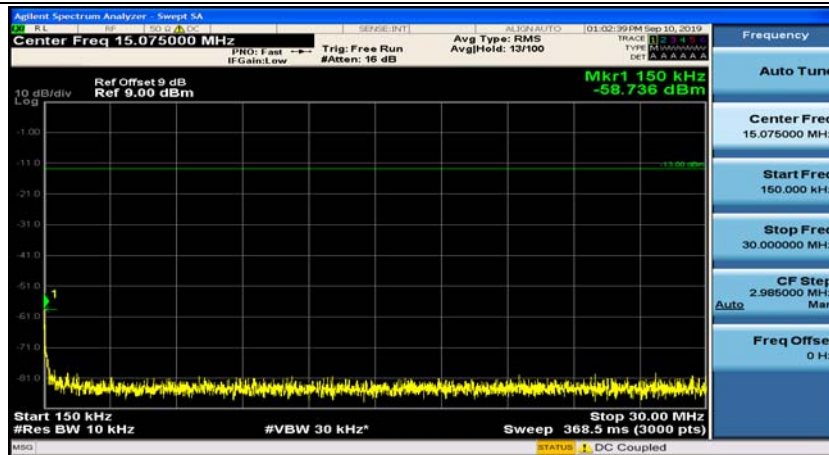
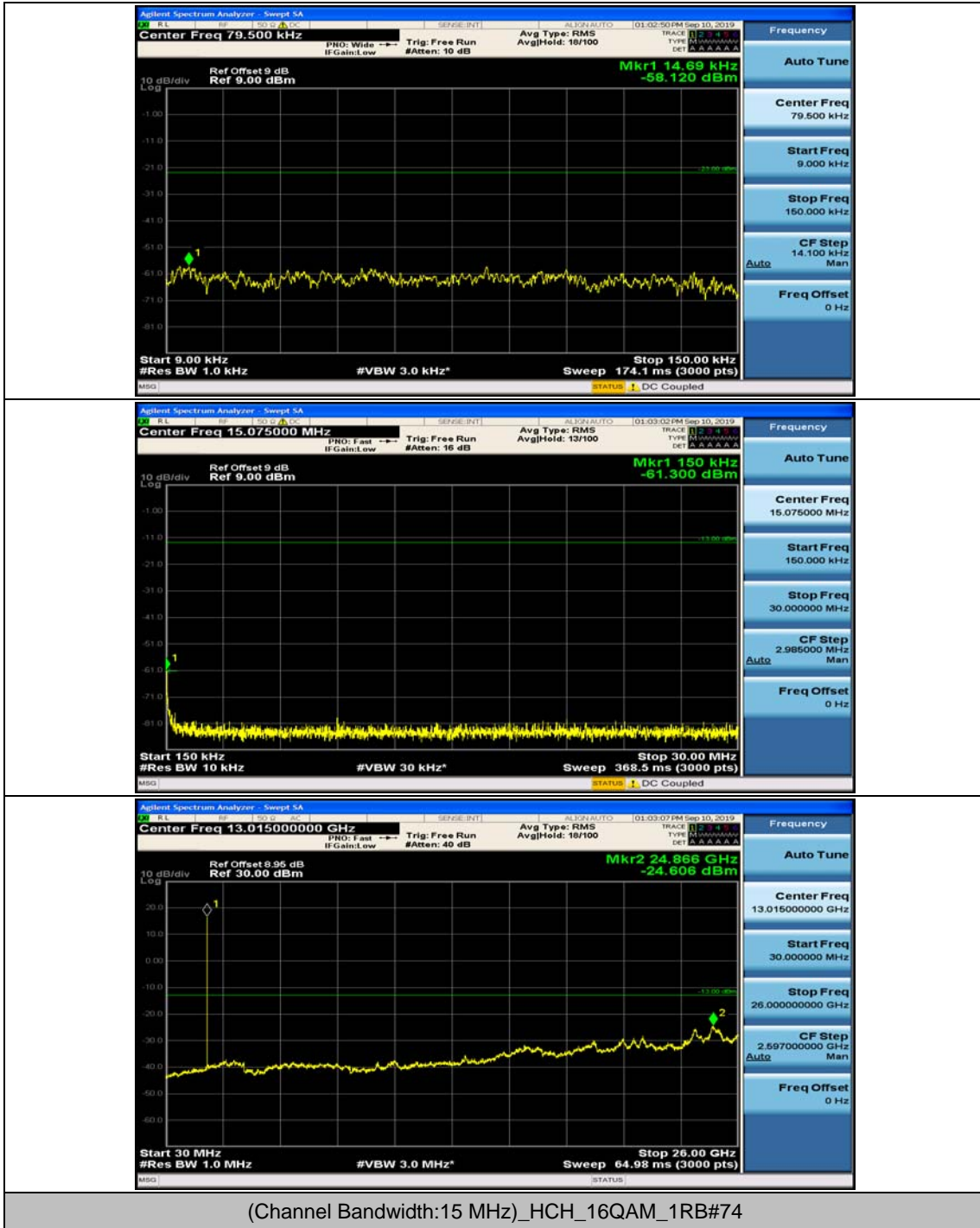
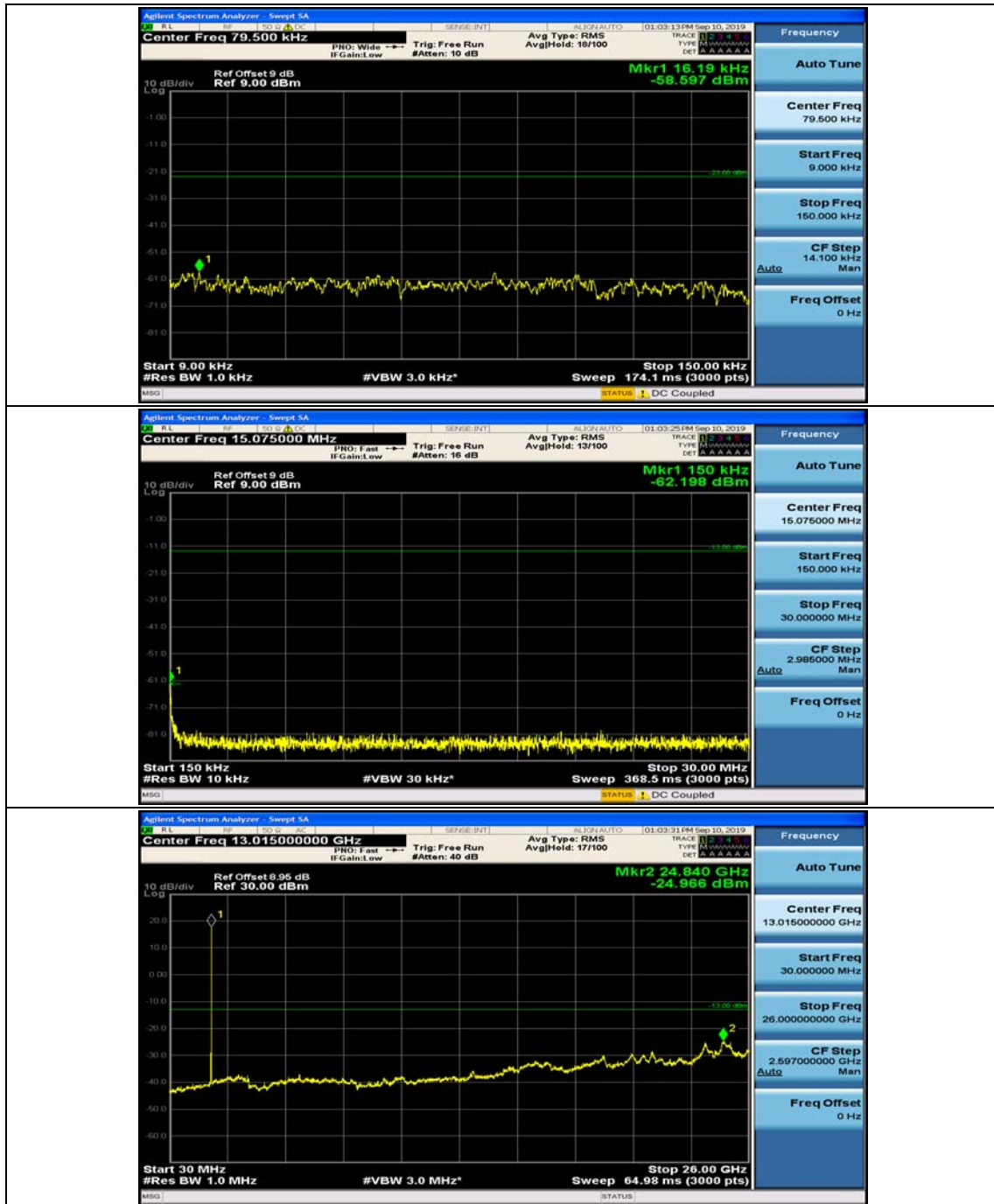


