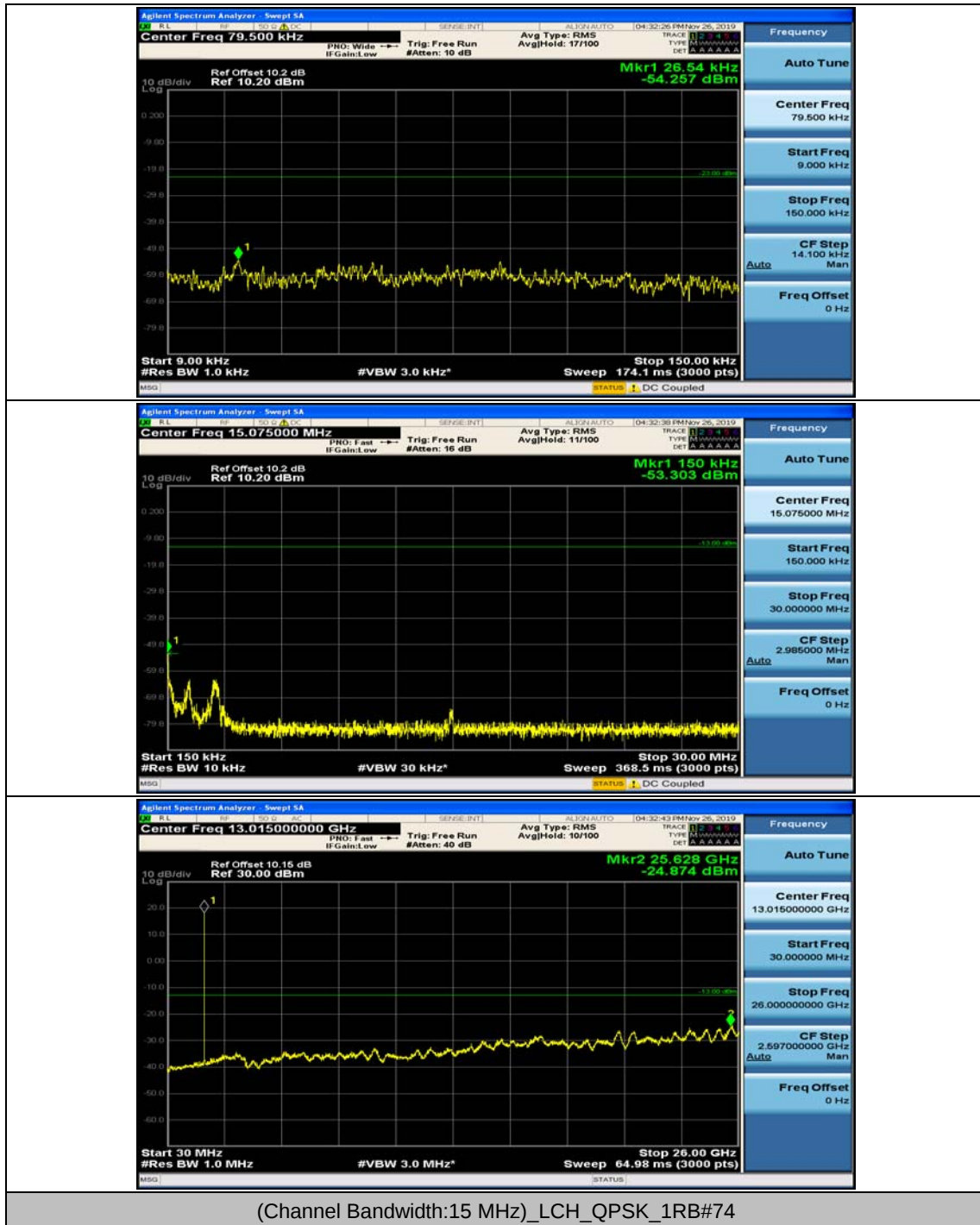
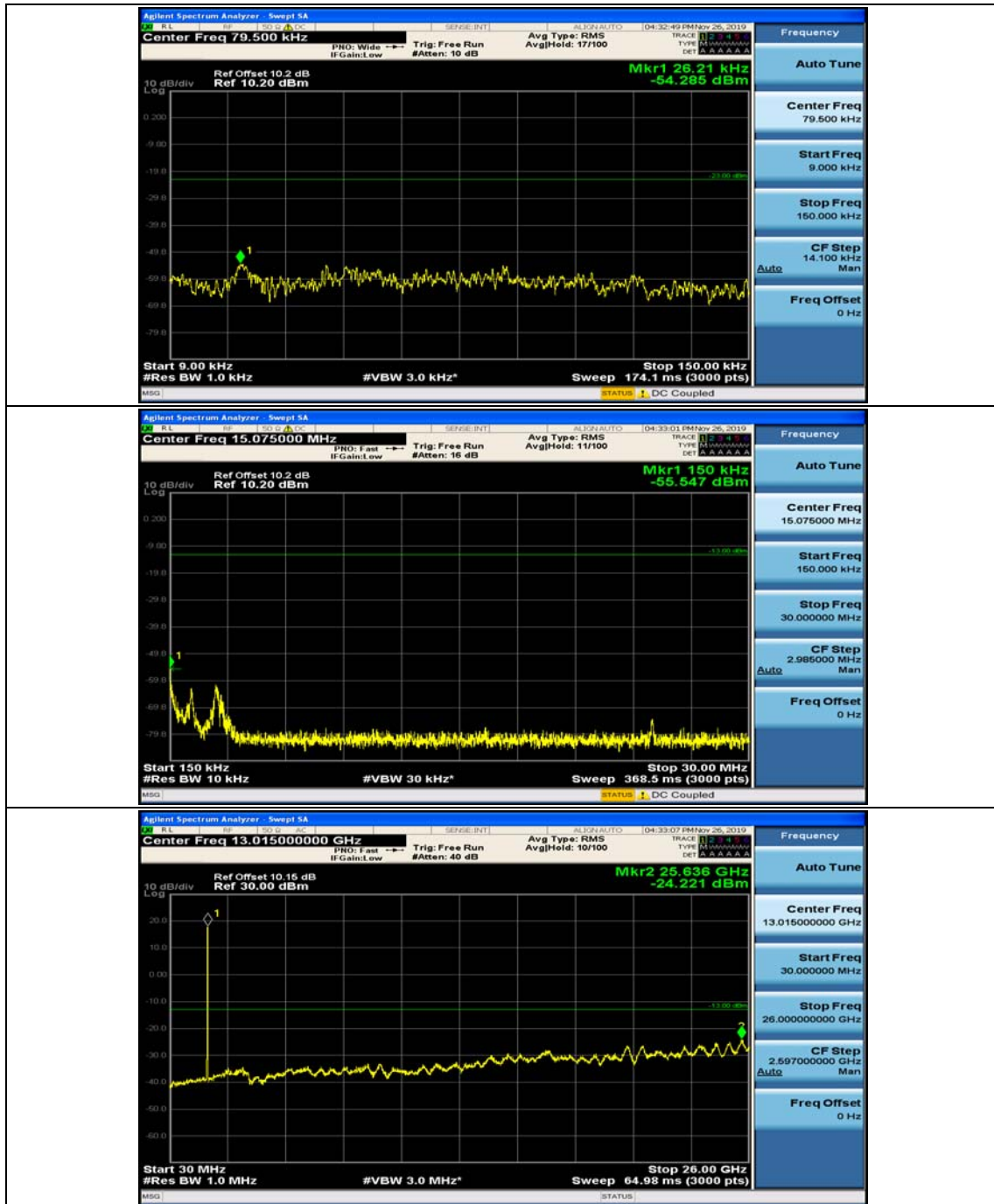
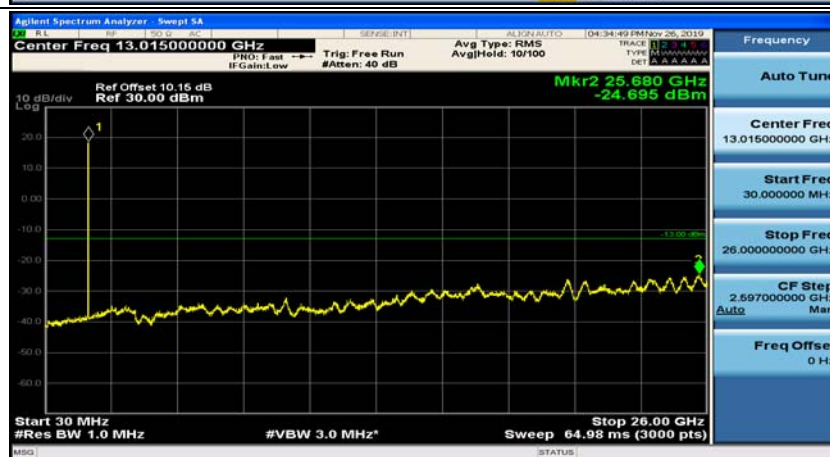
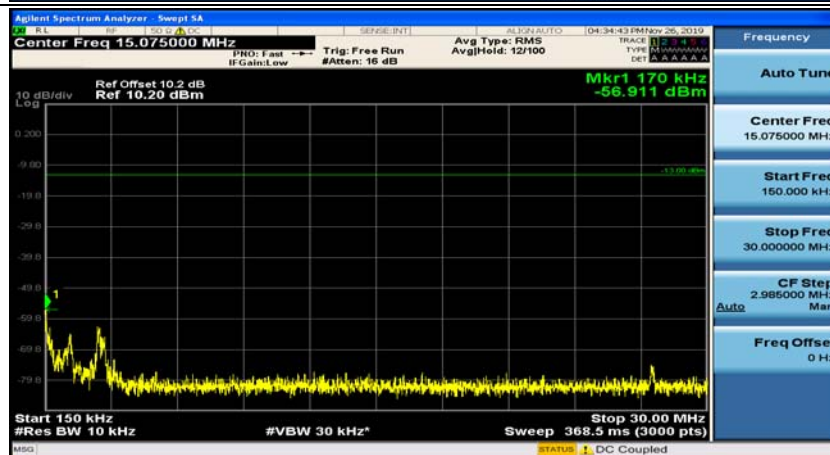


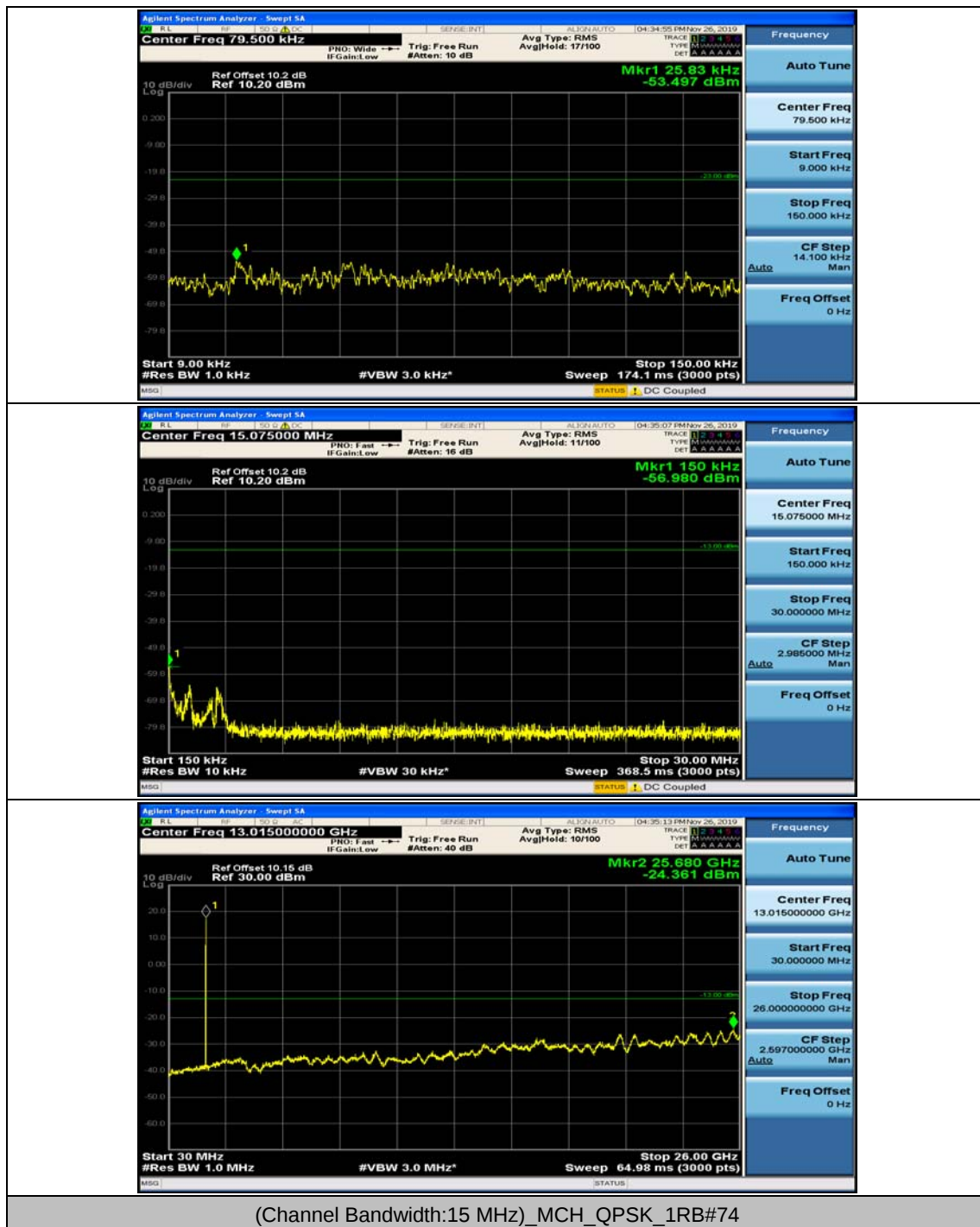


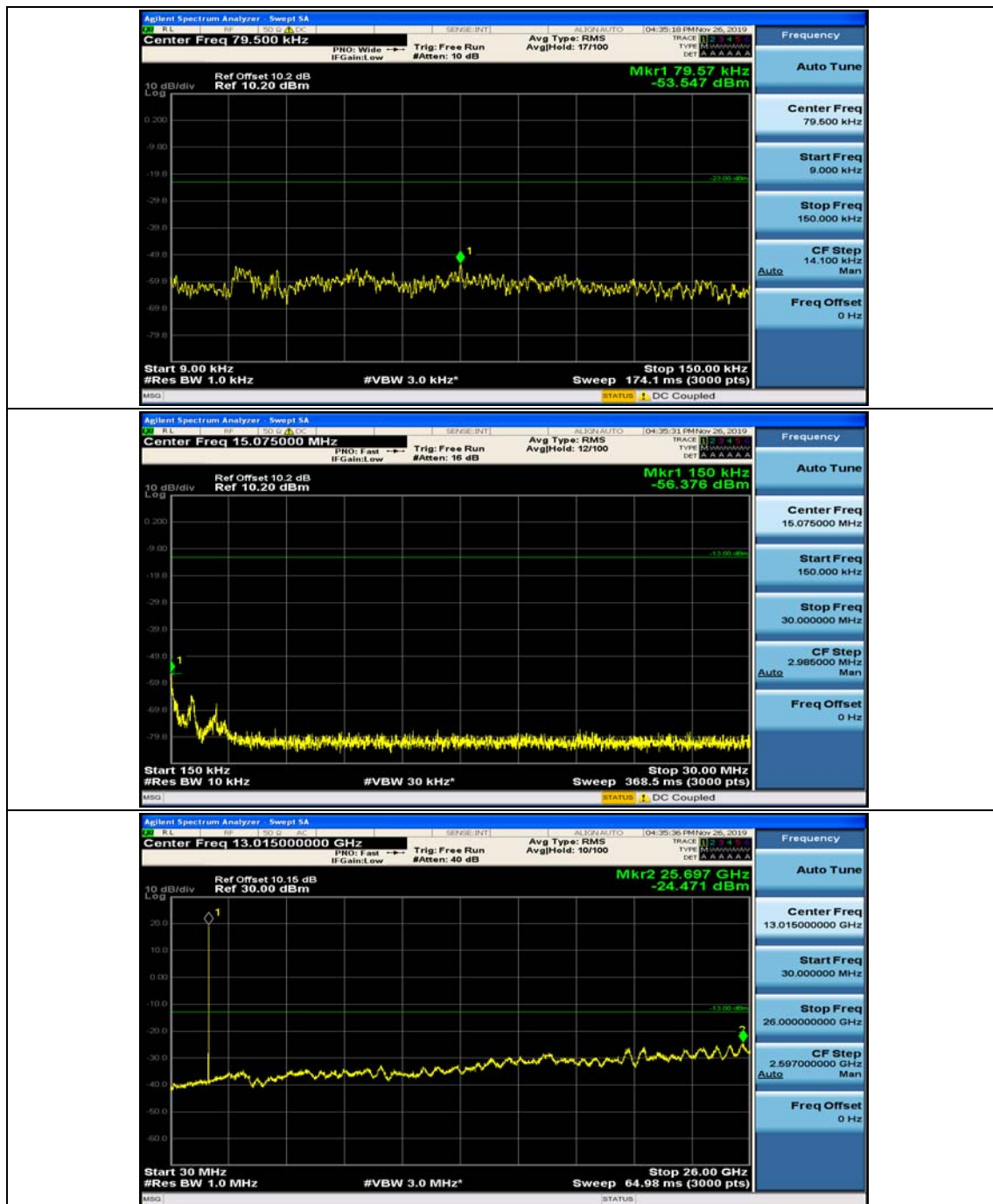


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

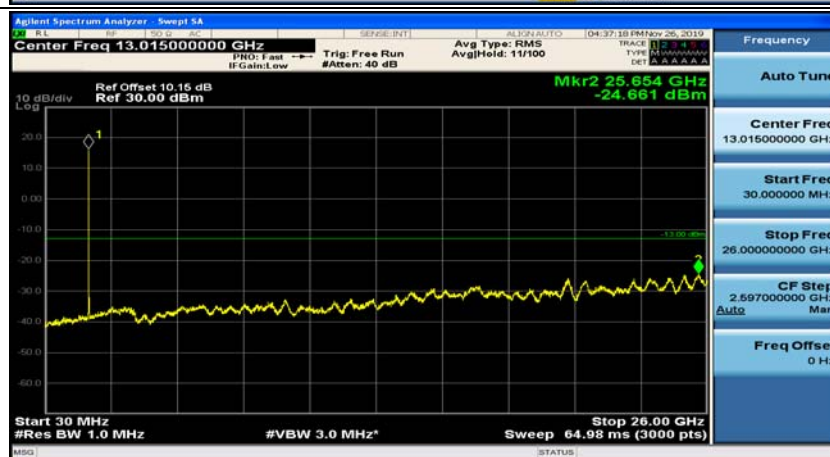
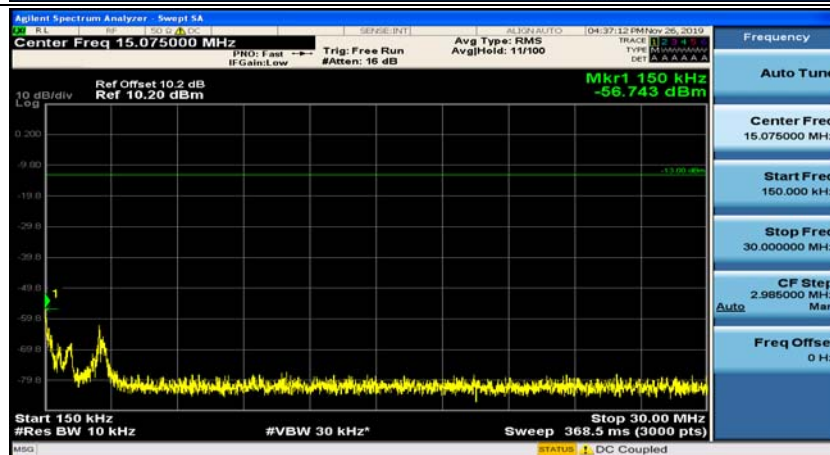


