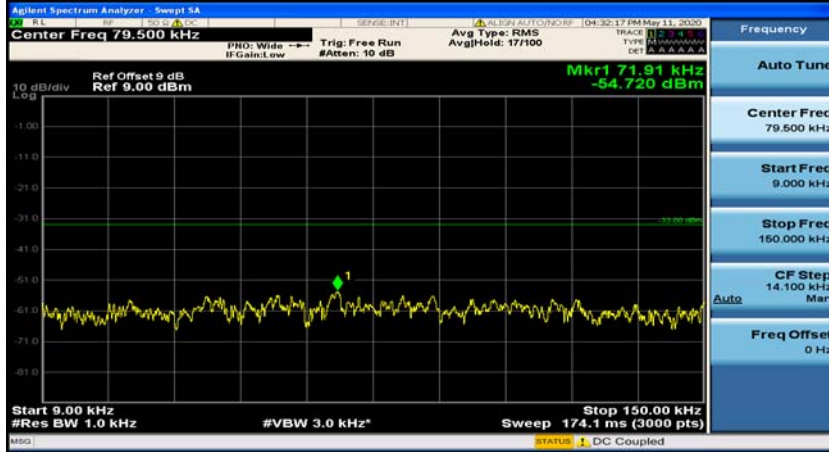




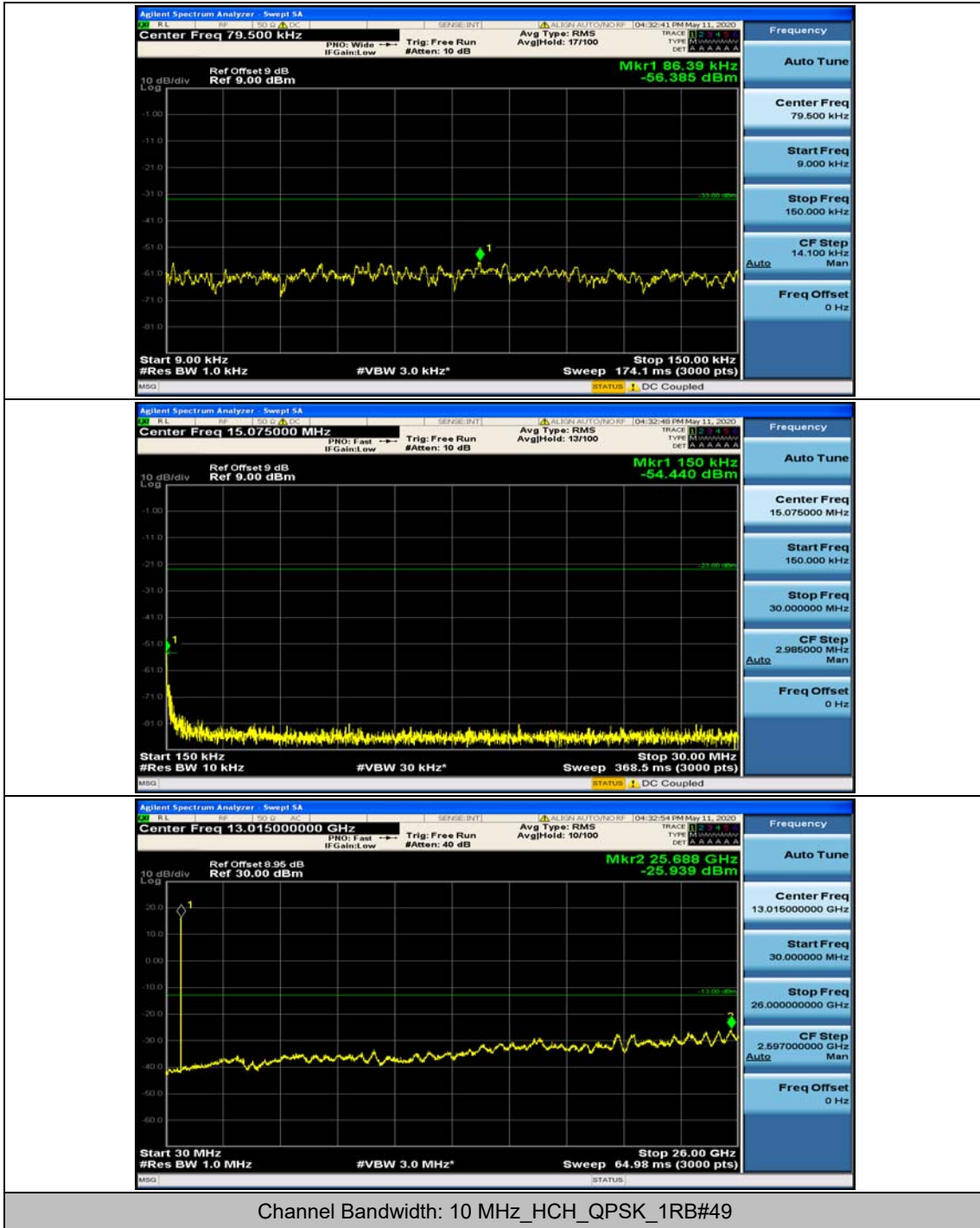


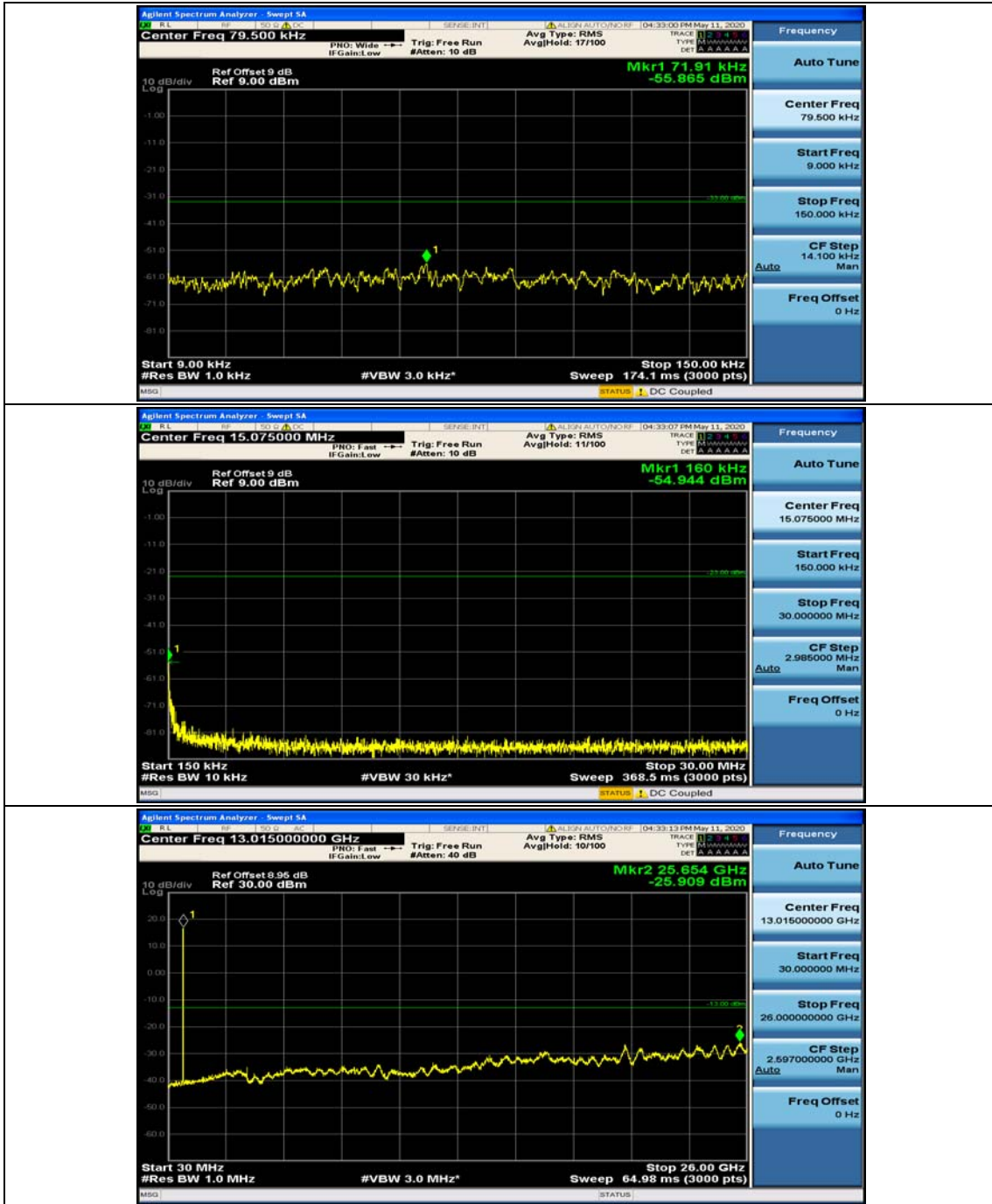


Channel Bandwidth: 10 MHz\_HCH\_QPSK\_1RB#0