(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_1RB#0

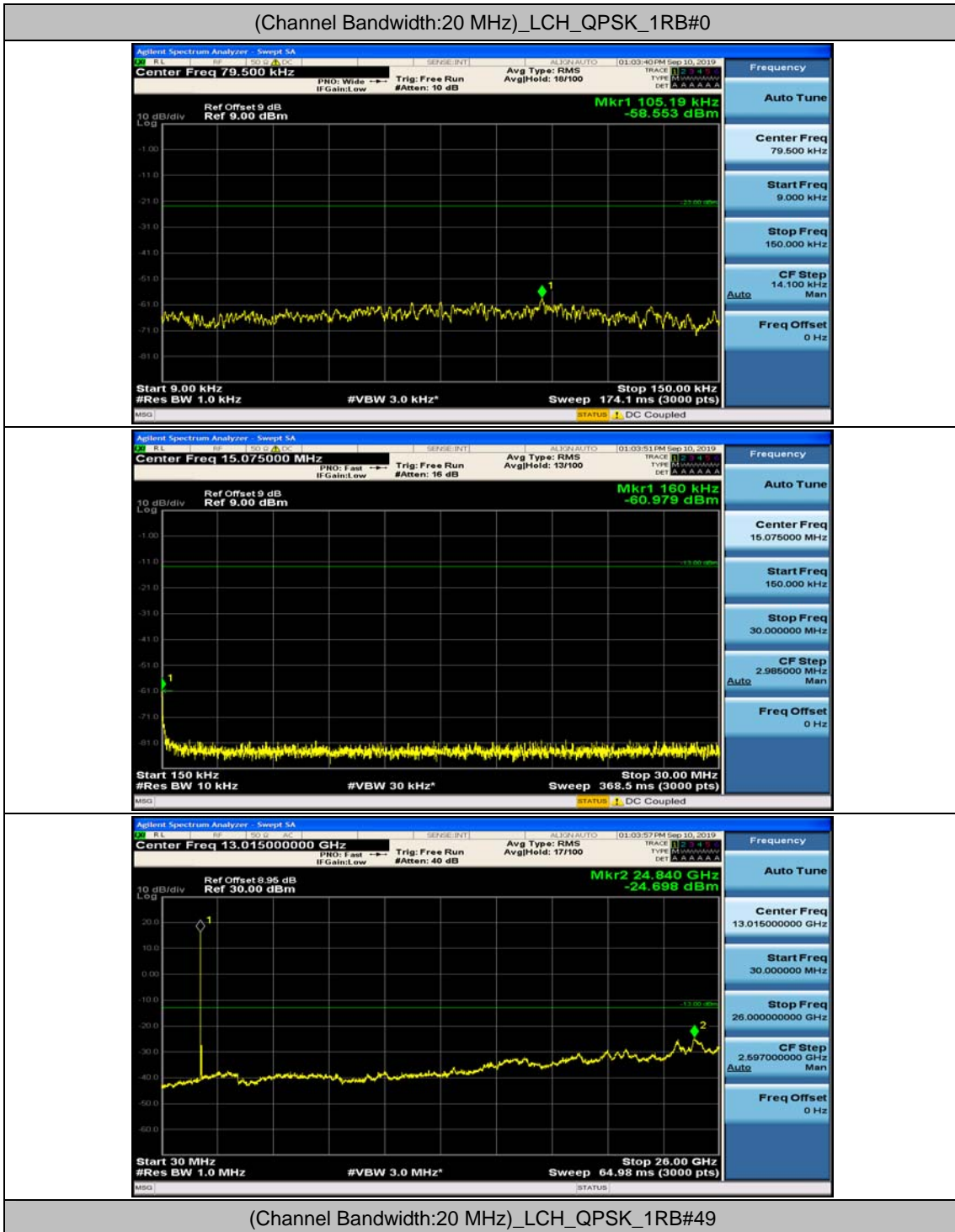


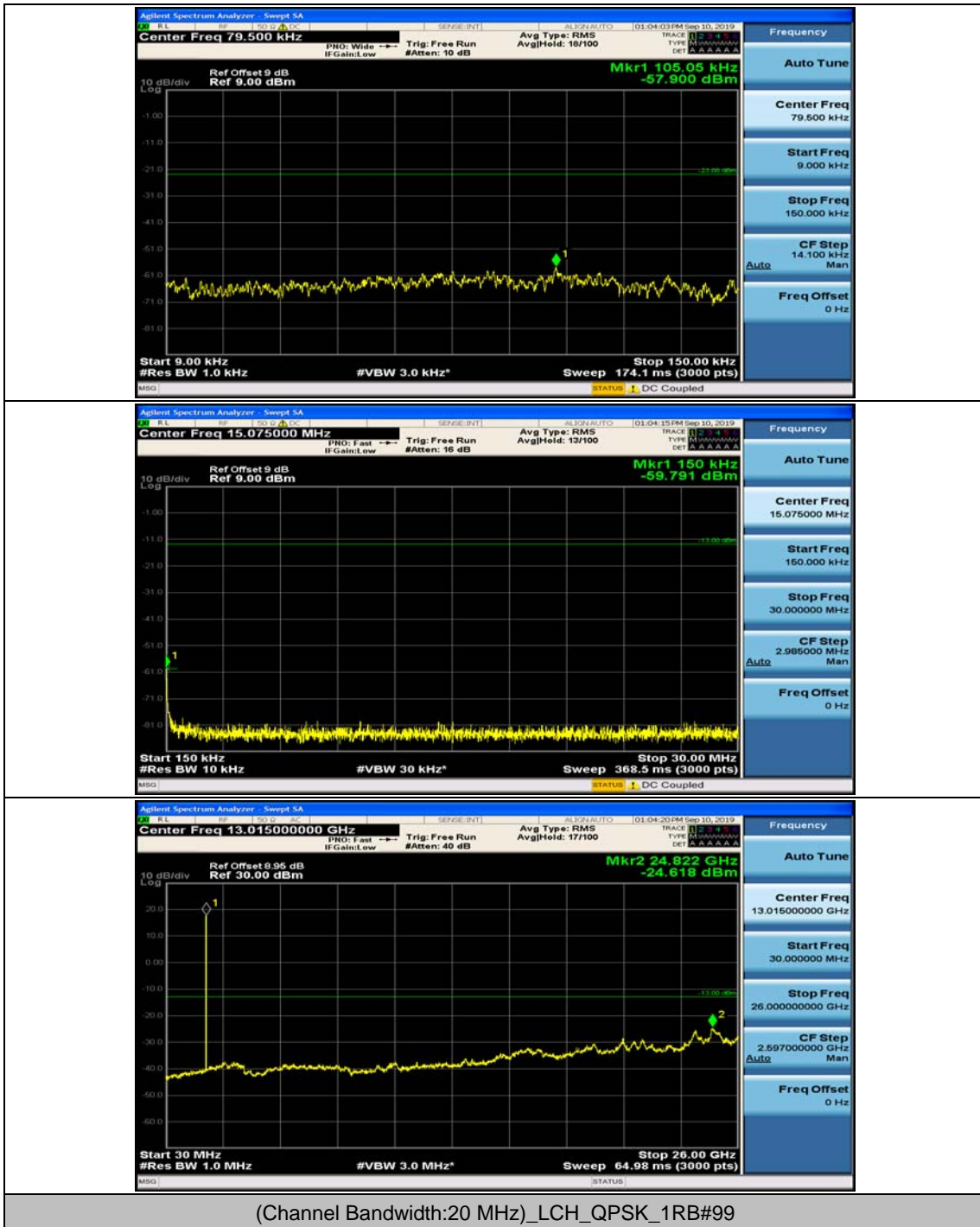
(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_1RB#37



