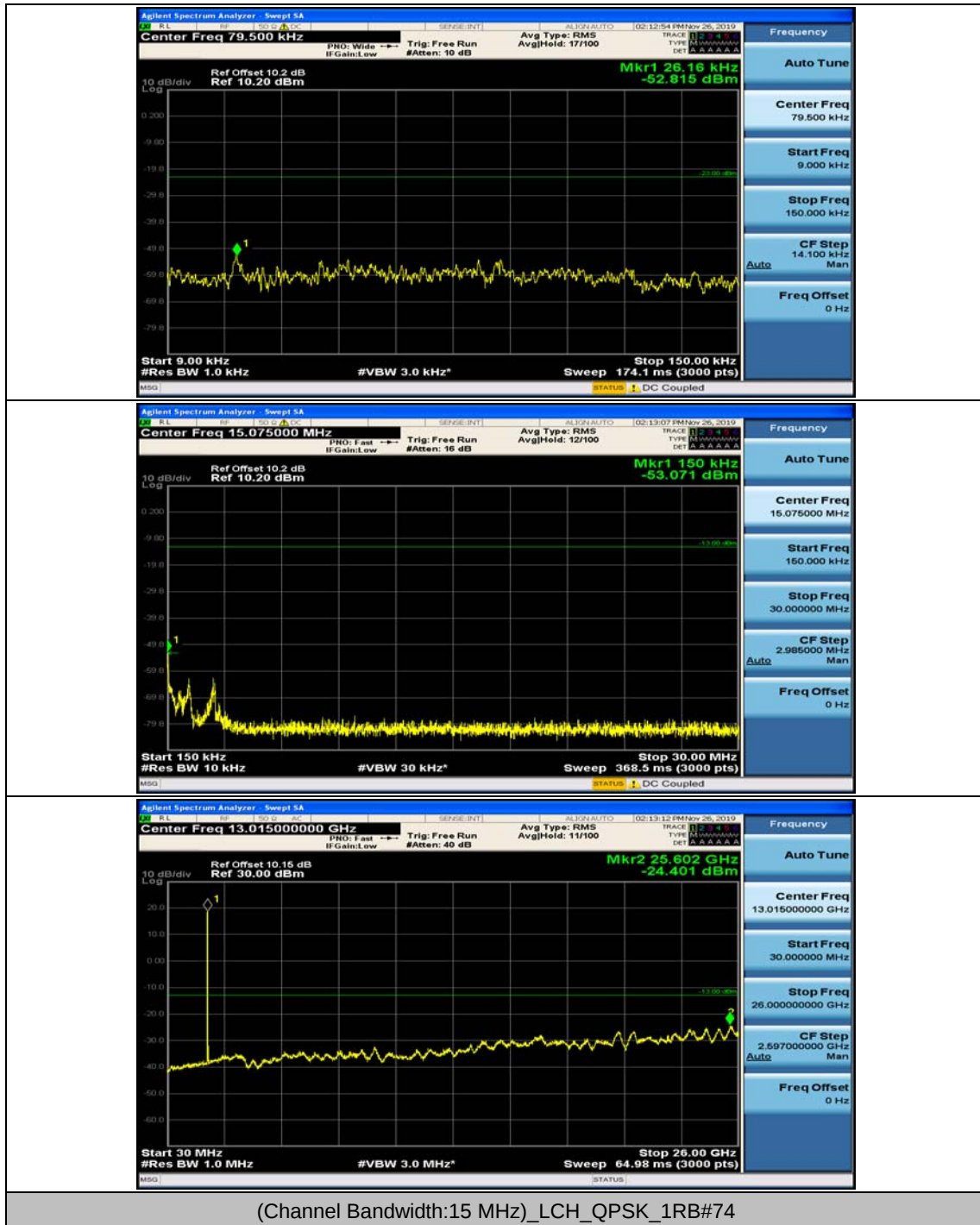
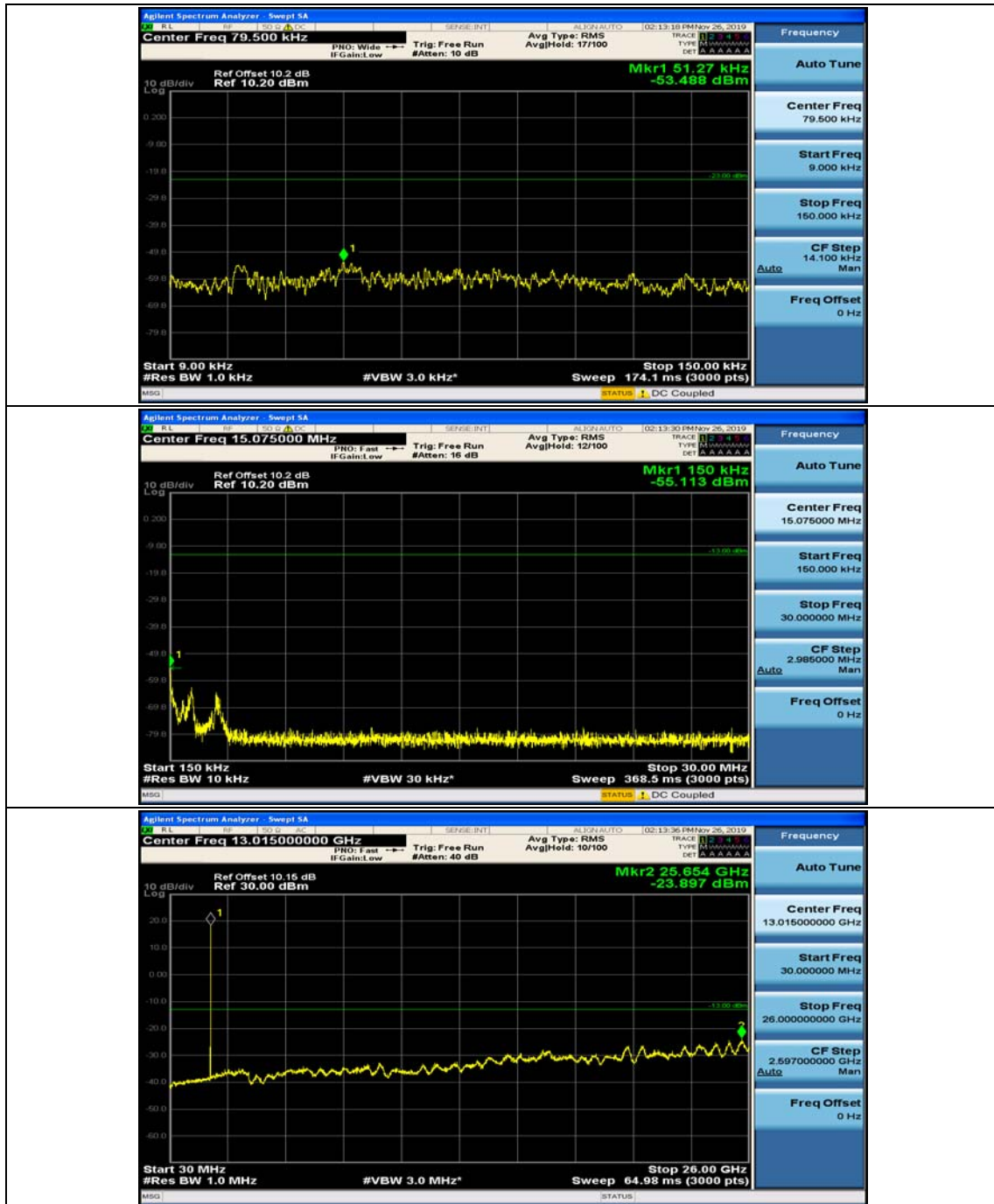
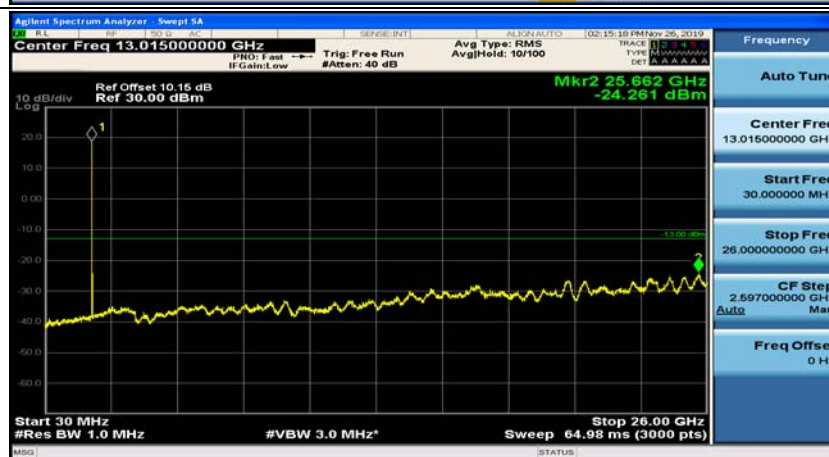
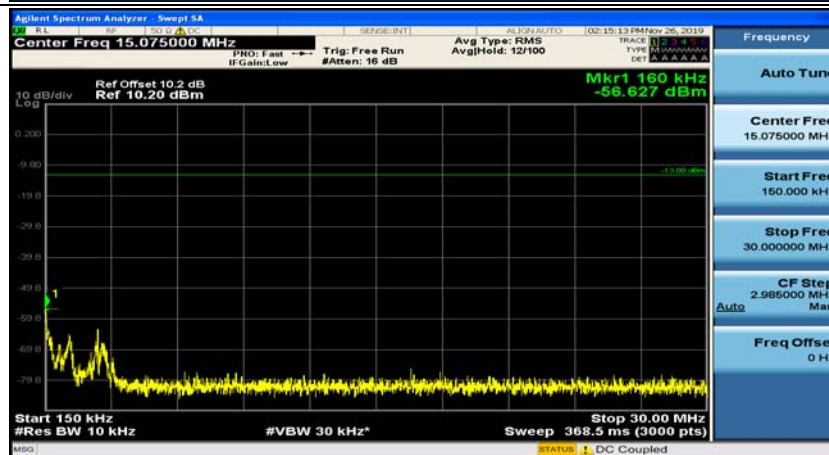


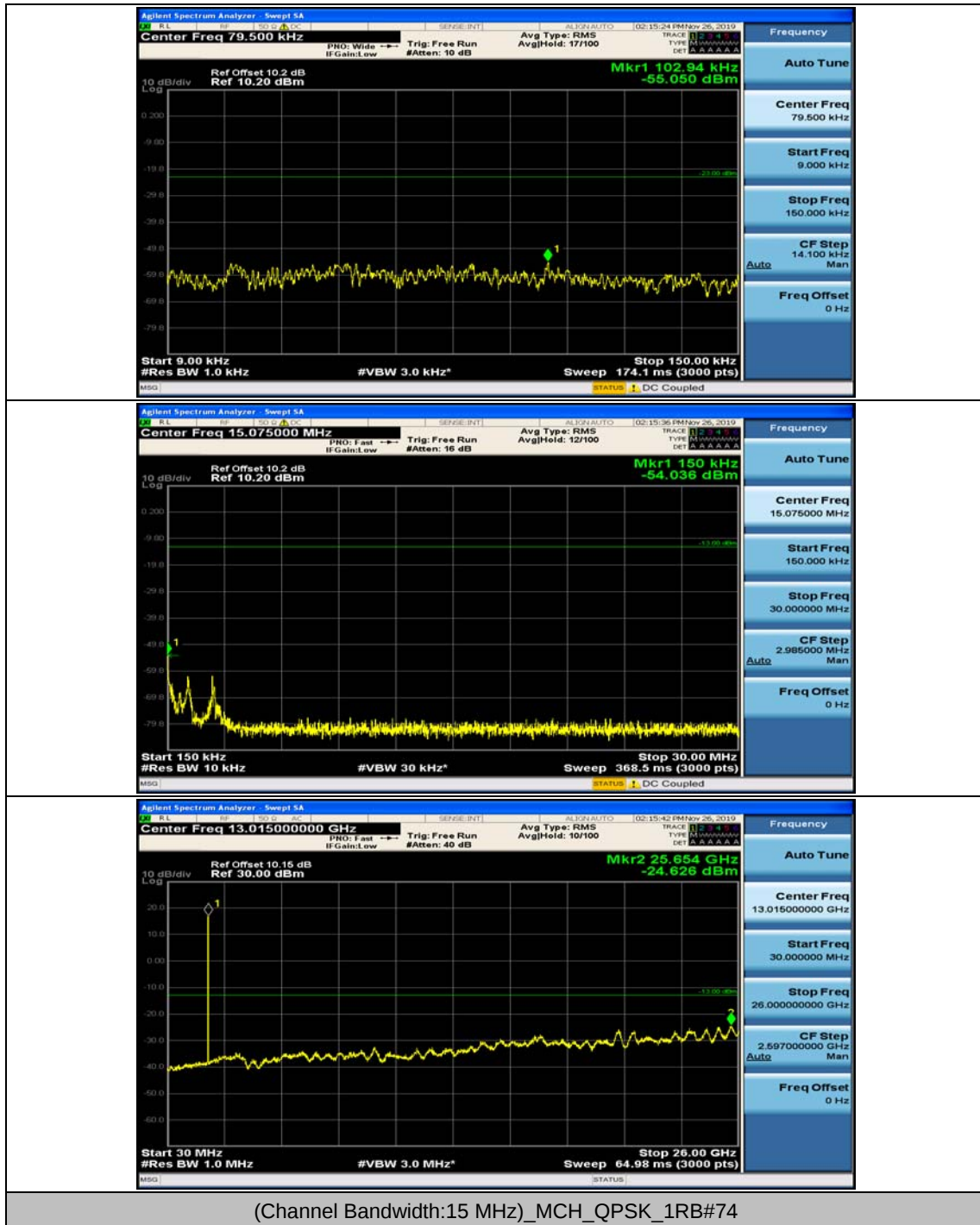


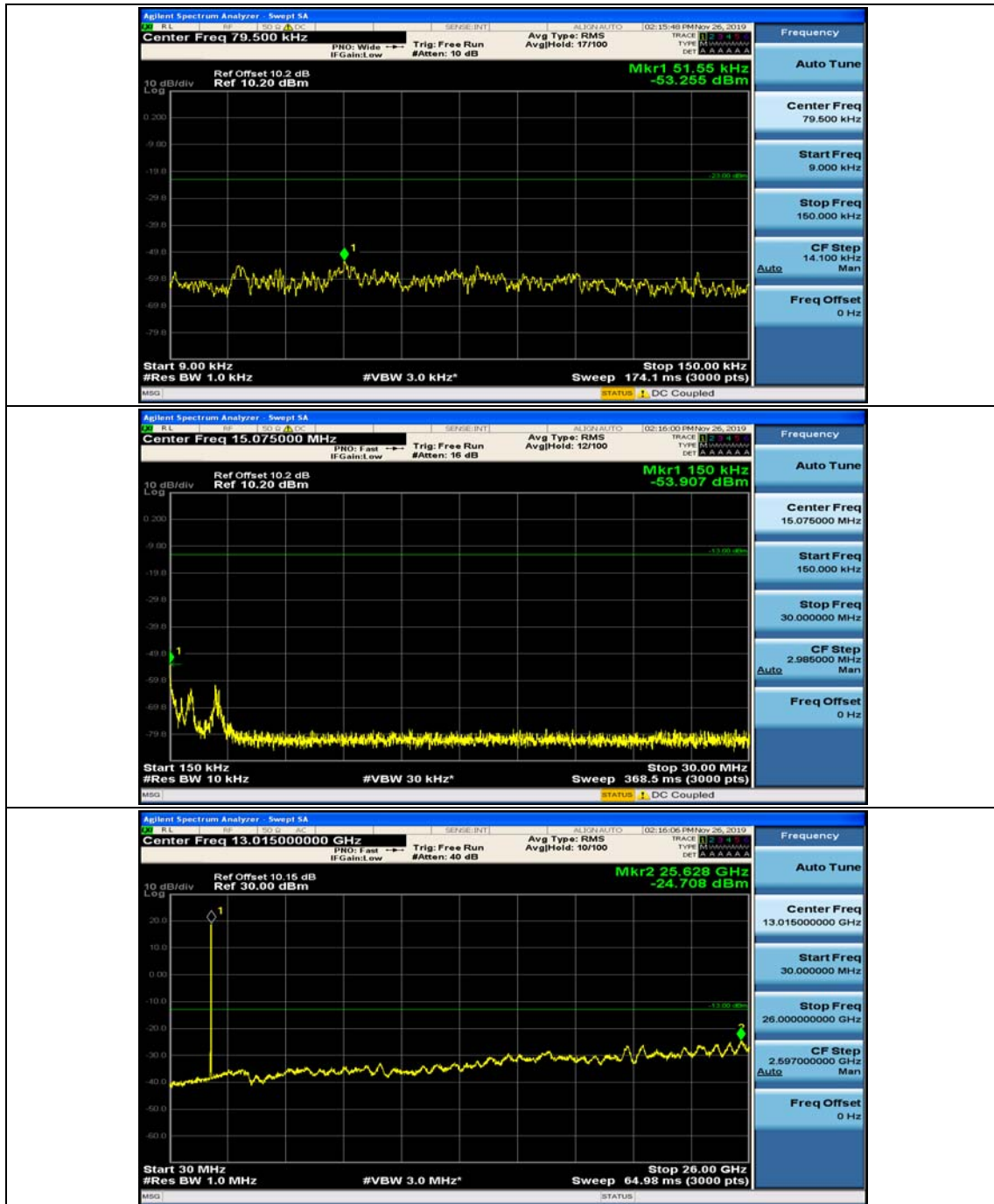


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

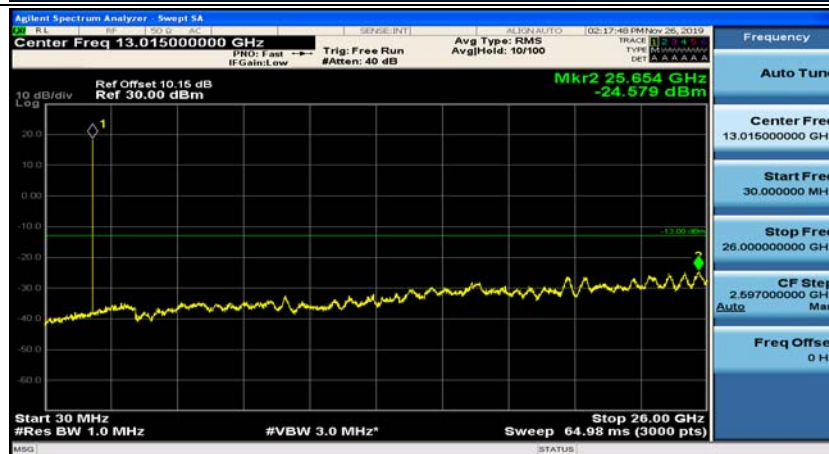
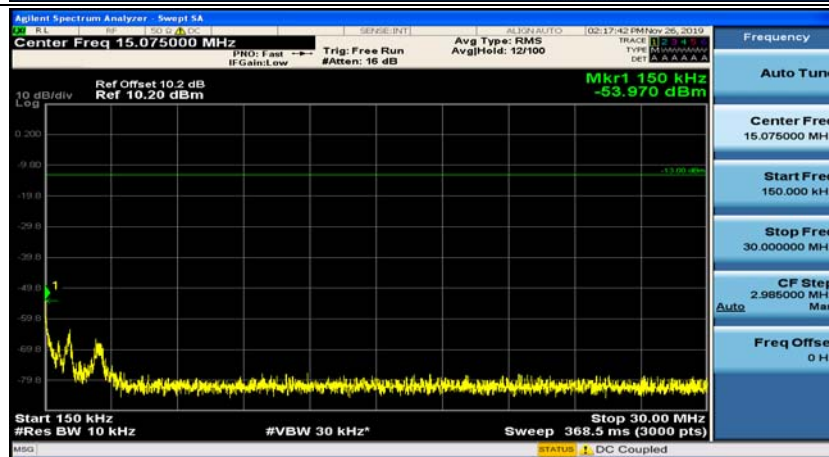
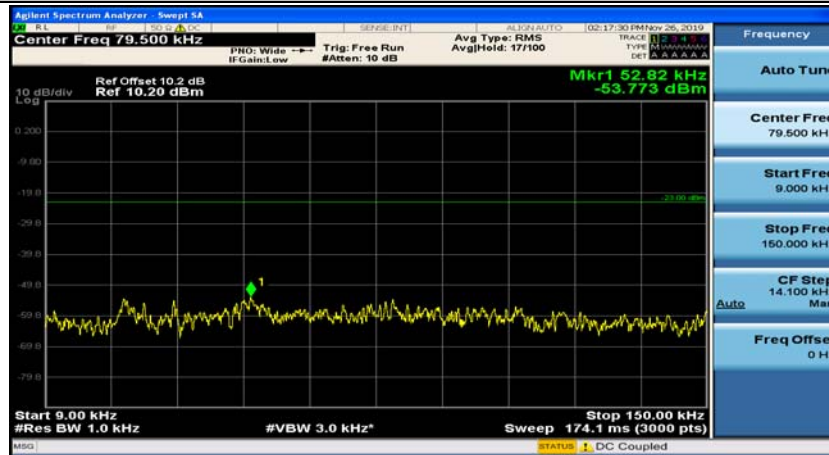


