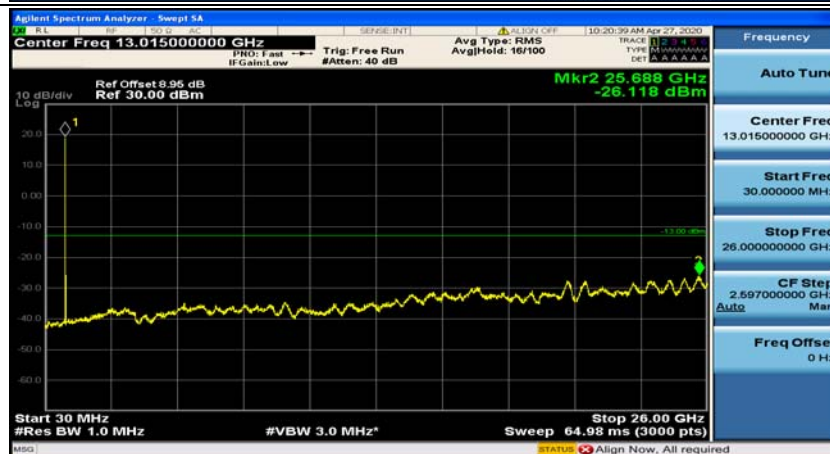
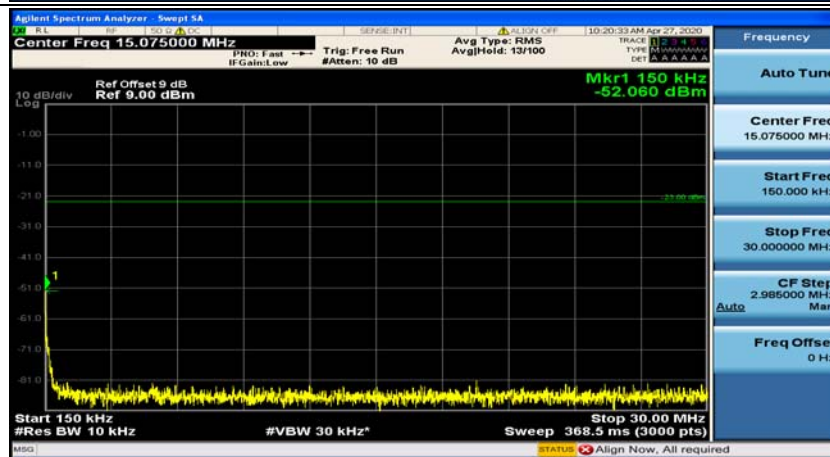
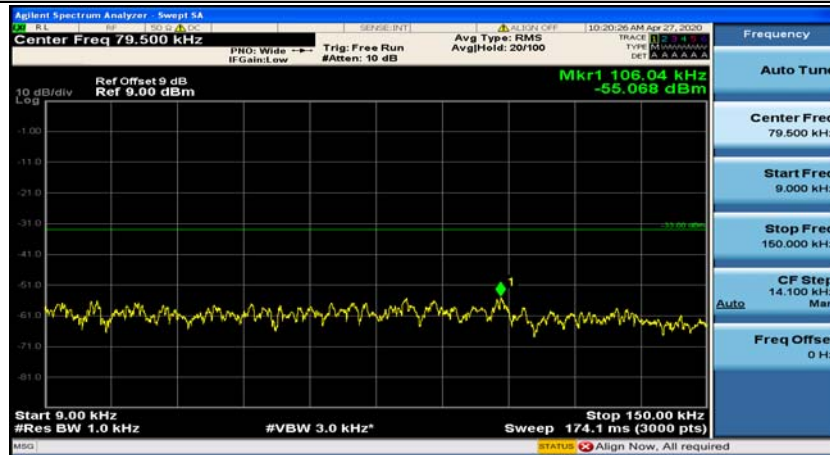
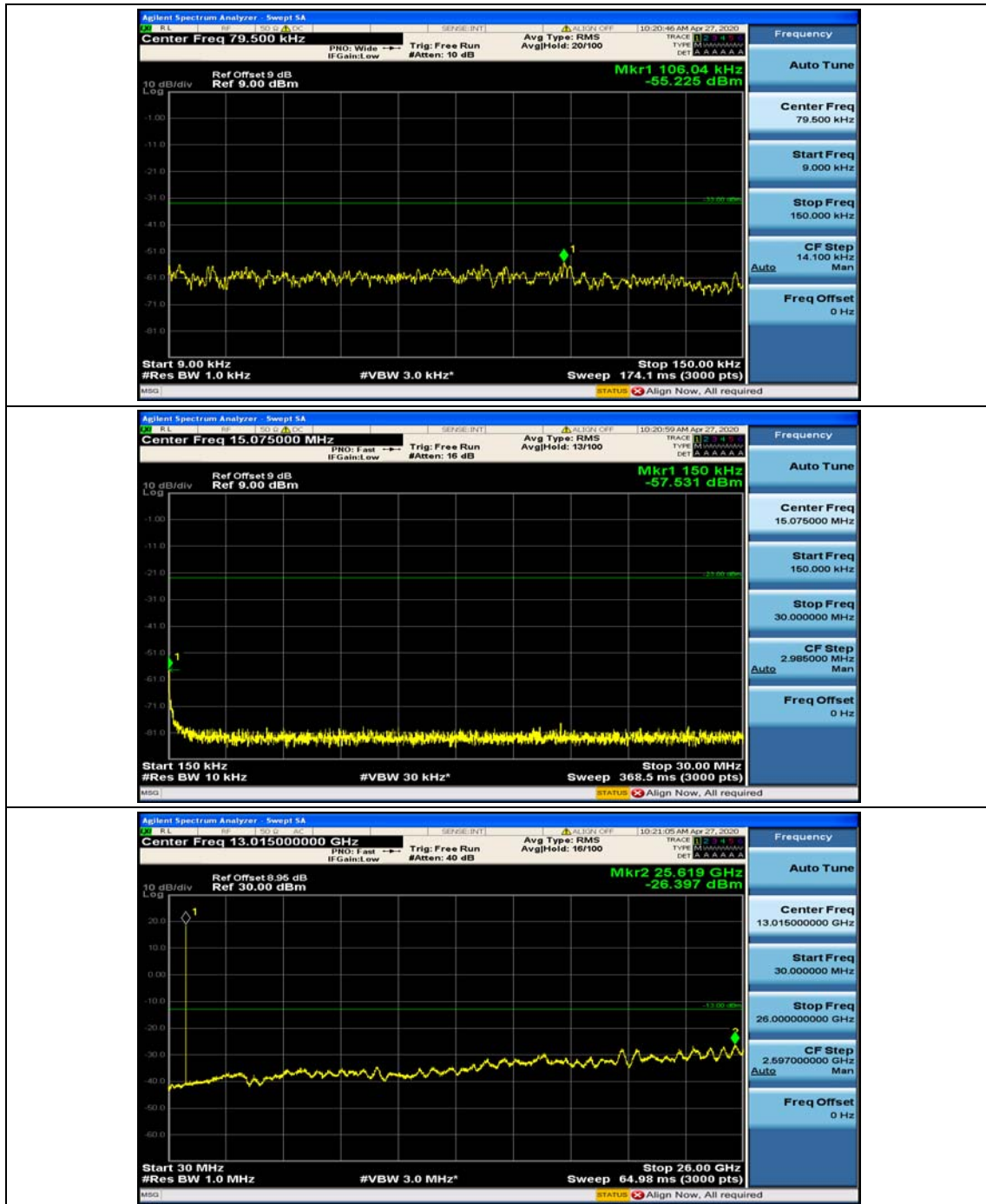




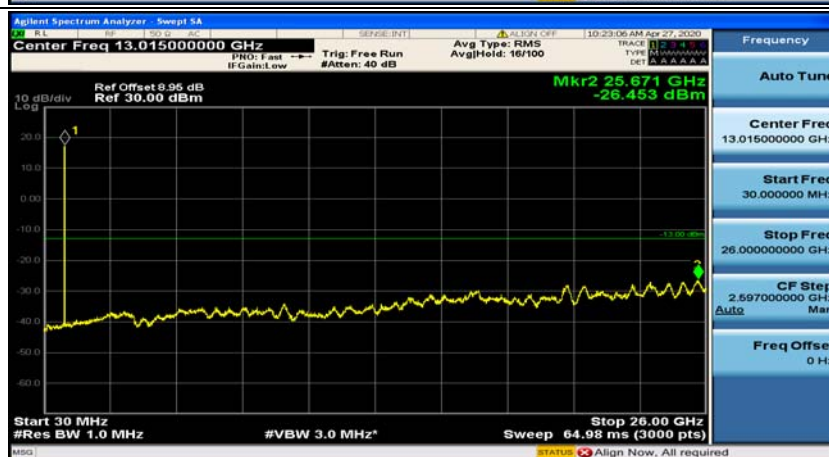
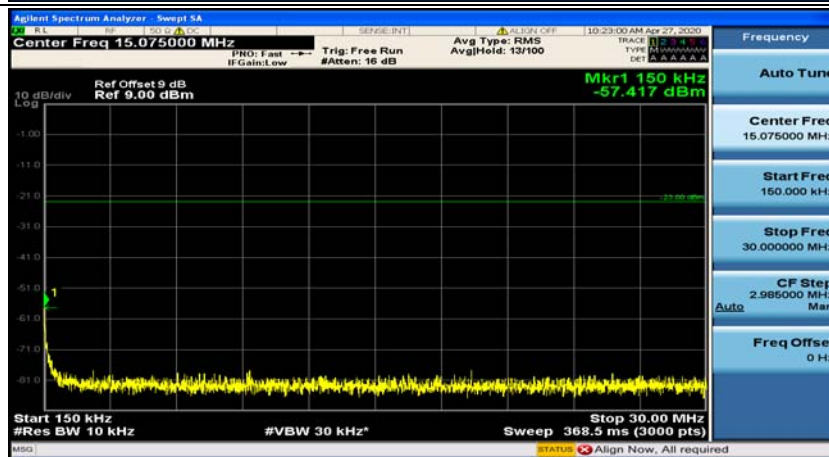
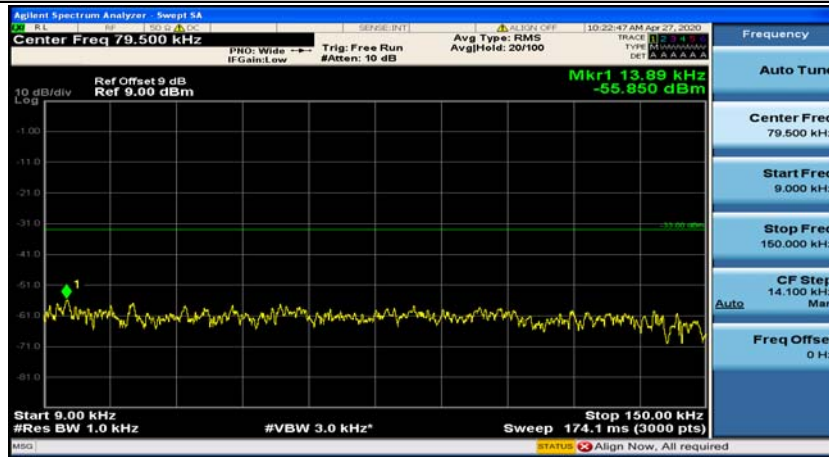
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0



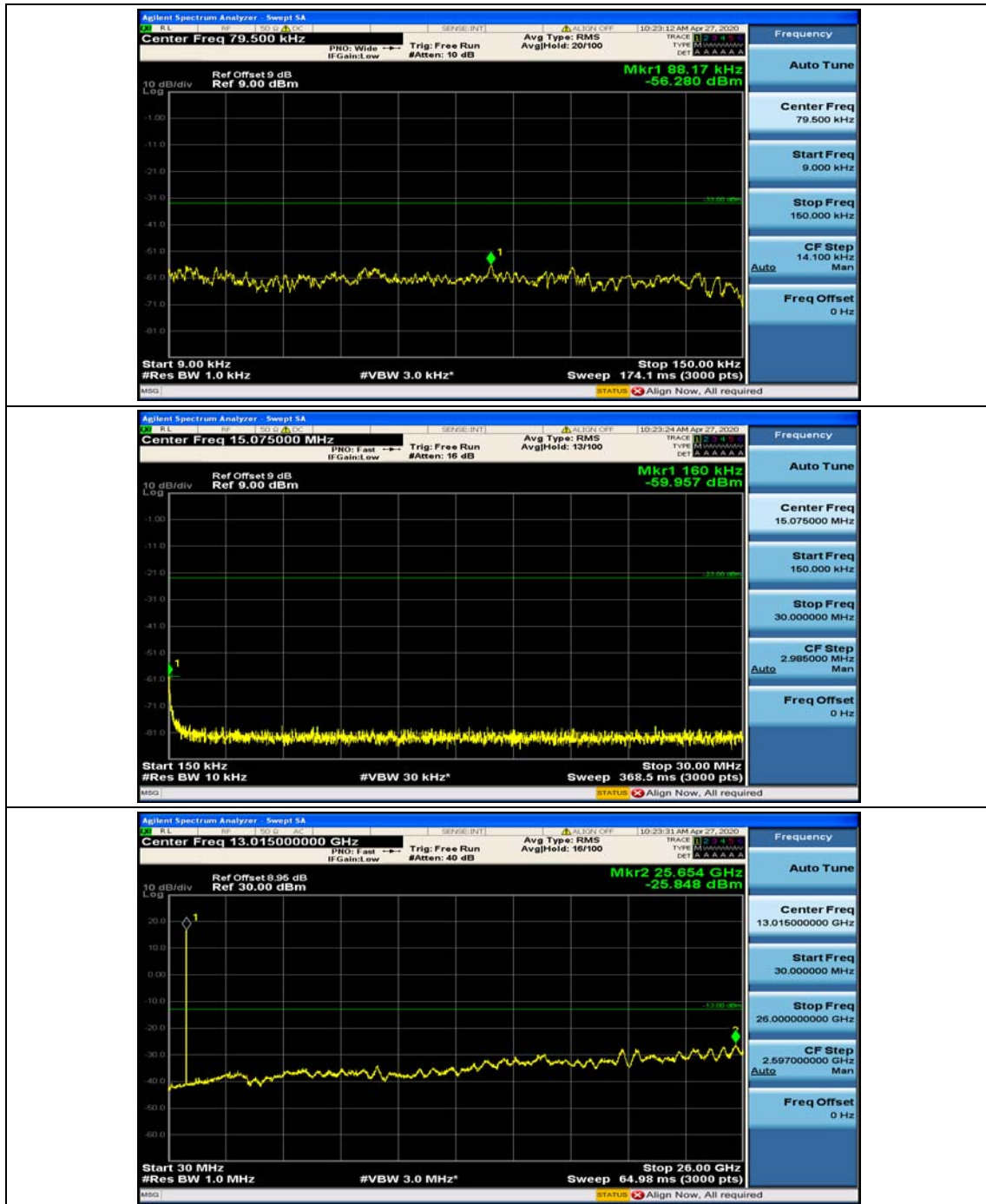
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7



(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0

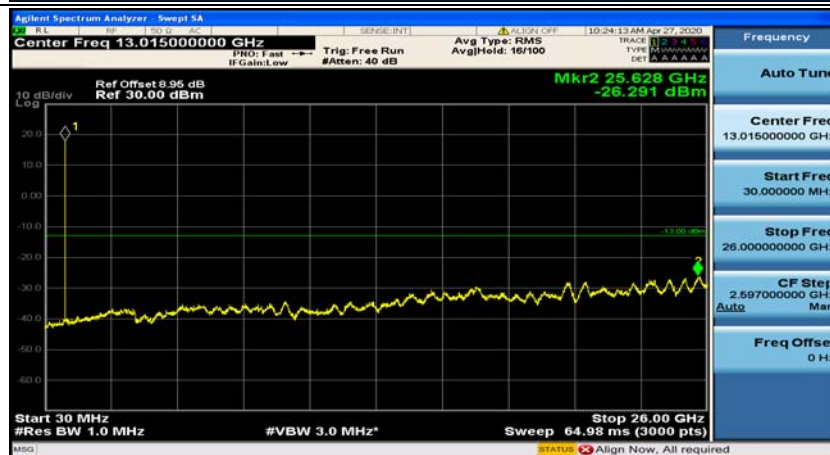
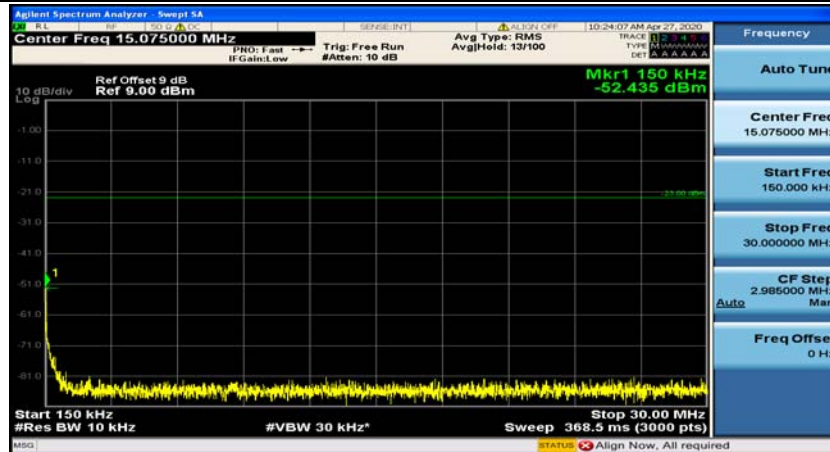
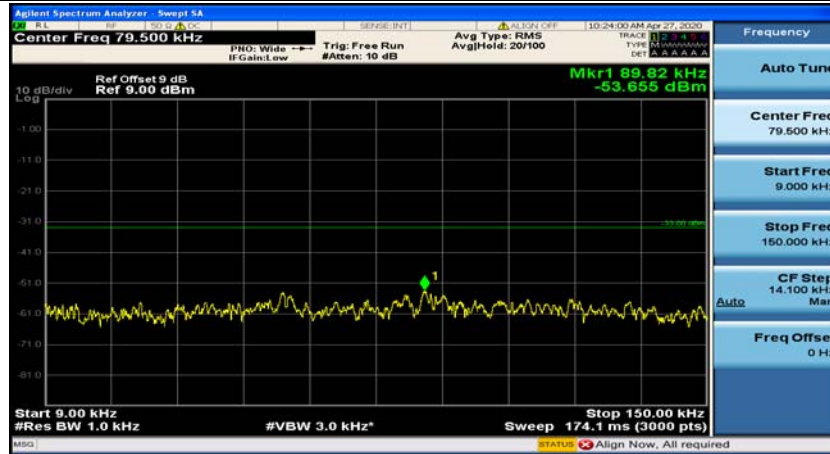