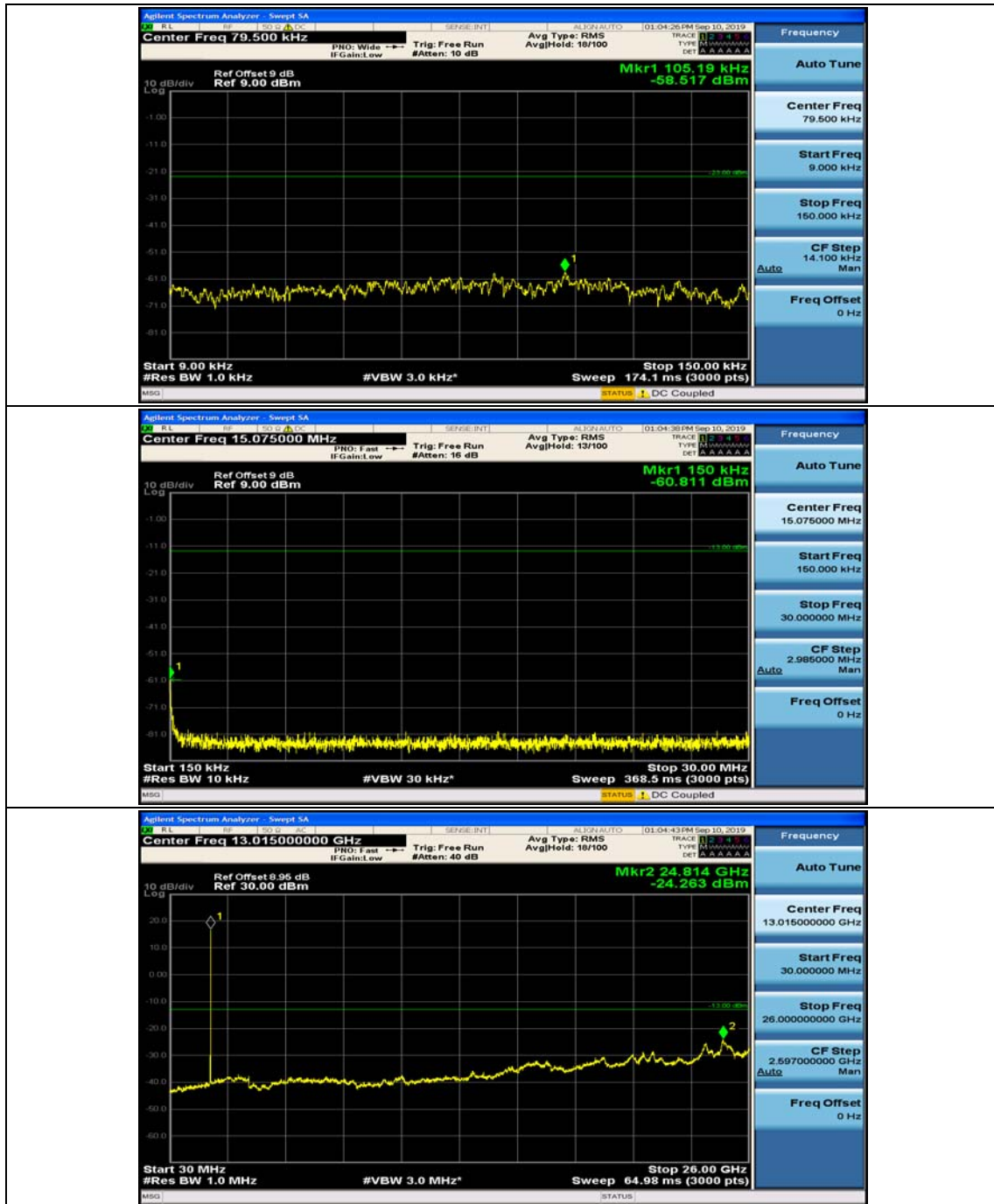


### Channel Bandwidth: 20 MHz

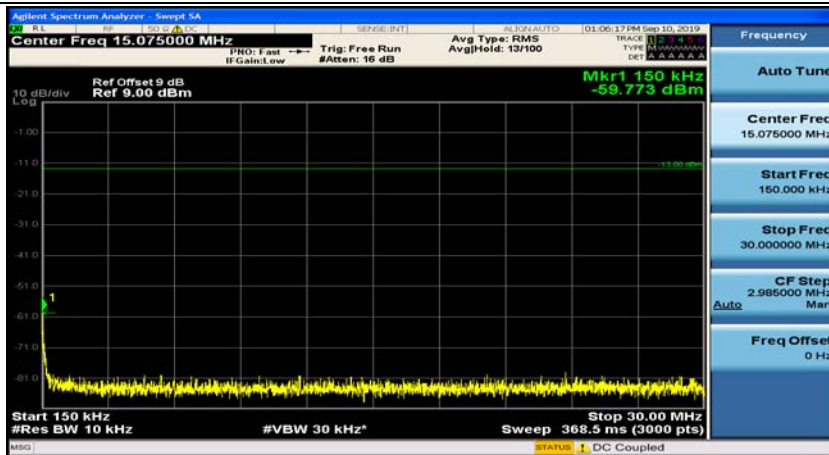




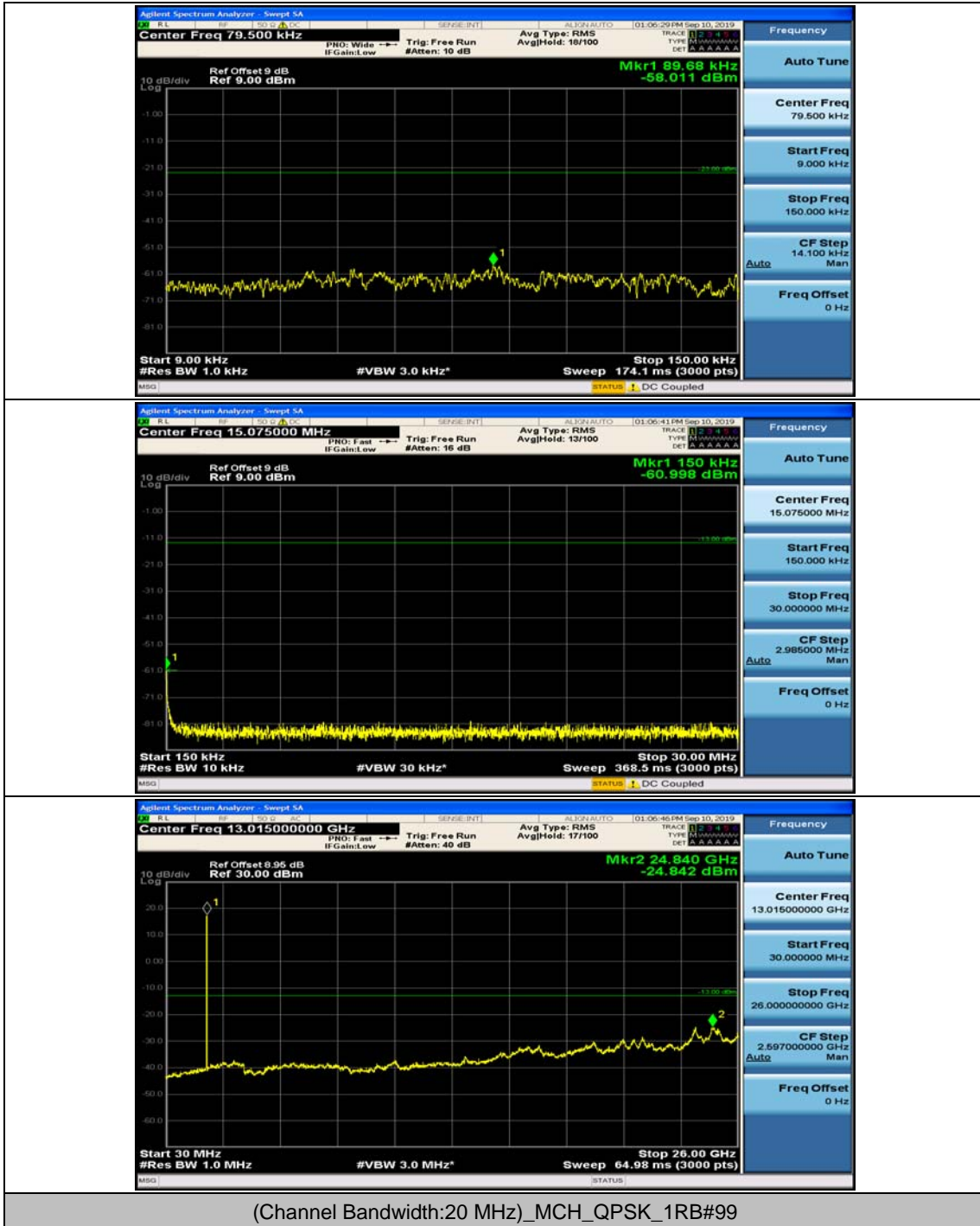




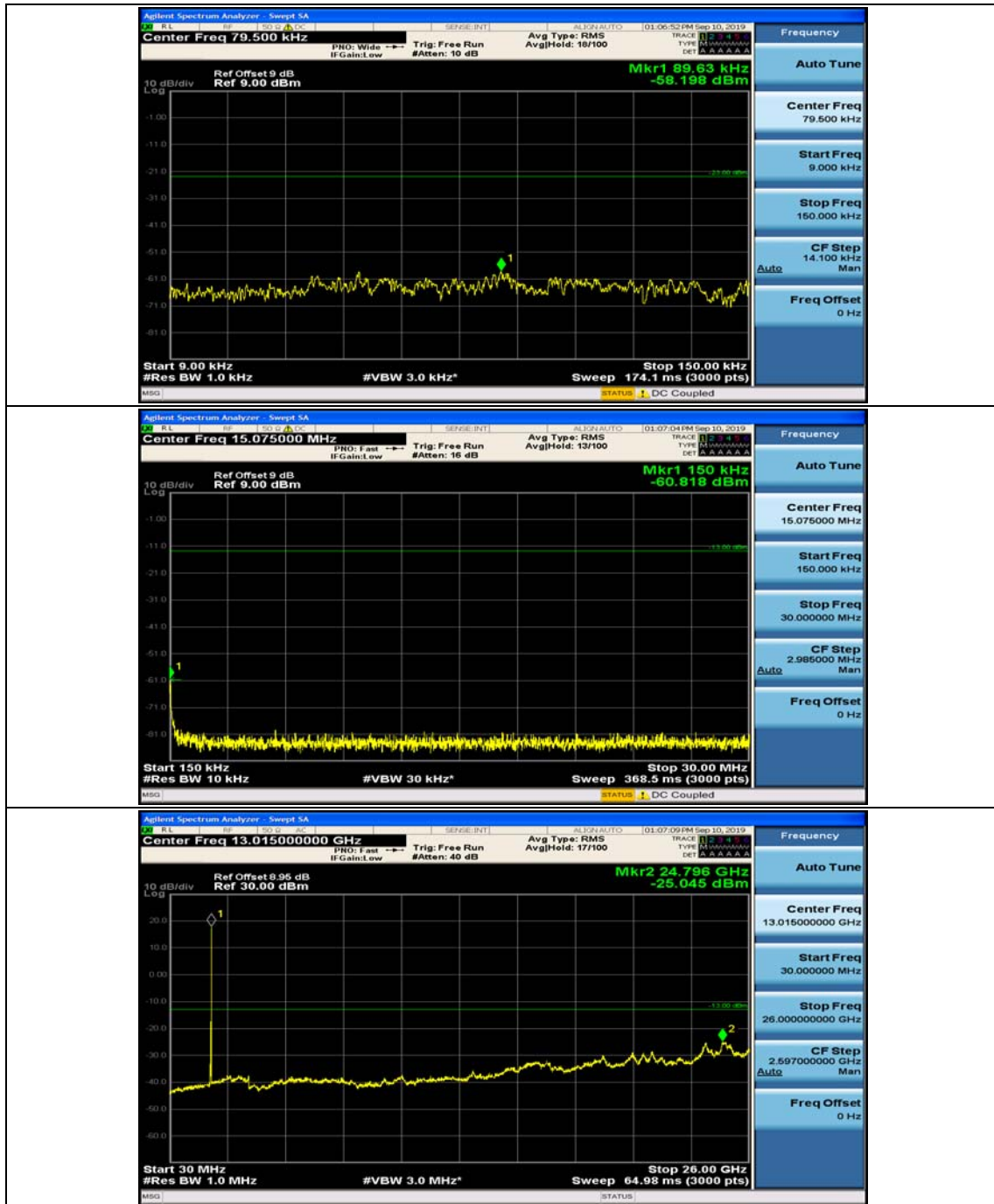
(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_1RB#0



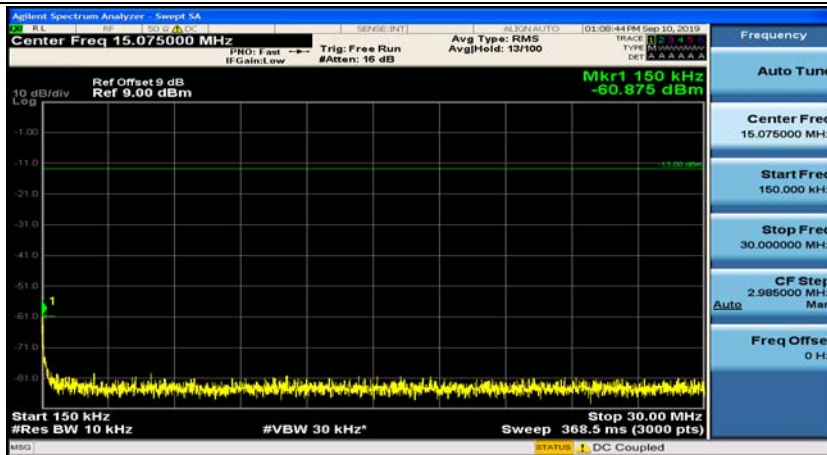
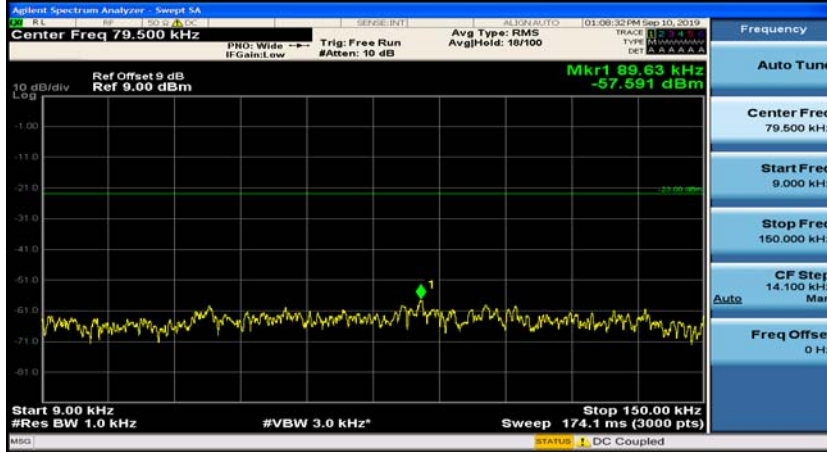
(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_1RB#49



