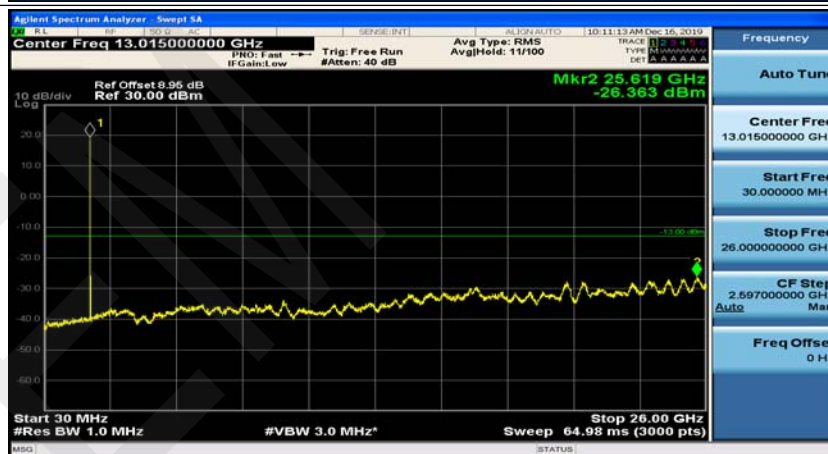
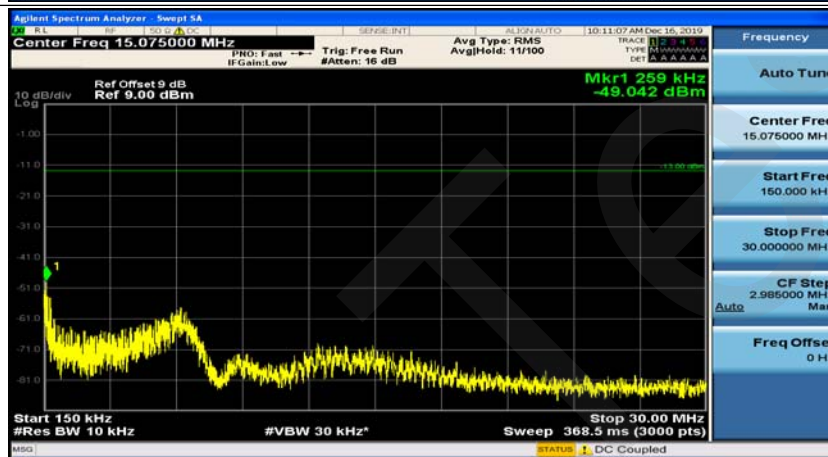
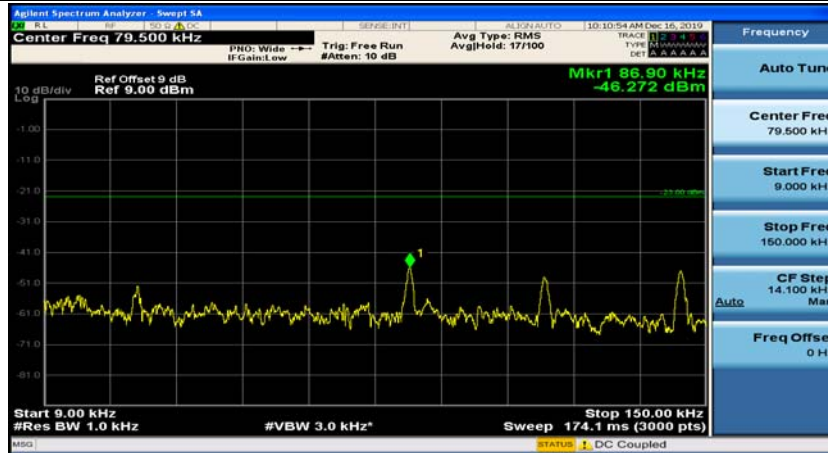
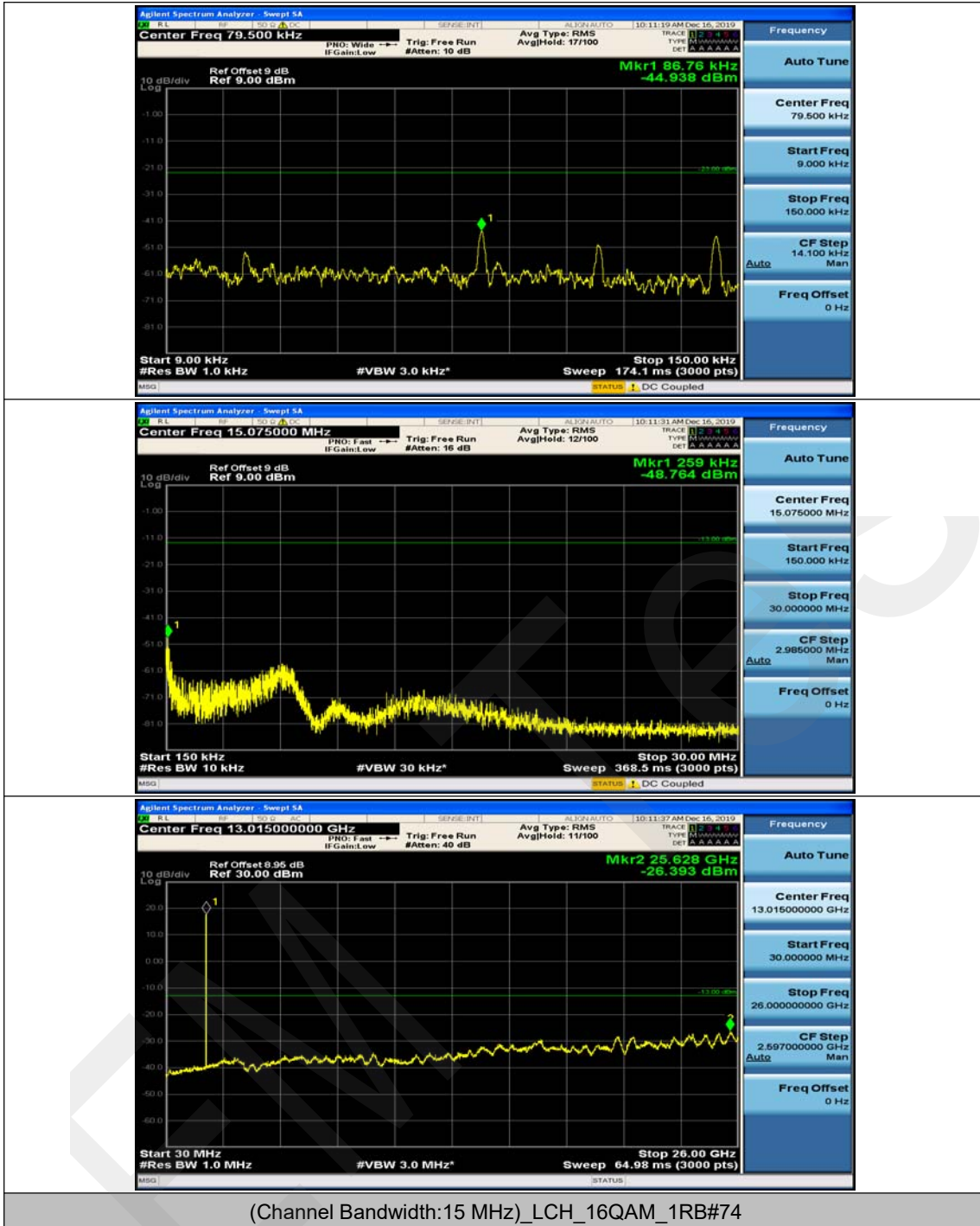
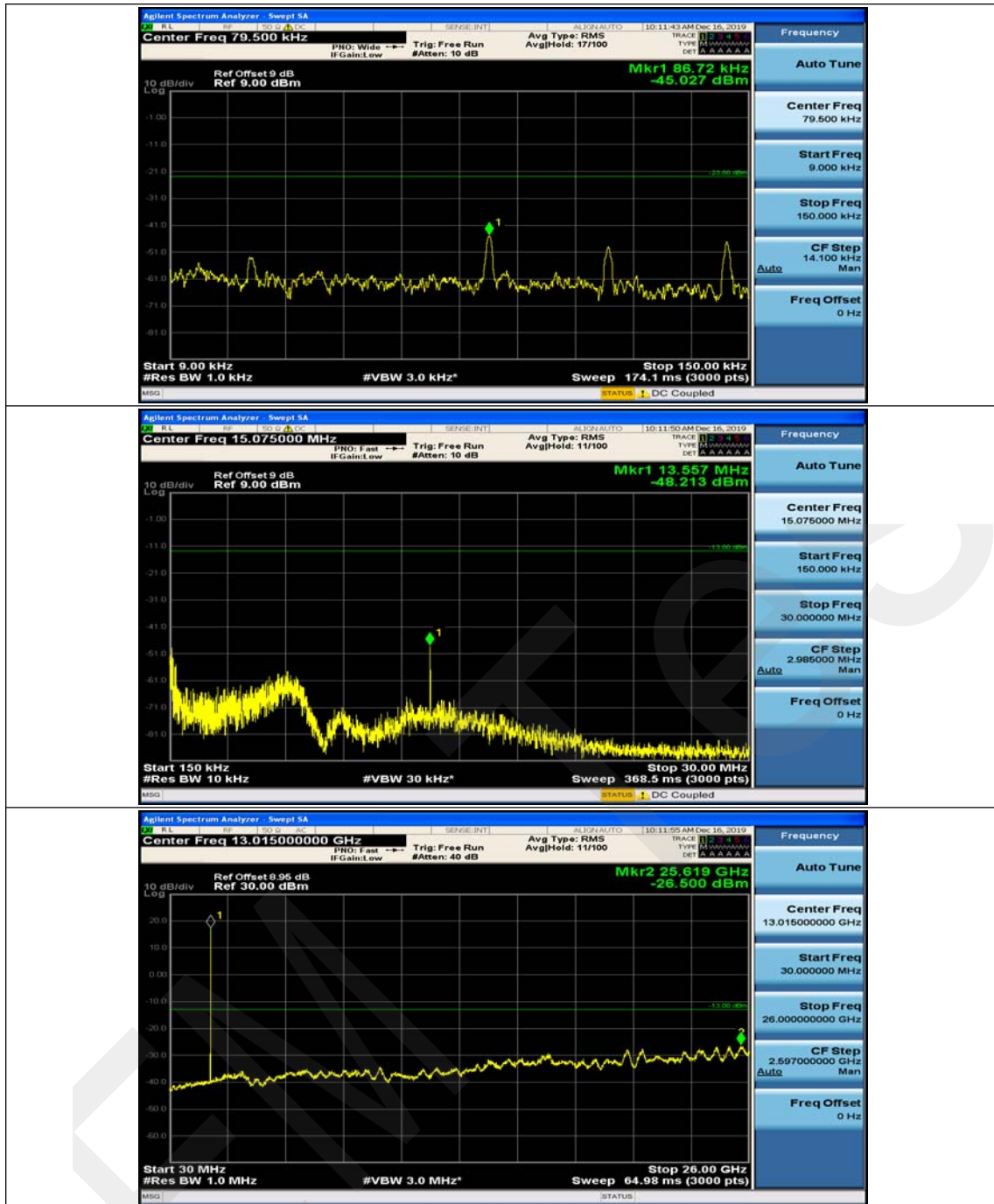


(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_1RB#0

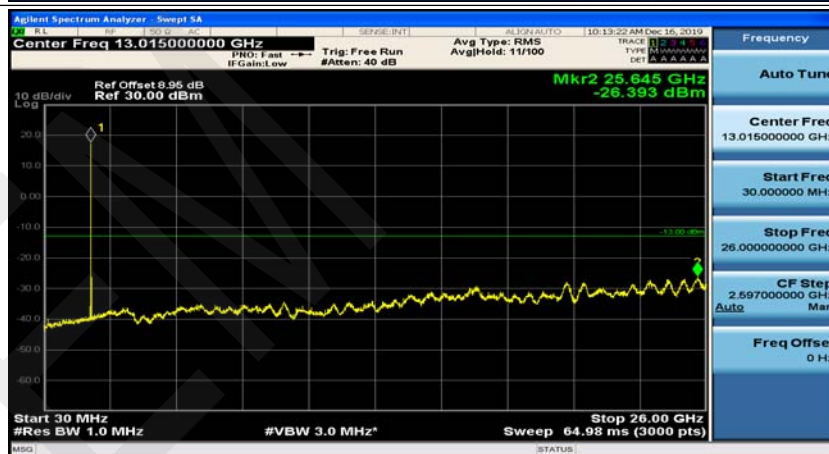
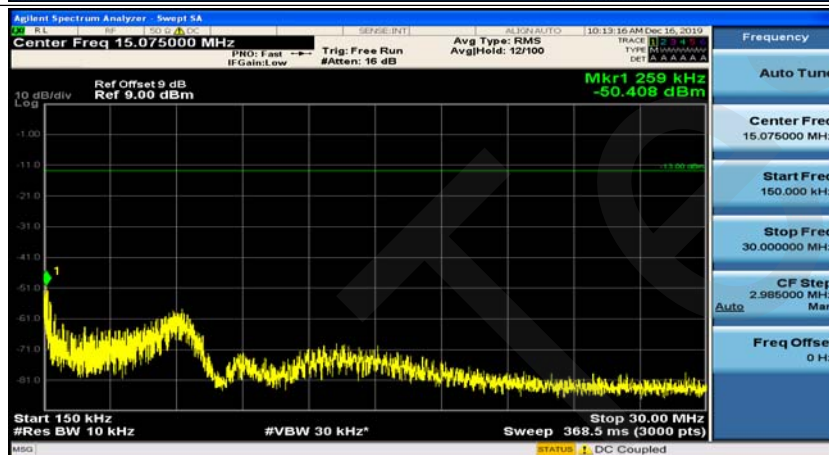
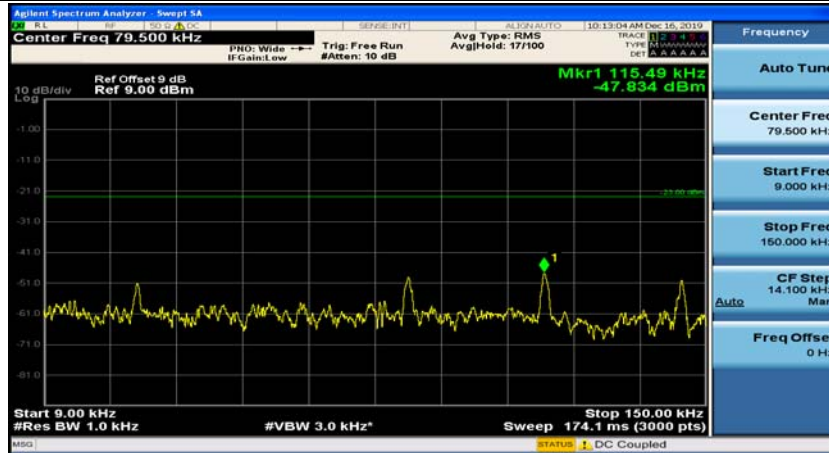