(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7

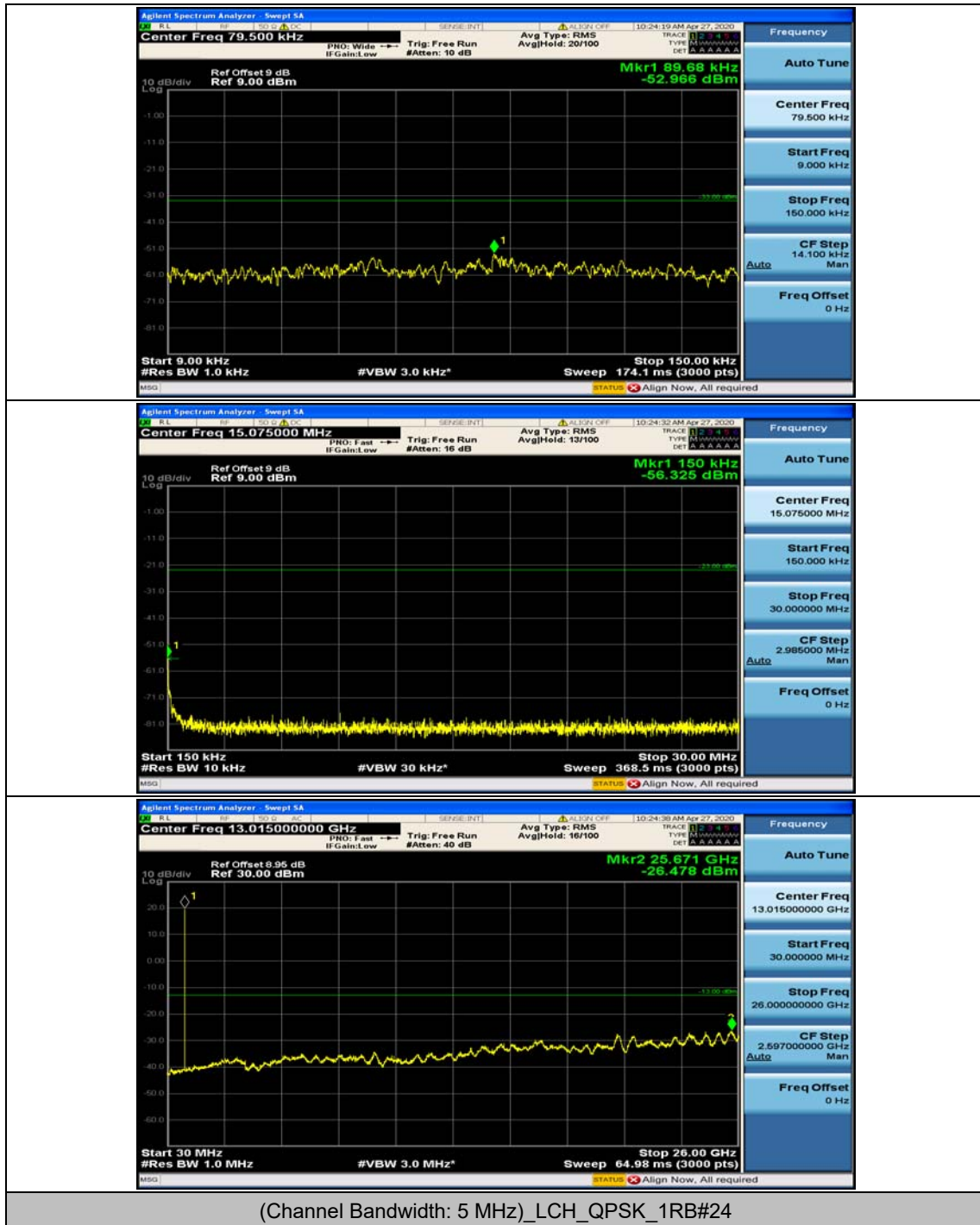


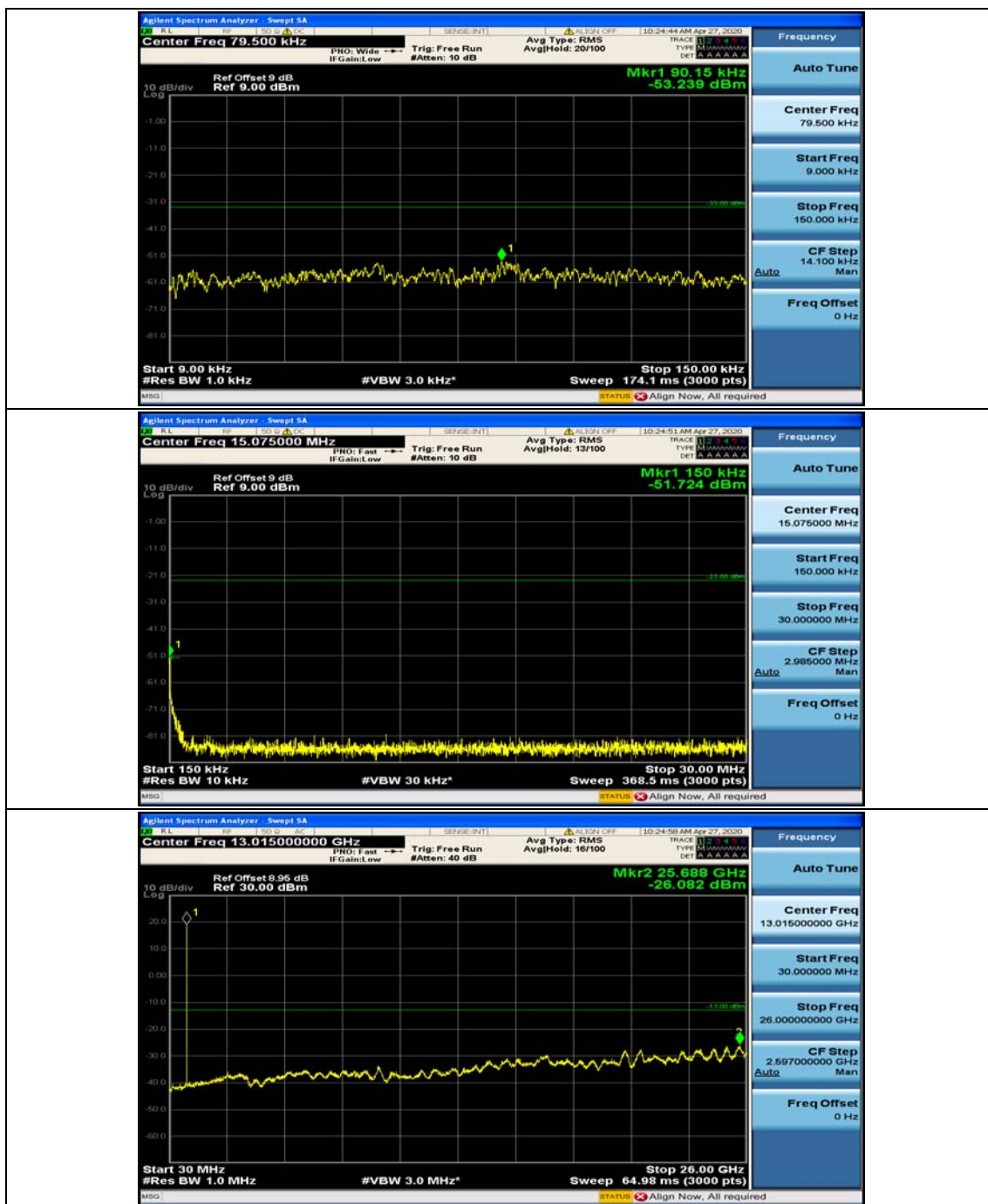
Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

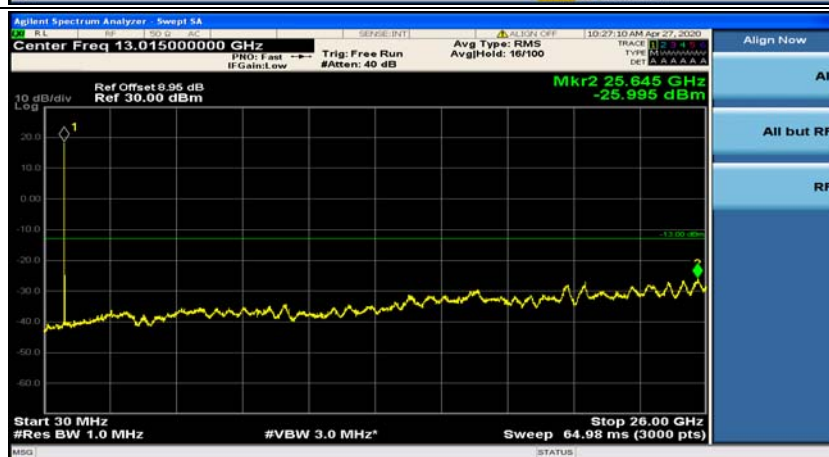
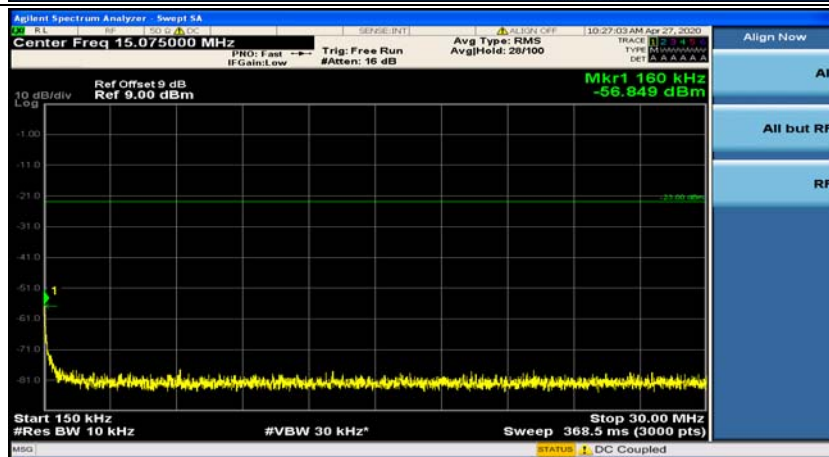
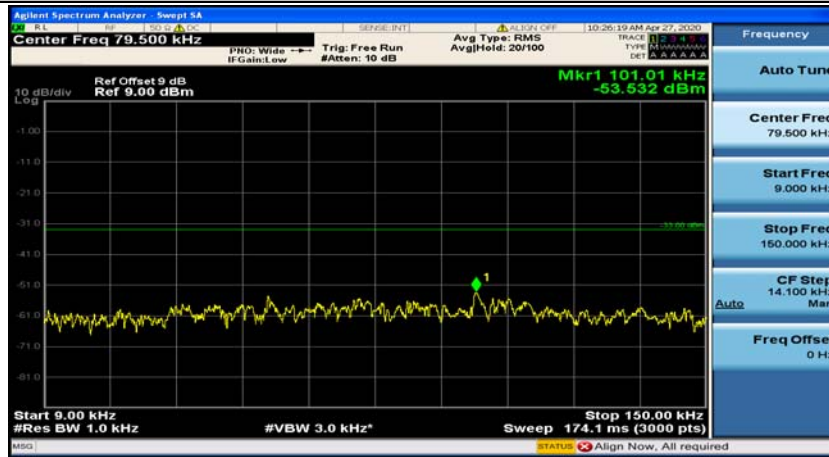


(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12

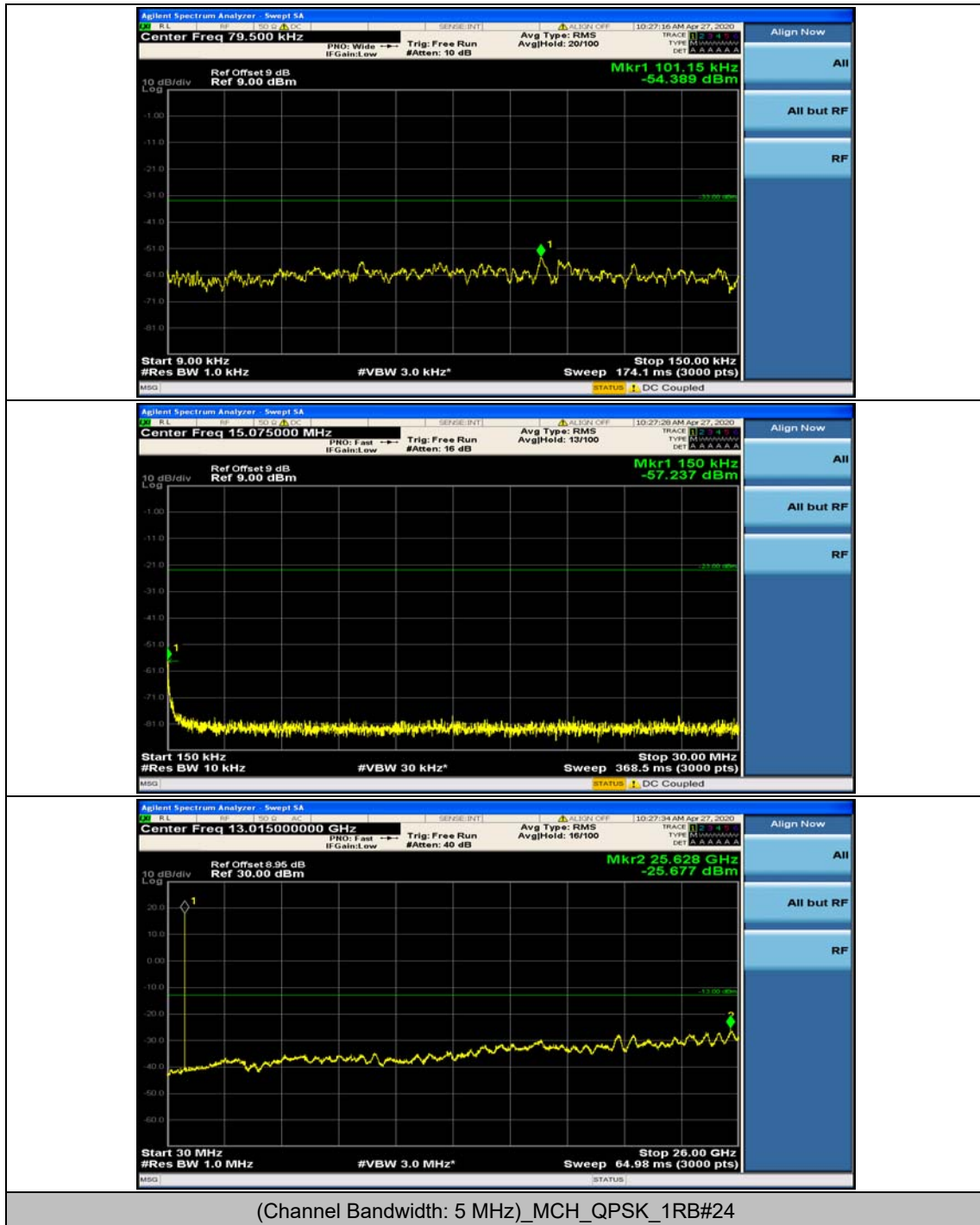


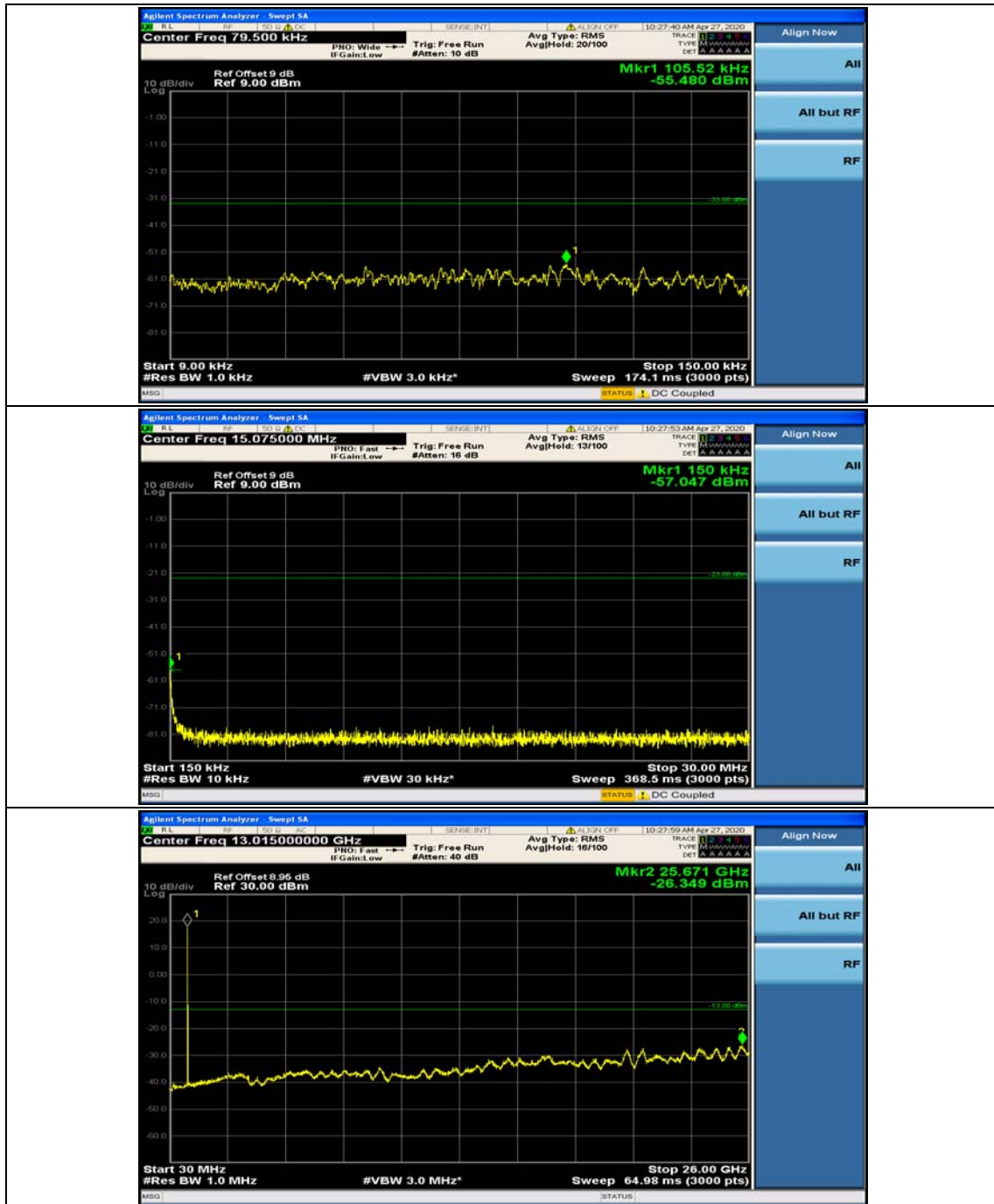


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

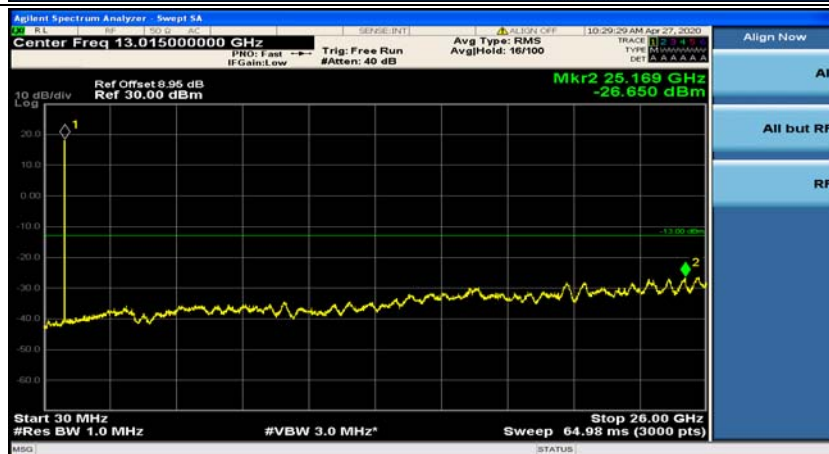
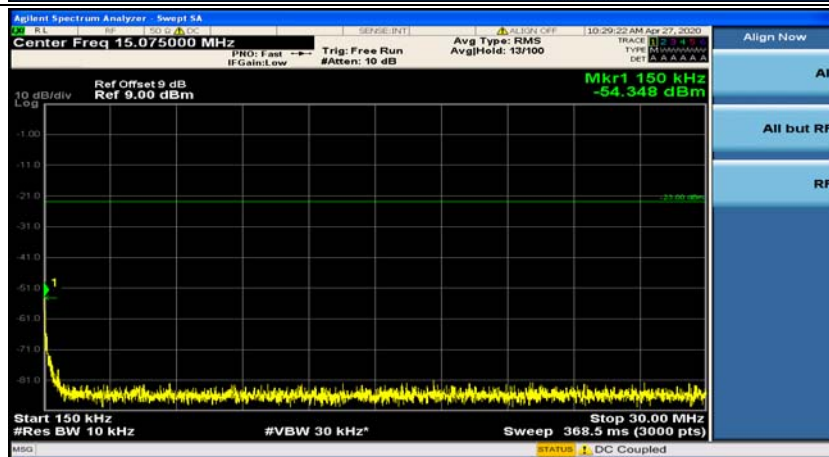
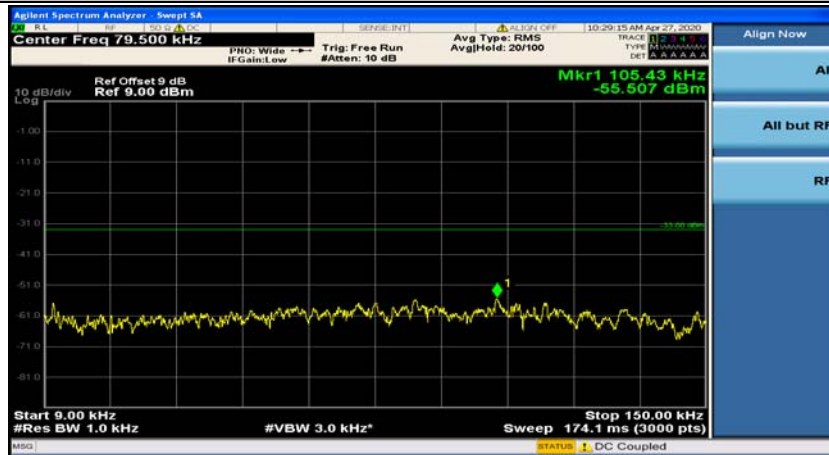