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

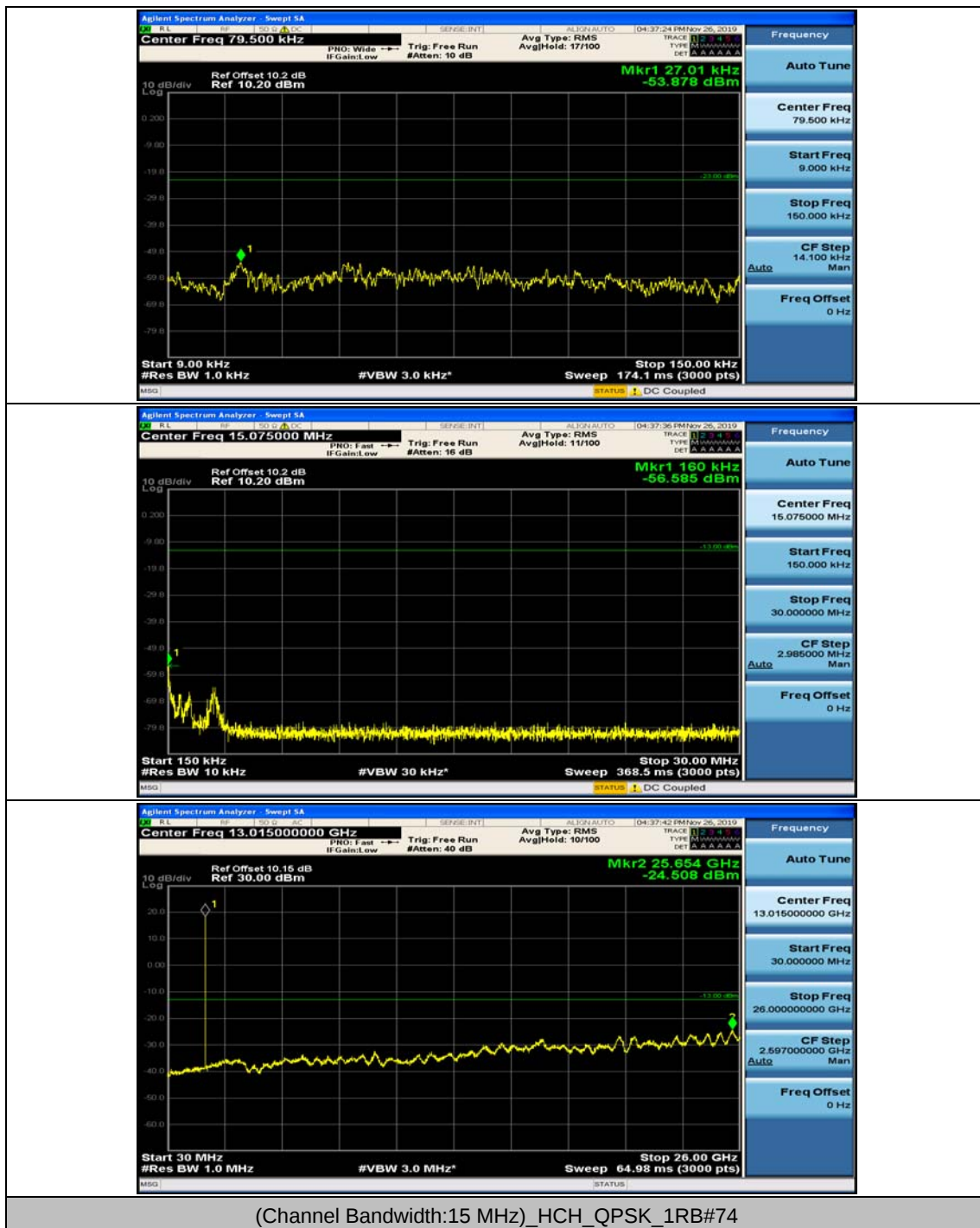


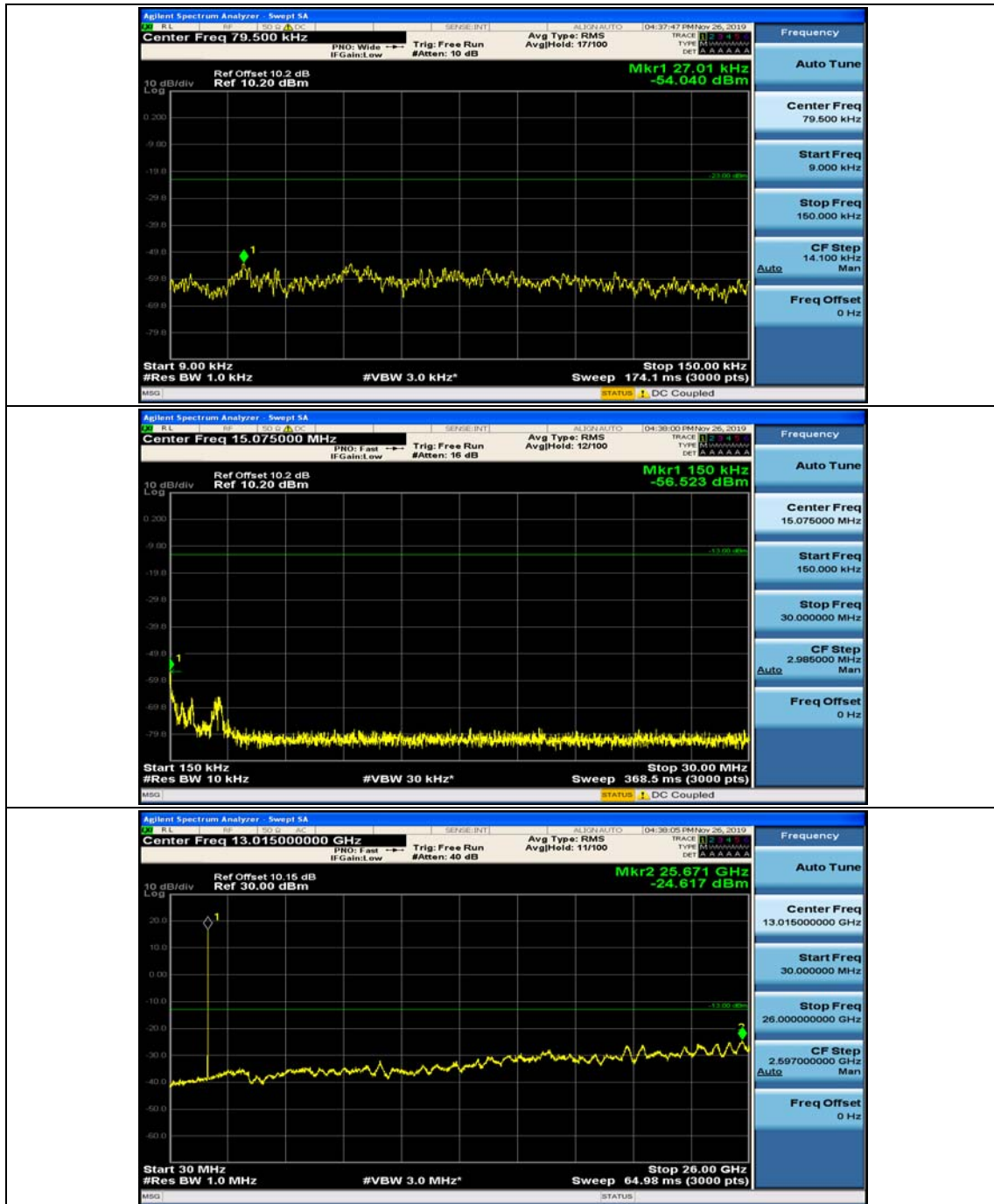


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

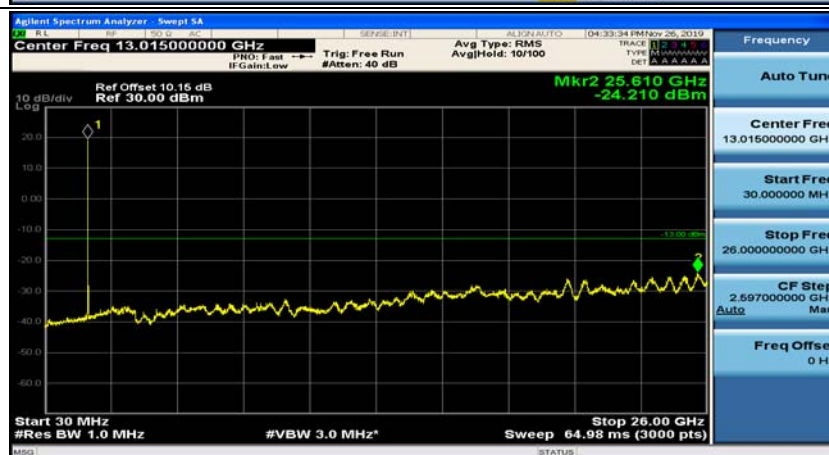
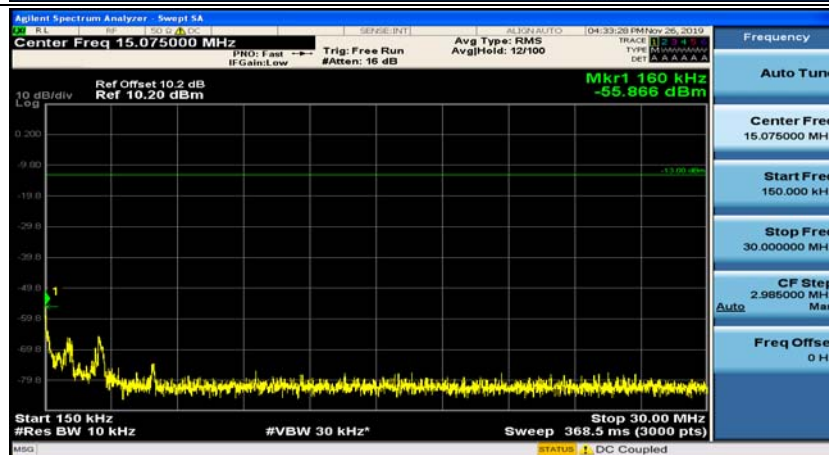
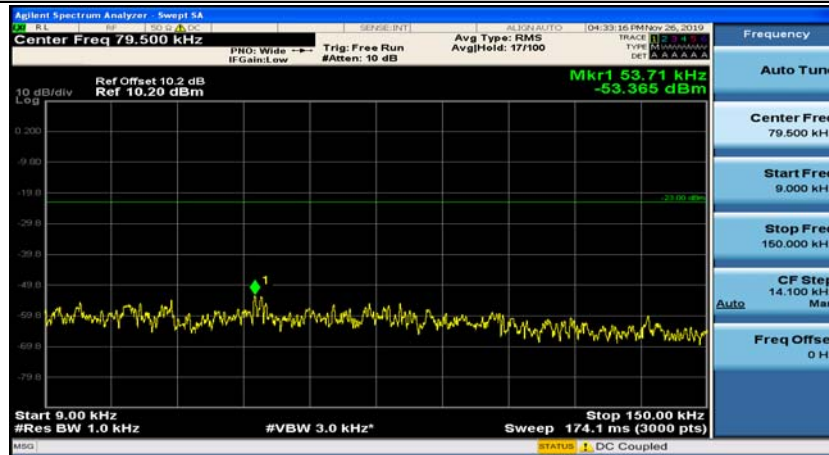