(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_1RB#37

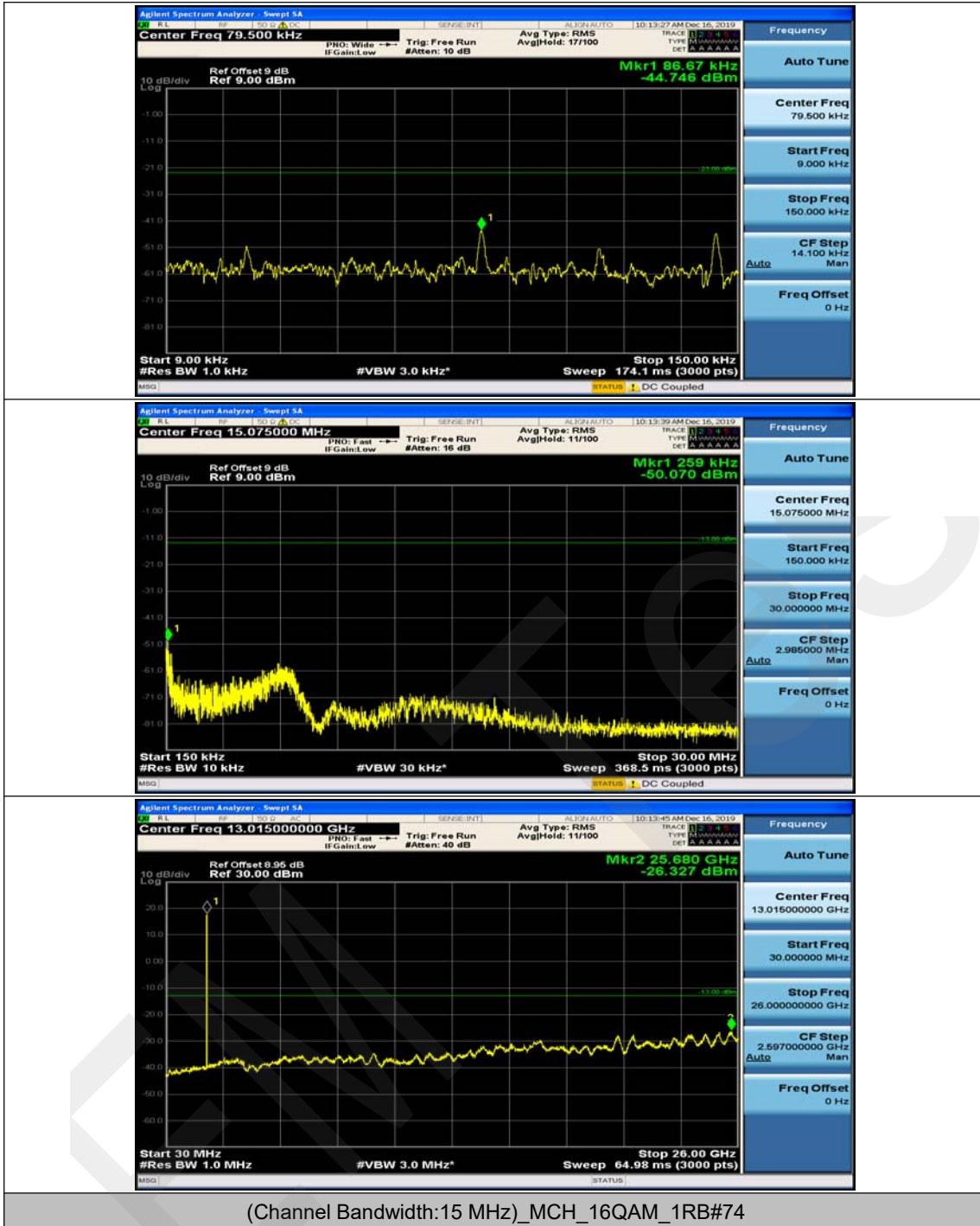


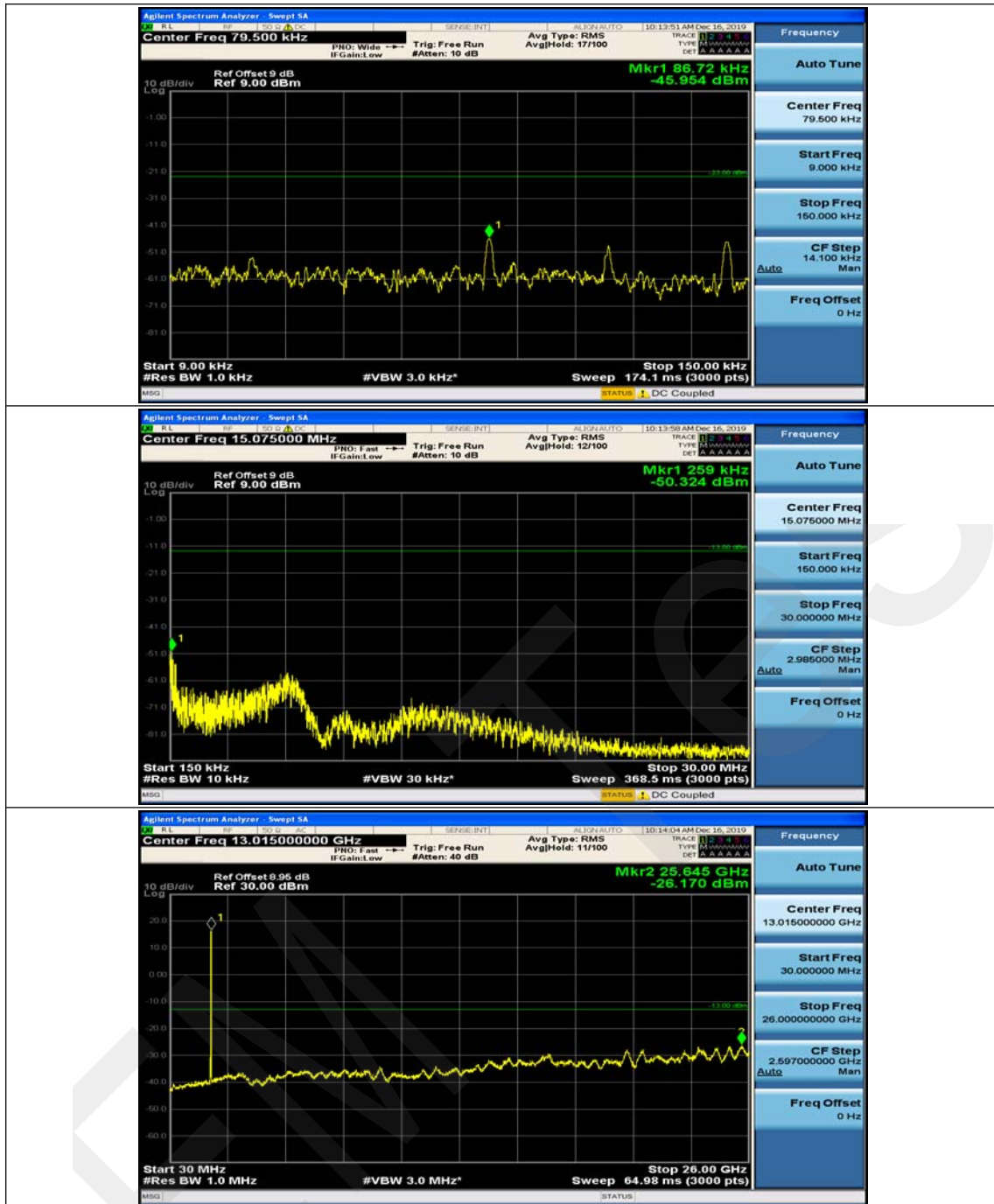


(Channel Bandwidth:15 MHz)\_MCH\_16QAM\_1RB#0

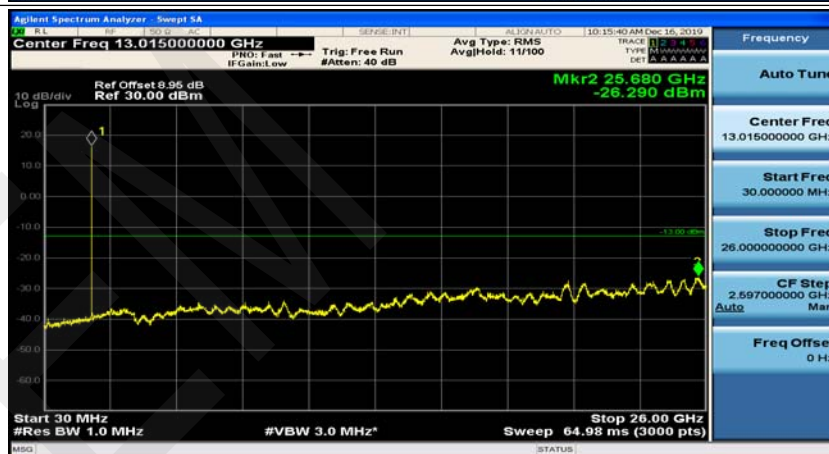
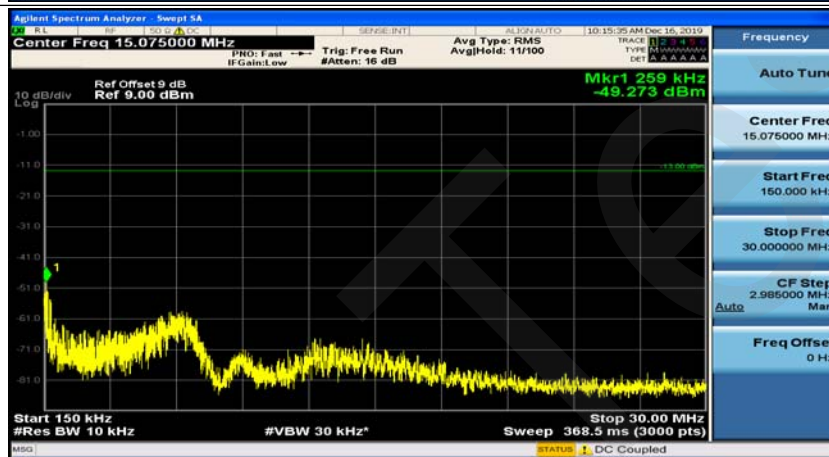
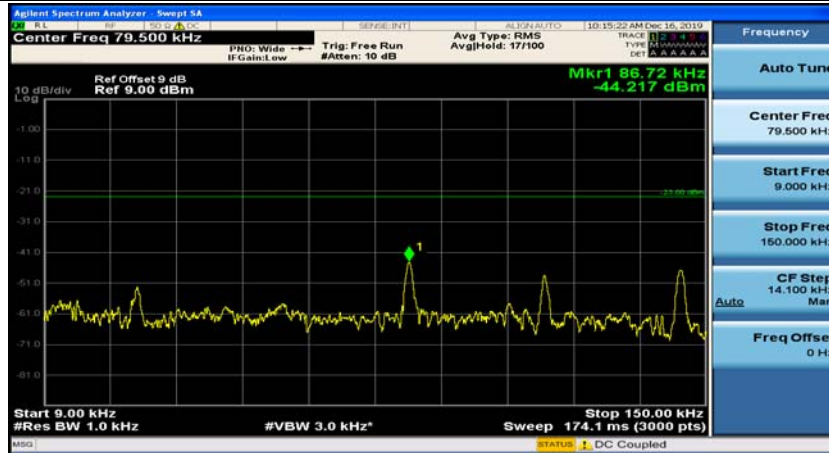


(Channel Bandwidth:15 MHz)\_MCH\_16QAM\_1RB#37



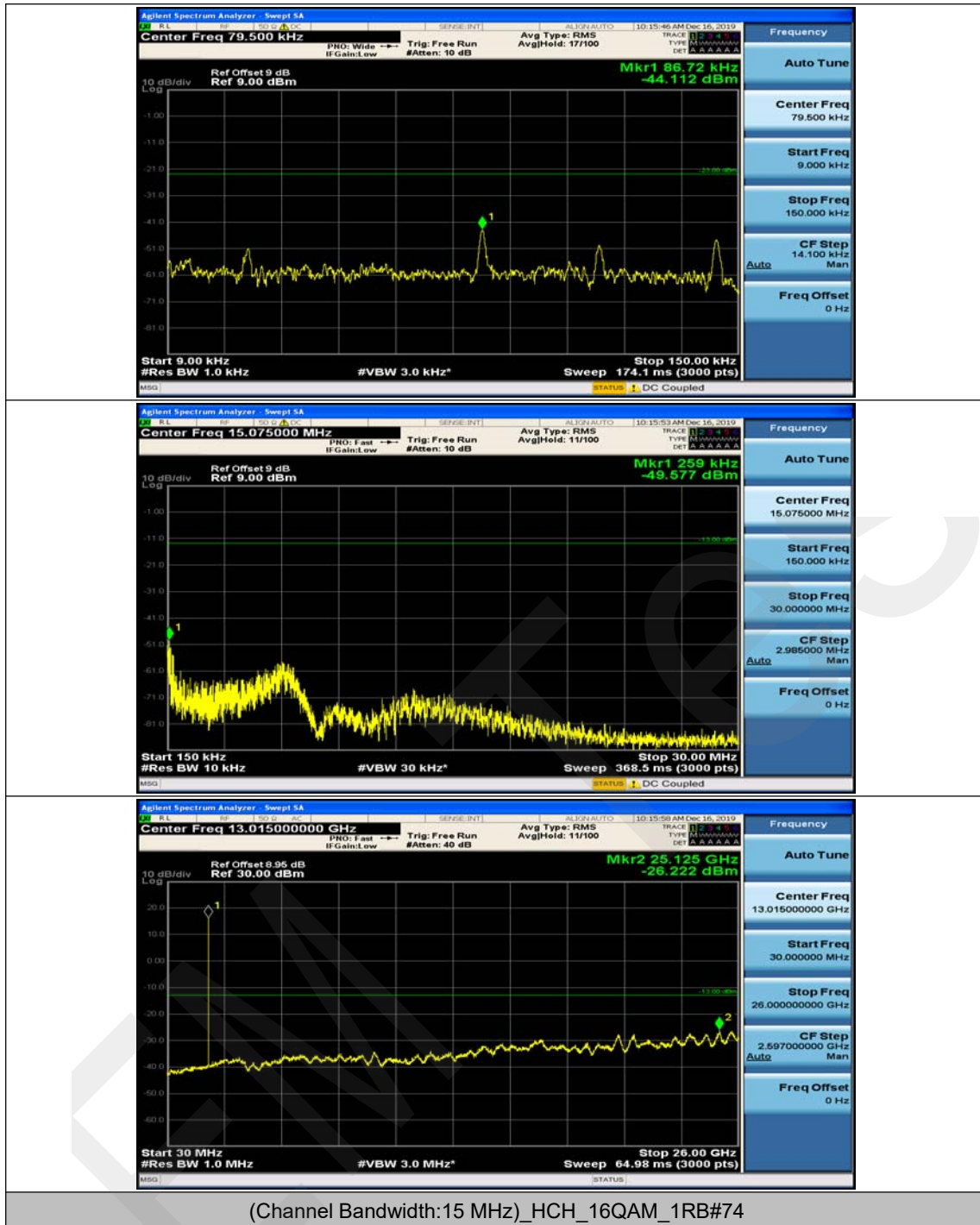


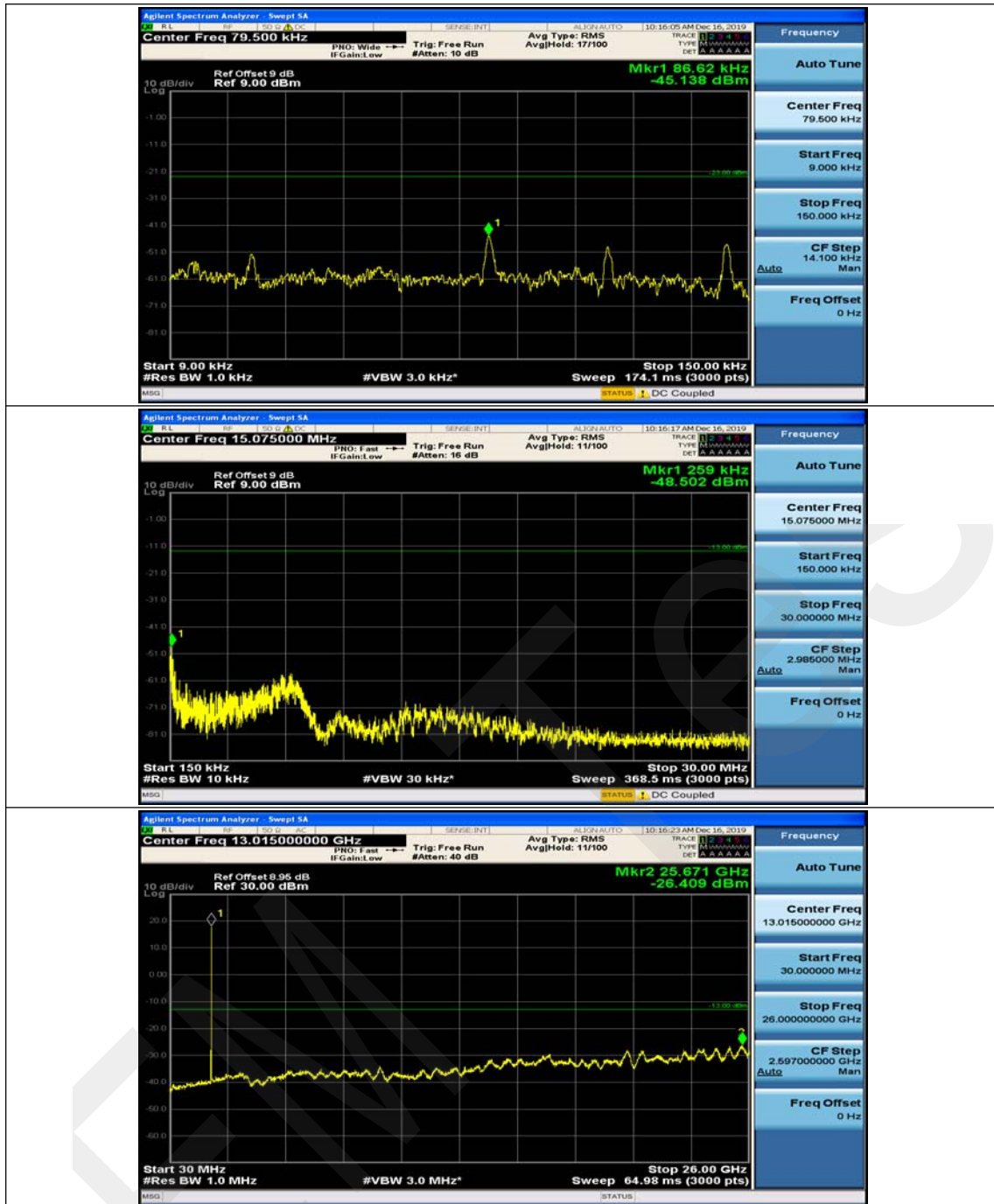
(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_1RB#0