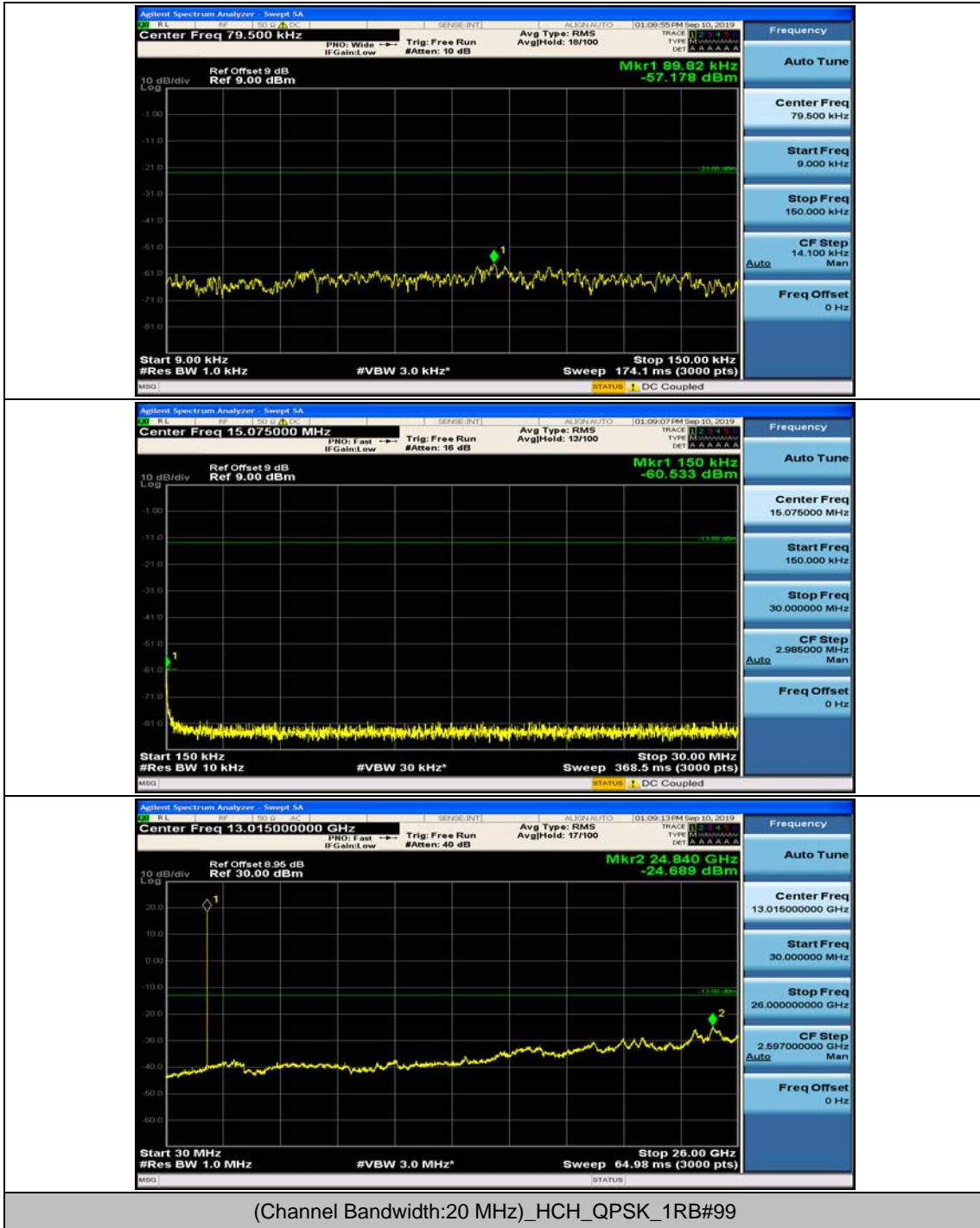


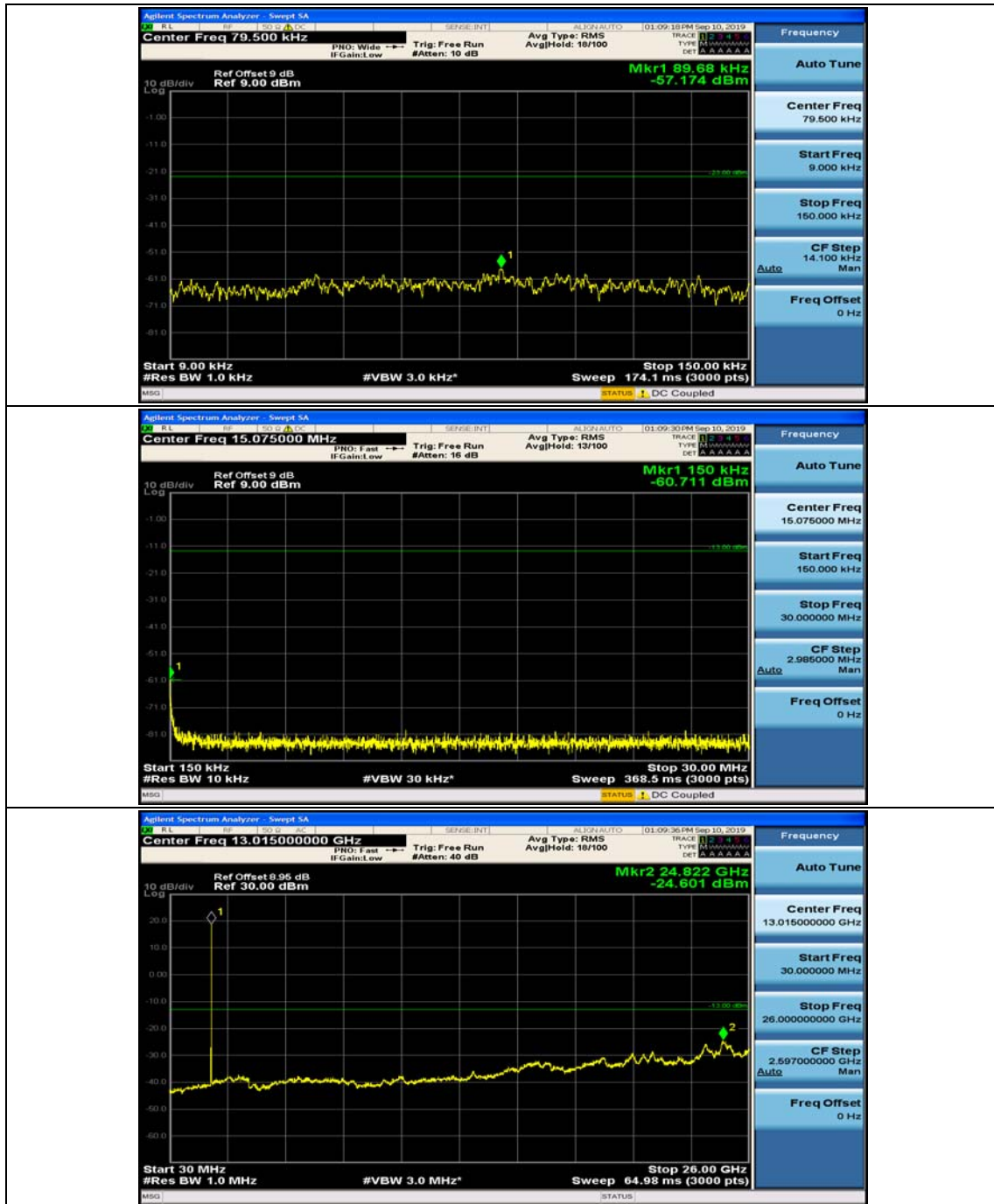


(Channel Bandwidth:20 MHz)\_HCH\_QPSK\_1RB#0

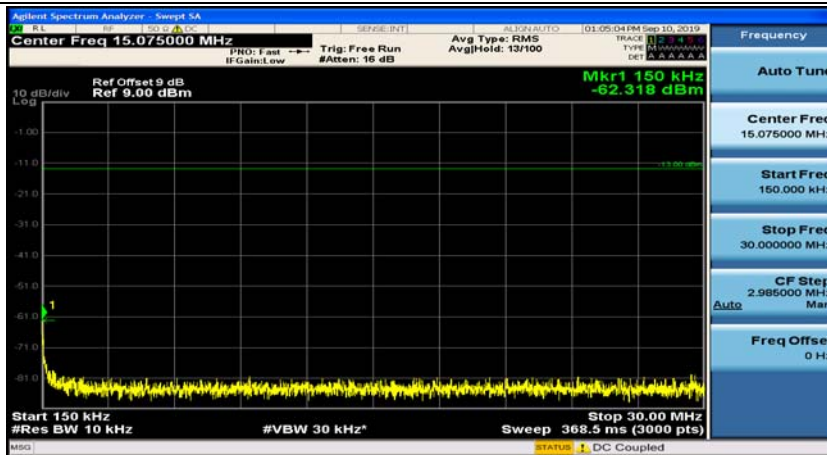
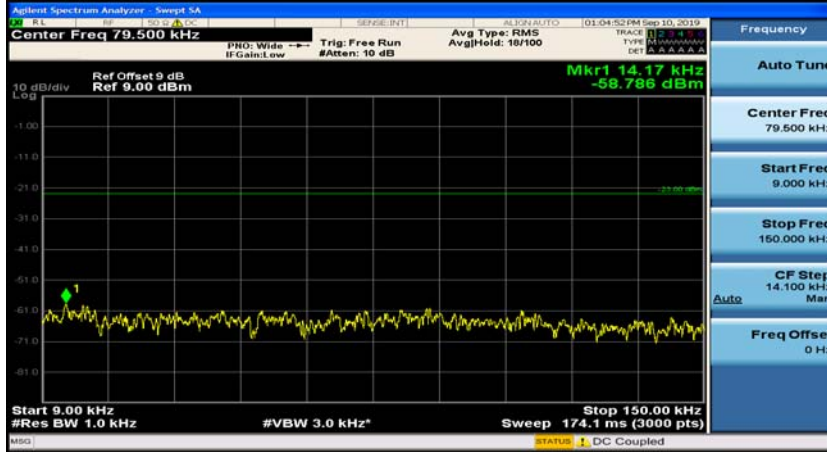


(Channel Bandwidth:20 MHz)\_HCH\_QPSK\_1RB#49



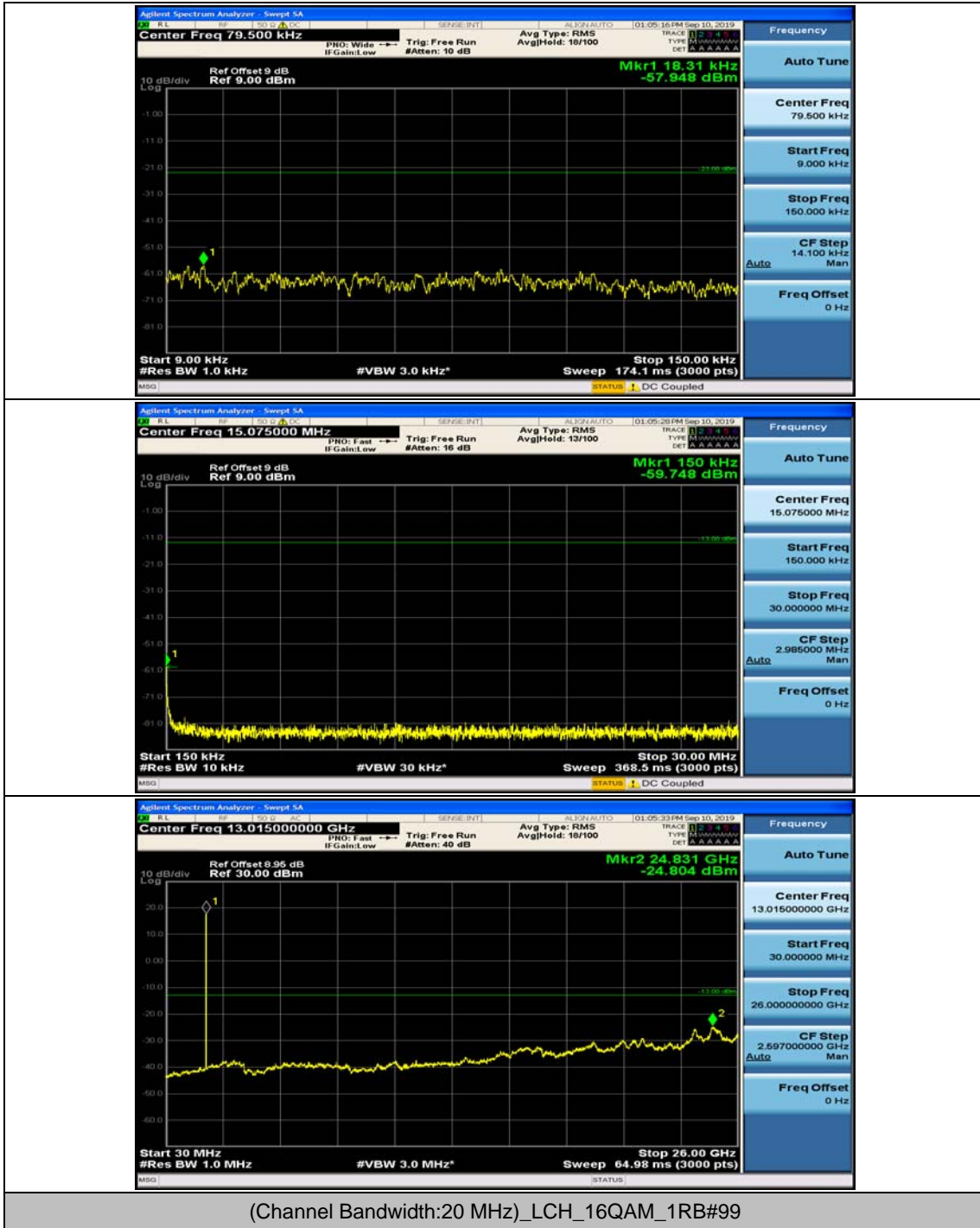


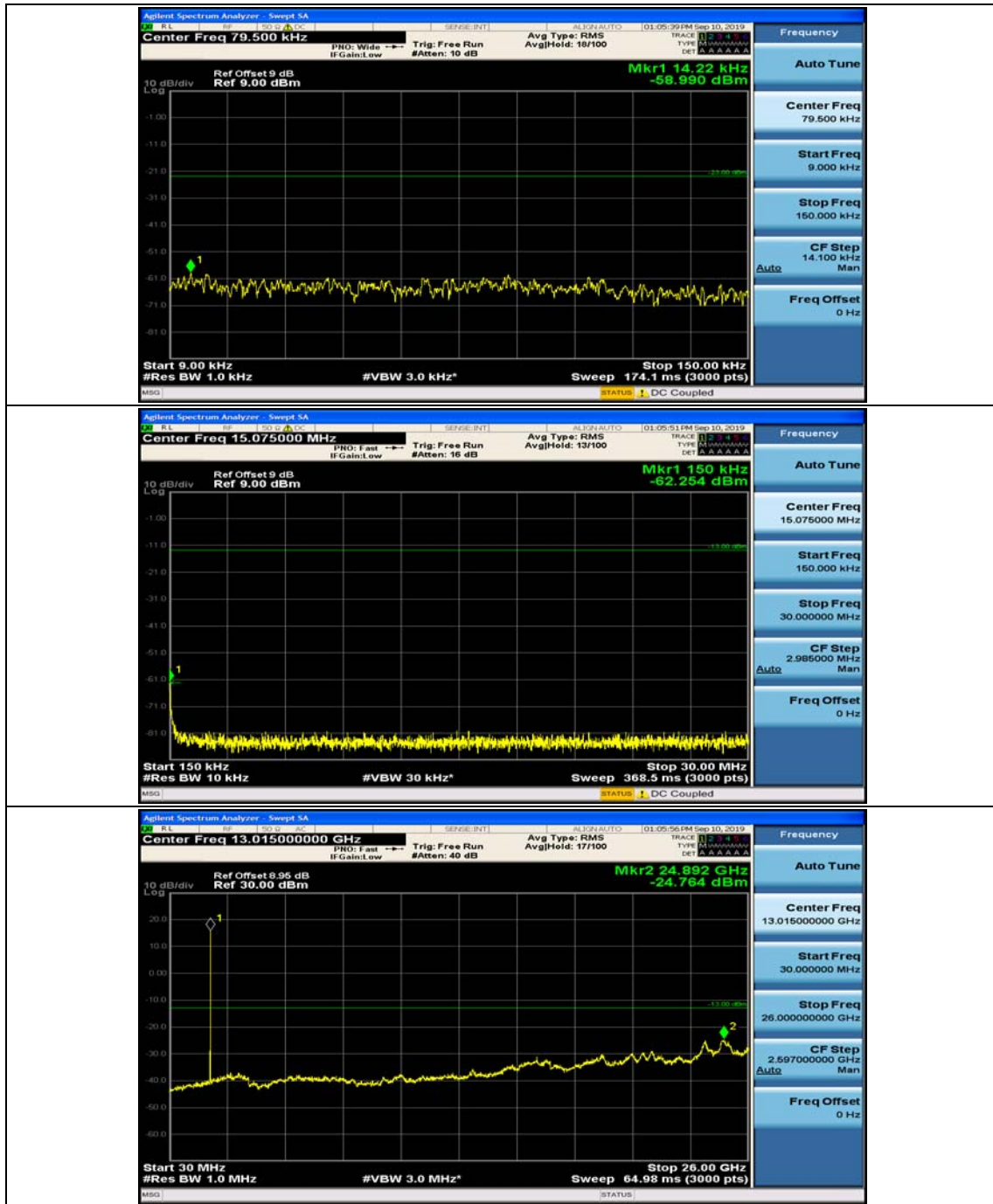
(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_1RB#0