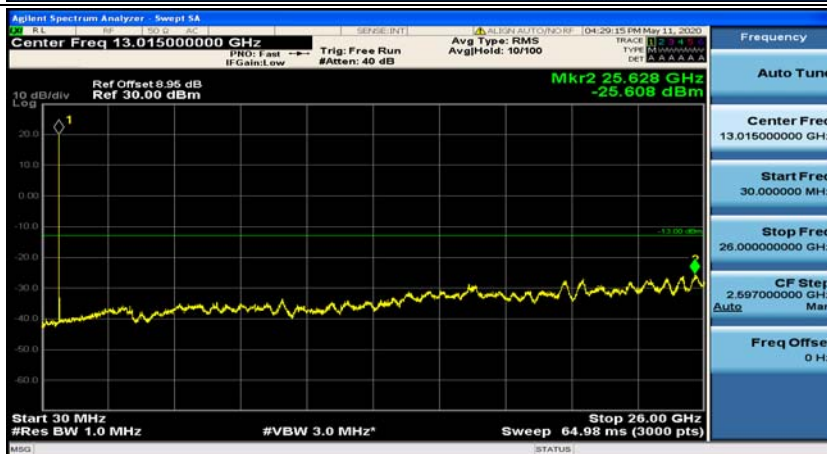
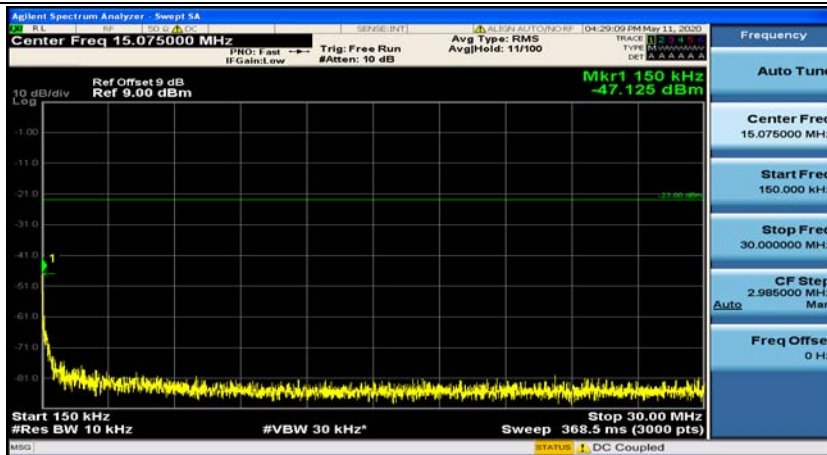
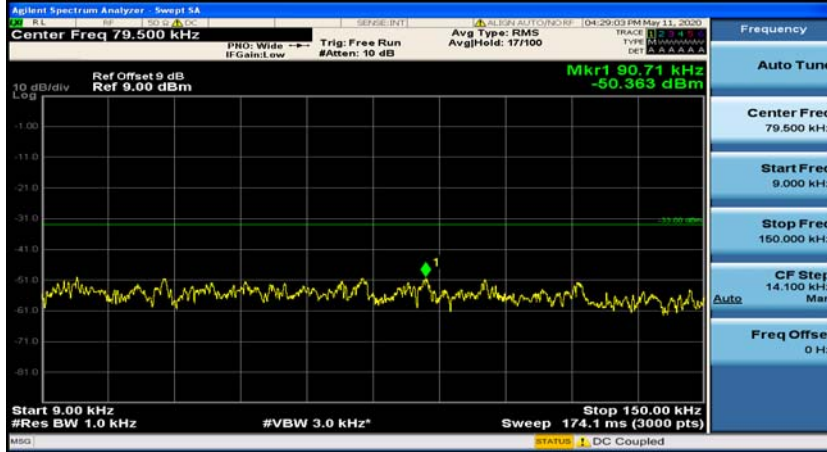
Channel Bandwidth: 10 MHz\_HCH\_QPSK\_1RB#24