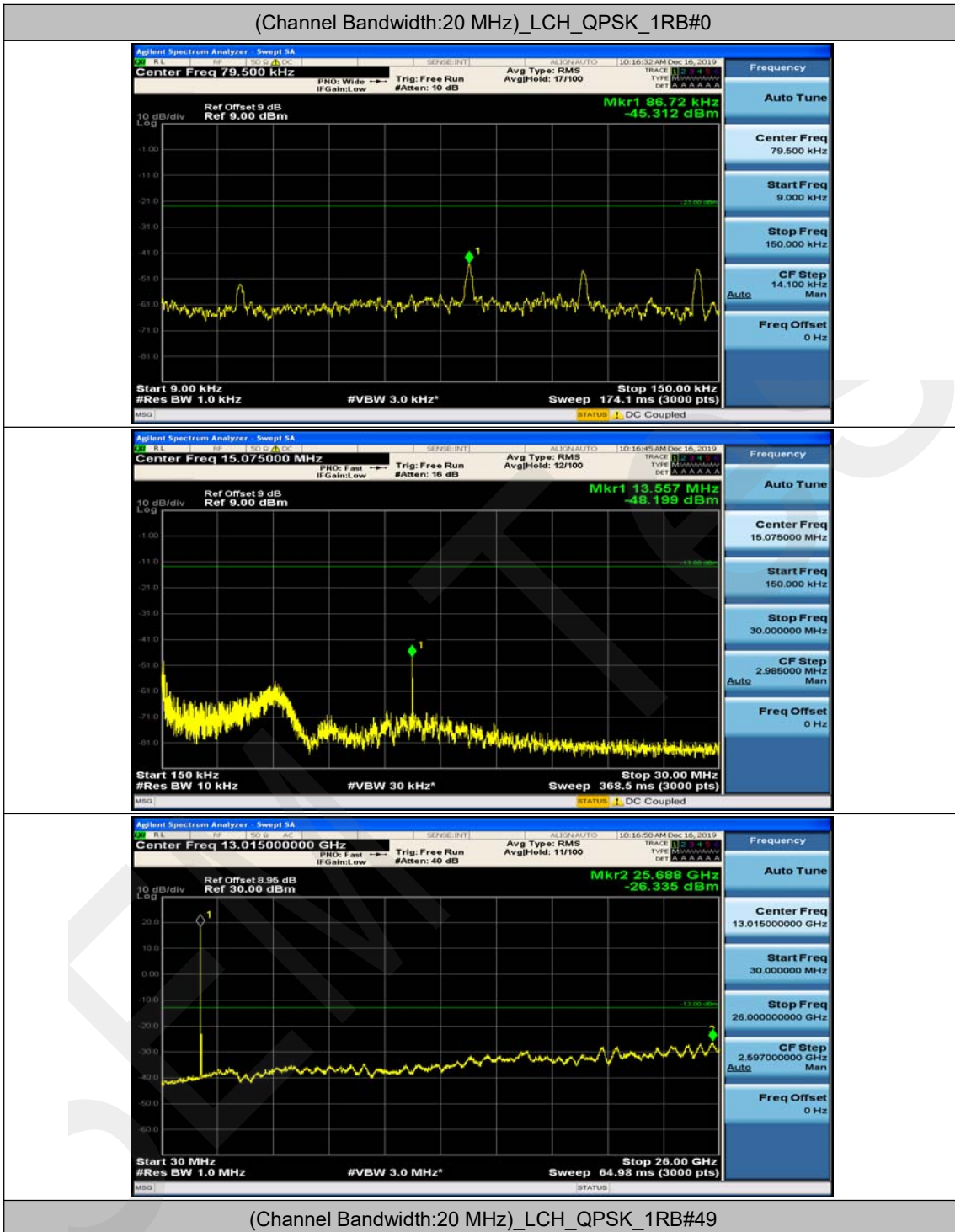
(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_1RB#37

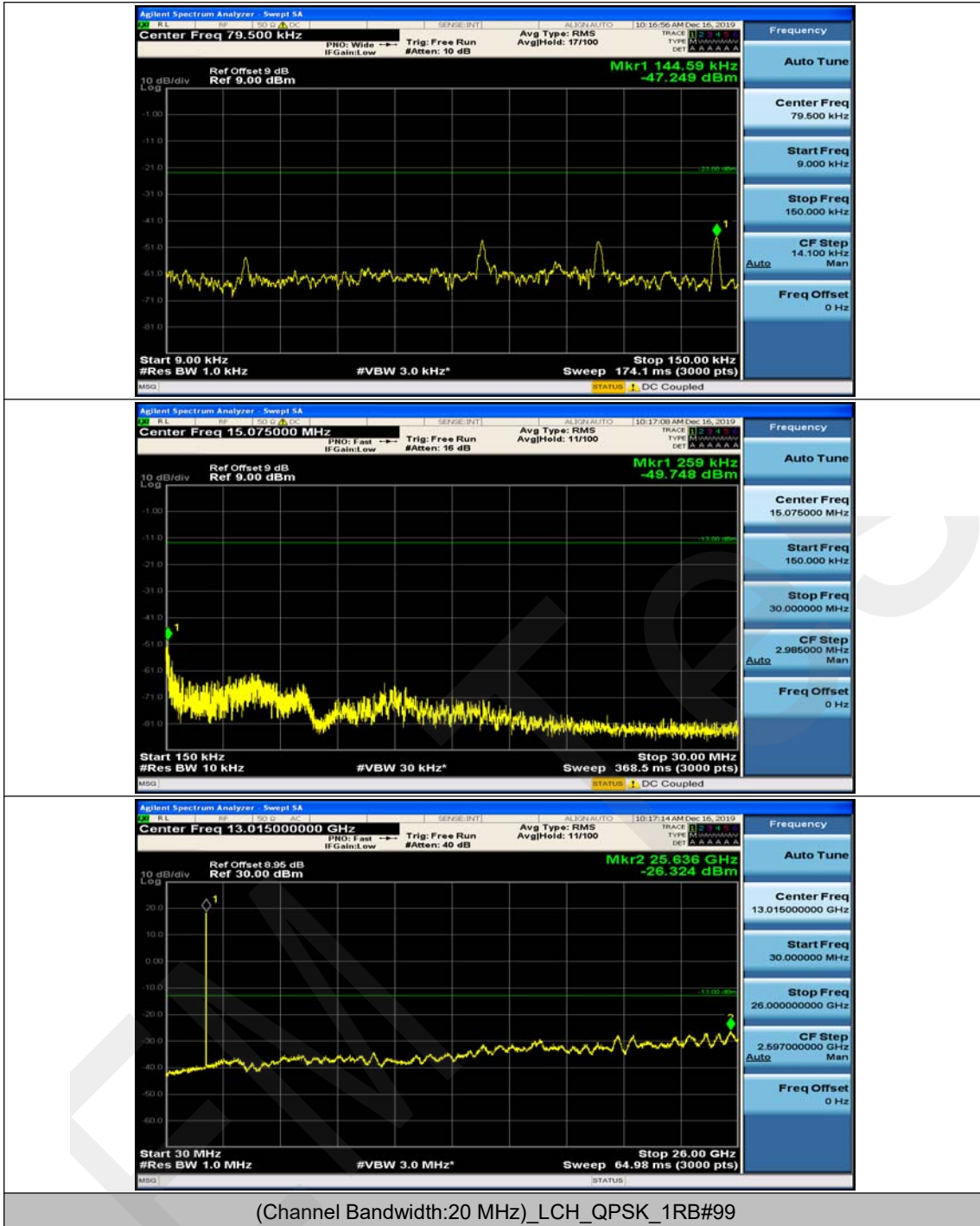


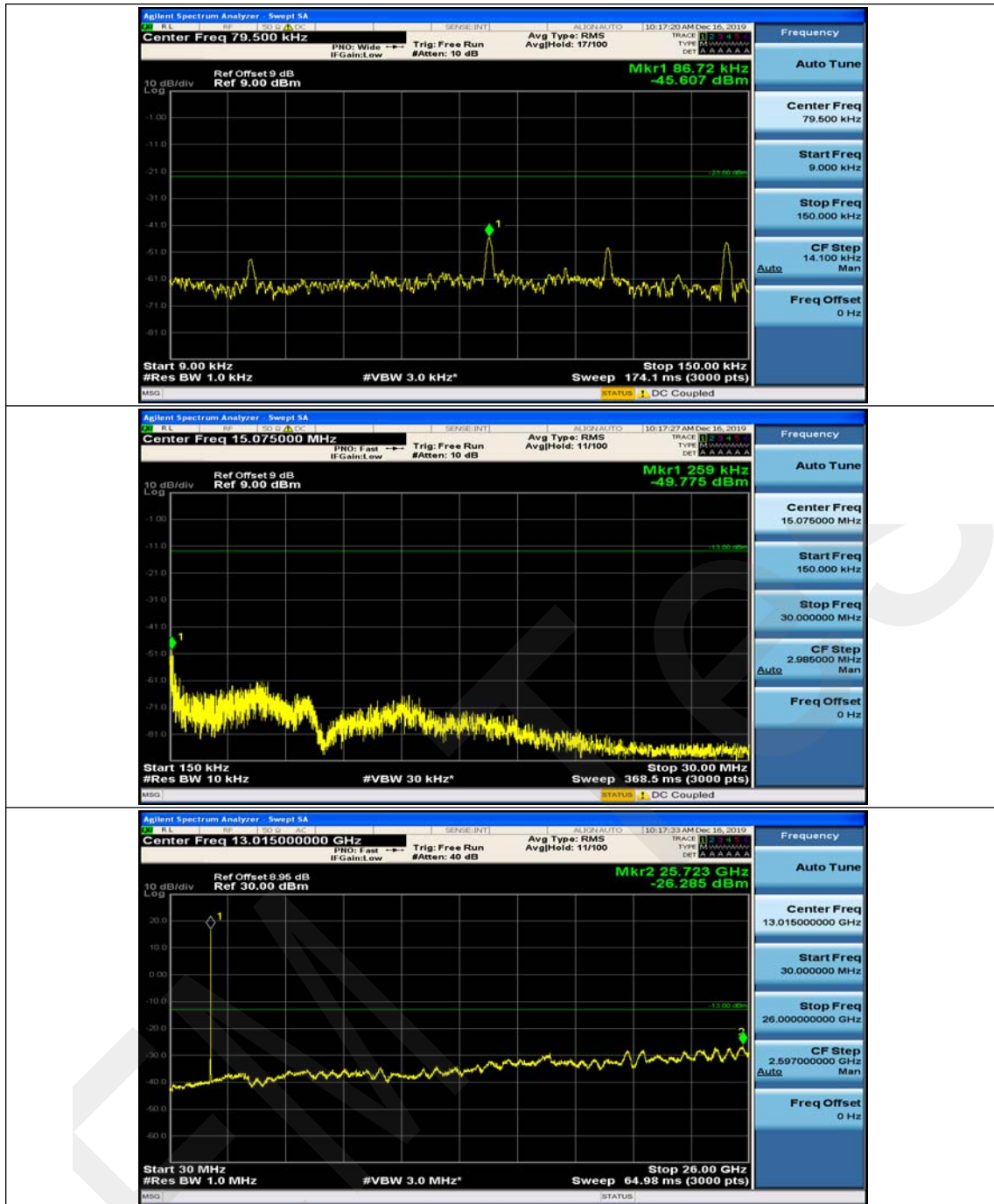




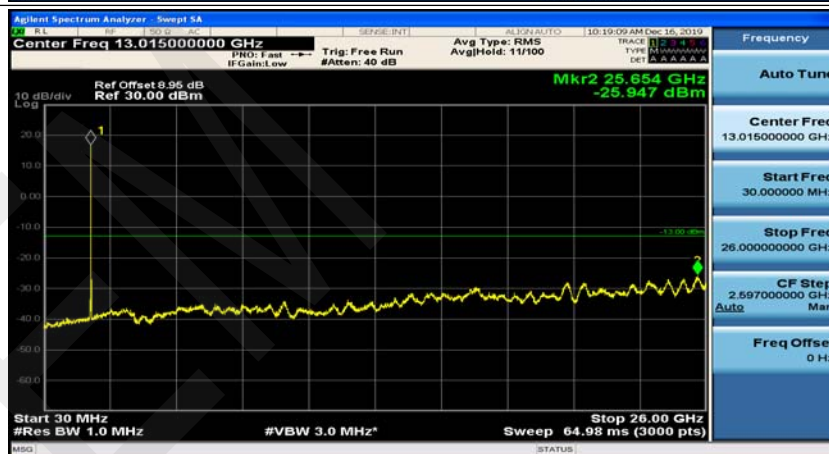
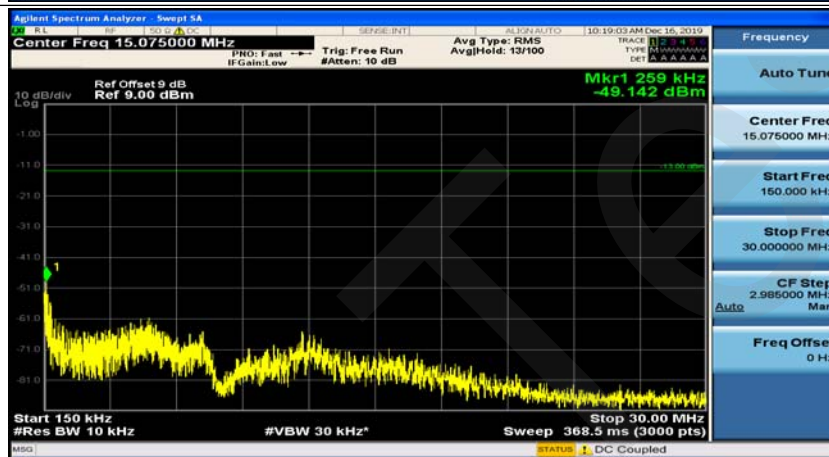
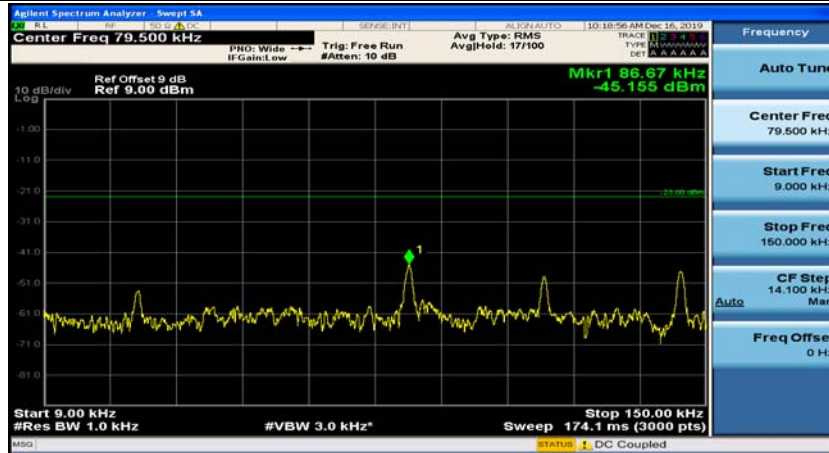
### Channel Bandwidth: 20 MHz