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

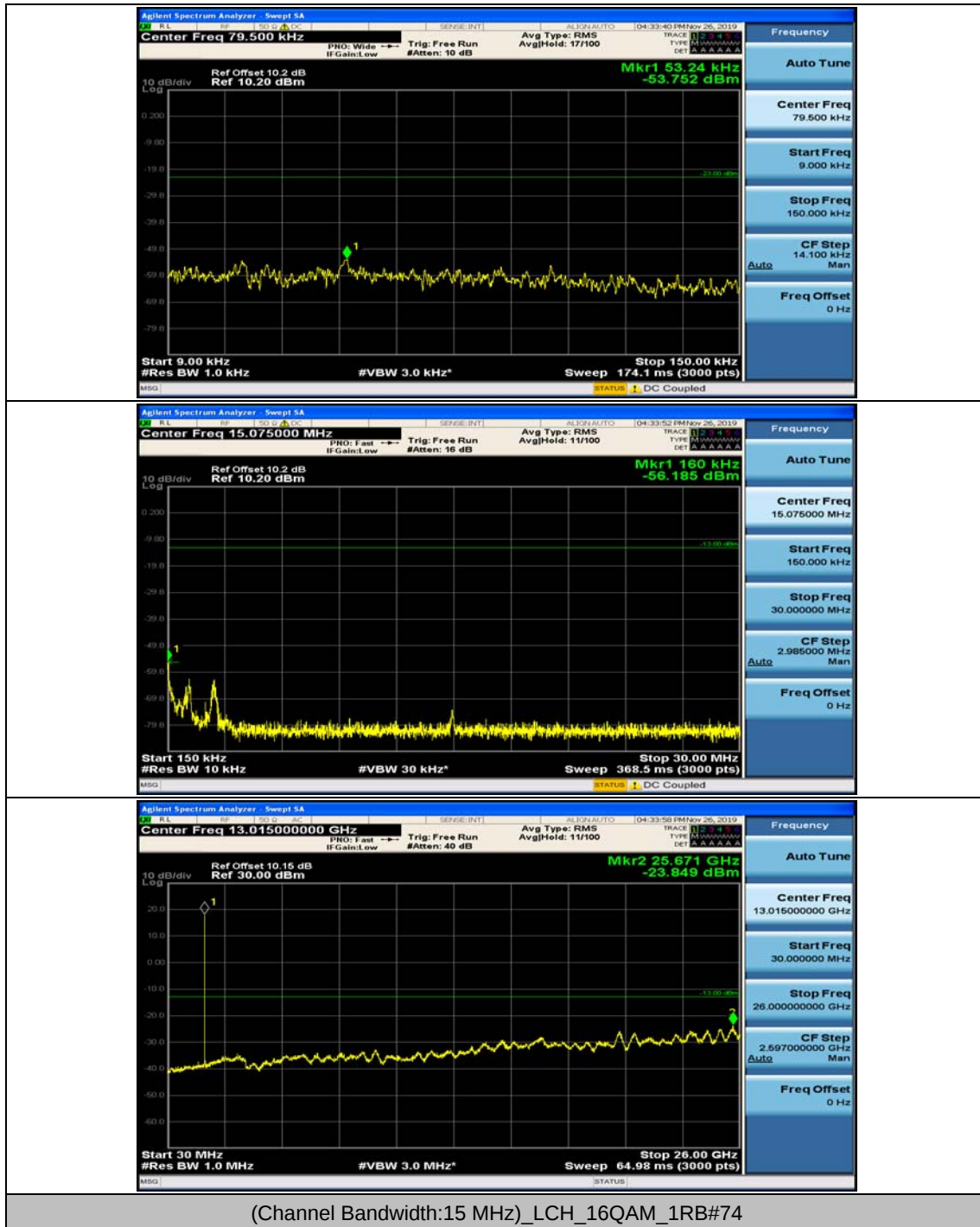


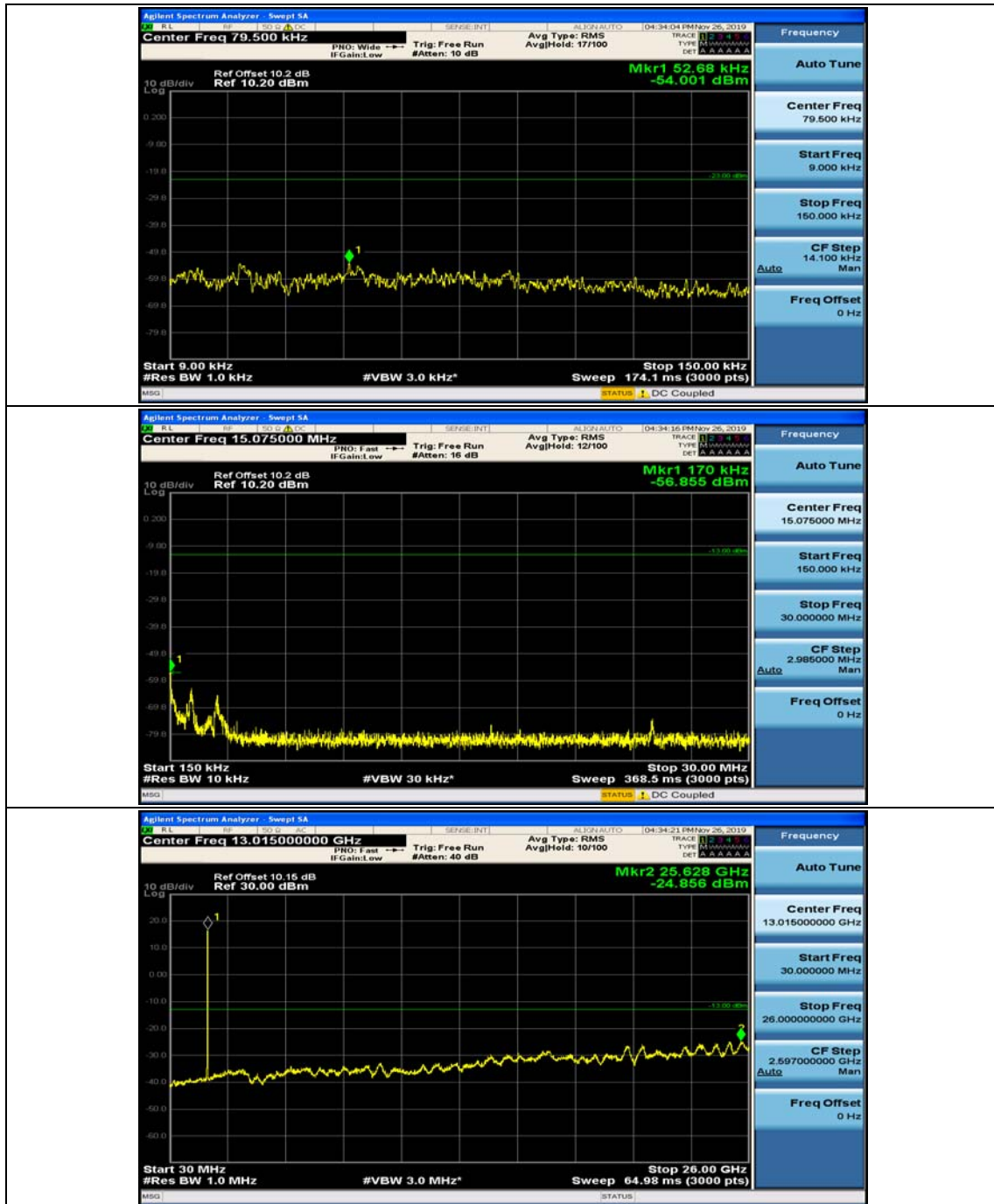


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

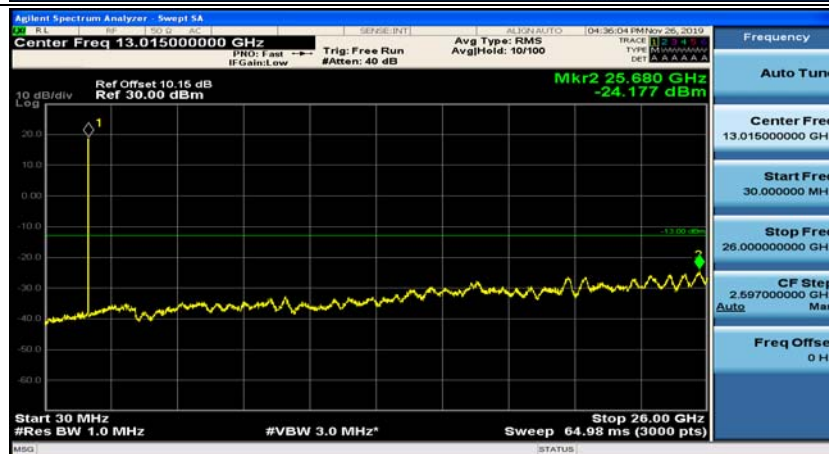
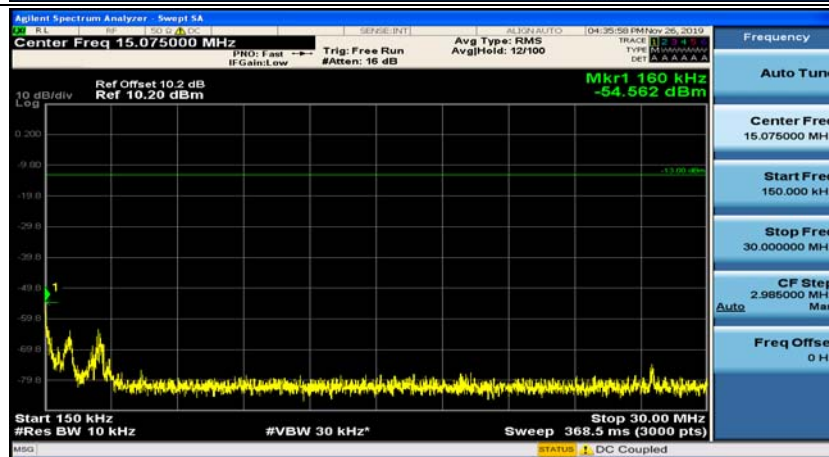


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

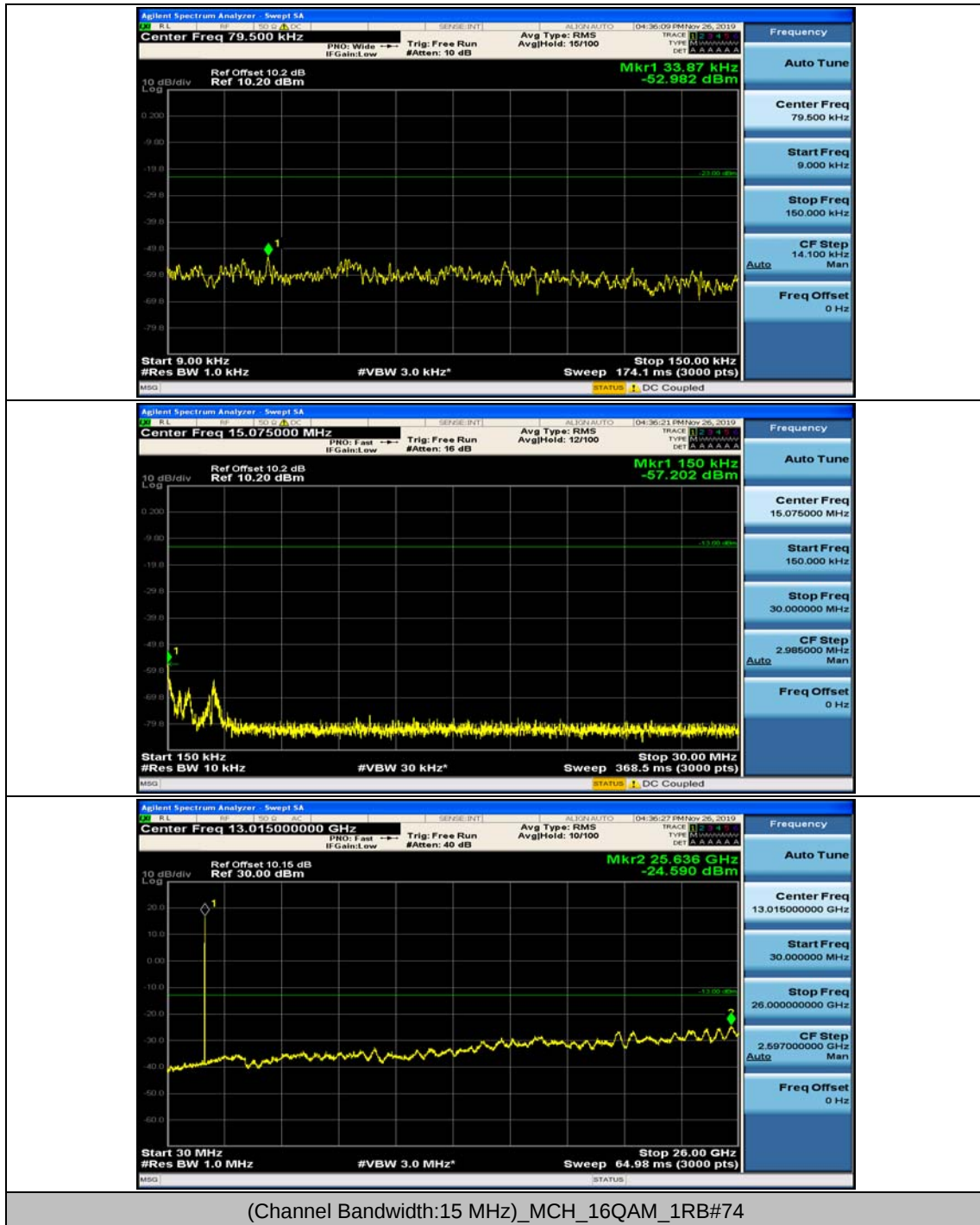


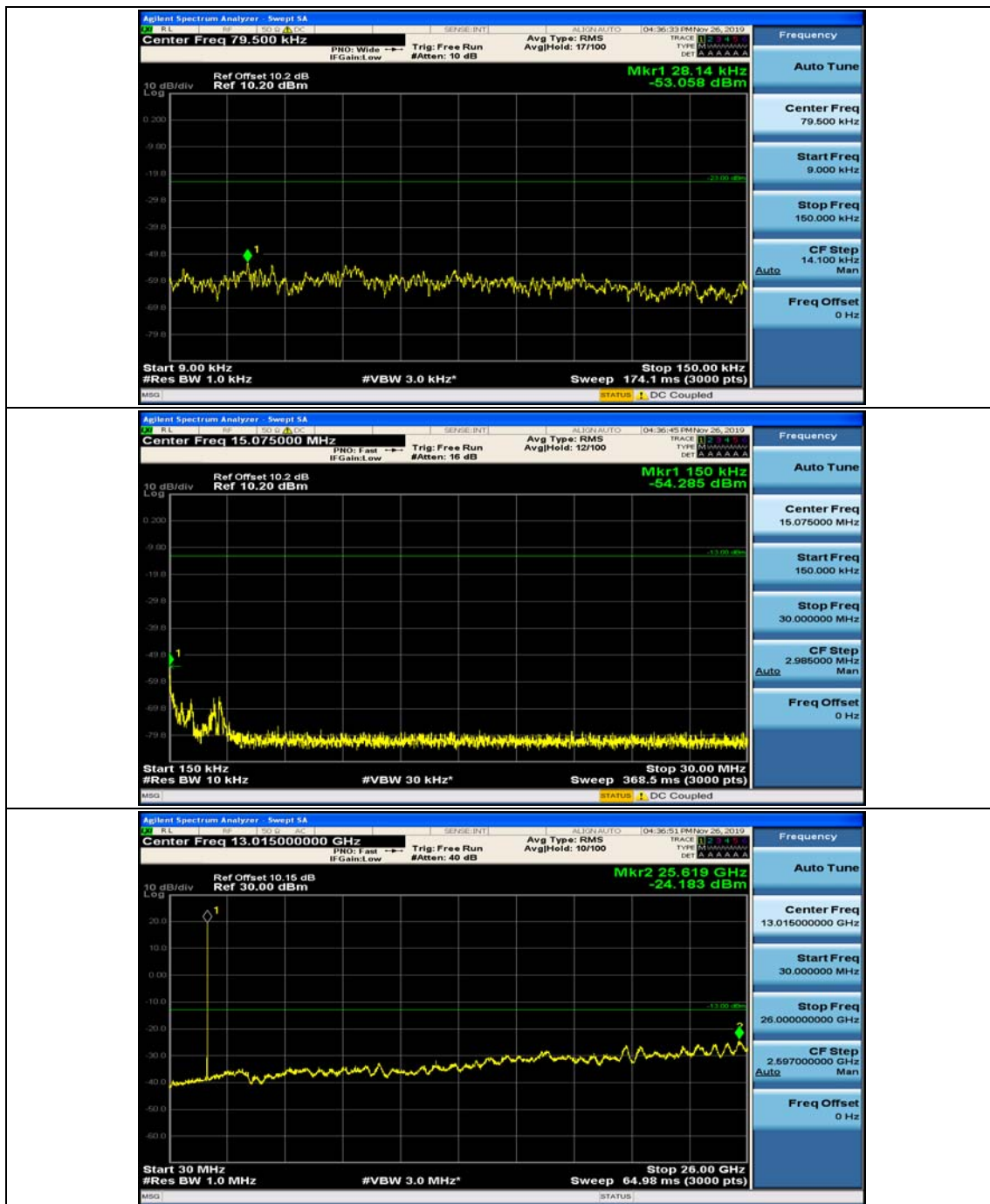


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

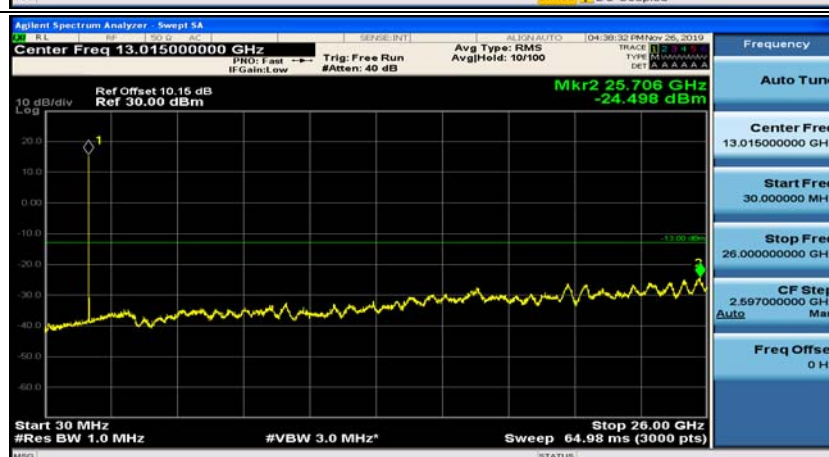
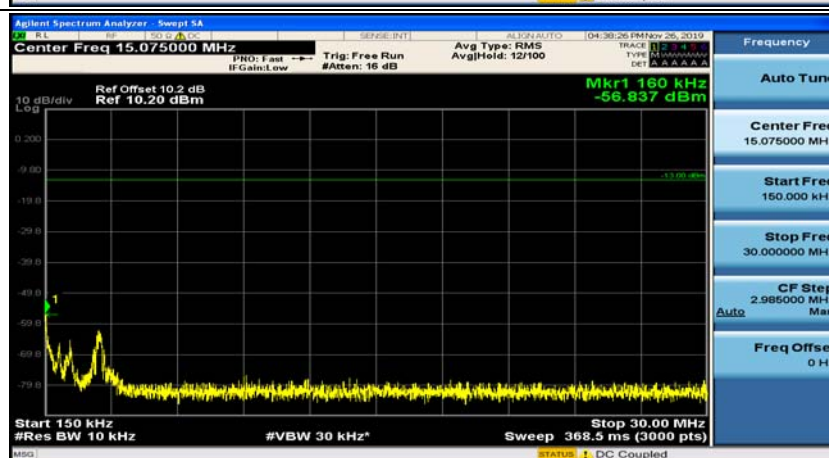
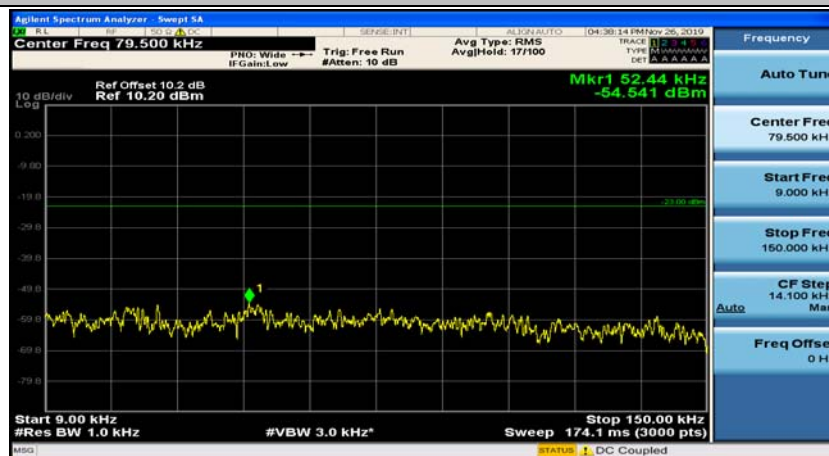


