Channel Bandwidth: 15 MHz

(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#37

(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#74

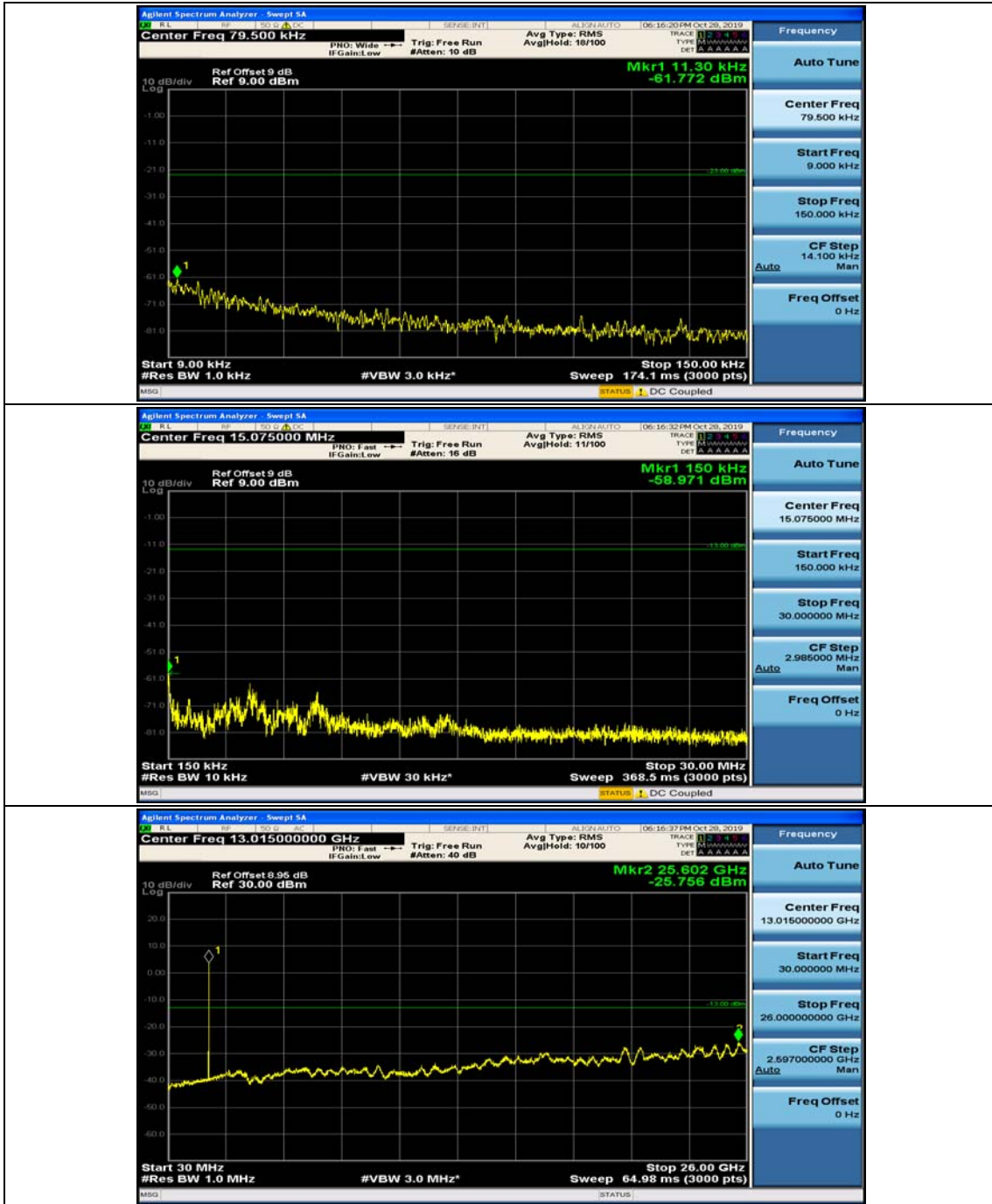| (Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0 |
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| (Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37 |

(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#74
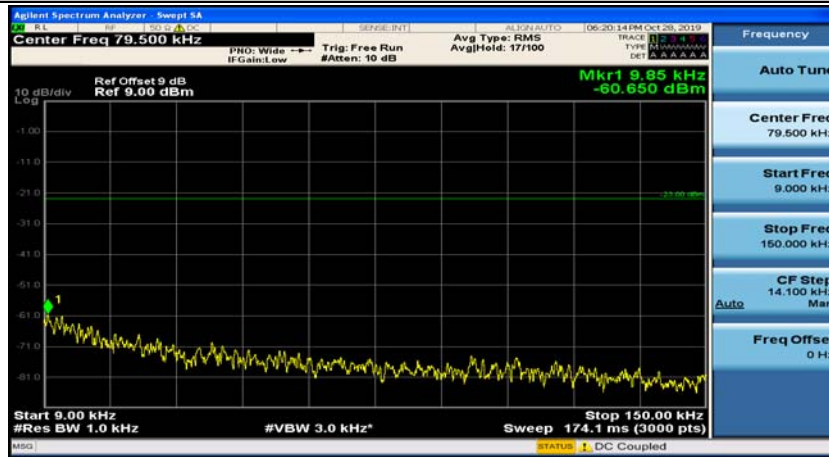
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(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#74
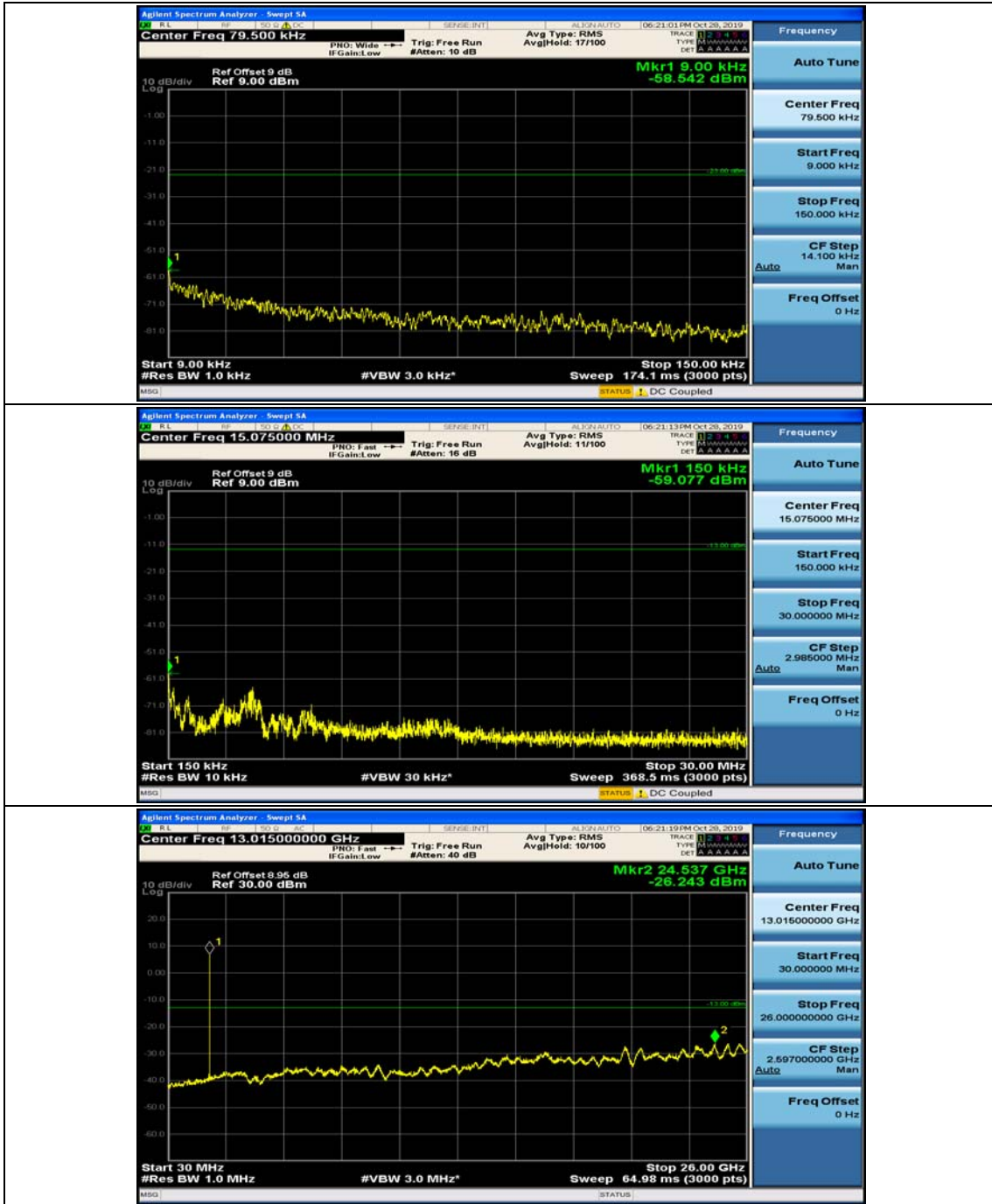
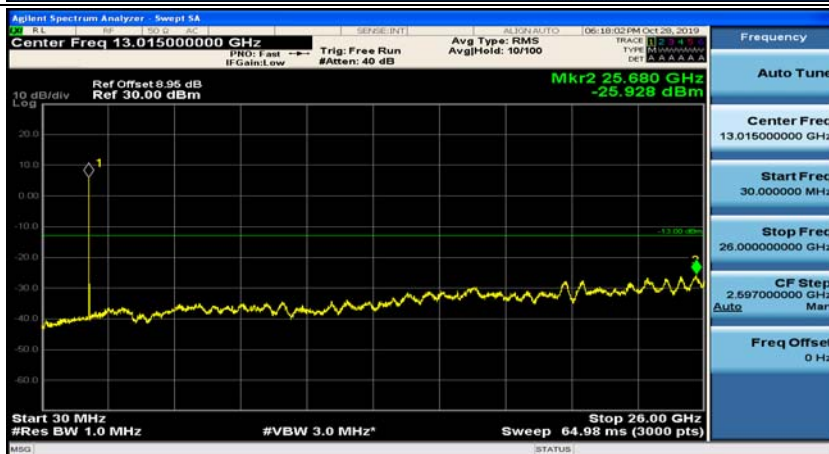| (Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0 |
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| (Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37 |
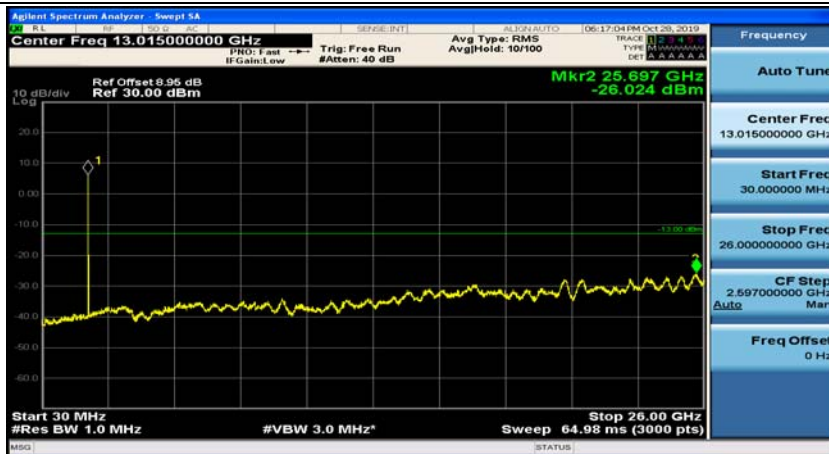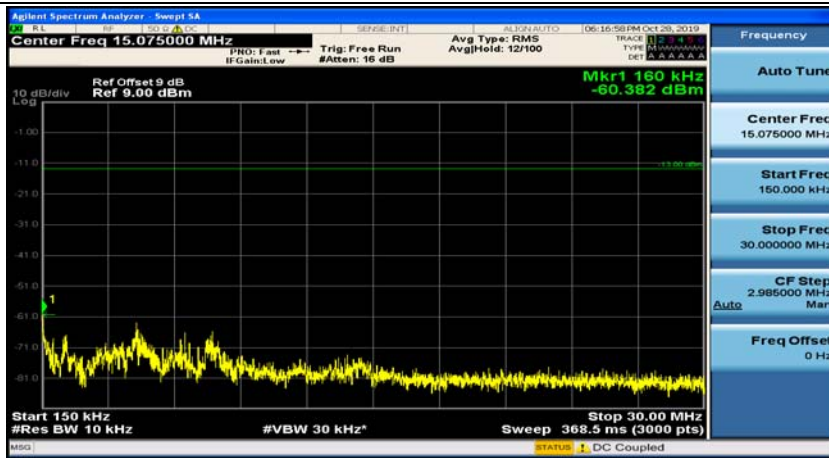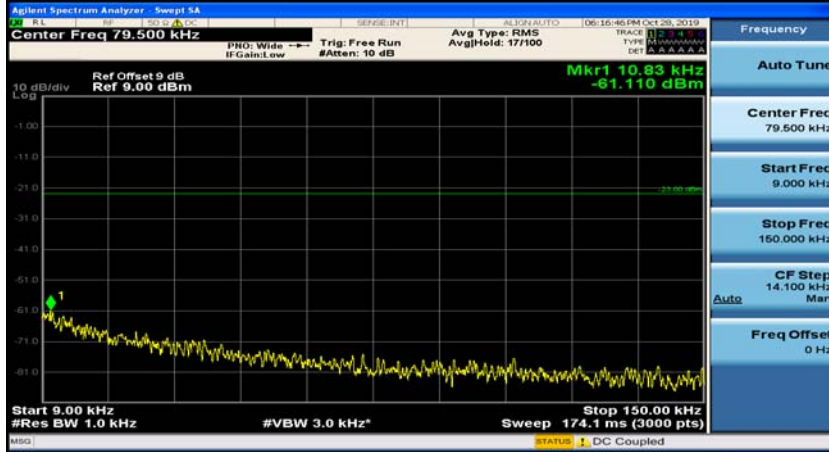
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#74