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

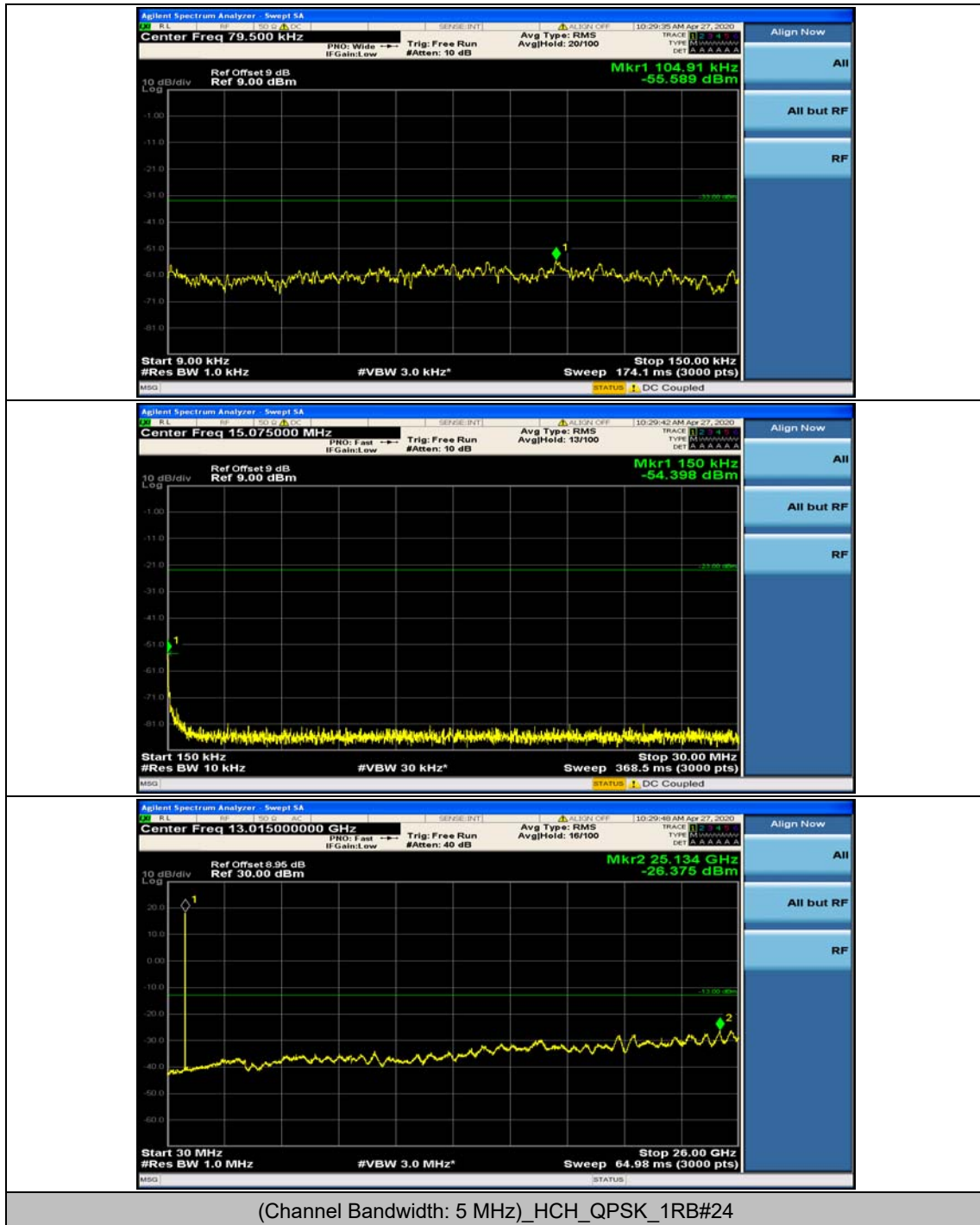


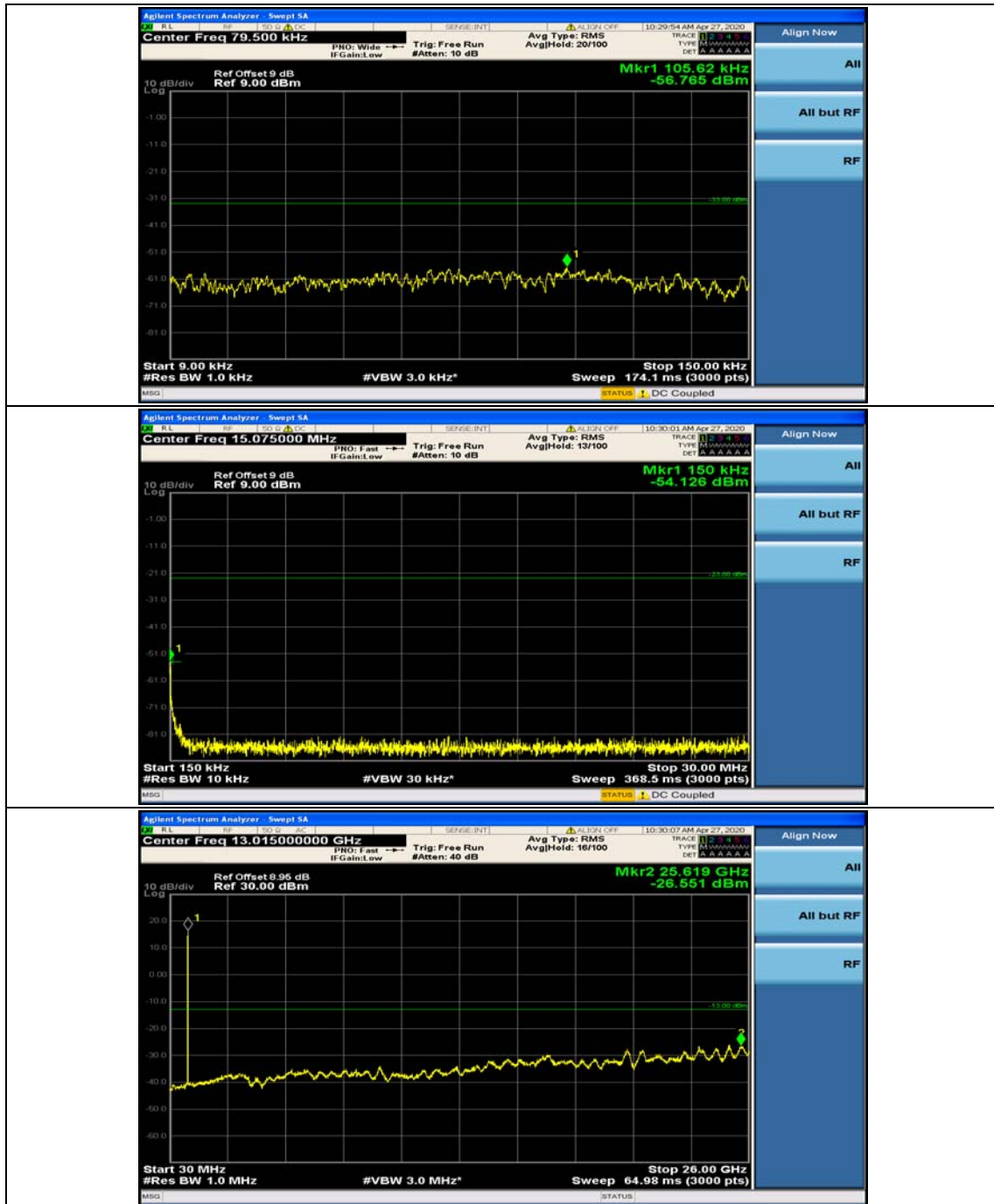


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

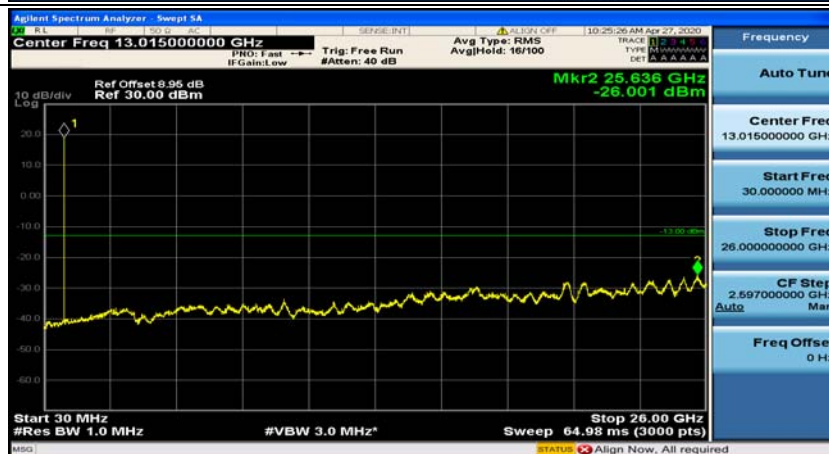
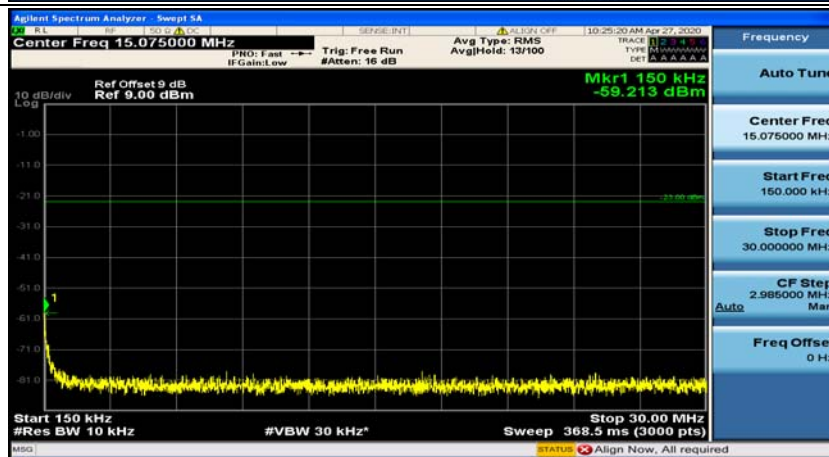
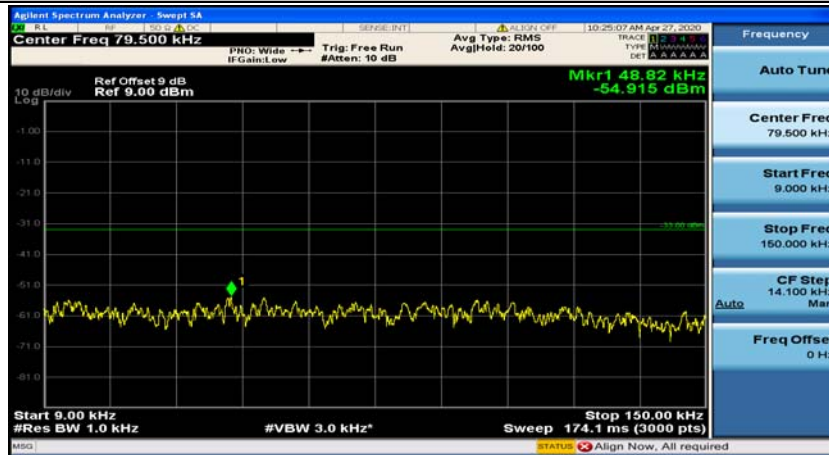


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

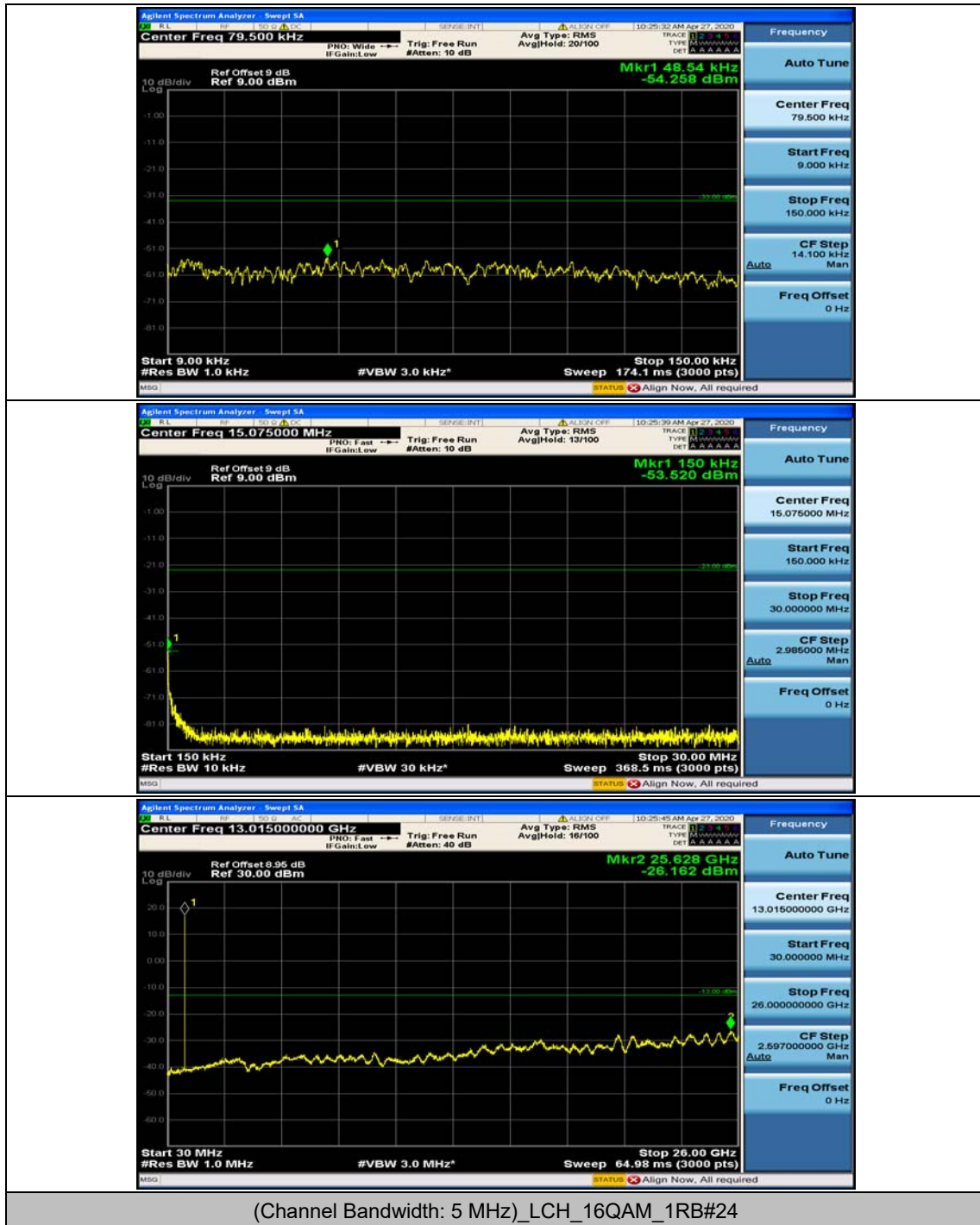


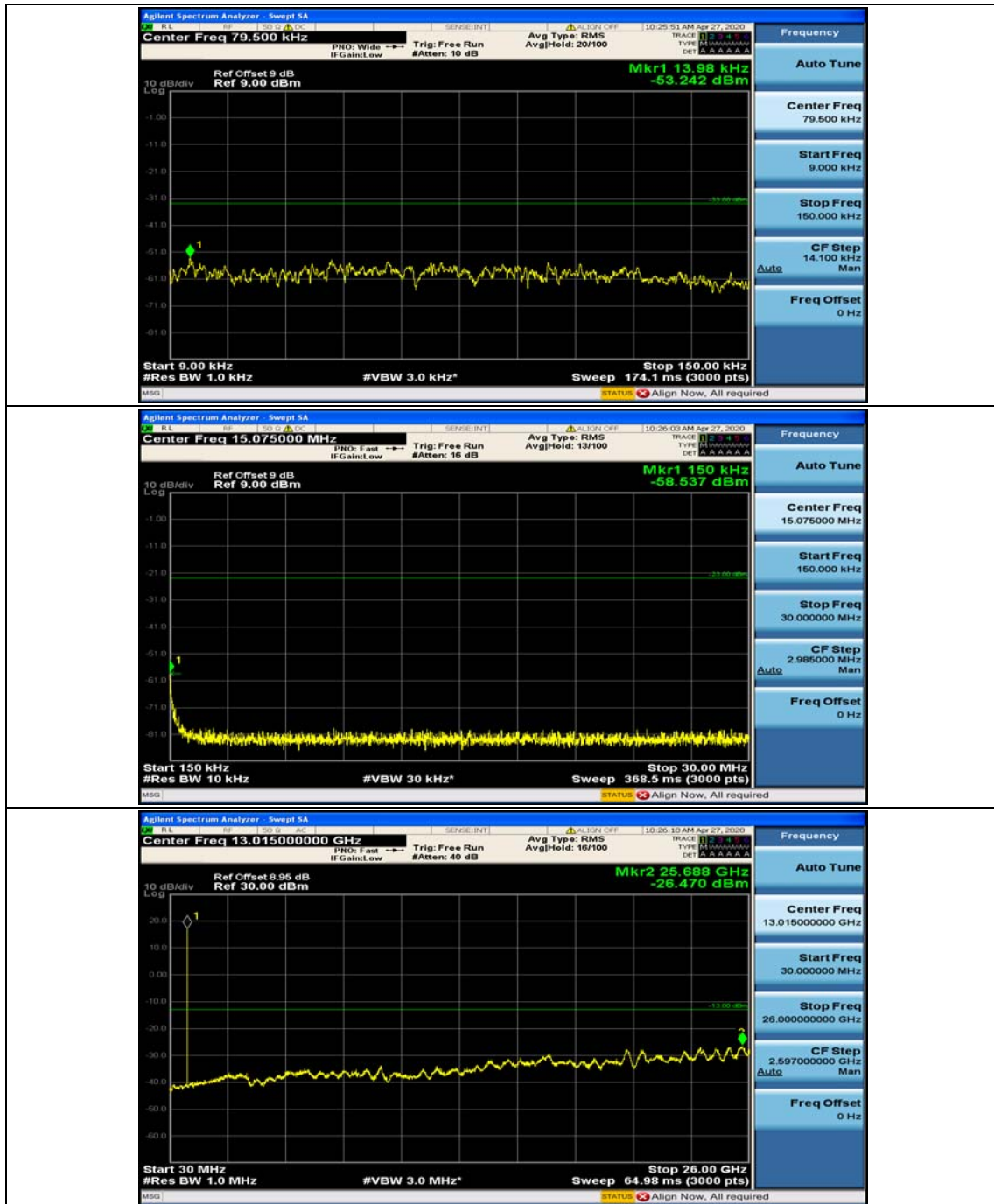


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

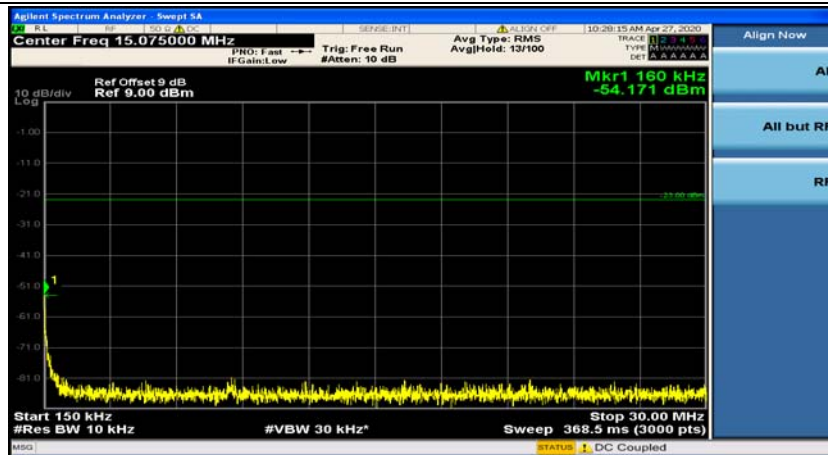
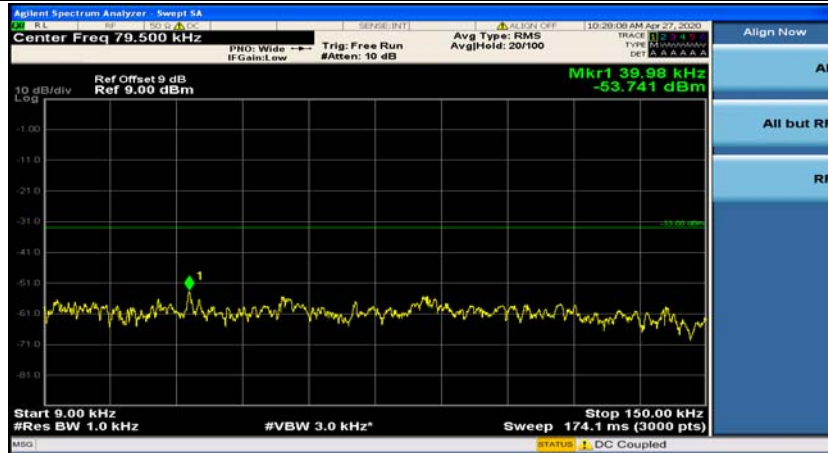