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

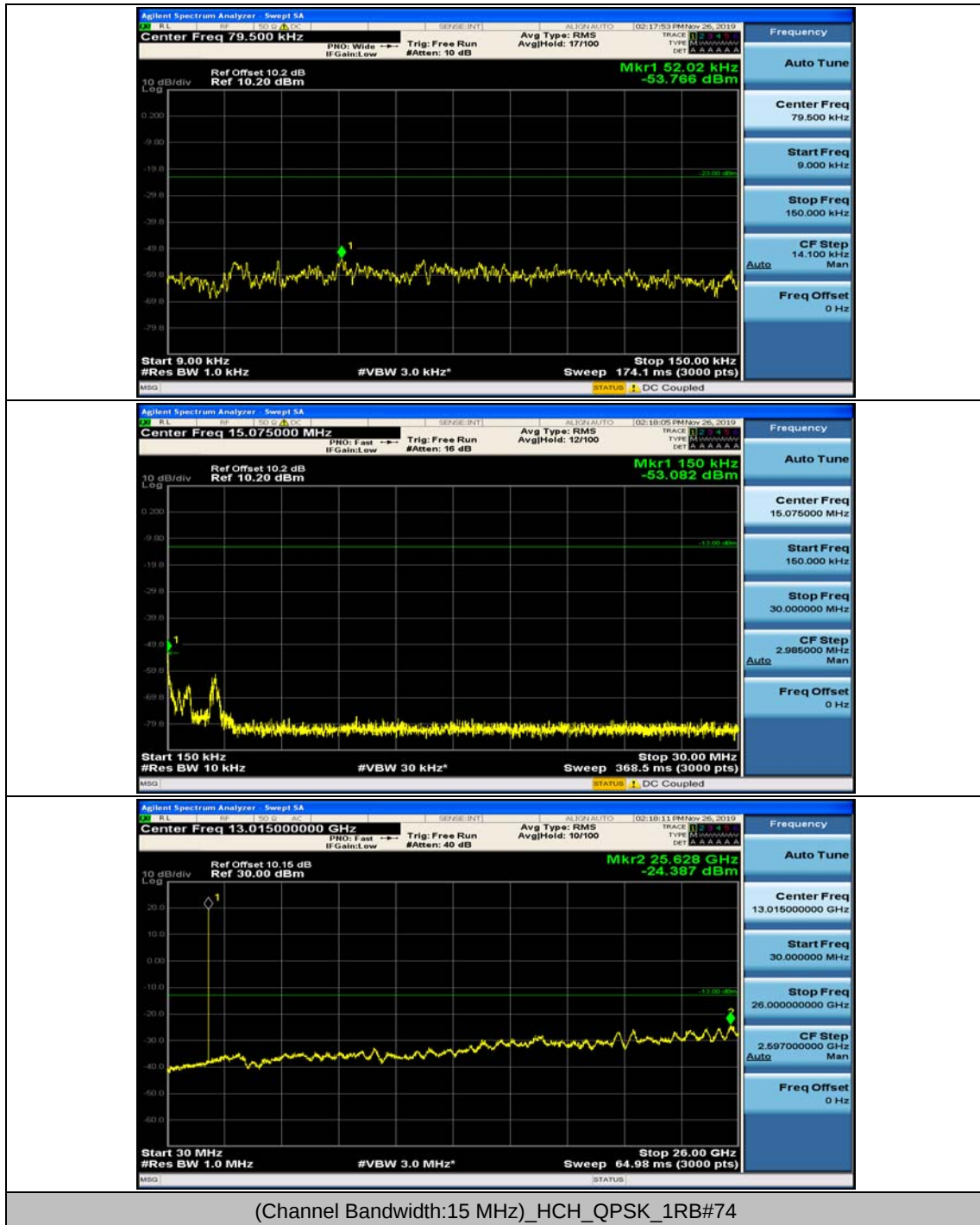


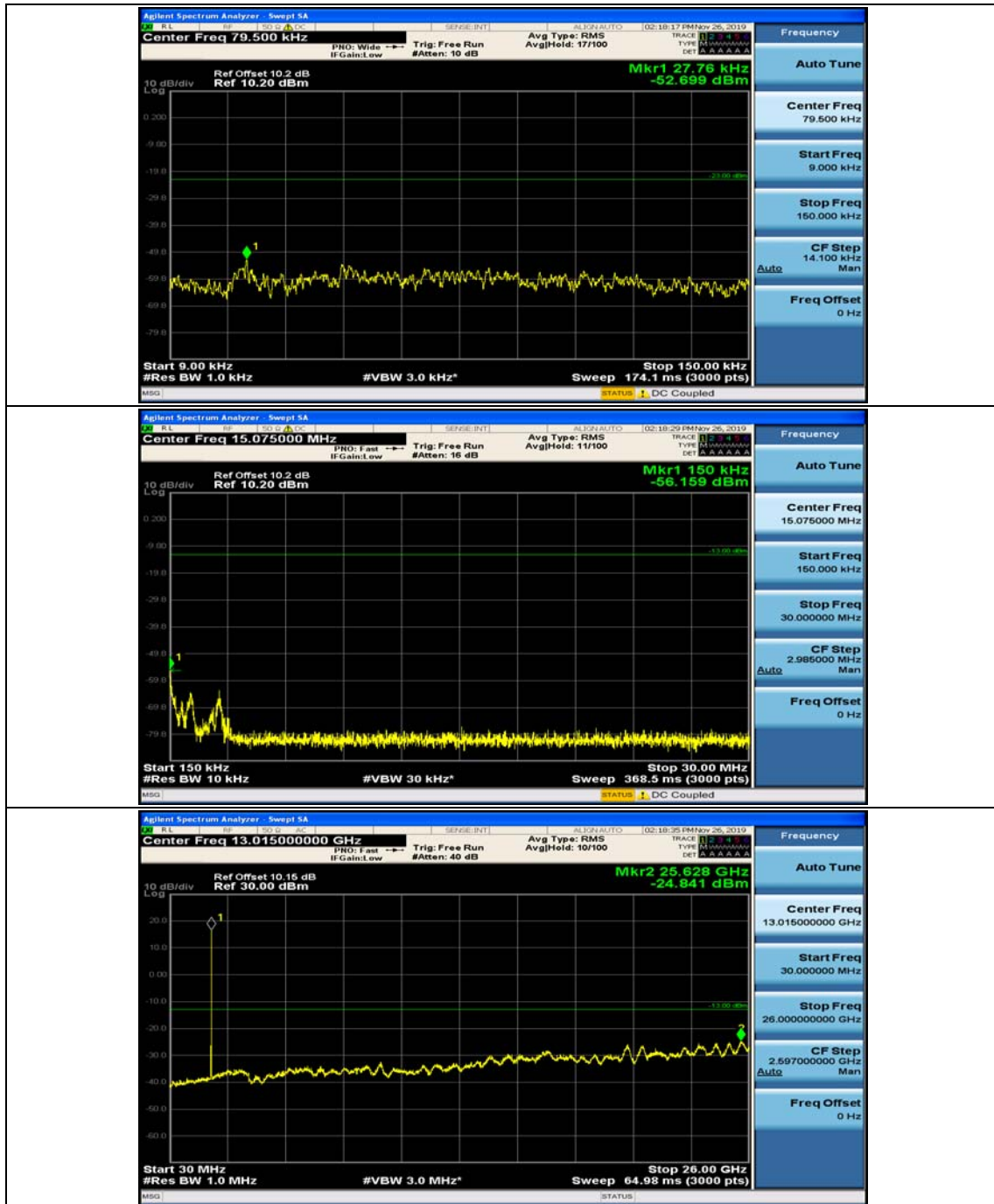


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

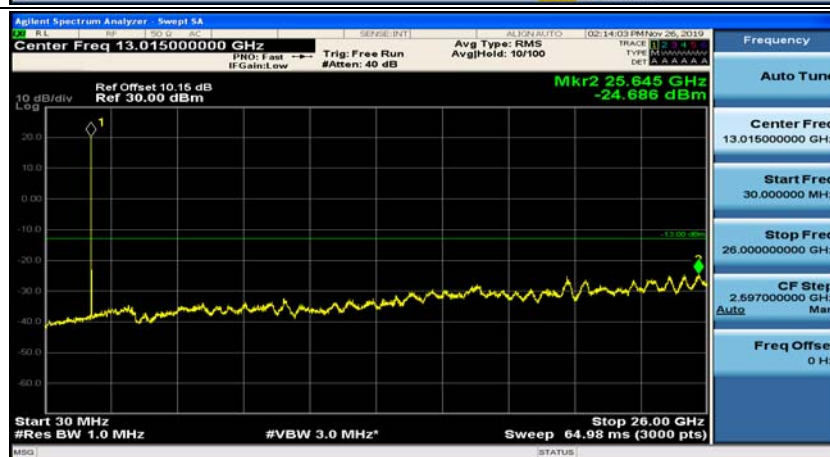
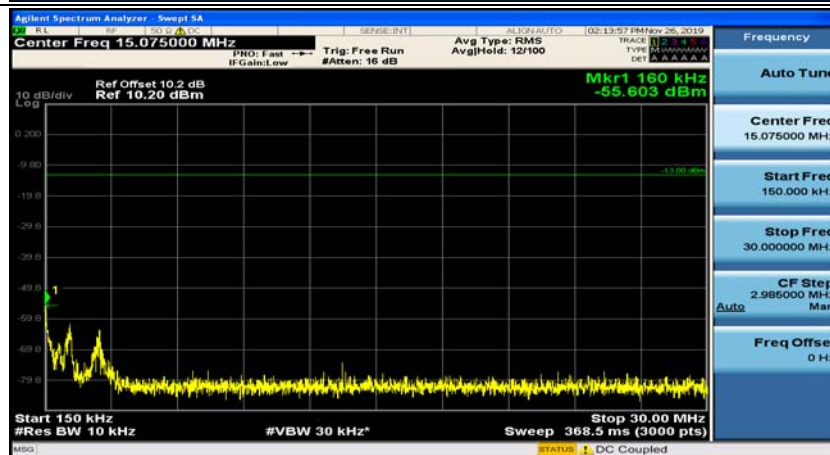
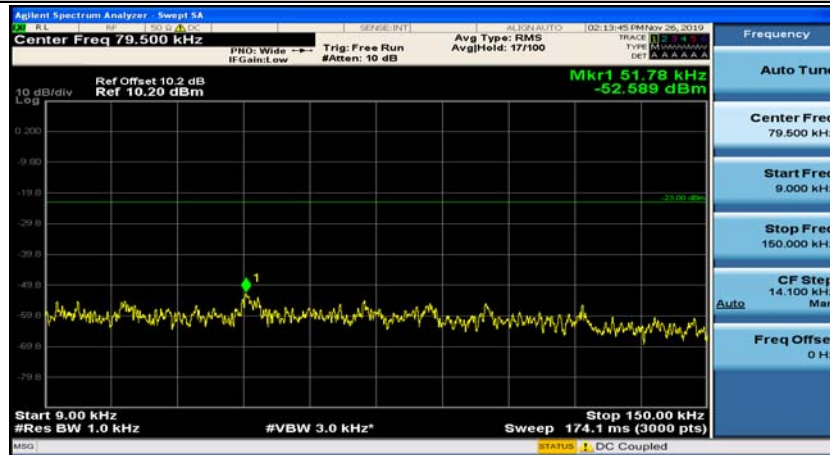