(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#74
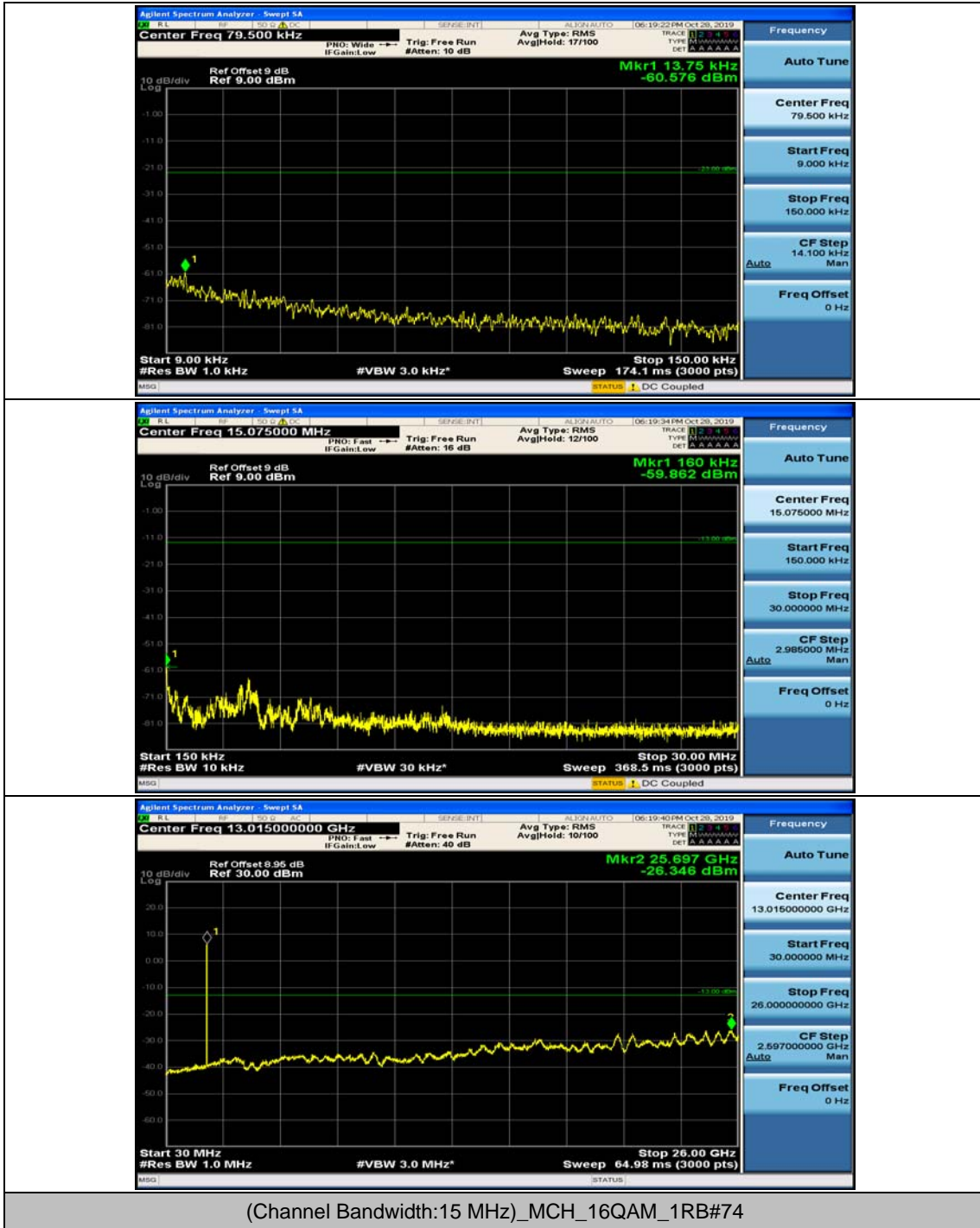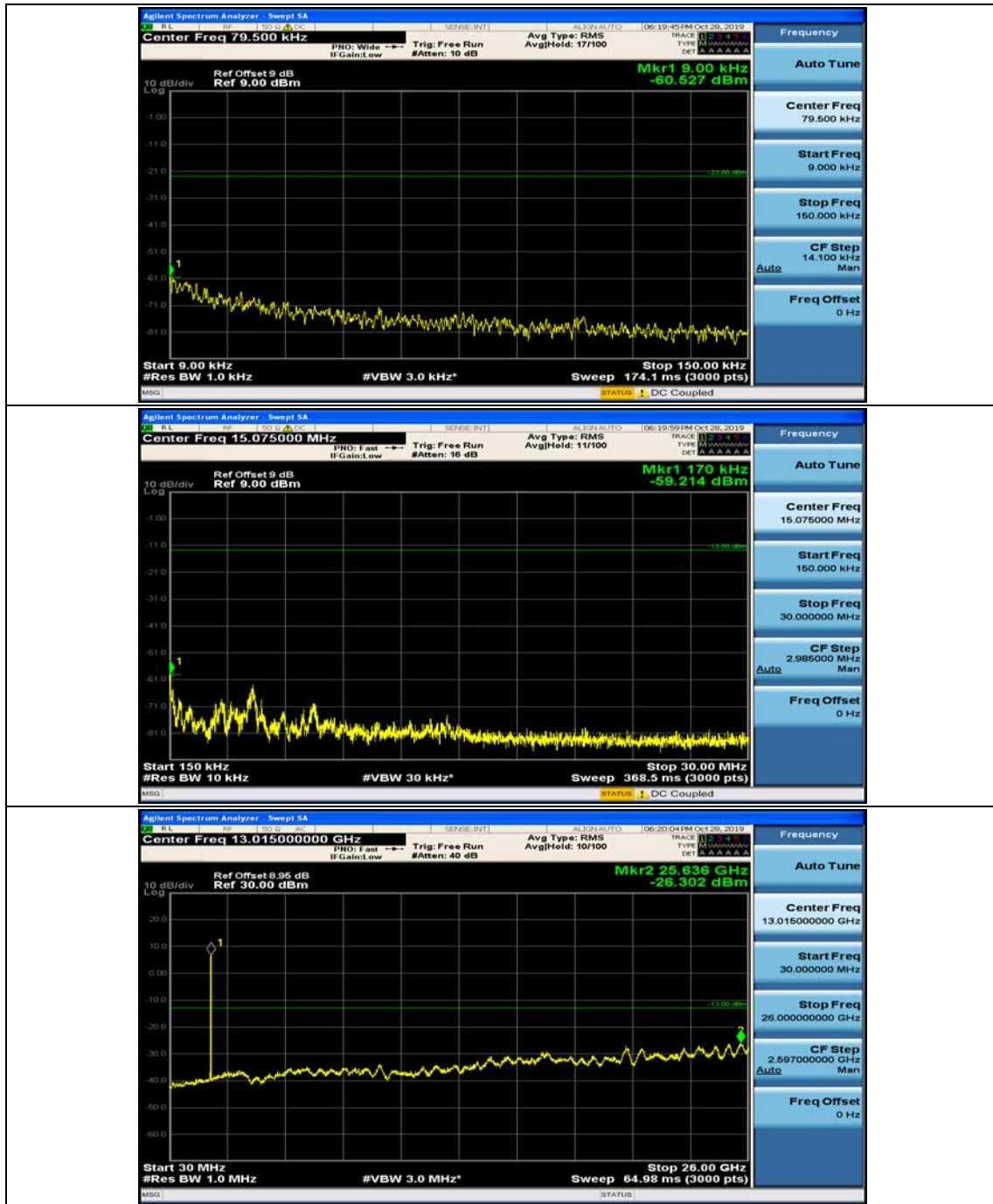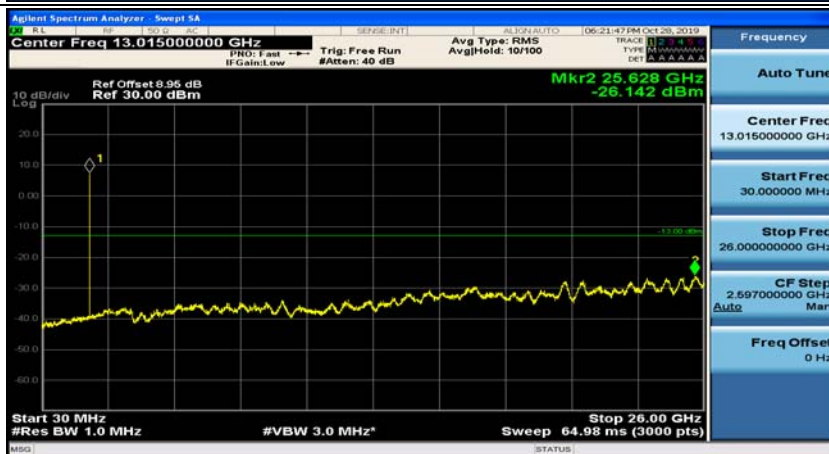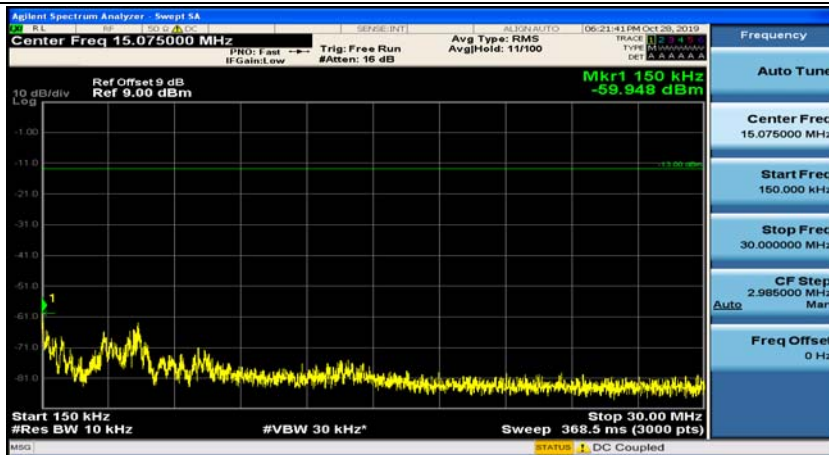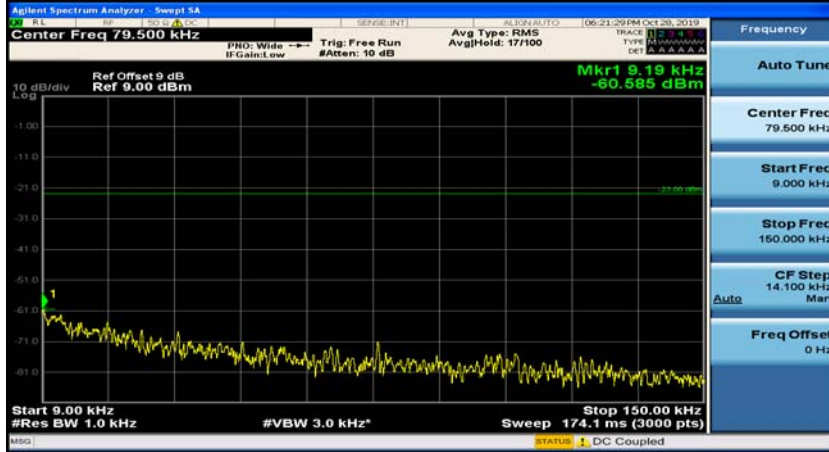
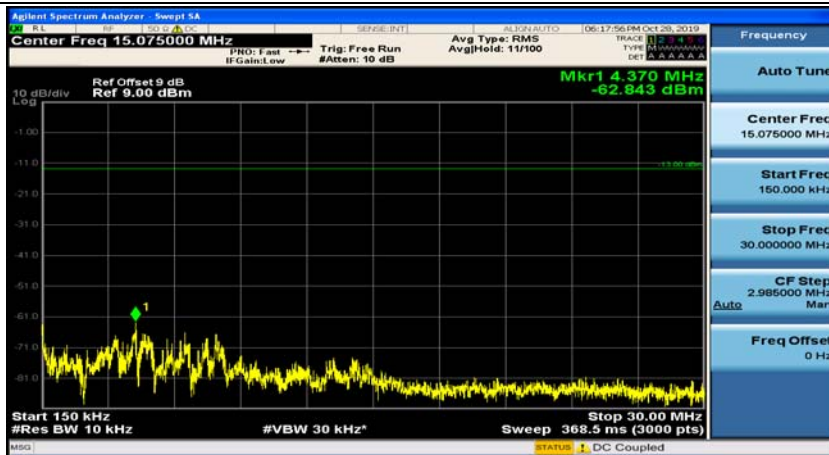| (Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0 |
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| (Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37 |

