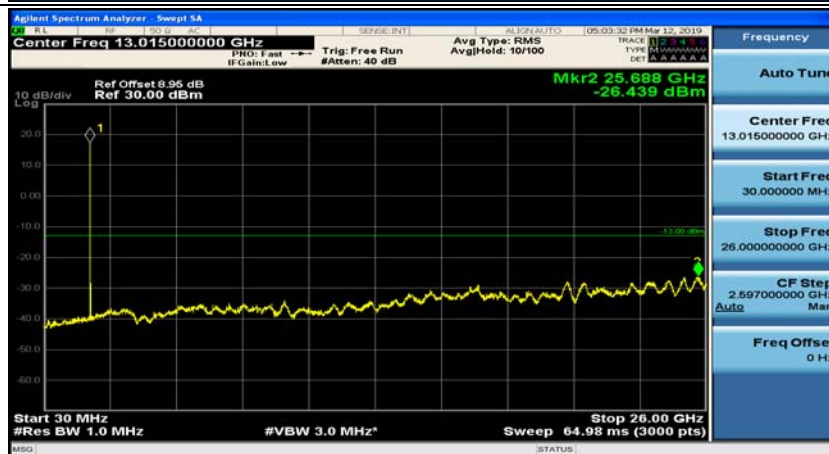
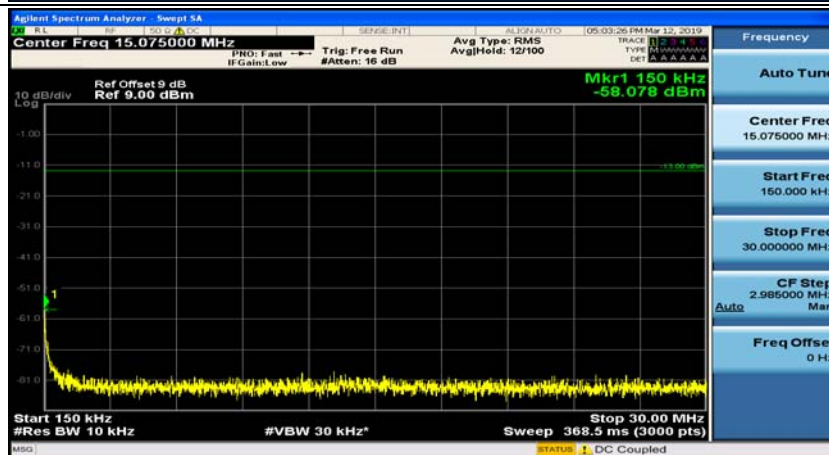
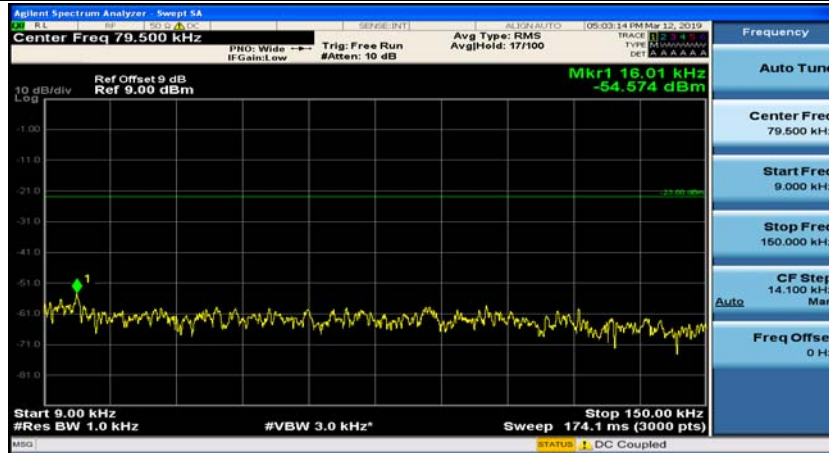
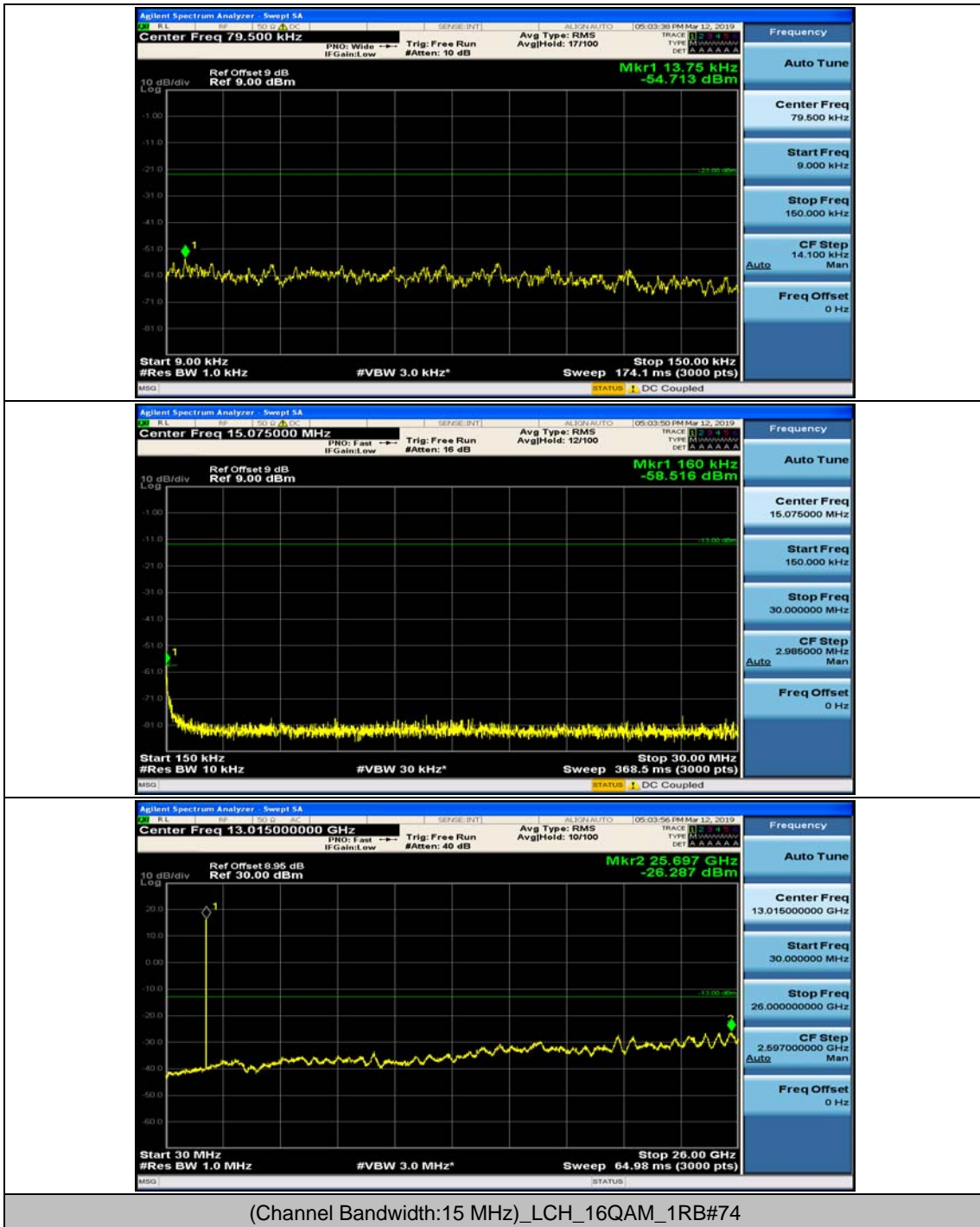
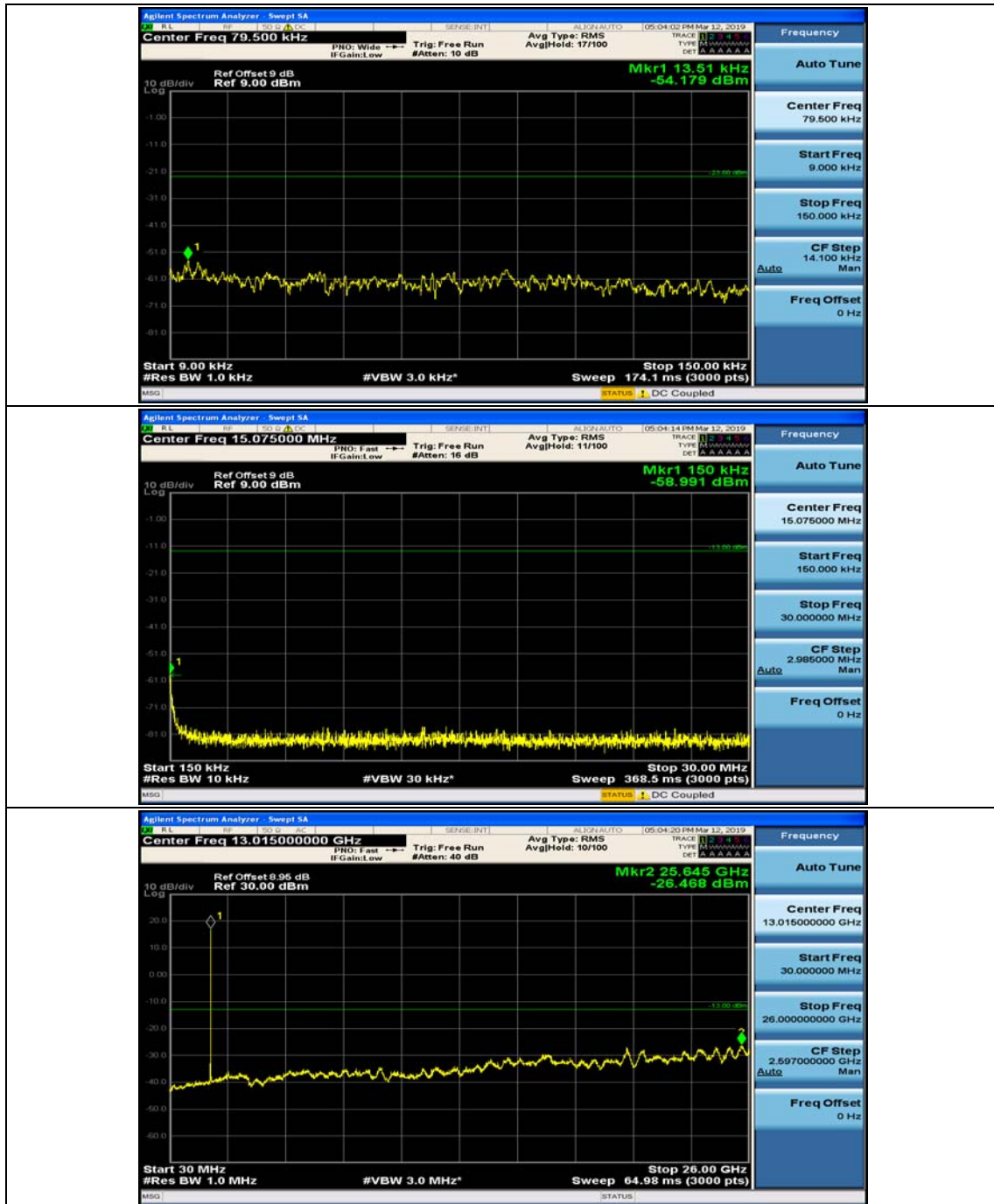


(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_1RB#0



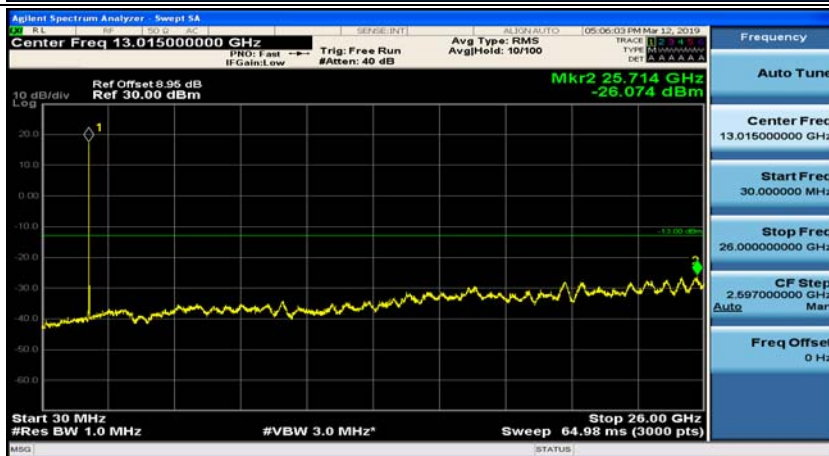
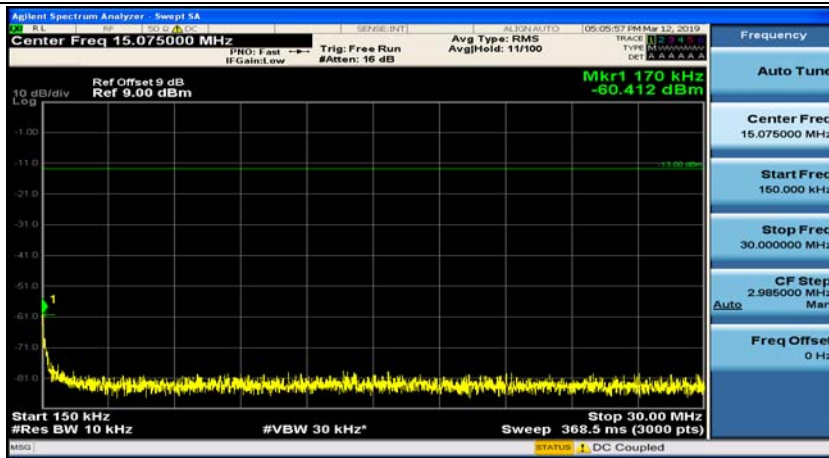
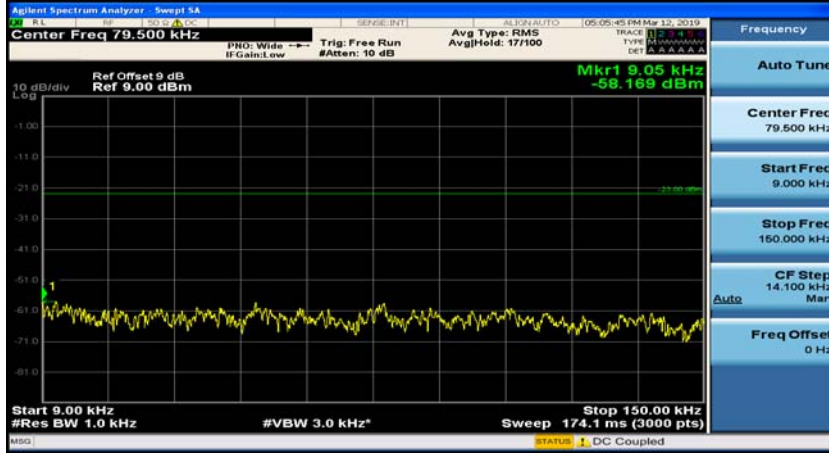
(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_1RB#37