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

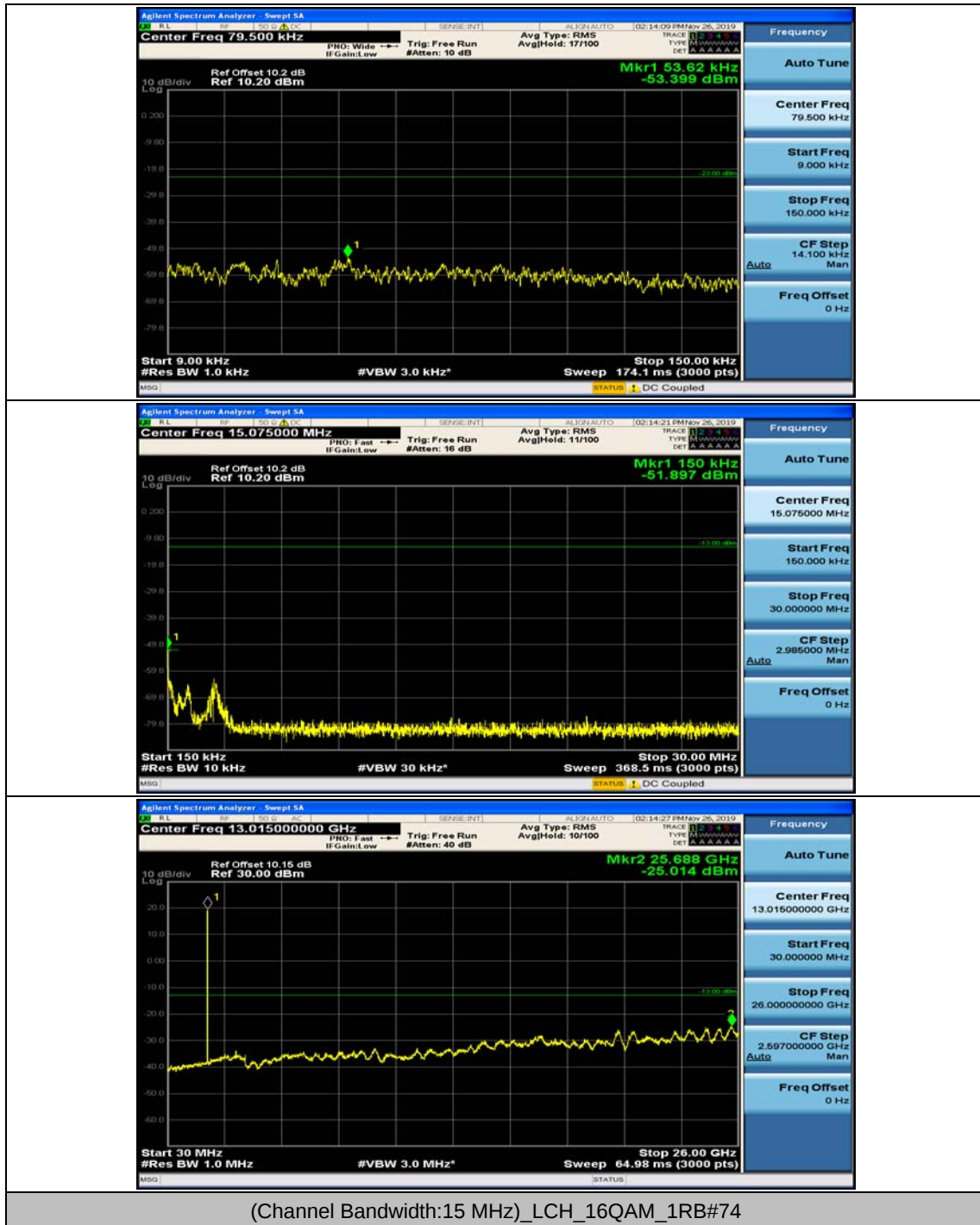


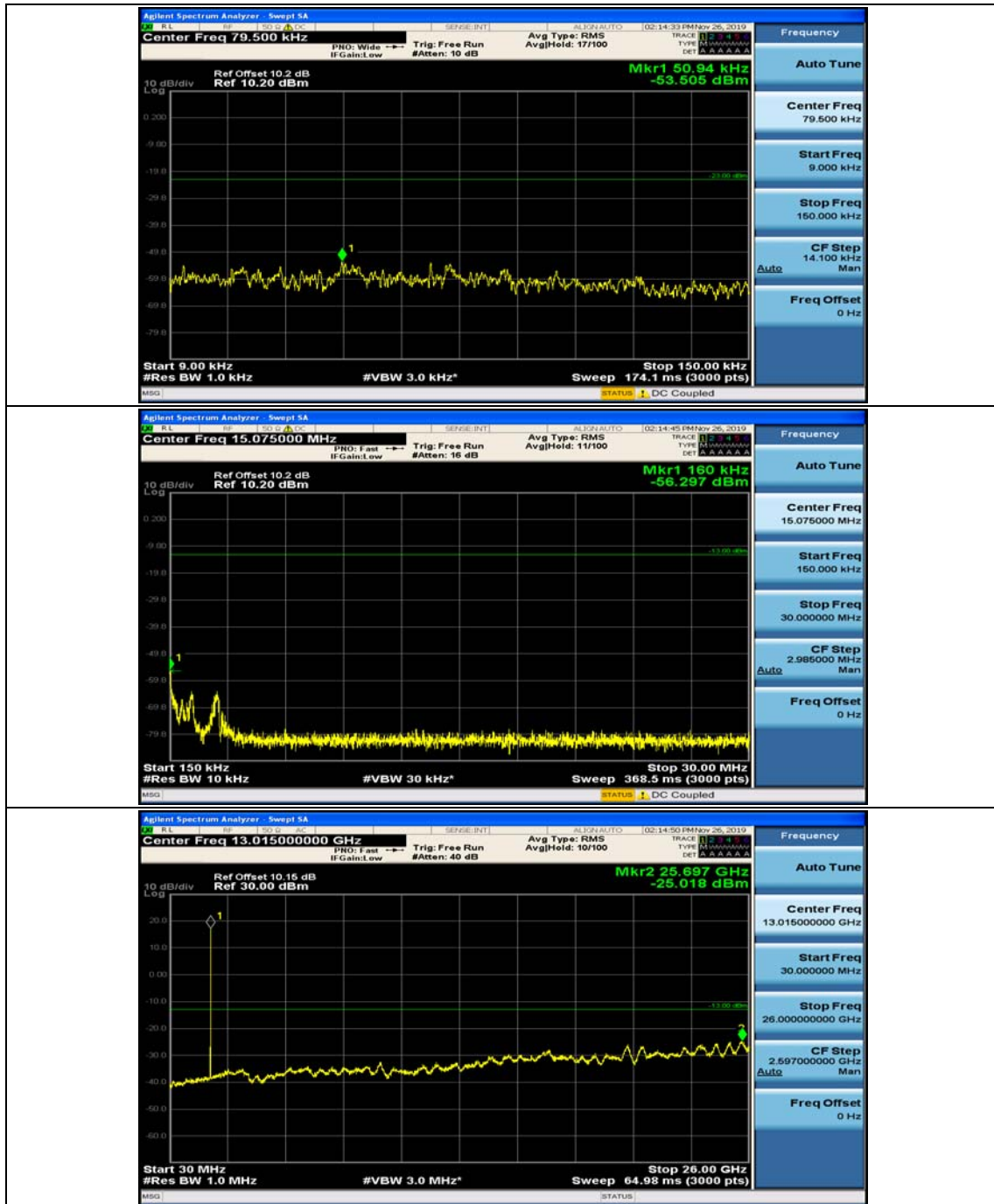


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

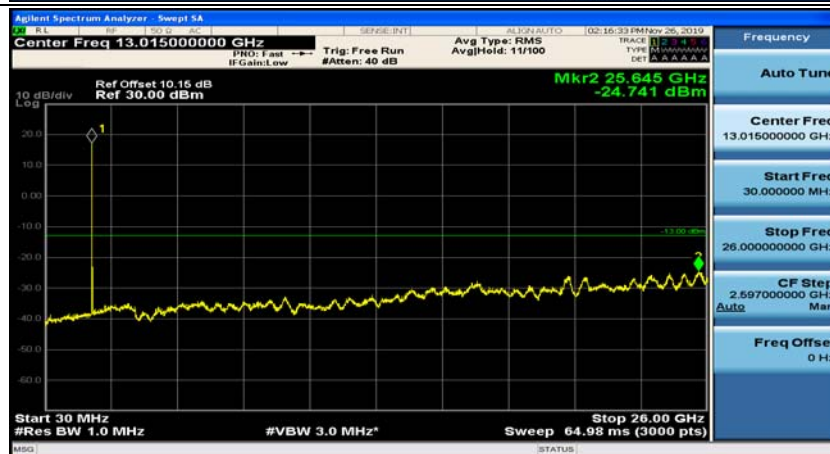
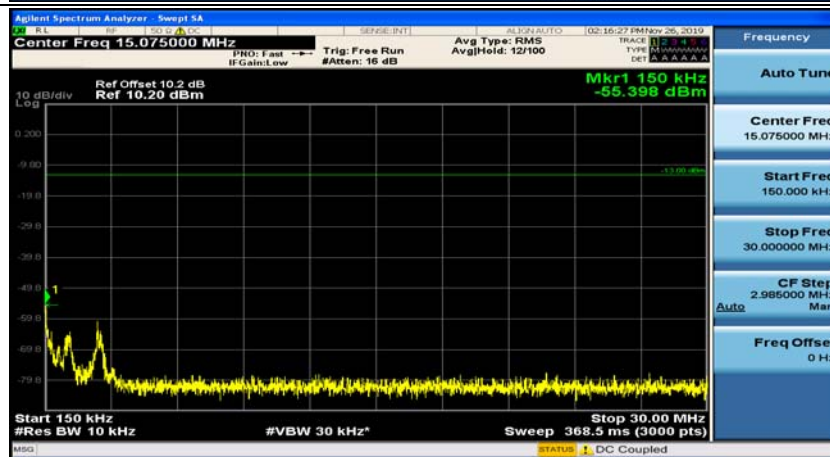


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

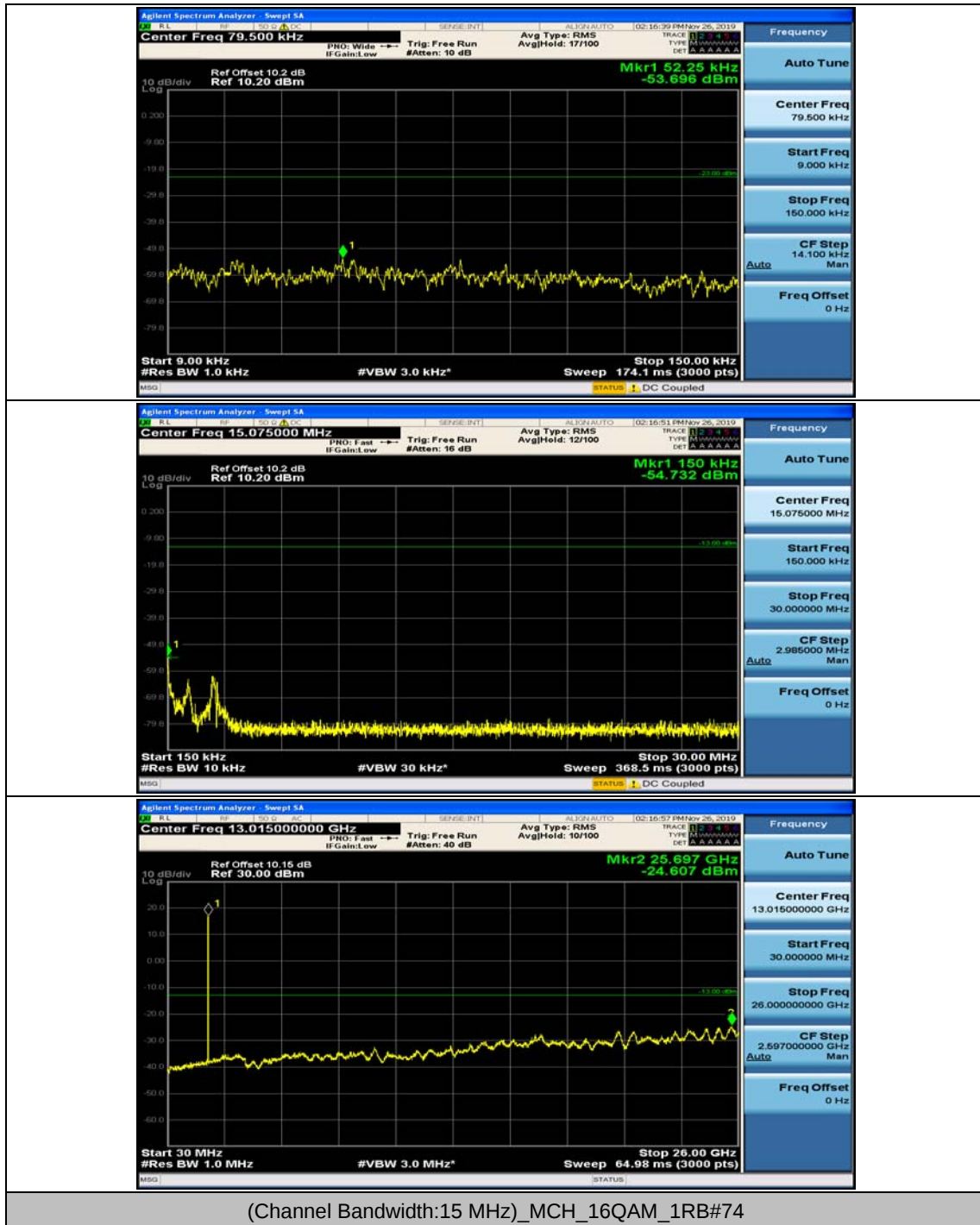


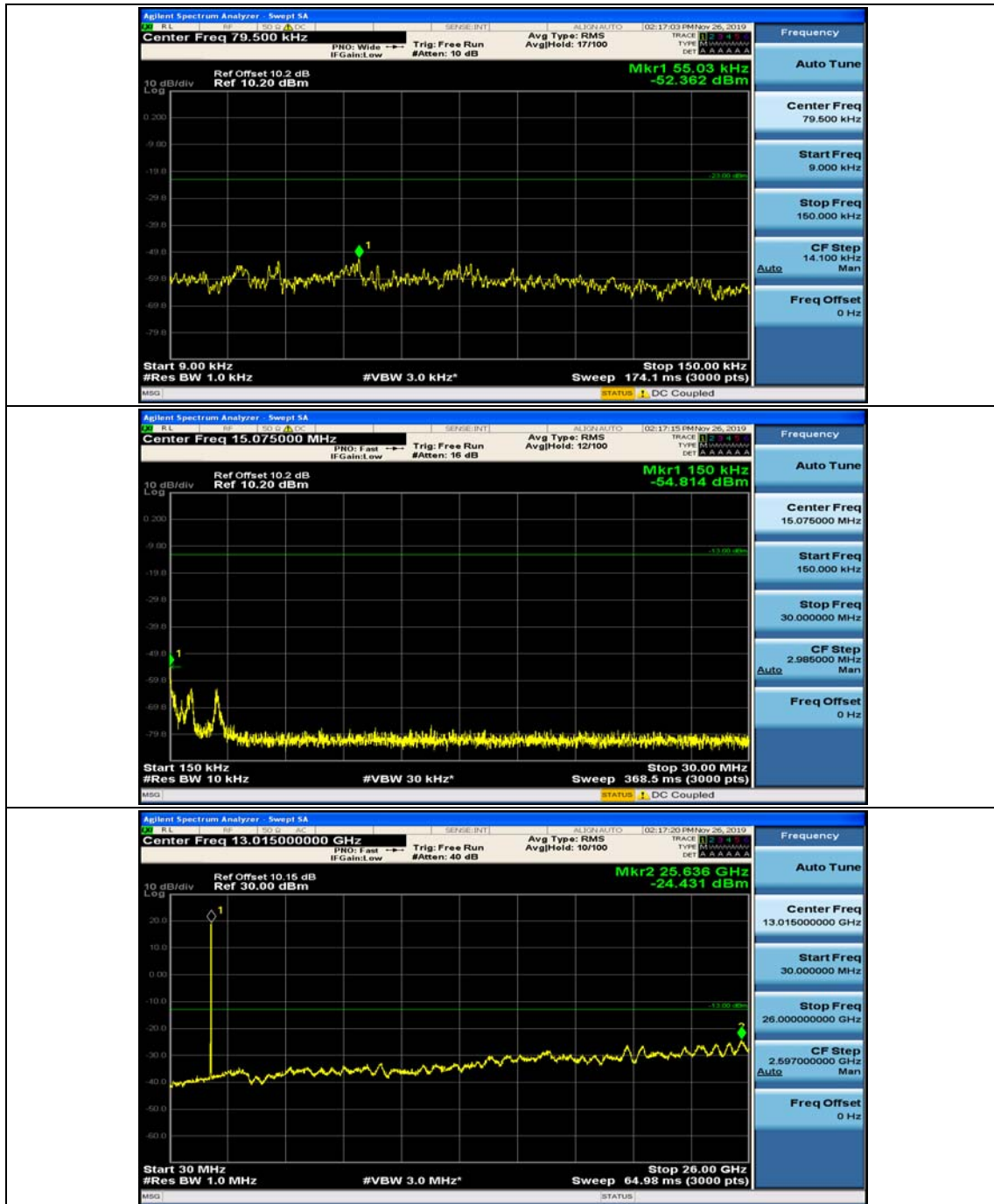


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

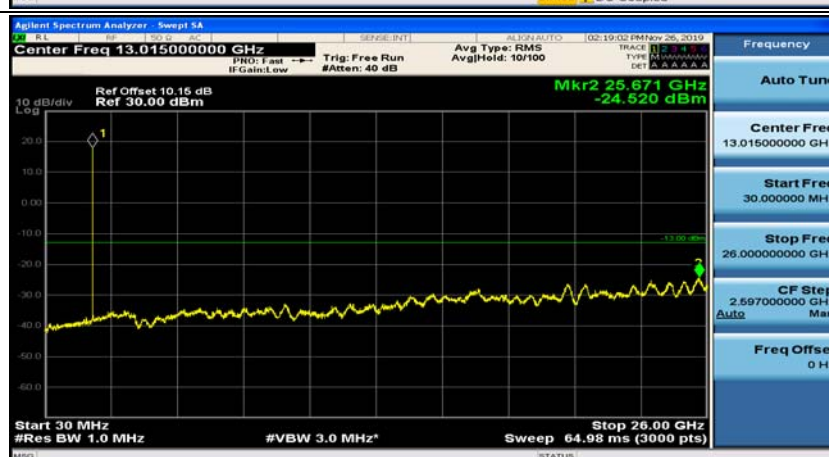
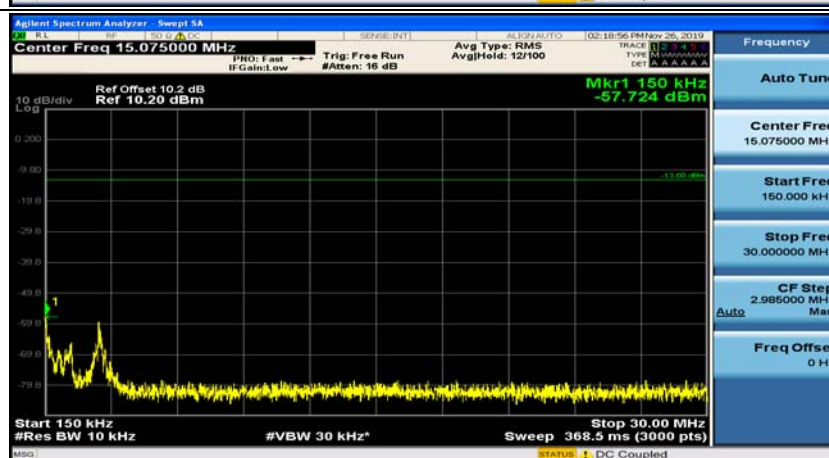
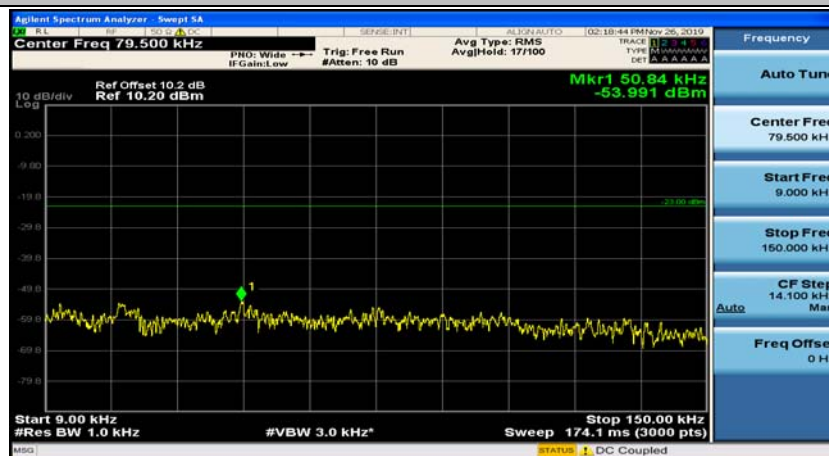