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

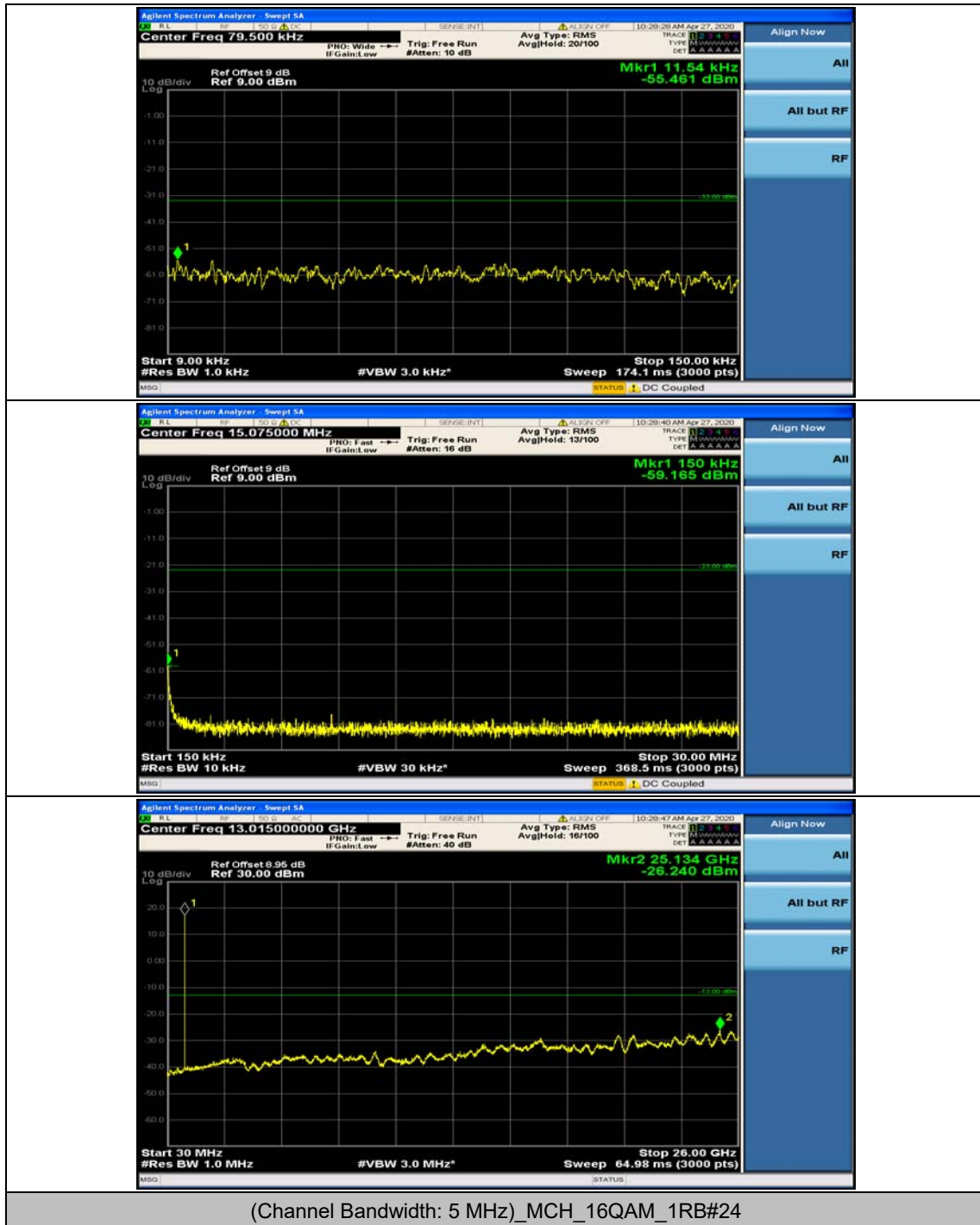


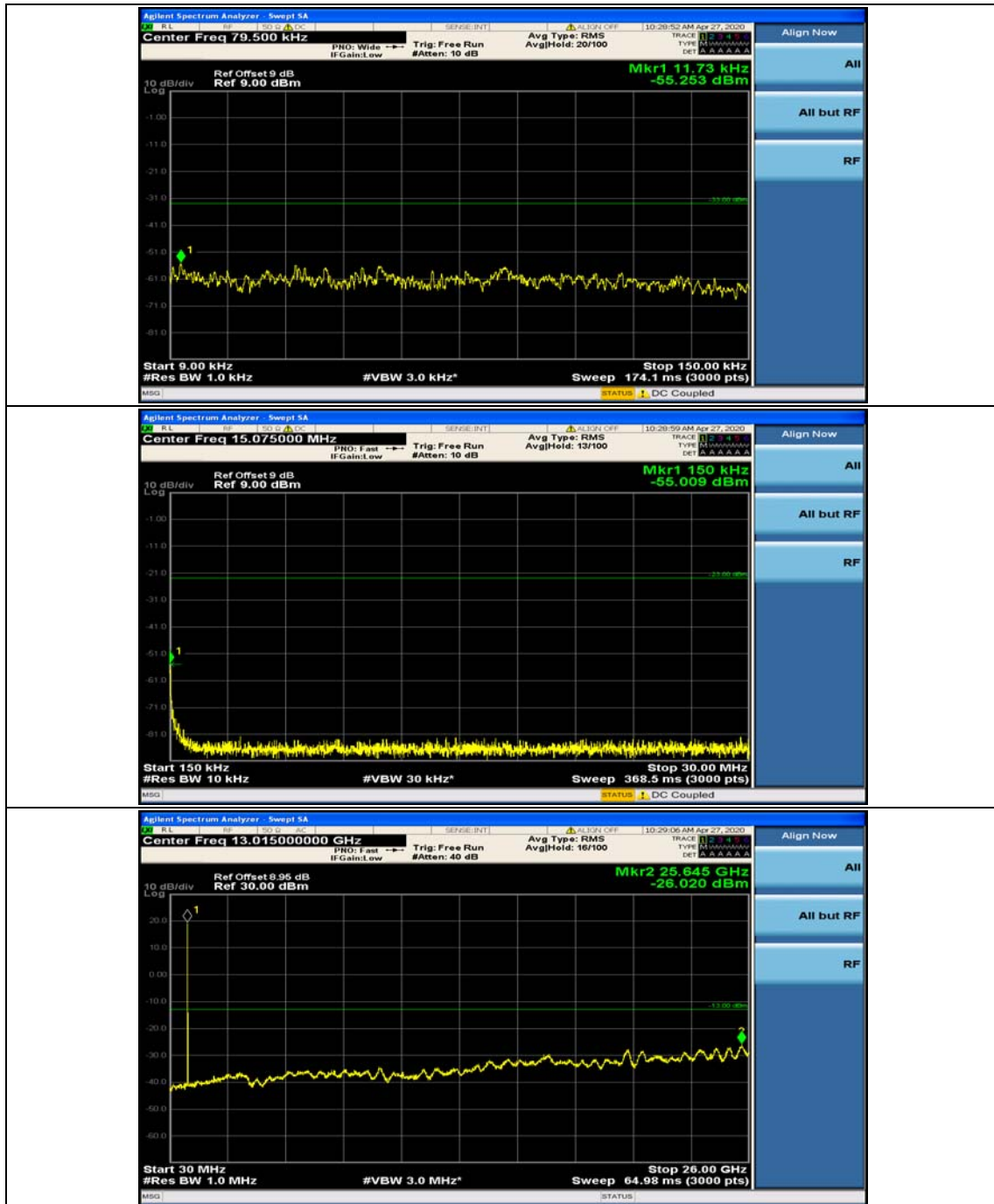


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

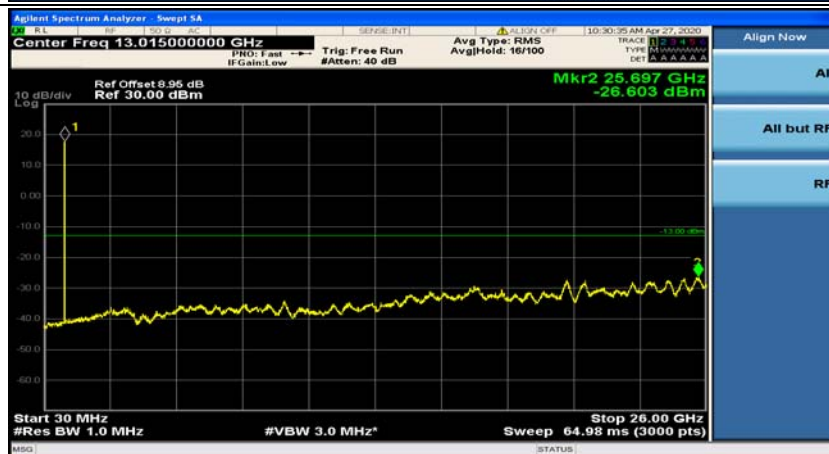
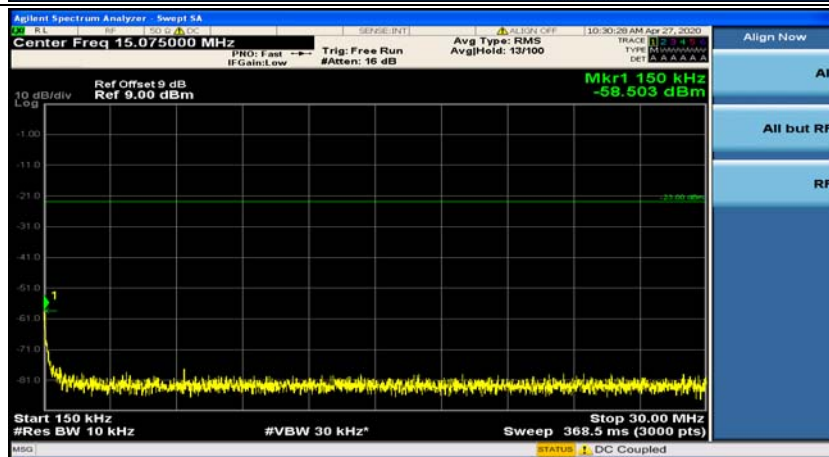
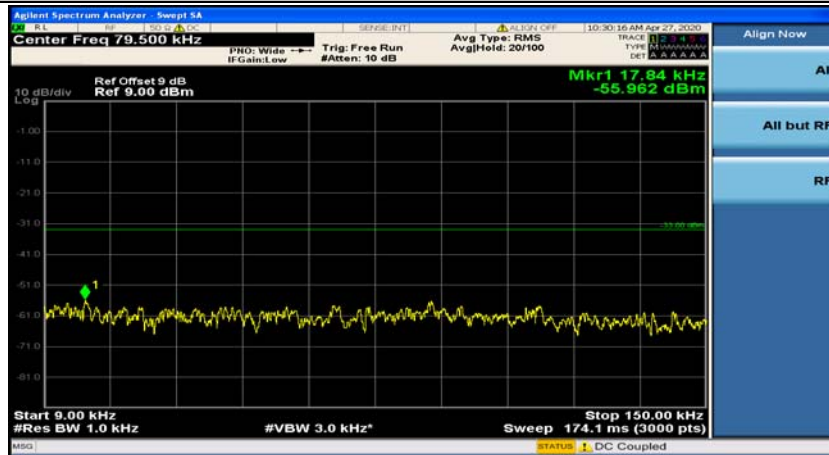