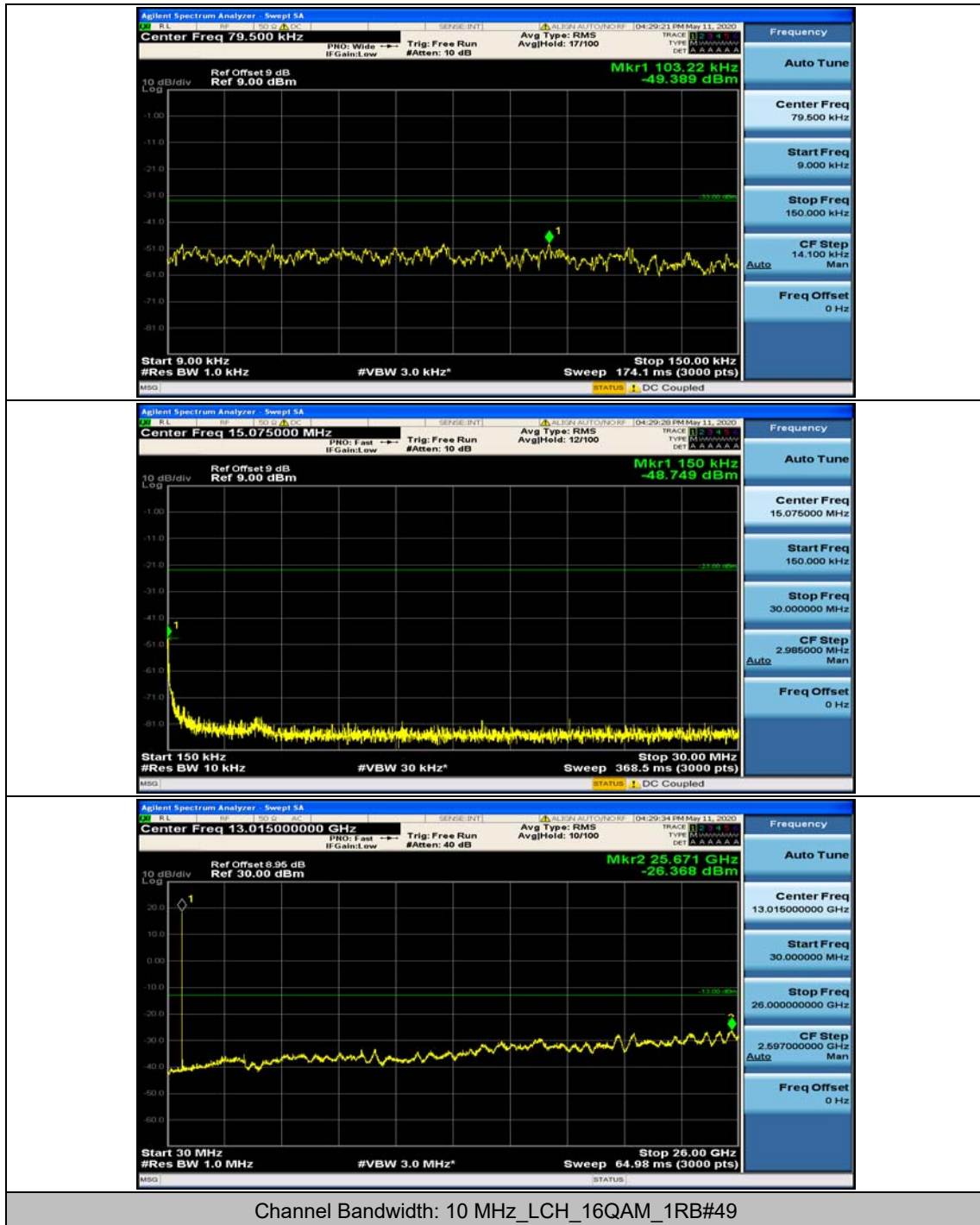




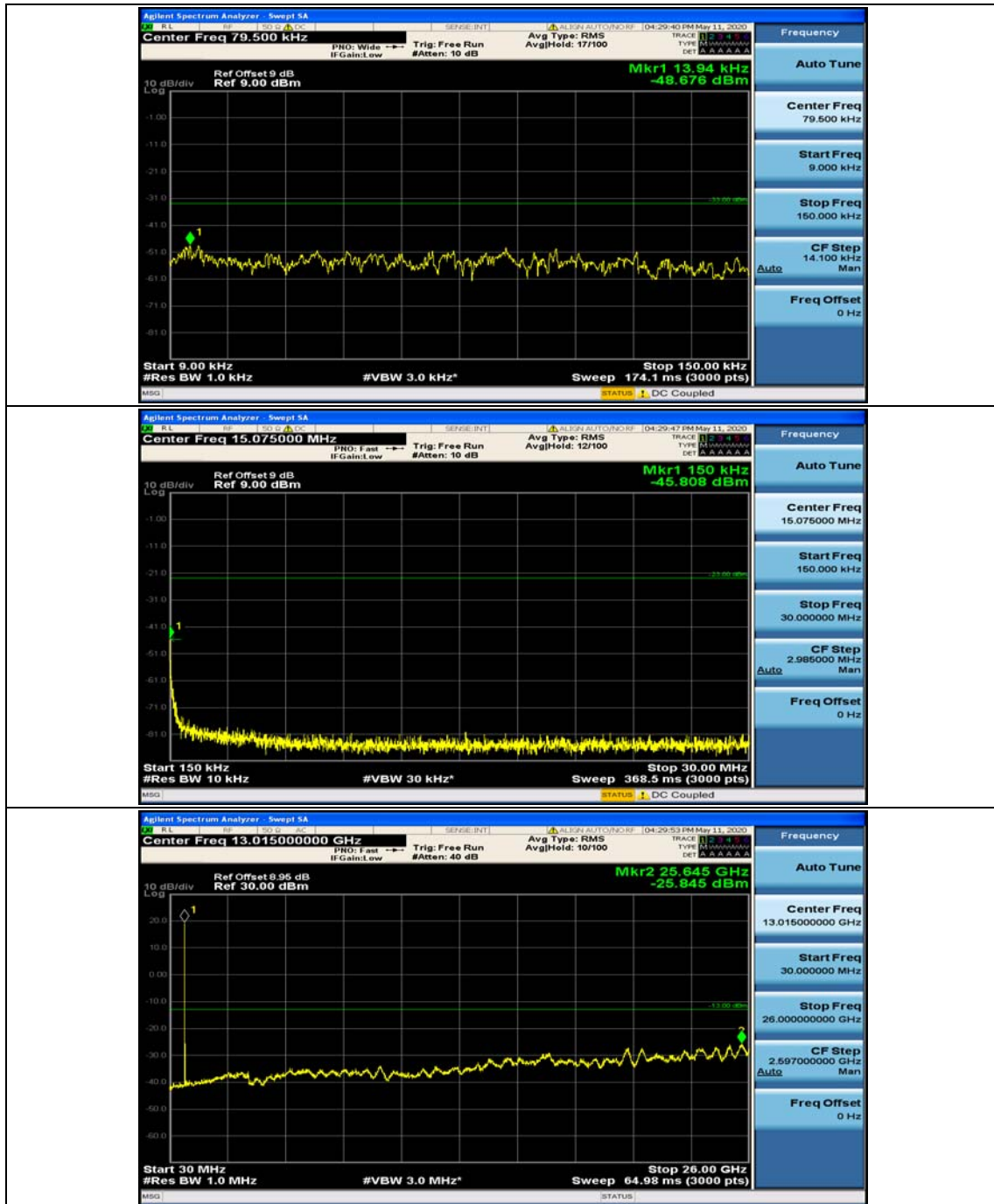
Channel Bandwidth: 10 MHz\_LCH\_16QAM\_1RB#0



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

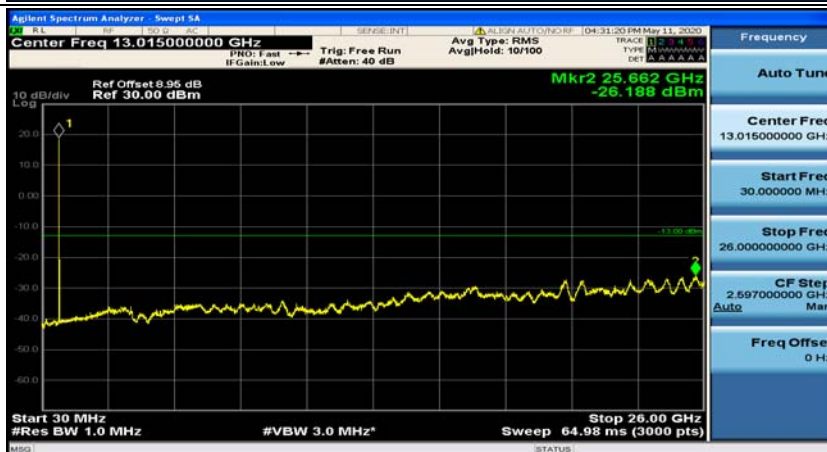
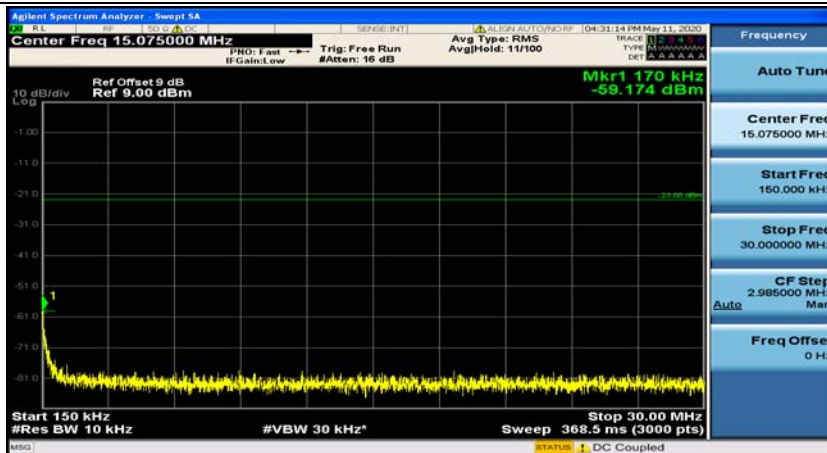
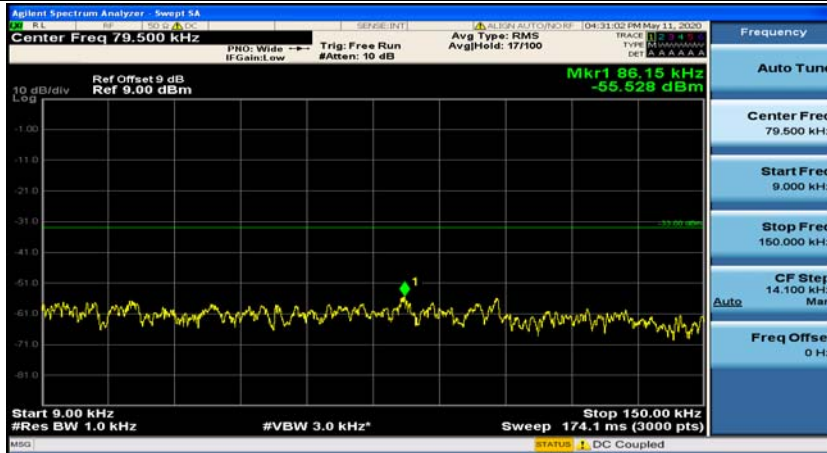