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

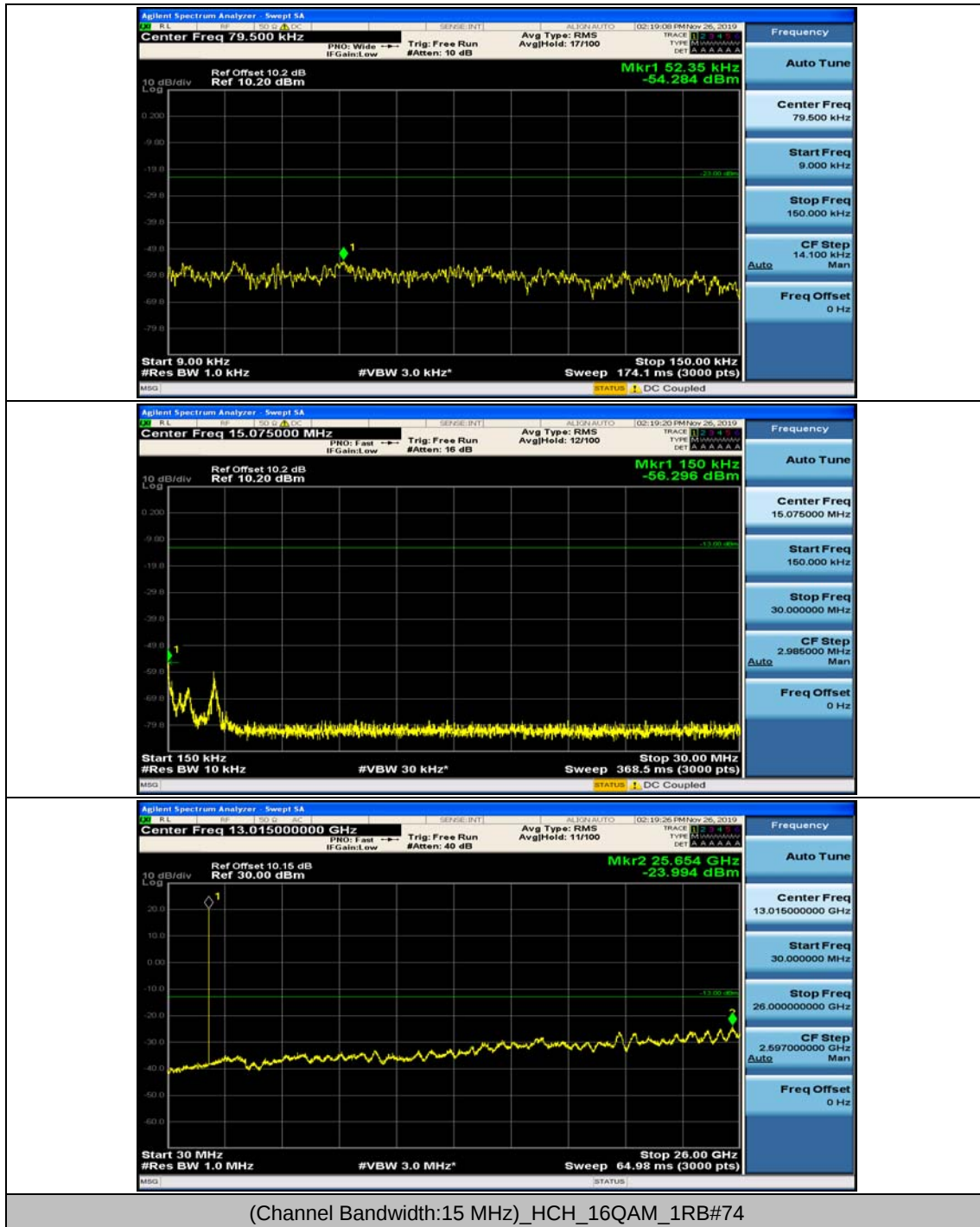


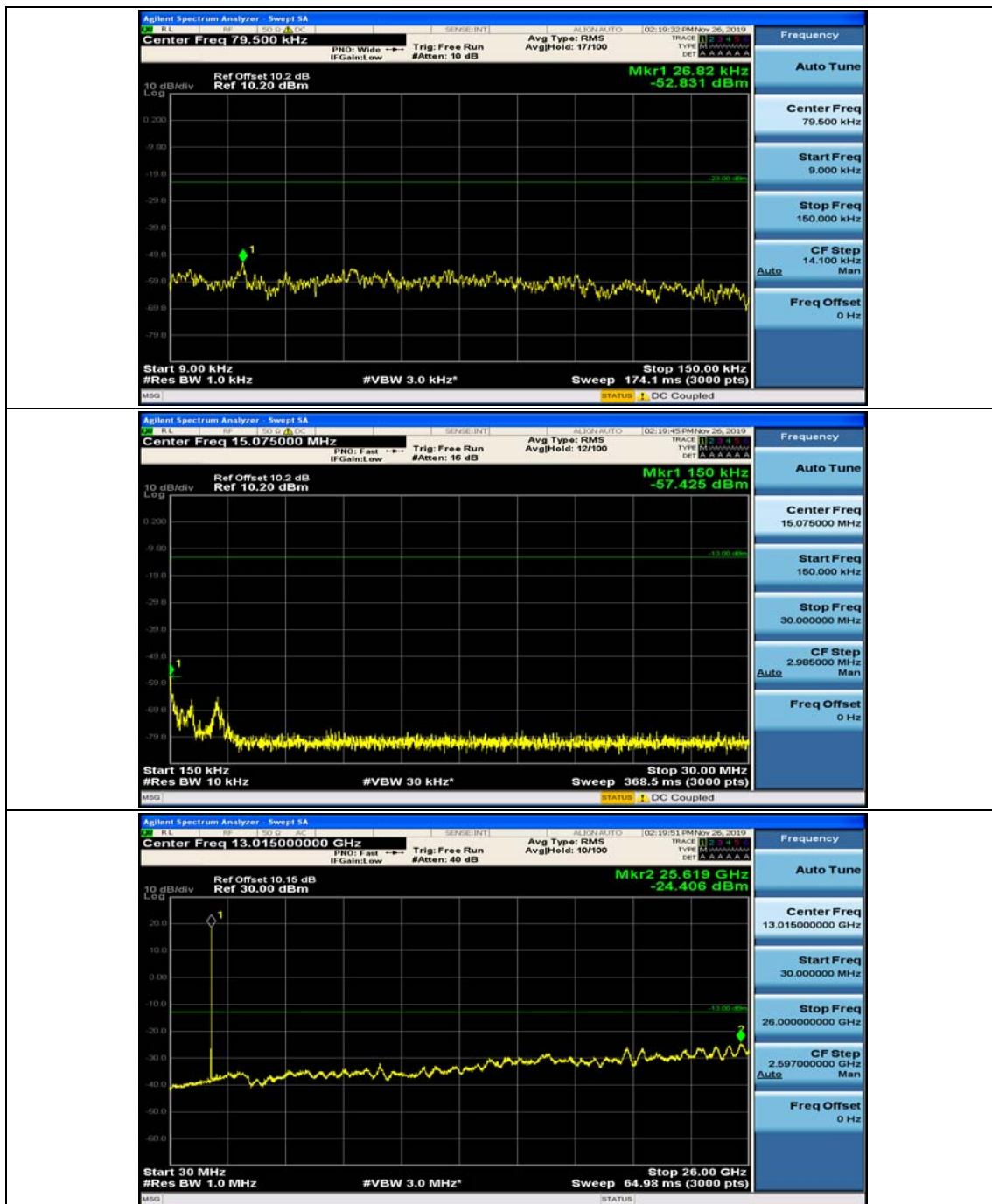


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

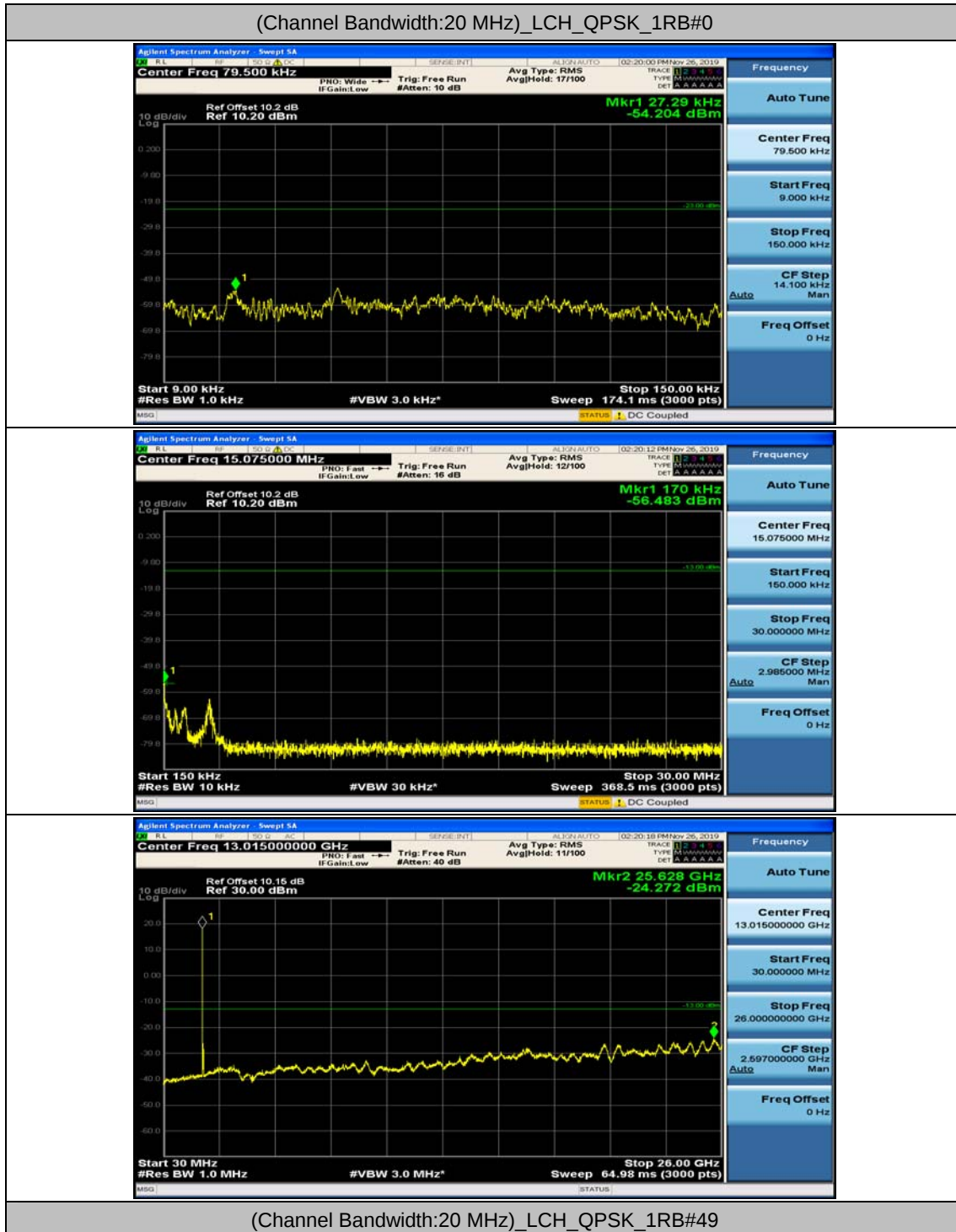


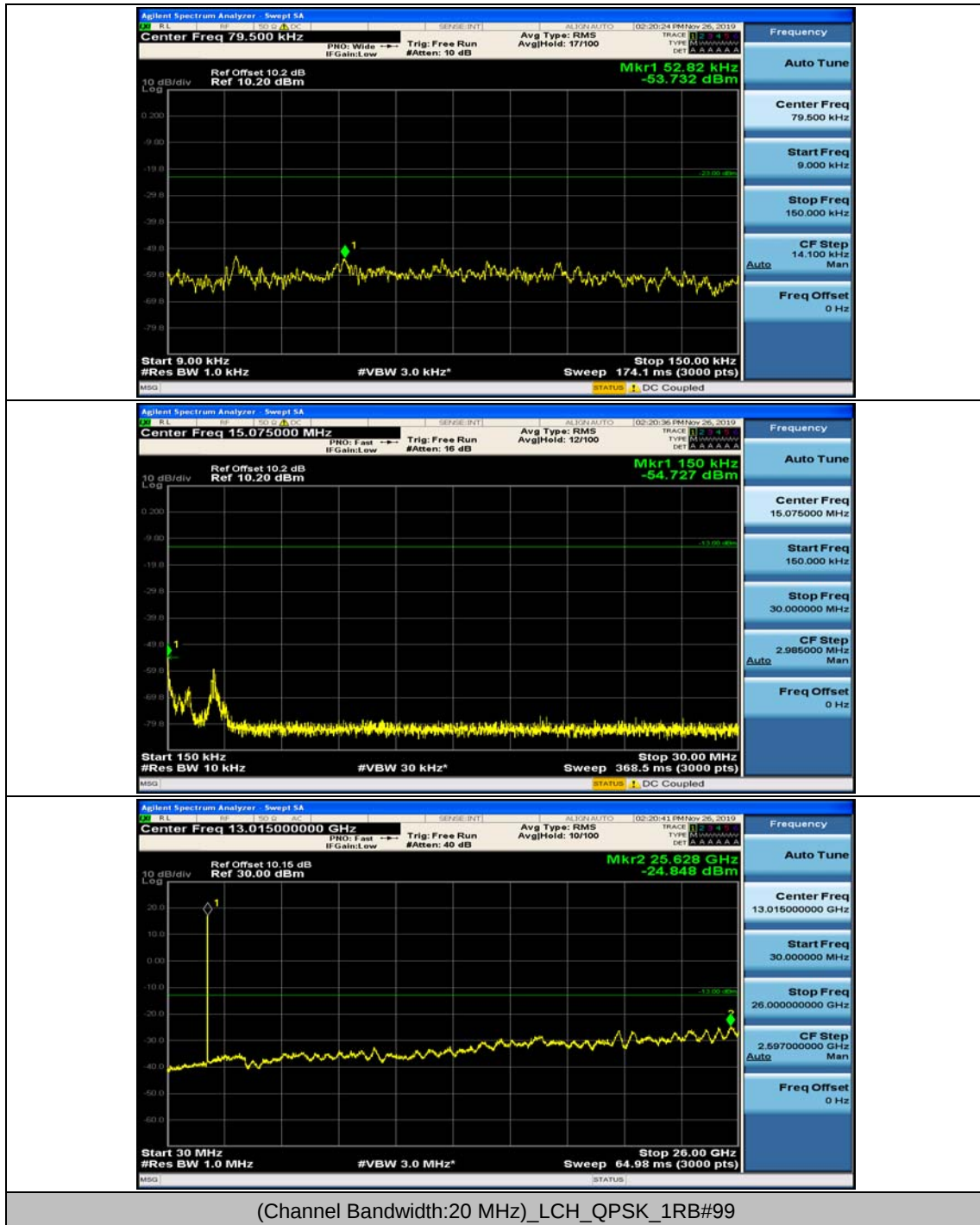
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

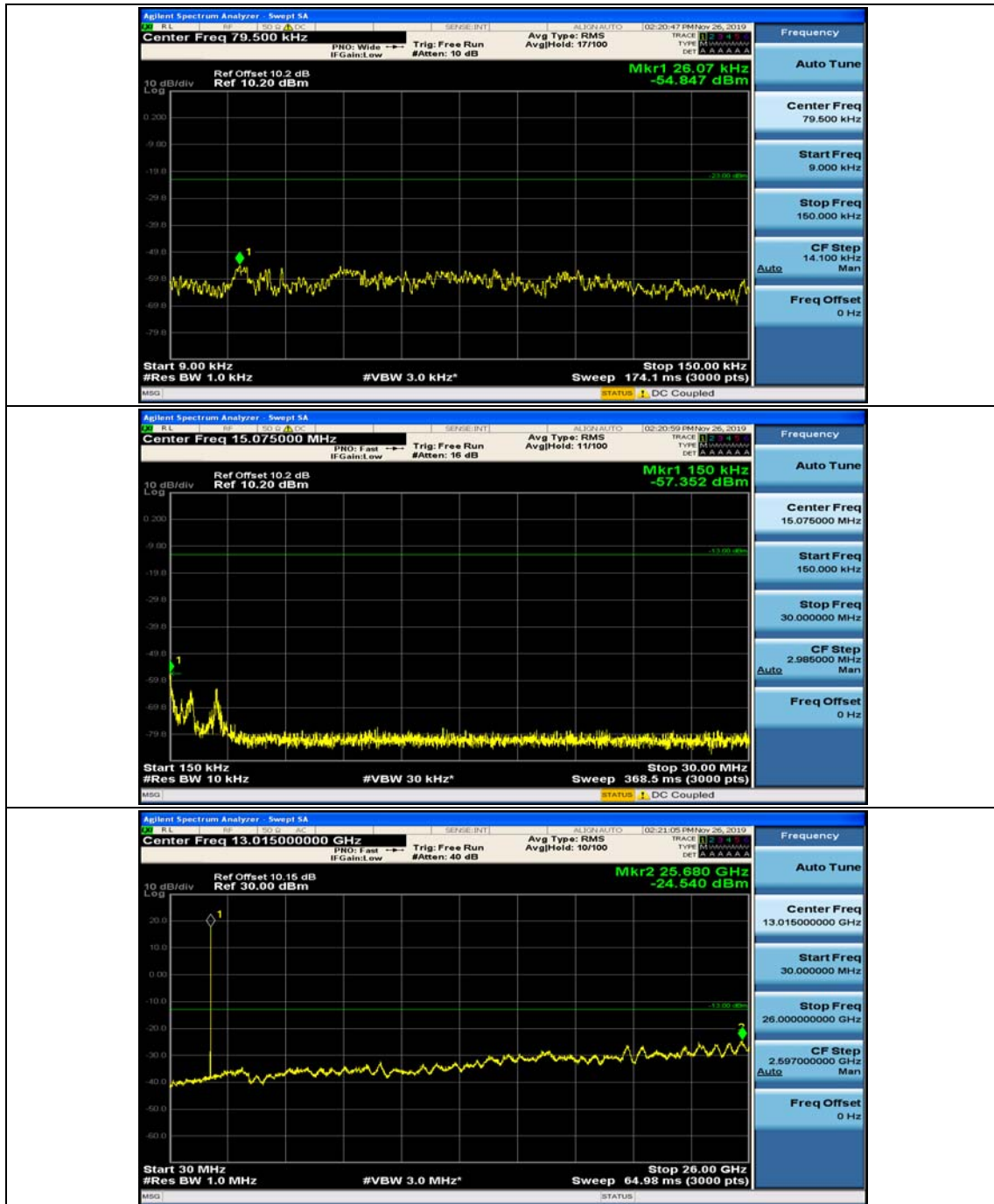




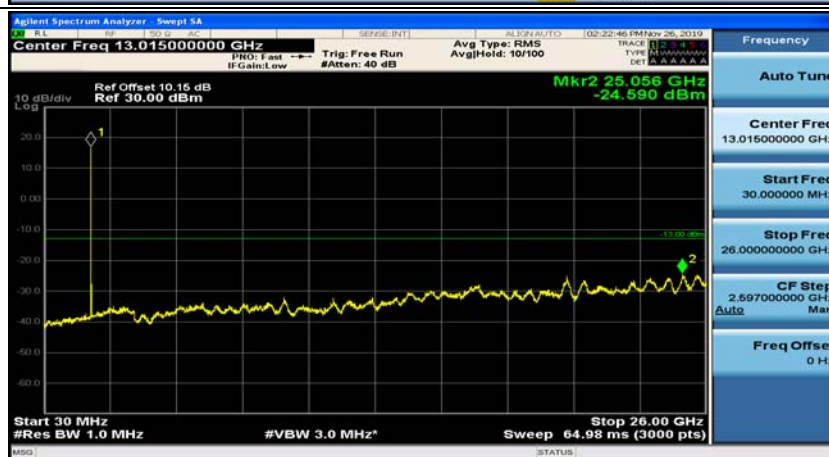
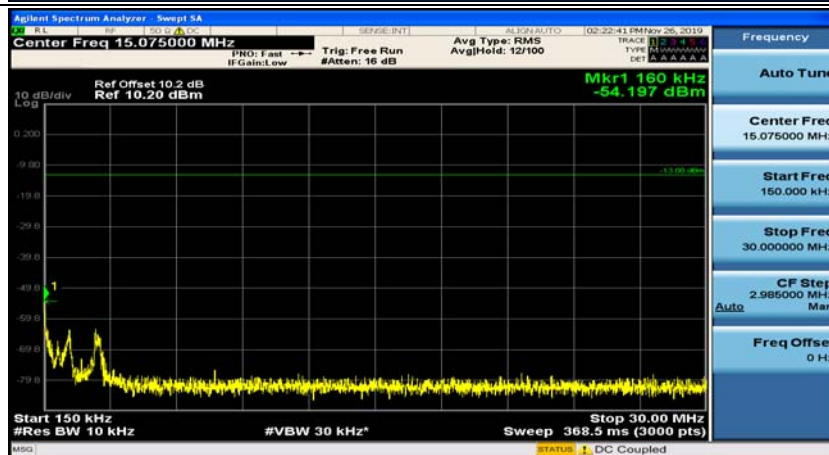
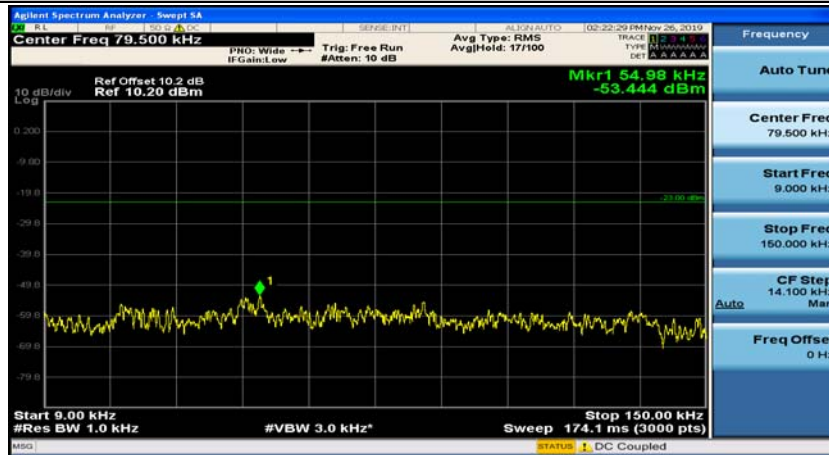
Channel Bandwidth: 20 MHz



