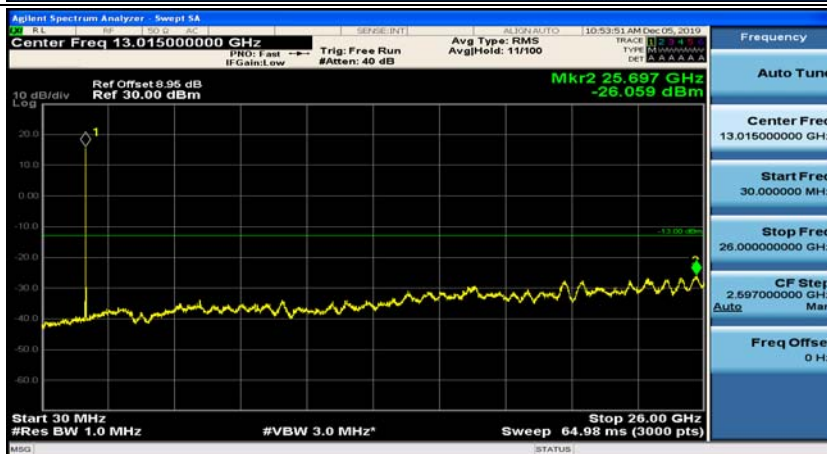
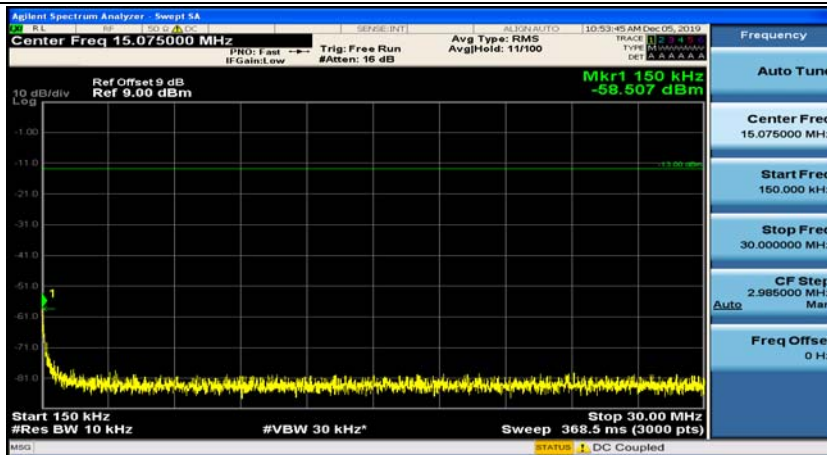
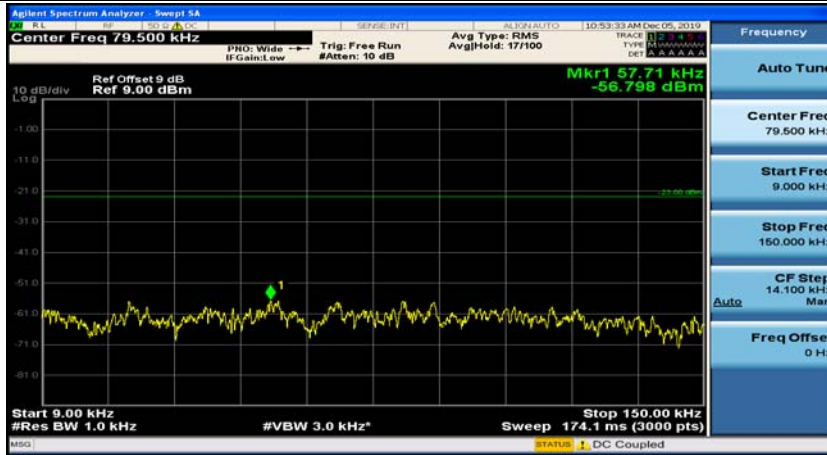
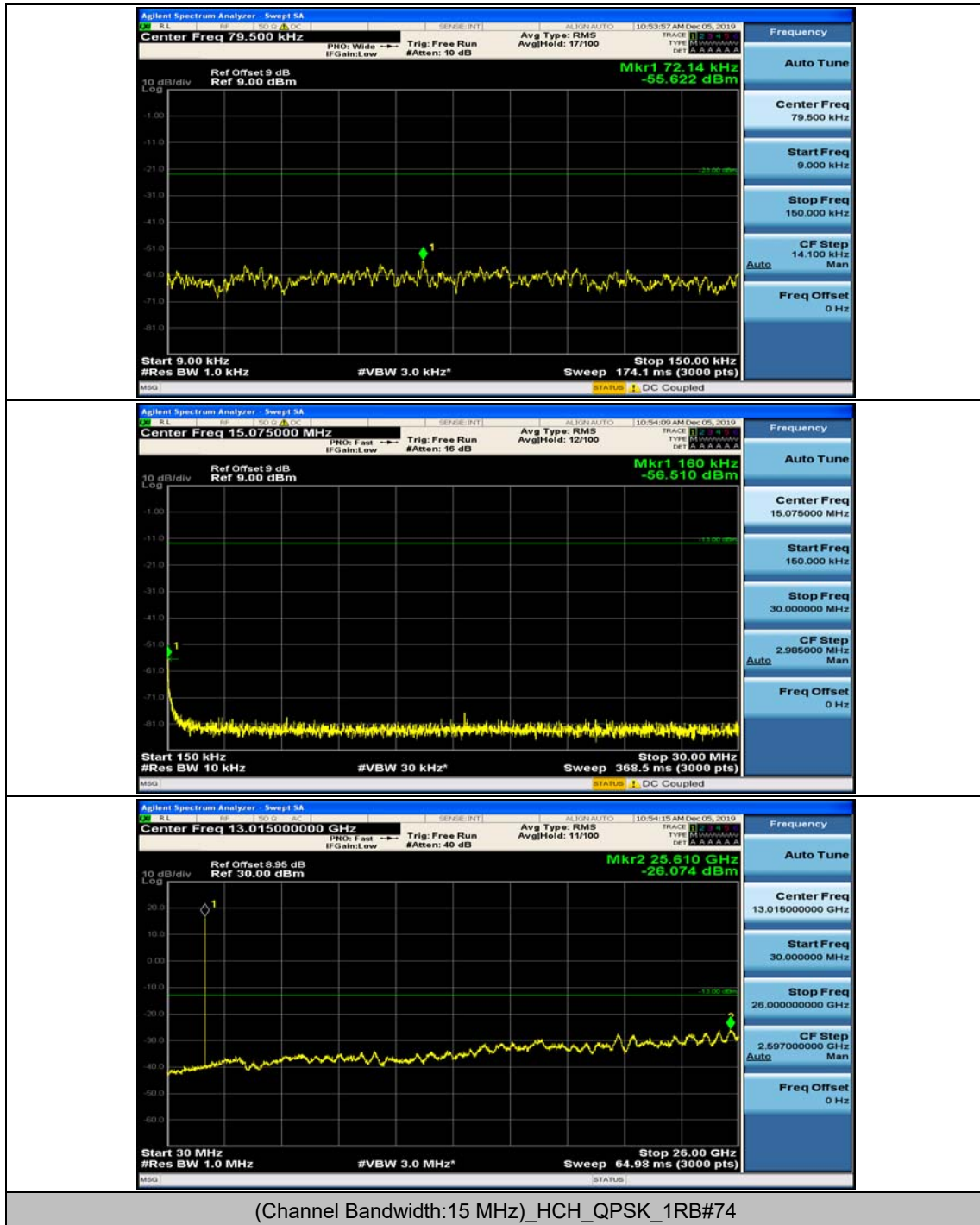
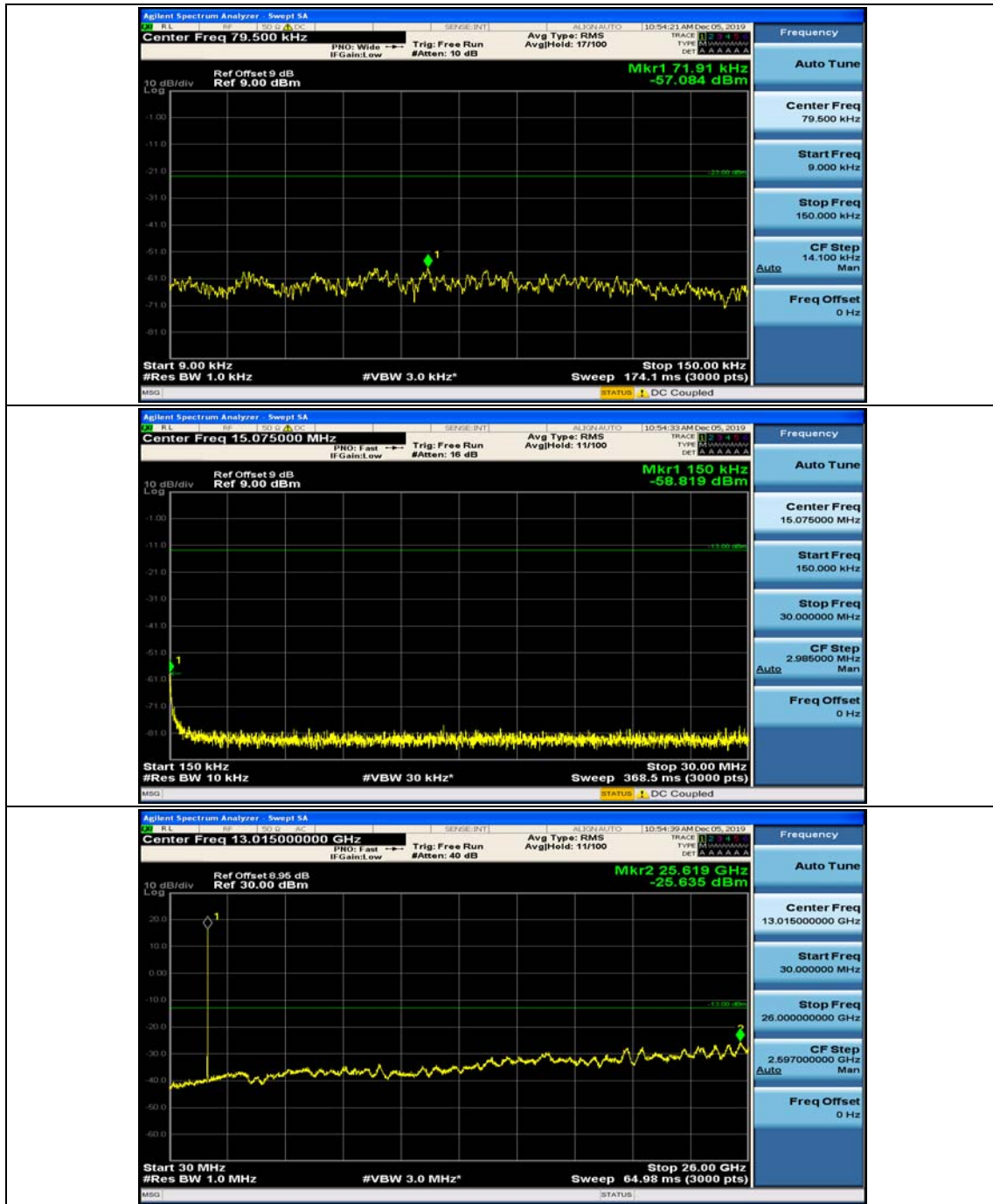


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

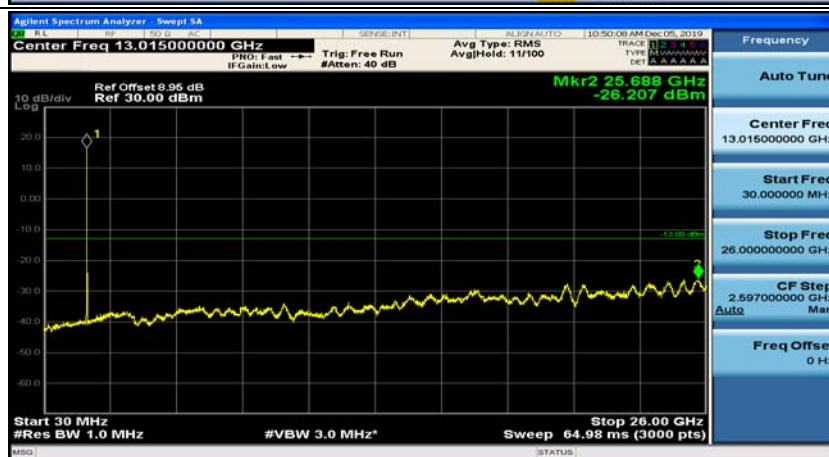
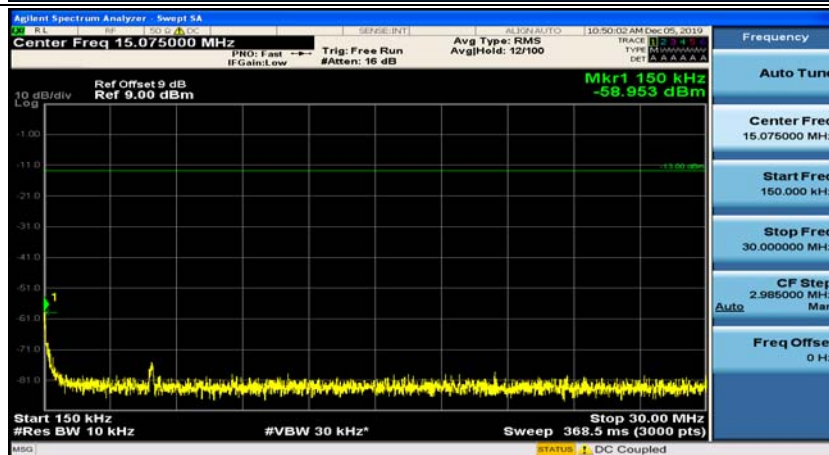
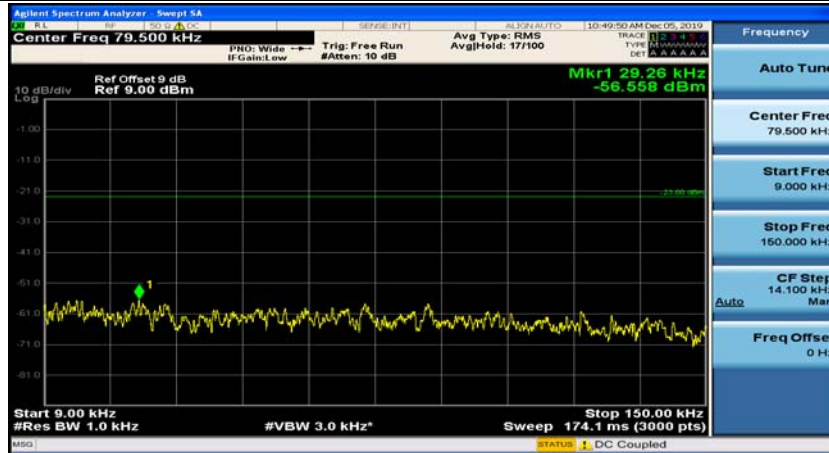


