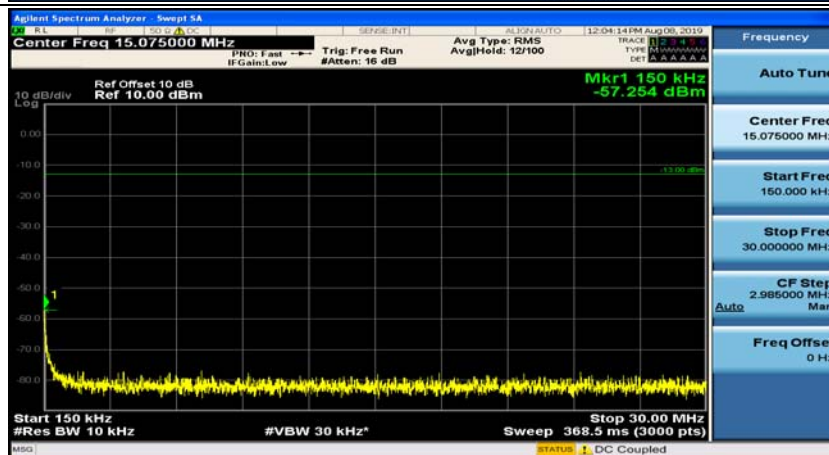| (Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0 |
|---|

(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

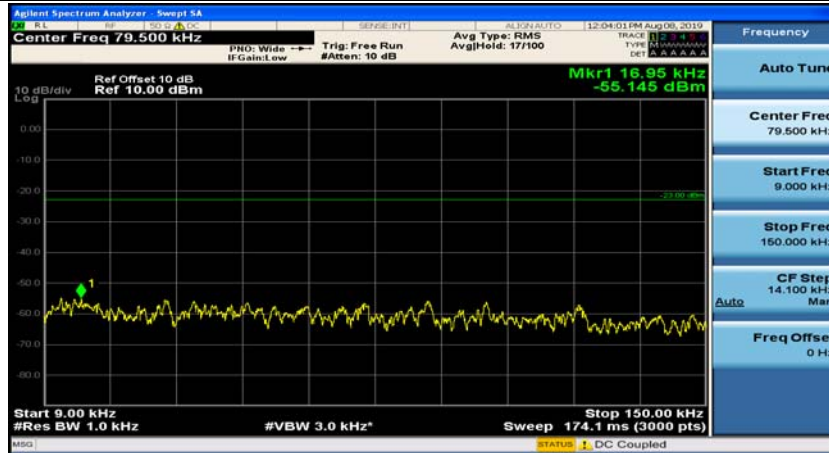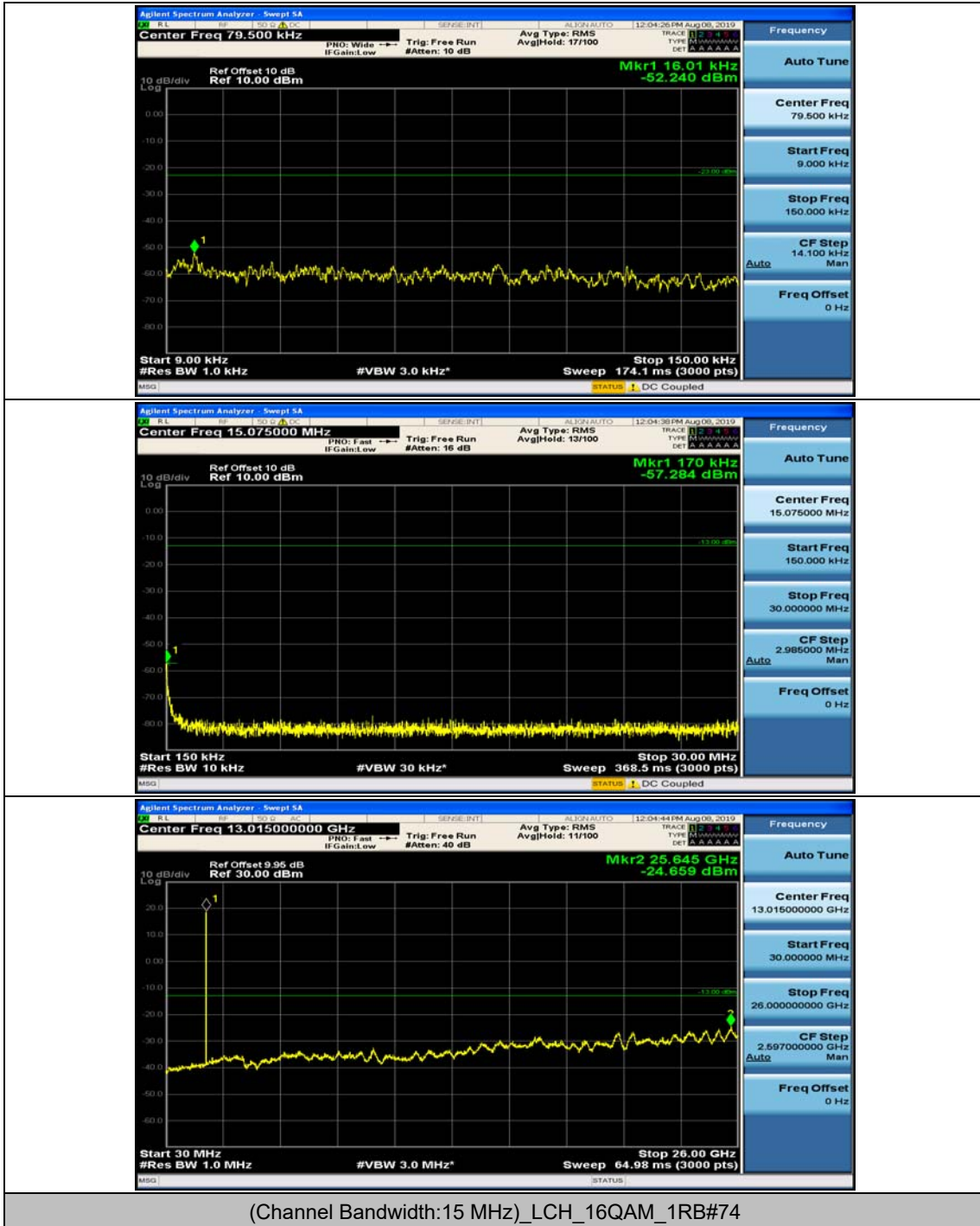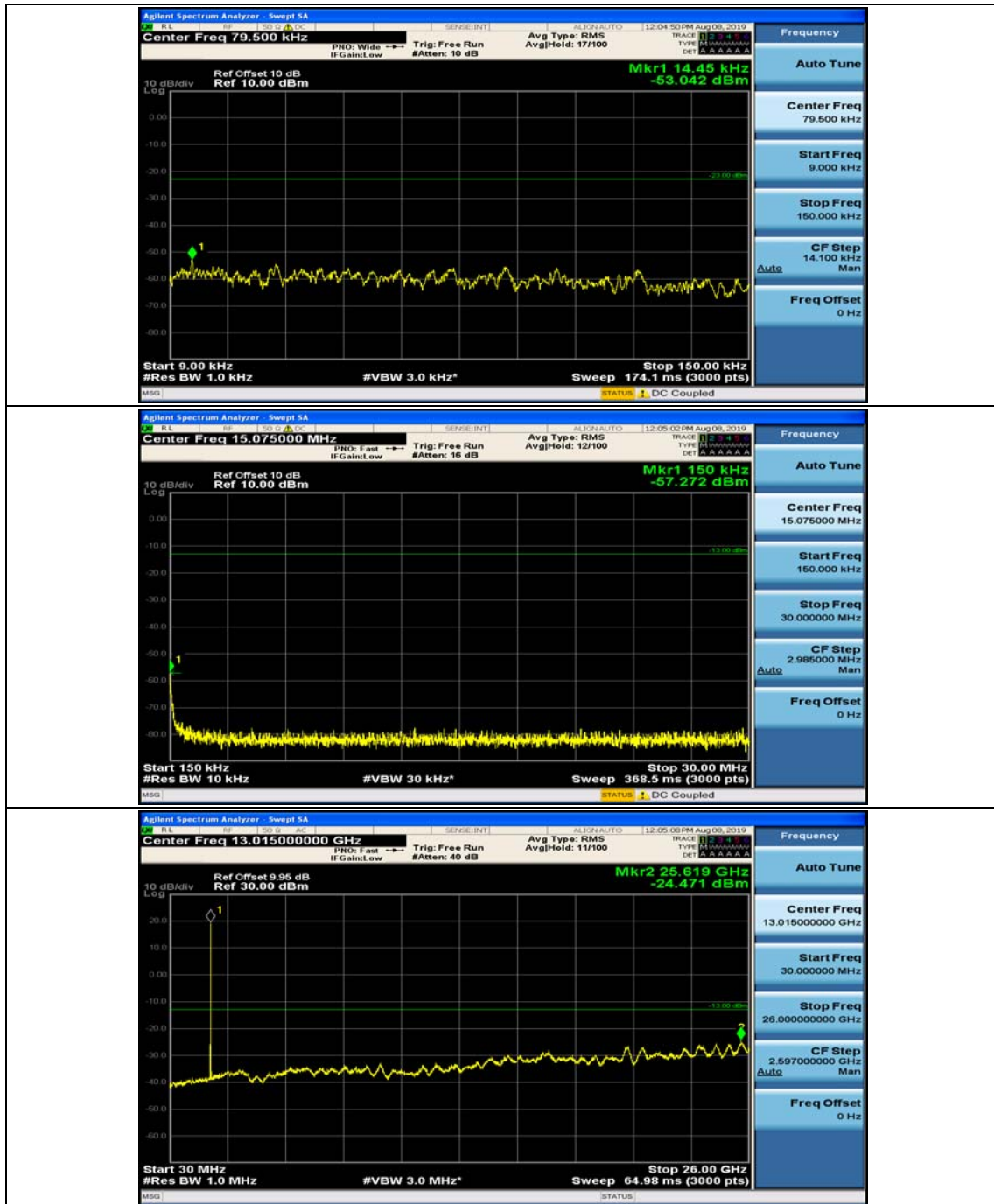| (Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0 |
|---|
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| |
| (Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37 |