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

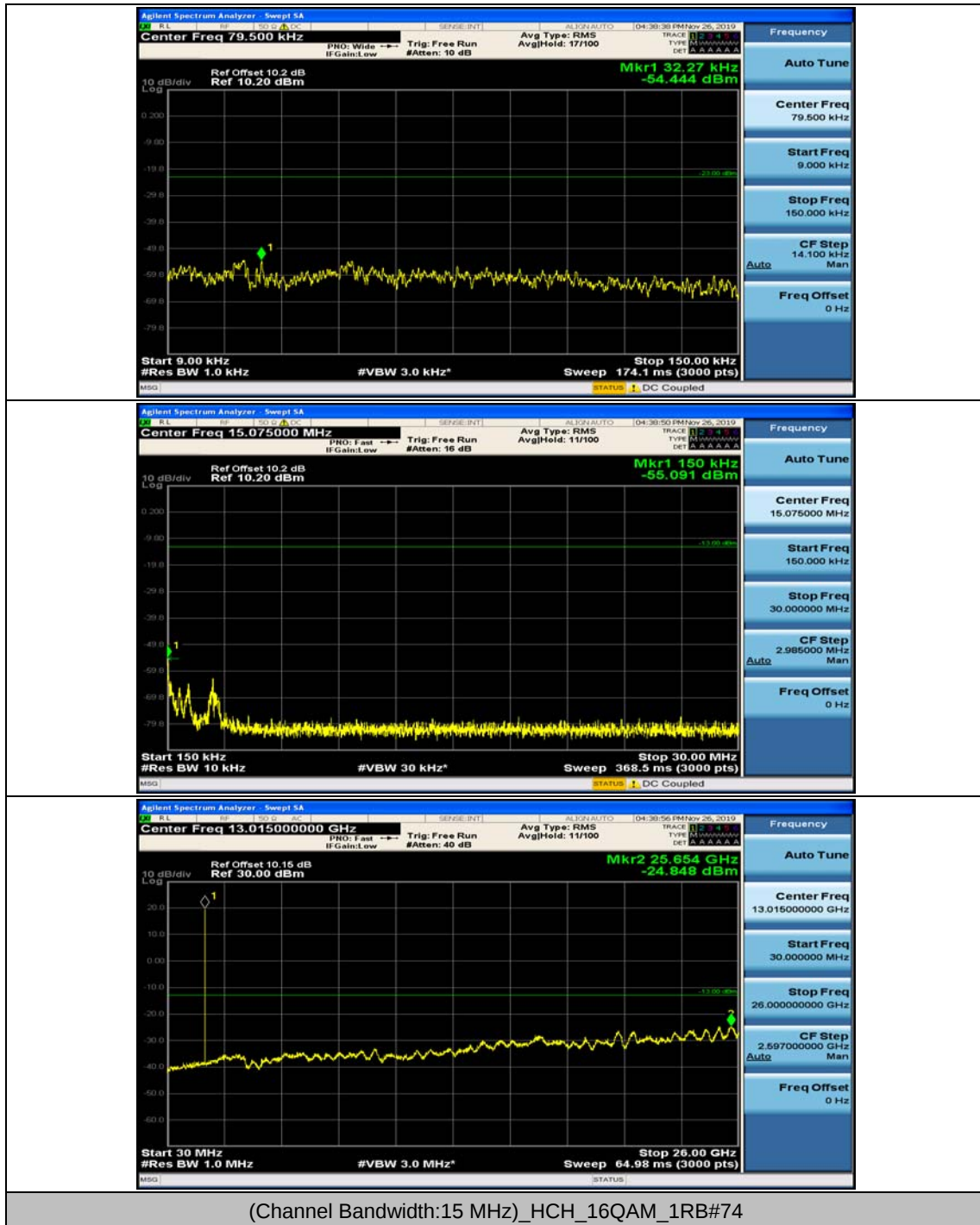


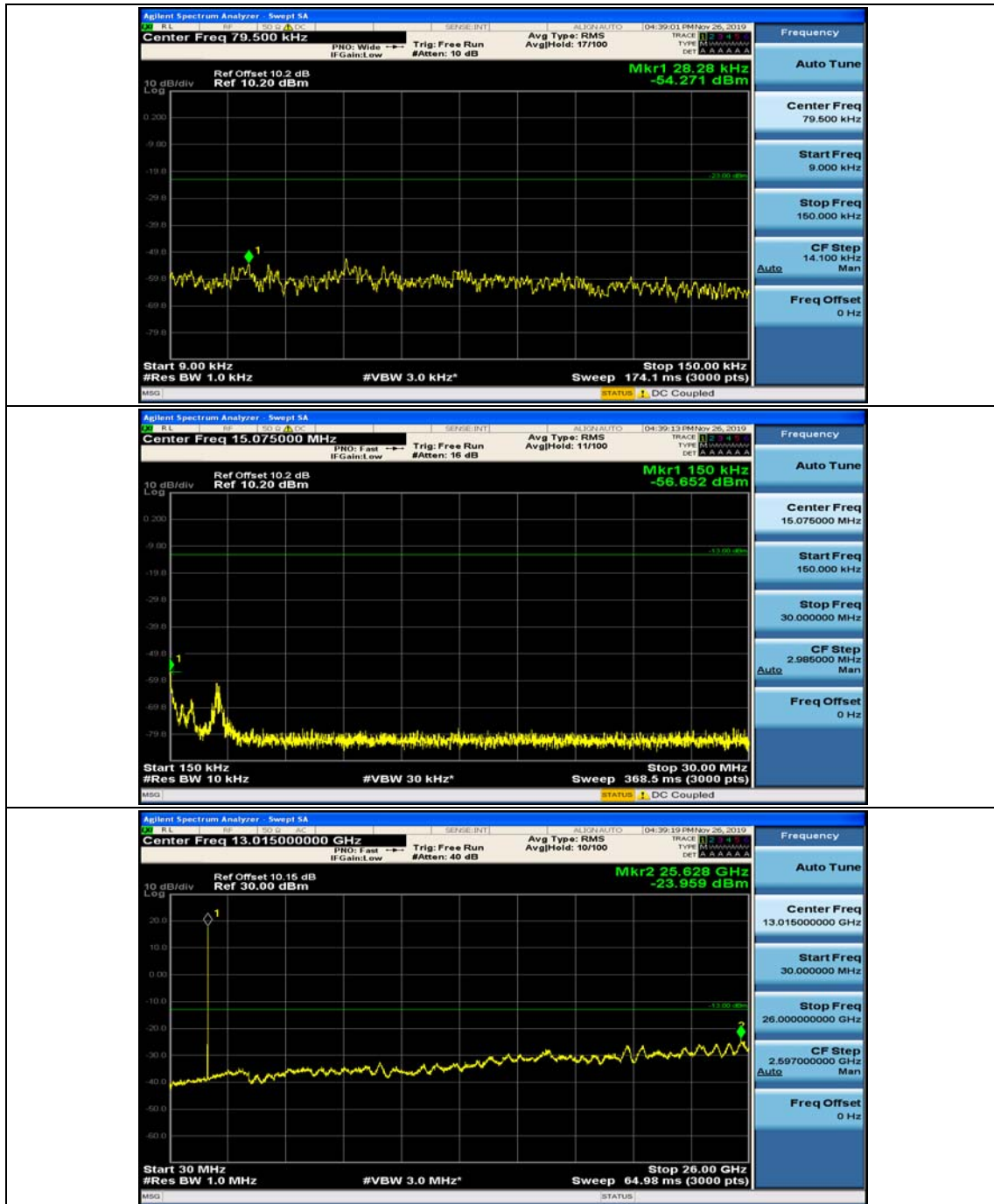


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

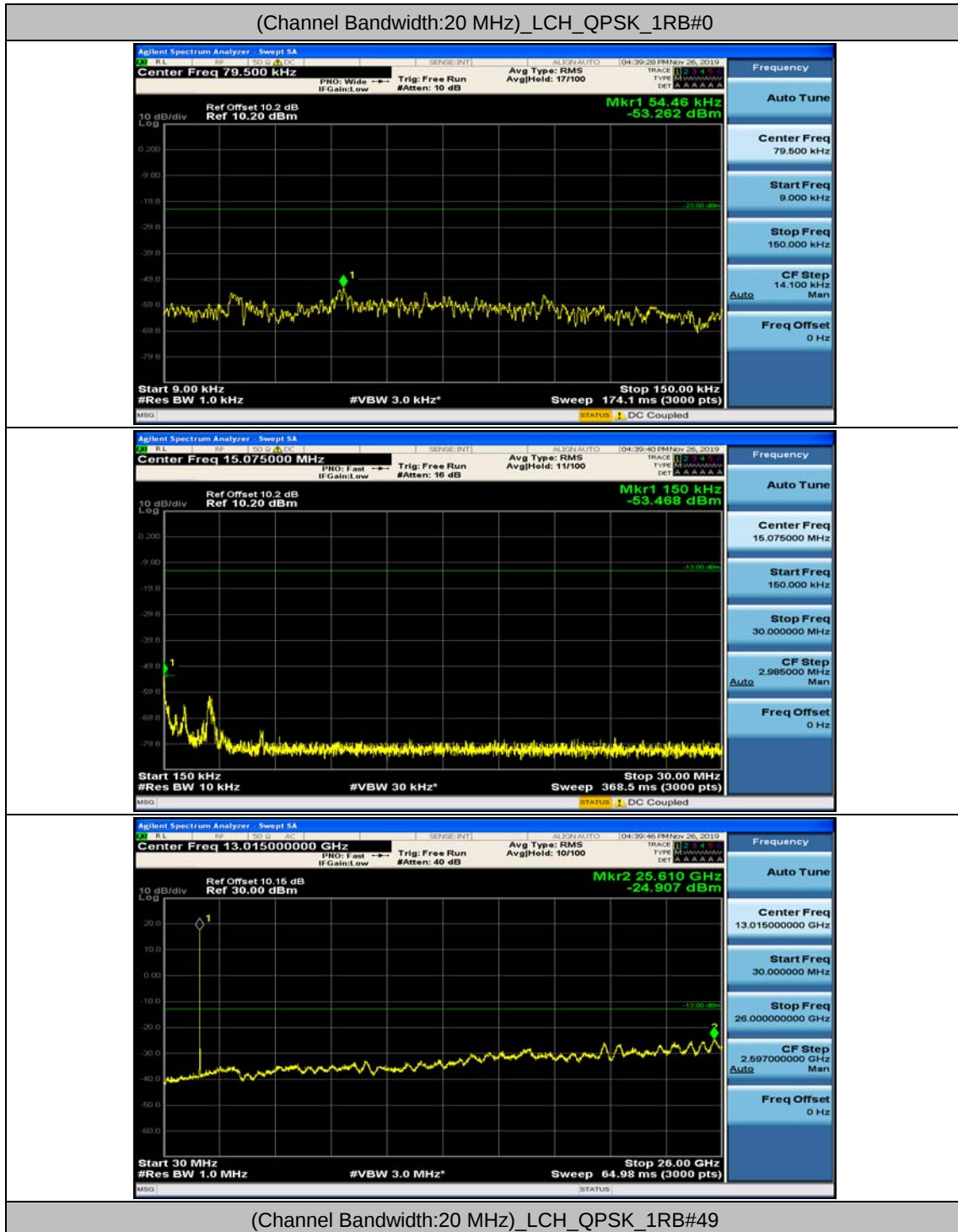


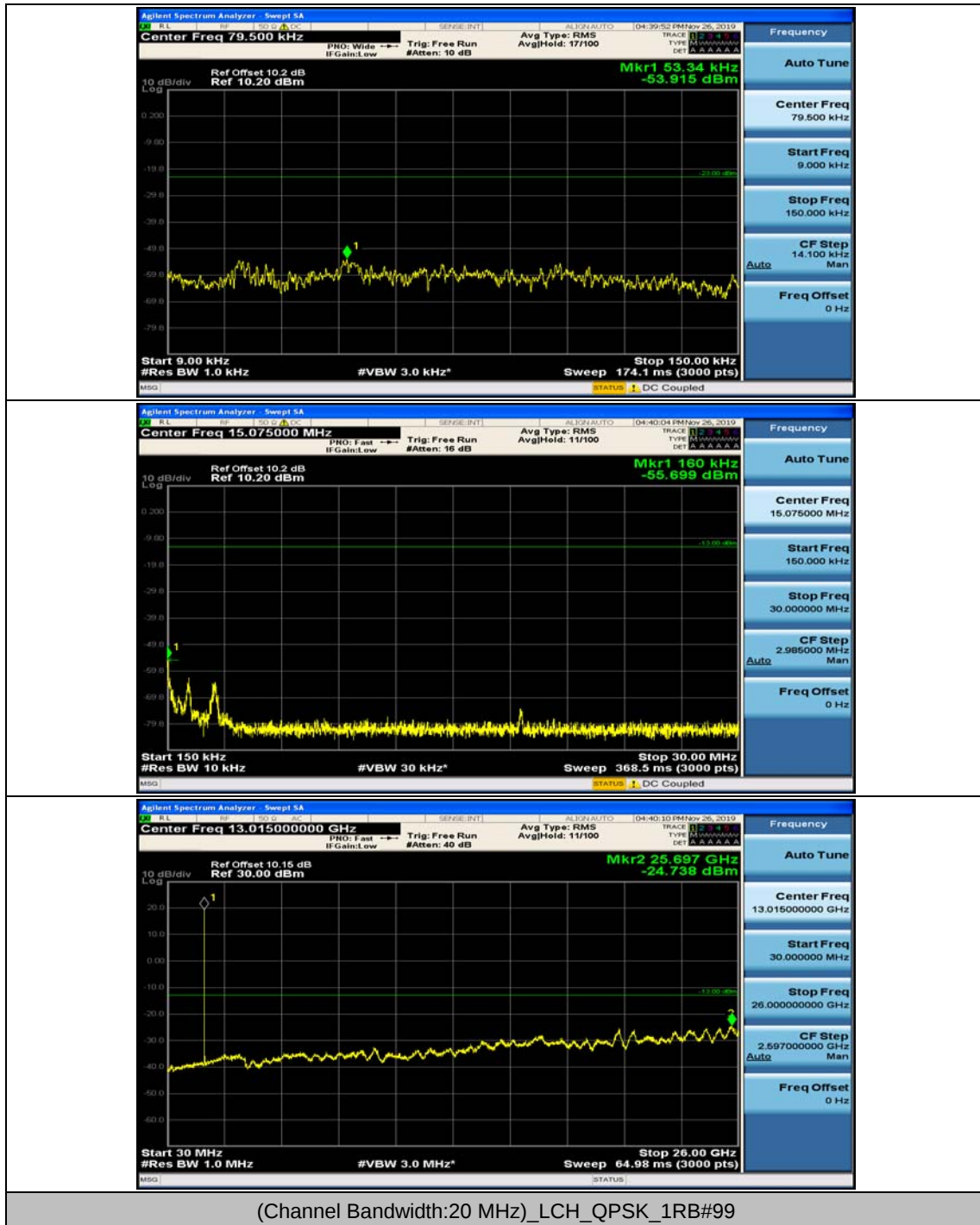
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

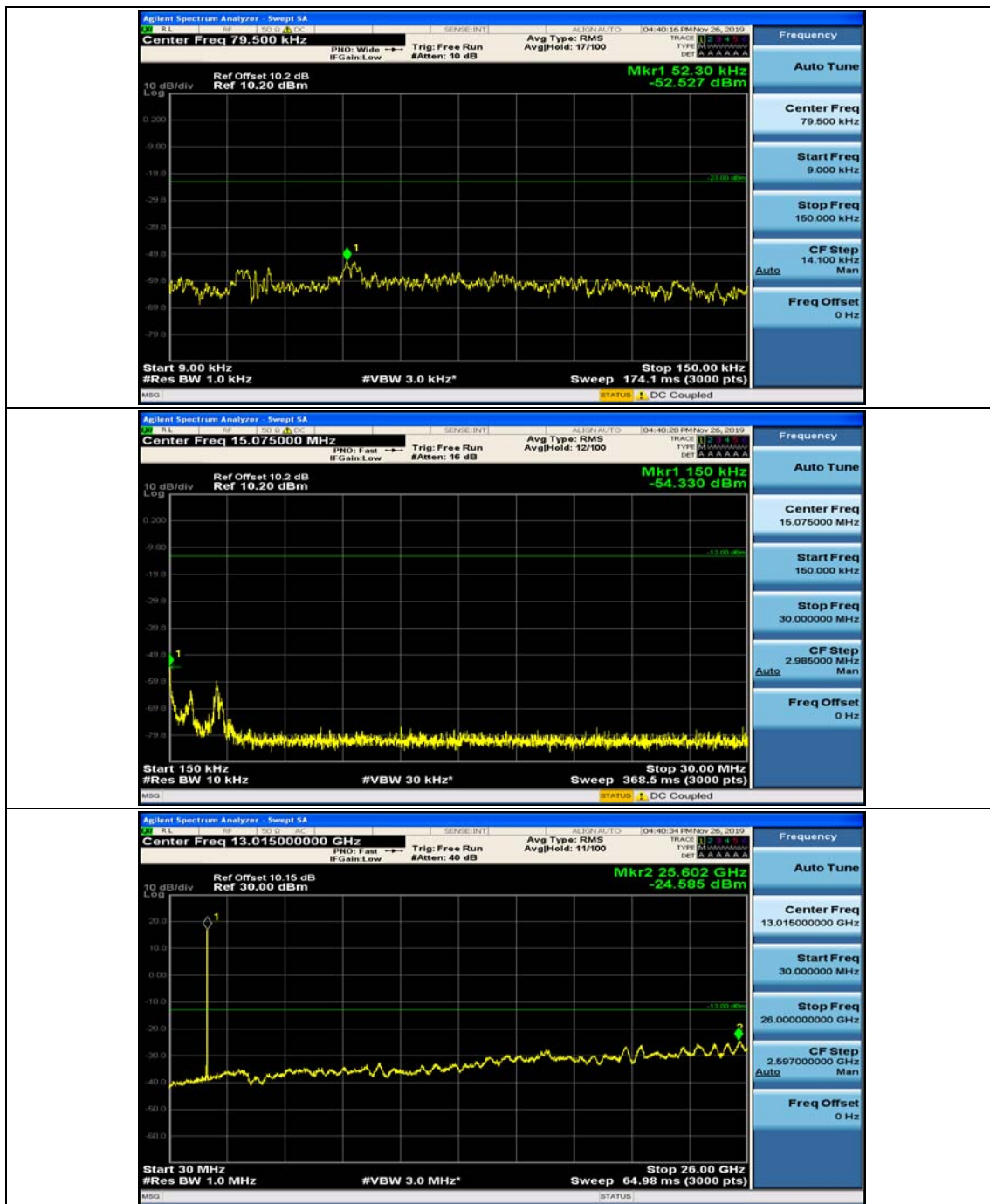




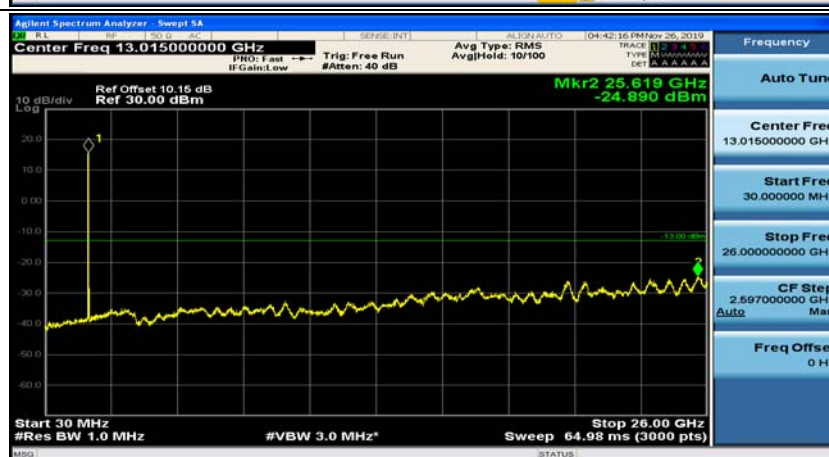
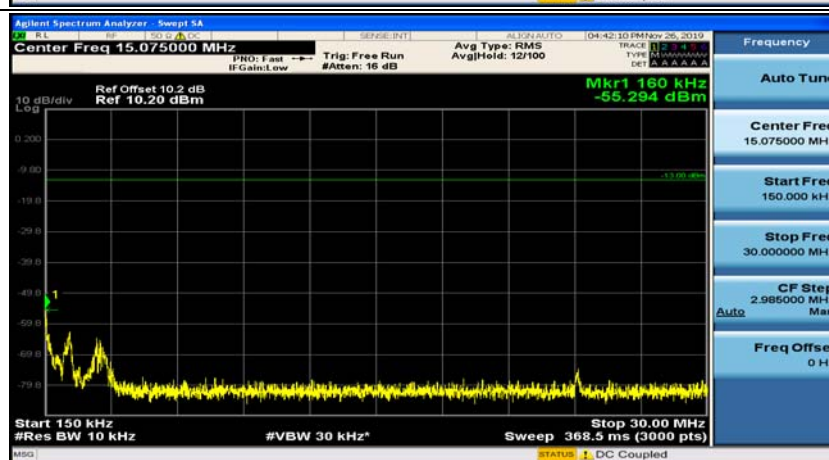
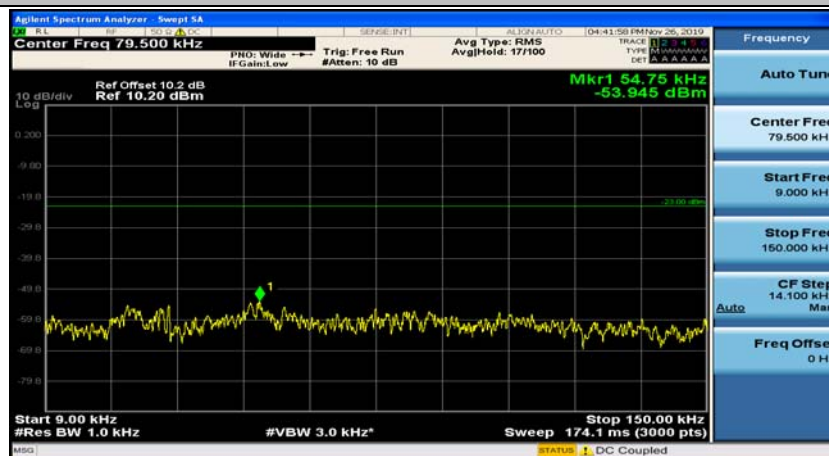
Channel Bandwidth: 20 MHz