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

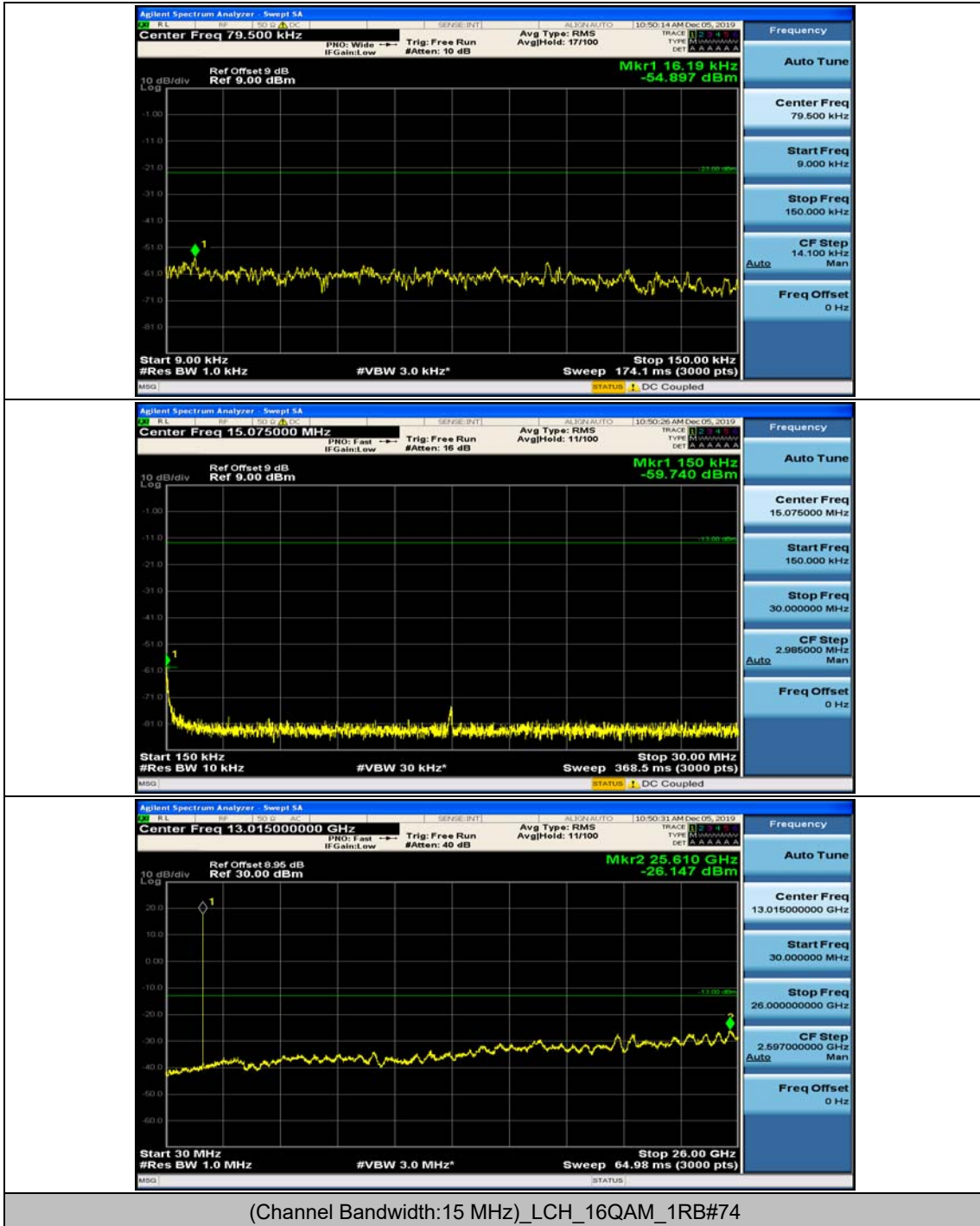


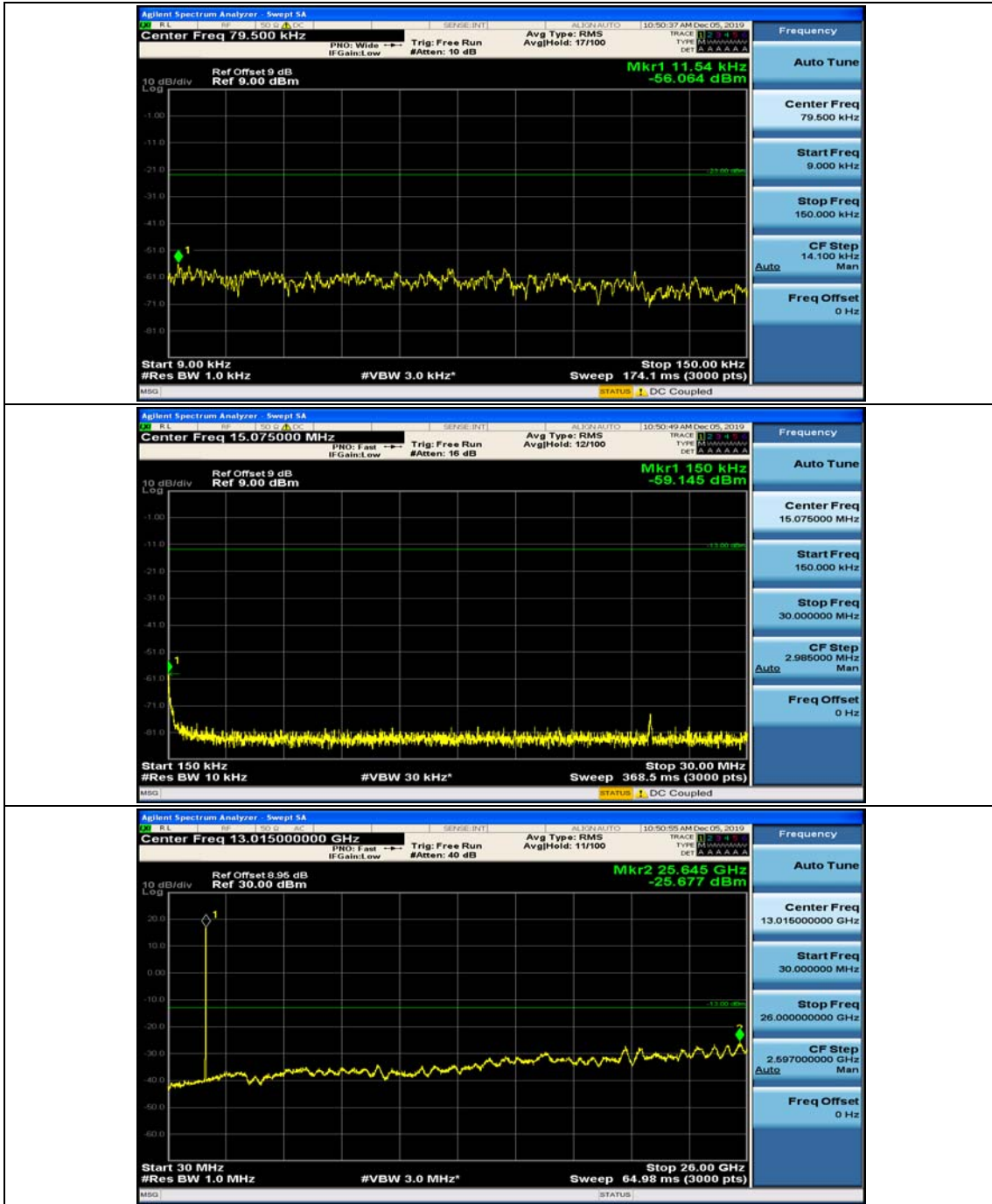


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

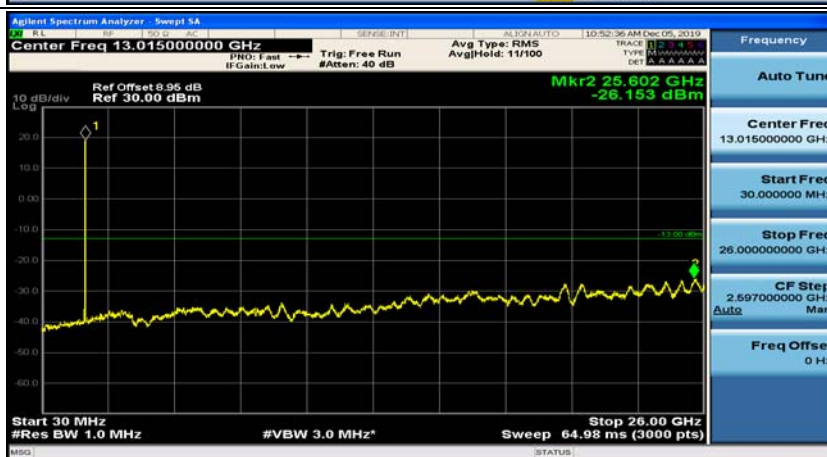
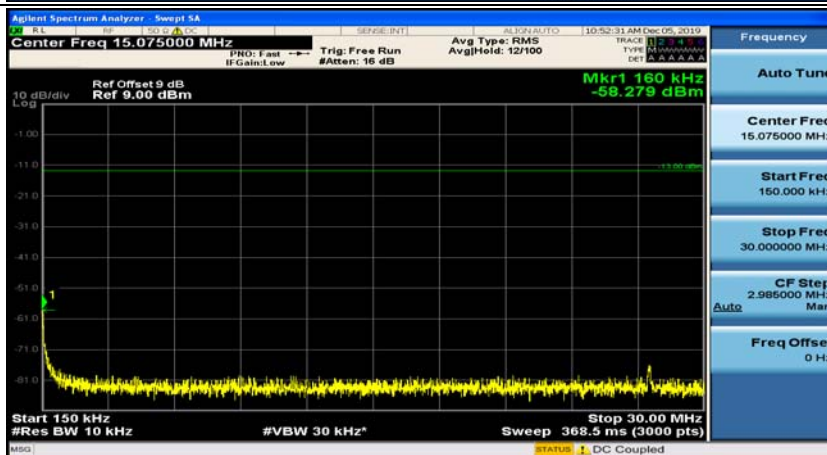
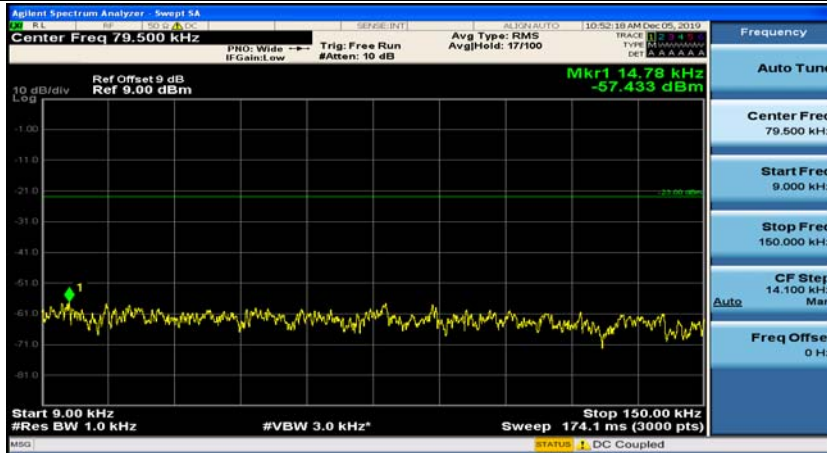