(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#74

Channel Bandwidth: 20 MHz

(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#49
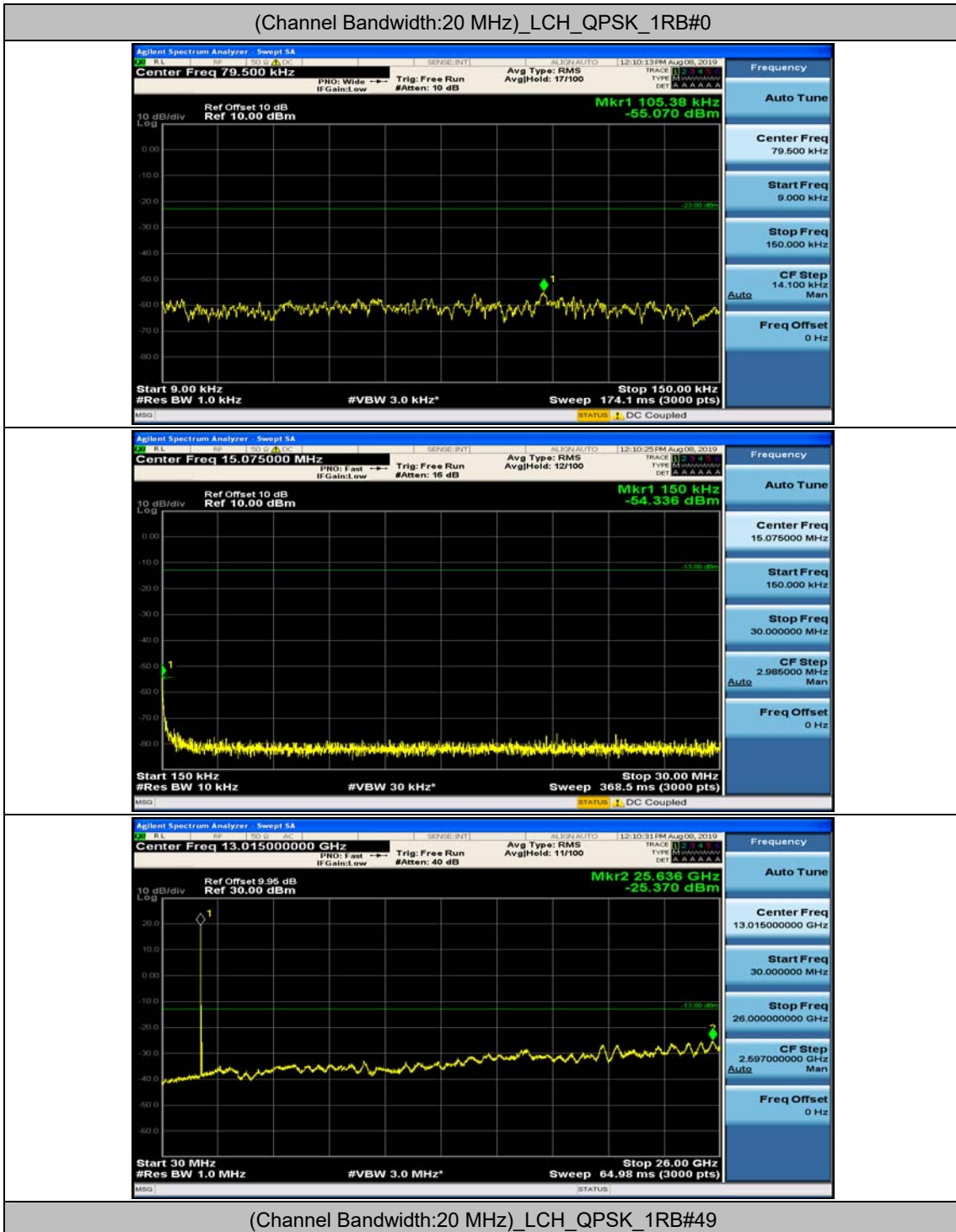
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#99
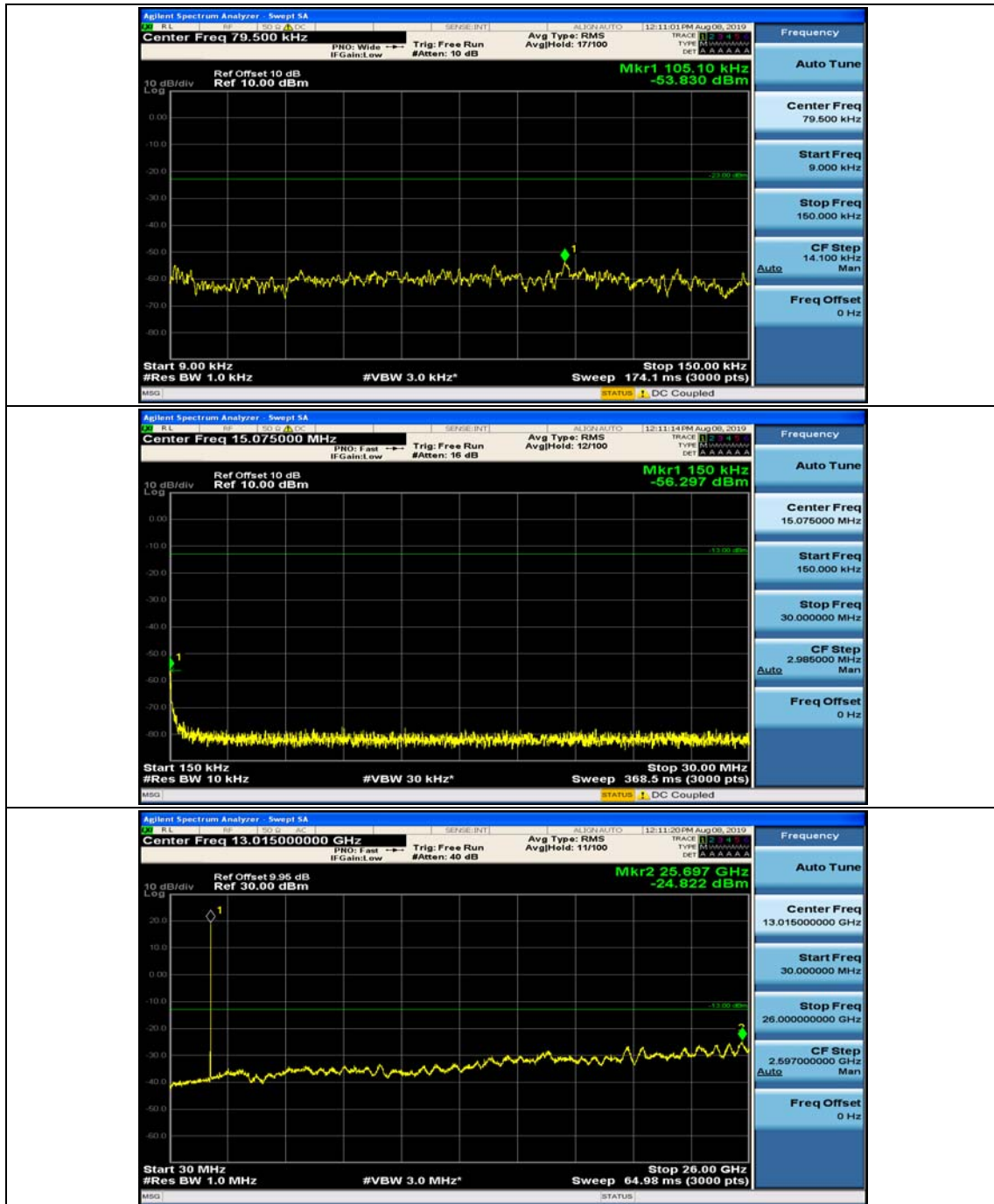
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49
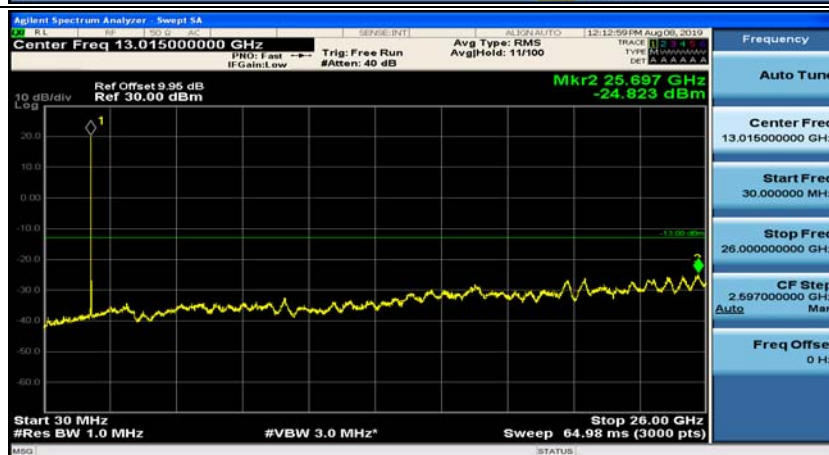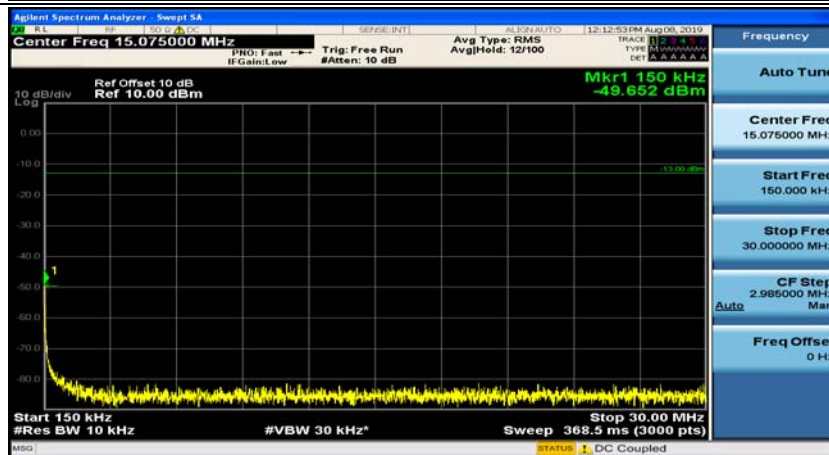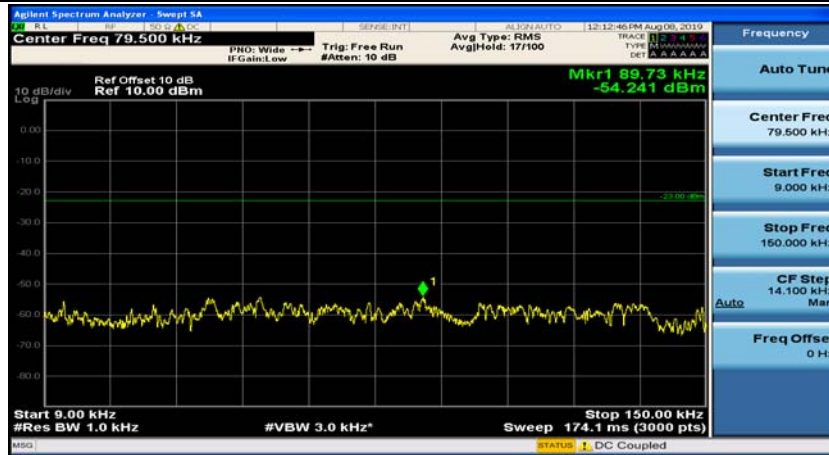
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#99