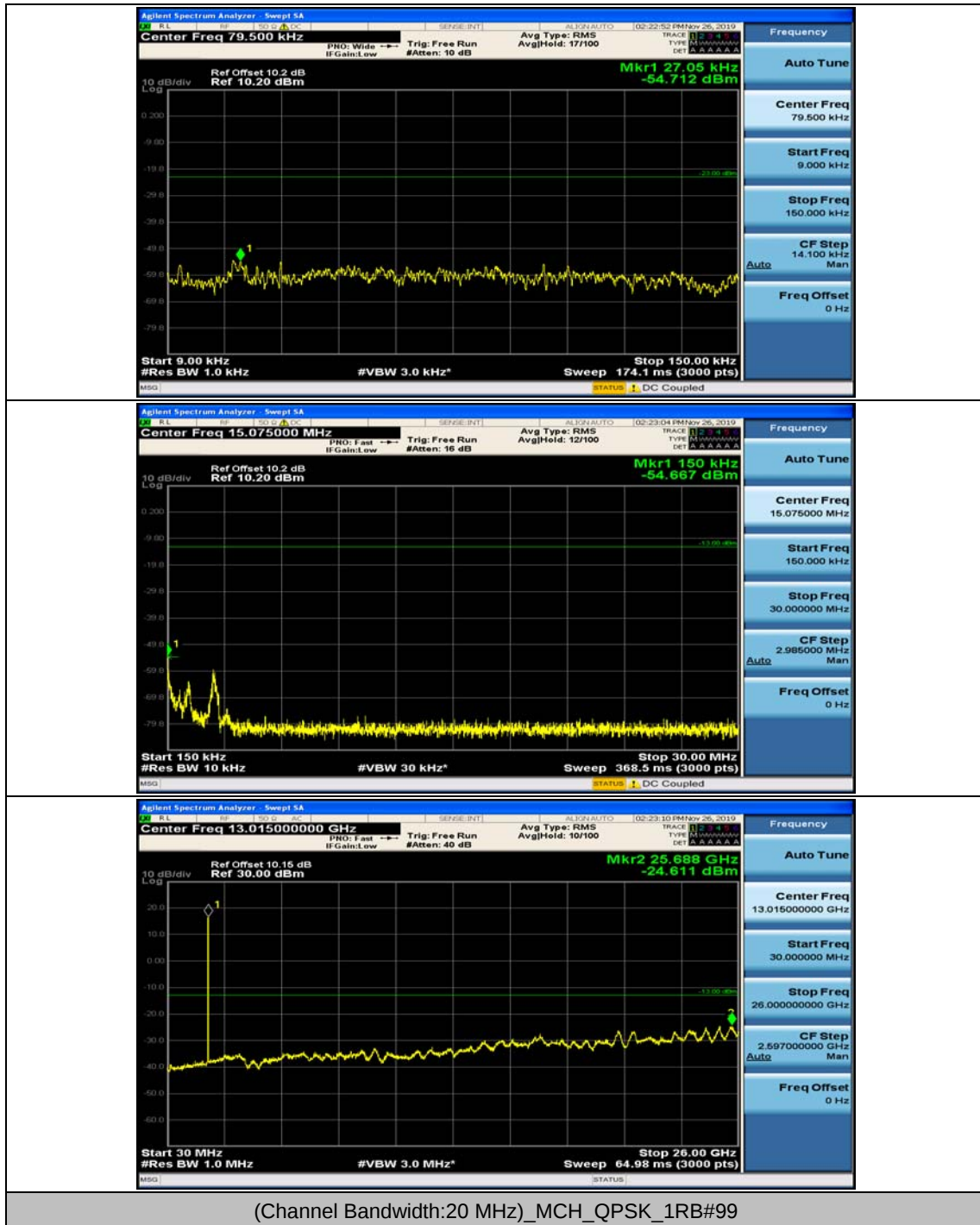


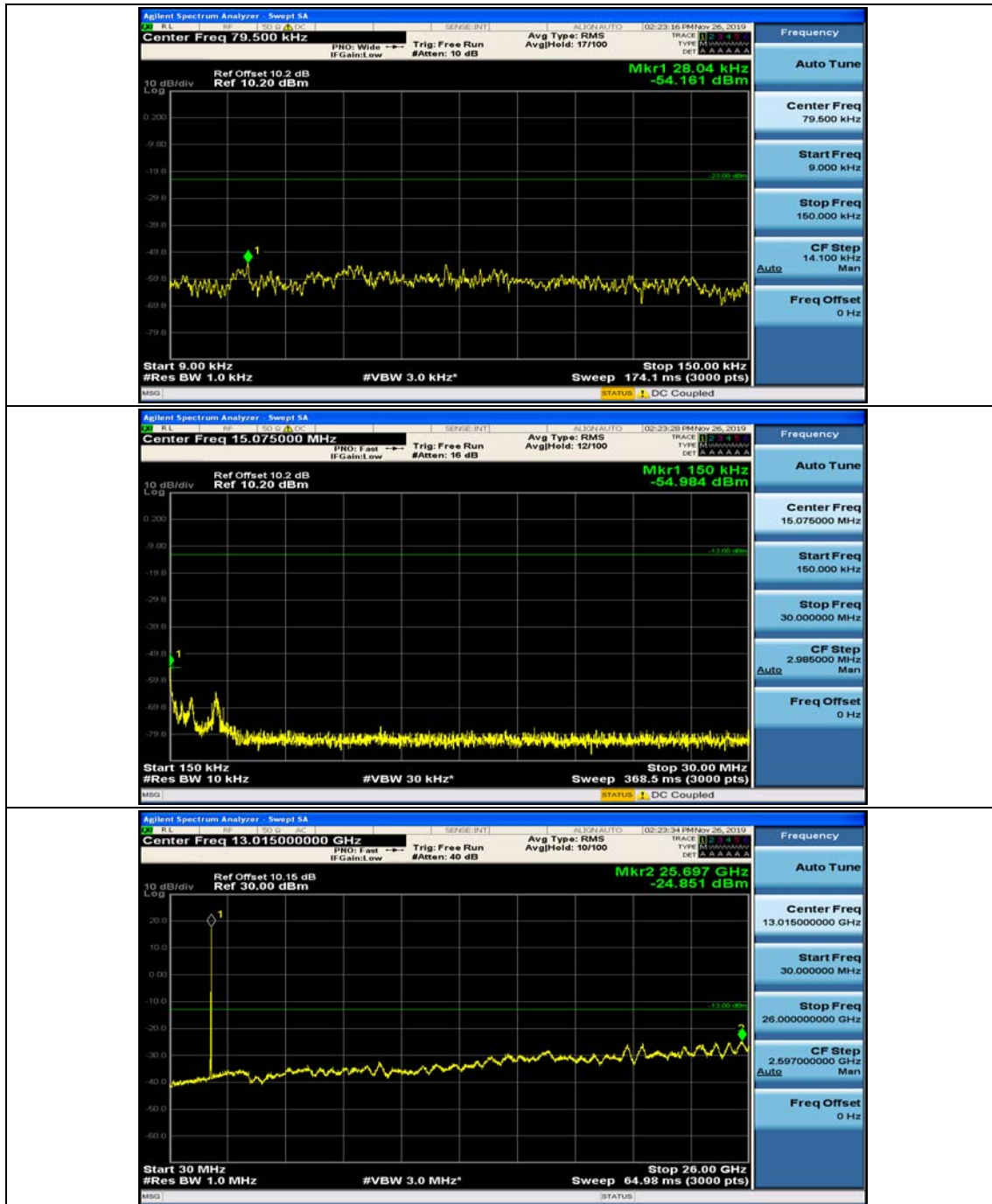


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

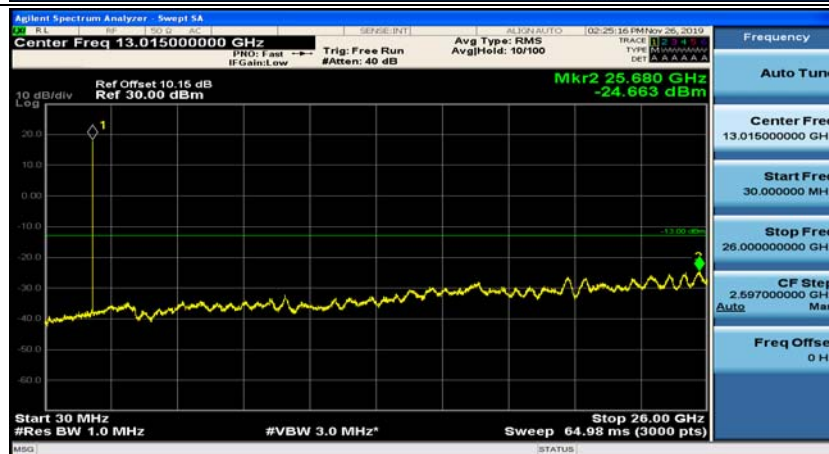
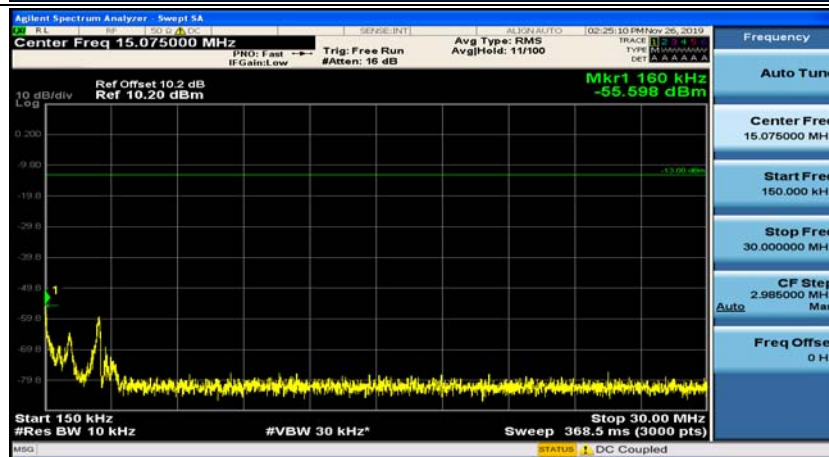
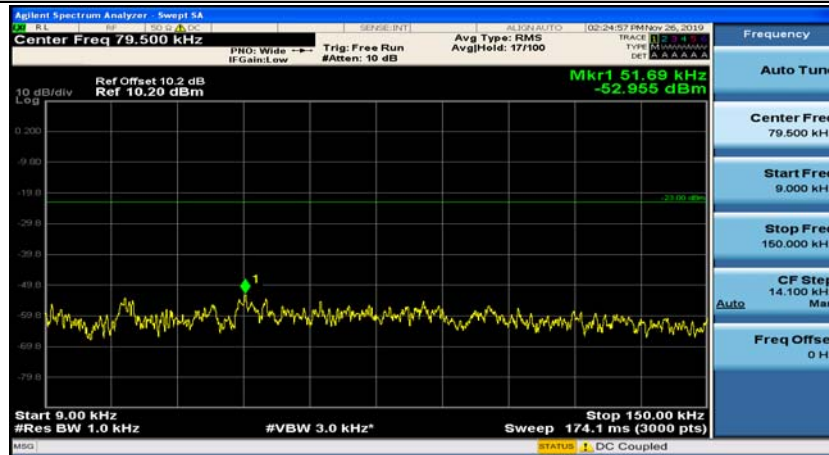


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

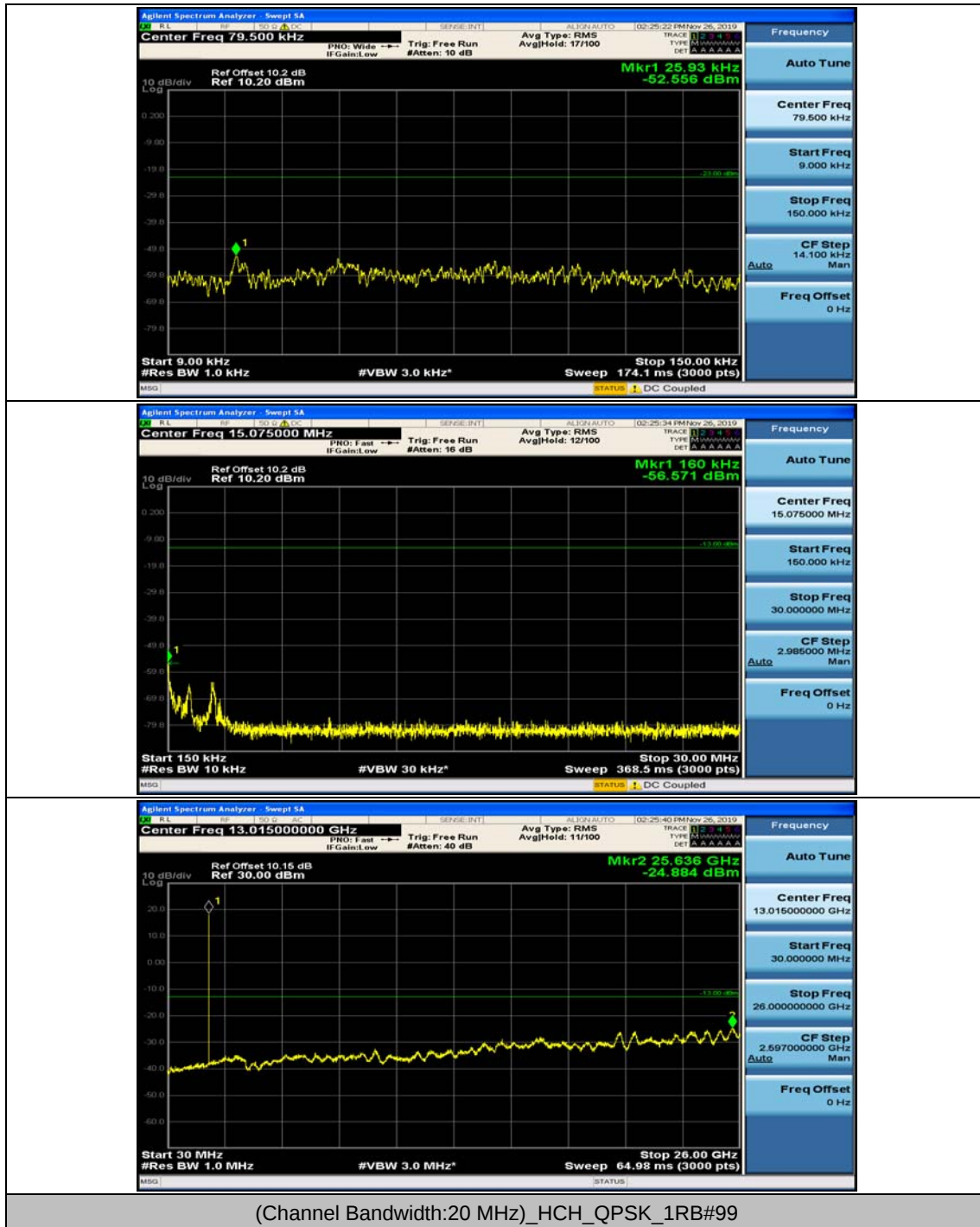


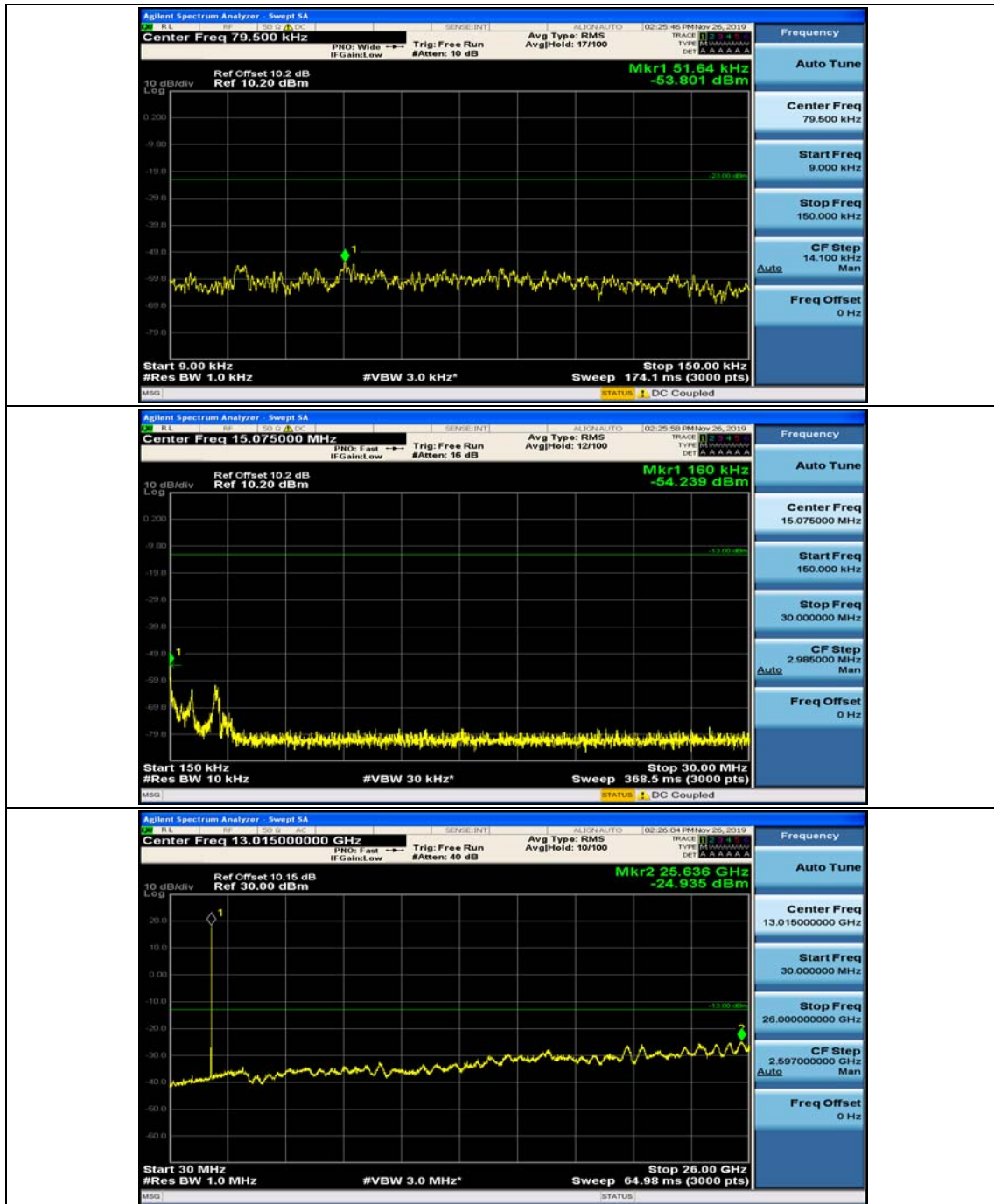


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

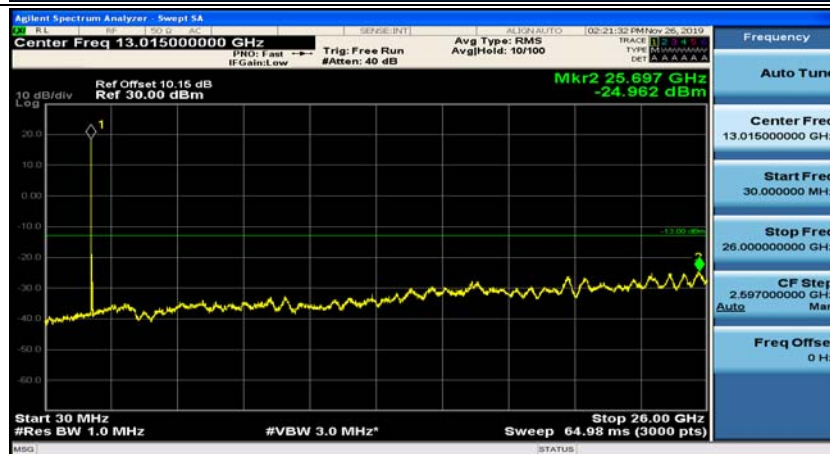
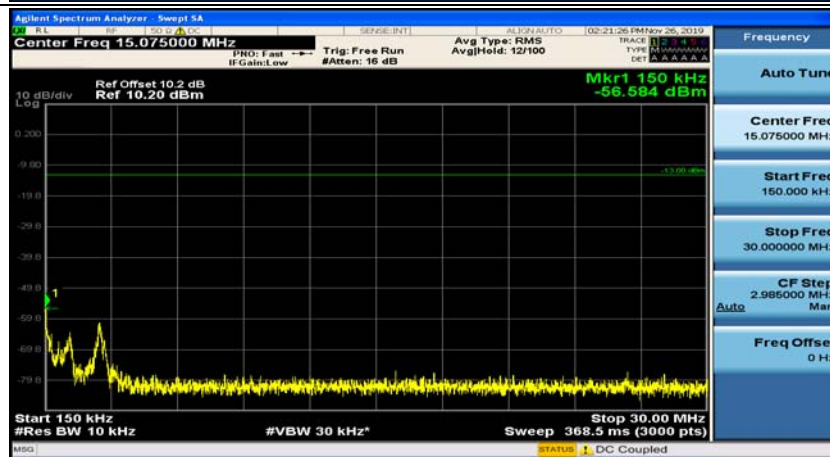