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

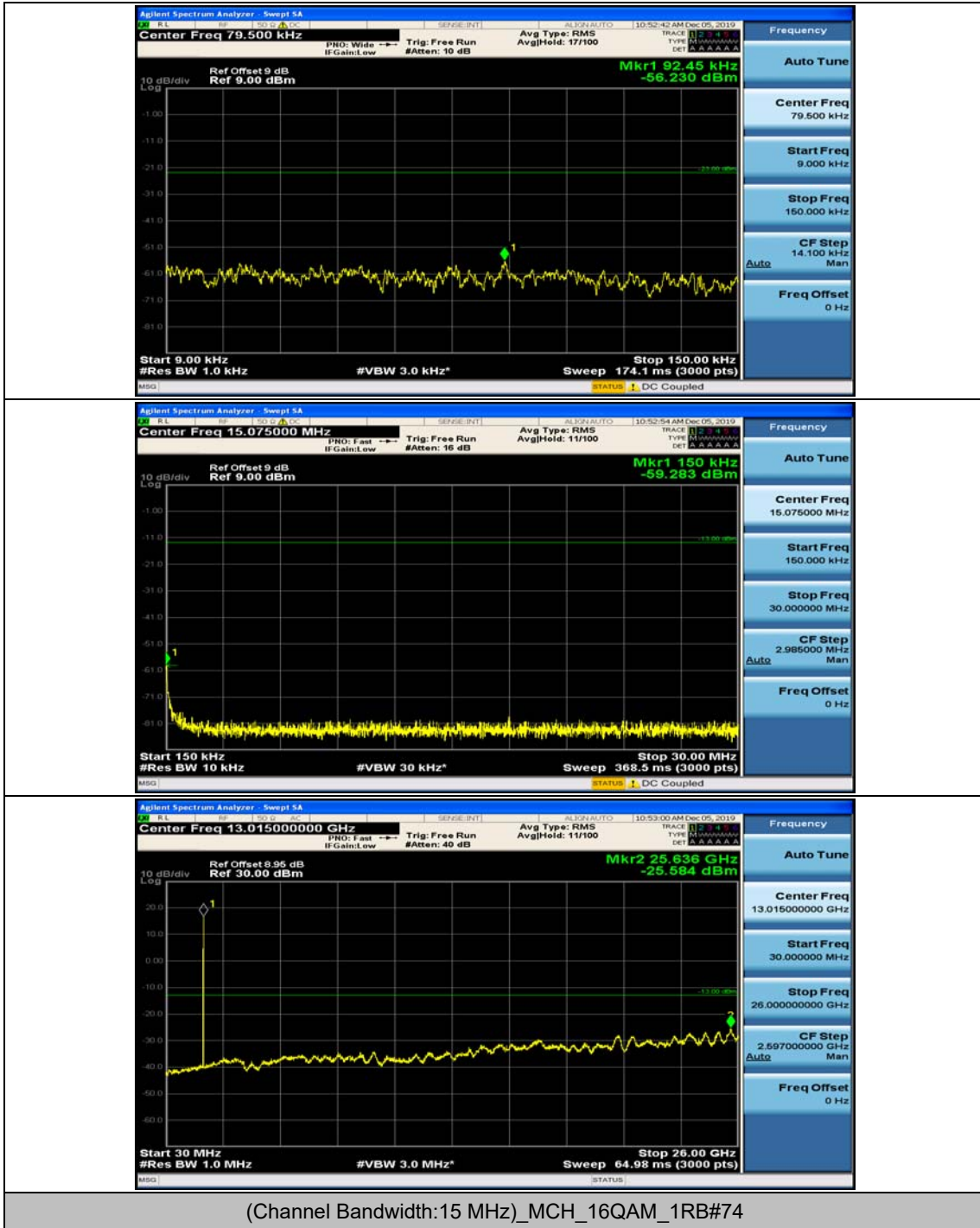


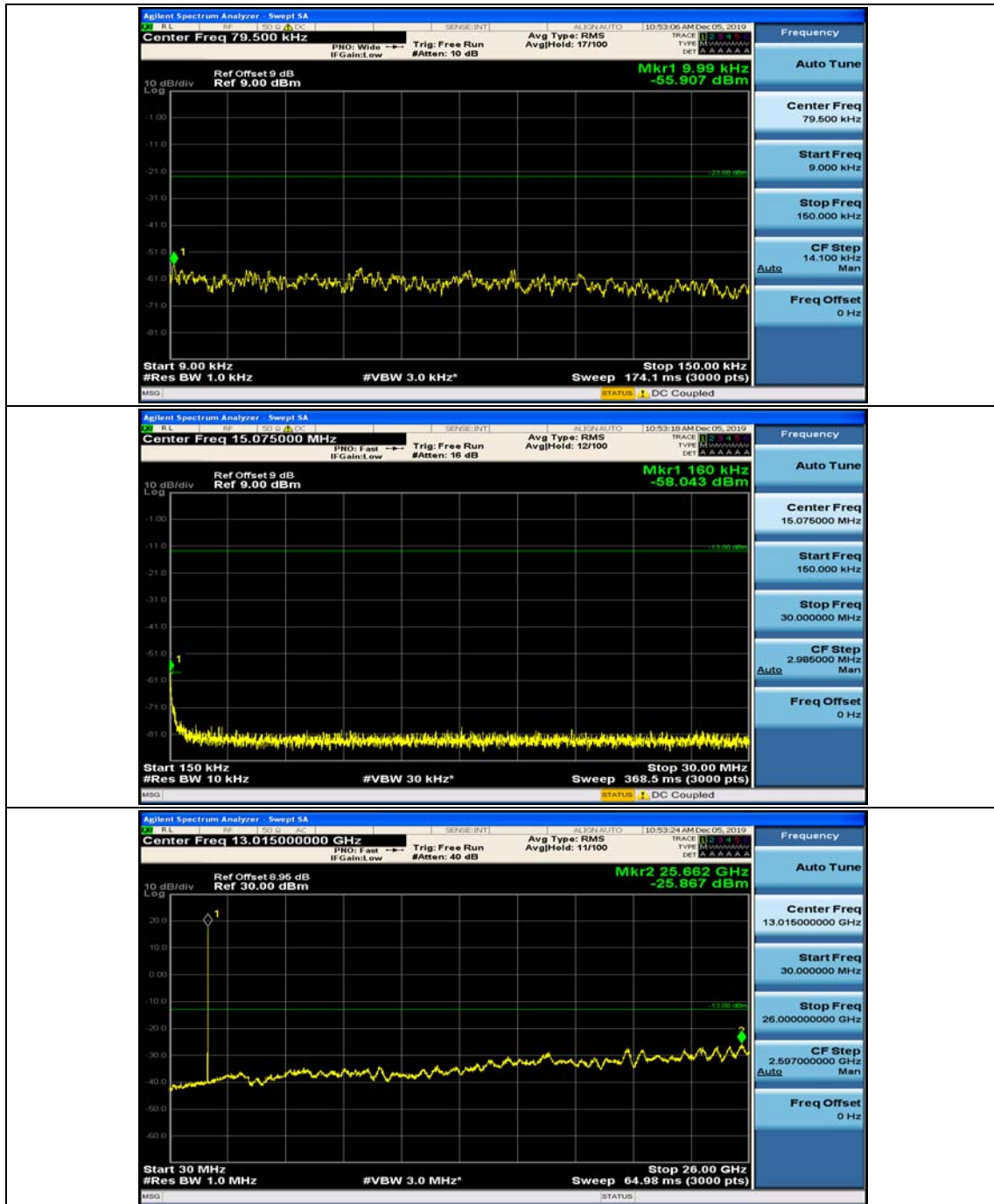


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

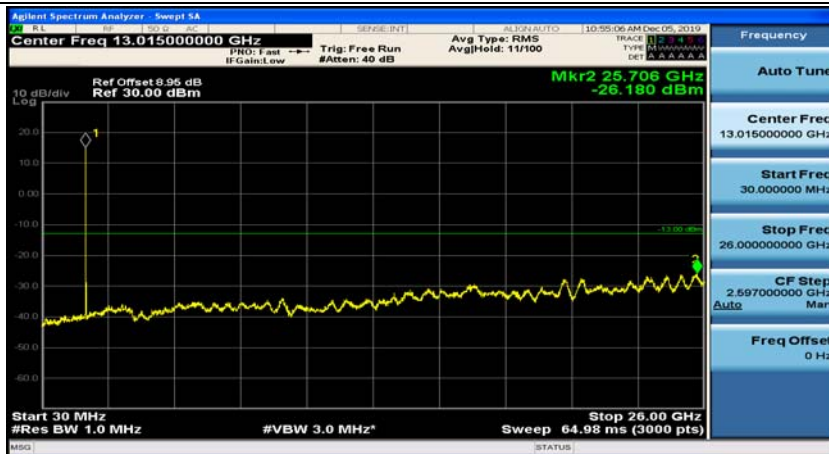
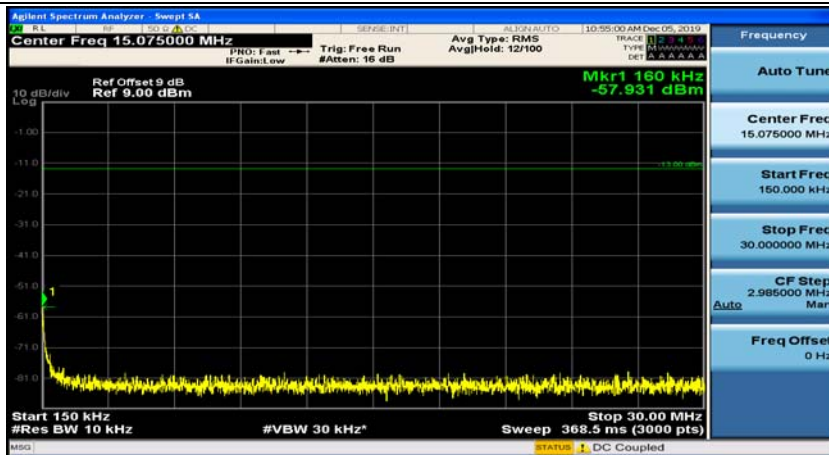
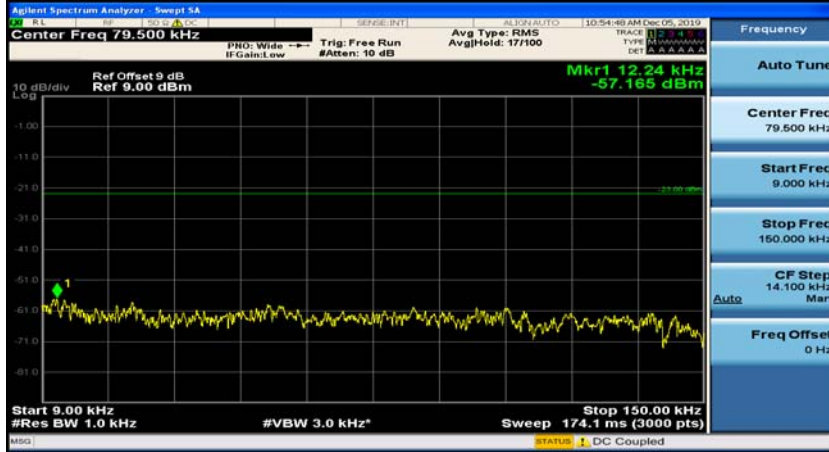


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

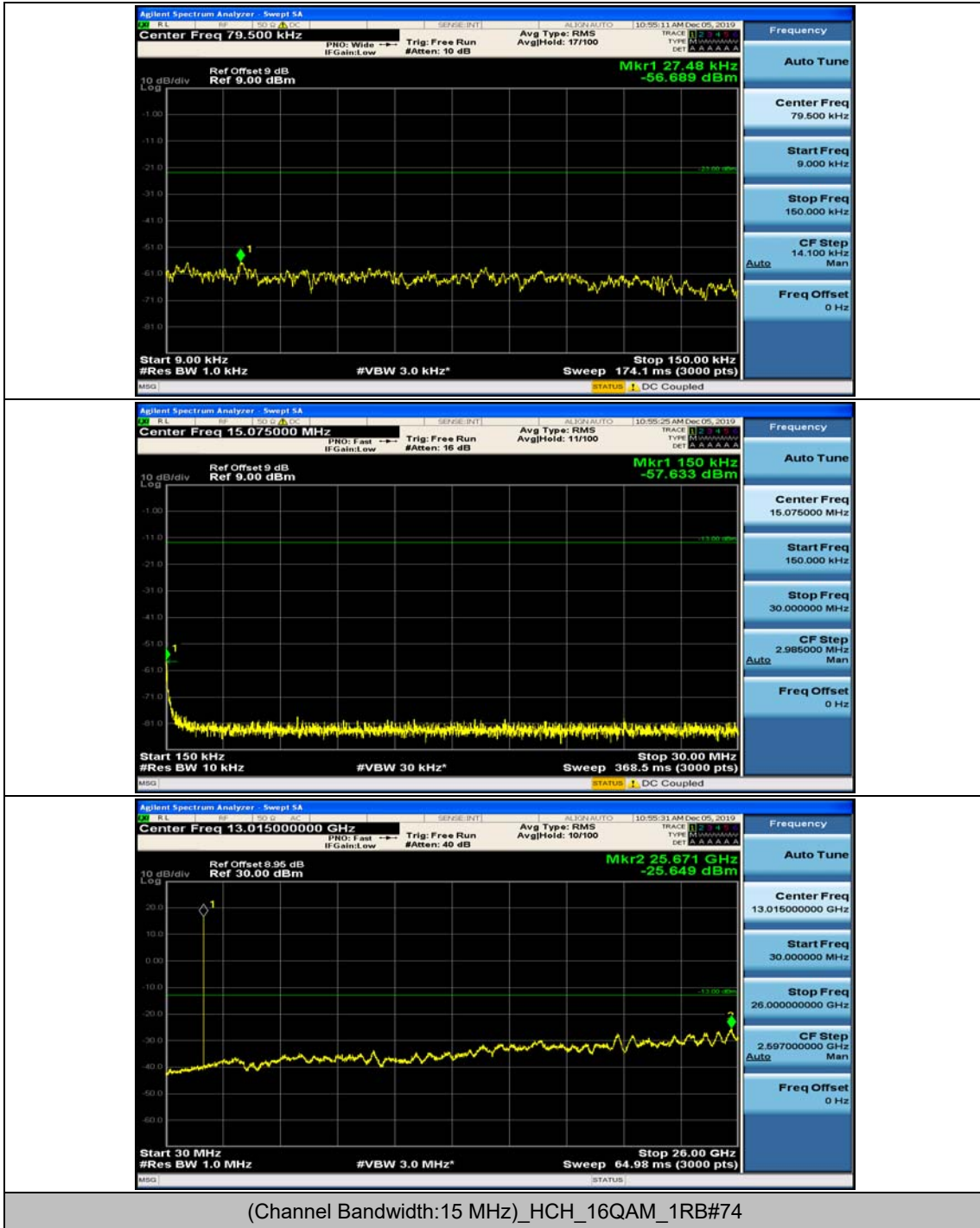


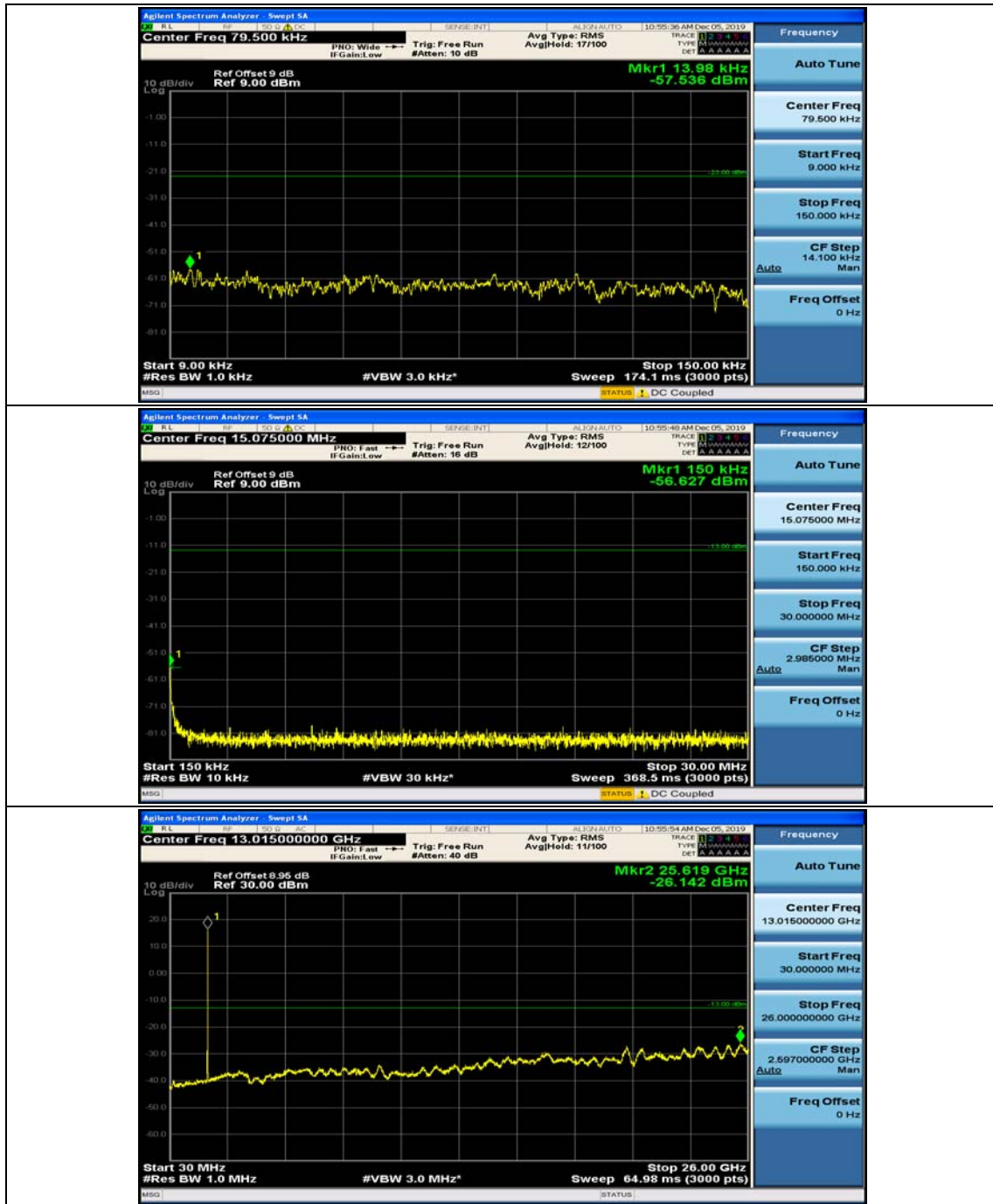


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

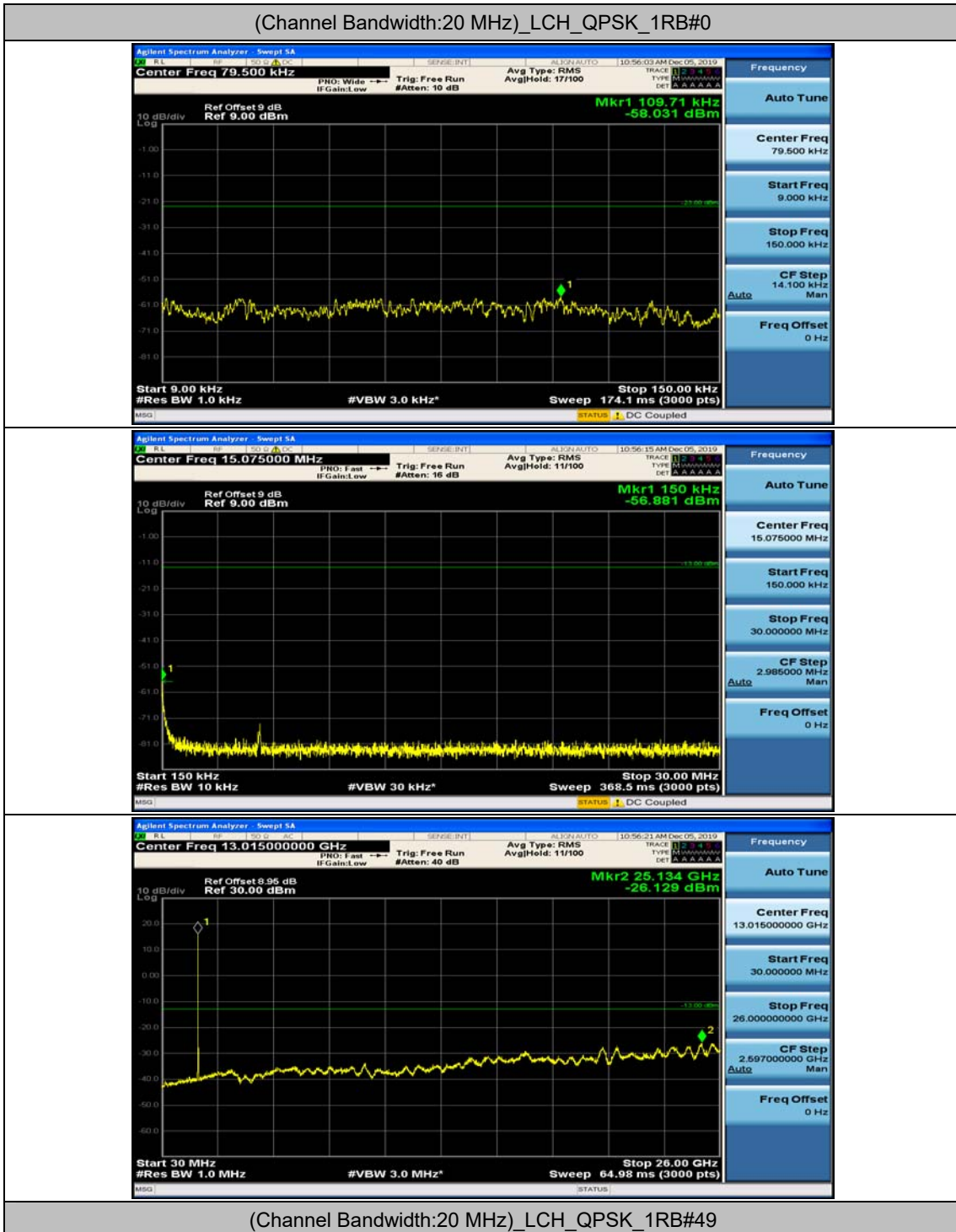


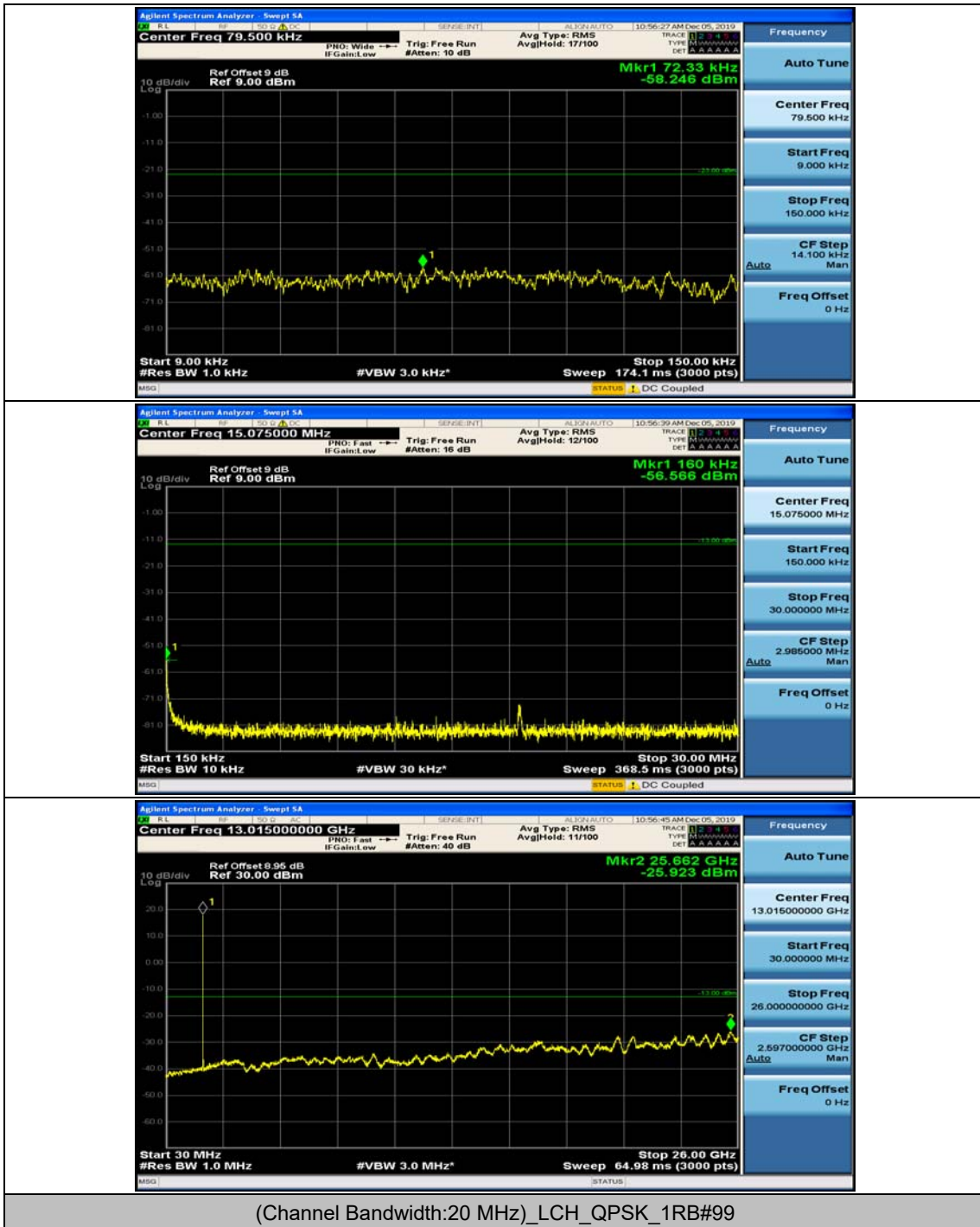
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