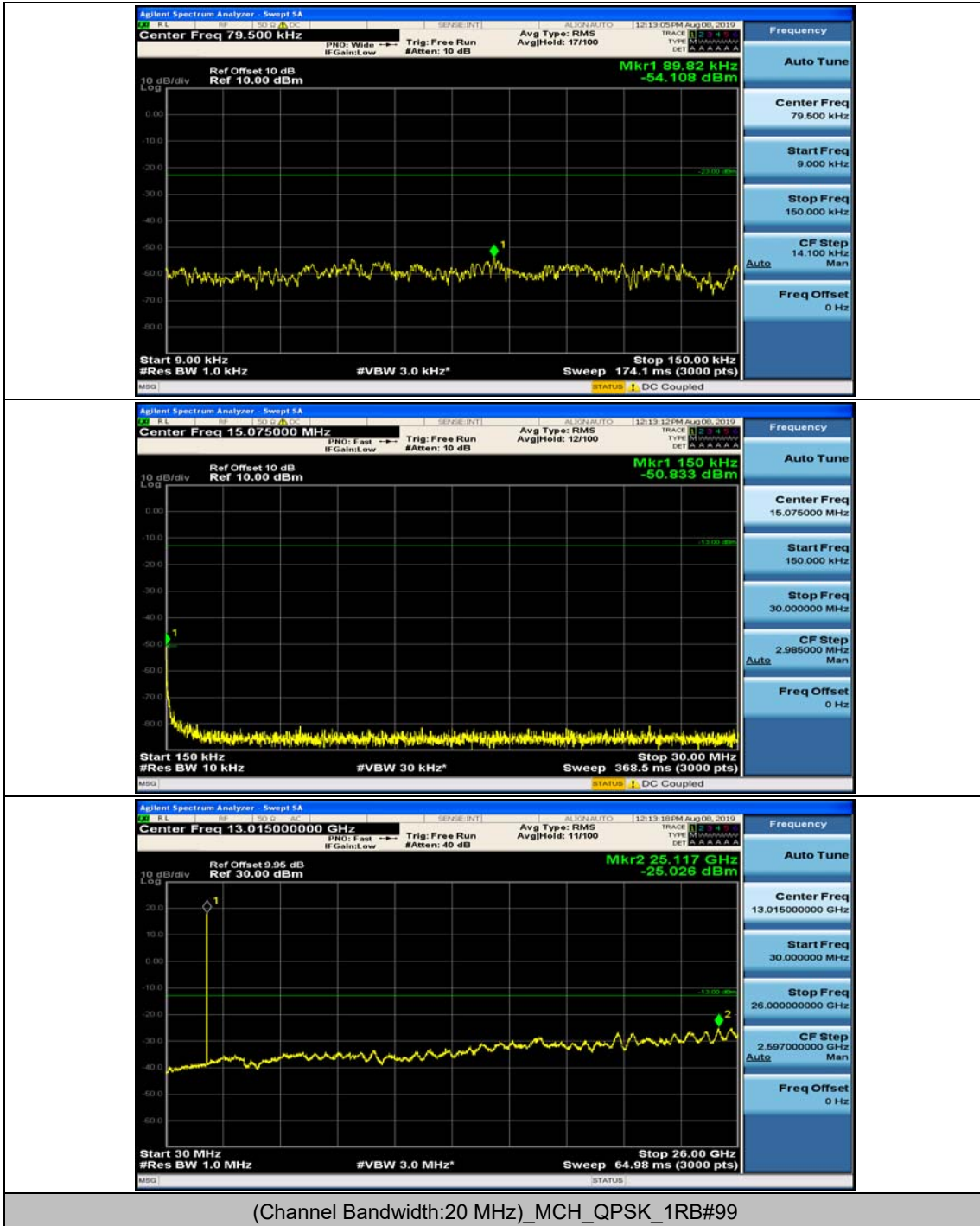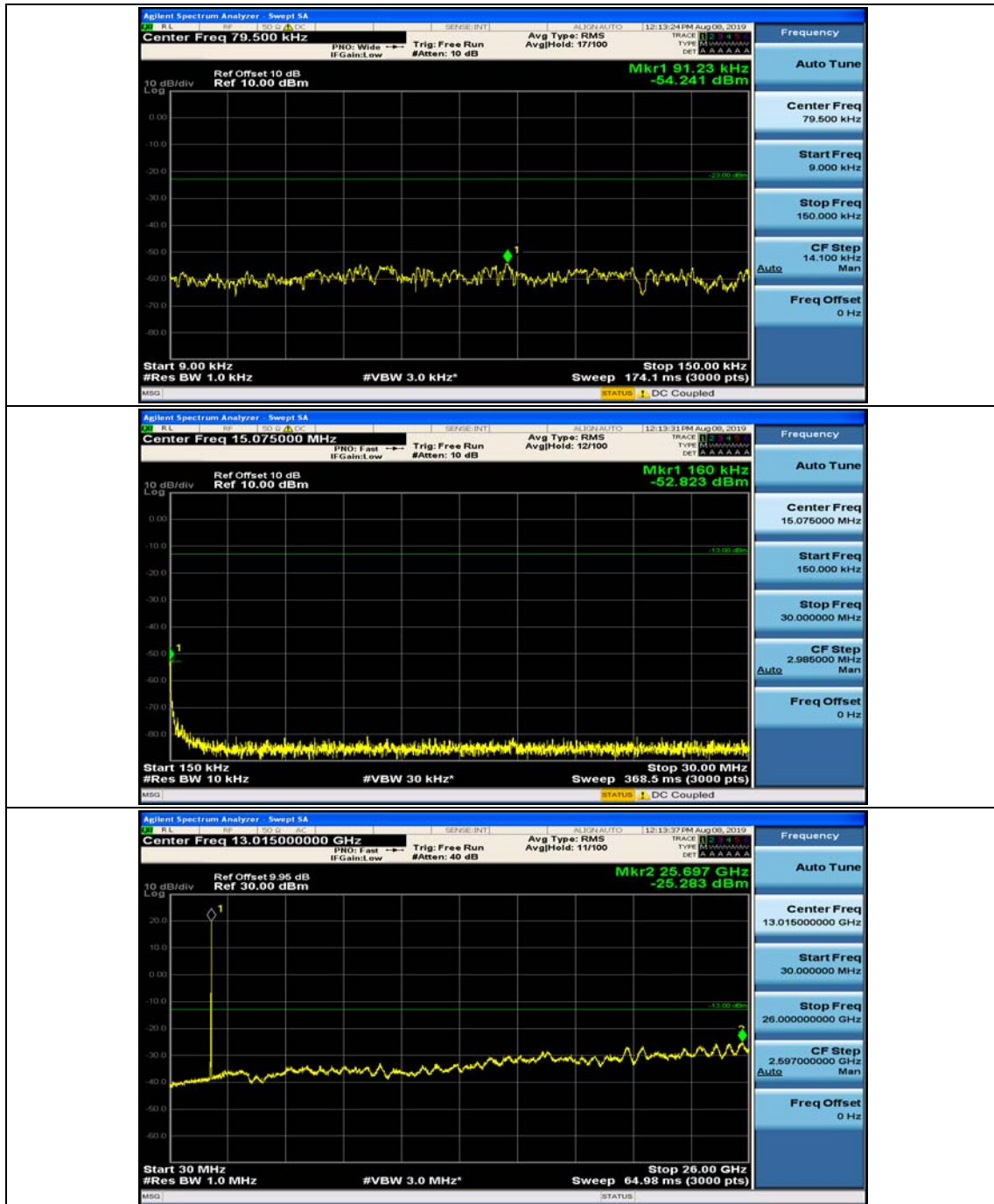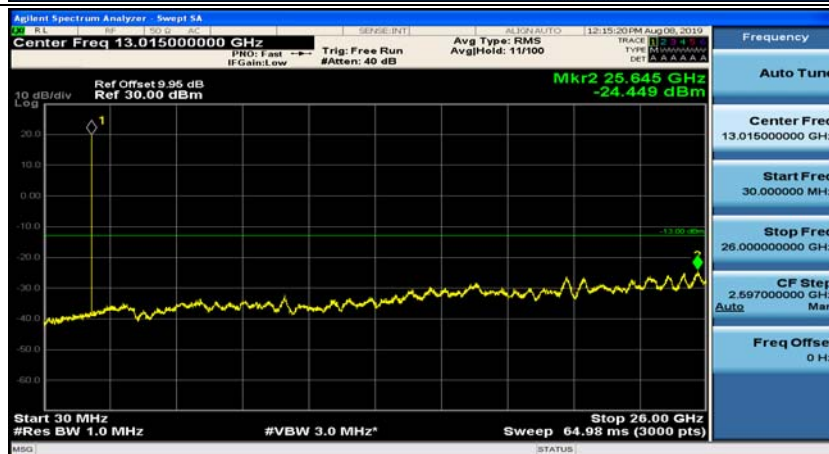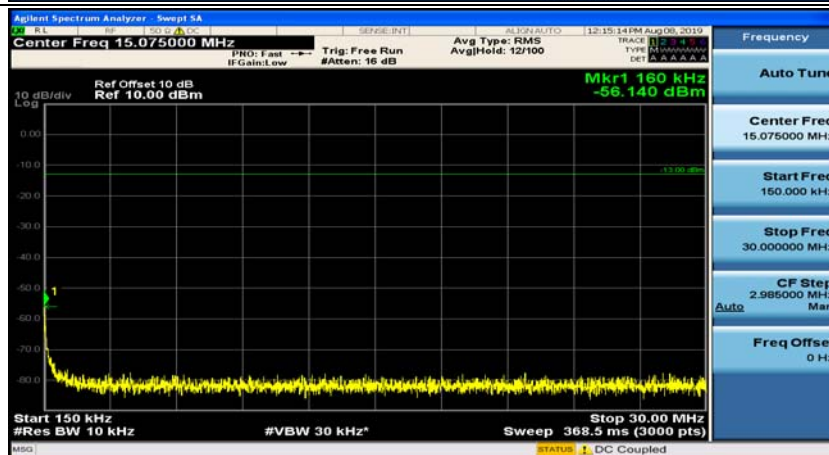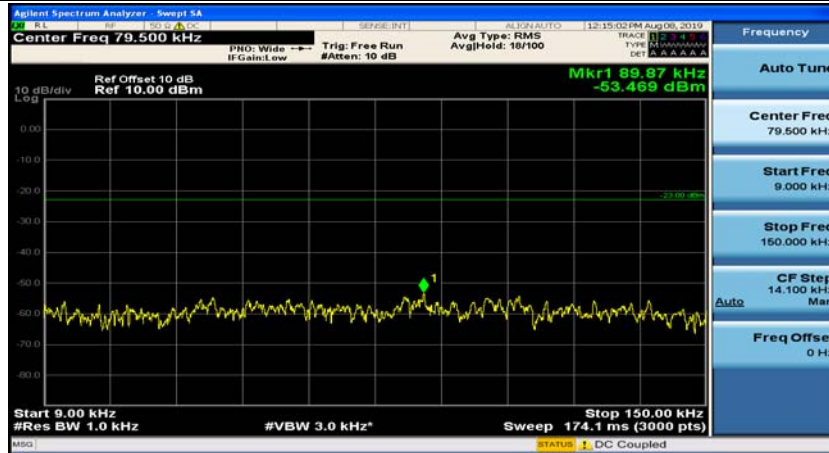
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#99
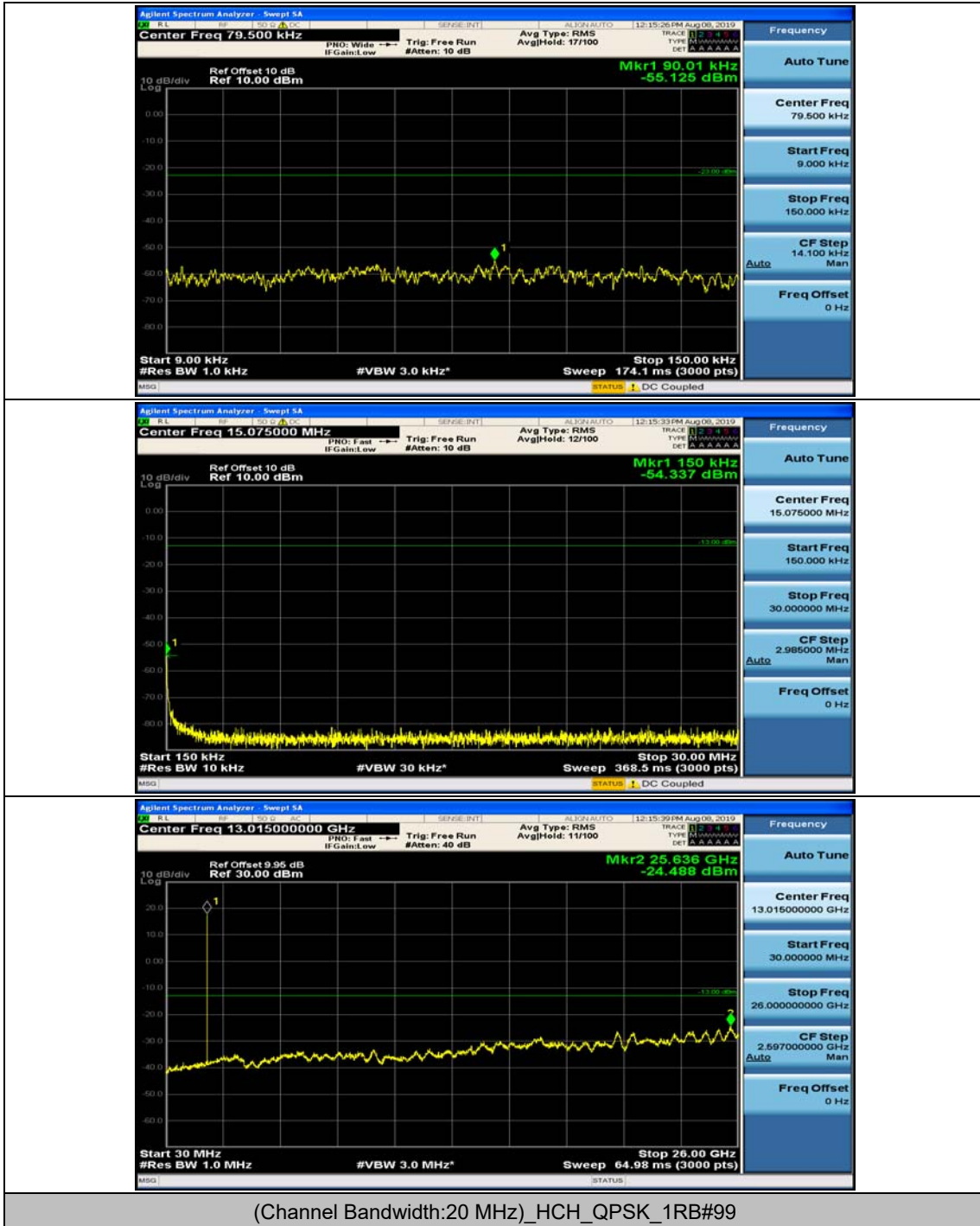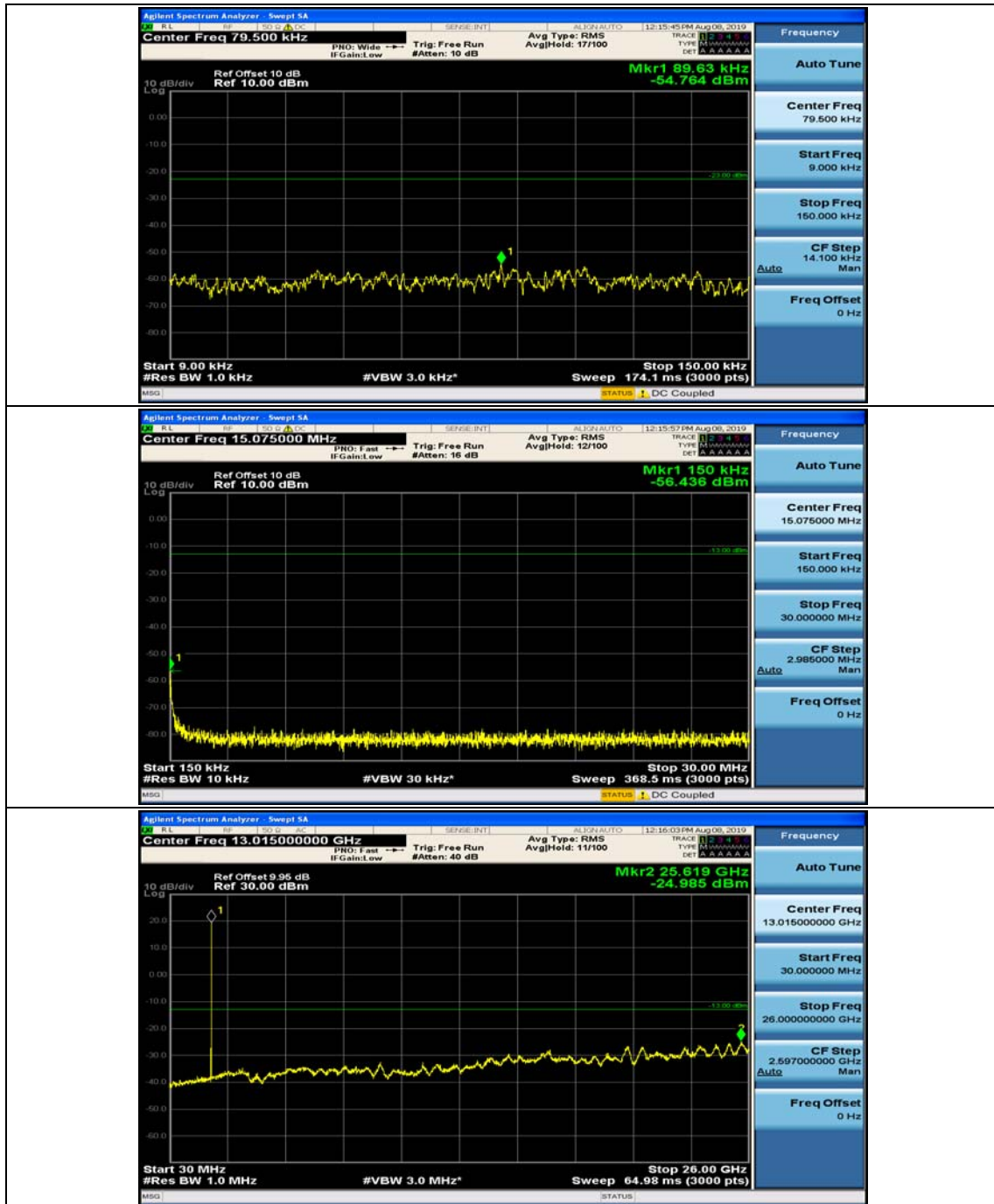
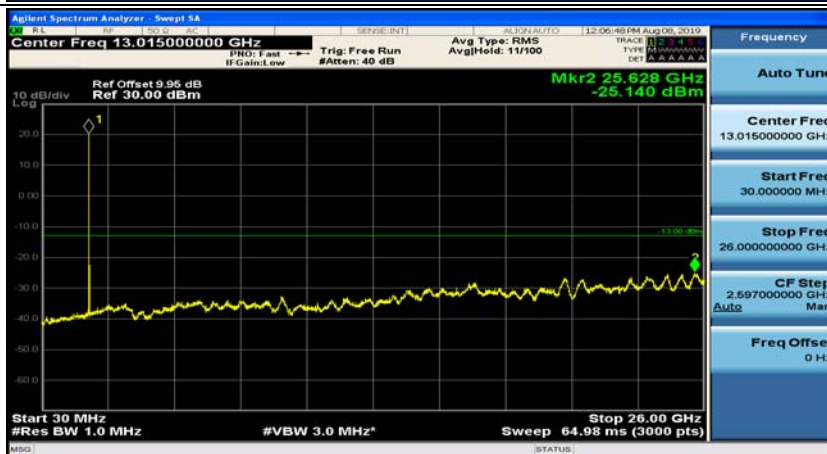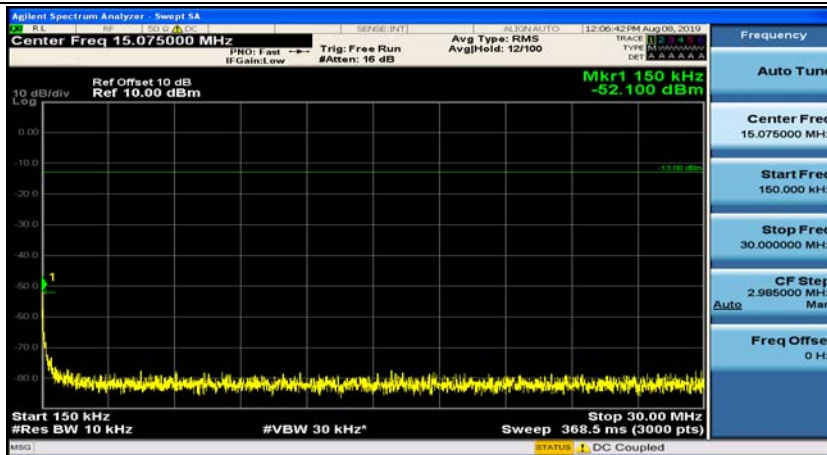| (Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0 |
|---|