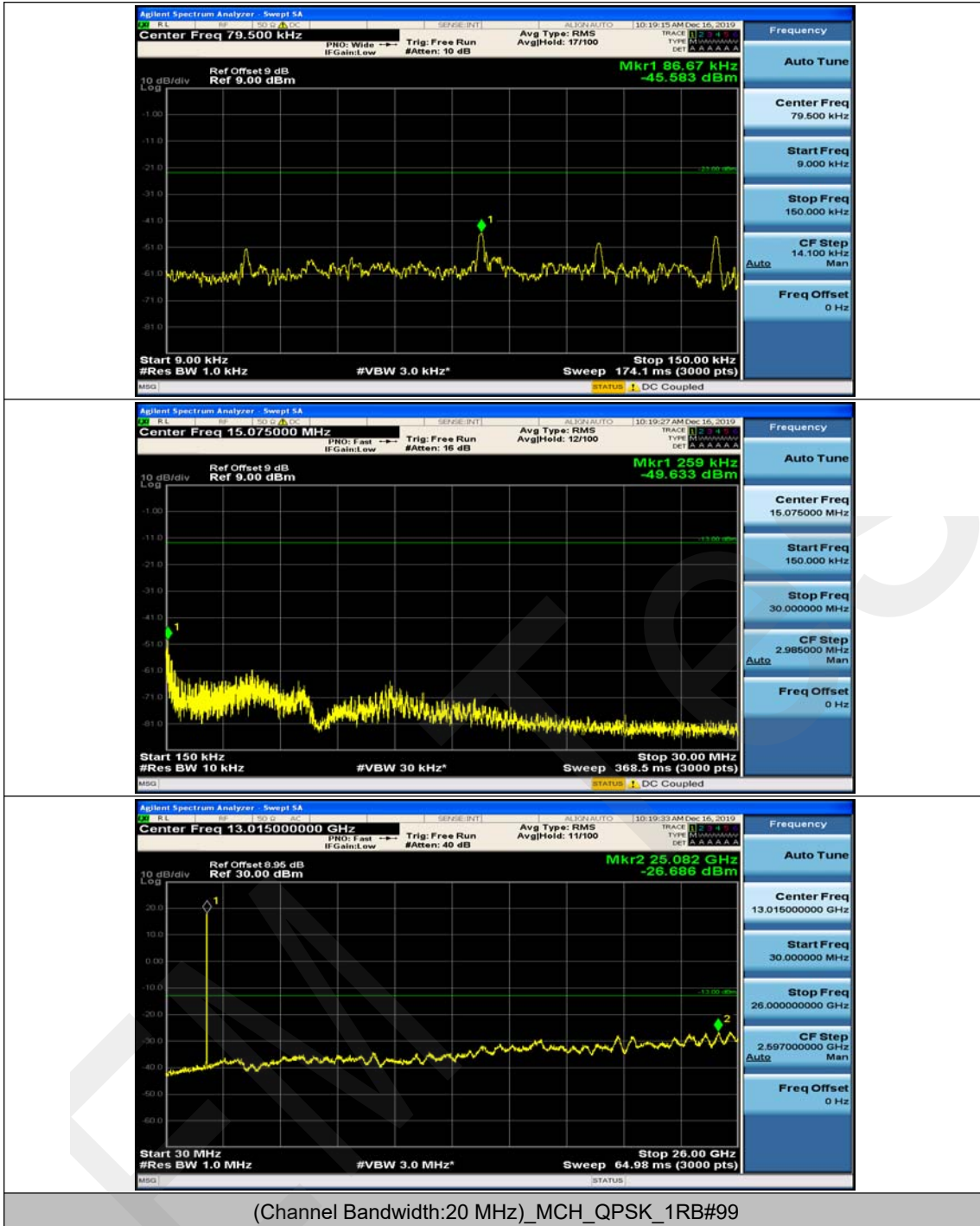


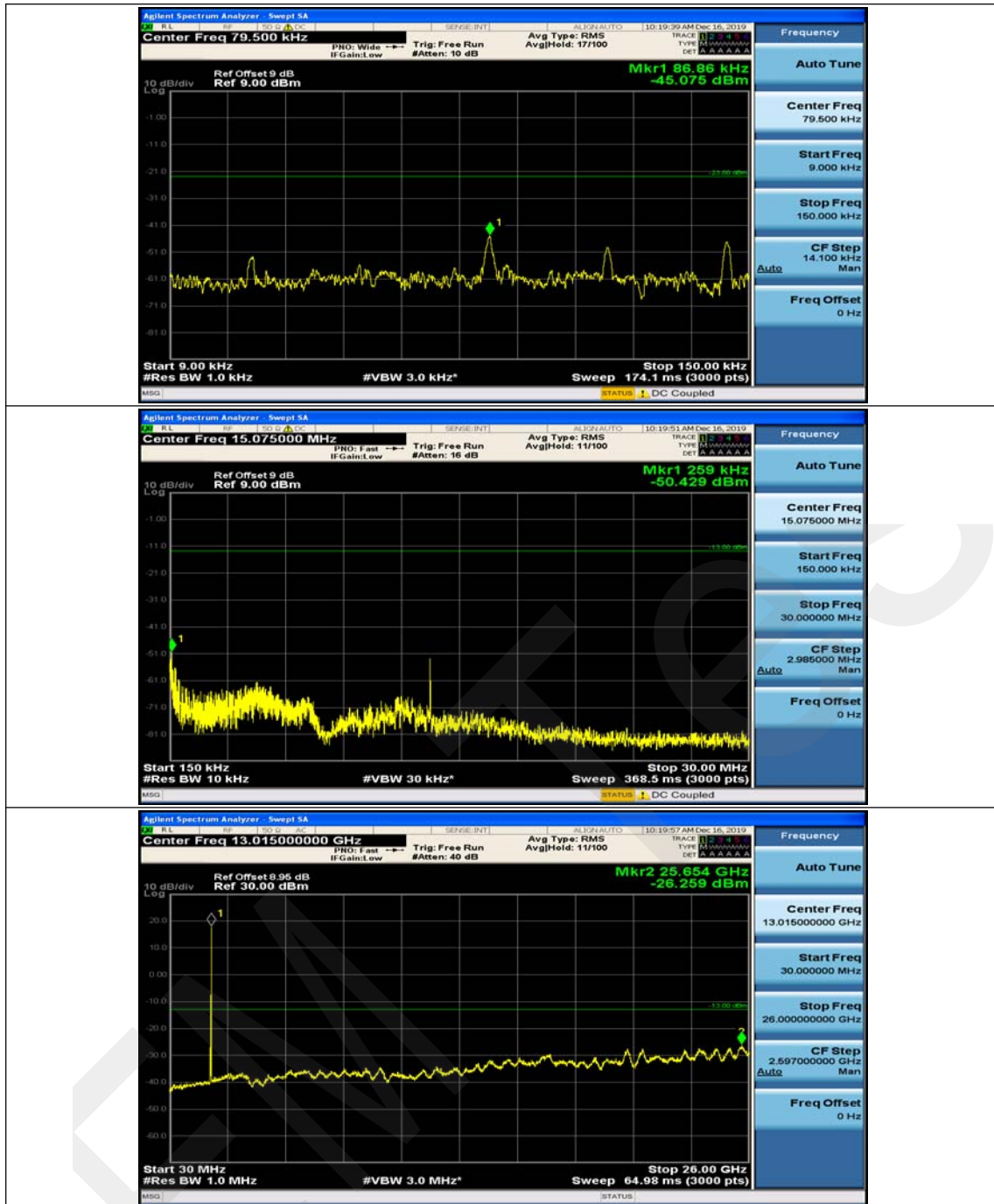


(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_1RB#0



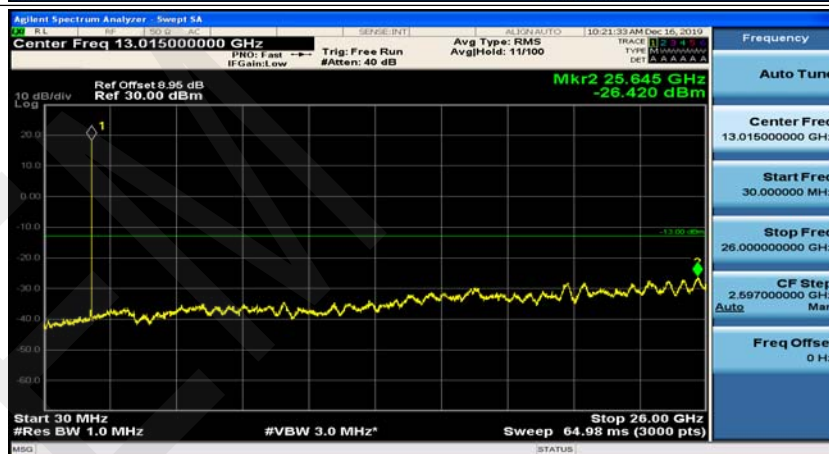
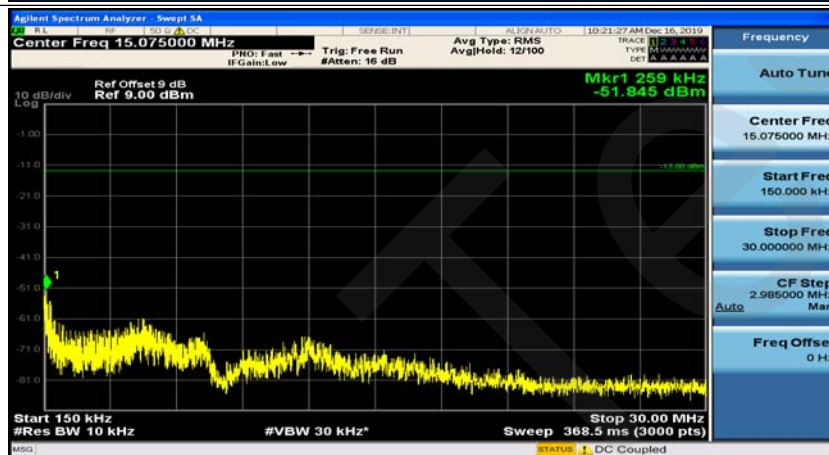
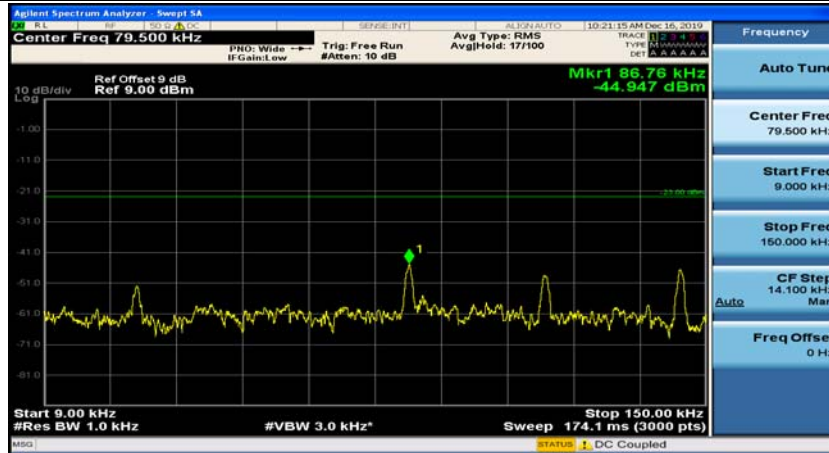
(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_1RB#49