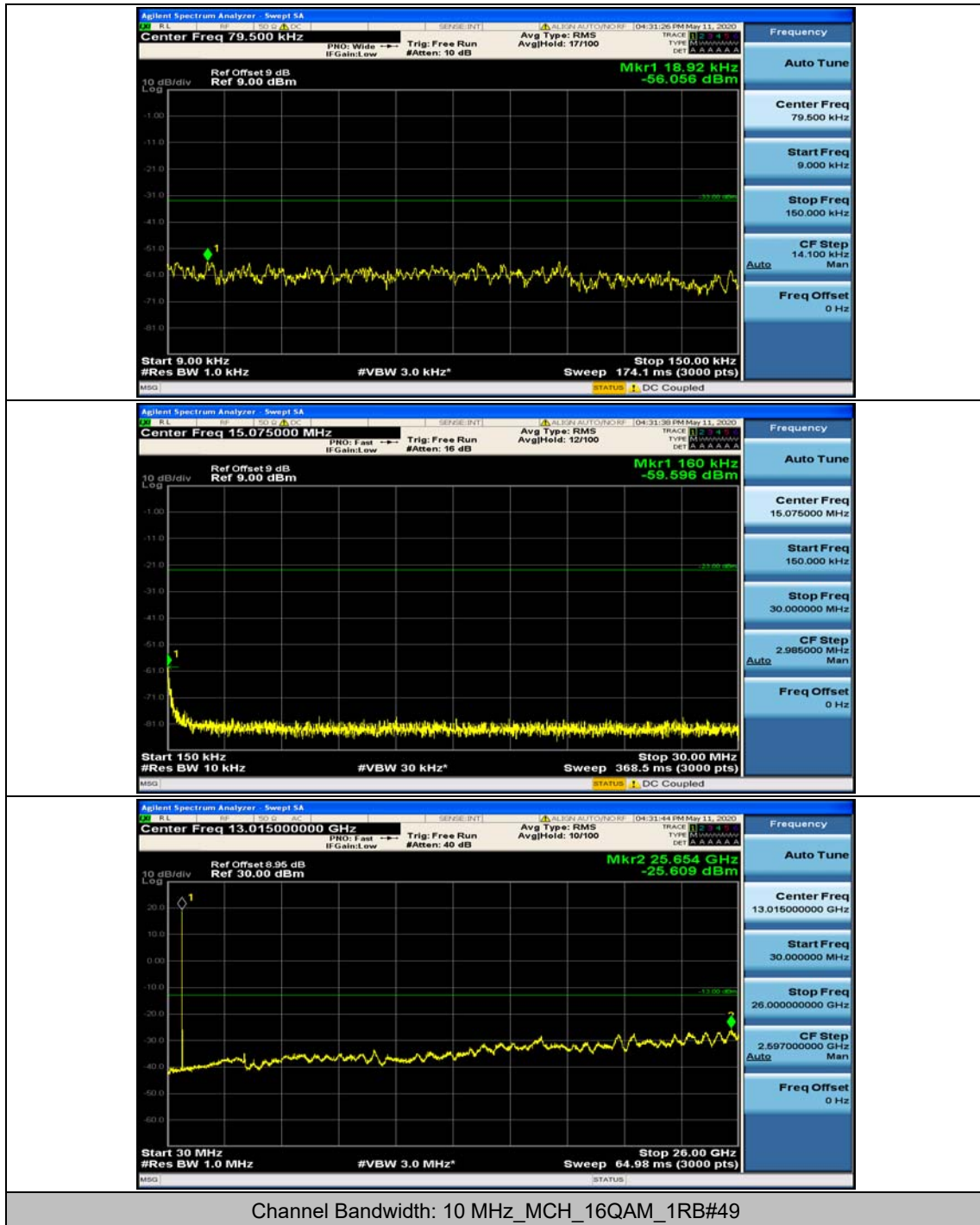


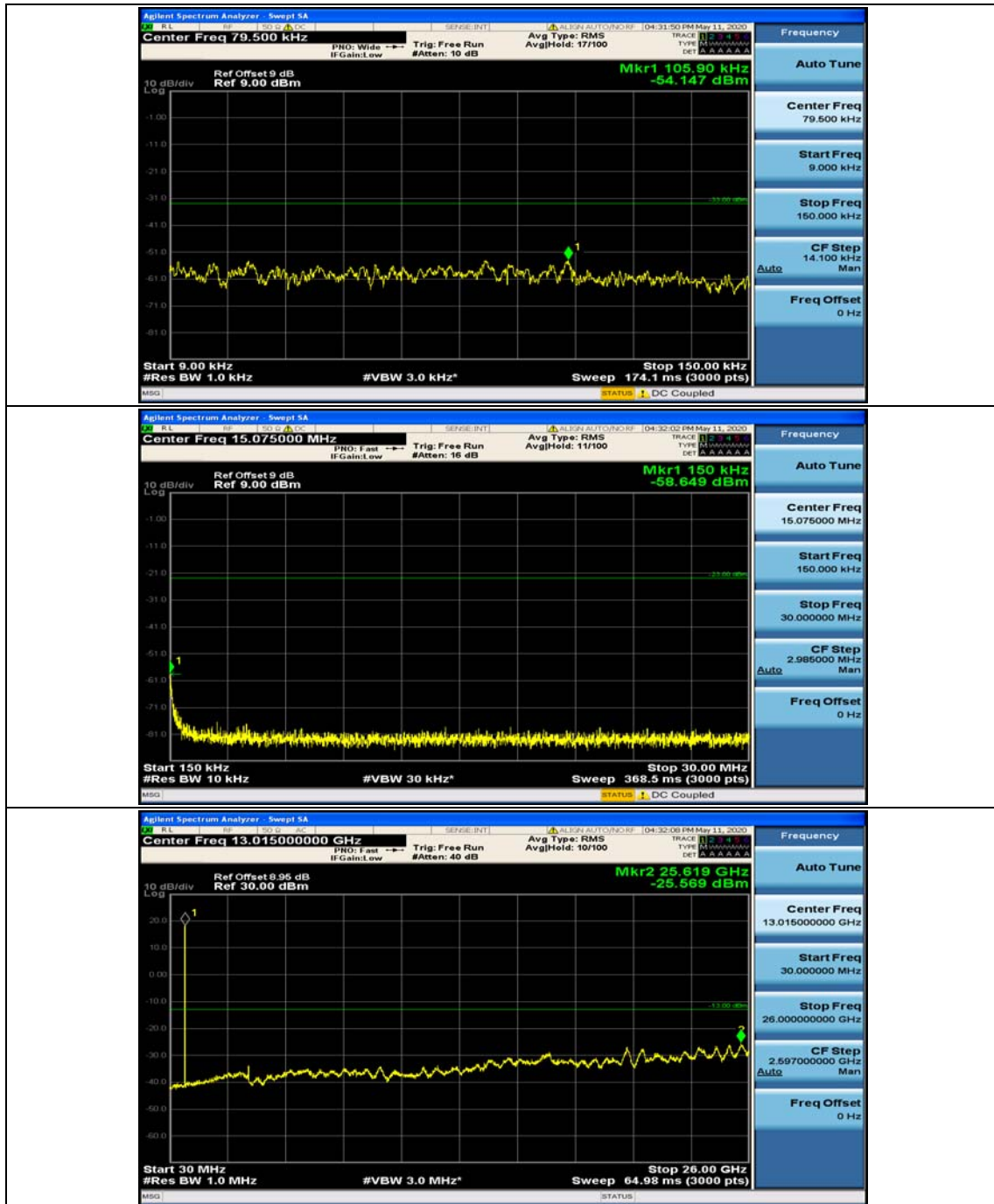


Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#0



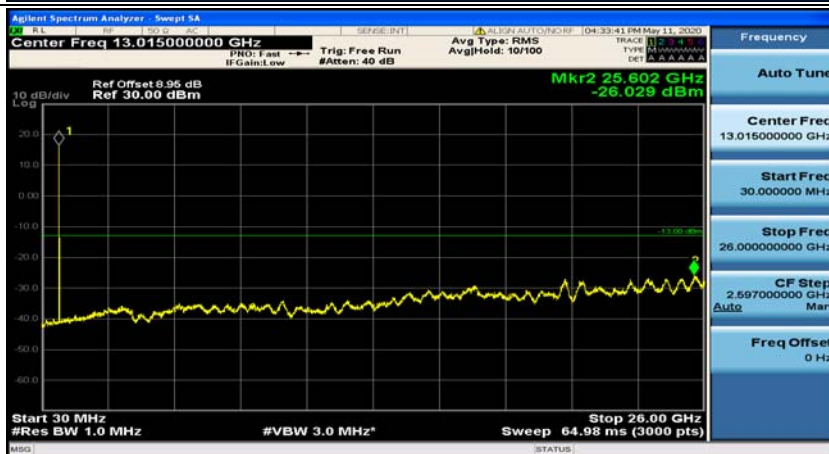
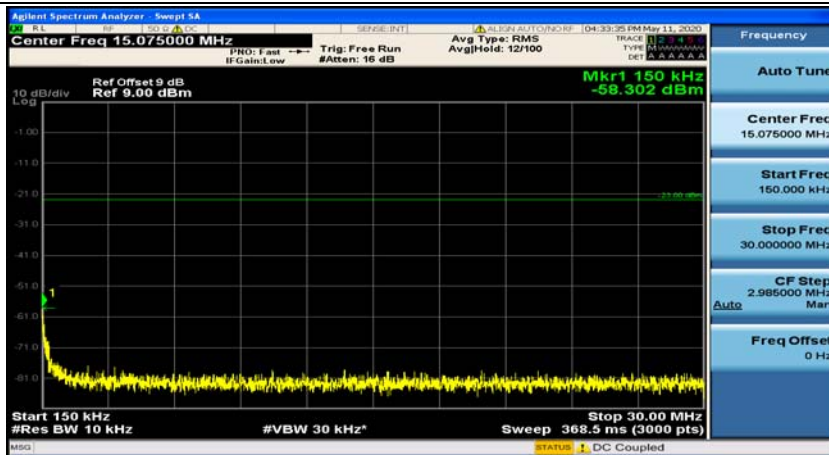
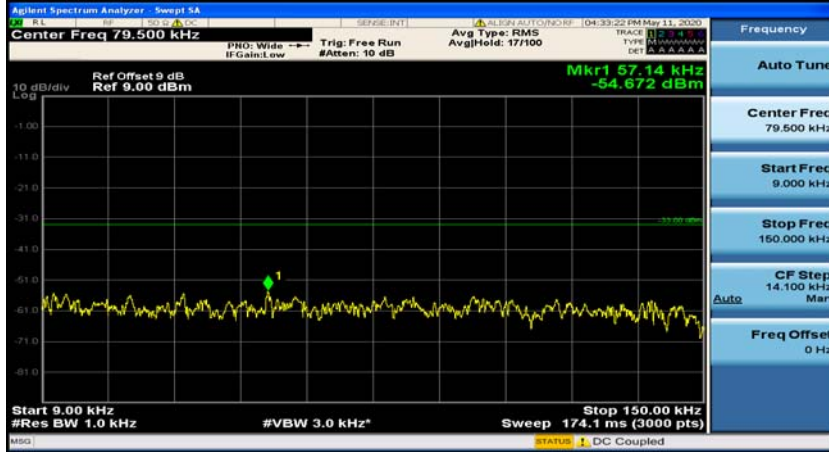
Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#24