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

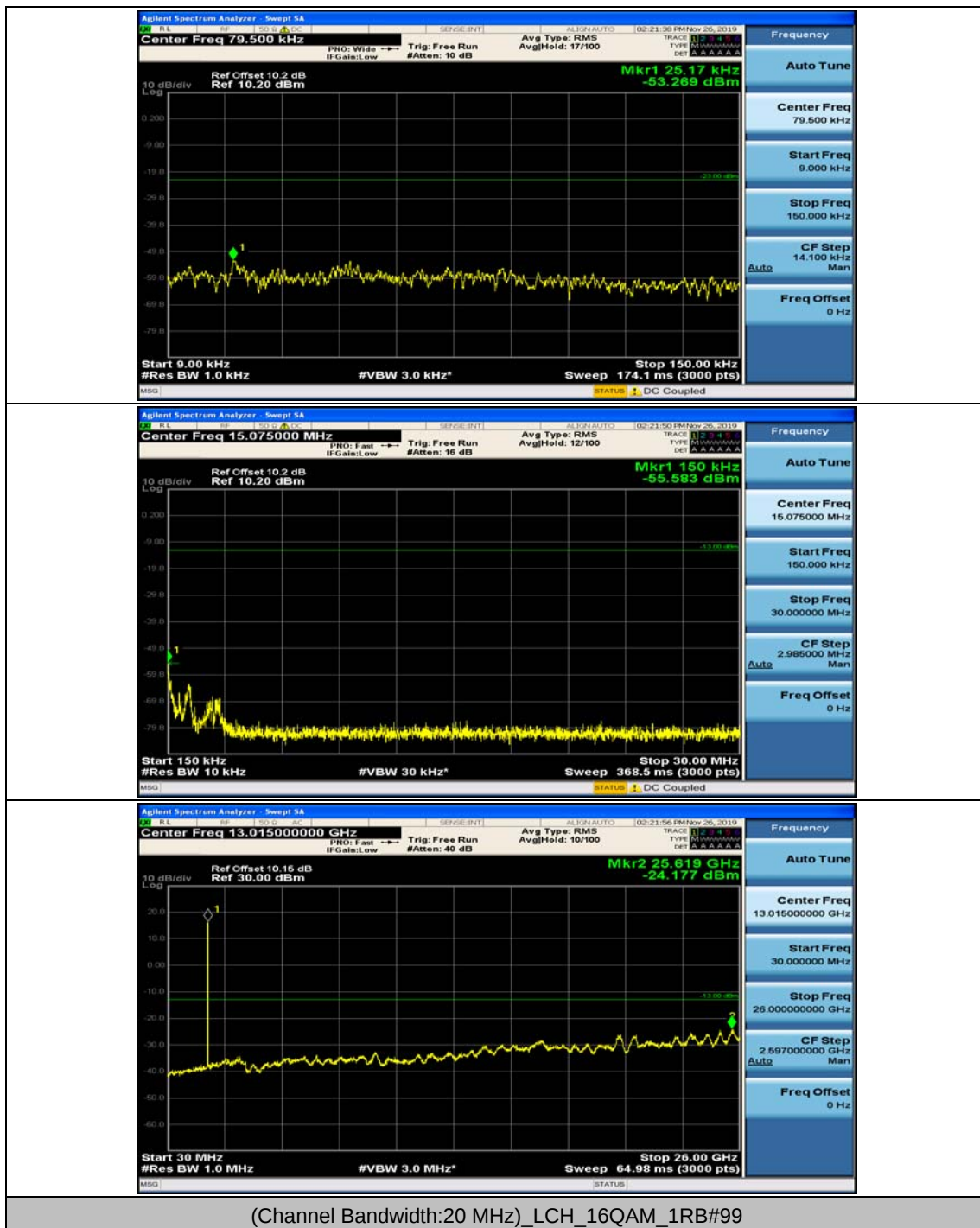


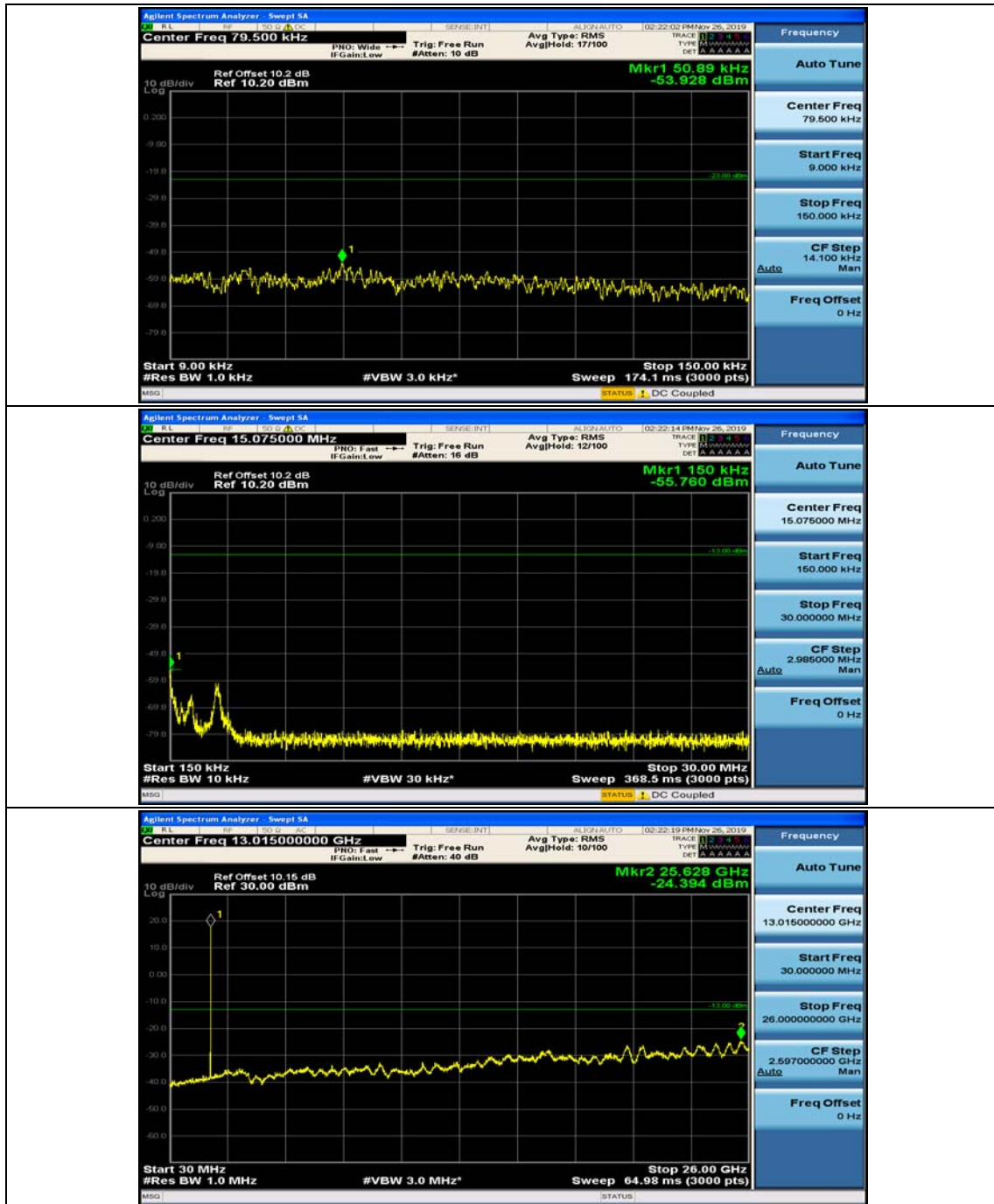


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

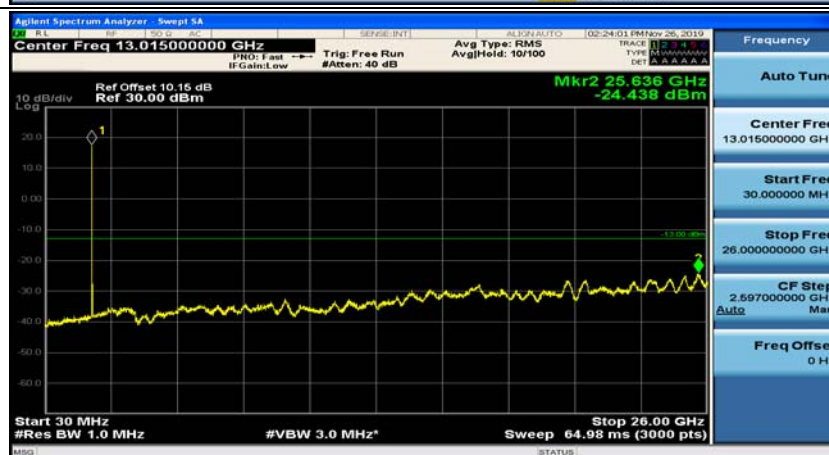
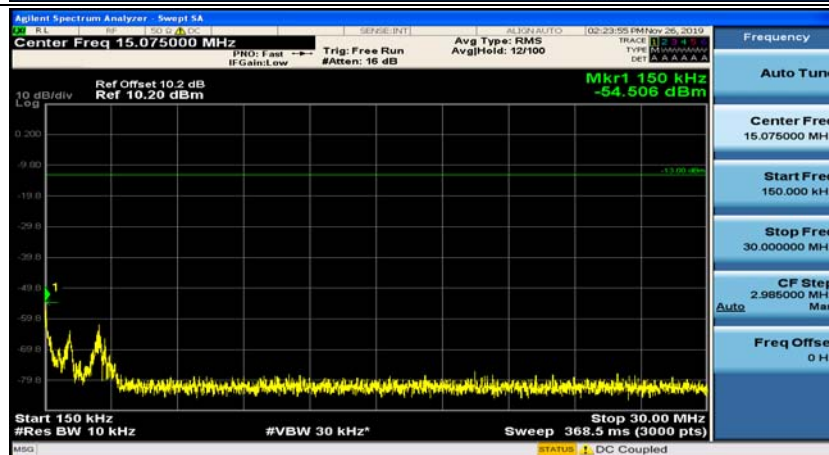