(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#74

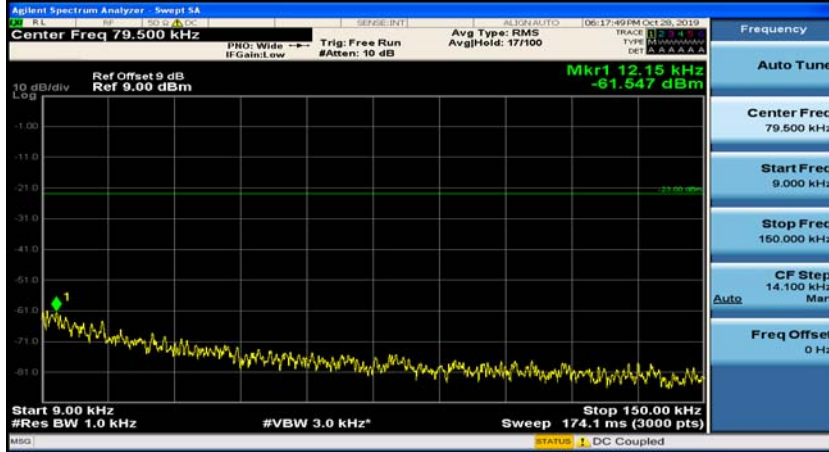## Channel Bandwidth: 20 MHz

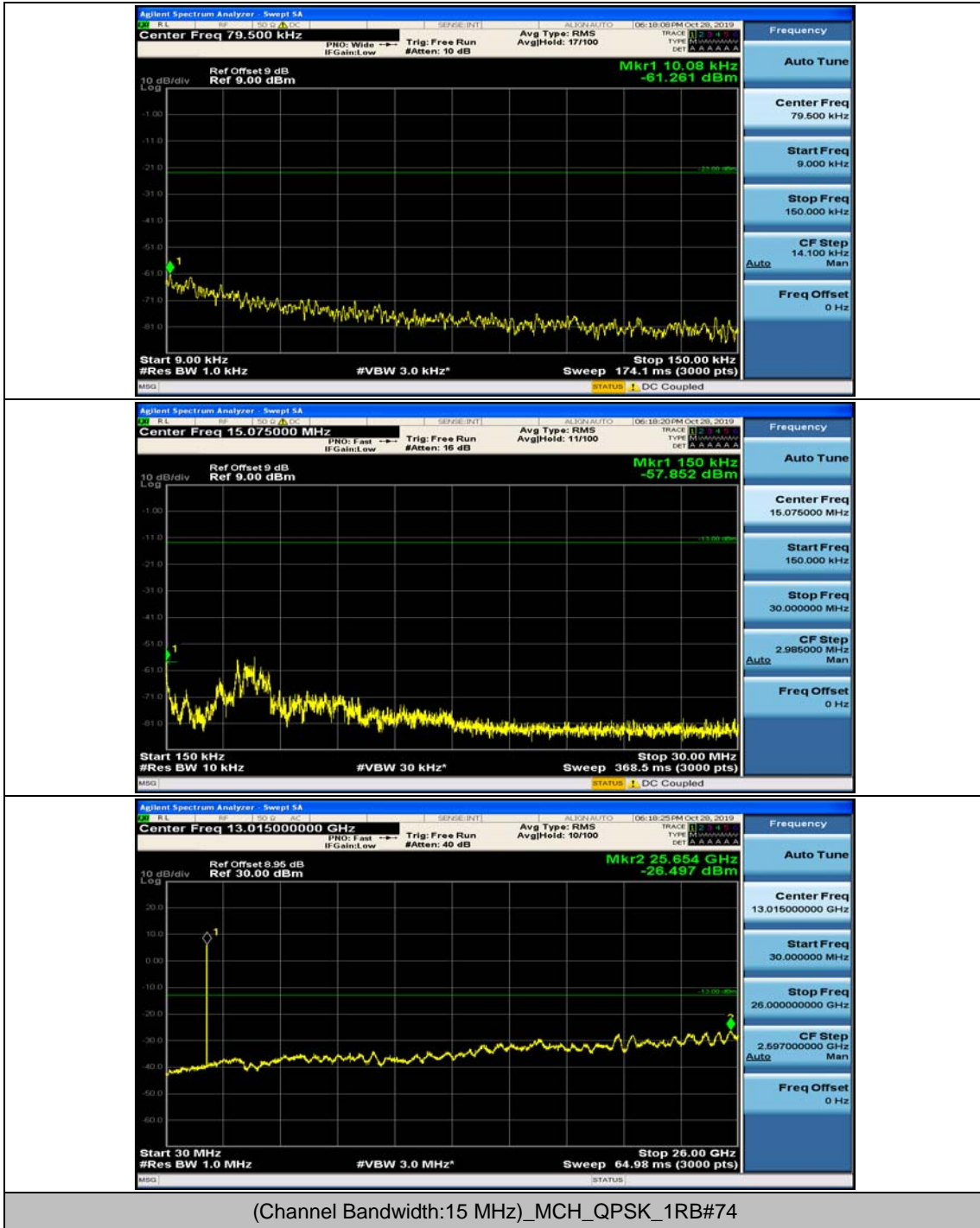| (Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0 |
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| (Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#49 |
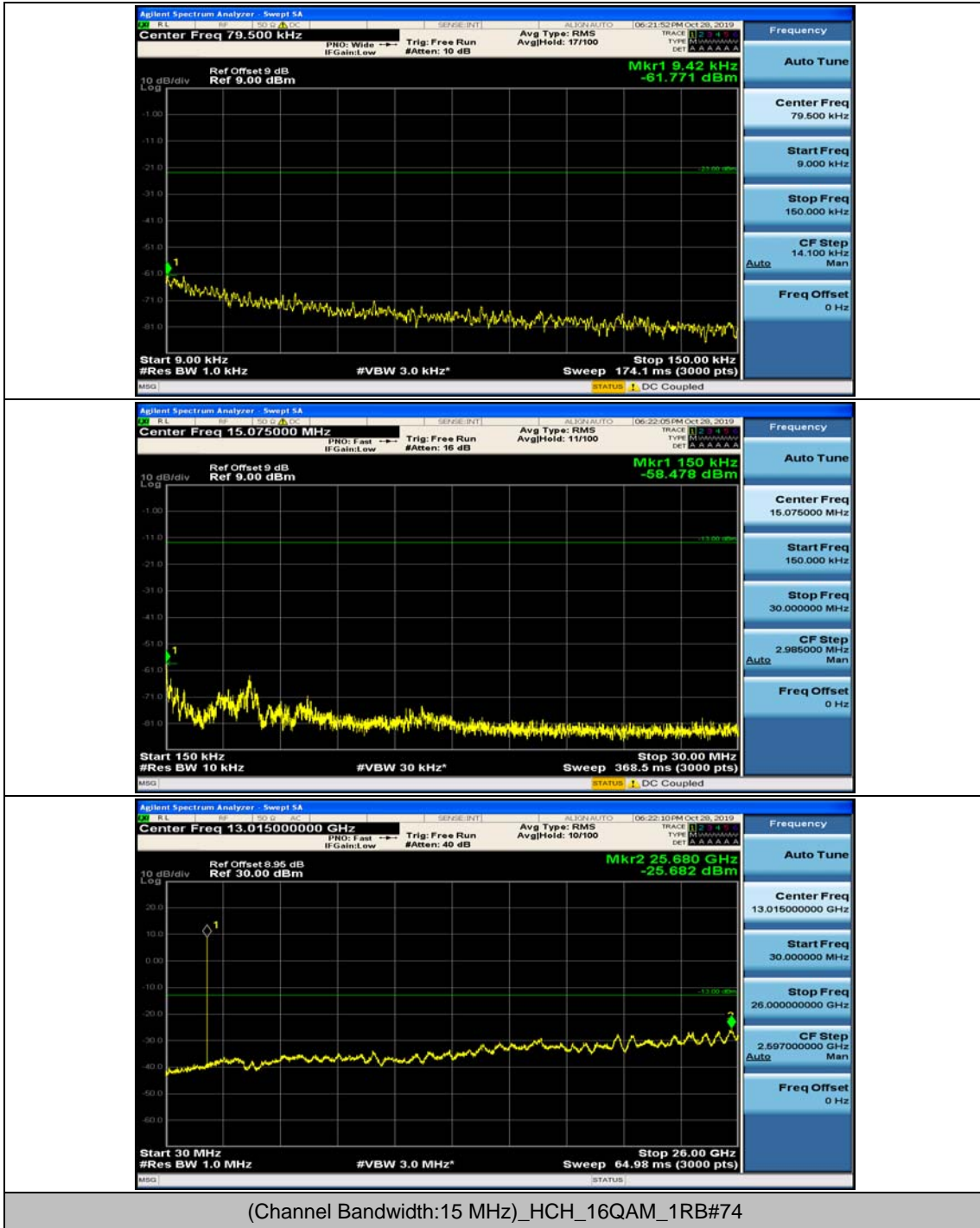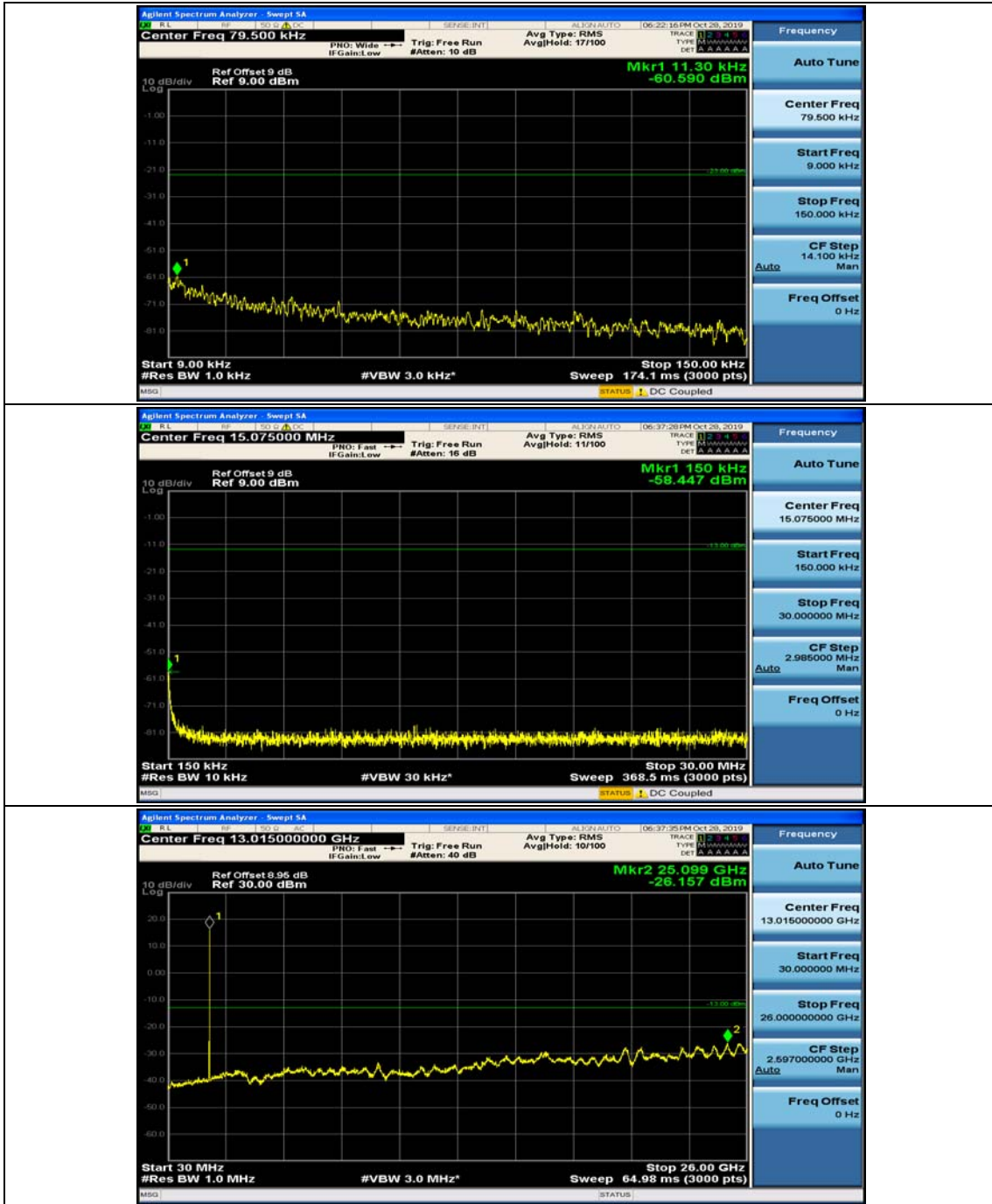
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#99
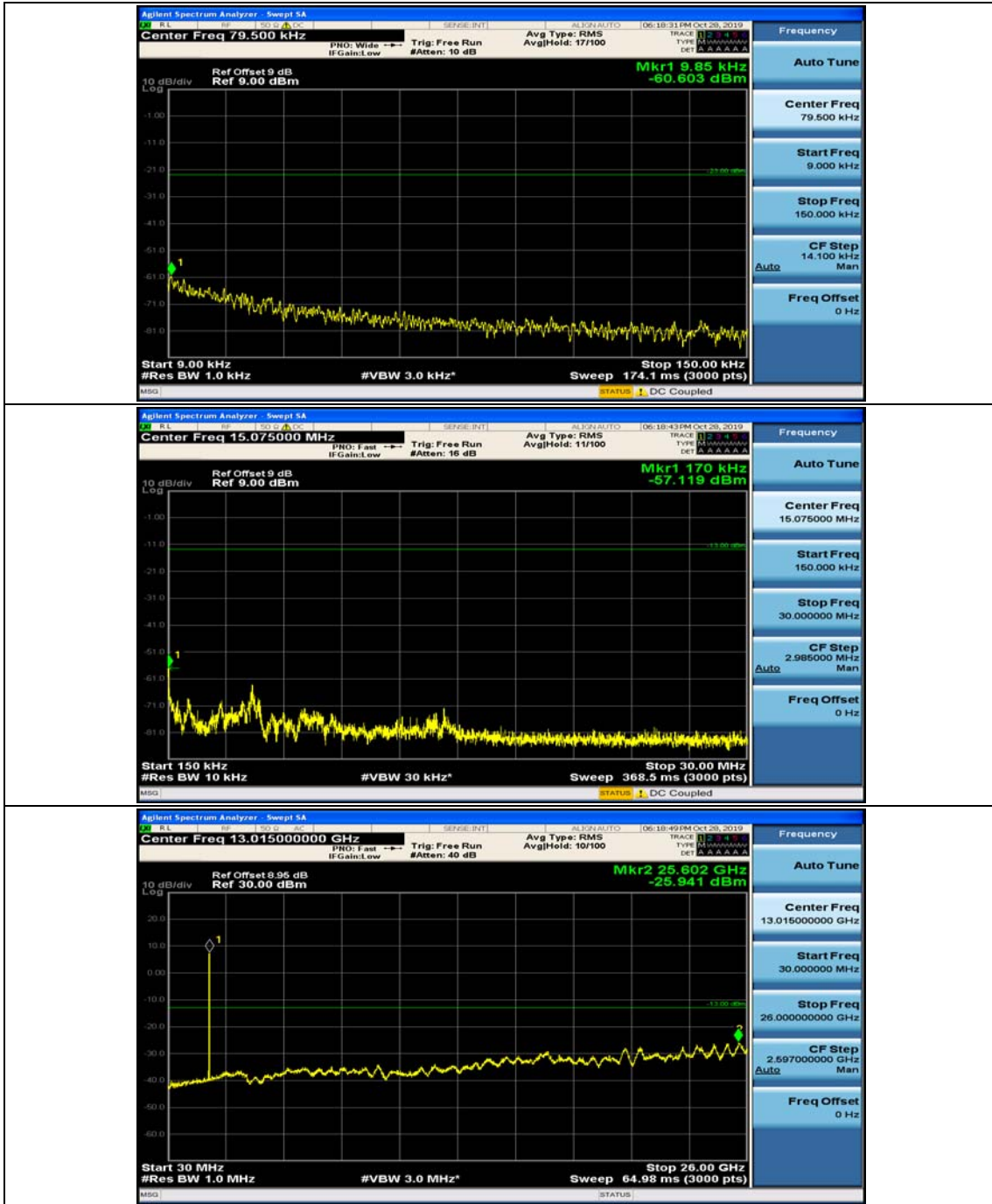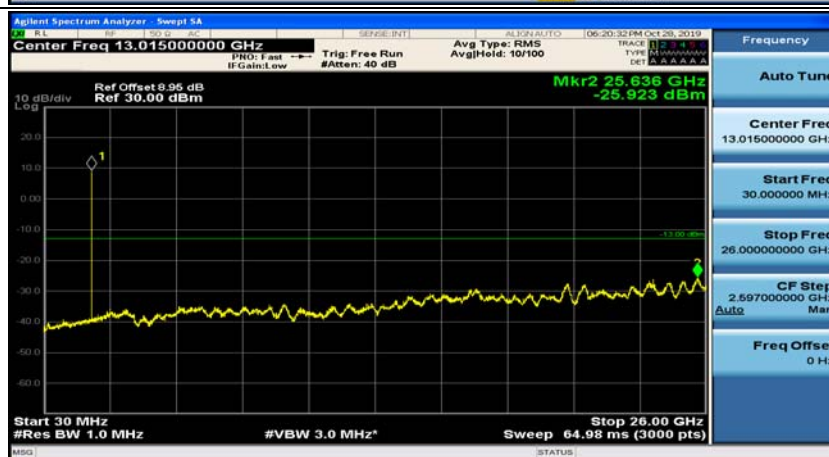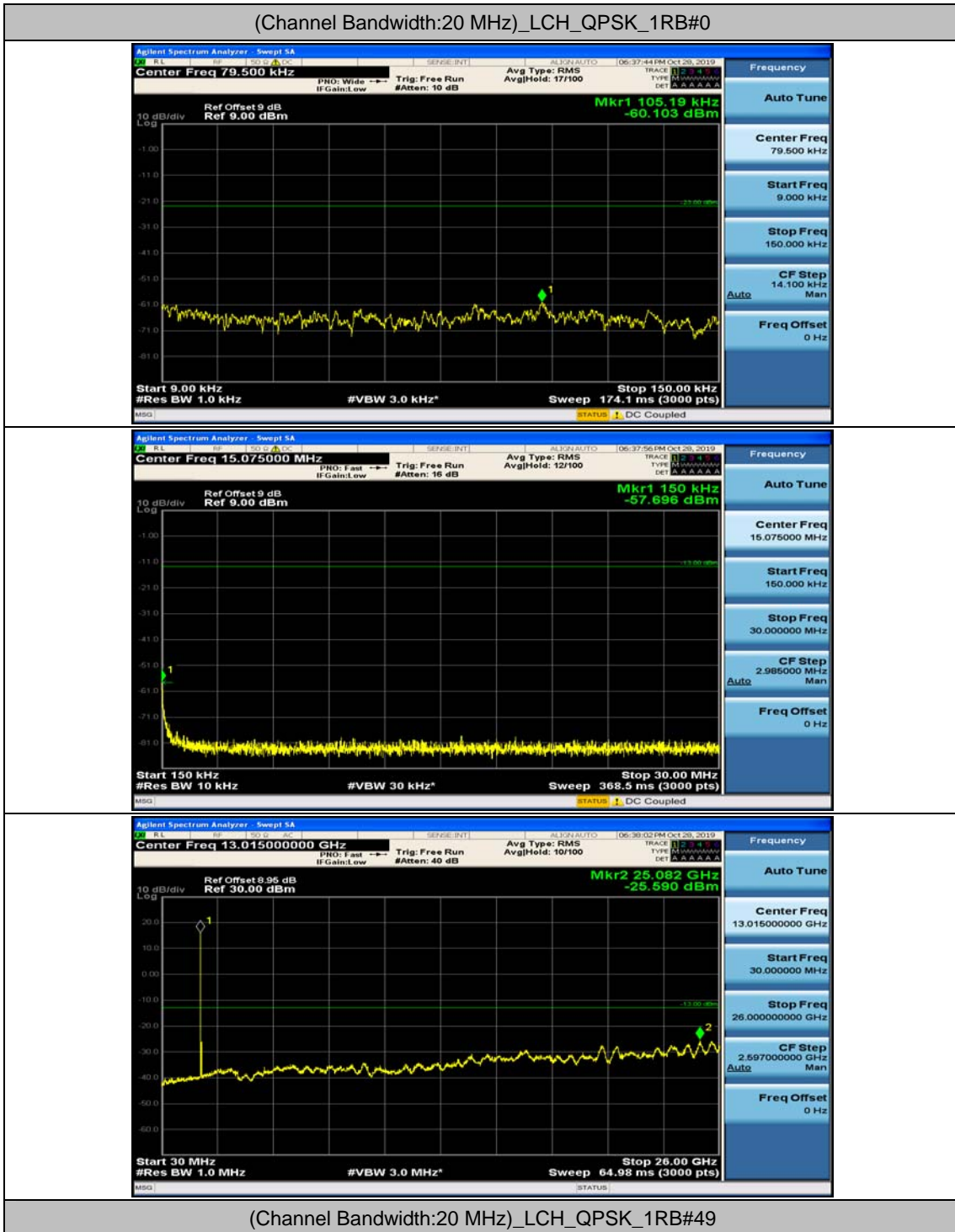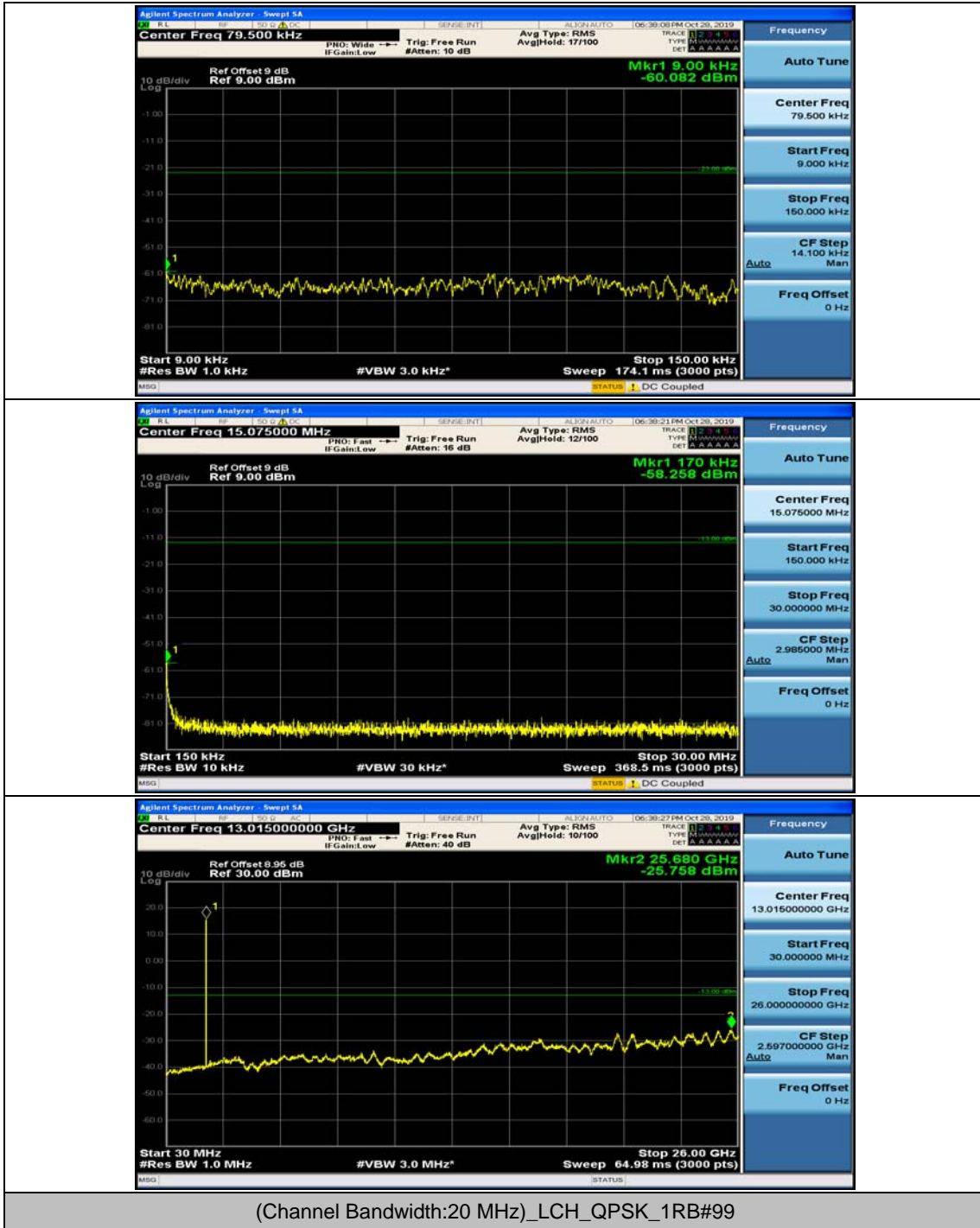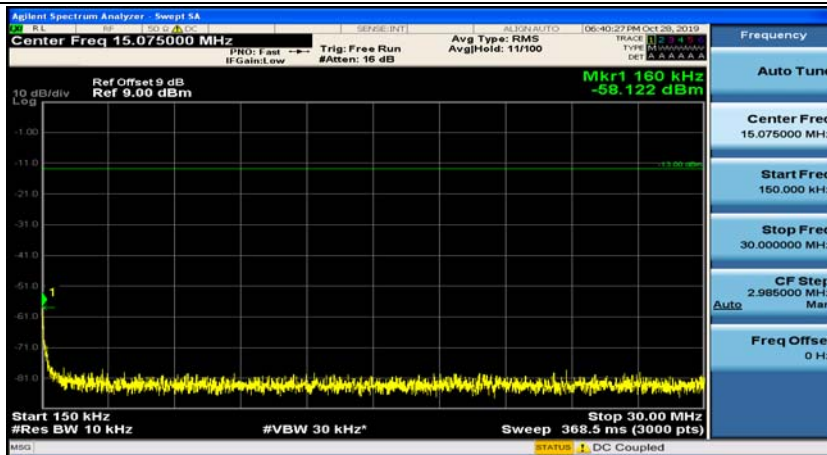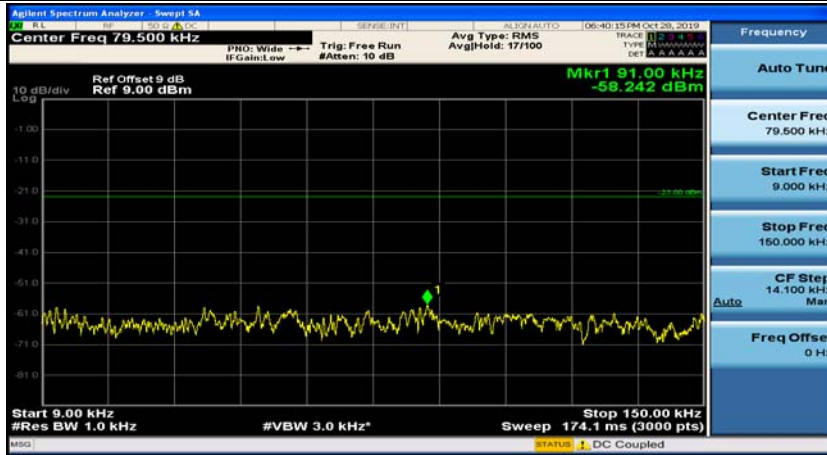
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#99
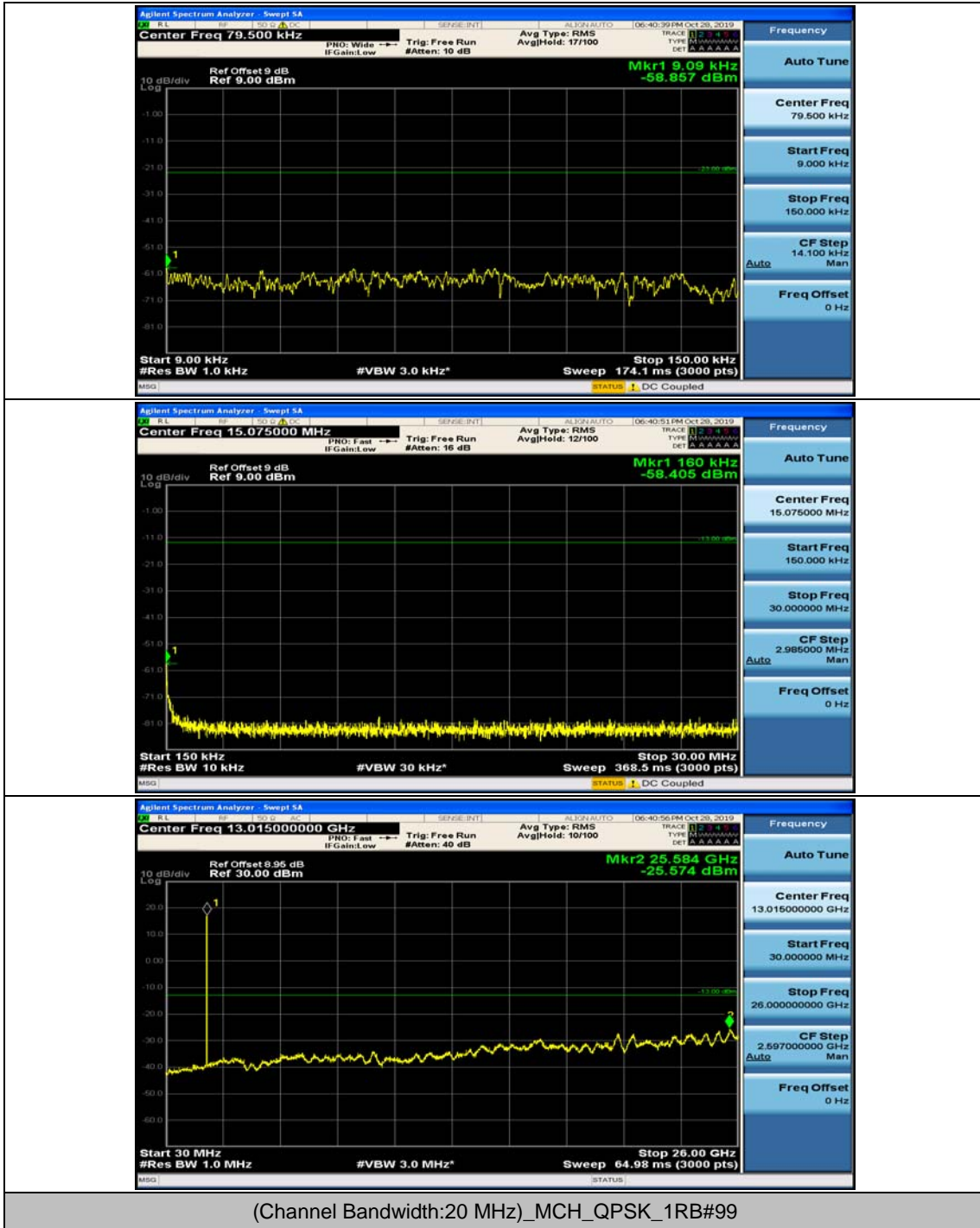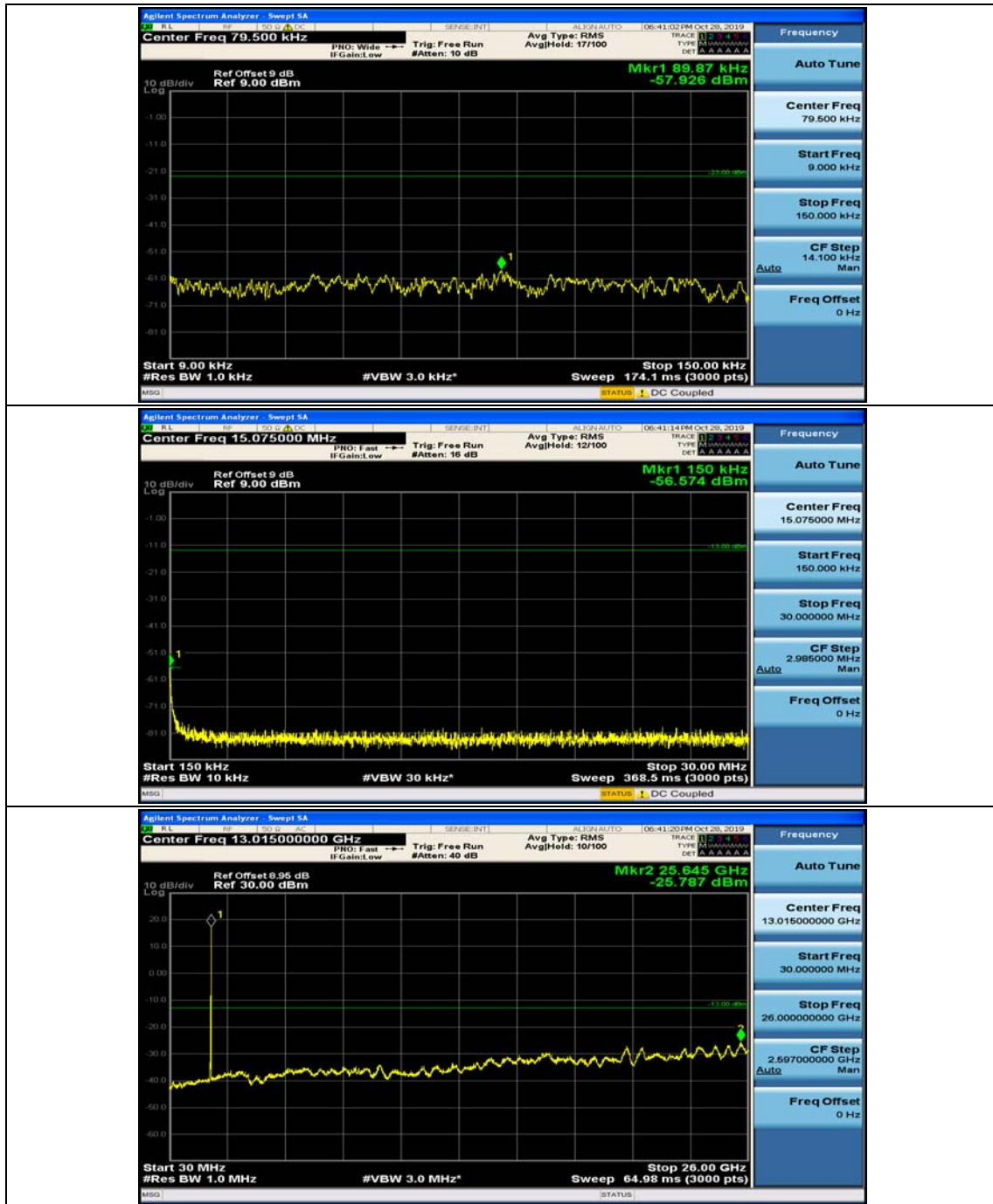
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0
