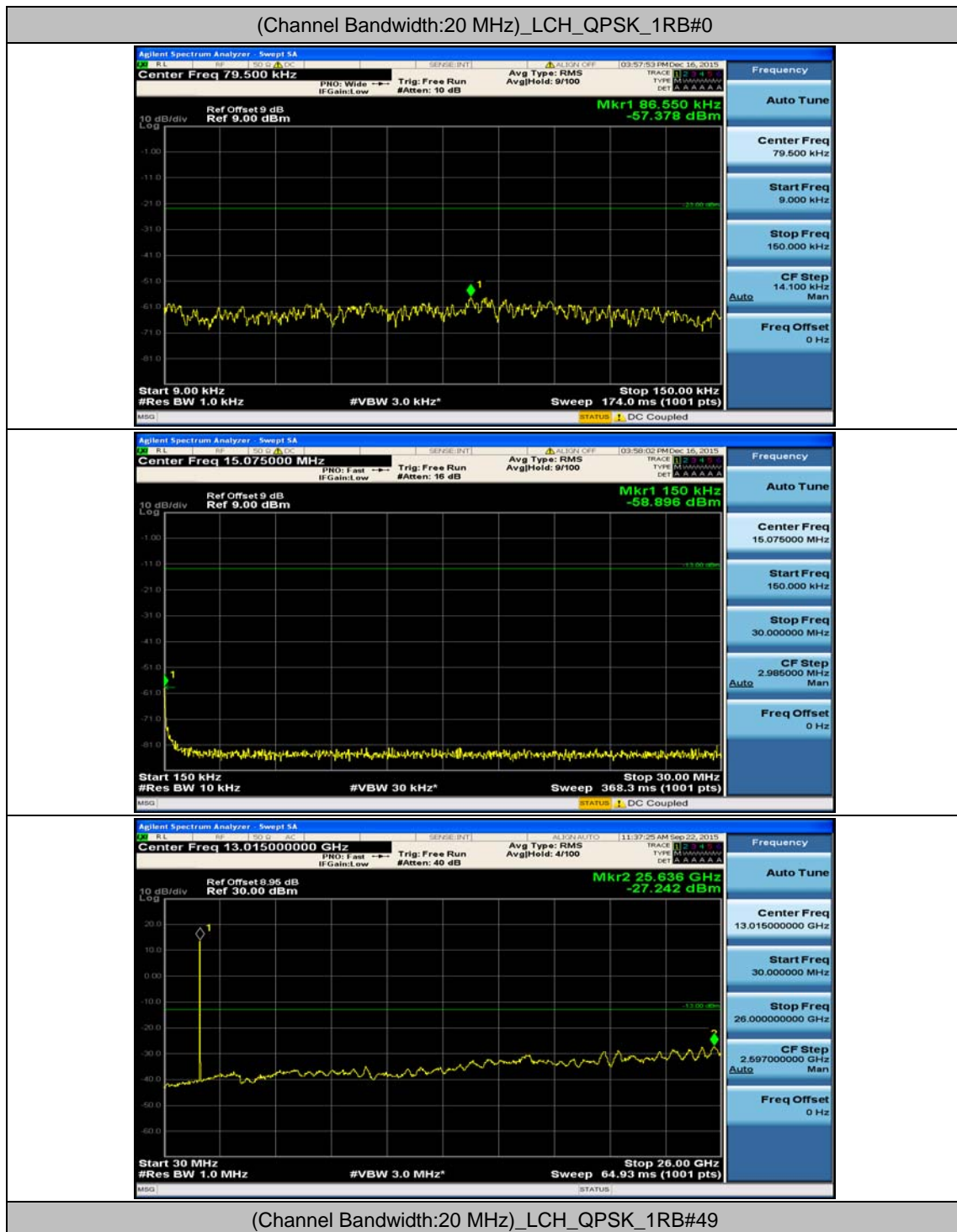
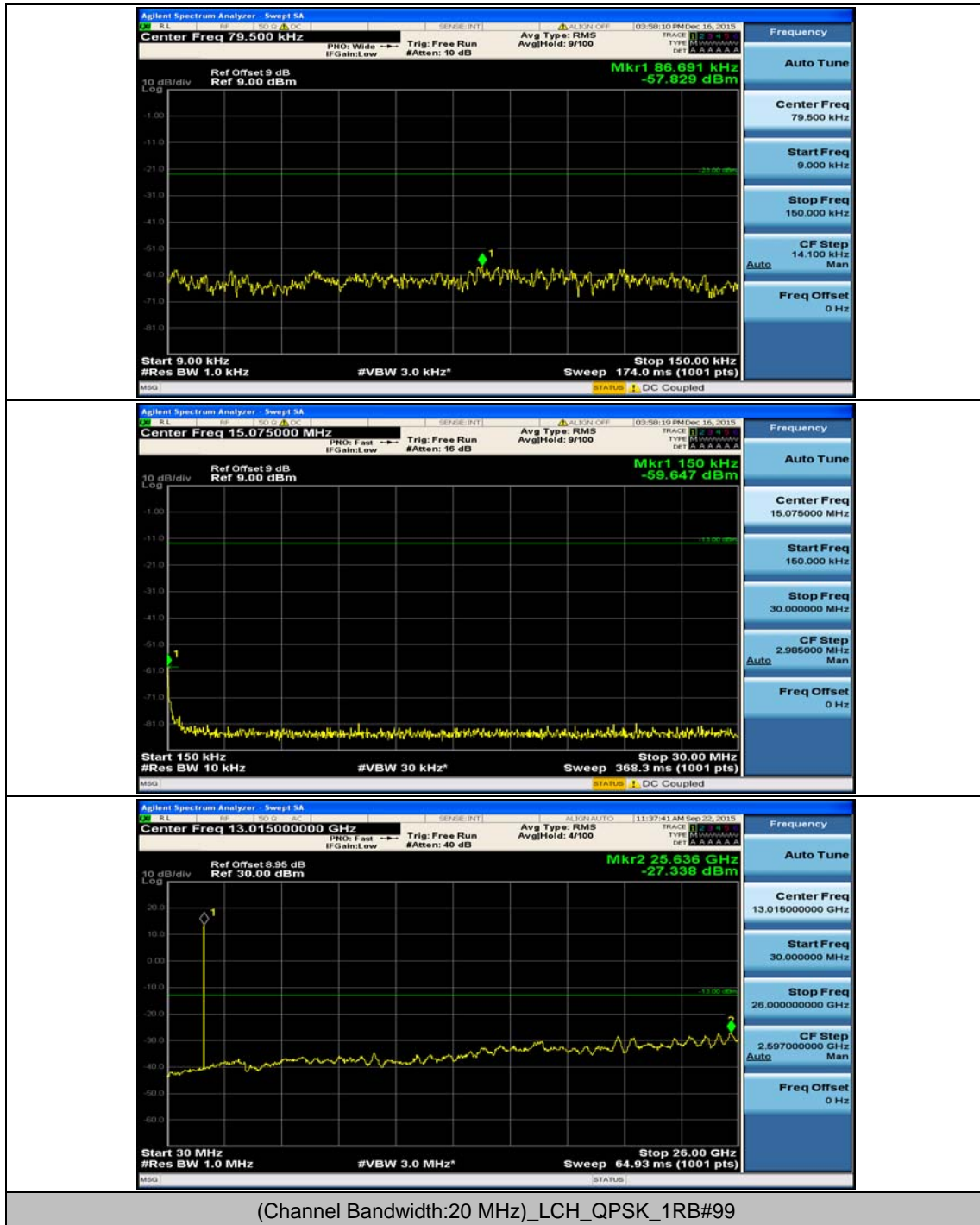
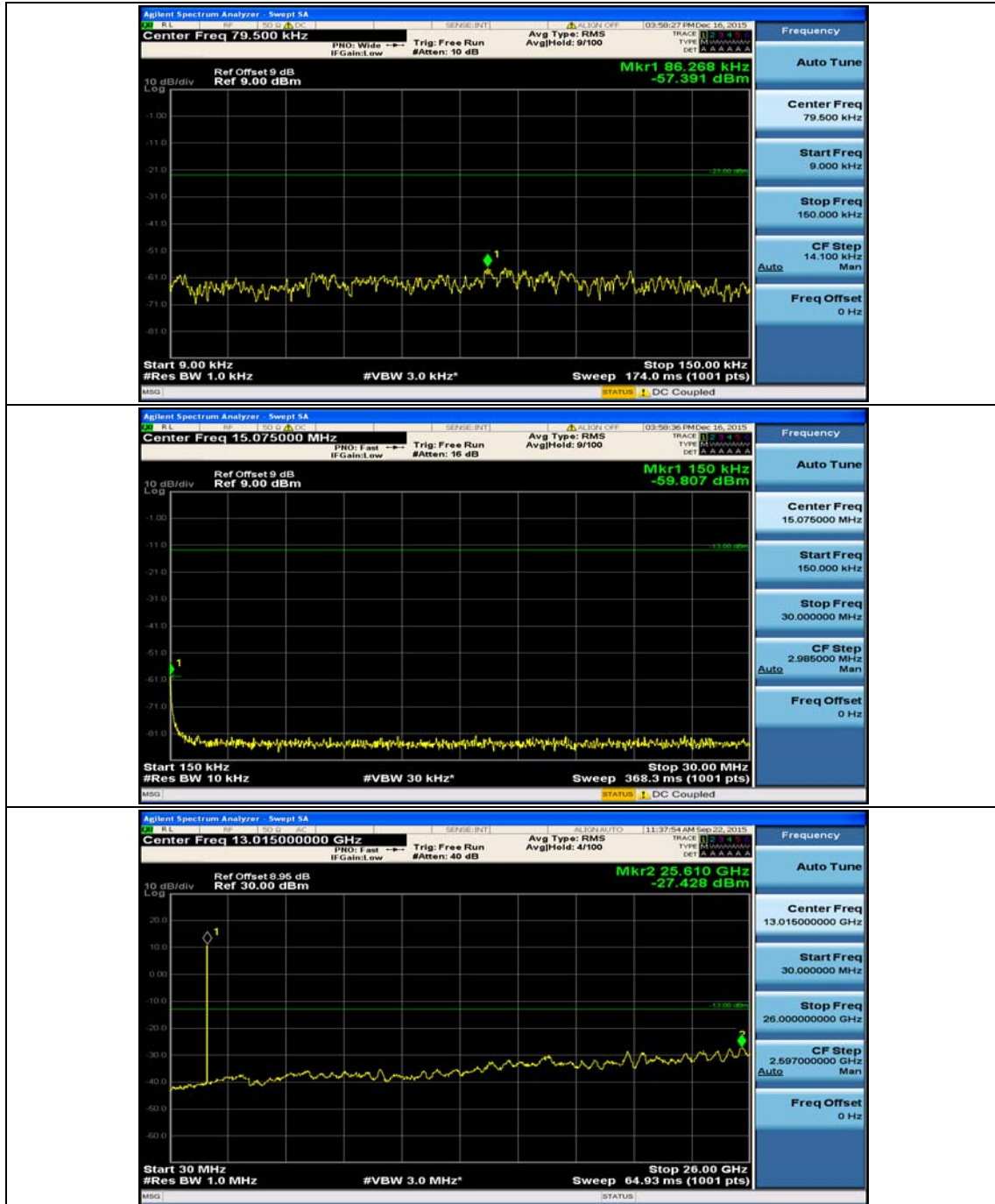