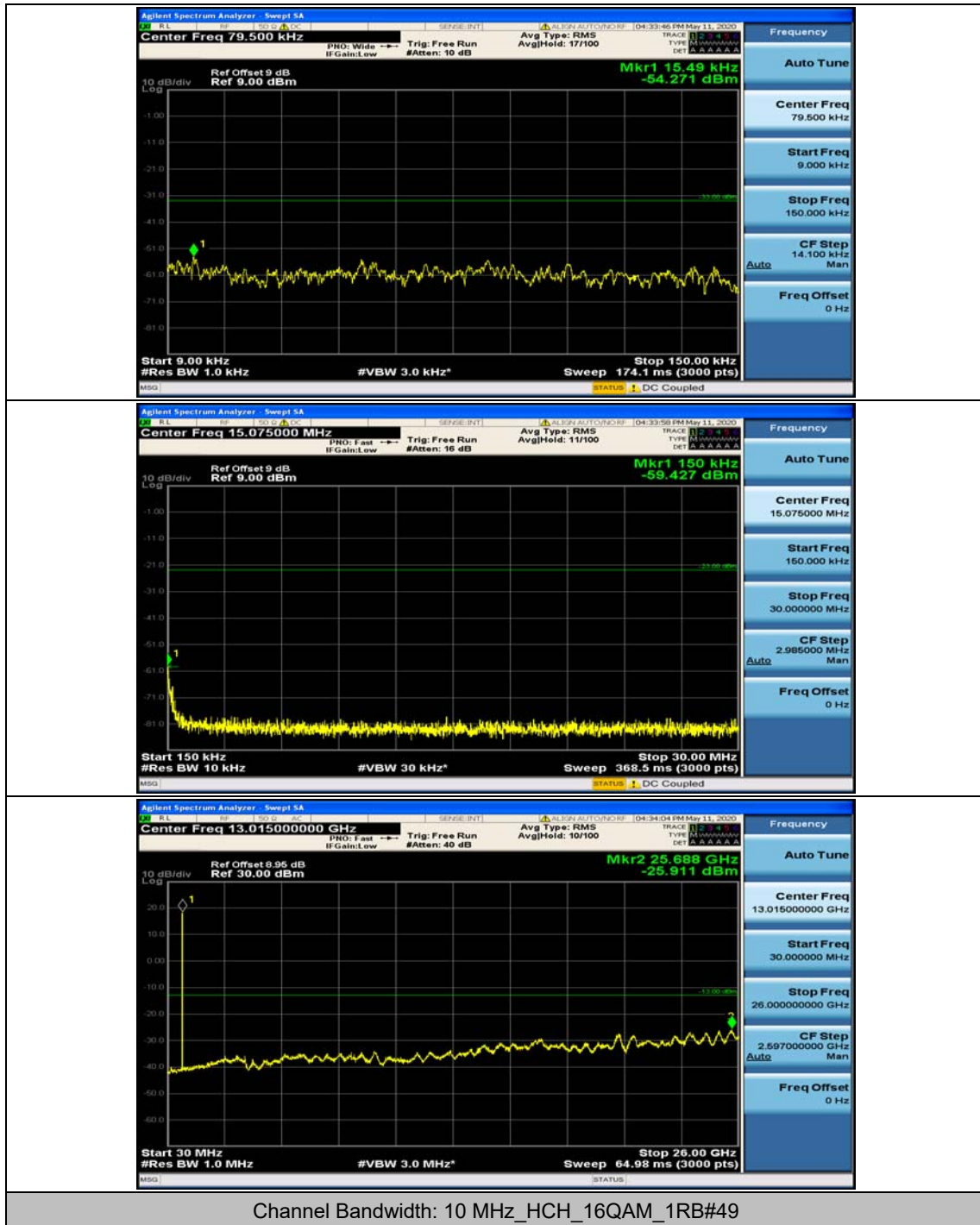


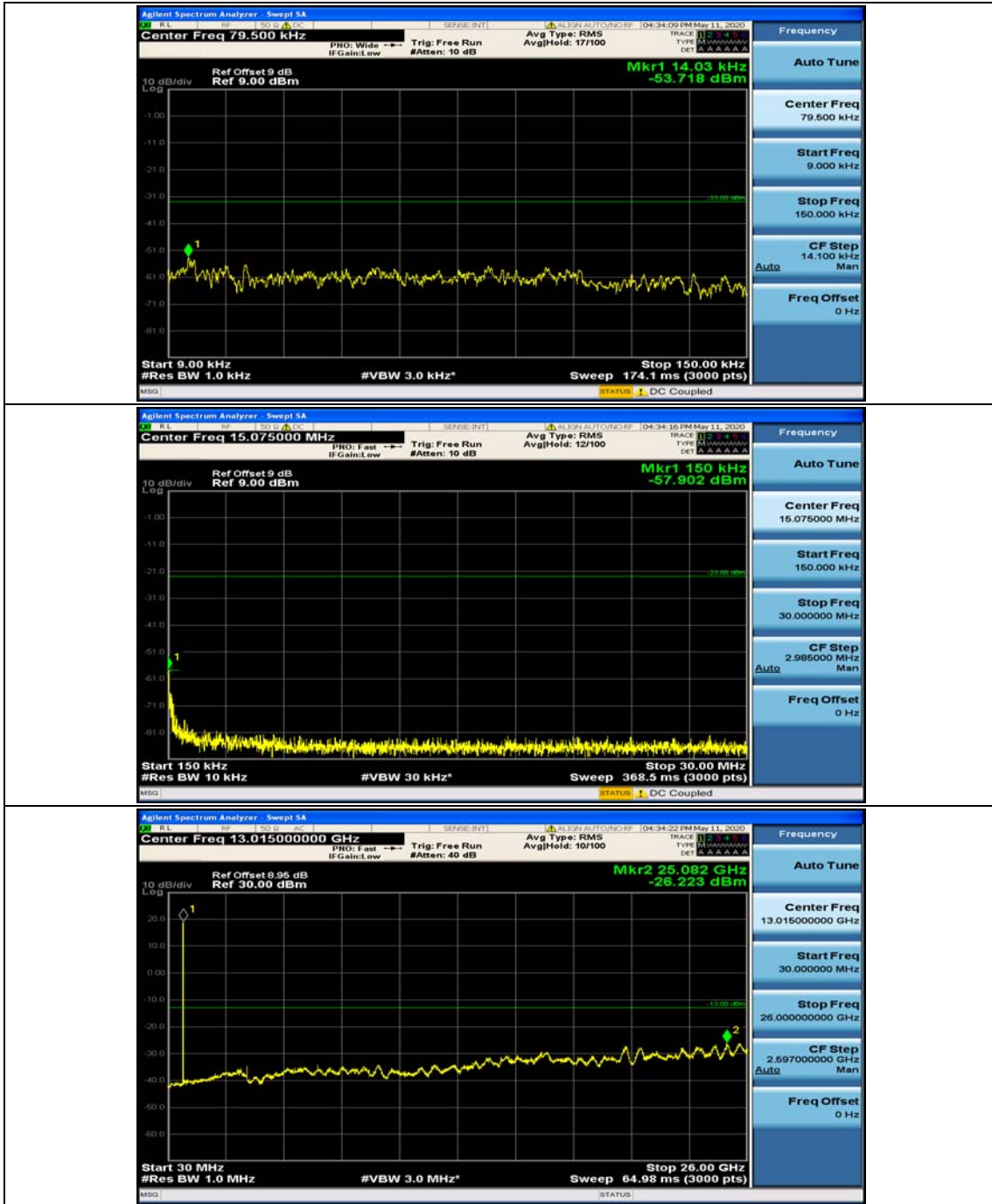
Channel Bandwidth: 10 MHz\_HCH\_16QAM\_1RB#0



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









## Appendix F: Frequency Stability

### Test Result

#### Channel Bandwidth: 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	-0.31	-0.000443	± 2.5	PASS
		VN	TN	-0.95	-0.001358	± 2.5	PASS
		VH	TN	-0.18	-0.000257	± 2.5	PASS
	MCH	VL	TN	1.17	0.001654	± 2.5	PASS
		VN	TN	0.89	0.001258	± 2.5	PASS
		VH	TN	0	0.000000	± 2.5	PASS
	HCH	VL	TN	0.08	0.000112	± 2.5	PASS
		VN	TN	-0.85	-0.001188	± 2.5	PASS
		VH	TN	-1.1	-0.001538	± 2.5	PASS
16QAM	LCH	VL	TN	-1.06	-0.001515	± 2.5	PASS
		VN	TN	2.41	0.003444	± 2.5	PASS
		VH	TN	0.02	0.000029	± 2.5	PASS
	MCH	VL	TN	-0.45	-0.000636	± 2.5	PASS
		VN	TN	4.48	0.006332	± 2.5	PASS
		VH	TN	0.33	0.000466	± 2.5	PASS
	HCH	VL	TN	0.13	0.000182	± 2.5	PASS
		VN	TN	-0.42	-0.000587	± 2.5	PASS
		VH	TN	-1.1	-0.001538	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.49	0.004988	± 2.5	PASS
		VN	-20	-1.03	-0.001472	± 2.5	PASS
		VN	-10	2.74	0.003916	± 2.5	PASS
		VN	0	0.1	0.000143	± 2.5	PASS
		VN	10	1.73	0.002472	± 2.5	PASS
		VN	20	2.82	0.004030	± 2.5	PASS
		VN	30	2.95	0.004216	± 2.5	PASS
		VN	40	1.12	0.001601	± 2.5	PASS
		VN	50	-0.31	-0.000443	± 2.5	PASS
	MCH	VN	-30	-0.06	-0.000085	± 2.5	PASS



	VN	-20	0.98	0.001385	± 2.5	PASS	