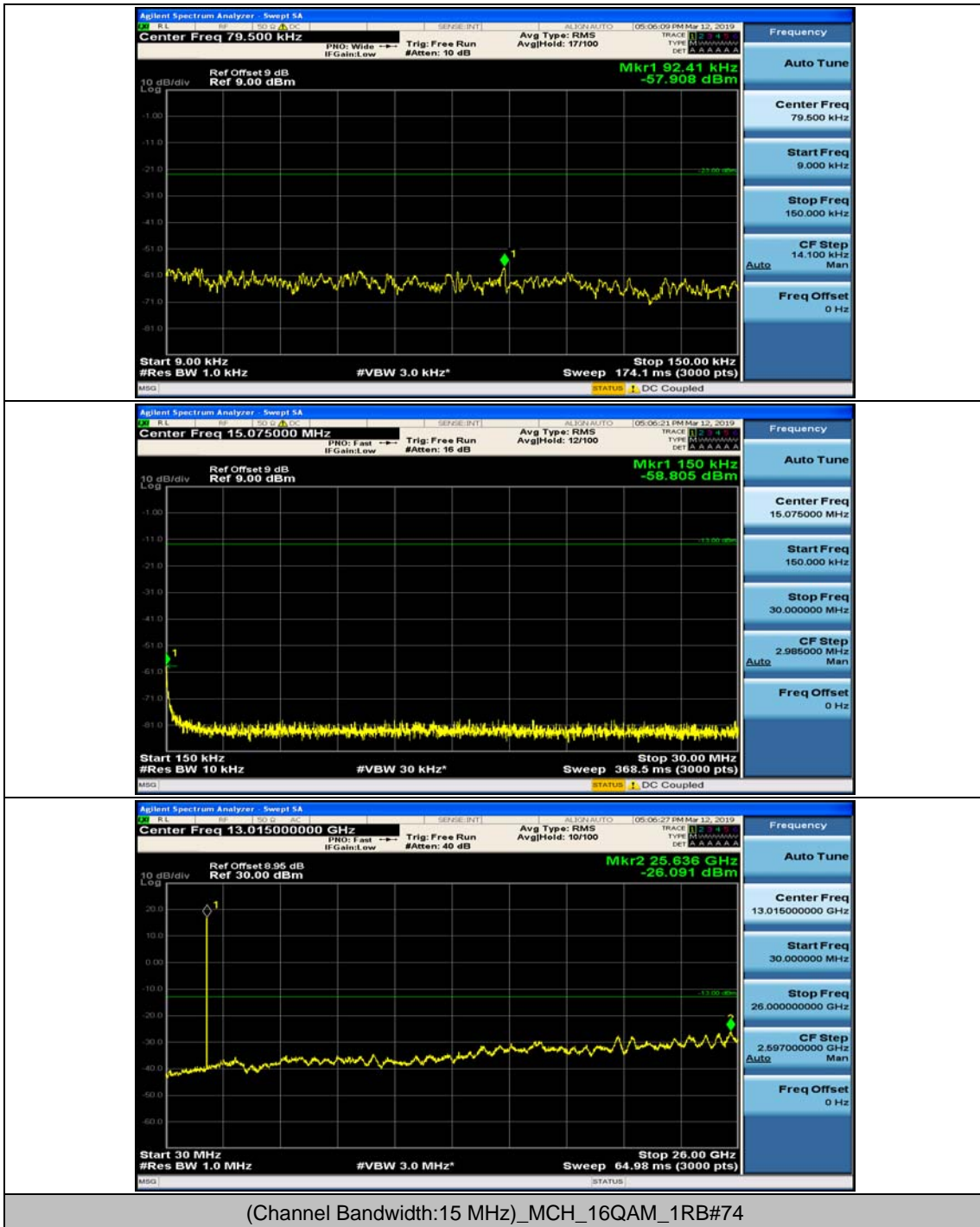


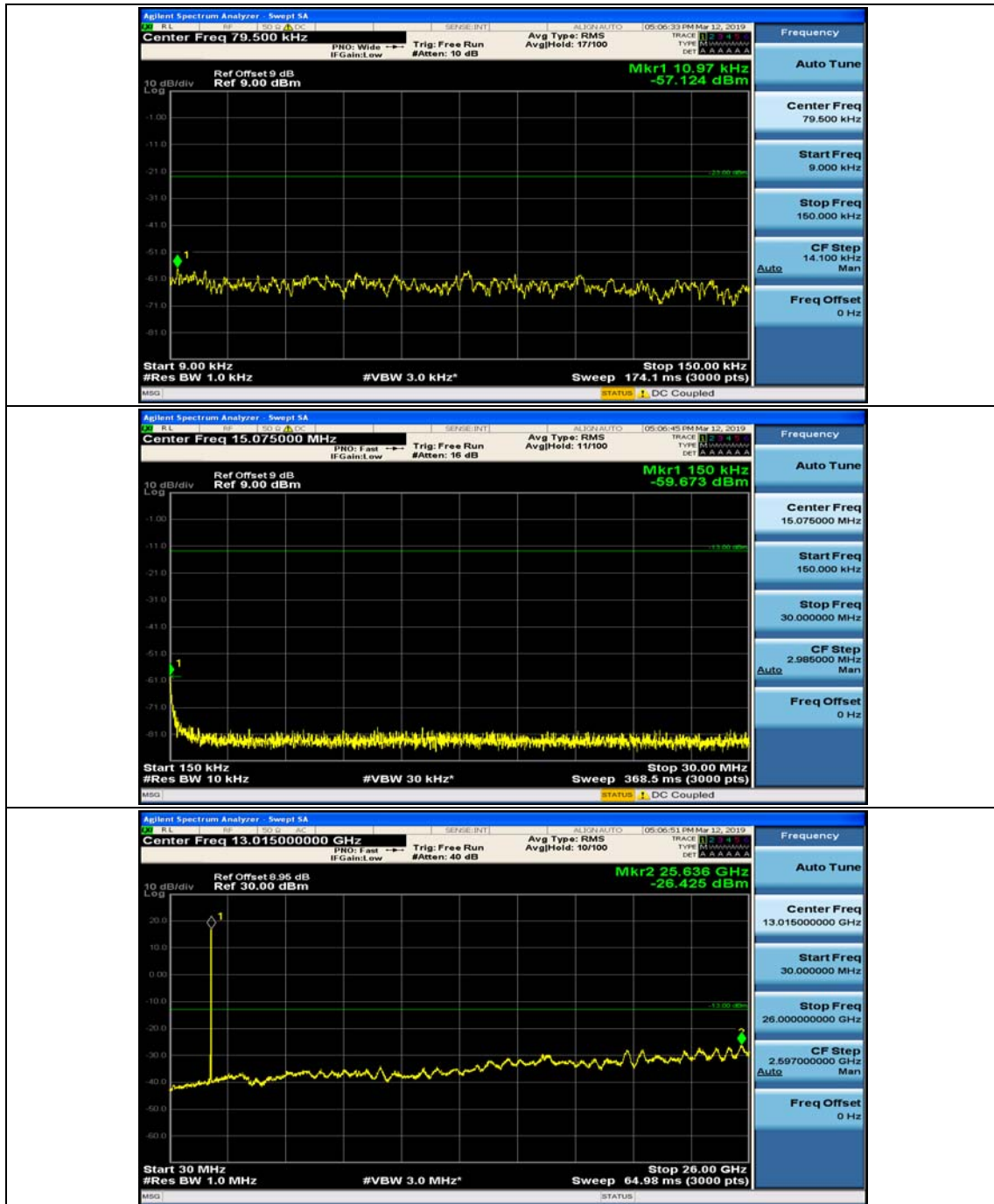


(Channel Bandwidth:15 MHz)\_MCH\_16QAM\_1RB#0



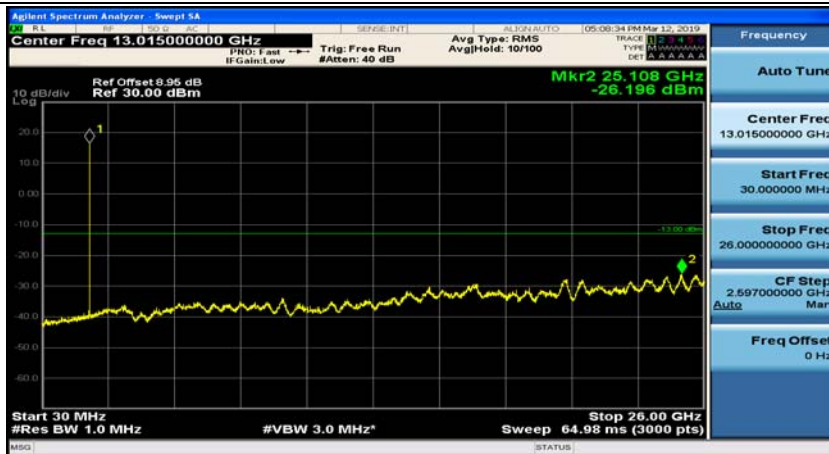
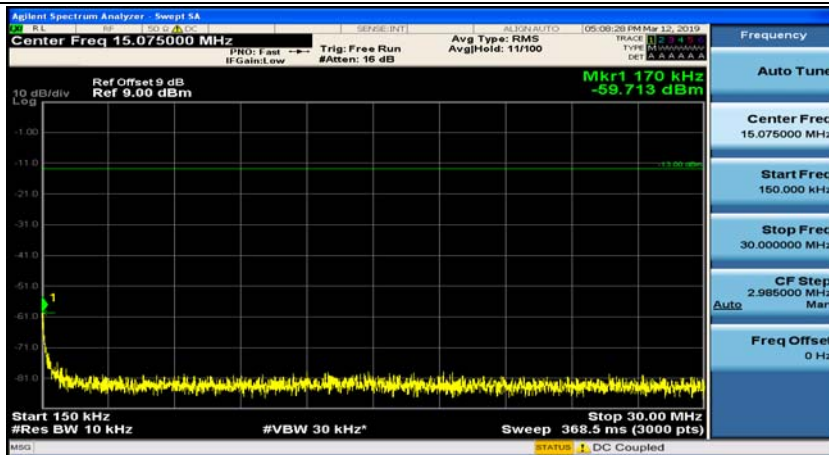
(Channel Bandwidth:15 MHz)\_MCH\_16QAM\_1RB#37