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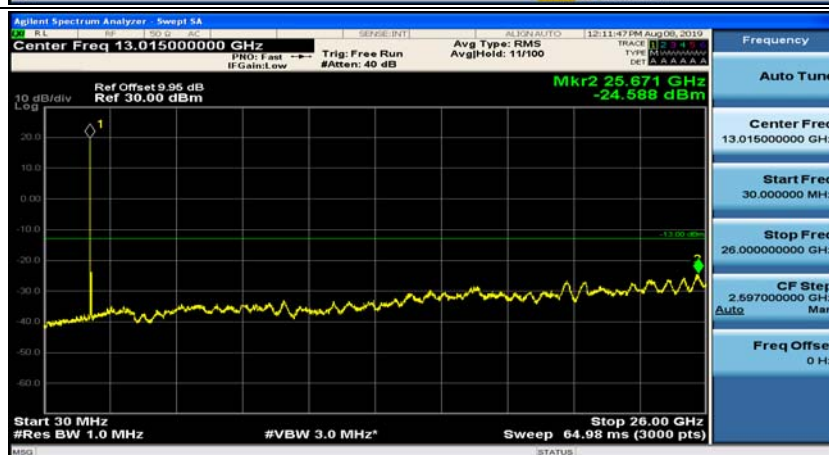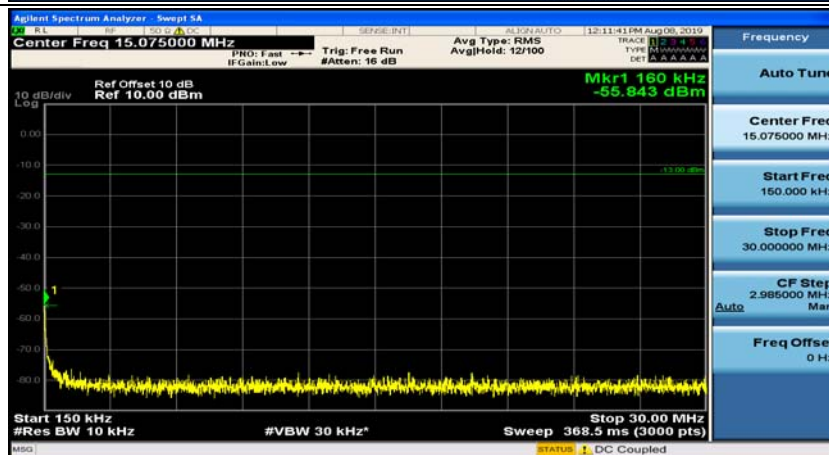
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#99
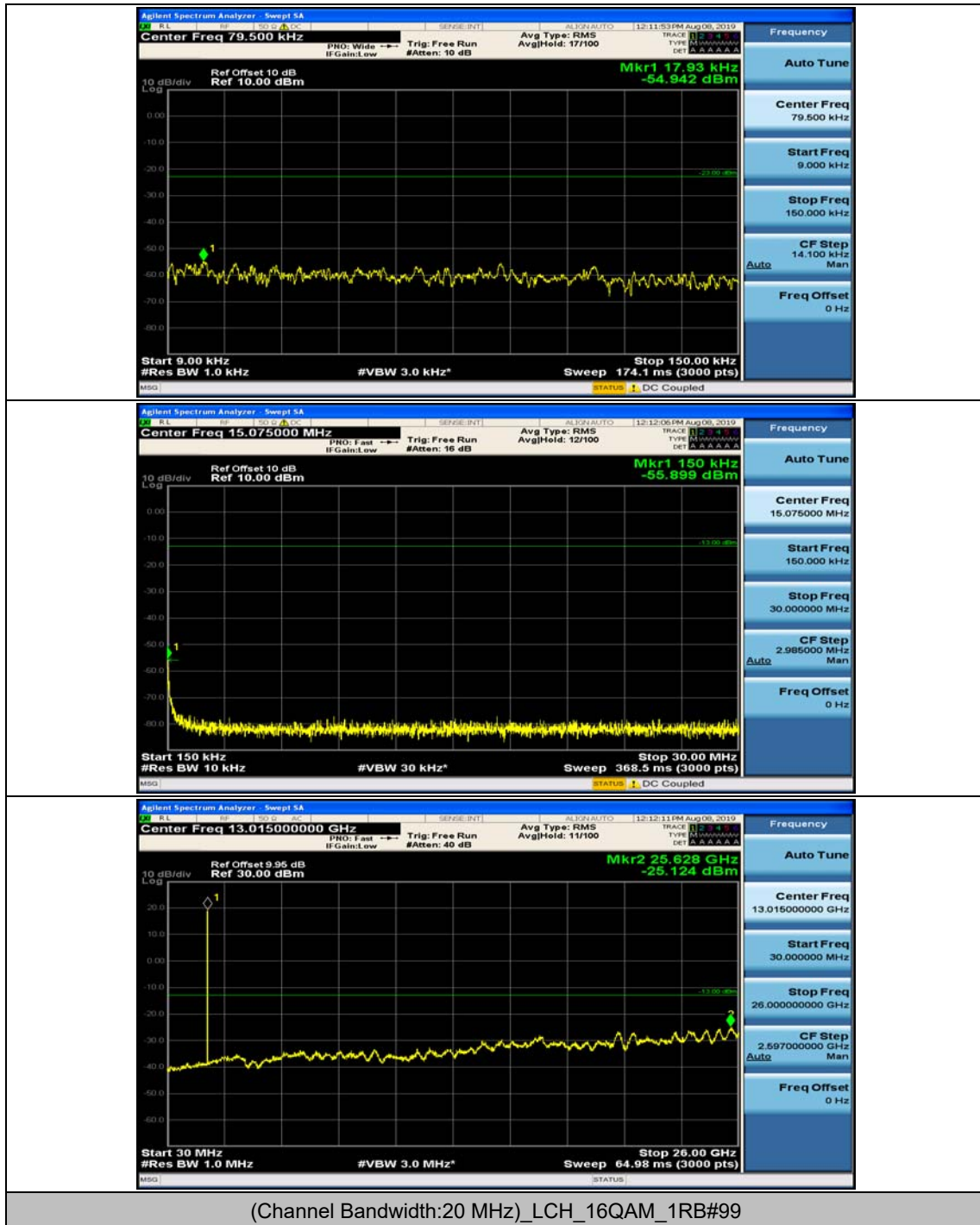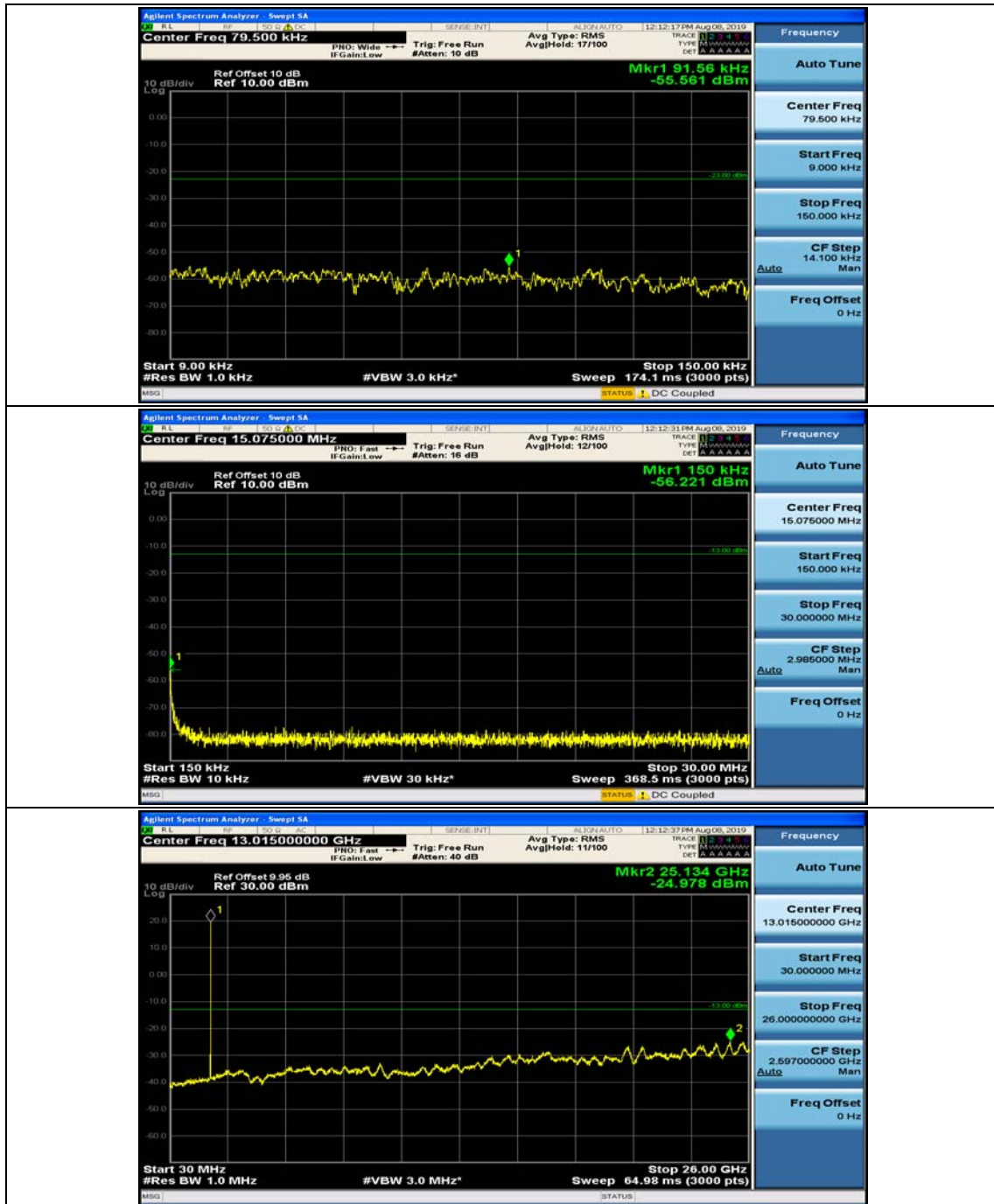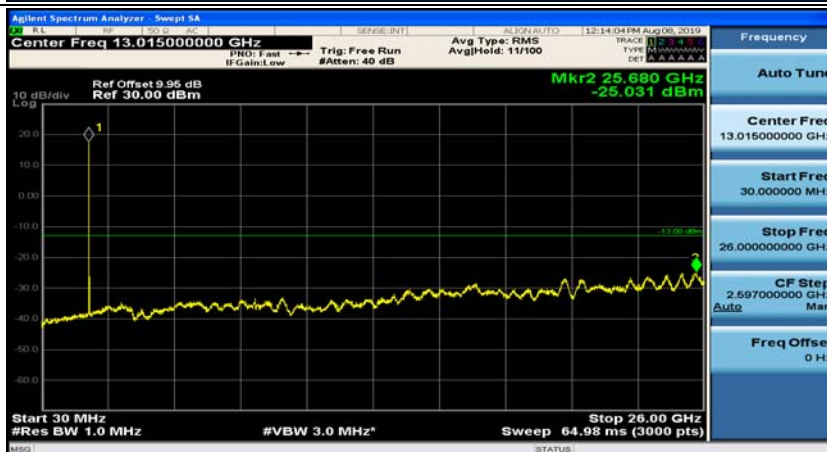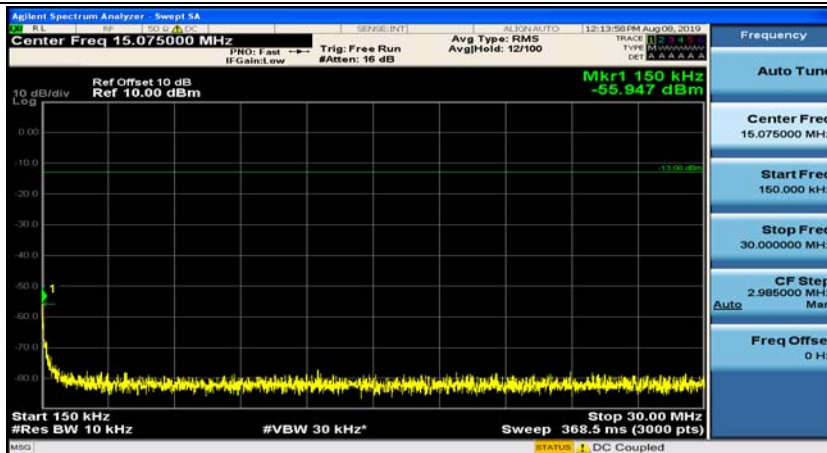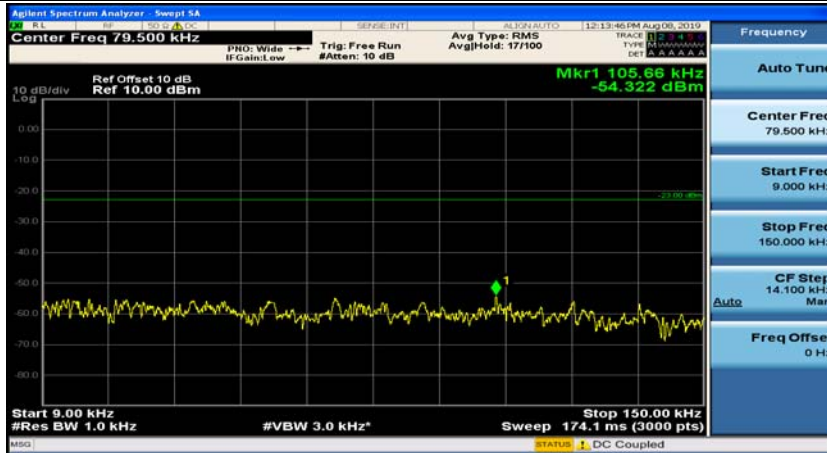
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