## Channel Bandwidth: 20 MHz

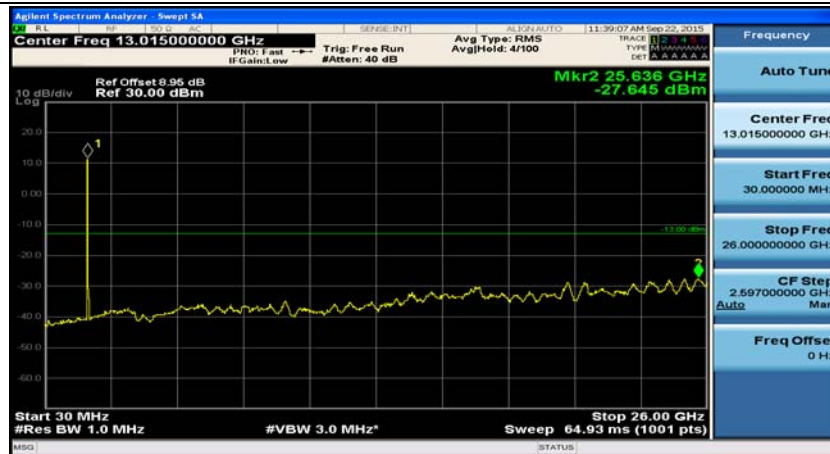
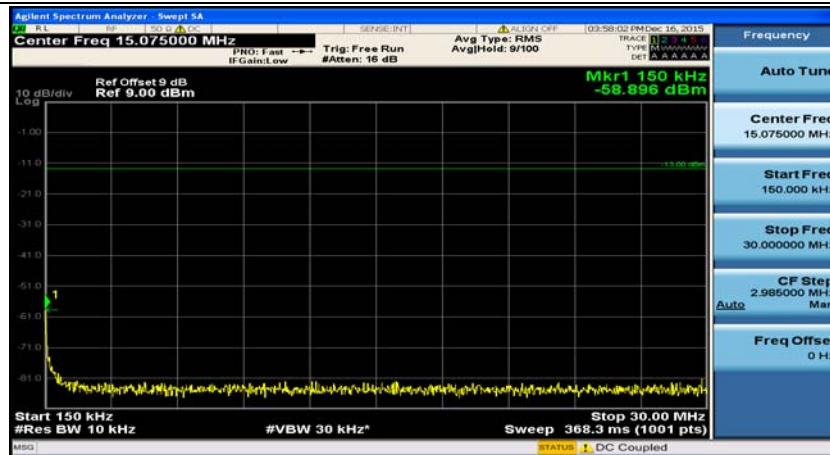
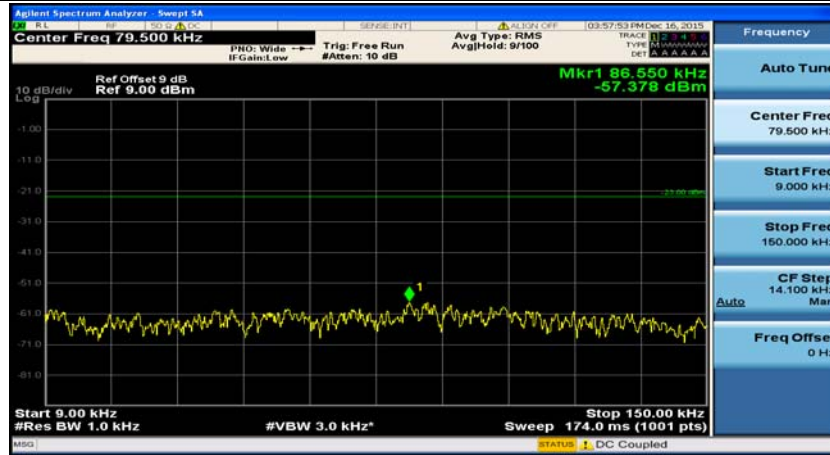