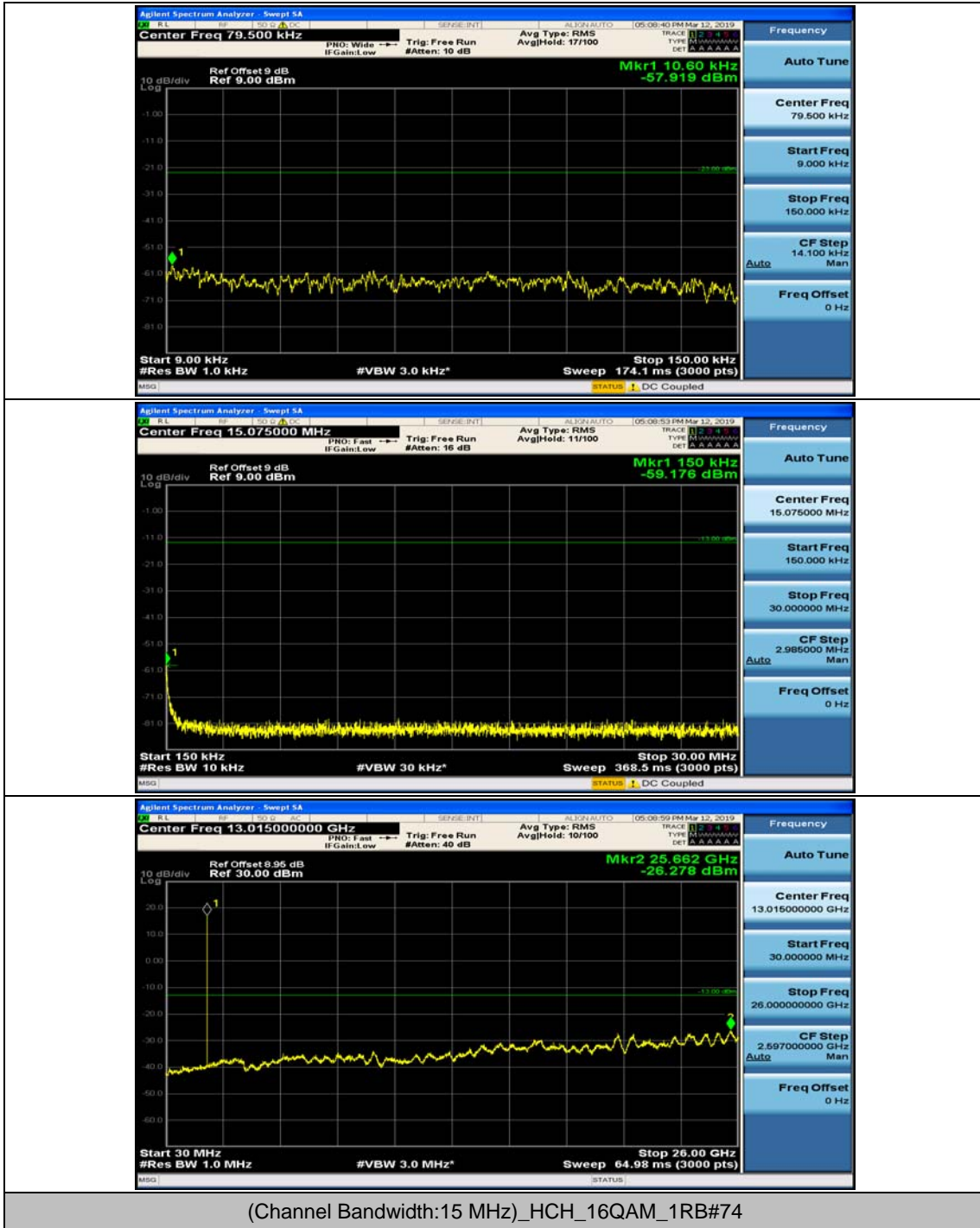


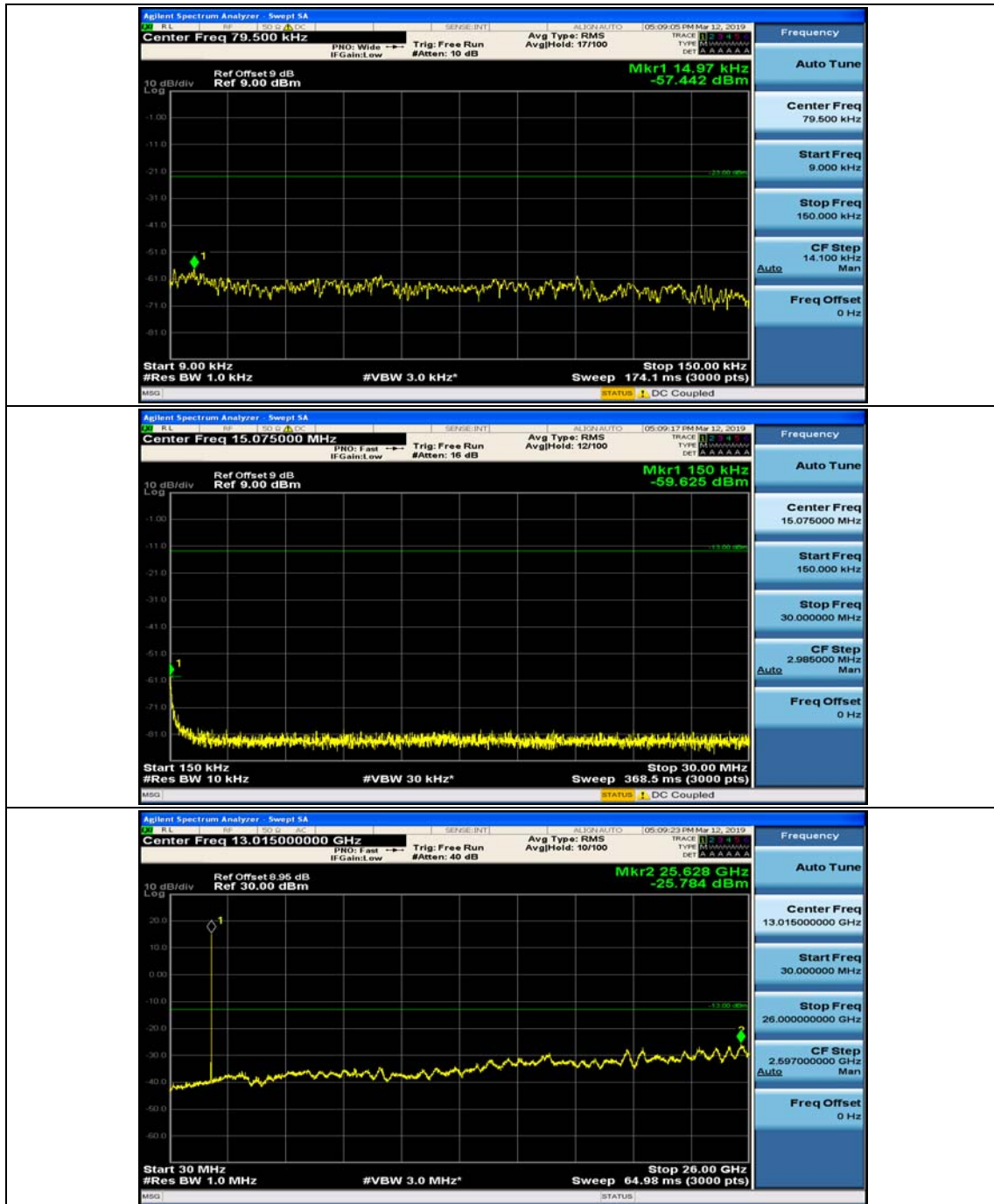


(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_1RB#0

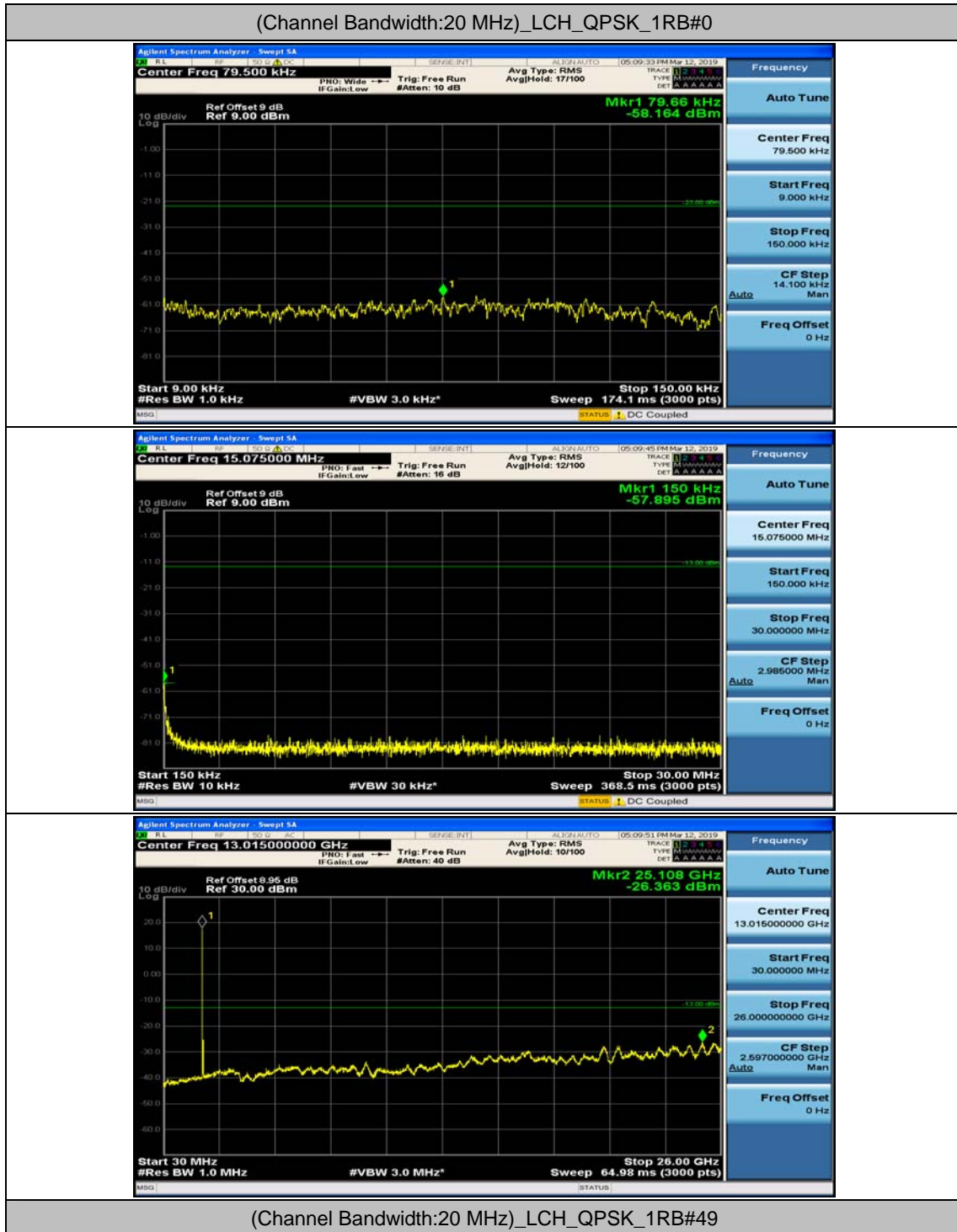


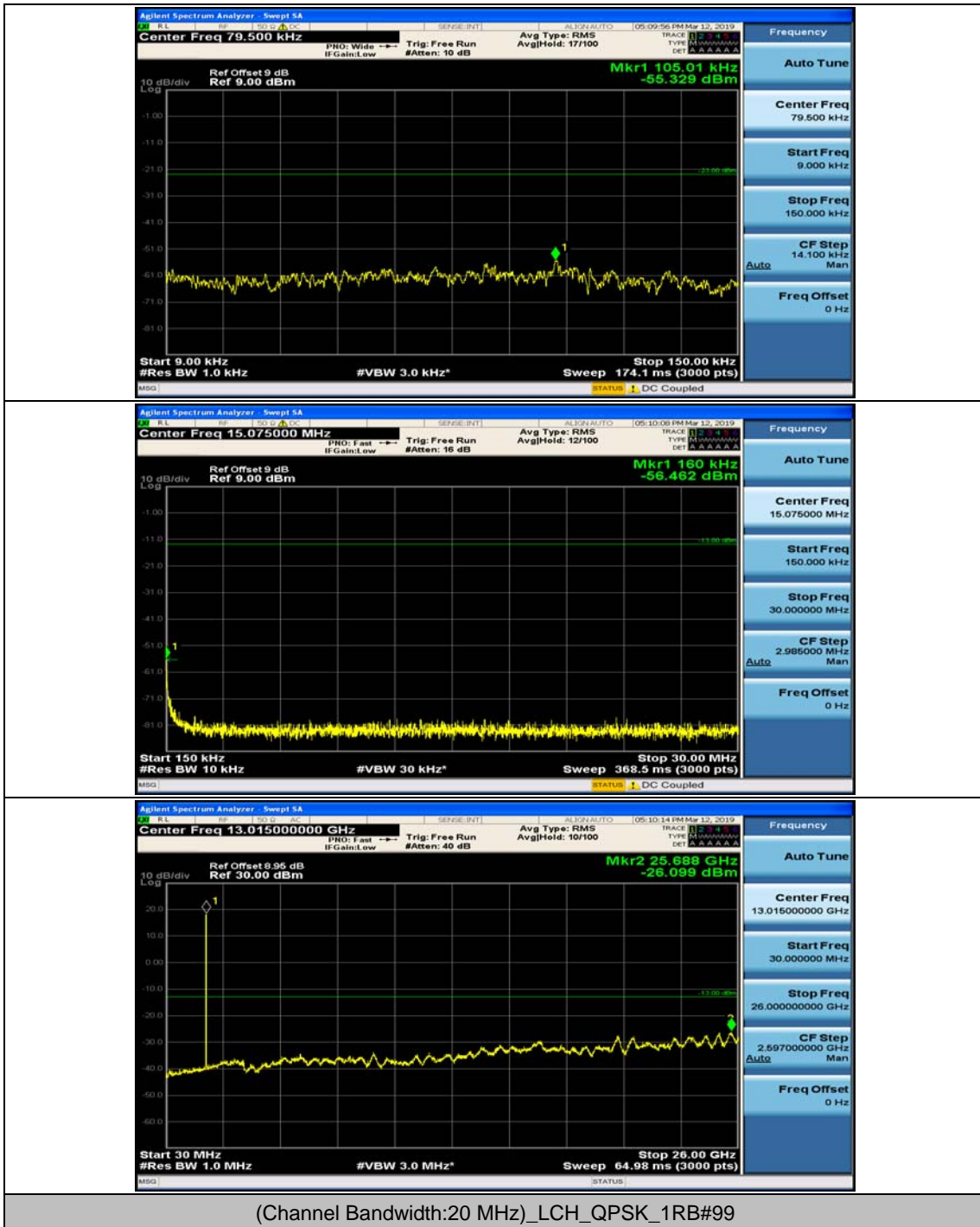
(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_1RB#37



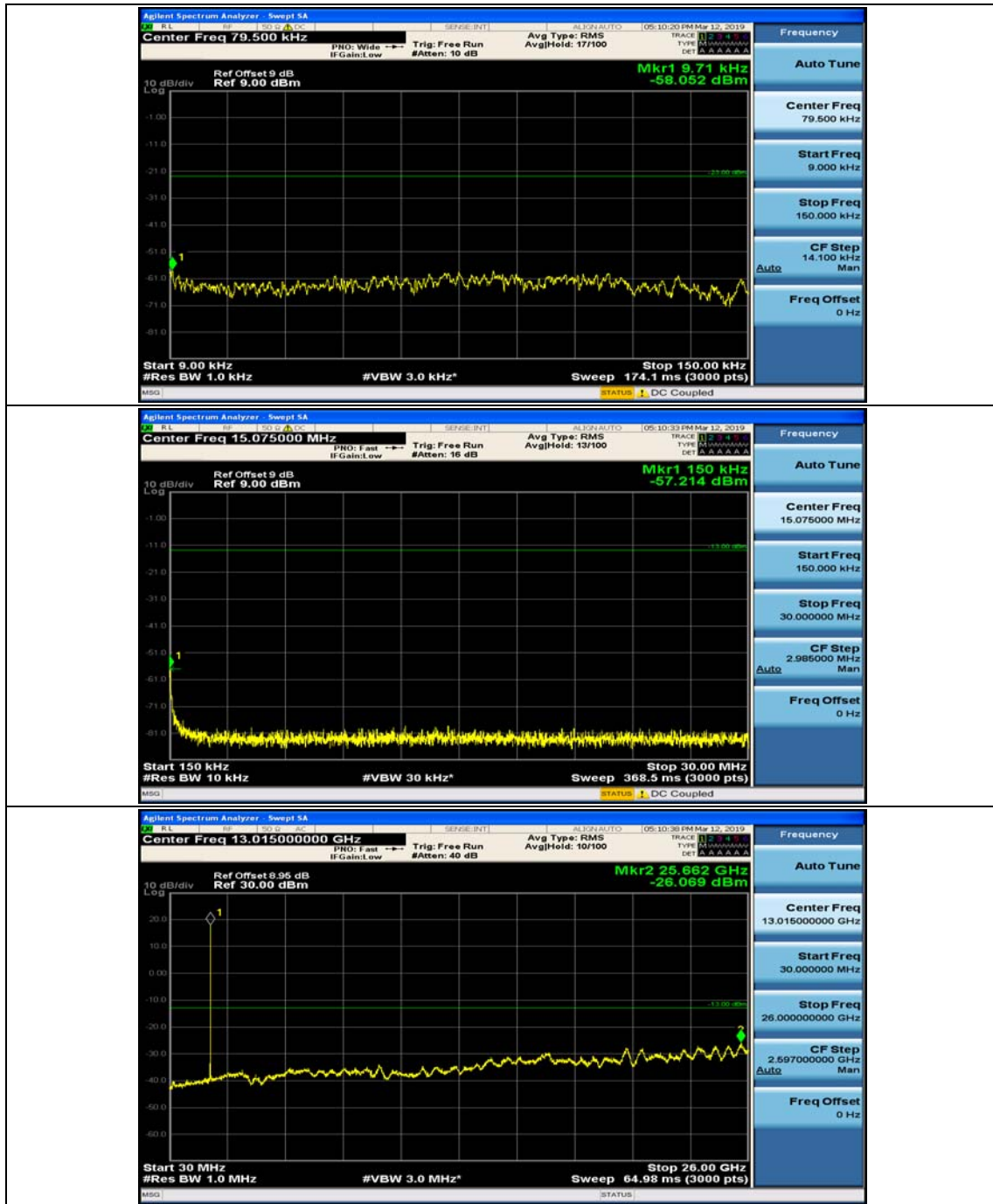


### Channel Bandwidth: 20 MHz

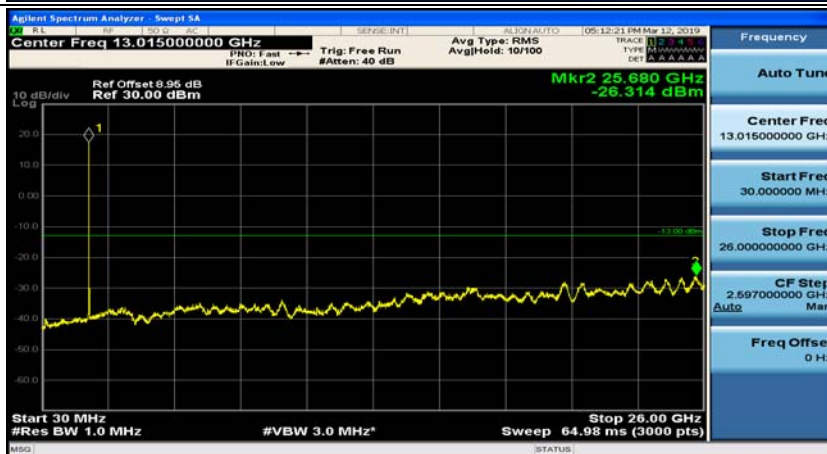
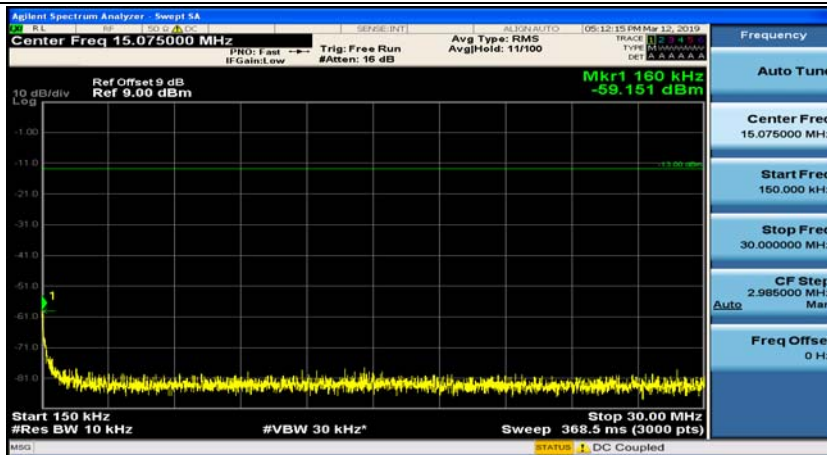
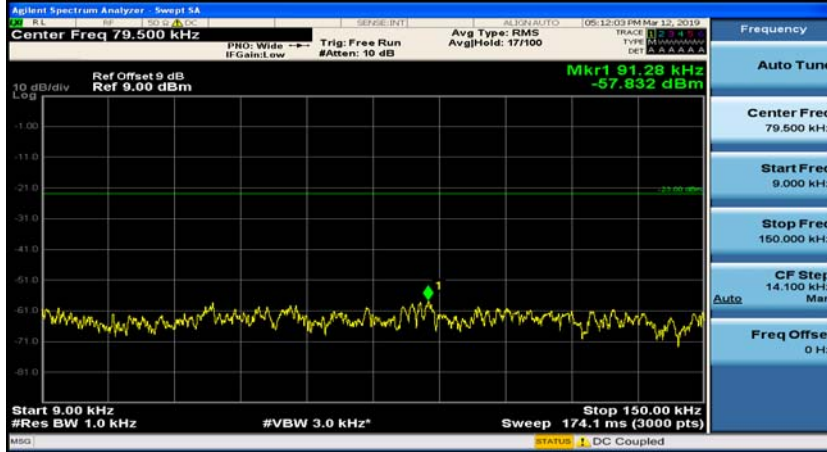