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

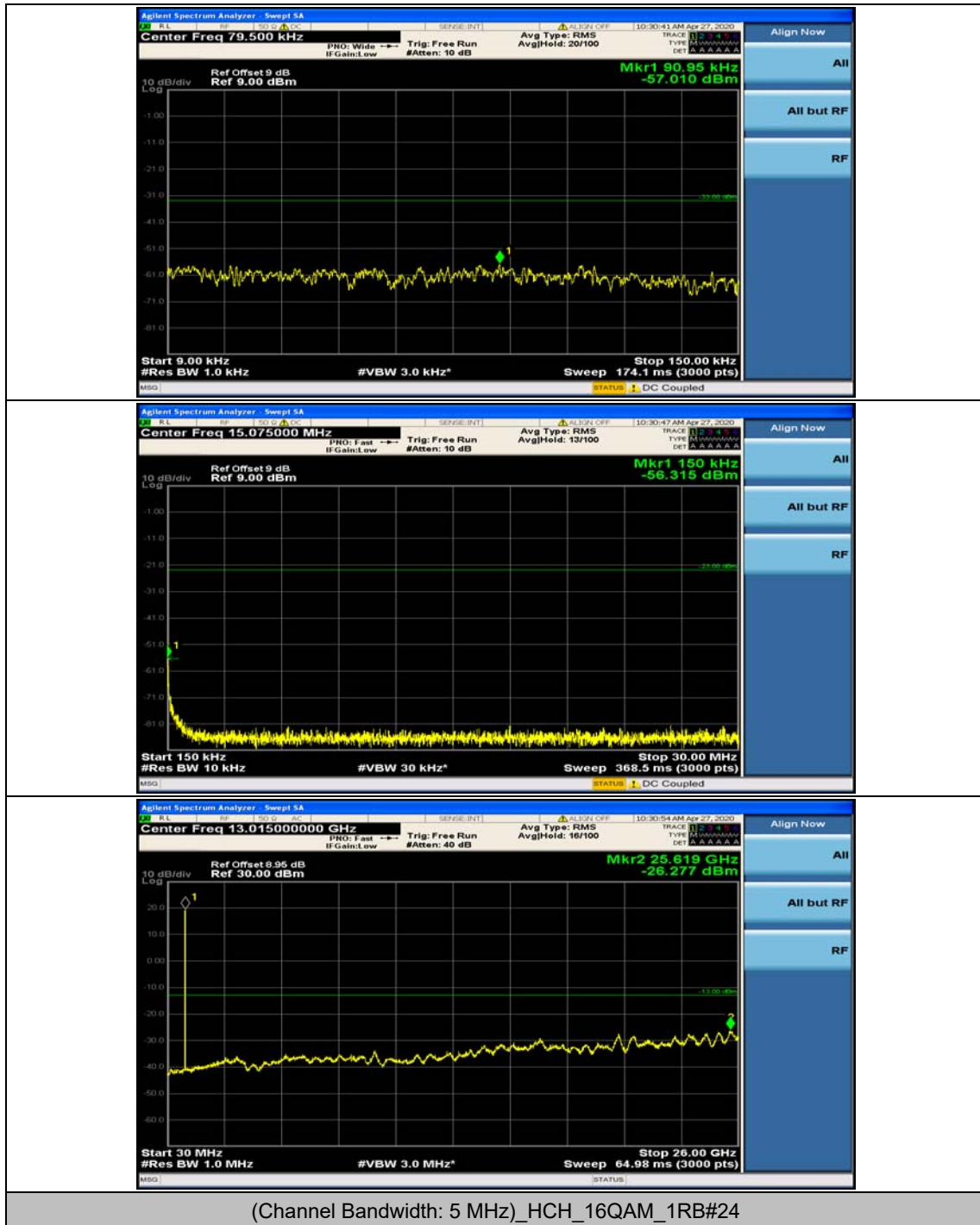


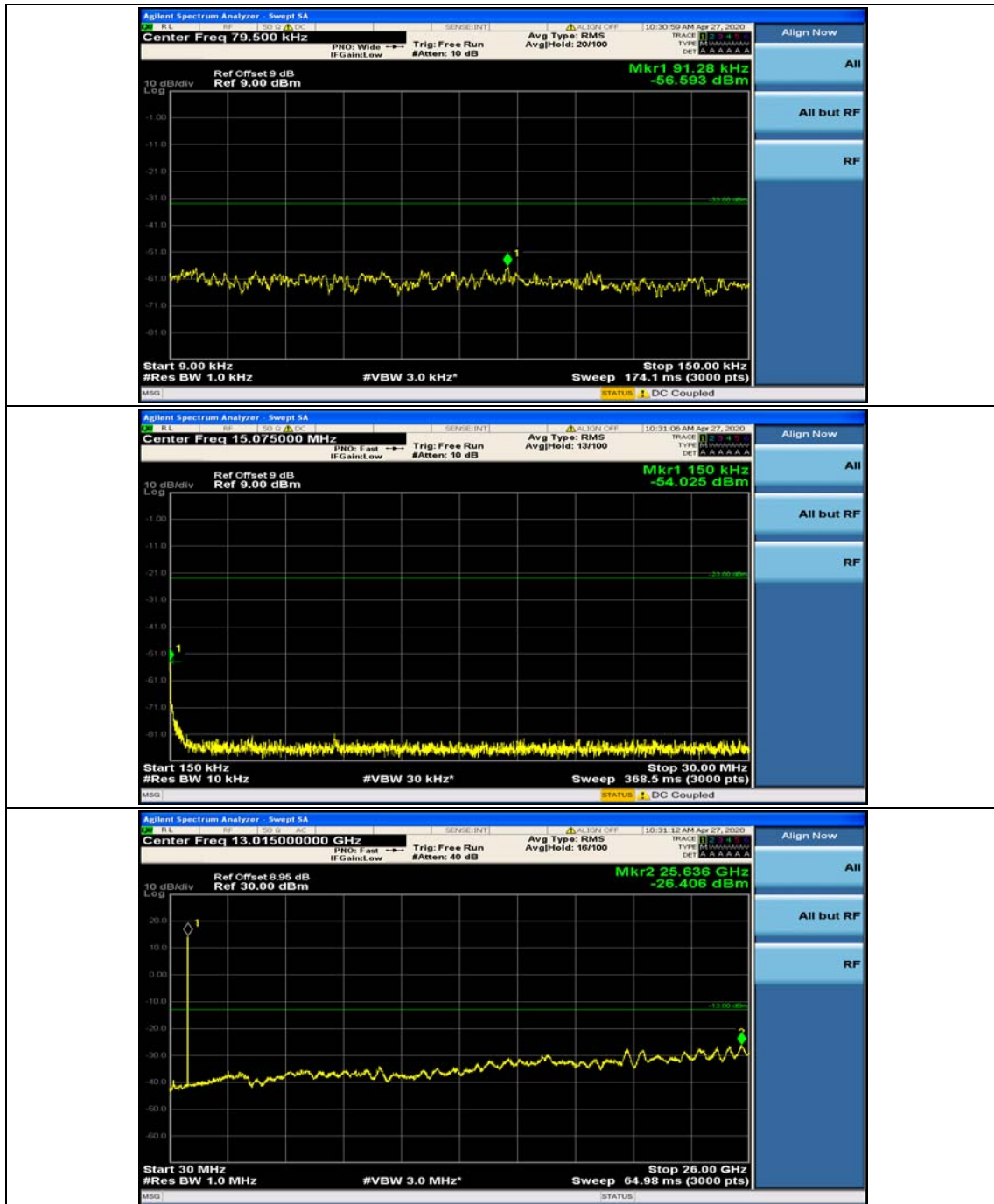


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

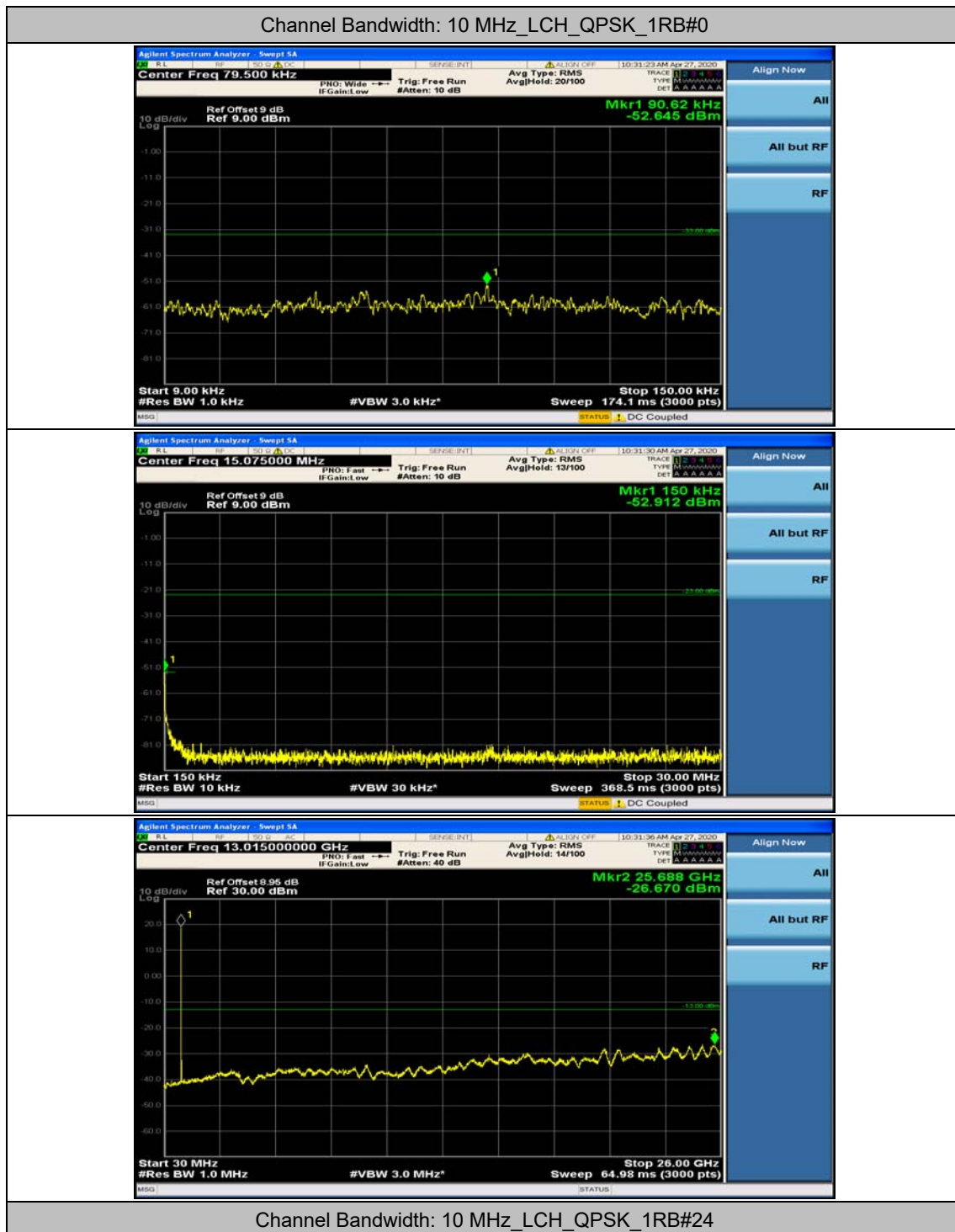


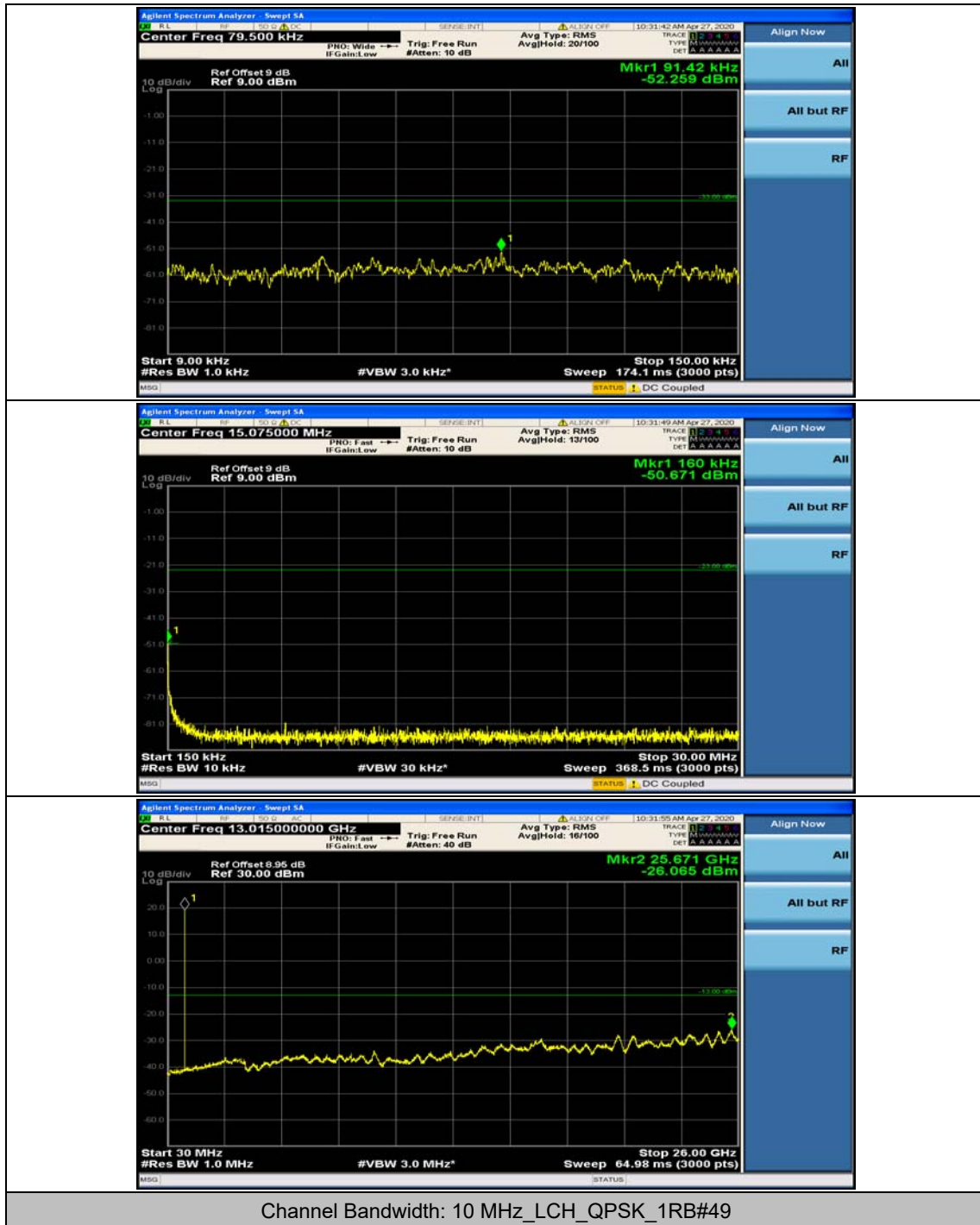
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

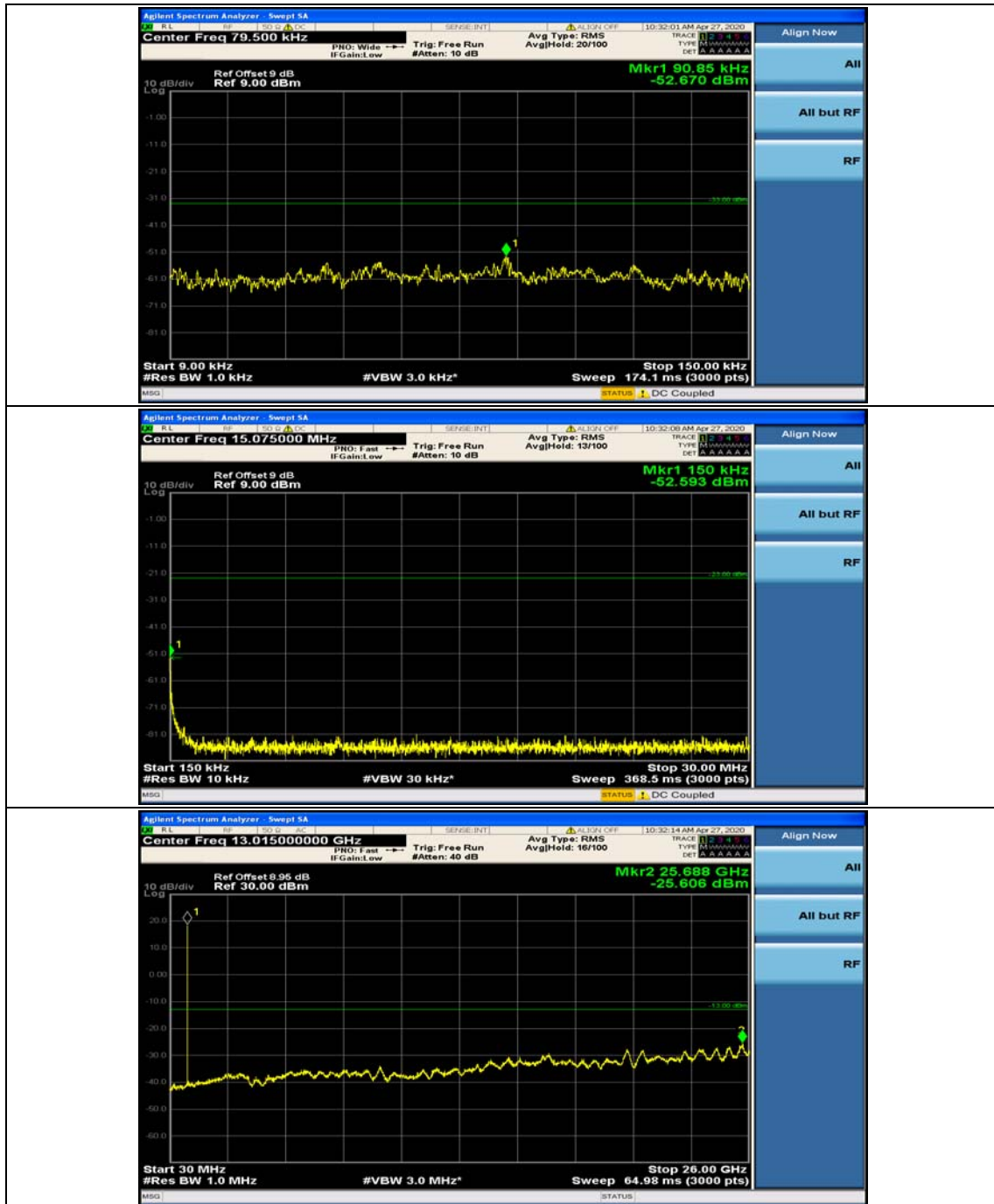




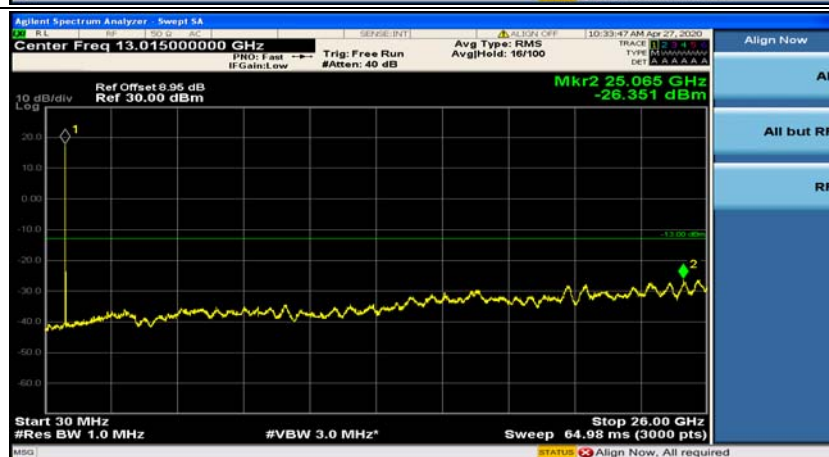
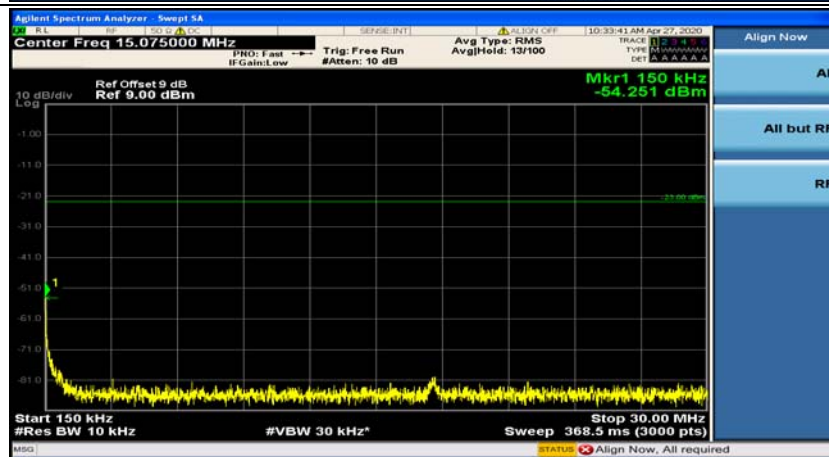
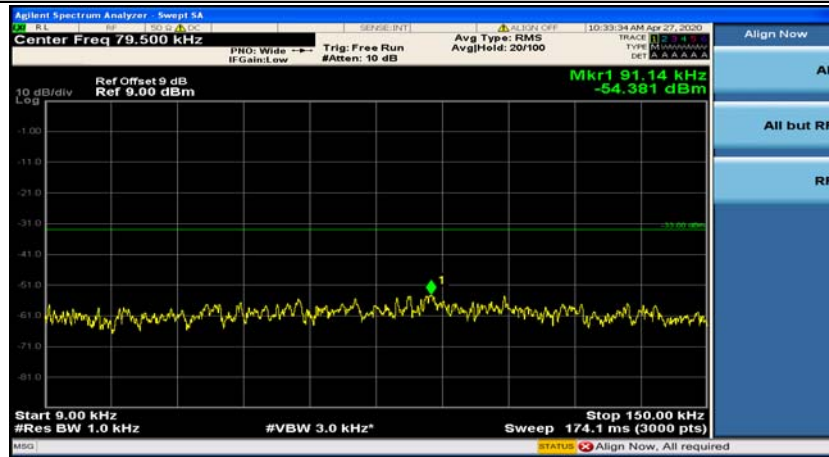
Channel Bandwidth: 10 MHz



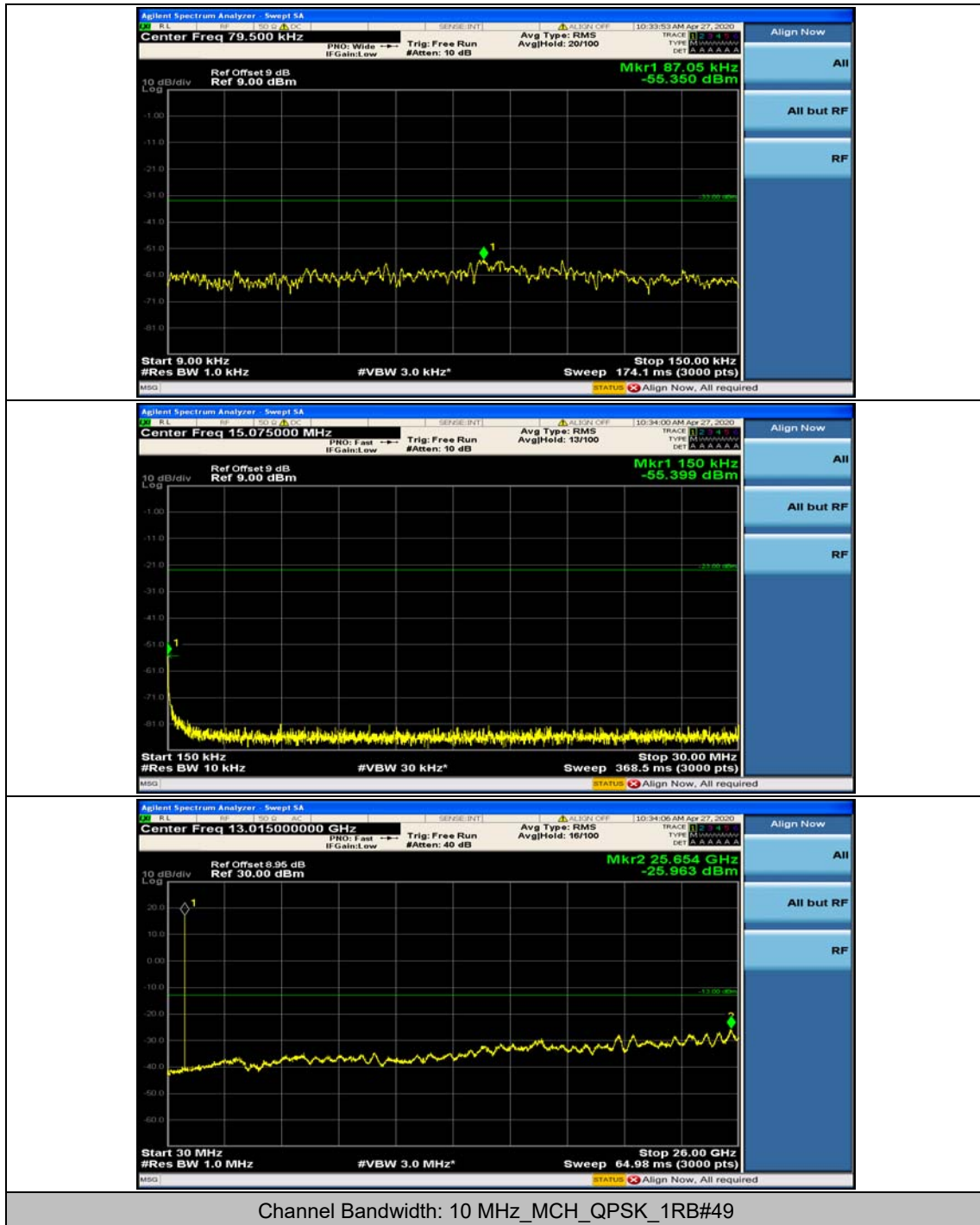


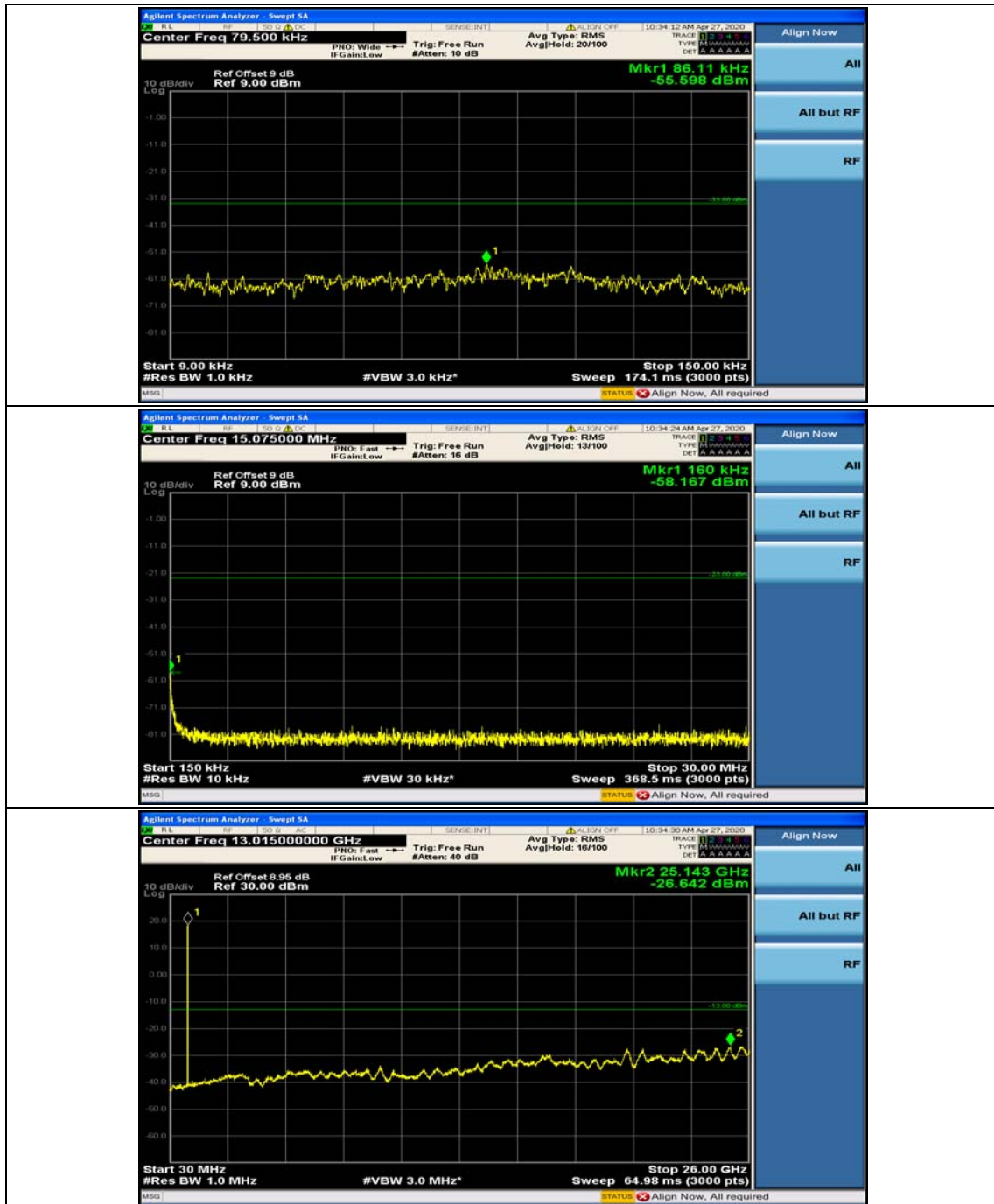


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

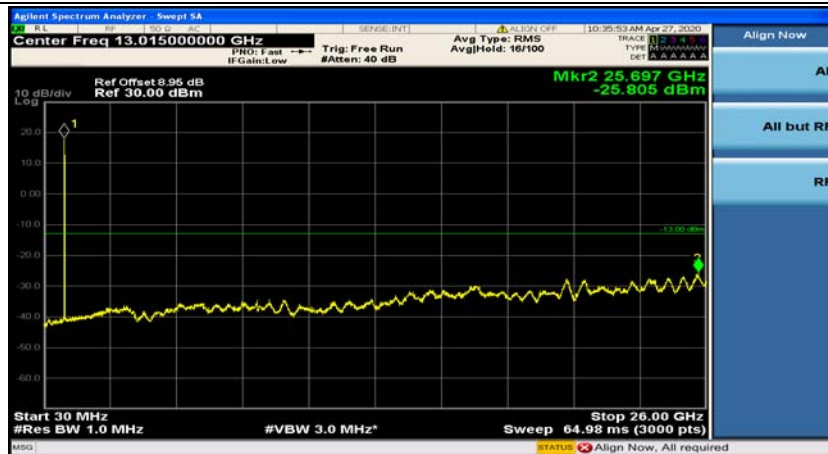
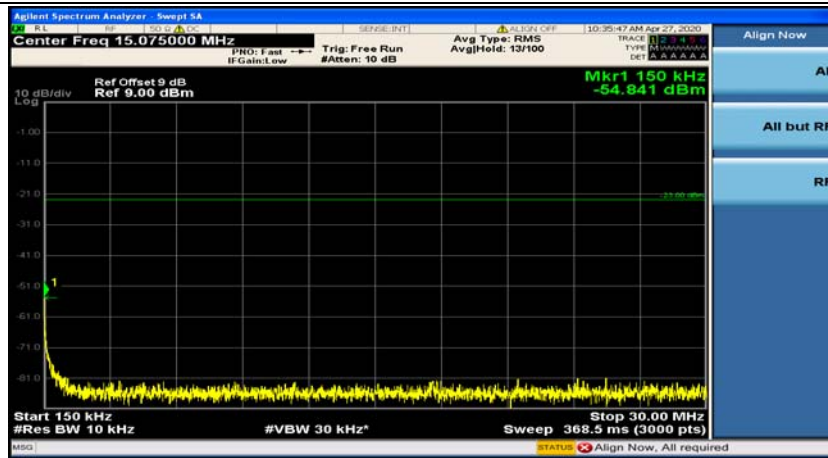
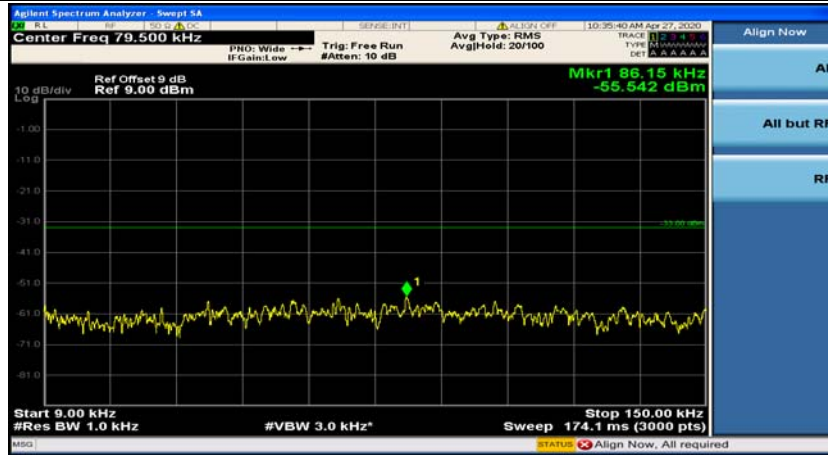