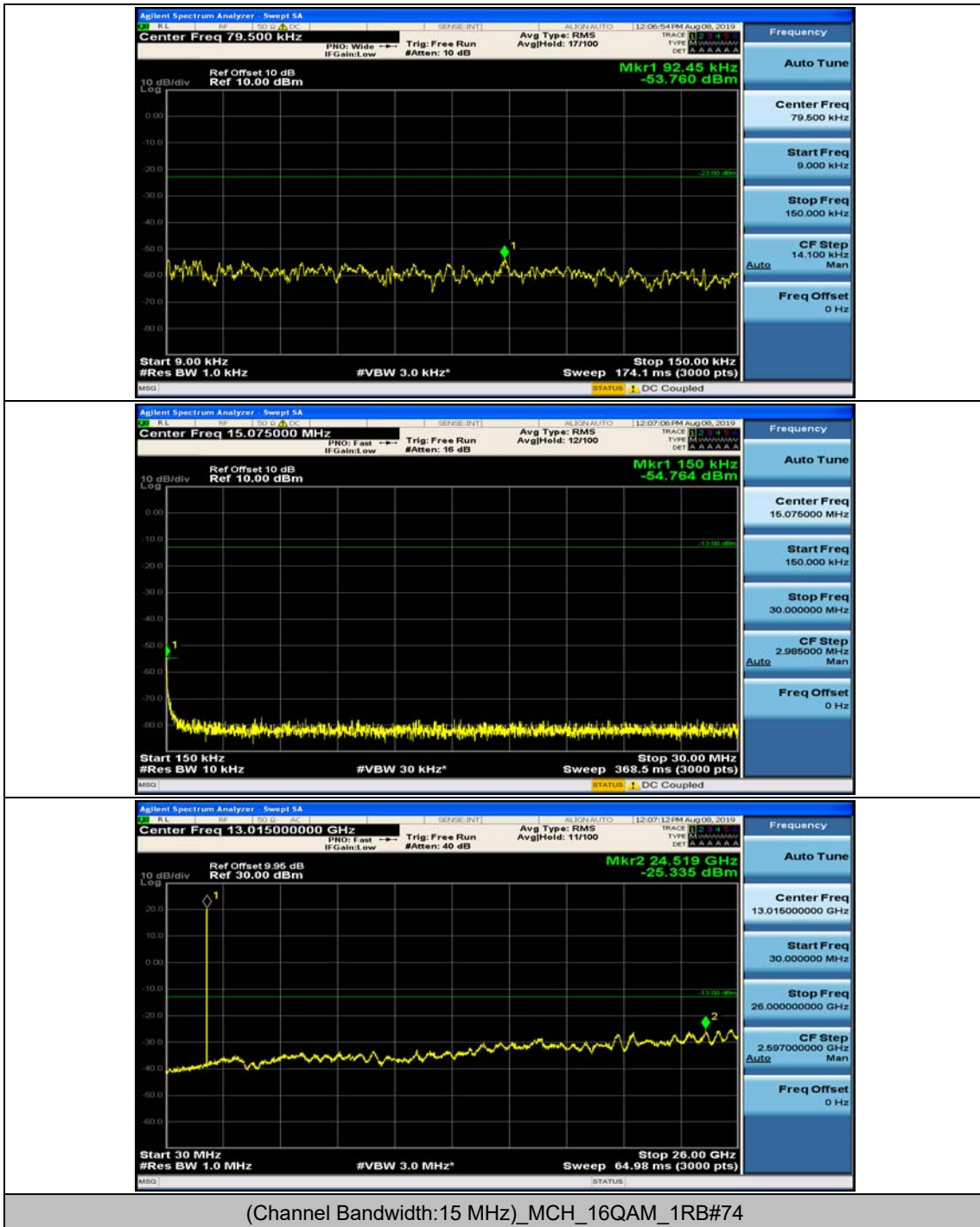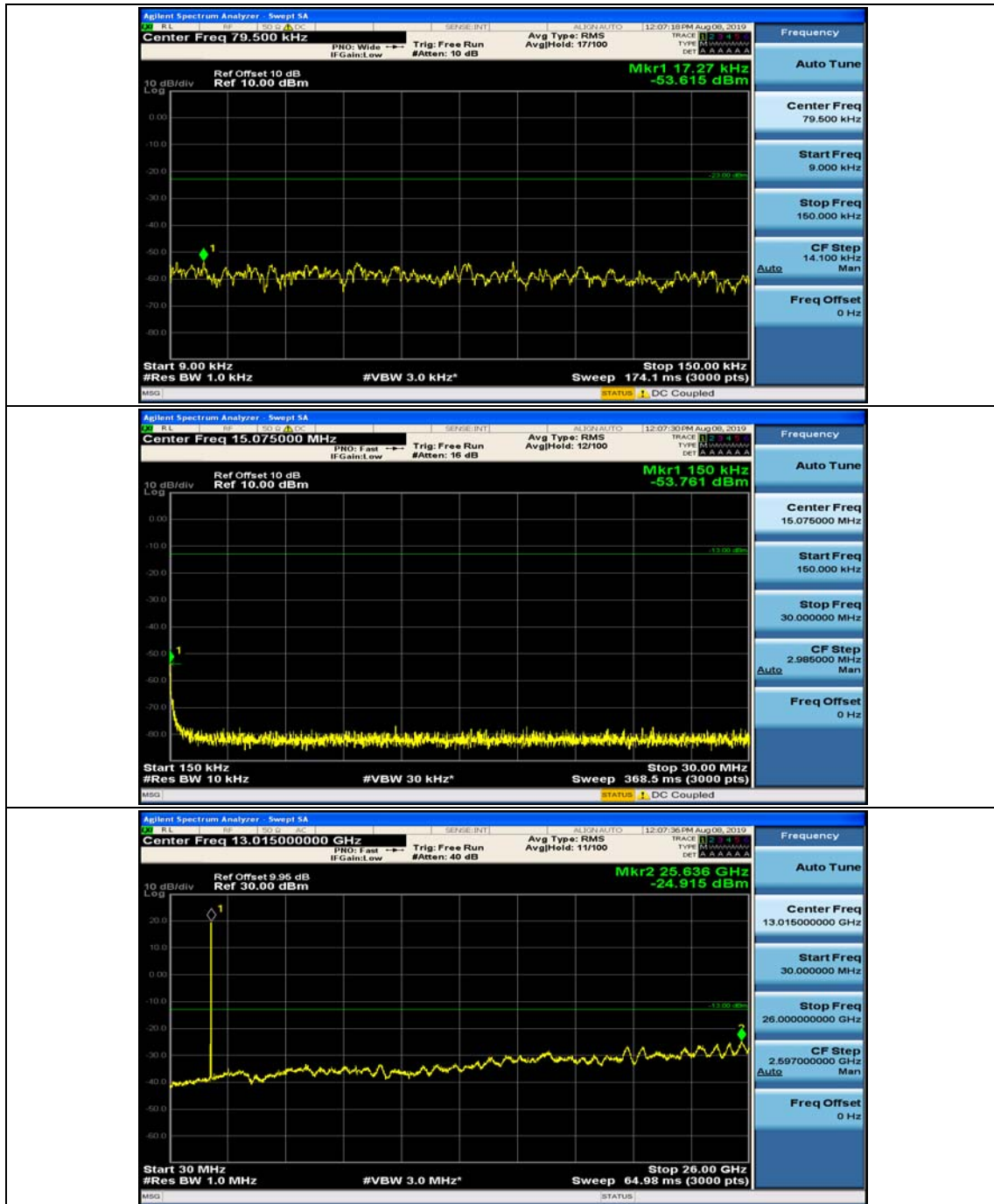| (Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49 |
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(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#99