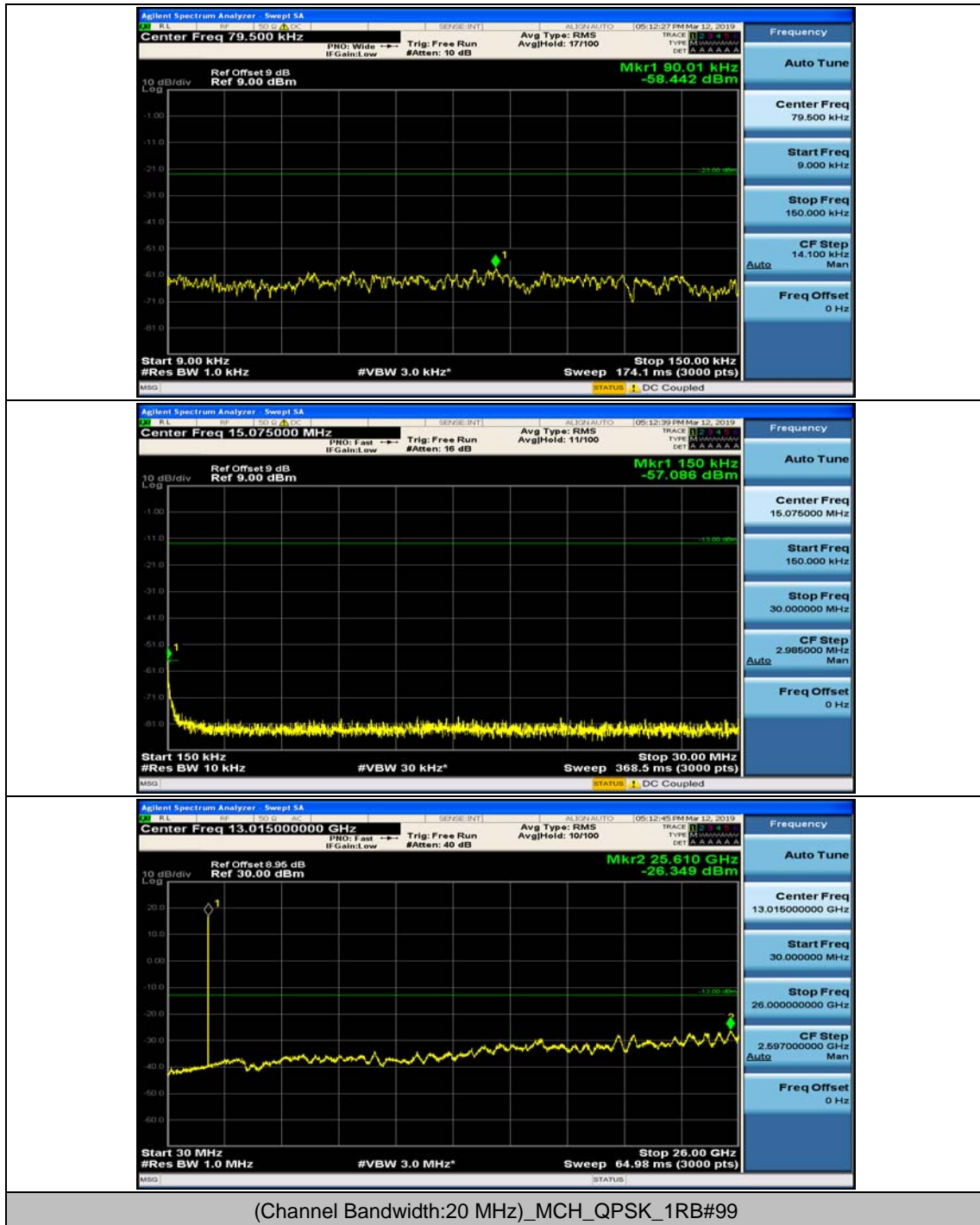


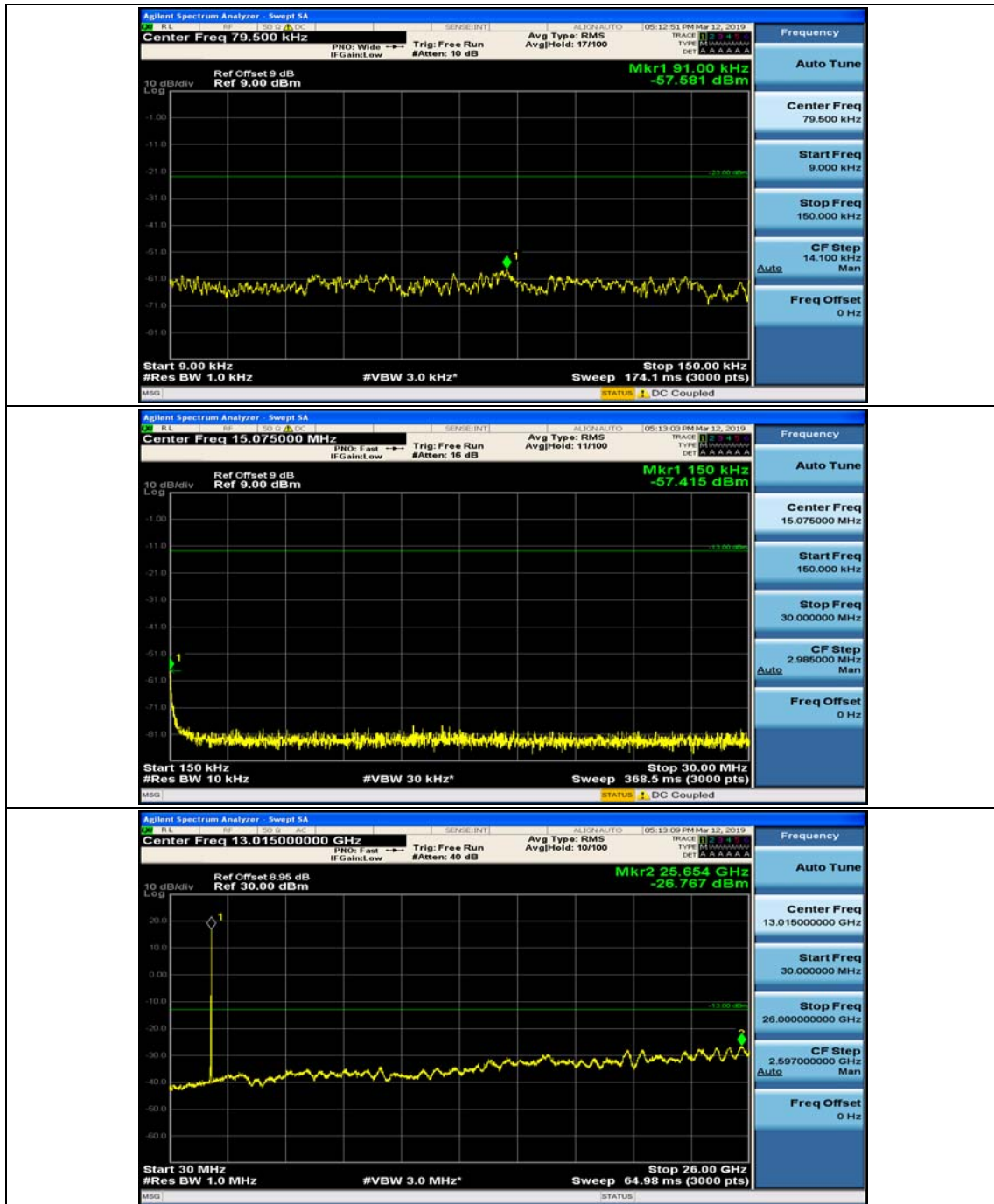


(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_1RB#0

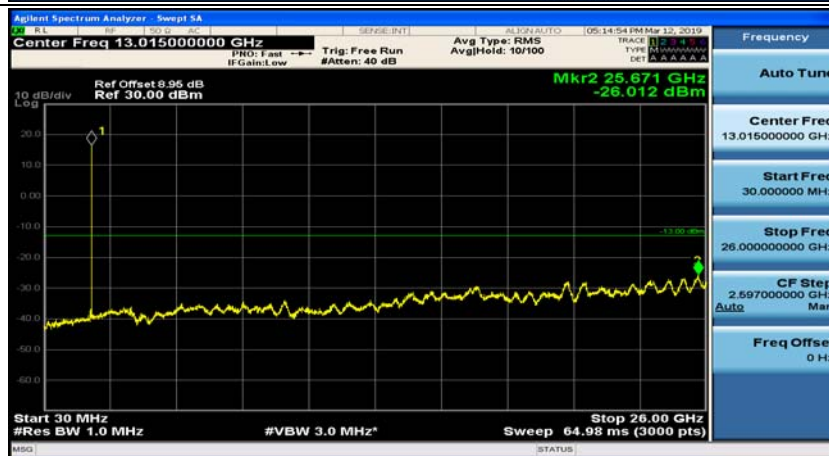
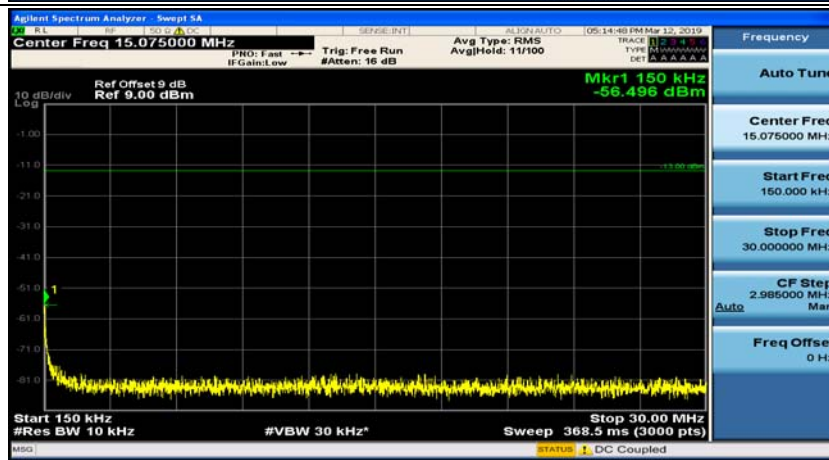
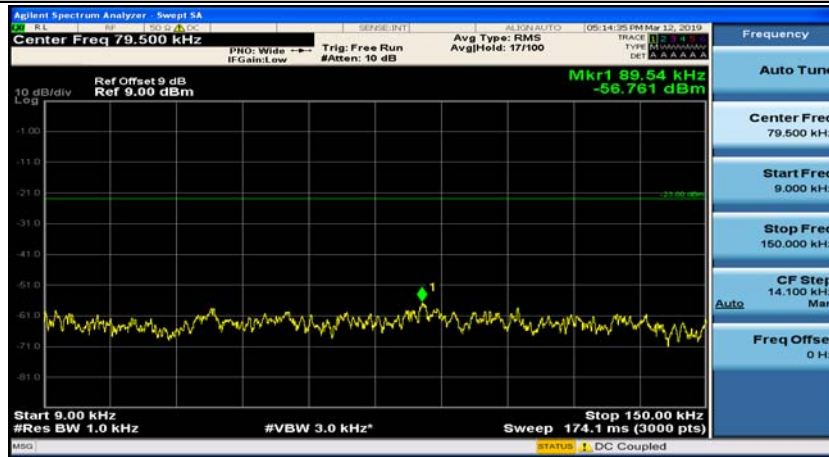