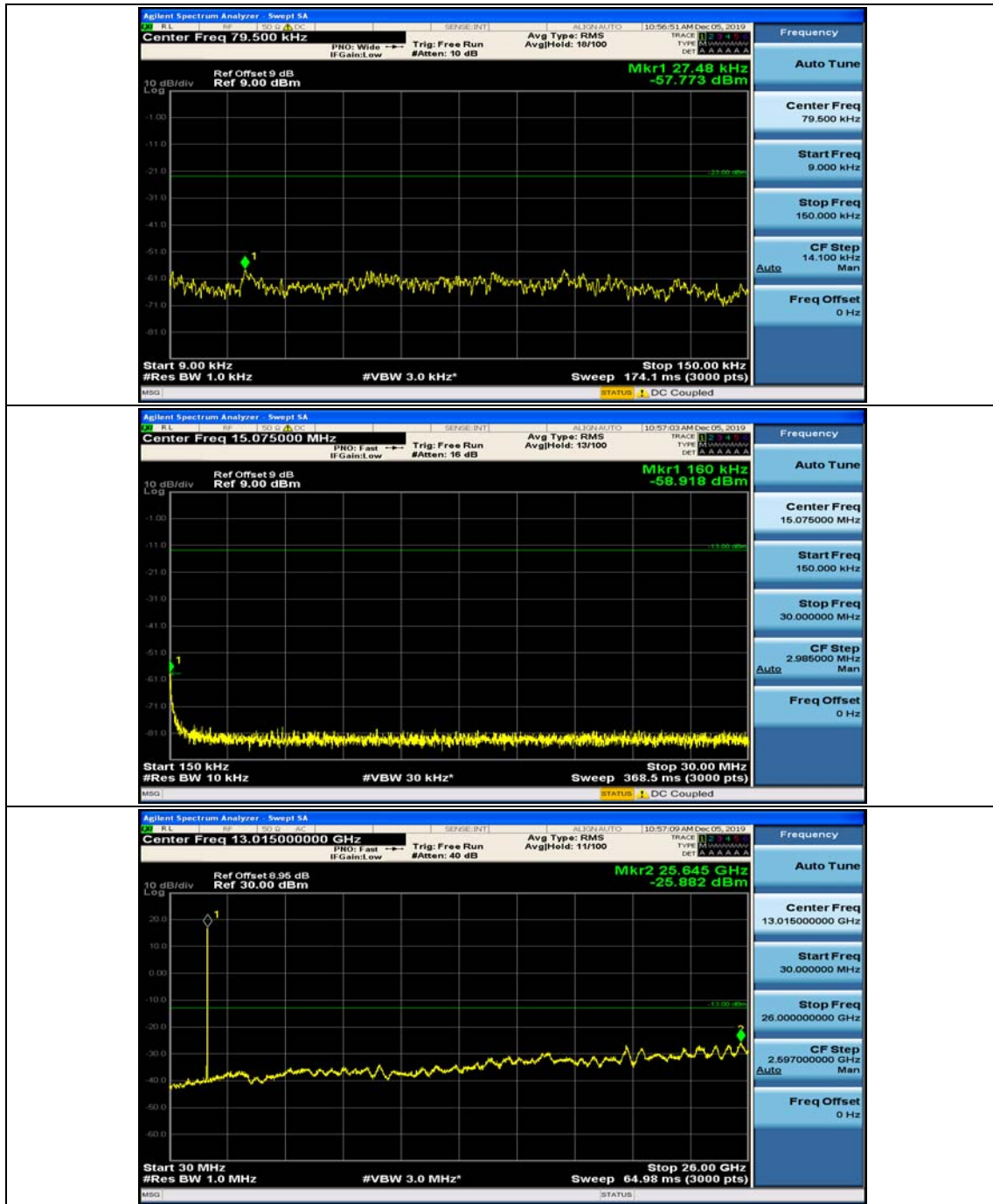




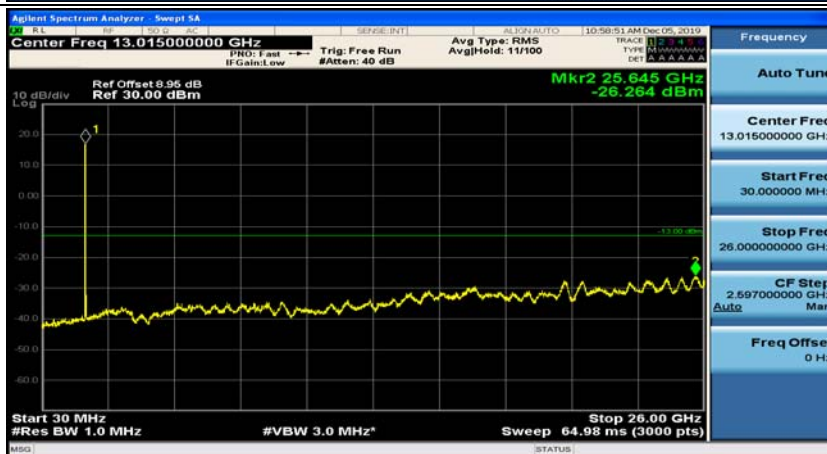
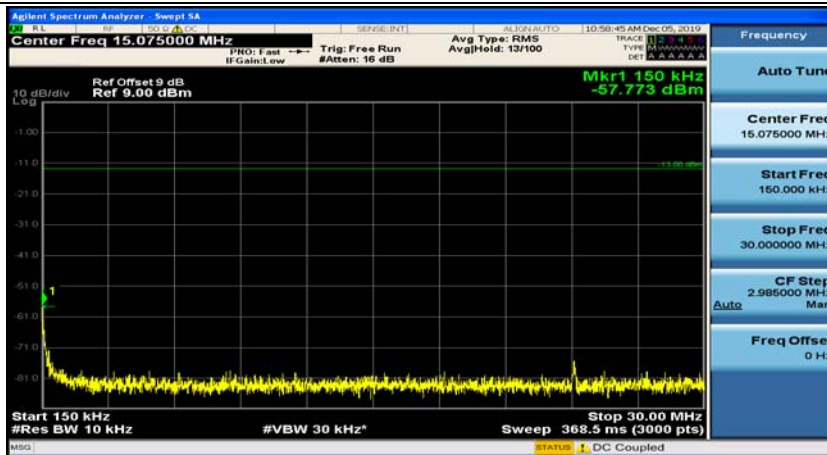
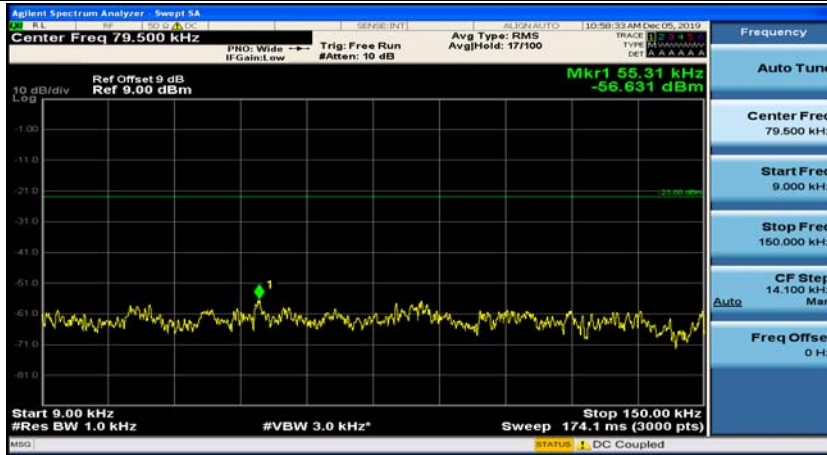
Channel Bandwidth: 20 MHz