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

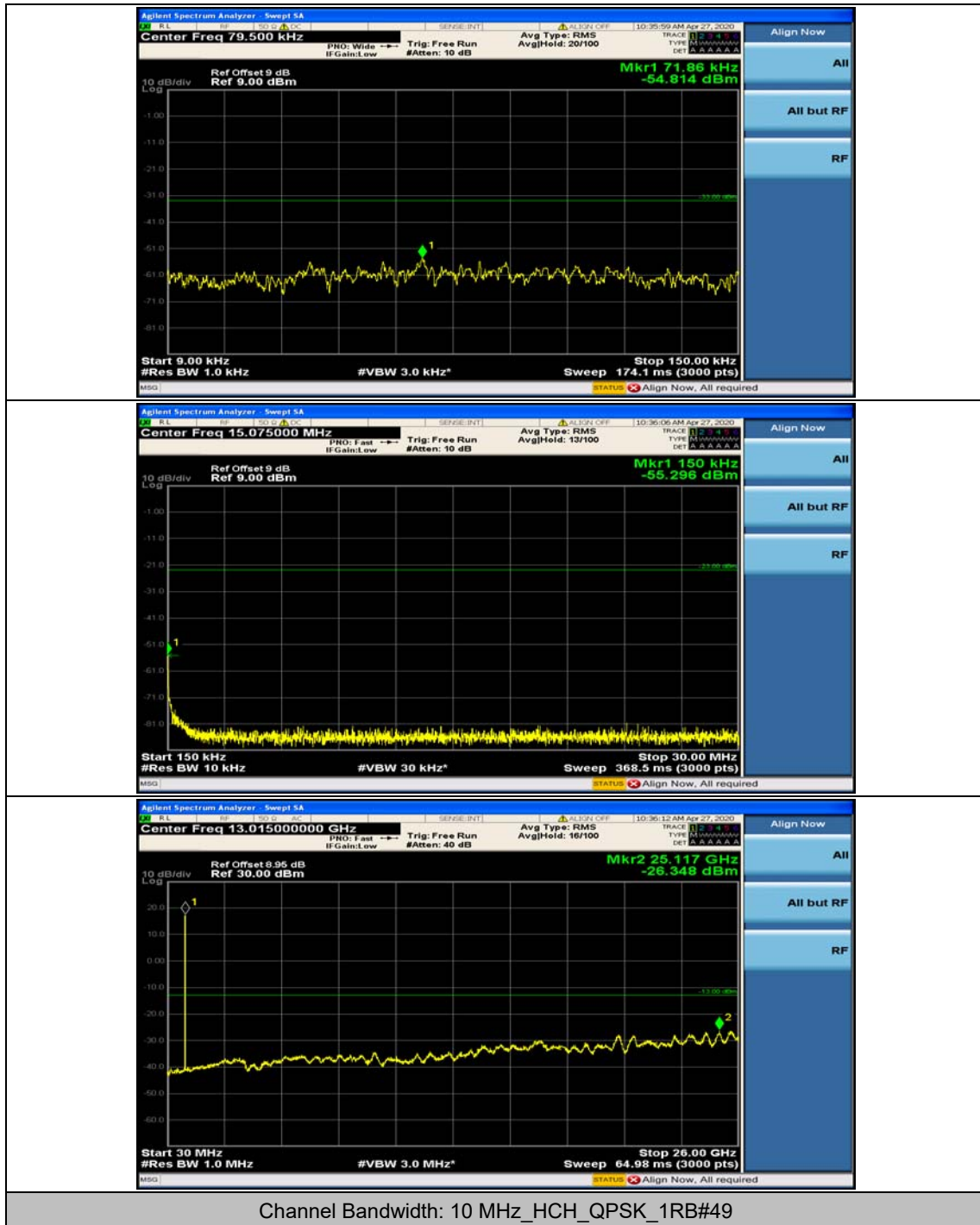


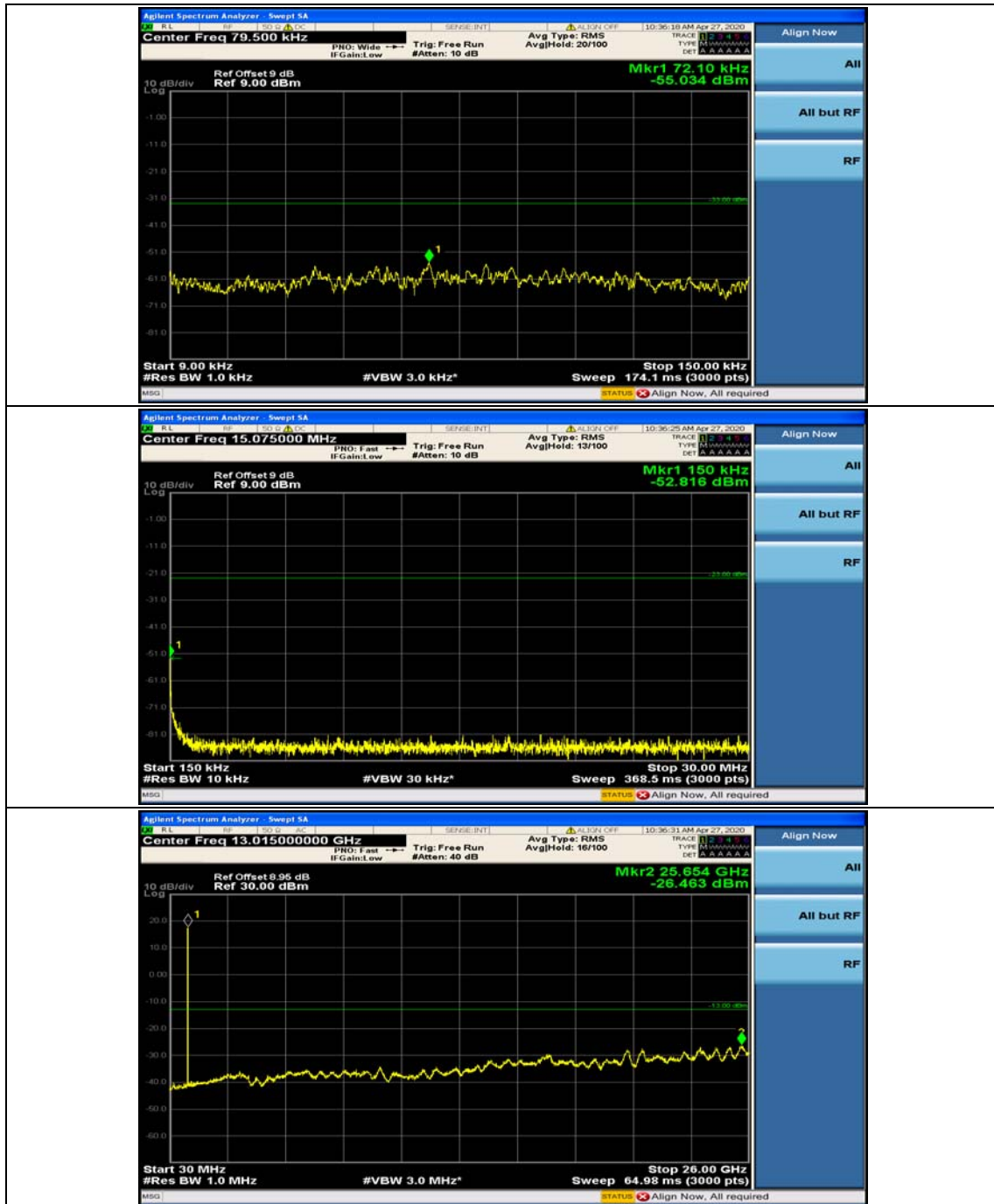


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

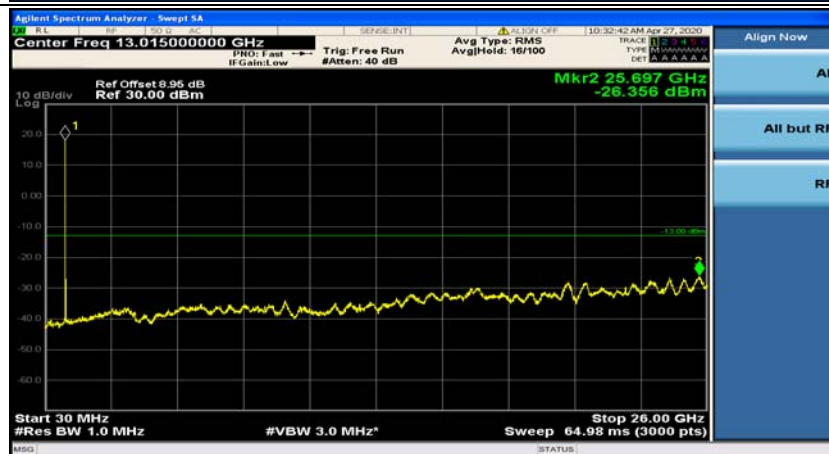
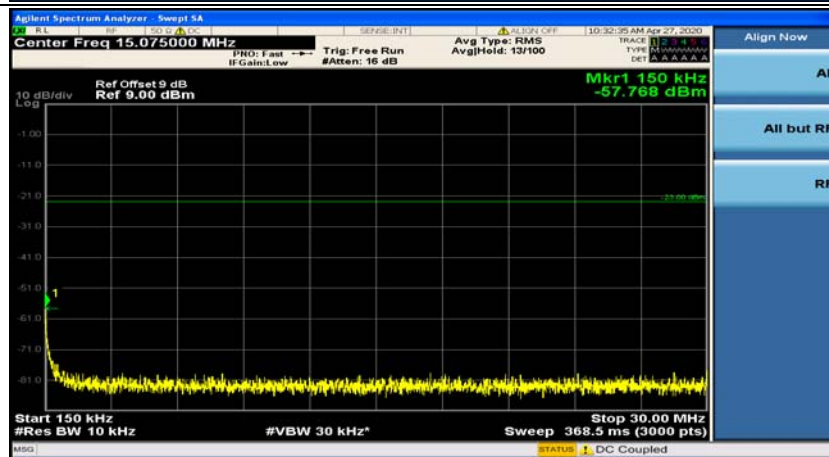
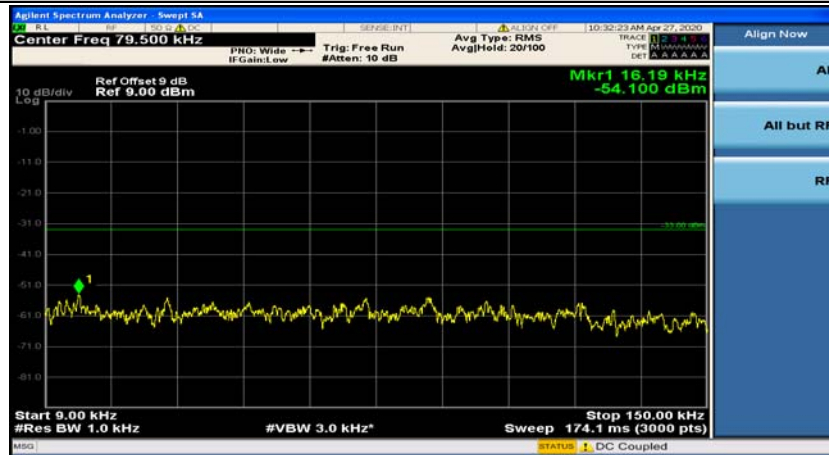