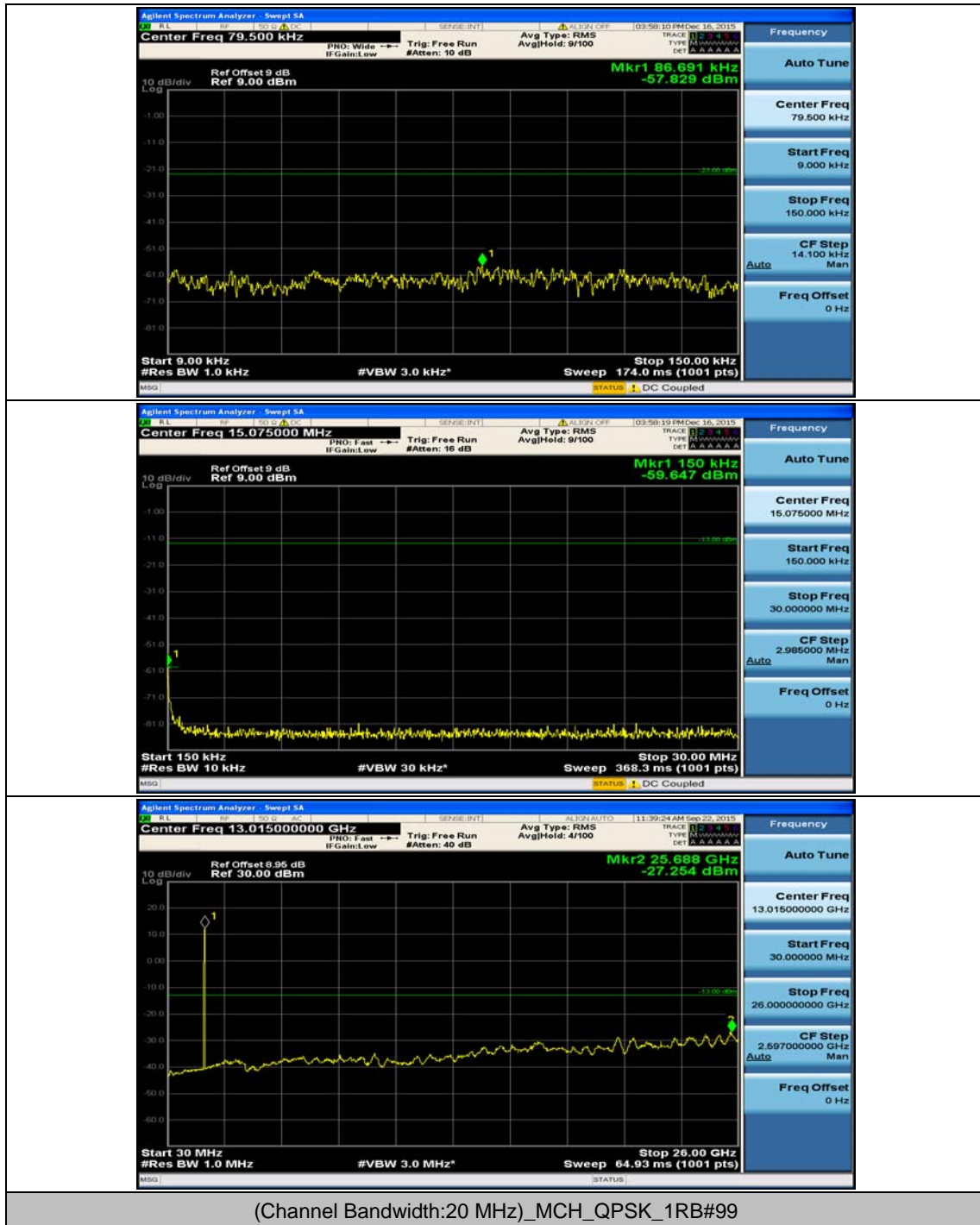


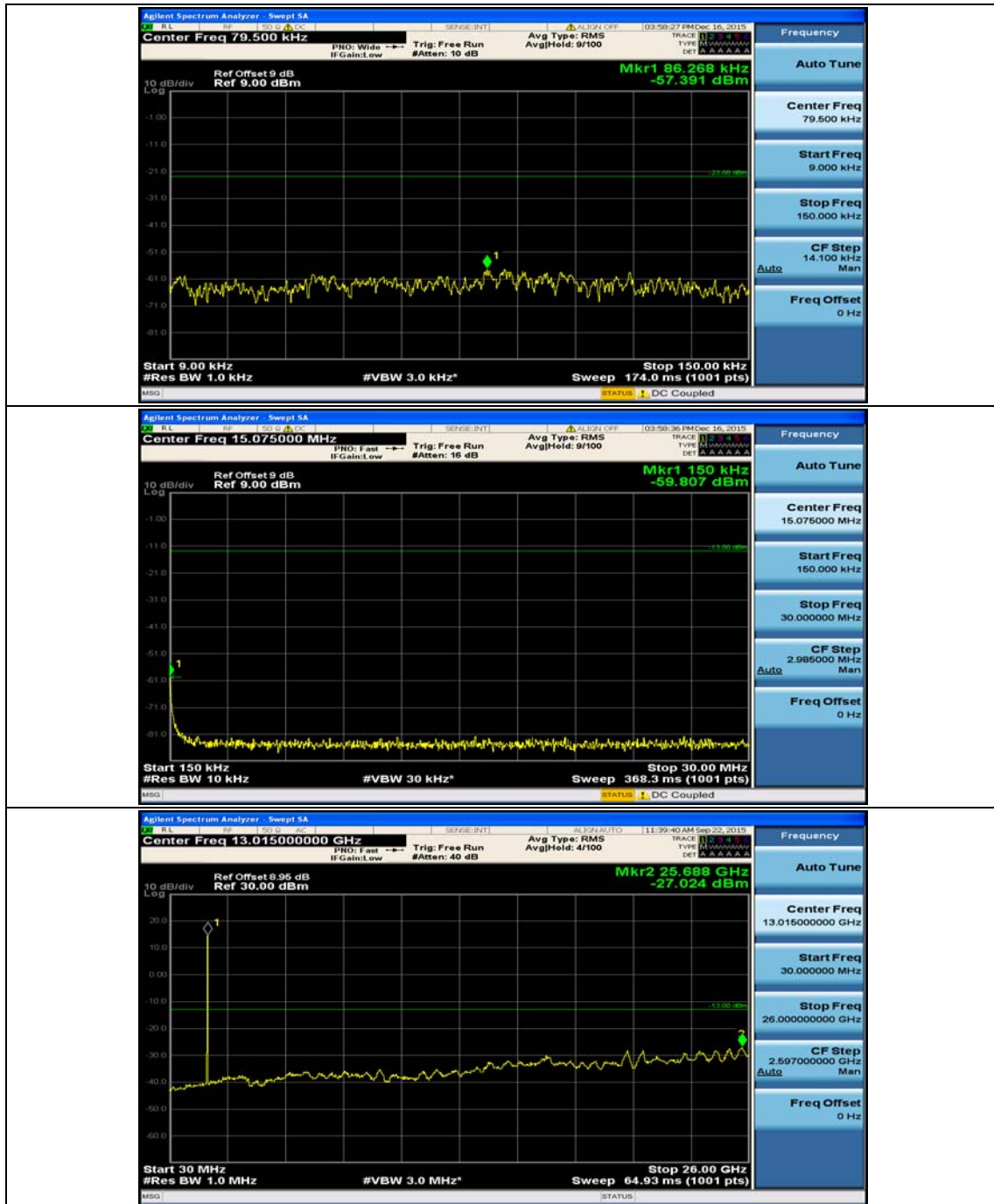


(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_1RB#0



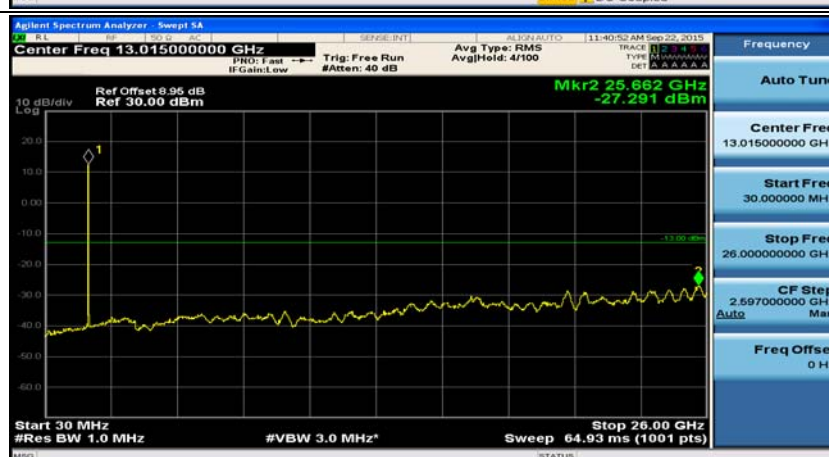
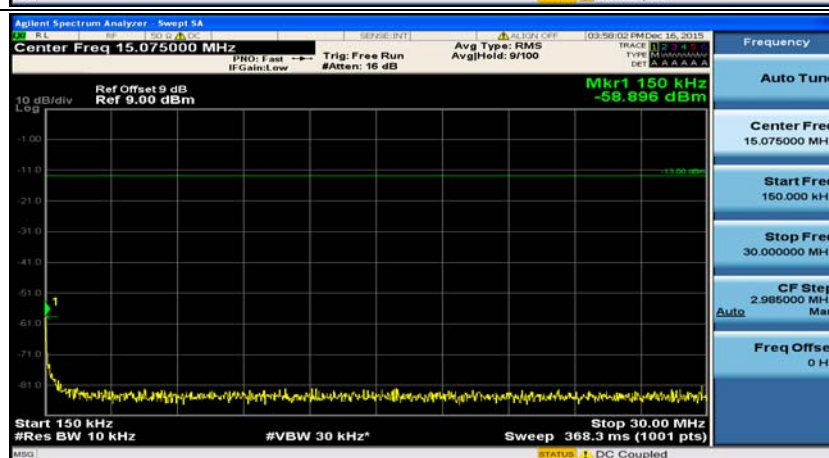
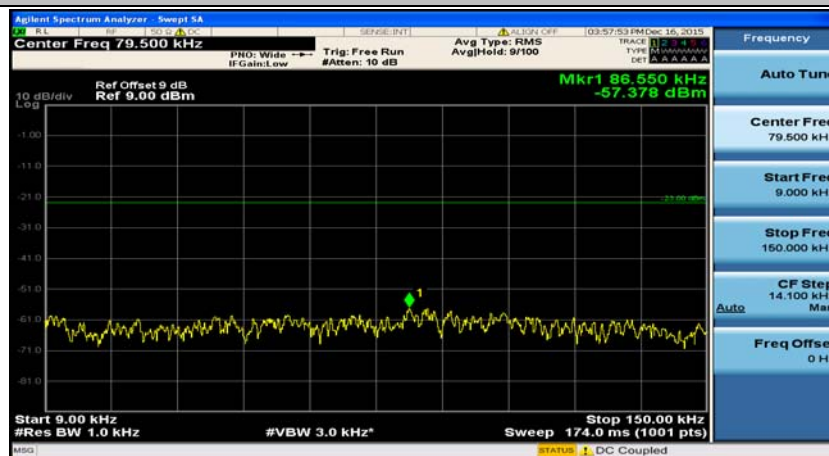
(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_1RB#49