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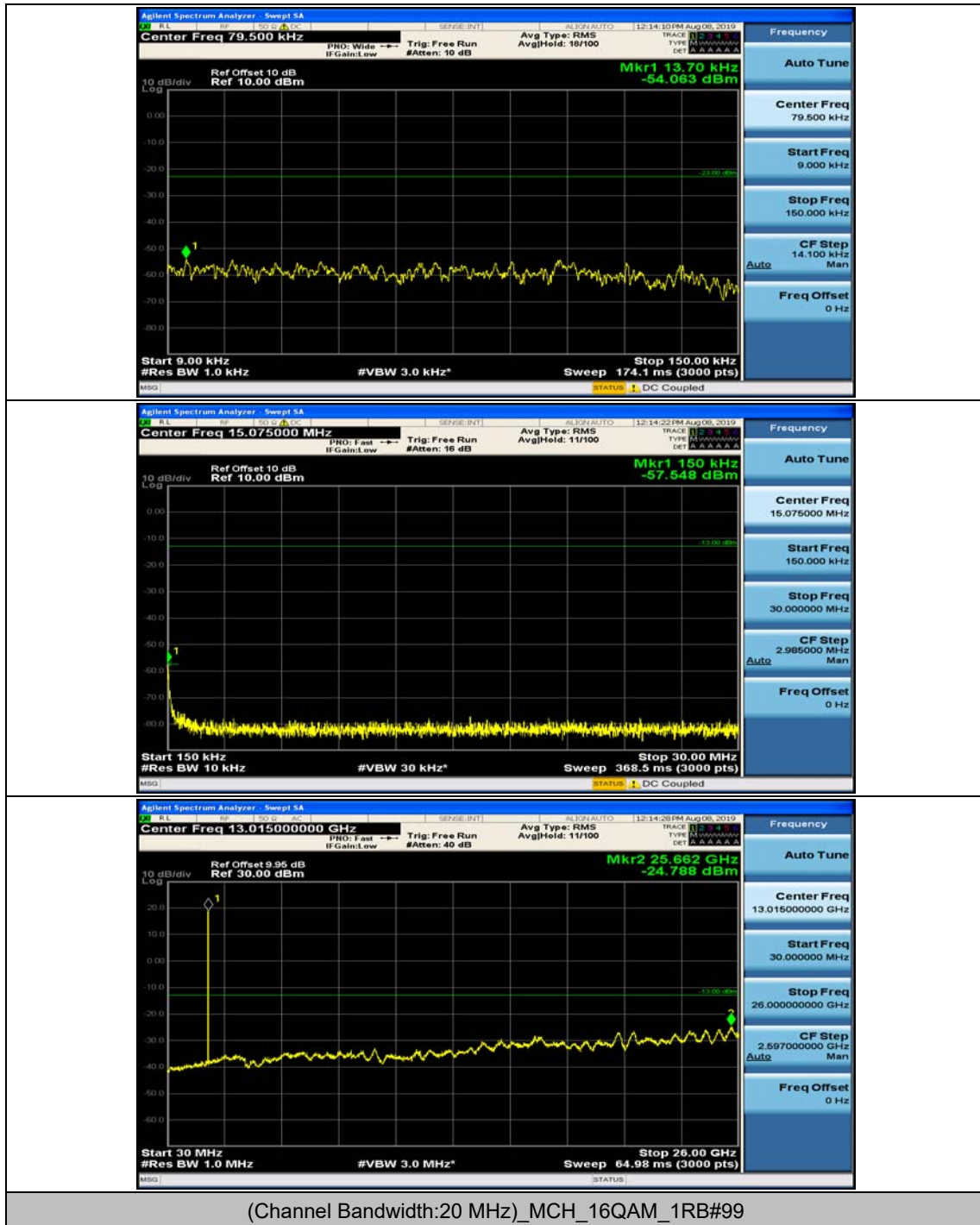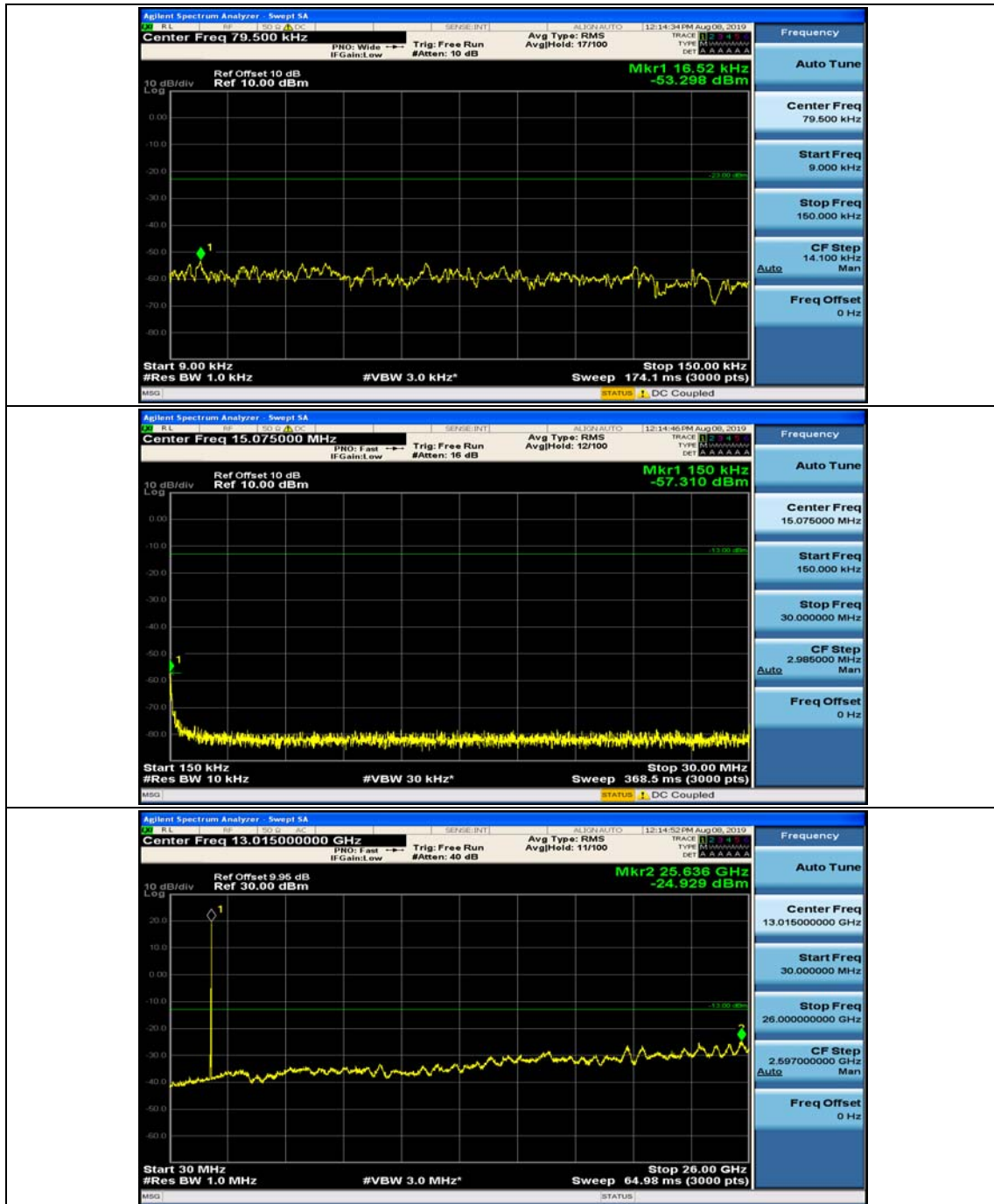
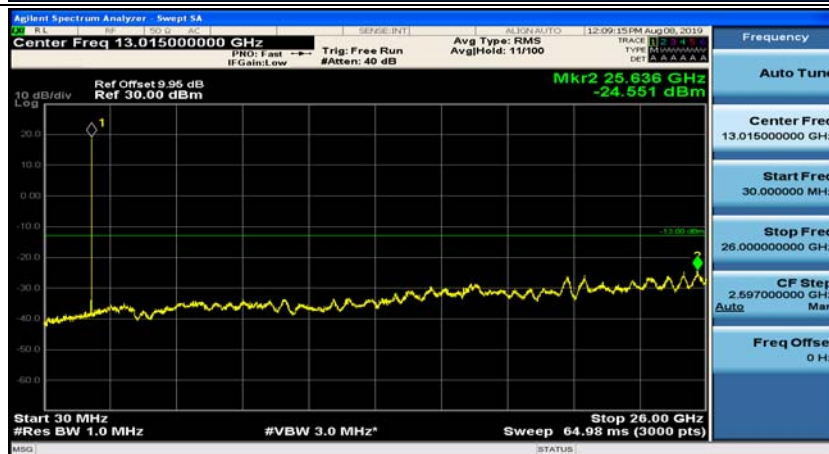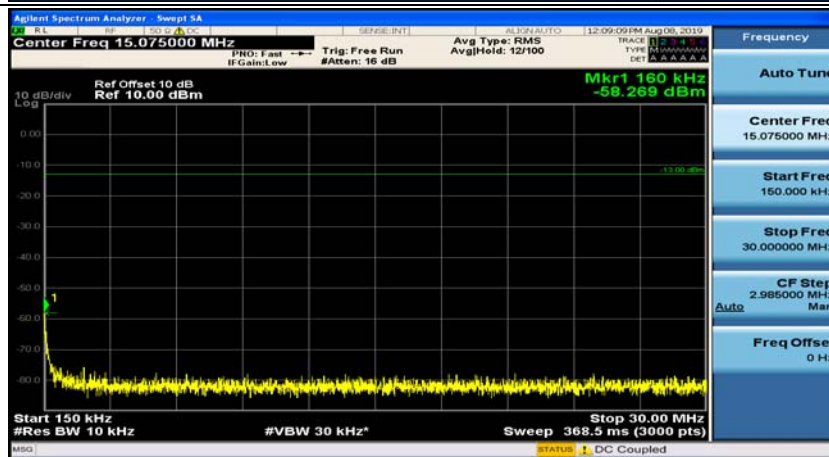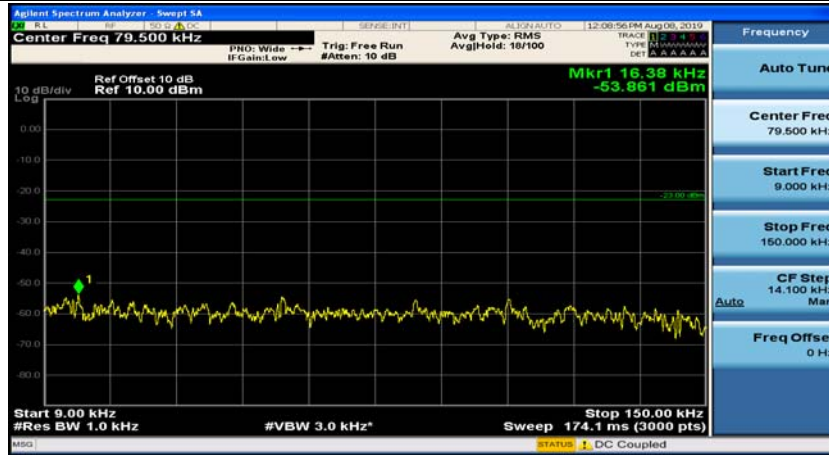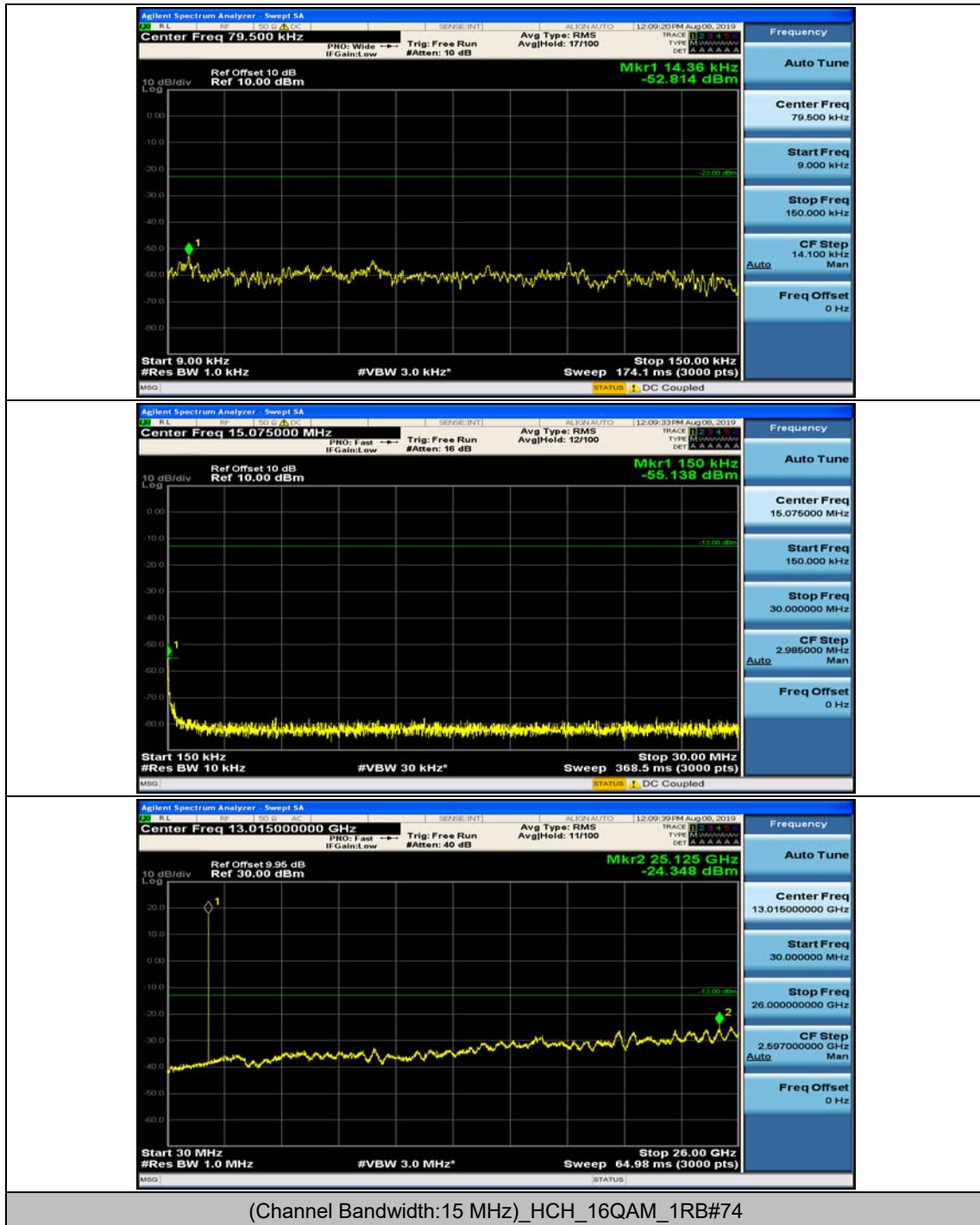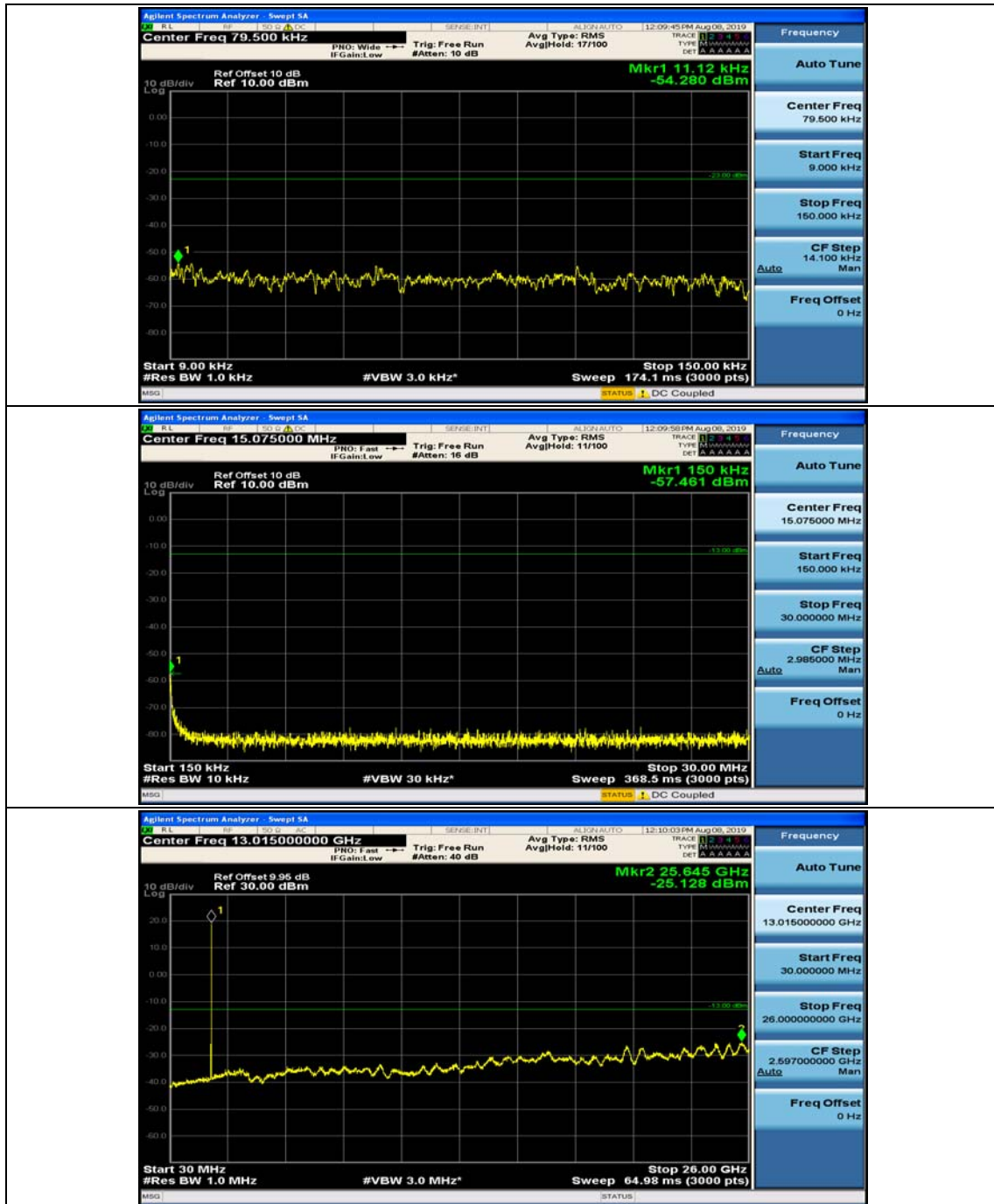| (Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#49 |
| --- |
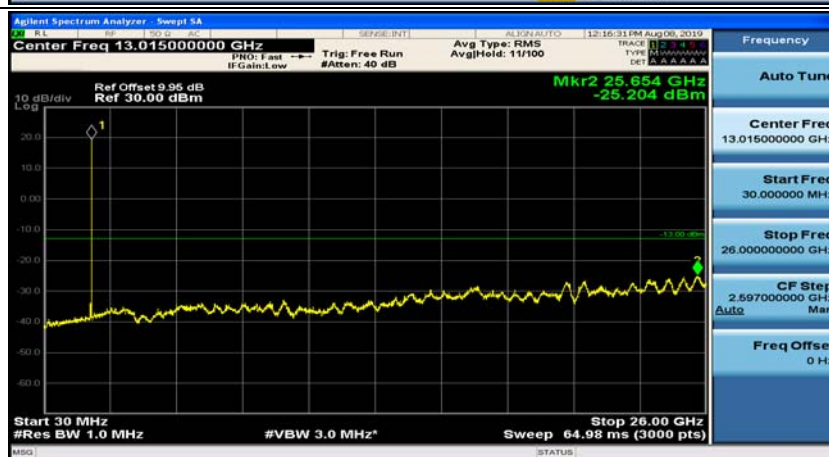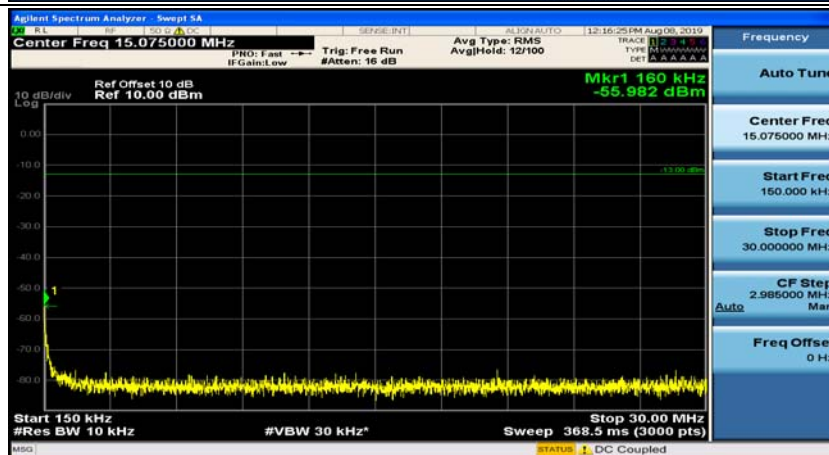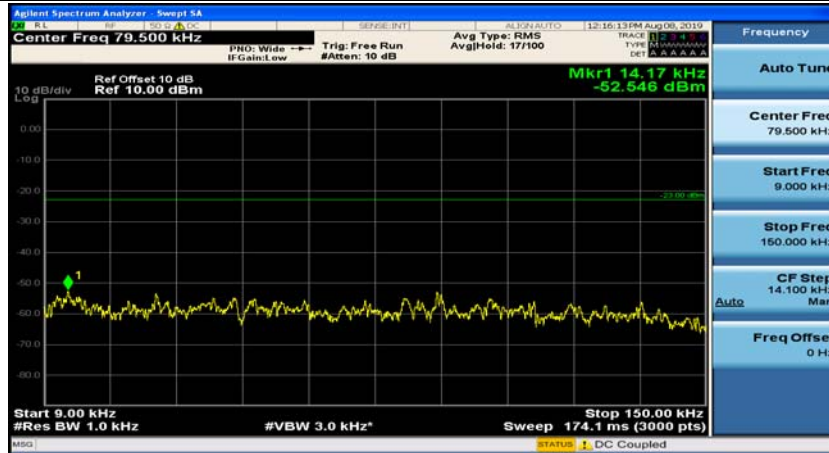
(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#99
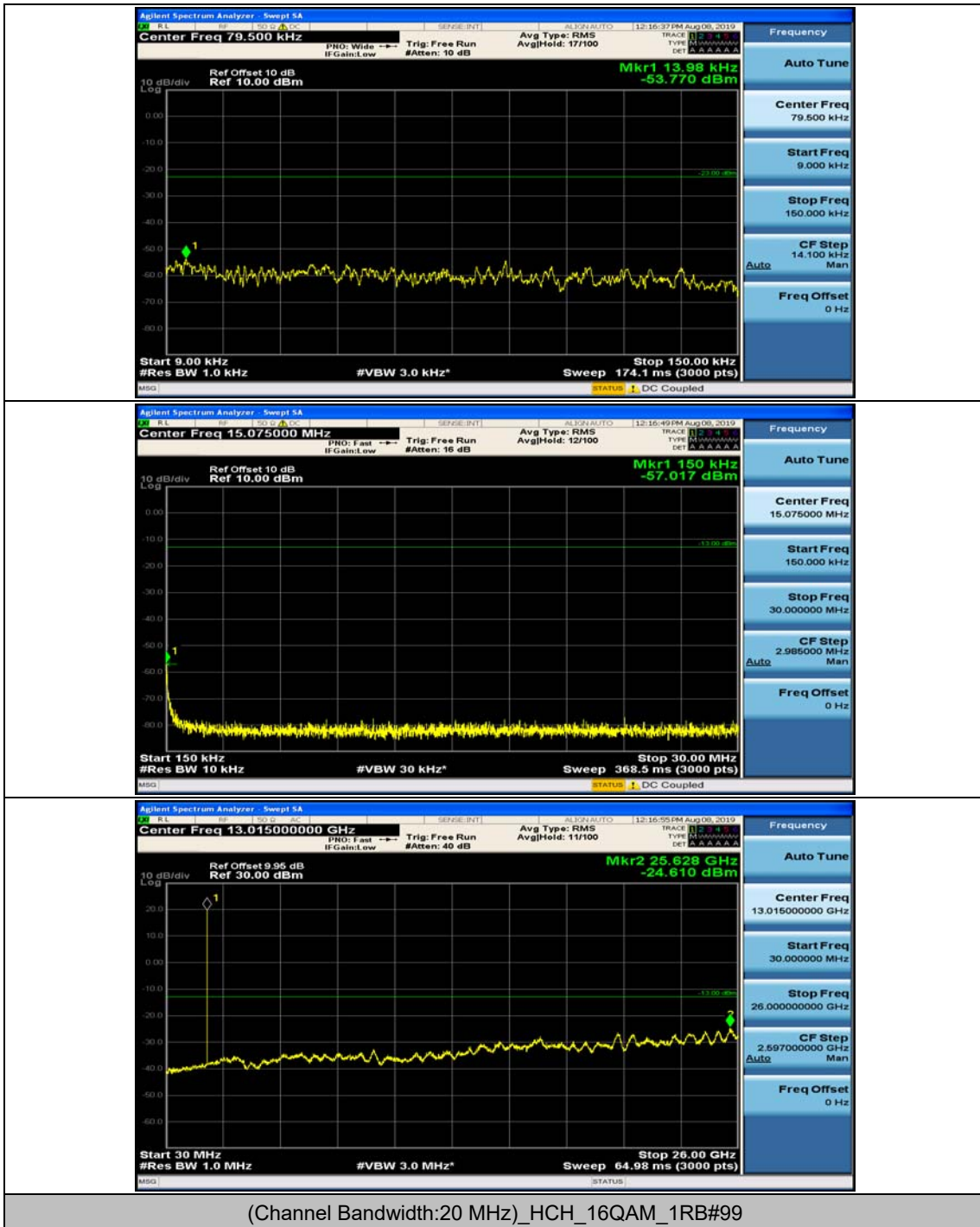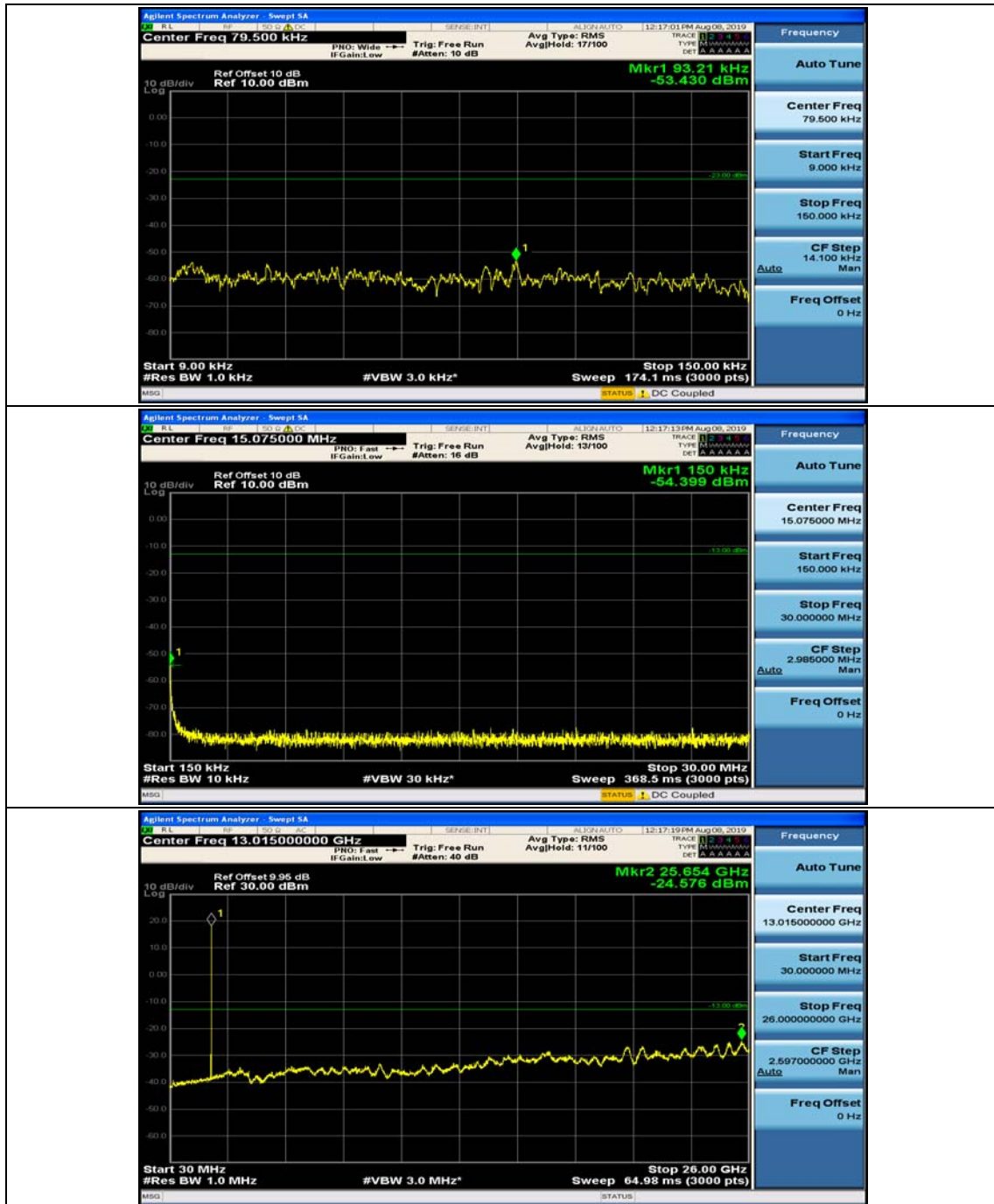
Appendix F: Frequency Stability