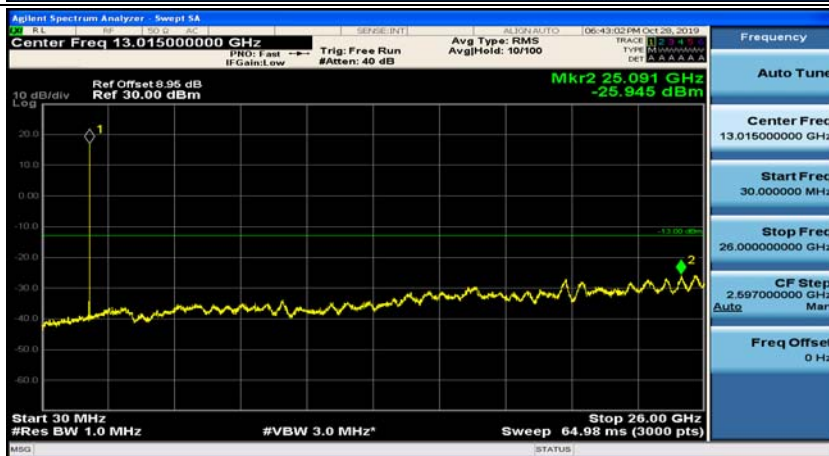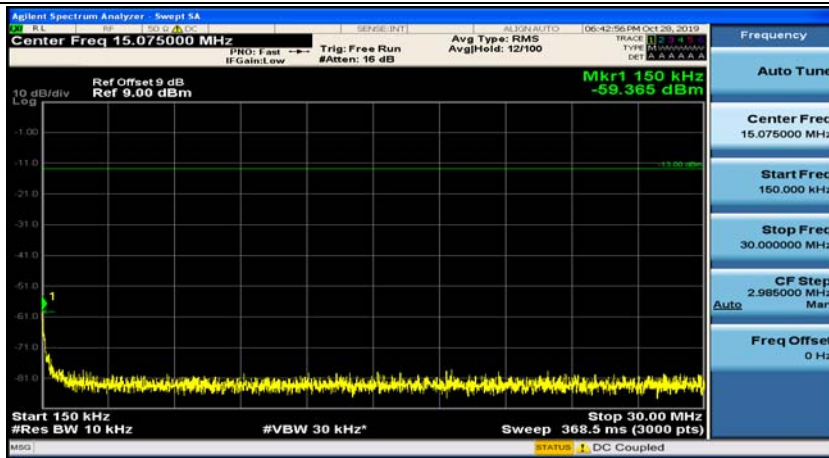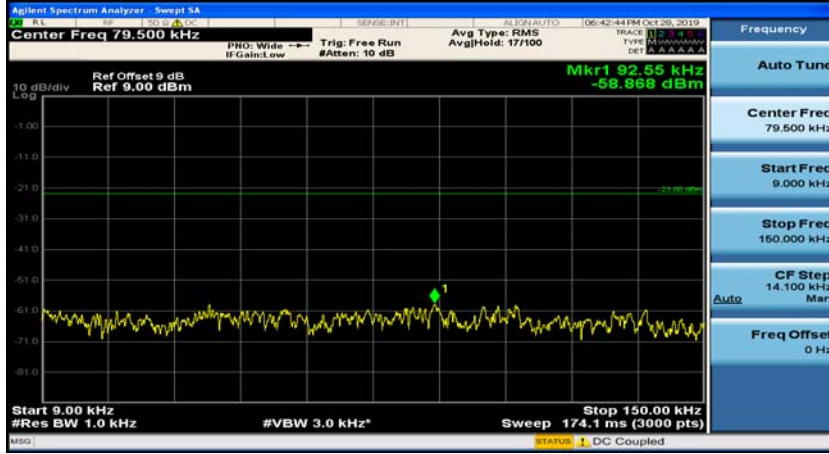
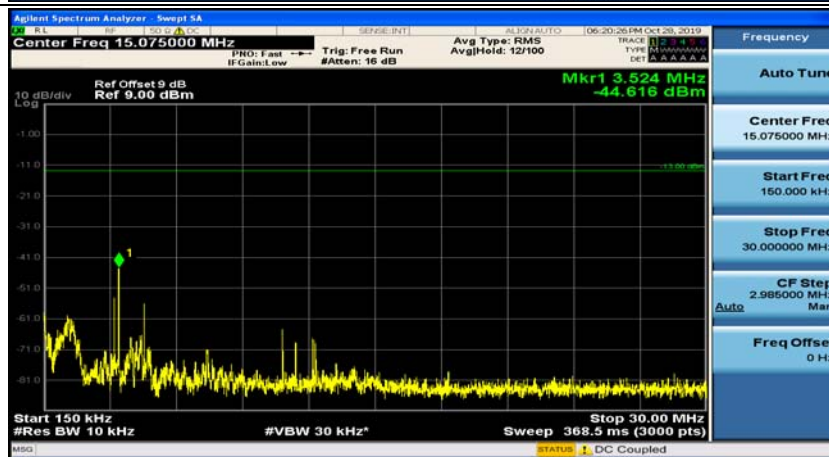| (Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49 |
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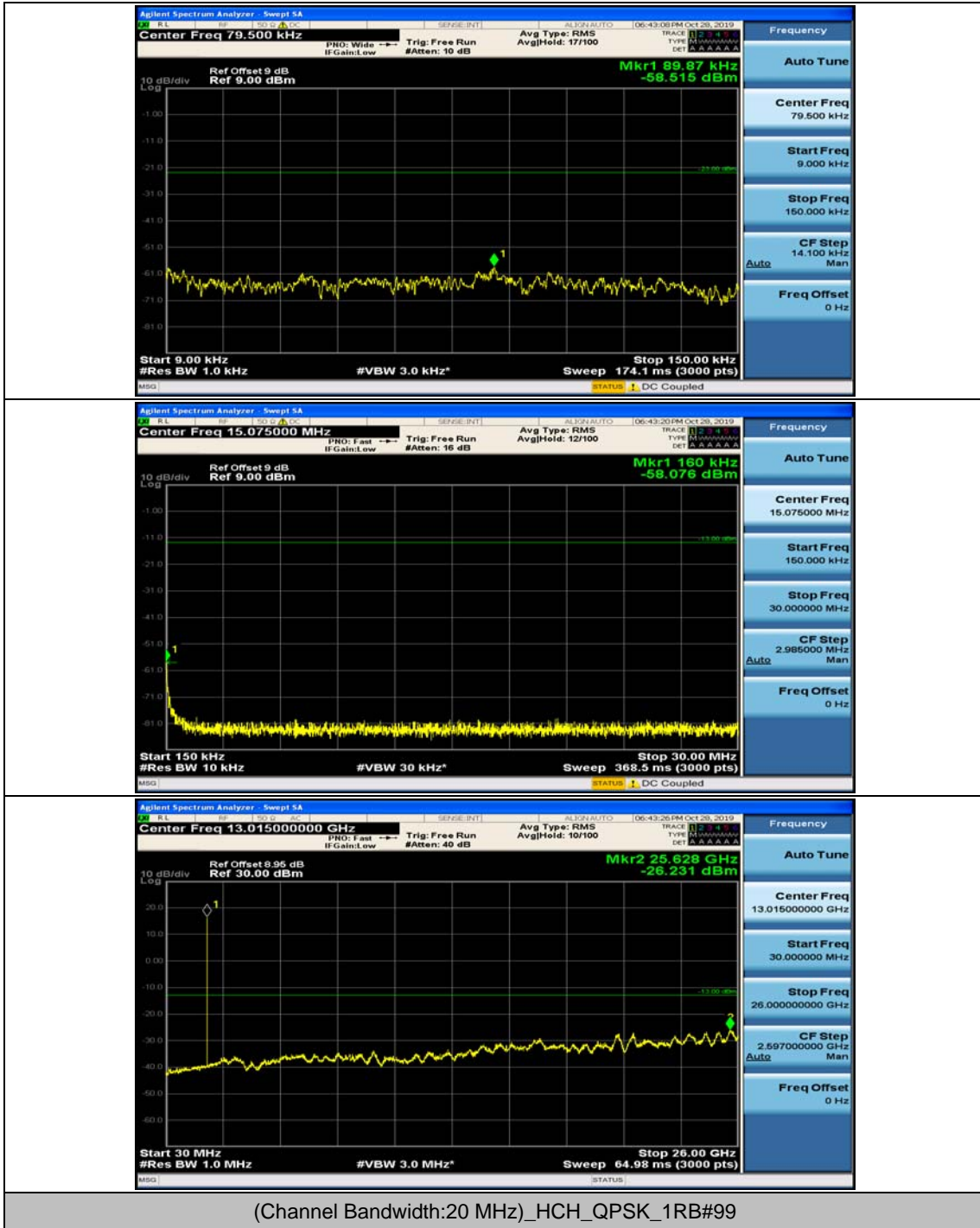
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#99
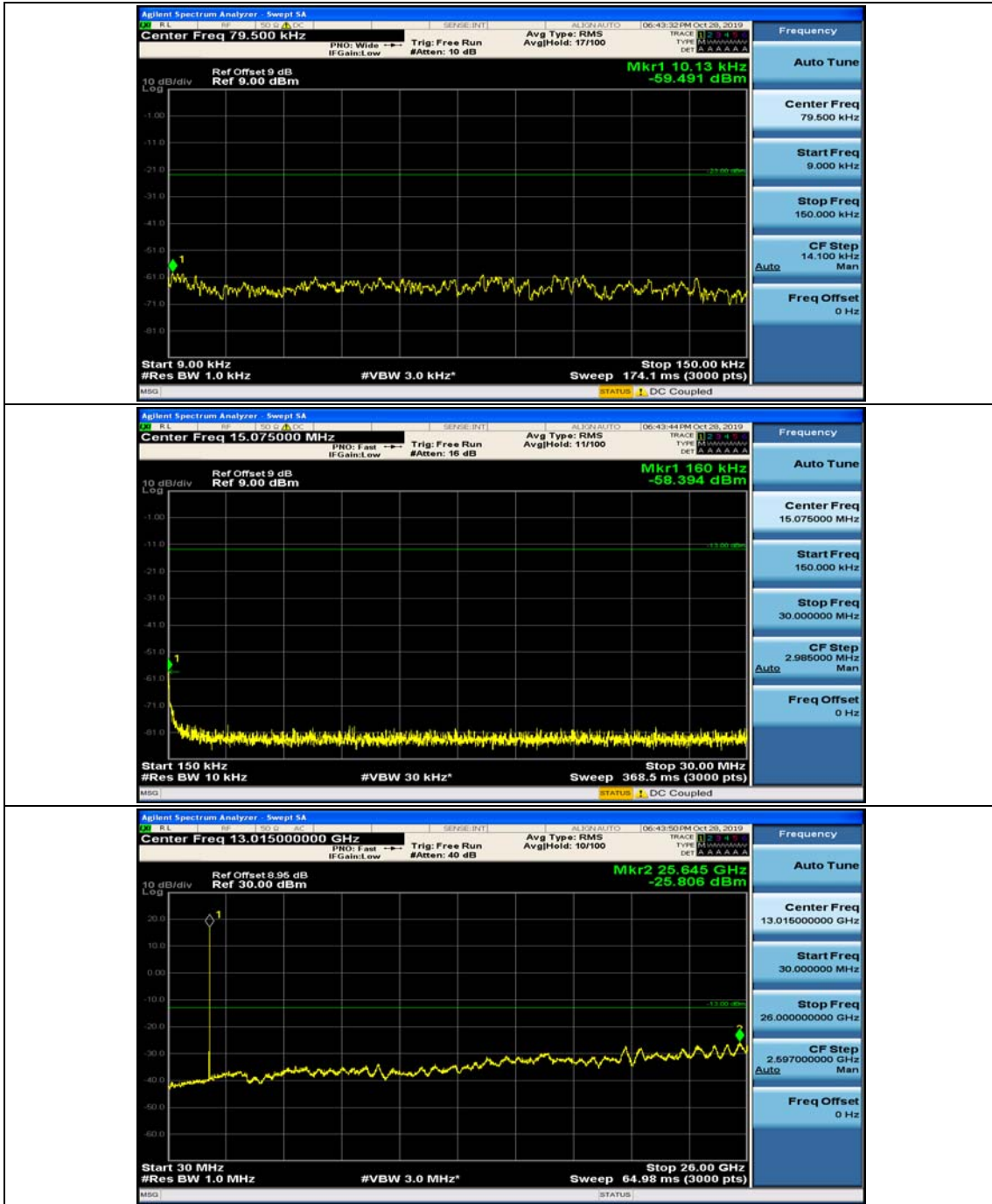
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49
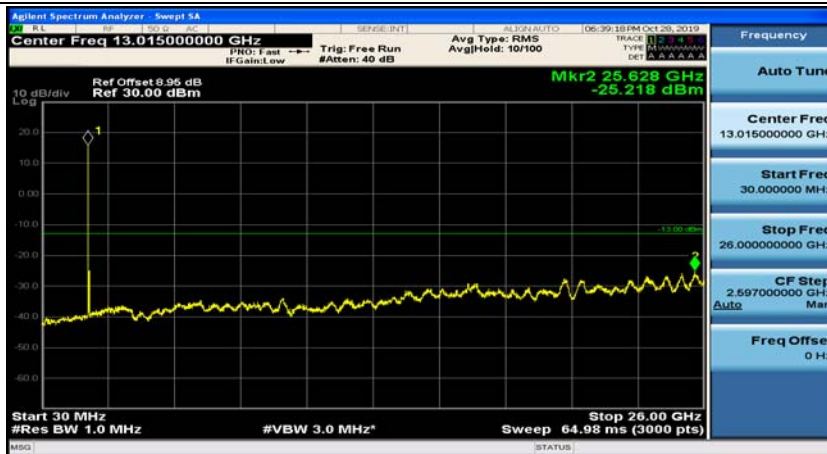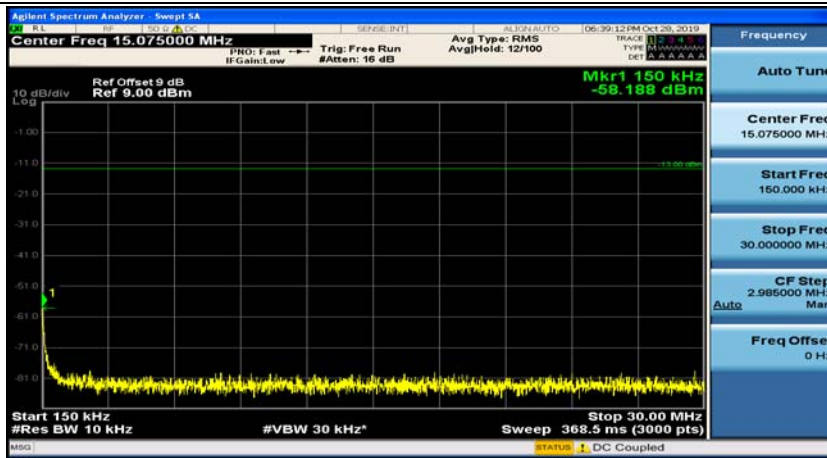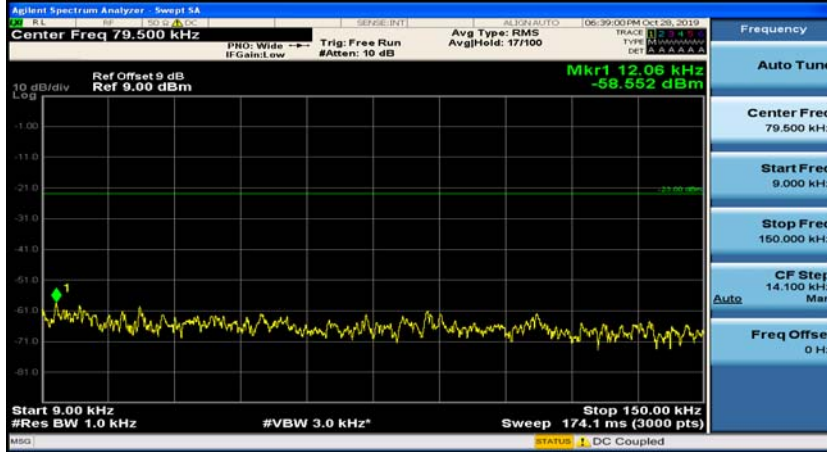
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#99
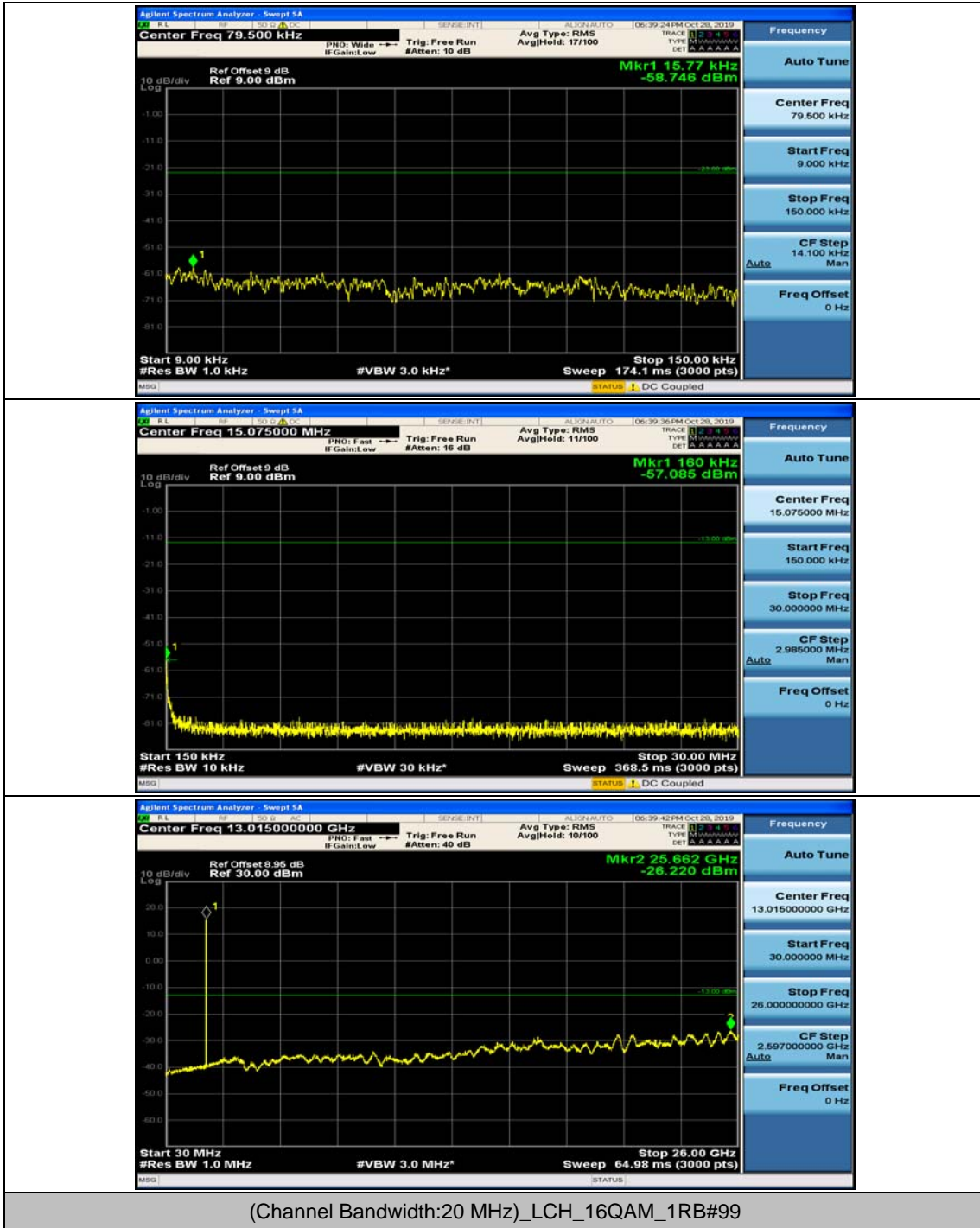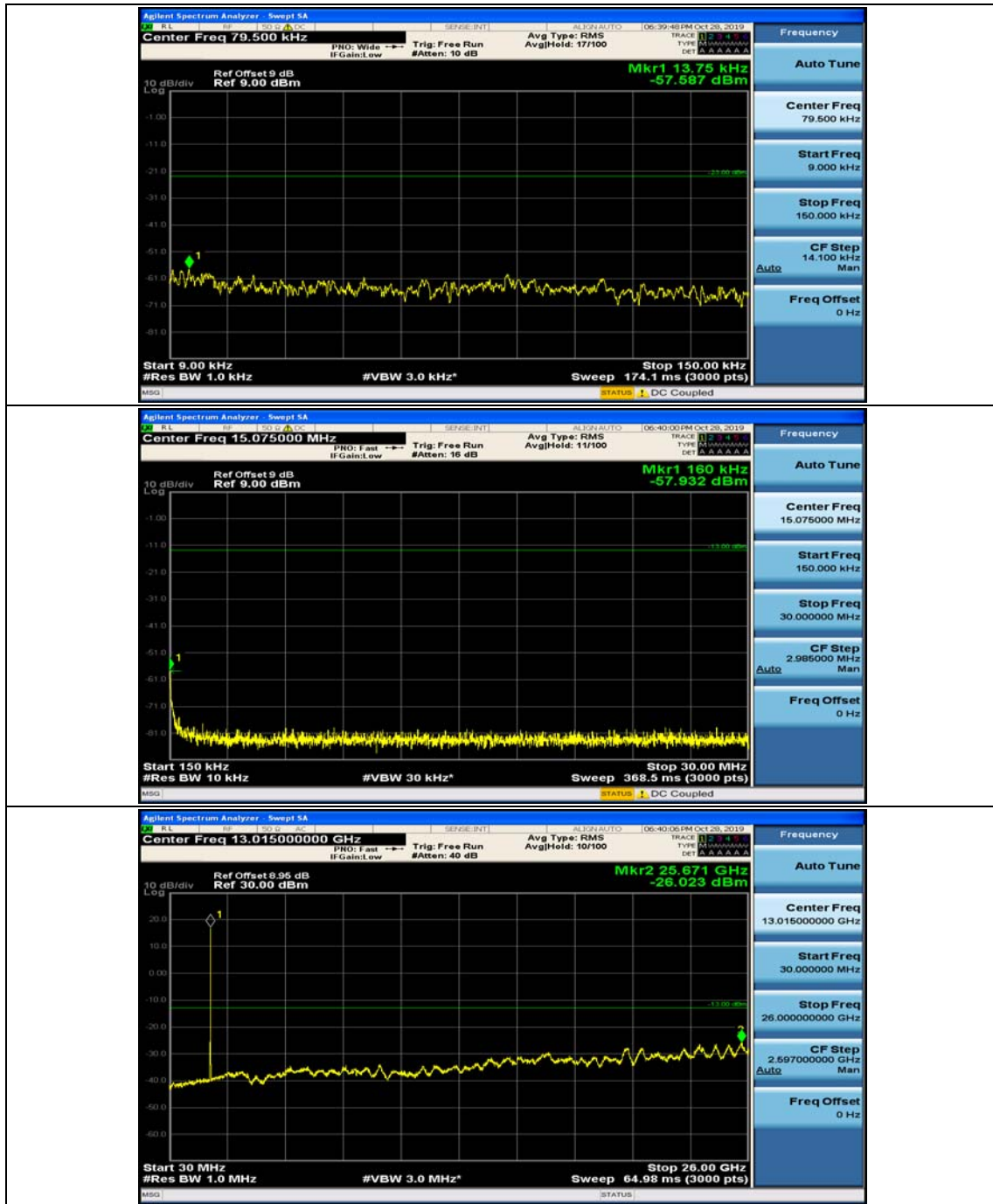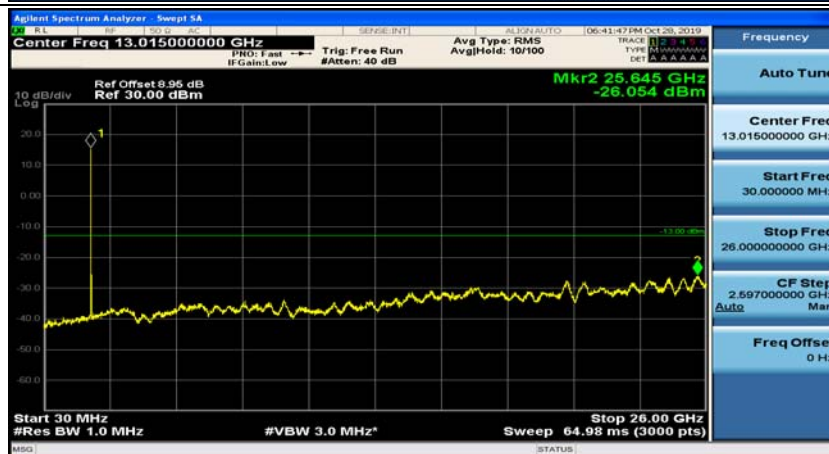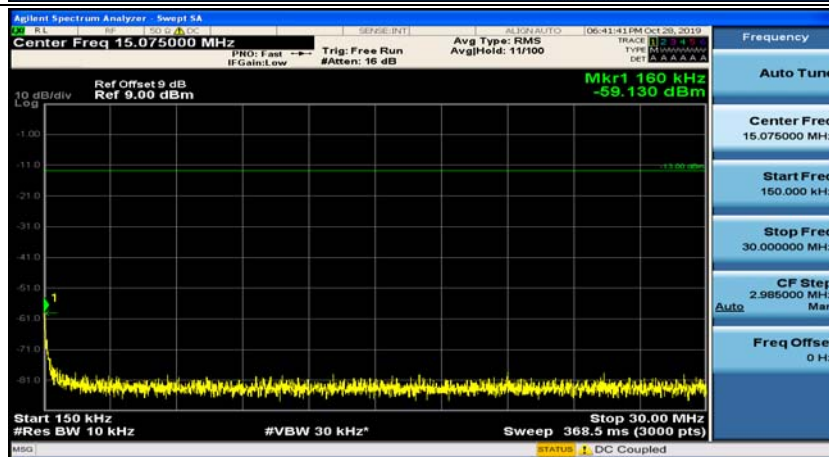
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