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

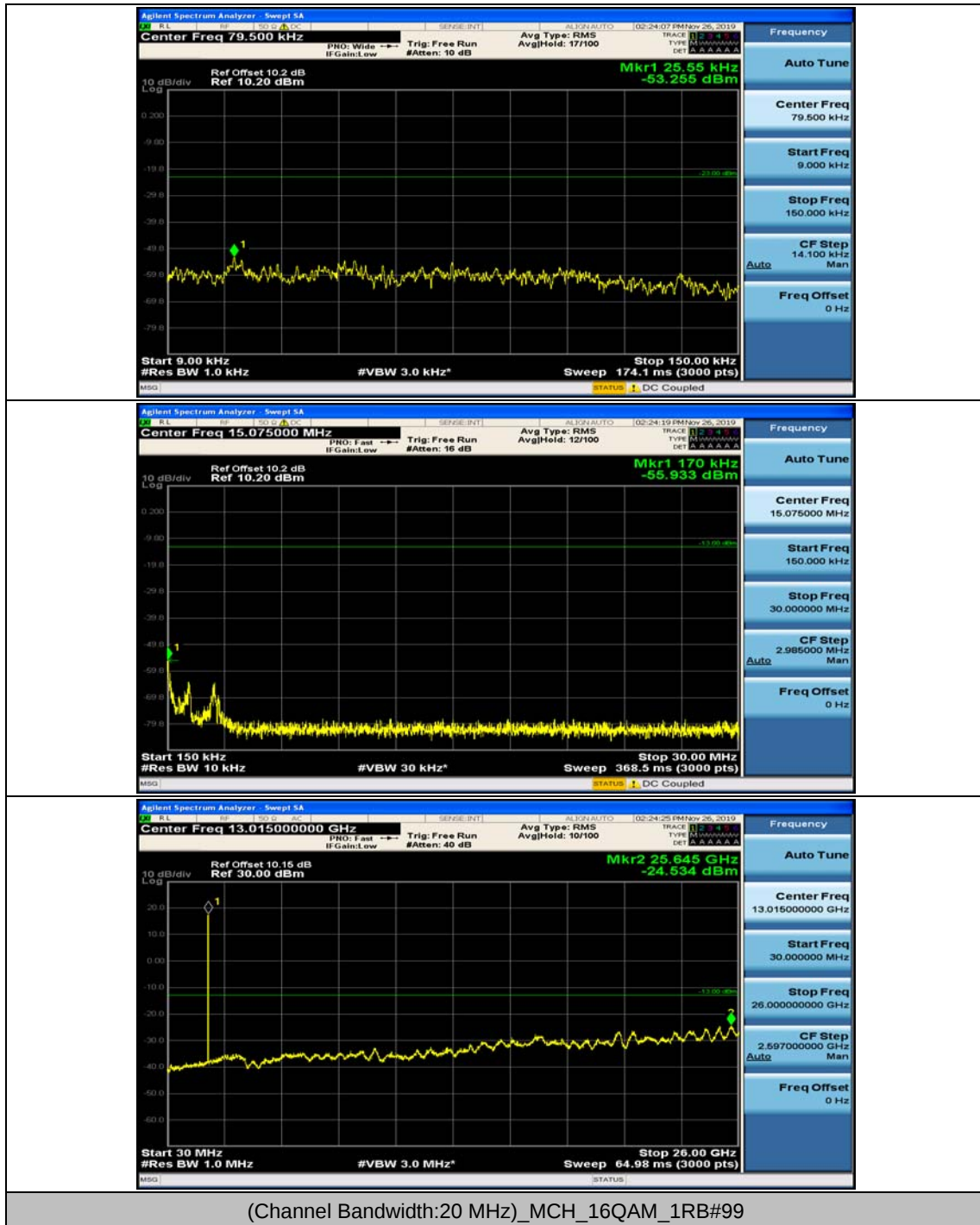


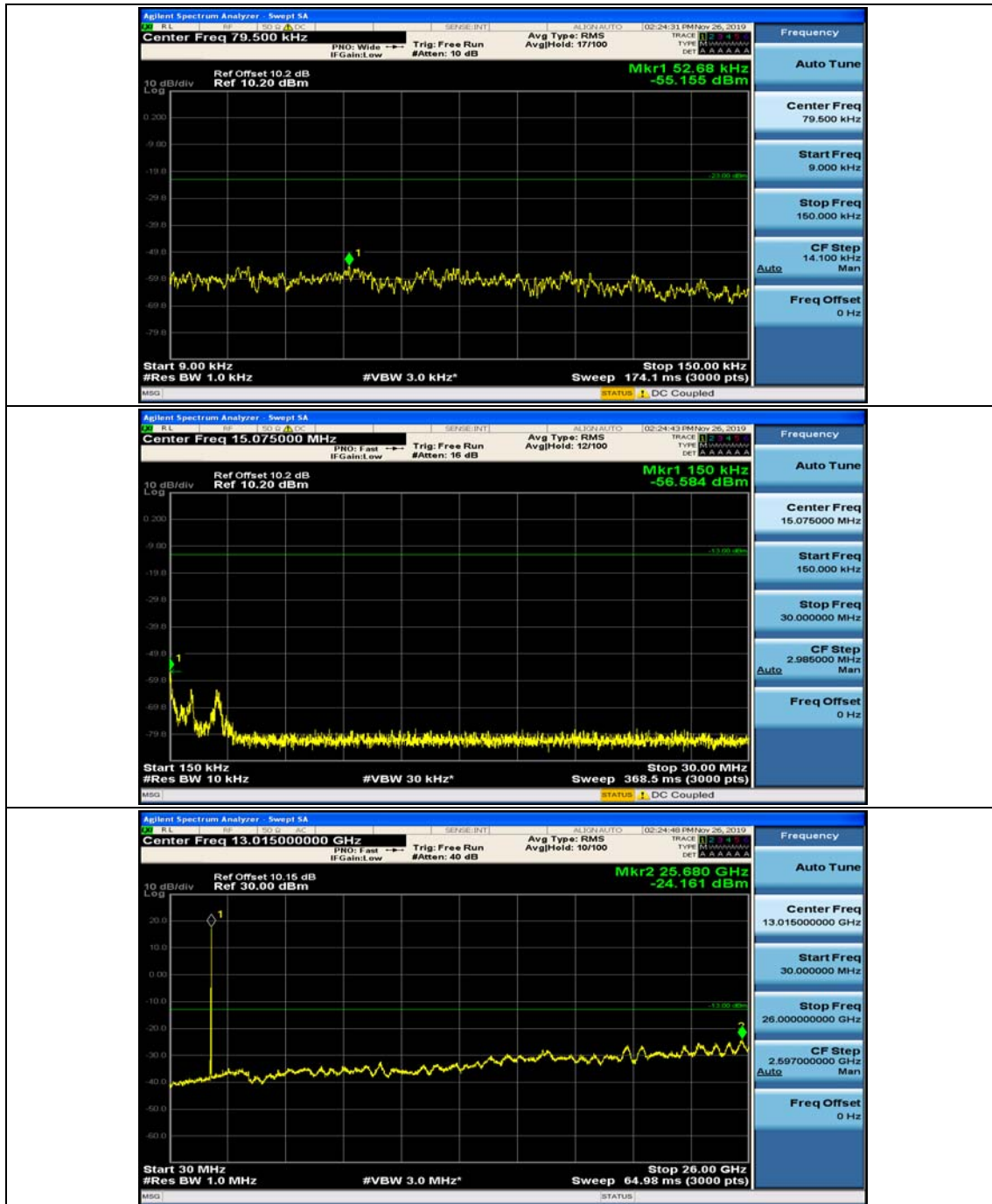


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

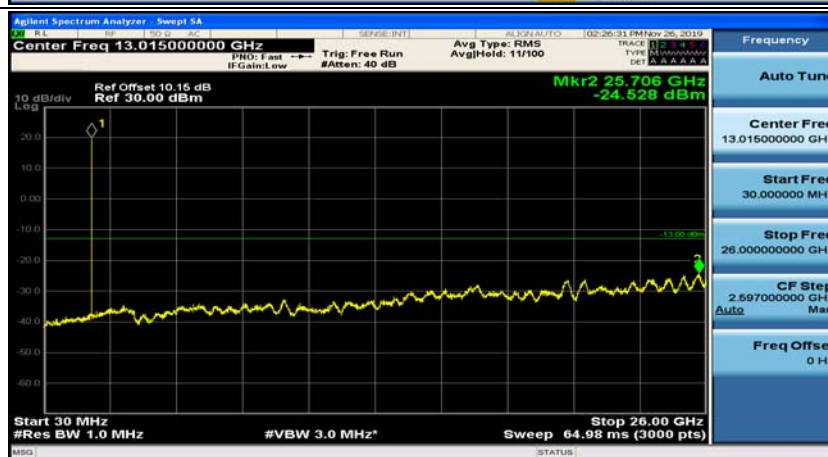
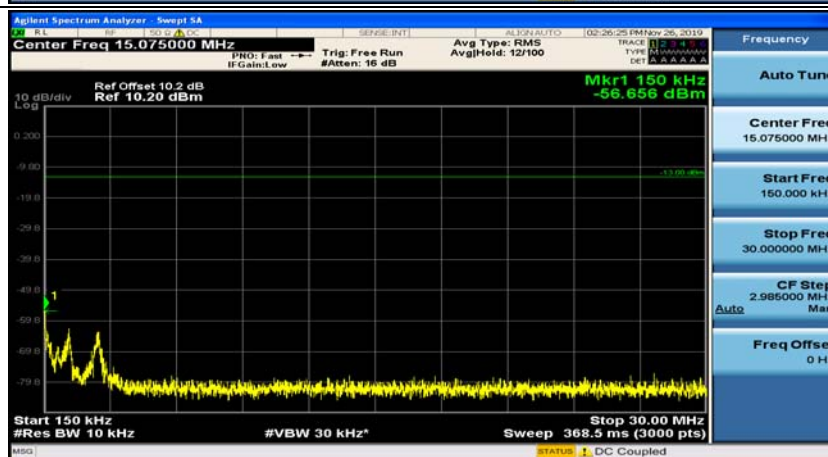
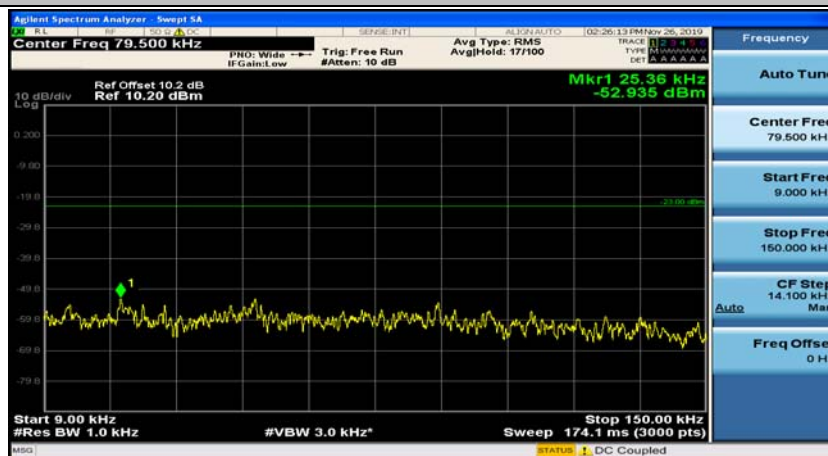


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

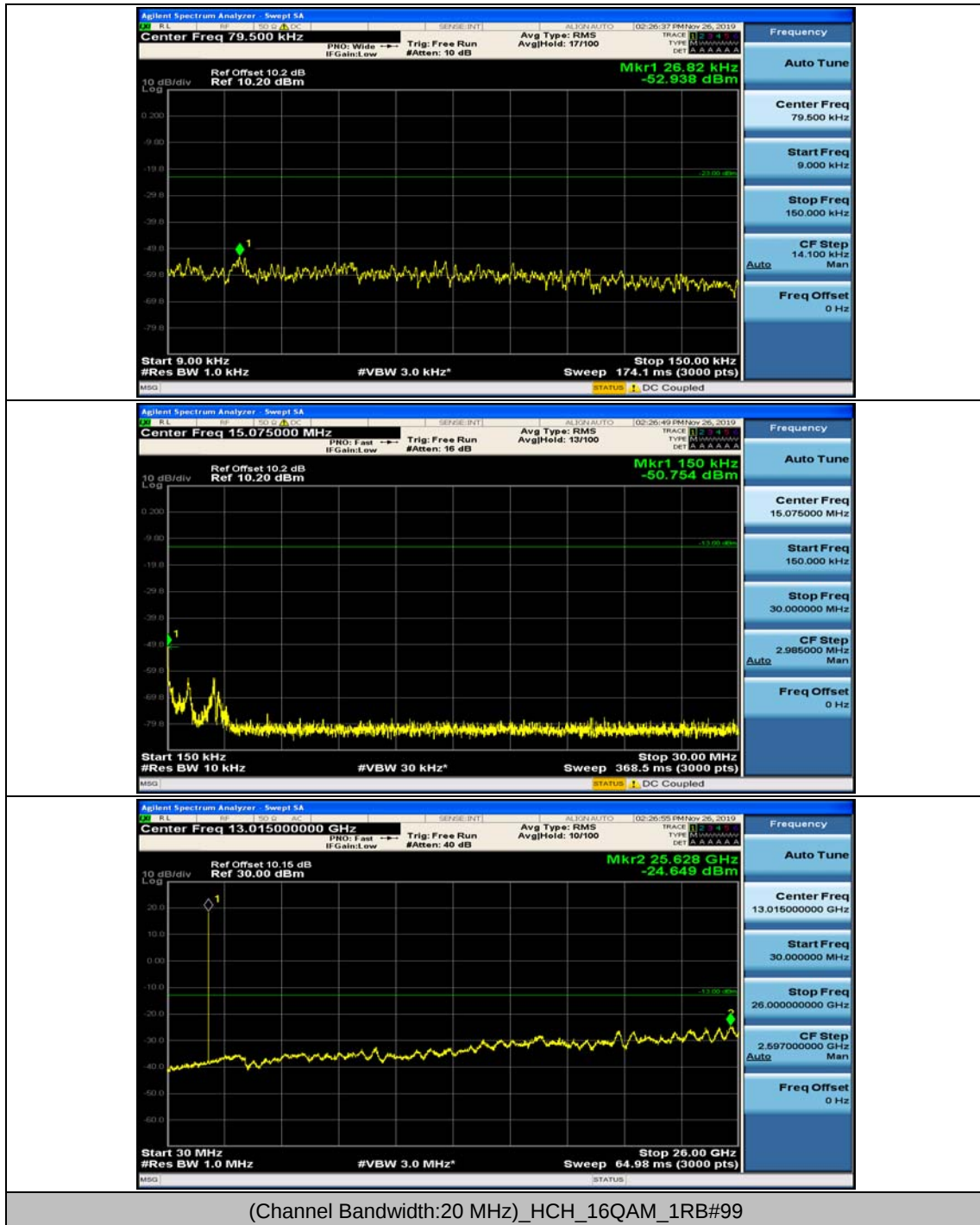


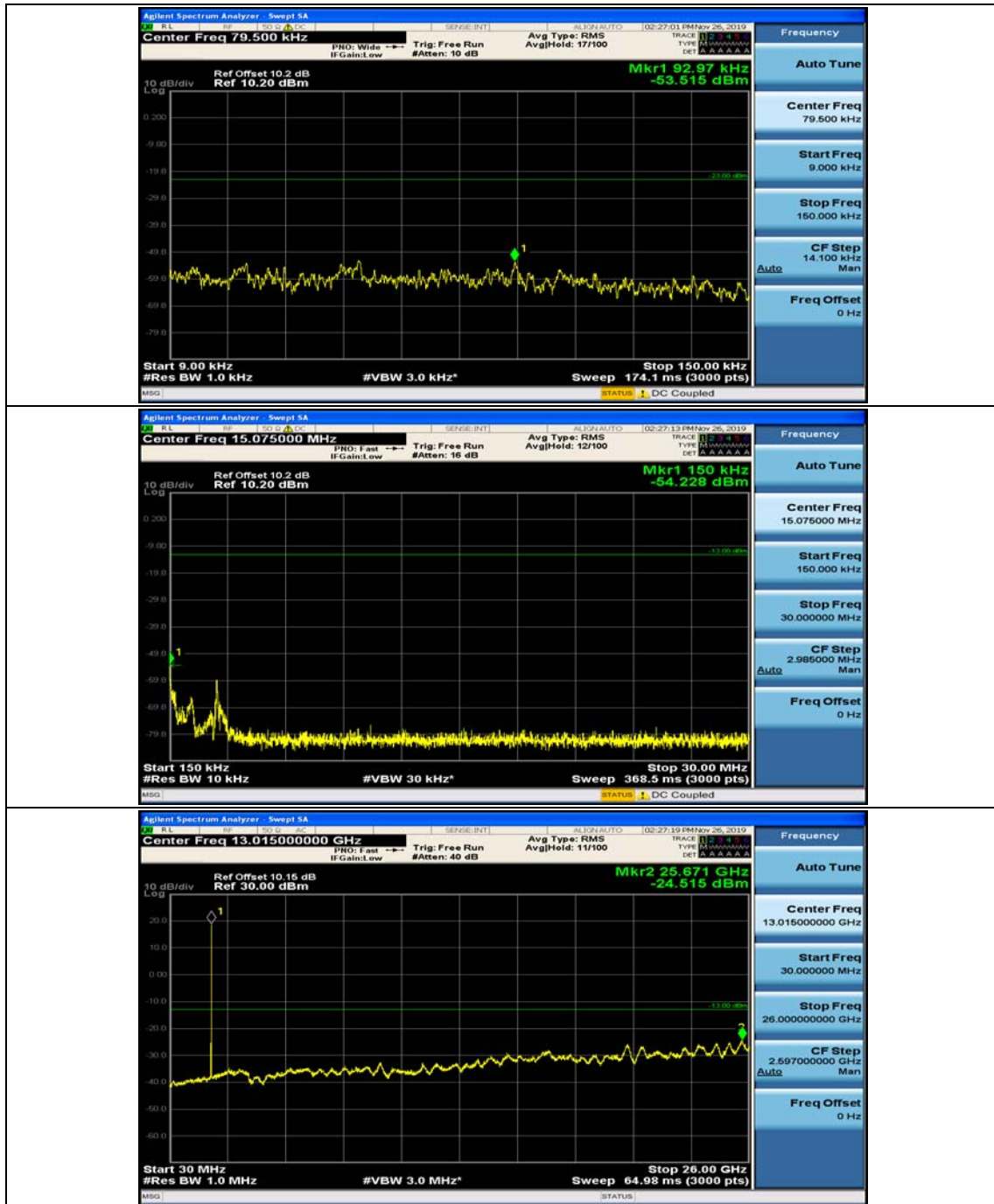


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#49





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	1.32	0.000713	± 2.5	PASS
		VN	TN	0.5	0.000270	± 2.5	PASS
		VH	TN	4.7	0.002540	± 2.5	PASS
	MCH	VL	TN	2.67	0.001420	± 2.5	PASS
		VN	TN	2.33	0.001239	± 2.5	PASS
		VH	TN	-1.21	-0.000644	± 2.5	PASS
	HCH	VL	TN	-0.81	-0.000424	± 2.5	PASS
		VN	TN	4.23	0.002215	± 2.5	PASS
		VH	TN	3.93	0.002058	± 2.5	PASS
16QAM	LCH	VL	TN	-1.81	-0.000978	± 2.5	PASS
		VN	TN	4.27	0.002307	± 2.5	PASS
		VH	TN	-1.3	-0.000702	± 2.5	PASS
	MCH	VL	TN	1.56	0.000830	± 2.5	PASS
		VN	TN	0.59	0.000314	± 2.5	PASS
		VH	TN	3.3	0.001755	± 2.5	PASS
	HCH	VL	TN	-1.45	-0.000759	± 2.5	PASS
		VN	TN	4.7	0.002462	± 2.5	PASS
		VH	TN	2.51	0.001315	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.33	-0.000719	± 2.5	PASS
		VN	-20	-1.82	-0.000983	± 2.5	PASS
		VN	-10	-0.41	-0.000222	± 2.5	PASS
		VN	0	-0.52	-0.000281	± 2.5	PASS
		VN	10	-1.22	-0.000659	± 2.5	PASS
		VN	20	3.04	0.001643	± 2.5	PASS
		VN	30	3.11	0.001680	± 2.5	PASS
		VN	40	4.48	0.002421	± 2.5	PASS
		VN	50	2.3	0.001243	± 2.5	PASS
	MCH	VN	-30	-0.85	-0.000452	± 2.5	PASS

		VN	-20	2.28	0.001213	± 2.5	PASS
		VN	-10	1.12	0.000596	± 2.5	PASS
		VN	0	4.89	0.002601	± 2.5	PASS
		VN	10	-1.81	-0.000963	± 2.5	PASS
		VN	20	2.92	0.001553	± 2.5	PASS
		VN	30	-1.69	-0.000899	± 2.5	PASS
		VN	40	2.74	0.001457	± 2.5	PASS
		VN	50	-0.14	-0.000074	± 2.5	PASS
	HCH	VN	-30	2.24	0.001173	± 2.5	PASS
		VN	-20	4.93	0.002582	± 2.5	PASS
		VN	-10	0.59	0.000309	± 2.5	PASS
		VN	0	0.45	0.000236	± 2.5	PASS
		VN	10	-0.02	-0.000010	± 2.5	PASS
		VN	20	-0.64	-0.000335	± 2.5	PASS
		VN	30	3.1	0.001624	± 2.5	PASS
		VN	40	-1.06	-0.000555	± 2.5	PASS
16QAM	LCH	VN	-30	2.52	0.001362	± 2.5	PASS
		VN	-20	2.72	0.001470	± 2.5	PASS
		VN	-10	1.15	0.000621	± 2.5	PASS
		VN	0	1.24	0.000670	± 2.5	PASS
		VN	10	4.88	0.002637	± 2.5	PASS
		VN	20	4.59	0.002480	± 2.5	PASS
		VN	30	3.48	0.001880	± 2.5	PASS
		VN	40	2.66	0.001437	± 2.5	PASS
		VN	50	4.99	0.002696	± 2.5	PASS
	MCH	VN	-30	3.94	0.002096	± 2.5	PASS
		VN	-20	-1.87	-0.000995	± 2.5	PASS
		VN	-10	1.13	0.000601	± 2.5	PASS
		VN	0	-1.55	-0.000824	± 2.5	PASS
		VN	10	1.4	0.000745	± 2.5	PASS
		VN	20	4.18	0.002223	± 2.5	PASS
		VN	30	3.85	0.002048	± 2.5	PASS
		VN	40	3.44	0.001830	± 2.5	PASS
		VN	50	3.43	0.001824	± 2.5	PASS
	HCH	VN	-30	4.52	0.002367	± 2.5	PASS
		VN	-20	2.74	0.001435	± 2.5	PASS
		VN	-10	0.46	0.000241	± 2.5	PASS
		VN	0	3.46	0.001812	± 2.5	PASS
		VN	10	4.62	0.002420	± 2.5	PASS
		VN	20	-1.63	-0.000854	± 2.5	PASS

		VN	30	2.74	0.001435	± 2.5	PASS
		VN	40	4.55	0.002383	± 2.5	PASS
		VN	50	2.03	0.001063	± 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	-0.91	-0.000491	± 2.5	PASS
		VN	TN	-0.77	-0.000416	± 2.5	PASS
		VH	TN	1.66	0.000897	± 2.5	PASS
	MCH	VL	TN	-0.32	-0.000170	± 2.5	PASS
		VN	TN	1.76	0.000936	± 2.5	PASS
		VH	TN	0.4	0.000213	± 2.5	PASS
	HCH	VL	TN	2.41	0.001263	± 2.5	PASS
		VN	TN	-1.57	-0.000823	± 2.5	PASS
		VH	TN	4.8	0.002515	± 2.5	PASS
16QAM	LCH	VL	TN	-0.38	-0.000205	± 2.5	PASS
		VN	TN	4.62	0.002495	± 2.5	PASS
		VH	TN	0.35	0.000189	± 2.5	PASS
	MCH	VL	TN	2.9	0.001543	± 2.5	PASS
		VN	TN	-0.67	-0.000356	± 2.5	PASS
		VH	TN	0.81	0.000431	± 2.5	PASS
	HCH	VL	TN	0.24	0.000126	± 2.5	PASS
		VN	TN	2.29	0.001200	± 2.5	PASS
		VH	TN	1.14	0.000597	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.79	0.002047	± 2.5	PASS
		VN	-20	0.51	0.000275	± 2.5	PASS
		VN	-10	0.77	0.000416	± 2.5	PASS
		VN	0	3.09	0.001669	± 2.5	PASS
		VN	10	-1.62	-0.000875	± 2.5	PASS
		VN	20	3.52	0.001901	± 2.5	PASS
		VN	30	4.37	0.002360	± 2.5	PASS
		VN	40	2.06	0.001113	± 2.5	PASS
		VN	50	-1.8	-0.000972	± 2.5	PASS
	MCH	VN	-30	1.55	0.000824	± 2.5	PASS
		VN	-20	1.31	0.000697	± 2.5	PASS

		VN	-10	-1.39	-0.000739	± 2.5	PASS	
		VN	0	1.36	0.000723	± 2.5	PASS	
		VN	10	1.13	0.000601	± 2.5	PASS	
		VN	20	-1.7	-0.000904	± 2.5	PASS	
		VN	30	3.22	0.001713	± 2.5	PASS	
		VN	40	1.93	0.001027	± 2.5	PASS	
		VN	50	1.34	0.000713	± 2.5	PASS	
	HCH	VN	-30	4.64	0.002431	± 2.5	PASS	
		VN	-20	-1.2	-0.000629	± 2.5	PASS	
		VN	-10	-0.23	-0.000121	± 2.5	PASS	
		VN	0	-0.23	-0.000121	± 2.5	PASS	
		VN	10	2.33	0.001221	± 2.5	PASS	
		VN	20	0.16	0.000084	± 2.5	PASS	
		VN	30	3.6	0.001886	± 2.5	PASS	
		VN	40	3.76	0.001970	± 2.5	PASS	
		VN	50	4.23	0.002216	± 2.5	PASS	
	16QAM	LCH	VN	-30	2.09	0.001129	± 2.5	PASS
			VN	-20	1.66	0.000897	± 2.5	PASS
VN			-10	4.61	0.002490	± 2.5	PASS	
VN			0	3.28	0.001772	± 2.5	PASS	
VN			10	4	0.002160	± 2.5	PASS	
VN			20	-1.16	-0.000627	± 2.5	PASS	
VN			30	1.14	0.000616	± 2.5	PASS	
VN			40	1.04	0.000562	± 2.5	PASS	
VN			50	-0.03	-0.000016	± 2.5	PASS	
MCH		VN	-30	1.08	0.000574	± 2.5	PASS	
		VN	-20	4.13	0.002197	± 2.5	PASS	
		VN	-10	1.43	0.000761	± 2.5	PASS	
		VN	0	3.22	0.001713	± 2.5	PASS	
		VN	10	3.94	0.002096	± 2.5	PASS	
		VN	20	-0.02	-0.000011	± 2.5	PASS	
		VN	30	4.57	0.002431	± 2.5	PASS	
		VN	40	4.18	0.002223	± 2.5	PASS	
		VN	50	0.34	0.000181	± 2.5	PASS	
HCH		VN	-30	-0.65	-0.000341	± 2.5	PASS	
		VN	-20	-0.36	-0.000189	± 2.5	PASS	
		VN	-10	-1.09	-0.000571	± 2.5	PASS	
		VN	0	1.05	0.000550	± 2.5	PASS	
		VN	10	0.64	0.000335	± 2.5	PASS	
		VN	20	3.85	0.002017	± 2.5	PASS	
		VN	30	-1.7	-0.000891	± 2.5	PASS	