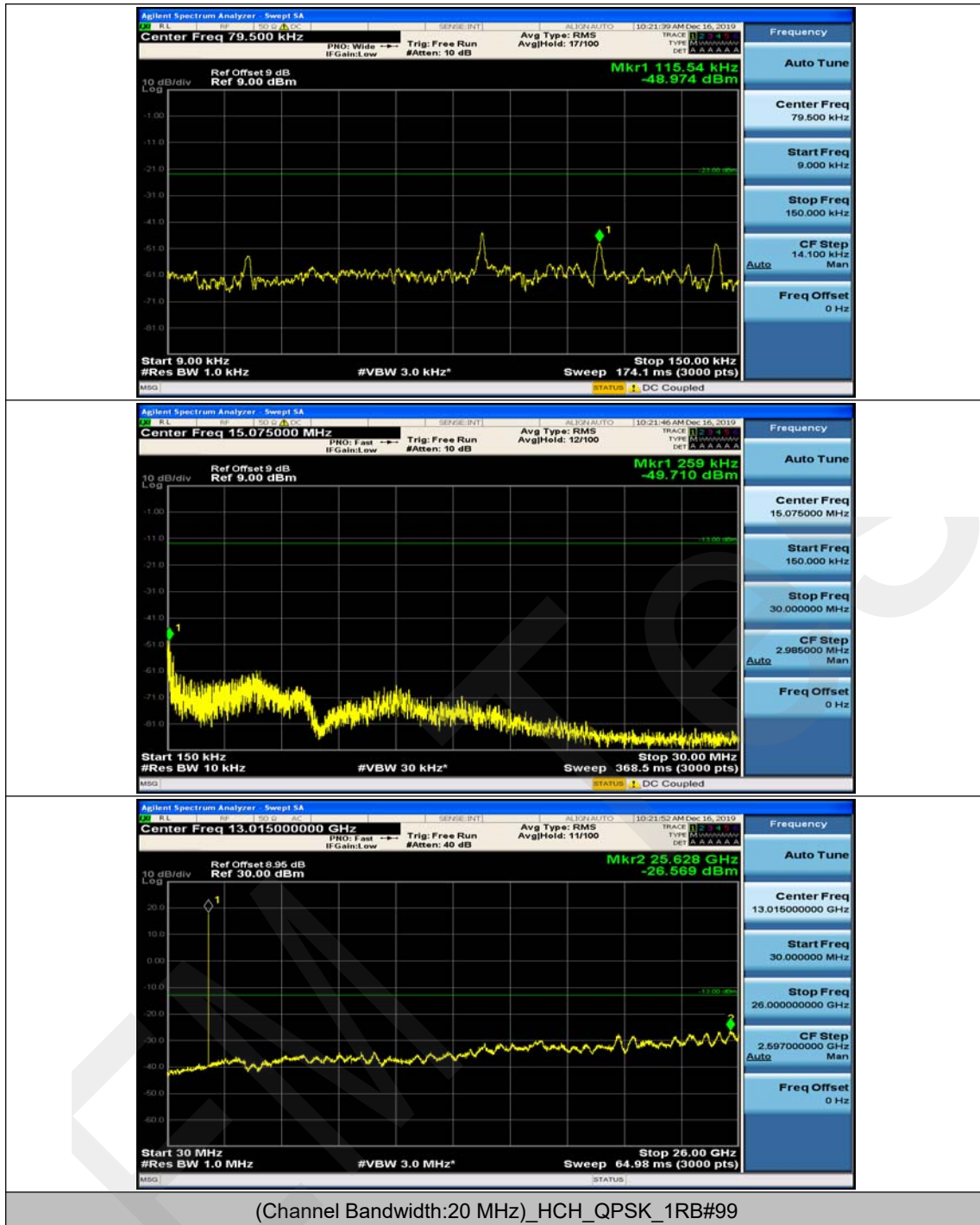


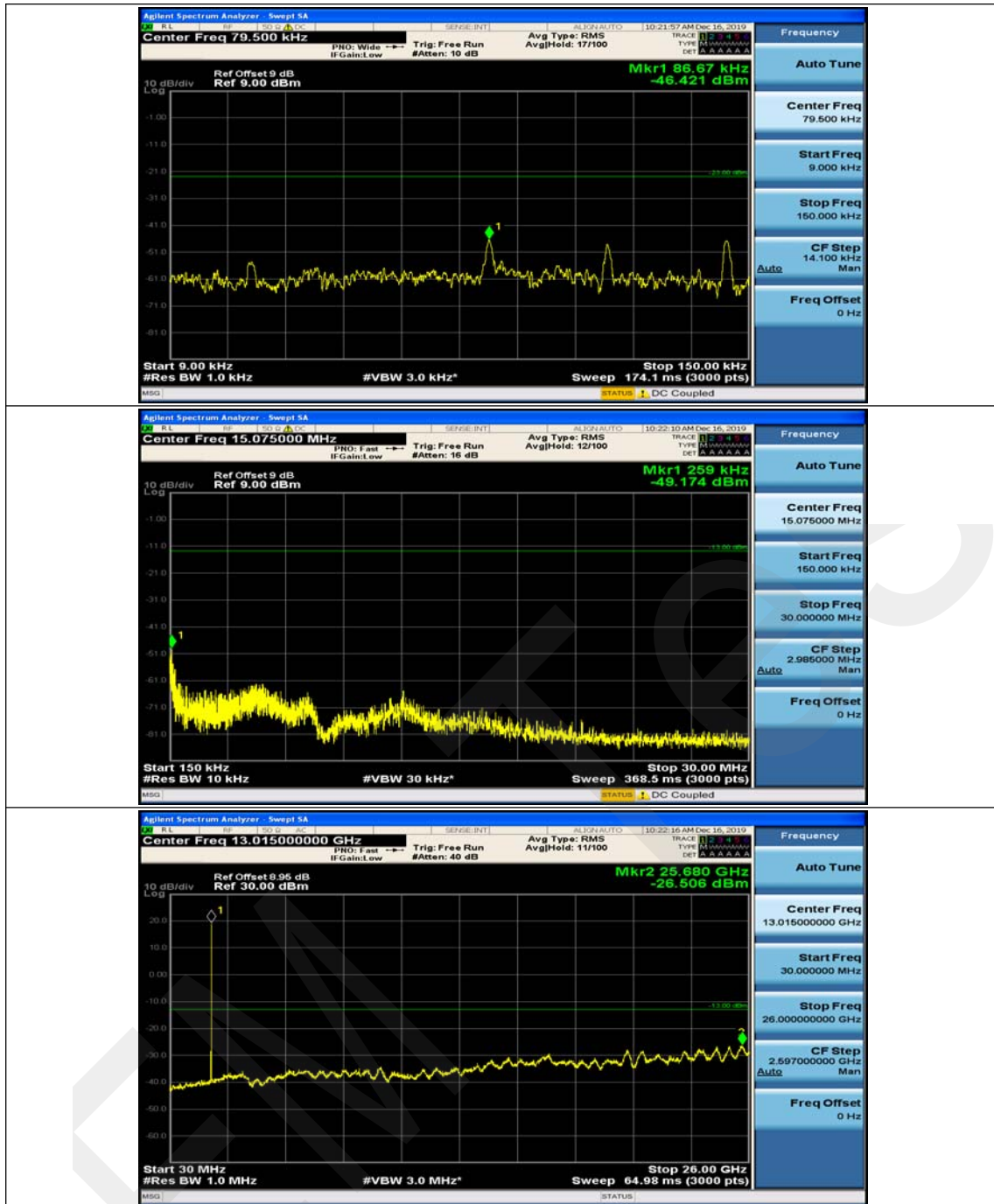


(Channel Bandwidth:20 MHz)\_HCH\_QPSK\_1RB#0

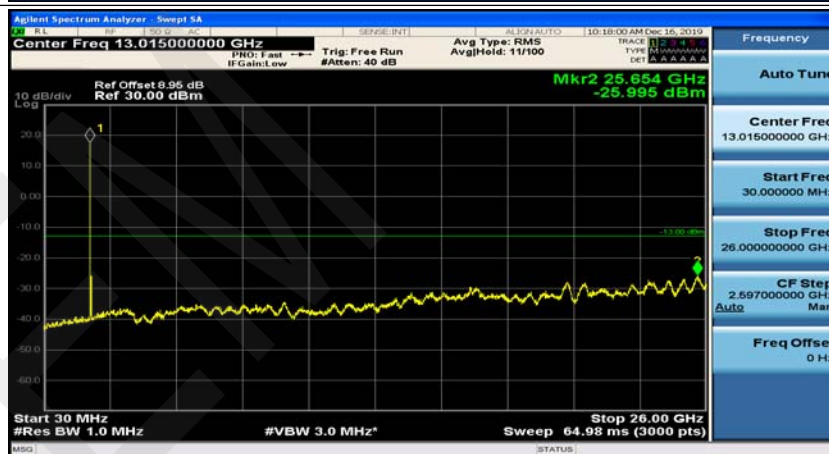
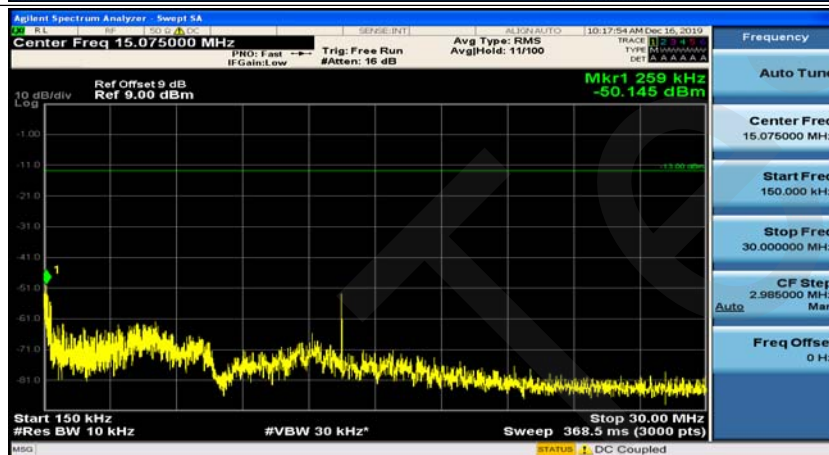
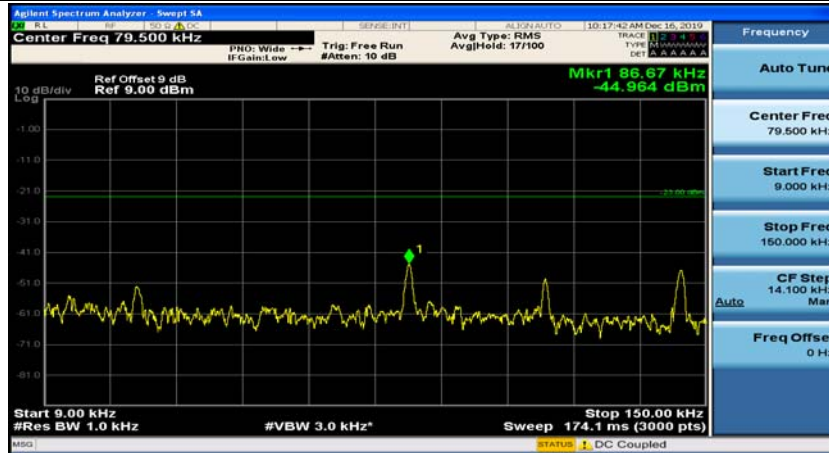


(Channel Bandwidth:20 MHz)\_HCH\_QPSK\_1RB#49

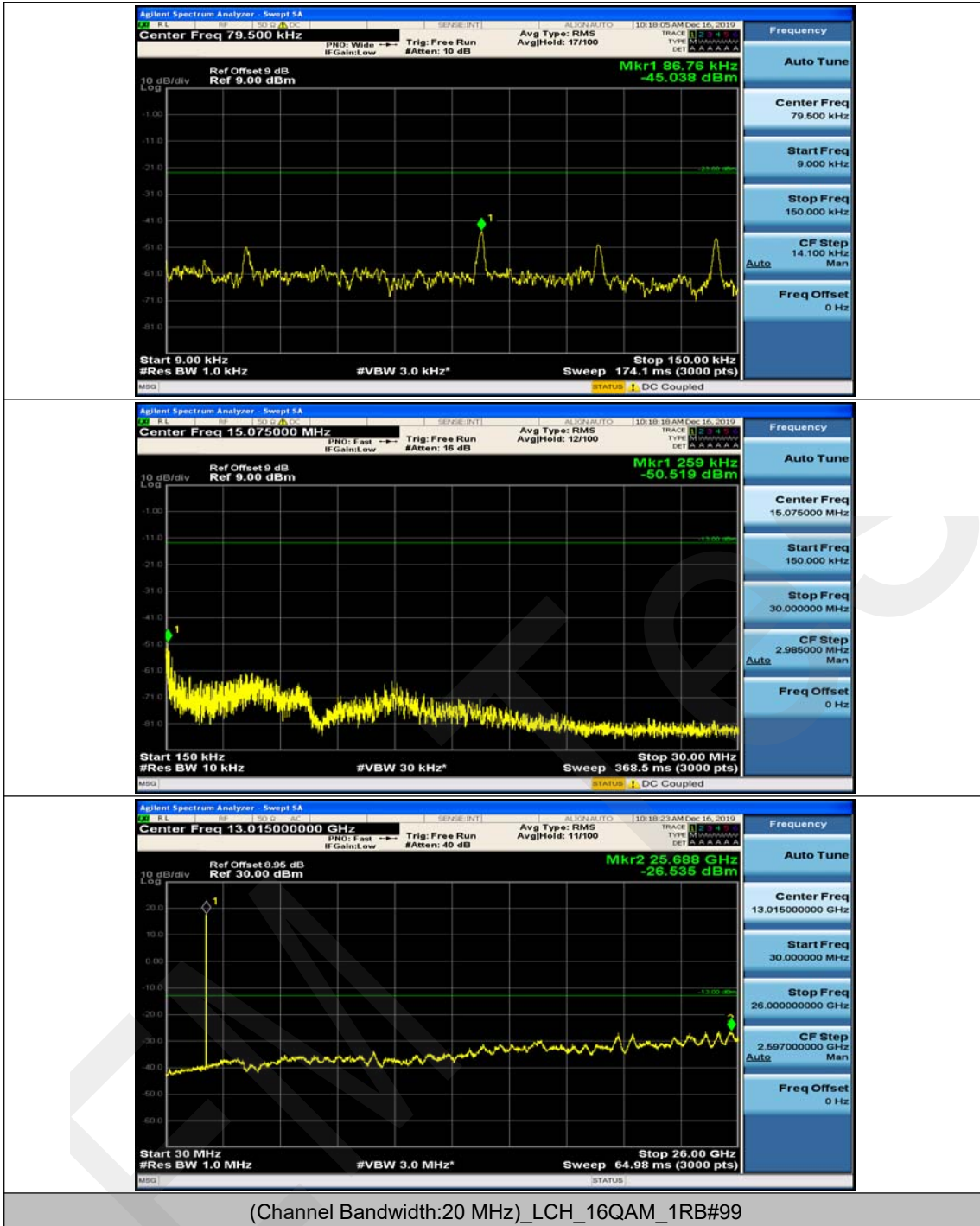


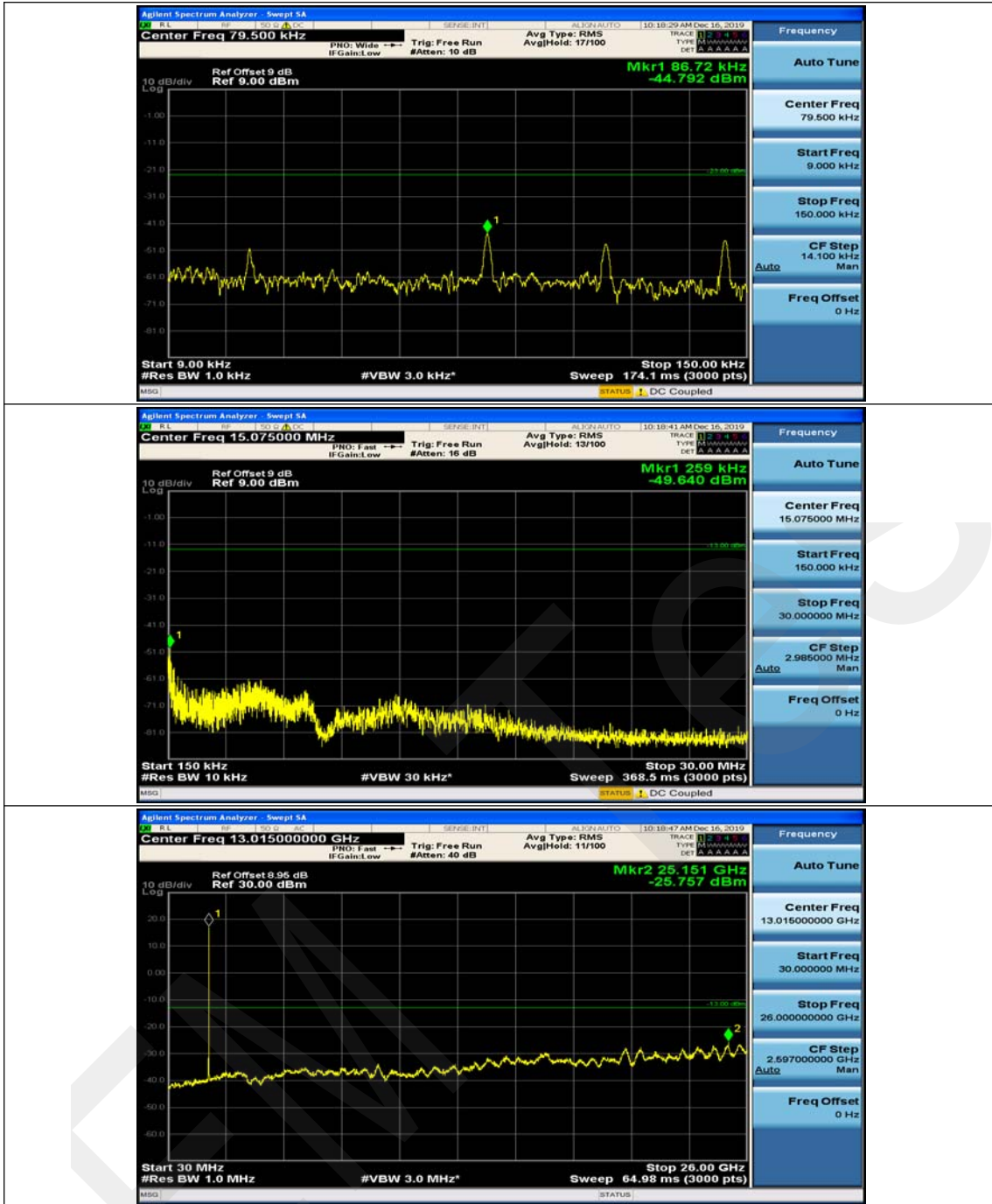


(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_1RB#0

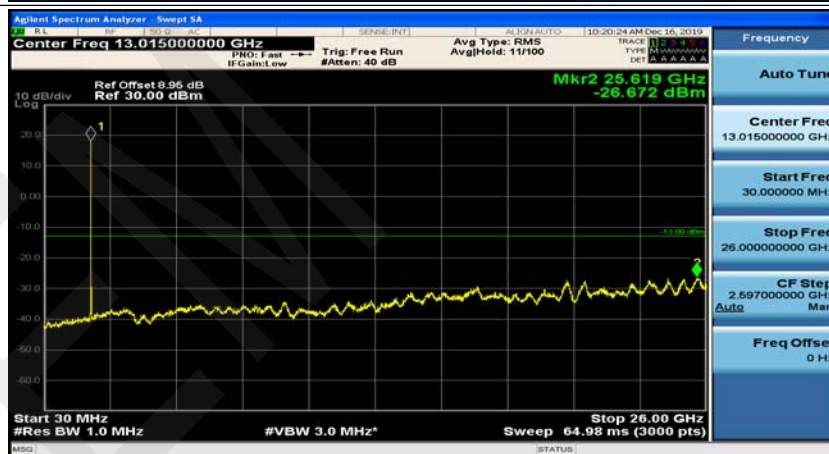
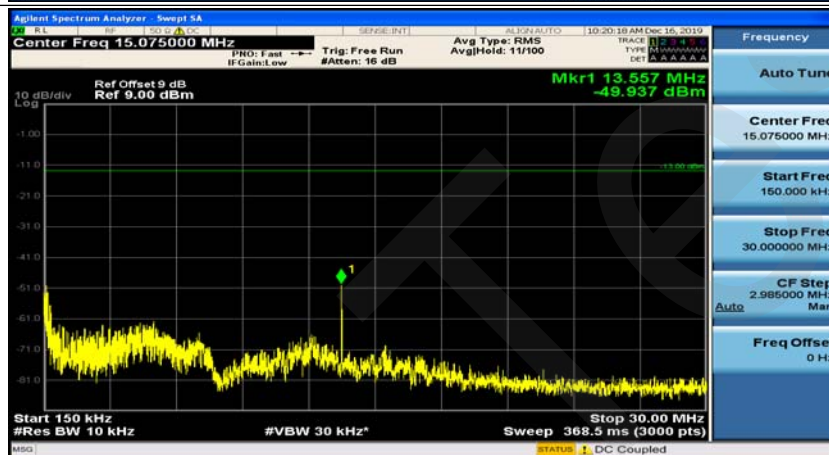
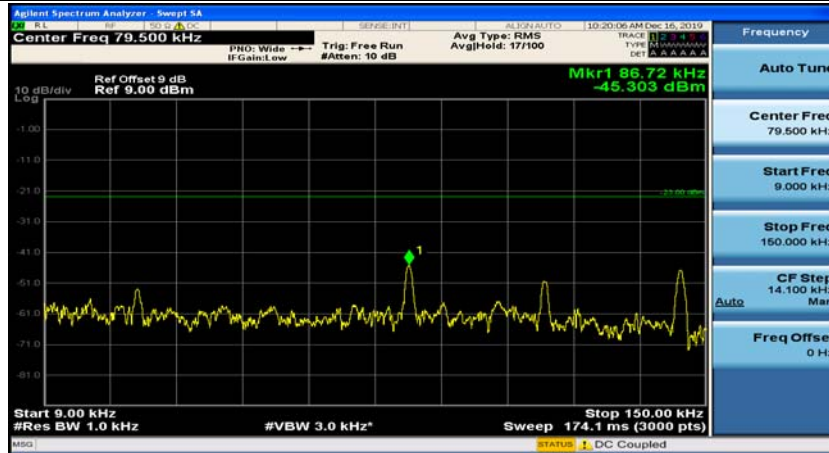