Test Result

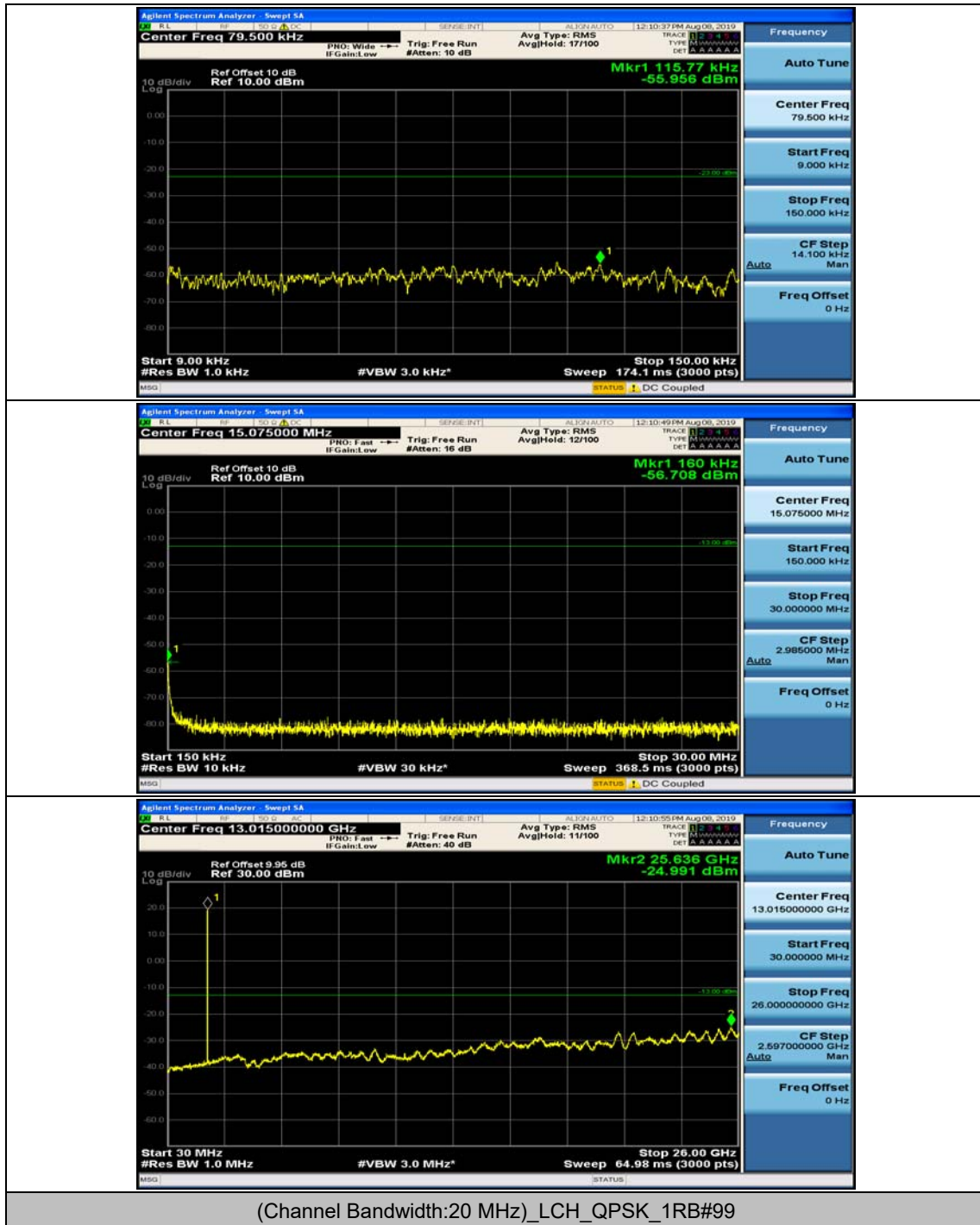## Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	2.66	0.001437	± 2.5	PASS
		VN	TN	0.67	0.000362	± 2.5	PASS
		VH	TN	0.17	0.000092	± 2.5	PASS
	MCH	VL	TN	4.68	0.002489	± 2.5	PASS
		VN	TN	4.04	0.002149	± 2.5	PASS
		VH	TN	4.27	0.002271	± 2.5	PASS
	HCH	VL	TN	4.42	0.002315	± 2.5	PASS
		VN	TN	4.12	0.002158	± 2.5	PASS
		VH	TN	0.66	0.000346	± 2.5	PASS
16QAM	LCH	VL	TN	1.06	0.000573	± 2.5	PASS
		VN	TN	-0.37	-0.000200	± 2.5	PASS
		VH	TN	-1.66	-0.000897	± 2.5	PASS
	MCH	VL	TN	4.14	0.002202	± 2.5	PASS
		VN	TN	0.56	0.000298	± 2.5	PASS
		VH	TN	0.48	0.000255	± 2.5	PASS
	HCH	VL	TN	4.82	0.002524	± 2.5	PASS
		VN	TN	3.68	0.001927	± 2.5	PASS
		VH	TN	2.3	0.001205	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.63	0.002502	± 2.5	PASS
		VN	-20	-0.56	-0.000303	± 2.5	PASS
		VN	-10	-1.42	-0.000767	± 2.5	PASS
		VN	0	1.29	0.000697	± 2.5	PASS
		VN	10	3.95	0.002134	± 2.5	PASS
		VN	20	1.09	0.000589	± 2.5	PASS
		VN	30	4.34	0.002345	± 2.5	PASS
		VN	40	4.33	0.002340	± 2.5	PASS
		VN	50	2.83	0.001529	± 2.5	PASS
	MCH	VN	-30	3.79	0.002016	± 2.5	PASS
		VN	-20	1.89	0.001005	± 2.5	PASS

		VN	-10	0.62	0.000330	± 2.5	PASS
		VN	0	-1.8	-0.000957	± 2.5	PASS
		VN	10	3.84	0.002043	± 2.5	PASS
		VN	20	-1.61	-0.000856	± 2.5	PASS
		VN	30	1.71	0.000910	± 2.5	PASS
		VN	40	3.4	0.001809	± 2.5	PASS
		VN	50	-0.03	-0.000016	± 2.5	PASS
	HCH	VN	-30	4.54	0.002378	± 2.5	PASS
		VN	-20	1.05	0.000550	± 2.5	PASS
		VN	-10	1.79	0.000938	± 2.5	PASS
		VN	0	-0.96	-0.000503	± 2.5	PASS
		VN	10	-1.97	-0.001032	± 2.5	PASS
		VN	20	2.4	0.001257	± 2.5	PASS
		VN	30	-0.06	-0.000031	± 2.5	PASS
		VN	40	-0.37	-0.000194	± 2.5	PASS
		VN	50	1.04	0.000545	± 2.5	PASS
16QAM	LCH	VN	-30	3.7	0.001999	± 2.5	PASS
		VN	-20	-0.12	-0.000065	± 2.5	PASS
		VN	-10	4.27	0.002307	± 2.5	PASS
		VN	0	-1.22	-0.000659	± 2.5	PASS
		VN	10	-1.84	-0.000994	± 2.5	PASS
		VN	20	4.03	0.002178	± 2.5	PASS
		VN	30	-0.93	-0.000503	± 2.5	PASS
		VN	40	1.52	0.000821	± 2.5	PASS
		VN	50	3.03	0.001637	± 2.5	PASS
	MCH	VN	-30	0.16	0.000085	± 2.5	PASS
		VN	-20	-1.96	-0.001043	± 2.5	PASS
		VN	-10	-1.85	-0.000984	± 2.5	PASS
		VN	0	3.44	0.001830	± 2.5	PASS
		VN	10	-1.85	-0.000984	± 2.5	PASS
		VN	20	0.58	0.000309	± 2.5	PASS
		VN	30	-0.96	-0.000511	± 2.5	PASS
		VN	40	0.64	0.000340	± 2.5	PASS
		VN	50	-1.47	-0.000782	± 2.5	PASS
	HCH	VN	-30	3.32	0.001739	± 2.5	PASS
		VN	-20	3.78	0.001980	± 2.5	PASS
		VN	-10	1.85	0.000969	± 2.5	PASS
		VN	0	0.16	0.000084	± 2.5	PASS
		VN	10	-0.59	-0.000309	± 2.5	PASS
		VN	20	2.15	0.001126	± 2.5	PASS
		VN	30	1.96	0.001027	± 2.5	PASS

| | | VN | 40 | 1.16 | 0.000608 | ± 2.5 | PASS |
| | | VN | 50 | 3.57 | 0.001870 | ± 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	4.45	0.002403	± 2.5	PASS
		VN	TN	0.14	0.000076	± 2.5	PASS
		VH	TN	3.38	0.001826	± 2.5	PASS
	MCH	VL	TN	1.9	0.001011	± 2.5	PASS
		VN	TN	2.12	0.001128	± 2.5	PASS
		VH	TN	2.8	0.001489	± 2.5	PASS
	HCH	VL	TN	3.48	0.001823	± 2.5	PASS
		VN	TN	-0.36	-0.000189	± 2.5	PASS
		VH	TN	-0.46	-0.000241	± 2.5	PASS
16QAM	LCH	VL	TN	-1.25	-0.000675	± 2.5	PASS
		VN	TN	-0.47	-0.000254	± 2.5	PASS
		VH	TN	2.85	0.001539	± 2.5	PASS
	MCH	VL	TN	-1.18	-0.000628	± 2.5	PASS
		VN	TN	4.07	0.002165	± 2.5	PASS
		VH	TN	0.79	0.000420	± 2.5	PASS
	HCH	VL	TN	-1.3	-0.000681	± 2.5	PASS
		VN	TN	4.14	0.002169	± 2.5	PASS
		VH	TN	-0.44	-0.000231	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.9	0.002106	± 2.5	PASS
		VN	-20	3.66	0.001977	± 2.5	PASS
		VN	-10	3.96	0.002139	± 2.5	PASS
		VN	0	0.97	0.000524	± 2.5	PASS
		VN	10	-1.33	-0.000718	± 2.5	PASS
		VN	20	0.78	0.000421	± 2.5	PASS
		VN	30	-1.58	-0.000853	± 2.5	PASS
		VN	40	3.95	0.002133	± 2.5	PASS
		VN	50	1.87	0.001010	± 2.5	PASS
	MCH	VN	-30	1.44	0.000766	± 2.5	PASS
		VN	-20	0.49	0.000261	± 2.5	PASS
		VN	-10	0	0.000000	± 2.5	PASS

		VN	0	-0.13	-0.000069	± 2.5	PASS
		VN	10	3.93	0.002090	± 2.5	PASS
		VN	20	2.07	0.001101	± 2.5	PASS
		VN	30	-1.08	-0.000574	± 2.5	PASS
		VN	40	-0.96	-0.000511	± 2.5	PASS
		VN	50	-1.55	-0.000824	± 2.5	PASS
	HCH	VN	-30	-1.79	-0.000938	± 2.5	PASS
		VN	-20	4.95	0.002594	± 2.5	PASS
		VN	-10	3.3	0.001729	± 2.5	PASS
		VN	0	0.46	0.000241	± 2.5	PASS
		VN	10	1.42	0.000744	± 2.5	PASS
		VN	20	-0.62	-0.000325	± 2.5	PASS
		VN	30	-0.49	-0.000257	± 2.5	PASS
		VN	40	1.54	0.000807	± 2.5	PASS
		VN	50	2.39	0.001252	± 2.5	PASS
16QAM	LCH	VN	-30	-0.08	-0.000043	± 2.5	PASS
		VN	-20	3.29	0.001777	± 2.5	PASS
		VN	-10	4.93	0.002663	± 2.5	PASS
		VN	0	-0.24	-0.000130	± 2.5	PASS
		VN	10	2.67	0.001442	± 2.5	PASS
		VN	20	2.09	0.001129	± 2.5	PASS
		VN	30	-0.82	-0.000443	± 2.5	PASS
		VN	40	2.37	0.001280	± 2.5	PASS
		VN	50	2.06	0.001113	± 2.5	PASS
	MCH	VN	-30	0.66	0.000351	± 2.5	PASS
		VN	-20	0.42	0.000223	± 2.5	PASS
		VN	-10	3.89	0.002069	± 2.5	PASS
		VN	0	2.74	0.001457	± 2.5	PASS
		VN	10	-1.42	-0.000755	± 2.5	PASS
		VN	20	2.49	0.001324	± 2.5	PASS
		VN	30	0.4	0.000213	± 2.5	PASS
		VN	40	1.01	0.000537	± 2.5	PASS
		VN	50	3.02	0.001606	± 2.5	PASS
	HCH	VN	-30	3.73	0.001954	± 2.5	PASS
		VN	-20	4.07	0.002133	± 2.5	PASS
		VN	-10	4.22	0.002211	± 2.5	PASS
		VN	0	0.82	0.000430	± 2.5	PASS
		VN	10	1.55	0.000812	± 2.5	PASS
		VN	20	3.15	0.001651	± 2.5	PASS
		VN	30	1.32	0.000692	± 2.5	PASS
		VN	40	1.48	0.000775	± 2.5	PASS

		VN	50	1.69	0.000886	± 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	2.19	0.001182	± 2.5	PASS
		VN	TN	2.49	0.001344	± 2.5	PASS
		VH	TN	1.02	0.000551	± 2.5	PASS
	MCH	VL	TN	-0.93	-0.000495	± 2.5	PASS
		VN	TN	0.65	0.000346	± 2.5	PASS
		VH	TN	-0.08	-0.000043	± 2.5	PASS
	HCH	VL	TN	3.71	0.001945	± 2.5	PASS
		VN	TN	3.31	0.001735	± 2.5	PASS
		VH	TN	0.83	0.000435	± 2.5	PASS
16QAM	LCH	VL	TN	1.37	0.000740	± 2.5	PASS
		VN	TN	-0.99	-0.000534	± 2.5	PASS
		VH	TN	-0.95	-0.000513	± 2.5	PASS
	MCH	VL	TN	0.48	0.000255	± 2.5	PASS
		VN	TN	3.55	0.001888	± 2.5	PASS
		VH	TN	0.82	0.000436	± 2.5	PASS
	HCH	VL	TN	1.44	0.000755	± 2.5	PASS
		VN	TN	3.54	0.001856	± 2.5	PASS
		VH	TN	-1.57	-0.000823	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.53	0.001906	± 2.5	PASS
		VN	-20	4.08	0.002202	± 2.5	PASS
		VN	-10	4.73	0.002553	± 2.5	PASS
		VN	0	2.08	0.001123	± 2.5	PASS
		VN	10	3.06	0.001652	± 2.5	PASS
		VN	20	0.64	0.000345	± 2.5	PASS
		VN	30	2.61	0.001409	± 2.5	PASS
		VN	40	-1.05	-0.000567	± 2.5	PASS
		VN	50	3.79	0.002046	± 2.5	PASS
	MCH	VN	-30	3.63	0.001931	± 2.5	PASS
		VN	-20	4.39	0.002335	± 2.5	PASS
		VN	-10	-1.96	-0.001043	± 2.5	PASS
		VN	0	-1.77	-0.000941	± 2.5	PASS