(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_1RB#49



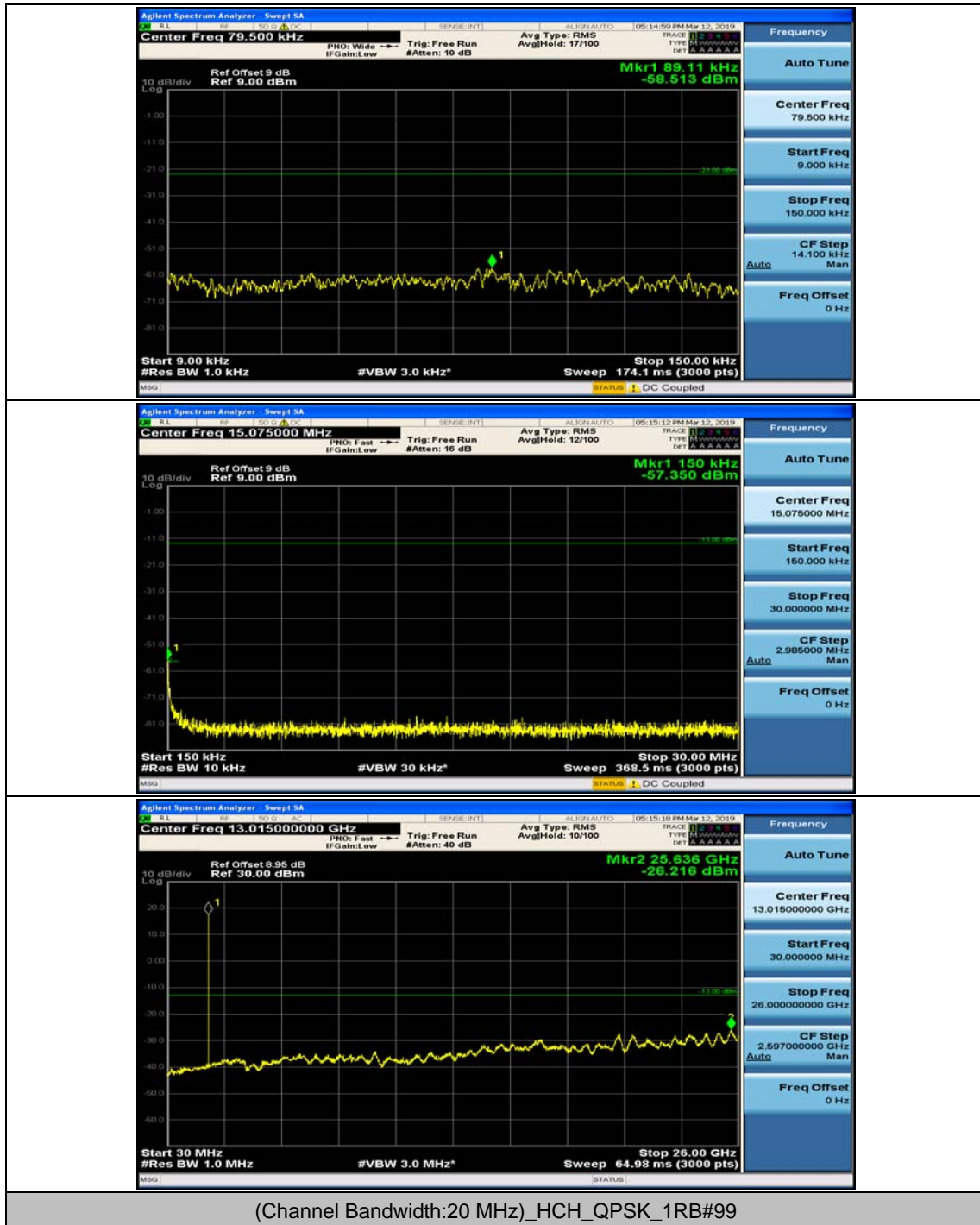


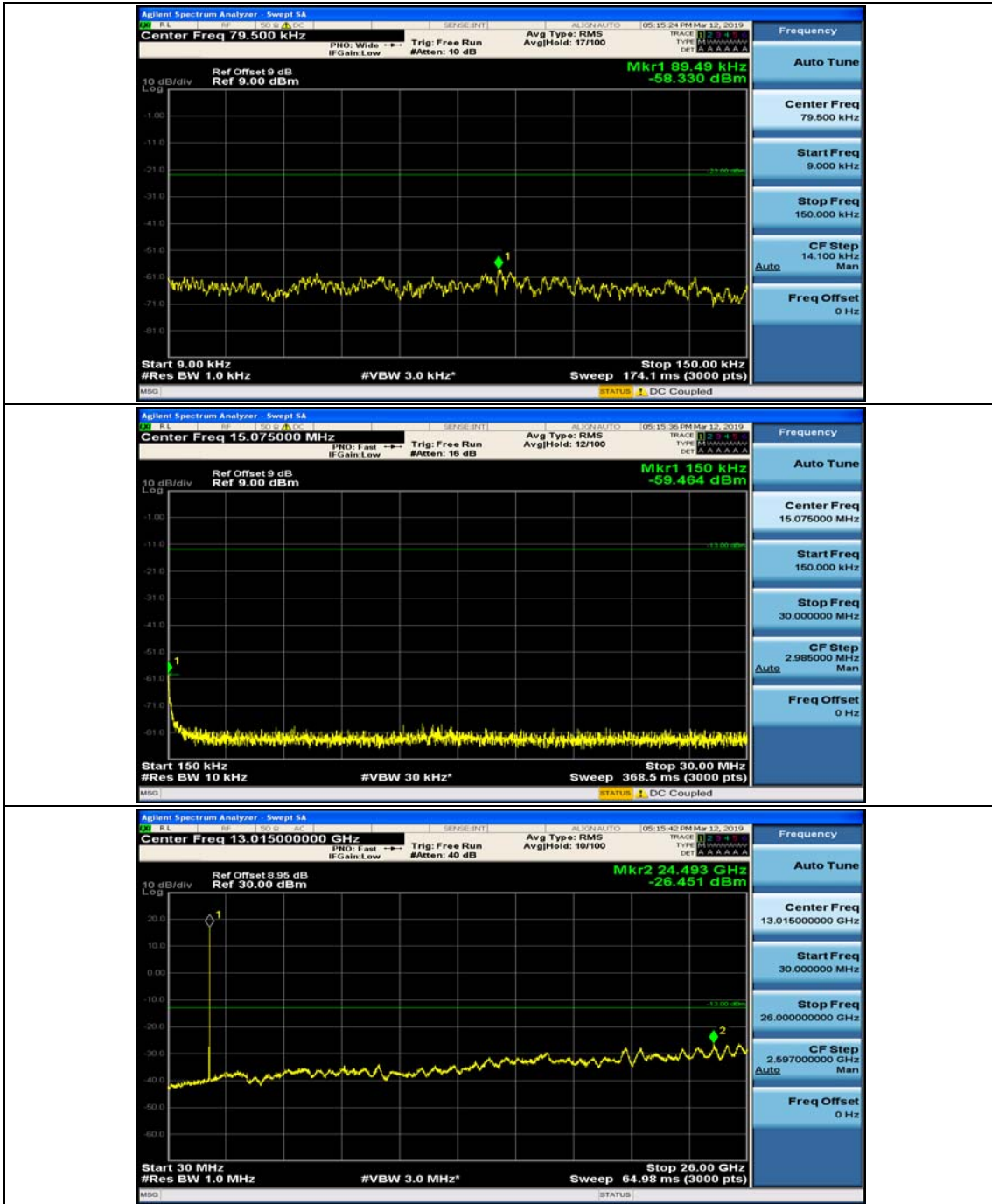
(Channel Bandwidth:20 MHz)\_HCH\_QPSK\_1RB#0



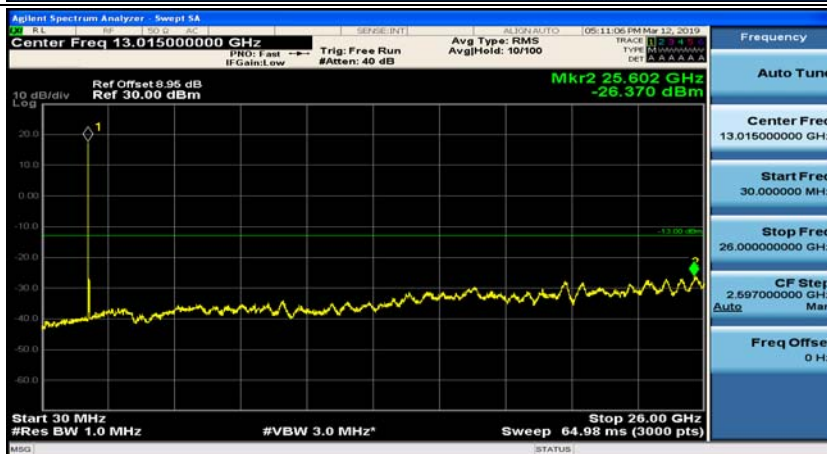
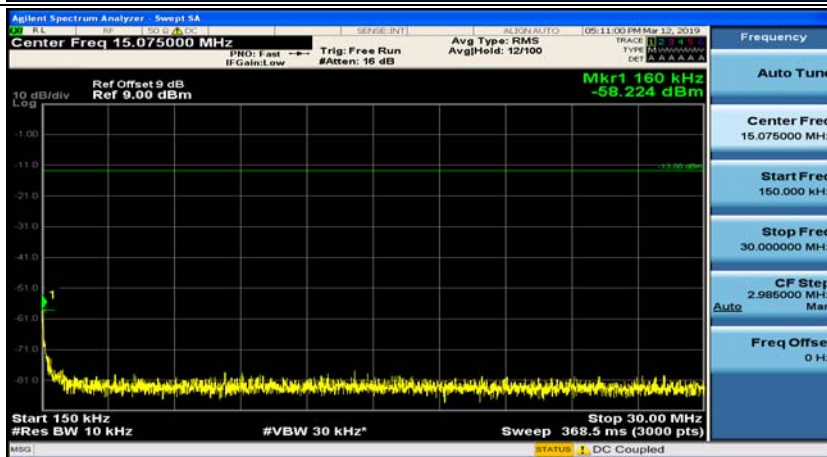
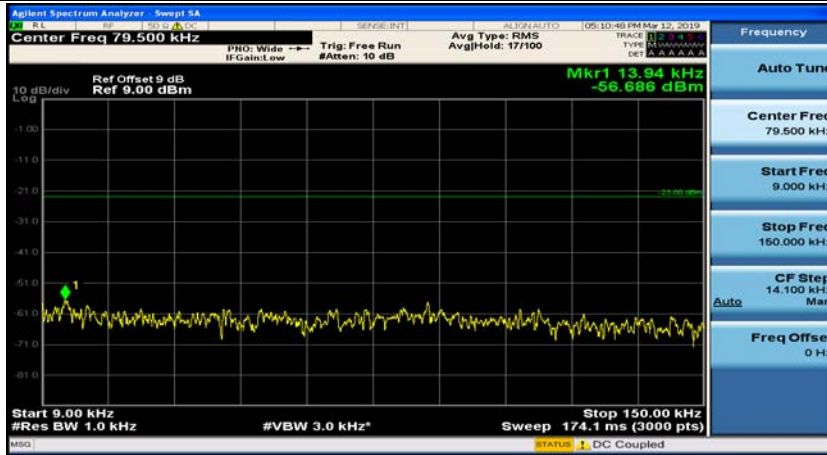
(Channel Bandwidth:20 MHz)\_HCH\_QPSK\_1RB#49



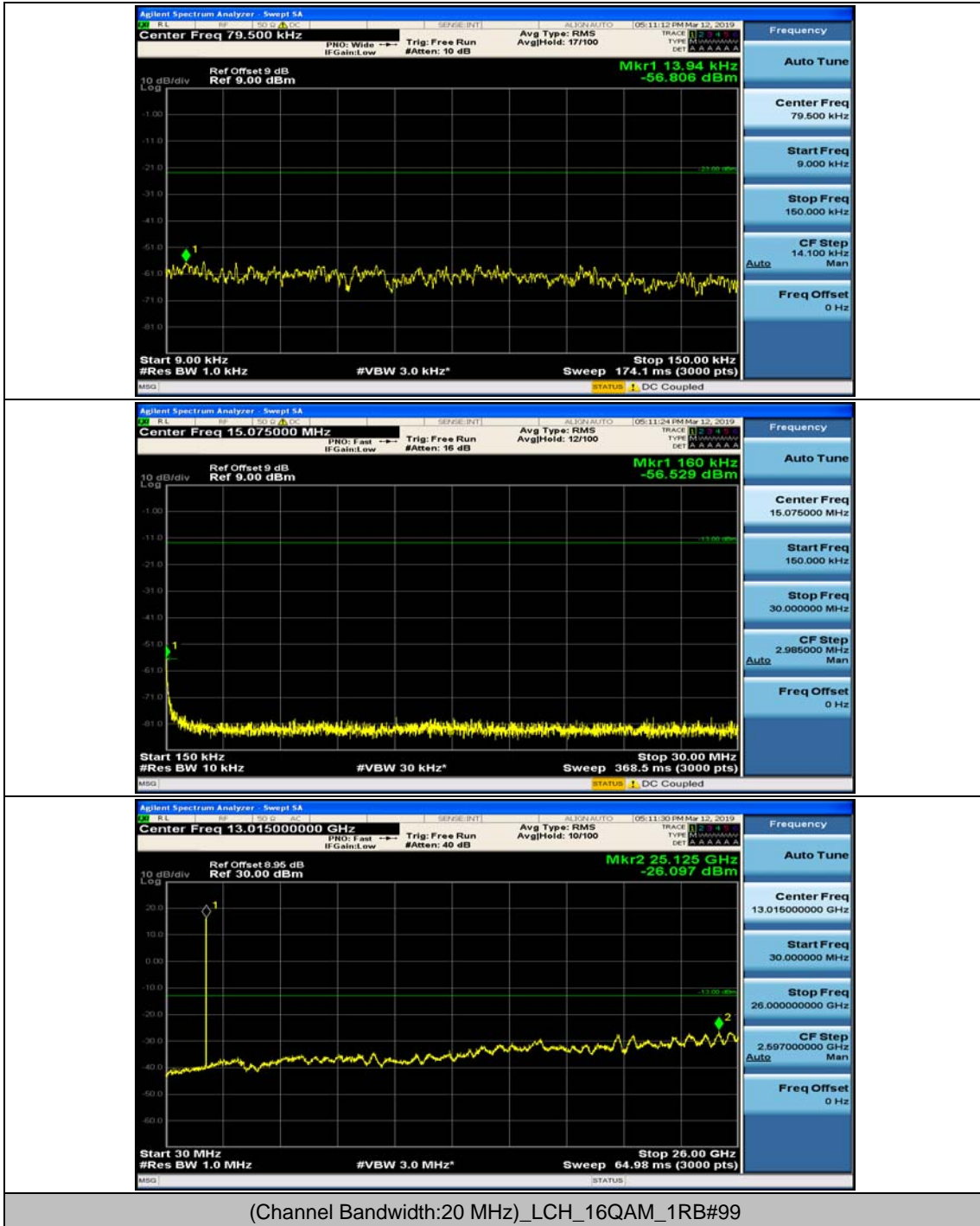


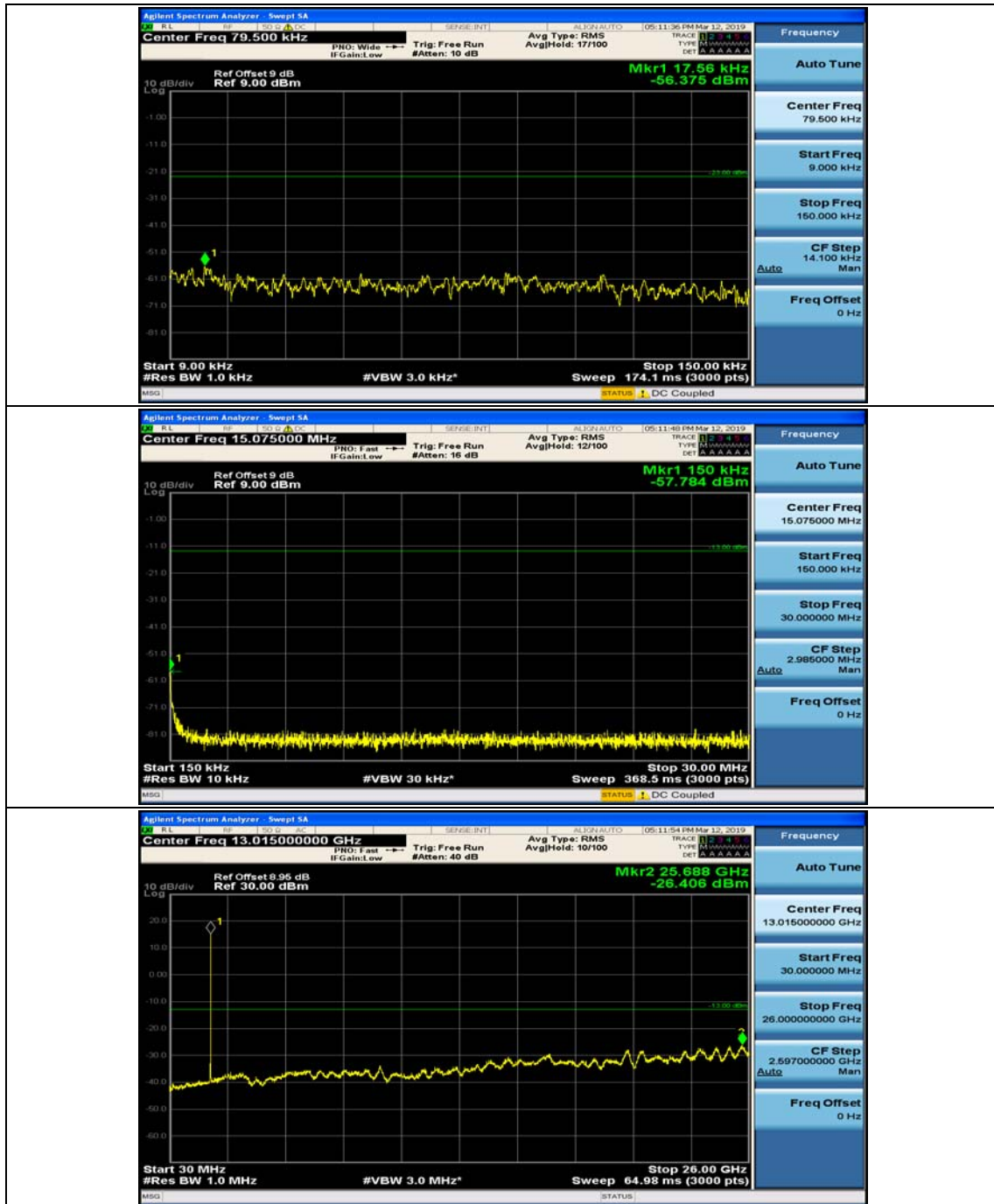


(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_1RB#0



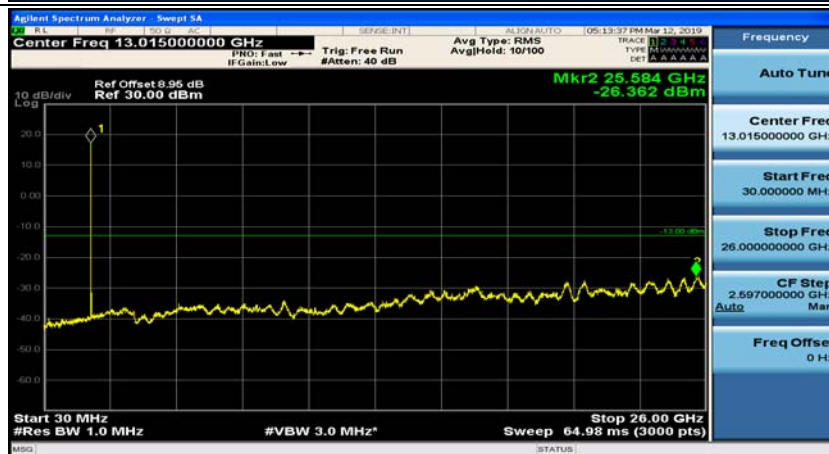
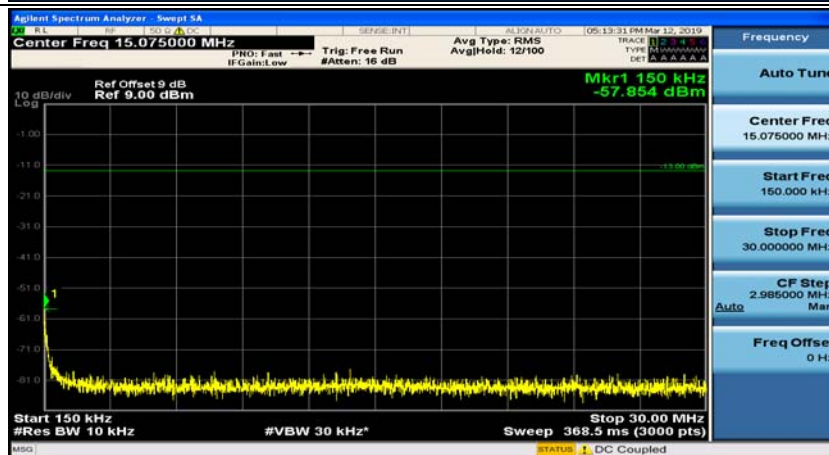
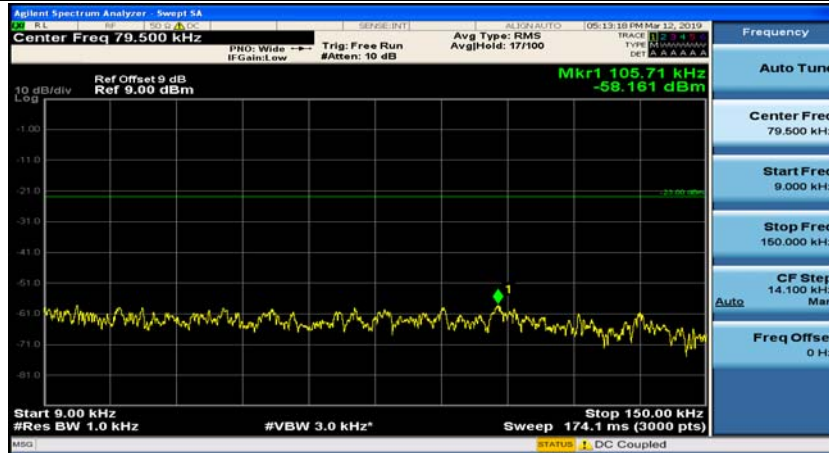
(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_1RB#49