(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_1RB#49

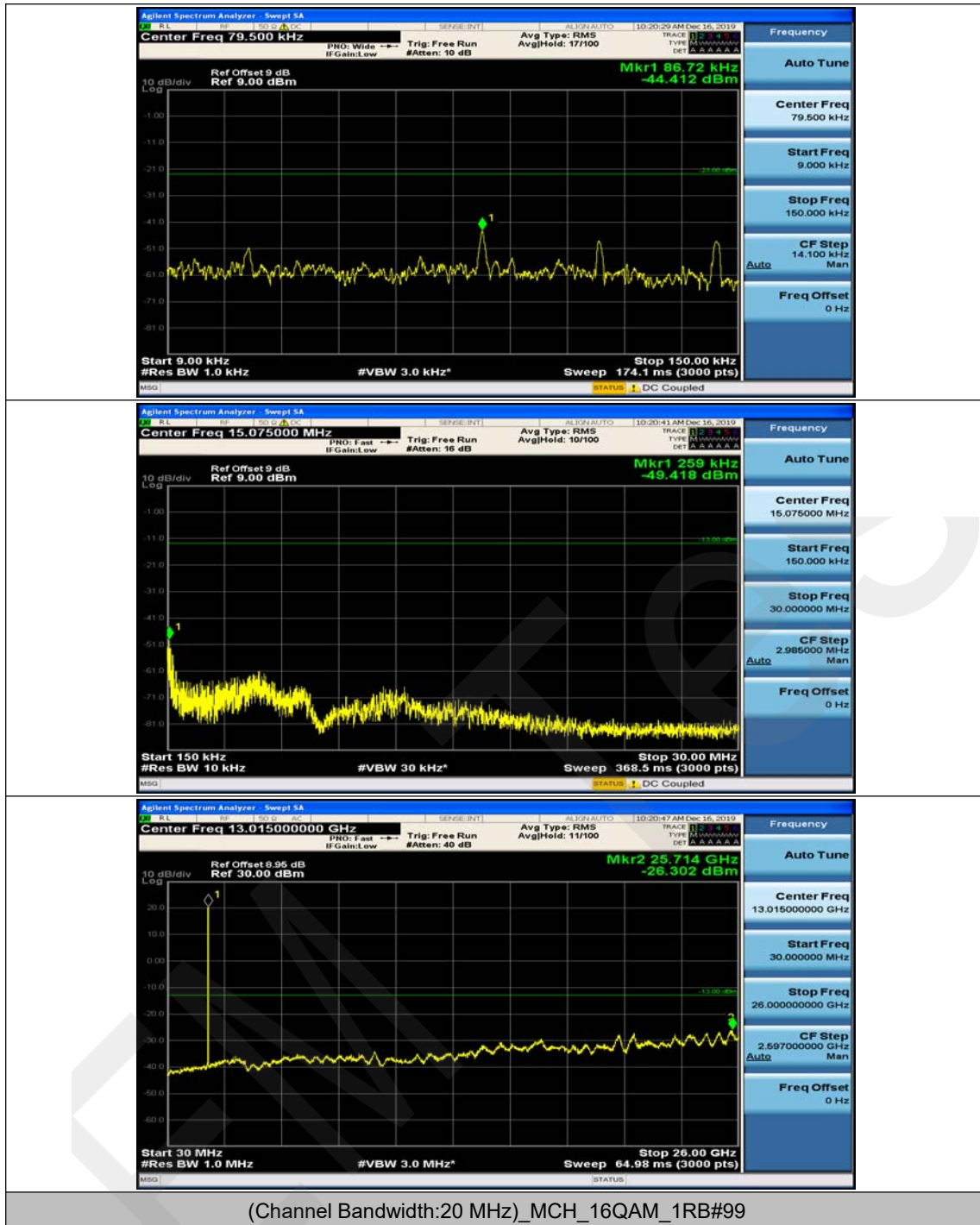




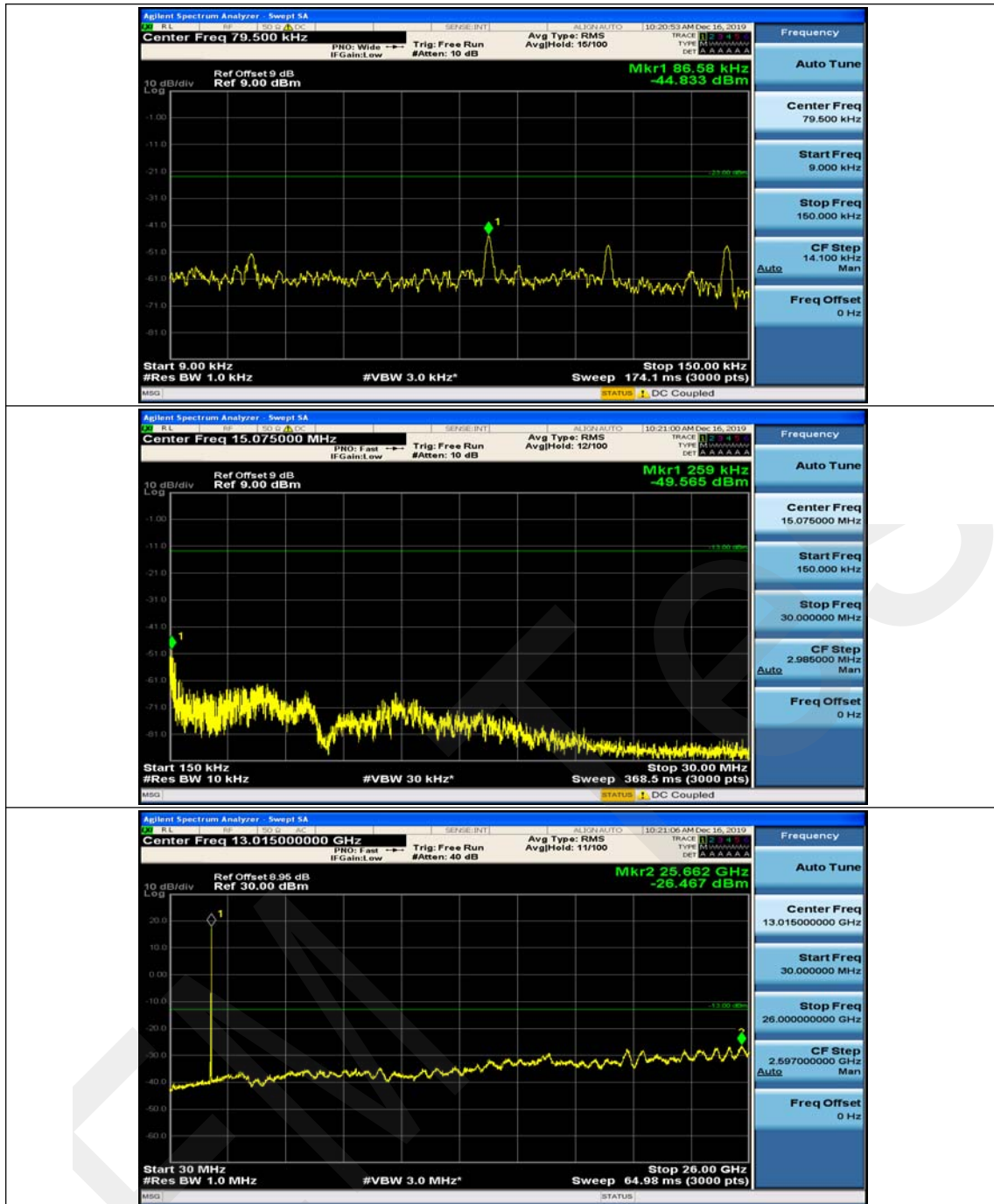
(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_1RB#0



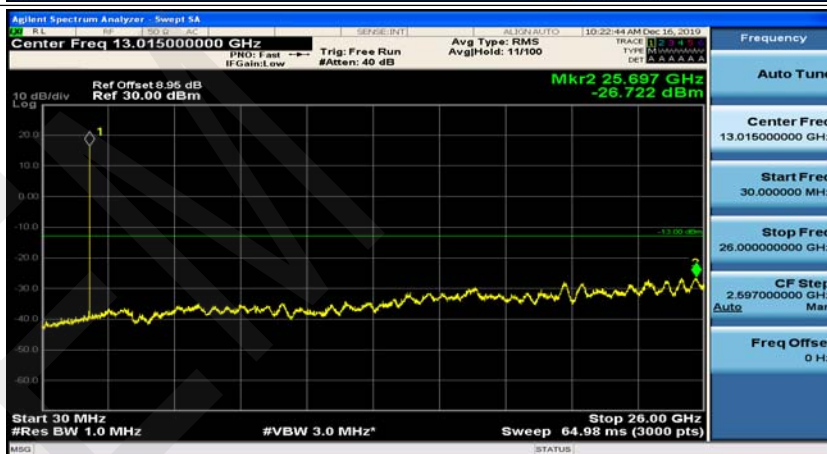
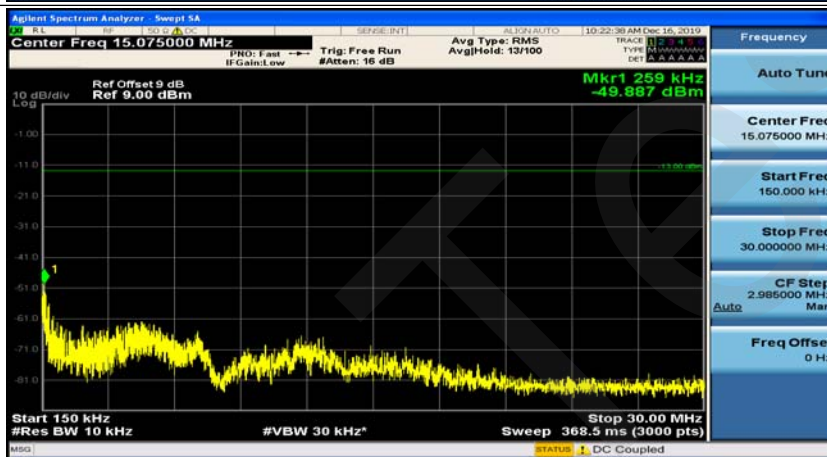
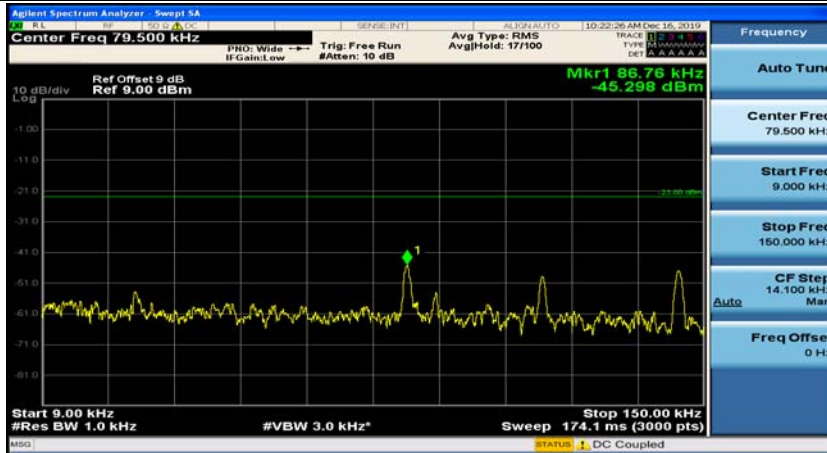
(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_1RB#49