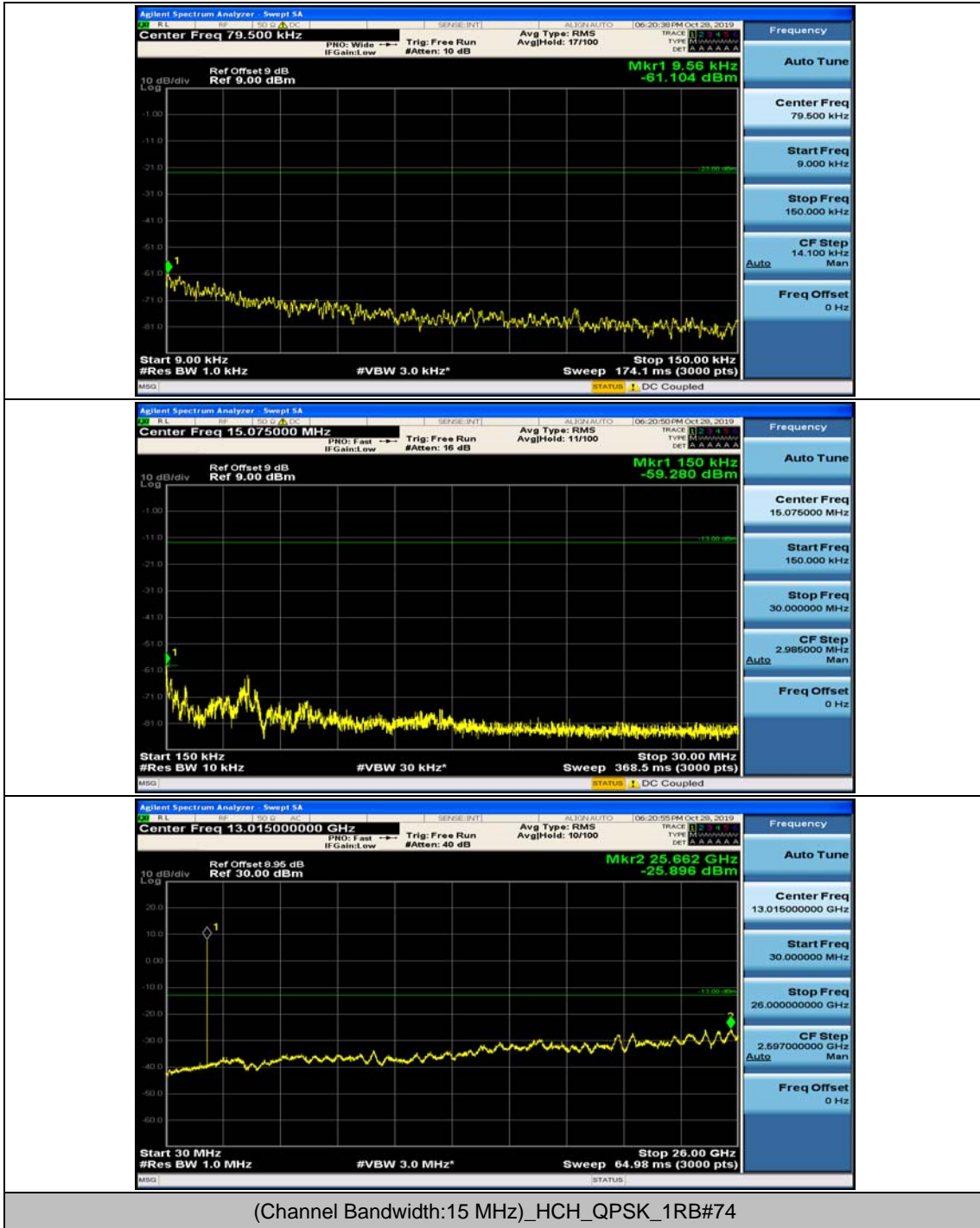| (Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49 |
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(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#99