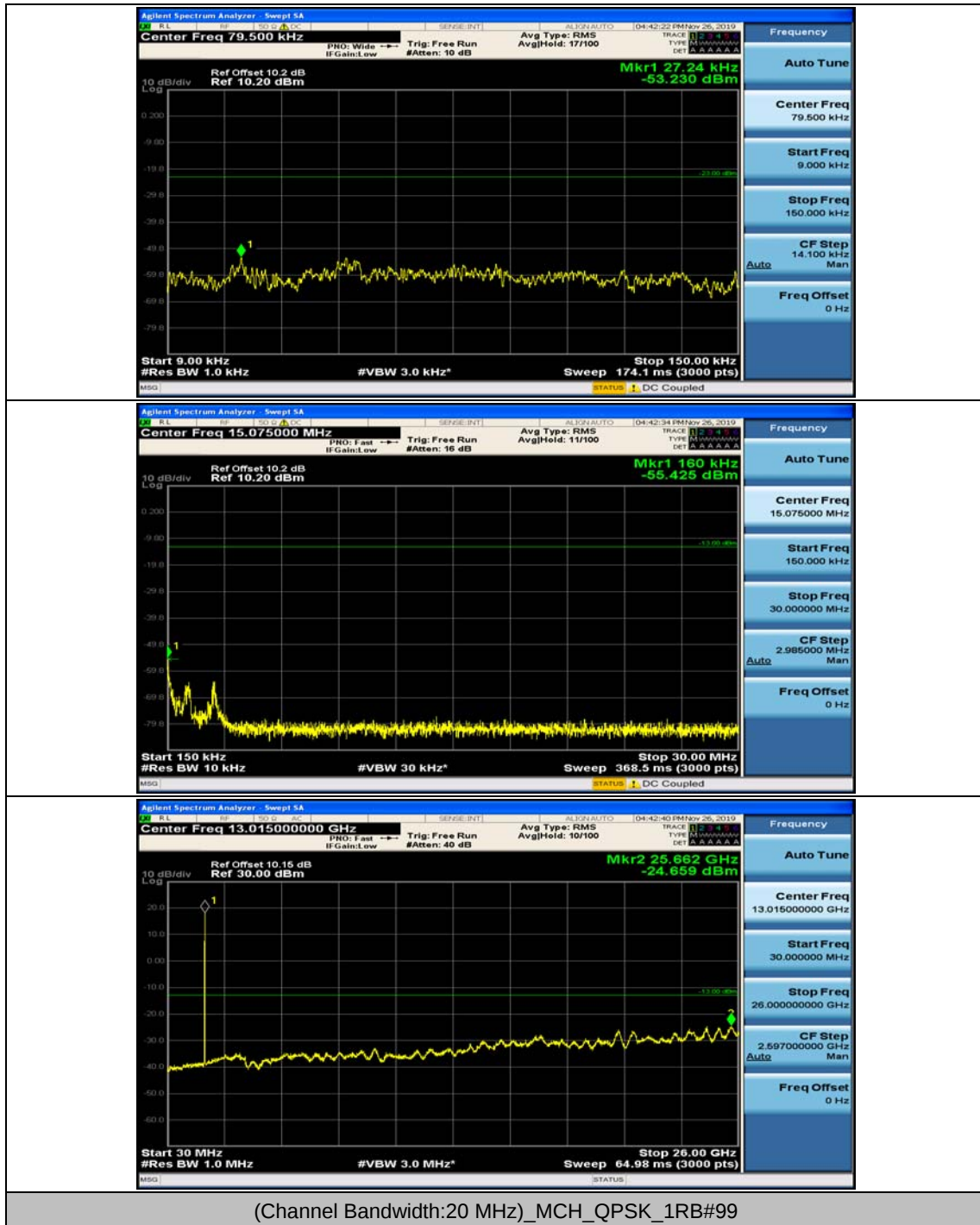


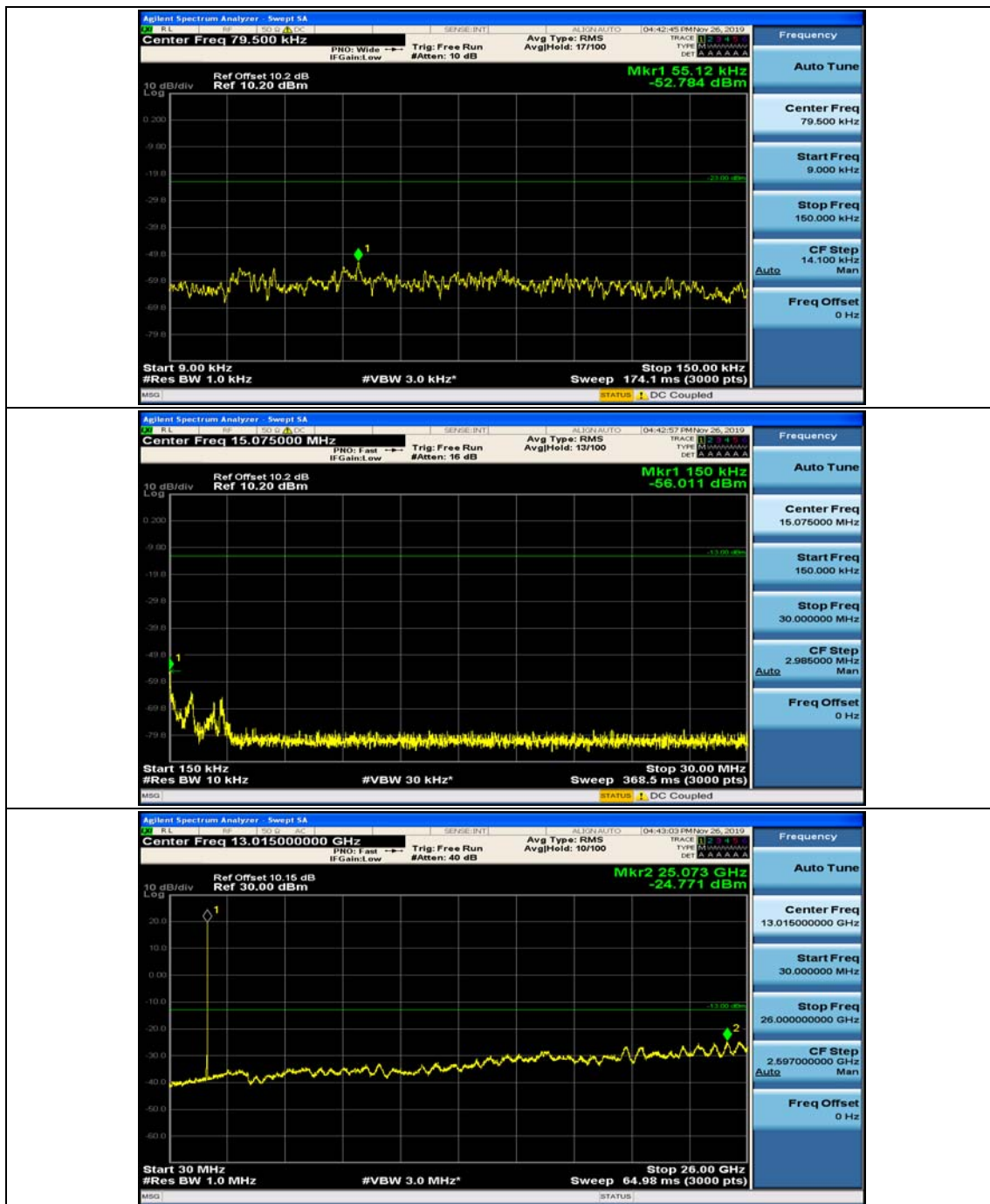


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

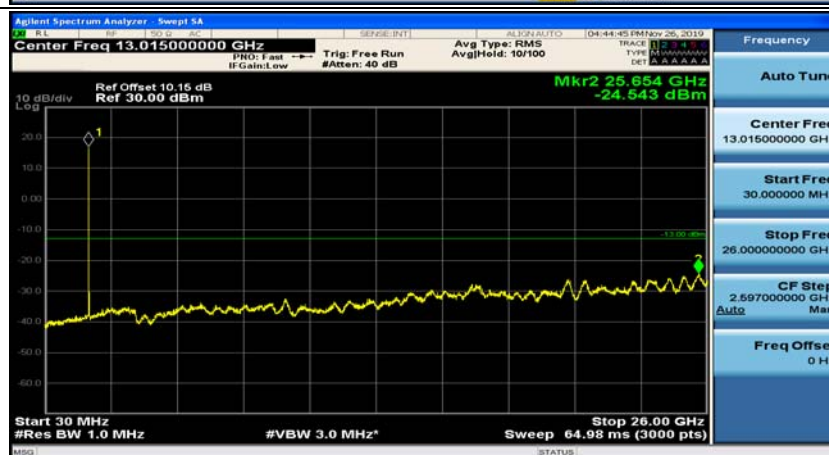
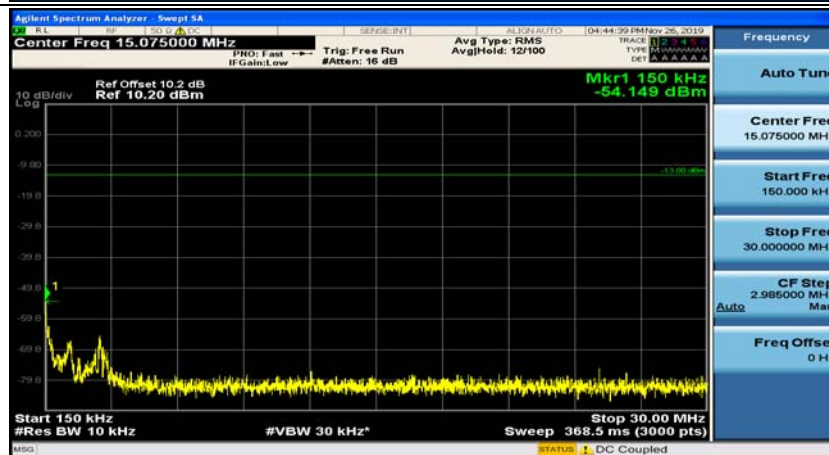


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

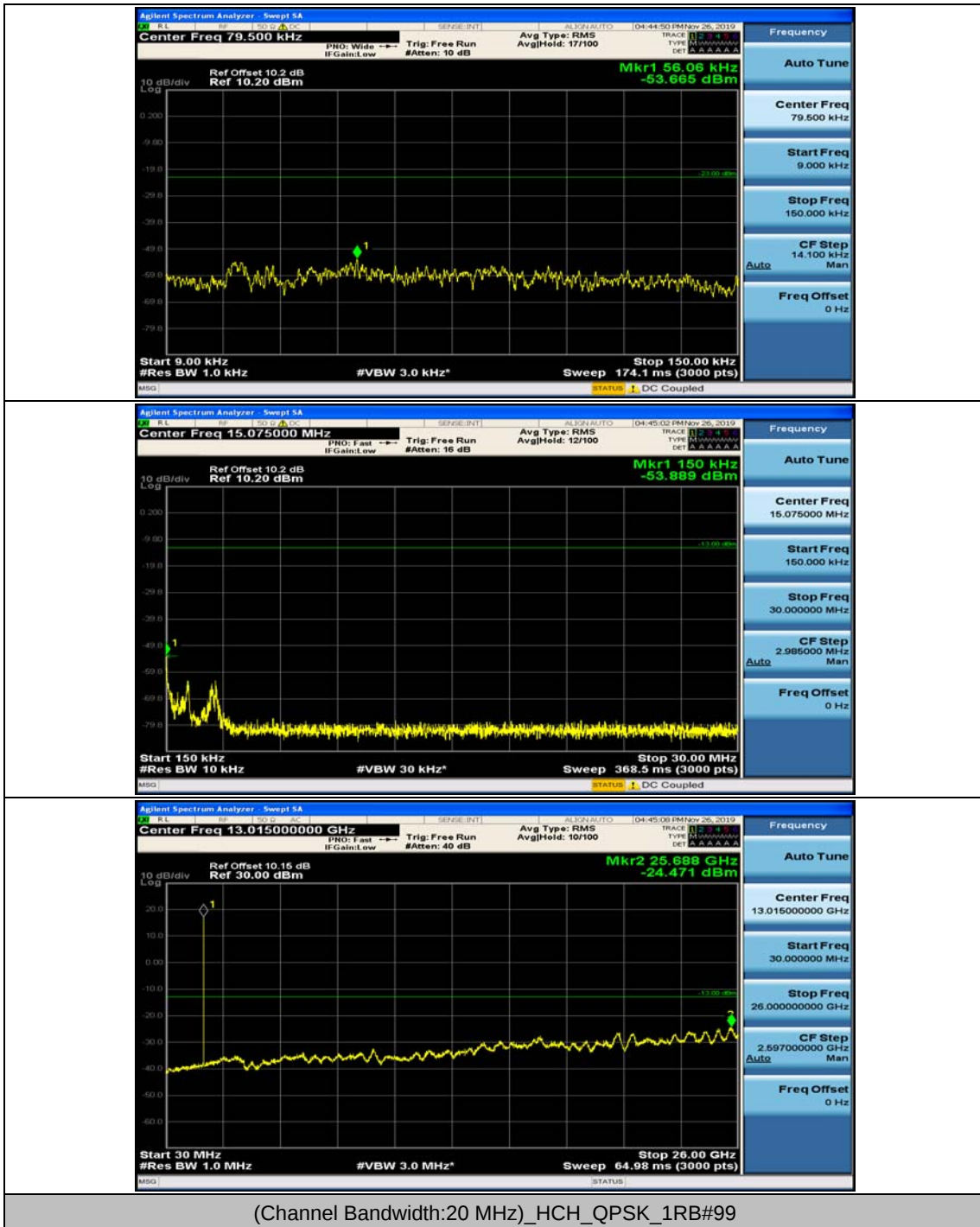


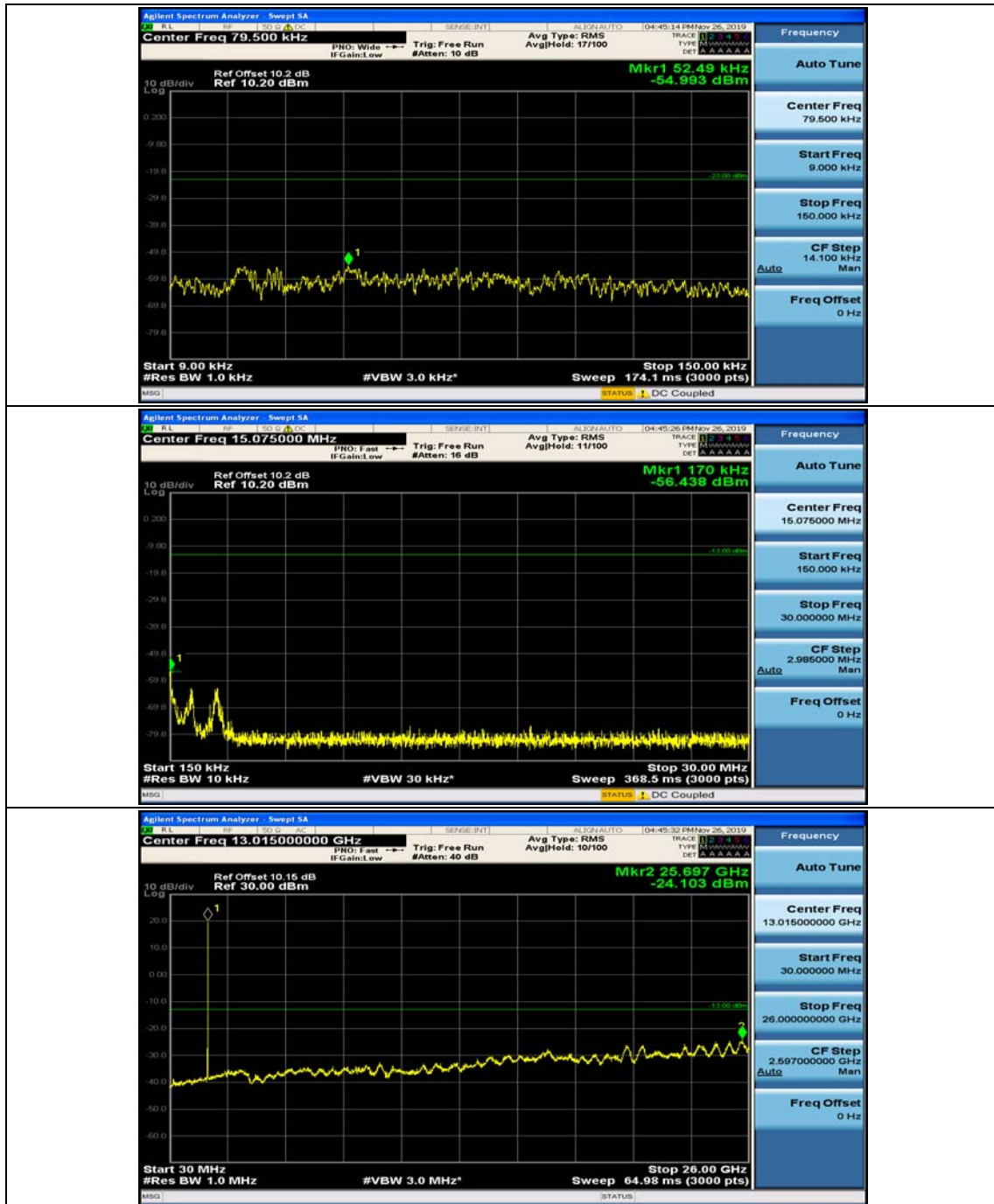


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

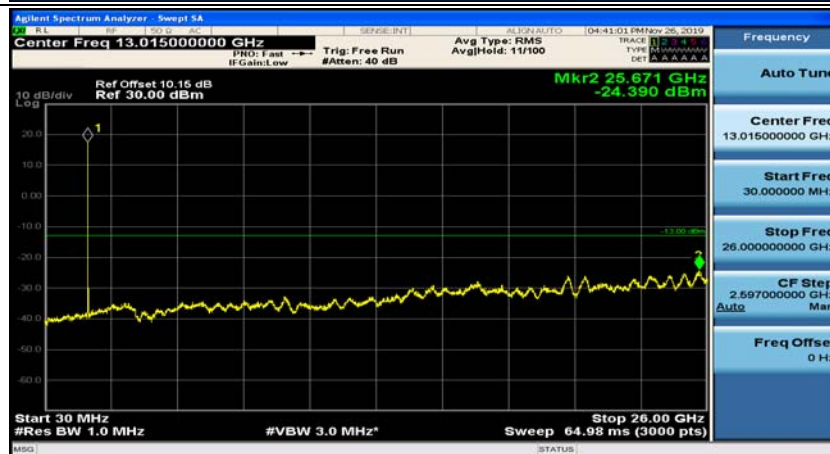
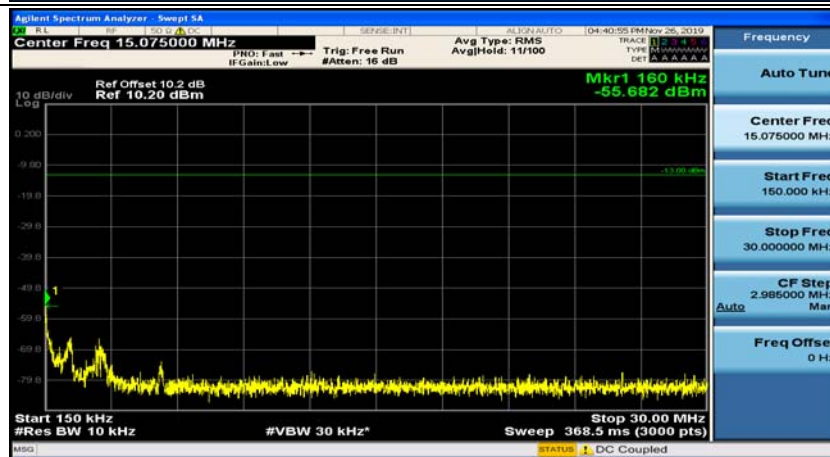