		VN	-10	2.52	0.003562	± 2.5	PASS
		VN	0	1.59	0.002247	± 2.5	PASS
		VN	10	-0.4	-0.000565	± 2.5	PASS
		VN	20	3.14	0.004438	± 2.5	PASS
		VN	30	2.53	0.003576	± 2.5	PASS
		VN	40	3.36	0.004749	± 2.5	PASS
		VN	50	2.05	0.002898	± 2.5	PASS
	HCH	VN	-30	3.95	0.005522	± 2.5	PASS
		VN	-20	1.6	0.002237	± 2.5	PASS
		VN	-10	4.25	0.005942	± 2.5	PASS
		VN	0	1.51	0.002111	± 2.5	PASS
		VN	10	3.87	0.005410	± 2.5	PASS
		VN	20	4.62	0.006459	± 2.5	PASS
		VN	30	1.36	0.001901	± 2.5	PASS
		VN	40	-0.99	-0.001384	± 2.5	PASS
		VN	50	0.02	0.000028	± 2.5	PASS
		16QAM	LCH	VN	-30	0.82	0.001172
VN	-20			2.61	0.003730	± 2.5	PASS
VN	-10			2.35	0.003359	± 2.5	PASS
VN	0			1.87	0.002673	± 2.5	PASS
VN	10			0.01	0.000014	± 2.5	PASS
VN	20			3.66	0.005231	± 2.5	PASS
VN	30			2.88	0.004116	± 2.5	PASS
VN	40			-1.15	-0.001644	± 2.5	PASS
VN	50			3.97	0.005674	± 2.5	PASS
MCH	VN		-30	-1.46	-0.002064	± 2.5	PASS
	VN		-20	4.35	0.006148	± 2.5	PASS
	VN		-10	3.05	0.004311	± 2.5	PASS
	VN		0	4.16	0.005880	± 2.5	PASS
	VN		10	4.85	0.006855	± 2.5	PASS
	VN		20	4.88	0.006898	± 2.5	PASS
	VN		30	-0.41	-0.000580	± 2.5	PASS
	VN		40	2.78	0.003929	± 2.5	PASS
	VN		50	-1.93	-0.002728	± 2.5	PASS
HCH	VN		-30	2.46	0.003439	± 2.5	PASS
	VN		-20	1.25	0.001748	± 2.5	PASS
	VN		-10	3.87	0.005410	± 2.5	PASS
	VN		0	-1.92	-0.002684	± 2.5	PASS
	VN		10	0.99	0.001384	± 2.5	PASS
	VN		20	2.98	0.004166	± 2.5	PASS