		VN	40	3.74	0.001960	± 2.5	PASS
		VN	50	4.42	0.002316	± 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	2.28	0.001231	± 2.5	PASS
		VN	TN	3.51	0.001895	± 2.5	PASS
		VH	TN	2.81	0.001517	± 2.5	PASS
	MCH	VL	TN	4.88	0.002596	± 2.5	PASS
		VN	TN	2.45	0.001303	± 2.5	PASS
		VH	TN	1.49	0.000793	± 2.5	PASS
	HCH	VL	TN	4.05	0.002123	± 2.5	PASS
		VN	TN	1.31	0.000687	± 2.5	PASS
		VH	TN	2.2	0.001153	± 2.5	PASS
16QAM	LCH	VL	TN	3.02	0.001630	± 2.5	PASS
		VN	TN	3.82	0.002062	± 2.5	PASS
		VH	TN	1.02	0.000551	± 2.5	PASS
	MCH	VL	TN	-1.48	-0.000787	± 2.5	PASS
		VN	TN	-1.83	-0.000973	± 2.5	PASS
		VH	TN	-1.62	-0.000862	± 2.5	PASS
	HCH	VL	TN	1.97	0.001033	± 2.5	PASS
		VN	TN	3.81	0.001997	± 2.5	PASS
		VH	TN	0.38	0.000199	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.64	0.000345	± 2.5	PASS
		VN	-20	-1.79	-0.000966	± 2.5	PASS
		VN	-10	4.46	0.002408	± 2.5	PASS
		VN	0	1.37	0.000740	± 2.5	PASS
		VN	10	0.45	0.000243	± 2.5	PASS
		VN	20	4.99	0.002694	± 2.5	PASS
		VN	30	1.93	0.001042	± 2.5	PASS
		VN	40	-0.32	-0.000173	± 2.5	PASS
		VN	50	3.02	0.001630	± 2.5	PASS
	MCH	VN	-30	0.62	0.000330	± 2.5	PASS
		VN	-20	4.34	0.002309	± 2.5	PASS
		VN	-10	2.38	0.001266	± 2.5	PASS

		VN	0	1.65	0.000878	± 2.5	PASS
		VN	10	2.48	0.001319	± 2.5	PASS
		VN	20	3.73	0.001984	± 2.5	PASS
		VN	30	2.78	0.001479	± 2.5	PASS
		VN	40	4.16	0.002213	± 2.5	PASS
		VN	50	-0.96	-0.000511	± 2.5	PASS
	HCH	VN	-30	3.82	0.002003	± 2.5	PASS
		VN	-20	1.7	0.000891	± 2.5	PASS
		VN	-10	3.06	0.001604	± 2.5	PASS
		VN	0	4.77	0.002501	± 2.5	PASS
		VN	10	0.78	0.000409	± 2.5	PASS
		VN	20	0.16	0.000084	± 2.5	PASS
		VN	30	0.89	0.000467	± 2.5	PASS
		VN	40	1.52	0.000797	± 2.5	PASS
		VN	50	2.35	0.001232	± 2.5	PASS
16QAM	LCH	VN	-30	4.59	0.002478	± 2.5	PASS
		VN	-20	1.14	0.000615	± 2.5	PASS
		VN	-10	3	0.001619	± 2.5	PASS
		VN	0	4.74	0.002559	± 2.5	PASS
		VN	10	-1.75	-0.000945	± 2.5	PASS
		VN	20	2.06	0.001112	± 2.5	PASS
		VN	30	1.08	0.000583	± 2.5	PASS
		VN	40	3.87	0.002089	± 2.5	PASS
		VN	50	1.76	0.000950	± 2.5	PASS
	MCH	VN	-30	-0.91	-0.000484	± 2.5	PASS
		VN	-20	1.94	0.001032	± 2.5	PASS
		VN	-10	0.09	0.000048	± 2.5	PASS
		VN	0	2.53	0.001346	± 2.5	PASS
		VN	10	4.41	0.002346	± 2.5	PASS
		VN	20	2.03	0.001080	± 2.5	PASS
		VN	30	4.53	0.002410	± 2.5	PASS
		VN	40	2.1	0.001117	± 2.5	PASS
		VN	50	4.69	0.002495	± 2.5	PASS
	HCH	VN	-30	0.32	0.000168	± 2.5	PASS
		VN	-20	1.26	0.000661	± 2.5	PASS
		VN	-10	-0.64	-0.000336	± 2.5	PASS
		VN	0	-1.07	-0.000561	± 2.5	PASS
		VN	10	4.15	0.002176	± 2.5	PASS
		VN	20	3.87	0.002029	± 2.5	PASS
		VN	30	-0.71	-0.000372	± 2.5	PASS
		VN	40	4.97	0.002606	± 2.5	PASS

		VN	50	4.94	0.002590	± 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	-1.01	-0.000544	± 2.5	PASS
		VN	TN	-1.52	-0.000819	± 2.5	PASS
		VH	TN	4.23	0.002280	± 2.5	PASS
	MCH	VL	TN	1.79	0.000952	± 2.5	PASS
		VN	TN	4.78	0.002543	± 2.5	PASS
		VH	TN	-0.59	-0.000314	± 2.5	PASS
	HCH	VL	TN	2.67	0.001402	± 2.5	PASS
		VN	TN	3.18	0.001669	± 2.5	PASS
		VH	TN	3.85	0.002021	± 2.5	PASS
16QAM	LCH	VL	TN	3.71	0.002000	± 2.5	PASS
		VN	TN	2.23	0.001202	± 2.5	PASS
		VH	TN	4.29	0.002313	± 2.5	PASS
	MCH	VL	TN	0.61	0.000324	± 2.5	PASS
		VN	TN	0.99	0.000527	± 2.5	PASS
		VH	TN	-1.93	-0.001027	± 2.5	PASS
	HCH	VL	TN	0.1	0.000052	± 2.5	PASS
		VN	TN	3.38	0.001774	± 2.5	PASS
		VH	TN	2.32	0.001218	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.9	0.002642	± 2.5	PASS
		VN	-20	4.9	0.002642	± 2.5	PASS
		VN	-10	3.04	0.001639	± 2.5	PASS
		VN	0	-0.58	-0.000313	± 2.5	PASS
		VN	10	-1.61	-0.000868	± 2.5	PASS
		VN	20	-1.39	-0.000749	± 2.5	PASS
		VN	30	4.45	0.002399	± 2.5	PASS
		VN	40	3.73	0.002011	± 2.5	PASS
		VN	50	4.55	0.002453	± 2.5	PASS
	MCH	VN	-30	2.44	0.001298	± 2.5	PASS
		VN	-20	2.54	0.001351	± 2.5	PASS
		VN	-10	0.66	0.000351	± 2.5	PASS
		VN	0	-0.59	-0.000314	± 2.5	PASS

		VN	10	-1.7	-0.000904	± 2.5	PASS
		VN	20	1.38	0.000734	± 2.5	PASS
		VN	30	2.01	0.001069	± 2.5	PASS
		VN	40	3.23	0.001718	± 2.5	PASS
		VN	50	-0.13	-0.000069	± 2.5	PASS
	HCH	VN	-30	4.21	0.002210	± 2.5	PASS
		VN	-20	0.34	0.000178	± 2.5	PASS
		VN	-10	2.55	0.001339	± 2.5	PASS
		VN	0	-1.12	-0.000588	± 2.5	PASS
		VN	10	3.1	0.001627	± 2.5	PASS
		VN	20	-1.73	-0.000908	± 2.5	PASS
		VN	30	0.17	0.000089	± 2.5	PASS
		VN	40	1.31	0.000688	± 2.5	PASS
		VN	50	4.09	0.002147	± 2.5	PASS
		VN	-30	2.34	0.001261	± 2.5	PASS
QPSK	LCH	VN	-20	4.34	0.002340	± 2.5	PASS
		VN	-10	4.05	0.002183	± 2.5	PASS
		VN	0	1.77	0.000954	± 2.5	PASS
		VN	10	1.65	0.000889	± 2.5	PASS
		VN	20	4.51	0.002431	± 2.5	PASS
		VN	30	1.31	0.000706	± 2.5	PASS
		VN	40	1.79	0.000965	± 2.5	PASS
		VN	50	2.87	0.001547	± 2.5	PASS
	MCH	VN	-30	4.26	0.002266	± 2.5	PASS
		VN	-20	-1.97	-0.001048	± 2.5	PASS
		VN	-10	-1.91	-0.001016	± 2.5	PASS
		VN	0	-1.74	-0.000926	± 2.5	PASS
		VN	10	3.59	0.001910	± 2.5	PASS
		VN	20	-1.62	-0.000862	± 2.5	PASS
		VN	30	2.72	0.001447	± 2.5	PASS
		VN	40	1.3	0.000691	± 2.5	PASS
		VN	50	1.71	0.000910	± 2.5	PASS
	HCH	VN	-30	0.95	0.000499	± 2.5	PASS
		VN	-20	0.18	0.000094	± 2.5	PASS
		VN	-10	-1.33	-0.000698	± 2.5	PASS
		VN	0	-0.83	-0.000436	± 2.5	PASS
		VN	10	3.1	0.001627	± 2.5	PASS
		VN	20	4.35	0.002283	± 2.5	PASS
		VN	30	1.48	0.000777	± 2.5	PASS
		VN	40	2.47	0.001297	± 2.5	PASS
		VN	50	2.83	0.001486	± 2.5	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	0.18	0.000097	± 2.5	PASS
		VN	TN	3.21	0.001728	± 2.5	PASS
		VH	TN	-1.83	-0.000985	± 2.5	PASS
	MCH	VL	TN	2.29	0.001218	± 2.5	PASS
		VN	TN	1.09	0.000580	± 2.5	PASS
		VH	TN	-1.83	-0.000973	± 2.5	PASS
	HCH	VL	TN	3.36	0.001766	± 2.5	PASS
		VN	TN	-1.04	-0.000547	± 2.5	PASS
		VH	TN	-1.28	-0.000673	± 2.5	PASS
16QAM	LCH	VL	TN	2.32	0.001249	± 2.5	PASS
		VN	TN	2.94	0.001583	± 2.5	PASS
		VH	TN	3.43	0.001847	± 2.5	PASS
	MCH	VL	TN	4.75	0.002527	± 2.5	PASS
		VN	TN	-0.5	-0.000266	± 2.5	PASS
		VH	TN	1.48	0.000787	± 2.5	PASS
	HCH	VL	TN	3.5	0.001840	± 2.5	PASS
		VN	TN	2.89	0.001519	± 2.5	PASS
		VH	TN	2.03	0.001067	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.62	0.001949	± 2.5	PASS
		VN	-20	-0.15	-0.000081	± 2.5	PASS
		VN	-10	0.8	0.000431	± 2.5	PASS
		VN	0	2.71	0.001459	± 2.5	PASS
		VN	10	0.96	0.000517	± 2.5	PASS
		VN	20	0.26	0.000140	± 2.5	PASS
		VN	30	2.07	0.001114	± 2.5	PASS
		VN	40	4.97	0.002676	± 2.5	PASS
		VN	50	2.13	0.001147	± 2.5	PASS
	MCH	VN	-30	0.04	0.000021	± 2.5	PASS
		VN	-20	4.88	0.002596	± 2.5	PASS
		VN	-10	4.57	0.002431	± 2.5	PASS
		VN	0	-1.63	-0.000867	± 2.5	PASS
		VN	10	0.7	0.000372	± 2.5	PASS
		VN	20	0.57	0.000303	± 2.5	PASS

		VN	30	-0.78	-0.000415	± 2.5	PASS
		VN	40	0.9	0.000479	± 2.5	PASS
		VN	50	0.17	0.000090	± 2.5	PASS
	HCH	VN	-30	3.79	0.001992	± 2.5	PASS
		VN	-20	-0.45	-0.000237	± 2.5	PASS
		VN	-10	3.17	0.001666	± 2.5	PASS
		VN	0	-1.95	-0.001025	± 2.5	PASS
		VN	10	-0.53	-0.000279	± 2.5	PASS
		VN	20	-1.62	-0.000852	± 2.5	PASS
		VN	30	4.78	0.002512	± 2.5	PASS
		VN	40	-1.45	-0.000762	± 2.5	PASS
		VN	50	-1.28	-0.000673	± 2.5	PASS
16QAM	LCH	VN	-30	3.4	0.001830	± 2.5	PASS
		VN	-20	1.54	0.000829	± 2.5	PASS
		VN	-10	1.64	0.000883	± 2.5	PASS
		VN	0	0.14	0.000075	± 2.5	PASS
		VN	10	3.27	0.001760	± 2.5	PASS
		VN	20	1.28	0.000689	± 2.5	PASS
		VN	30	0.52	0.000280	± 2.5	PASS
		VN	40	4.66	0.002509	± 2.5	PASS
		VN	50	2.76	0.001486	± 2.5	PASS
	MCH	VN	-30	0.96	0.000511	± 2.5	PASS
		VN	-20	-1.02	-0.000543	± 2.5	PASS
		VN	-10	4.81	0.002559	± 2.5	PASS
		VN	0	2	0.001064	± 2.5	PASS
		VN	10	1.73	0.000920	± 2.5	PASS
		VN	20	1.5	0.000798	± 2.5	PASS
		VN	30	-1.8	-0.000957	± 2.5	PASS
		VN	40	4.4	0.002340	± 2.5	PASS
		VN	50	-0.86	-0.000457	± 2.5	PASS
	HCH	VN	-30	2.23	0.001172	± 2.5	PASS
		VN	-20	-1.53	-0.000804	± 2.5	PASS
		VN	-10	2.46	0.001293	± 2.5	PASS
		VN	0	1.75	0.000920	± 2.5	PASS
		VN	10	0.73	0.000384	± 2.5	PASS
		VN	20	4.34	0.002281	± 2.5	PASS
		VN	30	1.47	0.000773	± 2.5	PASS
		VN	40	3.95	0.002076	± 2.5	PASS
		VN	50	-0.18	-0.000095	± 2.5	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	1.38	0.000742	± 2.5	PASS
		VN	TN	-1.99	-0.001070	± 2.5	PASS
		VH	TN	3.06	0.001645	± 2.5	PASS
	MCH	VL	TN	4.17	0.002218	± 2.5	PASS
		VN	TN	3.43	0.001824	± 2.5	PASS
		VH	TN	1.15	0.000612	± 2.5	PASS
	HCH	VL	TN	-0.97	-0.000511	± 2.5	PASS
		VN	TN	3.23	0.001700	± 2.5	PASS
		VH	TN	4.21	0.002216	± 2.5	PASS
16QAM	LCH	VL	TN	2.12	0.001140	± 2.5	PASS
		VN	TN	3.93	0.002113	± 2.5	PASS
		VH	TN	2.64	0.001419	± 2.5	PASS
	MCH	VL	TN	2.12	0.001128	± 2.5	PASS
		VN	TN	2.48	0.001319	± 2.5	PASS
		VH	TN	2.18	0.001160	± 2.5	PASS
	HCH	VL	TN	2.09	0.001100	± 2.5	PASS
		VN	TN	1.6	0.000842	± 2.5	PASS
		VH	TN	1.35	0.000711	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.48	-0.000796	± 2.5	PASS
		VN	-20	0.79	0.000425	± 2.5	PASS
		VN	-10	-0.97	-0.000522	± 2.5	PASS
		VN	0	2.53	0.001360	± 2.5	PASS
		VN	10	4.7	0.002527	± 2.5	PASS
		VN	20	-1.2	-0.000645	± 2.5	PASS
		VN	30	-1.23	-0.000661	± 2.5	PASS
		VN	40	4.92	0.002645	± 2.5	PASS
		VN	50	3.63	0.001952	± 2.5	PASS
	MCH	VN	-30	0.72	0.000383	± 2.5	PASS
		VN	-20	0.52	0.000277	± 2.5	PASS
		VN	-10	-1.14	-0.000606	± 2.5	PASS
		VN	0	-0.02	-0.000011	± 2.5	PASS
		VN	10	0.51	0.000271	± 2.5	PASS
		VN	20	-1.83	-0.000973	± 2.5	PASS

		VN	30	-1.84	-0.000979	± 2.5	PASS
		VN	40	1.52	0.000809	± 2.5	PASS
		VN	50	3.26	0.001734	± 2.5	PASS
	HCH	VN	-30	4.46	0.002347	± 2.5	PASS
		VN	-20	0.64	0.000337	± 2.5	PASS
		VN	-10	2.97	0.001563	± 2.5	PASS
		VN	0	3.14	0.001653	± 2.5	PASS
		VN	10	4.53	0.002384	± 2.5	PASS
		VN	20	4.95	0.002605	± 2.5	PASS
		VN	30	1.15	0.000605	± 2.5	PASS
		VN	40	2.31	0.001216	± 2.5	PASS
		VN	50	2.59	0.001363	± 2.5	PASS
16QAM	LCH	VN	-30	4.93	0.002651	± 2.5	PASS
		VN	-20	-0.3	-0.000161	± 2.5	PASS
		VN	-10	3.56	0.001914	± 2.5	PASS
		VN	0	1.81	0.000973	± 2.5	PASS
		VN	10	-0.82	-0.000441	± 2.5	PASS
		VN	20	-1.71	-0.000919	± 2.5	PASS
		VN	30	4.8	0.002581	± 2.5	PASS
		VN	40	0.8	0.000430	± 2.5	PASS
		VN	50	4.77	0.002565	± 2.5	PASS
	MCH	VN	-30	2.92	0.001553	± 2.5	PASS
		VN	-20	2.93	0.001559	± 2.5	PASS
		VN	-10	2.2	0.001170	± 2.5	PASS
		VN	0	-0.29	-0.000154	± 2.5	PASS
		VN	10	2.31	0.001229	± 2.5	PASS
		VN	20	-1.79	-0.000952	± 2.5	PASS
		VN	30	1.99	0.001059	± 2.5	PASS
		VN	40	4.22	0.002245	± 2.5	PASS
		VN	50	-1.43	-0.000761	± 2.5	PASS
	HCH	VN	-30	4.06	0.002137	± 2.5	PASS
		VN	-20	4.42	0.002326	± 2.5	PASS
		VN	-10	0.02	0.000011	± 2.5	PASS
		VN	0	2.48	0.001305	± 2.5	PASS
		VN	10	4.86	0.002558	± 2.5	PASS
		VN	20	1.1	0.000579	± 2.5	PASS
		VN	30	3.23	0.001700	± 2.5	PASS
		VN	40	-1.64	-0.000863	± 2.5	PASS
		VN	50	2.46	0.001295	± 2.5	PASS