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

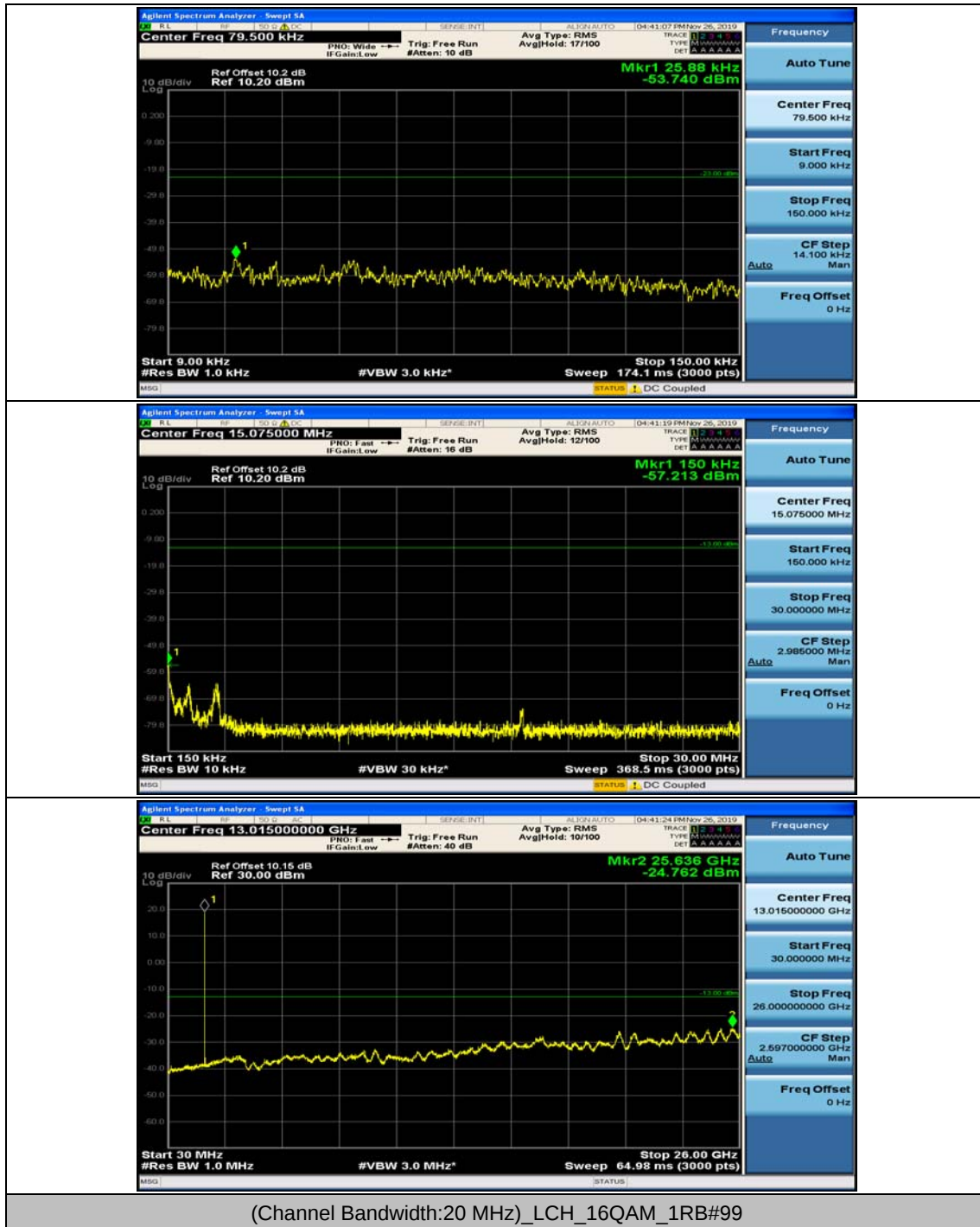


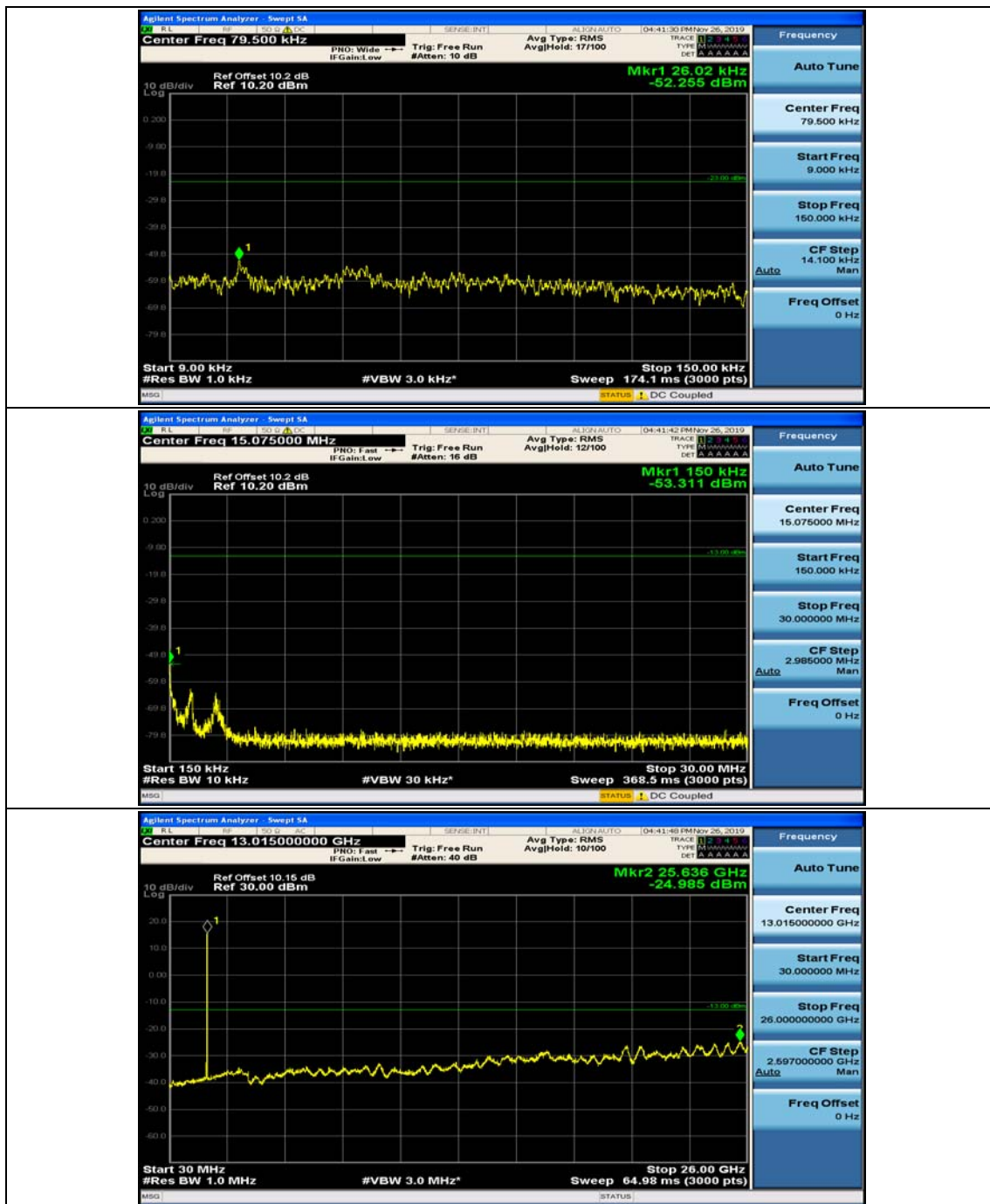


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

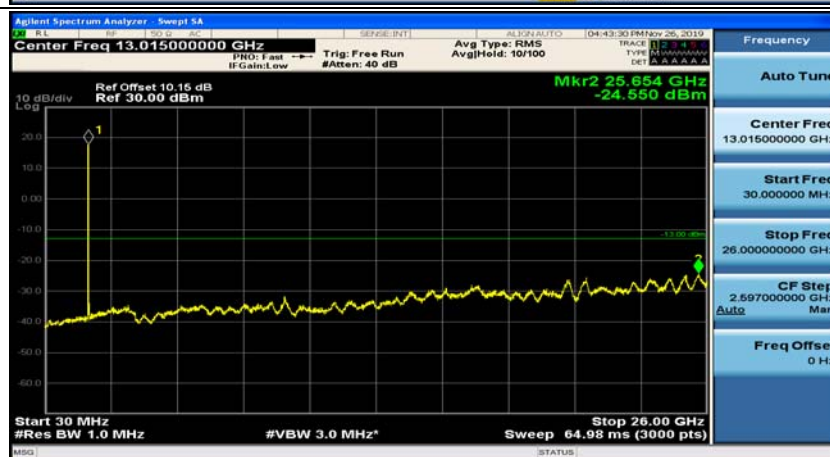
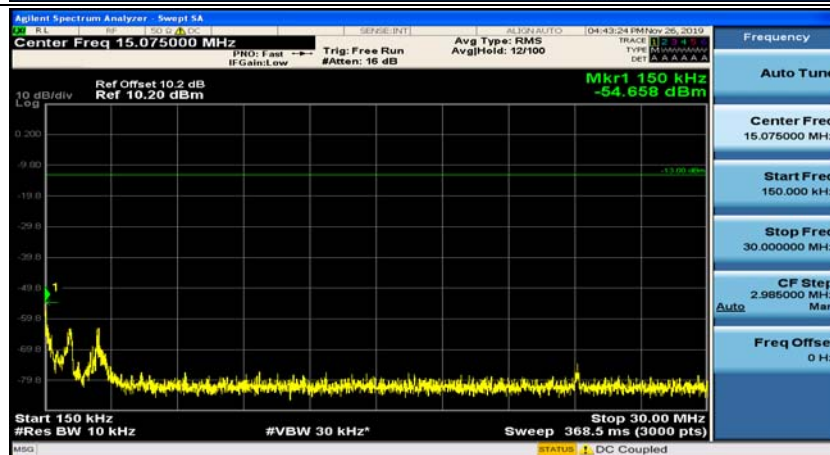


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

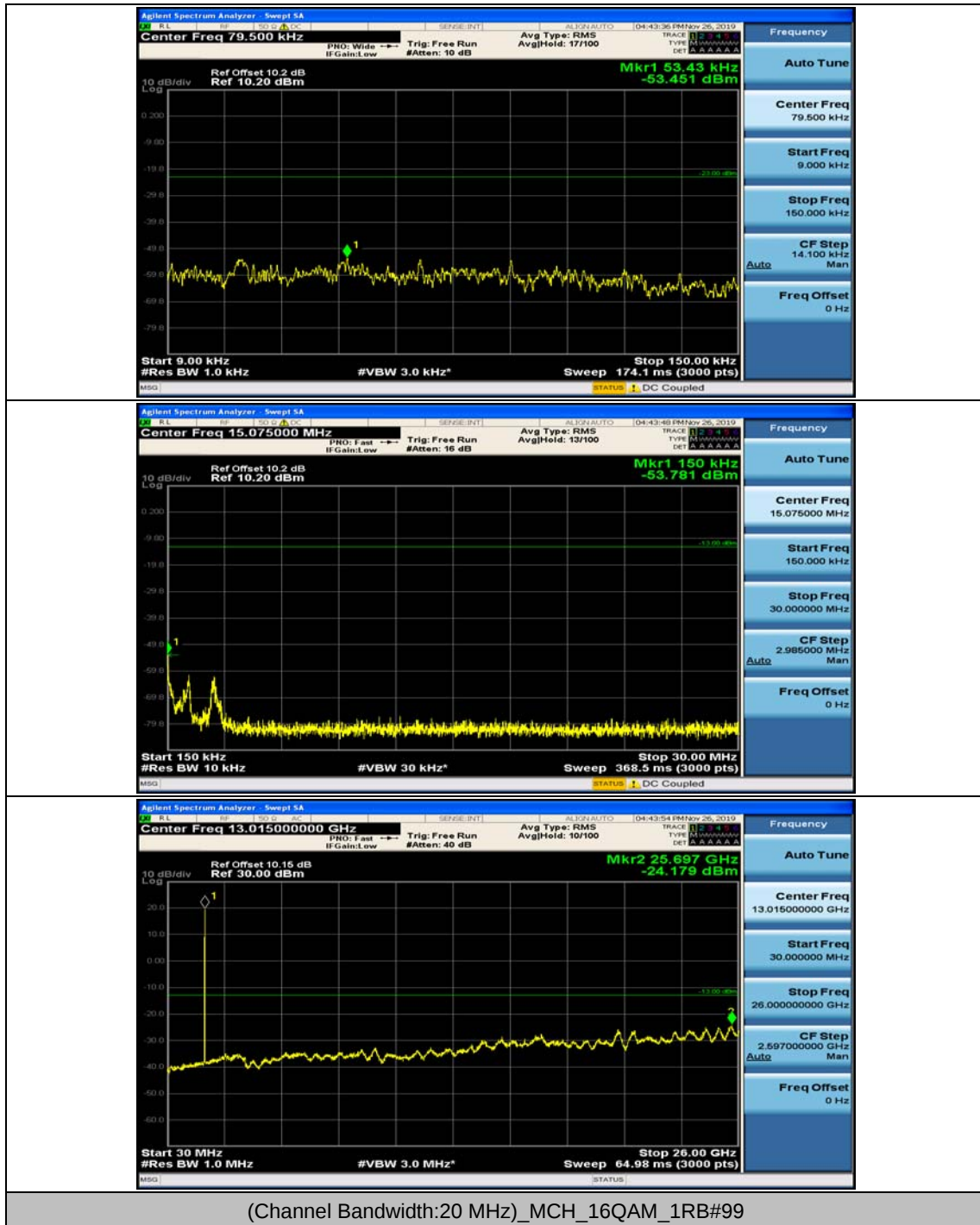


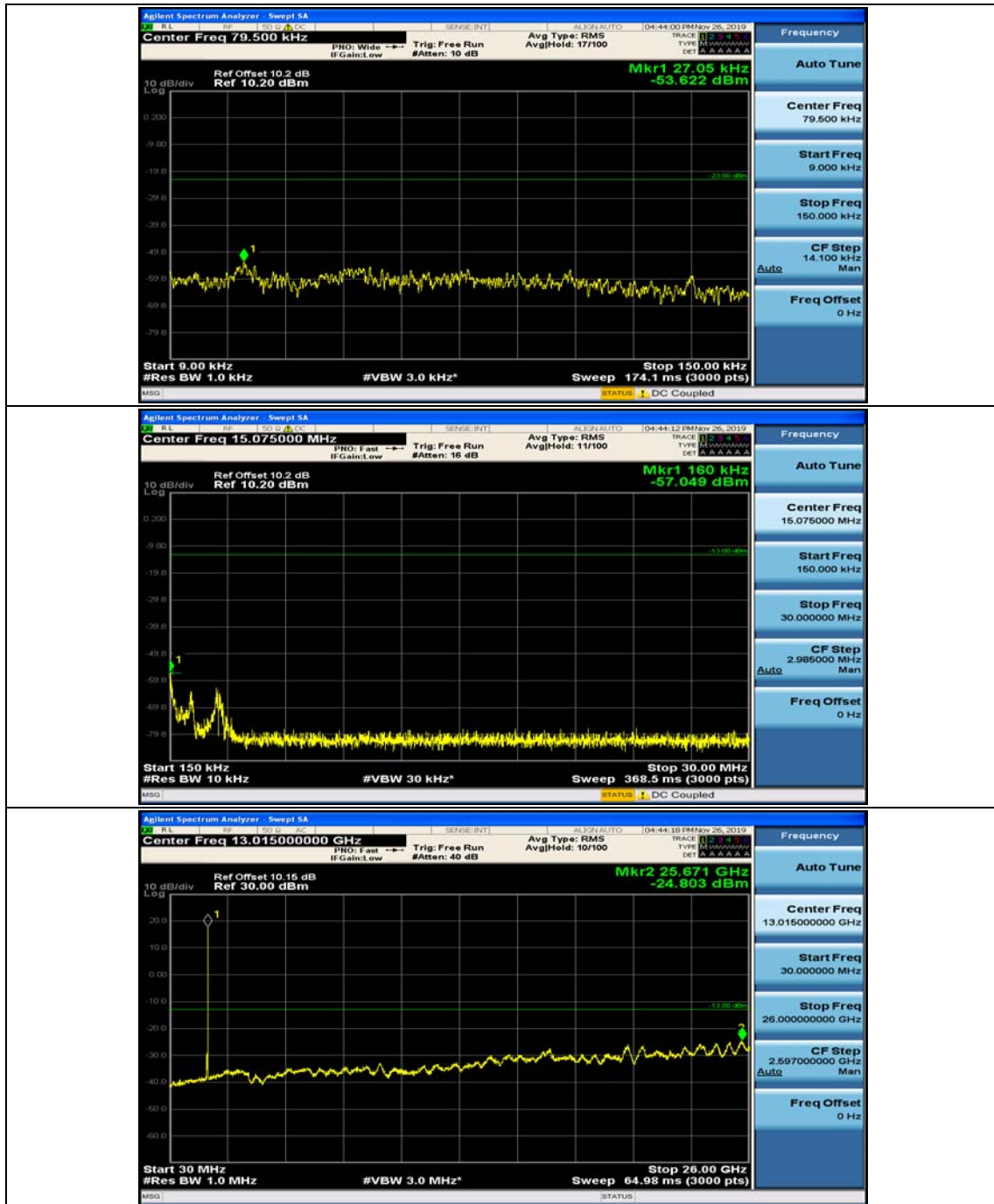


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

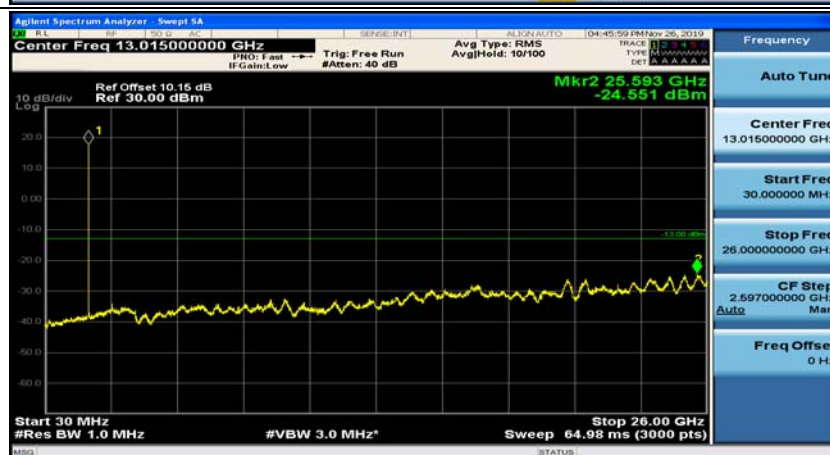
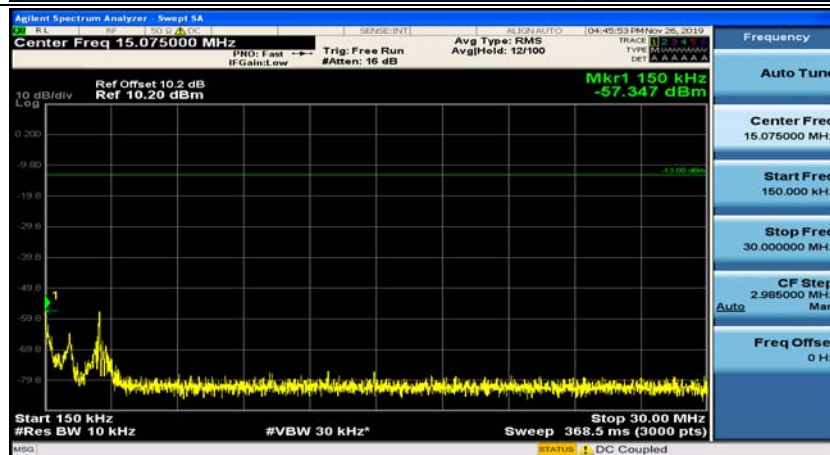