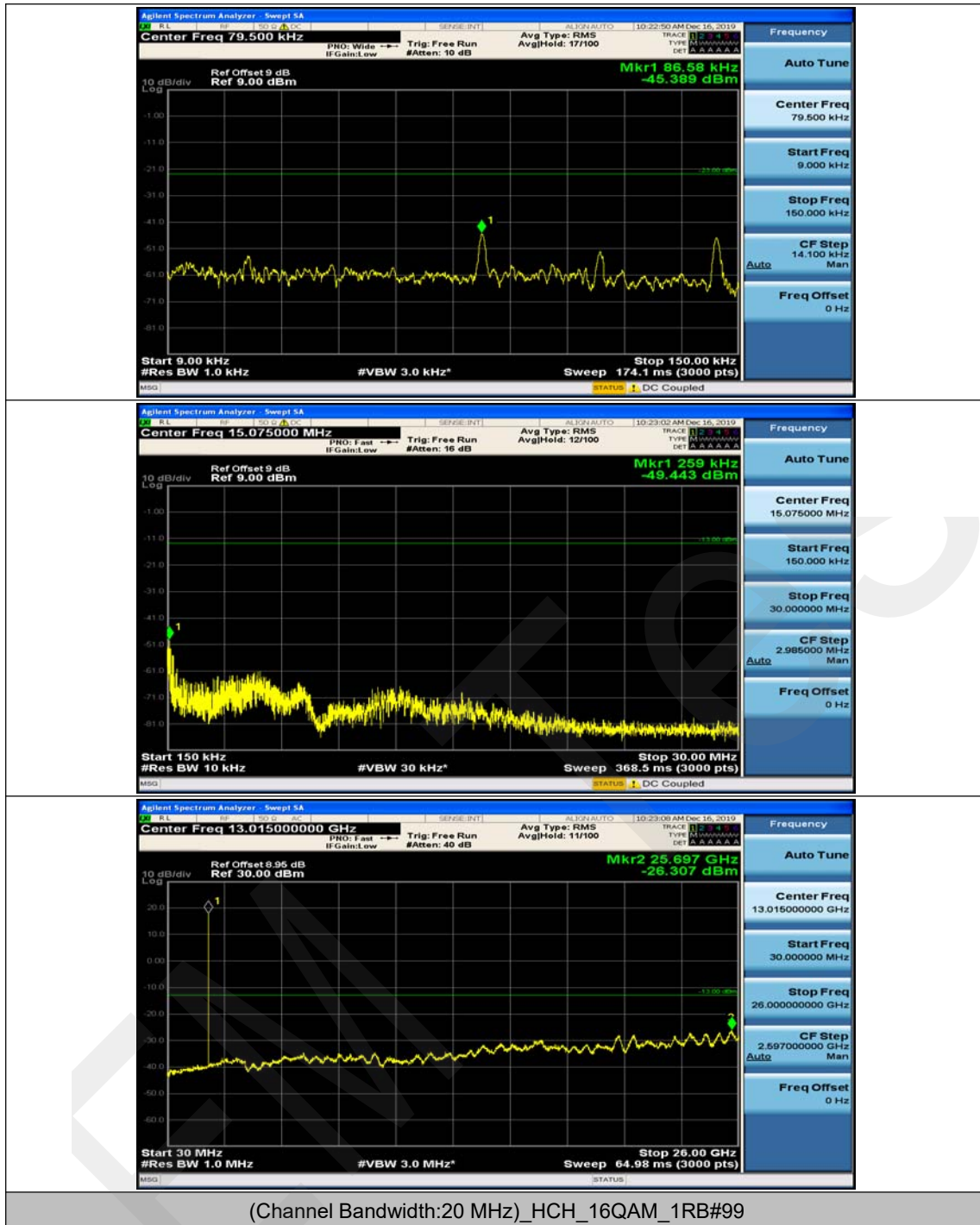


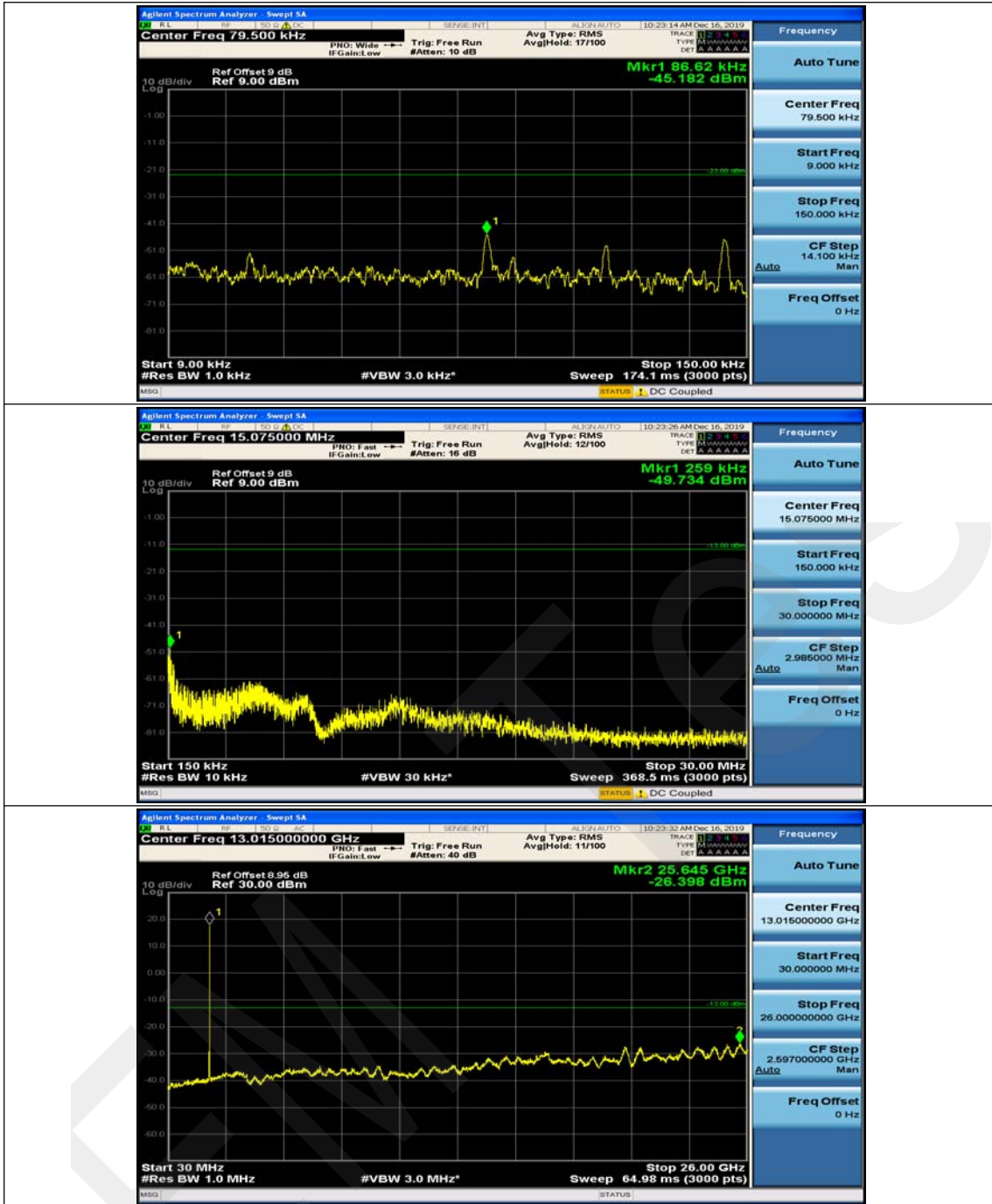


(Channel Bandwidth:20 MHz)\_HCH\_16QAM\_1RB#0



(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	4.36	0.002356	± 2.5	PASS
		VN	TN	-0.21	-0.000113	± 2.5	PASS
		VH	TN	-0.04	-0.000022	± 2.5	PASS
	MCH	VL	TN	2.6	0.001383	± 2.5	PASS
		VN	TN	-1.59	-0.000846	± 2.5	PASS
		VH	TN	1.12	0.000596	± 2.5	PASS
	HCH	VL	TN	0.29	0.000152	± 2.5	PASS
		VN	TN	2.41	0.001262	± 2.5	PASS
		VH	TN	2.64	0.001383	± 2.5	PASS
16QAM	LCH	VL	TN	3.39	0.001832	± 2.5	PASS
		VN	TN	-0.76	-0.000411	± 2.5	PASS
		VH	TN	1.47	0.000794	± 2.5	PASS
	MCH	VL	TN	2.27	0.001207	± 2.5	PASS
		VN	TN	1.59	0.000846	± 2.5	PASS
		VH	TN	-0.16	-0.000085	± 2.5	PASS
	HCH	VL	TN	-0.02	-0.000010	± 2.5	PASS
		VN	TN	3.3	0.001728	± 2.5	PASS
		VH	TN	-1.03	-0.000539	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.62	0.001956	± 2.5	PASS
		VN	-20	3.9	0.002107	± 2.5	PASS
		VN	-10	-0.3	-0.000162	± 2.5	PASS
		VN	0	2.32	0.001254	± 2.5	PASS
		VN	10	2.54	0.001372	± 2.5	PASS
		VN	20	0.39	0.000211	± 2.5	PASS
		VN	30	2.88	0.001556	± 2.5	PASS
		VN	40	-0.38	-0.000205	± 2.5	PASS
		VN	50	2.35	0.001270	± 2.5	PASS
	MCH	VN	-30	0.91	0.000484	± 2.5	PASS

	VN	-20	-1.04	-0.000553	± 2.5	PASS	
		VN	-10	3.71	0.001973	± 2.5	PASS
		VN	0	-1.19	-0.000633	± 2.5	PASS
		VN	10	3.74	0.001989	± 2.5	PASS
		VN	20	0.77	0.000410	± 2.5	PASS
		VN	30	2.42	0.001287	± 2.5	PASS
		VN	40	-1.67	-0.000888	± 2.5	PASS
		VN	50	-0.23	-0.000122	± 2.5	PASS
	HCH	VN	-30	0.29	0.000152	± 2.5	PASS
		VN	-20	-1.64	-0.000859	± 2.5	PASS
		VN	-10	0.8	0.000419	± 2.5	PASS
		VN	0	3.01	0.001576	± 2.5	PASS
		VN	10	0.42	0.000220	± 2.5	PASS
		VN	20	-0.92	-0.000482	± 2.5	PASS
		VN	30	0.14	0.000073	± 2.5	PASS
		VN	40	1.3	0.000681	± 2.5	PASS
		VN	50	2.86	0.001498	± 2.5	PASS
		16QAM	LCH	VN	-30	4.58	0.002475
VN	-20			0.67	0.000362	± 2.5	PASS
VN	-10			0.57	0.000308	± 2.5	PASS
VN	0			-1.25	-0.000675	± 2.5	PASS
VN	10			1.14	0.000616	± 2.5	PASS
VN	20			2.5	0.001351	± 2.5	PASS
VN	30			-0.22	-0.000119	± 2.5	PASS
VN	40			1.47	0.000794	± 2.5	PASS
VN	50			2.66	0.001437	± 2.5	PASS
MCH	VN		-30	1.54	0.000819	± 2.5	PASS
	VN		-20	1.99	0.001059	± 2.5	PASS
	VN		-10	4.52	0.002404	± 2.5	PASS
	VN		0	1.68	0.000894	± 2.5	PASS
	VN		10	0.08	0.000043	± 2.5	PASS
	VN		20	4.54	0.002415	± 2.5	PASS
	VN		30	3.51	0.001867	± 2.5	PASS
	VN		40	1.26	0.000670	± 2.5	PASS
	VN		50	2.27	0.001207	± 2.5	PASS
HCH	VN		-30	0.35	0.000183	± 2.5	PASS
	VN		-20	4.11	0.002153	± 2.5	PASS
	VN		-10	-0.16	-0.000084	± 2.5	PASS
	VN		0	-0.18	-0.000094	± 2.5	PASS
	VN		10	4.26	0.002231	± 2.5	PASS
	VN		20	1.03	0.000539	± 2.5	PASS

		VN	30	3.65	0.001912	± 2.5	PASS
		VN	40	-0.13	-0.000068	± 2.5	PASS
		VN	50	4.81	0.002519	± 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	-0.5	-0.000270	± 2.5	PASS
		VN	TN	0.64	0.000346	± 2.5	PASS
		VH	TN	2.5	0.001350	± 2.5	PASS
	MCH	VL	TN	-1.92	-0.001021	± 2.5	PASS
		VN	TN	2.16	0.001149	± 2.5	PASS
		VH	TN	-0.58	-0.000309	± 2.5	PASS
	HCH	VL	TN	-0.39	-0.000204	± 2.5	PASS
		VN	TN	2.31	0.001210	± 2.5	PASS
		VH	TN	-0.52	-0.000272	± 2.5	PASS
16QAM	LCH	VL	TN	1.94	0.001048	± 2.5	PASS
		VN	TN	1.86	0.001005	± 2.5	PASS
		VH	TN	-0.98	-0.000529	± 2.5	PASS
	MCH	VL	TN	0.22	0.000117	± 2.5	PASS
		VN	TN	2.2	0.001170	± 2.5	PASS
		VH	TN	2.19	0.001165	± 2.5	PASS
	HCH	VL	TN	-0.72	-0.000377	± 2.5	PASS
		VN	TN	2.12	0.001111	± 2.5	PASS
		VH	TN	-0.43	-0.000225	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.83	-0.000988	± 2.5	PASS
		VN	-20	3.25	0.001755	± 2.5	PASS
		VN	-10	2.91	0.001572	± 2.5	PASS
		VN	0	1.73	0.000934	± 2.5	PASS
		VN	10	2.96	0.001599	± 2.5	PASS
		VN	20	0.45	0.000243	± 2.5	PASS
		VN	30	-0.17	-0.000092	± 2.5	PASS
		VN	40	-1.16	-0.000627	± 2.5	PASS
		VN	50	2.93	0.001583	± 2.5	PASS
	MCH	VN	-30	3.84	0.002043	± 2.5	PASS
		VN	-20	0.31	0.000165	± 2.5	PASS

	VN	-10	4.59	0.002441	± 2.5	PASS			
		VN	0	4.63	0.002463	± 2.5	PASS		
		VN	10	-1.73	-0.000920	± 2.5	PASS		
		VN	20	0.11	0.000059	± 2.5	PASS		
		VN	30	2.21	0.001176	± 2.5	PASS		
		VN	40	4.32	0.002298	± 2.5	PASS		
		VN	50	3.58	0.001904	± 2.5	PASS		
	HCH	VN	-30	2.4	0.001258	± 2.5	PASS		
		VN	-20	2.04	0.001069	± 2.5	PASS		
		VN	-10	1.83	0.000959	± 2.5	PASS		
		VN	0	-1.09	-0.000571	± 2.5	PASS		
		VN	10	4.98	0.002609	± 2.5	PASS		
		VN	20	1.7	0.000891	± 2.5	PASS		
		VN	30	-1.6	-0.000838	± 2.5	PASS		
		VN	40	-1.78	-0.000933	± 2.5	PASS		
		VN	50	3.67	0.001923	± 2.5	PASS		
		16QAM	LCH	VN	-30	-0.64	-0.000346	± 2.5	PASS
				VN	-20	1.77	0.000956	± 2.5	PASS
VN	-10			1.11	0.000600	± 2.5	PASS		
VN	0			3.28	0.001772	± 2.5	PASS		
VN	10			2.6	0.001404	± 2.5	PASS		
VN	20			2.62	0.001415	± 2.5	PASS		
VN	30			4.99	0.002695	± 2.5	PASS		
VN	40			4.02	0.002171	± 2.5	PASS		
VN	50			3.31	0.001788	± 2.5	PASS		
MCH	VN		-30	-0.46	-0.000245	± 2.5	PASS		
	VN		-20	3.71	0.001973	± 2.5	PASS		
	VN		-10	2.26	0.001202	± 2.5	PASS		
	VN		0	-1.59	-0.000846	± 2.5	PASS		
	VN		10	0.49	0.000261	± 2.5	PASS		
	VN		20	-0.24	-0.000128	± 2.5	PASS		
	VN		30	1.61	0.000856	± 2.5	PASS		
	VN		40	2.05	0.001090	± 2.5	PASS		
	VN		50	3.71	0.001973	± 2.5	PASS		
HCH	VN	-30	3.39	0.001776	± 2.5	PASS			
	VN	-20	1.59	0.000833	± 2.5	PASS			
	VN	-10	3.36	0.001761	± 2.5	PASS			
	VN	0	1.02	0.000534	± 2.5	PASS			
	VN	10	4.27	0.002237	± 2.5	PASS			
	VN	20	2.81	0.001472	± 2.5	PASS			
	VN	30	-0.23	-0.000121	± 2.5	PASS			



	VN	40	0.77	0.000403	± 2.5	PASS
	VN	50	0.89	0.000466	± 2.5	PASS

### Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.95	-0.000513	± 2.5	PASS
		VN	TN	2.7	0.001457	± 2.5	PASS
		VH	TN	2.47	0.001333	± 2.5	PASS
	MCH	VL	TN	3.17	0.001686	± 2.5	PASS
		VN	TN	0.89	0.000473	± 2.5	PASS
		VH	TN	3.73	0.001984	± 2.5	PASS
	HCH	VL	TN	-1.09	-0.000571	± 2.5	PASS
		VN	TN	-0.79	-0.000414	± 2.5	PASS
		VH	TN	1.39	0.000729	± 2.5	PASS
16QAM	LCH	VL	TN	-0.61	-0.000329	± 2.5	PASS
		VN	TN	3.08	0.001663	± 2.5	PASS
		VH	TN	2.24	0.001209	± 2.5	PASS
	MCH	VL	TN	2.19	0.001165	± 2.5	PASS
		VN	TN	3.94	0.002096	± 2.5	PASS
		VH	TN	-1.21	-0.000644	± 2.5	PASS
	HCH	VL	TN	-0.38	-0.000199	± 2.5	PASS
		VN	TN	2.67	0.001400	± 2.5	PASS
		VH	TN	-1.5	-0.000786	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.8	0.000432	± 2.5	PASS
		VN	-20	-0.26	-0.000140	± 2.5	PASS
		VN	-10	1.65	0.000891	± 2.5	PASS
		VN	0	-0.83	-0.000448	± 2.5	PASS
		VN	10	-0.04	-0.000022	± 2.5	PASS
		VN	20	4.91	0.002650	± 2.5	PASS
		VN	30	-0.76	-0.000410	± 2.5	PASS
		VN	40	2.89	0.001560	± 2.5	PASS
		VN	50	-0.32	-0.000173	± 2.5	PASS
	MCH	VN	-30	4.02	0.002138	± 2.5	PASS
		VN	-20	-1.39	-0.000739	± 2.5	PASS
		VN	-10	2.88	0.001532	± 2.5	PASS