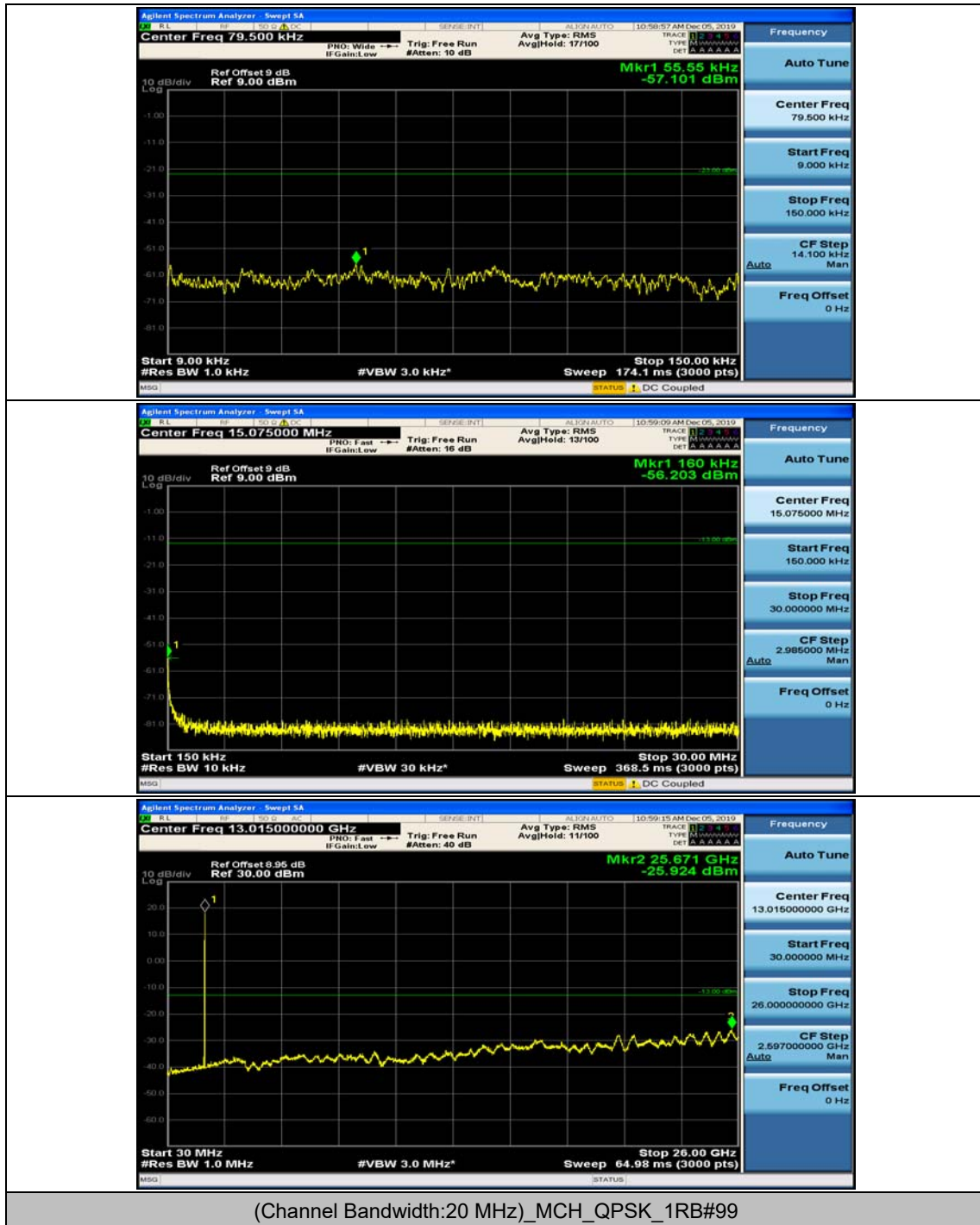


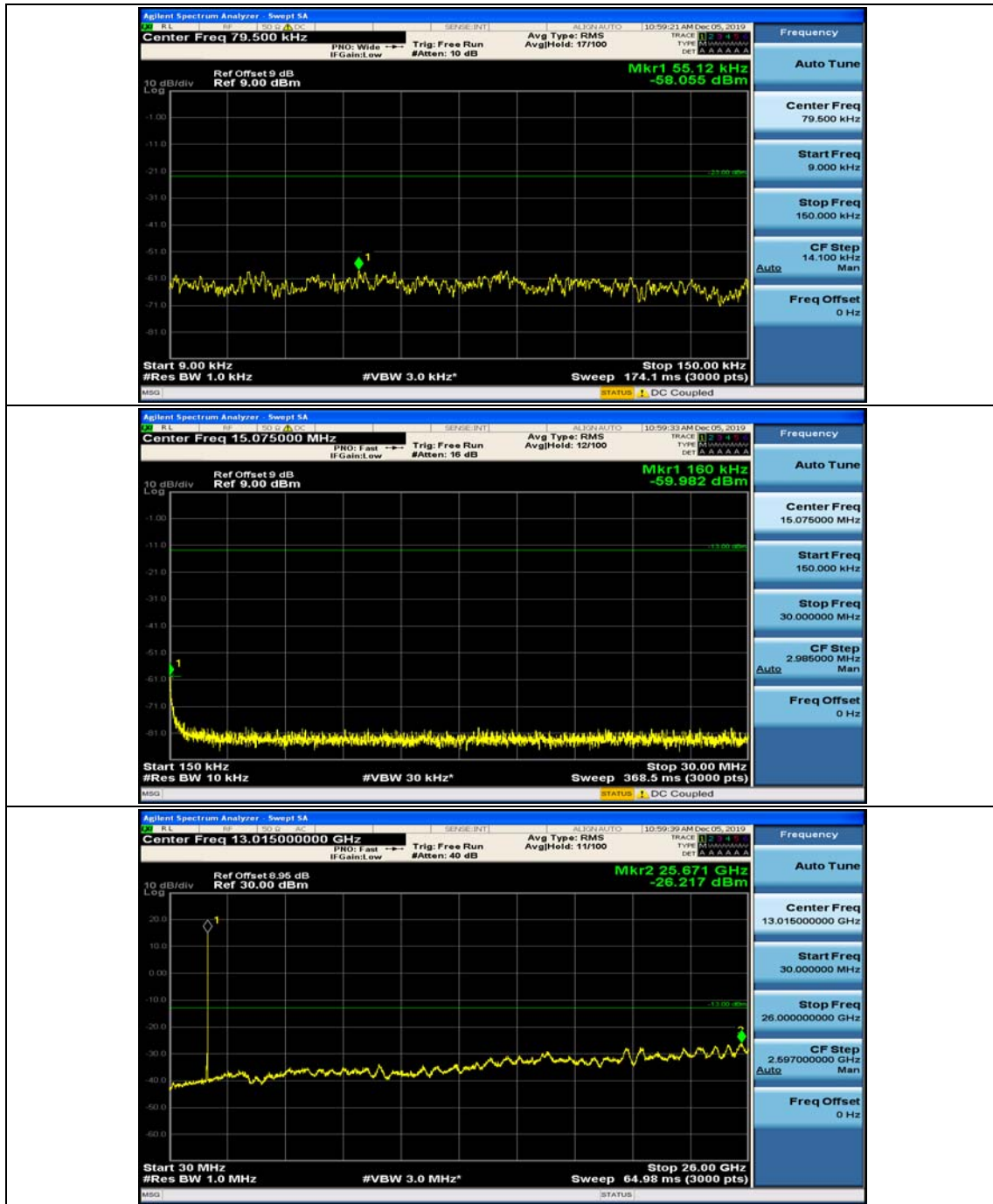


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

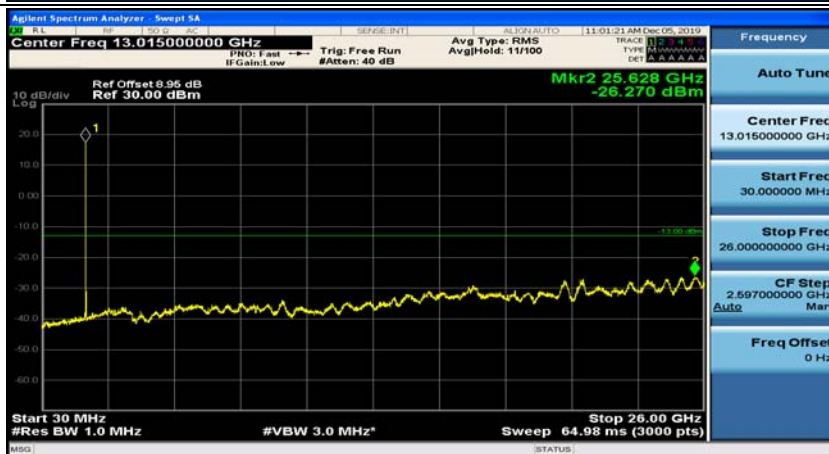
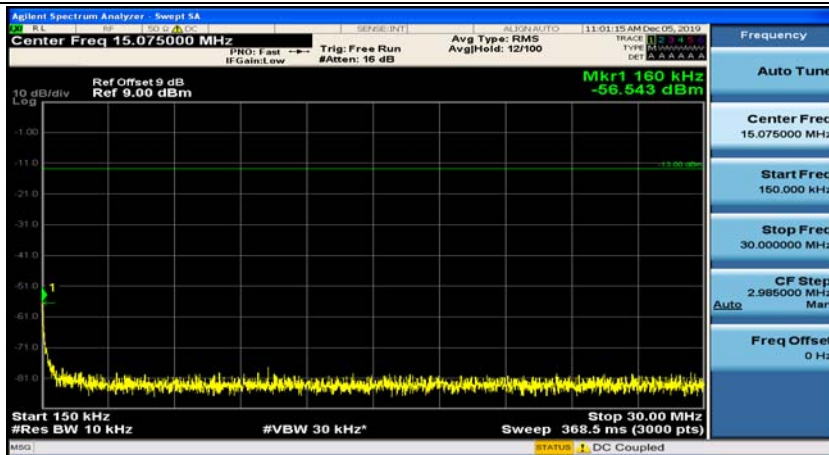
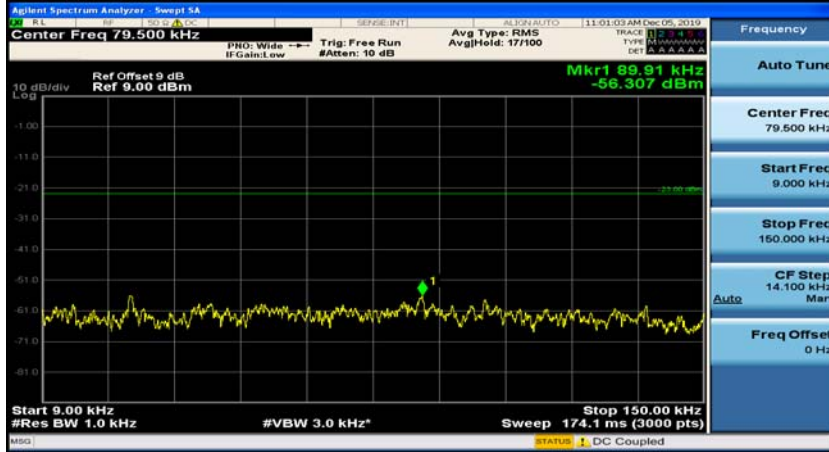


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

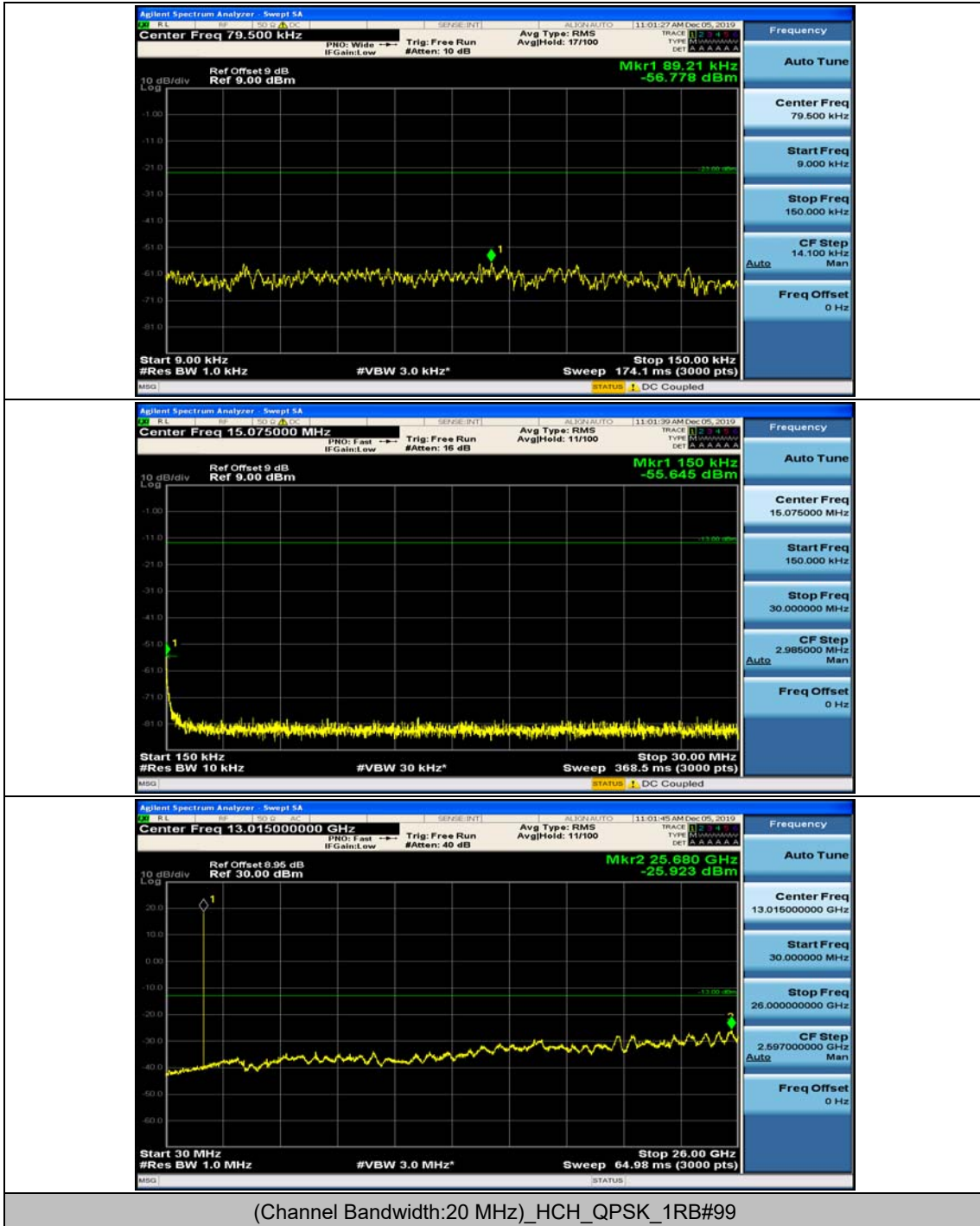


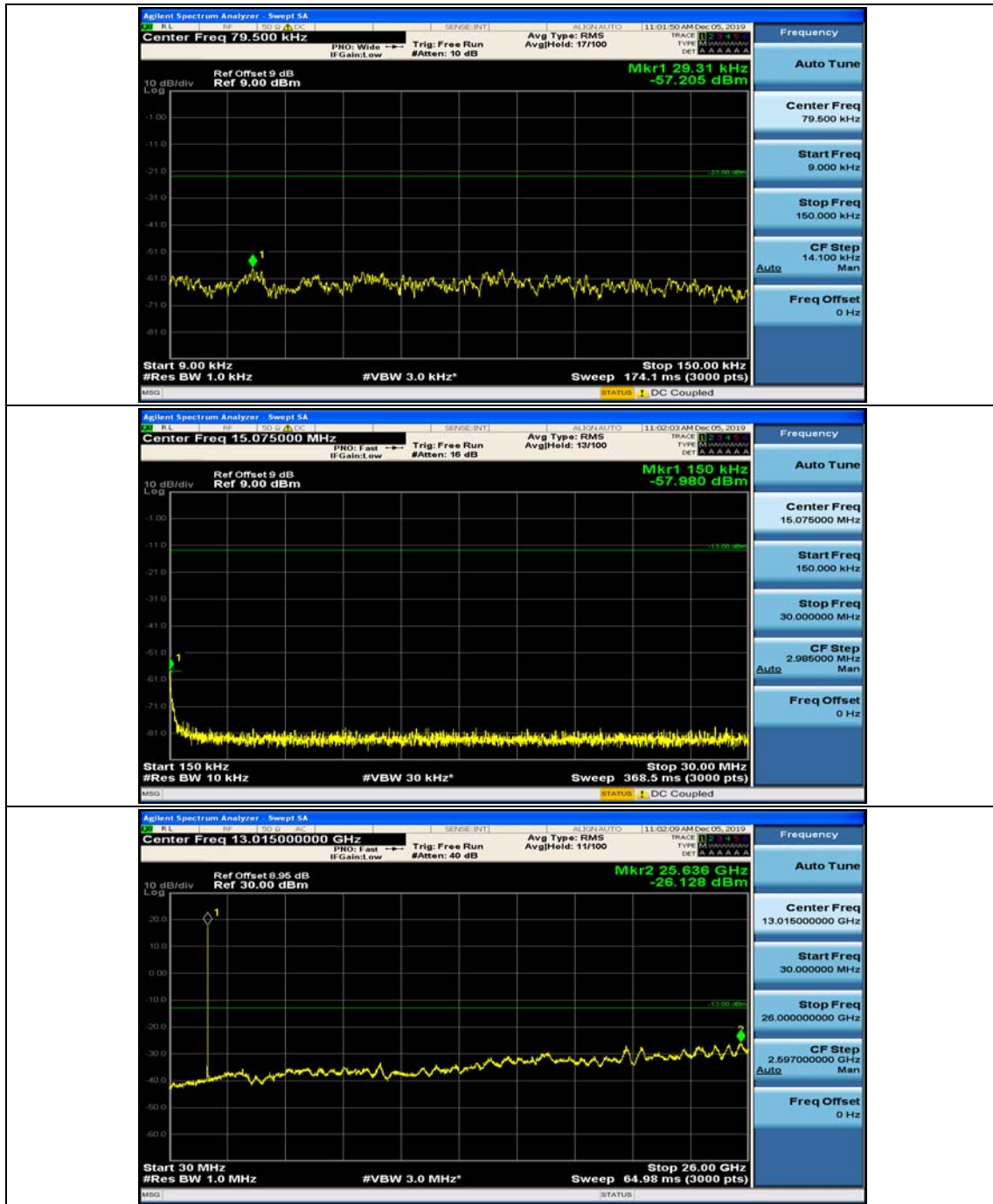


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

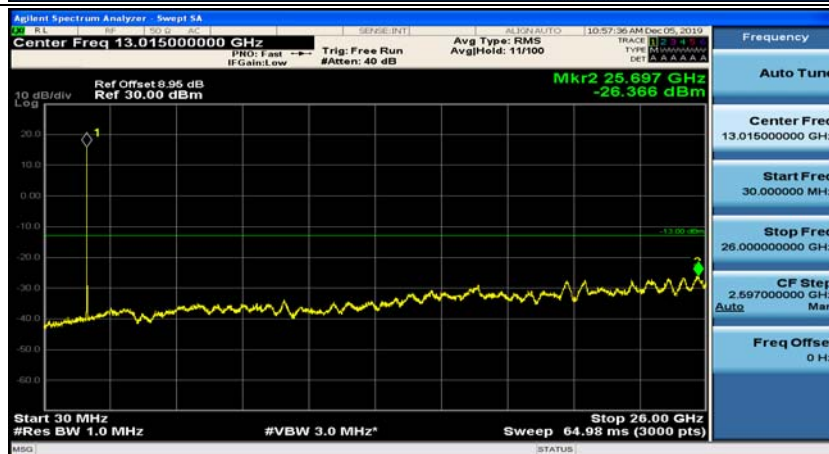
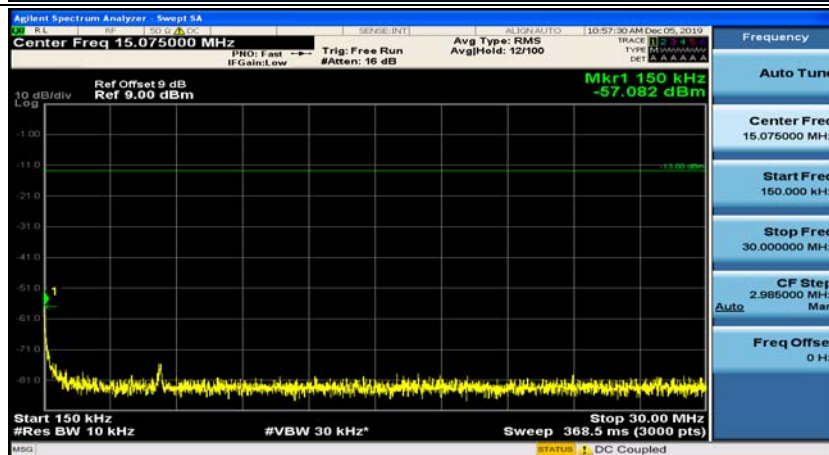