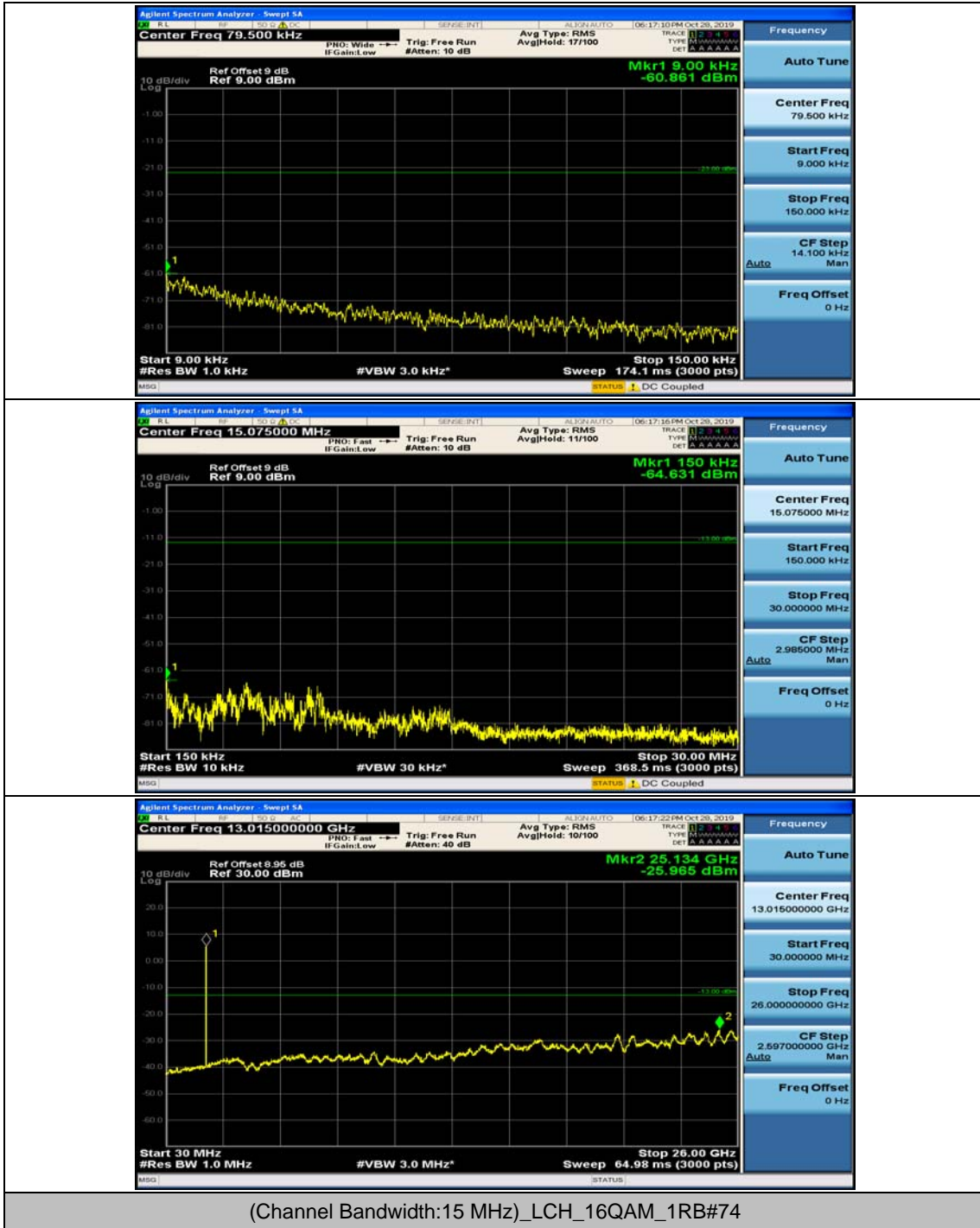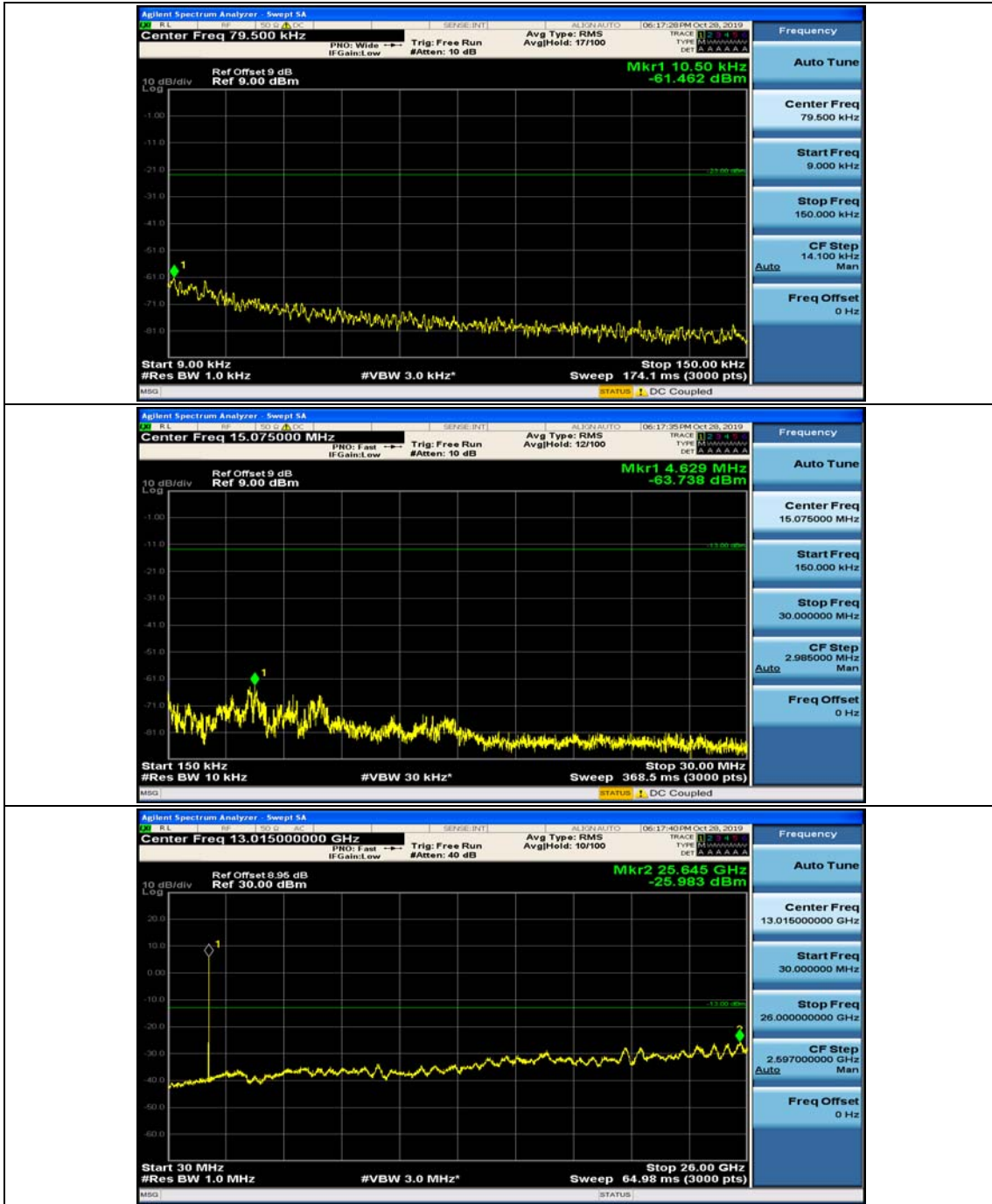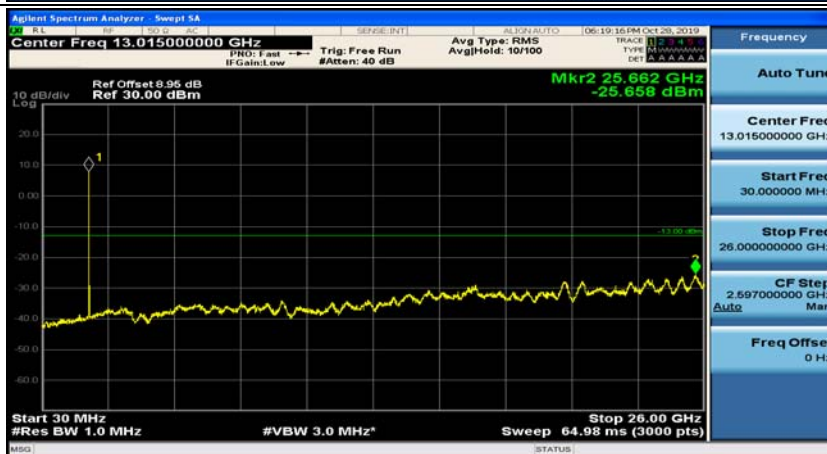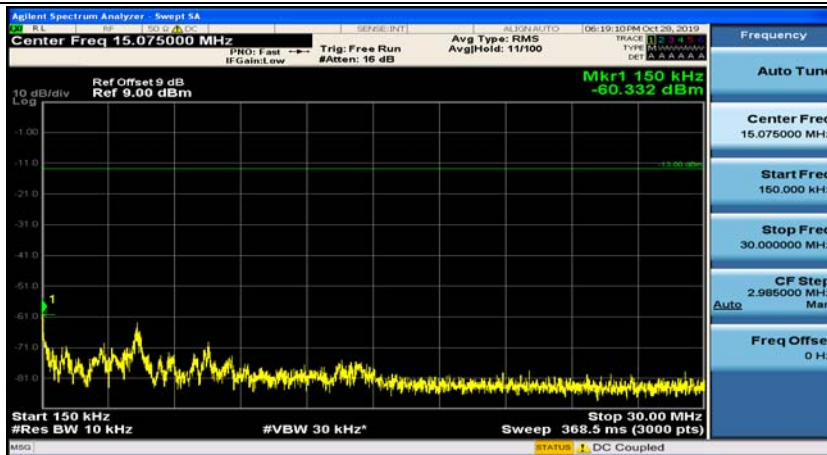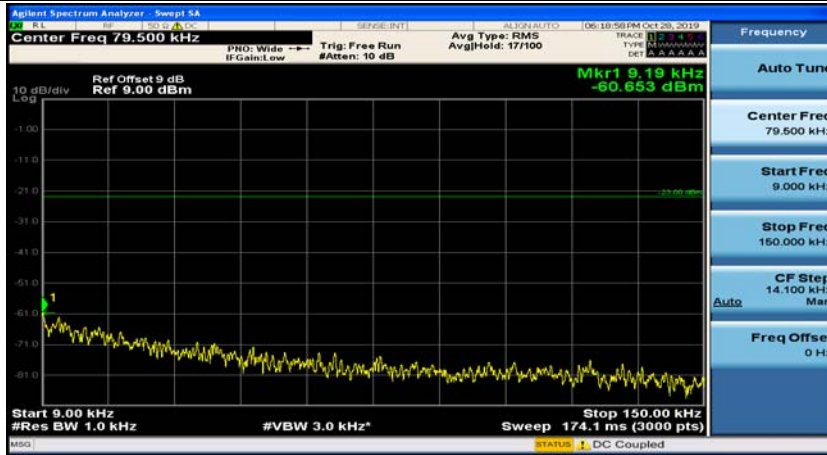| (Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0 |
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| (Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#49 |
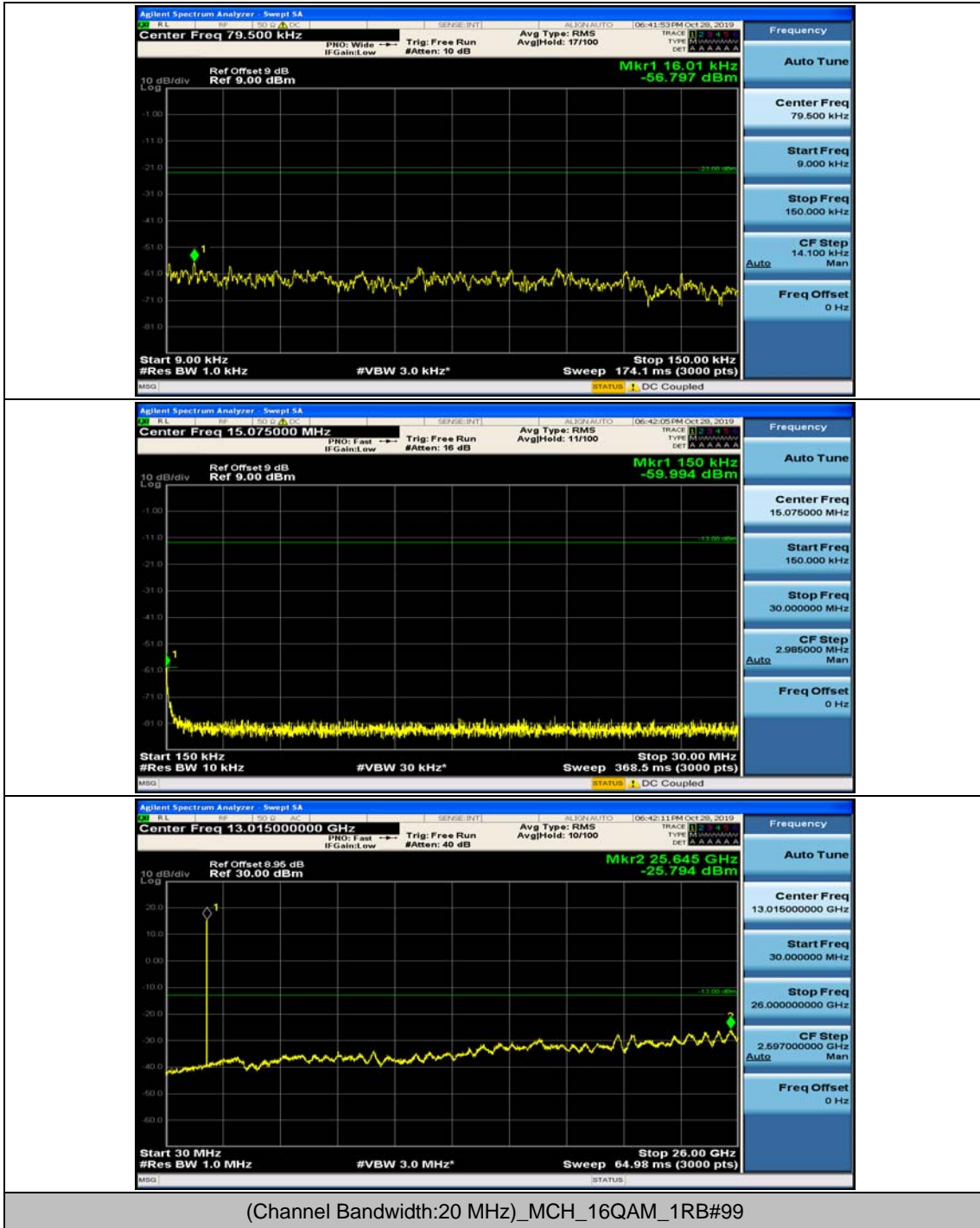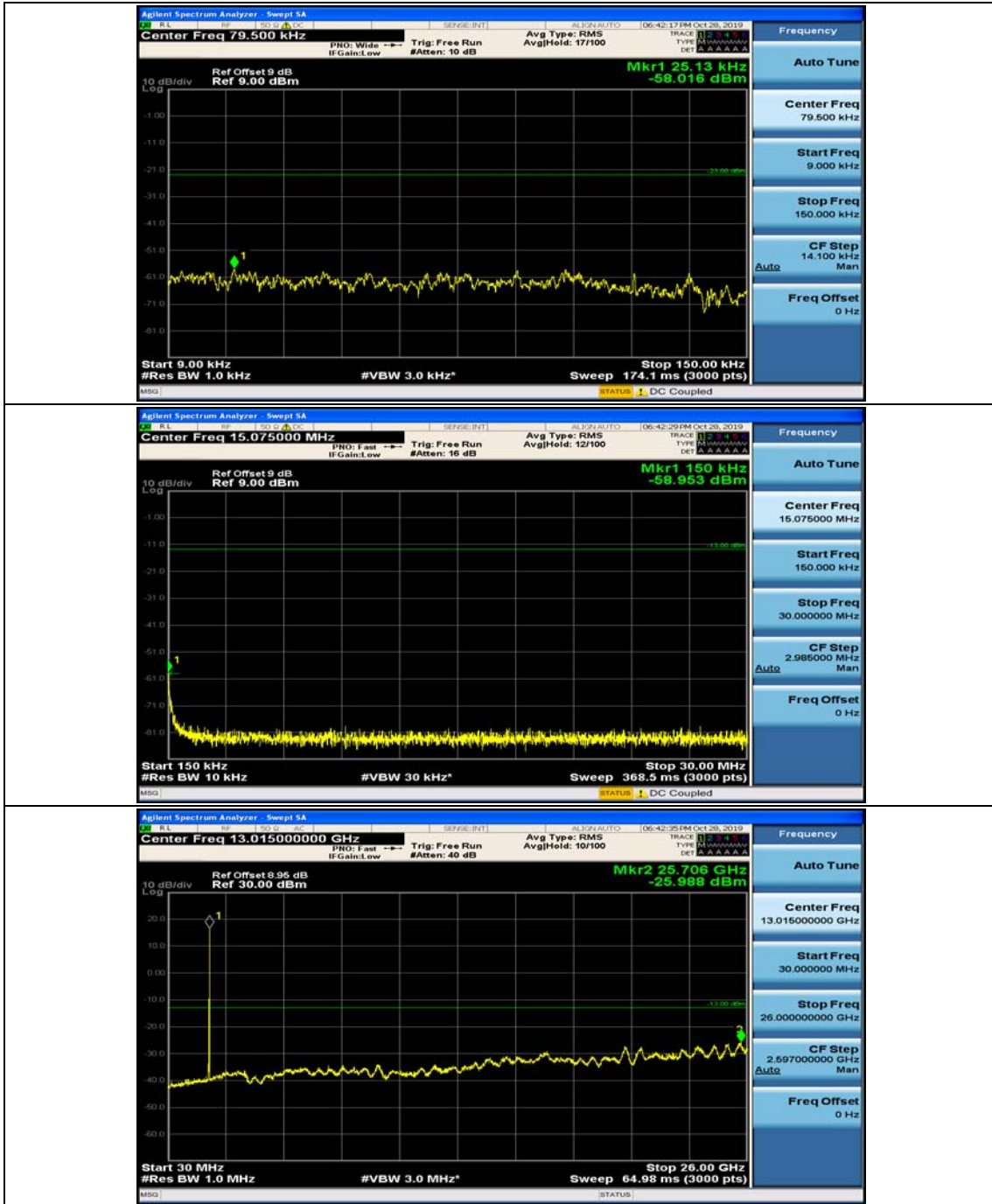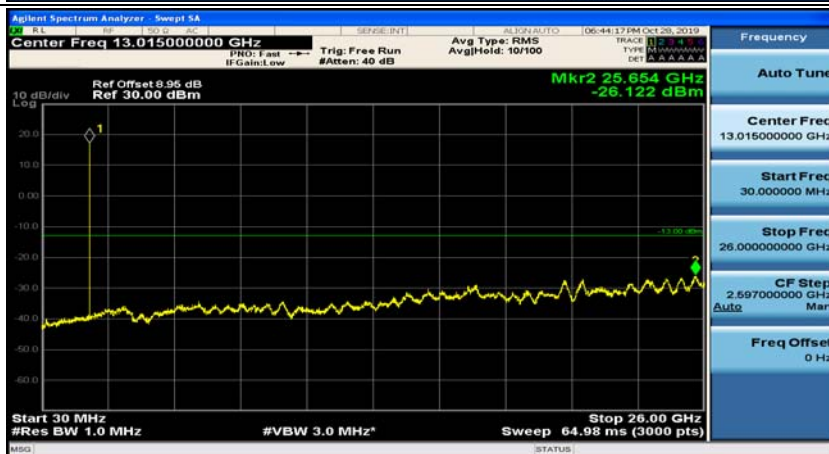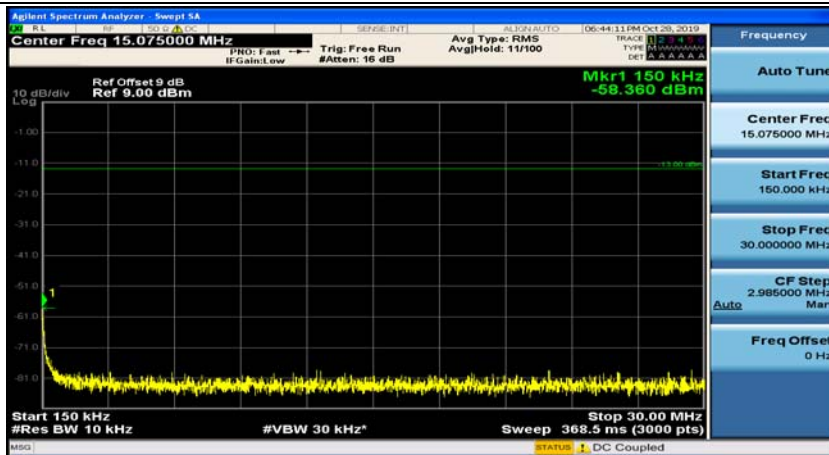
(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#99
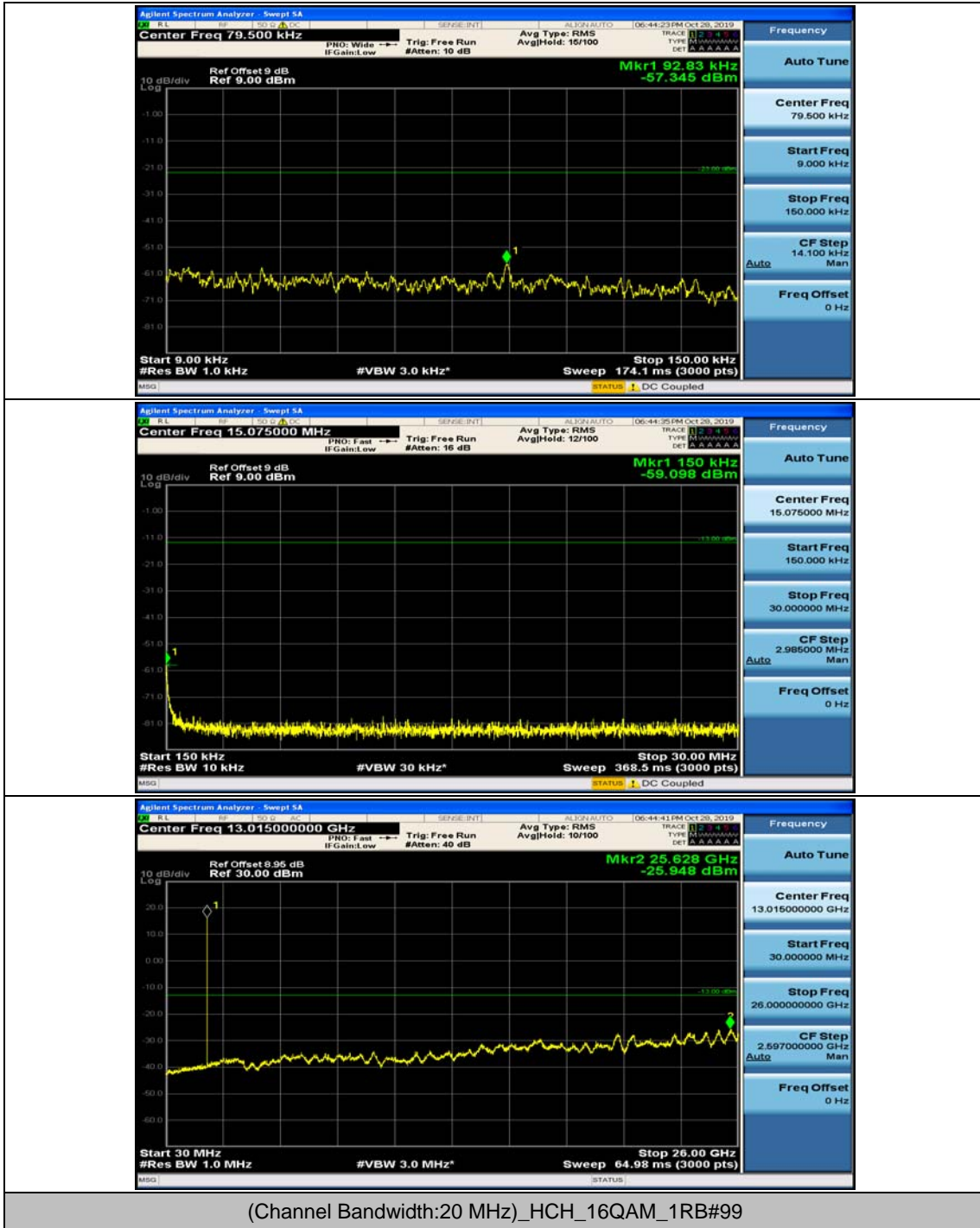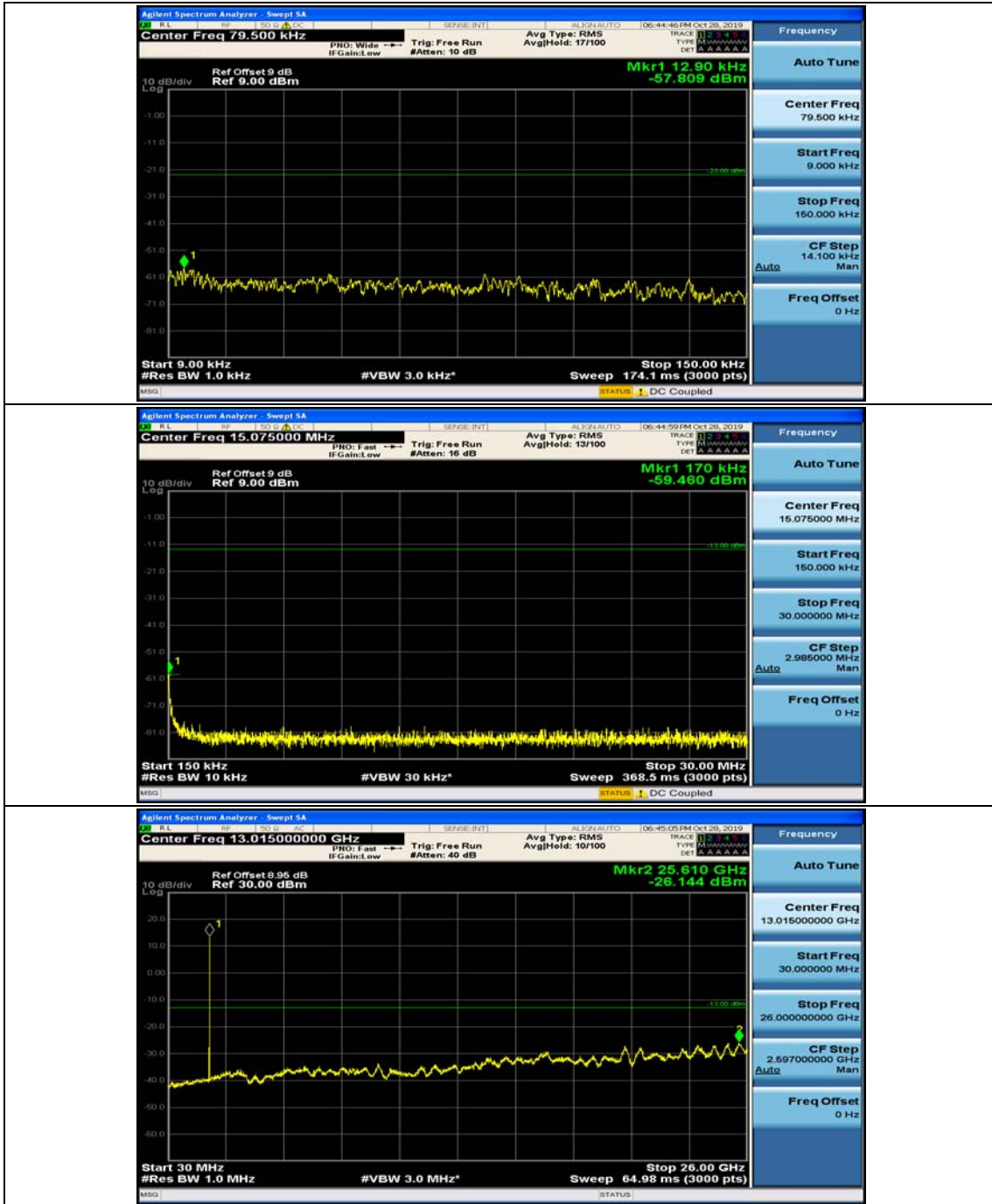
Appendix F: Frequency Stability