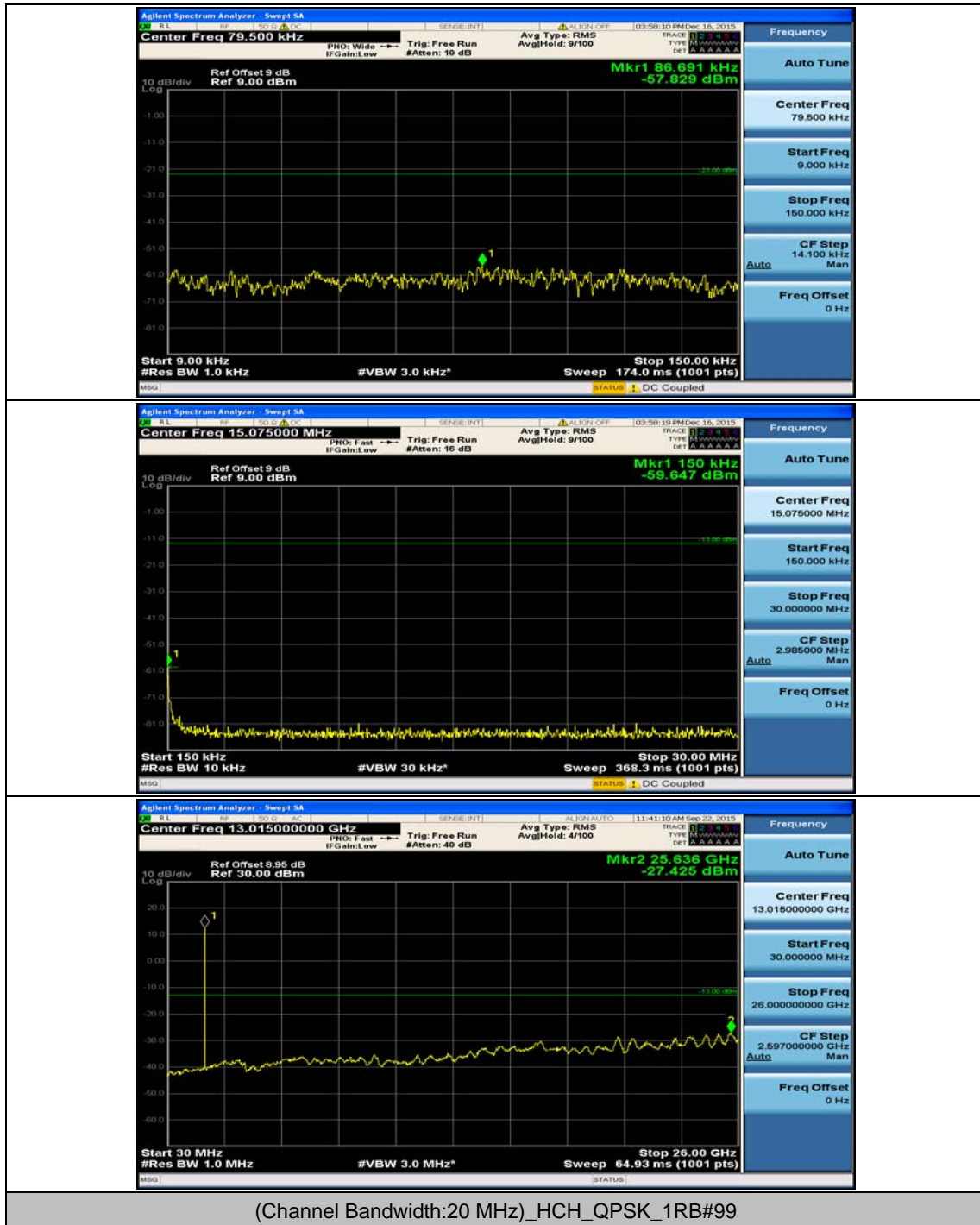


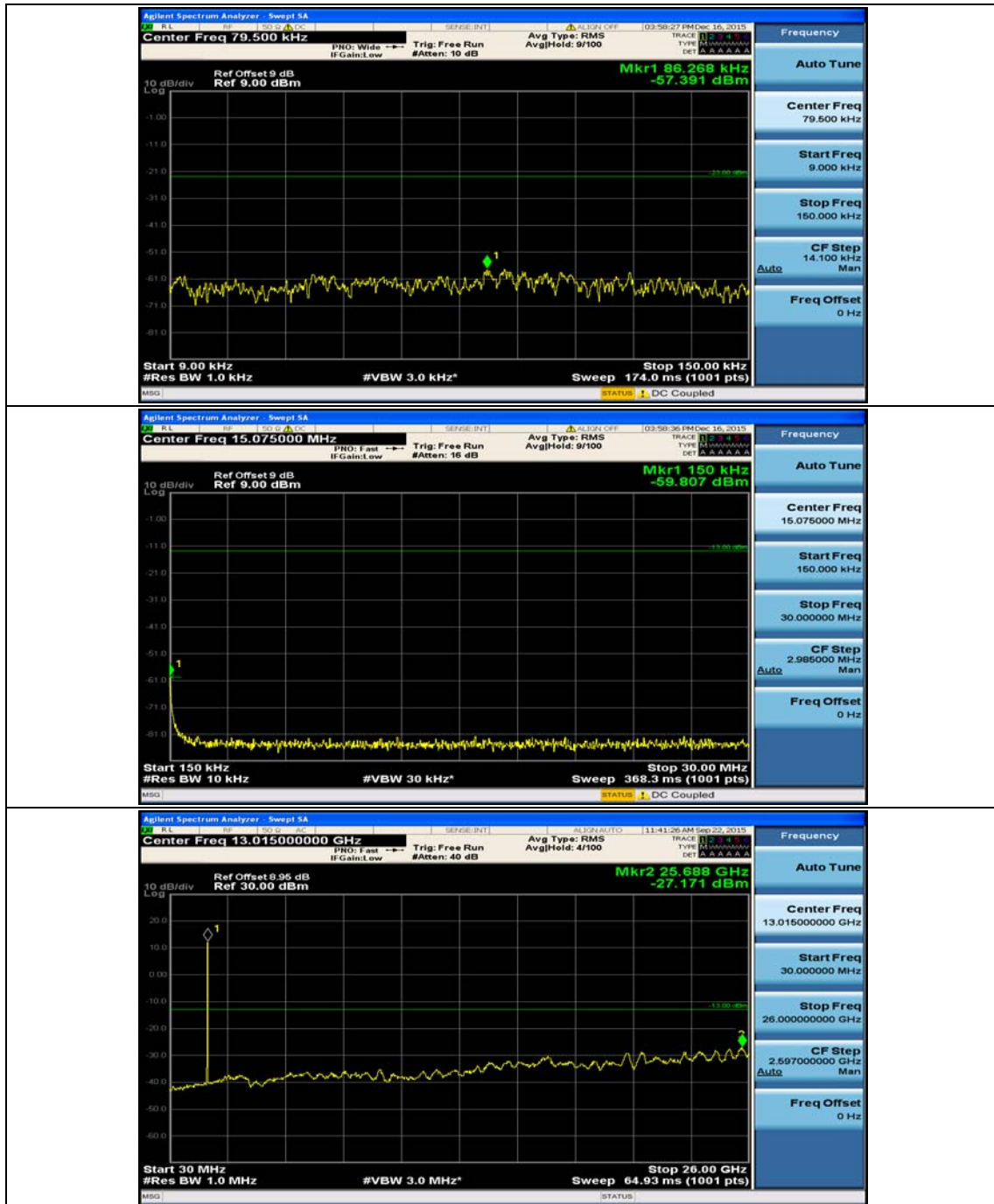


(Channel Bandwidth:20 MHz)\_HCH\_QPSK\_1RB#0

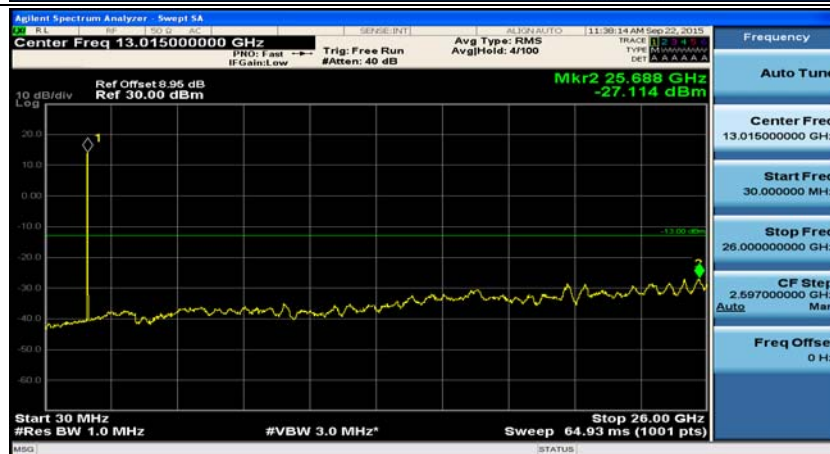
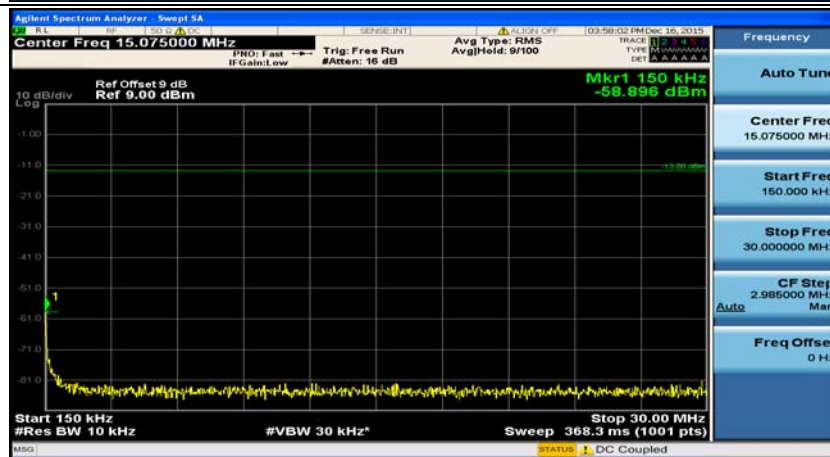
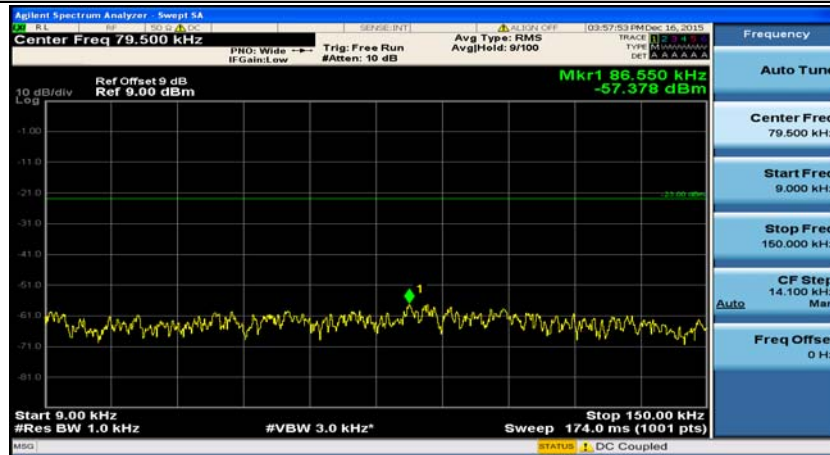


(Channel Bandwidth:20 MHz)\_HCH\_QPSK\_1RB#49

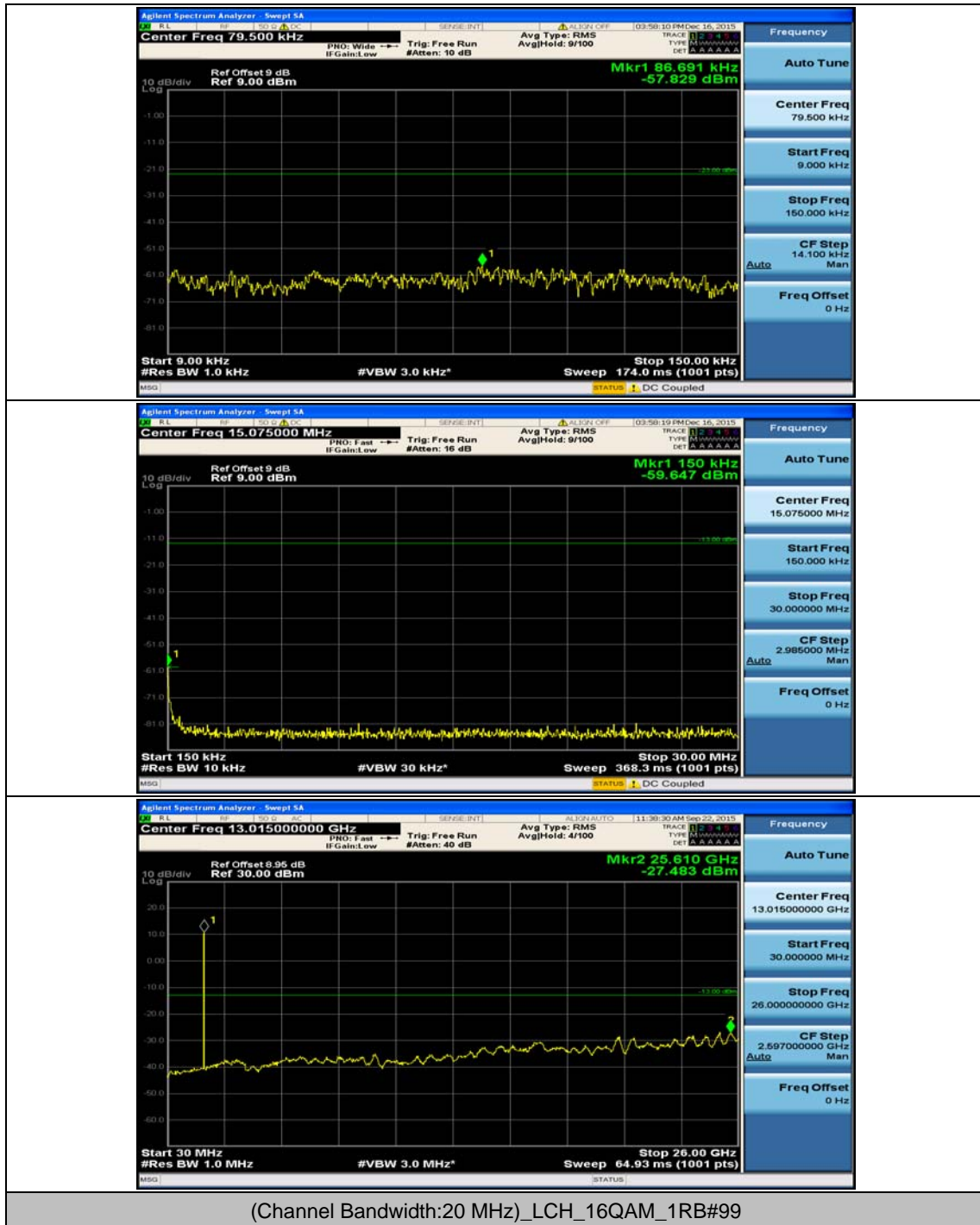




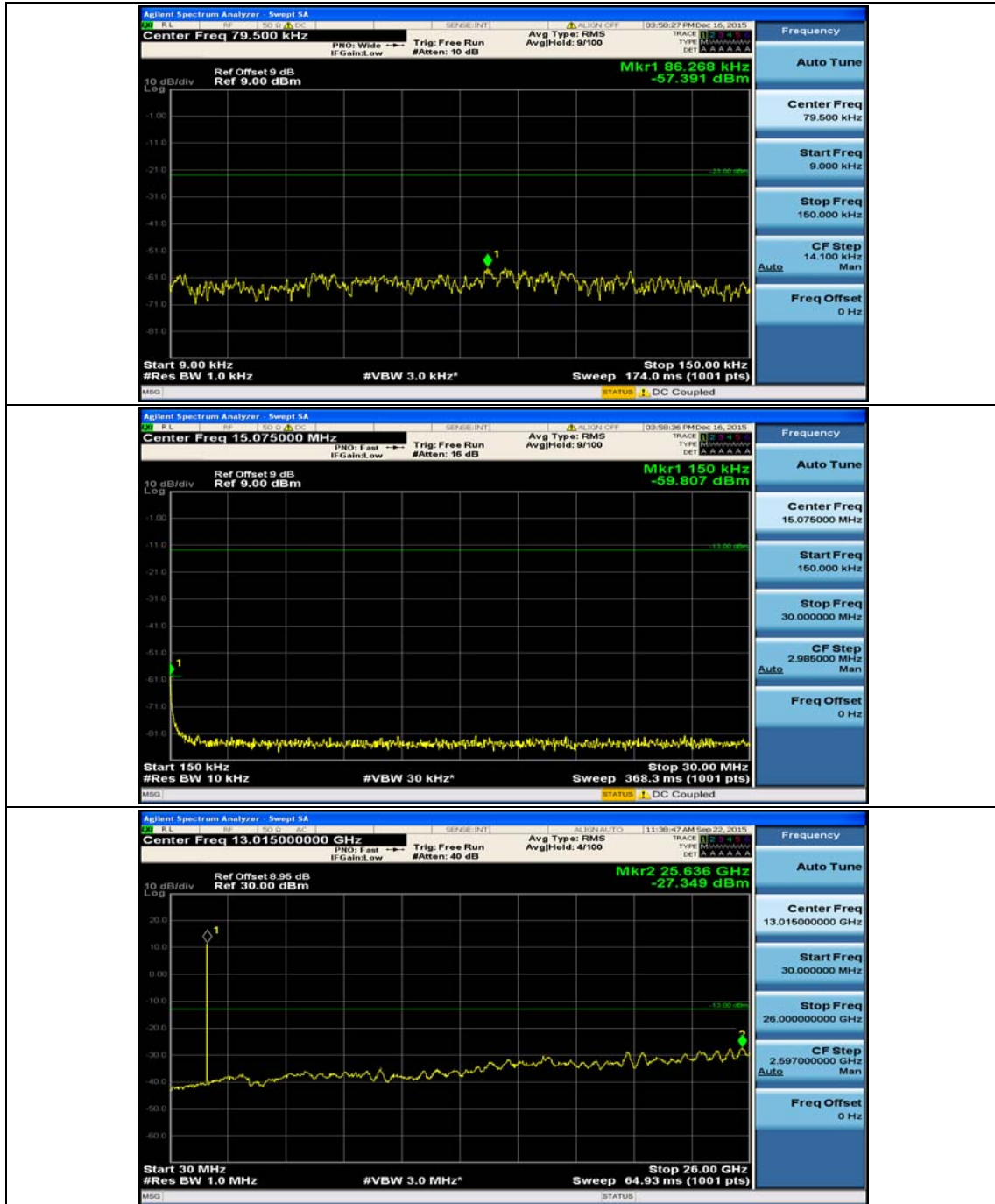
(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_1RB#0



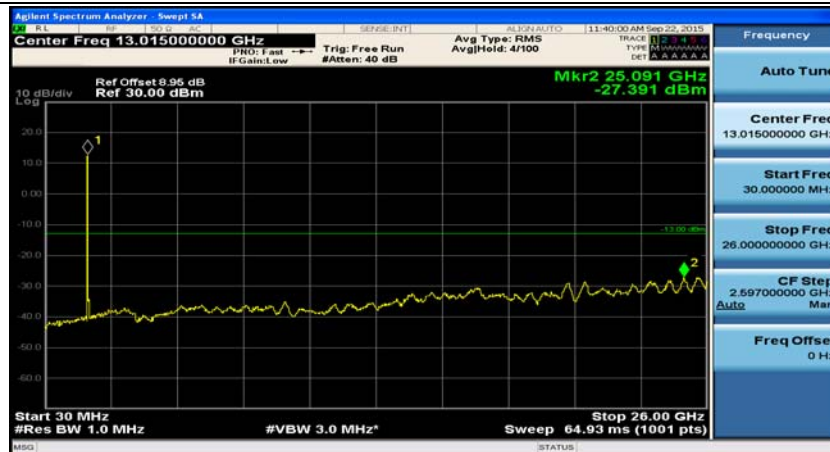
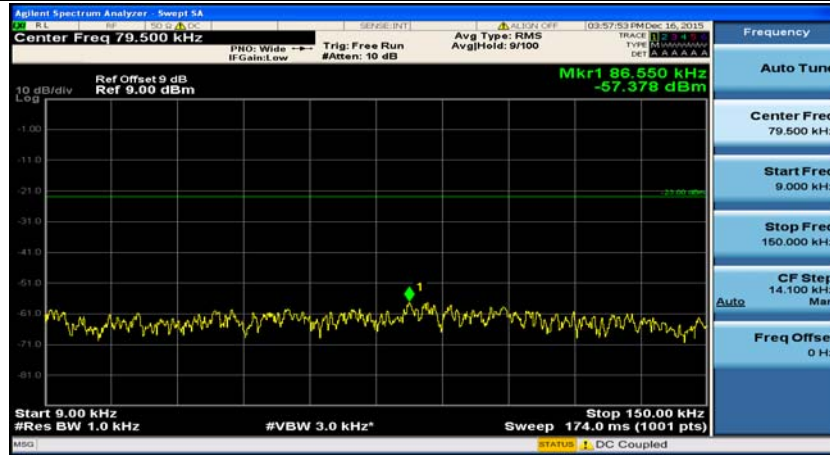
(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_1RB#49