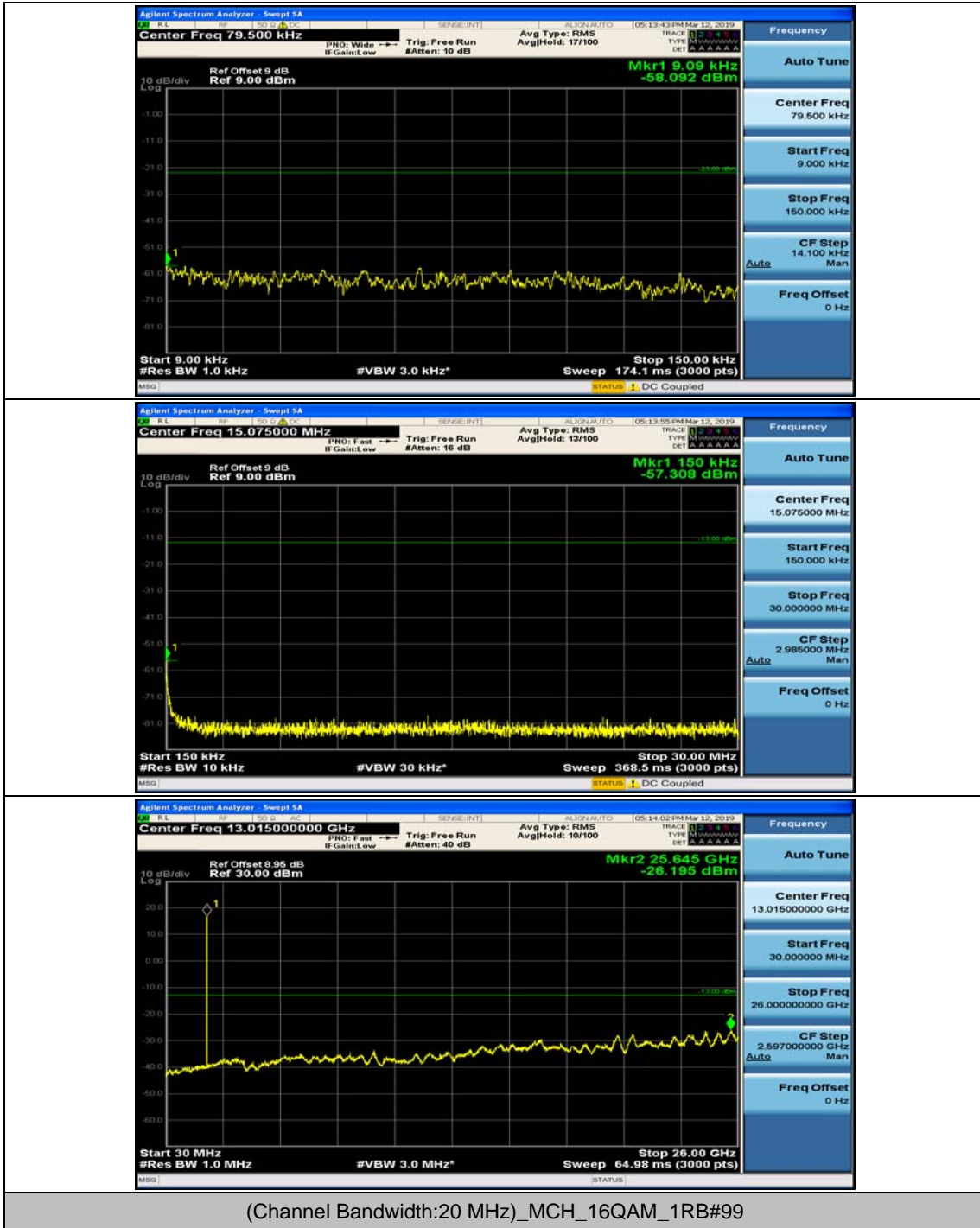


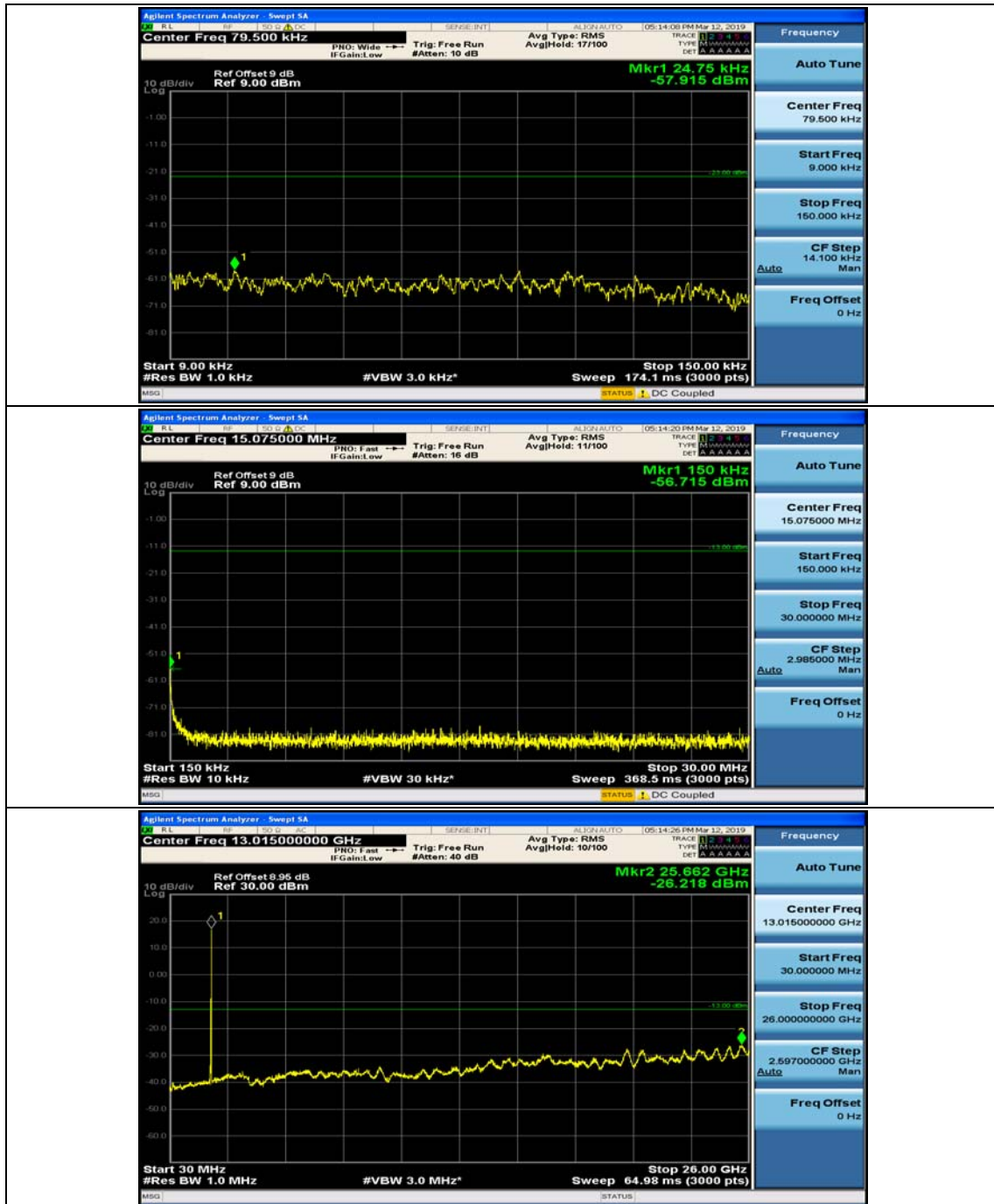


(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_1RB#0

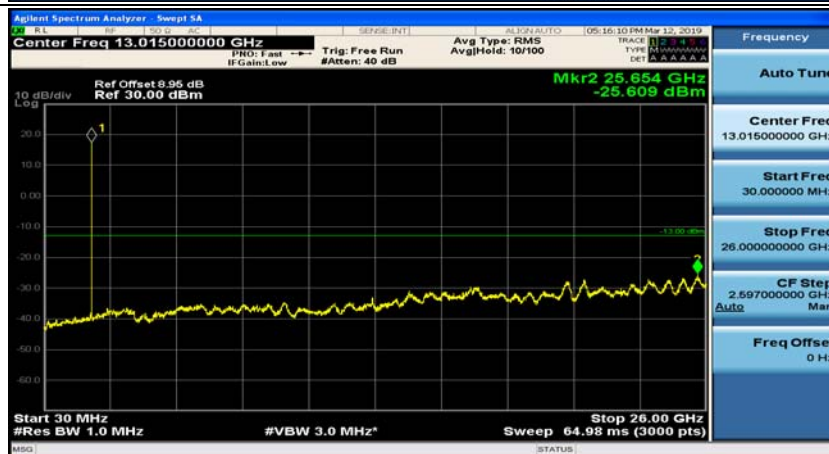
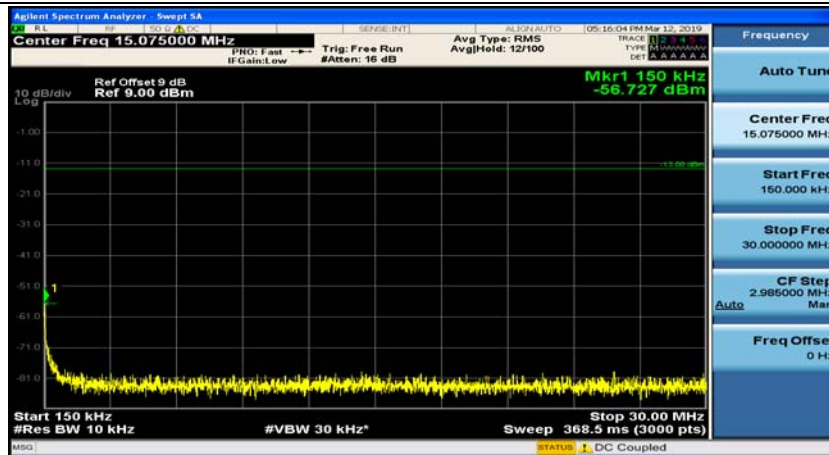
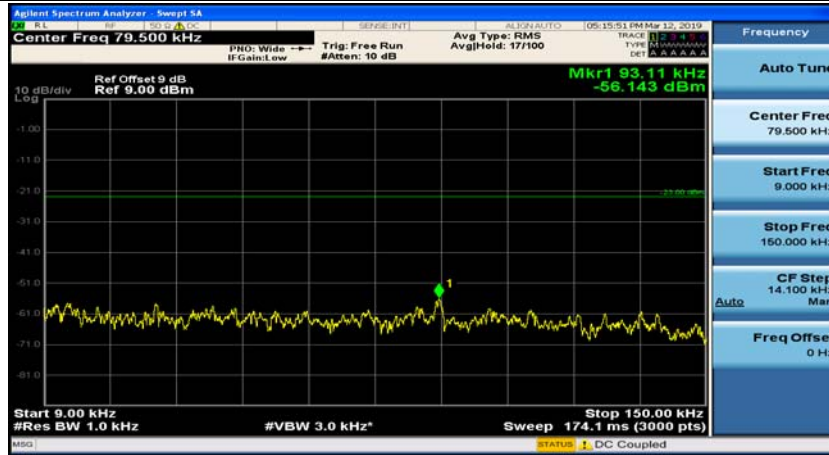