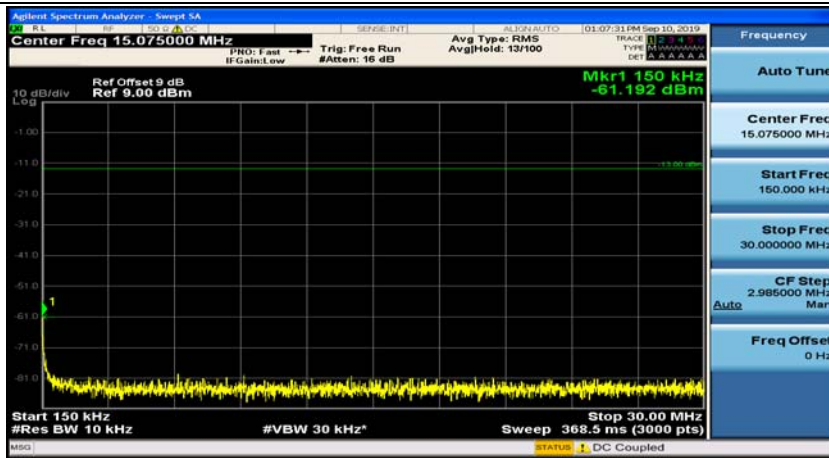
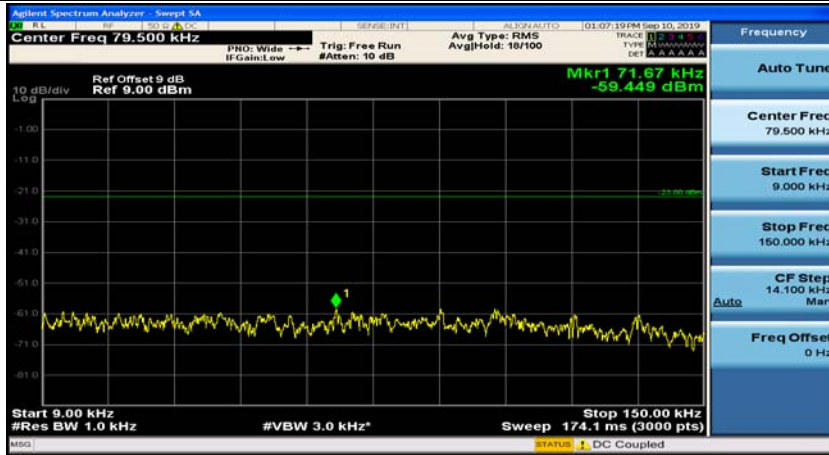
(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_1RB#49



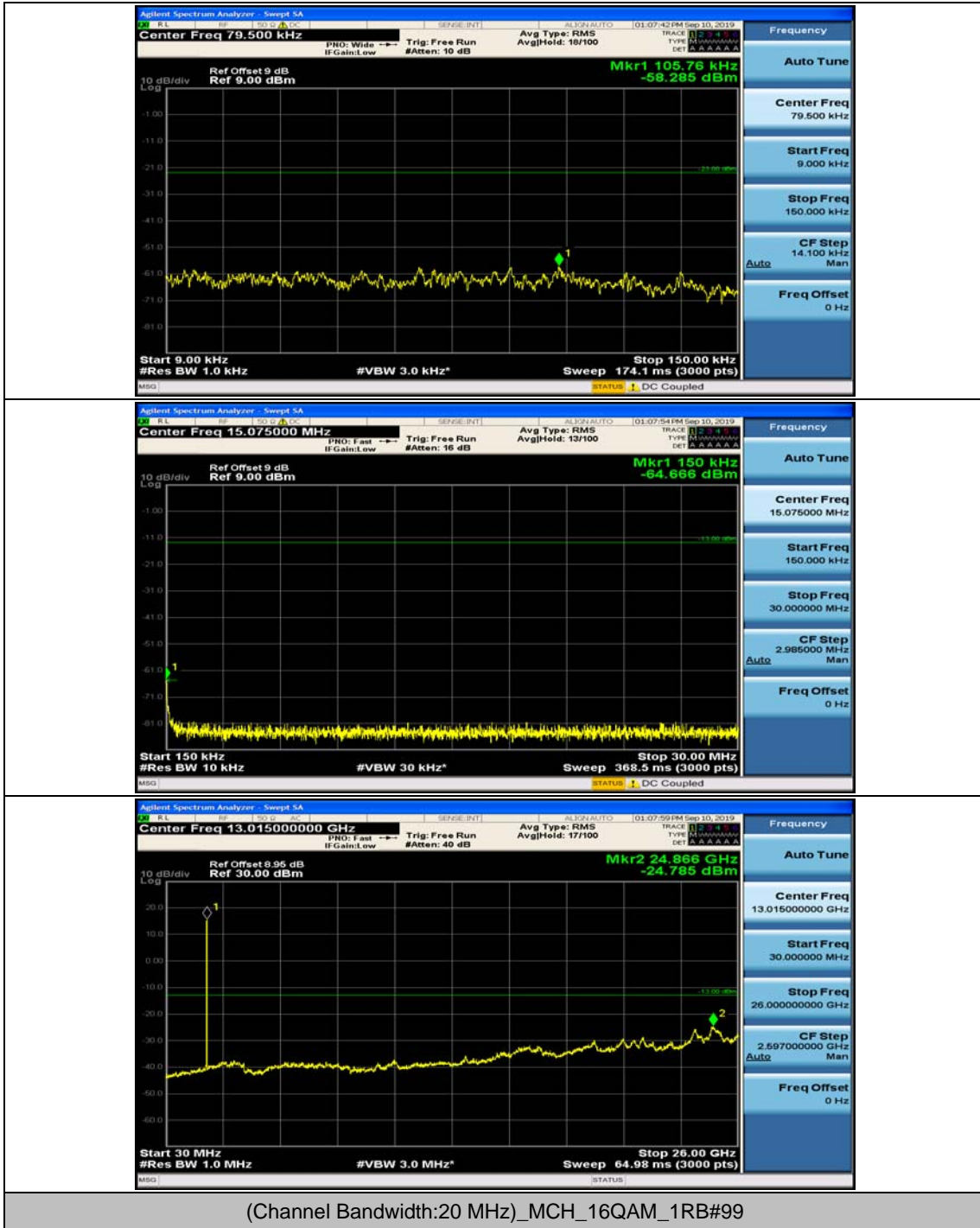


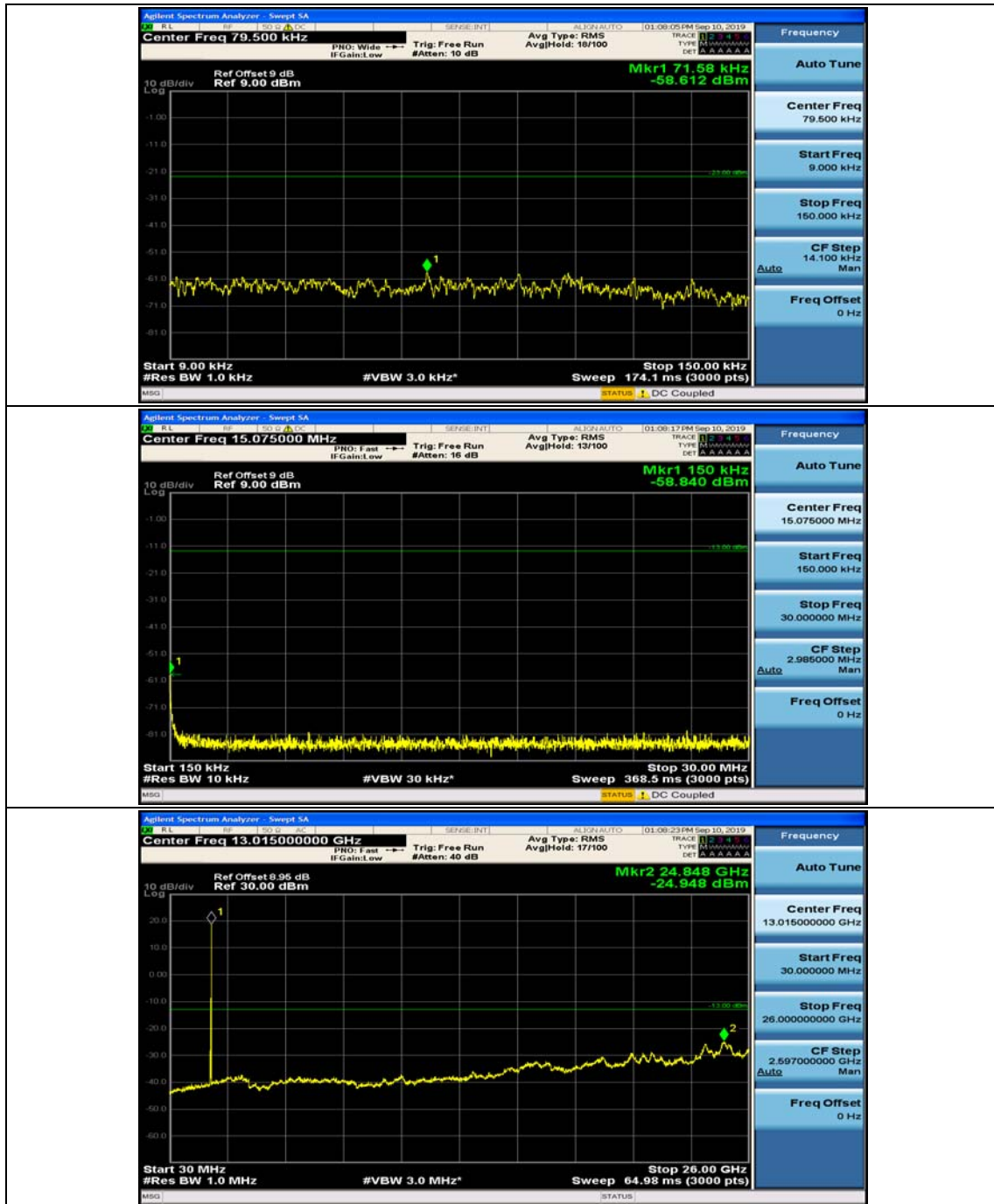


(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_1RB#0



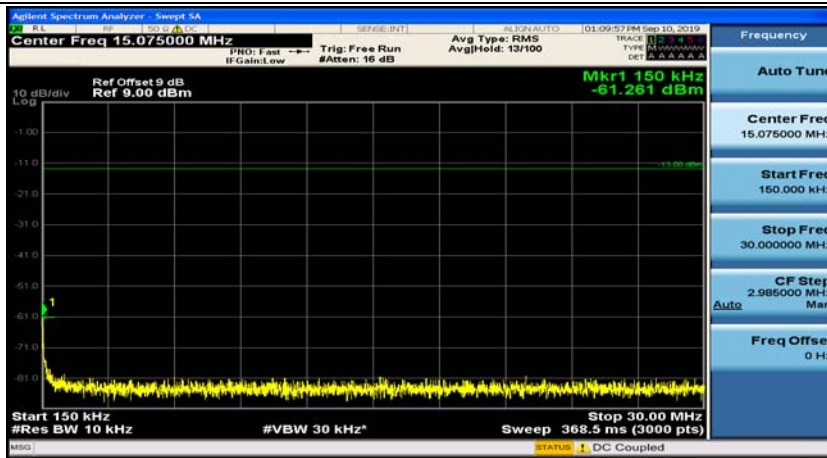
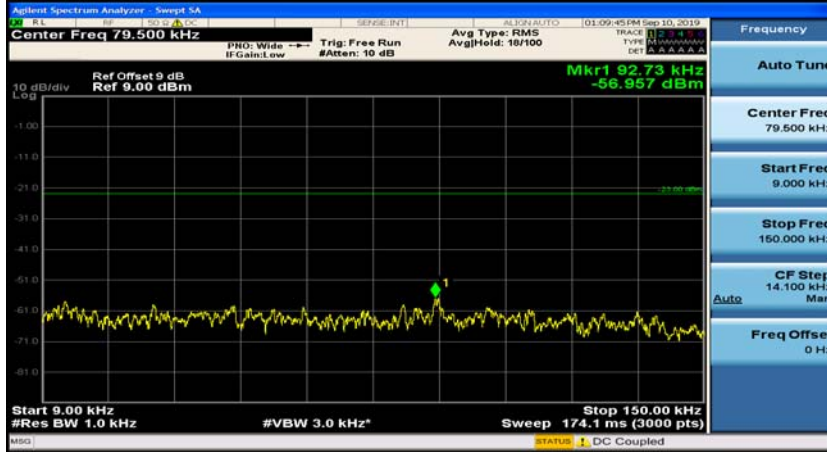
(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_1RB#49