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

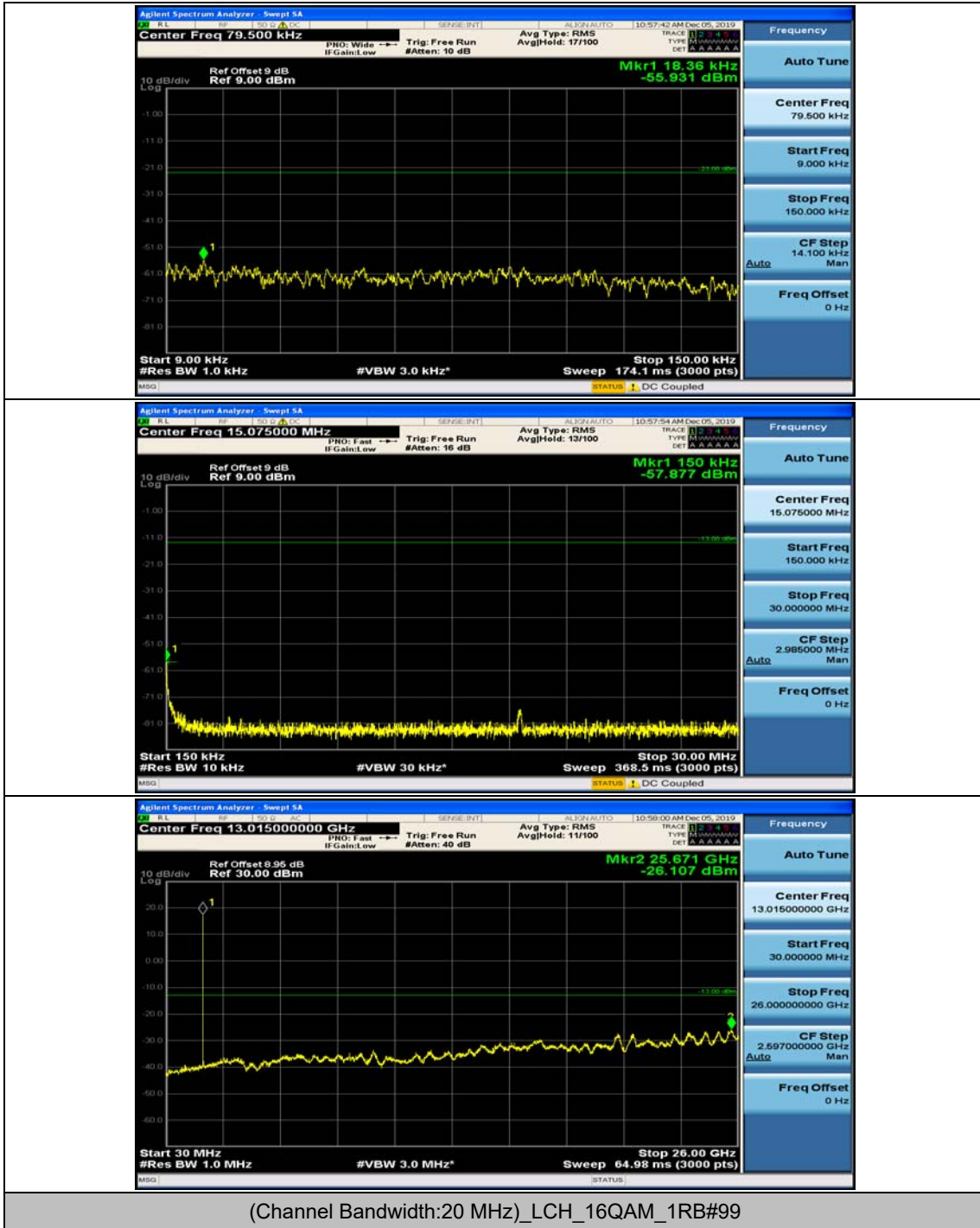


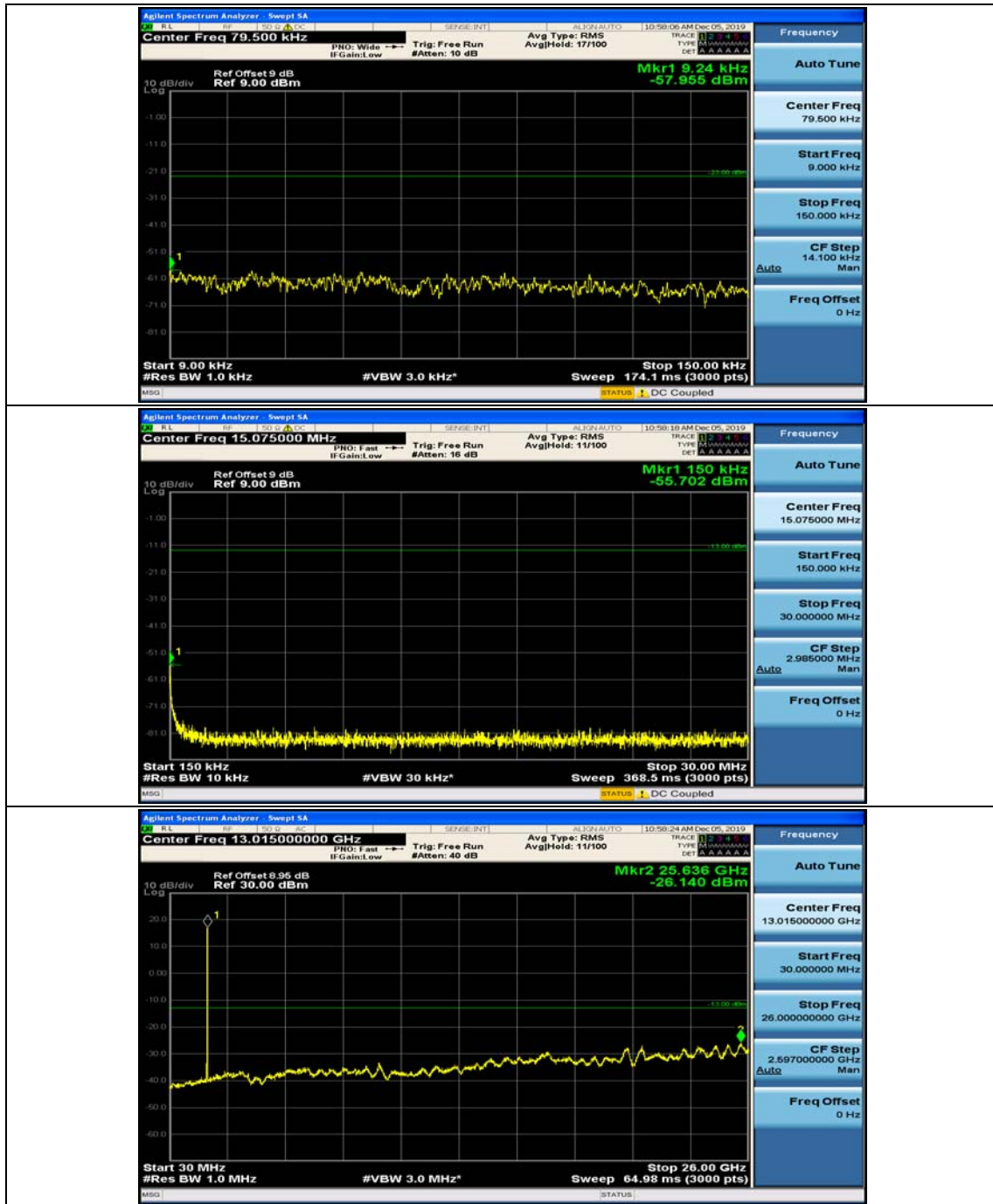


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

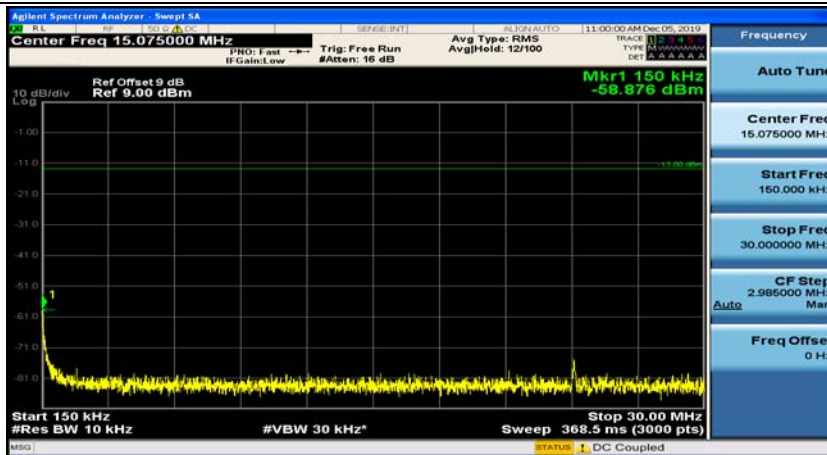
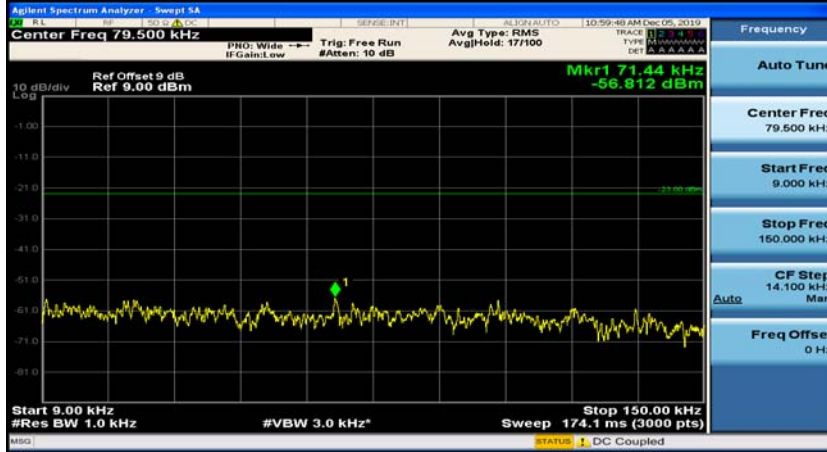