		VN	30	4.91	0.006864	± 2.5	PASS
		VN	40	4.81	0.006724	± 2.5	PASS
		VN	50	0.85	0.001188	± 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	-0.41	-0.000585	± 2.5	PASS
		VN	TN	-1.19	-0.001699	± 2.5	PASS
		VH	TN	-1.16	-0.001656	± 2.5	PASS
	MCH	VL	TN	1.53	0.002163	± 2.5	PASS
		VN	TN	0.01	0.000014	± 2.5	PASS
		VH	TN	1.51	0.002134	± 2.5	PASS
	HCH	VL	TN	-1.7	-0.002379	± 2.5	PASS
		VN	TN	3.97	0.005556	± 2.5	PASS
		VH	TN	0.59	0.000826	± 2.5	PASS
16QAM	LCH	VL	TN	4.28	0.006110	± 2.5	PASS
		VN	TN	4.57	0.006524	± 2.5	PASS
		VH	TN	4.94	0.007052	± 2.5	PASS
	MCH	VL	TN	-1.16	-0.001640	± 2.5	PASS
		VN	TN	-0.06	-0.000085	± 2.5	PASS
		VH	TN	4.37	0.006177	± 2.5	PASS
	HCH	VL	TN	1.69	0.002365	± 2.5	PASS
		VN	TN	3.91	0.005472	± 2.5	PASS
		VH	TN	-1.46	-0.002043	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.63	-0.000899	± 2.5	PASS
		VN	-20	0.01	0.000014	± 2.5	PASS
		VN	-10	3.48	0.004968	± 2.5	PASS
		VN	0	-1.58	-0.002256	± 2.5	PASS
		VN	10	4.4	0.006281	± 2.5	PASS
		VN	20	-1.91	-0.002727	± 2.5	PASS
		VN	30	-0.06	-0.000086	± 2.5	PASS
		VN	40	-0.43	-0.000614	± 2.5	PASS
		VN	50	0.99	0.001413	± 2.5	PASS
	MCH	VN	-30	4.21	0.005951	± 2.5	PASS
		VN	-20	4.19	0.005922	± 2.5	PASS





		VN	-10	0.3	0.000424	± 2.5	PASS	
		VN	0	-1.08	-0.001527	± 2.5	PASS	
		VN	10	3.28	0.004636	± 2.5	PASS	
		VN	20	-0.29	-0.000410	± 2.5	PASS	
		VN	30	0.35	0.000495	± 2.5	PASS	
		VN	40	-0.28	-0.000396	± 2.5	PASS	
		VN	50	4.16	0.005880	± 2.5	PASS	
	HCH	VN	-30	3.93	0.005500	± 2.5	PASS	
		VN	-20	3.28	0.004591	± 2.5	PASS	
		VN	-10	0.07	0.000098	± 2.5	PASS	
		VN	0	0.32	0.000448	± 2.5	PASS	
		VN	10	-0.44	-0.000616	± 2.5	PASS	
		VN	20	-1.74	-0.002435	± 2.5	PASS	
		VN	30	0.34	0.000476	± 2.5	PASS	
	16QAM	LCH	VN	-30	2.48	0.003540	± 2.5	PASS
			VN	-20	2.16	0.003084	± 2.5	PASS
			VN	-10	4.94	0.007052	± 2.5	PASS
			VN	0	-1.2	-0.001713	± 2.5	PASS
VN			10	-1.67	-0.002384	± 2.5	PASS	
VN			20	-0.34	-0.000485	± 2.5	PASS	
VN			30	2.41	0.003440	± 2.5	PASS	
VN			40	2.46	0.003512	± 2.5	PASS	
VN			50	2.32	0.003312	± 2.5	PASS	
MCH		VN	-30	-0.7	-0.000989	± 2.5	PASS	
		VN	-20	-0.56	-0.000792	± 2.5	PASS	
		VN	-10	-0.35	-0.000495	± 2.5	PASS	
		VN	0	4.83	0.006827	± 2.5	PASS	
		VN	10	-0.66	-0.000933	± 2.5	PASS	
		VN	20	-1.31	-0.001852	± 2.5	PASS	
		VN	30	-1.27	-0.001795	± 2.5	PASS	
		VN	40	3.03	0.004283	± 2.5	PASS	
		VN	50	-1.08	-0.001527	± 2.5	PASS	
HCH	VN	-30	1.86	0.002603	± 2.5	PASS		
	VN	-20	1.65	0.002309	± 2.5	PASS		
	VN	-10	2.95	0.004129	± 2.5	PASS		
	VN	0	4.13	0.005780	± 2.5	PASS		
	VN	10	3.46	0.004843	± 2.5	PASS		
	VN	20	3.52	0.004927	± 2.5	PASS		
	VN	30	3.03	0.004241	± 2.5	PASS		



		VN	40	2.93	0.004101	± 2.5	PASS
		VN	50	0.84	0.001176	± 2.5	PASS

**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	0.18	0.000257	± 2.5	PASS
		VN	TN	1.9	0.002708	± 2.5	PASS
		VH	TN	-0.57	-0.000813	± 2.5	PASS
	MCH	VL	TN	3.87	0.005470	± 2.5	PASS
		VN	TN	3.42	0.004834	± 2.5	PASS
		VH	TN	1.19	0.001682	± 2.5	PASS
	HCH	VL	TN	4.81	0.006741	± 2.5	PASS
		VN	TN	-1.05	-0.001472	± 2.5	PASS
		VH	TN	4.88	0.006840	± 2.5	PASS
16QAM	LCH	VL	TN	-0.48	-0.000684	± 2.5	PASS
		VN	TN	3.52	0.005018	± 2.5	PASS
		VH	TN	2.4	0.003421	± 2.5	PASS
	MCH	VL	TN	3.85	0.005442	± 2.5	PASS
		VN	TN	3.57	0.005046	± 2.5	PASS
		VH	TN	-1.26	-0.001781	± 2.5	PASS
	HCH	VL	TN	2.97	0.004163	± 2.5	PASS
		VN	TN	0.74	0.001037	± 2.5	PASS
		VH	TN	-0.97	-0.001359	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.89	0.004120	± 2.5	PASS
		VN	-20	2.01	0.002865	± 2.5	PASS
		VN	-10	-1.44	-0.002053	± 2.5	PASS
		VN	0	-1.69	-0.002409	± 2.5	PASS
		VN	10	-0.58	-0.000827	± 2.5	PASS
		VN	20	2.59	0.003692	± 2.5	PASS
		VN	30	0.04	0.000057	± 2.5	PASS
		VN	40	4.74	0.006757	± 2.5	PASS
		VN	50	4.03	0.005745	± 2.5	PASS
	MCH	VN	-30	2.18	0.003081	± 2.5	PASS
		VN	-20	-1.54	-0.002177	± 2.5	PASS
		VN	-10	-0.35	-0.000495	± 2.5	PASS