(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_1RB#49

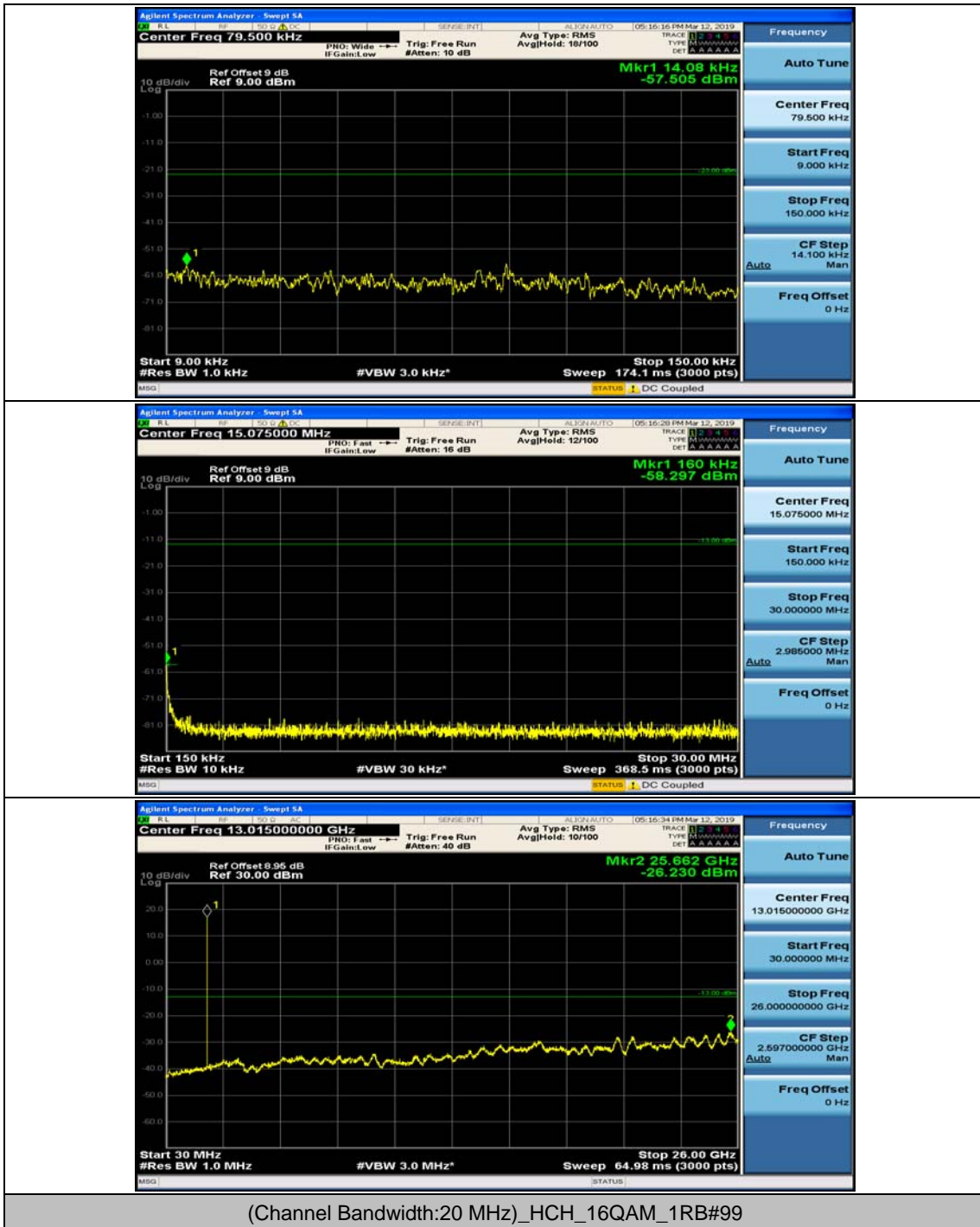




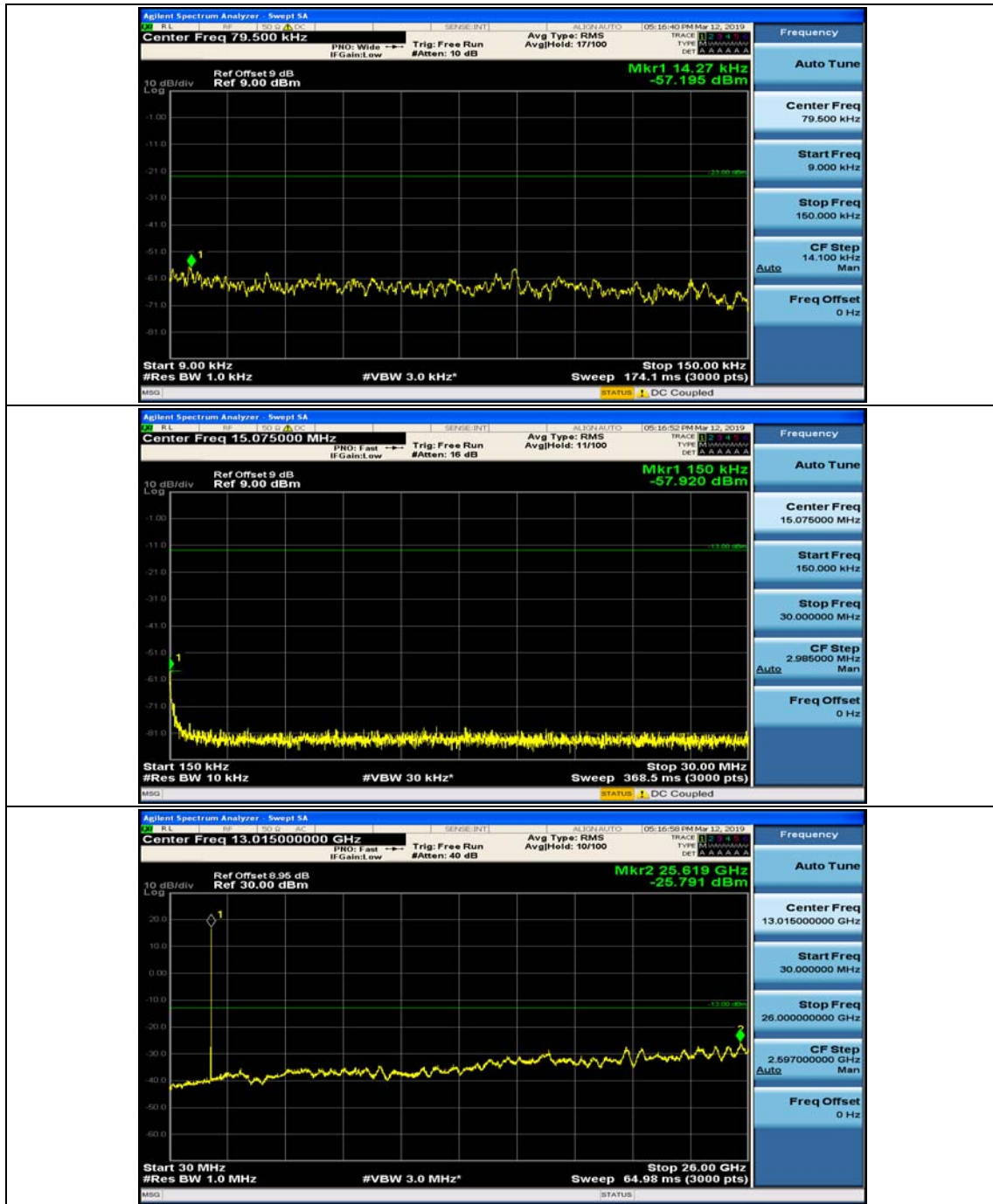
(Channel Bandwidth:20 MHz)\_HCH\_16QAM\_1RB#0



(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	1.77	0.000956	± 2.5	PASS
		VN	TN	1.12	0.000605	± 2.5	PASS
		VH	TN	-1.13	-0.000611	± 2.5	PASS
	MCH	VL	TN	4.46	0.002372	± 2.5	PASS
		VN	TN	-1.74	-0.000926	± 2.5	PASS
		VH	TN	0.62	0.000330	± 2.5	PASS
	HCH	VL	TN	1.14	0.000597	± 2.5	PASS
		VN	TN	4.98	0.002608	± 2.5	PASS
		VH	TN	3.25	0.001702	± 2.5	PASS
16QAM	LCH	VL	TN	3.75	0.002026	± 2.5	PASS
		VN	TN	-0.07	-0.000038	± 2.5	PASS
		VH	TN	1.74	0.000940	± 2.5	PASS
	MCH	VL	TN	4.2	0.002234	± 2.5	PASS
		VN	TN	2.58	0.001372	± 2.5	PASS
		VH	TN	-0.53	-0.000282	± 2.5	PASS
	HCH	VL	TN	2.24	0.001173	± 2.5	PASS
		VN	TN	3.07	0.001608	± 2.5	PASS
		VH	TN	3.78	0.001980	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.32	0.002334	± 2.5	PASS
		VN	-20	2.63	0.001421	± 2.5	PASS
		VN	-10	0.45	0.000243	± 2.5	PASS
		VN	0	1.58	0.000854	± 2.5	PASS
		VN	10	-1.05	-0.000567	± 2.5	PASS
		VN	20	-1.63	-0.000881	± 2.5	PASS
		VN	30	4.54	0.002453	± 2.5	PASS
		VN	40	-0.73	-0.000394	± 2.5	PASS
		VN	50	2.36	0.001275	± 2.5	PASS
	MCH	VN	-30	1.04	0.000553	± 2.5	PASS

	HCH	VN	-20	2.71	0.001441	± 2.5	PASS
		VN	-10	0.2	0.000106	± 2.5	PASS
		VN	0	1.02	0.000543	± 2.5	PASS
		VN	10	-0.61	-0.000324	± 2.5	PASS
		VN	20	-0.44	-0.000234	± 2.5	PASS
		VN	30	3.87	0.002059	± 2.5	PASS
		VN	40	3.13	0.001665	± 2.5	PASS
		VN	50	1.8	0.000957	± 2.5	PASS
	HCH	VN	-30	2.3	0.001205	± 2.5	PASS
		VN	-20	4.86	0.002545	± 2.5	PASS
		VN	-10	3.7	0.001938	± 2.5	PASS
		VN	0	4.36	0.002284	± 2.5	PASS
		VN	10	1.58	0.000828	± 2.5	PASS
		VN	20	-1.95	-0.001021	± 2.5	PASS
		VN	30	3.61	0.001891	± 2.5	PASS
		VN	40	3.41	0.001786	± 2.5	PASS
		VN	50	1.14	0.000597	± 2.5	PASS
		16QAM	LCH	VN	-30	3.55	0.001918
VN	-20			1.38	0.000746	± 2.5	PASS
VN	-10			-1.58	-0.000854	± 2.5	PASS
VN	0			2.4	0.001297	± 2.5	PASS
VN	10			-0.67	-0.000362	± 2.5	PASS
VN	20			-0.99	-0.000535	± 2.5	PASS
VN	30			4.71	0.002545	± 2.5	PASS
VN	40			-0.95	-0.000513	± 2.5	PASS
VN	50			-0.12	-0.000065	± 2.5	PASS
MCH	VN		-30	0.09	0.000048	± 2.5	PASS
	VN		-20	-0.24	-0.000128	± 2.5	PASS
	VN		-10	4.57	0.002431	± 2.5	PASS
	VN		0	-0.86	-0.000457	± 2.5	PASS
	VN		10	4.39	0.002335	± 2.5	PASS
	VN		20	2.52	0.001340	± 2.5	PASS
	VN		30	1.68	0.000894	± 2.5	PASS
	VN		40	0.99	0.000527	± 2.5	PASS
	VN		50	1.83	0.000973	± 2.5	PASS
HCH	VN		-30	0.8	0.000419	± 2.5	PASS
	VN		-20	0.35	0.000183	± 2.5	PASS
	VN		-10	-0.08	-0.000042	± 2.5	PASS
	VN		0	2.33	0.001220	± 2.5	PASS
	VN		10	-0.08	-0.000042	± 2.5	PASS
	VN		20	4.44	0.002325	± 2.5	PASS

		VN	30	3.68	0.001927	± 2.5	PASS
		VN	40	-1.53	-0.000801	± 2.5	PASS
		VN	50	1.82	0.000953	± 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	-0.38	-0.000205	± 2.5	PASS
		VN	TN	3.22	0.001739	± 2.5	PASS
		VH	TN	-0.56	-0.000302	± 2.5	PASS
	MCH	VL	TN	3.95	0.002101	± 2.5	PASS
		VN	TN	0.39	0.000207	± 2.5	PASS
		VH	TN	0.43	0.000229	± 2.5	PASS
	HCH	VL	TN	4.06	0.002127	± 2.5	PASS
		VN	TN	0.38	0.000199	± 2.5	PASS
		VH	TN	4.14	0.002169	± 2.5	PASS
16QAM	LCH	VL	TN	0.86	0.000464	± 2.5	PASS
		VN	TN	0.38	0.000205	± 2.5	PASS
		VH	TN	2.64	0.001426	± 2.5	PASS
	MCH	VL	TN	-1.56	-0.000830	± 2.5	PASS
		VN	TN	4.1	0.002181	± 2.5	PASS
		VH	TN	3.67	0.001952	± 2.5	PASS
	HCH	VL	TN	3.2	0.001677	± 2.5	PASS
		VN	TN	0.72	0.000377	± 2.5	PASS
		VH	TN	1.54	0.000807	± 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	2.9	0.001566	± 2.5	PASS
		VN	-10	-0.2	-0.000108	± 2.5	PASS
		VN	0	0.64	0.000346	± 2.5	PASS
		VN	10	0.44	0.000238	± 2.5	PASS
		VN	20	1.45	0.000783	± 2.5	PASS
		VN	30	3.45	0.001863	± 2.5	PASS
		VN	40	2.49	0.001345	± 2.5	PASS
		VN	50	4.98	0.002690	± 2.5	PASS
	MCH	VN	-30	3.36	0.001787	± 2.5	PASS
		VN	-20	3.92	0.002085	± 2.5	PASS

		VN	-10	3.29	0.001750	± 2.5	PASS		
		VN	0	-0.8	-0.000426	± 2.5	PASS		
		VN	10	-1	-0.000532	± 2.5	PASS		
		VN	20	-0.34	-0.000181	± 2.5	PASS		
		VN	30	1.37	0.000729	± 2.5	PASS		
		VN	40	0.21	0.000112	± 2.5	PASS		
		VN	50	4.67	0.002484	± 2.5	PASS		
	HCH	VN	-30	-1.16	-0.000608	± 2.5	PASS		
		VN	-20	4.1	0.002148	± 2.5	PASS		
		VN	-10	4.87	0.002552	± 2.5	PASS		
		VN	0	3.26	0.001708	± 2.5	PASS		
		VN	10	3.74	0.001960	± 2.5	PASS		
		VN	20	1.24	0.000650	± 2.5	PASS		
		VN	30	1.85	0.000969	± 2.5	PASS		
		VN	40	4.24	0.002222	± 2.5	PASS		
		VN	50	-0.85	-0.000445	± 2.5	PASS		
		QPSK	LCH	VN	-30	2.07	0.001118	± 2.5	PASS
				VN	-20	-0.72	-0.000389	± 2.5	PASS
VN	-10			4.5	0.002430	± 2.5	PASS		
VN	0			1.96	0.001059	± 2.5	PASS		
VN	10			-0.08	-0.000043	± 2.5	PASS		
VN	20			-1.41	-0.000762	± 2.5	PASS		
VN	30			-0.56	-0.000302	± 2.5	PASS		
VN	40			-0.71	-0.000383	± 2.5	PASS		
VN	50			-0.53	-0.000286	± 2.5	PASS		
MCH	VN		-30	1.95	0.001037	± 2.5	PASS		
	VN		-20	1.07	0.000569	± 2.5	PASS		
	VN		-10	-1.72	-0.000915	± 2.5	PASS		
	VN		0	1.43	0.000761	± 2.5	PASS		
	VN		10	3.18	0.001691	± 2.5	PASS		
	VN		20	-0.62	-0.000330	± 2.5	PASS		
	VN		30	-1.14	-0.000606	± 2.5	PASS		
	VN		40	3.82	0.002032	± 2.5	PASS		
	VN		50	0.6	0.000319	± 2.5	PASS		
HCH	VN		-30	4.1	0.002148	± 2.5	PASS		
	VN		-20	2.25	0.001179	± 2.5	PASS		
	VN		-10	-1.23	-0.000644	± 2.5	PASS		
	VN		0	4.08	0.002138	± 2.5	PASS		
	VN		10	3.65	0.001912	± 2.5	PASS		
	VN		20	0.84	0.000440	± 2.5	PASS		
	VN		30	4.39	0.002300	± 2.5	PASS		



		VN	40	2.75	0.001441	± 2.5	PASS
		VN	50	4.29	0.002248	± 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	-1.8	-0.000972	± 2.5	PASS
		VN	TN	1.35	0.000729	± 2.5	PASS
		VH	TN	-1.06	-0.000572	± 2.5	PASS
	MCH	VL	TN	3.55	0.001888	± 2.5	PASS
		VN	TN	3.21	0.001707	± 2.5	PASS
		VH	TN	-0.62	-0.000330	± 2.5	PASS
	HCH	VL	TN	3.17	0.001662	± 2.5	PASS
		VN	TN	4.11	0.002155	± 2.5	PASS
		VH	TN	2.87	0.001505	± 2.5	PASS
16QAM	LCH	VL	TN	1.39	0.000750	± 2.5	PASS
		VN	TN	3.25	0.001754	± 2.5	PASS
		VH	TN	2.89	0.001560	± 2.5	PASS
	MCH	VL	TN	-1.35	-0.000718	± 2.5	PASS
		VN	TN	2.8	0.001489	± 2.5	PASS
		VH	TN	-0.39	-0.000207	± 2.5	PASS
	HCH	VL	TN	-1.86	-0.000975	± 2.5	PASS
		VN	TN	4.14	0.002170	± 2.5	PASS
		VH	TN	4.65	0.002438	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.21	0.000113	± 2.5	PASS
		VN	-20	3.22	0.001738	± 2.5	PASS
		VN	-10	0.29	0.000157	± 2.5	PASS
		VN	0	3.18	0.001717	± 2.5	PASS
		VN	10	1.92	0.001036	± 2.5	PASS
		VN	20	-0.17	-0.000092	± 2.5	PASS
		VN	30	3.52	0.001900	± 2.5	PASS
		VN	40	3.72	0.002008	± 2.5	PASS
		VN	50	2.64	0.001425	± 2.5	PASS
	MCH	VN	-30	0.79	0.000420	± 2.5	PASS
		VN	-20	0.72	0.000383	± 2.5	PASS
		VN	-10	3.5	0.001862	± 2.5	PASS