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

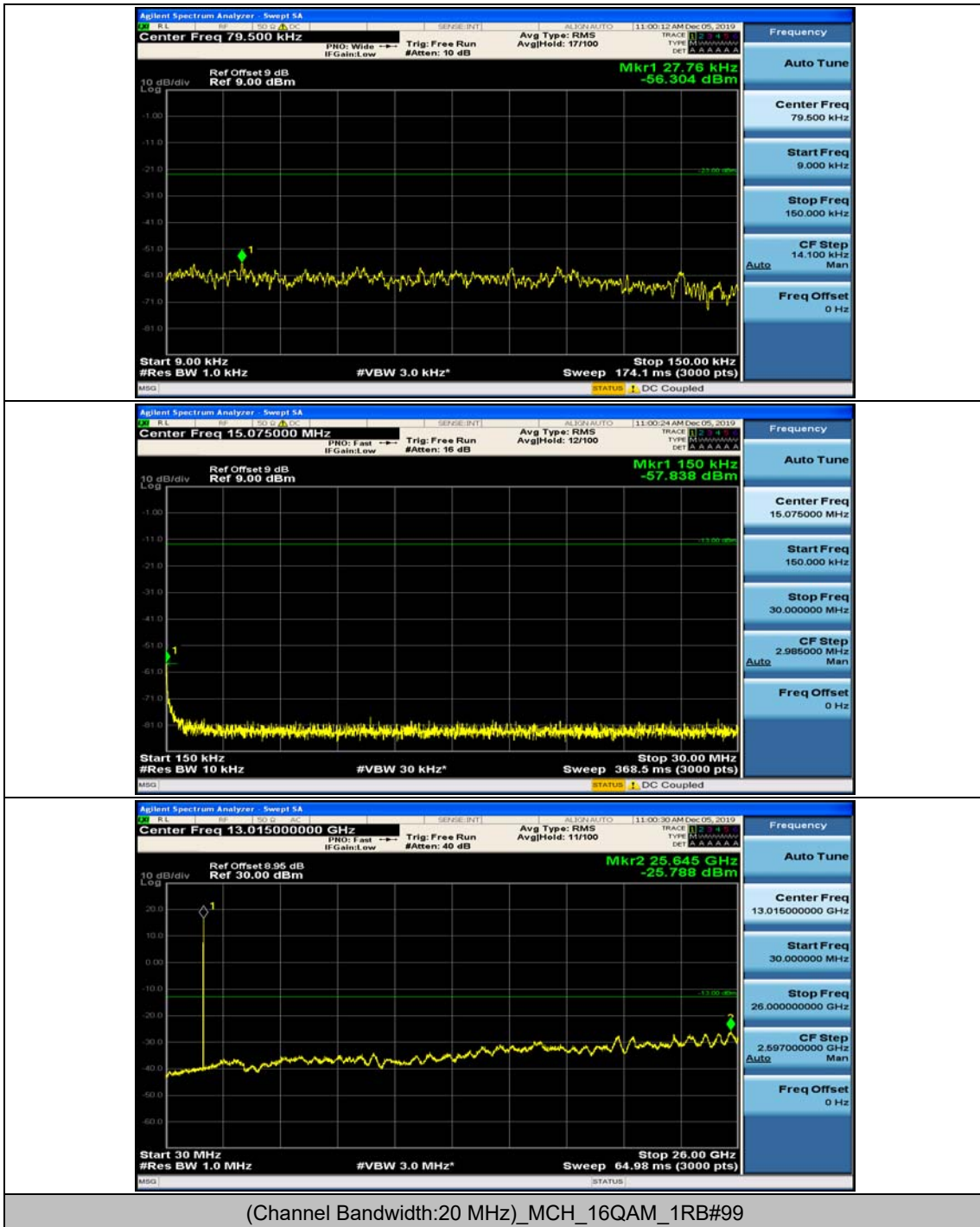


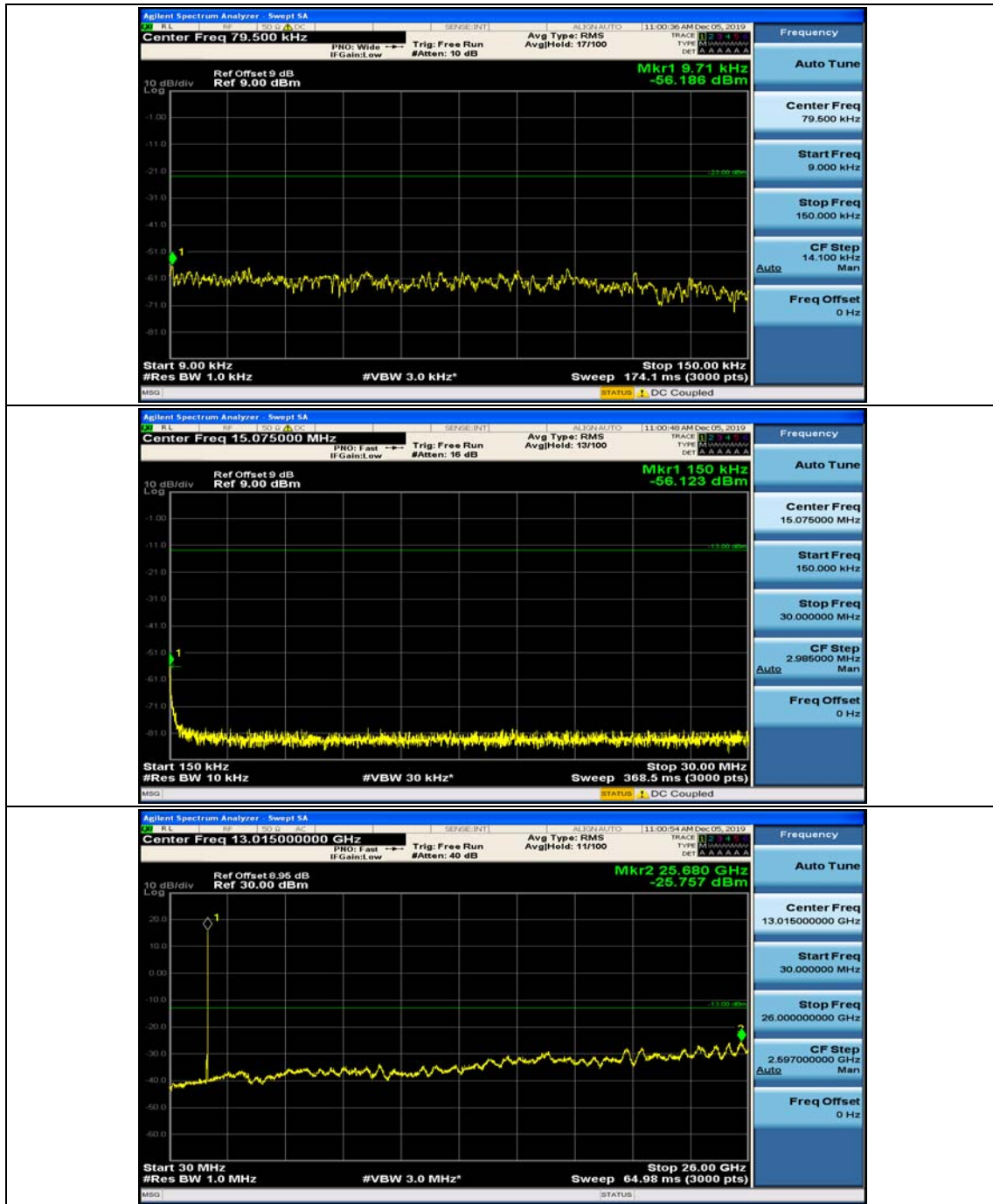


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

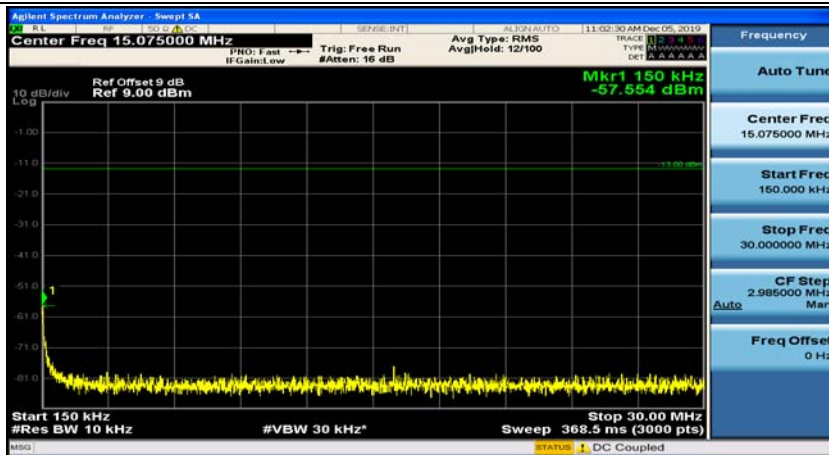


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

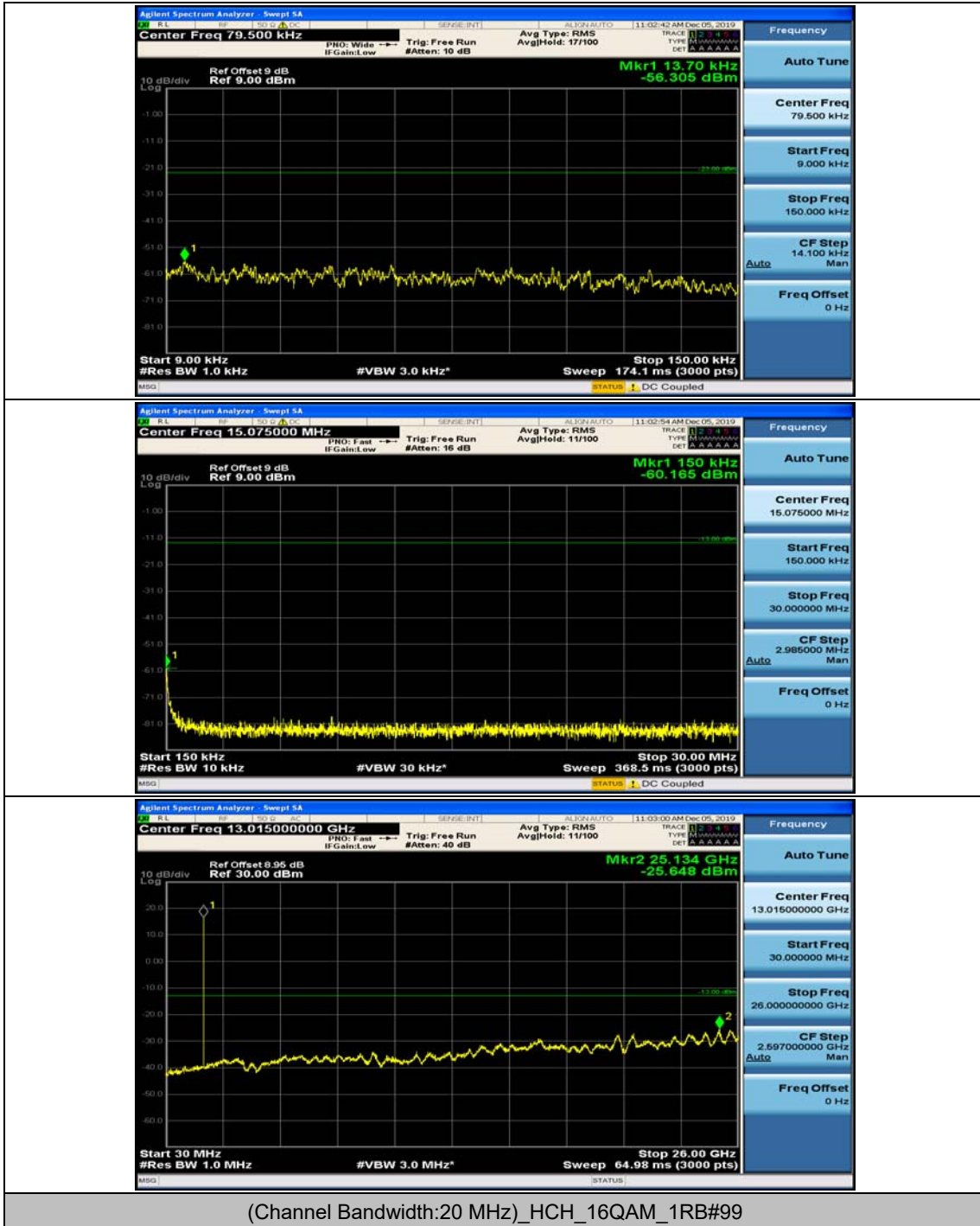


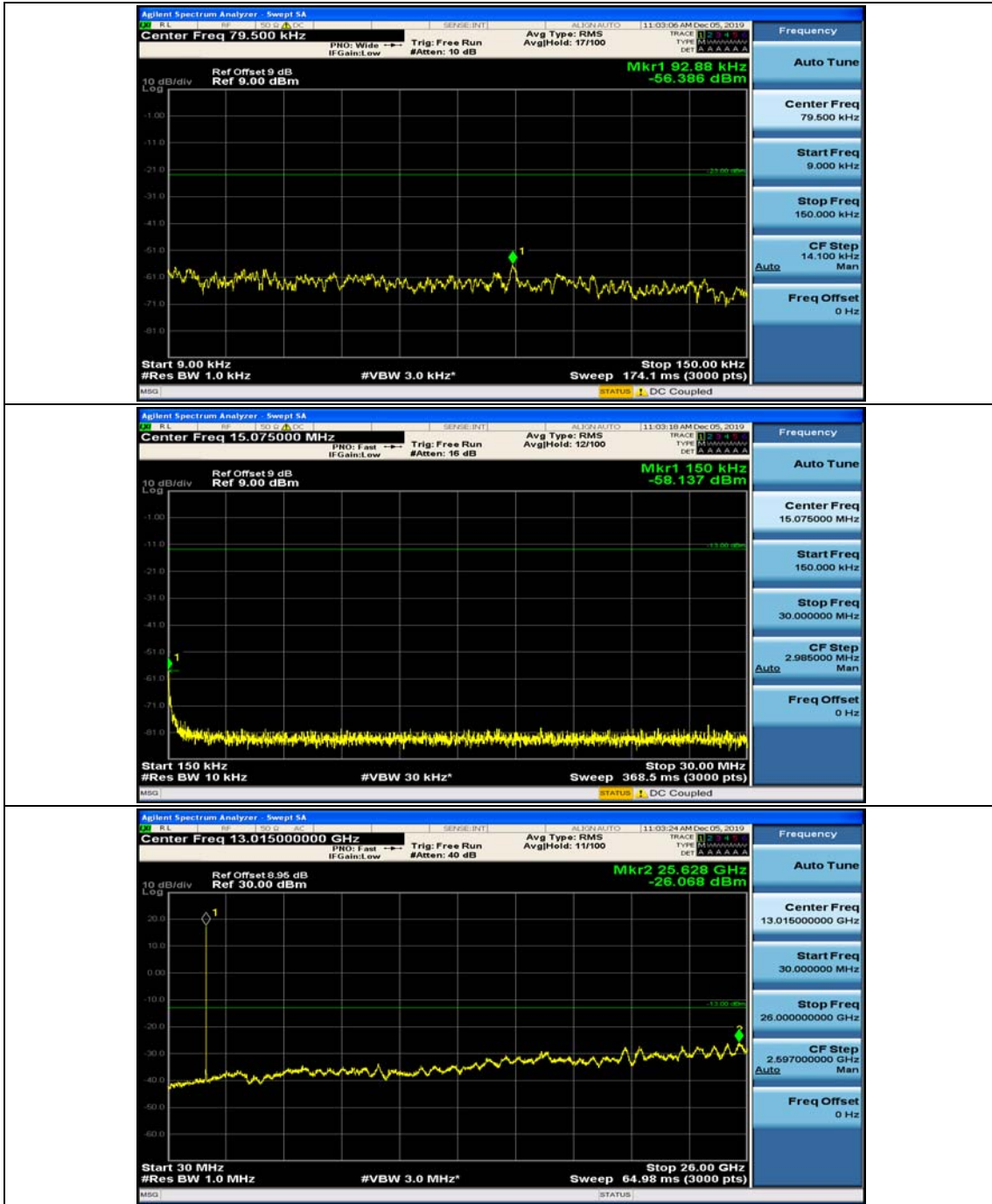


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	3.5	0.002046	± 2.5	PASS
		VN	TN	-1.63	-0.000953	± 2.5	PASS
		VH	TN	0.37	0.000216	± 2.5	PASS
	MCH	VL	TN	3.1	0.001789	± 2.5	PASS
		VN	TN	-1.63	-0.000941	± 2.5	PASS
		VH	TN	3.38	0.001951	± 2.5	PASS
	HCH	VL	TN	-0.08	-0.000046	± 2.5	PASS
		VN	TN	-1.32	-0.000752	± 2.5	PASS
		VH	TN	3.93	0.002240	± 2.5	PASS
16QAM	LCH	VL	TN	0.36	0.000210	± 2.5	PASS
		VN	TN	-0.56	-0.000327	± 2.5	PASS
		VH	TN	4.11	0.002403	± 2.5	PASS
	MCH	VL	TN	2.72	0.001570	± 2.5	PASS
		VN	TN	3.72	0.002147	± 2.5	PASS
		VH	TN	0.88	0.000508	± 2.5	PASS
	HCH	VL	TN	-1.15	-0.000656	± 2.5	PASS
		VN	TN	4.24	0.002417	± 2.5	PASS
		VH	TN	4.84	0.002759	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.64	0.000959	± 2.5	PASS
		VN	-20	1.04	0.000608	± 2.5	PASS
		VN	-10	-1.64	-0.000959	± 2.5	PASS
		VN	0	1.76	0.001029	± 2.5	PASS
		VN	10	4.67	0.002730	± 2.5	PASS
		VN	20	0.54	0.000316	± 2.5	PASS
		VN	30	2.44	0.001426	± 2.5	PASS
		VN	40	3.51	0.002052	± 2.5	PASS
		VN	50	-0.56	-0.000327	± 2.5	PASS
	MCH	VN	-30	-0.28	-0.000162	± 2.5	PASS

		VN	-20	4.66	0.002690	± 2.5	PASS
		VN	-10	-0.15	-0.000087	± 2.5	PASS
		VN	0	-0.74	-0.000427	± 2.5	PASS
		VN	10	4.42	0.002551	± 2.5	PASS
		VN	20	4.84	0.002794	± 2.5	PASS
		VN	30	4.87	0.002811	± 2.5	PASS
		VN	40	3.92	0.002263	± 2.5	PASS
		VN	50	0.83	0.000479	± 2.5	PASS
	HCH	VN	-30	1.28	0.000730	± 2.5	PASS
		VN	-20	-1.99	-0.001134	± 2.5	PASS
		VN	-10	2.91	0.001659	± 2.5	PASS
		VN	0	-0.18	-0.000103	± 2.5	PASS
		VN	10	3.67	0.002092	± 2.5	PASS
		VN	20	-0.56	-0.000319	± 2.5	PASS
		VN	30	-0.75	-0.000428	± 2.5	PASS
		VN	40	4.99	0.002844	± 2.5	PASS
		VN	50	0.84	0.000479	± 2.5	PASS
		16QAM	LCH	VN	-30	-0.2	-0.000117
VN	-20			-0.79	-0.000462	± 2.5	PASS
VN	-10			-0.75	-0.000438	± 2.5	PASS
VN	0			3.32	0.001941	± 2.5	PASS
VN	10			2.67	0.001561	± 2.5	PASS
VN	20			2.55	0.001491	± 2.5	PASS
VN	30			1.71	0.001000	± 2.5	PASS
VN	40			1.97	0.001152	± 2.5	PASS
VN	50			4.88	0.002853	± 2.5	PASS
MCH	VN		-30	2.53	0.001442	± 2.5	PASS
	VN		-20	2.11	0.001203	± 2.5	PASS
	VN		-10	2.4	0.001368	± 2.5	PASS
	VN		0	2.61	0.001488	± 2.5	PASS
	VN		10	3.17	0.001807	± 2.5	PASS
	VN		20	-0.56	-0.000319	± 2.5	PASS
	VN		30	0.59	0.000336	± 2.5	PASS
	VN		40	4.34	0.002474	± 2.5	PASS
	VN		50	4.56	0.002599	± 2.5	PASS
HCH	VN		-30	3.85	0.002195	± 2.5	PASS
	VN		-20	1.5	0.000855	± 2.5	PASS
	VN		-10	4.09	0.002331	± 2.5	PASS
	VN		0	-0.21	-0.000120	± 2.5	PASS
	VN		10	2.03	0.001157	± 2.5	PASS
	VN		20	3.51	0.002001	± 2.5	PASS

		VN	30	-1.17	-0.000667	± 2.5	PASS
		VN	40	2.98	0.001699	± 2.5	PASS
		VN	50	0.34	0.000194	± 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	1.77	0.001034	± 2.5	PASS
		VN	TN	3.82	0.002232	± 2.5	PASS
		VH	TN	4.3	0.002512	± 2.5	PASS
	MCH	VL	TN	0.86	0.000496	± 2.5	PASS
		VN	TN	3.1	0.001789	± 2.5	PASS
		VH	TN	4.09	0.002361	± 2.5	PASS
	HCH	VL	TN	-0.21	-0.000120	± 2.5	PASS
		VN	TN	3.99	0.002275	± 2.5	PASS
		VH	TN	1.46	0.000833	± 2.5	PASS
16QAM	LCH	VL	TN	2.82	0.001648	± 2.5	PASS
		VN	TN	3.51	0.002051	± 2.5	PASS
		VH	TN	3.51	0.002051	± 2.5	PASS
	MCH	VL	TN	-0.32	-0.000185	± 2.5	PASS
		VN	TN	2.93	0.001691	± 2.5	PASS
		VH	TN	-1.06	-0.000612	± 2.5	PASS
	HCH	VL	TN	0.19	0.000108	± 2.5	PASS
		VN	TN	3.57	0.002036	± 2.5	PASS
		VH	TN	4.05	0.002310	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.16	0.002431	± 2.5	PASS
		VN	-20	3.9	0.002279	± 2.5	PASS
		VN	-10	4.44	0.002594	± 2.5	PASS
		VN	0	3.14	0.001835	± 2.5	PASS
		VN	10	3.82	0.002232	± 2.5	PASS
		VN	20	0.71	0.000415	± 2.5	PASS
		VN	30	-1.32	-0.000771	± 2.5	PASS
		VN	40	4.38	0.002559	± 2.5	PASS
		VN	50	-0.46	-0.000269	± 2.5	PASS
	MCH	VN	-30	-1.23	-0.000710	± 2.5	PASS
		VN	-20	2.04	0.001177	± 2.5	PASS

		VN	-10	-0.92	-0.000531	± 2.5	PASS	
		VN	0	0.56	0.000323	± 2.5	PASS	
		VN	10	4.53	0.002615	± 2.5	PASS	
		VN	20	-1.2	-0.000693	± 2.5	PASS	
		VN	30	3.38	0.001951	± 2.5	PASS	
		VN	40	2.39	0.001380	± 2.5	PASS	
		VN	50	1.55	0.000895	± 2.5	PASS	
	HCH	VN	-30	0.7	0.000399	± 2.5	PASS	
		VN	-20	0.34	0.000194	± 2.5	PASS	
		VN	-10	1.07	0.000610	± 2.5	PASS	
		VN	0	1.76	0.001004	± 2.5	PASS	
		VN	10	-1.33	-0.000758	± 2.5	PASS	
		VN	20	2.67	0.001523	± 2.5	PASS	
		VN	30	1.82	0.001038	± 2.5	PASS	
	16QAM	LCH	VN	40	2.6	0.001483	± 2.5	PASS
			VN	50	3.63	0.002070	± 2.5	PASS
			VN	-30	-0.24	-0.000139	± 2.5	PASS
			VN	-20	-1.75	-0.001010	± 2.5	PASS
VN			-10	3.3	0.001905	± 2.5	PASS	
VN			0	2.91	0.001680	± 2.5	PASS	
VN			10	-0.97	-0.000560	± 2.5	PASS	
VN			20	3.74	0.002159	± 2.5	PASS	
VN			30	-0.26	-0.000150	± 2.5	PASS	
MCH		VN	40	2.04	0.001177	± 2.5	PASS	
		VN	50	1.57	0.000906	± 2.5	PASS	
		VN	-30	3.97	0.002264	± 2.5	PASS	
		VN	-20	2.79	0.001591	± 2.5	PASS	
		VN	-10	4.2	0.002395	± 2.5	PASS	
		VN	0	0.97	0.000553	± 2.5	PASS	
		VN	10	4.98	0.002840	± 2.5	PASS	
		VN	20	-1.36	-0.000776	± 2.5	PASS	
		VN	30	3.32	0.001893	± 2.5	PASS	
HCH	VN	40	-0.58	-0.000331	± 2.5	PASS		
	VN	50	0.83	0.000473	± 2.5	PASS		
	VN	-30	0.52	0.000297	± 2.5	PASS		
	VN	-20	0.25	0.000143	± 2.5	PASS		
	VN	-10	3.36	0.001916	± 2.5	PASS		
	VN	0	0.8	0.000456	± 2.5	PASS		
	VN	10	4.89	0.002789	± 2.5	PASS		
VN	20	4.47	0.002549	± 2.5	PASS			
VN	30	4.03	0.002298	± 2.5	PASS			

		VN	40	2.39	0.001363	± 2.5	PASS
		VN	50	4.26	0.002429	± 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	0.79	0.000461	± 2.5	PASS
		VN	TN	2.44	0.001425	± 2.5	PASS
		VH	TN	2.72	0.001588	± 2.5	PASS
	MCH	VL	TN	4.95	0.002857	± 2.5	PASS
		VN	TN	-1.52	-0.000877	± 2.5	PASS
		VH	TN	2.35	0.001356	± 2.5	PASS
	HCH	VL	TN	-0.32	-0.000183	± 2.5	PASS
		VN	TN	3.05	0.001740	± 2.5	PASS
		VH	TN	-1.88	-0.001073	± 2.5	PASS
16QAM	LCH	VL	TN	-1.01	-0.000590	± 2.5	PASS
		VN	TN	3.98	0.002324	± 2.5	PASS
		VH	TN	4.83	0.002820	± 2.5	PASS
	MCH	VL	TN	0.83	0.000479	± 2.5	PASS
		VN	TN	-1.76	-0.001016	± 2.5	PASS
		VH	TN	4.68	0.002701	± 2.5	PASS
	HCH	VL	TN	2.01	0.001147	± 2.5	PASS
		VN	TN	0.59	0.000337	± 2.5	PASS
		VH	TN	-1.23	-0.000702	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.03	0.001185	± 2.5	PASS
		VN	-20	1.87	0.001092	± 2.5	PASS
		VN	-10	3.64	0.002126	± 2.5	PASS
		VN	0	0.29	0.000169	± 2.5	PASS
		VN	10	-0.98	-0.000572	± 2.5	PASS
		VN	20	1.2	0.000701	± 2.5	PASS
		VN	30	-0.88	-0.000514	± 2.5	PASS
		VN	40	3.54	0.002067	± 2.5	PASS
		VN	50	-0.78	-0.000455	± 2.5	PASS
	MCH	VN	-30	0.74	0.000427	± 2.5	PASS
		VN	-20	0.3	0.000173	± 2.5	PASS
		VN	-10	2.35	0.001356	± 2.5	PASS