		VN	10	-0.53	-0.000282	± 2.5	PASS
		VN	20	-0.45	-0.000239	± 2.5	PASS
		VN	30	2.31	0.001229	± 2.5	PASS
		VN	40	-1.21	-0.000644	± 2.5	PASS
		VN	50	4.28	0.002277	± 2.5	PASS
	HCH	VN	-30	0.17	0.000089	± 2.5	PASS
		VN	-20	2.28	0.001195	± 2.5	PASS
		VN	-10	-0.88	-0.000461	± 2.5	PASS
		VN	0	2.52	0.001321	± 2.5	PASS
		VN	10	2.76	0.001447	± 2.5	PASS
		VN	20	0.61	0.000320	± 2.5	PASS
		VN	30	4.34	0.002275	± 2.5	PASS
		VN	40	-1.59	-0.000834	± 2.5	PASS
		VN	50	-1.29	-0.000676	± 2.5	PASS
16QAM	LCH	VN	-30	-1.43	-0.000772	± 2.5	PASS
		VN	-20	2.69	0.001452	± 2.5	PASS
		VN	-10	1.37	0.000740	± 2.5	PASS
		VN	0	-0.94	-0.000507	± 2.5	PASS
		VN	10	1.52	0.000821	± 2.5	PASS
		VN	20	2.85	0.001538	± 2.5	PASS
		VN	30	4.54	0.002451	± 2.5	PASS
		VN	40	-0.93	-0.000502	± 2.5	PASS
		VN	50	1.35	0.000729	± 2.5	PASS
	MCH	VN	-30	1.38	0.000734	± 2.5	PASS
		VN	-20	-1.99	-0.001059	± 2.5	PASS
		VN	-10	3.33	0.001771	± 2.5	PASS
		VN	0	-0.1	-0.000053	± 2.5	PASS
		VN	10	1.14	0.000606	± 2.5	PASS
		VN	20	0.82	0.000436	± 2.5	PASS
		VN	30	1.36	0.000723	± 2.5	PASS
		VN	40	-1.51	-0.000803	± 2.5	PASS
		VN	50	4.26	0.002266	± 2.5	PASS
	HCH	VN	-30	-1.24	-0.000650	± 2.5	PASS
		VN	-20	2.18	0.001143	± 2.5	PASS
		VN	-10	-0.78	-0.000409	± 2.5	PASS
		VN	0	1.21	0.000634	± 2.5	PASS
		VN	10	3.32	0.001740	± 2.5	PASS
		VN	20	1.2	0.000629	± 2.5	PASS
		VN	30	4.03	0.002113	± 2.5	PASS
		VN	40	1.08	0.000566	± 2.5	PASS
		VN	50	2.09	0.001096	± 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	-0.95	-0.000512	± 2.5	PASS
		VN	TN	2.45	0.001321	± 2.5	PASS
		VH	TN	1.86	0.001003	± 2.5	PASS
	MCH	VL	TN	4.69	0.002495	± 2.5	PASS
		VN	TN	2.89	0.001537	± 2.5	PASS
		VH	TN	1.83	0.000973	± 2.5	PASS
	HCH	VL	TN	0.4	0.000210	± 2.5	PASS
		VN	TN	1.79	0.000940	± 2.5	PASS
		VH	TN	-0.14	-0.000073	± 2.5	PASS
16QAM	LCH	VL	TN	0.01	0.000005	± 2.5	PASS
		VN	TN	4.86	0.002620	± 2.5	PASS
		VH	TN	-0.14	-0.000075	± 2.5	PASS
	MCH	VL	TN	3.58	0.001904	± 2.5	PASS
		VN	TN	1.33	0.000707	± 2.5	PASS
		VH	TN	0.56	0.000298	± 2.5	PASS
	HCH	VL	TN	4.39	0.002304	± 2.5	PASS
		VN	TN	0.55	0.000289	± 2.5	PASS
		VH	TN	1.9	0.000997	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	4.55	0.002453	± 2.5	PASS
		VN	-20	-0.34	-0.000183	± 2.5	PASS
		VN	-10	3.86	0.002081	± 2.5	PASS
		VN	0	0.14	0.000075	± 2.5	PASS
		VN	10	3.17	0.001709	± 2.5	PASS
		VN	20	1.92	0.001035	± 2.5	PASS
		VN	30	0.79	0.000426	± 2.5	PASS
		VN	40	-1.26	-0.000679	± 2.5	PASS
		VN	50	4.54	0.002447	± 2.5	PASS
	MCH	VN	-30	0.17	0.000090	± 2.5	PASS
		VN	-20	4.96	0.002638	± 2.5	PASS
		VN	-10	3.49	0.001856	± 2.5	PASS
		VN	0	-0.89	-0.000473	± 2.5	PASS
		VN	10	4.61	0.002452	± 2.5	PASS
		VN	20	-0.87	-0.000463	± 2.5	PASS

		VN	30	3.78	0.002011	± 2.5	PASS
		VN	40	3.79	0.002016	± 2.5	PASS
		VN	50	2.08	0.001106	± 2.5	PASS
	HCH	VN	-30	0.65	0.000341	± 2.5	PASS
		VN	-20	3.06	0.001606	± 2.5	PASS
		VN	-10	-1.34	-0.000703	± 2.5	PASS
		VN	0	0.26	0.000136	± 2.5	PASS
		VN	10	3.04	0.001596	± 2.5	PASS
		VN	20	4.17	0.002189	± 2.5	PASS
		VN	30	1.92	0.001008	± 2.5	PASS
		VN	40	2.26	0.001186	± 2.5	PASS
		VN	50	0.07	0.000037	± 2.5	PASS
QPSK	LCH	VN	-30	-1.78	-0.000960	± 2.5	PASS
		VN	-20	2.5	0.001348	± 2.5	PASS
		VN	-10	1.23	0.000663	± 2.5	PASS
		VN	0	1.11	0.000598	± 2.5	PASS
		VN	10	1.22	0.000658	± 2.5	PASS
		VN	20	-1.45	-0.000782	± 2.5	PASS
		VN	30	3.46	0.001865	± 2.5	PASS
		VN	40	2.97	0.001601	± 2.5	PASS
		VN	50	3.64	0.001962	± 2.5	PASS
	MCH	VN	-30	1.1	0.000585	± 2.5	PASS
		VN	-20	0.24	0.000128	± 2.5	PASS
		VN	-10	1.4	0.000745	± 2.5	PASS
		VN	0	4.8	0.002553	± 2.5	PASS
		VN	10	-1.23	-0.000654	± 2.5	PASS
		VN	20	-0.48	-0.000255	± 2.5	PASS
		VN	30	3.77	0.002005	± 2.5	PASS
		VN	40	0.67	0.000356	± 2.5	PASS
		VN	50	1.73	0.000920	± 2.5	PASS
	HCH	VN	-30	0.92	0.000483	± 2.5	PASS
		VN	-20	1.49	0.000782	± 2.5	PASS
		VN	-10	0.41	0.000215	± 2.5	PASS
		VN	0	0.37	0.000194	± 2.5	PASS
		VN	10	-1.01	-0.000530	± 2.5	PASS
		VN	20	-1.55	-0.000814	± 2.5	PASS
		VN	30	0.12	0.000063	± 2.5	PASS
		VN	40	0.77	0.000404	± 2.5	PASS
		VN	50	1.32	0.000693	± 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	1.55	0.000834	± 2.5	PASS
		VN	TN	2.62	0.001410	± 2.5	PASS
		VH	TN	-1.21	-0.000651	± 2.5	PASS
	MCH	VL	TN	-1.65	-0.000878	± 2.5	PASS
		VN	TN	3.78	0.002011	± 2.5	PASS
		VH	TN	1.39	0.000739	± 2.5	PASS
	HCH	VL	TN	1.76	0.000925	± 2.5	PASS
		VN	TN	0.59	0.000310	± 2.5	PASS
		VH	TN	-1.8	-0.000946	± 2.5	PASS
16QAM	LCH	VL	TN	0.71	0.000382	± 2.5	PASS
		VN	TN	2.42	0.001303	± 2.5	PASS
		VH	TN	0.34	0.000183	± 2.5	PASS
	MCH	VL	TN	0.06	0.000032	± 2.5	PASS
		VN	TN	2.19	0.001165	± 2.5	PASS
		VH	TN	-0.55	-0.000293	± 2.5	PASS
	HCH	VL	TN	1.7	0.000894	± 2.5	PASS
		VN	TN	1.57	0.000825	± 2.5	PASS
		VH	TN	3.04	0.001598	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.92	0.002110	± 2.5	PASS
		VN	-20	1.72	0.000926	± 2.5	PASS
		VN	-10	3.19	0.001717	± 2.5	PASS
		VN	0	2.72	0.001464	± 2.5	PASS
		VN	10	-0.47	-0.000253	± 2.5	PASS
		VN	20	-1.41	-0.000759	± 2.5	PASS
		VN	30	3.02	0.001626	± 2.5	PASS
		VN	40	-1.93	-0.001039	± 2.5	PASS
		VN	50	-0.71	-0.000382	± 2.5	PASS
	MCH	VN	-30	2.99	0.001590	± 2.5	PASS
		VN	-20	2.6	0.001383	± 2.5	PASS
		VN	-10	0.65	0.000346	± 2.5	PASS
		VN	0	3.84	0.002043	± 2.5	PASS
		VN	10	4.28	0.002277	± 2.5	PASS
		VN	20	-1.84	-0.000979	± 2.5	PASS

		VN	30	2.79	0.001484	± 2.5	PASS
		VN	40	-0.03	-0.000016	± 2.5	PASS
		VN	50	1.7	0.000904	± 2.5	PASS
	HCH	VN	-30	-1.4	-0.000736	± 2.5	PASS
		VN	-20	4.1	0.002155	± 2.5	PASS
		VN	-10	-1.57	-0.000825	± 2.5	PASS
		VN	0	0.49	0.000258	± 2.5	PASS
		VN	10	-0.64	-0.000336	± 2.5	PASS
		VN	20	1.56	0.000820	± 2.5	PASS
		VN	30	3.33	0.001750	± 2.5	PASS
		VN	40	2.8	0.001472	± 2.5	PASS
		VN	50	2.47	0.001298	± 2.5	PASS
16QAM	LCH	VN	-30	0.49	0.000264	± 2.5	PASS
		VN	-20	-0.38	-0.000205	± 2.5	PASS
		VN	-10	1.42	0.000764	± 2.5	PASS
		VN	0	3.98	0.002143	± 2.5	PASS
		VN	10	0.15	0.000081	± 2.5	PASS
		VN	20	1.23	0.000662	± 2.5	PASS
		VN	30	1.98	0.001066	± 2.5	PASS
		VN	40	-0.43	-0.000231	± 2.5	PASS
		VN	50	4.19	0.002256	± 2.5	PASS
	MCH	VN	-30	4.25	0.002261	± 2.5	PASS
		VN	-20	0.65	0.000346	± 2.5	PASS
		VN	-10	2.06	0.001096	± 2.5	PASS
		VN	0	1.28	0.000681	± 2.5	PASS
		VN	10	3.11	0.001654	± 2.5	PASS
		VN	20	1.77	0.000941	± 2.5	PASS
		VN	30	3.03	0.001612	± 2.5	PASS
		VN	40	3.56	0.001894	± 2.5	PASS
		VN	50	1.12	0.000596	± 2.5	PASS
	HCH	VN	-30	2.08	0.001093	± 2.5	PASS
		VN	-20	2.88	0.001514	± 2.5	PASS
		VN	-10	0.29	0.000152	± 2.5	PASS
		VN	0	3.55	0.001866	± 2.5	PASS
		VN	10	4.29	0.002255	± 2.5	PASS
		VN	20	-1.9	-0.000999	± 2.5	PASS
		VN	30	0.02	0.000011	± 2.5	PASS
		VN	40	3.45	0.001813	± 2.5	PASS
		VN	50	-1.88	-0.000988	± 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	4.29	0.002306	± 2.5	PASS
		VN	TN	0.48	0.000258	± 2.5	PASS
		VH	TN	2.93	0.001575	± 2.5	PASS
	MCH	VL	TN	1.34	0.000713	± 2.5	PASS
		VN	TN	3.94	0.002096	± 2.5	PASS
		VH	TN	-0.27	-0.000144	± 2.5	PASS
	HCH	VL	TN	0.86	0.000453	± 2.5	PASS
		VN	TN	0.3	0.000158	± 2.5	PASS
		VH	TN	1.63	0.000858	± 2.5	PASS
16QAM	LCH	VL	TN	0.07	0.000038	± 2.5	PASS
		VN	TN	1.94	0.001043	± 2.5	PASS
		VH	TN	2.49	0.001339	± 2.5	PASS
	MCH	VL	TN	-0.96	-0.000511	± 2.5	PASS
		VN	TN	3.94	0.002096	± 2.5	PASS
		VH	TN	3.42	0.001819	± 2.5	PASS
	HCH	VL	TN	0.13	0.000068	± 2.5	PASS
		VN	TN	3.17	0.001668	± 2.5	PASS
		VH	TN	3.41	0.001795	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.01	0.001618	± 2.5	PASS
		VN	-20	2.92	0.001570	± 2.5	PASS
		VN	-10	-1.01	-0.000543	± 2.5	PASS
		VN	0	2.12	0.001140	± 2.5	PASS
		VN	10	0.25	0.000134	± 2.5	PASS
		VN	20	-1.96	-0.001054	± 2.5	PASS
		VN	30	4.63	0.002489	± 2.5	PASS
		VN	40	4.17	0.002242	± 2.5	PASS
		VN	50	1.01	0.000543	± 2.5	PASS
	MCH	VN	-30	-0.36	-0.000191	± 2.5	PASS
		VN	-20	-0.52	-0.000277	± 2.5	PASS
		VN	-10	-1.89	-0.001005	± 2.5	PASS
		VN	0	4.43	0.002356	± 2.5	PASS
		VN	10	2.04	0.001085	± 2.5	PASS
		VN	20	0.64	0.000340	± 2.5	PASS

		VN	30	1.21	0.000644	± 2.5	PASS
		VN	40	4	0.002128	± 2.5	PASS
		VN	50	1.11	0.000590	± 2.5	PASS
	HCH	VN	-30	2.33	0.001226	± 2.5	PASS
		VN	-20	3.76	0.001979	± 2.5	PASS
		VN	-10	3.66	0.001926	± 2.5	PASS
		VN	0	1.65	0.000868	± 2.5	PASS
		VN	10	4.68	0.002463	± 2.5	PASS
		VN	20	3.97	0.002089	± 2.5	PASS
		VN	30	4.42	0.002326	± 2.5	PASS
		VN	40	-1.92	-0.001011	± 2.5	PASS
		VN	50	2.97	0.001563	± 2.5	PASS
16QAM	LCH	VN	-30	-0.36	-0.000194	± 2.5	PASS
		VN	-20	4.51	0.002425	± 2.5	PASS
		VN	-10	1.63	0.000876	± 2.5	PASS
		VN	0	0.48	0.000258	± 2.5	PASS
		VN	10	1.99	0.001070	± 2.5	PASS
		VN	20	-0.98	-0.000527	± 2.5	PASS
		VN	30	3.45	0.001855	± 2.5	PASS
		VN	40	3.98	0.002140	± 2.5	PASS
		VN	50	1.71	0.000919	± 2.5	PASS
	MCH	VN	-30	3.64	0.001936	± 2.5	PASS
		VN	-20	0.74	0.000394	± 2.5	PASS
		VN	-10	0.45	0.000239	± 2.5	PASS
		VN	0	0.66	0.000351	± 2.5	PASS
		VN	10	0.77	0.000410	± 2.5	PASS
		VN	20	-1.69	-0.000899	± 2.5	PASS
		VN	30	3.66	0.001947	± 2.5	PASS
		VN	40	4.63	0.002463	± 2.5	PASS
		VN	50	-0.69	-0.000367	± 2.5	PASS
	HCH	VN	-30	4.25	0.002237	± 2.5	PASS
		VN	-20	-1.02	-0.000537	± 2.5	PASS
		VN	-10	1.3	0.000684	± 2.5	PASS
		VN	0	1.21	0.000637	± 2.5	PASS
		VN	10	3.96	0.002084	± 2.5	PASS
		VN	20	2.66	0.001400	± 2.5	PASS
		VN	30	1.04	0.000547	± 2.5	PASS
		VN	40	4.75	0.002500	± 2.5	PASS
		VN	50	-0.25	-0.000132	± 2.5	PASS