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	3.28	0.001772	± 2.5	PASS
		VN	TN	0.38	0.000205	± 2.5	PASS
		VH	TN	-1.7	-0.000919	± 2.5	PASS
	MCH	VL	TN	2.15	0.001144	± 2.5	PASS
		VN	TN	4.38	0.002330	± 2.5	PASS
		VH	TN	-1.15	-0.000612	± 2.5	PASS
	HCH	VL	TN	3.43	0.001796	± 2.5	PASS
		VN	TN	2.6	0.001362	± 2.5	PASS
		VH	TN	4.08	0.002137	± 2.5	PASS
16QAM	LCH	VL	TN	1.23	0.000665	± 2.5	PASS
		VN	TN	-0.99	-0.000535	± 2.5	PASS
		VH	TN	-1.33	-0.000719	± 2.5	PASS
	MCH	VL	TN	1.29	0.000686	± 2.5	PASS
		VN	TN	3.69	0.001963	± 2.5	PASS
		VH	TN	3.34	0.001777	± 2.5	PASS
	HCH	VL	TN	4.78	0.002504	± 2.5	PASS
		VN	TN	0.67	0.000351	± 2.5	PASS
		VH	TN	4.77	0.002498	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.6	0.001405	± 2.5	PASS
		VN	-20	0.49	0.000265	± 2.5	PASS
		VN	-10	0.09	0.000049	± 2.5	PASS
		VN	0	1.06	0.000573	± 2.5	PASS
		VN	10	1.68	0.000908	± 2.5	PASS
		VN	20	0.27	0.000146	± 2.5	PASS
		VN	30	3.9	0.002107	± 2.5	PASS
		VN	40	2.89	0.001562	± 2.5	PASS
		VN	50	-0.21	-0.000113	± 2.5	PASS
	MCH	VN	-30	-0.33	-0.000176	± 2.5	PASS

		VN	-20	0.14	0.000074	± 2.5	PASS
		VN	-10	2.45	0.001303	± 2.5	PASS
		VN	0	4.63	0.002463	± 2.5	PASS
		VN	10	-0.93	-0.000495	± 2.5	PASS
		VN	20	-1.32	-0.000702	± 2.5	PASS
		VN	30	3.14	0.001670	± 2.5	PASS
		VN	40	2.29	0.001218	± 2.5	PASS
		VN	50	1.48	0.000787	± 2.5	PASS
	HCH	VN	-30	-0.98	-0.000513	± 2.5	PASS
		VN	-20	4.78	0.002504	± 2.5	PASS
		VN	-10	1.66	0.000869	± 2.5	PASS
		VN	0	2.15	0.001126	± 2.5	PASS
		VN	10	0.2	0.000105	± 2.5	PASS
		VN	20	1.73	0.000906	± 2.5	PASS
		VN	30	4.9	0.002566	± 2.5	PASS
		VN	40	-1.82	-0.000953	± 2.5	PASS
		VN	50	0.71	0.000372	± 2.5	PASS
16QAM	LCH	VN	-30	-1.22	-0.000659	± 2.5	PASS
		VN	-20	2.48	0.001340	± 2.5	PASS
		VN	-10	-1.25	-0.000675	± 2.5	PASS
		VN	0	4.32	0.002334	± 2.5	PASS
		VN	10	4.63	0.002502	± 2.5	PASS
		VN	20	-1.57	-0.000848	± 2.5	PASS
		VN	30	1.41	0.000762	± 2.5	PASS
		VN	40	3.19	0.001724	± 2.5	PASS
		VN	50	4.24	0.002291	± 2.5	PASS
	MCH	VN	-30	-1.57	-0.000835	± 2.5	PASS
		VN	-20	4.15	0.002207	± 2.5	PASS
		VN	-10	0.7	0.000372	± 2.5	PASS
		VN	0	0.02	0.000011	± 2.5	PASS
		VN	10	-0.6	-0.000319	± 2.5	PASS
		VN	20	4.87	0.002590	± 2.5	PASS
		VN	30	1.86	0.000989	± 2.5	PASS
		VN	40	3.94	0.002096	± 2.5	PASS
		VN	50	-1.88	-0.001000	± 2.5	PASS
	HCH	VN	-30	3.54	0.001854	± 2.5	PASS
		VN	-20	0.04	0.000021	± 2.5	PASS
		VN	-10	3.98	0.002085	± 2.5	PASS
		VN	0	2.85	0.001493	± 2.5	PASS
		VN	10	4.92	0.002577	± 2.5	PASS
		VN	20	1.24	0.000649	± 2.5	PASS

		VN	30	-0.79	-0.000414	± 2.5	PASS
		VN	40	3.64	0.001906	± 2.5	PASS
		VN	50	2.44	0.001278	± 2.5	PASS

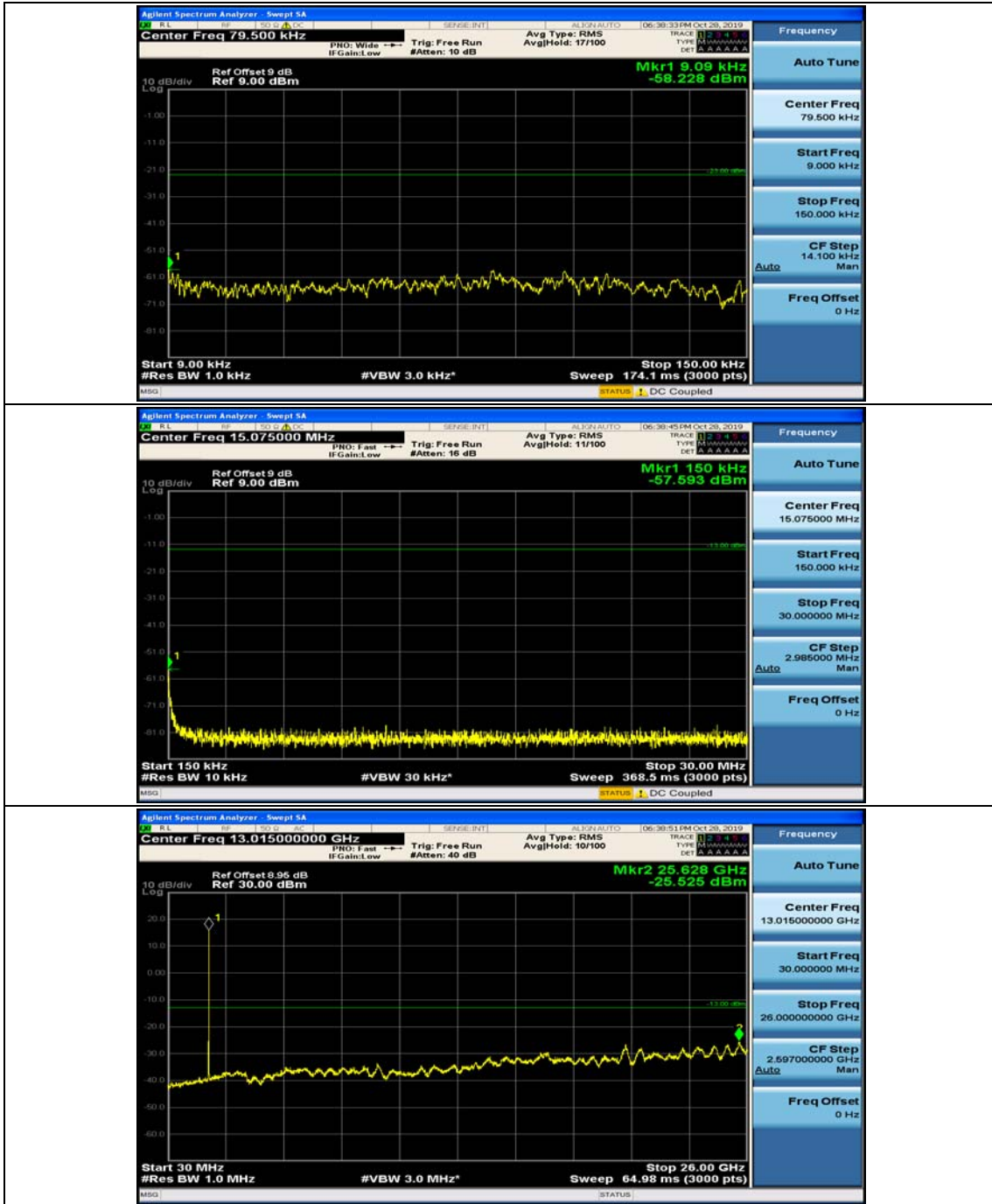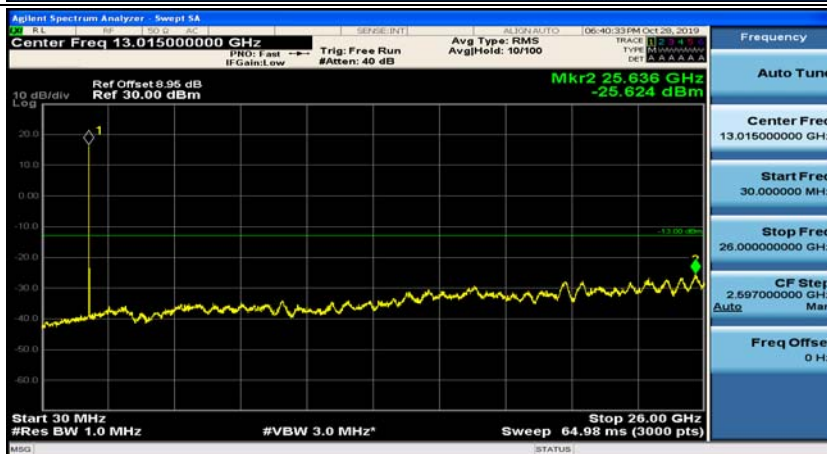## Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz+							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.75	-0.000405	± 2.5	PASS
		VN	TN	3.06	0.001653	± 2.5	PASS
		VH	TN	4.49	0.002425	± 2.5	PASS
	MCH	VL	TN	-0.92	-0.000489	± 2.5	PASS
		VN	TN	-1.89	-0.001005	± 2.5	PASS
		VH	TN	1.75	0.000931	± 2.5	PASS
	HCH	VL	TN	-0.01	-0.000005	± 2.5	PASS
		VN	TN	2.28	0.001195	± 2.5	PASS
		VH	TN	4.52	0.002368	± 2.5	PASS
16QAM	LCH	VL	TN	-1.03	-0.000556	± 2.5	PASS
		VN	TN	2.62	0.001415	± 2.5	PASS
		VH	TN	4.64	0.002506	± 2.5	PASS
	MCH	VL	TN	4.67	0.002484	± 2.5	PASS
		VN	TN	0.37	0.000197	± 2.5	PASS
		VH	TN	3.73	0.001984	± 2.5	PASS
	HCH	VL	TN	4.71	0.002468	± 2.5	PASS
		VN	TN	4.43	0.002321	± 2.5	PASS
		VH	TN	0.9	0.000472	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.16	-0.000627	± 2.5	PASS
		VN	-20	3.98	0.002150	± 2.5	PASS
		VN	-10	1.48	0.000799	± 2.5	PASS
		VN	0	-0.13	-0.000070	± 2.5	PASS
		VN	10	3.71	0.002004	± 2.5	PASS
		VN	20	3.32	0.001793	± 2.5	PASS
		VN	30	2.95	0.001593	± 2.5	PASS
		VN	40	4.43	0.002393	± 2.5	PASS
		VN	50	2.01	0.001086	± 2.5	PASS
	MCH	VN	-30	1.54	0.000819	± 2.5	PASS
		VN	-20	4.26	0.002266	± 2.5	PASS

		VN	-10	0.75	0.000399	± 2.5	PASS
		VN	0	-2	-0.001064	± 2.5	PASS
		VN	10	-0.41	-0.000218	± 2.5	PASS
		VN	20	4.3	0.002287	± 2.5	PASS
		VN	30	4.26	0.002266	± 2.5	PASS
		VN	40	2.55	0.001356	± 2.5	PASS
		VN	50	1.36	0.000723	± 2.5	PASS
	HCH	VN	-30	4.16	0.002180	± 2.5	PASS
		VN	-20	0.8	0.000419	± 2.5	PASS
		VN	-10	-0.81	-0.000424	± 2.5	PASS
		VN	0	1.25	0.000655	± 2.5	PASS
		VN	10	-1.66	-0.000870	± 2.5	PASS
		VN	20	2.29	0.001200	± 2.5	PASS
		VN	30	4.62	0.002421	± 2.5	PASS
		VN	40	-0.73	-0.000382	± 2.5	PASS
		VN	50	-1.78	-0.000933	± 2.5	PASS
16QAM	LCH	VN	-30	3.58	0.001934	± 2.5	PASS
		VN	-20	0.08	0.000043	± 2.5	PASS
		VN	-10	4.22	0.002279	± 2.5	PASS
		VN	0	-1.38	-0.000745	± 2.5	PASS
		VN	10	1.47	0.000794	± 2.5	PASS
		VN	20	3.54	0.001912	± 2.5	PASS
		VN	30	4.79	0.002587	± 2.5	PASS
		VN	40	-1.26	-0.000681	± 2.5	PASS
		VN	50	2.91	0.001572	± 2.5	PASS
	MCH	VN	-30	3.51	0.001867	± 2.5	PASS
		VN	-20	2.21	0.001176	± 2.5	PASS
		VN	-10	1.19	0.000633	± 2.5	PASS
		VN	0	3.34	0.001777	± 2.5	PASS
		VN	10	1.25	0.000665	± 2.5	PASS
		VN	20	4.47	0.002378	± 2.5	PASS
		VN	30	-0.89	-0.000473	± 2.5	PASS
		VN	40	-1.58	-0.000840	± 2.5	PASS
		VN	50	2.61	0.001388	± 2.5	PASS
	HCH	VN	-30	-0.97	-0.000508	± 2.5	PASS
		VN	-20	-0.49	-0.000257	± 2.5	PASS
		VN	-10	2.59	0.001357	± 2.5	PASS
		VN	0	2.08	0.001090	± 2.5	PASS
		VN	10	-0.07	-0.000037	± 2.5	PASS
		VN	20	-1.86	-0.000975	± 2.5	PASS
		VN	30	0.18	0.000094	± 2.5	PASS