		VN	0	4.61	0.002452	± 2.5	PASS		
		VN	10	3.84	0.002043	± 2.5	PASS		
		VN	20	4.13	0.002197	± 2.5	PASS		
		VN	30	4.93	0.002622	± 2.5	PASS		
		VN	40	2.32	0.001234	± 2.5	PASS		
		VN	50	0.77	0.000410	± 2.5	PASS		
	HCH	VN	-30	1.65	0.000865	± 2.5	PASS		
		VN	-20	0.45	0.000236	± 2.5	PASS		
		VN	-10	0.88	0.000461	± 2.5	PASS		
		VN	0	4.91	0.002574	± 2.5	PASS		
		VN	10	3.82	0.002003	± 2.5	PASS		
		VN	20	2.7	0.001415	± 2.5	PASS		
		VN	30	3.53	0.001851	± 2.5	PASS		
		VN	40	1.04	0.000545	± 2.5	PASS		
		VN	50	-1.44	-0.000755	± 2.5	PASS		
		16QAM	LCH	VN	-30	4.25	0.002294	± 2.5	PASS
				VN	-20	3.69	0.001992	± 2.5	PASS
				VN	-10	2.66	0.001436	± 2.5	PASS
VN	0			1.39	0.000750	± 2.5	PASS		
VN	10			4.15	0.002240	± 2.5	PASS		
VN	20			0.95	0.000513	± 2.5	PASS		
VN	30			1.25	0.000675	± 2.5	PASS		
VN	40			2.78	0.001501	± 2.5	PASS		
VN	50			4.85	0.002618	± 2.5	PASS		
MCH	VN		-30	-1.79	-0.000952	± 2.5	PASS		
	VN		-20	-1.37	-0.000729	± 2.5	PASS		
	VN		-10	4.49	0.002388	± 2.5	PASS		
	VN		0	-1.84	-0.000979	± 2.5	PASS		
	VN		10	1.59	0.000846	± 2.5	PASS		
	VN		20	3.54	0.001883	± 2.5	PASS		
	VN		30	0.03	0.000016	± 2.5	PASS		
	VN		40	2.53	0.001346	± 2.5	PASS		
	VN		50	0.33	0.000176	± 2.5	PASS		
HCH	VN		-30	-1.55	-0.000813	± 2.5	PASS		
	VN		-20	3.75	0.001966	± 2.5	PASS		
	VN		-10	4.59	0.002406	± 2.5	PASS		
	VN		0	-1.63	-0.000855	± 2.5	PASS		
	VN		10	1.09	0.000571	± 2.5	PASS		
	VN		20	2.21	0.001159	± 2.5	PASS		
	VN		30	-1.74	-0.000912	± 2.5	PASS		
	VN		40	-1.07	-0.000561	± 2.5	PASS		

		VN	50	4.33	0.002270	± 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	-0.87	-0.000469	± 2.5	PASS
		VN	TN	-0.04	-0.000022	± 2.5	PASS
		VH	TN	-0.02	-0.000011	± 2.5	PASS
	MCH	VL	TN	-0.25	-0.000133	± 2.5	PASS
		VN	TN	2.51	0.001335	± 2.5	PASS
		VH	TN	-0.06	-0.000032	± 2.5	PASS
	HCH	VL	TN	2.5	0.001312	± 2.5	PASS
		VN	TN	-0.96	-0.000504	± 2.5	PASS
		VH	TN	-1.97	-0.001034	± 2.5	PASS
16QAM	LCH	VL	TN	4.64	0.002501	± 2.5	PASS
		VN	TN	1.09	0.000588	± 2.5	PASS
		VH	TN	4.49	0.002420	± 2.5	PASS
	MCH	VL	TN	-0.77	-0.000410	± 2.5	PASS
		VN	TN	0.75	0.000399	± 2.5	PASS
		VH	TN	2.36	0.001255	± 2.5	PASS
	HCH	VL	TN	4.86	0.002551	± 2.5	PASS
		VN	TN	0.61	0.000320	± 2.5	PASS
		VH	TN	4.14	0.002173	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.2	0.000108	± 2.5	PASS
		VN	-20	4.77	0.002571	± 2.5	PASS
		VN	-10	4.89	0.002636	± 2.5	PASS
		VN	0	3.4	0.001833	± 2.5	PASS
		VN	10	3.78	0.002038	± 2.5	PASS
		VN	20	-0.46	-0.000248	± 2.5	PASS
		VN	30	3.06	0.001650	± 2.5	PASS
		VN	40	-1.22	-0.000658	± 2.5	PASS
		VN	50	0.03	0.000016	± 2.5	PASS
	MCH	VN	-30	-1.18	-0.000628	± 2.5	PASS
		VN	-20	1.3	0.000691	± 2.5	PASS
		VN	-10	2.37	0.001261	± 2.5	PASS
		VN	0	3.16	0.001681	± 2.5	PASS

		VN	10	-1.53	-0.000814	± 2.5	PASS
		VN	20	-1.11	-0.000590	± 2.5	PASS
		VN	30	4.75	0.002527	± 2.5	PASS
		VN	40	-1.6	-0.000851	± 2.5	PASS
		VN	50	1.28	0.000681	± 2.5	PASS
	HCH	VN	-30	4.83	0.002535	± 2.5	PASS
		VN	-20	0.96	0.000504	± 2.5	PASS
		VN	-10	2.56	0.001344	± 2.5	PASS
		VN	0	2.72	0.001428	± 2.5	PASS
		VN	10	3.59	0.001885	± 2.5	PASS
		VN	20	3.94	0.002068	± 2.5	PASS
		VN	30	0.26	0.000136	± 2.5	PASS
		VN	40	4.49	0.002357	± 2.5	PASS
		VN	50	0.85	0.000446	± 2.5	PASS
		QPSK	LCH	VN	-30	-0.9	-0.000485
VN	-20			2.91	0.001569	± 2.5	PASS
VN	-10			-0.47	-0.000253	± 2.5	PASS
VN	0			2.63	0.001418	± 2.5	PASS
VN	10			-1.18	-0.000636	± 2.5	PASS
VN	20			1.2	0.000647	± 2.5	PASS
VN	30			4.54	0.002447	± 2.5	PASS
VN	40			1.78	0.000960	± 2.5	PASS
VN	50			-0.06	-0.000032	± 2.5	PASS
MCH	VN		-30	1.19	0.000633	± 2.5	PASS
	VN		-20	2.17	0.001154	± 2.5	PASS
	VN		-10	4.99	0.002654	± 2.5	PASS
	VN		0	4.15	0.002207	± 2.5	PASS
	VN		10	4.79	0.002548	± 2.5	PASS
	VN		20	4.6	0.002447	± 2.5	PASS
	VN		30	1.86	0.000989	± 2.5	PASS
	VN		40	-1.64	-0.000872	± 2.5	PASS
	VN		50	4.33	0.002303	± 2.5	PASS
HCH	VN		-30	0.46	0.000241	± 2.5	PASS
	VN		-20	1.06	0.000556	± 2.5	PASS
	VN		-10	2.71	0.001423	± 2.5	PASS
	VN		0	1.37	0.000719	± 2.5	PASS
	VN		10	-1.78	-0.000934	± 2.5	PASS
	VN		20	3.54	0.001858	± 2.5	PASS
	VN		30	-0.37	-0.000194	± 2.5	PASS
	VN		40	3.52	0.001848	± 2.5	PASS
	VN		50	0.92	0.000483	± 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	-0.91	-0.000490	± 2.5	PASS
		VN	TN	-0.84	-0.000452	± 2.5	PASS
		VH	TN	1.18	0.000635	± 2.5	PASS
	MCH	VL	TN	2.36	0.001255	± 2.5	PASS
		VN	TN	3.62	0.001926	± 2.5	PASS
		VH	TN	0.3	0.000160	± 2.5	PASS
	HCH	VL	TN	-1.89	-0.000993	± 2.5	PASS
		VN	TN	-0.09	-0.000047	± 2.5	PASS
		VH	TN	4.19	0.002202	± 2.5	PASS
16QAM	LCH	VL	TN	-0.64	-0.000345	± 2.5	PASS
		VN	TN	4.39	0.002363	± 2.5	PASS
		VH	TN	-1.49	-0.000802	± 2.5	PASS
	MCH	VL	TN	2.71	0.001441	± 2.5	PASS
		VN	TN	2.68	0.001426	± 2.5	PASS
		VH	TN	2.08	0.001106	± 2.5	PASS
	HCH	VL	TN	1.94	0.001020	± 2.5	PASS
		VN	TN	3.48	0.001829	± 2.5	PASS
		VH	TN	0.73	0.000384	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.07	0.001653	± 2.5	PASS
		VN	-20	1.53	0.000824	± 2.5	PASS
		VN	-10	0.41	0.000221	± 2.5	PASS
		VN	0	-0.89	-0.000479	± 2.5	PASS
		VN	10	1.82	0.000980	± 2.5	PASS
		VN	20	0.01	0.000005	± 2.5	PASS
		VN	30	2.6	0.001400	± 2.5	PASS
		VN	40	4.1	0.002207	± 2.5	PASS
	MCH	VN	50	1.44	0.000775	± 2.5	PASS
		VN	-30	-0.62	-0.000330	± 2.5	PASS
		VN	-20	1.19	0.000633	± 2.5	PASS
		VN	-10	0.36	0.000191	± 2.5	PASS
		VN	0	1.31	0.000697	± 2.5	PASS
		VN	10	1.54	0.000819	± 2.5	PASS
VN	20	2.28	0.001213	± 2.5	PASS		

		VN	30	-1.15	-0.000612	± 2.5	PASS
		VN	40	4.77	0.002537	± 2.5	PASS
		VN	50	-0.75	-0.000399	± 2.5	PASS
	HCH	VN	-30	-1.22	-0.000641	± 2.5	PASS
		VN	-20	-1.85	-0.000972	± 2.5	PASS
		VN	-10	2.86	0.001503	± 2.5	PASS
		VN	0	1.69	0.000888	± 2.5	PASS
		VN	10	2.95	0.001551	± 2.5	PASS
		VN	20	2.02	0.001062	± 2.5	PASS
		VN	30	1.01	0.000531	± 2.5	PASS
		VN	40	0.86	0.000452	± 2.5	PASS
		VN	50	2.08	0.001093	± 2.5	PASS
		16QAM	LCH	VN	-30	-0.6	-0.000323
VN	-20			3.06	0.001647	± 2.5	PASS
VN	-10			0.67	0.000361	± 2.5	PASS
VN	0			1.95	0.001050	± 2.5	PASS
VN	10			3.93	0.002116	± 2.5	PASS
VN	20			4.39	0.002363	± 2.5	PASS
VN	30			4.85	0.002611	± 2.5	PASS
VN	40			-0.77	-0.000415	± 2.5	PASS
VN	50			4.22	0.002272	± 2.5	PASS
MCH	VN		-30	2.98	0.001585	± 2.5	PASS
	VN		-20	4.07	0.002165	± 2.5	PASS
	VN		-10	3.15	0.001676	± 2.5	PASS
	VN		0	-1.31	-0.000697	± 2.5	PASS
	VN		10	1.03	0.000548	± 2.5	PASS
	VN		20	4.34	0.002309	± 2.5	PASS
	VN		30	3.42	0.001819	± 2.5	PASS
	VN		40	1.22	0.000649	± 2.5	PASS
	VN		50	-0.64	-0.000340	± 2.5	PASS
HCH	VN		-30	2.27	0.001193	± 2.5	PASS
	VN		-20	4.09	0.002150	± 2.5	PASS
	VN		-10	1.51	0.000794	± 2.5	PASS
	VN		0	1.32	0.000694	± 2.5	PASS
	VN		10	1.21	0.000636	± 2.5	PASS
	VN		20	-1.5	-0.000788	± 2.5	PASS
	VN		30	4.91	0.002581	± 2.5	PASS
	VN		40	1.18	0.000620	± 2.5	PASS
	VN		50	2.35	0.001235	± 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	0.41	0.000220	± 2.5	PASS
		VN	TN	0.34	0.000183	± 2.5	PASS
		VH	TN	1.27	0.000683	± 2.5	PASS
	MCH	VL	TN	-1.62	-0.000862	± 2.5	PASS
		VN	TN	0.59	0.000314	± 2.5	PASS
		VH	TN	-0.4	-0.000213	± 2.5	PASS
	HCH	VL	TN	-0.36	-0.000189	± 2.5	PASS
		VN	TN	-0.72	-0.000379	± 2.5	PASS
		VH	TN	0.78	0.000411	± 2.5	PASS
16QAM	LCH	VL	TN	4.75	0.002554	± 2.5	PASS
		VN	TN	4.7	0.002527	± 2.5	PASS
		VH	TN	1.02	0.000548	± 2.5	PASS
	MCH	VL	TN	0.75	0.000399	± 2.5	PASS
		VN	TN	4.19	0.002229	± 2.5	PASS
		VH	TN	3.8	0.002021	± 2.5	PASS
	HCH	VL	TN	-0.09	-0.000047	± 2.5	PASS
		VN	TN	3.21	0.001689	± 2.5	PASS
		VH	TN	2.84	0.001495	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-2	-0.001075	± 2.5	PASS
		VN	-20	1.77	0.000952	± 2.5	PASS
		VN	-10	-0.05	-0.000027	± 2.5	PASS
		VN	0	-0.54	-0.000290	± 2.5	PASS
		VN	10	4.75	0.002554	± 2.5	PASS
		VN	20	-1.2	-0.000645	± 2.5	PASS
		VN	30	0.57	0.000306	± 2.5	PASS
		VN	40	3.48	0.001871	± 2.5	PASS
		VN	50	2.34	0.001258	± 2.5	PASS
	MCH	VN	-30	3.09	0.001644	± 2.5	PASS
		VN	-20	-1.72	-0.000915	± 2.5	PASS
		VN	-10	3.28	0.001745	± 2.5	PASS
		VN	0	-0.09	-0.000048	± 2.5	PASS
		VN	10	4.32	0.002298	± 2.5	PASS
		VN	20	1.71	0.000910	± 2.5	PASS

		VN	30	-0.84	-0.000447	± 2.5	PASS
		VN	40	1.6	0.000851	± 2.5	PASS
		VN	50	4.1	0.002181	± 2.5	PASS
	HCH	VN	-30	-0.11	-0.000058	± 2.5	PASS
		VN	-20	3.57	0.001879	± 2.5	PASS
		VN	-10	0.75	0.000395	± 2.5	PASS
		VN	0	1.13	0.000595	± 2.5	PASS
		VN	10	-0.31	-0.000163	± 2.5	PASS
		VN	20	3.94	0.002074	± 2.5	PASS
		VN	30	-1.69	-0.000889	± 2.5	PASS
		VN	40	-0.47	-0.000247	± 2.5	PASS
		VN	50	1.26	0.000663	± 2.5	PASS
		16QAM	LCH	VN	-30	3.41	0.001833
VN	-20			-0.86	-0.000462	± 2.5	PASS
VN	-10			3.75	0.002016	± 2.5	PASS
VN	0			2.93	0.001575	± 2.5	PASS
VN	10			4.7	0.002527	± 2.5	PASS
VN	20			4.44	0.002387	± 2.5	PASS
VN	30			0.8	0.000430	± 2.5	PASS
VN	40			-0.88	-0.000473	± 2.5	PASS
VN	50			1.64	0.000882	± 2.5	PASS
MCH	VN		-30	1.38	0.000734	± 2.5	PASS
	VN		-20	0.79	0.000420	± 2.5	PASS
	VN		-10	4.17	0.002218	± 2.5	PASS
	VN		0	-0.84	-0.000447	± 2.5	PASS
	VN		10	-1.36	-0.000723	± 2.5	PASS
	VN		20	1.63	0.000867	± 2.5	PASS
	VN		30	4.48	0.002383	± 2.5	PASS
	VN		40	0.87	0.000463	± 2.5	PASS
	VN		50	4.1	0.002181	± 2.5	PASS
HCH	VN		-30	2.64	0.001389	± 2.5	PASS
	VN		-20	4.83	0.002542	± 2.5	PASS
	VN		-10	1.69	0.000889	± 2.5	PASS
	VN		0	4.75	0.002500	± 2.5	PASS
	VN		10	2.12	0.001116	± 2.5	PASS
	VN		20	-0.9	-0.000474	± 2.5	PASS
	VN		30	1.8	0.000947	± 2.5	PASS
	VN		40	-0.45	-0.000237	± 2.5	PASS
	VN		50	-0.85	-0.000447	± 2.5	PASS