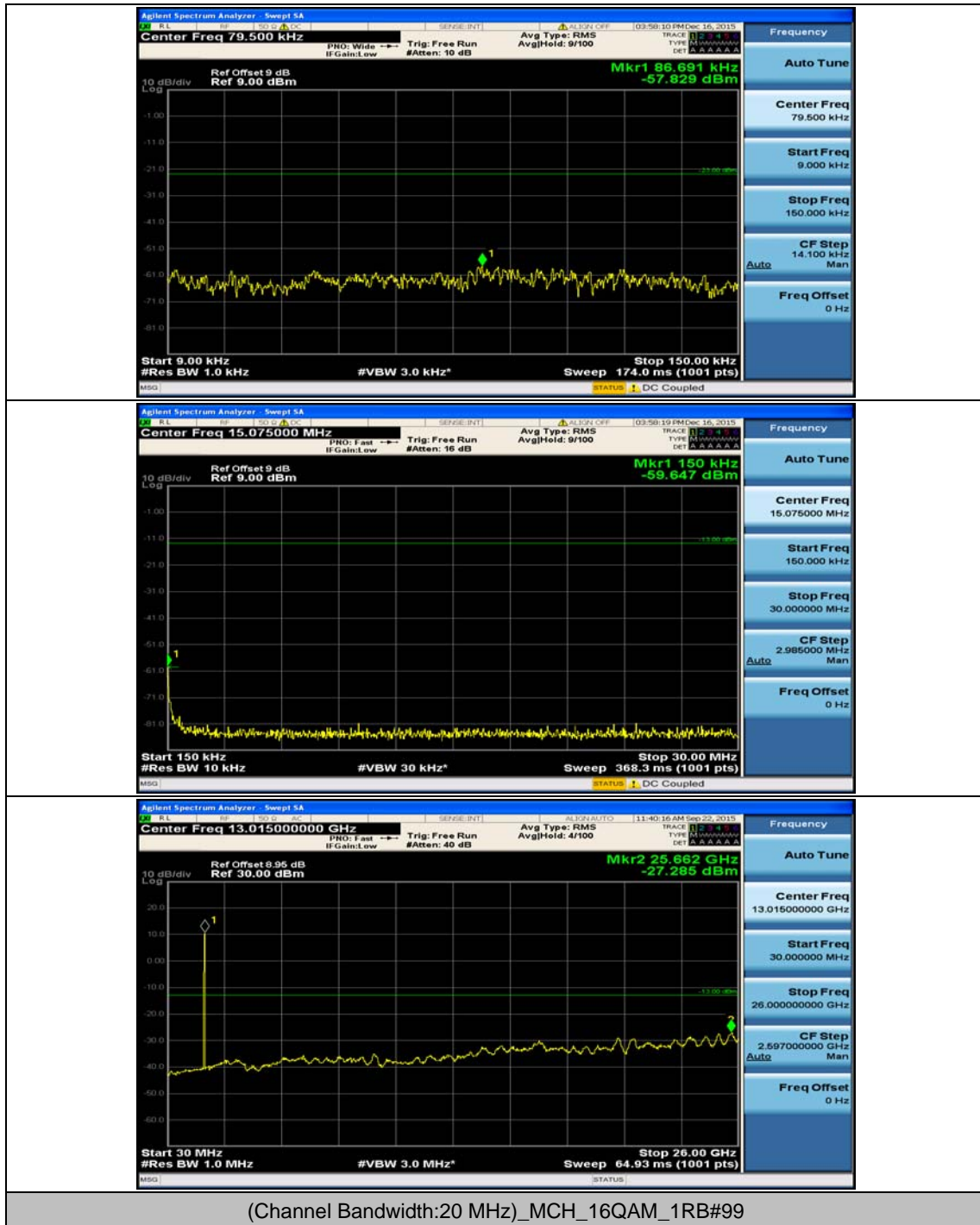


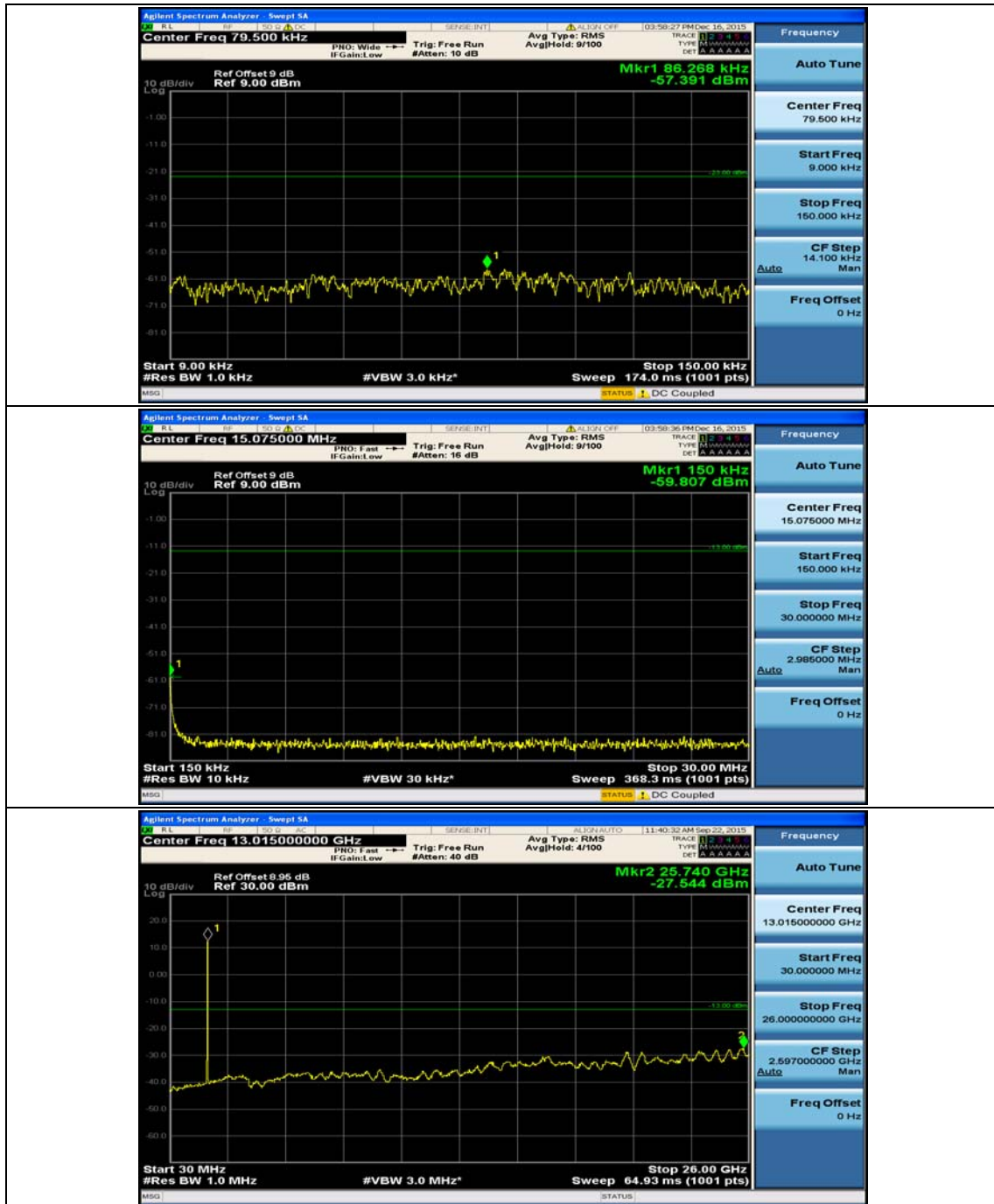


(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_1RB#0

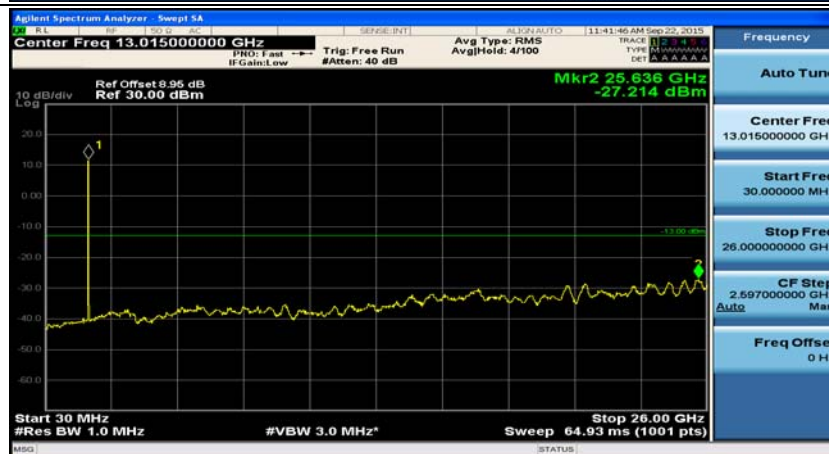
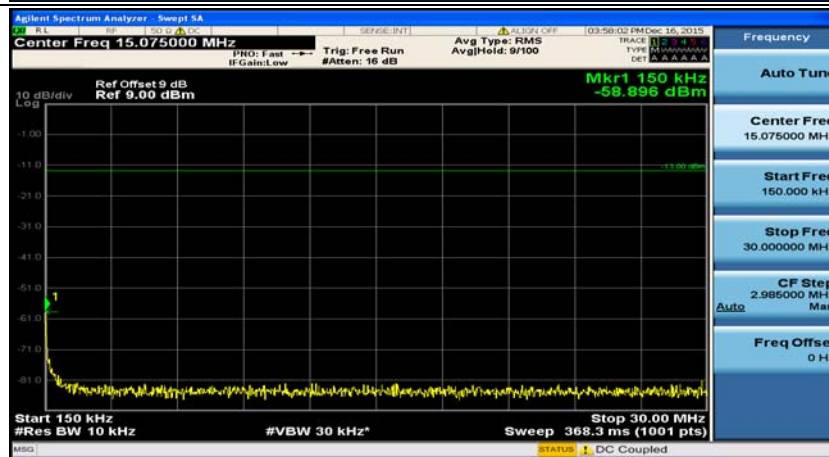
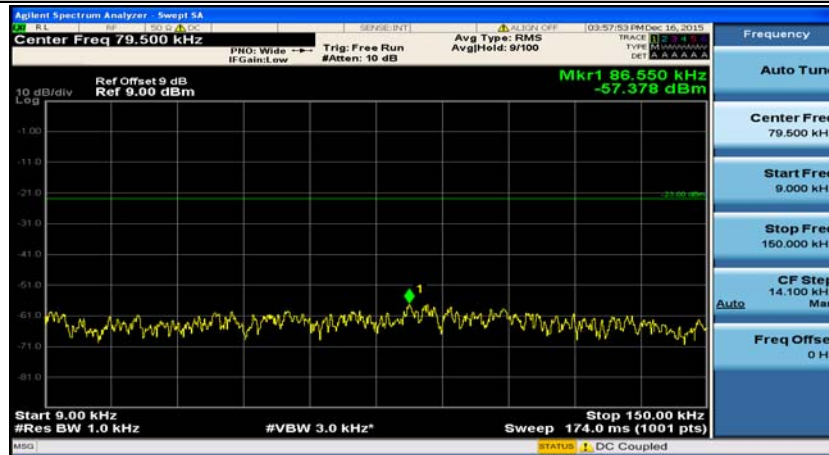