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

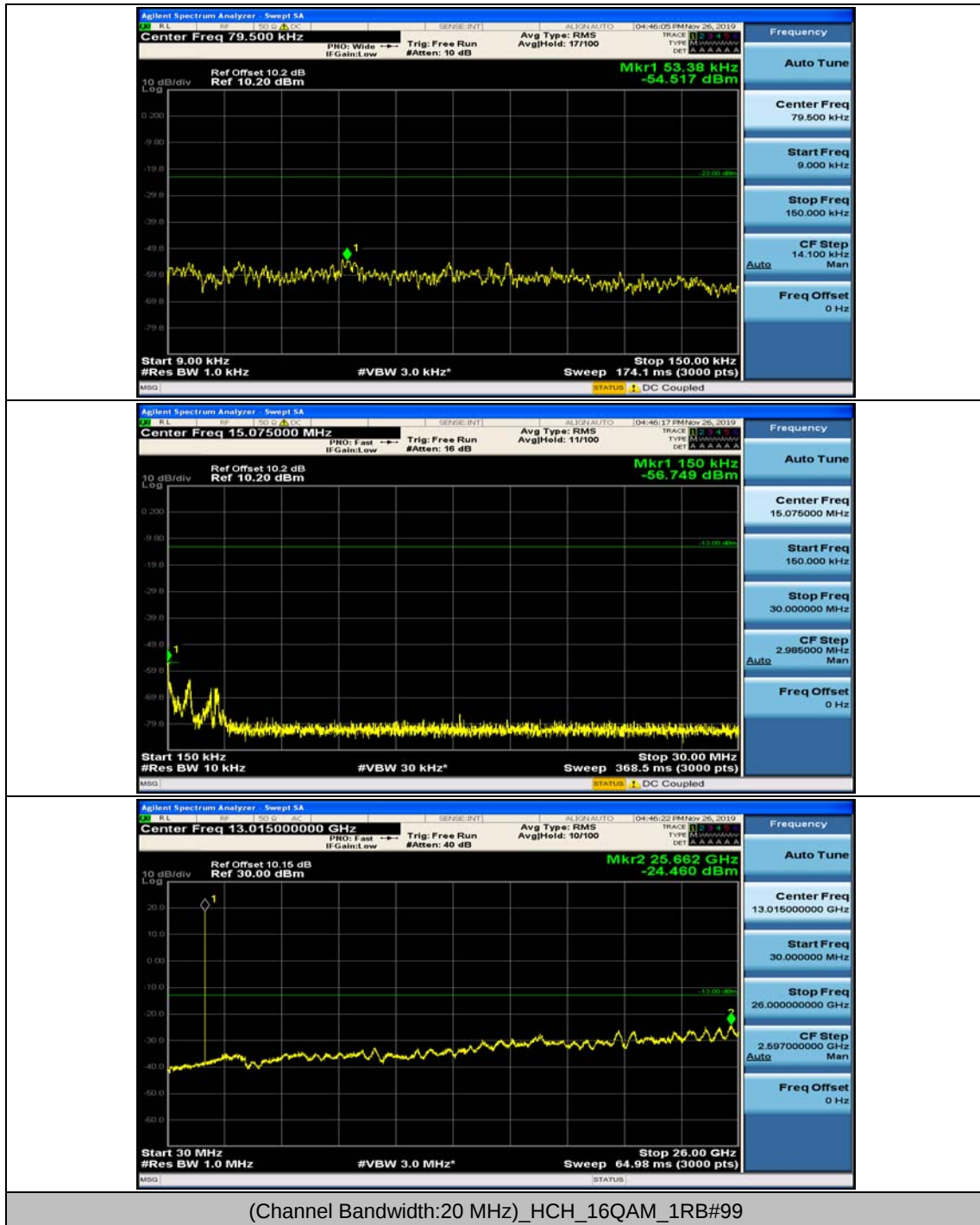


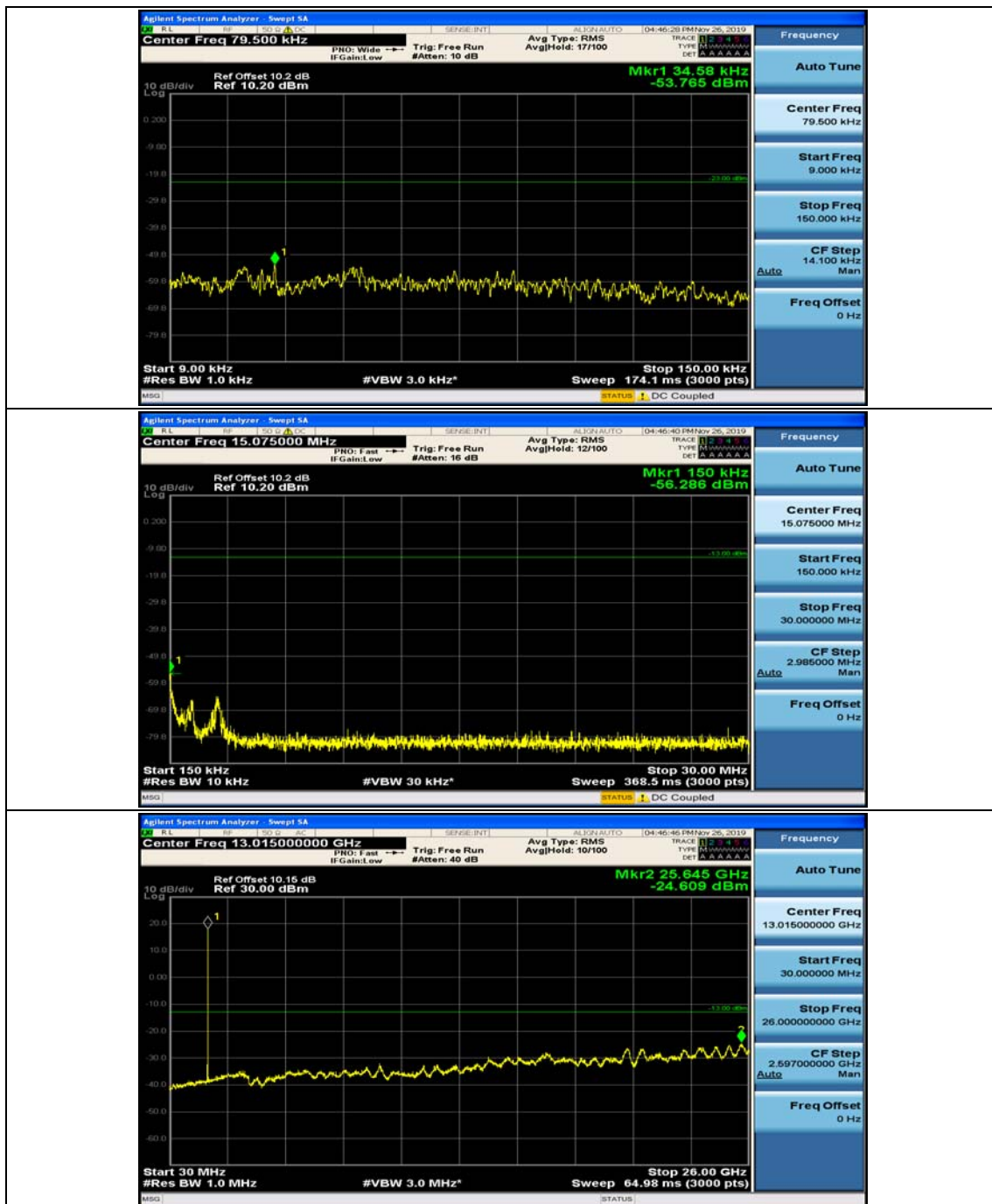


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	4.61	0.002695	± 2.5	PASS
		VN	TN	0.63	0.000368	± 2.5	PASS
		VH	TN	1.15	0.000672	± 2.5	PASS
	MCH	VL	TN	2.54	0.001466	± 2.5	PASS
		VN	TN	1.7	0.000981	± 2.5	PASS
		VH	TN	3.99	0.002303	± 2.5	PASS
	HCH	VL	TN	0.58	0.000331	± 2.5	PASS
		VN	TN	3.15	0.001796	± 2.5	PASS
		VH	TN	4.25	0.002423	± 2.5	PASS
16QAM	LCH	VL	TN	1.31	0.000766	± 2.5	PASS
		VN	TN	-1.84	-0.001076	± 2.5	PASS
		VH	TN	2.02	0.001181	± 2.5	PASS
	MCH	VL	TN	4.26	0.002459	± 2.5	PASS
		VN	TN	-0.9	-0.000519	± 2.5	PASS
		VH	TN	-0.14	-0.000081	± 2.5	PASS
	HCH	VL	TN	2	0.001140	± 2.5	PASS
		VN	TN	4.18	0.002383	± 2.5	PASS
		VH	TN	-0.69	-0.000393	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.47	0.002028	± 2.5	PASS
		VN	-20	0.53	0.000310	± 2.5	PASS
		VN	-10	0.46	0.000269	± 2.5	PASS
		VN	0	-0.81	-0.000473	± 2.5	PASS
		VN	10	4.29	0.002508	± 2.5	PASS
		VN	20	3.1	0.001812	± 2.5	PASS
		VN	30	1.12	0.000655	± 2.5	PASS
		VN	40	2.68	0.001567	± 2.5	PASS
		VN	50	4.78	0.002794	± 2.5	PASS
	MCH	VN	-30	-0.36	-0.000208	± 2.5	PASS

		VN	-20	2.73	0.001576	± 2.5	PASS
		VN	-10	5	0.002886	± 2.5	PASS
		VN	0	4.71	0.002719	± 2.5	PASS
		VN	10	4.15	0.002395	± 2.5	PASS
		VN	20	-1.01	-0.000583	± 2.5	PASS
		VN	30	4.84	0.002794	± 2.5	PASS
		VN	40	4.22	0.002436	± 2.5	PASS
		VN	50	2.15	0.001241	± 2.5	PASS
	HCH	VN	-30	3.08	0.001756	± 2.5	PASS
		VN	-20	2.34	0.001334	± 2.5	PASS
		VN	-10	2.51	0.001431	± 2.5	PASS
		VN	0	2.27	0.001294	± 2.5	PASS
		VN	10	3.43	0.001955	± 2.5	PASS
		VN	20	0.88	0.000502	± 2.5	PASS
		VN	30	-0.46	-0.000262	± 2.5	PASS
		VN	40	0.37	0.000211	± 2.5	PASS
16QAM	LCH	VN	-30	4.98	0.002911	± 2.5	PASS
		VN	-20	-0.87	-0.000509	± 2.5	PASS
		VN	-10	-1.91	-0.001117	± 2.5	PASS
		VN	0	1.83	0.001070	± 2.5	PASS
		VN	10	1.85	0.001081	± 2.5	PASS
		VN	20	1.86	0.001087	± 2.5	PASS
		VN	30	1.73	0.001011	± 2.5	PASS
		VN	40	-1.23	-0.000719	± 2.5	PASS
		VN	50	1.89	0.001105	± 2.5	PASS
	MCH	VN	-30	0.93	0.000530	± 2.5	PASS
		VN	-20	-0.37	-0.000211	± 2.5	PASS
		VN	-10	0.39	0.000222	± 2.5	PASS
		VN	0	-0.78	-0.000445	± 2.5	PASS
		VN	10	-0.32	-0.000182	± 2.5	PASS
		VN	20	-1.37	-0.000781	± 2.5	PASS
		VN	30	-0.61	-0.000348	± 2.5	PASS
		VN	40	1.88	0.001072	± 2.5	PASS
		VN	50	0.45	0.000257	± 2.5	PASS
	HCH	VN	-30	0.08	0.000046	± 2.5	PASS
		VN	-20	-0.57	-0.000325	± 2.5	PASS
		VN	-10	3.06	0.001744	± 2.5	PASS
		VN	0	3.27	0.001864	± 2.5	PASS
		VN	10	4.89	0.002787	± 2.5	PASS
		VN	20	-1.62	-0.000923	± 2.5	PASS

		VN	30	3.67	0.002092	± 2.5	PASS
		VN	40	2.54	0.001448	± 2.5	PASS
		VN	50	-0.19	-0.000108	± 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	0.7	0.000409	± 2.5	PASS
		VN	TN	3.75	0.002191	± 2.5	PASS
		VH	TN	0.84	0.000491	± 2.5	PASS
	MCH	VL	TN	3.41	0.001968	± 2.5	PASS
		VN	TN	3.3	0.001905	± 2.5	PASS
		VH	TN	-0.06	-0.000035	± 2.5	PASS
	HCH	VL	TN	-0.96	-0.000547	± 2.5	PASS
		VN	TN	-0.02	-0.000011	± 2.5	PASS
		VH	TN	-0.92	-0.000525	± 2.5	PASS
16QAM	LCH	VL	TN	4.68	0.002734	± 2.5	PASS
		VN	TN	3.48	0.002033	± 2.5	PASS
		VH	TN	0.47	0.000275	± 2.5	PASS
	MCH	VL	TN	0.06	0.000035	± 2.5	PASS
		VN	TN	0.4	0.000231	± 2.5	PASS
		VH	TN	3.11	0.001795	± 2.5	PASS
	HCH	VL	TN	-0.25	-0.000143	± 2.5	PASS
		VN	TN	-1.49	-0.000850	± 2.5	PASS
		VH	TN	-0.06	-0.000034	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.49	0.001455	± 2.5	PASS
		VN	-20	1.47	0.000859	± 2.5	PASS
		VN	-10	1.14	0.000666	± 2.5	PASS
		VN	0	0.29	0.000169	± 2.5	PASS
		VN	10	-1.94	-0.001134	± 2.5	PASS
		VN	20	4.19	0.002448	± 2.5	PASS
		VN	30	3.83	0.002238	± 2.5	PASS
		VN	40	-0.09	-0.000053	± 2.5	PASS
		VN	50	4.48	0.002618	± 2.5	PASS
	MCH	VN	-30	3.32	0.001916	± 2.5	PASS
		VN	-20	-1.63	-0.000941	± 2.5	PASS

		VN	-10	1.51	0.000872	± 2.5	PASS
		VN	0	-0.21	-0.000121	± 2.5	PASS
		VN	10	1.21	0.000698	± 2.5	PASS
		VN	20	2.84	0.001639	± 2.5	PASS
		VN	30	-0.74	-0.000427	± 2.5	PASS
		VN	40	4.31	0.002488	± 2.5	PASS
		VN	50	1.83	0.001056	± 2.5	PASS
	HCH	VN	-30	0.83	0.000473	± 2.5	PASS
		VN	-20	-1.91	-0.001089	± 2.5	PASS
		VN	-10	0.92	0.000525	± 2.5	PASS
		VN	0	1.93	0.001101	± 2.5	PASS
		VN	10	1.74	0.000992	± 2.5	PASS
		VN	20	3.52	0.002007	± 2.5	PASS
		VN	30	4	0.002281	± 2.5	PASS
		VN	40	0.17	0.000097	± 2.5	PASS
		VN	50	-1.34	-0.000764	± 2.5	PASS
16QAM	LCH	VN	-30	4.52	0.002609	± 2.5	PASS
		VN	-20	3.27	0.001887	± 2.5	PASS
		VN	-10	3.95	0.002280	± 2.5	PASS
		VN	0	2.92	0.001685	± 2.5	PASS
		VN	10	0.39	0.000225	± 2.5	PASS
		VN	20	-0.03	-0.000017	± 2.5	PASS
		VN	30	4.43	0.002557	± 2.5	PASS
		VN	40	2.32	0.001339	± 2.5	PASS
		VN	50	-1.53	-0.000883	± 2.5	PASS
	MCH	VN	-30	3.65	0.002082	± 2.5	PASS
		VN	-20	2.46	0.001403	± 2.5	PASS
		VN	-10	3.61	0.002059	± 2.5	PASS
		VN	0	3.32	0.001893	± 2.5	PASS
		VN	10	4.94	0.002817	± 2.5	PASS
		VN	20	3.01	0.001717	± 2.5	PASS
		VN	30	2.41	0.001374	± 2.5	PASS
		VN	40	-1.8	-0.001027	± 2.5	PASS
		VN	50	-0.53	-0.000302	± 2.5	PASS
	HCH	VN	-30	2.91	0.001660	± 2.5	PASS
		VN	-20	3.68	0.002099	± 2.5	PASS
		VN	-10	3.5	0.001996	± 2.5	PASS
		VN	0	-1.85	-0.001055	± 2.5	PASS
		VN	10	0.28	0.000160	± 2.5	PASS
		VN	20	3.21	0.001831	± 2.5	PASS
		VN	30	0.69	0.000393	± 2.5	PASS