		VN	40	-1.59	-0.000833	± 2.5	PASS
		VN	50	4.92	0.002578	± 2.5	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	0.92	0.000497	± 2.5	PASS
		VN	TN	-0.84	-0.000453	± 2.5	PASS
		VH	TN	-0.49	-0.000265	± 2.5	PASS
	MCH	VL	TN	4.94	0.002628	± 2.5	PASS
		VN	TN	2.24	0.001191	± 2.5	PASS
		VH	TN	3.9	0.002074	± 2.5	PASS
	HCH	VL	TN	2.79	0.001463	± 2.5	PASS
		VN	TN	0.07	0.000037	± 2.5	PASS
		VH	TN	1.68	0.000881	± 2.5	PASS
16QAM	LCH	VL	TN	-1.25	-0.000675	± 2.5	PASS
		VN	TN	0.06	0.000032	± 2.5	PASS
		VH	TN	-1.94	-0.001047	± 2.5	PASS
	MCH	VL	TN	-1.39	-0.000739	± 2.5	PASS
		VN	TN	1.06	0.000564	± 2.5	PASS
		VH	TN	-0.39	-0.000207	± 2.5	PASS
	HCH	VL	TN	3.91	0.002050	± 2.5	PASS
		VN	TN	-1.7	-0.000891	± 2.5	PASS
		VH	TN	4.09	0.002144	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.7	0.000378	± 2.5	PASS
		VN	-20	-1.78	-0.000961	± 2.5	PASS
		VN	-10	2.56	0.001382	± 2.5	PASS
		VN	0	0.41	0.000221	± 2.5	PASS
		VN	10	2.96	0.001598	± 2.5	PASS
		VN	20	2.64	0.001425	± 2.5	PASS
		VN	30	-1.64	-0.000885	± 2.5	PASS
		VN	40	-0.32	-0.000173	± 2.5	PASS
		VN	50	-1.6	-0.000864	± 2.5	PASS
	MCH	VN	-30	1	0.000532	± 2.5	PASS
		VN	-20	0.93	0.000495	± 2.5	PASS
		VN	-10	0.91	0.000484	± 2.5	PASS

		VN	0	0.6	0.000319	± 2.5	PASS
		VN	10	2.48	0.001319	± 2.5	PASS
		VN	20	4.29	0.002282	± 2.5	PASS
		VN	30	2.79	0.001484	± 2.5	PASS
		VN	40	3.04	0.001617	± 2.5	PASS
		VN	50	2.41	0.001282	± 2.5	PASS
	HCH	VN	-30	2.97	0.001557	± 2.5	PASS
		VN	-20	3.2	0.001678	± 2.5	PASS
		VN	-10	1.26	0.000661	± 2.5	PASS
		VN	0	-0.16	-0.000084	± 2.5	PASS
		VN	10	-1.69	-0.000886	± 2.5	PASS
		VN	20	0.58	0.000304	± 2.5	PASS
		VN	30	1.76	0.000923	± 2.5	PASS
		VN	40	2.26	0.001185	± 2.5	PASS
		VN	50	1.37	0.000718	± 2.5	PASS
16QAM	LCH	VN	-30	1.2	0.000648	± 2.5	PASS
		VN	-20	4.07	0.002197	± 2.5	PASS
		VN	-10	1.89	0.001020	± 2.5	PASS
		VN	0	0.88	0.000475	± 2.5	PASS
		VN	10	3.19	0.001722	± 2.5	PASS
		VN	20	-1.35	-0.000729	± 2.5	PASS
		VN	30	3.28	0.001771	± 2.5	PASS
		VN	40	-0.09	-0.000049	± 2.5	PASS
		VN	50	4.13	0.002229	± 2.5	PASS
	MCH	VN	-30	3.78	0.002011	± 2.5	PASS
		VN	-20	2.29	0.001218	± 2.5	PASS
		VN	-10	3.59	0.001910	± 2.5	PASS
		VN	0	-1.51	-0.000803	± 2.5	PASS
		VN	10	2.68	0.001426	± 2.5	PASS
		VN	20	2.39	0.001271	± 2.5	PASS
		VN	30	2.49	0.001324	± 2.5	PASS
		VN	40	0.79	0.000420	± 2.5	PASS
		VN	50	1.29	0.000686	± 2.5	PASS
	HCH	VN	-30	4.5	0.002359	± 2.5	PASS
		VN	-20	0.6	0.000315	± 2.5	PASS
		VN	-10	3.43	0.001798	± 2.5	PASS
		VN	0	-1.38	-0.000723	± 2.5	PASS
		VN	10	-1.87	-0.000980	± 2.5	PASS
		VN	20	4.18	0.002191	± 2.5	PASS
		VN	30	-0.93	-0.000488	± 2.5	PASS
		VN	40	4.93	0.002585	± 2.5	PASS

		VN	50	4.71	0.002469	± 2.5	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.07	-0.000038	± 2.5	PASS
		VN	TN	0.97	0.000523	± 2.5	PASS
		VH	TN	2.83	0.001526	± 2.5	PASS
	MCH	VL	TN	2.7	0.001436	± 2.5	PASS
		VN	TN	-0.65	-0.000346	± 2.5	PASS
		VH	TN	3.84	0.002043	± 2.5	PASS
	HCH	VL	TN	3.85	0.002021	± 2.5	PASS
		VN	TN	0.19	0.000100	± 2.5	PASS
		VH	TN	-1.99	-0.001045	± 2.5	PASS
16QAM	LCH	VL	TN	-1.47	-0.000792	± 2.5	PASS
		VN	TN	0.36	0.000194	± 2.5	PASS
		VH	TN	1.58	0.000852	± 2.5	PASS
	MCH	VL	TN	-0.76	-0.000404	± 2.5	PASS
		VN	TN	-0.41	-0.000218	± 2.5	PASS
		VH	TN	1.99	0.001059	± 2.5	PASS
	HCH	VL	TN	-1.27	-0.000667	± 2.5	PASS
		VN	TN	2.97	0.001559	± 2.5	PASS
		VH	TN	-0.22	-0.000115	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.09	0.000588	± 2.5	PASS
		VN	-20	1.88	0.001013	± 2.5	PASS
		VN	-10	4.57	0.002464	± 2.5	PASS
		VN	0	3.43	0.001849	± 2.5	PASS
		VN	10	-1.55	-0.000836	± 2.5	PASS
		VN	20	-0.18	-0.000097	± 2.5	PASS
		VN	30	0.66	0.000356	± 2.5	PASS
		VN	40	-1.85	-0.000997	± 2.5	PASS
		VN	50	2.24	0.001208	± 2.5	PASS
	MCH	VN	-30	1.46	0.000777	± 2.5	PASS
		VN	-20	1.31	0.000697	± 2.5	PASS
		VN	-10	-0.6	-0.000319	± 2.5	PASS
		VN	0	-1.17	-0.000622	± 2.5	PASS

		VN	10	0.32	0.000170	± 2.5	PASS
		VN	20	-1.4	-0.000745	± 2.5	PASS
		VN	30	0.57	0.000303	± 2.5	PASS
		VN	40	3.66	0.001947	± 2.5	PASS
		VN	50	4.15	0.002207	± 2.5	PASS
	HCH	VN	-30	4.5	0.002362	± 2.5	PASS
		VN	-20	-1.6	-0.000840	± 2.5	PASS
		VN	-10	2.1	0.001102	± 2.5	PASS
		VN	0	-1.82	-0.000955	± 2.5	PASS
		VN	10	1.23	0.000646	± 2.5	PASS
		VN	20	3.82	0.002005	± 2.5	PASS
		VN	30	4.22	0.002215	± 2.5	PASS
		VN	40	3.21	0.001685	± 2.5	PASS
		VN	50	-0.06	-0.000031	± 2.5	PASS
16QAM	LCH	VN	-30	2.53	0.001364	± 2.5	PASS
		VN	-20	1.43	0.000771	± 2.5	PASS
		VN	-10	-0.76	-0.000410	± 2.5	PASS
		VN	0	-0.82	-0.000442	± 2.5	PASS
		VN	10	0.22	0.000119	± 2.5	PASS
		VN	20	-1.87	-0.001008	± 2.5	PASS
		VN	30	-1.7	-0.000916	± 2.5	PASS
		VN	40	2.47	0.001332	± 2.5	PASS
		VN	50	-1.27	-0.000685	± 2.5	PASS
	MCH	VN	-30	1.18	0.000628	± 2.5	PASS
		VN	-20	-0.01	-0.000005	± 2.5	PASS
		VN	-10	-1.95	-0.001037	± 2.5	PASS
		VN	0	4.85	0.002580	± 2.5	PASS
		VN	10	0.73	0.000388	± 2.5	PASS
		VN	20	0.84	0.000447	± 2.5	PASS
		VN	30	4.51	0.002399	± 2.5	PASS
		VN	40	3.38	0.001798	± 2.5	PASS
		VN	50	-1.02	-0.000543	± 2.5	PASS
	HCH	VN	-30	3.55	0.001864	± 2.5	PASS
		VN	-20	0.61	0.000320	± 2.5	PASS
		VN	-10	-1.02	-0.000535	± 2.5	PASS
		VN	0	-0.66	-0.000346	± 2.5	PASS
		VN	10	-1.72	-0.000903	± 2.5	PASS
		VN	20	-0.22	-0.000115	± 2.5	PASS
		VN	30	2.56	0.001344	± 2.5	PASS
		VN	40	4.27	0.002241	± 2.5	PASS
		VN	50	1.76	0.000924	± 2.5	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	0.16	0.000086	± 2.5	PASS
		VN	TN	0.71	0.000382	± 2.5	PASS
		VH	TN	4.31	0.002320	± 2.5	PASS
	MCH	VL	TN	3.28	0.001745	± 2.5	PASS
		VN	TN	4.88	0.002596	± 2.5	PASS
		VH	TN	-1.03	-0.000548	± 2.5	PASS
	HCH	VL	TN	-1.28	-0.000673	± 2.5	PASS
		VN	TN	-0.73	-0.000384	± 2.5	PASS
		VH	TN	-1.59	-0.000836	± 2.5	PASS
16QAM	LCH	VL	TN	2.27	0.001222	± 2.5	PASS
		VN	TN	2.15	0.001157	± 2.5	PASS
		VH	TN	-1	-0.000538	± 2.5	PASS
	MCH	VL	TN	2.29	0.001218	± 2.5	PASS
		VN	TN	1.1	0.000585	± 2.5	PASS
		VH	TN	0.95	0.000505	± 2.5	PASS
	HCH	VL	TN	-1.32	-0.000694	± 2.5	PASS
		VN	TN	2.26	0.001188	± 2.5	PASS
		VH	TN	-1.72	-0.000903	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.79	0.002040	± 2.5	PASS
		VN	-20	3.72	0.002003	± 2.5	PASS
		VN	-10	1.97	0.001061	± 2.5	PASS
		VN	0	-0.23	-0.000124	± 2.5	PASS
		VN	10	-1.53	-0.000824	± 2.5	PASS
		VN	20	4.29	0.002310	± 2.5	PASS
		VN	30	4.66	0.002509	± 2.5	PASS
		VN	40	-0.02	-0.000011	± 2.5	PASS
		VN	50	4.33	0.002331	± 2.5	PASS
	MCH	VN	-30	3.13	0.001665	± 2.5	PASS
		VN	-20	4.73	0.002516	± 2.5	PASS
		VN	-10	-1.91	-0.001016	± 2.5	PASS
		VN	0	2.03	0.001080	± 2.5	PASS
		VN	10	-1.27	-0.000676	± 2.5	PASS
		VN	20	4.63	0.002463	± 2.5	PASS

		VN	30	2.66	0.001415	± 2.5	PASS
		VN	40	0.14	0.000074	± 2.5	PASS
		VN	50	4.31	0.002293	± 2.5	PASS
	HCH	VN	-30	1.54	0.000809	± 2.5	PASS
		VN	-20	2.42	0.001272	± 2.5	PASS
		VN	-10	4.94	0.002597	± 2.5	PASS
		VN	0	4.43	0.002329	± 2.5	PASS
		VN	10	-1.15	-0.000604	± 2.5	PASS
		VN	20	-0.93	-0.000489	± 2.5	PASS
		VN	30	1.97	0.001035	± 2.5	PASS
		VN	40	4.04	0.002124	± 2.5	PASS
		VN	50	-1.32	-0.000694	± 2.5	PASS
16QAM	LCH	VN	-30	-0.74	-0.000398	± 2.5	PASS
		VN	-20	0.73	0.000393	± 2.5	PASS
		VN	-10	0.5	0.000269	± 2.5	PASS
		VN	0	1.97	0.001061	± 2.5	PASS
		VN	10	3.6	0.001938	± 2.5	PASS
		VN	20	-1.92	-0.001034	± 2.5	PASS
		VN	30	3.82	0.002057	± 2.5	PASS
		VN	40	0.4	0.000215	± 2.5	PASS
		VN	50	1.58	0.000851	± 2.5	PASS
	MCH	VN	-30	-0.91	-0.000484	± 2.5	PASS
		VN	-20	2.05	0.001090	± 2.5	PASS
		VN	-10	2.12	0.001128	± 2.5	PASS
		VN	0	2.14	0.001138	± 2.5	PASS
		VN	10	1.12	0.000596	± 2.5	PASS
		VN	20	0.84	0.000447	± 2.5	PASS
		VN	30	1.96	0.001043	± 2.5	PASS
		VN	40	3.7	0.001968	± 2.5	PASS
		VN	50	4.52	0.002404	± 2.5	PASS
	HCH	VN	-30	1.46	0.000767	± 2.5	PASS
		VN	-20	4.74	0.002491	± 2.5	PASS
		VN	-10	3.87	0.002034	± 2.5	PASS
		VN	0	0.4	0.000210	± 2.5	PASS
		VN	10	-0.2	-0.000105	± 2.5	PASS
		VN	20	1.7	0.000894	± 2.5	PASS
		VN	30	4.24	0.002229	± 2.5	PASS
		VN	40	3.85	0.002024	± 2.5	PASS
		VN	50	-0.74	-0.000389	± 2.5	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	0.48	0.000258	± 2.5	PASS
		VN	TN	3.56	0.001914	± 2.5	PASS
		VH	TN	3.03	0.001629	± 2.5	PASS
	MCH	VL	TN	0.27	0.000144	± 2.5	PASS
		VN	TN	-0.47	-0.000250	± 2.5	PASS
		VH	TN	0.58	0.000309	± 2.5	PASS
	HCH	VL	TN	3.06	0.001611	± 2.5	PASS
		VN	TN	4.73	0.002489	± 2.5	PASS
		VH	TN	0.87	0.000458	± 2.5	PASS
16QAM	LCH	VL	TN	2.94	0.001581	± 2.5	PASS
		VN	TN	-0.4	-0.000215	± 2.5	PASS
		VH	TN	2.1	0.001129	± 2.5	PASS
	MCH	VL	TN	4.02	0.002138	± 2.5	PASS
		VN	TN	0.01	0.000005	± 2.5	PASS
		VH	TN	4.6	0.002447	± 2.5	PASS
	HCH	VL	TN	-1.57	-0.000826	± 2.5	PASS
		VN	TN	-0.31	-0.000163	± 2.5	PASS
		VH	TN	0.76	0.000400	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.84	-0.000452	± 2.5	PASS
		VN	-20	3.95	0.002124	± 2.5	PASS
		VN	-10	-1.8	-0.000968	± 2.5	PASS
		VN	0	0.64	0.000344	± 2.5	PASS
		VN	10	-0.06	-0.000032	± 2.5	PASS
		VN	20	-0.26	-0.000140	± 2.5	PASS
		VN	30	1.19	0.000640	± 2.5	PASS
		VN	40	-1.19	-0.000640	± 2.5	PASS
		VN	50	0.17	0.000091	± 2.5	PASS
	MCH	VN	-30	-1.94	-0.001032	± 2.5	PASS
		VN	-20	1.74	0.000926	± 2.5	PASS
		VN	-10	1.74	0.000926	± 2.5	PASS
		VN	0	0.06	0.000032	± 2.5	PASS
		VN	10	-0.15	-0.000080	± 2.5	PASS
		VN	20	4.64	0.002468	± 2.5	PASS

		VN	30	1.33	0.000707	± 2.5	PASS
		VN	40	2.03	0.001080	± 2.5	PASS
		VN	50	4.09	0.002176	± 2.5	PASS
	HCH	VN	-30	1.96	0.001032	± 2.5	PASS
		VN	-20	3.95	0.002079	± 2.5	PASS
		VN	-10	2.17	0.001142	± 2.5	PASS
		VN	0	3.38	0.001779	± 2.5	PASS
		VN	10	1.59	0.000837	± 2.5	PASS
		VN	20	2.3	0.001211	± 2.5	PASS
		VN	30	1.45	0.000763	± 2.5	PASS
		VN	40	-1.17	-0.000616	± 2.5	PASS
		VN	50	-0.19	-0.000100	± 2.5	PASS
16QAM	LCH	VN	-30	0.38	0.000204	± 2.5	PASS
		VN	-20	2.41	0.001296	± 2.5	PASS
		VN	-10	0.01	0.000005	± 2.5	PASS
		VN	0	1.21	0.000651	± 2.5	PASS
		VN	10	-1.83	-0.000984	± 2.5	PASS
		VN	20	3.53	0.001898	± 2.5	PASS
		VN	30	1.23	0.000661	± 2.5	PASS
		VN	40	0.85	0.000457	± 2.5	PASS
		VN	50	0.65	0.000349	± 2.5	PASS
	MCH	VN	-30	2.92	0.001553	± 2.5	PASS
		VN	-20	4.09	0.002176	± 2.5	PASS
		VN	-10	1.92	0.001021	± 2.5	PASS
		VN	0	3.88	0.002064	± 2.5	PASS
		VN	10	-1.99	-0.001059	± 2.5	PASS
		VN	20	4.11	0.002186	± 2.5	PASS
		VN	30	0.64	0.000340	± 2.5	PASS
		VN	40	0.47	0.000250	± 2.5	PASS
		VN	50	2.16	0.001149	± 2.5	PASS
	HCH	VN	-30	3.14	0.001653	± 2.5	PASS
		VN	-20	-1.84	-0.000968	± 2.5	PASS
		VN	-10	3.85	0.002026	± 2.5	PASS
		VN	0	0.16	0.000084	± 2.5	PASS
		VN	10	4.4	0.002316	± 2.5	PASS
		VN	20	4.66	0.002453	± 2.5	PASS
		VN	30	-1.96	-0.001032	± 2.5	PASS
		VN	40	-1.24	-0.000653	± 2.5	PASS
		VN	50	-1.61	-0.000847	± 2.5	PASS