(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_1RB#49



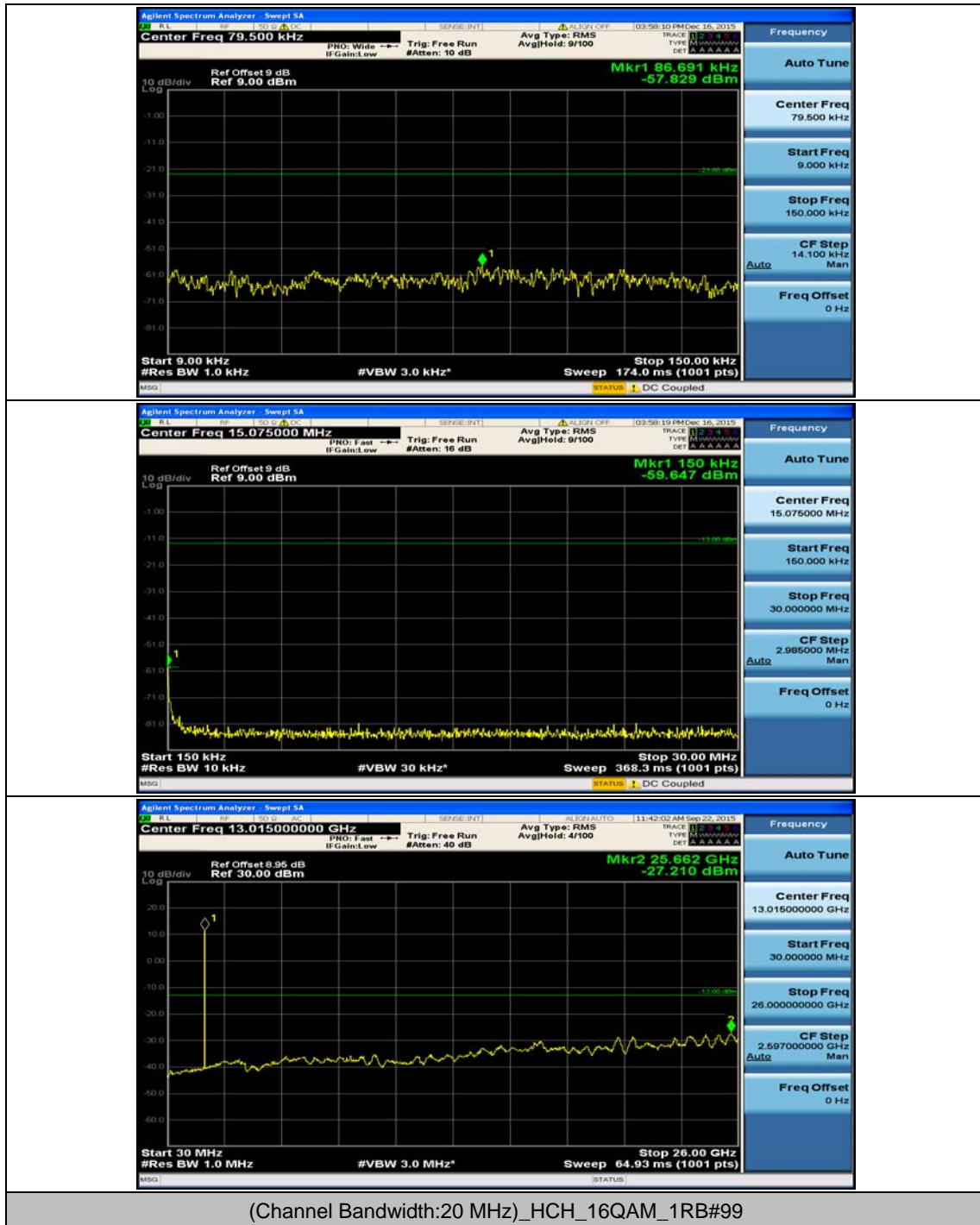


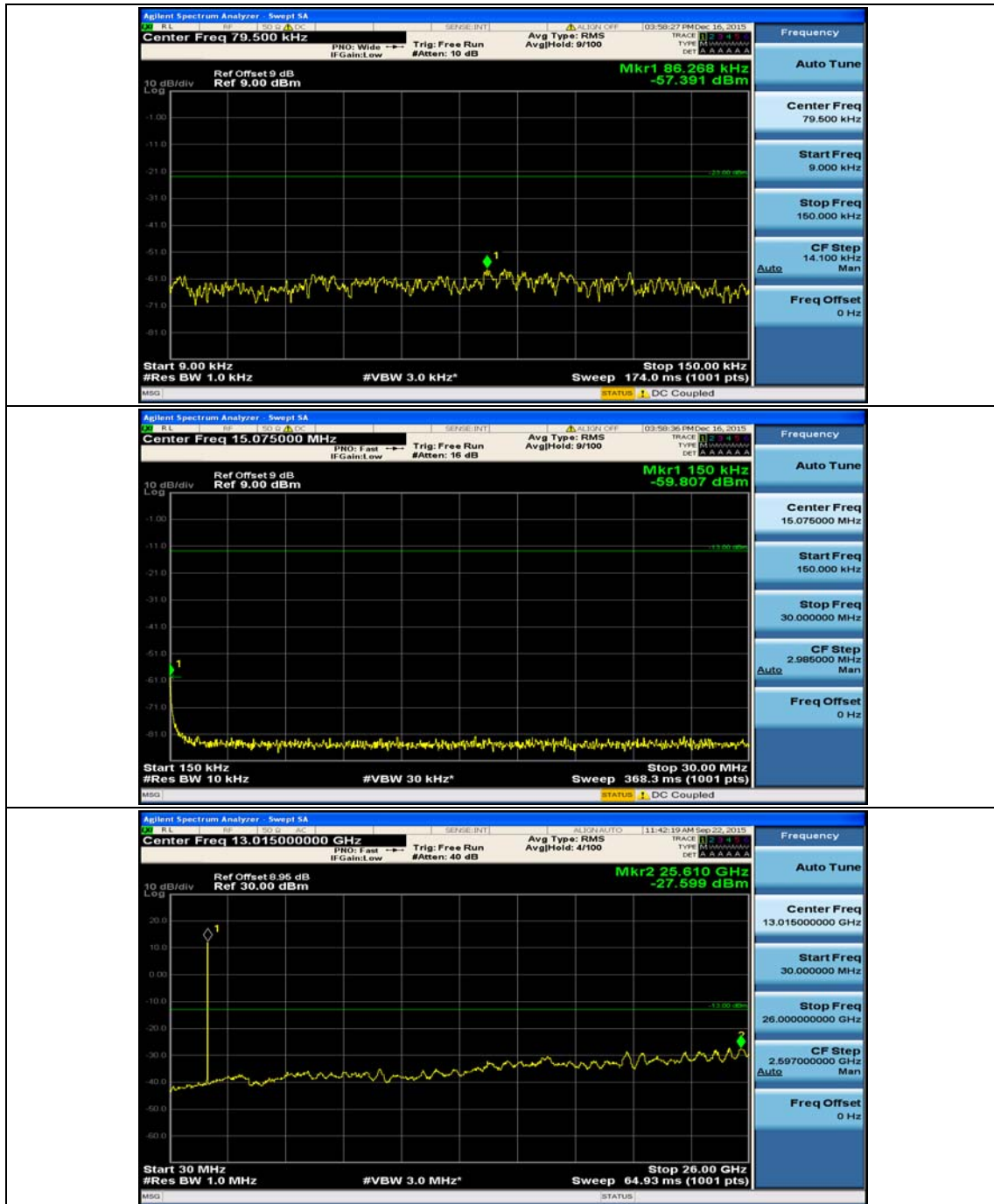
(Channel Bandwidth:20 MHz)\_HCH\_16QAM\_1RB#0



(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	3.85	0.002249	± 2.5	PASS
		VN	TN	3.85	0.002249	± 2.5	PASS
		VH	TN	1.10	0.000636	± 2.5	PASS
	MCH	VL	TN	1.10	0.000636	± 2.5	PASS
		VN	TN	1.10	0.000636	± 2.5	PASS
		VH	TN	-0.34	-0.000196	± 2.5	PASS
	HCH	VL	TN	-0.34	-0.000196	± 2.5	PASS
		VN	TN	-0.34	-0.000196	± 2.5	PASS
		VH	TN	1.93	0.001129	± 2.5	PASS
16QAM	LCH	VL	TN	1.93	0.001129	± 2.5	PASS
		VN	TN	1.93	0.001129	± 2.5	PASS
		VH	TN	1.93	0.001129	± 2.5	PASS
	MCH	VL	TN	1.93	0.001129	± 2.5	PASS
		VN	TN	2.00	0.001156	± 2.5	PASS
		VH	TN	2.00	0.001156	± 2.5	PASS
	HCH	VL	TN	2.00	0.001156	± 2.5	PASS
		VN	TN	-2.33	-0.001329	± 2.5	PASS
		VH	TN	-2.33	-0.001329	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	5.34	0.003119	± 2.5	PASS
		VN	-20	5.34	0.003119	± 2.5	PASS
		VN	-10	3.75	0.002191	± 2.5	PASS
		VN	0	3.75	0.002191	± 2.5	PASS
		VN	10	3.75	0.002191	± 2.5	PASS
		VN	20	3.75	0.002191	± 2.5	PASS
		VN	30	4.85	0.002835	± 2.5	PASS
		VN	40	5.34	0.003119	± 2.5	PASS
		VN	50	1.93	0.001129	± 2.5	PASS
	MCH	VN	-30	1.93	0.001129	± 2.5	PASS
		VN	-20	1.93	0.001129	± 2.5	PASS
		VN	-10	1.93	0.001129	± 2.5	PASS
		VN	0	1.93	0.001129	± 2.5	PASS
		VN	10	1.93	0.001129	± 2.5	PASS
		VN	20	4.31	0.002485	± 2.5	PASS
VN	30	2.05	0.001181	± 2.5	PASS		

		VN	40	0.30	0.000173	± 2.5	PASS
		VN	50	2.85	0.001643	± 2.5	PASS
	HCH	VN	-30	2.85	0.001643	± 2.5	PASS
		VN	-20	2.85	0.001643	± 2.5	PASS
		VN	-10	2.85	0.001643	± 2.5	PASS
		VN	0	2.85	0.001643	± 2.5	PASS
		VN	10	0.64	0.000367	± 2.5	PASS
		VN	20	0.64	0.000367	± 2.5	PASS
		VN	30	-0.14	-0.000082	± 2.5	PASS
		VN	40	1.04	0.000595	± 2.5	PASS
		VN	50	-1.29	-0.000734	± 2.5	PASS
16QAM	LCH	VN	-30	-1.29	-0.000734	± 2.5	PASS
		VN	-20	-1.29	-0.000734	± 2.5	PASS
		VN	-10	-1.29	-0.000734	± 2.5	PASS
		VN	0	-1.29	-0.000734	± 2.5	PASS
		VN	10	3.48	0.002032	± 2.5	PASS
		VN	20	4.43	0.002592	± 2.5	PASS
		VN	30	3.48	0.002032	± 2.5	PASS
		VN	40	3.12	0.001823	± 2.5	PASS
		VN	50	1.39	0.000811	± 2.5	PASS
	MCH	VN	-30	1.39	0.000811	± 2.5	PASS
		VN	-20	1.39	0.000811	± 2.5	PASS
		VN	-10	1.39	0.000811	± 2.5	PASS
		VN	0	1.39	0.000811	± 2.5	PASS
		VN	10	1.39	0.000811	± 2.5	PASS
		VN	20	1.39	0.000801	± 2.5	PASS
		VN	30	1.66	0.000958	± 2.5	PASS
		VN	40	1.04	0.000603	± 2.5	PASS
		VN	50	1.43	0.000826	± 2.5	PASS
	HCH	VN	-30	1.43	0.000826	± 2.5	PASS
		VN	-20	1.43	0.000826	± 2.5	PASS
		VN	-10	1.43	0.000826	± 2.5	PASS
		VN	0	1.43	0.000826	± 2.5	PASS
		VN	10	1.43	0.000826	± 2.5	PASS
		VN	20	0.36	0.000204	± 2.5	PASS
		VN	30	-0.30	-0.000171	± 2.5	PASS
		VN	40	-2.57	-0.001468	± 2.5	PASS
		VN	50	-0.33	-0.000188	± 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	5.32	0.003109	± 2.5	PASS
		VN	TN	5.32	0.003109	± 2.5	PASS
		VH	TN	5.32	0.003109	± 2.5	PASS
	MCH	VL	TN	5.32	0.003109	± 2.5	PASS