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

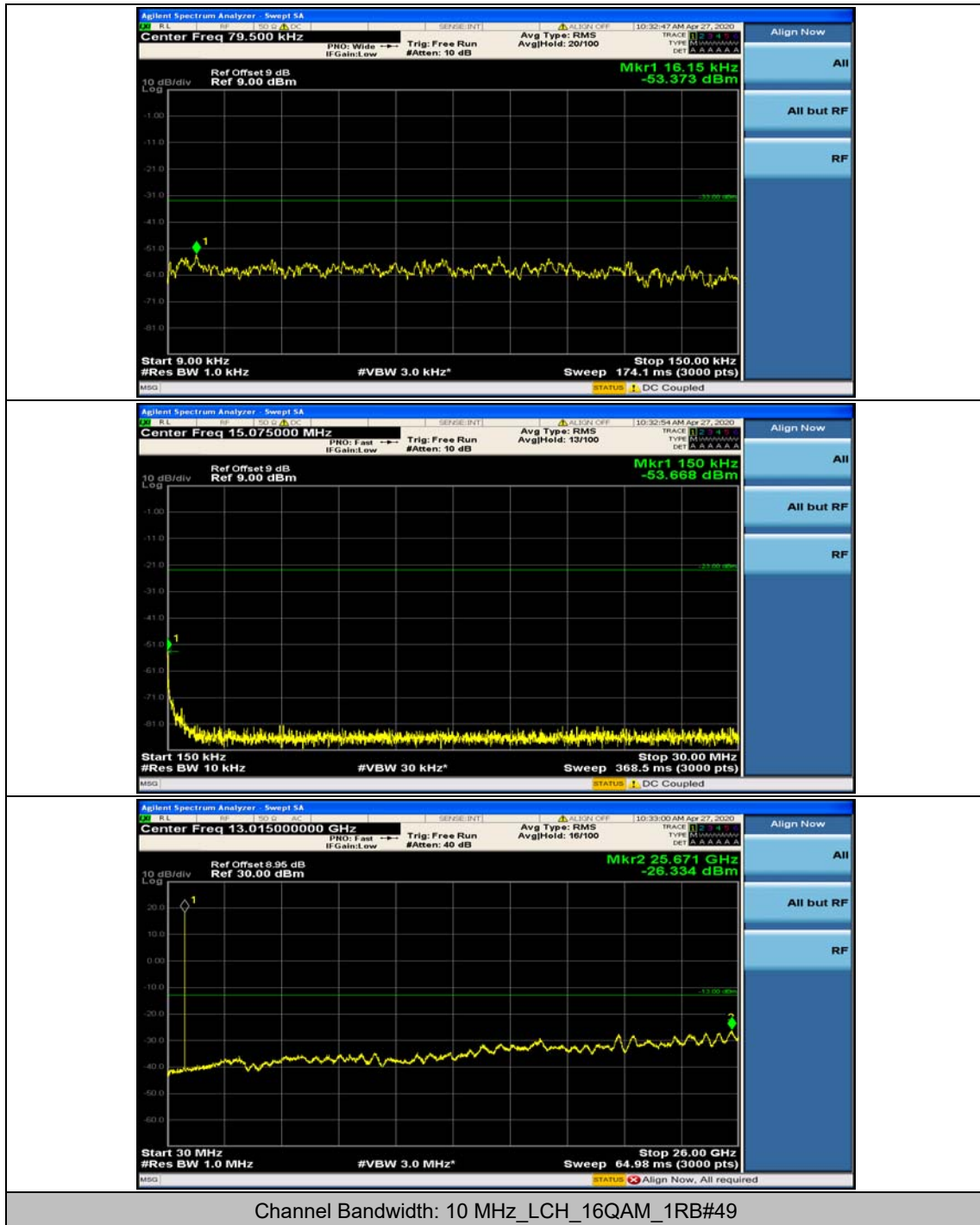


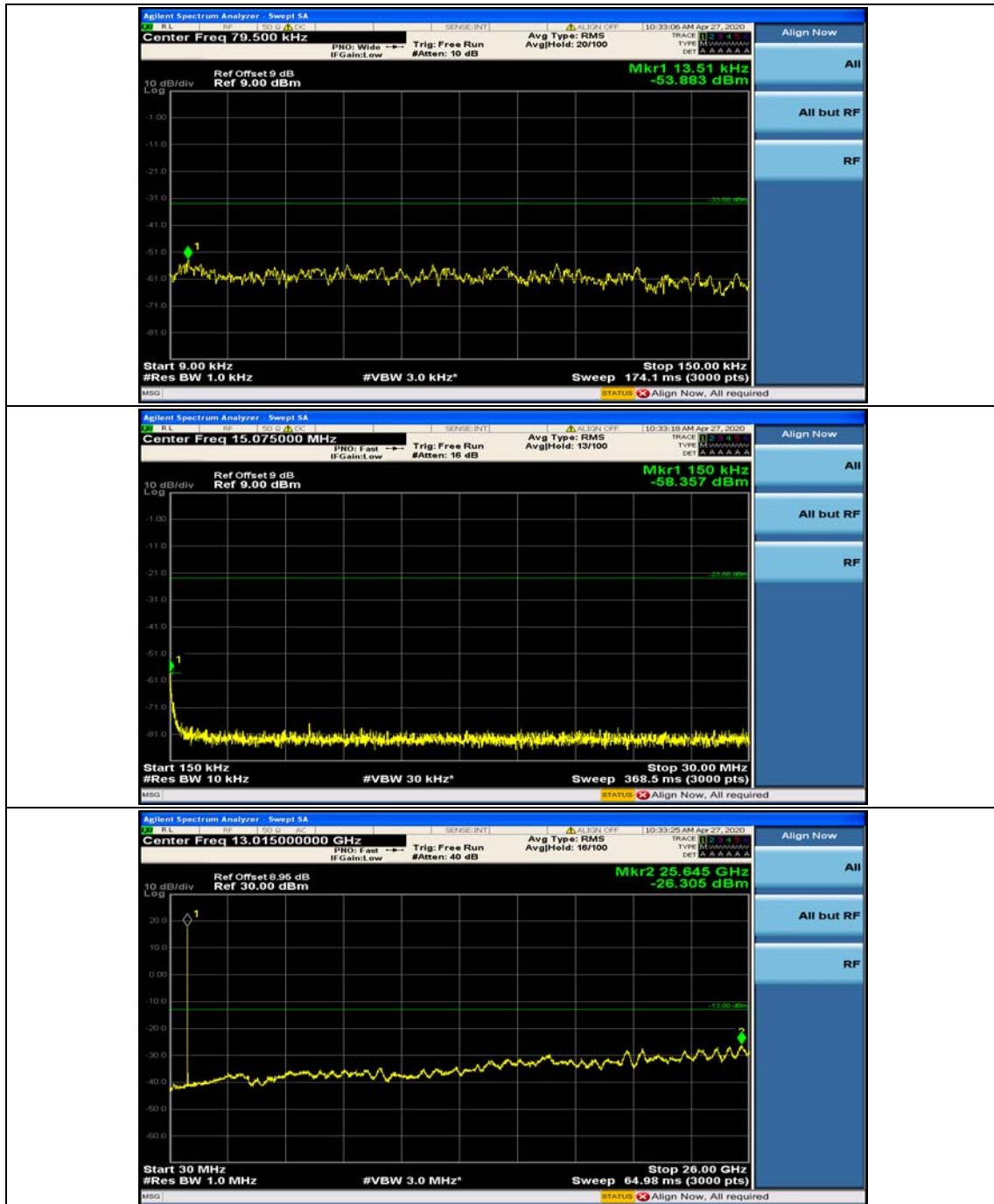


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

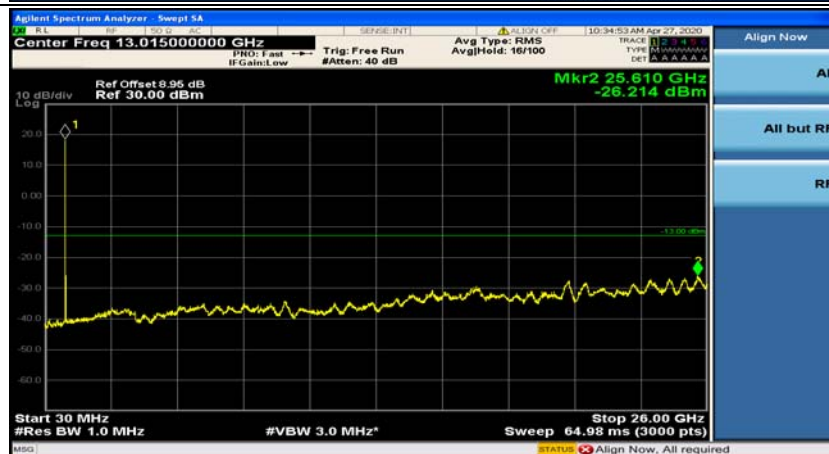
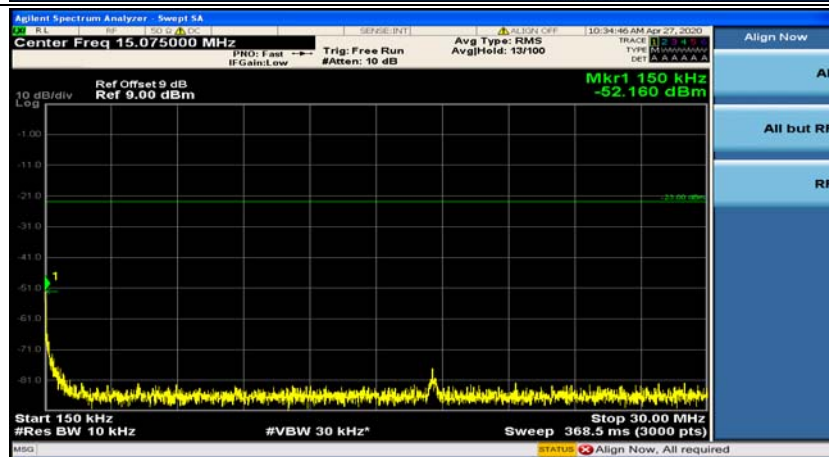
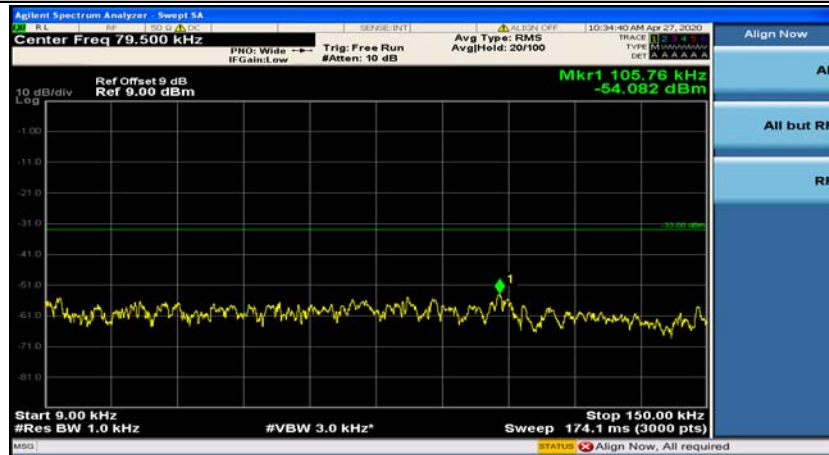


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

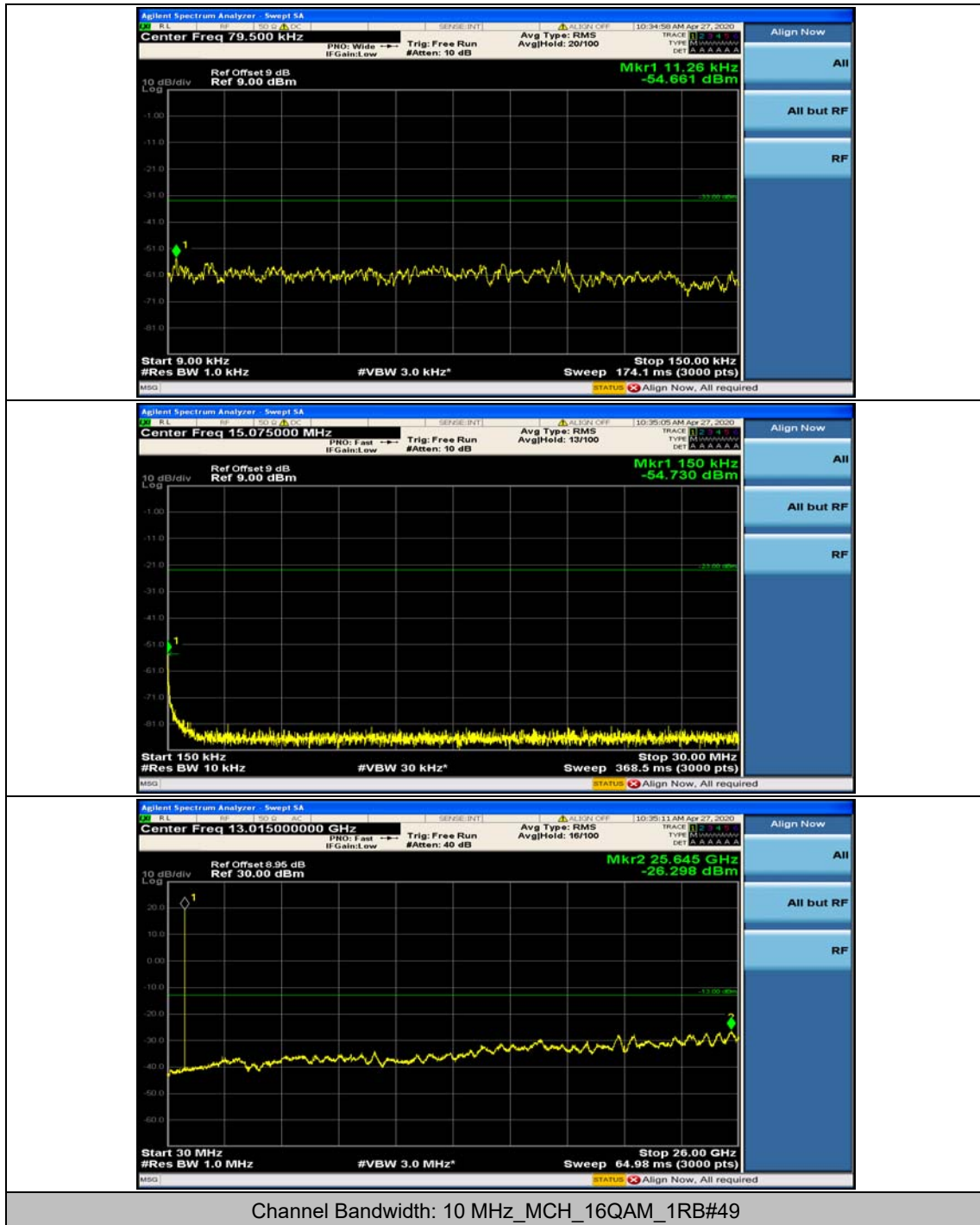


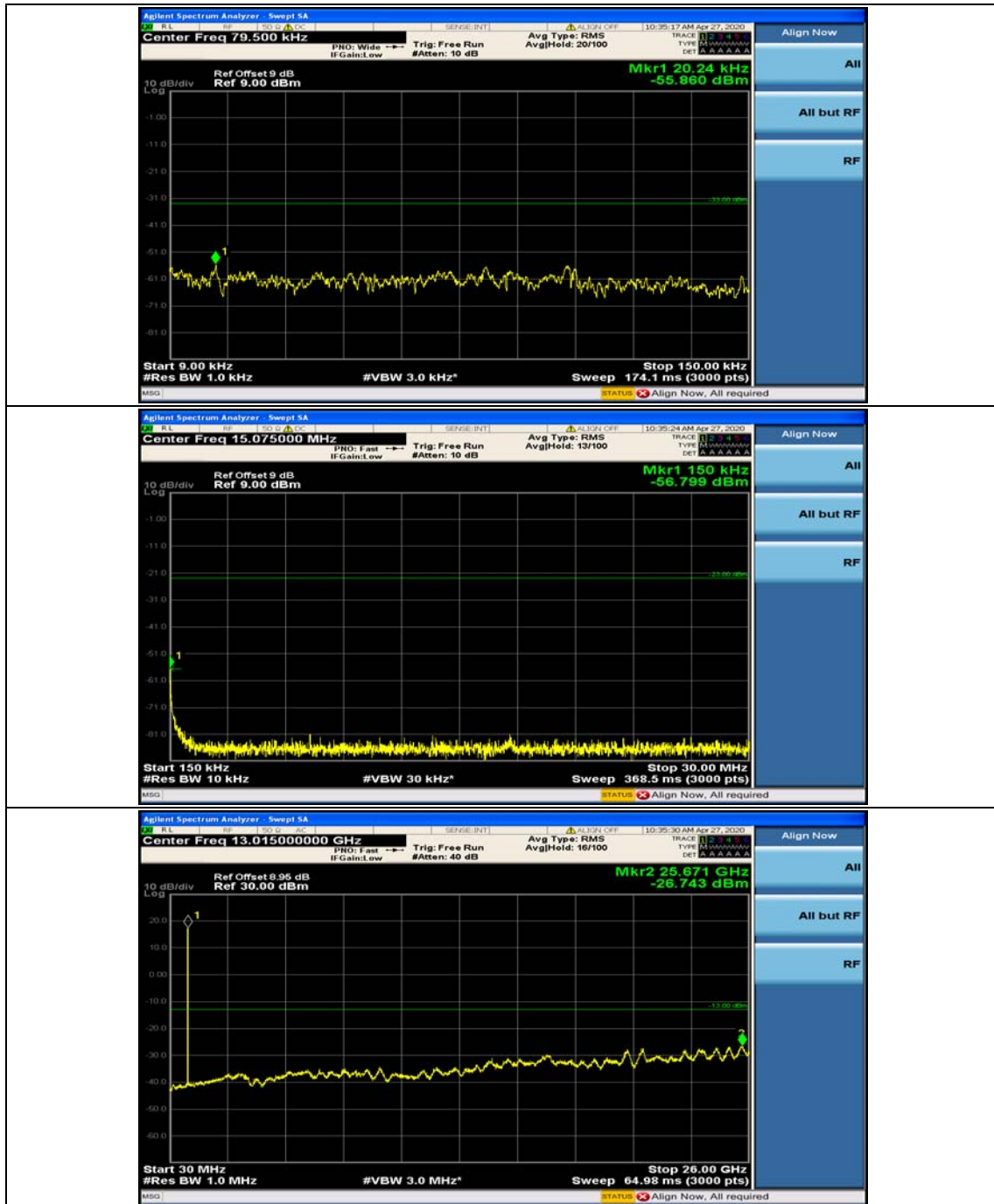


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

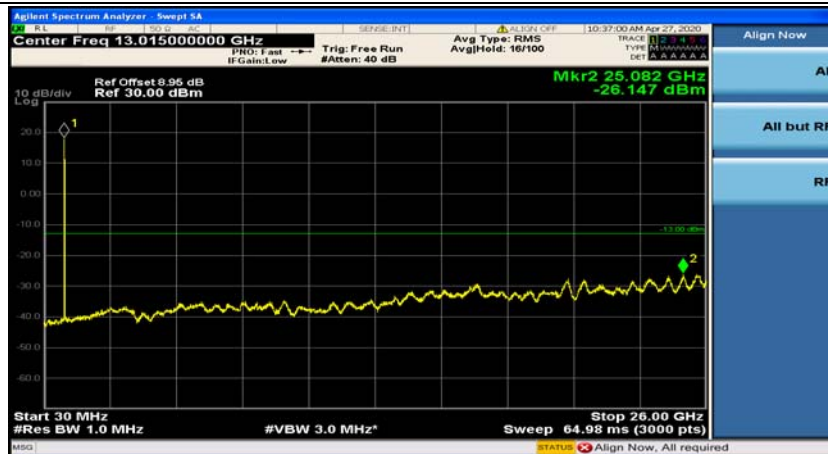
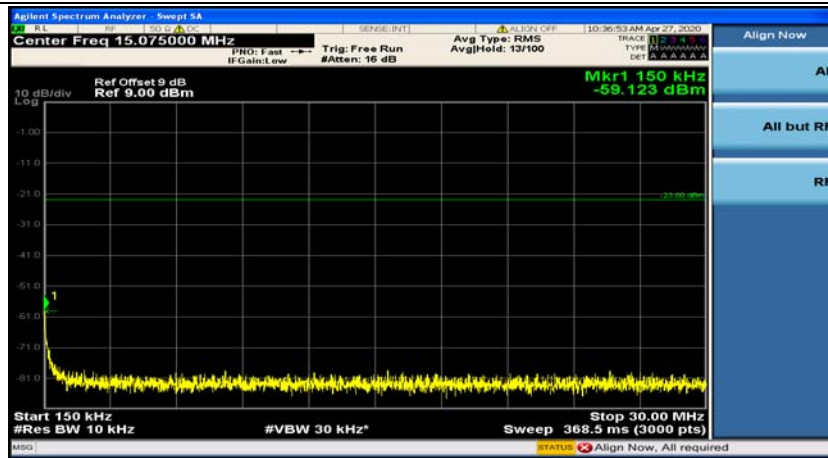
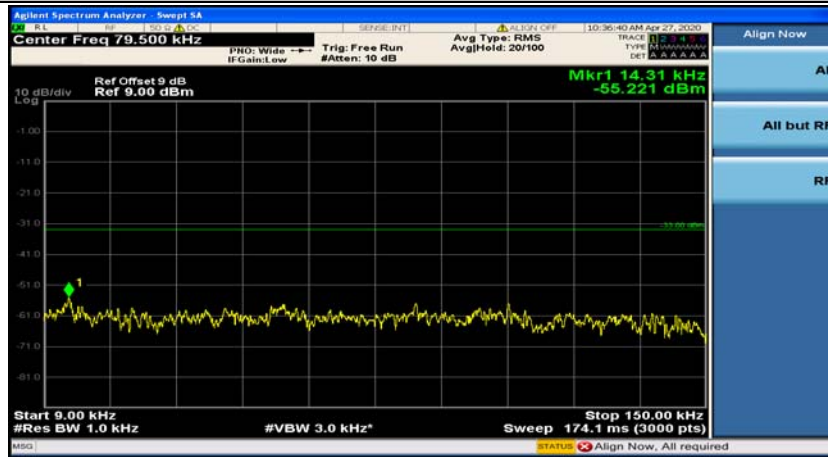