		VN	0	0.87	0.001230	± 2.5	PASS		
		VN	10	-0.17	-0.000240	± 2.5	PASS		
		VN	20	3.94	0.005569	± 2.5	PASS		
		VN	30	-0.03	-0.000042	± 2.5	PASS		
		VN	40	1.82	0.002572	± 2.5	PASS		
		VN	50	0.35	0.000495	± 2.5	PASS		
	HCH	VN	-30	-1.19	-0.001668	± 2.5	PASS		
		VN	-20	0.58	0.000813	± 2.5	PASS		
		VN	-10	-1.62	-0.002270	± 2.5	PASS		
		VN	0	-1.84	-0.002579	± 2.5	PASS		
		VN	10	4.24	0.005943	± 2.5	PASS		
		VN	20	0.61	0.000855	± 2.5	PASS		
		VN	30	2.68	0.003756	± 2.5	PASS		
		VN	40	2.86	0.004008	± 2.5	PASS		
		VN	50	4.12	0.005774	± 2.5	PASS		
		16QAM	LCH	VN	-30	0.15	0.000214	± 2.5	PASS
				VN	-20	-1.69	-0.002409	± 2.5	PASS
				VN	-10	-1.88	-0.002680	± 2.5	PASS
VN	0			1.91	0.002723	± 2.5	PASS		
VN	10			4.56	0.006500	± 2.5	PASS		
VN	20			3.83	0.005460	± 2.5	PASS		
VN	30			2.57	0.003664	± 2.5	PASS		
VN	40			-1.99	-0.002837	± 2.5	PASS		
VN	50			3.78	0.005388	± 2.5	PASS		
MCH	VN		-30	2.92	0.004127	± 2.5	PASS		
	VN		-20	2.54	0.003590	± 2.5	PASS		
	VN		-10	3.23	0.004565	± 2.5	PASS		
	VN		0	1.62	0.002290	± 2.5	PASS		
	VN		10	-1.79	-0.002530	± 2.5	PASS		
	VN		20	4.95	0.006996	± 2.5	PASS		
	VN		30	-0.85	-0.001201	± 2.5	PASS		
	VN		40	-0.12	-0.000170	± 2.5	PASS		
	VN		50	-1.01	-0.001428	± 2.5	PASS		
HCH	VN		-30	-0.28	-0.000392	± 2.5	PASS		
	VN		-20	2.74	0.003840	± 2.5	PASS		
	VN		-10	1.58	0.002214	± 2.5	PASS		
	VN		0	1.33	0.001864	± 2.5	PASS		
	VN		10	1.57	0.002200	± 2.5	PASS		
	VN		20	-0.94	-0.001317	± 2.5	PASS		
	VN		30	4.49	0.006293	± 2.5	PASS		
	VN		40	2.48	0.003476	± 2.5	PASS		



		VN	50	0.44	0.000617	± 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	1.39	0.001974	± 2.5	PASS
		VN	TN	-0.9	-0.001278	± 2.5	PASS
		VH	TN	1.38	0.001960	± 2.5	PASS
	MCH	VL	TN	-1.58	-0.002233	± 2.5	PASS
		VN	TN	-0.57	-0.000806	± 2.5	PASS
		VH	TN	4.44	0.006276	± 2.5	PASS
	HCH	VL	TN	0.12	0.000169	± 2.5	PASS
		VN	TN	-0.53	-0.000745	± 2.5	PASS
		VH	TN	0.85	0.001195	± 2.5	PASS
16QAM	LCH	VL	TN	2.13	0.003026	± 2.5	PASS
		VN	TN	-0.06	-0.000085	± 2.5	PASS
		VH	TN	2	0.002841	± 2.5	PASS
	MCH	VL	TN	-0.18	-0.000254	± 2.5	PASS
		VN	TN	3.67	0.005187	± 2.5	PASS
		VH	TN	4.03	0.005696	± 2.5	PASS
	HCH	VL	TN	5	0.007032	± 2.5	PASS
		VN	TN	3.51	0.004937	± 2.5	PASS
		VH	TN	2.87	0.004037	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.46	0.006335	± 2.5	PASS
		VN	-20	-0.24	-0.000341	± 2.5	PASS
		VN	-10	-0.49	-0.000696	± 2.5	PASS
		VN	0	-1.97	-0.002798	± 2.5	PASS
		VN	10	2.55	0.003622	± 2.5	PASS
		VN	20	3.36	0.004773	± 2.5	PASS
		VN	30	2.03	0.002884	± 2.5	PASS
		VN	40	4.78	0.006790	± 2.5	PASS
		VN	50	-1.55	-0.002202	± 2.5	PASS
	MCH	VN	-30	1.25	0.001767	± 2.5	PASS
		VN	-20	0.82	0.001159	± 2.5	PASS
		VN	-10	0.7	0.000989	± 2.5	PASS
		VN	0	0.79	0.001117	± 2.5	PASS



		VN	10	-1.43	-0.002021	± 2.5	PASS
		VN	20	4.75	0.006714	± 2.5	PASS
		VN	30	-0.28	-0.000396	± 2.5	PASS
		VN	40	-1.13	-0.001597	± 2.5	PASS
		VN	50	-1.66	-0.002346	± 2.5	PASS
	HCH	VN	-30	0.35	0.000492	± 2.5	PASS
		VN	-20	0.4	0.000563	± 2.5	PASS
		VN	-10	1.76	0.002475	± 2.5	PASS
		VN	0	-0.31	-0.000436	± 2.5	PASS
		VN	10	-0.29	-0.000408	± 2.5	PASS
		VN	20	0.37	0.000520	± 2.5	PASS
		VN	30	-1.46	-0.002053	± 2.5	PASS
		VN	40	2.53	0.003558	± 2.5	PASS
		VN	50	-1.56	-0.002194	± 2.5	PASS
		16QAM	LCH	VN	-30	1.99	0.002827
VN	-20			1.46	0.002074	± 2.5	PASS
VN	-10			-1.86	-0.002642	± 2.5	PASS
VN	0			0.65	0.000923	± 2.5	PASS
VN	10			-0.5	-0.000710	± 2.5	PASS
VN	20			4.42	0.006278	± 2.5	PASS
VN	30			3.84	0.005455	± 2.5	PASS
VN	40			1.06	0.001506	± 2.5	PASS
VN	50			2.56	0.003636	± 2.5	PASS
MCH	VN		-30	-1.6	-0.002261	± 2.5	PASS
	VN		-20	-0.95	-0.001343	± 2.5	PASS
	VN		-10	-0.77	-0.001088	± 2.5	PASS
	VN		0	-1.24	-0.001753	± 2.5	PASS
	VN		10	1.05	0.001484	± 2.5	PASS
	VN		20	-0.3	-0.000424	± 2.5	PASS
	VN		30	-0.27	-0.000382	± 2.5	PASS
	VN		40	2.7	0.003816	± 2.5	PASS
	VN		50	2.06	0.002912	± 2.5	PASS
HCH	VN		-30	1.11	0.001561	± 2.5	PASS
	VN		-20	-0.13	-0.000183	± 2.5	PASS
	VN		-10	-0.2	-0.000281	± 2.5	PASS
	VN		0	0.09	0.000127	± 2.5	PASS
	VN		10	-0.81	-0.001139	± 2.5	PASS
	VN		20	4.47	0.006287	± 2.5	PASS
	VN		30	-0.89	-0.001252	± 2.5	PASS
	VN		40	-0.1	-0.000141	± 2.5	PASS
	VN		50	-0.75	-0.001055	± 2.5	PASS