		VN	TN	1.23	0.000710	± 2.5	PASS
		VH	TN	1.23	0.000710	± 2.5	PASS
	HCH	VL	TN	1.23	0.000710	± 2.5	PASS
		VN	TN	0.19	0.000106	± 2.5	PASS
		VH	TN	0.19	0.000106	± 2.5	PASS
16QAM	LCH	VL	TN	0.19	0.000106	± 2.5	PASS
		VN	TN	0.87	0.000510	± 2.5	PASS
		VH	TN	0.87	0.000510	± 2.5	PASS
	MCH	VL	TN	0.87	0.000510	± 2.5	PASS
		VN	TN	2.49	0.001437	± 2.5	PASS
		VH	TN	2.49	0.001437	± 2.5	PASS
	HCH	VL	TN	2.49	0.001437	± 2.5	PASS
		VN	TN	-2.86	-0.001632	± 2.5	PASS
		VH	TN	-2.86	-0.001632	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	-2.86	-0.001632	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-2.86	-0.001632	± 2.5	PASS
		VN	-20	-2.86	-0.001632	± 2.5	PASS
		VN	-10	-2.86	-0.001632	± 2.5	PASS
		VN	0	4.12	0.002407	± 2.5	PASS
		VN	10	4.12	0.002407	± 2.5	PASS
		VN	20	4.12	0.002407	± 2.5	PASS
		VN	30	3.86	0.002257	± 2.5	PASS
		VN	40	3.46	0.002023	± 2.5	PASS
		VN	50	0.94	0.000552	± 2.5	PASS
	MCH	VN	-30	0.94	0.000552	± 2.5	PASS
		VN	-20	0.94	0.000552	± 2.5	PASS
		VN	-10	0.94	0.000552	± 2.5	PASS
		VN	0	4.02	0.002320	± 2.5	PASS
		VN	10	4.02	0.002320	± 2.5	PASS
		VN	20	4.02	0.002320	± 2.5	PASS
		VN	30	2.75	0.001585	± 2.5	PASS
		VN	40	0.72	0.000413	± 2.5	PASS
		VN	50	3.10	0.001792	± 2.5	PASS
	HCH	VN	-30	3.10	0.001792	± 2.5	PASS
		VN	-20	3.10	0.001792	± 2.5	PASS
		VN	-10	3.10	0.001792	± 2.5	PASS
		VN	0	-1.54	-0.000881	± 2.5	PASS
		VN	10	-1.54	-0.000881	± 2.5	PASS
		VN	20	-1.54	-0.000881	± 2.5	PASS
		VN	30	0.27	0.000155	± 2.5	PASS
		VN	40	-2.10	-0.001199	± 2.5	PASS
		VN	50	-0.64	-0.000367	± 2.5	PASS
QPSK	LCH	VN	-30	-0.64	-0.000367	± 2.5	PASS
		VN	-20	-0.64	-0.000367	± 2.5	PASS
		VN	-10	-0.64	-0.000367	± 2.5	PASS
		VN	0	-0.64	-0.000367	± 2.5	PASS
		VN	10	2.37	0.001387	± 2.5	PASS
		VN	20	2.37	0.001387	± 2.5	PASS



		VN	30	1.29	0.000752	± 2.5	PASS
		VN	40	0.74	0.000435	± 2.5	PASS
		VN	50	3.69	0.002156	± 2.5	PASS
	MCH	VN	-30	3.69	0.002156	± 2.5	PASS
		VN	-20	3.69	0.002156	± 2.5	PASS
		VN	-10	3.69	0.002156	± 2.5	PASS
		VN	0	3.69	0.002156	± 2.5	PASS
		VN	10	2.79	0.001610	± 2.5	PASS
		VN	20	2.79	0.001610	± 2.5	PASS
		VN	30	2.35	0.001354	± 2.5	PASS
		VN	40	0.46	0.000264	± 2.5	PASS
		VN	50	2.05	0.001181	± 2.5	PASS
	HCH	VN	-30	2.05	0.001181	± 2.5	PASS
		VN	-20	2.05	0.001181	± 2.5	PASS
		VN	-10	2.05	0.001181	± 2.5	PASS
		VN	0	2.05	0.001181	± 2.5	PASS
		VN	10	-0.49	-0.000277	± 2.5	PASS
		VN	20	-0.49	-0.000277	± 2.5	PASS
		VN	30	-1.03	-0.000587	± 2.5	PASS
		VN	40	-2.47	-0.001411	± 2.5	PASS
		VN	50	0.09	0.000049	± 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	4.05	0.002364	± 2.5	PASS
		VN	TN	4.05	0.002364	± 2.5	PASS
		VH	TN	4.05	0.002364	± 2.5	PASS
	MCH	VL	TN	4.05	0.002364	± 2.5	PASS
		VN	TN	1.14	0.000661	± 2.5	PASS
		VH	TN	1.14	0.000661	± 2.5	PASS
	HCH	VL	TN	1.14	0.000661	± 2.5	PASS
		VN	TN	0.44	0.000253	± 2.5	PASS
		VH	TN	0.44	0.000253	± 2.5	PASS
16QAM	LCH	VL	TN	0.44	0.000253	± 2.5	PASS
		VN	TN	2.46	0.001437	± 2.5	PASS
		VH	TN	2.46	0.001437	± 2.5	PASS
	MCH	VL	TN	2.46	0.001437	± 2.5	PASS
		VN	TN	1.72	0.000991	± 2.5	PASS
		VH	TN	1.72	0.000991	± 2.5	PASS
	HCH	VL	TN	1.72	0.000991	± 2.5	PASS
		VN	TN	2.07	0.001184	± 2.5	PASS
		VH	TN	2.07	0.001184	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict

QPSK	LCH	VN	-30	3.08	0.001796	± 2.5	PASS
		VN	-20	3.08	0.001796	± 2.5	PASS
		VN	-10	3.08	0.001796	± 2.5	PASS
		VN	0	3.08	0.001796	± 2.5	PASS
		VN	10	4.79	0.002798	± 2.5	PASS
		VN	20	3.08	0.001796	± 2.5	PASS
		VN	30	4.79	0.002798	± 2.5	PASS
		VN	40	3.99	0.002331	± 2.5	PASS
		VN	50	5.06	0.002957	± 2.5	PASS
	MCH	VN	-30	5.06	0.002957	± 2.5	PASS
		VN	-20	5.06	0.002957	± 2.5	PASS
		VN	-10	5.06	0.002957	± 2.5	PASS
		VN	0	0.49	0.000281	± 2.5	PASS
		VN	10	0.49	0.000281	± 2.5	PASS
		VN	20	0.49	0.000281	± 2.5	PASS
		VN	30	1.16	0.000669	± 2.5	PASS
		VN	40	0.99	0.000570	± 2.5	PASS
		VN	50	3.59	0.002072	± 2.5	PASS
	HCH	VN	-30	3.59	0.002072	± 2.5	PASS
		VN	-20	3.59	0.002072	± 2.5	PASS
		VN	-10	3.59	0.002072	± 2.5	PASS
		VN	0	3.59	0.002072	± 2.5	PASS
		VN	10	3.59	0.002072	± 2.5	PASS
		VN	20	-0.86	-0.000490	± 2.5	PASS
		VN	30	-1.76	-0.001004	± 2.5	PASS
		VN	40	-1.00	-0.000571	± 2.5	PASS
		VN	50	-1.33	-0.000759	± 2.5	PASS
16QAM	LCH	VN	-30	-1.33	-0.000759	± 2.5	PASS
		VN	-20	-1.33	-0.000759	± 2.5	PASS
		VN	-10	-1.33	-0.000759	± 2.5	PASS
		VN	0	-1.33	-0.000759	± 2.5	PASS
		VN	10	3.81	0.002222	± 2.5	PASS
		VN	20	3.81	0.002222	± 2.5	PASS
		VN	30	4.32	0.002523	± 2.5	PASS
		VN	40	4.52	0.002640	± 2.5	PASS
		VN	50	3.49	0.002038	± 2.5	PASS
	MCH	VN	-30	3.49	0.002038	± 2.5	PASS
		VN	-20	3.49	0.002038	± 2.5	PASS
		VN	-10	3.49	0.002038	± 2.5	PASS
		VN	0	3.49	0.002038	± 2.5	PASS
		VN	10	3.49	0.002038	± 2.5	PASS
		VN	20	1.40	0.000809	± 2.5	PASS
		VN	30	-1.92	-0.001106	± 2.5	PASS
		VN	40	0.59	0.000339	± 2.5	PASS
		VN	50	0.39	0.000223	± 2.5	PASS
	HCH	VN	-30	0.39	0.000223	± 2.5	PASS
		VN	-20	0.39	0.000223	± 2.5	PASS
		VN	-10	0.39	0.000223	± 2.5	PASS
		VN	0	0.39	0.000223	± 2.5	PASS
		VN	10	-0.73	-0.000416	± 2.5	PASS

		VN	20	-0.73	-0.000416	± 2.5	PASS
		VN	30	0.82	0.000465	± 2.5	PASS
		VN	40	-0.34	-0.000196	± 2.5	PASS
		VN	50	-0.70	-0.000400	± 2.5	PASS

### 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	-0.44	-0.000259	± 2.5	PASS
		VN	TN	-0.44	-0.000259	± 2.5	PASS
		VH	TN	-0.44	-0.000259	± 2.5	PASS
	MCH	VL	TN	2.35	0.001354	± 2.5	PASS
		VN	TN	2.35	0.001354	± 2.5	PASS
		VH	TN	1.75	0.000997	± 2.5	PASS
	HCH	VL	TN	1.75	0.000997	± 2.5	PASS
		VN	TN	1.75	0.000997	± 2.5	PASS
		VH	TN	1.75	0.000997	± 2.5	PASS
16QAM	LCH	VL	TN	1.75	0.000997	± 2.5	PASS
		VN	TN	0.51	0.000300	± 2.5	PASS
		VH	TN	0.51	0.000300	± 2.5	PASS
	MCH	VL	TN	0.51	0.000300	± 2.5	PASS
		VN	TN	1.59	0.000917	± 2.5	PASS
		VH	TN	1.59	0.000917	± 2.5	PASS
	HCH	VL	TN	1.59	0.000917	± 2.5	PASS
		VN	TN	1.79	0.001022	± 2.5	PASS
		VH	TN	1.79	0.001022	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	0.79	0.000459	± 2.5	PASS
		VN	-20	-0.94	-0.000551	± 2.5	PASS
		VN	-10	0.79	0.000459	± 2.5	PASS
		VN	0	-0.94	-0.000551	± 2.5	PASS
		VN	10	0.79	0.000459	± 2.5	PASS
		VN	20	0.79	0.000459	± 2.5	PASS
		VN	30	-0.94	-0.000551	± 2.5	PASS
		VN	40	-0.39	-0.000225	± 2.5	PASS
		VN	50	0.44	0.000259	± 2.5	PASS
	MCH	VN	-30	0.44	0.000259	± 2.5	PASS
		VN	-20	0.44	0.000259	± 2.5	PASS
		VN	-10	0.44	0.000259	± 2.5	PASS
		VN	0	1.73	0.000999	± 2.5	PASS
		VN	10	1.73	0.000999	± 2.5	PASS
		VN	20	1.73	0.000999	± 2.5	PASS
VN		30	1.36	0.000784	± 2.5	PASS	
VN	40	1.89	0.001090	± 2.5	PASS		