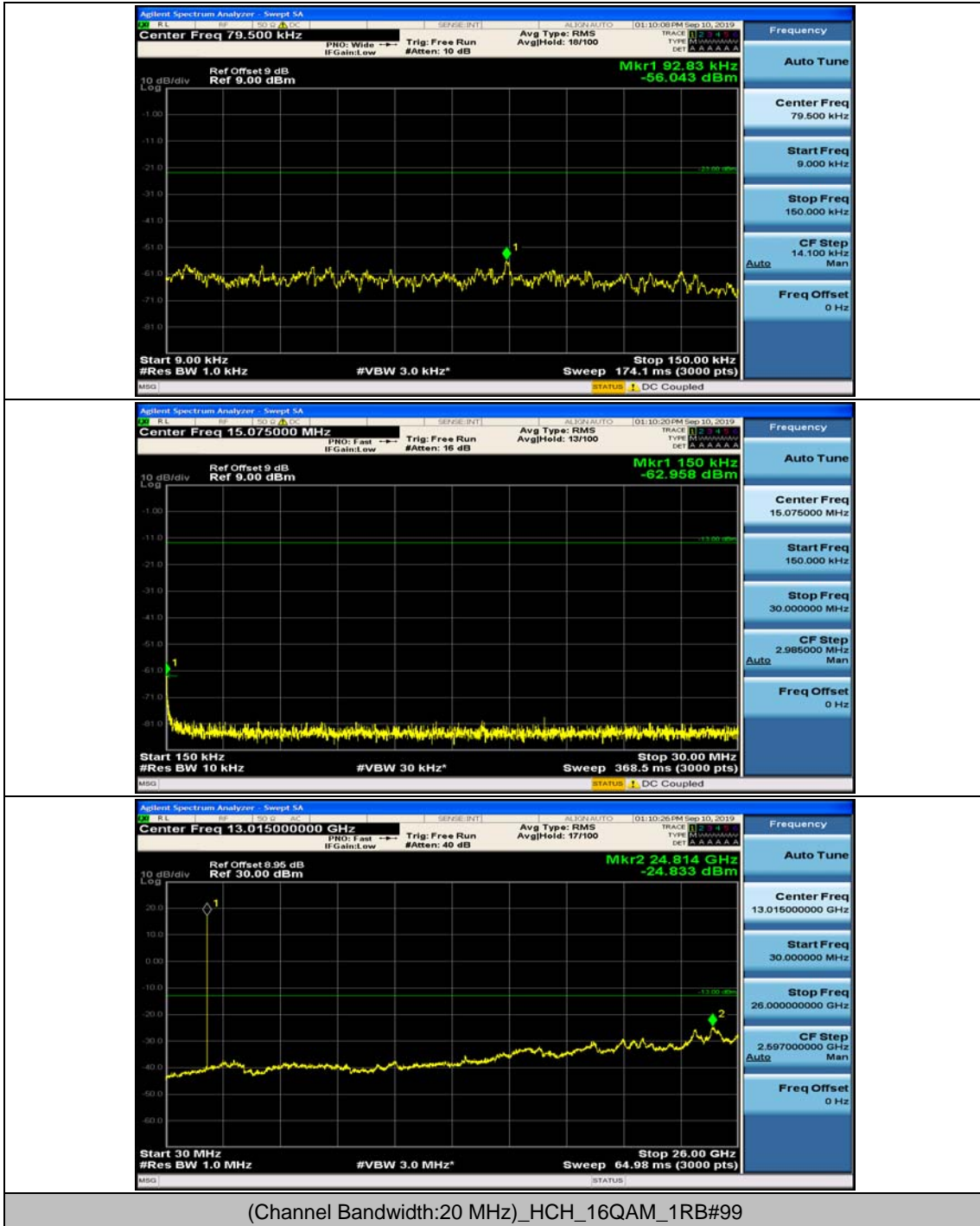


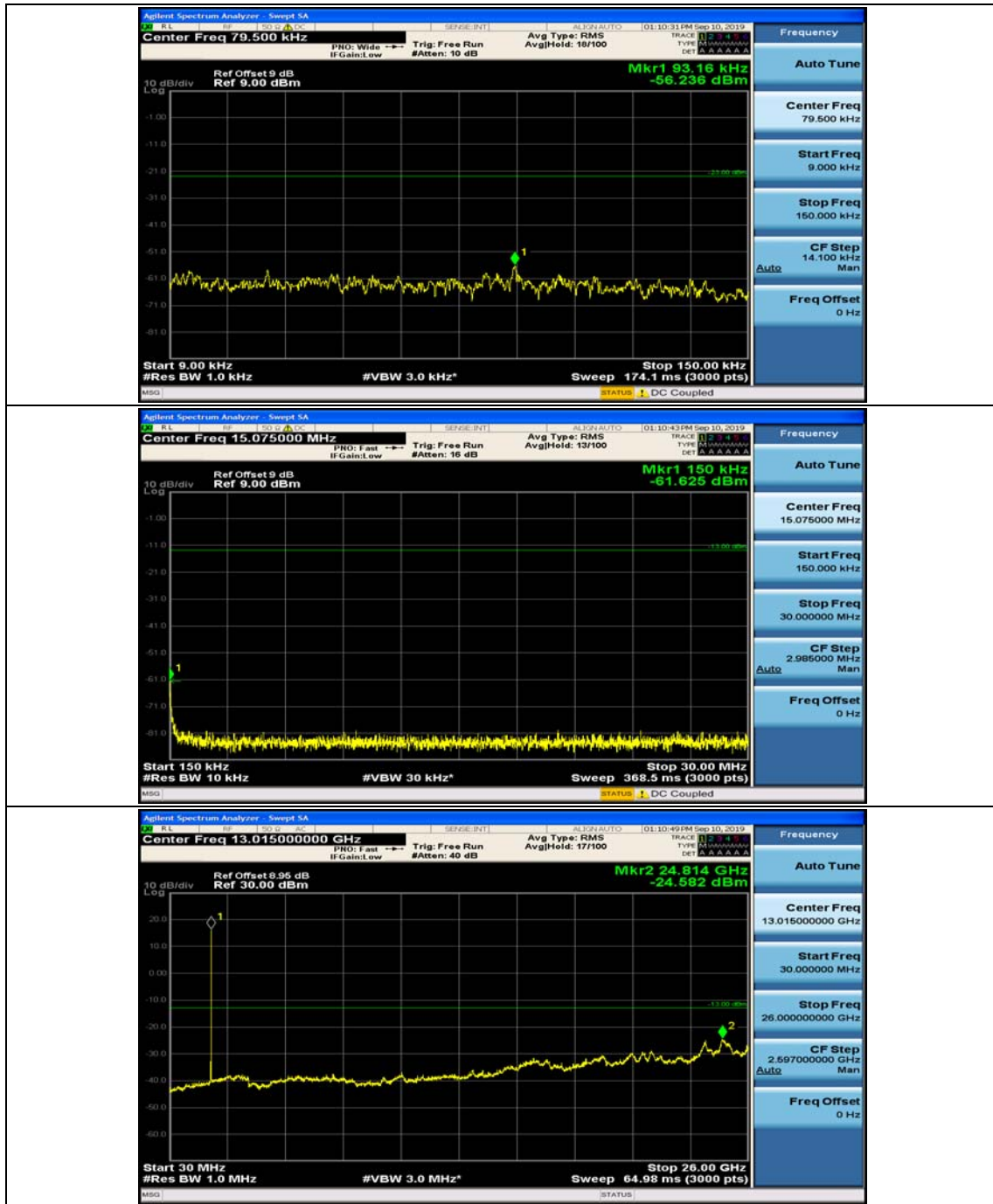


(Channel Bandwidth:20 MHz)\_HCH\_16QAM\_1RB#0



(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	0.07	0.000038	± 2.5	PASS
		VN	TN	0.36	0.000195	± 2.5	PASS
		VH	TN	0.47	0.000254	± 2.5	PASS
	MCH	VL	TN	1.3	0.000691	± 2.5	PASS
		VN	TN	-0.56	-0.000298	± 2.5	PASS
		VH	TN	-1.76	-0.000936	± 2.5	PASS
	HCH	VL	TN	-1.61	-0.000843	± 2.5	PASS
		VN	TN	0.22	0.000115	± 2.5	PASS
		VH	TN	3.16	0.001655	± 2.5	PASS
16QAM	LCH	VL	TN	0.65	0.000351	± 2.5	PASS
		VN	TN	4.04	0.002183	± 2.5	PASS
		VH	TN	2.18	0.001178	± 2.5	PASS
	MCH	VL	TN	-0.13	-0.000069	± 2.5	PASS
		VN	TN	3.23	0.001718	± 2.5	PASS
		VH	TN	4.93	0.002622	± 2.5	PASS
	HCH	VL	TN	3.5	0.001833	± 2.5	PASS
		VN	TN	-0.05	-0.000026	± 2.5	PASS
		VH	TN	2.5	0.001309	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.88	-0.001016	± 2.5	PASS
		VN	-20	-1.56	-0.000843	± 2.5	PASS
		VN	-10	0.27	0.000146	± 2.5	PASS
		VN	0	4.74	0.002561	± 2.5	PASS
		VN	10	0.56	0.000303	± 2.5	PASS
		VN	20	1.1	0.000594	± 2.5	PASS
		VN	30	2.86	0.001545	± 2.5	PASS
		VN	40	4.11	0.002221	± 2.5	PASS
		VN	50	0.87	0.000470	± 2.5	PASS
	MCH	VN	-30	4.43	0.002356	± 2.5	PASS

	VN	-20	4.18	0.002223	± 2.5	PASS	
		VN	-10	-1.38	-0.000734	± 2.5	PASS
		VN	0	0.26	0.000138	± 2.5	PASS
		VN	10	-0.26	-0.000138	± 2.5	PASS
		VN	20	-0.25	-0.000133	± 2.5	PASS
		VN	30	0.02	0.000011	± 2.5	PASS
		VN	40	2.58	0.001372	± 2.5	PASS
		VN	50	-1.42	-0.000755	± 2.5	PASS
	HCH	VN	-30	-0.46	-0.000241	± 2.5	PASS
		VN	-20	3.34	0.001749	± 2.5	PASS
		VN	-10	0.68	0.000356	± 2.5	PASS
		VN	0	0.63	0.000330	± 2.5	PASS
		VN	10	3.08	0.001613	± 2.5	PASS
		VN	20	3.33	0.001744	± 2.5	PASS
		VN	30	-0.84	-0.000440	± 2.5	PASS
		VN	40	1.74	0.000911	± 2.5	PASS
		VN	50	1.15	0.000602	± 2.5	PASS
		16QAM	LCH	VN	-30	3.01	0.001626
VN	-20			0.85	0.000459	± 2.5	PASS
VN	-10			4.31	0.002329	± 2.5	PASS
VN	0			3.91	0.002113	± 2.5	PASS
VN	10			2.48	0.001340	± 2.5	PASS
VN	20			-1.43	-0.000773	± 2.5	PASS
VN	30			2.73	0.001475	± 2.5	PASS
VN	40			2.15	0.001162	± 2.5	PASS
VN	50			-1	-0.000540	± 2.5	PASS
MCH	VN		-30	4.19	0.002229	± 2.5	PASS
	VN		-20	0.95	0.000505	± 2.5	PASS
	VN		-10	-1.36	-0.000723	± 2.5	PASS
	VN		0	4.59	0.002441	± 2.5	PASS
	VN		10	4.02	0.002138	± 2.5	PASS
	VN		20	-0.75	-0.000399	± 2.5	PASS
	VN		30	-1.07	-0.000569	± 2.5	PASS
	VN		40	3.46	0.001840	± 2.5	PASS
	VN		50	2.02	0.001074	± 2.5	PASS
HCH	VN		-30	0.47	0.000246	± 2.5	PASS
	VN		-20	-0.72	-0.000377	± 2.5	PASS
	VN		-10	2.94	0.001540	± 2.5	PASS
	VN		0	0.19	0.000100	± 2.5	PASS
	VN		10	-1.16	-0.000608	± 2.5	PASS
	VN		20	1.12	0.000587	± 2.5	PASS