		VN	40	4.01	0.002287	± 2.5	PASS
		VN	50	-1.83	-0.001044	± 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	4.28	0.002499	± 2.5	PASS
		VN	TN	-1.09	-0.000636	± 2.5	PASS
		VH	TN	4.8	0.002803	± 2.5	PASS
	MCH	VL	TN	-1.58	-0.000912	± 2.5	PASS
		VN	TN	2	0.001154	± 2.5	PASS
		VH	TN	-0.61	-0.000352	± 2.5	PASS
	HCH	VL	TN	1.75	0.000999	± 2.5	PASS
		VN	TN	4.95	0.002825	± 2.5	PASS
		VH	TN	1.36	0.000776	± 2.5	PASS
16QAM	LCH	VL	TN	-0.02	-0.000012	± 2.5	PASS
		VN	TN	4.14	0.002418	± 2.5	PASS
		VH	TN	0.19	0.000111	± 2.5	PASS
	MCH	VL	TN	4.66	0.002690	± 2.5	PASS
		VN	TN	1.16	0.000670	± 2.5	PASS
		VH	TN	1.26	0.000727	± 2.5	PASS
	HCH	VL	TN	1.26	0.000719	± 2.5	PASS
		VN	TN	-1.22	-0.000696	± 2.5	PASS
		VH	TN	1.22	0.000696	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.96	0.001145	± 2.5	PASS
		VN	-20	-1.98	-0.001156	± 2.5	PASS
		VN	-10	1.21	0.000707	± 2.5	PASS
		VN	0	4.42	0.002581	± 2.5	PASS
		VN	10	1.82	0.001063	± 2.5	PASS
		VN	20	4.01	0.002342	± 2.5	PASS
		VN	30	-0.97	-0.000566	± 2.5	PASS
		VN	40	-1.63	-0.000952	± 2.5	PASS
		VN	50	4.32	0.002523	± 2.5	PASS
	MCH	VN	-30	3.62	0.002089	± 2.5	PASS
		VN	-20	3.21	0.001853	± 2.5	PASS
		VN	-10	0.27	0.000156	± 2.5	PASS

		VN	0	-0.14	-0.000081	± 2.5	PASS
		VN	10	3.82	0.002205	± 2.5	PASS
		VN	20	0.65	0.000375	± 2.5	PASS
		VN	30	3.57	0.002061	± 2.5	PASS
		VN	40	0.27	0.000156	± 2.5	PASS
		VN	50	4.31	0.002488	± 2.5	PASS
	HCH	VN	-30	3.13	0.001786	± 2.5	PASS
		VN	-20	-0.15	-0.000079	± 2.5	PASS
		VN	-10	4.1	0.002149	± 2.5	PASS
		VN	0	0.7	0.000367	± 2.5	PASS
		VN	10	-0.28	-0.000147	± 2.5	PASS
		VN	20	4.1	0.002149	± 2.5	PASS
		VN	30	4.83	0.002532	± 2.5	PASS
		VN	40	3.9	0.002045	± 2.5	PASS
		VN	50	-1	-0.000524	± 2.5	PASS
16QAM	LCH	VN	-30	4.61	0.002661	± 2.5	PASS
		VN	-20	1.64	0.000947	± 2.5	PASS
		VN	-10	3.83	0.002211	± 2.5	PASS
		VN	0	-0.75	-0.000433	± 2.5	PASS
		VN	10	3.81	0.002199	± 2.5	PASS
		VN	20	-1.24	-0.000716	± 2.5	PASS
		VN	30	0.83	0.000479	± 2.5	PASS
		VN	40	-1.77	-0.001022	± 2.5	PASS
		VN	50	0.07	0.000040	± 2.5	PASS
	MCH	VN	-30	2.61	0.001489	± 2.5	PASS
		VN	-20	-0.84	-0.000479	± 2.5	PASS
		VN	-10	1.89	0.001078	± 2.5	PASS
		VN	0	2.08	0.001187	± 2.5	PASS
		VN	10	0.8	0.000456	± 2.5	PASS
		VN	20	3.27	0.001866	± 2.5	PASS
		VN	30	4.83	0.002756	± 2.5	PASS
		VN	40	2.87	0.001638	± 2.5	PASS
		VN	50	0.6	0.000342	± 2.5	PASS
	HCH	VN	-30	0.27	0.000142	± 2.5	PASS
		VN	-20	0.01	0.000005	± 2.5	PASS
		VN	-10	-0.73	-0.000383	± 2.5	PASS
		VN	0	3.65	0.001913	± 2.5	PASS
		VN	10	2.47	0.001295	± 2.5	PASS
		VN	20	1.41	0.000739	± 2.5	PASS
		VN	30	-0.75	-0.000393	± 2.5	PASS
		VN	40	3.69	0.001934	± 2.5	PASS

		VN	50	0.31	0.000163	± 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	-1.63	-0.000950	± 2.5	PASS
		VN	TN	0.3	0.000175	± 2.5	PASS
		VH	TN	4.14	0.002414	± 2.5	PASS
	MCH	VL	TN	0.29	0.000167	± 2.5	PASS
		VN	TN	-1.72	-0.000993	± 2.5	PASS
		VH	TN	2.44	0.001408	± 2.5	PASS
	HCH	VL	TN	1.57	0.000897	± 2.5	PASS
		VN	TN	-0.51	-0.000291	± 2.5	PASS
		VH	TN	0.23	0.000131	± 2.5	PASS
16QAM	LCH	VL	TN	4.87	0.002840	± 2.5	PASS
		VN	TN	1.43	0.000834	± 2.5	PASS
		VH	TN	3.23	0.001883	± 2.5	PASS
	MCH	VL	TN	2.66	0.001535	± 2.5	PASS
		VN	TN	2.02	0.001166	± 2.5	PASS
		VH	TN	2.01	0.001160	± 2.5	PASS
	HCH	VL	TN	3.34	0.001909	± 2.5	PASS
		VN	TN	-1.31	-0.000749	± 2.5	PASS
		VH	TN	3.33	0.001903	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.67	0.000391	± 2.5	PASS
		VN	-20	-0.11	-0.000064	± 2.5	PASS
		VN	-10	2.07	0.001207	± 2.5	PASS
		VN	0	1.91	0.001114	± 2.5	PASS
		VN	10	-1.26	-0.000735	± 2.5	PASS
		VN	20	-1.93	-0.001125	± 2.5	PASS
		VN	30	0.58	0.000338	± 2.5	PASS
		VN	40	1.69	0.000985	± 2.5	PASS
		VN	50	3.45	0.002012	± 2.5	PASS
	MCH	VN	-30	-0.91	-0.000525	± 2.5	PASS
		VN	-20	0.5	0.000289	± 2.5	PASS
		VN	-10	1.12	0.000646	± 2.5	PASS
		VN	0	1.49	0.000860	± 2.5	PASS

		VN	10	-1.69	-0.000975	± 2.5	PASS
		VN	20	1.61	0.000929	± 2.5	PASS
		VN	30	-0.31	-0.000179	± 2.5	PASS
		VN	40	4.76	0.002747	± 2.5	PASS
		VN	50	-0.18	-0.000104	± 2.5	PASS
	HCH	VN	-30	0.07	0.000040	± 2.5	PASS
		VN	-20	3.03	0.001731	± 2.5	PASS
		VN	-10	0.09	0.000051	± 2.5	PASS
		VN	0	-0.68	-0.000389	± 2.5	PASS
		VN	10	4.77	0.002726	± 2.5	PASS
		VN	20	1.97	0.001126	± 2.5	PASS
		VN	30	-1.83	-0.001046	± 2.5	PASS
		VN	40	-1.84	-0.001051	± 2.5	PASS
		VN	50	-1.58	-0.000903	± 2.5	PASS
		VN	-30	4.64	0.002678	± 2.5	PASS
QPSK	LCH	VN	-20	-1.11	-0.000641	± 2.5	PASS
		VN	-10	2.69	0.001553	± 2.5	PASS
		VN	0	-1.28	-0.000739	± 2.5	PASS
		VN	10	4.81	0.002776	± 2.5	PASS
		VN	20	4.78	0.002759	± 2.5	PASS
		VN	30	-0.06	-0.000035	± 2.5	PASS
		VN	40	3.54	0.002043	± 2.5	PASS
		VN	50	-1.31	-0.000756	± 2.5	PASS
	MCH	VN	-30	1.06	0.000606	± 2.5	PASS
		VN	-20	1.92	0.001097	± 2.5	PASS
		VN	-10	4.98	0.002846	± 2.5	PASS
		VN	0	-0.62	-0.000354	± 2.5	PASS
		VN	10	-0.53	-0.000303	± 2.5	PASS
		VN	20	4.89	0.002794	± 2.5	PASS
		VN	30	2.57	0.001469	± 2.5	PASS
		VN	40	-1.28	-0.000731	± 2.5	PASS
		VN	50	3.13	0.001789	± 2.5	PASS
	HCH	VN	-30	4.11	0.002349	± 2.5	PASS
		VN	-20	1.57	0.000897	± 2.5	PASS
		VN	-10	2.13	0.001217	± 2.5	PASS
		VN	0	0.42	0.000240	± 2.5	PASS
		VN	10	0.22	0.000126	± 2.5	PASS
		VN	20	2.57	0.001469	± 2.5	PASS
		VN	30	2.13	0.001217	± 2.5	PASS
		VN	40	4.7	0.002686	± 2.5	PASS
		VN	50	0.7	0.000400	± 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	-0.14	-0.000082	± 2.5	PASS
		VN	TN	1.78	0.001036	± 2.5	PASS
		VH	TN	3.37	0.001962	± 2.5	PASS
	MCH	VL	TN	4.92	0.002840	± 2.5	PASS
		VN	TN	2.39	0.001380	± 2.5	PASS
		VH	TN	-0.27	-0.000156	± 2.5	PASS
	HCH	VL	TN	0.09	0.000052	± 2.5	PASS
		VN	TN	1.49	0.000853	± 2.5	PASS
		VH	TN	-0.28	-0.000160	± 2.5	PASS
16QAM	LCH	VL	TN	0.05	0.000029	± 2.5	PASS
		VN	TN	1.27	0.000739	± 2.5	PASS
		VH	TN	2.18	0.001269	± 2.5	PASS
	MCH	VL	TN	-1.61	-0.000929	± 2.5	PASS
		VN	TN	0.19	0.000110	± 2.5	PASS
		VH	TN	0.96	0.000554	± 2.5	PASS
	HCH	VL	TN	2.69	0.001539	± 2.5	PASS
		VN	TN	1.25	0.000715	± 2.5	PASS
		VH	TN	2.1	0.001202	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.49	0.002614	± 2.5	PASS
		VN	-20	1.93	0.001124	± 2.5	PASS
		VN	-10	1.8	0.001048	± 2.5	PASS
		VN	0	0.52	0.000303	± 2.5	PASS
		VN	10	-0.55	-0.000320	± 2.5	PASS
		VN	20	3.32	0.001933	± 2.5	PASS
		VN	30	-1.12	-0.000652	± 2.5	PASS
		VN	40	1.74	0.001013	± 2.5	PASS
		VN	50	-1.2	-0.000699	± 2.5	PASS
	MCH	VN	-30	4.37	0.002522	± 2.5	PASS
		VN	-20	3.49	0.002014	± 2.5	PASS
		VN	-10	3.41	0.001968	± 2.5	PASS
		VN	0	4.08	0.002355	± 2.5	PASS
		VN	10	-0.16	-0.000092	± 2.5	PASS
		VN	20	3.67	0.002118	± 2.5	PASS

		VN	30	-0.92	-0.000531	± 2.5	PASS
		VN	40	-1.13	-0.000652	± 2.5	PASS
		VN	50	1.44	0.000831	± 2.5	PASS
	HCH	VN	-30	-1.78	-0.001019	± 2.5	PASS
		VN	-20	3.24	0.001854	± 2.5	PASS
		VN	-10	0.69	0.000395	± 2.5	PASS
		VN	0	1.46	0.000835	± 2.5	PASS
		VN	10	3.56	0.002037	± 2.5	PASS
		VN	20	-0.78	-0.000446	± 2.5	PASS
		VN	30	-0.57	-0.000326	± 2.5	PASS
		VN	40	1.81	0.001036	± 2.5	PASS
		VN	50	-0.17	-0.000097	± 2.5	PASS
16QAM	LCH	VN	-30	3.92	0.002263	± 2.5	PASS
		VN	-20	4.94	0.002851	± 2.5	PASS
		VN	-10	-1.78	-0.001027	± 2.5	PASS
		VN	0	-0.78	-0.000450	± 2.5	PASS
		VN	10	4.38	0.002528	± 2.5	PASS
		VN	20	4.63	0.002672	± 2.5	PASS
		VN	30	4.38	0.002528	± 2.5	PASS
		VN	40	0.91	0.000525	± 2.5	PASS
		VN	50	2.28	0.001316	± 2.5	PASS
	MCH	VN	-30	4.84	0.002770	± 2.5	PASS
		VN	-20	0.11	0.000063	± 2.5	PASS
		VN	-10	-1.77	-0.001013	± 2.5	PASS
		VN	0	2.07	0.001185	± 2.5	PASS
		VN	10	3.37	0.001928	± 2.5	PASS
		VN	20	1.32	0.000755	± 2.5	PASS
		VN	30	4.04	0.002312	± 2.5	PASS
		VN	40	4.2	0.002403	± 2.5	PASS
		VN	50	3.16	0.001808	± 2.5	PASS
	HCH	VN	-30	1.57	0.000898	± 2.5	PASS
		VN	-20	-0.14	-0.000080	± 2.5	PASS
		VN	-10	1.48	0.000847	± 2.5	PASS
		VN	0	-0.66	-0.000378	± 2.5	PASS
		VN	10	4.38	0.002506	± 2.5	PASS
		VN	20	-0.58	-0.000332	± 2.5	PASS
		VN	30	3.25	0.001860	± 2.5	PASS
		VN	40	-1.06	-0.000607	± 2.5	PASS
		VN	50	-1.93	-0.001104	± 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	0.91	0.000529	± 2.5	PASS
		VN	TN	4.16	0.002419	± 2.5	PASS
		VH	TN	-1.91	-0.001110	± 2.5	PASS
	MCH	VL	TN	4.11	0.002372	± 2.5	PASS
		VN	TN	2.36	0.001362	± 2.5	PASS
		VH	TN	-1.84	-0.001062	± 2.5	PASS
	HCH	VL	TN	-1.66	-0.000951	± 2.5	PASS
		VN	TN	4.25	0.002436	± 2.5	PASS
		VH	TN	-0.1	-0.000057	± 2.5	PASS
16QAM	LCH	VL	TN	2.39	0.001390	± 2.5	PASS
		VN	TN	-0.01	-0.000006	± 2.5	PASS
		VH	TN	0.55	0.000320	± 2.5	PASS
	MCH	VL	TN	4.49	0.002592	± 2.5	PASS
		VN	TN	1.46	0.000843	± 2.5	PASS
		VH	TN	2.26	0.001304	± 2.5	PASS
	HCH	VL	TN	0.25	0.000143	± 2.5	PASS
		VN	TN	-1.45	-0.000831	± 2.5	PASS
		VH	TN	-1.32	-0.000756	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.73	0.001006	± 2.5	PASS
		VN	-20	0.22	0.000128	± 2.5	PASS
		VN	-10	0.97	0.000564	± 2.5	PASS
		VN	0	4.35	0.002529	± 2.5	PASS
		VN	10	1.35	0.000785	± 2.5	PASS
		VN	20	2.24	0.001302	± 2.5	PASS
		VN	30	0.22	0.000128	± 2.5	PASS
		VN	40	-1.68	-0.000977	± 2.5	PASS
		VN	50	-1.01	-0.000587	± 2.5	PASS
	MCH	VN	-30	-0.52	-0.000300	± 2.5	PASS
		VN	-20	-1.6	-0.000924	± 2.5	PASS
		VN	-10	-0.41	-0.000237	± 2.5	PASS
		VN	0	4.85	0.002799	± 2.5	PASS
		VN	10	2.33	0.001345	± 2.5	PASS
		VN	20	-0.16	-0.000092	± 2.5	PASS

		VN	30	4.48	0.002586	± 2.5	PASS
		VN	40	4.74	0.002736	± 2.5	PASS
		VN	50	4.92	0.002840	± 2.5	PASS
	HCH	VN	-30	-0.19	-0.000109	± 2.5	PASS
		VN	-20	0.9	0.000516	± 2.5	PASS
		VN	-10	3.21	0.001840	± 2.5	PASS
		VN	0	3.88	0.002223	± 2.5	PASS
		VN	10	2.79	0.001599	± 2.5	PASS
		VN	20	4.04	0.002315	± 2.5	PASS
		VN	30	-0.78	-0.000447	± 2.5	PASS
		VN	40	0.39	0.000223	± 2.5	PASS
		VN	50	-1.59	-0.000911	± 2.5	PASS
16QAM	LCH	VN	-30	4.18	0.002413	± 2.5	PASS
		VN	-20	2.97	0.001714	± 2.5	PASS
		VN	-10	3.09	0.001784	± 2.5	PASS
		VN	0	0.45	0.000260	± 2.5	PASS
		VN	10	1.67	0.000964	± 2.5	PASS
		VN	20	4.4	0.002540	± 2.5	PASS
		VN	30	3.45	0.001991	± 2.5	PASS
		VN	40	0.6	0.000346	± 2.5	PASS
		VN	50	1.55	0.000895	± 2.5	PASS
	MCH	VN	-30	-0.82	-0.000470	± 2.5	PASS
		VN	-20	2.75	0.001576	± 2.5	PASS
		VN	-10	-0.64	-0.000367	± 2.5	PASS
		VN	0	2.47	0.001415	± 2.5	PASS
		VN	10	1.76	0.001009	± 2.5	PASS
		VN	20	2.94	0.001685	± 2.5	PASS
		VN	30	2.04	0.001169	± 2.5	PASS
		VN	40	1.63	0.000934	± 2.5	PASS
		VN	50	3.45	0.001977	± 2.5	PASS
	HCH	VN	-30	3.93	0.002252	± 2.5	PASS
		VN	-20	-0.36	-0.000206	± 2.5	PASS
		VN	-10	3.7	0.002120	± 2.5	PASS
		VN	0	4.04	0.002315	± 2.5	PASS
		VN	10	-0.19	-0.000109	± 2.5	PASS
		VN	20	0.75	0.000430	± 2.5	PASS
		VN	30	1.18	0.000676	± 2.5	PASS
		VN	40	-0.89	-0.000510	± 2.5	PASS
		VN	50	2.67	0.001530	± 2.5	PASS