	HCH	VN	50	2.49	0.001437	± 2.5	PASS
		VN	-30	2.49	0.001437	± 2.5	PASS
		VN	-20	2.49	0.001437	± 2.5	PASS
		VN	-10	2.49	0.001437	± 2.5	PASS
		VN	0	2.49	0.001437	± 2.5	PASS
		VN	10	0.74	0.000425	± 2.5	PASS
		VN	20	0.74	0.000425	± 2.5	PASS
		VN	30	1.97	0.001128	± 2.5	PASS
		VN	40	0.84	0.000482	± 2.5	PASS
		VN	50	0.84	0.000482	± 2.5	PASS
QPSK	LCH	VN	-30	0.84	0.000482	± 2.5	PASS
		VN	-20	0.84	0.000482	± 2.5	PASS
		VN	-10	0.84	0.000482	± 2.5	PASS
		VN	0	0.84	0.000482	± 2.5	PASS
		VN	10	0.84	0.000482	± 2.5	PASS
		VN	20	-0.39	-0.000225	± 2.5	PASS
		VN	30	-0.50	-0.000292	± 2.5	PASS
		VN	40	-2.40	-0.001401	± 2.5	PASS
		VN	50	-0.04	-0.000025	± 2.5	PASS
	MCH	VN	-30	-0.04	-0.000025	± 2.5	PASS
		VN	-20	-0.04	-0.000025	± 2.5	PASS
		VN	-10	-0.04	-0.000025	± 2.5	PASS
		VN	0	1.85	0.001065	± 2.5	PASS
		VN	10	1.85	0.001065	± 2.5	PASS
		VN	20	1.85	0.001065	± 2.5	PASS
		VN	30	3.35	0.001932	± 2.5	PASS
		VN	40	1.57	0.000908	± 2.5	PASS
		VN	50	1.44	0.000834	± 2.5	PASS
	HCH	VN	-30	1.44	0.000834	± 2.5	PASS
		VN	-20	1.44	0.000834	± 2.5	PASS
		VN	-10	1.44	0.000834	± 2.5	PASS
		VN	0	1.44	0.000834	± 2.5	PASS
		VN	10	0.77	0.000441	± 2.5	PASS
		VN	20	0.77	0.000441	± 2.5	PASS
		VN	30	0.50	0.000286	± 2.5	PASS
		VN	40	1.19	0.000678	± 2.5	PASS
		VN	50	2.36	0.001349	± 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	0.33	0.000192	± 2.5	PASS
		VN	TN	0.33	0.000192	± 2.5	PASS
		VH	TN	0.33	0.000192	± 2.5	PASS
	MCH	VL	TN	0.33	0.000192	± 2.5	PASS
		VN	TN	1.10	0.000636	± 2.5	PASS

		VH	TN	1.62	0.000925	± 2.5	PASS
	HCH	VL	TN	1.62	0.000925	± 2.5	PASS
		VN	TN	1.62	0.000925	± 2.5	PASS
		VH	TN	0.72	0.000416	± 2.5	PASS
16QAM	LCH	VL	TN	0.72	0.000416	± 2.5	PASS
		VN	TN	0.72	0.000416	± 2.5	PASS
		VH	TN	0.83	0.000479	± 2.5	PASS
	MCH	VL	TN	0.83	0.000479	± 2.5	PASS
		VN	TN	0.83	0.000479	± 2.5	PASS
		VH	TN	0.97	0.000557	± 2.5	PASS
	HCH	VL	TN	0.97	0.000557	± 2.5	PASS
		VN	TN	0.97	0.000557	± 2.5	PASS
		VH	TN	0.97	0.000557	± 2.5	PASS
	Temperature						
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.10	0.000641	± 2.5	PASS
		VN	-20	1.10	0.000641	± 2.5	PASS
		VN	-10	1.10	0.000641	± 2.5	PASS
		VN	0	0.33	0.000192	± 2.5	PASS
		VN	10	0.33	0.000192	± 2.5	PASS
		VN	20	1.10	0.000641	± 2.5	PASS
		VN	30	0.33	0.000192	± 2.5	PASS
		VN	40	0.34	0.000200	± 2.5	PASS
		VN	50	0.90	0.000525	± 2.5	PASS
	MCH	VN	-30	0.90	0.000525	± 2.5	PASS
		VN	-20	0.90	0.000525	± 2.5	PASS
		VN	-10	0.90	0.000525	± 2.5	PASS
		VN	0	0.90	0.000525	± 2.5	PASS
		VN	10	0.60	0.000347	± 2.5	PASS
		VN	20	1.43	0.000826	± 2.5	PASS
		VN	30	0.60	0.000347	± 2.5	PASS
		VN	40	1.52	0.000875	± 2.5	PASS
		VN	50	1.33	0.000768	± 2.5	PASS
	HCH	VN	-30	1.33	0.000768	± 2.5	PASS
		VN	-20	1.33	0.000768	± 2.5	PASS
		VN	-10	1.33	0.000768	± 2.5	PASS
		VN	0	1.40	0.000802	± 2.5	PASS
		VN	10	1.40	0.000802	± 2.5	PASS
		VN	20	1.40	0.000802	± 2.5	PASS
		VN	30	0.62	0.000352	± 2.5	PASS
		VN	40	0.82	0.000467	± 2.5	PASS
		VN	50	0.60	0.000344	± 2.5	PASS
QPSK	LCH	VN	-30	0.60	0.000344	± 2.5	PASS
		VN	-20	0.60	0.000344	± 2.5	PASS
		VN	-10	0.60	0.000344	± 2.5	PASS
		VN	0	0.60	0.000344	± 2.5	PASS
		VN	10	0.86	0.000500	± 2.5	PASS
		VN	20	0.86	0.000500	± 2.5	PASS
		VN	30	0.96	0.000558	± 2.5	PASS
		VN	30	0.96	0.000558	± 2.5	PASS



		VN	40	0.40	0.000233	± 2.5	PASS
		VN	50	0.54	0.000317	± 2.5	PASS
	MCH	VN	-30	0.54	0.000317	± 2.5	PASS
		VN	-20	0.54	0.000317	± 2.5	PASS
		VN	-10	0.54	0.000317	± 2.5	PASS
		VN	0	0.21	0.000124	± 2.5	PASS
		VN	10	0.21	0.000124	± 2.5	PASS
		VN	20	0.21	0.000124	± 2.5	PASS
		VN	30	1.69	0.000974	± 2.5	PASS
		VN	40	2.02	0.001164	± 2.5	PASS
		VN	50	1.75	0.001007	± 2.5	PASS
	HCH	VN	-30	1.75	0.001007	± 2.5	PASS
		VN	-20	1.75	0.001007	± 2.5	PASS
		VN	-10	1.75	0.001007	± 2.5	PASS
		VN	0	0.66	0.000377	± 2.5	PASS
		VN	10	0.66	0.000377	± 2.5	PASS
		VN	20	0.66	0.000377	± 2.5	PASS
		VN	30	1.00	0.000573	± 2.5	PASS
		VN	40	0.53	0.000303	± 2.5	PASS
		VN	50	0.94	0.000540	± 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	2.12	0.001231	± 2.5	PASS
		VN	TN	2.12	0.001231	± 2.5	PASS
		VH	TN	2.12	0.001231	± 2.5	PASS
	MCH	VL	TN	2.12	0.001231	± 2.5	PASS
		VN	TN	1.59	0.000917	± 2.5	PASS
		VH	TN	1.59	0.000917	± 2.5	PASS
	HCH	VL	TN	1.59	0.000917	± 2.5	PASS
		VN	TN	1.12	0.000639	± 2.5	PASS
		VH	TN	1.12	0.000639	± 2.5	PASS
16QAM	LCH	VL	TN	1.12	0.000639	± 2.5	PASS
		VN	TN	1.89	0.001098	± 2.5	PASS
		VH	TN	1.89	0.001098	± 2.5	PASS
	MCH	VL	TN	1.89	0.001098	± 2.5	PASS
		VN	TN	1.97	0.001139	± 2.5	PASS
		VH	TN	1.97	0.001139	± 2.5	PASS
	HCH	VL	TN	1.97	0.001139	± 2.5	PASS
		VN	TN	1.97	0.001139	± 2.5	PASS
		VH	TN	1.97	0.001139	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.00	0.001747	± 2.5	PASS

		VN	-20	3.00	0.001747	± 2.5	PASS
		VN	-10	3.00	0.001747	± 2.5	PASS
		VN	0	3.00	0.001747	± 2.5	PASS
		VN	10	2.70	0.001572	± 2.5	PASS
		VN	20	3.00	0.001747	± 2.5	PASS
		VN	30	2.39	0.001389	± 2.5	PASS
		VN	40	2.70	0.001572	± 2.5	PASS
		VN	50	3.09	0.001796	± 2.5	PASS
	MCH	VN	-30	3.09	0.001796	± 2.5	PASS
		VN	-20	3.09	0.001796	± 2.5	PASS
		VN	-10	3.09	0.001796	± 2.5	PASS
		VN	0	3.09	0.001796	± 2.5	PASS
		VN	10	1.04	0.000603	± 2.5	PASS
		VN	20	0.84	0.000487	± 2.5	PASS
		VN	30	1.04	0.000603	± 2.5	PASS
		VN	40	1.10	0.000636	± 2.5	PASS
	HCH	VN	50	1.04	0.000603	± 2.5	PASS
		VN	-30	1.04	0.000603	± 2.5	PASS
		VN	-20	1.04	0.000603	± 2.5	PASS
		VN	-10	1.04	0.000603	± 2.5	PASS
		VN	0	1.04	0.000603	± 2.5	PASS
		VN	10	0.76	0.000434	± 2.5	PASS
		VN	20	1.60	0.000918	± 2.5	PASS
		VN	30	0.76	0.000434	± 2.5	PASS
QPSK	LCH	VN	40	2.06	0.001180	± 2.5	PASS
		VN	50	1.19	0.000680	± 2.5	PASS
		VN	-30	1.19	0.000680	± 2.5	PASS
		VN	-20	1.19	0.000680	± 2.5	PASS
		VN	-10	1.19	0.000680	± 2.5	PASS
		VN	0	1.19	0.000680	± 2.5	PASS
		VN	10	1.19	0.000680	± 2.5	PASS
		VN	20	1.73	0.001006	± 2.5	PASS
	MCH	VN	30	1.92	0.001114	± 2.5	PASS
		VN	40	2.92	0.001697	± 2.5	PASS
		VN	50	1.97	0.001148	± 2.5	PASS
		VN	-30	1.97	0.001148	± 2.5	PASS
		VN	-20	1.97	0.001148	± 2.5	PASS
		VN	-10	1.97	0.001148	± 2.5	PASS
		VN	0	1.97	0.001148	± 2.5	PASS
		VN	10	1.97	0.001148	± 2.5	PASS
	HCH	VN	20	0.73	0.000421	± 2.5	PASS
		VN	30	1.13	0.000652	± 2.5	PASS
		VN	40	1.43	0.000826	± 2.5	PASS
		VN	50	-0.16	-0.000091	± 2.5	PASS
		VN	-30	1.32	0.000754	± 2.5	PASS
		VN	-20	1.32	0.000754	± 2.5	PASS
		VN	-10	1.32	0.000754	± 2.5	PASS
		VN	0	1.32	0.000754	± 2.5	PASS
		VN	10	1.32	0.000754	± 2.5	PASS
		VN	20	1.73	0.000992	± 2.5	PASS

		VN	30	1.32	0.000754	± 2.5	PASS
		VN	40	2.06	0.001180	± 2.5	PASS
		VN	50	1.39	0.000795	± 2.5	PASS