		VN	30	-1.44	-0.000754	± 2.5	PASS
		VN	40	3.81	0.001995	± 2.5	PASS
		VN	50	0.44	0.000230	± 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	-0.98	-0.000529	± 2.5	PASS
		VN	TN	2.43	0.001312	± 2.5	PASS
		VH	TN	2.92	0.001577	± 2.5	PASS
	MCH	VL	TN	-0.31	-0.000165	± 2.5	PASS
		VN	TN	1.17	0.000622	± 2.5	PASS
		VH	TN	-1.2	-0.000638	± 2.5	PASS
	HCH	VL	TN	-1.55	-0.000812	± 2.5	PASS
		VN	TN	3.67	0.001923	± 2.5	PASS
		VH	TN	2.81	0.001472	± 2.5	PASS
16QAM	LCH	VL	TN	-0.61	-0.000329	± 2.5	PASS
		VN	TN	0.83	0.000448	± 2.5	PASS
		VH	TN	-0.48	-0.000259	± 2.5	PASS
	MCH	VL	TN	2.6	0.001383	± 2.5	PASS
		VN	TN	-0.1	-0.000053	± 2.5	PASS
		VH	TN	2.8	0.001489	± 2.5	PASS
	HCH	VL	TN	4.34	0.002274	± 2.5	PASS
		VN	TN	2.64	0.001383	± 2.5	PASS
		VH	TN	-1.43	-0.000749	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.19	0.000103	± 2.5	PASS
		VN	-20	2.82	0.001523	± 2.5	PASS
		VN	-10	4.41	0.002382	± 2.5	PASS
		VN	0	-1.74	-0.000940	± 2.5	PASS
		VN	10	4.21	0.002274	± 2.5	PASS
		VN	20	-1.39	-0.000751	± 2.5	PASS
		VN	30	4.37	0.002360	± 2.5	PASS
		VN	40	2.09	0.001129	± 2.5	PASS
		VN	50	0.1	0.000054	± 2.5	PASS
	MCH	VN	-30	-0.29	-0.000154	± 2.5	PASS
		VN	-20	-0.97	-0.000516	± 2.5	PASS

		VN	-10	3.33	0.001771	± 2.5	PASS	
		VN	0	0.14	0.000074	± 2.5	PASS	
		VN	10	3.56	0.001894	± 2.5	PASS	
		VN	20	-1.2	-0.000638	± 2.5	PASS	
		VN	30	2.61	0.001388	± 2.5	PASS	
		VN	40	-0.15	-0.000080	± 2.5	PASS	
		VN	50	3.59	0.001910	± 2.5	PASS	
	HCH	VN	-30	-1.08	-0.000566	± 2.5	PASS	
		VN	-20	4.64	0.002431	± 2.5	PASS	
		VN	-10	1.99	0.001043	± 2.5	PASS	
		VN	0	3.23	0.001692	± 2.5	PASS	
		VN	10	4.1	0.002148	± 2.5	PASS	
		VN	20	0.34	0.000178	± 2.5	PASS	
		VN	30	3.28	0.001719	± 2.5	PASS	
	QPSK	LCH	VN	40	4.92	0.002578	± 2.5	PASS
			VN	50	1	0.000524	± 2.5	PASS
			VN	-30	1.9	0.001026	± 2.5	PASS
			VN	-20	4.88	0.002636	± 2.5	PASS
VN			-10	2.28	0.001231	± 2.5	PASS	
VN			0	0.95	0.000513	± 2.5	PASS	
VN			10	-0.44	-0.000238	± 2.5	PASS	
VN			20	4.06	0.002193	± 2.5	PASS	
VN			30	-1.51	-0.000816	± 2.5	PASS	
MCH		VN	40	-0.54	-0.000292	± 2.5	PASS	
		VN	50	1.13	0.000610	± 2.5	PASS	
		VN	-30	0.46	0.000245	± 2.5	PASS	
		VN	-20	1.99	0.001059	± 2.5	PASS	
		VN	-10	4.07	0.002165	± 2.5	PASS	
		VN	0	1.44	0.000766	± 2.5	PASS	
		VN	10	4.11	0.002186	± 2.5	PASS	
		VN	20	3.92	0.002085	± 2.5	PASS	
		VN	30	-1.25	-0.000665	± 2.5	PASS	
HCH	VN	40	1.29	0.000686	± 2.5	PASS		
	VN	50	-0.96	-0.000511	± 2.5	PASS		
	VN	-30	0.32	0.000168	± 2.5	PASS		
	VN	-20	4.14	0.002169	± 2.5	PASS		
	VN	-10	-0.48	-0.000252	± 2.5	PASS		
	VN	0	3.39	0.001776	± 2.5	PASS		
	VN	10	-1.73	-0.000906	± 2.5	PASS		
VN	20	0.76	0.000398	± 2.5	PASS			
VN	30	2.52	0.001320	± 2.5	PASS			

		VN	40	-0.74	-0.000388	± 2.5	PASS
		VN	50	-0.07	-0.000037	± 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	-1.39	-0.000750	± 2.5	PASS
		VN	TN	4.48	0.002418	± 2.5	PASS
		VH	TN	0.63	0.000340	± 2.5	PASS
	MCH	VL	TN	4.18	0.002223	± 2.5	PASS
		VN	TN	-1.97	-0.001048	± 2.5	PASS
		VH	TN	1.35	0.000718	± 2.5	PASS
	HCH	VL	TN	0.57	0.000299	± 2.5	PASS
		VN	TN	-1.34	-0.000702	± 2.5	PASS
		VH	TN	-0.93	-0.000488	± 2.5	PASS
16QAM	LCH	VL	TN	-1.15	-0.000621	± 2.5	PASS
		VN	TN	3.07	0.001657	± 2.5	PASS
		VH	TN	-0.59	-0.000318	± 2.5	PASS
	MCH	VL	TN	2.94	0.001564	± 2.5	PASS
		VN	TN	-1.8	-0.000957	± 2.5	PASS
		VH	TN	1.54	0.000819	± 2.5	PASS
	HCH	VL	TN	-0.44	-0.000231	± 2.5	PASS
		VN	TN	1.56	0.000818	± 2.5	PASS
		VH	TN	3.89	0.002039	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.71	0.001463	± 2.5	PASS
		VN	-20	2.32	0.001252	± 2.5	PASS
		VN	-10	3.44	0.001857	± 2.5	PASS
		VN	0	1.55	0.000837	± 2.5	PASS
		VN	10	4.16	0.002246	± 2.5	PASS
		VN	20	1.11	0.000599	± 2.5	PASS
		VN	30	2.22	0.001198	± 2.5	PASS
		VN	40	-1.34	-0.000723	± 2.5	PASS
		VN	50	2.27	0.001225	± 2.5	PASS
	MCH	VN	-30	-1.49	-0.000793	± 2.5	PASS
		VN	-20	1.86	0.000989	± 2.5	PASS
		VN	-10	0.82	0.000436	± 2.5	PASS

	VN	0	-0.46	-0.000245	± 2.5	PASS			
		10	2.53	0.001346	± 2.5	PASS			
		20	-0.27	-0.000144	± 2.5	PASS			
		30	3.92	0.002085	± 2.5	PASS			
		40	1.35	0.000718	± 2.5	PASS			
		50	3.42	0.001819	± 2.5	PASS			
	HCH	VN	-30	-1.6	-0.000839	± 2.5	PASS		
		VN	-20	1.49	0.000781	± 2.5	PASS		
		VN	-10	0.24	0.000126	± 2.5	PASS		
		VN	0	1.91	0.001001	± 2.5	PASS		
		VN	10	3.56	0.001866	± 2.5	PASS		
		VN	20	0.62	0.000325	± 2.5	PASS		
		VN	30	2.49	0.001305	± 2.5	PASS		
		VN	40	4.25	0.002228	± 2.5	PASS		
		VN	50	-0.52	-0.000273	± 2.5	PASS		
		16QAM	LCH	VN	-30	3.86	0.002084	± 2.5	PASS
				VN	-20	-0.55	-0.000297	± 2.5	PASS
				VN	-10	4.47	0.002413	± 2.5	PASS
VN	0			3.36	0.001814	± 2.5	PASS		
VN	10			-1.66	-0.000896	± 2.5	PASS		
VN	20			-1.81	-0.000977	± 2.5	PASS		
VN	30			4.78	0.002580	± 2.5	PASS		
VN	40			-0.81	-0.000437	± 2.5	PASS		
VN	50			4.32	0.002332	± 2.5	PASS		
MCH	VN		-30	3.06	0.001628	± 2.5	PASS		
	VN		-20	3.37	0.001793	± 2.5	PASS		
	VN		-10	1.17	0.000622	± 2.5	PASS		
	VN		0	-0.85	-0.000452	± 2.5	PASS		
	VN		10	3.52	0.001872	± 2.5	PASS		
	VN		20	0.45	0.000239	± 2.5	PASS		
	VN		30	2.17	0.001154	± 2.5	PASS		
	VN		40	2.17	0.001154	± 2.5	PASS		
	VN		50	2.52	0.001340	± 2.5	PASS		
HCH	VN		-30	2.69	0.001410	± 2.5	PASS		
	VN		-20	1.71	0.000896	± 2.5	PASS		
	VN		-10	-0.65	-0.000341	± 2.5	PASS		
	VN		0	0.08	0.000042	± 2.5	PASS		
	VN		10	1.37	0.000718	± 2.5	PASS		
	VN		20	-0.78	-0.000409	± 2.5	PASS		
	VN		30	-1.06	-0.000556	± 2.5	PASS		
	VN		40	4.83	0.002532	± 2.5	PASS		

		VN	50	2.07	0.001085	± 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	-1.06	-0.000571	± 2.5	PASS
		VN	TN	3.32	0.001790	± 2.5	PASS
		VH	TN	2.73	0.001472	± 2.5	PASS
	MCH	VL	TN	-0.24	-0.000128	± 2.5	PASS
		VN	TN	0.4	0.000213	± 2.5	PASS
		VH	TN	1.33	0.000707	± 2.5	PASS
	HCH	VL	TN	2.89	0.001517	± 2.5	PASS
		VN	TN	2.94	0.001543	± 2.5	PASS
		VH	TN	0.7	0.000367	± 2.5	PASS
16QAM	LCH	VL	TN	3.16	0.001704	± 2.5	PASS
		VN	TN	-0.46	-0.000248	± 2.5	PASS
		VH	TN	-0.96	-0.000518	± 2.5	PASS
	MCH	VL	TN	1.91	0.001016	± 2.5	PASS
		VN	TN	4.54	0.002415	± 2.5	PASS
		VH	TN	3.06	0.001628	± 2.5	PASS
	HCH	VL	TN	2.94	0.001543	± 2.5	PASS
		VN	TN	-1.39	-0.000730	± 2.5	PASS
		VH	TN	1.44	0.000756	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	-1.15	-0.000620	± 2.5	PASS
		VN	-20	1.37	0.000739	± 2.5	PASS
		VN	-10	1.08	0.000582	± 2.5	PASS
		VN	0	4.95	0.002668	± 2.5	PASS
		VN	10	1.23	0.000663	± 2.5	PASS
		VN	20	-0.01	-0.000005	± 2.5	PASS
		VN	30	4.06	0.002189	± 2.5	PASS
		VN	40	0.85	0.000458	± 2.5	PASS
		VN	50	1.85	0.000997	± 2.5	PASS
	MCH	VN	-30	-0.64	-0.000340	± 2.5	PASS
		VN	-20	0.4	0.000213	± 2.5	PASS
		VN	-10	1.09	0.000580	± 2.5	PASS
		VN	0	1.91	0.001016	± 2.5	PASS