		VN	0	4	0.002309	± 2.5	PASS		
		VN	10	3.87	0.002234	± 2.5	PASS		
		VN	20	-1.16	-0.000670	± 2.5	PASS		
		VN	30	2.51	0.001449	± 2.5	PASS		
		VN	40	3.14	0.001812	± 2.5	PASS		
		VN	50	-1.71	-0.000987	± 2.5	PASS		
	HCH	VN	-30	4.65	0.002653	± 2.5	PASS		
		VN	-20	3.47	0.001819	± 2.5	PASS		
		VN	-10	2.43	0.001274	± 2.5	PASS		
		VN	0	2.7	0.001415	± 2.5	PASS		
		VN	10	2.55	0.001337	± 2.5	PASS		
		VN	20	4.52	0.002370	± 2.5	PASS		
		VN	30	4.16	0.002181	± 2.5	PASS		
		VN	40	3.23	0.001693	± 2.5	PASS		
		VN	50	2.48	0.001300	± 2.5	PASS		
		16QAM	LCH	VN	-30	0.98	0.000566	± 2.5	PASS
				VN	-20	2.31	0.001333	± 2.5	PASS
				VN	-10	0.43	0.000248	± 2.5	PASS
VN	0			-1.08	-0.000623	± 2.5	PASS		
VN	10			4.34	0.002505	± 2.5	PASS		
VN	20			2.81	0.001622	± 2.5	PASS		
VN	30			-0.29	-0.000167	± 2.5	PASS		
VN	40			1.43	0.000825	± 2.5	PASS		
VN	50			-1.63	-0.000941	± 2.5	PASS		
MCH	VN		-30	-1.39	-0.000793	± 2.5	PASS		
	VN		-20	-0.82	-0.000468	± 2.5	PASS		
	VN		-10	2.8	0.001598	± 2.5	PASS		
	VN		0	-1.71	-0.000976	± 2.5	PASS		
	VN		10	0.31	0.000177	± 2.5	PASS		
	VN		20	2.96	0.001689	± 2.5	PASS		
	VN		30	0.98	0.000559	± 2.5	PASS		
	VN		40	0.75	0.000428	± 2.5	PASS		
	VN		50	0.55	0.000314	± 2.5	PASS		
HCH	VN		-30	-0.39	-0.000204	± 2.5	PASS		
	VN		-20	5	0.002621	± 2.5	PASS		
	VN		-10	4.92	0.002579	± 2.5	PASS		
	VN		0	0.75	0.000393	± 2.5	PASS		
	VN		10	0.8	0.000419	± 2.5	PASS		
	VN		20	3.43	0.001798	± 2.5	PASS		
	VN		30	0.36	0.000189	± 2.5	PASS		
	VN		40	-1.91	-0.001001	± 2.5	PASS		

		VN	50	3.85	0.002018	± 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	1.89	0.001102	± 2.5	PASS
		VN	TN	-0.76	-0.000443	± 2.5	PASS
		VH	TN	3.55	0.002070	± 2.5	PASS
	MCH	VL	TN	4.12	0.002378	± 2.5	PASS
		VN	TN	-0.66	-0.000381	± 2.5	PASS
		VH	TN	0.76	0.000439	± 2.5	PASS
	HCH	VL	TN	2.61	0.001491	± 2.5	PASS
		VN	TN	4.19	0.002394	± 2.5	PASS
		VH	TN	3.92	0.002240	± 2.5	PASS
16QAM	LCH	VL	TN	4.43	0.002583	± 2.5	PASS
		VN	TN	-1.79	-0.001044	± 2.5	PASS
		VH	TN	-1.74	-0.001015	± 2.5	PASS
	MCH	VL	TN	2.16	0.001247	± 2.5	PASS
		VN	TN	3.49	0.002014	± 2.5	PASS
		VH	TN	1.03	0.000595	± 2.5	PASS
	HCH	VL	TN	3.63	0.002074	± 2.5	PASS
		VN	TN	1.07	0.000611	± 2.5	PASS
		VH	TN	3.47	0.001983	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.02	0.000595	± 2.5	PASS
		VN	-20	2.37	0.001382	± 2.5	PASS
		VN	-10	0.7	0.000408	± 2.5	PASS
		VN	0	-1.94	-0.001131	± 2.5	PASS
		VN	10	0.19	0.000111	± 2.5	PASS
		VN	20	-0.67	-0.000391	± 2.5	PASS
		VN	30	0.62	0.000362	± 2.5	PASS
		VN	40	0.46	0.000268	± 2.5	PASS
		VN	50	-0.81	-0.000472	± 2.5	PASS
	MCH	VN	-30	4.67	0.002696	± 2.5	PASS
		VN	-20	4.76	0.002747	± 2.5	PASS
		VN	-10	1.57	0.000906	± 2.5	PASS
		VN	0	-1.04	-0.000600	± 2.5	PASS

		VN	10	-1.39	-0.000802	± 2.5	PASS
		VN	20	1.73	0.000999	± 2.5	PASS
		VN	30	4.7	0.002713	± 2.5	PASS
		VN	40	3.26	0.001882	± 2.5	PASS
		VN	50	2.96	0.001709	± 2.5	PASS
	HCH	VN	-30	1.64	0.000937	± 2.5	PASS
		VN	-20	1.34	0.000766	± 2.5	PASS
		VN	-10	-1.44	-0.000823	± 2.5	PASS
		VN	0	-1.53	-0.000874	± 2.5	PASS
		VN	10	-1.17	-0.000669	± 2.5	PASS
		VN	20	0.99	0.000566	± 2.5	PASS
		VN	30	-1.26	-0.000720	± 2.5	PASS
		VN	40	3.12	0.001783	± 2.5	PASS
		VN	50	4.38	0.002503	± 2.5	PASS
		16QAM	LCH	VN	-30	3.73	0.002153
VN	-20			1.37	0.000791	± 2.5	PASS
VN	-10			3.18	0.001835	± 2.5	PASS
VN	0			2.74	0.001582	± 2.5	PASS
VN	10			4.65	0.002684	± 2.5	PASS
VN	20			2.06	0.001189	± 2.5	PASS
VN	30			-1.13	-0.000652	± 2.5	PASS
VN	40			-0.01	-0.000006	± 2.5	PASS
VN	50			2.66	0.001535	± 2.5	PASS
MCH	VN		-30	4.73	0.002703	± 2.5	PASS
	VN		-20	2.56	0.001463	± 2.5	PASS
	VN		-10	-0.98	-0.000560	± 2.5	PASS
	VN		0	3.84	0.002194	± 2.5	PASS
	VN		10	-0.06	-0.000034	± 2.5	PASS
	VN		20	1.02	0.000583	± 2.5	PASS
	VN		30	4.01	0.002291	± 2.5	PASS
	VN		40	1.55	0.000886	± 2.5	PASS
	VN		50	4.4	0.002514	± 2.5	PASS
HCH	VN		-30	-1.8	-0.001029	± 2.5	PASS
	VN		-20	1.35	0.000771	± 2.5	PASS
	VN		-10	3.33	0.001903	± 2.5	PASS
	VN		0	1.89	0.001080	± 2.5	PASS
	VN		10	0.66	0.000377	± 2.5	PASS
	VN		20	0.39	0.000223	± 2.5	PASS
	VN		30	0.21	0.000120	± 2.5	PASS
	VN		40	-0.23	-0.000131	± 2.5	PASS
	VN		50	0.98	0.000560	± 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	0.73	0.000425	± 2.5	PASS
		VN	TN	-1.9	-0.001106	± 2.5	PASS
		VH	TN	1.86	0.001083	± 2.5	PASS
	MCH	VL	TN	-0.73	-0.000421	± 2.5	PASS
		VN	TN	-1.08	-0.000623	± 2.5	PASS
		VH	TN	1.71	0.000987	± 2.5	PASS
	HCH	VL	TN	1.56	0.000893	± 2.5	PASS
		VN	TN	-1.9	-0.001087	± 2.5	PASS
		VH	TN	0.44	0.000252	± 2.5	PASS
16QAM	LCH	VL	TN	0.67	0.000390	± 2.5	PASS
		VN	TN	-0.92	-0.000536	± 2.5	PASS
		VH	TN	0.35	0.000204	± 2.5	PASS
	MCH	VL	TN	3.28	0.001893	± 2.5	PASS
		VN	TN	-1.32	-0.000762	± 2.5	PASS
		VH	TN	2.48	0.001431	± 2.5	PASS
	HCH	VL	TN	1.65	0.000944	± 2.5	PASS
		VN	TN	2.15	0.001230	± 2.5	PASS
		VH	TN	-0.2	-0.000114	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.08	0.002376	± 2.5	PASS
		VN	-20	0.89	0.000518	± 2.5	PASS
		VN	-10	1.27	0.000739	± 2.5	PASS
		VN	0	3.06	0.001782	± 2.5	PASS
		VN	10	2.99	0.001741	± 2.5	PASS
		VN	20	1.88	0.001095	± 2.5	PASS
		VN	30	-0.46	-0.000268	± 2.5	PASS
		VN	40	0.85	0.000495	± 2.5	PASS
		VN	50	1.36	0.000792	± 2.5	PASS
	MCH	VN	-30	3.89	0.002245	± 2.5	PASS
		VN	-20	-1.92	-0.001108	± 2.5	PASS
		VN	-10	0.05	0.000029	± 2.5	PASS
		VN	0	0.26	0.000150	± 2.5	PASS
		VN	10	-0.25	-0.000144	± 2.5	PASS
		VN	20	0.15	0.000087	± 2.5	PASS

		VN	30	-1.57	-0.000906	± 2.5	PASS
		VN	40	0.17	0.000098	± 2.5	PASS
		VN	50	4.95	0.002857	± 2.5	PASS
	HCH	VN	-30	-1.81	-0.001036	± 2.5	PASS
		VN	-20	0.96	0.000549	± 2.5	PASS
		VN	-10	-0.32	-0.000183	± 2.5	PASS
		VN	0	-1.68	-0.000961	± 2.5	PASS
		VN	10	3.32	0.001900	± 2.5	PASS
		VN	20	3.4	0.001946	± 2.5	PASS
		VN	30	3.54	0.002026	± 2.5	PASS
		VN	40	0.31	0.000177	± 2.5	PASS
		VN	50	0.73	0.000418	± 2.5	PASS
16QAM	LCH	VN	-30	3.18	0.001835	± 2.5	PASS
		VN	-20	4.06	0.002343	± 2.5	PASS
		VN	-10	0.89	0.000514	± 2.5	PASS
		VN	0	-0.17	-0.000098	± 2.5	PASS
		VN	10	-0.47	-0.000271	± 2.5	PASS
		VN	20	3.75	0.002165	± 2.5	PASS
		VN	30	-1.38	-0.000797	± 2.5	PASS
		VN	40	4.06	0.002343	± 2.5	PASS
		VN	50	-0.87	-0.000502	± 2.5	PASS
	MCH	VN	-30	4.11	0.002352	± 2.5	PASS
		VN	-20	4.97	0.002844	± 2.5	PASS
		VN	-10	4.89	0.002798	± 2.5	PASS
		VN	0	2.66	0.001522	± 2.5	PASS
		VN	10	-0.38	-0.000217	± 2.5	PASS
		VN	20	-1.43	-0.000818	± 2.5	PASS
		VN	30	2.85	0.001631	± 2.5	PASS
		VN	40	1.59	0.000910	± 2.5	PASS
		VN	50	-0.76	-0.000435	± 2.5	PASS
	HCH	VN	-30	-0.32	-0.000183	± 2.5	PASS
		VN	-20	4.97	0.002844	± 2.5	PASS
		VN	-10	3.23	0.001848	± 2.5	PASS
		VN	0	-1.66	-0.000950	± 2.5	PASS
		VN	10	0.85	0.000486	± 2.5	PASS
		VN	20	3.09	0.001768	± 2.5	PASS
		VN	30	-1.18	-0.000675	± 2.5	PASS
		VN	40	4.07	0.002329	± 2.5	PASS
		VN	50	0.23	0.000132	± 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	0.92	0.000535	± 2.5	PASS
		VN	TN	2.25	0.001308	± 2.5	PASS
		VH	TN	2.06	0.001198	± 2.5	PASS
	MCH	VL	TN	-0.25	-0.000144	± 2.5	PASS
		VN	TN	4.18	0.002413	± 2.5	PASS
		VH	TN	-1.21	-0.000698	± 2.5	PASS
	HCH	VL	TN	2.7	0.001547	± 2.5	PASS
		VN	TN	-0.63	-0.000361	± 2.5	PASS
		VH	TN	-0.29	-0.000166	± 2.5	PASS
16QAM	LCH	VL	TN	-1.27	-0.000738	± 2.5	PASS
		VN	TN	-1.51	-0.000878	± 2.5	PASS
		VH	TN	-0.84	-0.000488	± 2.5	PASS
	MCH	VL	TN	0.8	0.000462	± 2.5	PASS
		VN	TN	-0.88	-0.000508	± 2.5	PASS
		VH	TN	1.59	0.000918	± 2.5	PASS
	HCH	VL	TN	2.26	0.001295	± 2.5	PASS
		VN	TN	2.3	0.001318	± 2.5	PASS
		VH	TN	-1.79	-0.001026	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.8	0.000465	± 2.5	PASS
		VN	-20	-0.05	-0.000029	± 2.5	PASS
		VN	-10	-1.41	-0.000820	± 2.5	PASS
		VN	0	-1.87	-0.001087	± 2.5	PASS
		VN	10	-1.63	-0.000948	± 2.5	PASS
		VN	20	-0.84	-0.000488	± 2.5	PASS
		VN	30	0.28	0.000163	± 2.5	PASS
		VN	40	1.3	0.000756	± 2.5	PASS
		VN	50	1.75	0.001017	± 2.5	PASS
	MCH	VN	-30	3.71	0.002141	± 2.5	PASS
		VN	-20	3.59	0.002072	± 2.5	PASS
		VN	-10	4.35	0.002511	± 2.5	PASS
		VN	0	1.11	0.000641	± 2.5	PASS
		VN	10	4.85	0.002799	± 2.5	PASS
		VN	20	4.79	0.002765	± 2.5	PASS

		VN	30	4.36	0.002517	± 2.5	PASS
		VN	40	2.85	0.001645	± 2.5	PASS
		VN	50	4.66	0.002690	± 2.5	PASS
	HCH	VN	-30	2.38	0.001364	± 2.5	PASS
		VN	-20	4.57	0.002619	± 2.5	PASS
		VN	-10	3.4	0.001948	± 2.5	PASS
		VN	0	2.08	0.001192	± 2.5	PASS
		VN	10	-1.12	-0.000642	± 2.5	PASS
		VN	20	4.53	0.002596	± 2.5	PASS
		VN	30	4.46	0.002556	± 2.5	PASS
		VN	40	4.71	0.002699	± 2.5	PASS
		VN	50	4.81	0.002756	± 2.5	PASS
16QAM	LCH	VN	-30	3.29	0.001899	± 2.5	PASS
		VN	-20	0.92	0.000531	± 2.5	PASS
		VN	-10	0.06	0.000035	± 2.5	PASS
		VN	0	1.95	0.001126	± 2.5	PASS
		VN	10	0.92	0.000531	± 2.5	PASS
		VN	20	-0.76	-0.000439	± 2.5	PASS
		VN	30	4.52	0.002609	± 2.5	PASS
		VN	40	0.67	0.000387	± 2.5	PASS
	MCH	VN	50	3.79	0.002188	± 2.5	PASS
		VN	-30	-0.15	-0.000086	± 2.5	PASS
		VN	-20	2.97	0.001702	± 2.5	PASS
		VN	-10	-0.8	-0.000458	± 2.5	PASS
		VN	0	3.73	0.002138	± 2.5	PASS
		VN	10	4.58	0.002625	± 2.5	PASS
		VN	20	2.24	0.001284	± 2.5	PASS
		VN	30	2.76	0.001582	± 2.5	PASS
		VN	40	3.32	0.001903	± 2.5	PASS
	HCH	VN	50	1.4	0.000802	± 2.5	PASS
		VN	-30	1.83	0.001049	± 2.5	PASS
		VN	-20	0.53	0.000304	± 2.5	PASS
		VN	-10	4.72	0.002705	± 2.5	PASS
		VN	0	4.78	0.002739	± 2.5	PASS
		VN	10	2.07	0.001186	± 2.5	PASS
		VN	20	0.28	0.000160	± 2.5	PASS
VN		30	-0.29	-0.000166	± 2.5	PASS	
VN	40	3.35	0.001920	± 2.5	PASS		
VN	50	-1.88	-0.001077	± 2.5	PASS		