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

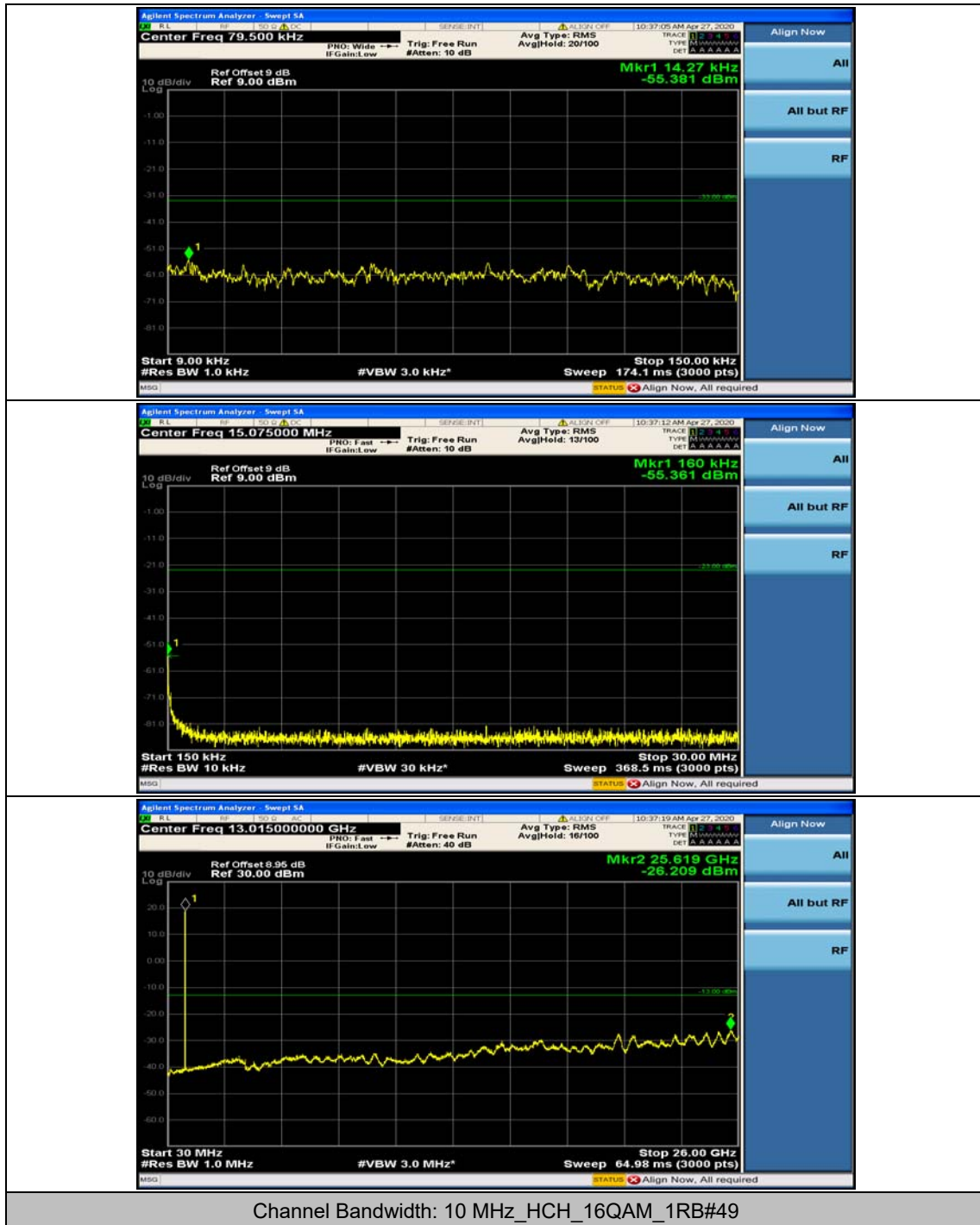


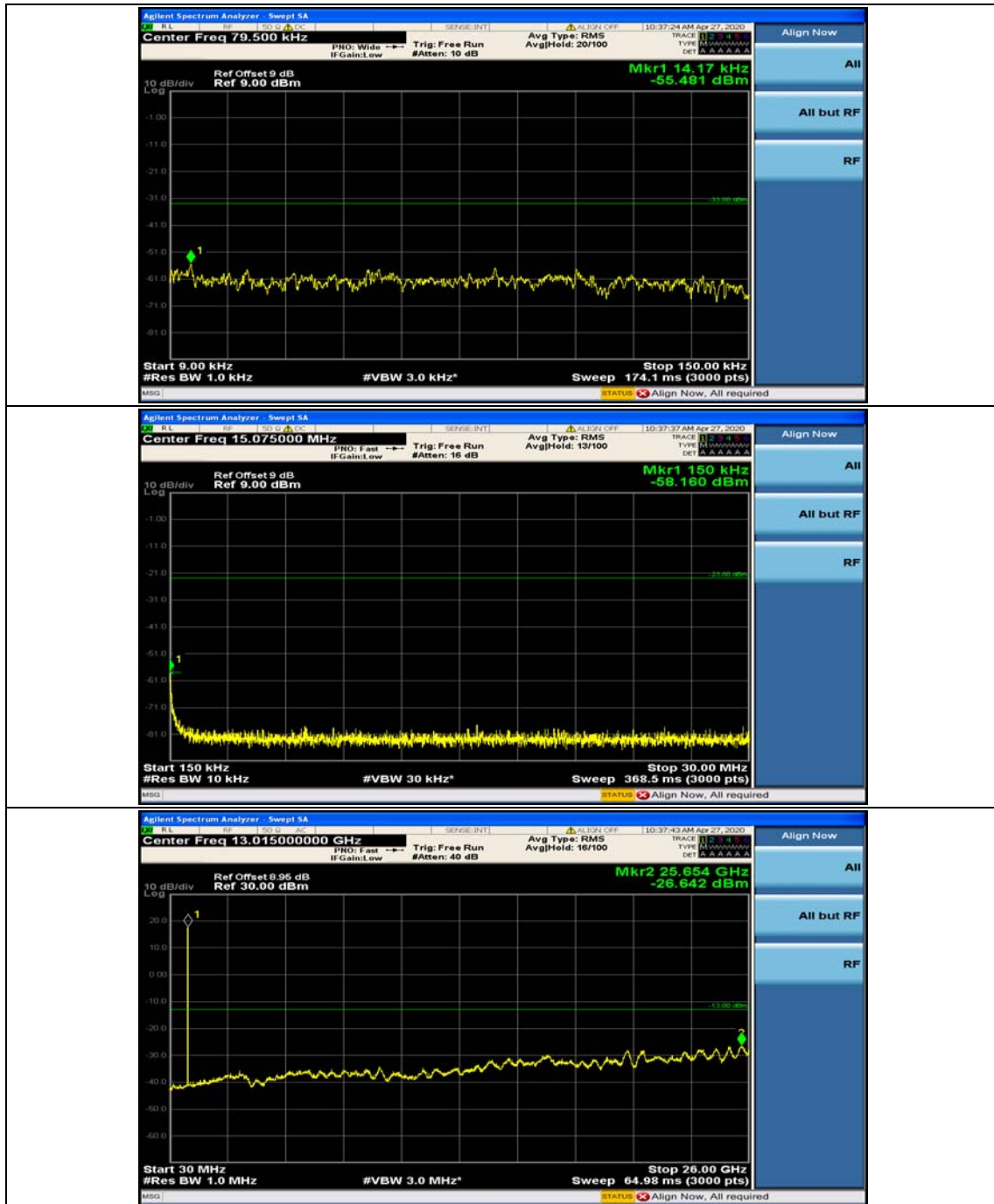


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



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	2.77	0.003359	± 2.5	PASS
		VN	TN	3.56	0.004317	± 2.5	PASS
		VH	TN	0.18	0.000218	± 2.5	PASS
	MCH	VL	TN	1.77	0.002116	± 2.5	PASS
		VN	TN	-1.21	-0.001447	± 2.5	PASS
		VH	TN	4.87	0.005822	± 2.5	PASS
	HCH	VL	TN	1.15	0.001356	± 2.5	PASS
		VN	TN	2.46	0.002900	± 2.5	PASS
		VH	TN	1.22	0.001438	± 2.5	PASS
16QAM	LCH	VL	TN	2.39	0.002898	± 2.5	PASS
		VN	TN	2.31	0.002801	± 2.5	PASS
		VH	TN	0.03	0.000036	± 2.5	PASS
	MCH	VL	TN	-0.91	-0.001088	± 2.5	PASS
		VN	TN	4.18	0.004997	± 2.5	PASS
		VH	TN	-0.98	-0.001172	± 2.5	PASS
	HCH	VL	TN	3.98	0.004692	± 2.5	PASS
		VN	TN	3.69	0.004350	± 2.5	PASS
		VH	TN	-0.84	-0.000990	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.9	0.005942	± 2.5	PASS
		VN	-20	1.1	0.001334	± 2.5	PASS
		VN	-10	1.18	0.001431	± 2.5	PASS
		VN	0	2.93	0.003553	± 2.5	PASS
		VN	10	1.66	0.002013	± 2.5	PASS
		VN	20	-0.96	-0.001164	± 2.5	PASS
		VN	30	-0.26	-0.000315	± 2.5	PASS
		VN	40	2.89	0.003504	± 2.5	PASS
		VN	50	3.61	0.004377	± 2.5	PASS
	MCH	VN	-30	0.18	0.000215	± 2.5	PASS



		VN	-20	3.02	0.003610	± 2.5	PASS
		VN	-10	2.33	0.002785	± 2.5	PASS
		VN	0	0.81	0.000968	± 2.5	PASS
		VN	10	0.2	0.000239	± 2.5	PASS
		VN	20	2.97	0.003551	± 2.5	PASS
		VN	30	-1.06	-0.001267	± 2.5	PASS
		VN	40	-1.05	-0.001255	± 2.5	PASS
		VN	50	-1.61	-0.001925	± 2.5	PASS
	HCH	VN	-30	-1.23	-0.001450	± 2.5	PASS
		VN	-20	4.12	0.004857	± 2.5	PASS
		VN	-10	4.65	0.005482	± 2.5	PASS
		VN	0	1.39	0.001639	± 2.5	PASS
		VN	10	-0.55	-0.000648	± 2.5	PASS
		VN	20	-0.02	-0.000024	± 2.5	PASS
		VN	30	2.35	0.002770	± 2.5	PASS
		VN	40	1.69	0.001992	± 2.5	PASS
		VN	50	-0.81	-0.000955	± 2.5	PASS
		VN	-30	3.13	0.003795	± 2.5	PASS
16QAM	LCH	VN	-20	4.5	0.005457	± 2.5	PASS
		VN	-10	-0.9	-0.001091	± 2.5	PASS
		VN	0	-1.75	-0.002122	± 2.5	PASS
		VN	10	-0.86	-0.001043	± 2.5	PASS
		VN	20	-0.19	-0.000230	± 2.5	PASS
		VN	30	-1.43	-0.001734	± 2.5	PASS
		VN	40	-1.84	-0.002231	± 2.5	PASS
		VN	50	1.83	0.002219	± 2.5	PASS
	MCH	VN	-30	-0.66	-0.000778	± 2.5	PASS
		VN	-20	0.93	0.001096	± 2.5	PASS
		VN	-10	-0.6	-0.000707	± 2.5	PASS
		VN	0	2.54	0.002994	± 2.5	PASS
		VN	10	3.46	0.004079	± 2.5	PASS
		VN	20	-0.98	-0.001155	± 2.5	PASS
		VN	30	1.04	0.001226	± 2.5	PASS
		VN	40	-1.05	-0.001238	± 2.5	PASS
		VN	50	-0.27	-0.000318	± 2.5	PASS
	HCH	VN	-30	-0.75	-0.000884	± 2.5	PASS
		VN	-20	-1.77	-0.002087	± 2.5	PASS
		VN	-10	-0.36	-0.000424	± 2.5	PASS
		VN	0	2.45	0.002888	± 2.5	PASS
		VN	10	2.28	0.002688	± 2.5	PASS
		VN	20	3.46	0.004079	± 2.5	PASS

		VN	30	3.13	0.003690	± 2.5	PASS
		VN	40	4.43	0.005222	± 2.5	PASS
		VN	50	4.71	0.005552	± 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	2.77	0.003356	± 2.5	PASS
		VN	TN	-1.99	-0.002411	± 2.5	PASS
		VH	TN	2.78	0.003368	± 2.5	PASS
	MCH	VL	TN	3.87	0.004626	± 2.5	PASS
		VN	TN	3.09	0.003694	± 2.5	PASS
		VH	TN	1.43	0.001710	± 2.5	PASS
	HCH	VL	TN	4.2	0.004956	± 2.5	PASS
		VN	TN	-0.11	-0.000130	± 2.5	PASS
		VH	TN	1.77	0.002088	± 2.5	PASS
16QAM	LCH	VL	TN	-1.74	-0.002108	± 2.5	PASS
		VN	TN	1.53	0.001853	± 2.5	PASS
		VH	TN	2.06	0.002495	± 2.5	PASS
	MCH	VL	TN	0.17	0.000203	± 2.5	PASS
		VN	TN	2.5	0.002989	± 2.5	PASS
		VH	TN	0.17	0.000203	± 2.5	PASS
	HCH	VL	TN	3.6	0.004248	± 2.5	PASS
		VN	TN	1.08	0.001274	± 2.5	PASS
		VH	TN	-0.12	-0.000142	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.7	0.005694	± 2.5	PASS
		VN	-20	4.87	0.005899	± 2.5	PASS
		VN	-10	-1.2	-0.001454	± 2.5	PASS
		VN	0	3.65	0.004422	± 2.5	PASS
		VN	10	-0.12	-0.000145	± 2.5	PASS
		VN	20	3.31	0.004010	± 2.5	PASS
		VN	30	0.32	0.000388	± 2.5	PASS
		VN	40	-1.95	-0.002362	± 2.5	PASS
		VN	50	0.93	0.001127	± 2.5	PASS
	MCH	VN	-30	-0.24	-0.000287	± 2.5	PASS
		VN	-20	-1.66	-0.001984	± 2.5	PASS

		VN	-10	4.96	0.005929	± 2.5	PASS
		VN	0	-0.42	-0.000502	± 2.5	PASS
		VN	10	4.82	0.005762	± 2.5	PASS
		VN	20	-1.21	-0.001447	± 2.5	PASS
		VN	30	0.56	0.000669	± 2.5	PASS
		VN	40	2.48	0.002965	± 2.5	PASS
		VN	50	4.93	0.005894	± 2.5	PASS
	HCH	VN	-30	4.02	0.004743	± 2.5	PASS
		VN	-20	3.06	0.003611	± 2.5	PASS
		VN	-10	-1.5	-0.001770	± 2.5	PASS
		VN	0	4.53	0.005345	± 2.5	PASS
		VN	10	2.05	0.002419	± 2.5	PASS
		VN	20	1	0.001180	± 2.5	PASS
		VN	30	3.81	0.004496	± 2.5	PASS
		VN	40	0.54	0.000637	± 2.5	PASS
		VN	50	0.36	0.000425	± 2.5	PASS
16QAM	LCH	VN	-30	-0.97	-0.001160	± 2.5	PASS
		VN	-20	2.51	0.003001	± 2.5	PASS
		VN	-10	-0.81	-0.000968	± 2.5	PASS
		VN	0	1.2	0.001435	± 2.5	PASS
		VN	10	0.48	0.000574	± 2.5	PASS
		VN	20	3.64	0.004351	± 2.5	PASS
		VN	30	1.77	0.002116	± 2.5	PASS
		VN	40	-0.89	-0.001064	± 2.5	PASS
		VN	50	-1.73	-0.002068	± 2.5	PASS
	MCH	VN	-30	-0.76	-0.000897	± 2.5	PASS
		VN	-20	4.86	0.005735	± 2.5	PASS
		VN	-10	-0.98	-0.001156	± 2.5	PASS
		VN	0	3.24	0.003823	± 2.5	PASS
		VN	10	-1.81	-0.002136	± 2.5	PASS
		VN	20	2.93	0.003457	± 2.5	PASS
		VN	30	3.11	0.003670	± 2.5	PASS
		VN	40	4.76	0.005617	± 2.5	PASS
		VN	50	4.35	0.005133	± 2.5	PASS
	HCH	VN	-30	0.12	0.000142	± 2.5	PASS
		VN	-20	0.21	0.000248	± 2.5	PASS
		VN	-10	3.07	0.003622	± 2.5	PASS
		VN	0	-0.07	-0.000083	± 2.5	PASS
		VN	10	-0.37	-0.000437	± 2.5	PASS
		VN	20	-0.31	-0.000366	± 2.5	PASS
		VN	30	-0.7	-0.000826	± 2.5	PASS

		VN	40	4.33	0.005109	± 2.5	PASS
		VN	50	4.57	0.005392	± 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	2.77	0.003351	± 2.5	PASS
		VN	TN	3.96	0.004791	± 2.5	PASS
		VH	TN	-1.15	-0.001391	± 2.5	PASS
	MCH	VL	TN	3.75	0.004483	± 2.5	PASS
		VN	TN	0.88	0.001052	± 2.5	PASS
		VH	TN	1.8	0.002152	± 2.5	PASS
	HCH	VL	TN	4.92	0.005812	± 2.5	PASS
		VN	TN	4.82	0.005694	± 2.5	PASS
		VH	TN	2.71	0.003201	± 2.5	PASS
16QAM	LCH	VL	TN	2.65	0.003206	± 2.5	PASS
		VN	TN	4.22	0.005106	± 2.5	PASS
		VH	TN	3.96	0.004791	± 2.5	PASS
	MCH	VL	TN	3.23	0.003861	± 2.5	PASS
		VN	TN	2.05	0.002451	± 2.5	PASS
		VH	TN	4.23	0.005057	± 2.5	PASS
	HCH	VL	TN	0.93	0.001099	± 2.5	PASS
		VN	TN	4.81	0.005682	± 2.5	PASS
		VH	TN	2.99	0.003532	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.47	0.005408	± 2.5	PASS
		VN	-20	-1.16	-0.001404	± 2.5	PASS
		VN	-10	4.11	0.004973	± 2.5	PASS
		VN	0	4.64	0.005614	± 2.5	PASS
		VN	10	4.58	0.005541	± 2.5	PASS
		VN	20	-0.28	-0.000339	± 2.5	PASS
		VN	30	-1.79	-0.002166	± 2.5	PASS
		VN	40	-0.02	-0.000024	± 2.5	PASS
		VN	50	-0.12	-0.000145	± 2.5	PASS
	MCH	VN	-30	4.9	0.005858	± 2.5	PASS
		VN	-20	1.44	0.001721	± 2.5	PASS
		VN	-10	-1.58	-0.001889	± 2.5	PASS

		VN	0	3.2	0.003825	± 2.5	PASS
		VN	10	2.24	0.002678	± 2.5	PASS
		VN	20	4.06	0.004854	± 2.5	PASS
		VN	30	-1.15	-0.001375	± 2.5	PASS
		VN	40	-0.97	-0.001160	± 2.5	PASS
		VN	50	4.43	0.005296	± 2.5	PASS
	HCH	VN	-30	2.44	0.002882	± 2.5	PASS
		VN	-20	0.66	0.000780	± 2.5	PASS
		VN	-10	-0.56	-0.000662	± 2.5	PASS
		VN	0	0.1	0.000118	± 2.5	PASS
		VN	10	3.11	0.003674	± 2.5	PASS
		VN	20	-0.09	-0.000106	± 2.5	PASS
		VN	30	1.86	0.002197	± 2.5	PASS
		VN	40	4.91	0.005800	± 2.5	PASS
		VN	50	0.54	0.000638	± 2.5	PASS
16QAM	LCH	VN	-30	-1.76	-0.002104	± 2.5	PASS
		VN	-20	4.21	0.005033	± 2.5	PASS
		VN	-10	-0.92	-0.001100	± 2.5	PASS
		VN	0	-1.71	-0.002044	± 2.5	PASS
		VN	10	0.06	0.000072	± 2.5	PASS
		VN	20	0.53	0.000634	± 2.5	PASS
		VN	30	0.5	0.000598	± 2.5	PASS
		VN	40	4.91	0.005870	± 2.5	PASS
		VN	50	4.96	0.005929	± 2.5	PASS
	MCH	VN	-30	-0.17	-0.000201	± 2.5	PASS
		VN	-20	2.43	0.002871	± 2.5	PASS
		VN	-10	4.09	0.004832	± 2.5	PASS
		VN	0	1.72	0.002032	± 2.5	PASS
		VN	10	4.31	0.005092	± 2.5	PASS
		VN	20	4.02	0.004749	± 2.5	PASS
		VN	30	0.03	0.000035	± 2.5	PASS
		VN	40	-0.46	-0.000543	± 2.5	PASS
		VN	50	2.9	0.003426	± 2.5	PASS
	HCH	VN	-30	-1.47	-0.001737	± 2.5	PASS
		VN	-20	1.72	0.002032	± 2.5	PASS
		VN	-10	0.57	0.000673	± 2.5	PASS
		VN	0	4.11	0.004855	± 2.5	PASS
		VN	10	-1.75	-0.002067	± 2.5	PASS
		VN	20	3.09	0.003650	± 2.5	PASS
		VN	30	2.07	0.002445	± 2.5	PASS
		VN	40	0.67	0.000791	± 2.5	PASS



		VN	50	3.64	0.004300	± 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	2.77	0.003341	± 2.5	PASS
		VN	TN	2.7	0.003257	± 2.5	PASS
		VH	TN	-1.65	-0.001990	± 2.5	PASS
	MCH	VL	TN	1.68	0.002008	± 2.5	PASS
		VN	TN	-0.1	-0.000120	± 2.5	PASS
		VH	TN	2.68	0.003204	± 2.5	PASS
	HCH	VL	TN	-1.92	-0.002275	± 2.5	PASS
		VN	TN	3.23	0.003827	± 2.5	PASS
		VH	TN	2.67	0.003164	± 2.5	PASS
16QAM	LCH	VL	TN	1.51	0.001821	± 2.5	PASS
		VN	TN	-1.36	-0.001641	± 2.5	PASS
		VH	TN	0.88	0.001062	± 2.5	PASS
	MCH	VL	TN	2.7	0.003228	± 2.5	PASS
		VN	TN	2.48	0.002965	± 2.5	PASS
		VH	TN	3.89	0.004650	± 2.5	PASS
	HCH	VL	TN	2.15	0.002547	± 2.5	PASS
		VN	TN	4.52	0.005355	± 2.5	PASS
		VH	TN	4.92	0.005829	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.5	-0.001809	± 2.5	PASS
		VN	-20	1.44	0.001737	± 2.5	PASS
		VN	-10	4.38	0.005283	± 2.5	PASS
		VN	0	-1.37	-0.001653	± 2.5	PASS
		VN	10	0.8	0.000965	± 2.5	PASS
		VN	20	1.68	0.002027	± 2.5	PASS
		VN	30	4.4	0.005308	± 2.5	PASS
		VN	40	1.37	0.001653	± 2.5	PASS
		VN	50	4.61	0.005561	± 2.5	PASS
	MCH	VN	-30	-1.22	-0.001458	± 2.5	PASS
		VN	-20	0.32	0.000383	± 2.5	PASS
		VN	-10	4.2	0.005021	± 2.5	PASS
		VN	0	2.58	0.003084	± 2.5	PASS



		VN	10	2.67	0.003192	± 2.5	PASS
		VN	20	2.92	0.003491	± 2.5	PASS
		VN	30	1.11	0.001327	± 2.5	PASS
		VN	40	-0.36	-0.000430	± 2.5	PASS
		VN	50	0.48	0.000574	± 2.5	PASS
	HCH	VN	-30	1.34	0.001588	± 2.5	PASS
		VN	-20	3.69	0.004372	± 2.5	PASS
		VN	-10	1.76	0.002085	± 2.5	PASS
		VN	0	2.66	0.003152	± 2.5	PASS
		VN	10	-1.16	-0.001374	± 2.5	PASS
		VN	20	-1.92	-0.002275	± 2.5	PASS
		VN	30	4.08	0.004834	± 2.5	PASS
		VN	40	2.75	0.003258	± 2.5	PASS
		VN	50	1.14	0.001351	± 2.5	PASS
		VN	-30	3.82	0.004567	± 2.5	PASS
16QAM	LCH	VN	-20	-1.18	-0.001411	± 2.5	PASS
		VN	-10	0.08	0.000096	± 2.5	PASS
		VN	0	4.47	0.005344	± 2.5	PASS
		VN	10	3.81	0.004555	± 2.5	PASS
		VN	20	-1.05	-0.001255	± 2.5	PASS
		VN	30	3.33	0.003981	± 2.5	PASS
		VN	40	0.21	0.000251	± 2.5	PASS
		VN	50	1.03	0.001231	± 2.5	PASS
	MCH	VN	-30	3.52	0.004171	± 2.5	PASS
		VN	-20	1.35	0.001600	± 2.5	PASS
		VN	-10	4.08	0.004834	± 2.5	PASS
		VN	0	0.34	0.000403	± 2.5	PASS
		VN	10	4.09	0.004846	± 2.5	PASS
		VN	20	3.23	0.003827	± 2.5	PASS
		VN	30	2.59	0.003069	± 2.5	PASS
		VN	40	1.18	0.001398	± 2.5	PASS
		VN	50	1.36	0.001611	± 2.5	PASS
	HCH	VN	-30	-0.33	-0.000391	± 2.5	PASS
		VN	-20	0.38	0.000450	± 2.5	PASS
		VN	-10	1.49	0.001765	± 2.5	PASS
		VN	0	0.99	0.001173	± 2.5	PASS
		VN	10	-1.02	-0.001209	± 2.5	PASS
		VN	20	2.33	0.002761	± 2.5	PASS
		VN	30	-1.73	-0.002050	± 2.5	PASS
		VN	40	3.37	0.003993	± 2.5	PASS
		VN	50	4.14	0.004905	± 2.5	PASS