		VN	10	0.89	0.000473	± 2.5	PASS
		VN	20	3.7	0.001968	± 2.5	PASS
		VN	30	1.22	0.000649	± 2.5	PASS
		VN	40	0.45	0.000239	± 2.5	PASS
		VN	50	3.11	0.001654	± 2.5	PASS
	HCH	VN	-30	3.5	0.001837	± 2.5	PASS
		VN	-20	1.44	0.000756	± 2.5	PASS
		VN	-10	1.74	0.000913	± 2.5	PASS
		VN	0	-1.62	-0.000850	± 2.5	PASS
		VN	10	4.97	0.002609	± 2.5	PASS
		VN	20	1.97	0.001034	± 2.5	PASS
		VN	30	2.67	0.001402	± 2.5	PASS
		VN	40	-1.32	-0.000693	± 2.5	PASS
		VN	50	-1.14	-0.000598	± 2.5	PASS
		QPSK	LCH	VN	-30	4.81	0.002593
VN	-20			-1.95	-0.001051	± 2.5	PASS
VN	-10			0.33	0.000178	± 2.5	PASS
VN	0			-0.69	-0.000372	± 2.5	PASS
VN	10			-0.51	-0.000275	± 2.5	PASS
VN	20			4.01	0.002162	± 2.5	PASS
VN	30			0.83	0.000447	± 2.5	PASS
VN	40			4.53	0.002442	± 2.5	PASS
VN	50			-1.42	-0.000765	± 2.5	PASS
MCH	VN		-30	0.62	0.000330	± 2.5	PASS
	VN		-20	3.67	0.001952	± 2.5	PASS
	VN		-10	-0.49	-0.000261	± 2.5	PASS
	VN		0	3.23	0.001718	± 2.5	PASS
	VN		10	0.3	0.000160	± 2.5	PASS
	VN		20	0.88	0.000468	± 2.5	PASS
	VN		30	4.49	0.002388	± 2.5	PASS
	VN		40	2.63	0.001399	± 2.5	PASS
	VN		50	-0.78	-0.000415	± 2.5	PASS
HCH	VN		-30	0.78	0.000409	± 2.5	PASS
	VN		-20	4.67	0.002451	± 2.5	PASS
	VN		-10	3.48	0.001827	± 2.5	PASS
	VN		0	1.13	0.000593	± 2.5	PASS
	VN		10	2.68	0.001407	± 2.5	PASS
	VN		20	0.44	0.000231	± 2.5	PASS
	VN		30	3.5	0.001837	± 2.5	PASS
	VN		40	3.93	0.002063	± 2.5	PASS
	VN		50	3.57	0.001874	± 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	4.26	0.002293	± 2.5	PASS
		VN	TN	-0.88	-0.000474	± 2.5	PASS
		VH	TN	3.1	0.001669	± 2.5	PASS
	MCH	VL	TN	-1	-0.000532	± 2.5	PASS
		VN	TN	2.09	0.001112	± 2.5	PASS
		VH	TN	1.87	0.000995	± 2.5	PASS
	HCH	VL	TN	4.83	0.002539	± 2.5	PASS
		VN	TN	-0.96	-0.000505	± 2.5	PASS
		VH	TN	-0.79	-0.000415	± 2.5	PASS
16QAM	LCH	VL	TN	-0.23	-0.000124	± 2.5	PASS
		VN	TN	1.64	0.000883	± 2.5	PASS
		VH	TN	1.51	0.000813	± 2.5	PASS
	MCH	VL	TN	0.19	0.000101	± 2.5	PASS
		VN	TN	4.13	0.002197	± 2.5	PASS
		VH	TN	-0.37	-0.000197	± 2.5	PASS
	HCH	VL	TN	2.34	0.001230	± 2.5	PASS
		VN	TN	-0.68	-0.000357	± 2.5	PASS
		VH	TN	-1.12	-0.000589	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.19	0.001179	± 2.5	PASS
		VN	-20	4.67	0.002514	± 2.5	PASS
		VN	-10	1.09	0.000587	± 2.5	PASS
		VN	0	0.02	0.000011	± 2.5	PASS
		VN	10	2.45	0.001319	± 2.5	PASS
		VN	20	-1.49	-0.000802	± 2.5	PASS
		VN	30	3.49	0.001879	± 2.5	PASS
		VN	40	4.44	0.002390	± 2.5	PASS
		VN	50	-1.05	-0.000565	± 2.5	PASS
	MCH	VN	-30	1.65	0.000878	± 2.5	PASS
		VN	-20	-1.23	-0.000654	± 2.5	PASS
		VN	-10	0.74	0.000394	± 2.5	PASS
		VN	0	1	0.000532	± 2.5	PASS
		VN	10	-1	-0.000532	± 2.5	PASS
		VN	20	1.6	0.000851	± 2.5	PASS

		VN	30	-1.92	-0.001021	± 2.5	PASS
		VN	40	0.71	0.000378	± 2.5	PASS
		VN	50	-0.54	-0.000287	± 2.5	PASS
	HCH	VN	-30	3.03	0.001593	± 2.5	PASS
		VN	-20	2.22	0.001167	± 2.5	PASS
		VN	-10	-0.13	-0.000068	± 2.5	PASS
		VN	0	-1.19	-0.000625	± 2.5	PASS
		VN	10	4.53	0.002381	± 2.5	PASS
		VN	20	-1.37	-0.000720	± 2.5	PASS
		VN	30	3	0.001577	± 2.5	PASS
		VN	40	-1.8	-0.000946	± 2.5	PASS
		VN	50	0.44	0.000231	± 2.5	PASS
QPSK	LCH	VN	-30	-0.76	-0.000409	± 2.5	PASS
		VN	-20	0.35	0.000188	± 2.5	PASS
		VN	-10	4.02	0.002164	± 2.5	PASS
		VN	0	0.74	0.000398	± 2.5	PASS
		VN	10	-0.68	-0.000366	± 2.5	PASS
		VN	20	1.37	0.000738	± 2.5	PASS
		VN	30	4.16	0.002240	± 2.5	PASS
		VN	40	-1.19	-0.000641	± 2.5	PASS
	MCH	VN	50	1.52	0.000818	± 2.5	PASS
		VN	-30	3.86	0.002053	± 2.5	PASS
		VN	-20	-0.37	-0.000197	± 2.5	PASS
		VN	-10	-1.59	-0.000846	± 2.5	PASS
		VN	0	2.7	0.001436	± 2.5	PASS
		VN	10	-1.96	-0.001043	± 2.5	PASS
		VN	20	-1.73	-0.000920	± 2.5	PASS
		VN	30	1.13	0.000601	± 2.5	PASS
	HCH	VN	40	4.32	0.002298	± 2.5	PASS
		VN	50	2.1	0.001117	± 2.5	PASS
		VN	-30	3.01	0.001582	± 2.5	PASS
		VN	-20	2.57	0.001351	± 2.5	PASS
		VN	-10	-1.88	-0.000988	± 2.5	PASS
		VN	0	0.8	0.000420	± 2.5	PASS
		VN	10	-0.39	-0.000205	± 2.5	PASS
		VN	20	2.49	0.001309	± 2.5	PASS
VN	30	-1.85	-0.000972	± 2.5	PASS		
VN	40	4.7	0.002470	± 2.5	PASS		
VN	50	2.48	0.001304	± 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	4.21	0.002263	± 2.5	PASS
		VN	TN	0.67	0.000360	± 2.5	PASS
		VH	TN	4.86	0.002613	± 2.5	PASS
	MCH	VL	TN	1.59	0.000846	± 2.5	PASS
		VN	TN	-1	-0.000532	± 2.5	PASS
		VH	TN	1.97	0.001048	± 2.5	PASS
	HCH	VL	TN	3.91	0.002058	± 2.5	PASS
		VN	TN	4.62	0.002432	± 2.5	PASS
		VH	TN	3.81	0.002005	± 2.5	PASS
16QAM	LCH	VL	TN	-0.04	-0.000022	± 2.5	PASS
		VN	TN	2.96	0.001591	± 2.5	PASS
		VH	TN	-0.85	-0.000457	± 2.5	PASS
	MCH	VL	TN	2.62	0.001394	± 2.5	PASS
		VN	TN	0.16	0.000085	± 2.5	PASS
		VH	TN	-2	-0.001064	± 2.5	PASS
	HCH	VL	TN	4.88	0.002568	± 2.5	PASS
		VN	TN	4.34	0.002284	± 2.5	PASS
		VH	TN	3.94	0.002074	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.53	0.000823	± 2.5	PASS
		VN	-20	0.07	0.000038	± 2.5	PASS
		VN	-10	4.79	0.002575	± 2.5	PASS
		VN	0	-1.98	-0.001065	± 2.5	PASS
		VN	10	4.5	0.002419	± 2.5	PASS
		VN	20	2.73	0.001468	± 2.5	PASS
		VN	30	2.75	0.001478	± 2.5	PASS
		VN	40	3.87	0.002081	± 2.5	PASS
		VN	50	0.88	0.000473	± 2.5	PASS
	MCH	VN	-30	0.46	0.000245	± 2.5	PASS
		VN	-20	0.85	0.000452	± 2.5	PASS
		VN	-10	4.4	0.002340	± 2.5	PASS
		VN	0	0.93	0.000495	± 2.5	PASS
		VN	10	-1.09	-0.000580	± 2.5	PASS
		VN	20	-1.89	-0.001005	± 2.5	PASS

		VN	30	4.11	0.002186	± 2.5	PASS
		VN	40	-0.64	-0.000340	± 2.5	PASS
		VN	50	-1.11	-0.000590	± 2.5	PASS
	HCH	VN	-30	0.96	0.000505	± 2.5	PASS
		VN	-20	4.01	0.002111	± 2.5	PASS
		VN	-10	3.79	0.001995	± 2.5	PASS
		VN	0	2.57	0.001353	± 2.5	PASS
		VN	10	3.17	0.001668	± 2.5	PASS
		VN	20	1.68	0.000884	± 2.5	PASS
		VN	30	-0.58	-0.000305	± 2.5	PASS
		VN	40	-0.4	-0.000211	± 2.5	PASS
		VN	50	3.18	0.001674	± 2.5	PASS
QPSK	LCH	VN	-30	4.1	0.002204	± 2.5	PASS
		VN	-20	3.96	0.002129	± 2.5	PASS
		VN	-10	1.27	0.000683	± 2.5	PASS
		VN	0	-0.25	-0.000134	± 2.5	PASS
		VN	10	0.21	0.000113	± 2.5	PASS
		VN	20	4.97	0.002672	± 2.5	PASS
		VN	30	1.01	0.000543	± 2.5	PASS
		VN	40	-1.42	-0.000763	± 2.5	PASS
		VN	50	2.73	0.001468	± 2.5	PASS
	MCH	VN	-30	0.95	0.000505	± 2.5	PASS
		VN	-20	3.13	0.001665	± 2.5	PASS
		VN	-10	4.97	0.002644	± 2.5	PASS
		VN	0	-1.86	-0.000989	± 2.5	PASS
		VN	10	4.8	0.002553	± 2.5	PASS
		VN	20	3.66	0.001947	± 2.5	PASS
		VN	30	3.71	0.001973	± 2.5	PASS
		VN	40	1.83	0.000973	± 2.5	PASS
		VN	50	3.63	0.001931	± 2.5	PASS
	HCH	VN	-30	0.44	0.000232	± 2.5	PASS
		VN	-20	4.84	0.002547	± 2.5	PASS
		VN	-10	4.53	0.002384	± 2.5	PASS
		VN	0	1.89	0.000995	± 2.5	PASS
		VN	10	2.96	0.001558	± 2.5	PASS
		VN	20	-0.41	-0.000216	± 2.5	PASS
		VN	30	1.41	0.000742	± 2.5	PASS
		VN	40	-0.23	-0.000121	± 2.5	PASS
		VN	50	2.35	0.001237	± 2.5	PASS