		VN	0	2.36	0.001255	± 2.5	PASS	
		VN	10	4	0.002128	± 2.5	PASS	
		VN	20	4.73	0.002516	± 2.5	PASS	
		VN	30	1.74	0.000926	± 2.5	PASS	
		VN	40	1.22	0.000649	± 2.5	PASS	
		VN	50	1.61	0.000856	± 2.5	PASS	
	HCH	VN	-30	4.86	0.002548	± 2.5	PASS	
		VN	-20	4.66	0.002443	± 2.5	PASS	
		VN	-10	4.84	0.002537	± 2.5	PASS	
		VN	0	4.88	0.002558	± 2.5	PASS	
		VN	10	0.52	0.000273	± 2.5	PASS	
		VN	20	2.97	0.001557	± 2.5	PASS	
		VN	30	4.35	0.002280	± 2.5	PASS	
		VN	40	4.08	0.002139	± 2.5	PASS	
	VN	50	-0.26	-0.000136	± 2.5	PASS		
	16QAM	LCH	VN	-30	2.78	0.001501	± 2.5	PASS
			VN	-20	1.66	0.000896	± 2.5	PASS
			VN	-10	-0.21	-0.000113	± 2.5	PASS
VN			0	1.29	0.000696	± 2.5	PASS	
VN			10	2.76	0.001490	± 2.5	PASS	
VN			20	4.23	0.002283	± 2.5	PASS	
VN			30	-1.04	-0.000561	± 2.5	PASS	
VN			40	4.35	0.002348	± 2.5	PASS	
VN			50	1.19	0.000642	± 2.5	PASS	
MCH		VN	-30	2.51	0.001335	± 2.5	PASS	
		VN	-20	3.62	0.001926	± 2.5	PASS	
		VN	-10	-0.02	-0.000011	± 2.5	PASS	
		VN	0	3.65	0.001941	± 2.5	PASS	
		VN	10	3.79	0.002016	± 2.5	PASS	
		VN	20	1.01	0.000537	± 2.5	PASS	
		VN	30	2.68	0.001426	± 2.5	PASS	
		VN	40	-0.09	-0.000048	± 2.5	PASS	
		VN	50	4.3	0.002287	± 2.5	PASS	
HCH		VN	-30	1.01	0.000529	± 2.5	PASS	
		VN	-20	1.96	0.001028	± 2.5	PASS	
		VN	-10	2.92	0.001531	± 2.5	PASS	
		VN	0	3.01	0.001578	± 2.5	PASS	
		VN	10	3.37	0.001767	± 2.5	PASS	
		VN	20	-0.56	-0.000294	± 2.5	PASS	
		VN	30	3.57	0.001872	± 2.5	PASS	
		VN	40	4.98	0.002611	± 2.5	PASS	

		VN	50	-1.05	-0.000550	± 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	0.89	0.000480	± 2.5	PASS
		VN	TN	-1.07	-0.000577	± 2.5	PASS
		VH	TN	0.48	0.000259	± 2.5	PASS
	MCH	VL	TN	0.83	0.000441	± 2.5	PASS
		VN	TN	4.51	0.002399	± 2.5	PASS
		VH	TN	-0.47	-0.000250	± 2.5	PASS
	HCH	VL	TN	4.68	0.002457	± 2.5	PASS
		VN	TN	-1.34	-0.000703	± 2.5	PASS
		VH	TN	-0.81	-0.000425	± 2.5	PASS
16QAM	LCH	VL	TN	3.48	0.001876	± 2.5	PASS
		VN	TN	0.23	0.000124	± 2.5	PASS
		VH	TN	-0.07	-0.000038	± 2.5	PASS
	MCH	VL	TN	0.72	0.000383	± 2.5	PASS
		VN	TN	0.27	0.000144	± 2.5	PASS
		VH	TN	-1.62	-0.000862	± 2.5	PASS
	HCH	VL	TN	1.9	0.000997	± 2.5	PASS
		VN	TN	-0.57	-0.000299	± 2.5	PASS
		VH	TN	-1.48	-0.000777	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	2.3	0.001240	± 2.5	PASS
		VN	-20	-1.72	-0.000927	± 2.5	PASS
		VN	-10	-0.34	-0.000183	± 2.5	PASS
		VN	0	2.46	0.001326	± 2.5	PASS
		VN	10	4.99	0.002690	± 2.5	PASS
		VN	20	0.52	0.000280	± 2.5	PASS
		VN	30	1.93	0.001040	± 2.5	PASS
		VN	40	0.18	0.000097	± 2.5	PASS
		VN	50	2.56	0.001380	± 2.5	PASS
	MCH	VN	-30	0.87	0.000463	± 2.5	PASS
		VN	-20	-0.28	-0.000149	± 2.5	PASS
		VN	-10	2.12	0.001128	± 2.5	PASS
		VN	0	4.95	0.002633	± 2.5	PASS

		VN	10	3.35	0.001782	± 2.5	PASS
		VN	20	-1.99	-0.001059	± 2.5	PASS
		VN	30	-1.17	-0.000622	± 2.5	PASS
		VN	40	0.8	0.000426	± 2.5	PASS
		VN	50	-0.34	-0.000181	± 2.5	PASS
	HCH	VN	-30	4.24	0.002226	± 2.5	PASS
		VN	-20	4.19	0.002199	± 2.5	PASS
		VN	-10	-0.46	-0.000241	± 2.5	PASS
		VN	0	0.44	0.000231	± 2.5	PASS
		VN	10	3.33	0.001748	± 2.5	PASS
		VN	20	3.63	0.001906	± 2.5	PASS
		VN	30	3.16	0.001659	± 2.5	PASS
		VN	40	3.48	0.001827	± 2.5	PASS
		VN	50	2.93	0.001538	± 2.5	PASS
		QPSK	LCH	VN	-30	0.51	0.000275
VN	-20			-1.44	-0.000776	± 2.5	PASS
VN	-10			0.97	0.000523	± 2.5	PASS
VN	0			1.19	0.000642	± 2.5	PASS
VN	10			-0.93	-0.000501	± 2.5	PASS
VN	20			4.48	0.002415	± 2.5	PASS
VN	30			3.07	0.001655	± 2.5	PASS
VN	40			2.1	0.001132	± 2.5	PASS
VN	50			4.92	0.002652	± 2.5	PASS
MCH	VN		-30	1.07	0.000569	± 2.5	PASS
	VN		-20	-0.13	-0.000069	± 2.5	PASS
	VN		-10	2.95	0.001569	± 2.5	PASS
	VN		0	2.64	0.001404	± 2.5	PASS
	VN		10	-1.76	-0.000936	± 2.5	PASS
	VN		20	-1.1	-0.000585	± 2.5	PASS
	VN		30	3.82	0.002032	± 2.5	PASS
	VN		40	4.31	0.002293	± 2.5	PASS
	VN		50	0.47	0.000250	± 2.5	PASS
HCH	VN		-30	4.24	0.002226	± 2.5	PASS
	VN		-20	4.12	0.002163	± 2.5	PASS
	VN		-10	4.93	0.002588	± 2.5	PASS
	VN		0	4.7	0.002467	± 2.5	PASS
	VN		10	0.86	0.000451	± 2.5	PASS
	VN		20	1.14	0.000598	± 2.5	PASS
	VN		30	2.51	0.001318	± 2.5	PASS
	VN		40	-1.85	-0.000971	± 2.5	PASS
	VN		50	-0.83	-0.000436	± 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	-1.78	-0.000958	± 2.5	PASS
		VN	TN	3.88	0.002089	± 2.5	PASS
		VH	TN	0.42	0.000226	± 2.5	PASS
	MCH	VL	TN	-1.26	-0.000670	± 2.5	PASS
		VN	TN	0.37	0.000197	± 2.5	PASS
		VH	TN	-0.88	-0.000468	± 2.5	PASS
	HCH	VL	TN	4.32	0.002271	± 2.5	PASS
		VN	TN	-1.29	-0.000678	± 2.5	PASS
		VH	TN	-1.07	-0.000562	± 2.5	PASS
16QAM	LCH	VL	TN	1.38	0.000743	± 2.5	PASS
		VN	TN	2.56	0.001378	± 2.5	PASS
		VH	TN	-1.91	-0.001028	± 2.5	PASS
	MCH	VL	TN	-0.07	-0.000037	± 2.5	PASS
		VN	TN	-1.94	-0.001032	± 2.5	PASS
		VH	TN	1.68	0.000894	± 2.5	PASS
	HCH	VL	TN	-1.66	-0.000873	± 2.5	PASS
		VN	TN	3.71	0.001950	± 2.5	PASS
		VH	TN	3.15	0.001656	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.75	0.002019	± 2.5	PASS
		VN	-20	3.2	0.001723	± 2.5	PASS
		VN	-10	0.46	0.000248	± 2.5	PASS
		VN	0	2.44	0.001314	± 2.5	PASS
		VN	10	0.3	0.000162	± 2.5	PASS
		VN	20	3.96	0.002132	± 2.5	PASS
		VN	30	2.33	0.001254	± 2.5	PASS
		VN	40	4.84	0.002606	± 2.5	PASS
	MCH	VN	50	1.34	0.000721	± 2.5	PASS
		VN	-30	4.74	0.002521	± 2.5	PASS
		VN	-20	2.9	0.001543	± 2.5	PASS
		VN	-10	-0.42	-0.000223	± 2.5	PASS
		VN	0	-1.81	-0.000963	± 2.5	PASS
		VN	10	4.78	0.002543	± 2.5	PASS
VN	20	3.29	0.001750	± 2.5	PASS		



		VN	30	-0.04	-0.000021	± 2.5	PASS
		VN	40	0.51	0.000271	± 2.5	PASS
		VN	50	4.07	0.002165	± 2.5	PASS
	HCH	VN	-30	-0.46	-0.000242	± 2.5	PASS
		VN	-20	1.87	0.000983	± 2.5	PASS
		VN	-10	0.35	0.000184	± 2.5	PASS
		VN	0	1.58	0.000830	± 2.5	PASS
		VN	10	0.75	0.000394	± 2.5	PASS
		VN	20	0.25	0.000131	± 2.5	PASS
		VN	30	4.09	0.002150	± 2.5	PASS
		VN	40	4.02	0.002113	± 2.5	PASS
		VN	50	0.27	0.000142	± 2.5	PASS
QPSK	LCH	VN	-30	2.48	0.001335	± 2.5	PASS
		VN	-20	-0.37	-0.000199	± 2.5	PASS
		VN	-10	3.76	0.002024	± 2.5	PASS
		VN	0	-1.25	-0.000673	± 2.5	PASS
		VN	10	-1.97	-0.001061	± 2.5	PASS
		VN	20	3.23	0.001739	± 2.5	PASS
		VN	30	2.12	0.001141	± 2.5	PASS
		VN	40	-1.69	-0.000910	± 2.5	PASS
		VN	50	-0.09	-0.000048	± 2.5	PASS
	MCH	VN	-30	2.42	0.001287	± 2.5	PASS
		VN	-20	0.8	0.000426	± 2.5	PASS
		VN	-10	2.25	0.001197	± 2.5	PASS
		VN	0	1.72	0.000915	± 2.5	PASS
		VN	10	-0.56	-0.000298	± 2.5	PASS
		VN	20	-1.76	-0.000936	± 2.5	PASS
		VN	30	0.48	0.000255	± 2.5	PASS
		VN	40	1.55	0.000824	± 2.5	PASS
		VN	50	-0.58	-0.000309	± 2.5	PASS
	HCH	VN	-30	3.01	0.001582	± 2.5	PASS
		VN	-20	2.32	0.001219	± 2.5	PASS
		VN	-10	2.57	0.001351	± 2.5	PASS
		VN	0	-1.5	-0.000788	± 2.5	PASS
		VN	10	2.29	0.001204	± 2.5	PASS
		VN	20	4.89	0.002570	± 2.5	PASS
		VN	30	-1.34	-0.000704	± 2.5	PASS
		VN	40	2.54	0.001335	± 2.5	PASS
		VN	50	0.44	0.000231	± 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	-0.74	-0.000398	± 2.5	PASS
		VN	TN	0.23	0.000124	± 2.5	PASS
		VH	TN	-1.12	-0.000602	± 2.5	PASS
	MCH	VL	TN	-0.97	-0.000516	± 2.5	PASS
		VN	TN	3.85	0.002048	± 2.5	PASS
		VH	TN	2.83	0.001505	± 2.5	PASS
	HCH	VL	TN	1.11	0.000584	± 2.5	PASS
		VN	TN	1.1	0.000579	± 2.5	PASS
		VH	TN	0.71	0.000374	± 2.5	PASS
16QAM	LCH	VL	TN	-0.46	-0.000247	± 2.5	PASS
		VN	TN	-0.03	-0.000016	± 2.5	PASS
		VH	TN	4.02	0.002161	± 2.5	PASS
	MCH	VL	TN	-1.73	-0.000920	± 2.5	PASS
		VN	TN	-1.19	-0.000633	± 2.5	PASS
		VH	TN	4.98	0.002649	± 2.5	PASS
	HCH	VL	TN	0.35	0.000184	± 2.5	PASS
		VN	TN	3.7	0.001947	± 2.5	PASS
		VH	TN	-0.38	-0.000200	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.08	0.001118	± 2.5	PASS
		VN	-20	1.6	0.000860	± 2.5	PASS
		VN	-10	4.83	0.002597	± 2.5	PASS
		VN	0	-0.61	-0.000328	± 2.5	PASS
		VN	10	-1.84	-0.000989	± 2.5	PASS
		VN	20	4.75	0.002554	± 2.5	PASS
		VN	30	0.06	0.000032	± 2.5	PASS
		VN	40	-1.43	-0.000769	± 2.5	PASS
		VN	50	2.5	0.001344	± 2.5	PASS
	MCH	VN	-30	4.6	0.002447	± 2.5	PASS
		VN	-20	1.17	0.000622	± 2.5	PASS
		VN	-10	4.46	0.002372	± 2.5	PASS
		VN	0	-0.41	-0.000218	± 2.5	PASS
		VN	10	-0.98	-0.000521	± 2.5	PASS
		VN	20	0.32	0.000170	± 2.5	PASS

		VN	30	3.66	0.001947	± 2.5	PASS
		VN	40	2.78	0.001479	± 2.5	PASS
		VN	50	0.1	0.000053	± 2.5	PASS
	HCH	VN	-30	1.95	0.001026	± 2.5	PASS
		VN	-20	1.73	0.000911	± 2.5	PASS
		VN	-10	-1.28	-0.000674	± 2.5	PASS
		VN	0	3.05	0.001605	± 2.5	PASS
		VN	10	-0.69	-0.000363	± 2.5	PASS
		VN	20	2.35	0.001237	± 2.5	PASS
		VN	30	4.09	0.002153	± 2.5	PASS
		VN	40	3.47	0.001826	± 2.5	PASS
		VN	50	-1.78	-0.000937	± 2.5	PASS
QPSK	LCH	VN	-30	1.74	0.000935	± 2.5	PASS
		VN	-20	4.59	0.002468	± 2.5	PASS
		VN	-10	0.83	0.000446	± 2.5	PASS
		VN	0	-0.5	-0.000269	± 2.5	PASS
		VN	10	3.14	0.001688	± 2.5	PASS
		VN	20	1.75	0.000941	± 2.5	PASS
		VN	30	4.72	0.002538	± 2.5	PASS
		VN	40	-0.34	-0.000183	± 2.5	PASS
		VN	50	4.01	0.002156	± 2.5	PASS
	MCH	VN	-30	2.51	0.001335	± 2.5	PASS
		VN	-20	-1.79	-0.000952	± 2.5	PASS
		VN	-10	3.76	0.002000	± 2.5	PASS
		VN	0	0.07	0.000037	± 2.5	PASS
		VN	10	0.37	0.000197	± 2.5	PASS
		VN	20	1.08	0.000574	± 2.5	PASS
		VN	30	1.51	0.000803	± 2.5	PASS
		VN	40	2.72	0.001447	± 2.5	PASS
		VN	50	2.93	0.001559	± 2.5	PASS
	HCH	VN	-30	2.38	0.001253	± 2.5	PASS
		VN	-20	3.83	0.002016	± 2.5	PASS
		VN	-10	2.24	0.001179	± 2.5	PASS
		VN	0	4.08	0.002147	± 2.5	PASS
		VN	10	-0.13	-0.000068	± 2.5	PASS
		VN	20	-0.08	-0.000042	± 2.5	PASS
VN		30	0.05	0.000026	± 2.5	PASS	
VN		40	2.51	0.001321	± 2.5	PASS	
VN		50	0.93	0.000489	± 2.5	PASS	